

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059998.D
 Acq On : 13 Sep 2018 15:31
 Operator : JC/SY
 Sample : VSTDCC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Manual Integrations
 APPROVED

apatel
 9/14/2018 10:58:00 AM

Quant Time: Sep 13 15:53:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1634245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2236092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1805408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	915420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	1669673	123.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	246.88%	
35) Dibromofluoromethane	6.31	113	2455617	140.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.40%	
50) Toluene-d8	9.45	98	6725689	139.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.40%	
62) 4-Bromofluorobenzene	12.42	95	2318064	118.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	237.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	2404000m	157.07	ug/l	
3) Chloromethane	1.74	50	2287633	168.87	ug/l	98
4) Vinyl Chloride	1.83	62	1799334	168.52	ug/l	99
5) Bromomethane	2.12	94	155400	83.21	ug/l	90
6) Chloroethane	2.20	64	138946	42.34	ug/l	100
7) Trichlorofluoromethane	2.47	101	1776556	142.48	ug/l	97
8) Diethyl Ether	2.80	74	391528	142.57	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.06	101	1141757	149.03	ug/l	99
10) Methyl Iodide	3.22	142	1482656	209.32	ug/l	97
11) Tert butyl alcohol	3.98	59	669143	645.59	ug/l	99
12) 1,1-Dichloroethene	3.04	96	896978	150.48	ug/l	93
13) Acrolein	2.96	56	390123	830.38	ug/l	99
14) Allyl chloride	3.50	41	1941278	146.30	ug/l	100
15) Acrylonitrile	4.06	53	2449293	625.07	ug/l	99
16) Acetone	3.15	43	1400038	565.52	ug/l	99
17) Carbon Disulfide	3.29	76	3258274	172.78	ug/l	98
18) Methyl Acetate	3.53	43	617605	118.86	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	4079119	126.92	ug/l	100
20) Methylene Chloride	3.69	84	2303151	114.03	ug/l	99
21) trans-1,2-Dichloroethene	4.06	96	2377681	146.10	ug/l	97
22) Diisopropyl ether	4.83	45	8283232	124.93	ug/l	98
23) Vinyl Acetate	4.78	43	22089577	596.64	ug/l	99
24) 1,1-Dichloroethane	4.73	63	3943383	136.53	ug/l	100
25) 2-Butanone	5.61	43	3795573	530.90	ug/l	98
26) 2,2-Dichloropropane	5.56	77	2822546	117.67	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	2459202	139.61	ug/l	98
28) Bromochloromethane	5.90	49	1866071	137.46	ug/l	98
29) Tetrahydrofuran	5.93	42	2217833	627.70	ug/l	99
30) Chloroform	6.08	83	4002245	136.12	ug/l	99
31) Cyclohexane	6.35	56	3562553	132.09	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	3327627	133.68	ug/l	99
36) 1,1-Dichloropropene	6.50	75	2800941	135.02	ug/l	98
37) Ethyl Acetate	5.68	43	2009913	128.06	ug/l	97
38) Carbon Tetrachloride	6.47	117	2725046	130.93	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	3371496	149.06	ug/l	98
40) Benzene	6.78	78	7204485	133.32	ug/l	100
41) Methacrylonitrile	5.91	41	926955m	116.31	ug/l	
42) 1,2-Dichloroethane	6.88	62	2304949	135.77	ug/l	99
43) Isopropyl Acetate	8.33	43	2752890	133.92	ug/l #	98
44) Trichloroethene	7.72	130	2431162	151.78	ug/l	98
45) 1,2-Dichloropropane	8.09	63	2093163	140.23	ug/l	99
46) Dibromomethane	8.21	93	1348238	140.33	ug/l	91
47) Bromodichloromethane	8.48	83	2891949	134.14	ug/l	98
48) Methyl methacrylate	8.24	41	1509954	126.21	ug/l	95
49) 1,4-Dioxane	8.23	88	296097	2731.57	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	7623645	520.18	ug/l	96
52) Toluene	9.55	92	4707532	136.15	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	2676155	134.57	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	3250100	139.20	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	1635277	131.20	ug/l	98
56) Ethyl methacrylate	10.03	69	1866419	130.73	ug/l	97
57) 1,3-Dichloropropane	10.37	76	2484679	137.55	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	4036407	590.19	ug/l	100
59) 2-Hexanone	10.48	43	5594539	517.63	ug/l	99
60) Dibromochloromethane	10.64	129	2117852	135.42	ug/l	99
61) 1,2-Dibromoethane	10.76	107	1796165	142.63	ug/l	98
64) Tetrachloroethene	10.24	164	2186267	150.93	ug/l	98
65) Chlorobenzene	11.31	112	5026217	136.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	1575728	118.74	ug/l	99
67) Ethyl Benzene	11.42	91	6876372	111.78	ug/l	96
68) m/p-Xylenes	11.56	106	5098974	225.46	ug/l	98
69) o-Xylene	11.93	106	2696269	122.23	ug/l	95
70) Styrene	11.96	104	4520093	119.17	ug/l	99
71) Bromoform	12.11	173	1640403	143.11	ug/l	99
73) Isopropylbenzene	12.27	105	7299039	122.58	ug/l	100
74) N-amyl acetate	12.13	43	3133439	123.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	1827880	133.56	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	1900150	133.29	ug/l	100
77) Bromobenzene	12.54	156	2249312	136.38	ug/l	98
78) n-propylbenzene	12.64	91	8910610	118.71	ug/l	97
79) 2-Chlorotoluene	12.70	91	5284120	124.65	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	5210862	110.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	624575	141.91	ug/l	99
82) 4-Chlorotoluene	12.81	91	5121531	106.56	ug/l	90
83) tert-Butylbenzene	13.05	119	6403328	119.64	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	5869978	119.95	ug/l	98
85) sec-Butylbenzene	13.22	105	7765328	123.66	ug/l	100
86) p-Isopropyltoluene	13.34	119	6014657	116.66	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	3667156	124.63	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	3581134	121.54	ug/l	98
89) n-Butylbenzene	13.64	91	4941411	95.95	ug/l	97
90) Hexachloroethane	13.86	117	1771700	129.74	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	2490182	100.41	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	275833	134.78	ug/l	90

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 15:36:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2652816	124.37	ug/l	97
94) Hexachlorobutadiene	14.88	225	1812379	129.22	ug/l	98
95) Naphthalene	14.97	128	4483770	138.17	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	2388750	130.61	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

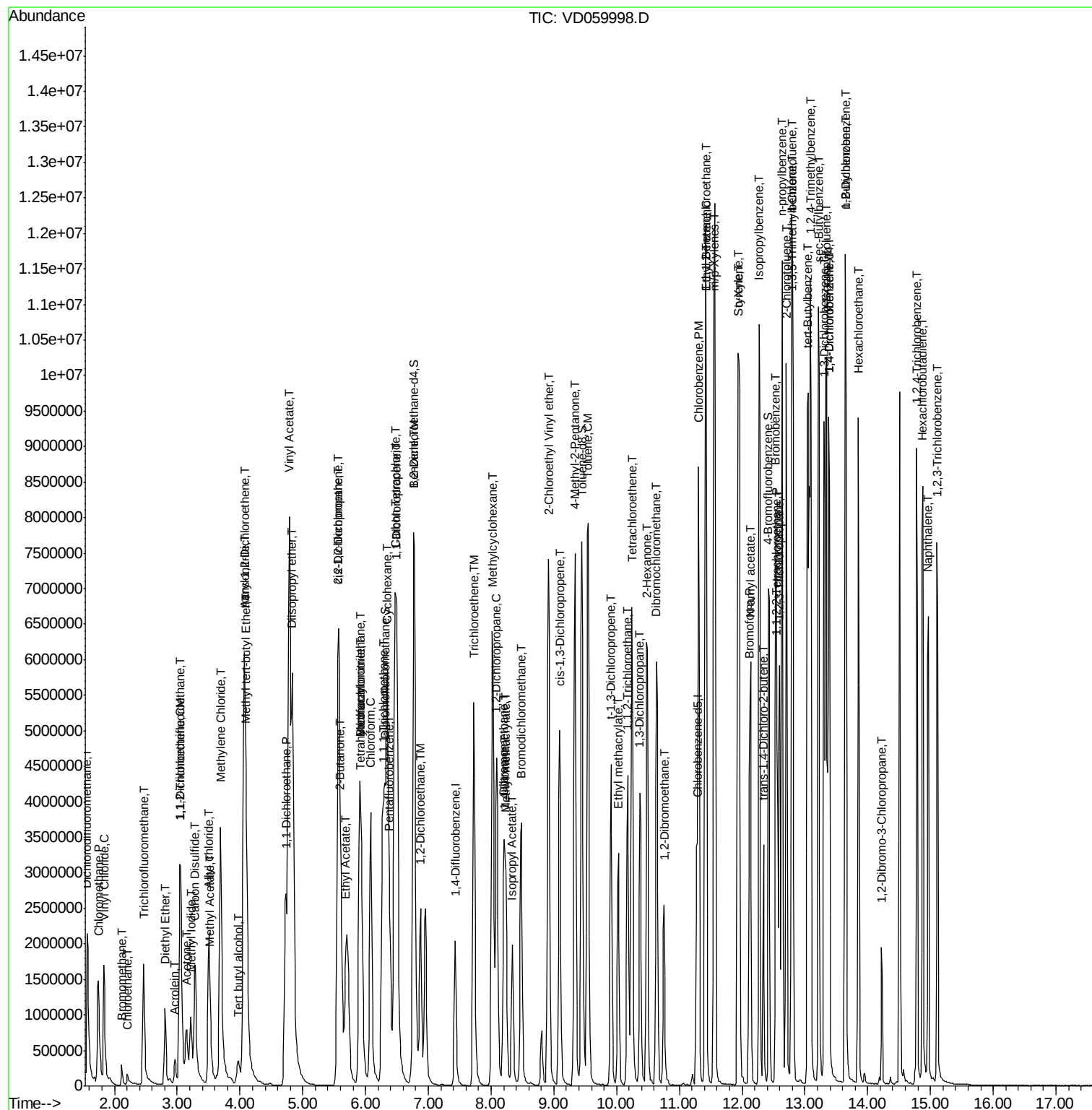
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
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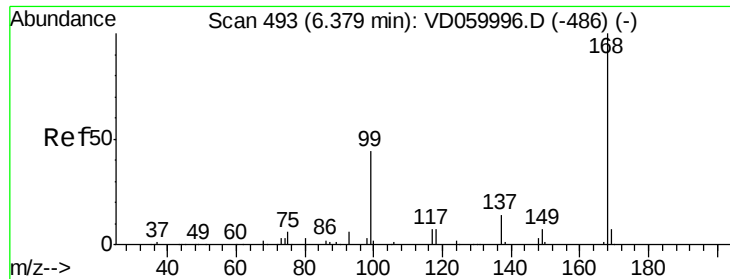
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion:168 Resp: 1634245

Ion Ratio Lower Upper

168 100

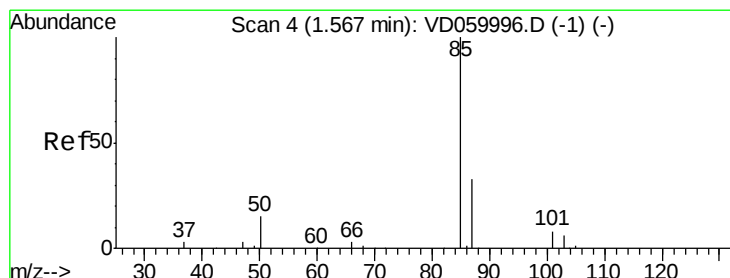
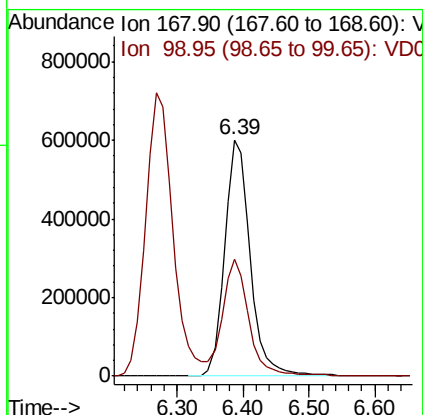
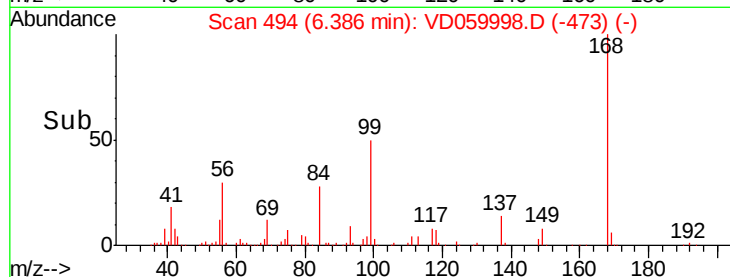
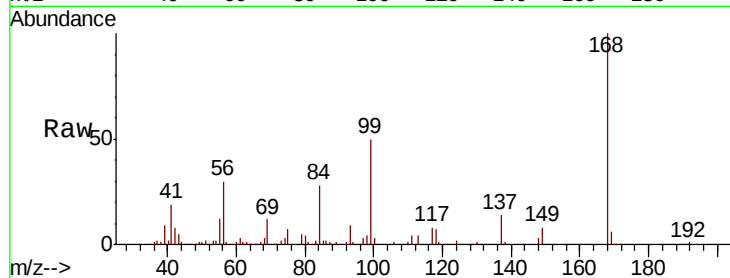
99 49.6 38.5 57.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 157.07 ug/l m

RT: 1.56 min Scan# 4

Delta R.T. -0.00 min

Lab File: VD059998.D

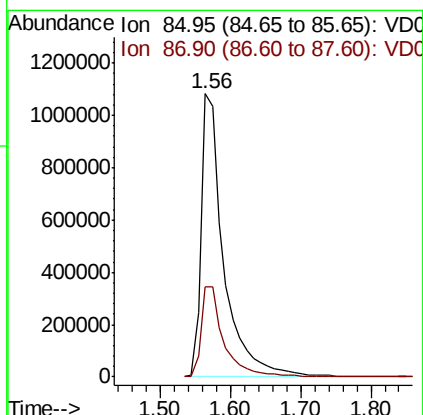
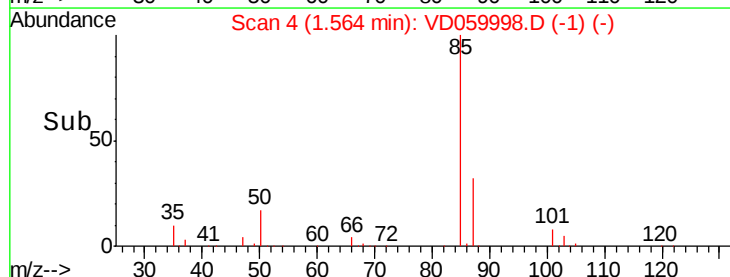
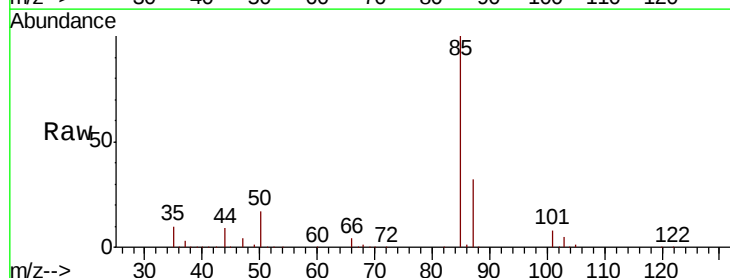
Acq: 13 Sep 2018 15:31

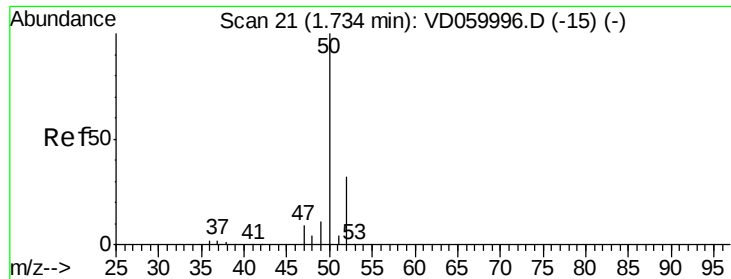
Tgt Ion: 85 Resp: 2404000

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1





#3

Chloromethane

Concen: 168.87 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 50 Resp: 2287633

Ion Ratio Lower Upper

50 100

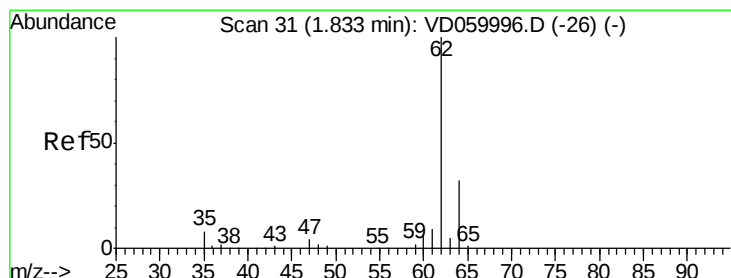
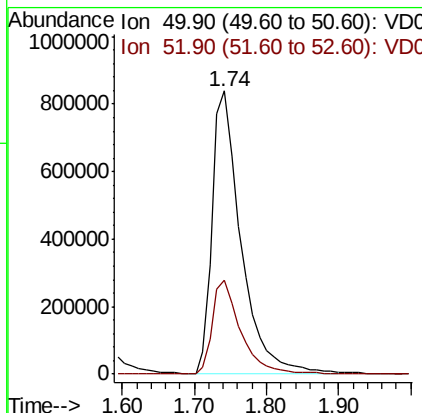
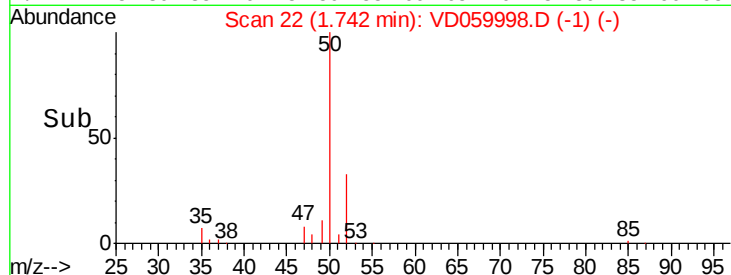
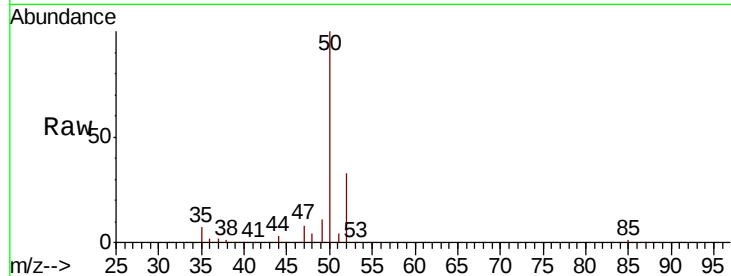
52 33.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 168.52 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD059998.D

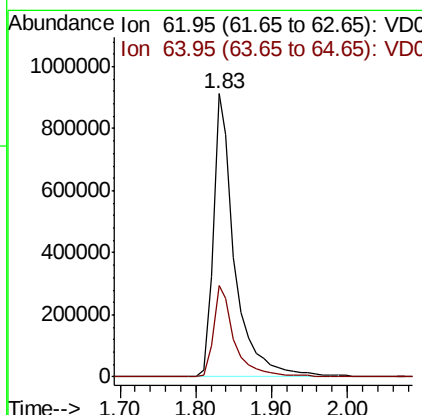
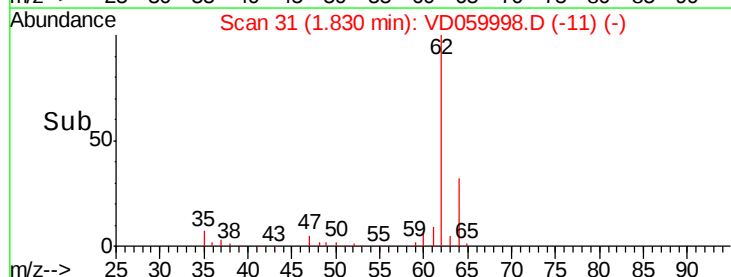
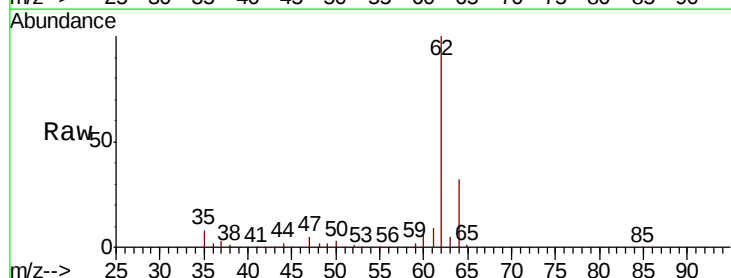
Acq: 13 Sep 2018 15:31

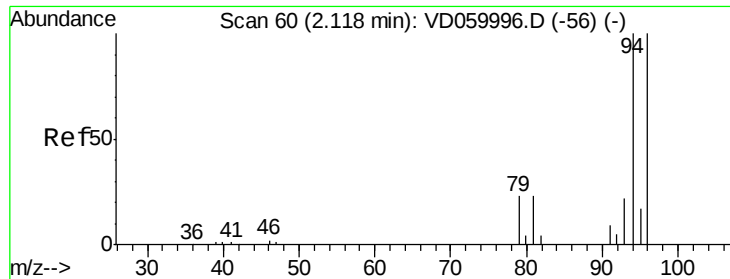
Tgt Ion: 62 Resp: 1799334

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 83.21 ug/l

RT: 2.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

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ClientSampleId :

VSTDCC150

Tot Ion: 94 Resp: 155400

Ion Ratio Lower Upper

94 100

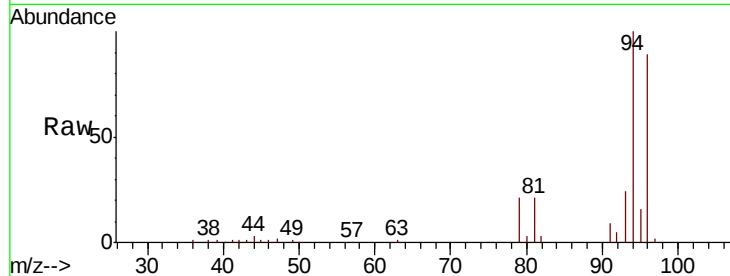
96 89.5 79.8 119.8

Manual Integrations

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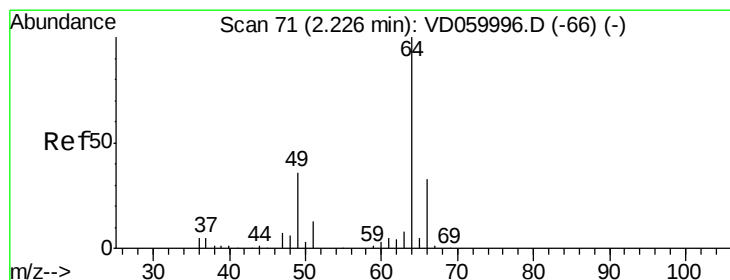
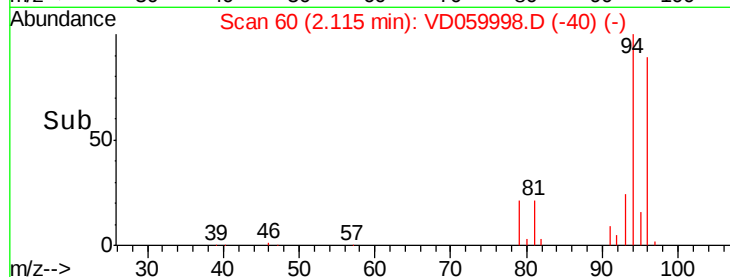
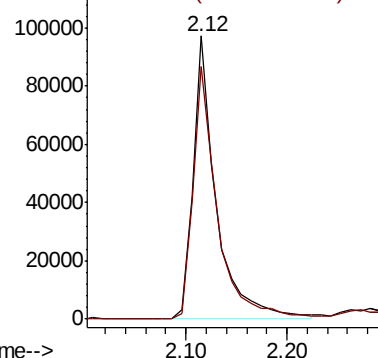
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 42.34 ug/l

RT: 2.20 min Scan# 69

Delta R.T. -0.02 min

Lab File: VD059998.D

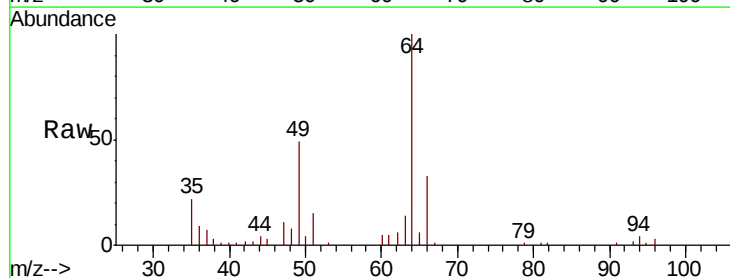
Acq: 13 Sep 2018 15:31

Tgt Ion: 64 Resp: 138946

Ion Ratio Lower Upper

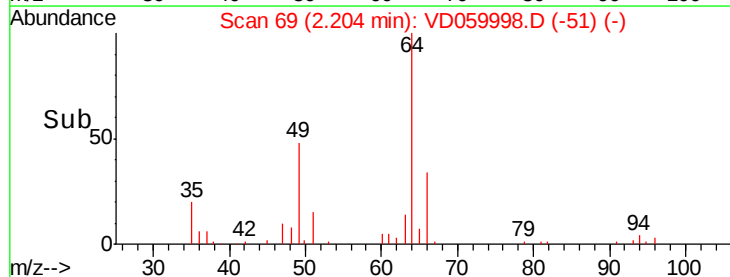
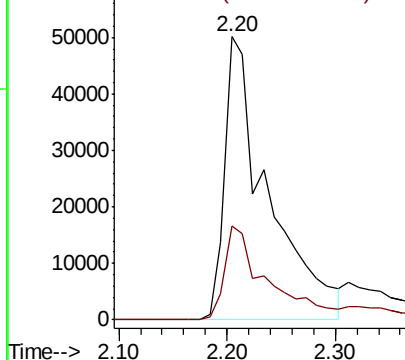
64 100

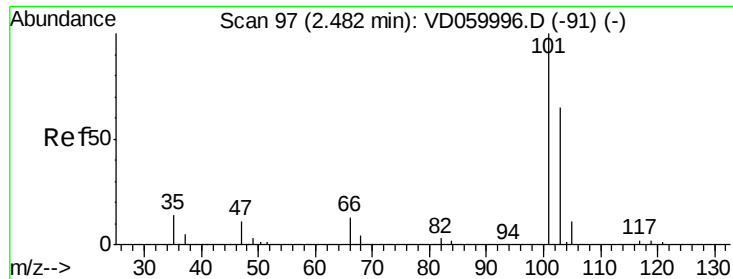
66 33.3 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

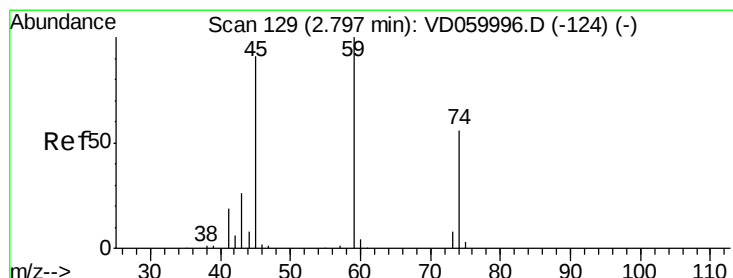
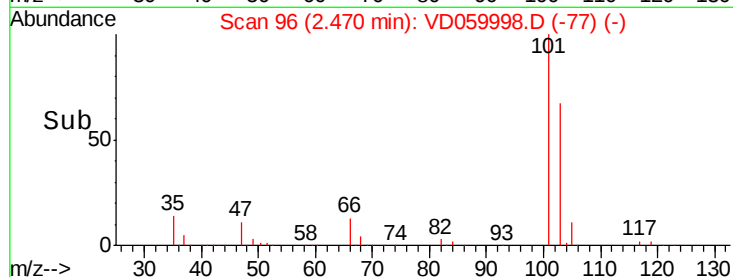
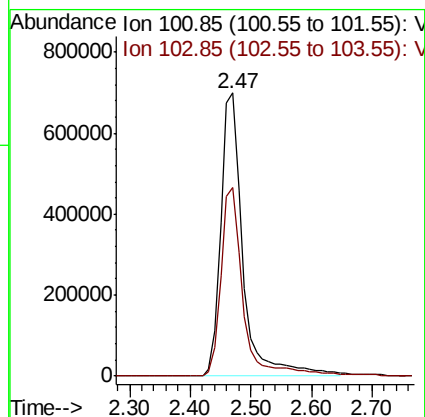
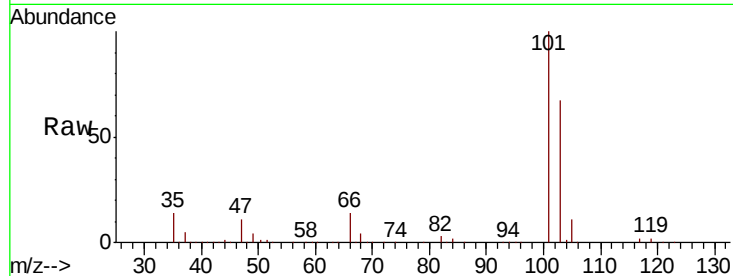
Trichlorofluoromethane
 Concen: 142.48 ug/l
 RT: 2.47 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Tot Ion:101 Resp: 1776556
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.6 77.4

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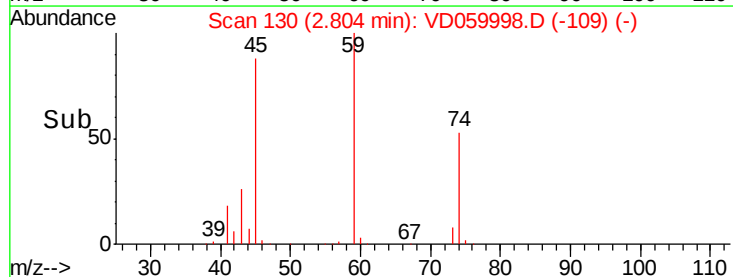
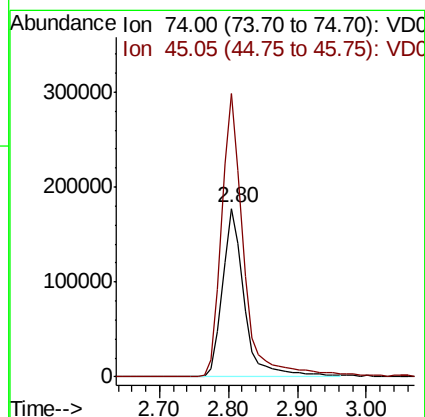
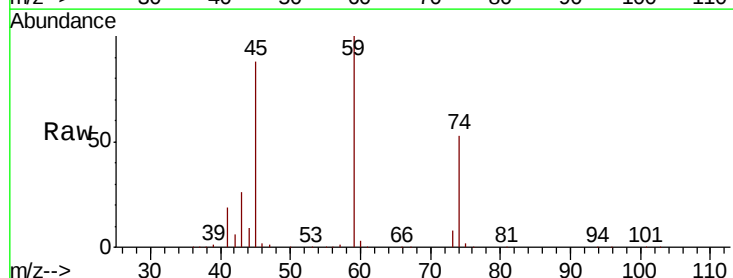
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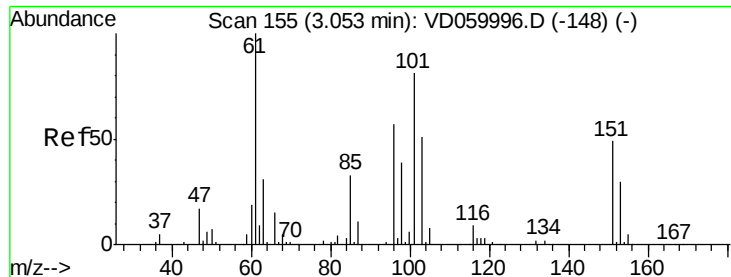


#8

Diethyl Ether
 Concen: 142.57 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 74 Resp: 391528
 Ion Ratio Lower Upper
 74 100
 45 167.9 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.03 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion:101 Resp: 1141757

Ion Ratio Lower Upper

101 100

85 41.7 33.1 49.7

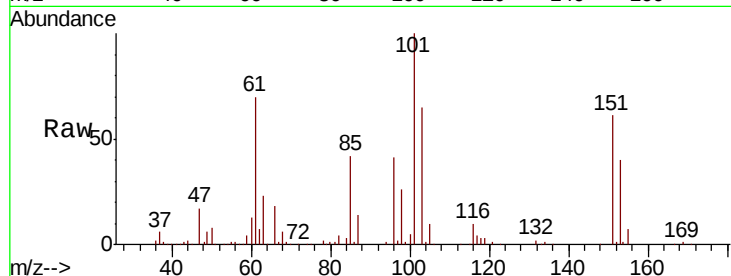
151 61.3 48.2 72.4

Manual Integrations

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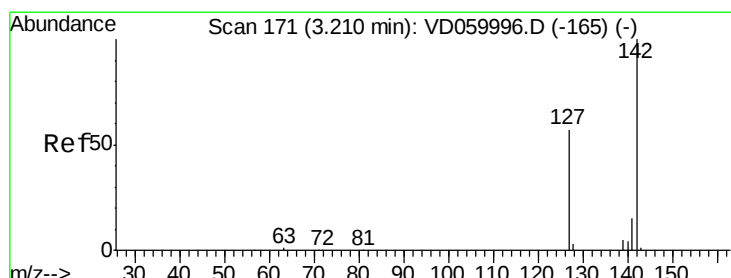
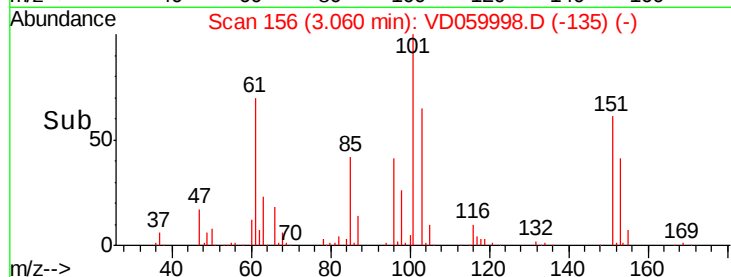
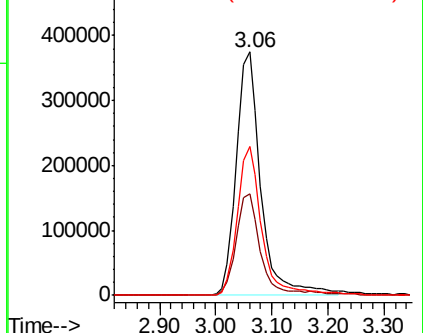
9/14/2018 10:58:00 AM



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 209.32 ug/l

RT: 3.22 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

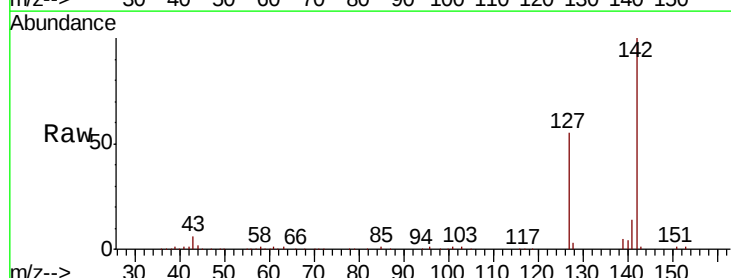
Tgt Ion:142 Resp: 1482656

Ion Ratio Lower Upper

142 100

127 55.0 45.8 68.8

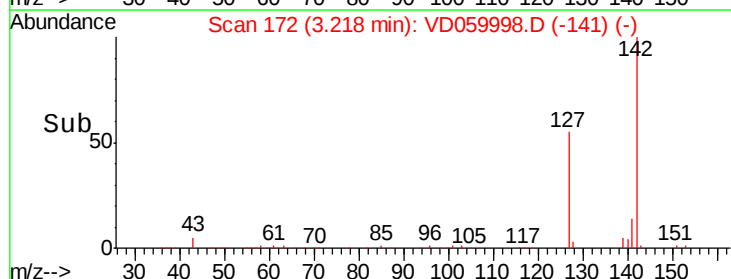
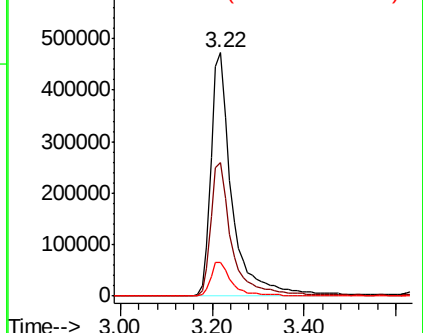
141 14.0 12.2 18.4

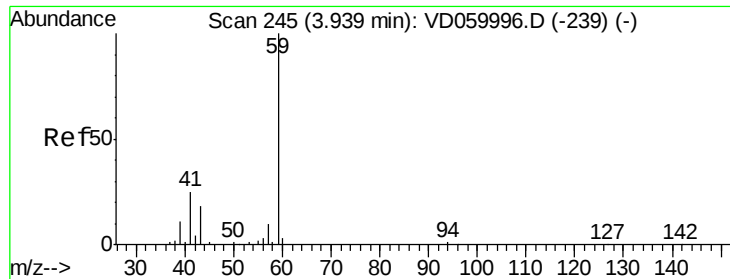


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





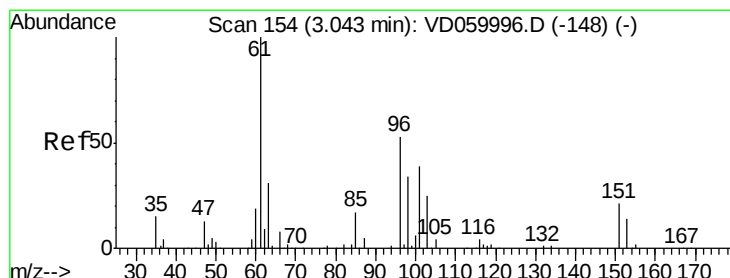
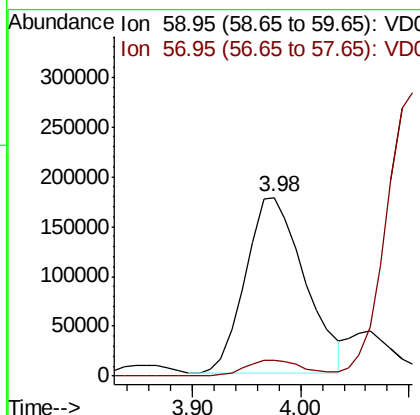
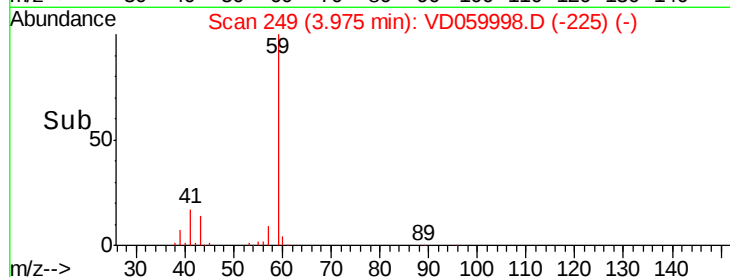
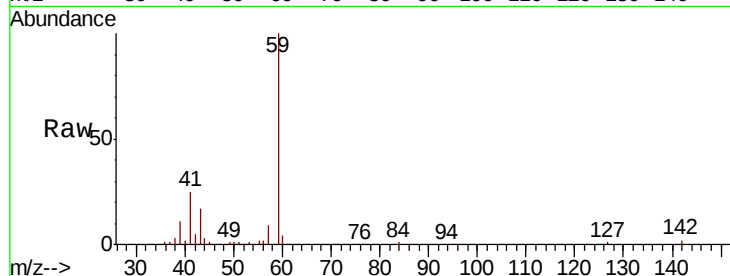
#11
Tert butyl alcohol
Concen: 645.59 ug/l
RT: 3.98 min Scan# 249
Delta R.T. 0.04 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion: 59 Resp: 669143
Ion Ratio Lower Upper
59 100
57 9.0 7.4 11.2

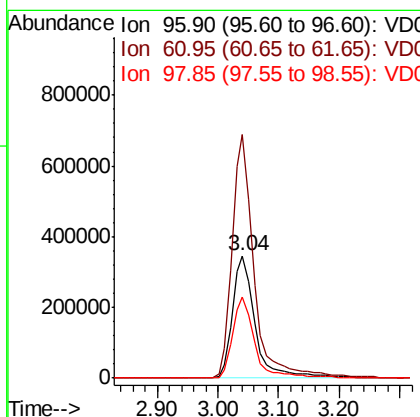
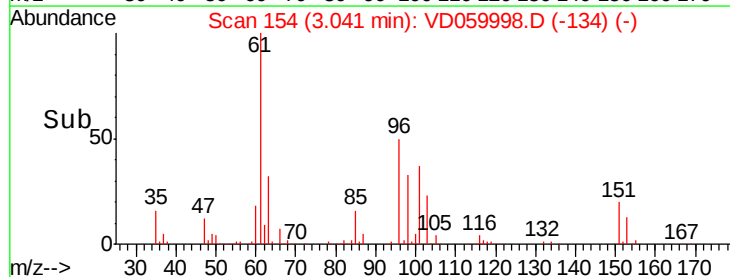
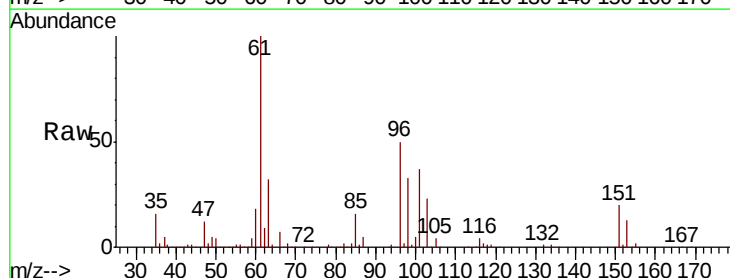
Manual Integrations
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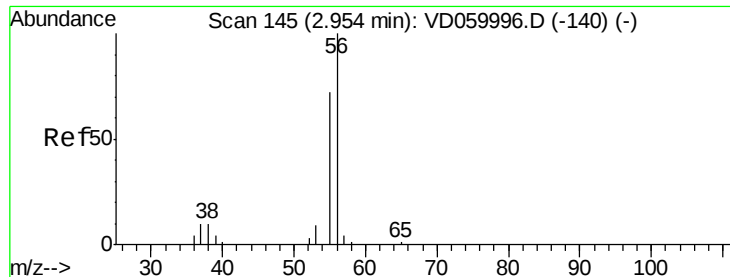
apatel
9/14/2018 10:58:00 AM



#12
1,1-Dichloroethene
Concen: 150.48 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.00 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 96 Resp: 896978
Ion Ratio Lower Upper
96 100
61 199.4 149.8 224.6
98 66.5 50.2 75.4





#13

Acrolein

Concen: 830.38 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 56 Resp: 390123

Ion Ratio Lower Upper

56 100

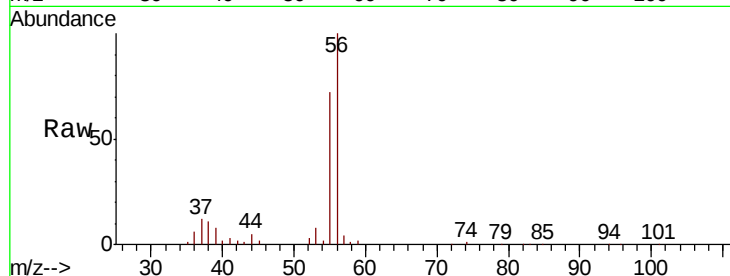
55 72.0 58.3 87.5

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

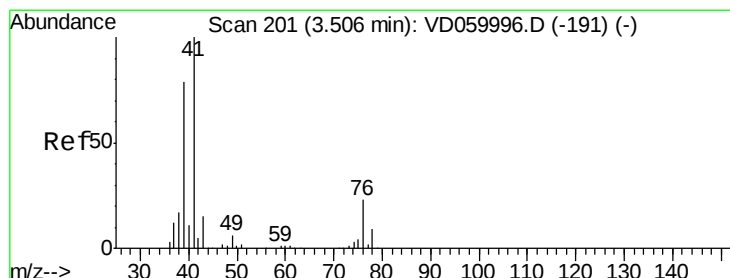
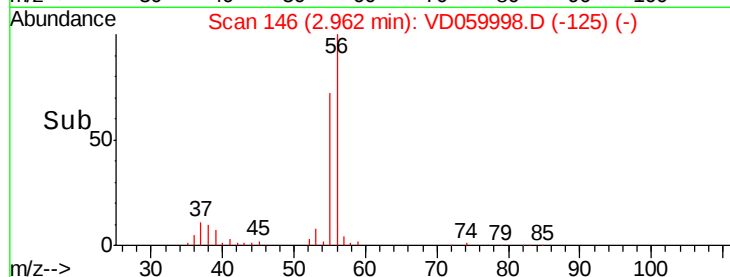
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 146.30 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.00 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

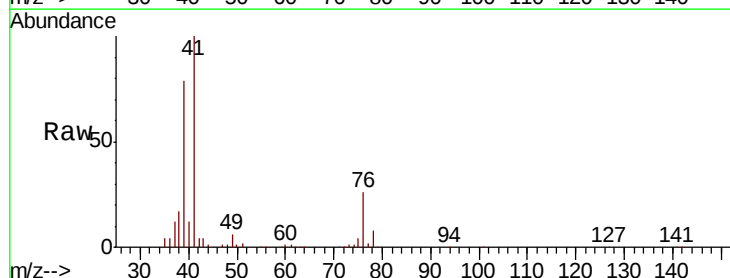
Tgt Ion: 41 Resp: 1941278

Ion Ratio Lower Upper

41 100

39 79.1 63.6 95.4

76 26.1 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

1000000

800000

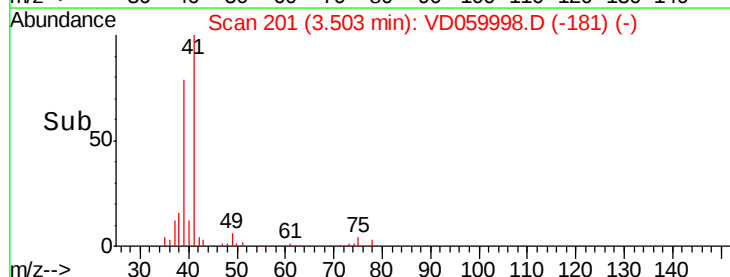
600000

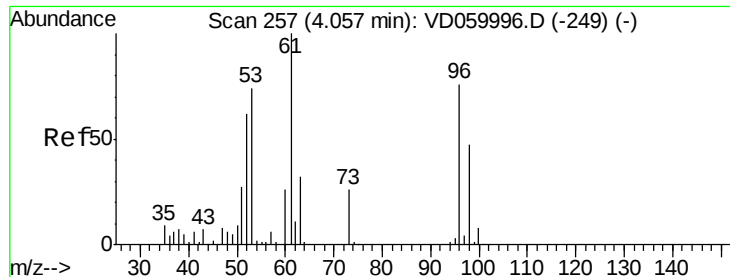
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 625.07 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleID :

VSTDCC150

Tot Ion: 53 Resp: 2449293

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

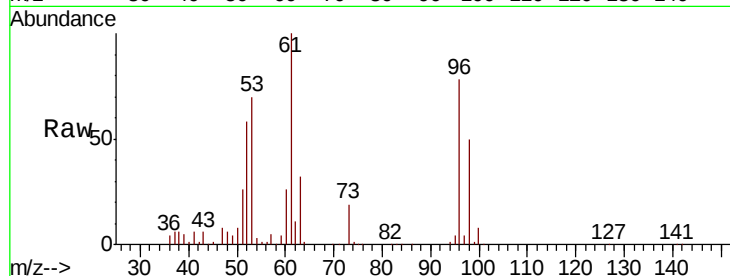
51 36.7 29.0 43.6

Manual Integrations

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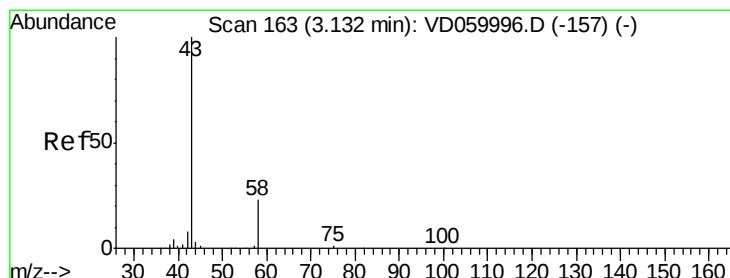
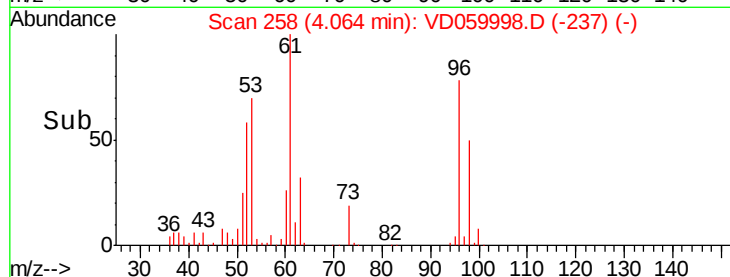
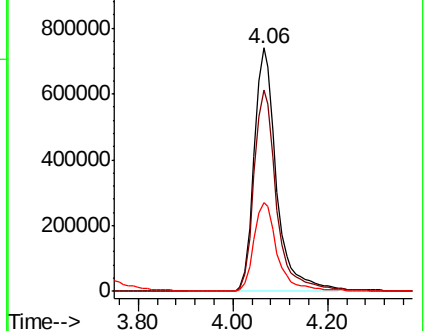
9/14/2018 10:58:00 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 565.52 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD059998.D

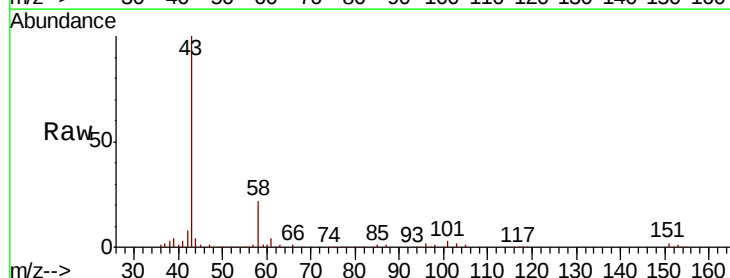
Acq: 13 Sep 2018 15:31

Tgt Ion: 43 Resp: 1400038

Ion Ratio Lower Upper

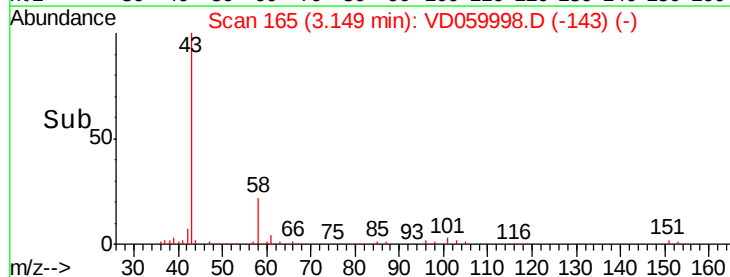
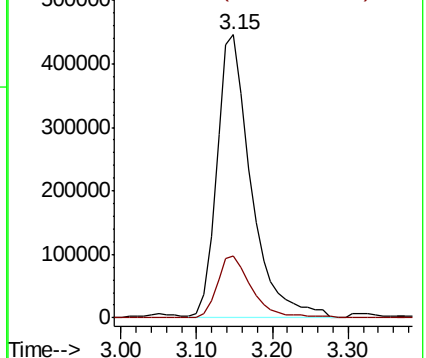
43 100

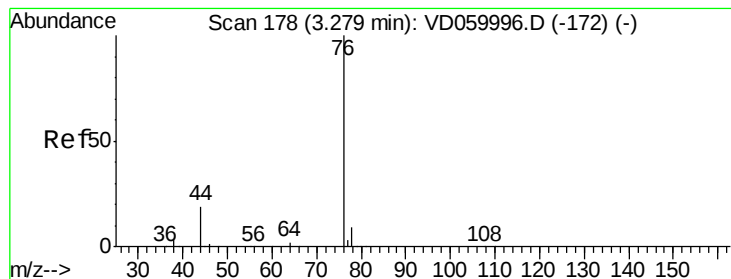
58 21.9 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 172.78 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 76 Resp: 3258274

Ion Ratio Lower Upper

76 100

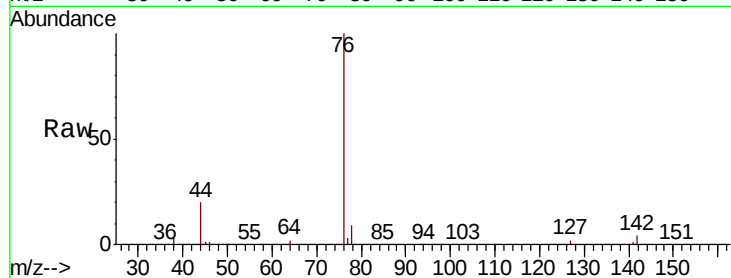
78 9.3 7.0 10.4

Manual Integrations

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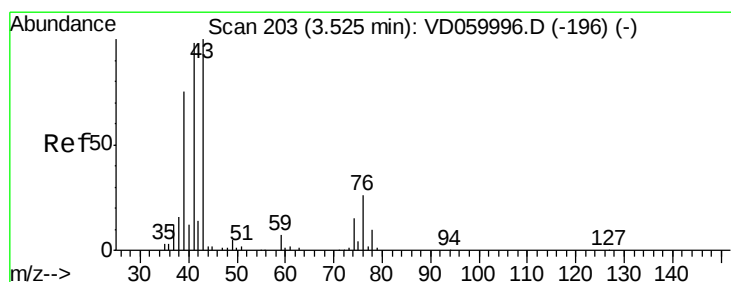
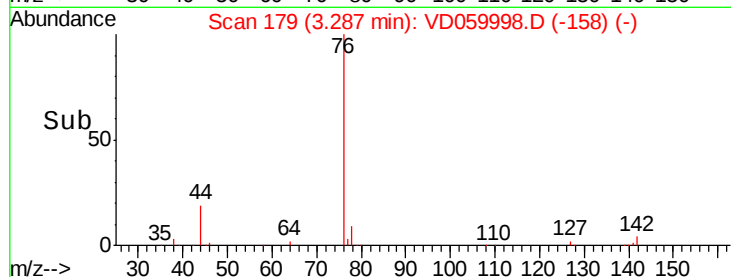
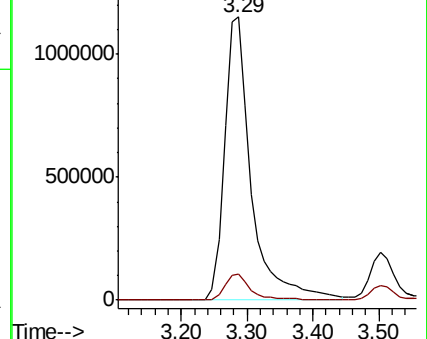
apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 118.86 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD059998.D

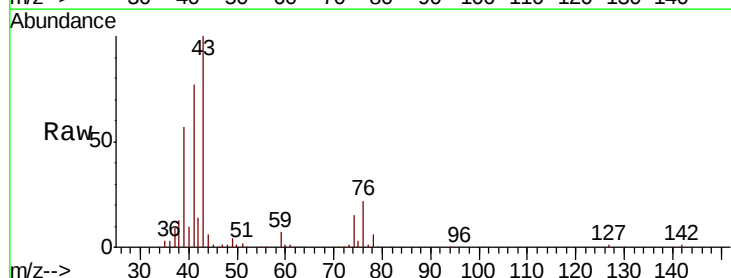
Acq: 13 Sep 2018 15:31

Tgt Ion: 43 Resp: 617605

Ion Ratio Lower Upper

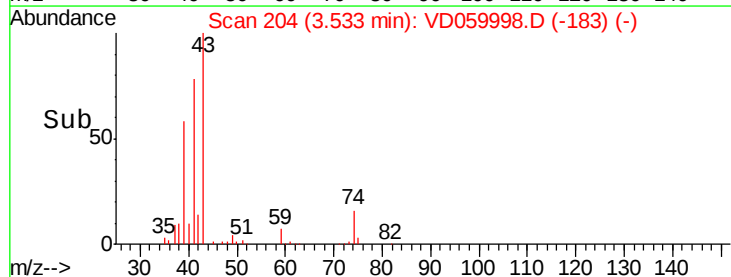
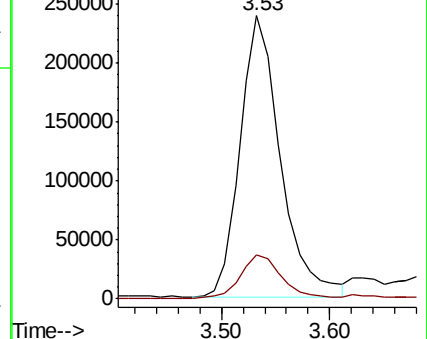
43 100

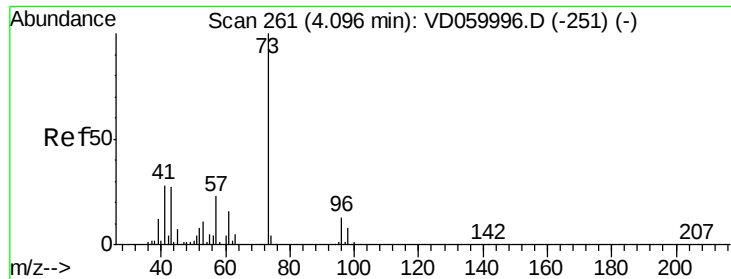
74 15.4 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





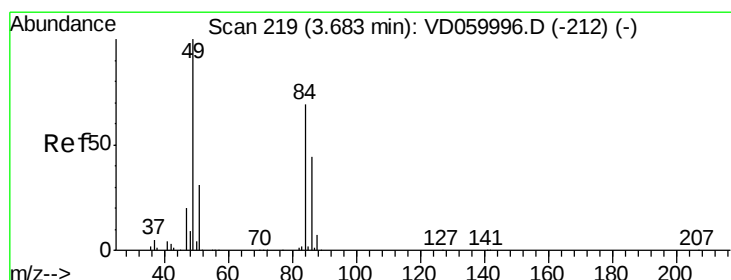
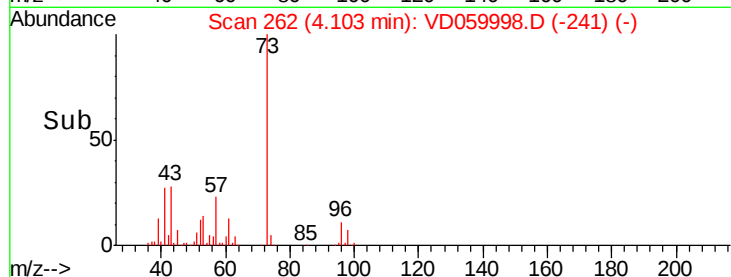
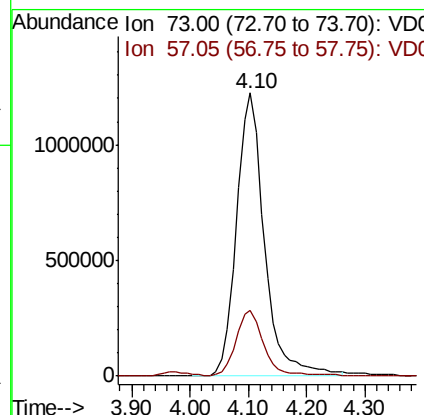
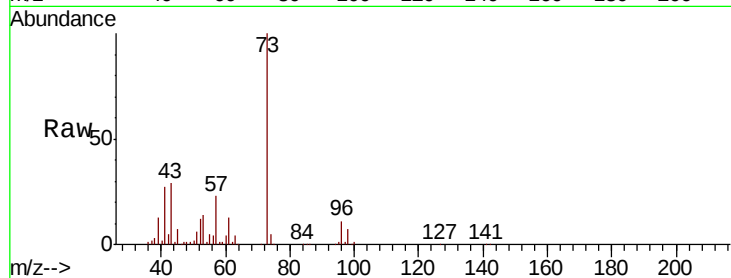
#19
Methvl tert-butvl Ether
Concen: 126.92 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion: 73 Resp: 4079119
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

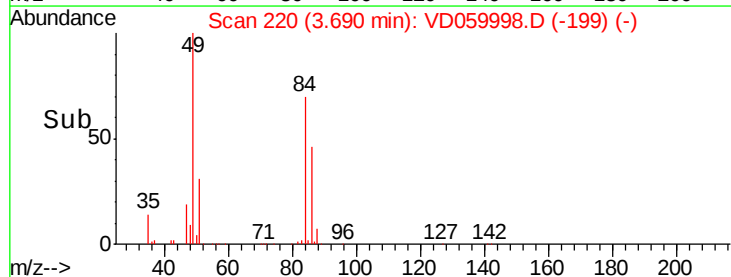
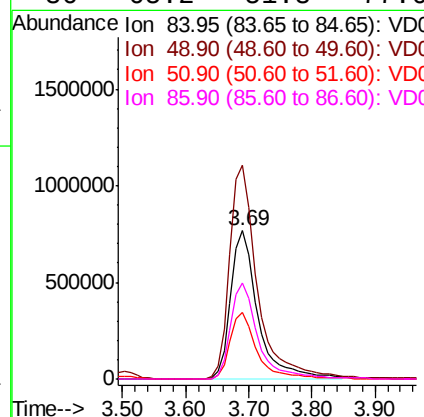
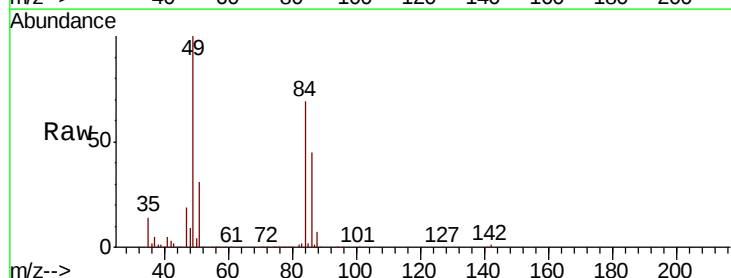
Manual Integrations
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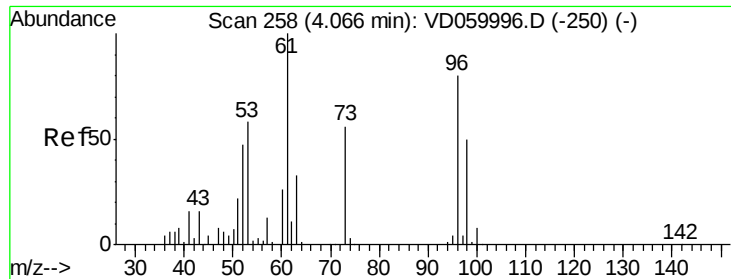
apatel
9/14/2018 10:58:00 AM



#20
Methylene Chloride
Concen: 114.03 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 84 Resp: 2303151
Ion Ratio Lower Upper
84 100
49 144.3 116.6 175.0
51 44.6 35.9 53.9
86 65.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 146.10 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 96 Resp: 2377681

Ion Ratio Lower Upper

96 100

61 128.2 100.1 150.1

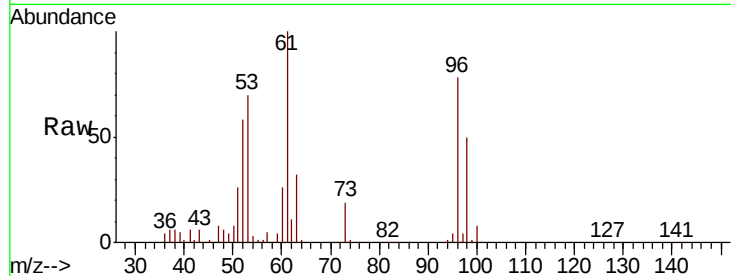
98 64.1 49.5 74.3

Manual Integrations

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apatel

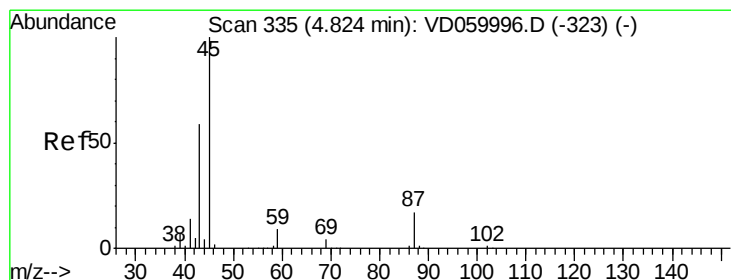
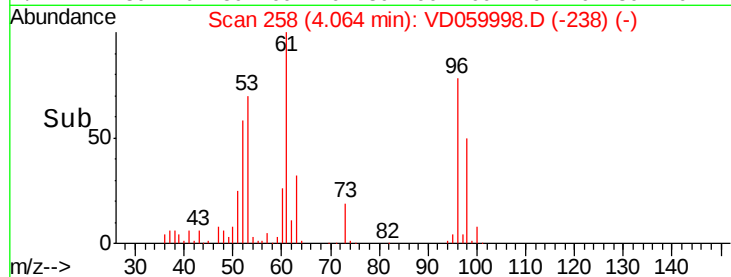
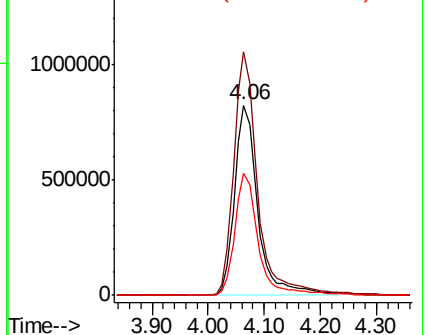
9/14/2018 10:58:00 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 124.93 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Tgt Ion: 45 Resp: 8283232

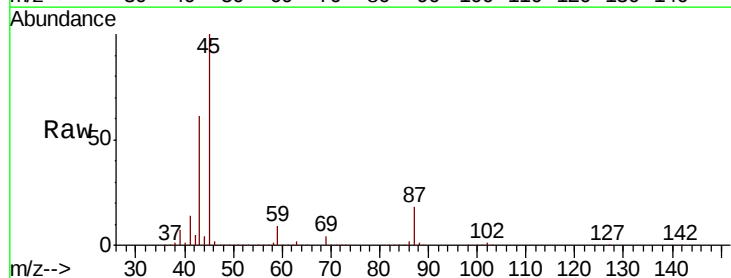
Ion Ratio Lower Upper

45 100

43 60.8 47.1 70.7

87 17.7 14.2 21.2

59 9.0 7.0 10.6

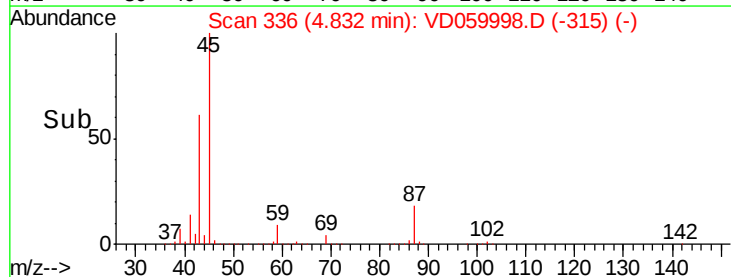
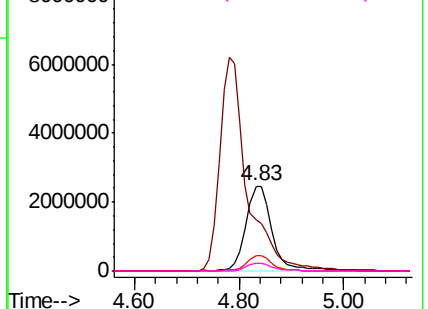


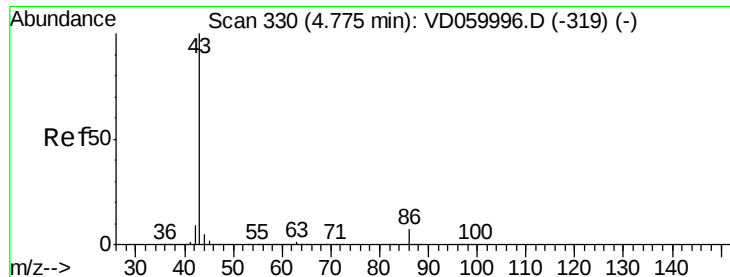
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 596.64 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 43 Resp: 22089577

Ion Ratio Lower Upper

43 100

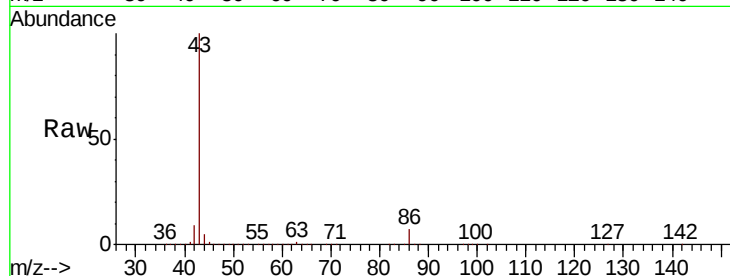
86 7.4 5.5 8.3

Manual Integrations

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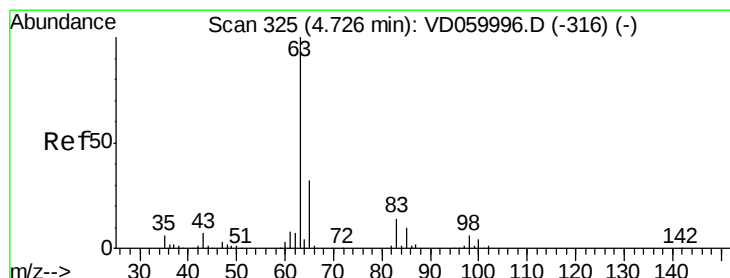
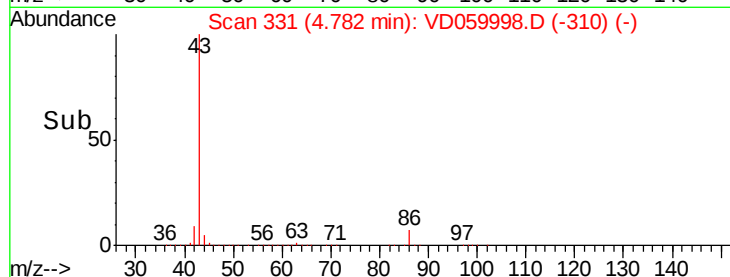
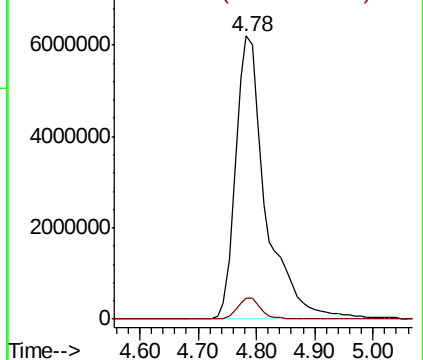
apatel

9/14/2018 10:58:00 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 136.53 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

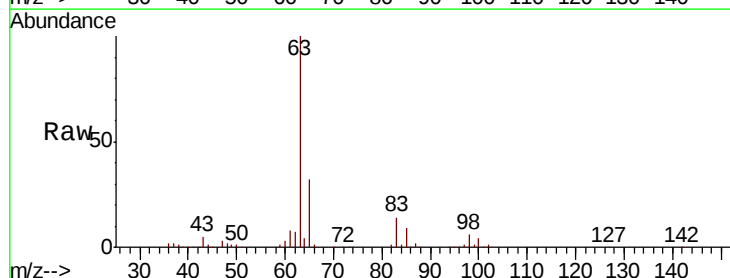
Tgt Ion: 63 Resp: 3943383

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

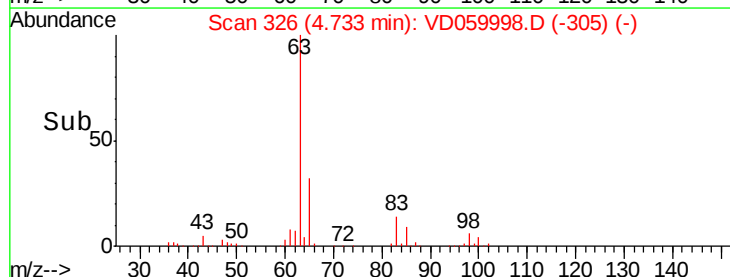
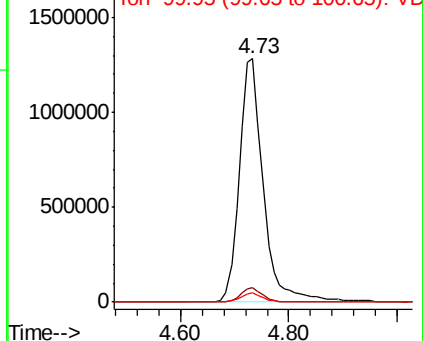
100 3.7 1.8 5.4

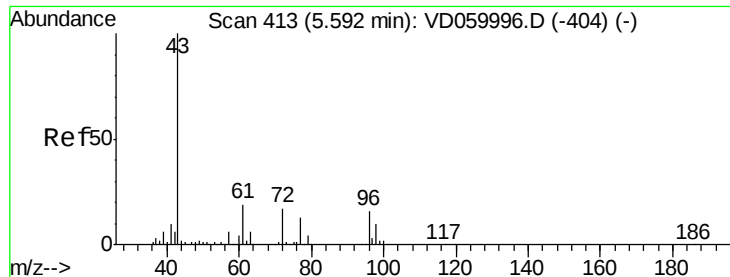


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 530.90 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 43 Resp: 3795573

Ion Ratio Lower Upper

43 100

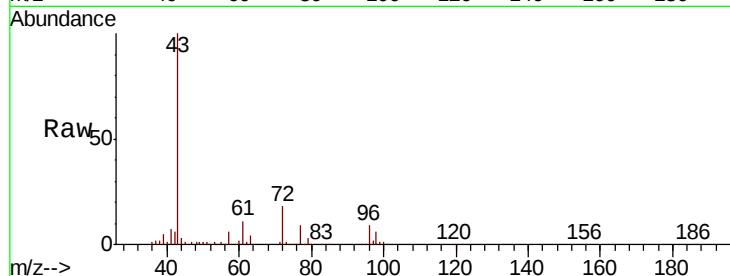
72 17.9 13.6 20.4

Manual Integrations

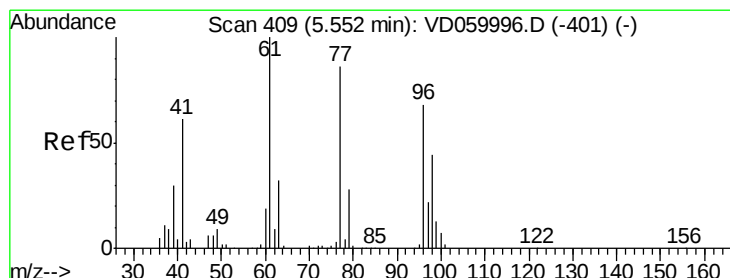
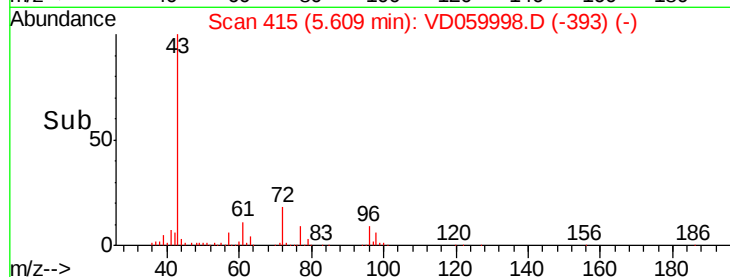
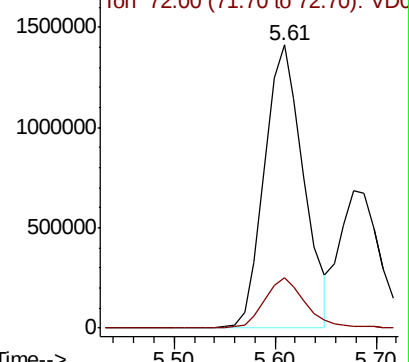
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Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 117.67 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD059998.D

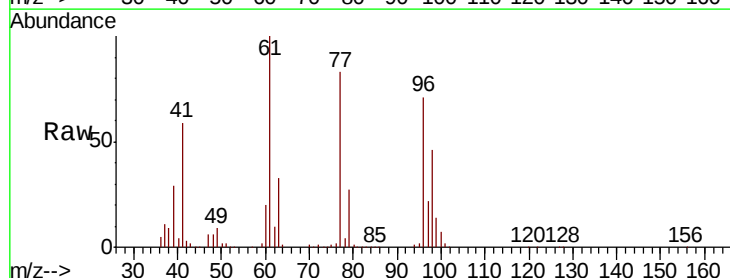
Acq: 13 Sep 2018 15:31

Tgt Ion: 77 Resp: 2822546

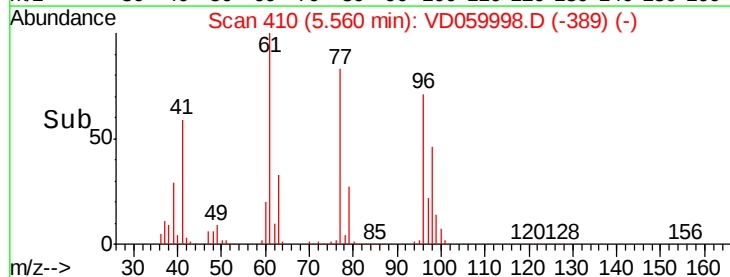
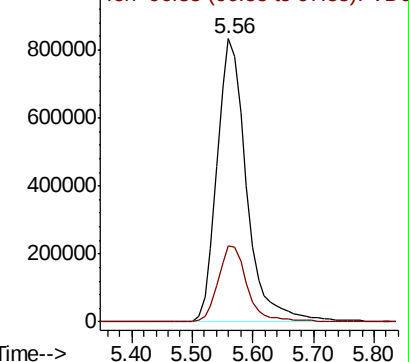
Ion Ratio Lower Upper

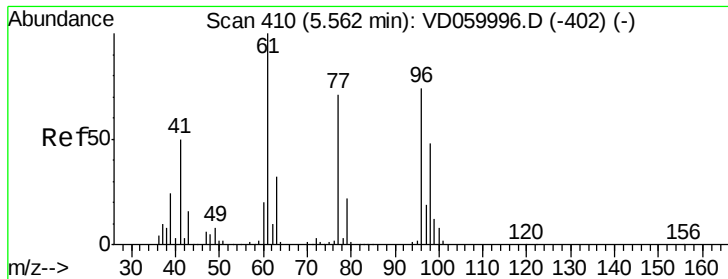
77 100

97 27.0 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC





#27

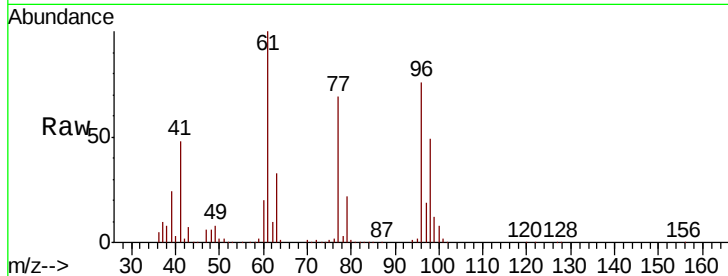
cis-1,2-Dichloroethene
 Concen: 139.61 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	269.6
98	64.0	0.0	128.4

Manual Integrations
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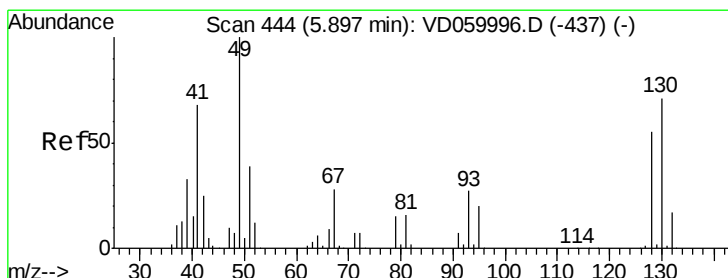
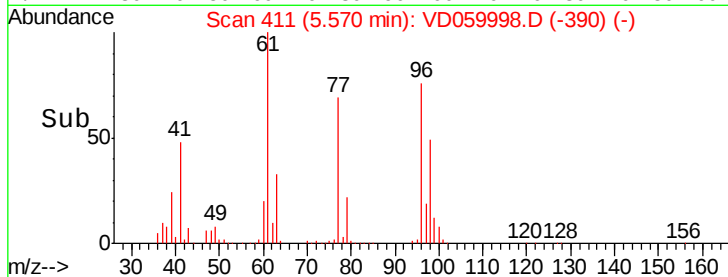
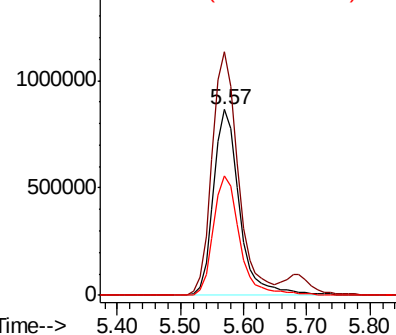


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

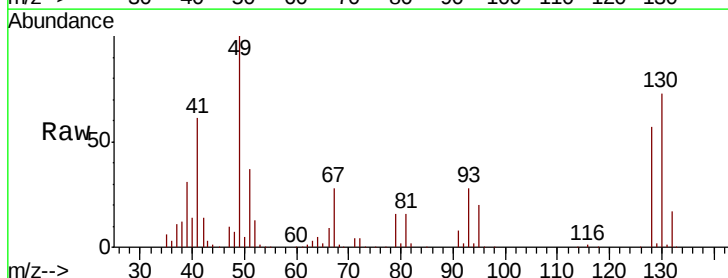
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
 Concen: 137.46 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	72.8	57.1	85.7

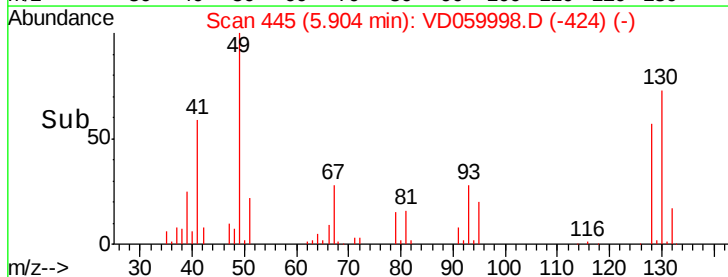
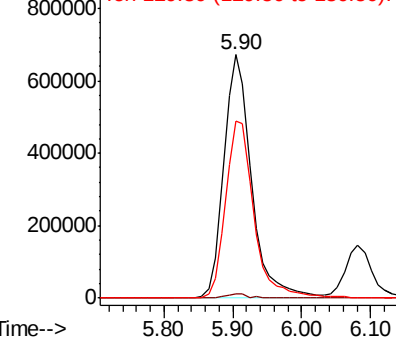


Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





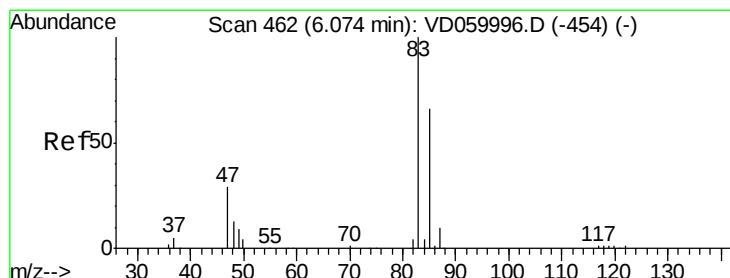
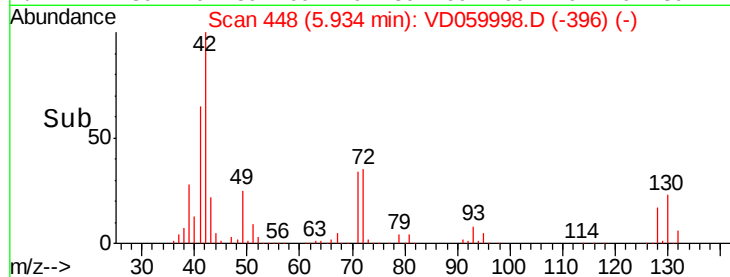
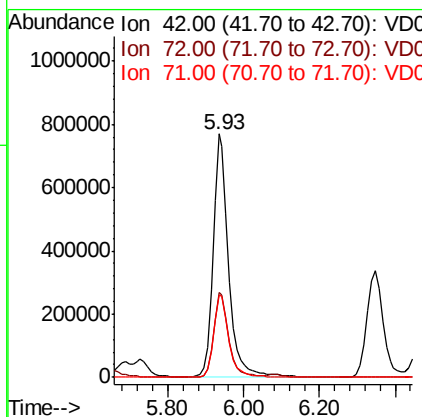
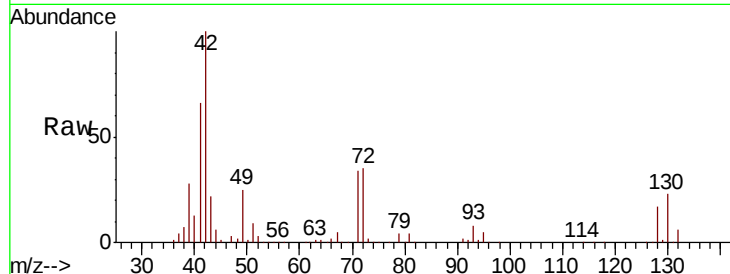
#29
Tetrahydrofuran
Concen: 627.70 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion: 42 Resp: 2217833
Ion Ratio Lower Upper
42 100
72 34.1 26.9 40.3
71 33.9 26.2 39.4

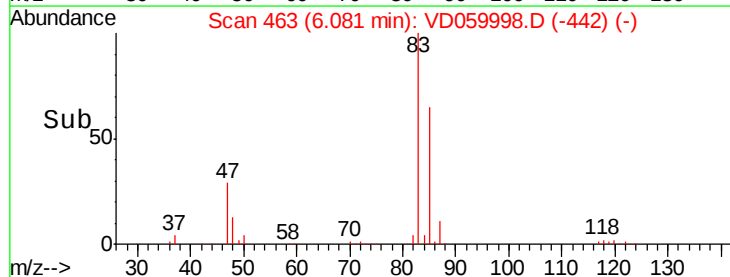
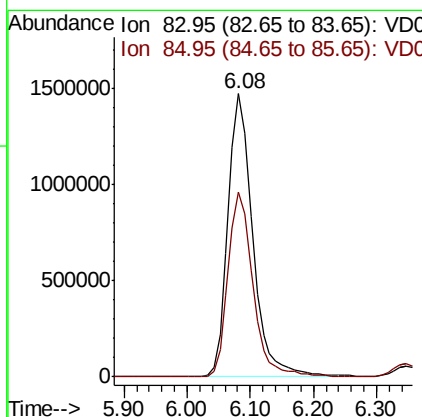
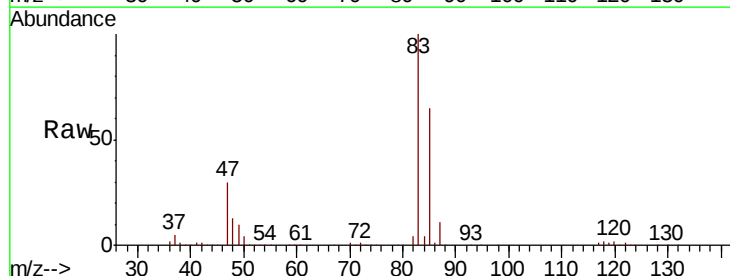
Manual Integrations
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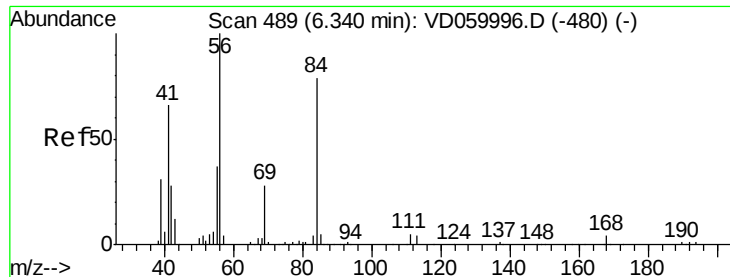
apatel
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#30
Chloroform
Concen: 136.12 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 83 Resp: 4002245
Ion Ratio Lower Upper
83 100
85 65.2 52.6 78.8





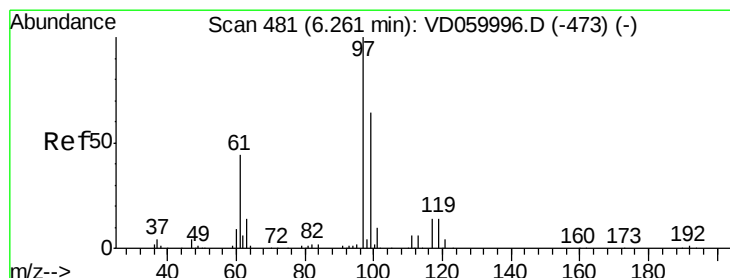
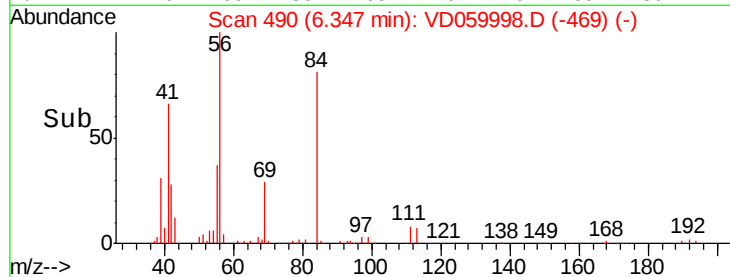
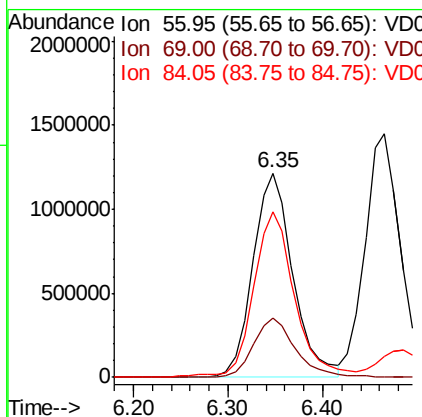
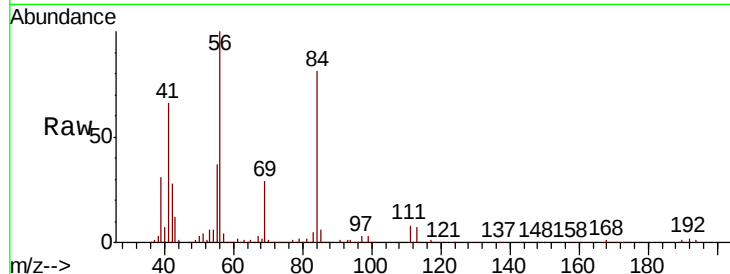
#31
Cvclohexane
Concen: 132.09 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	22.7	34.1
84	81.3	64.0	96.0

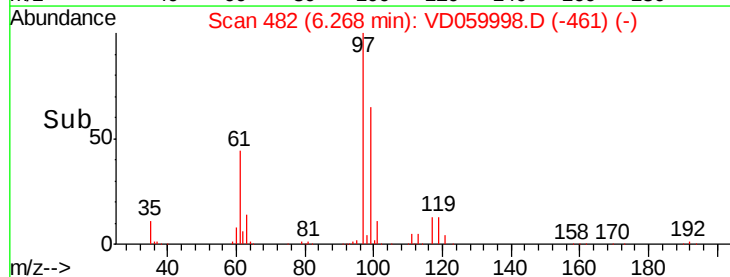
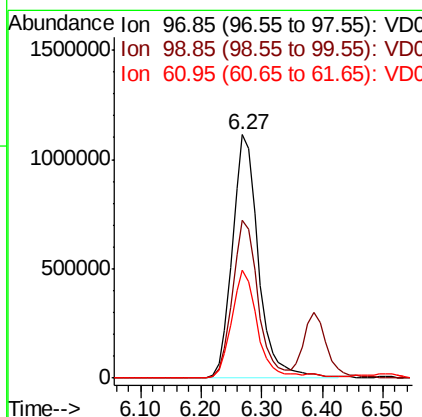
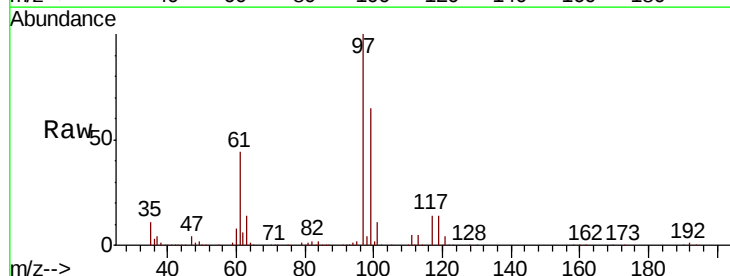
Manual Integrations
APPROVED

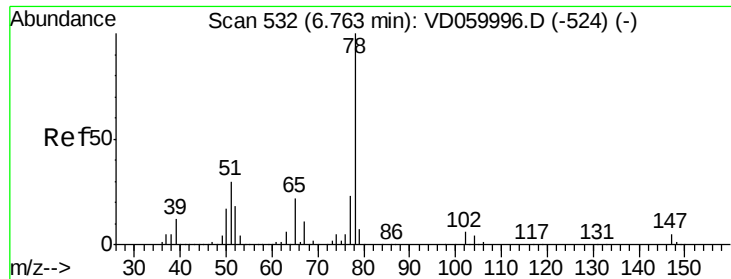
apatel
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#32
1,1,1-Trichloroethane
Concen: 133.68 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	44.2	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 133.68 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Tot Ion: 65 Resp: 1669673

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8

Instrument :

MSVOA_D

ClientSampleId :

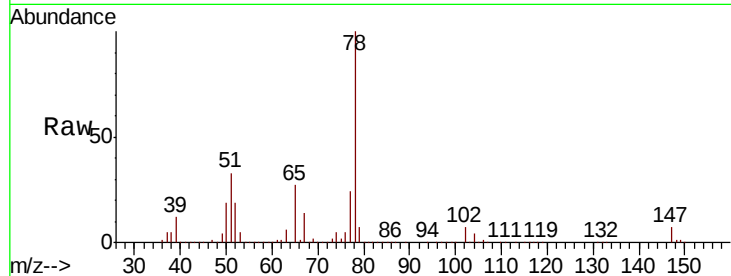
VSTDCC150

Manual Integrations

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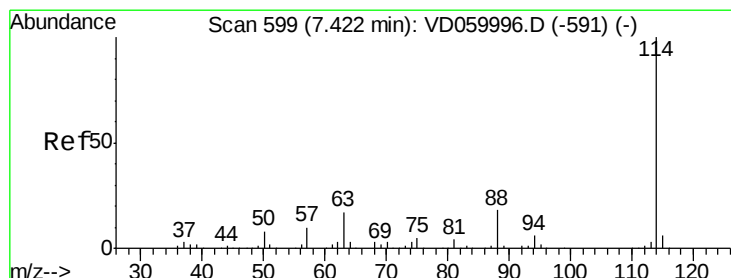
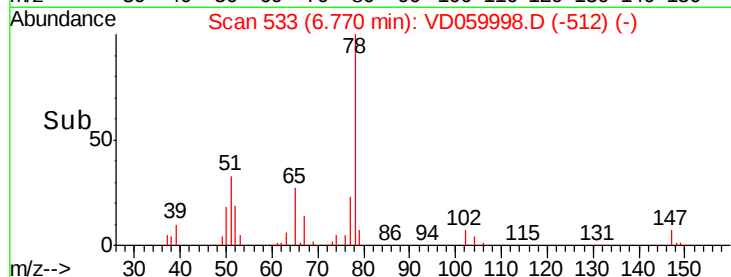
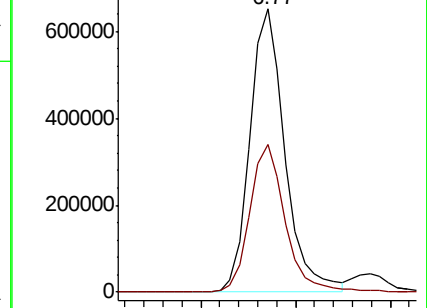
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

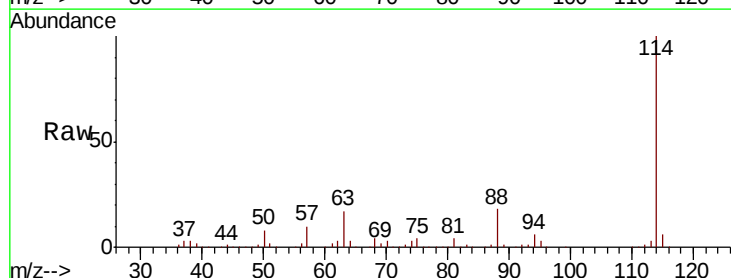
Tgt Ion: 114 Resp: 2236092

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

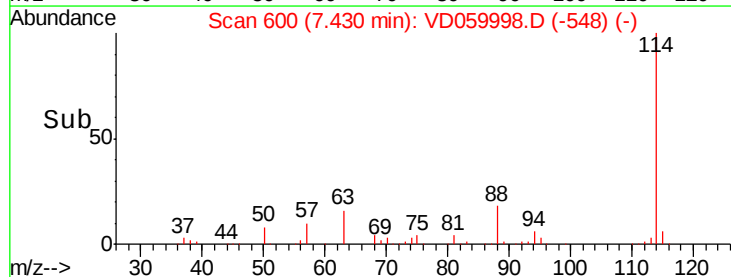
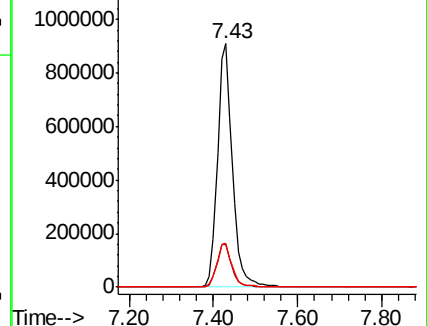
88 18.2 0.0 35.8

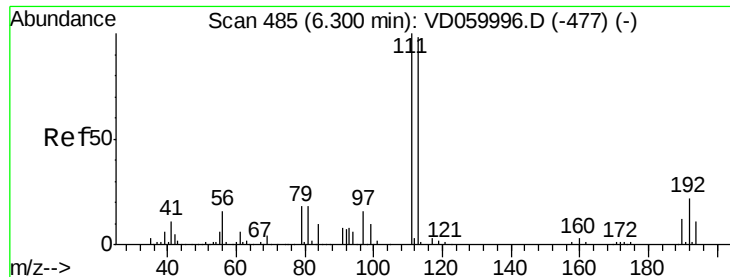


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





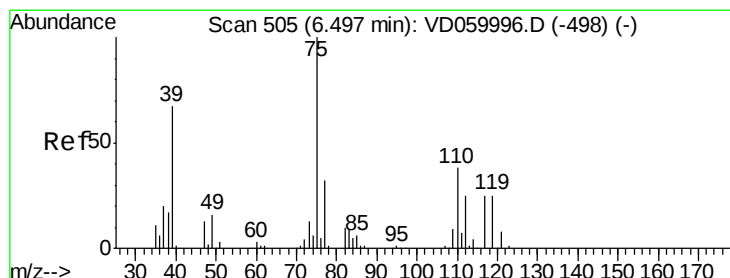
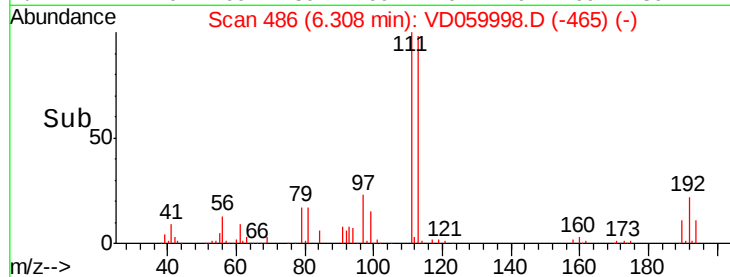
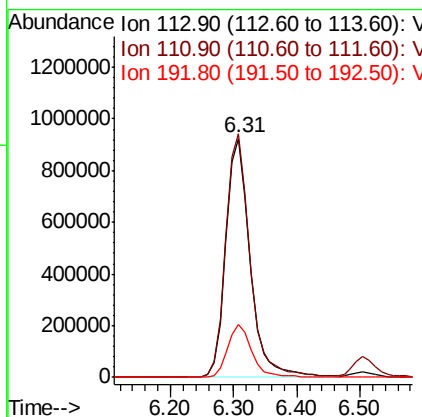
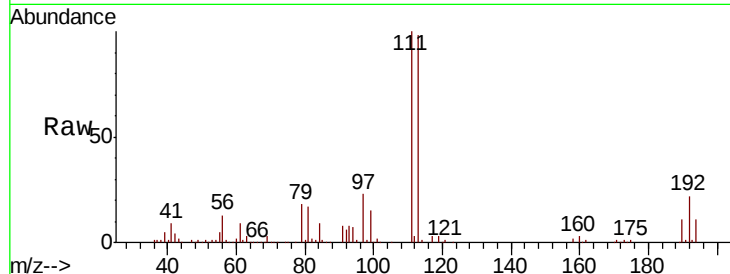
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.3	121.9
192	22.3	18.1	27.1

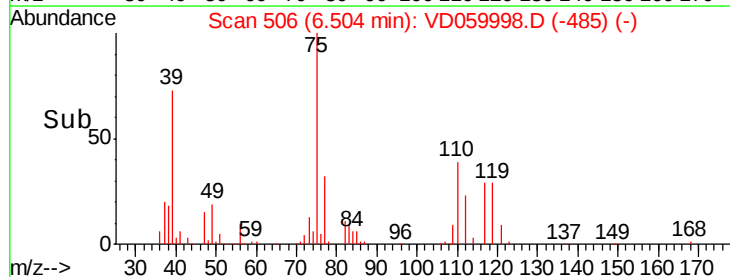
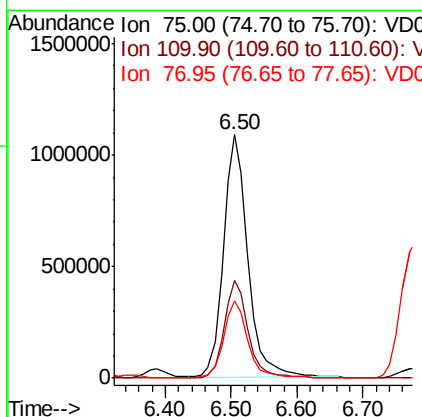
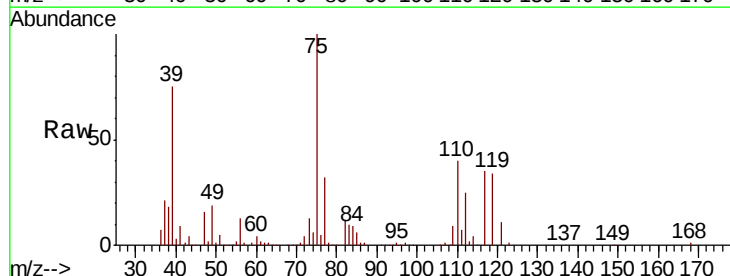
Manual Integrations
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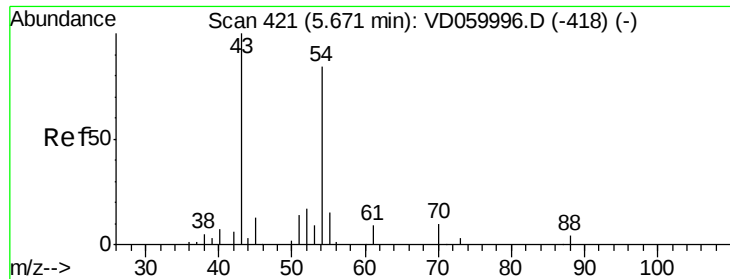
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#36
 1,1-Dichloropropene
 Concen: 135.02 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.1	18.9	56.9
77	31.8	25.3	37.9





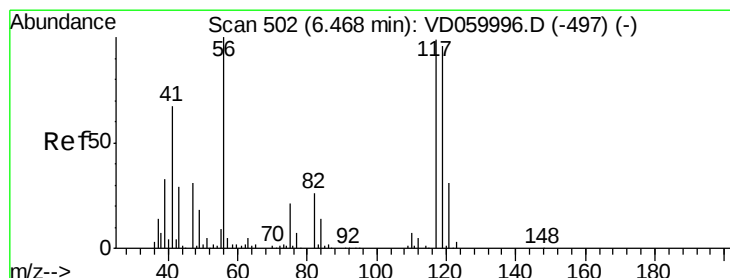
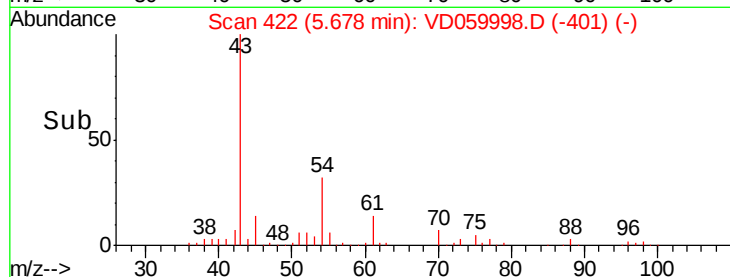
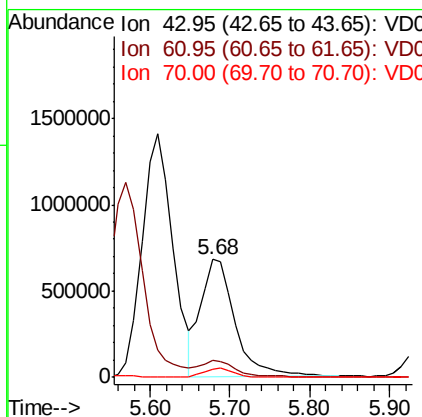
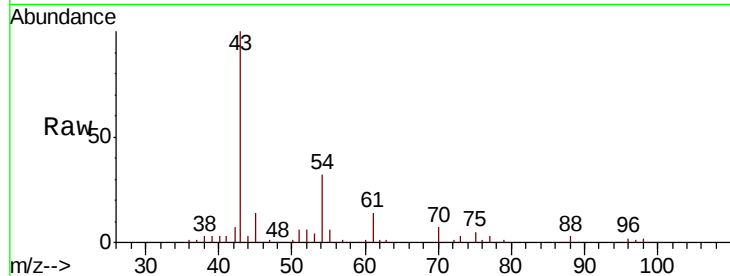
#37
Ethyl Acetate
Concen: 128.06 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion: 43 Resp: 2009913
Ion Ratio Lower Upper
43 100
61 14.2 10.2 15.2
70 7.2 6.1 9.1

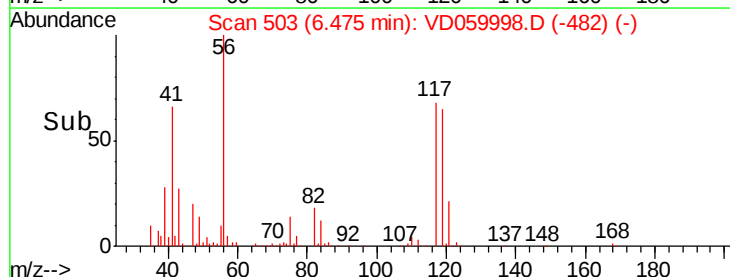
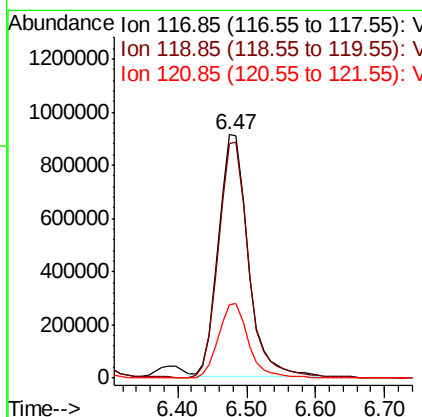
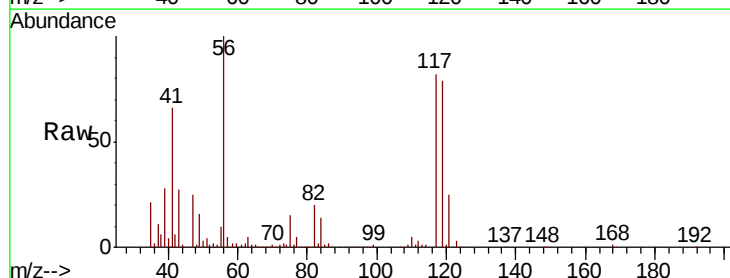
Manual Integrations
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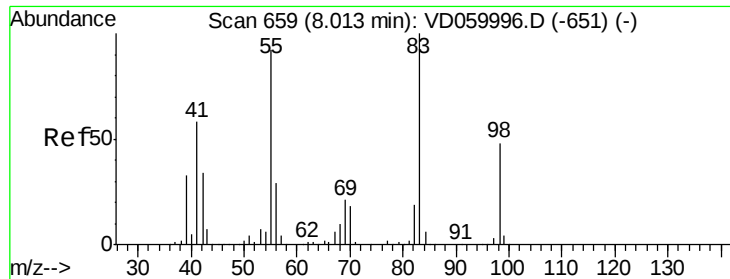
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#38
Carbon Tetrachloride
Concen: 130.93 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 117 Resp: 2725046
Ion Ratio Lower Upper
117 100
119 96.1 76.7 115.1
121 30.3 24.9 37.3





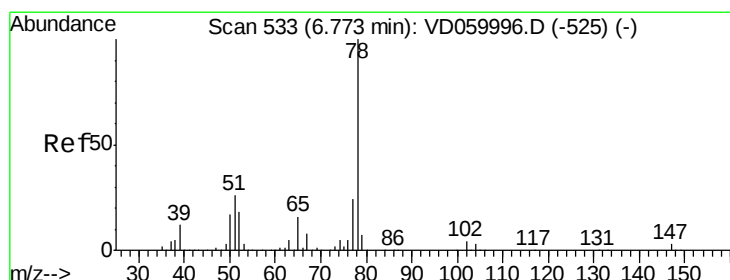
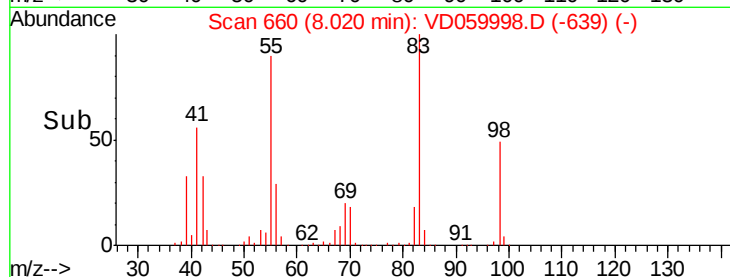
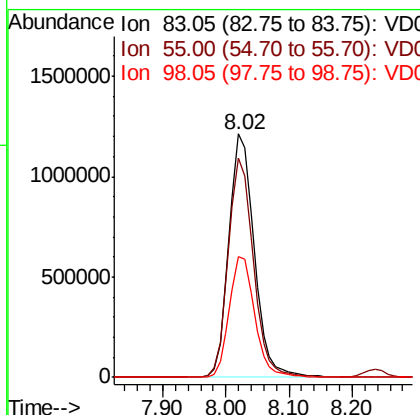
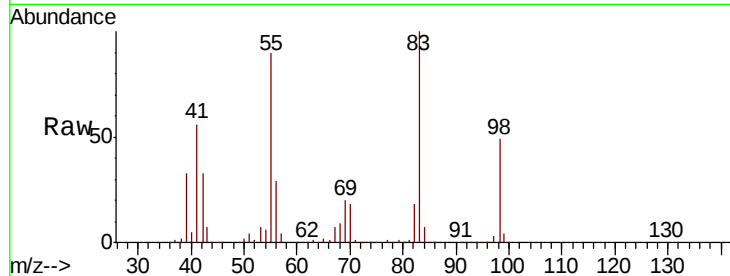
#39
Methvlcvclohexane
Concen: 149.06 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion: 83 Resp: 3371496
Ion Ratio Lower Upper
83 100
55 90.1 73.8 110.6
98 49.4 38.1 57.1

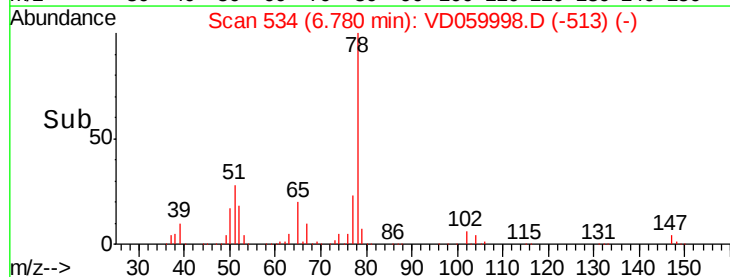
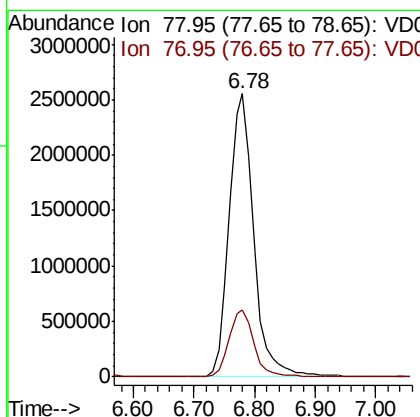
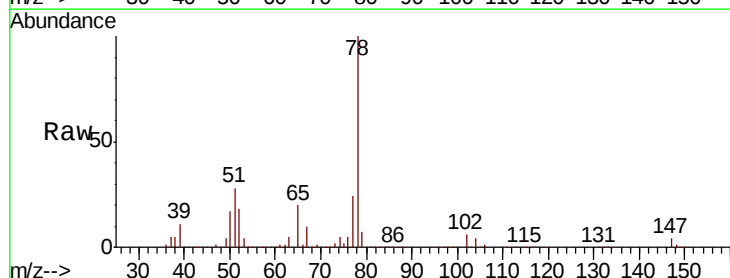
Manual Integrations
APPROVED

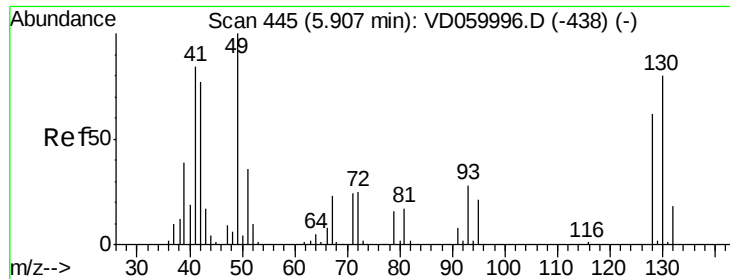
apatel
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#40
Benzene
Concen: 133.32 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 78 Resp: 7204485
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





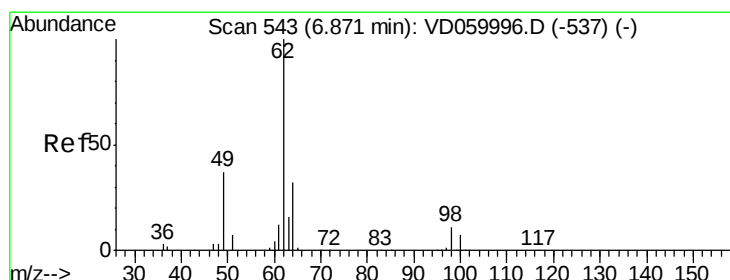
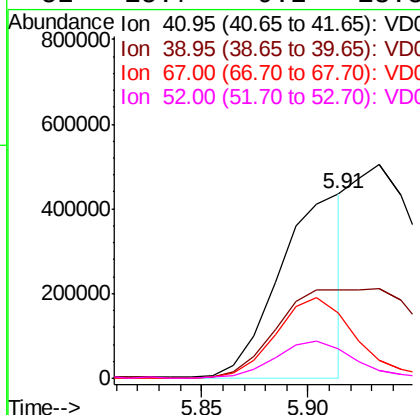
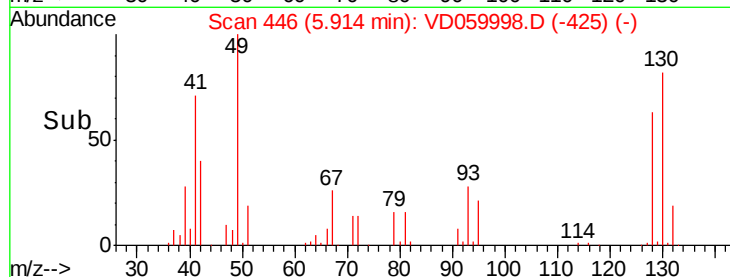
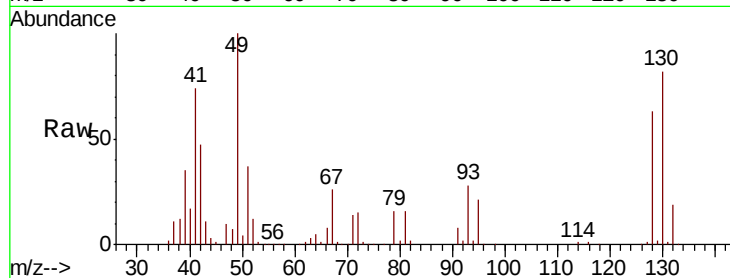
#41
Methacrylonitrile
Concen: 116.31 ug/l m
RT: 5.91 min Scan# 446
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.7	37.5	56.3
67	35.3	21.5	32.3
52	15.7	9.2	13.8

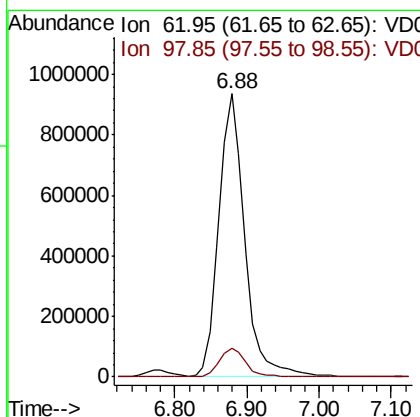
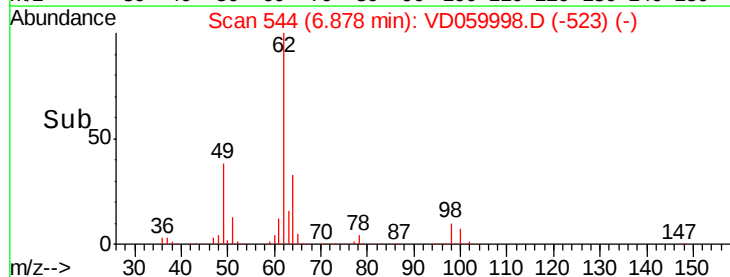
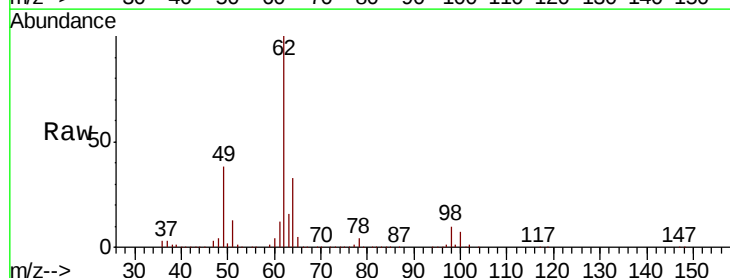
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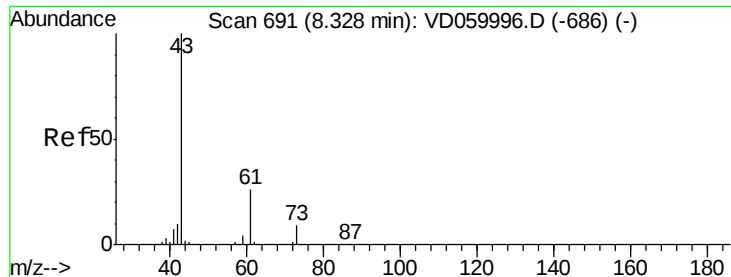
apatel
9/14/2018 10:58:00 AM



#42
1,2-Dichloroethane
Concen: 135.77 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.4





#43

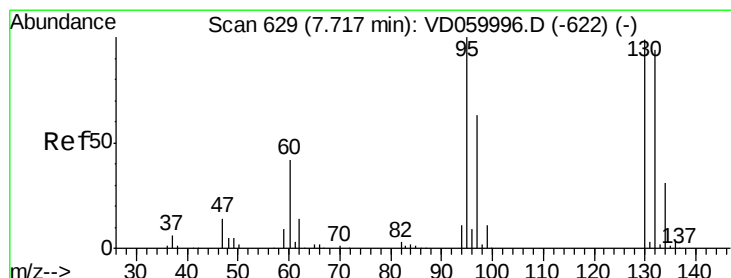
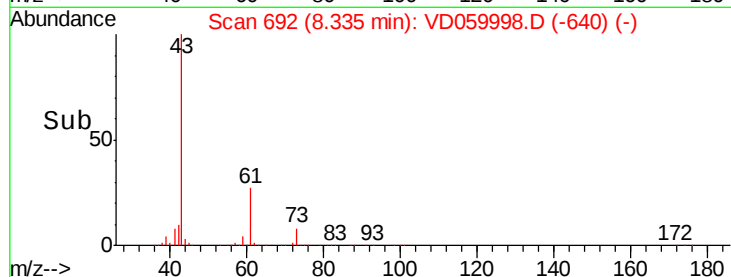
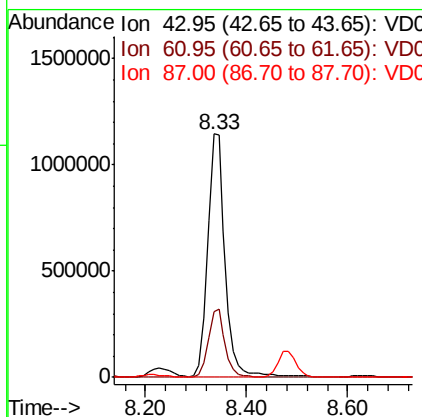
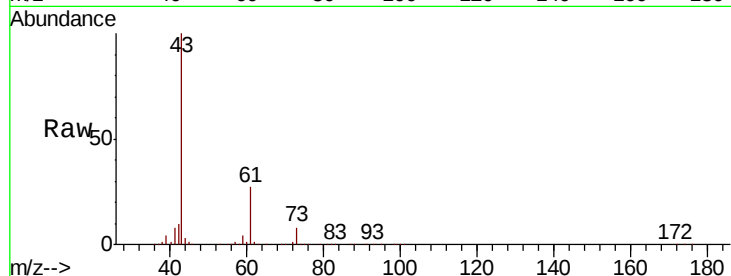
Isopropyl Acetate
 Concen: 133.92 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCC150

Tot Ion: 43 Resp: 2752890
 Ion Ratio Lower Upper
 43 100
 61 27.2 21.0 31.6
 87 0.3 0.2 0.2#

Manual Integrations
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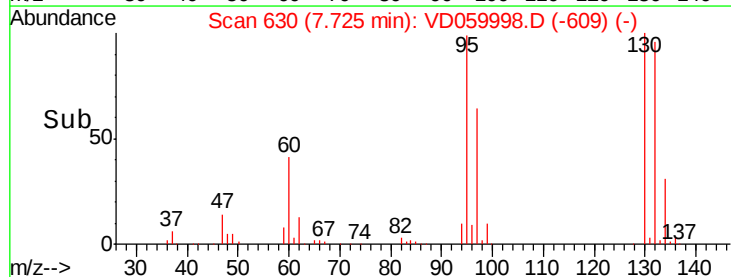
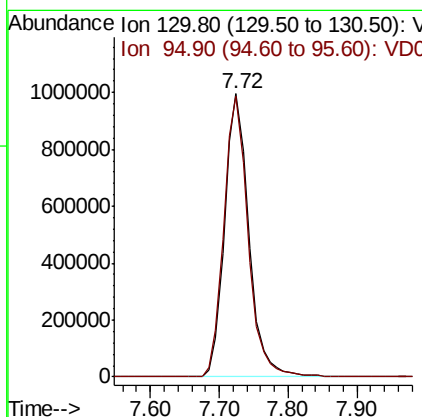
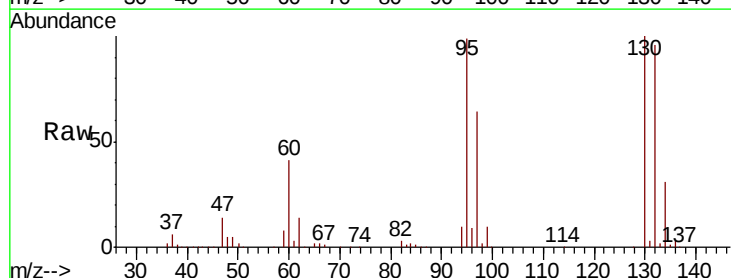
apatel
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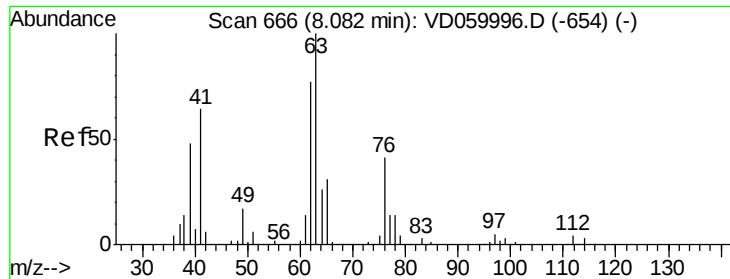


#44

Trichloroethene
 Concen: 151.78 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion:130 Resp: 2431162
 Ion Ratio Lower Upper
 130 100
 95 99.0 0.0 202.0





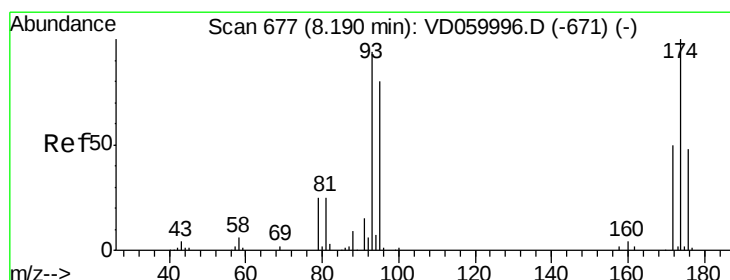
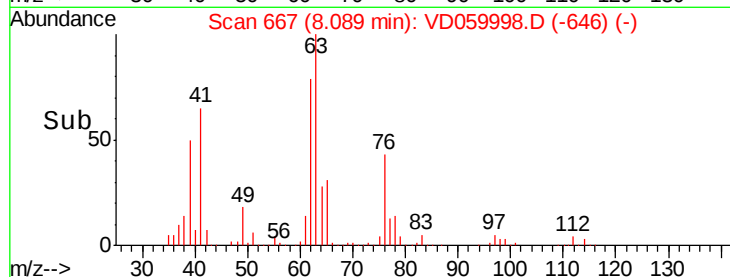
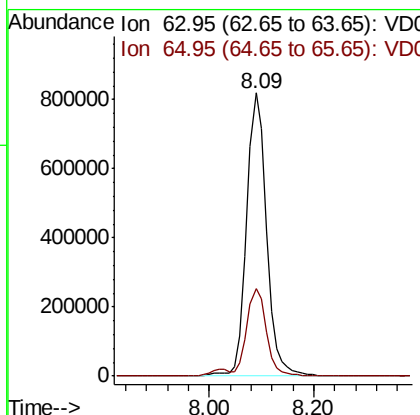
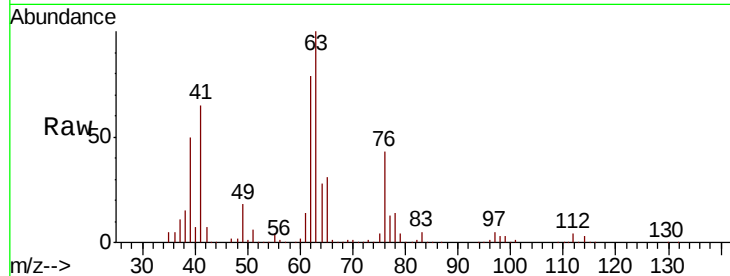
#45
 1,2-Dichloropropane
 Concen: 140.23 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Tot Ion: 63 Resp: 2093163
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0

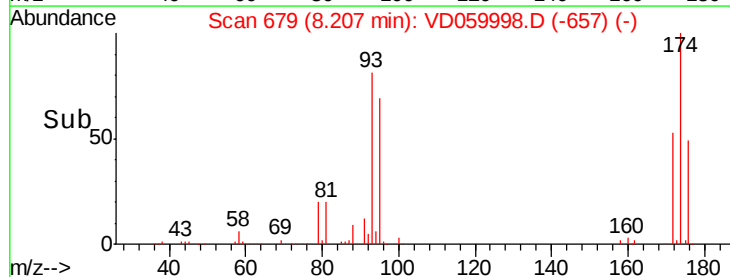
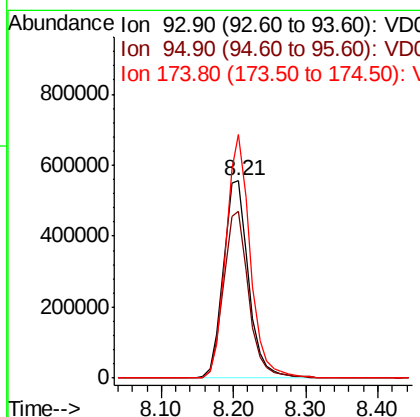
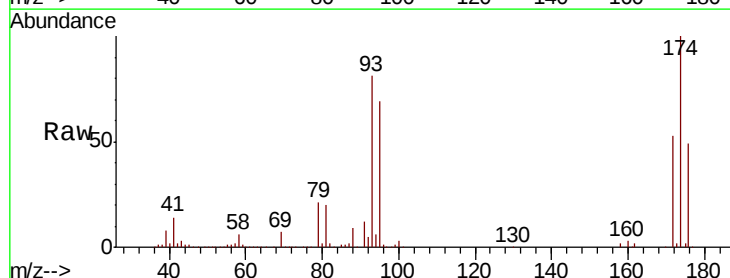
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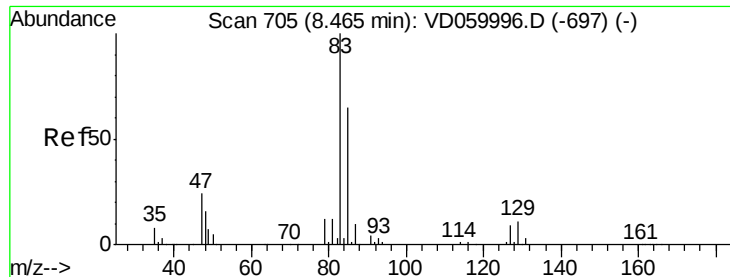
apatel
 9/14/2018 10:58:00 AM



#46
 Dibromomethane
 Concen: 140.33 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 93 Resp: 1348238
 Ion Ratio Lower Upper
 93 100
 95 84.8 68.0 102.0
 174 123.3 85.4 128.2





#47

Bromodichloromethane

Concen: 134.14 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 83 Resp: 2891949

Ion Ratio Lower Upper

83 100

85 66.0 51.9 77.9

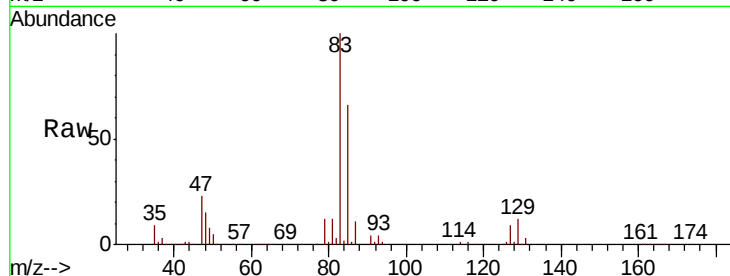
127 9.5 6.8 10.2

Manual Integrations

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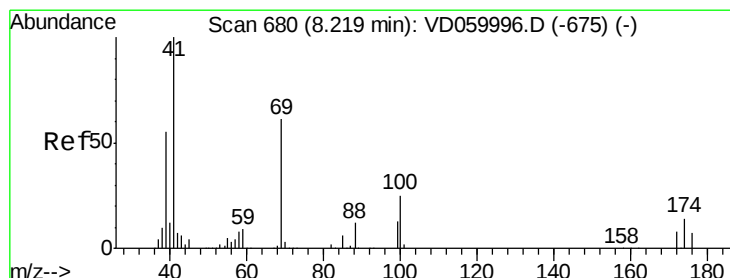
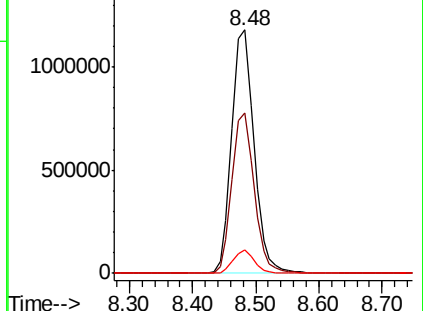
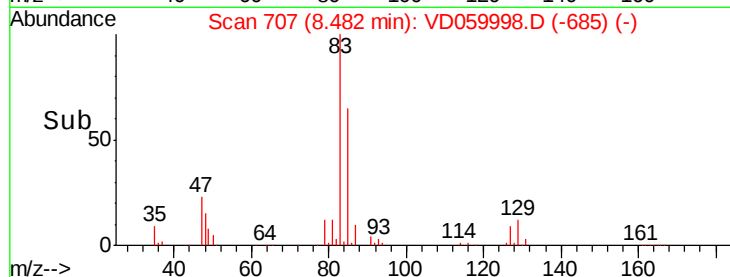
9/14/2018 10:58:00 AM



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 126.21 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

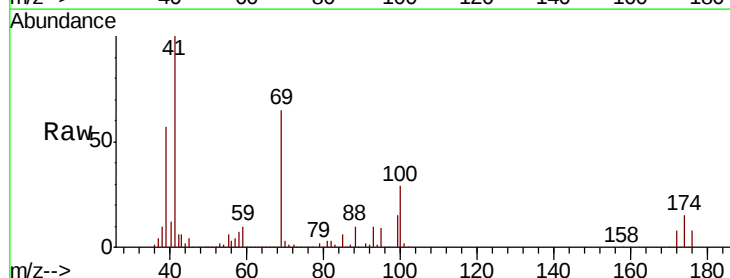
Tgt Ion: 41 Resp: 1509954

Ion Ratio Lower Upper

41 100

69 65.5 48.3 72.5

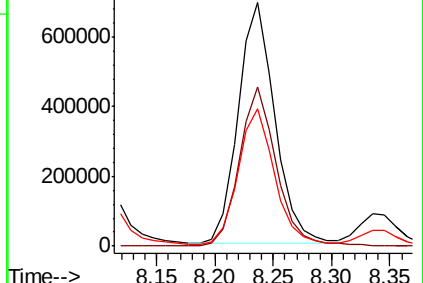
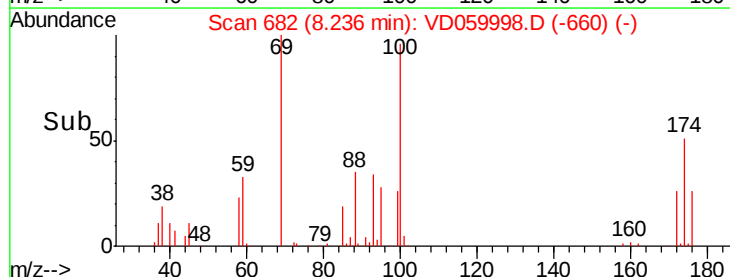
39 56.7 44.1 66.1

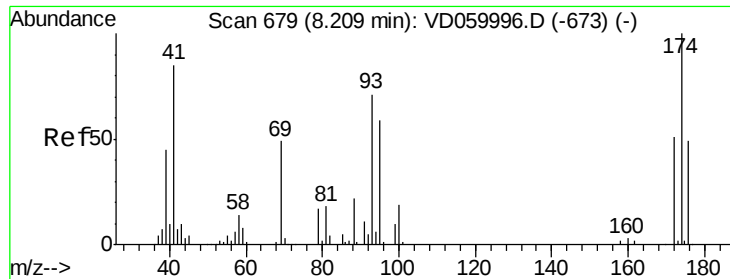


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





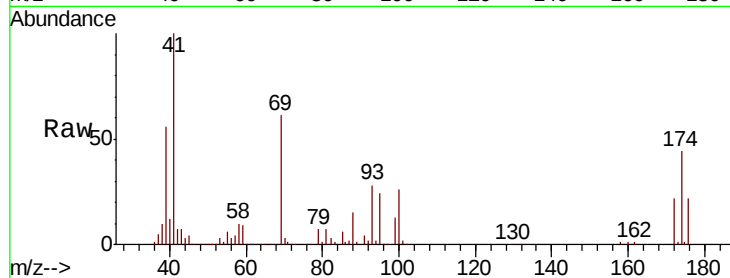
#49
1,4-Dioxane
Concen: 2731.57 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

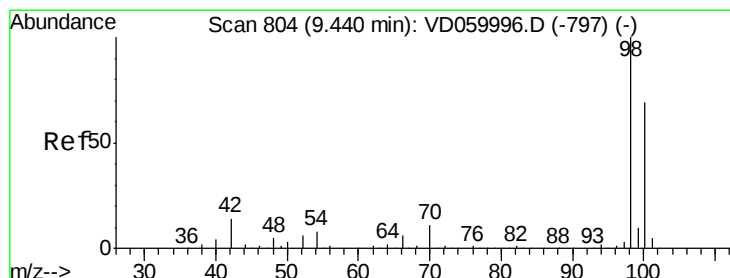
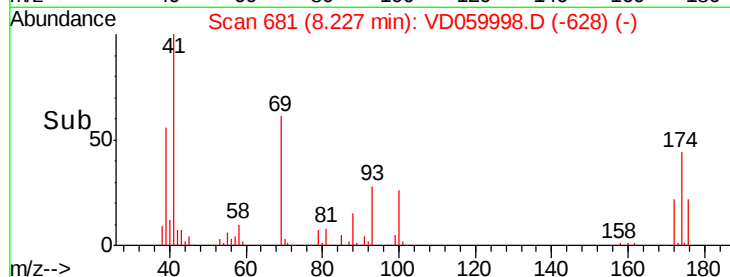
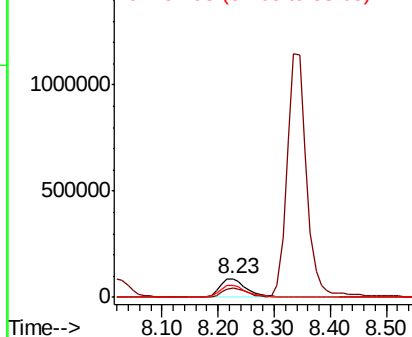
Tot Ion	Ratio	Lower	Upper
88	100		
43	49.6	36.2	54.2
58	65.9	51.0	76.6

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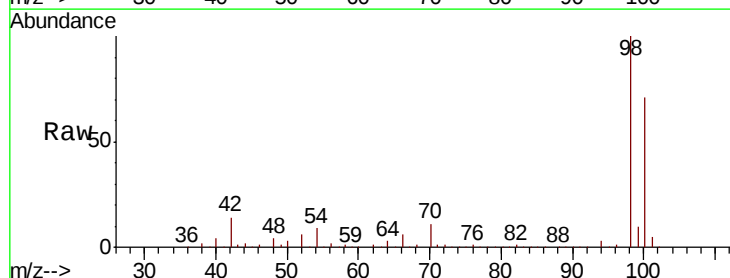


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

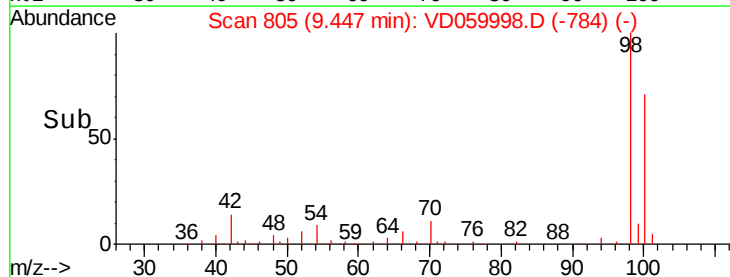
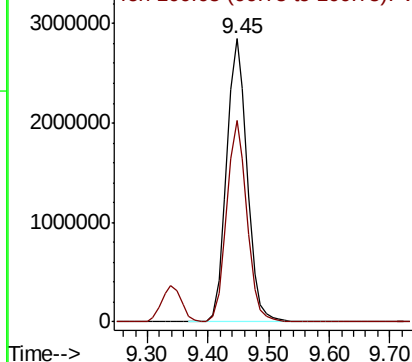


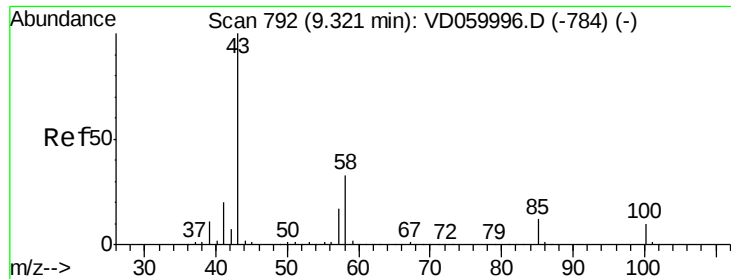
#50
Toluene-d8
Concen: 2731.57 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.0	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 520.18 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 43 Resp: 7623645

Ion Ratio Lower Upper

43 100

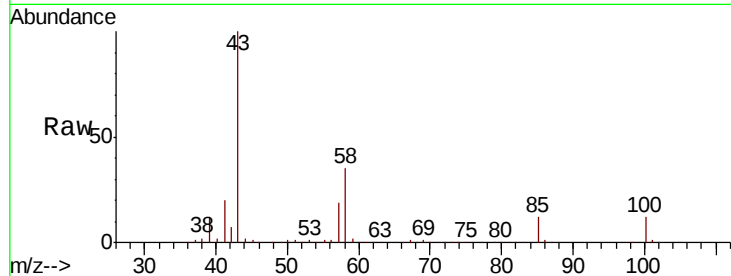
58 35.5 26.4 39.6

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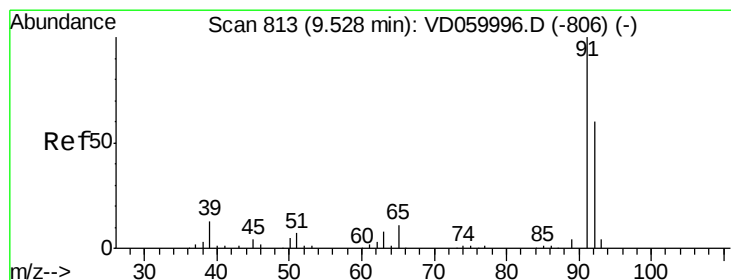
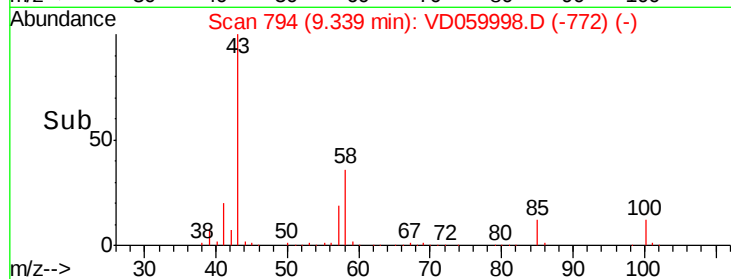
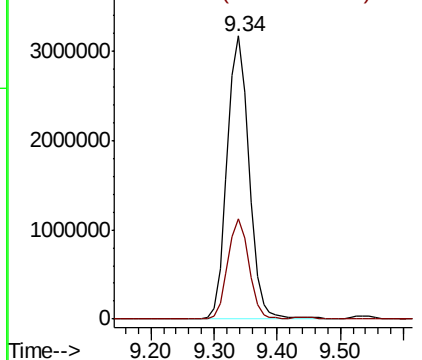
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 136.15 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD059998.D

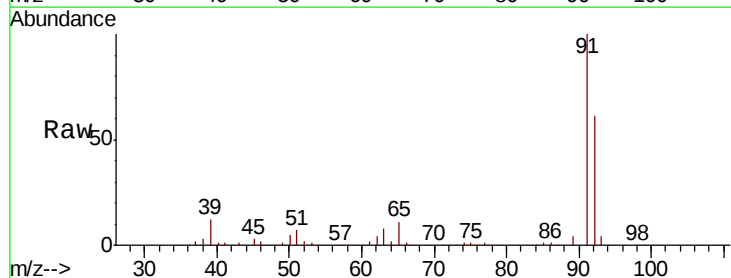
Acq: 13 Sep 2018 15:31

Tgt Ion: 92 Resp: 4707532

Ion Ratio Lower Upper

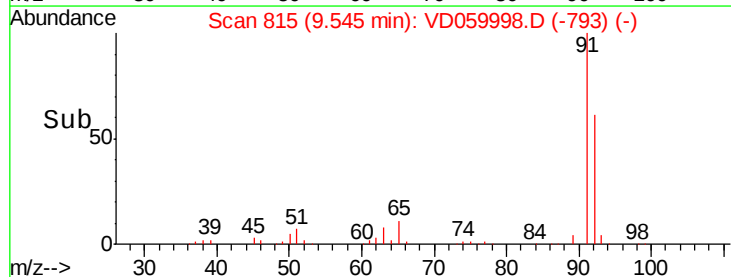
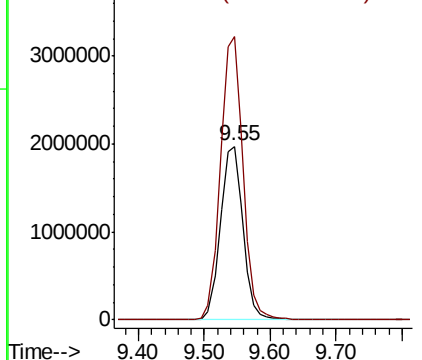
92 100

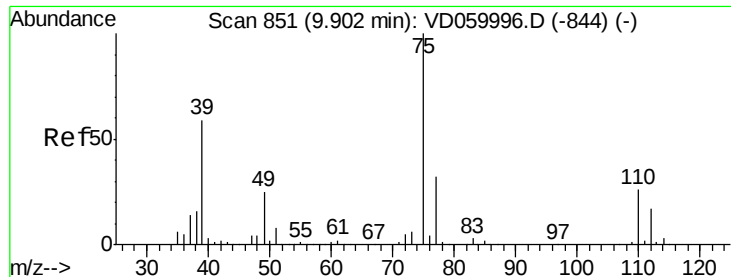
91 163.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 134.57 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 75 Resp: 2676155

Ion Ratio Lower Upper

75 100

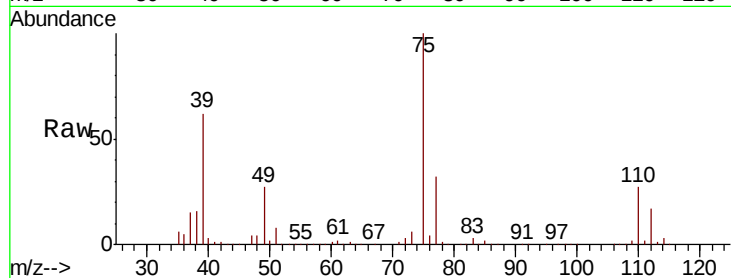
77 32.5 25.6 38.4

Manual Integrations

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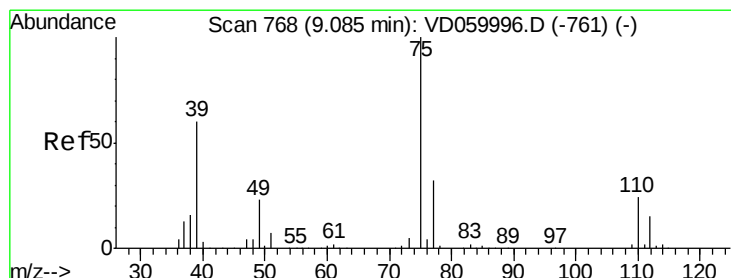
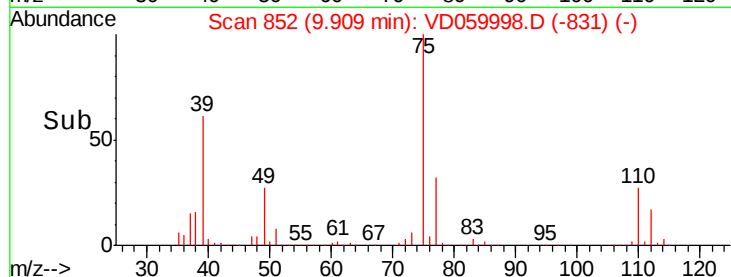
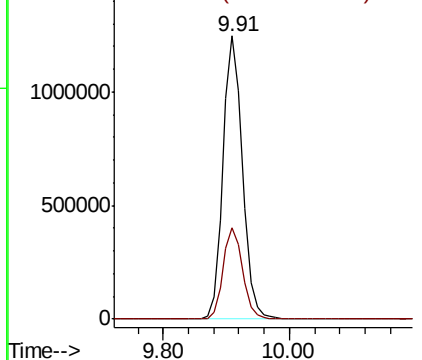
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 139.20 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

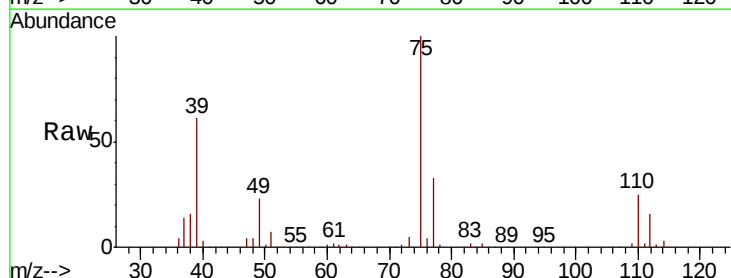
Tgt Ion: 75 Resp: 3250100

Ion Ratio Lower Upper

75 100

77 32.9 25.5 38.3

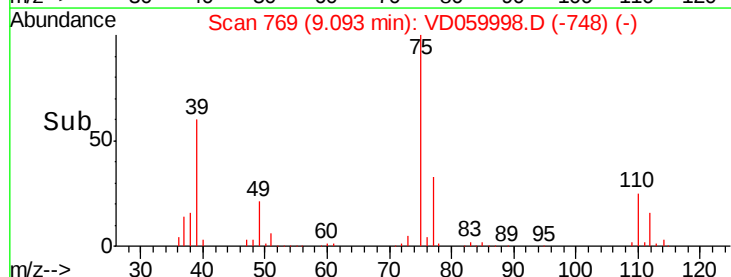
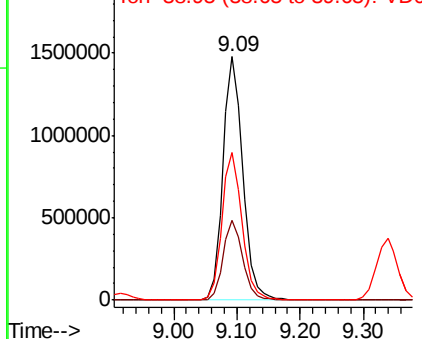
39 60.7 48.0 72.0

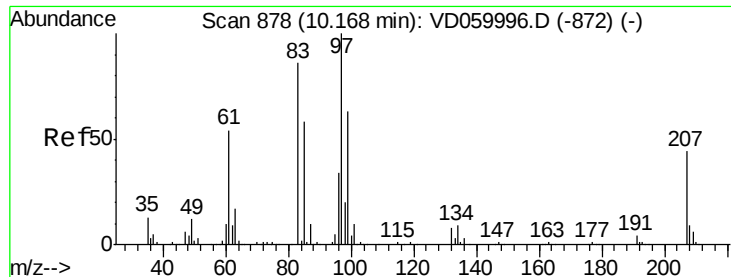


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





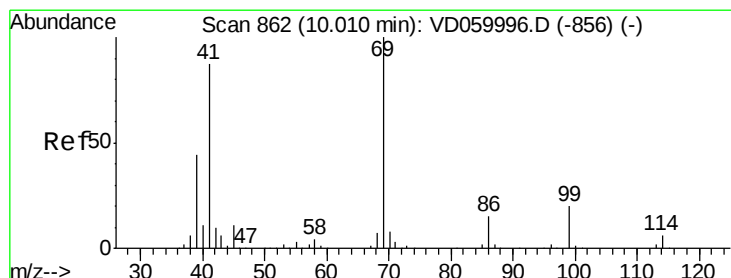
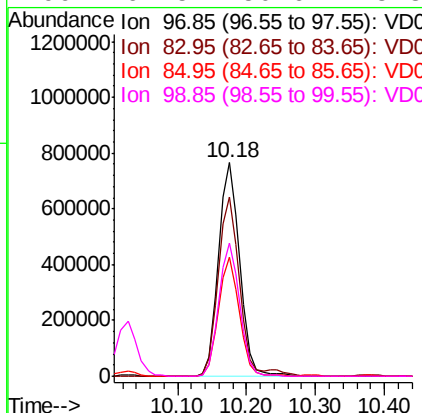
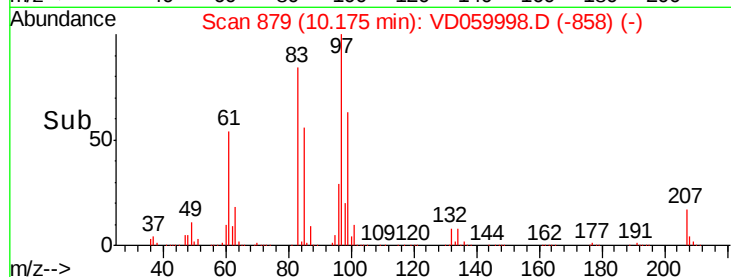
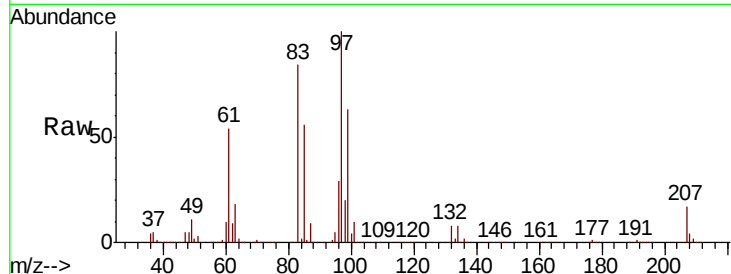
#55
 1,1,2-Trichloroethane
 Concen: 131.20 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDCC150

Tot Ion	97	Resp	1635277
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.1	103.7
85	55.7	46.2	69.4
99	62.5	50.6	75.8

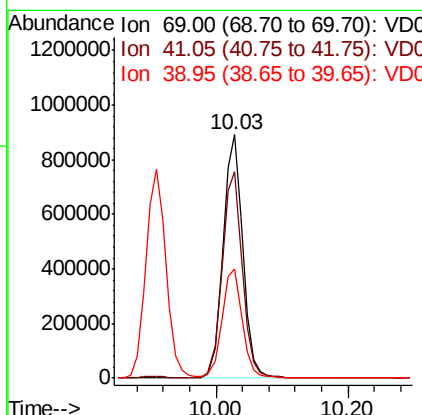
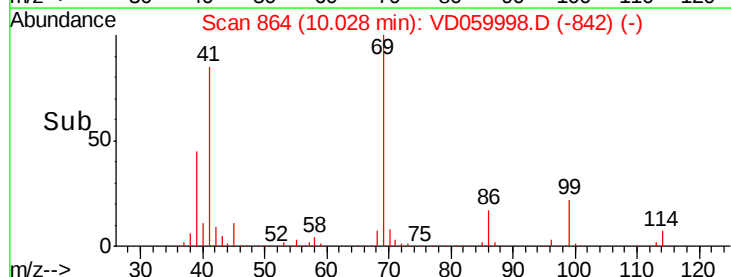
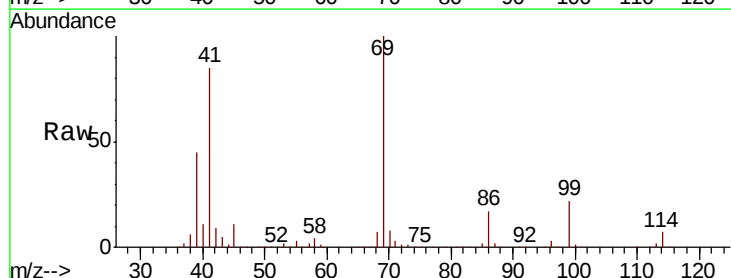
Manual Integrations
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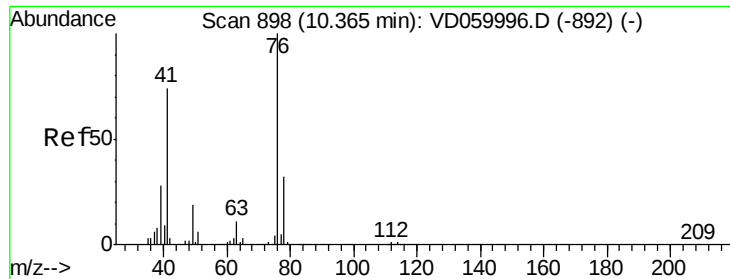
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#56
 Ethyl methacrylate
 Concen: 130.73 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion	69	Resp	1866419
Ion	Ratio	Lower	Upper
69	100		
41	84.6	70.1	105.1
39	44.7	36.5	54.7





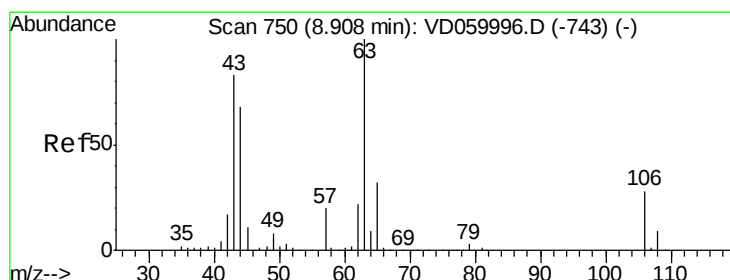
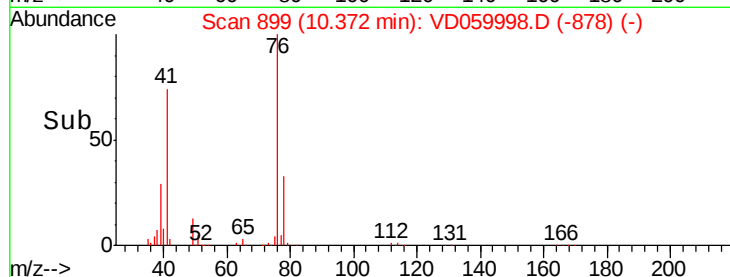
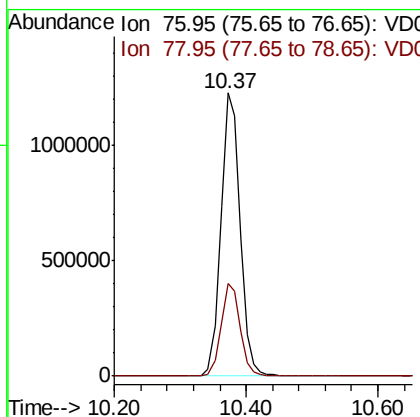
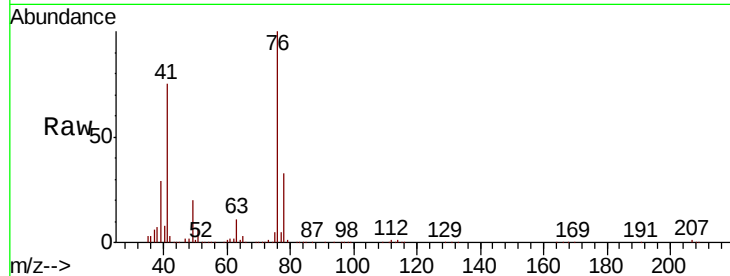
#57
 1,3-Dichloropropane
 Concen: 137.55 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Tot Ion: 76 Resp: 2484679
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.3 37.9

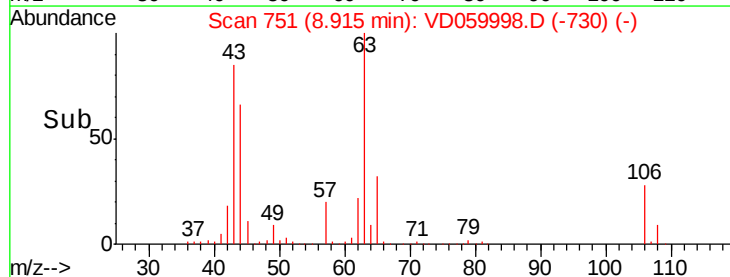
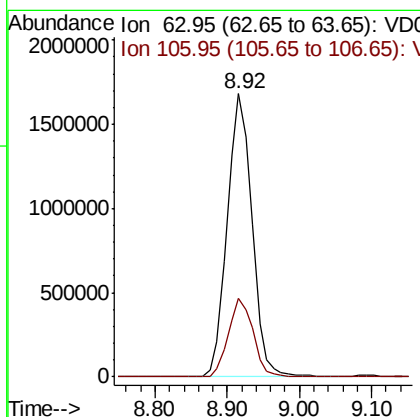
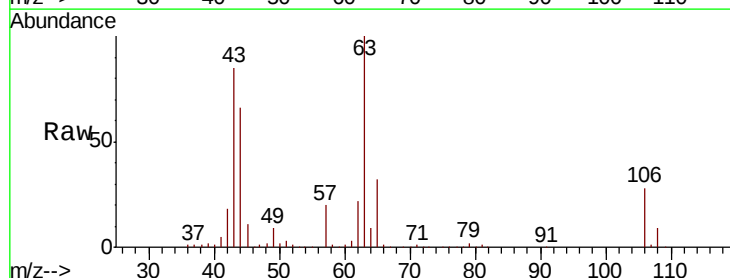
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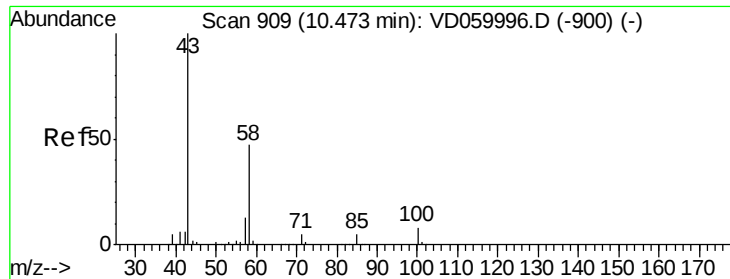
apatel
 9/14/2018 10:58:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 590.19 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 63 Resp: 4036407
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.0 33.0





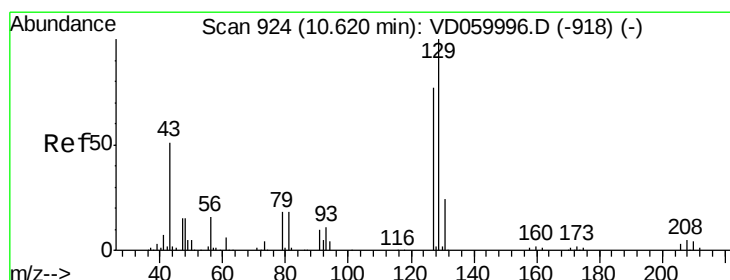
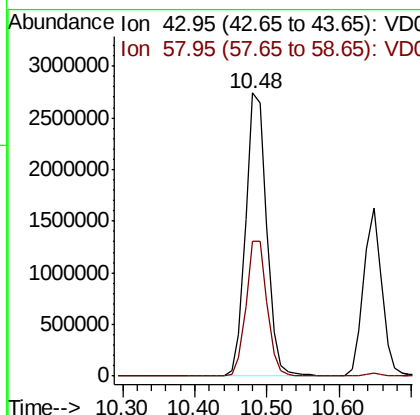
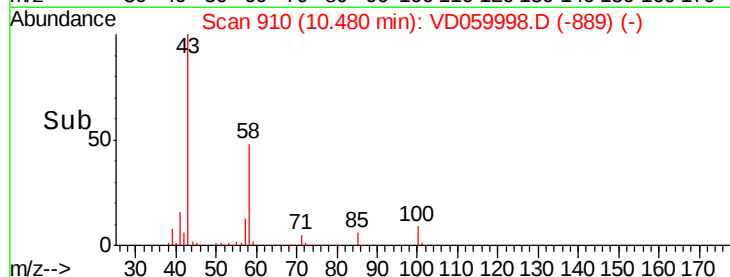
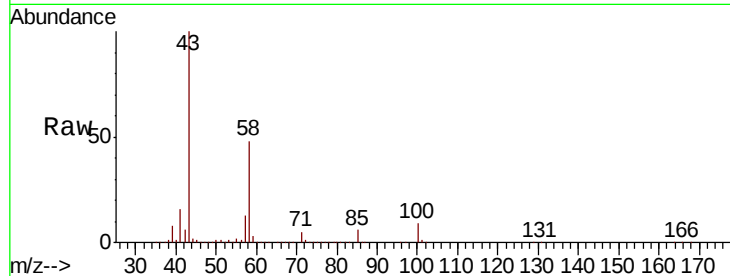
#59
2-Hexanone
Concen: 517.63 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion: 43 Resp: 5594539
Ion Ratio Lower Upper
43 100
58 47.5 23.4 70.0

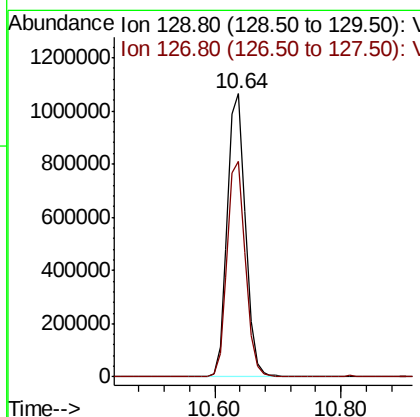
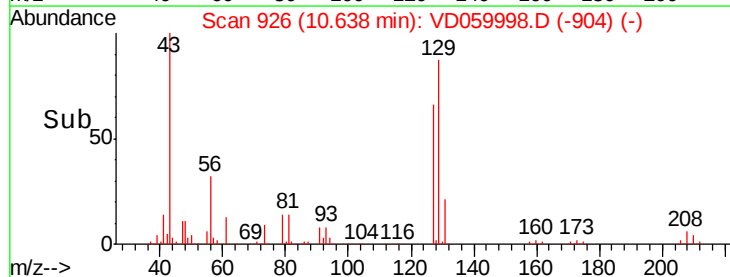
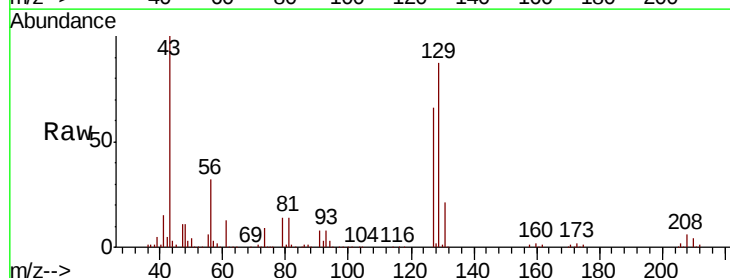
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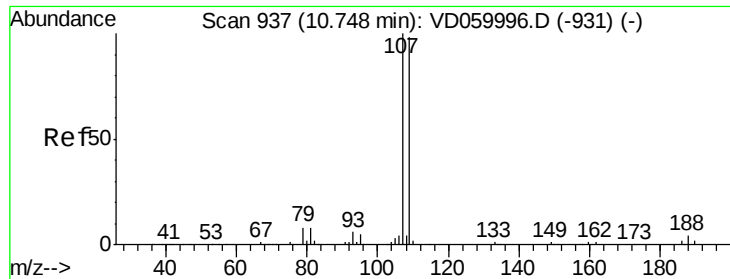
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#60
Dibromochloromethane
Concen: 135.42 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.02 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 129 Resp: 2117852
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 142.63 ug/l

RT: 10.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampled :

VSTDCC150

Tot Ion:107 Resp: 1796165

Ion Ratio Lower Upper

107 100

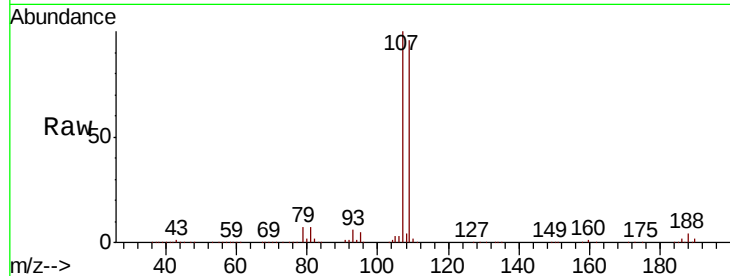
109 96.0 78.2 117.2

Manual Integrations

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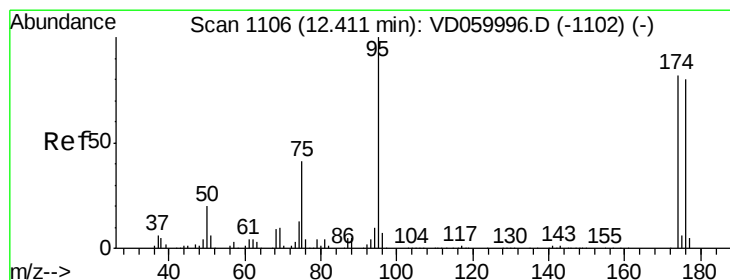
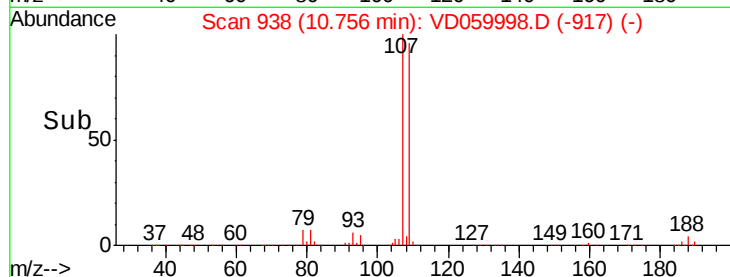
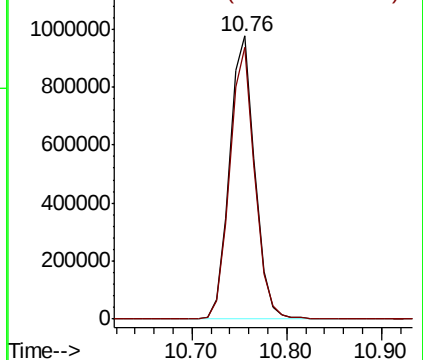
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 142.63 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

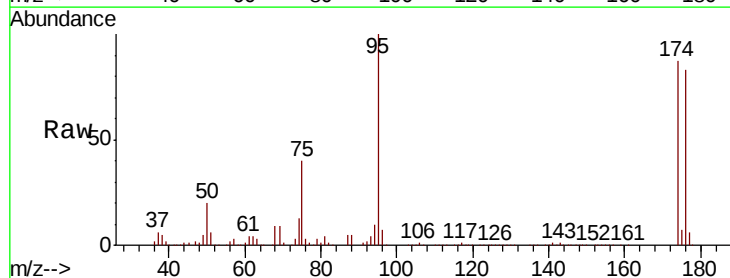
Tgt Ion: 95 Resp: 2318064

Ion Ratio Lower Upper

95 100

174 86.6 0.0 165.0

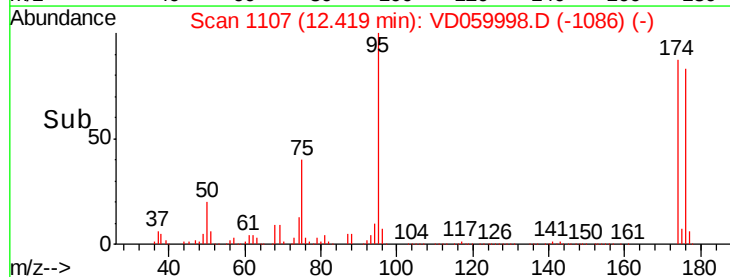
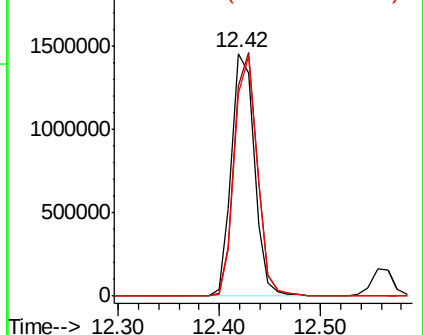
176 83.4 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





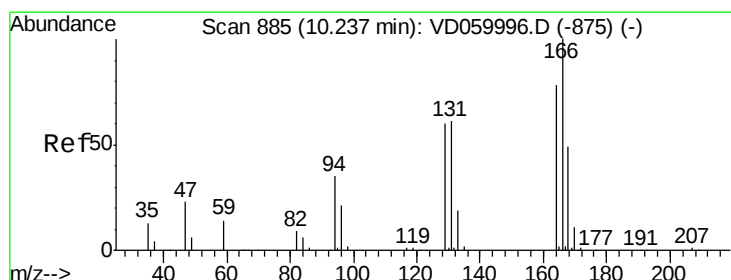
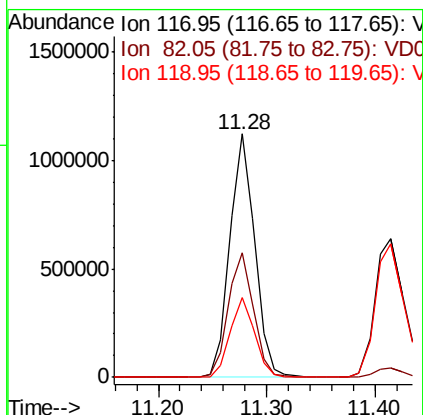
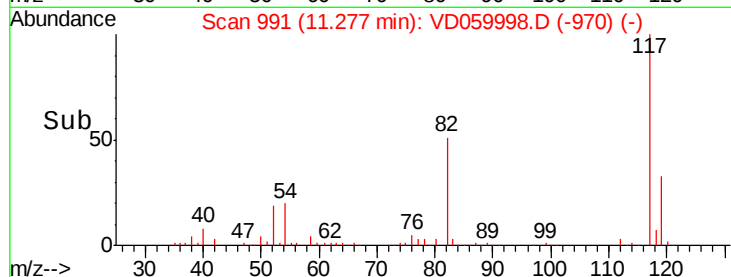
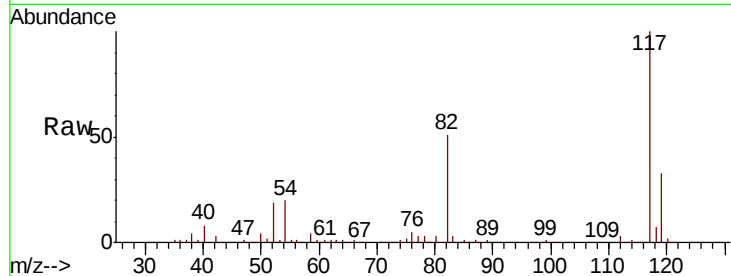
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion:117 Resp: 1805408
Ion Ratio Lower Upper
117 100
82 51.4 41.7 62.5
119 33.0 26.0 39.0

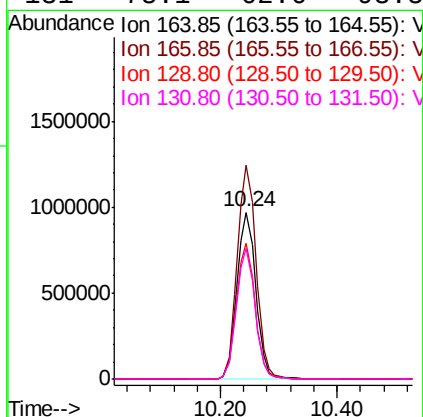
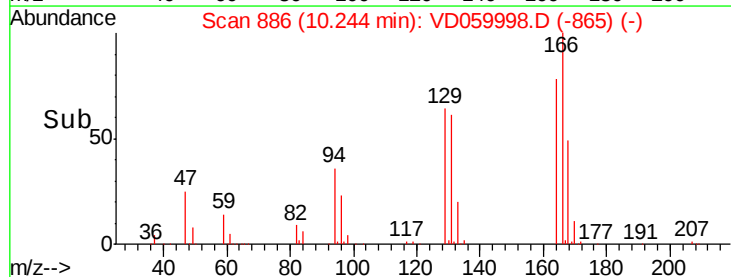
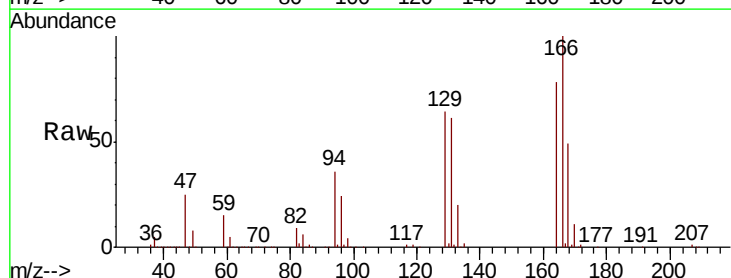
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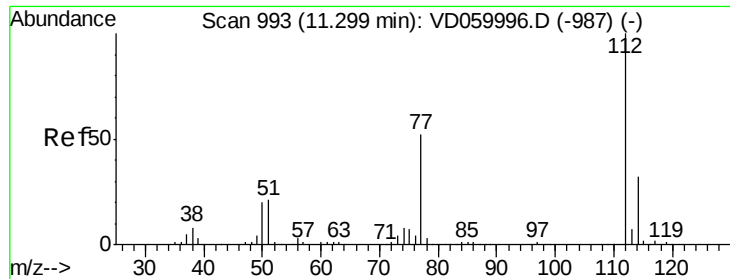
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#64
Tetrachloroethene
Concen: 150.93 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion:164 Resp: 2186267
Ion Ratio Lower Upper
164 100
166 128.2 103.0 154.6
129 81.6 61.9 92.9
131 78.1 62.6 93.8





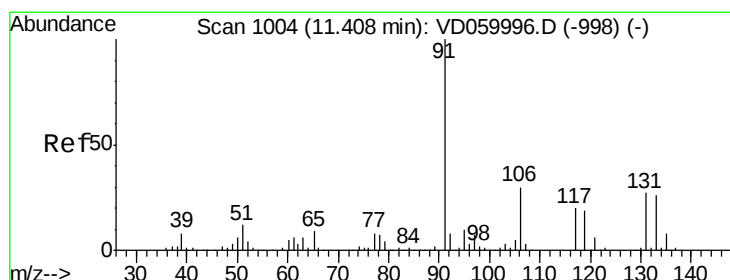
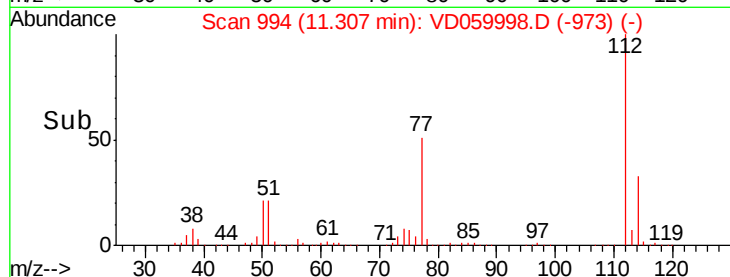
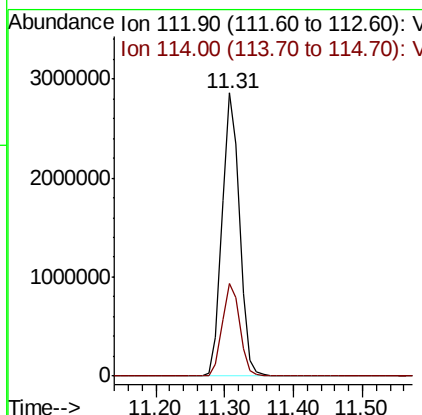
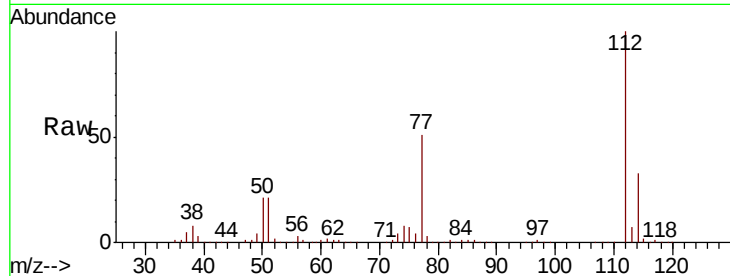
#65
Chlorobenzene
Concen: 136.49 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion:112 Resp: 5026217
Ion Ratio Lower Upper
112 100
114 33.0 25.3 37.9

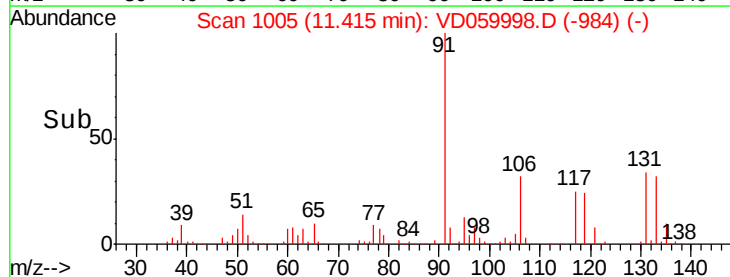
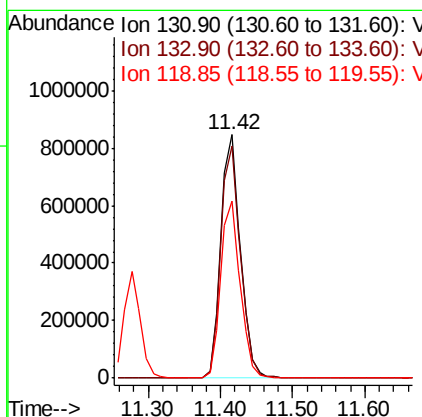
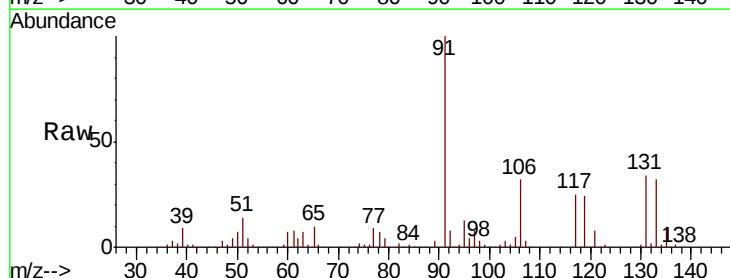
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#66
1,1,1,2-Tetrachloroethane
Concen: 118.74 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion:131 Resp: 1575728
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 72.6 35.6 106.9





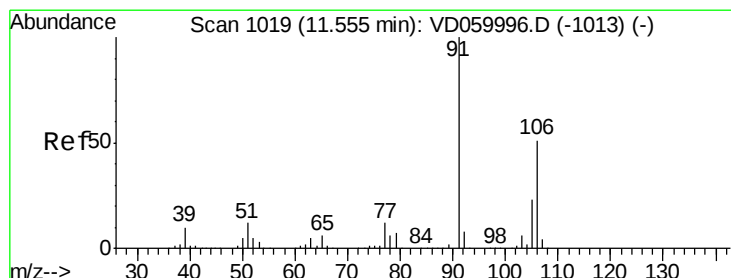
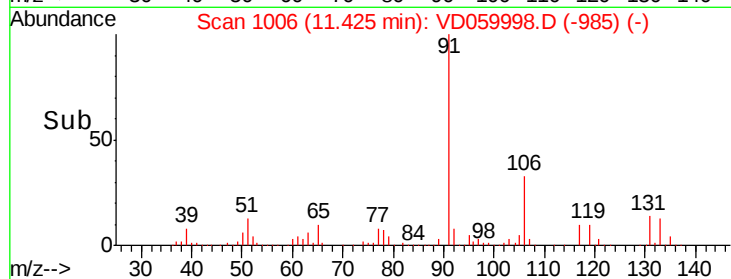
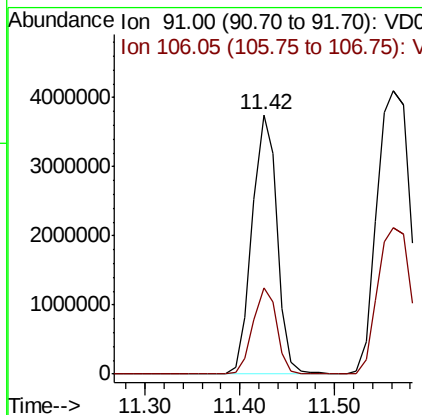
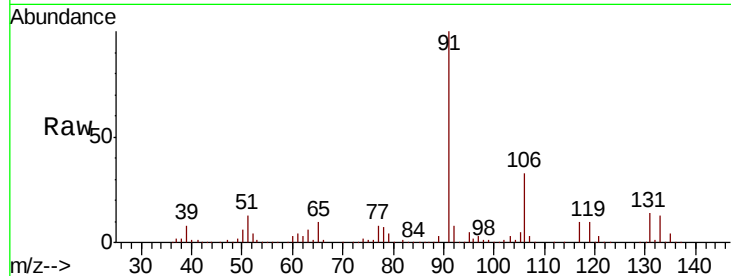
#67
Ethyl Benzene
Concen: 111.78 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion: 91 Resp: 6876372
Ion Ratio Lower Upper
91 100
106 33.0 24.8 37.2

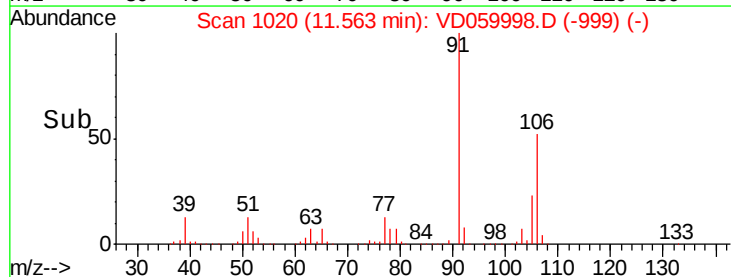
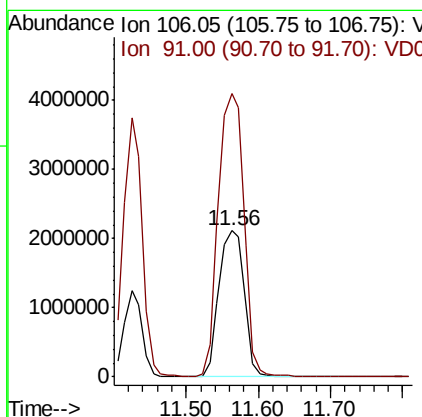
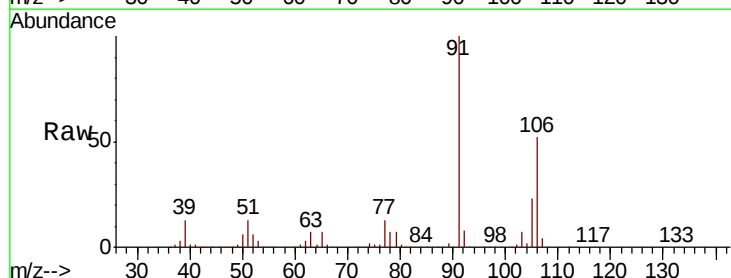
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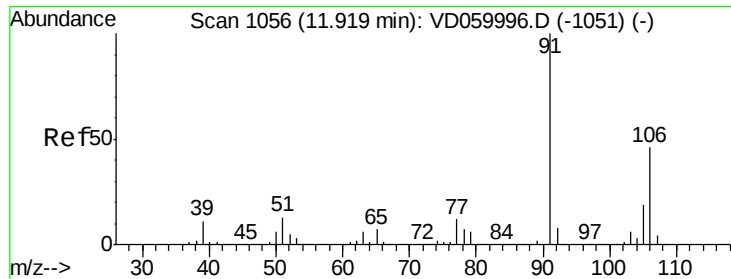
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#68
m/p-Xylenes
Concen: 225.46 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion:106 Resp: 5098974
Ion Ratio Lower Upper
106 100
91 194.0 157.0 235.6





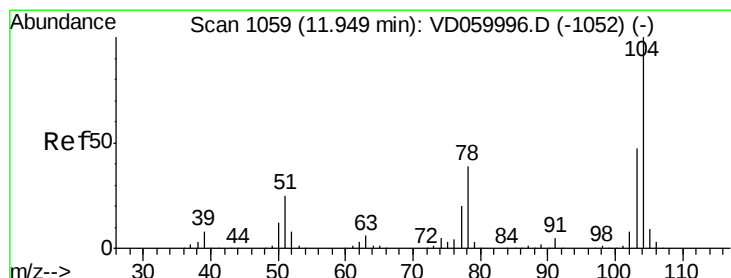
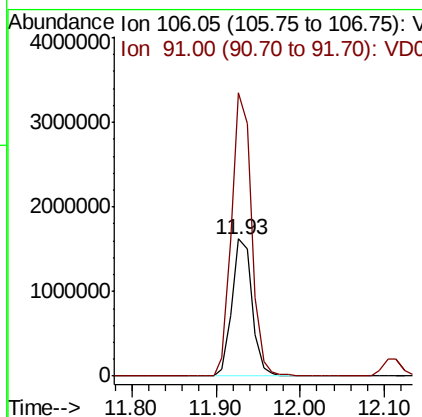
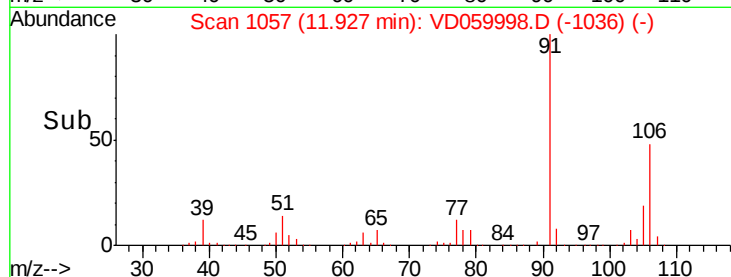
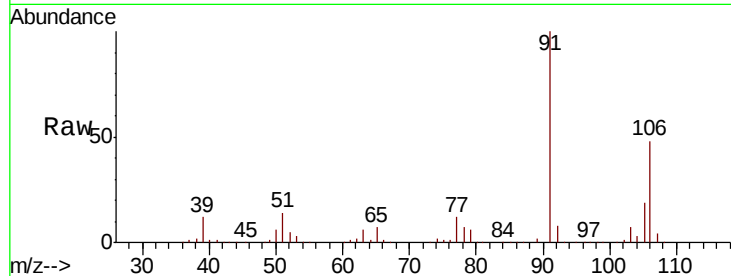
#69
o-Xylene
Concen: 122.23 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion:106 Resp: 2696269
Ion Ratio Lower Upper
106 100
91 206.7 107.7 323.1

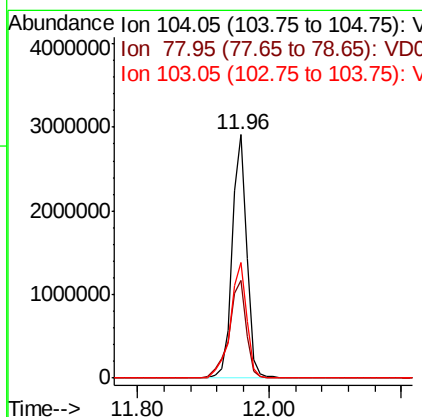
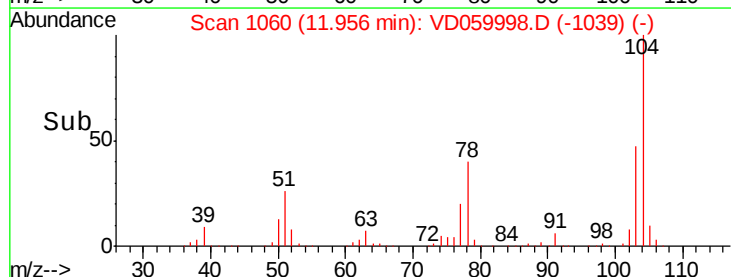
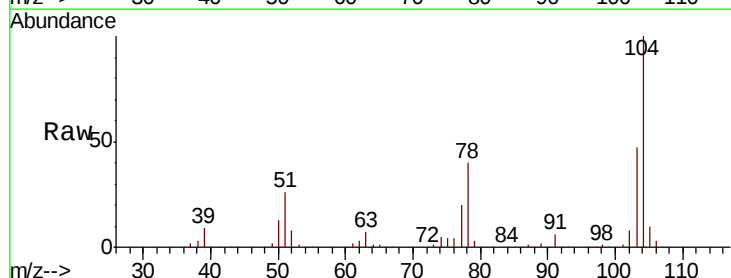
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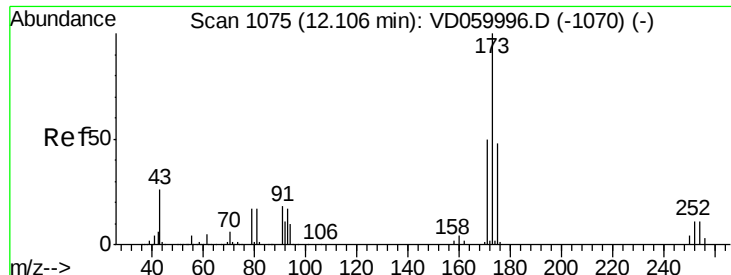
apatel
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#70
Styrene
Concen: 119.17 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion:104 Resp: 4520093
Ion Ratio Lower Upper
104 100
78 40.1 31.0 46.4
103 47.3 37.6 56.4





#71

Bromoform

Concen: 143.11 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion:173 Resp: 1640403

Ion Ratio Lower Upper

173 100

175 49.1 24.0 72.0

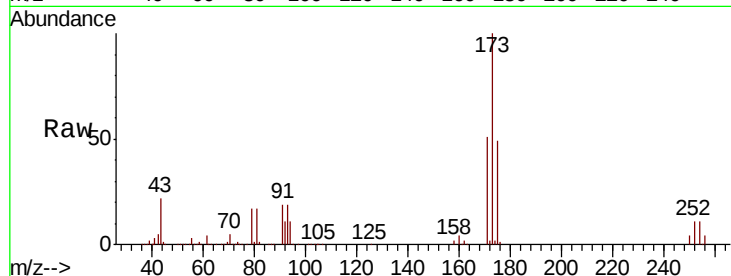
254 11.1 8.6 13.0

Manual Integrations

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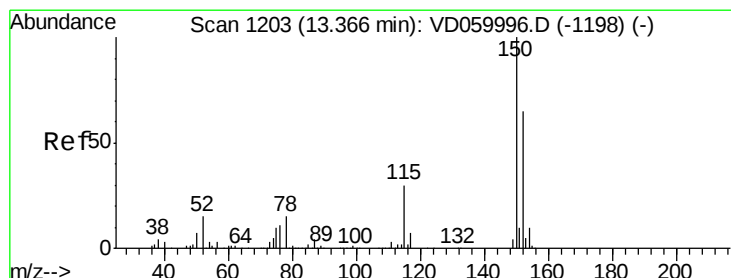
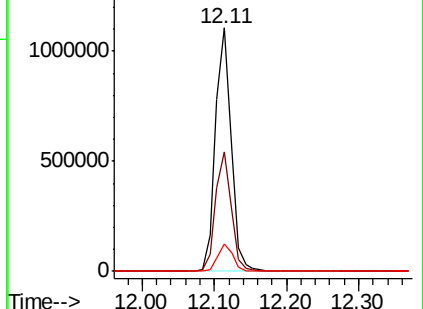
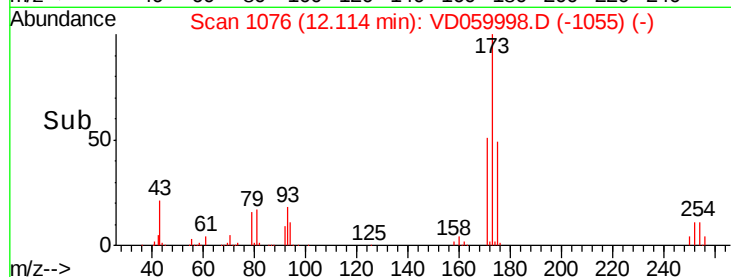
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

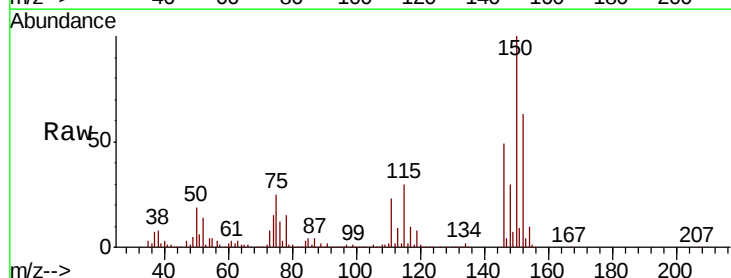
Tgt Ion:152 Resp: 915420

Ion Ratio Lower Upper

152 100

115 48.0 24.6 73.8

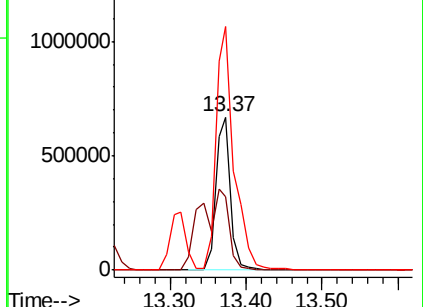
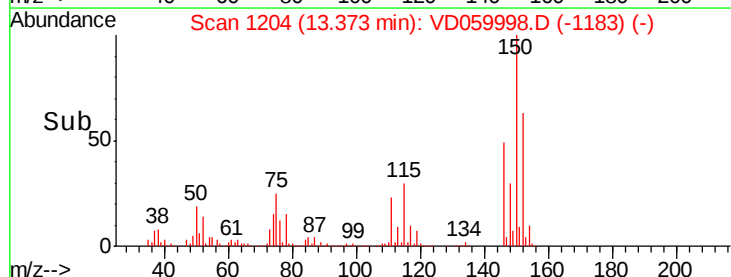
150 159.2 0.0 313.4

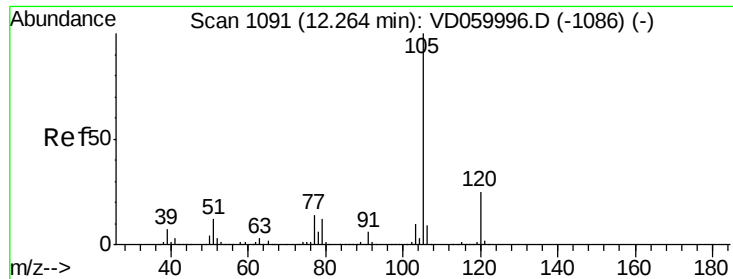


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 122.58 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion:105 Resp: 7299039

Ion Ratio Lower Upper

105 100

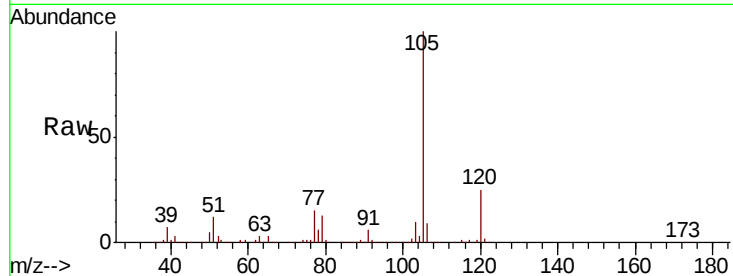
120 24.6 12.3 36.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

5000000

4000000

3000000

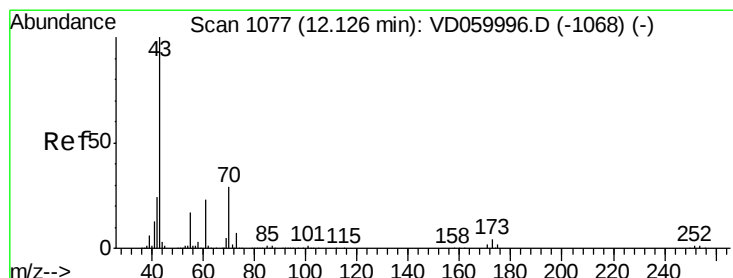
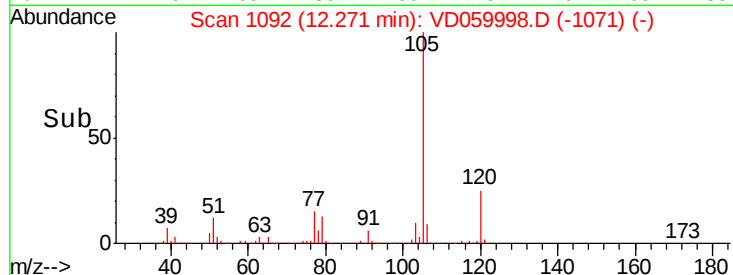
2000000

1000000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 123.21 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Tgt Ion: 43 Resp: 3133439

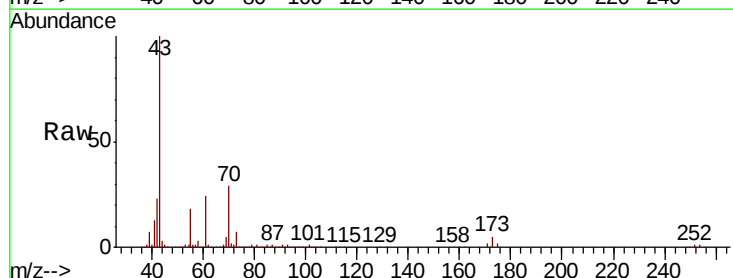
Ion Ratio Lower Upper

43 100

70 29.1 22.9 34.3

55 18.2 14.0 21.0

61 24.3 18.7 28.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

3000000

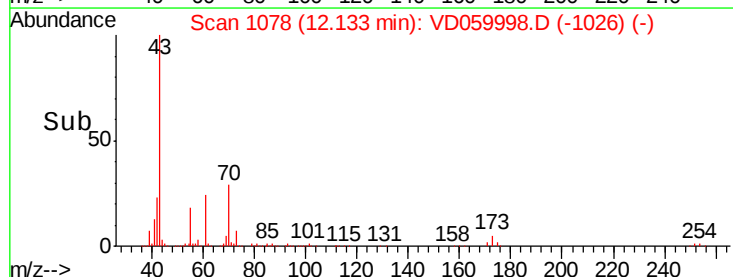
2000000

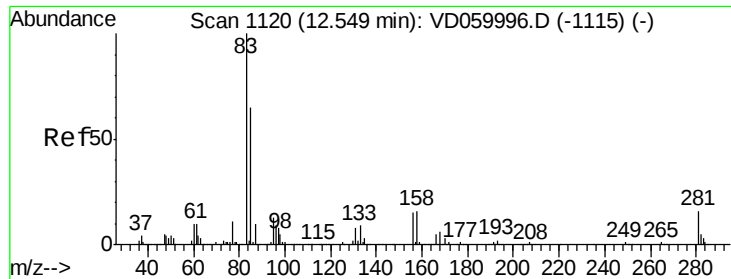
1000000

0

12.00 12.10 12.20

Time-->





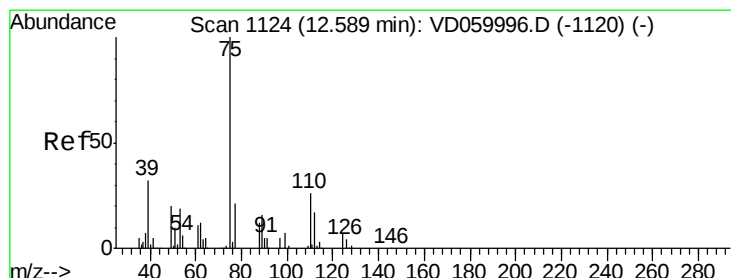
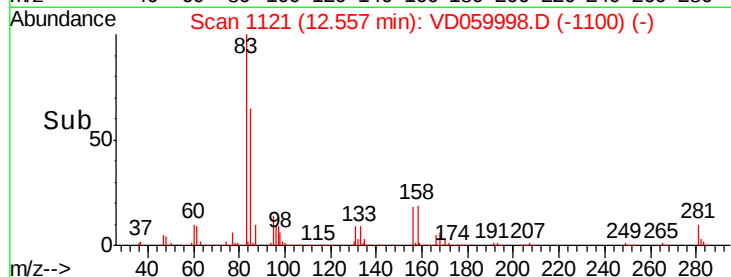
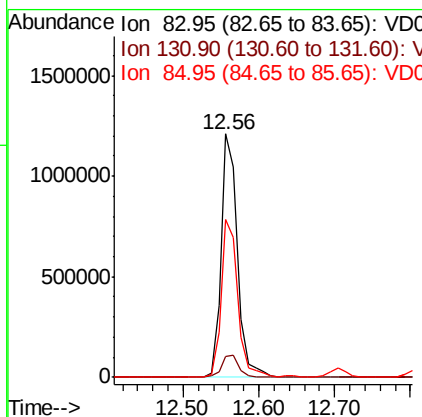
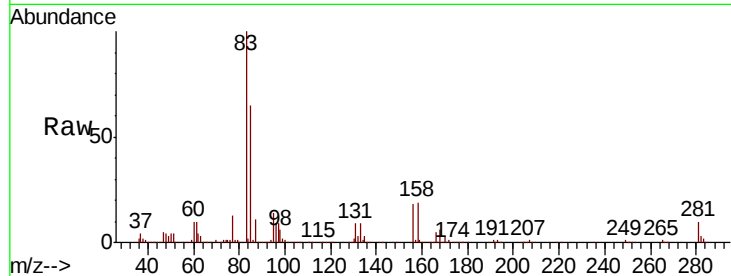
#75
 1,1,2,2-Tetrachloroethane
 Concen: 133.56 ug/l
 RT: 12.56 min Scan# 1121
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Tot Ion	83	Resp	1827880
Ion Ratio	100	Lower	Upper
83	100		
131	8.5	4.1	12.3
85	64.8	32.4	97.2

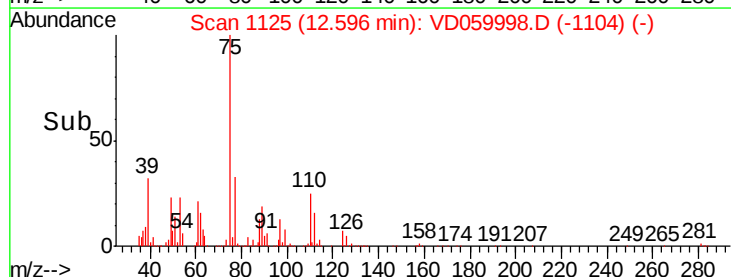
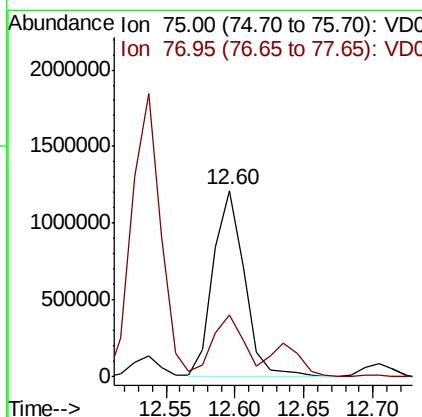
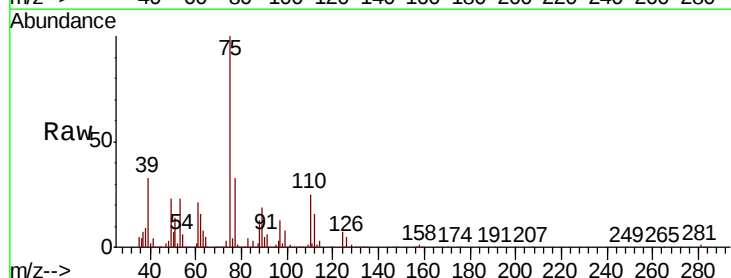
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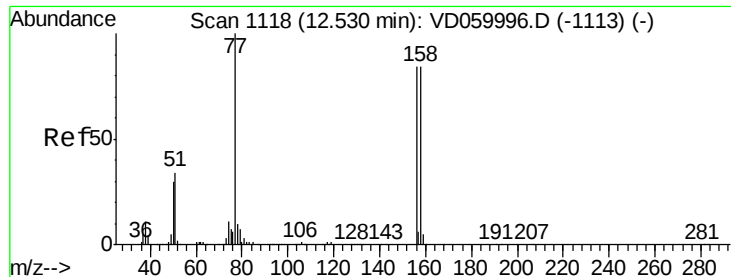
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#76
 1,2,3-Trichloropropane
 Concen: 133.29 ug/l
 RT: 12.60 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion	75	Resp	1900150
Ion Ratio	100	Lower	Upper
75	100		
77	33.1	16.4	49.4





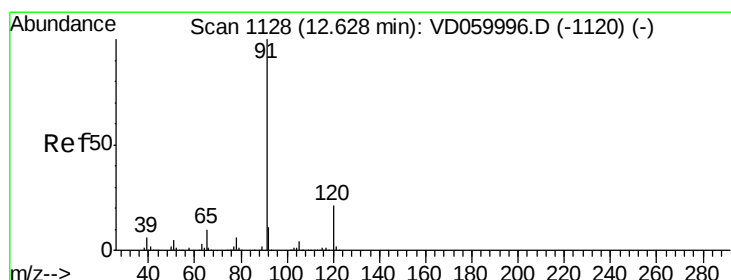
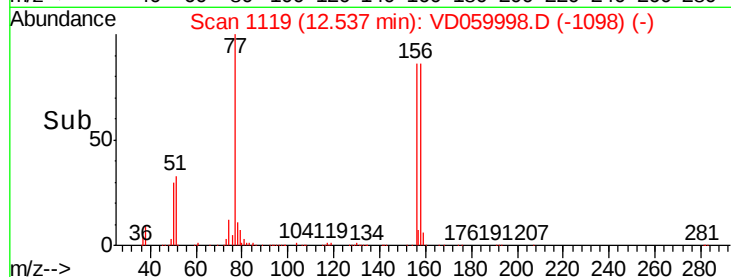
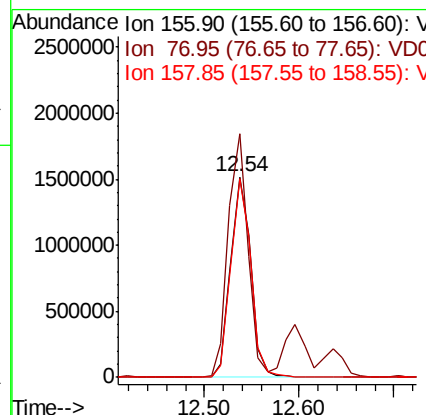
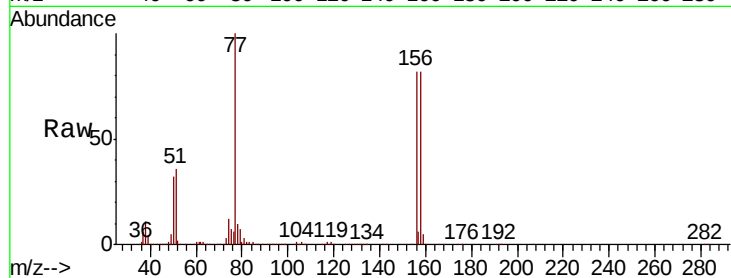
#77
Bromobenzene
Concen: 136.38 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion:156 Resp: 2249312
Ion Ratio Lower Upper
156 100
77 121.5 59.5 178.4
158 99.2 50.0 149.8

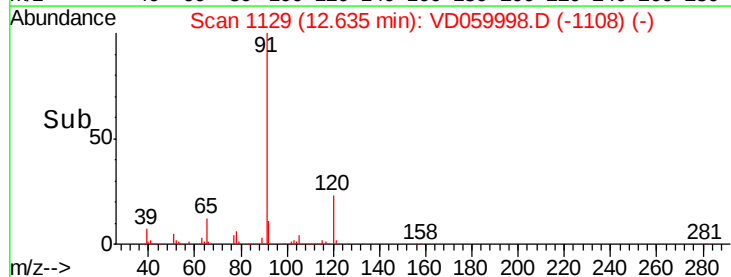
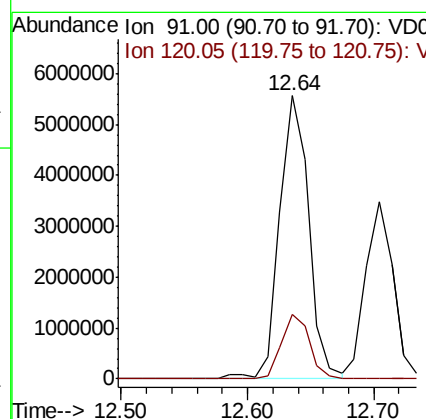
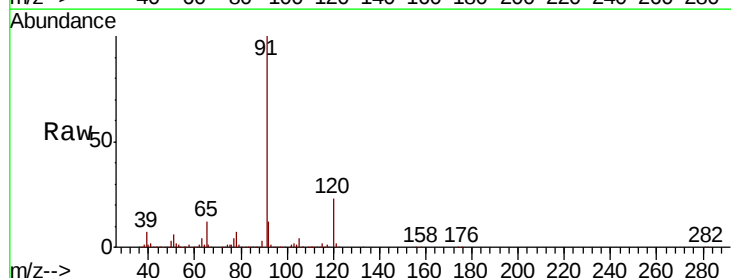
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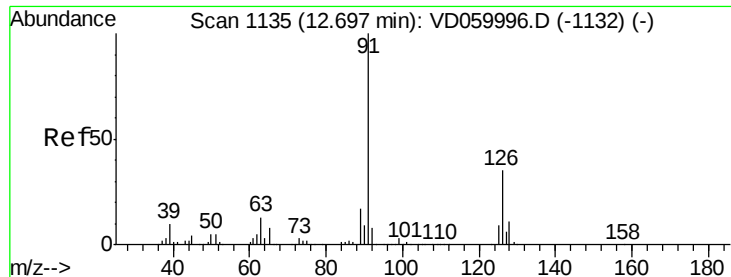
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#78
n-propylbenzene
Concen: 118.71 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 91 Resp: 8910610
Ion Ratio Lower Upper
91 100
120 22.7 10.7 31.9





#79

2-Chlorotoluene

Concen: 124.65 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion: 91 Resp: 5284120

Ion Ratio Lower Upper

91 100

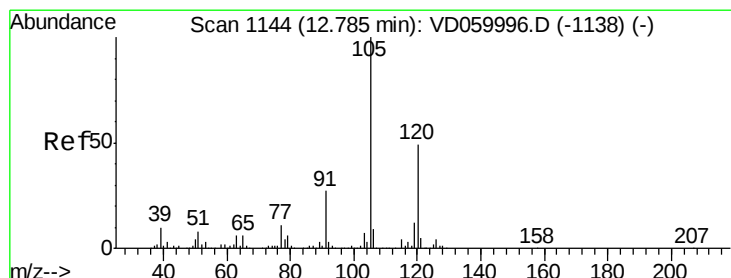
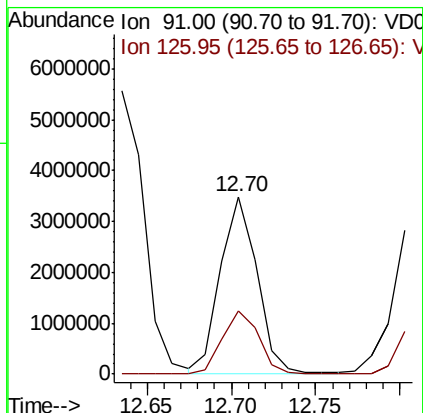
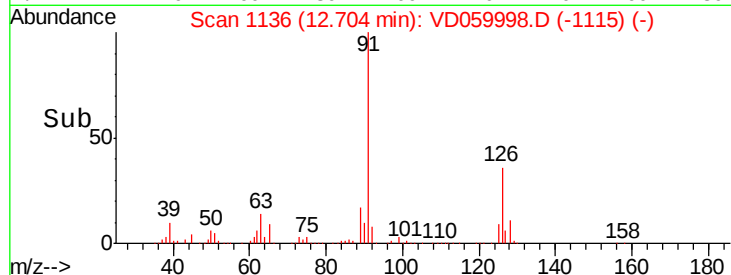
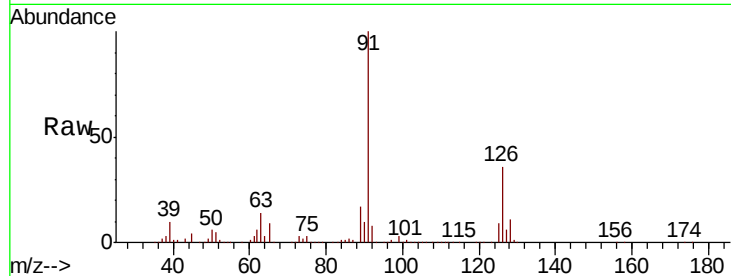
126 35.7 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 110.58 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD059998.D

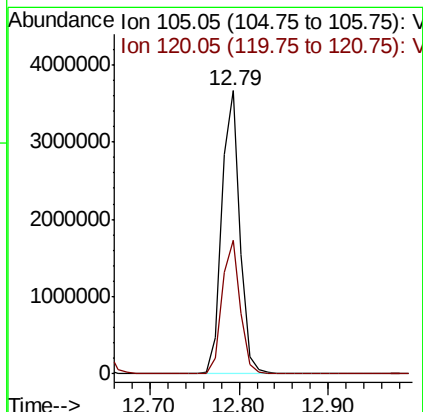
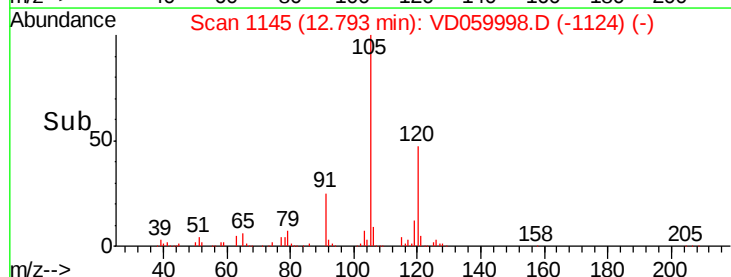
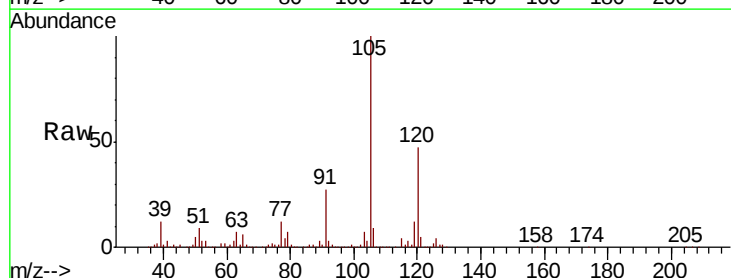
Acq: 13 Sep 2018 15:31

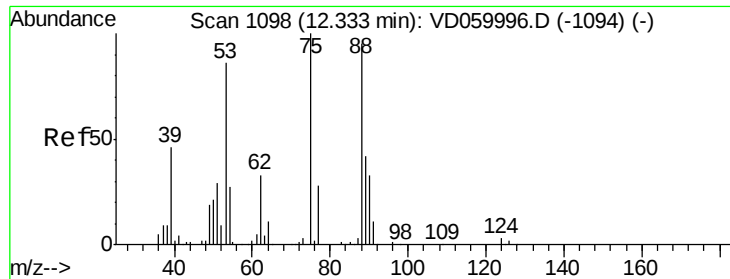
Tgt Ion:105 Resp: 5210862

Ion Ratio Lower Upper

105 100

120 47.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 141.91 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

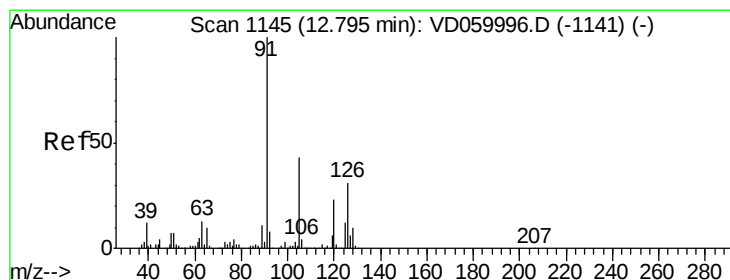
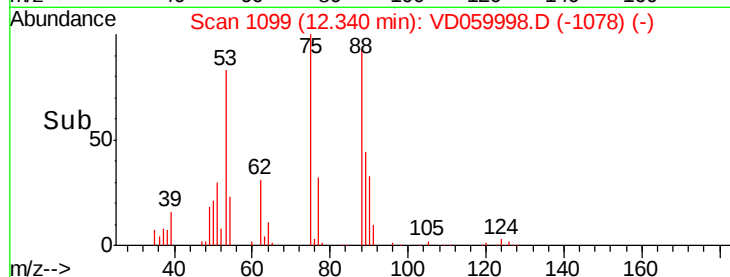
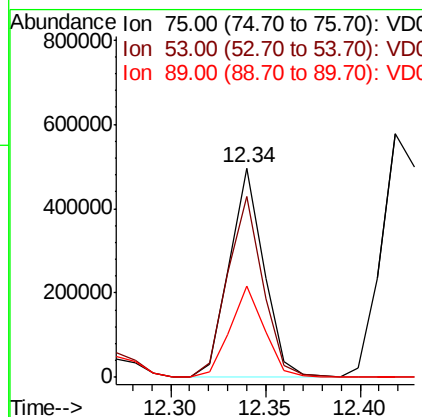
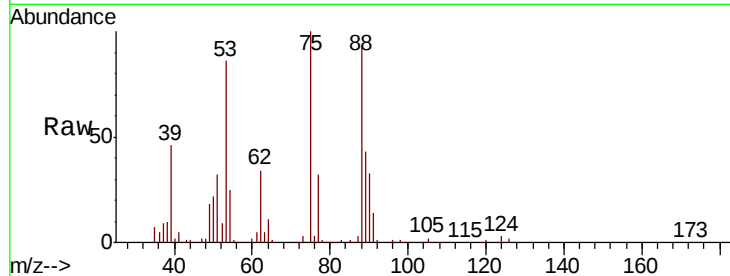
ClientSampleId :

VSTDCC150

Tot Ion:	75	Resp:	624575
Ion	Ratio	Lower	Upper
75	100		
53	86.4	68.4	102.6
89	43.4	33.8	50.6

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#82

4-Chlorotoluene

Concen: 106.56 ug/l

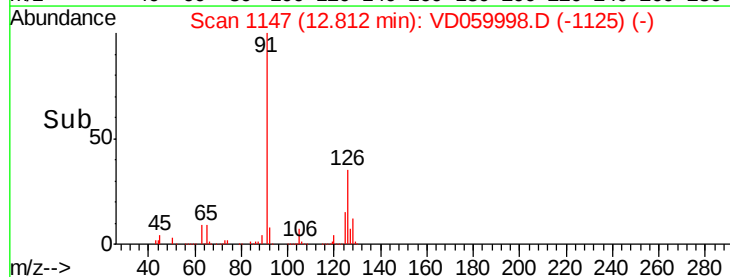
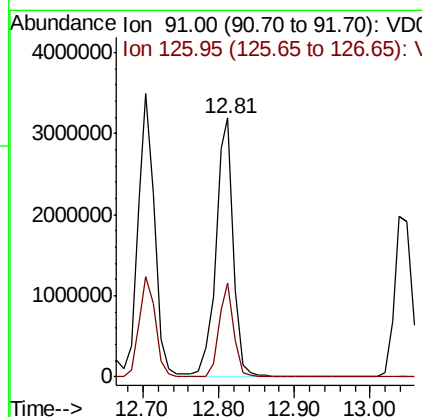
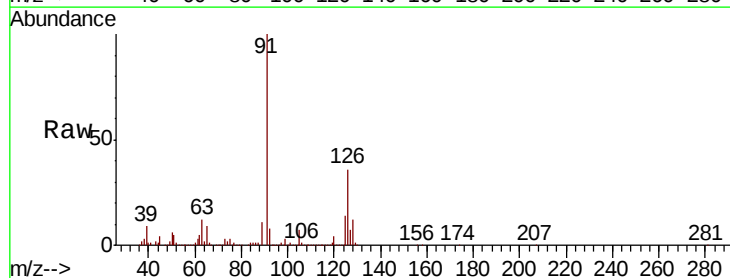
RT: 12.81 min Scan# 1147

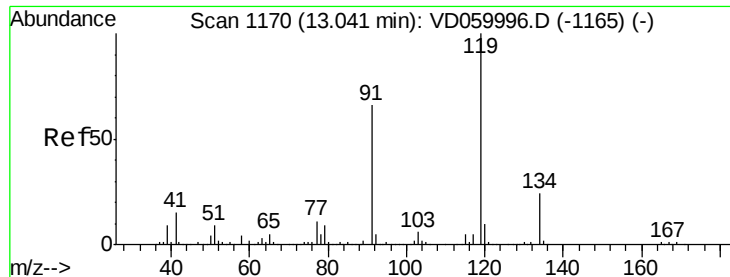
Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Tgt Ion:	91	Resp:	5121531
Ion	Ratio	Lower	Upper
91	100		
126	36.2	15.4	46.1





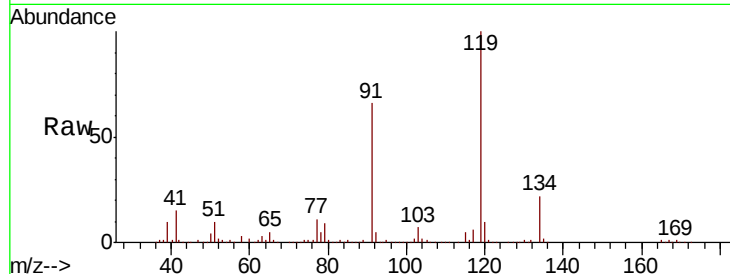
#83
 tert-Butylbenzene
 Concen: 119.64 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

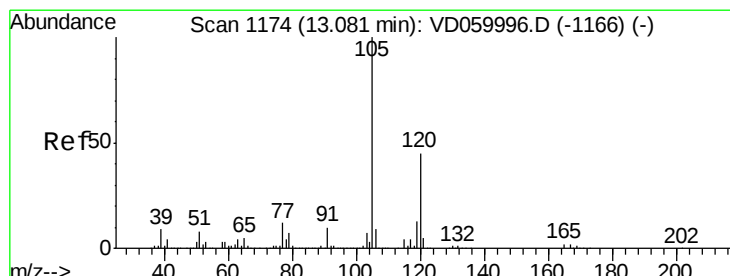
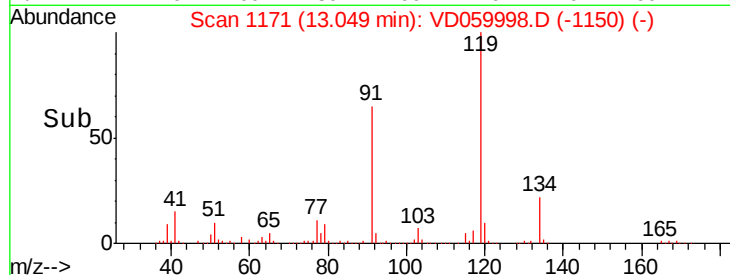
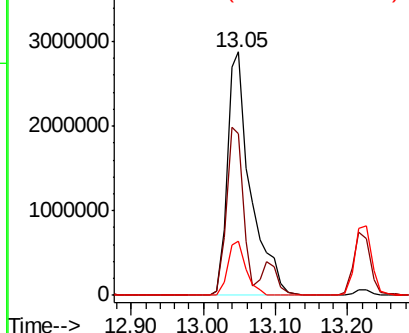
Tot Ion:119 Resp: 6403328
 Ion Ratio Lower Upper
 119 100
 91 66.5 32.9 98.6
 134 22.3 12.0 36.0

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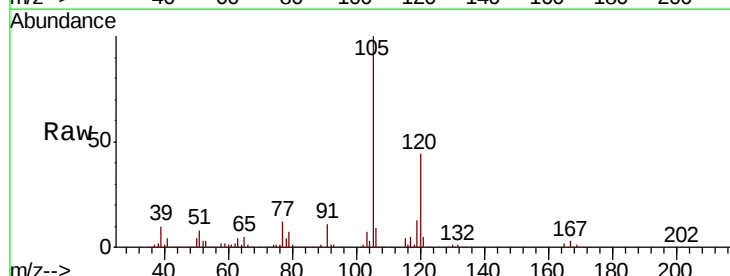


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

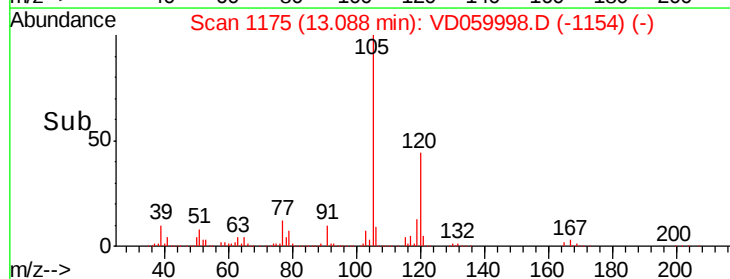
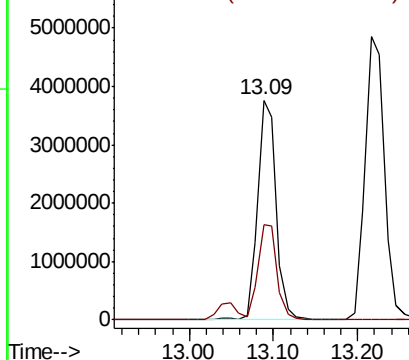


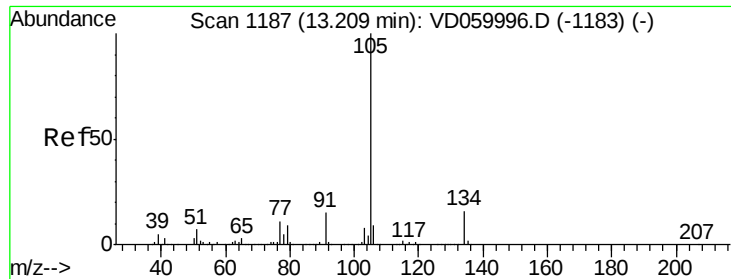
#84
 1,2,4-Trimethylbenzene
 Concen: 119.95 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion:105 Resp: 5869978
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





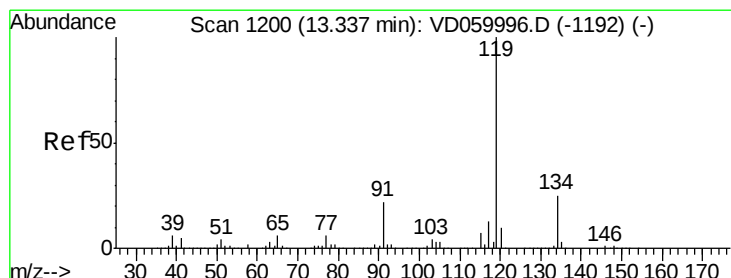
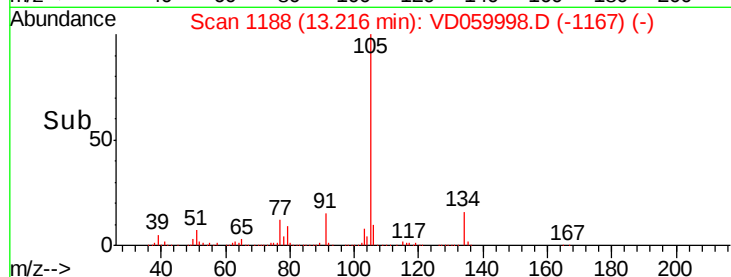
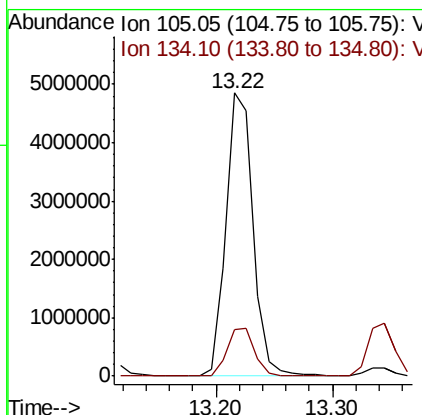
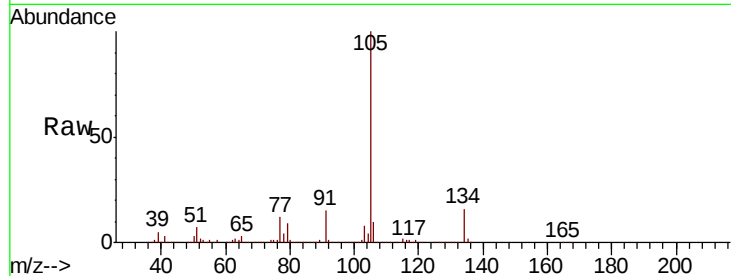
#85
 sec-Butylbenzene
 Concen: 123.66 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCC150

Tot Ion:105 Resp: 7765328
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.2 24.6

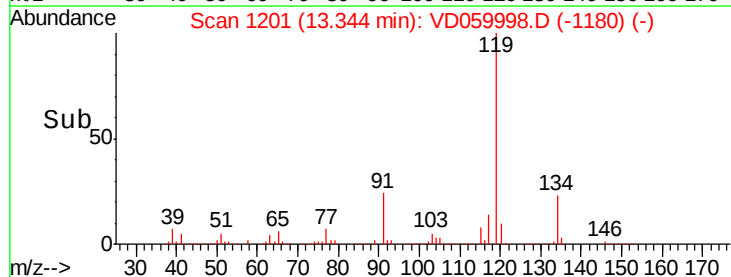
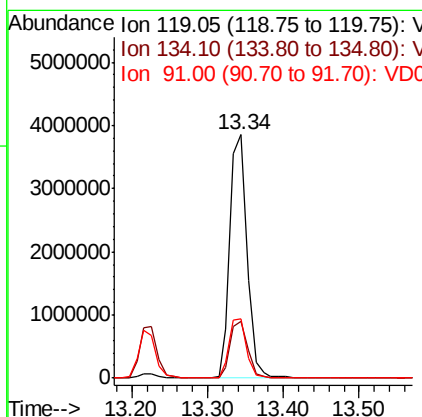
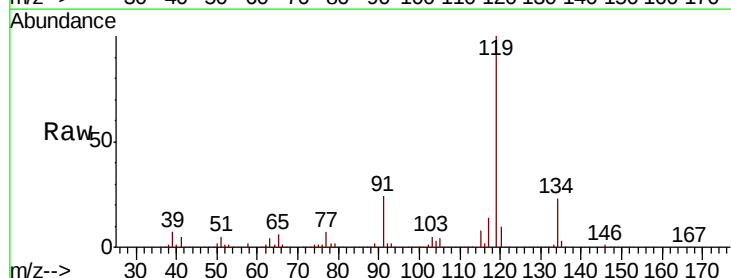
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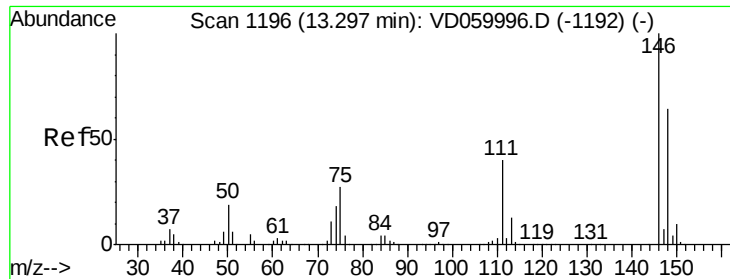
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#86
 p-Isopropyltoluene
 Concen: 116.66 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion:119 Resp: 6014657
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.8 38.3
 91 24.2 11.1 33.3





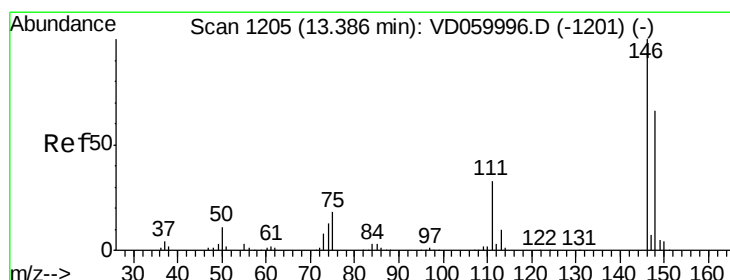
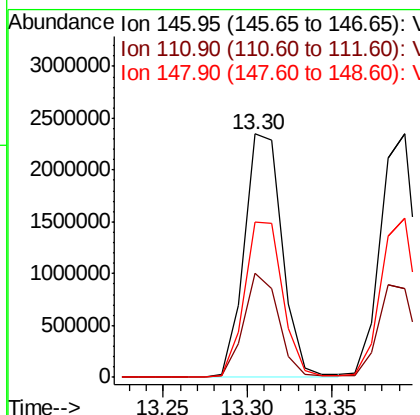
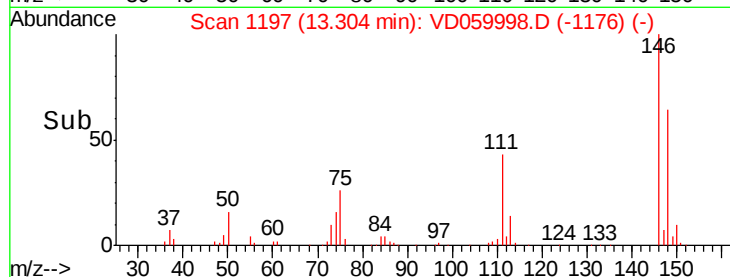
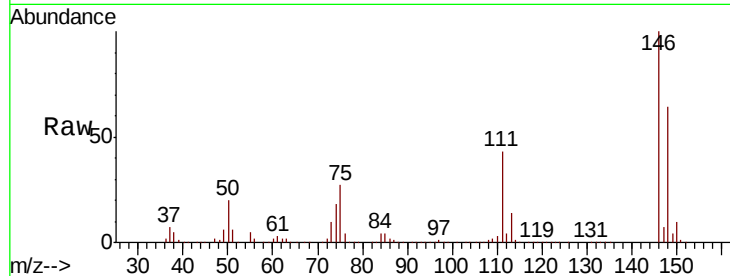
#87
 1,3-Dichlorobenzene
 Concen: 124.63 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Tot Ion:146 Resp: 3667156
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.2 60.5
 148 64.0 32.0 96.2

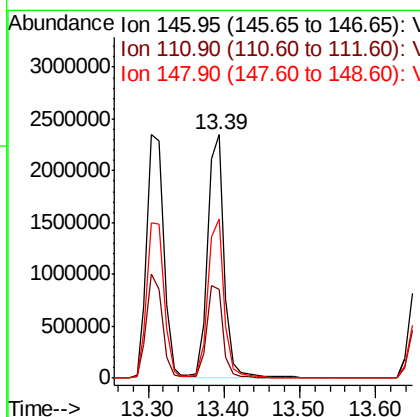
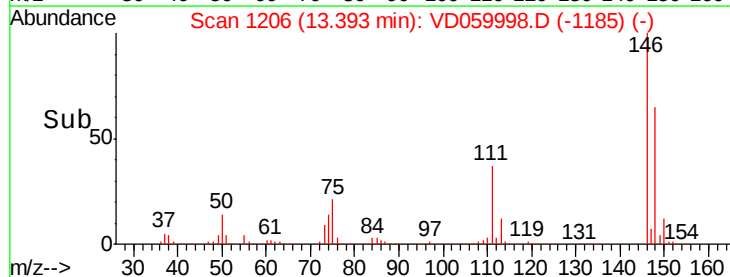
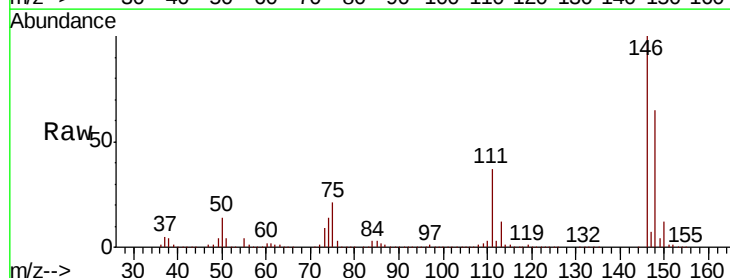
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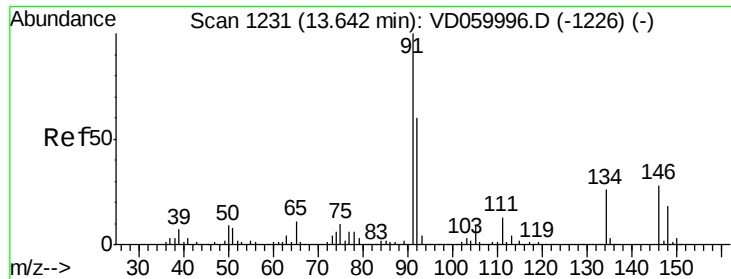
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#88
 1,4-Dichlorobenzene
 Concen: 121.54 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion:146 Resp: 3581134
 Ion Ratio Lower Upper
 146 100
 111 36.5 16.7 50.0
 148 65.4 32.9 98.6





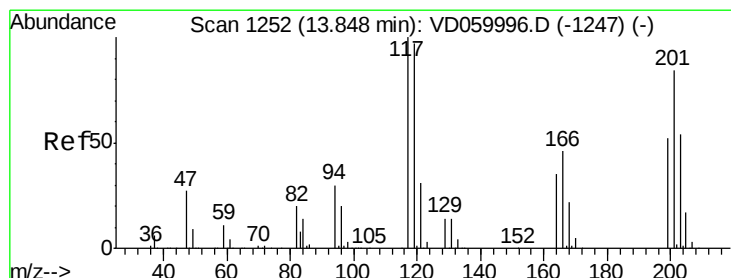
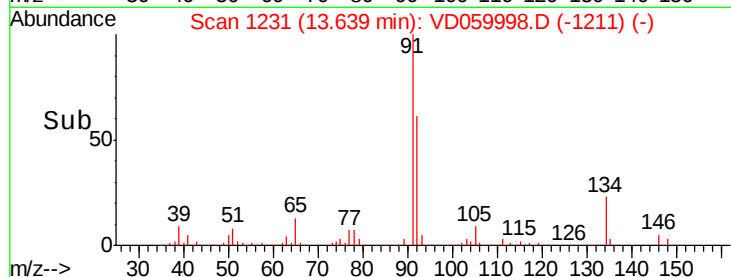
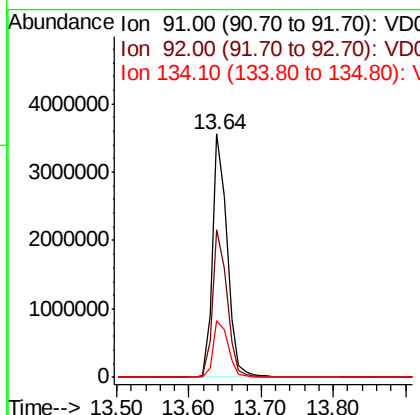
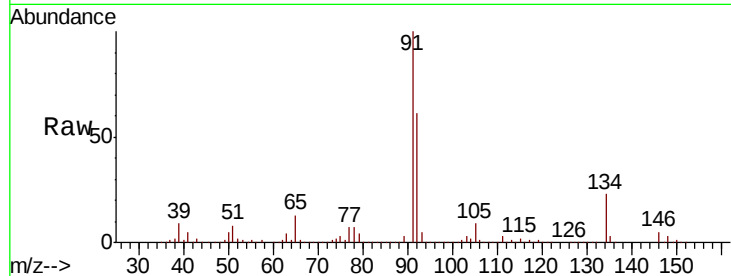
#89
n-Butylbenzene
Concen: 95.95 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC150

Tot Ion: 91 Resp: 4941411
Ion Ratio Lower Upper
91 100
92 60.6 29.8 89.3
134 23.1 13.2 39.6

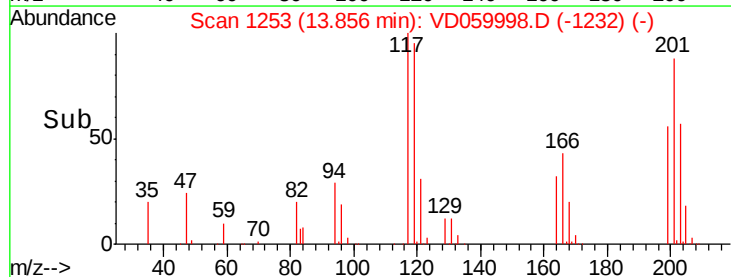
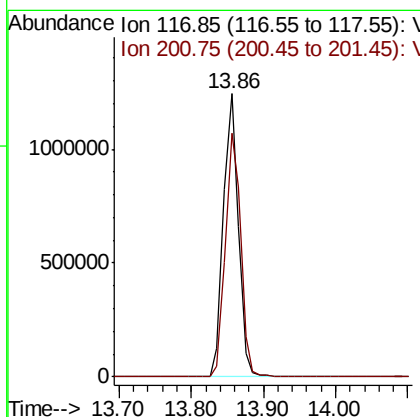
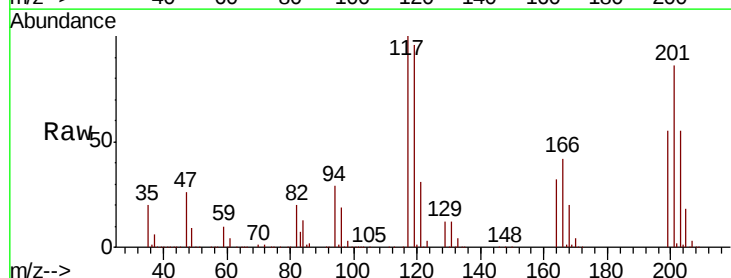
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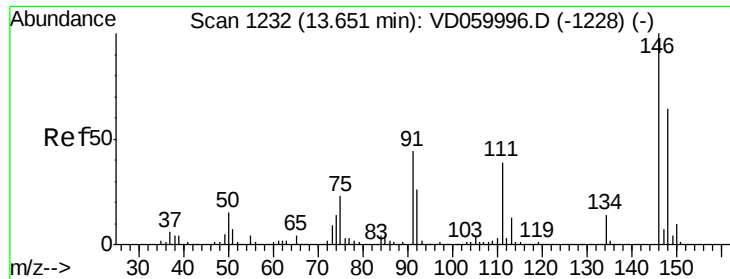
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#90
Hexachloroethane
Concen: 129.74 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 117 Resp: 1771700
Ion Ratio Lower Upper
117 100
201 86.2 42.1 126.4





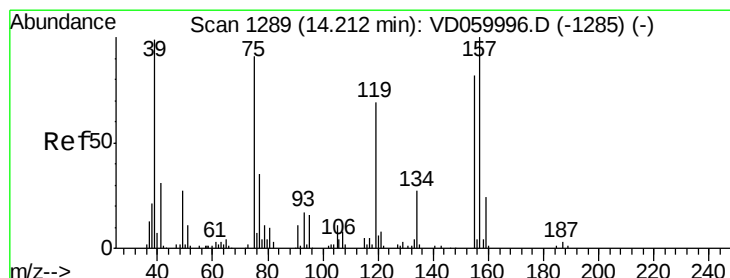
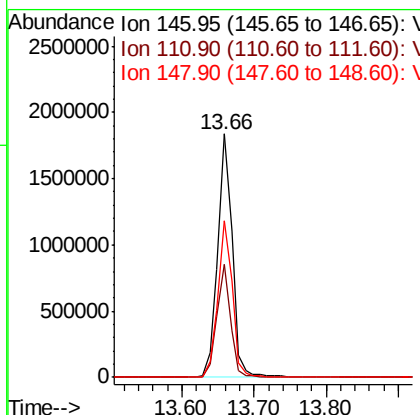
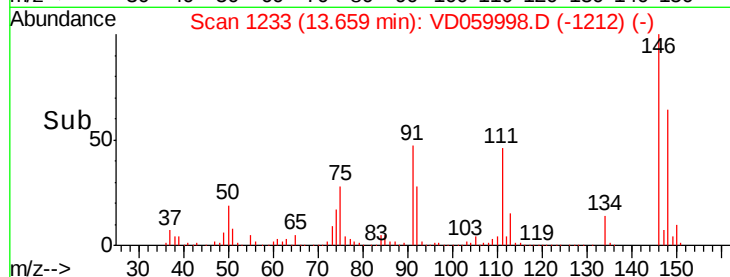
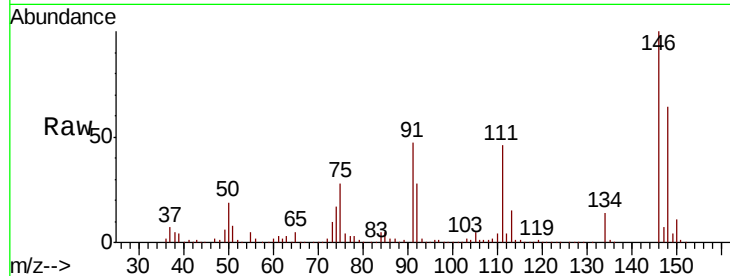
#91
 1,2-Dichlorobenzene
 Concen: 100.41 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCC150

Tot Ion: 146 Resp: 2490182
 Ion Ratio Lower Upper
 146 100
 111 46.3 19.6 58.7
 148 64.3 31.9 95.7

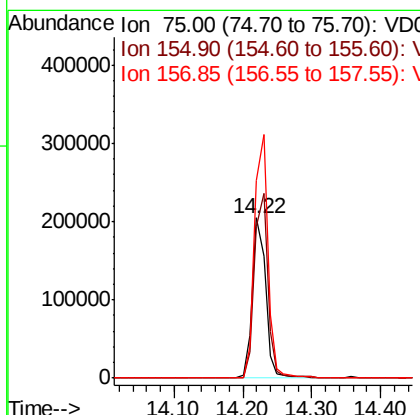
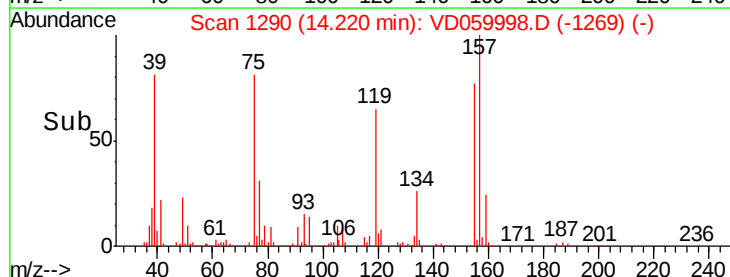
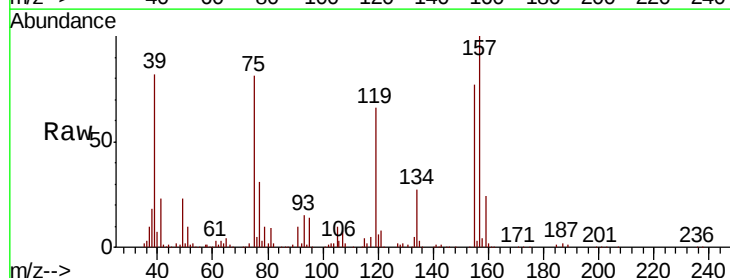
Manual Integrations
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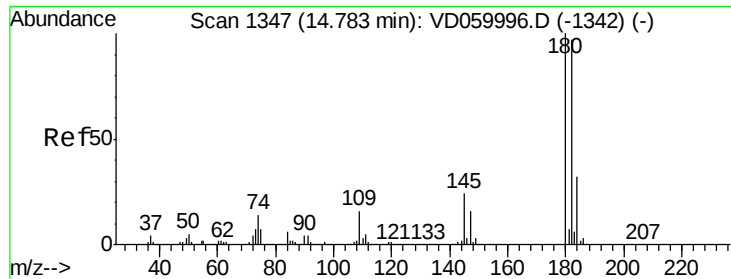
apatel
 9/14/2018 10:58:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 134.78 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 75 Resp: 275833
 Ion Ratio Lower Upper
 75 100
 155 94.4 44.7 134.1
 157 123.0 54.7 164.1





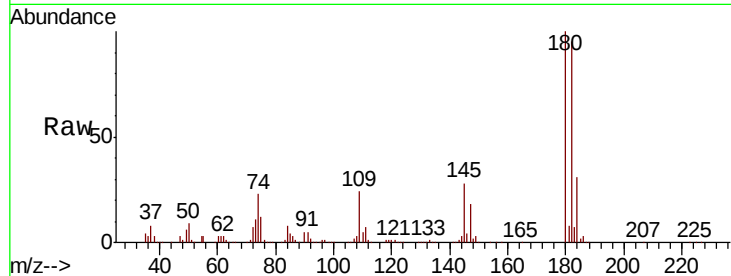
#93
 1,2,4-Trichlorobenzene
 Concen: 124.37 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.5	145.6
145	27.9	11.9	35.7

Manual Integrations
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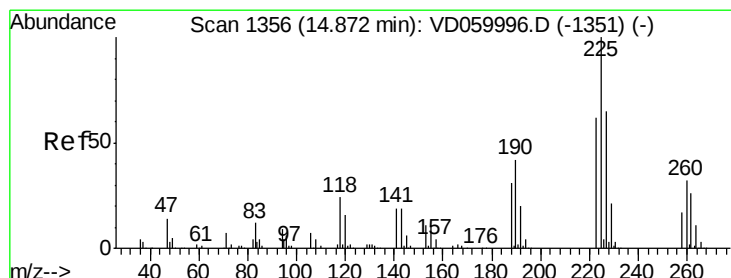
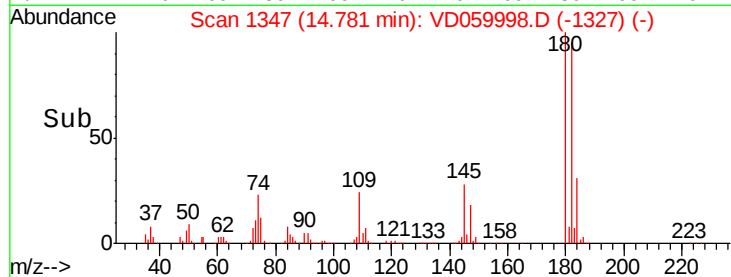
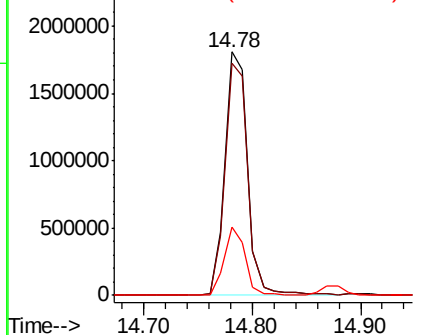


Abundance

Ion 179.85 (179.55 to 180.55): V

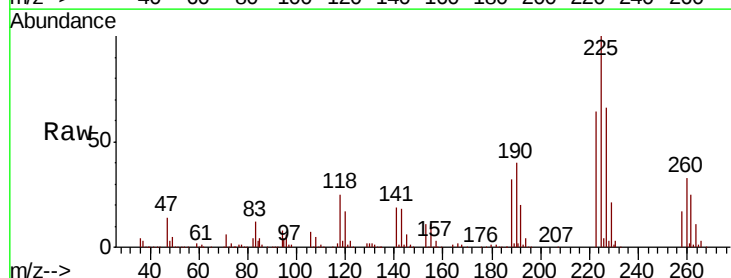
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 129.22 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.2	93.6
227	65.6	32.3	96.8

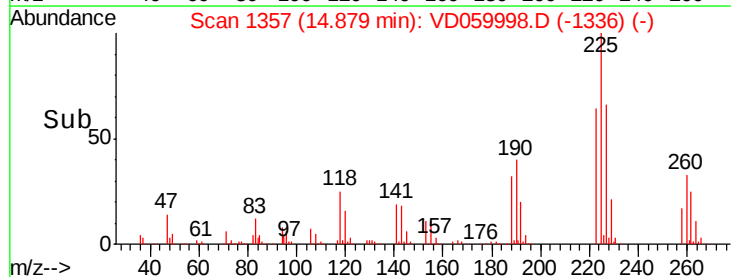
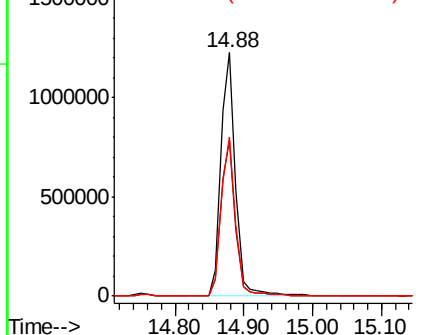


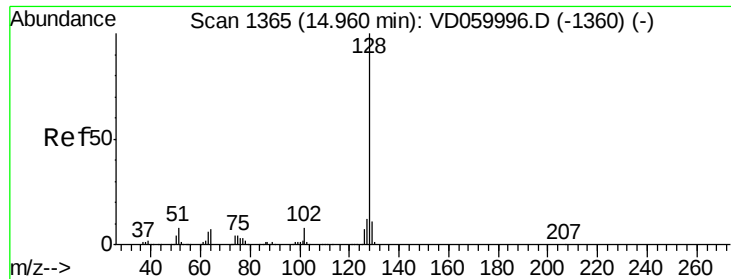
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 138.17 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC150

Tot Ion:128 Resp: 4483770

Ion Ratio Lower Upper

128 100

127 12.9 9.7 14.5

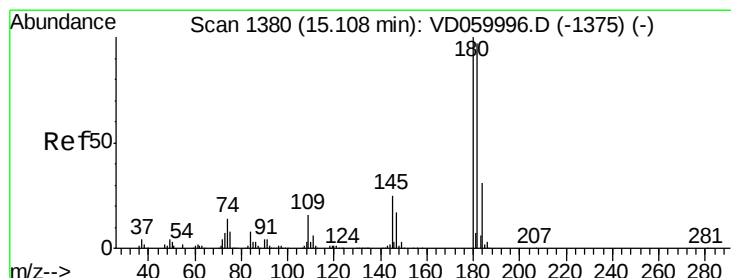
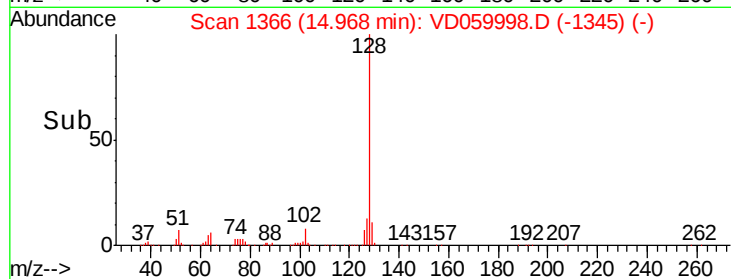
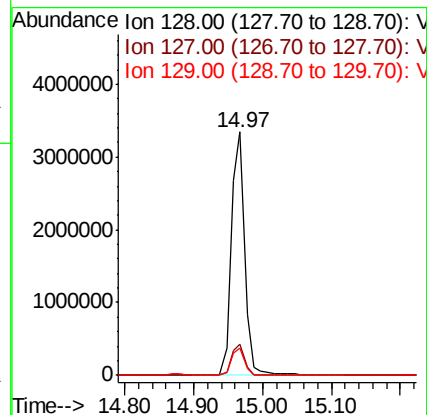
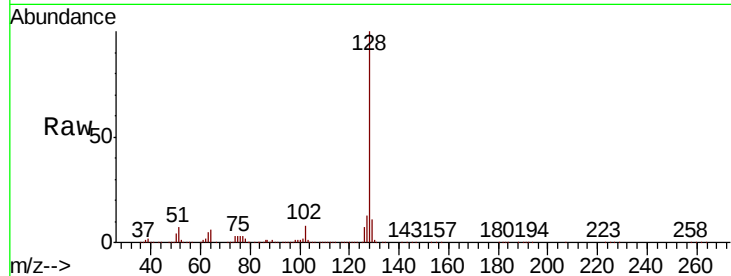
129 11.1 8.9 13.3

Manual Integrations

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#96

1,2,3-Trichlorobenzene

Concen: 130.61 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Tgt Ion:180 Resp: 2388750

Ion Ratio Lower Upper

180 100

182 96.8 48.6 145.9

145 24.8 12.7 38.1

