

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059996.D
 Acq On : 13 Sep 2018 13:42
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 9/14/2018 10:56:58 AM

Quant Time: Sep 13 15:45:18 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	6.38	168	1537988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2102786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1707002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	925295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	599152	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	6.30	113	824016	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	9.44	98	2236601	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.41	95	877558	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	863912m	59.98	ug/l
3) Chloromethane	1.73	50	665324	52.19	ug/l
4) Vinyl Chloride	1.83	62	566565	56.39	ug/l
5) Bromomethane	2.12	94	94398	53.71	ug/l
6) Chloroethane	2.23	64	175345	56.78	ug/l
7) Trichlorofluoromethane	2.48	101	695875	59.30	ug/l
8) Diethyl Ether	2.80	74	143806	55.64	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.05	101	421550	58.47	ug/l
10) Methyl Iodide	3.21	142	487050	73.06	ug/l
11) Tert butyl alcohol	3.94	59	248975	255.24	ug/l
12) 1,1-Dichloroethene	3.04	96	331653	59.12	ug/l
13) Acrolein	2.95	56	139217	314.87	ug/l
14) Allyl chloride	3.51	41	714843	57.24	ug/l
15) Acrylonitrile	4.06	53	959062	260.07	ug/l
16) Acetone	3.13	43	588183	252.45	ug/l
17) Carbon Disulfide	3.28	76	1161131	65.43	ug/l
18) Methyl Acetate	3.53	43	241858	49.46	ug/l
19) Methyl tert-butyl Ether	4.10	73	1545479	51.10	ug/l
20) Methylene Chloride	3.68	84	931802	49.02	ug/l
21) trans-1,2-Dichloroethene	4.07	96	895474	58.47	ug/l
22) Diisopropyl ether	4.82	45	3295009	52.81	ug/l
23) Vinyl Acetate	4.78	43	9352208	268.41	ug/l
24) 1,1-Dichloroethane	4.73	63	1470046	54.08	ug/l
25) 2-Butanone	5.59	43	1557961	231.56	ug/l
26) 2,2-Dichloropropane	5.55	77	1117455	49.50	ug/l
27) cis-1,2-Dichloroethene	5.56	96	934339	56.36	ug/l
28) Bromochloromethane	5.90	49	645214	50.50	ug/l
29) Tetrahydrofuran	5.93	42	879642	264.54	ug/l
30) Chloroform	6.07	83	1498215	54.14	ug/l
31) Cyclohexane	6.34	56	1392666	54.87	ug/l
32) 1,1,1-Trichloroethane	6.26	97	1247853	53.27	ug/l
36) 1,1-Dichloropropene	6.50	75	1095875	56.17	ug/l
37) Ethyl Acetate	5.67	43	727549	49.29	ug/l
38) Carbon Tetrachloride	6.47	117	1044036	53.34	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	1262839	59.37	ug/l	100
40) Benzene	6.77	78	2882004	56.71	ug/l	100
41) Methacrylonitrile	5.91	41	412949m	55.10	ug/l	
42) 1,2-Dichloroethane	6.87	62	847395	53.08	ug/l	100
43) Isopropyl Acetate	8.33	43	1046290	54.12	ug/l	100
44) Trichloroethene	7.72	130	885227	58.77	ug/l	100
45) 1,2-Dichloropropane	8.08	63	772723	55.05	ug/l	100
46) Dibromomethane	8.19	93	505380	55.94	ug/l	100
47) Bromodichloromethane	8.47	83	1064870	52.52	ug/l	100
48) Methyl methacrylate	8.22	41	582725	51.79	ug/l	100
49) 1,4-Dioxane	8.21	88	115804	1136.05	ug/l	100
51) 4-Methyl-2-Pentanone	9.32	43	3117414	226.19	ug/l	100
52) Toluene	9.53	92	1830274	56.29	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	984514	52.64	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	1199104	54.61	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	598841	51.09	ug/l	100
56) Ethyl methacrylate	10.01	69	714590	53.23	ug/l	100
57) 1,3-Dichloropropane	10.36	76	936579	55.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1590438	247.29	ug/l	100
59) 2-Hexanone	10.47	43	2291927	225.50	ug/l	100
60) Dibromochloromethane	10.62	129	795316	54.08	ug/l	100
61) 1,2-Dibromoethane	10.75	107	643921	54.38	ug/l	100
64) Tetrachloroethene	10.24	164	811503	59.25	ug/l	100
65) Chlorobenzene	11.30	112	2004597	57.58	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	683503	54.47	ug/l	100
67) Ethyl Benzene	11.42	91	3223359	55.42	ug/l	100
68) m/p-Xylenes	11.56	106	2441452	114.18	ug/l	100
69) o-Xylene	11.92	106	1187355	56.93	ug/l	100
70) Styrene	11.95	104	1979939	55.21	ug/l	100
71) Bromoform	12.11	173	596454	55.04	ug/l	100
73) Isopropylbenzene	12.26	105	3281237	54.52	ug/l	100
74) N-amyl acetate	12.13	43	1277527	49.70	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	734137	53.07	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	755234	52.41	ug/l	100
77) Bromobenzene	12.53	156	925812	55.53	ug/l	100
78) n-propylbenzene	12.63	91	4080067	53.78	ug/l	100
79) 2-Chlorotoluene	12.70	91	2301186	53.70	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2545028	53.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	225358	50.66	ug/l	100
82) 4-Chlorotoluene	12.80	91	2505603	51.58	ug/l	100
83) tert-Butylbenzene	13.04	119	2913192	53.85	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	2612353	52.81	ug/l	100
85) sec-Butylbenzene	13.21	105	3411229	53.74	ug/l	100
86) p-Isopropyltoluene	13.34	119	2868110	55.04	ug/l	100
87) 1,3-Dichlorobenzene	13.30	146	1627168	54.71	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	1648753	55.36	ug/l	100
89) n-Butylbenzene	13.64	91	2671425	51.32	ug/l	100
90) Hexachloroethane	13.85	117	716794	51.93	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1338922	53.41	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.21	75	100042	48.36	ug/l	100

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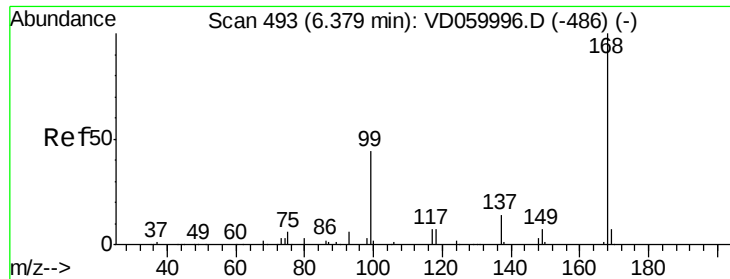
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1193447	55.36	ug/l	100
94) Hexachlorobutadiene	14.87	225	783041	55.23	ug/l	100
95) Naphthalene	14.96	128	1794033	54.70	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1037594	56.13	ug/l	100

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



#1

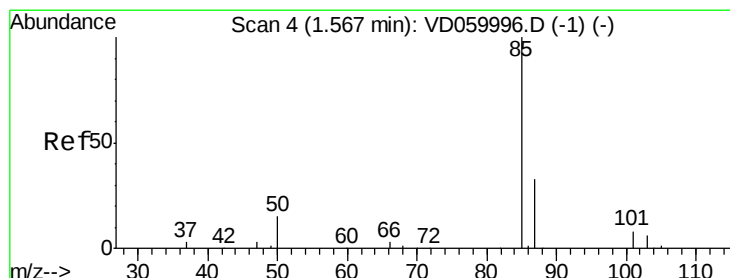
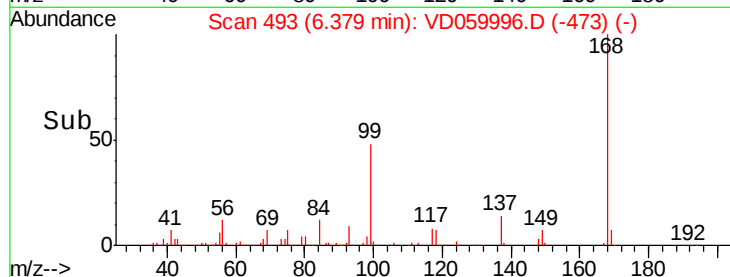
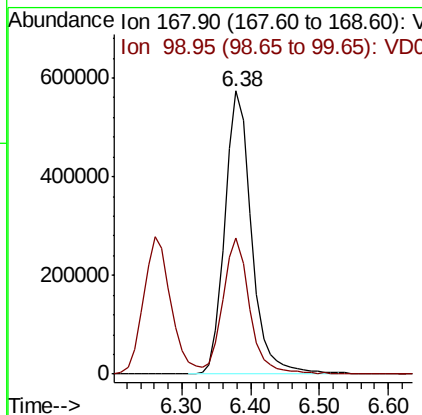
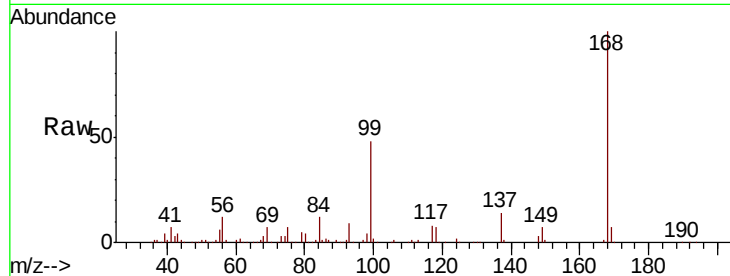
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:168 Resp: 1537988
 Ion Ratio Lower Upper
 168 100
 99 48.1 38.5 57.7

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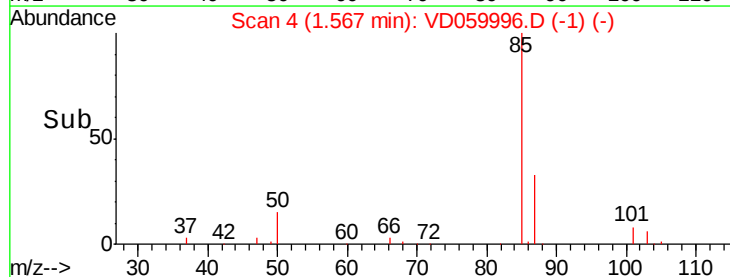
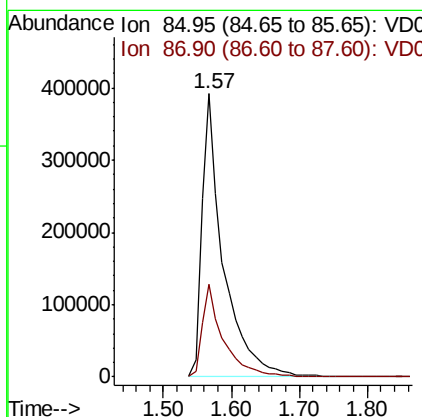
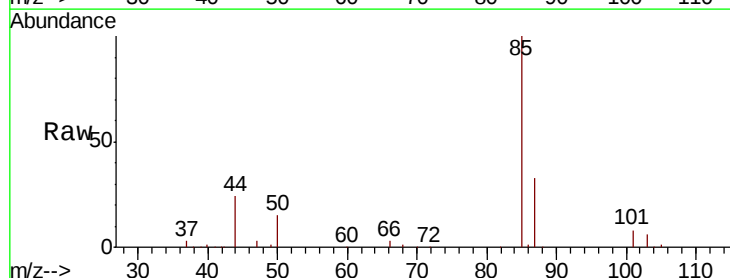
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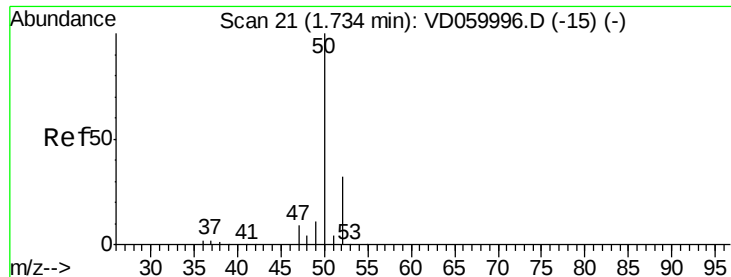


#2

Dichlorodifluoromethane
 Concen: 59.98 ug/l m
 RT: 1.57 min Scan# 4
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion: 85 Resp: 863912
 Ion Ratio Lower Upper
 85 100
 87 32.7 16.4 49.1





#3

Chloromethane

Concen: 52.19 ug/l

RT: 1.73 min Scan# 21

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 665324

Ion Ratio Lower Upper

50 100

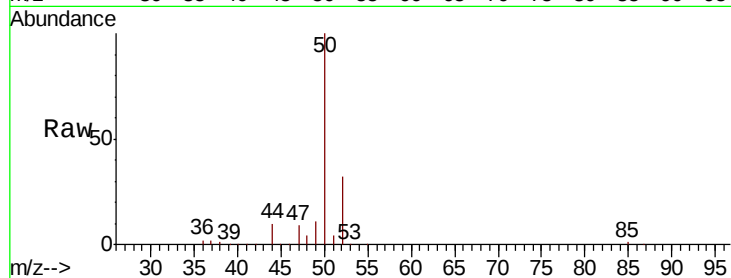
52 31.8 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

250000

200000

150000

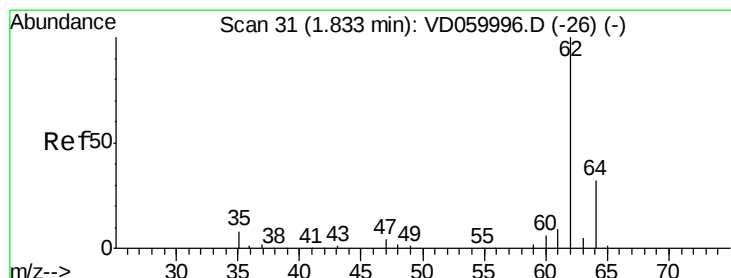
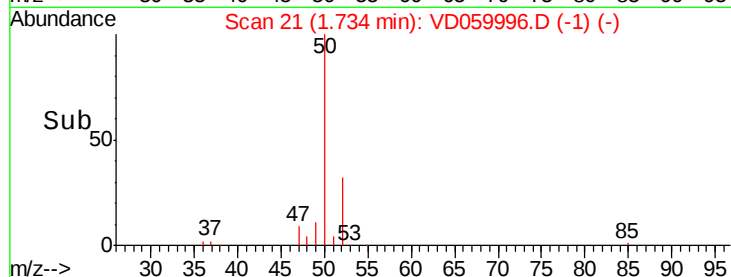
100000

50000

0

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 56.39 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD059996.D

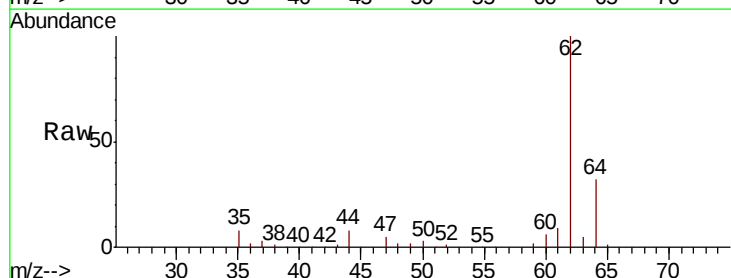
Acq: 13 Sep 2018 13:42

Tgt Ion: 62 Resp: 566565

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83

250000

200000

150000

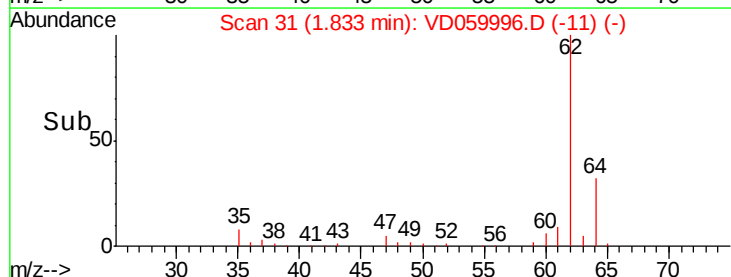
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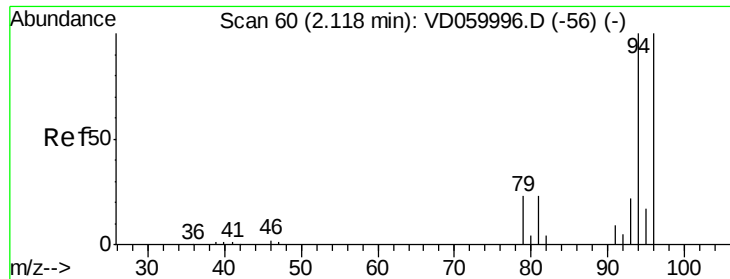
50000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 53.71 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 94398

Ion Ratio Lower Upper

94 100

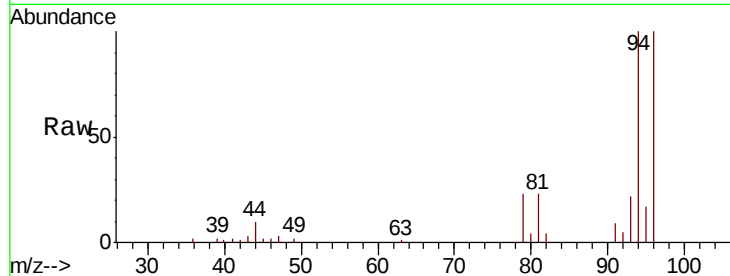
96 99.8 79.8 119.8

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

40000

30000

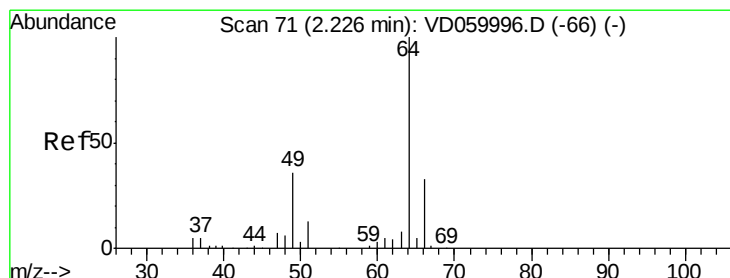
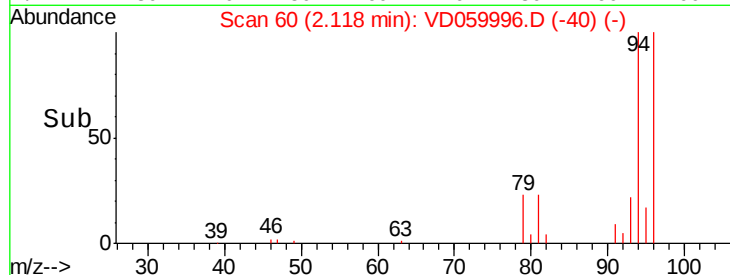
20000

10000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 56.78 ug/l

RT: 2.23 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD059996.D

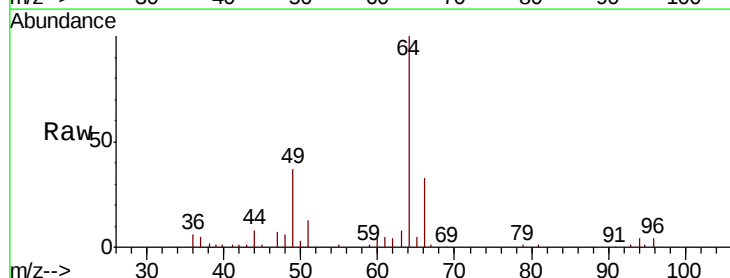
Acq: 13 Sep 2018 13:42

Tgt Ion: 64 Resp: 175345

Ion Ratio Lower Upper

64 100

66 33.1 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

80000

60000

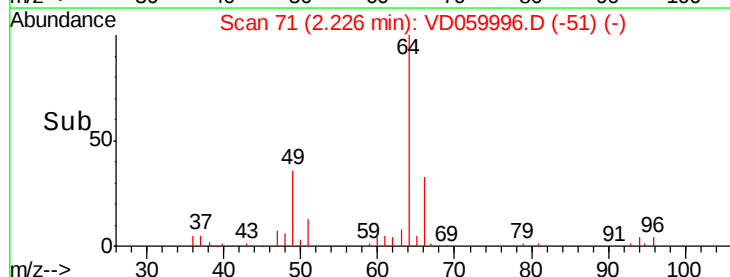
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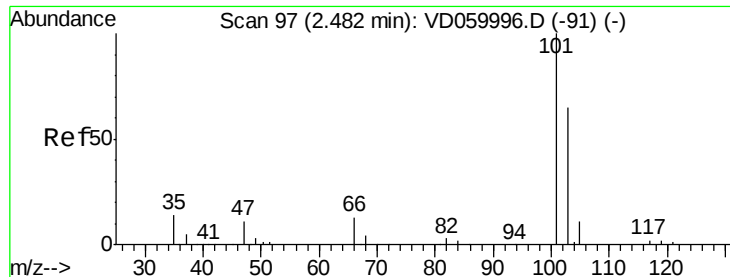
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Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 59.30 ug/l

RT: 2.48 min Scan# 97

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:101 Resp: 695875

Ion Ratio Lower Upper

101 100

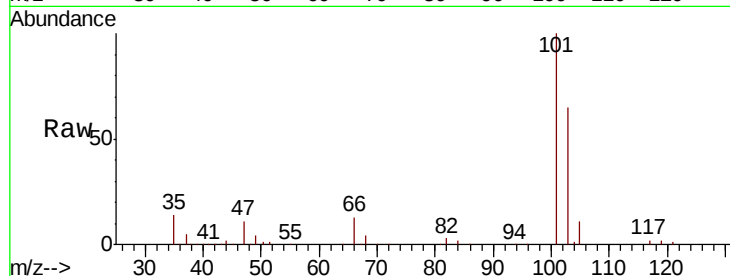
103 64.5 51.6 77.4

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.48

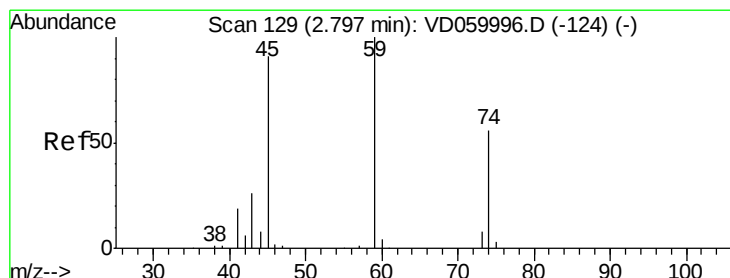
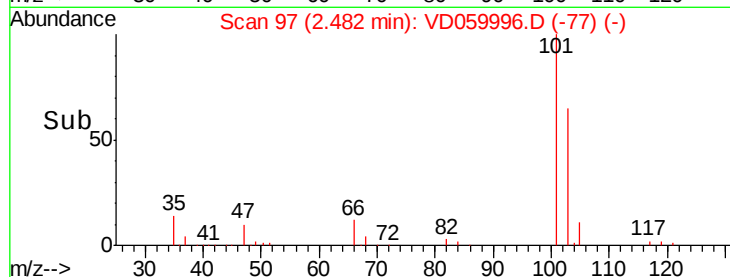
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 55.64 ug/l

RT: 2.80 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059996.D

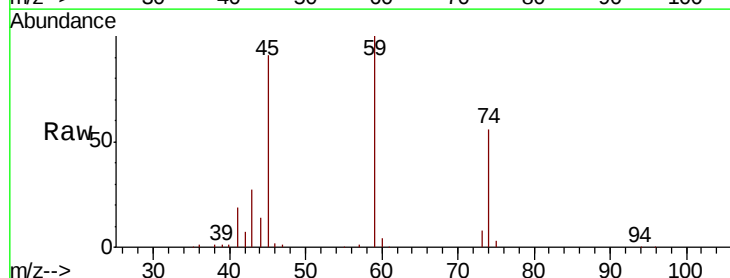
Acq: 13 Sep 2018 13:42

Tgt Ion: 74 Resp: 143806

Ion Ratio Lower Upper

74 100

45 162.3 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.80

120000

100000

80000

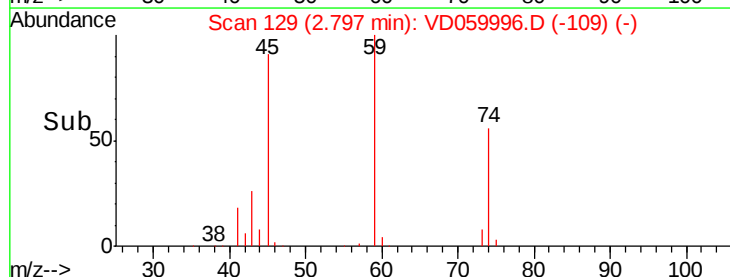
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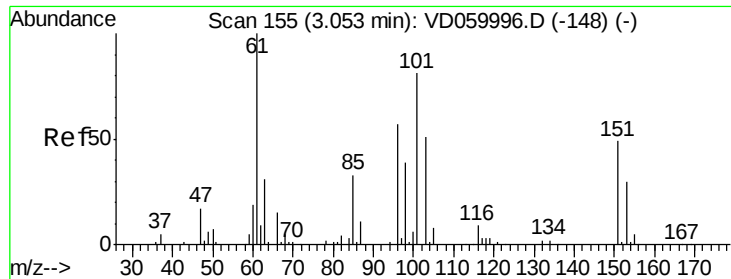
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.47 ug/l

RT: 3.05 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

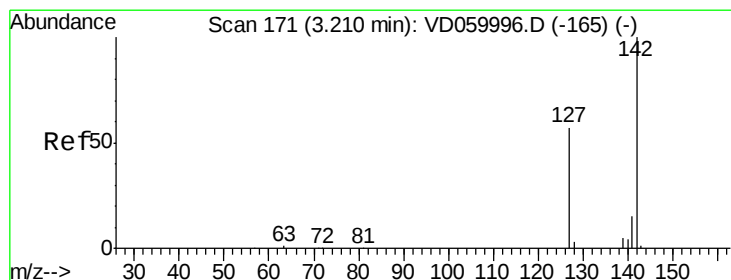
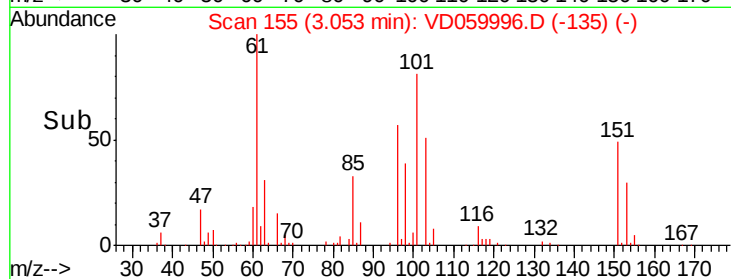
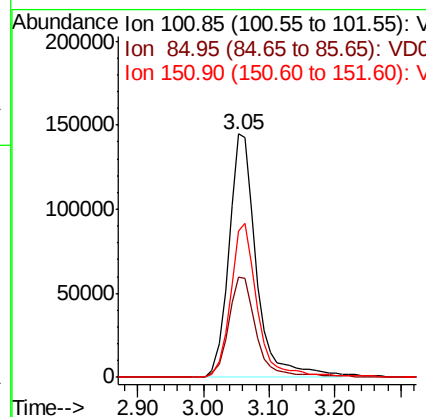
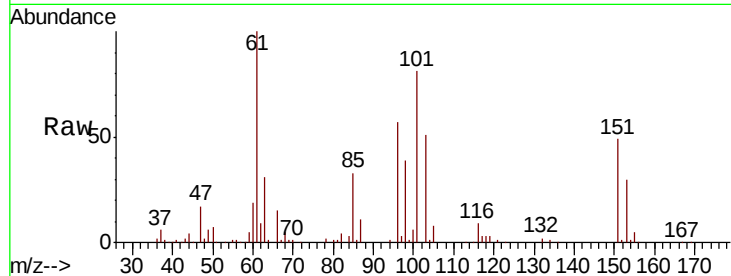
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	421550
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.1	49.7
151	60.3	48.2	72.4

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#10

Methyl Iodide

Concen: 73.06 ug/l

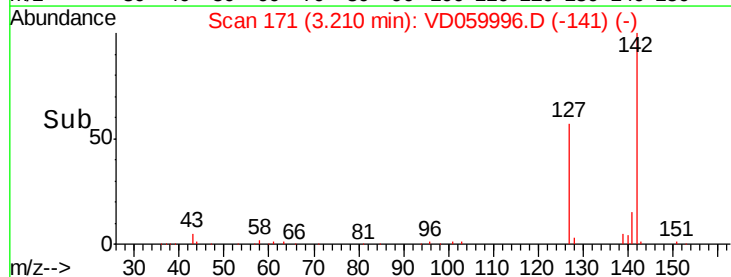
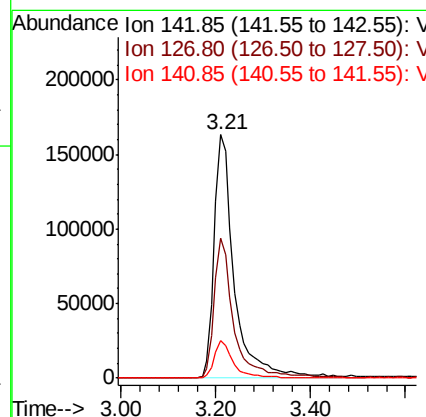
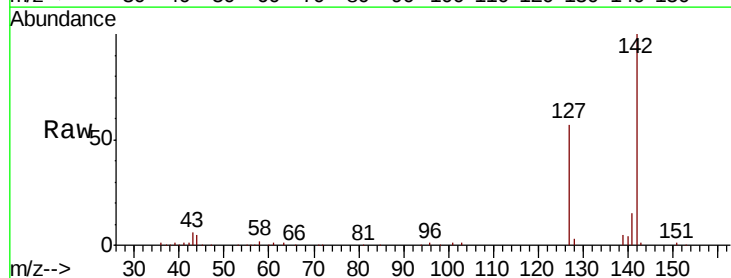
RT: 3.21 min Scan# 171

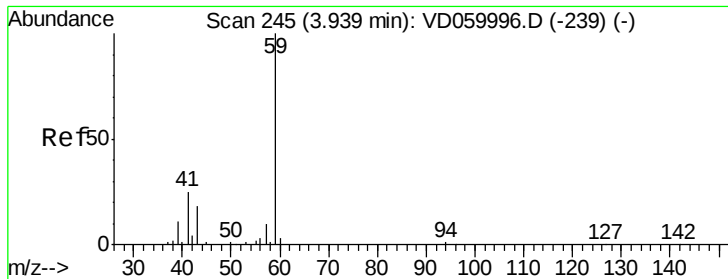
Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Tgt Ion:	142	Resp:	487050
Ion Ratio	Lower	Upper	
142	100		
127	57.3	45.8	68.8
141	15.3	12.2	18.4





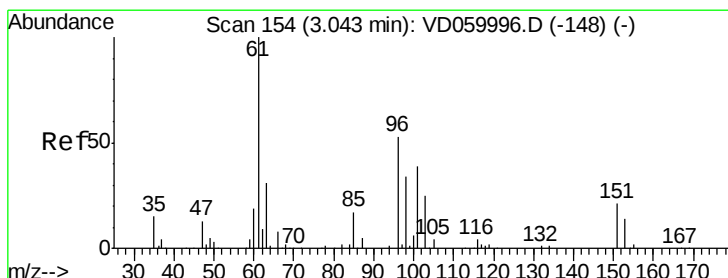
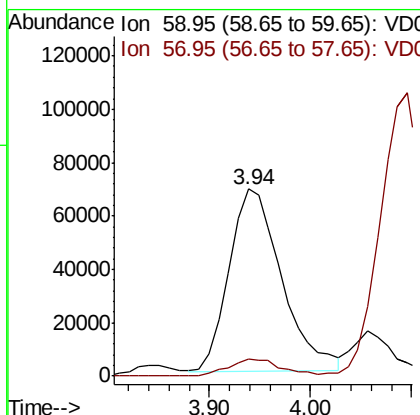
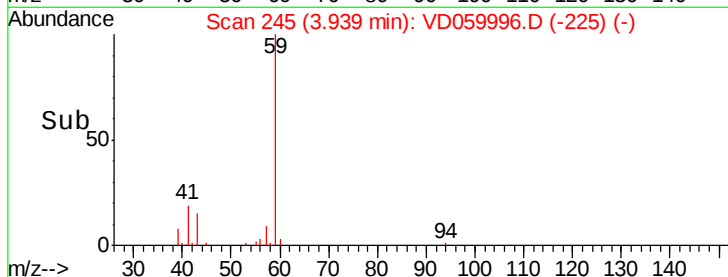
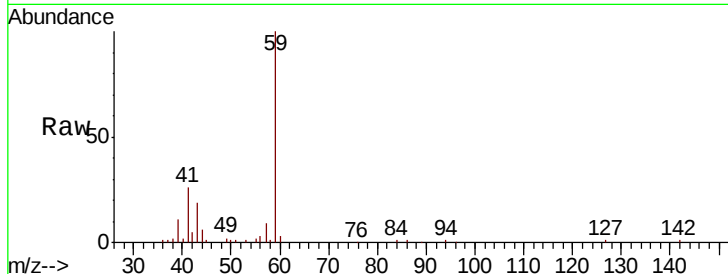
#11
Tert butyl alcohol
Concen: 255.24 ug/l
RT: 3.94 min Scan# 245
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	248975
Ion Ratio	100	Lower	Upper
57	9.3	7.4	11.2

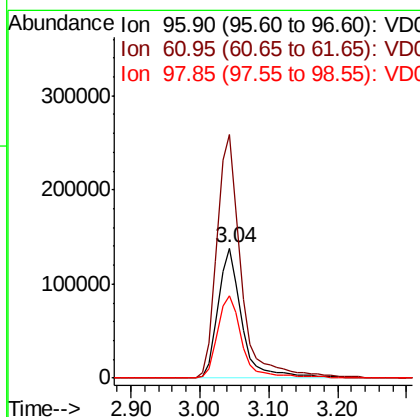
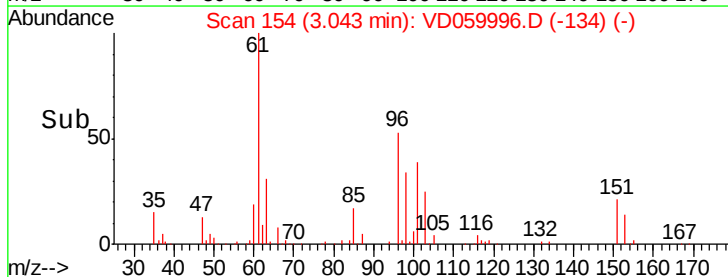
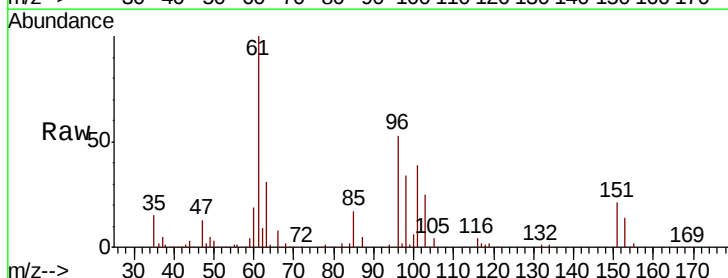
Manual Integrations
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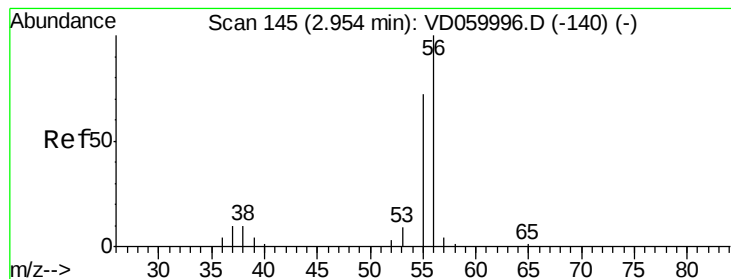
apatel
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#12
1,1-Dichloroethene
Concen: 59.12 ug/l
RT: 3.04 min Scan# 154
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion	96	Resp	331653
Ion Ratio	100	Lower	Upper
61	187.2	149.8	224.6
98	62.8	50.2	75.4





#13

Acrolein

Concen: 314.87 ug/l

RT: 2.95 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 139217

Ion Ratio Lower Upper

56 100

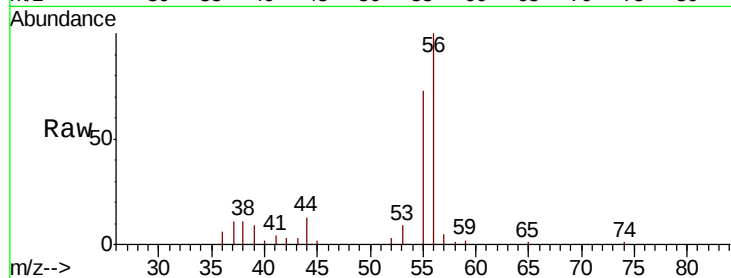
55 72.9 58.3 87.5

Manual Integrations

APPROVED

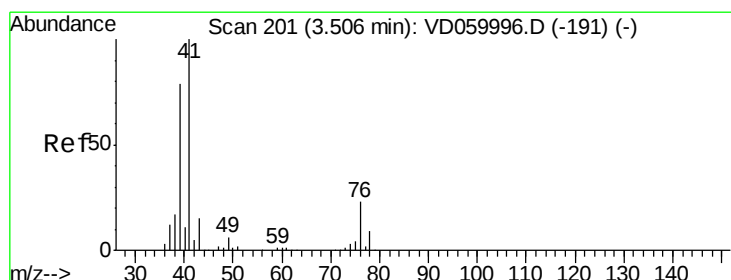
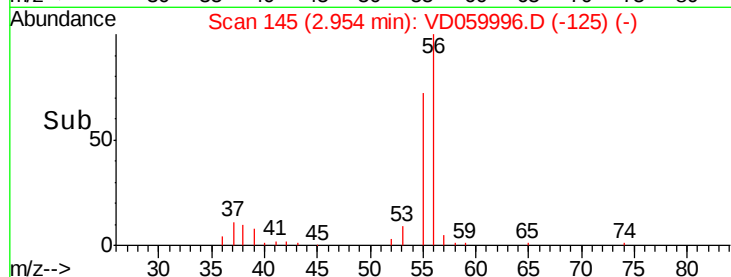
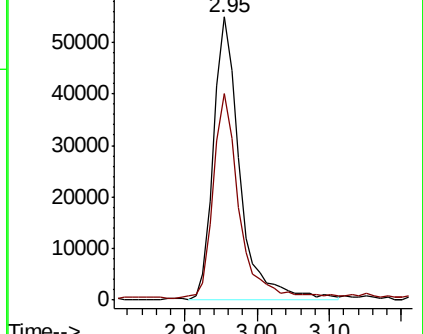
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 57.24 ug/l

RT: 3.51 min Scan# 201

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

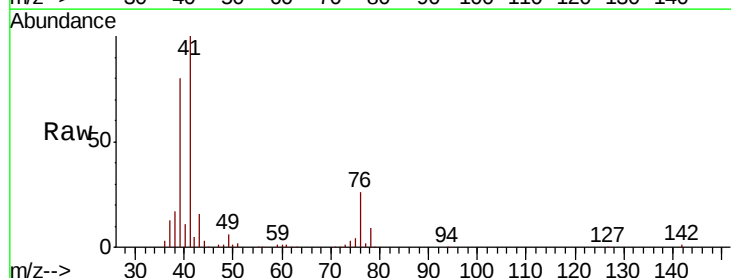
Tgt Ion: 41 Resp: 714843

Ion Ratio Lower Upper

41 100

39 79.5 63.6 95.4

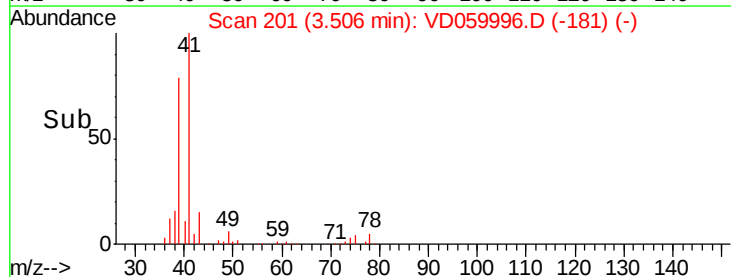
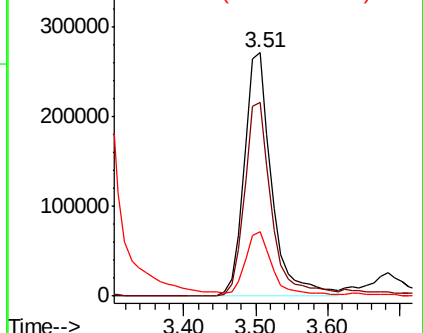
76 26.4 21.1 31.7

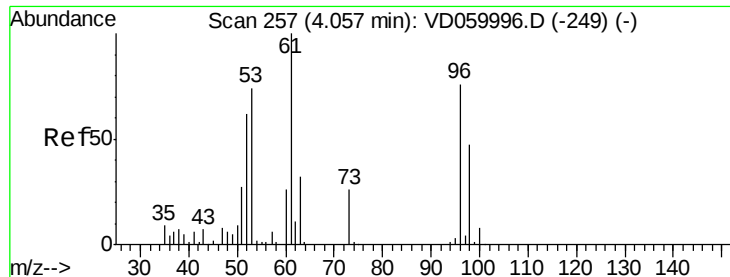


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 260.07 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

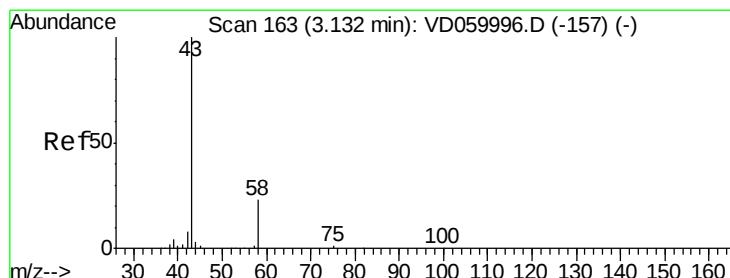
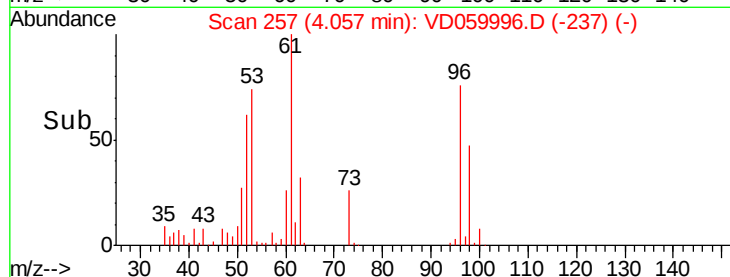
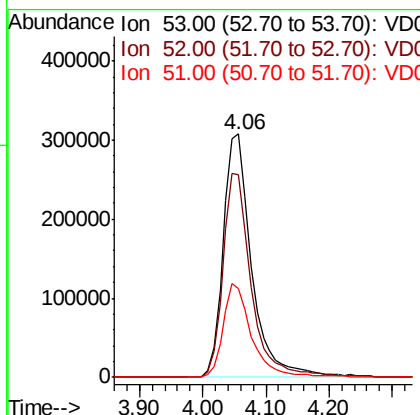
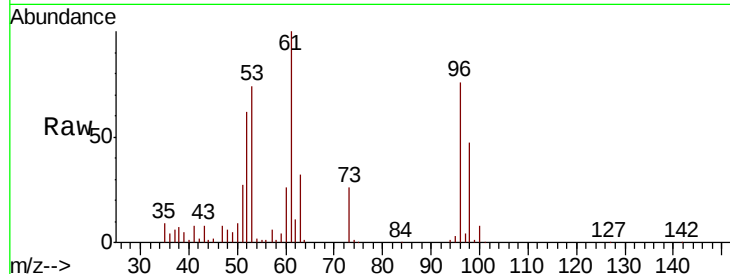
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	959062
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.7	100.1
51	36.3	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 252.45 ug/l

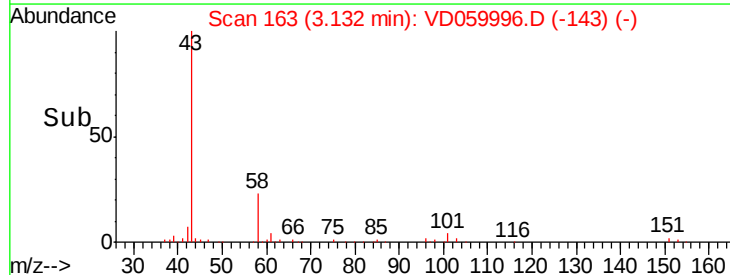
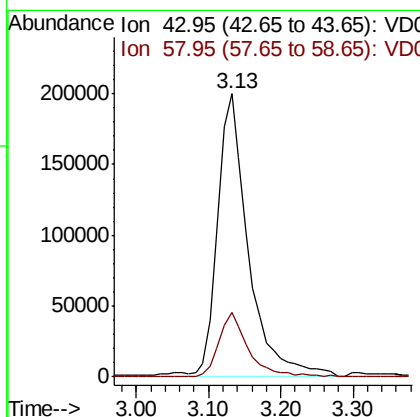
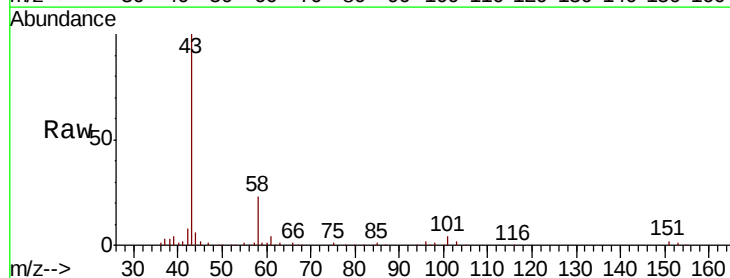
RT: 3.13 min Scan# 163

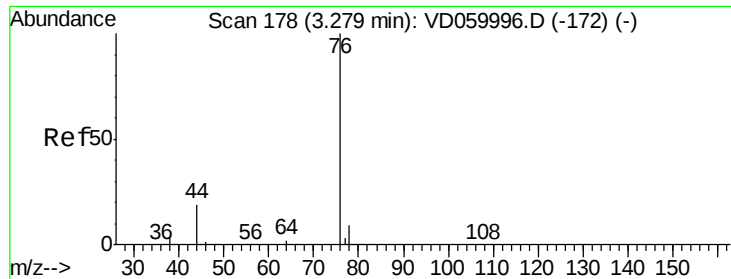
Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Tgt Ion:	43	Resp:	588183
Ion Ratio	Lower	Upper	
43	100		
58	22.6	18.1	27.1





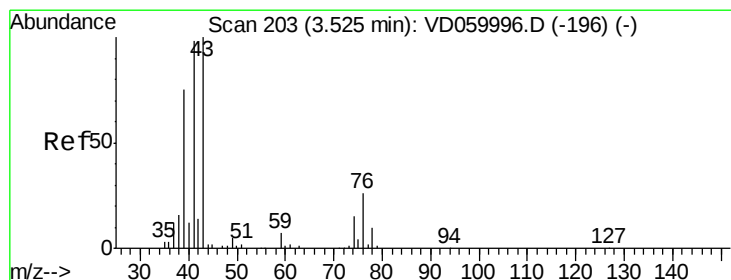
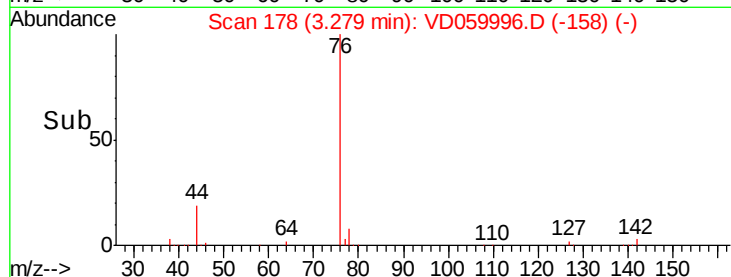
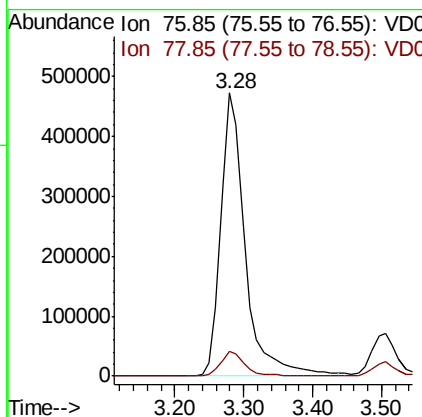
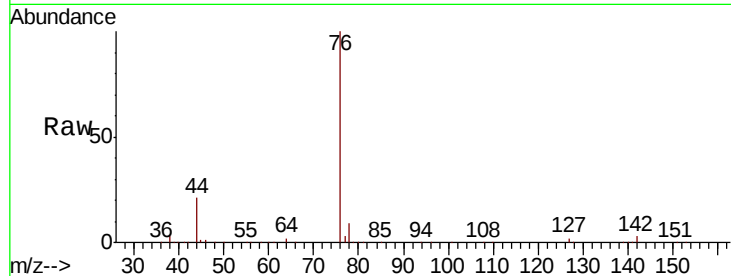
#17
Carbon Disulfide
Concen: 65.43 ug/l
RT: 3.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1161131
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4

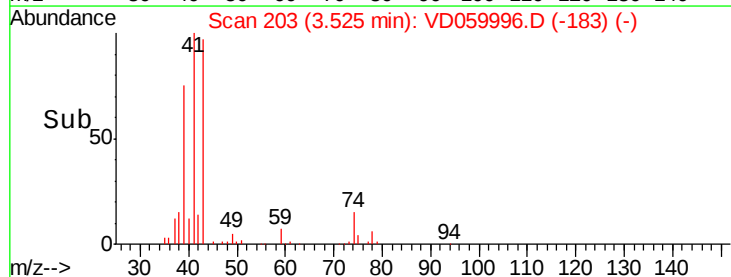
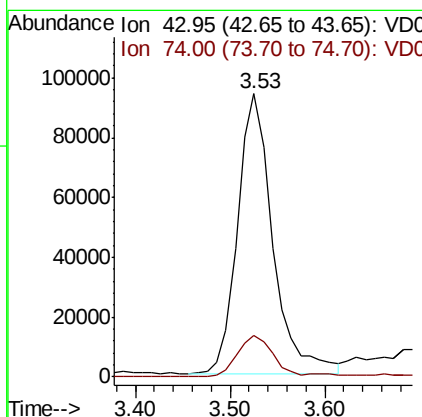
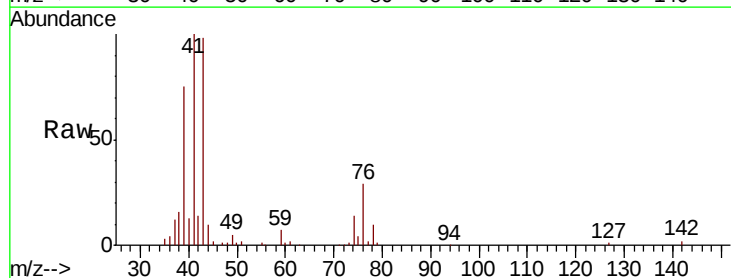
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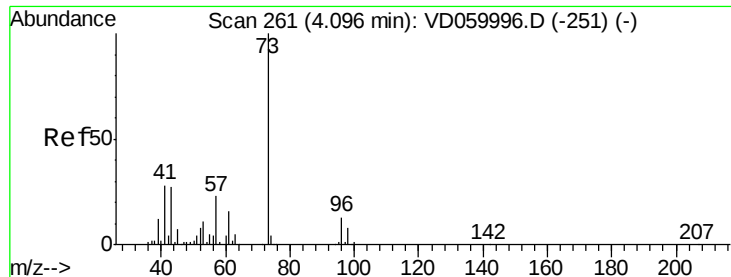
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#18
Methyl Acetate
Concen: 49.46 ug/l
RT: 3.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 43 Resp: 241858
Ion Ratio Lower Upper
43 100
74 14.8 11.8 17.8





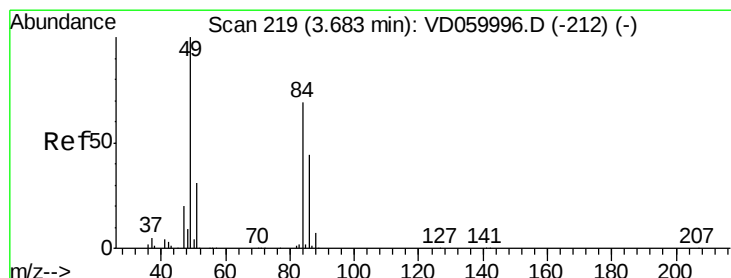
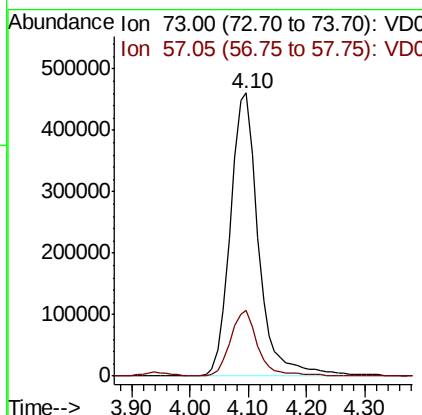
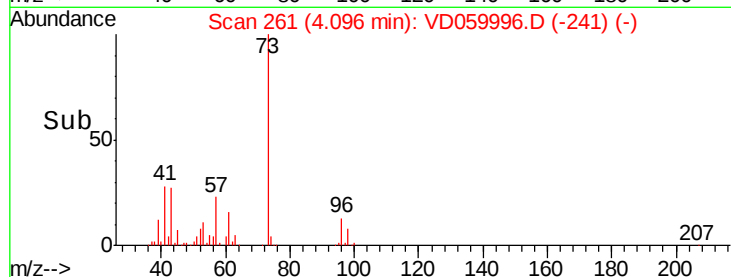
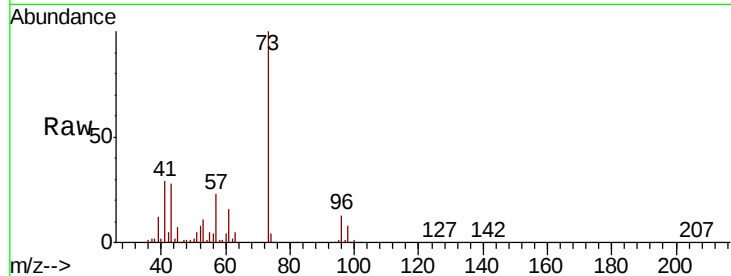
#19
Methvl tert-butvl Ether
Concen: 51.10 ug/l
RT: 4.10 min Scan# 261
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1545479
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

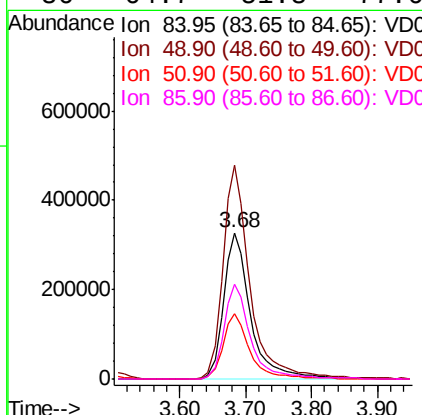
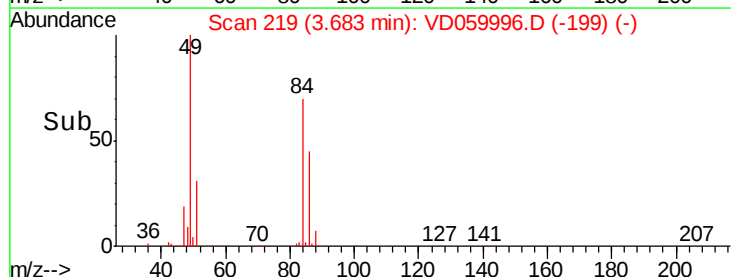
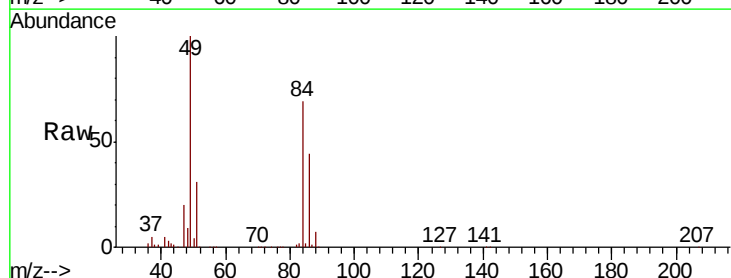
Manual Integrations
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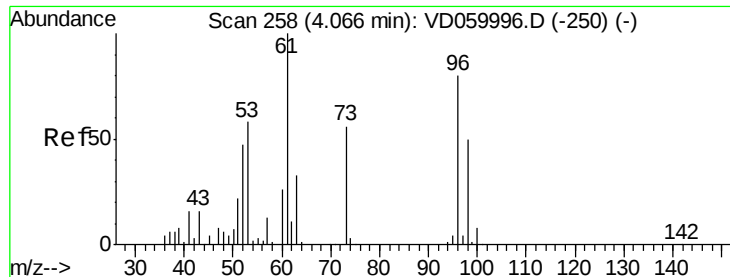
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#20
Methylene Chloride
Concen: 49.02 ug/l
RT: 3.68 min Scan# 219
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 84 Resp: 931802
Ion Ratio Lower Upper
84 100
49 145.8 116.6 175.0
51 44.9 35.9 53.9
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 58.47 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion: 96 Resp: 895474

Ion Ratio Lower Upper

96 100

61 125.1 100.1 150.1

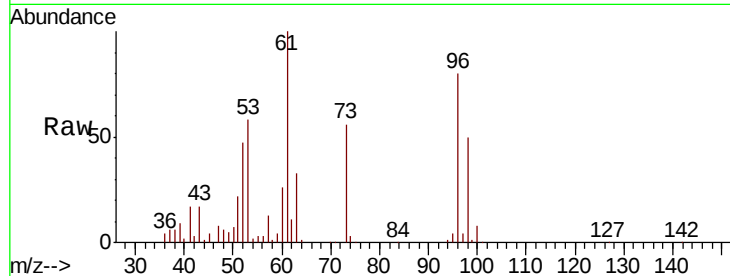
98 61.9 49.5 74.3

Manual Integrations

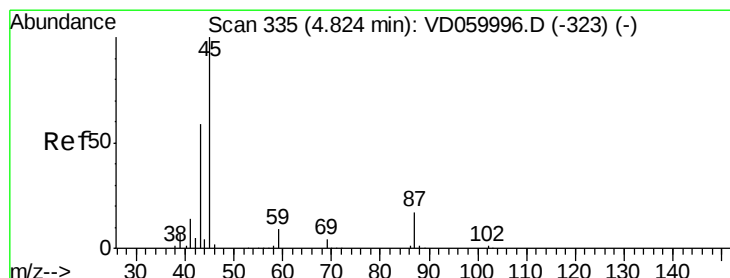
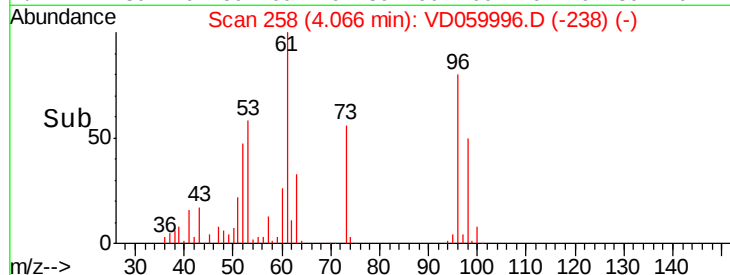
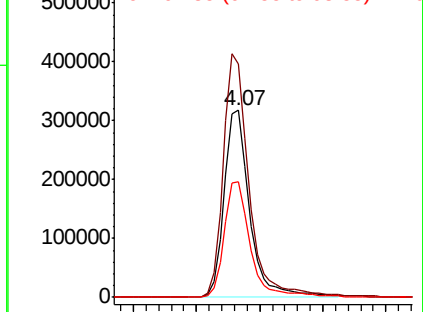
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.81 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Tgt Ion: 45 Resp: 3295009

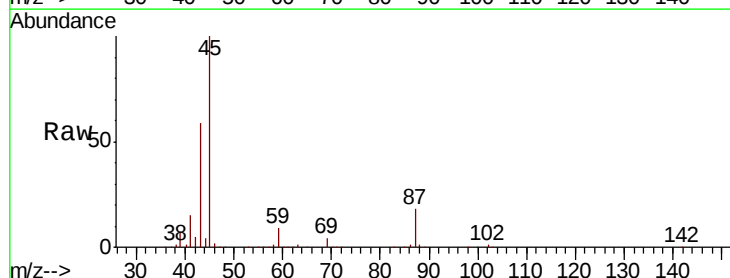
Ion Ratio Lower Upper

45 100

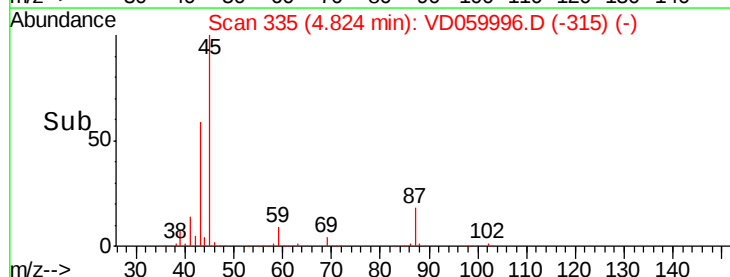
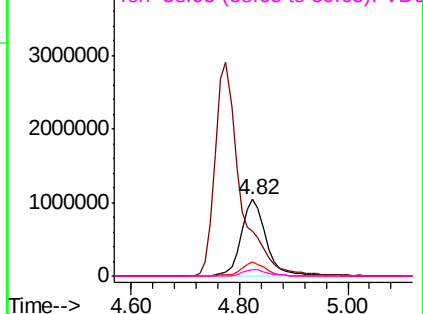
43 58.9 47.1 70.7

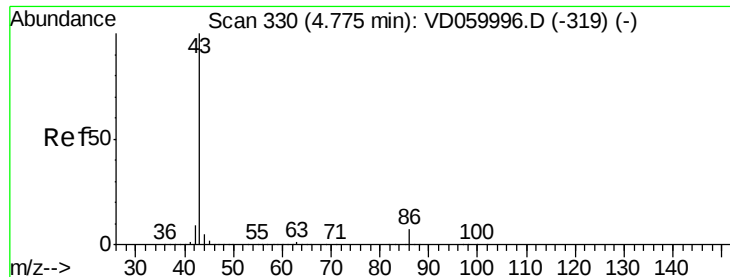
87 17.7 14.2 21.2

59 8.8 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: 268.41 ug/l

RT: 4.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 9352208

Ion Ratio Lower Upper

43 100

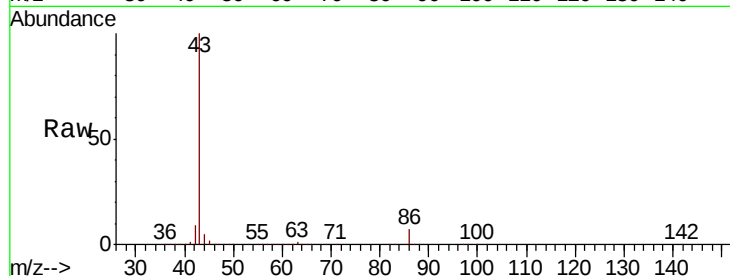
86 6.9 5.5 8.3

Manual Integrations

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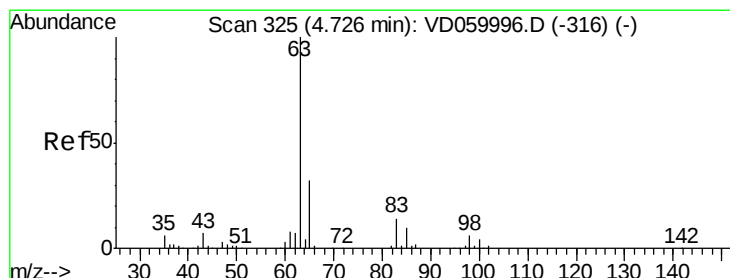
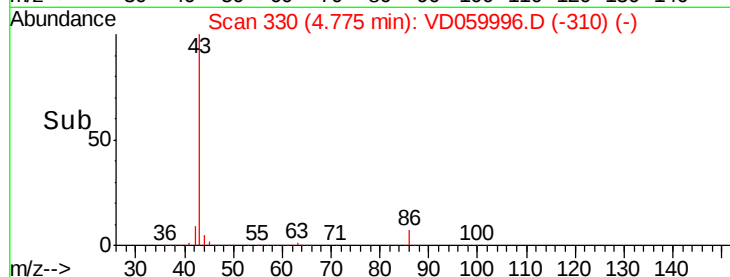
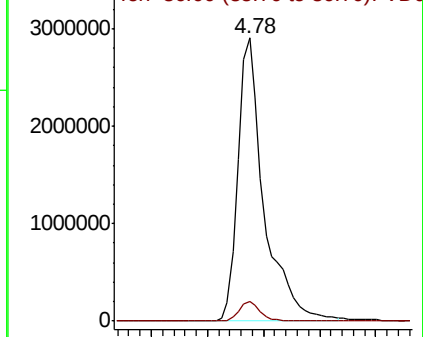
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.08 ug/l

RT: 4.73 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

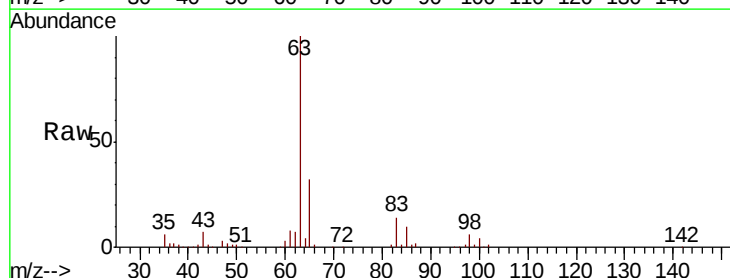
Tgt Ion: 63 Resp: 1470046

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

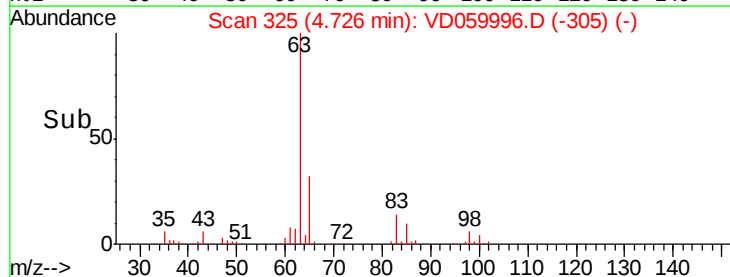
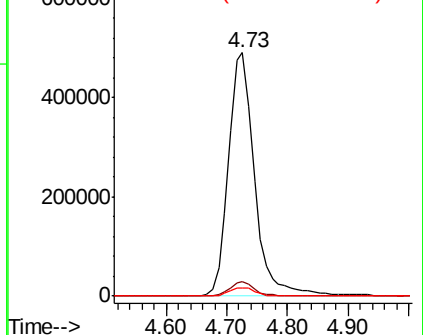
100 3.6 1.8 5.4

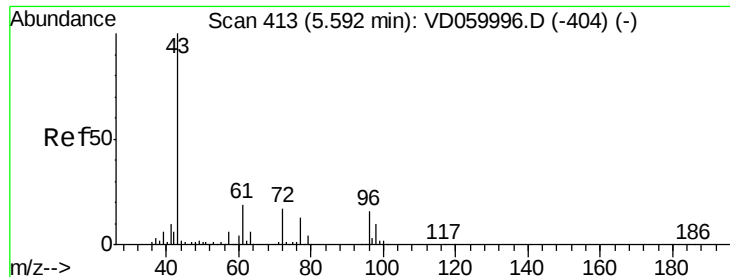


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 231.56 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1557961

Ion Ratio Lower Upper

43 100

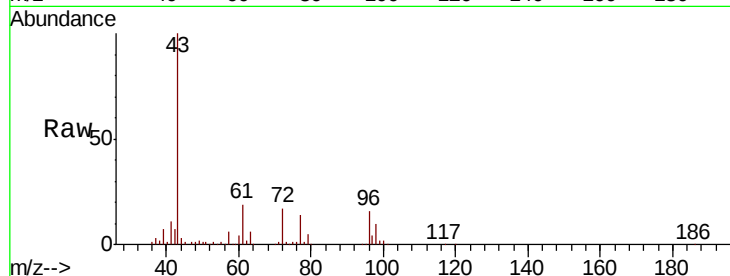
72 17.0 13.6 20.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.59

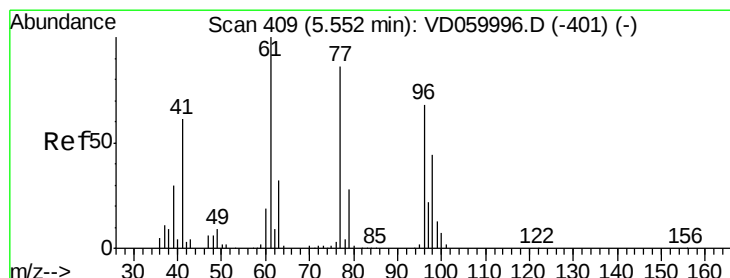
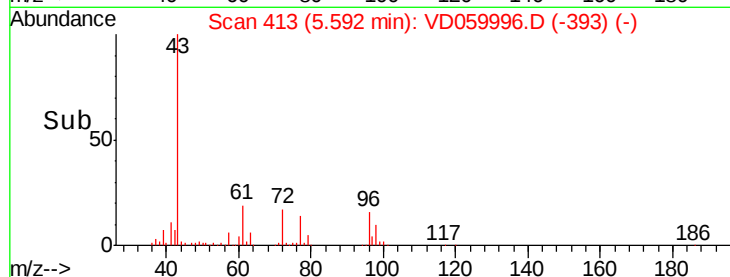
600000

400000

200000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.50 ug/l

RT: 5.55 min Scan# 409

Delta R.T. 0.00 min

Lab File: VD059996.D

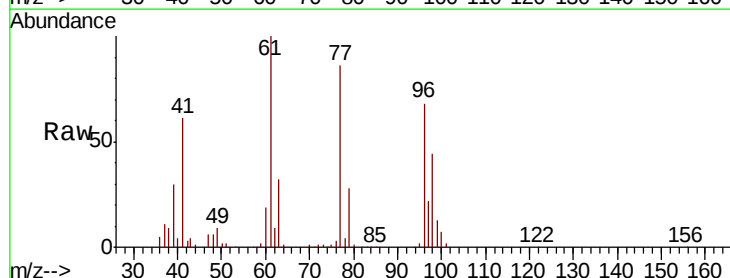
Acq: 13 Sep 2018 13:42

Tgt Ion: 77 Resp: 1117455

Ion Ratio Lower Upper

77 100

97 25.4 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.55

400000

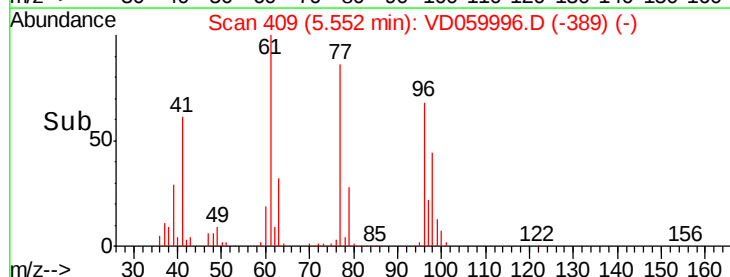
300000

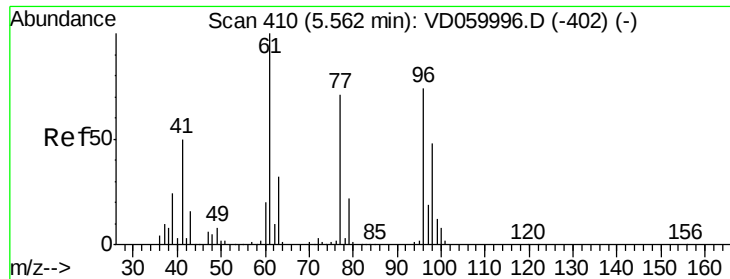
200000

100000

0

Time-->





#27

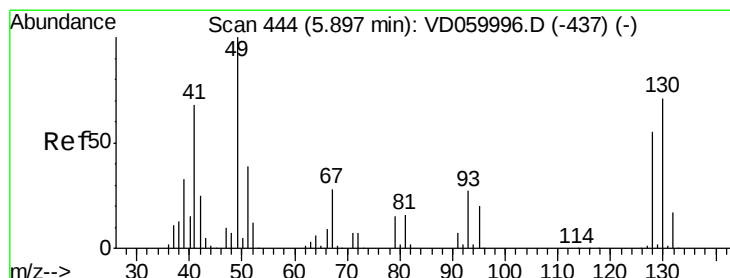
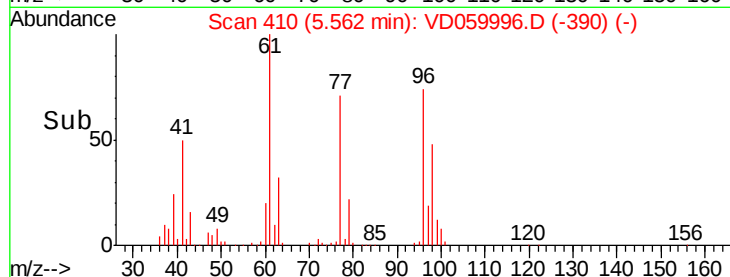
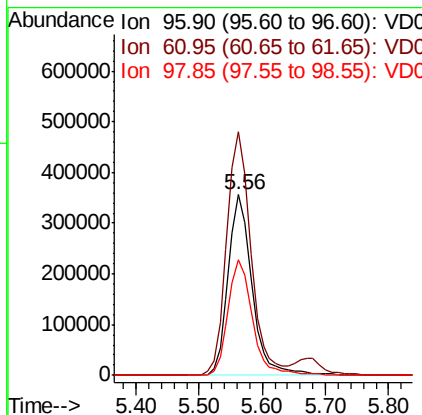
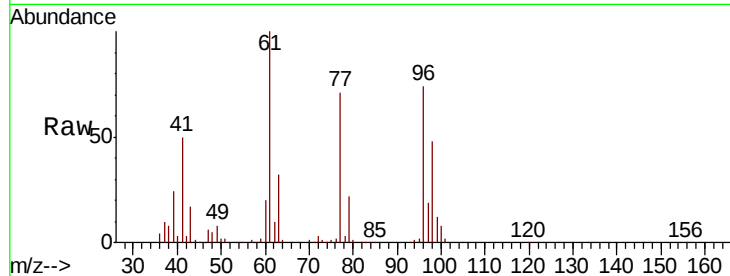
cis-1,2-Dichloroethene
 Concen: 56.36 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	269.6
98	64.2	0.0	128.4

Manual Integrations
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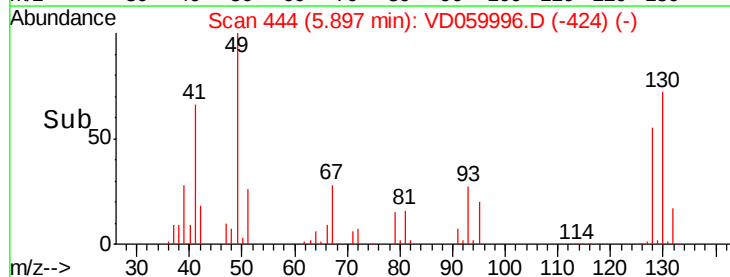
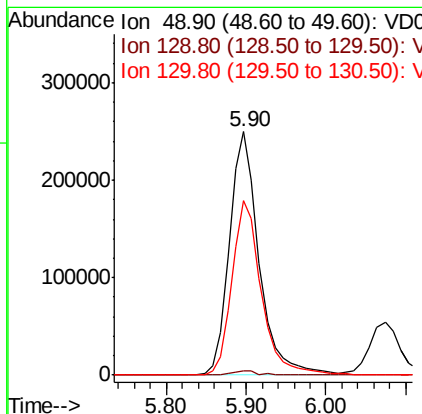
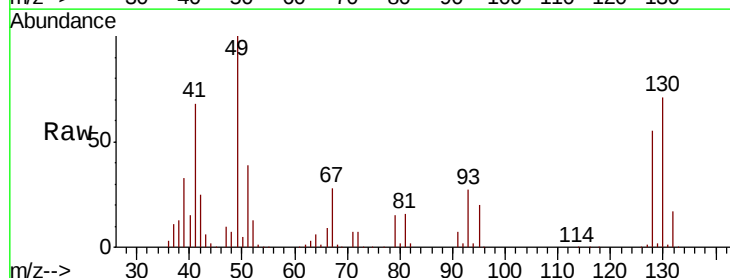
apatel
 9/14/2018 10:56:58 AM



#28

Bromochloromethane
 Concen: 50.50 ug/l
 RT: 5.90 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	71.4	57.1	85.7





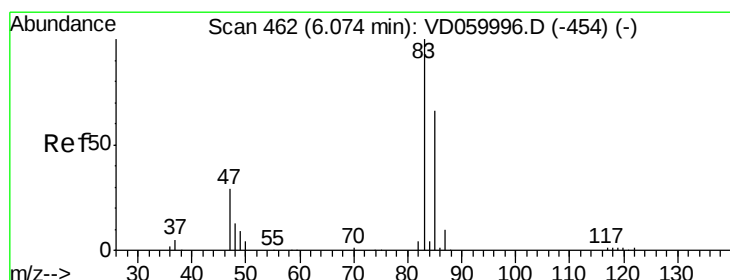
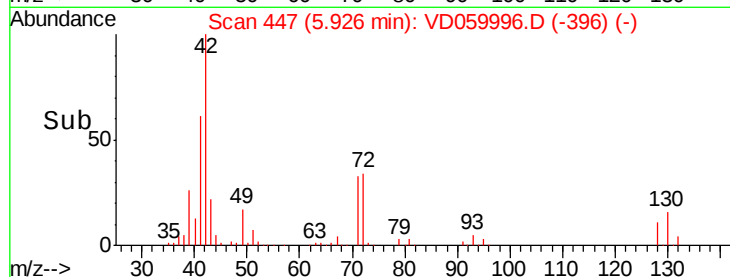
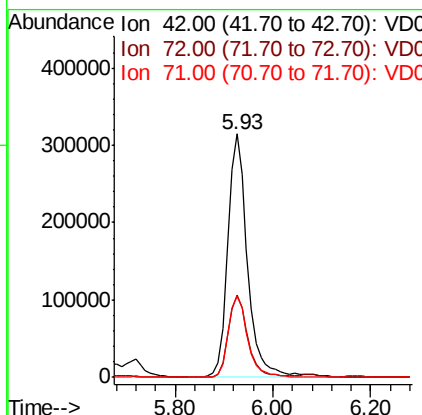
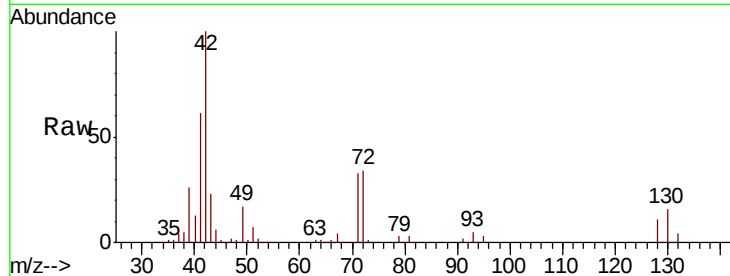
#29
Tetrahydrofuran
Concen: 264.54 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	26.9	40.3
71	32.8	26.2	39.4

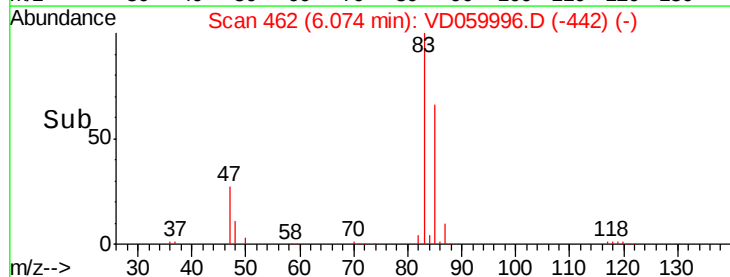
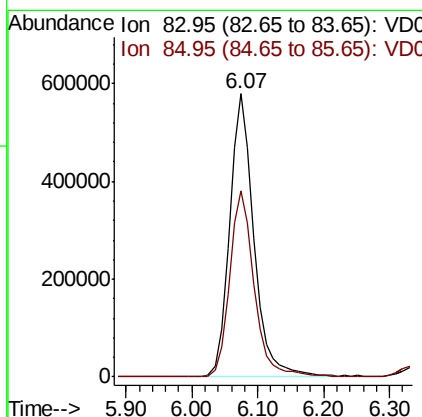
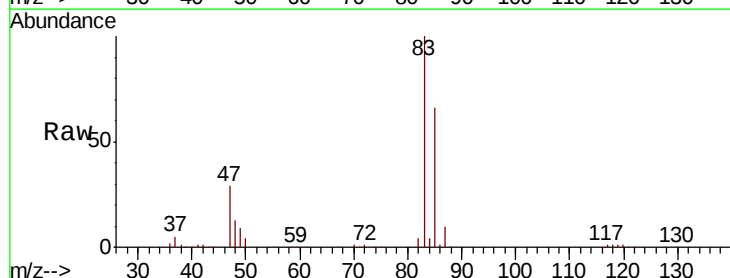
Manual Integrations
APPROVED

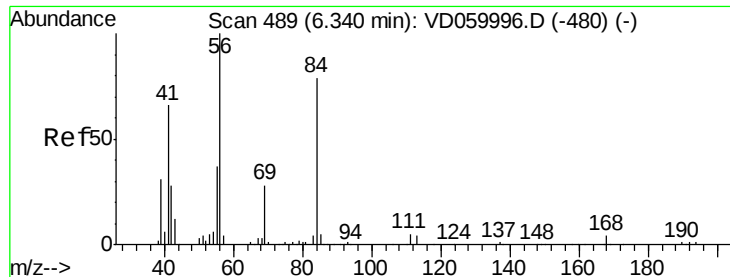
apatel
9/14/2018 10:56:58 AM



#30
Chloroform
Concen: 54.14 ug/l
RT: 6.07 min Scan# 462
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





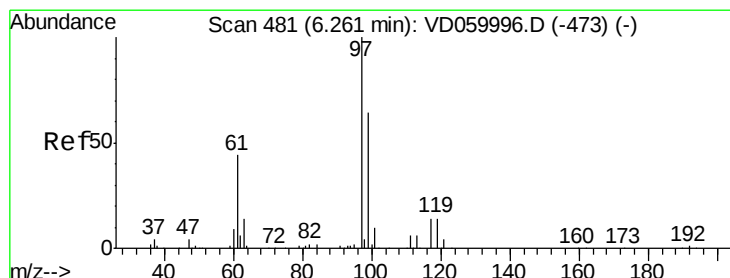
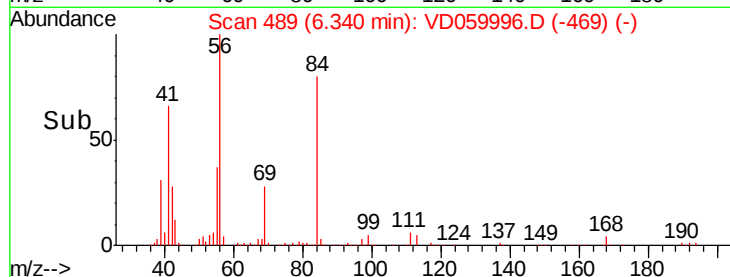
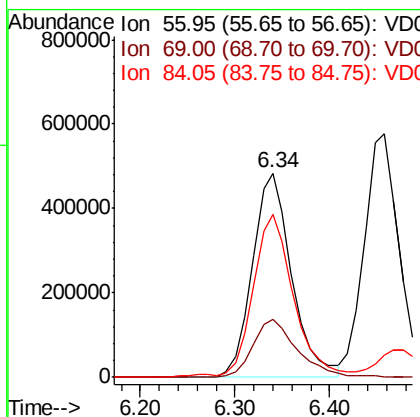
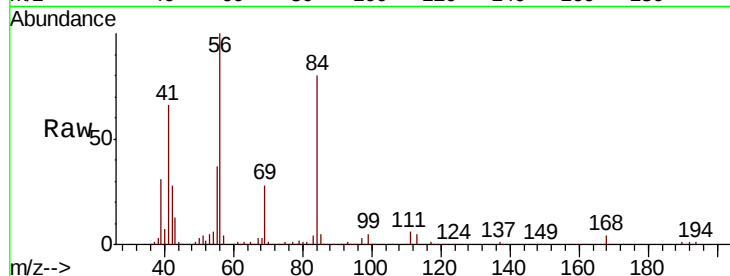
#31
Cyclohexane
Concen: 54.87 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.7	34.1
84	80.0	64.0	96.0

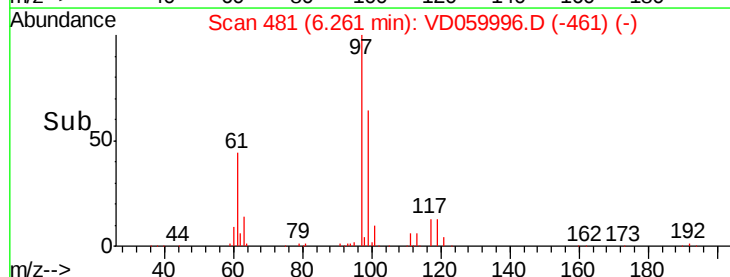
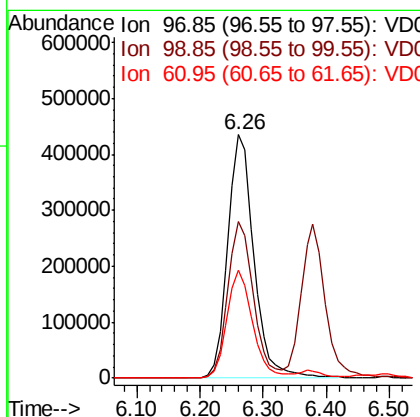
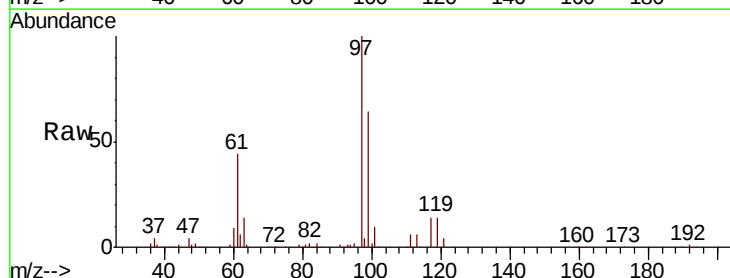
Manual Integrations
APPROVED

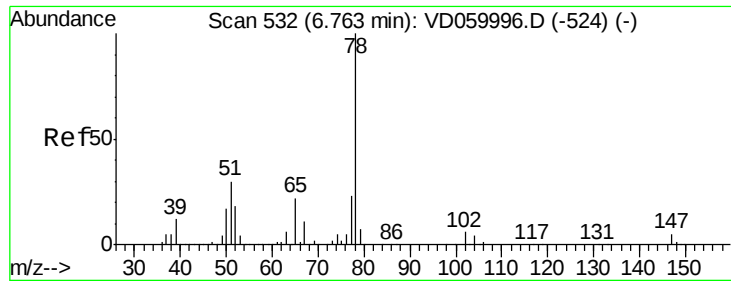
apatel
9/14/2018 10:56:58 AM



#32
1,1,1-Trichloroethane
Concen: 53.27 ug/l
RT: 6.26 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	44.4	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 53.27 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 599152

Ion Ratio Lower Upper

65 100

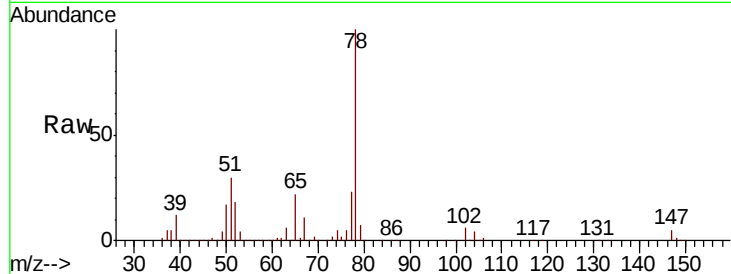
67 52.4 0.0 104.8

Manual Integrations

APPROVED

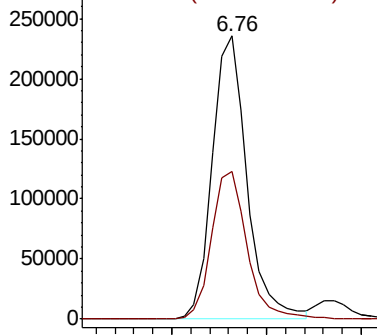
apatel

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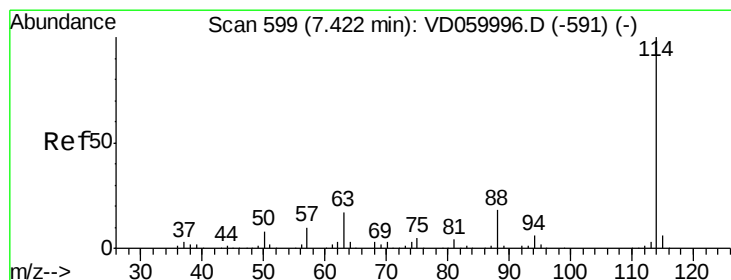
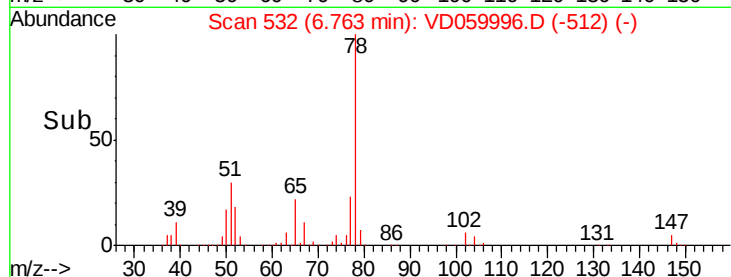


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

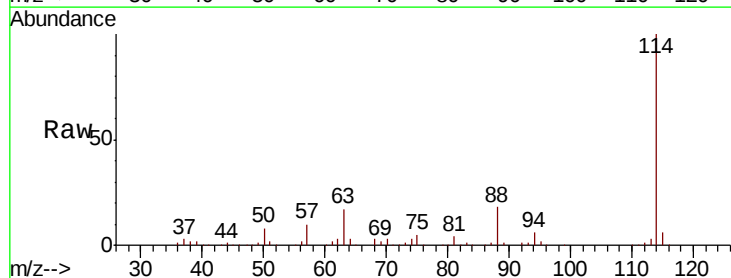
Tgt Ion: 114 Resp: 2102786

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

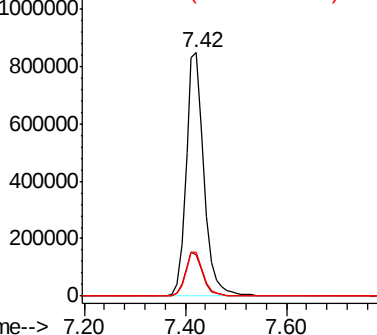
88 17.9 0.0 35.8



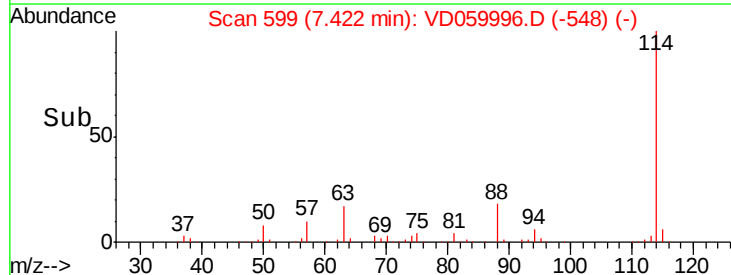
Abundance Ion 114.00 (113.70 to 114.70): V

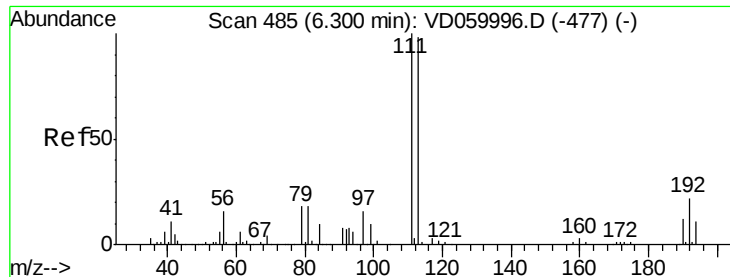
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

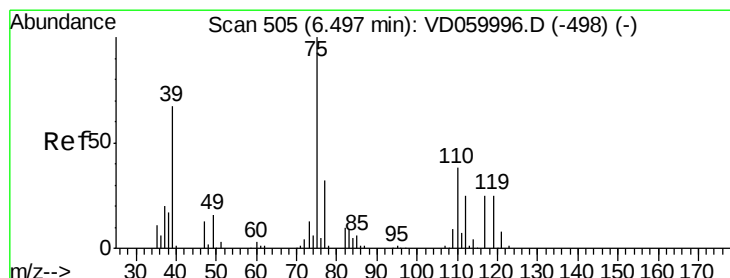
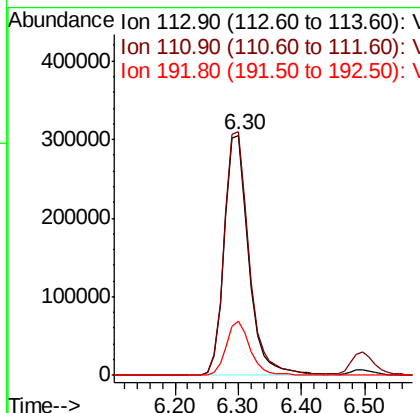
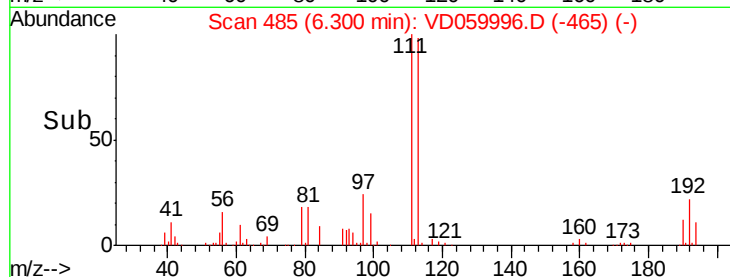
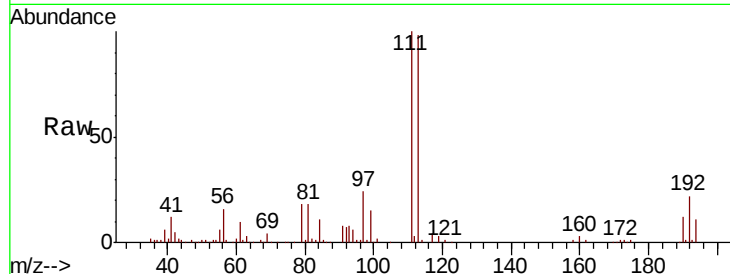
VSTDICCC050

Tot Ion:	113	Resp:	824016
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.3	121.9
192	22.6	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 56.17 ug/l

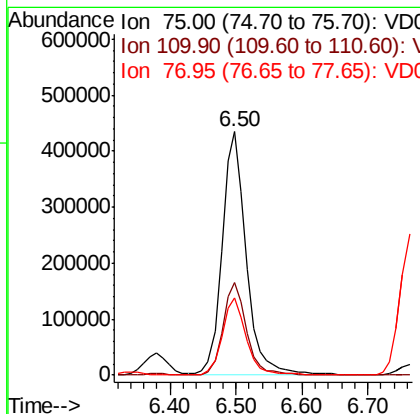
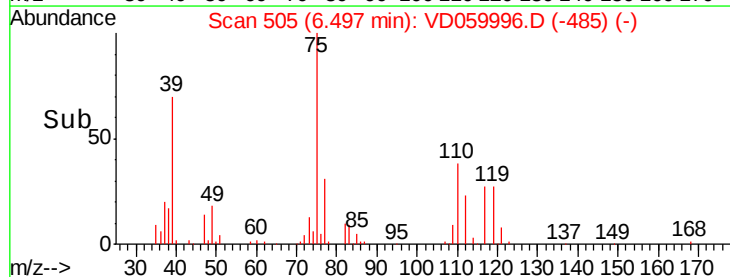
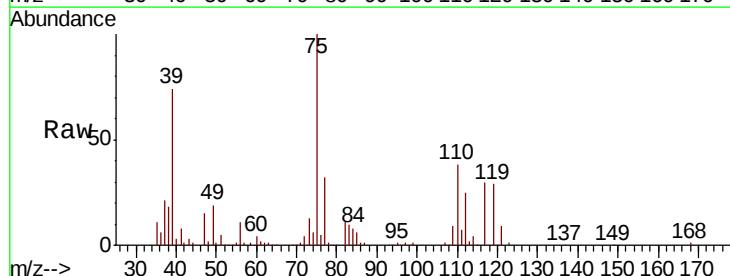
RT: 6.50 min Scan# 505

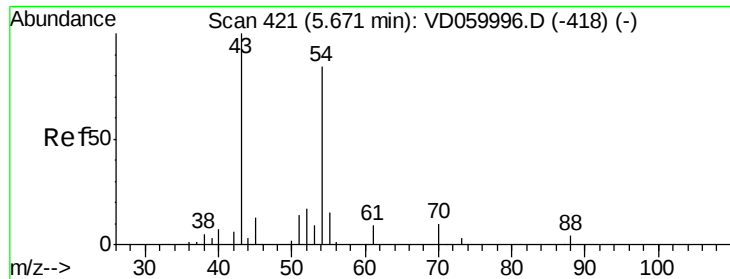
Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Tgt Ion:	75	Resp:	1095875
Ion Ratio	Lower	Upper	
75	100		
110	37.9	18.9	56.9
77	31.6	25.3	37.9





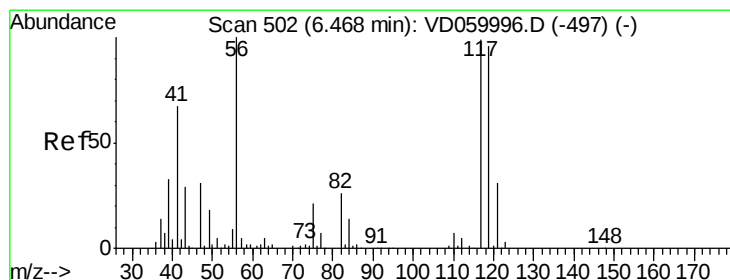
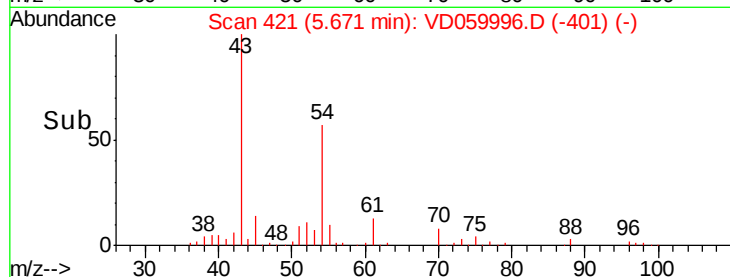
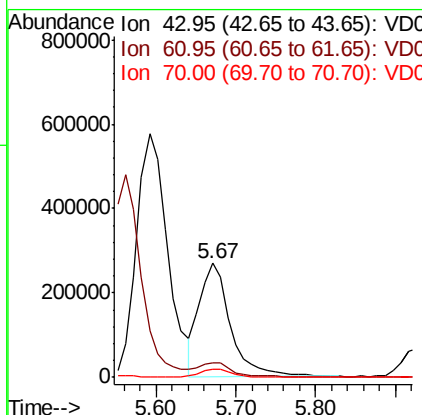
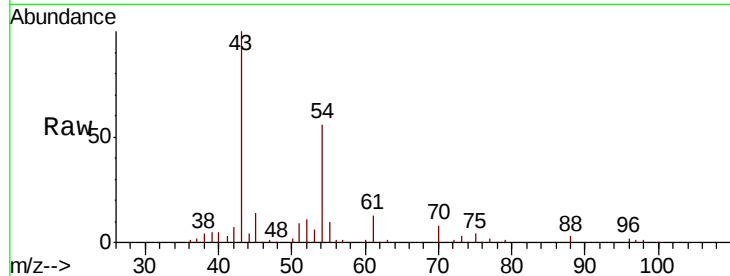
#37
Ethyl Acetate
Concen: 49.29 ug/l
RT: 5.67 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	7.6	6.1	9.1

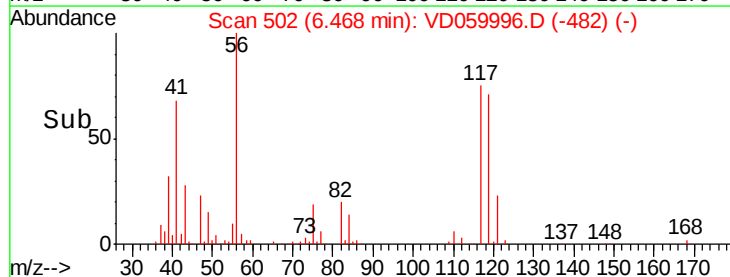
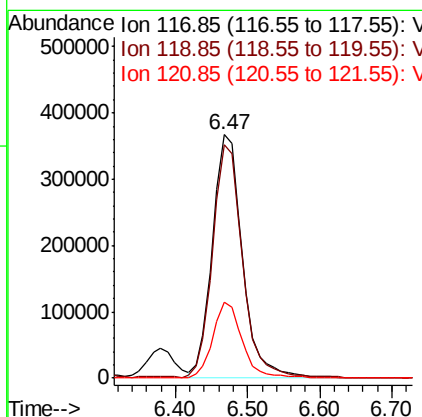
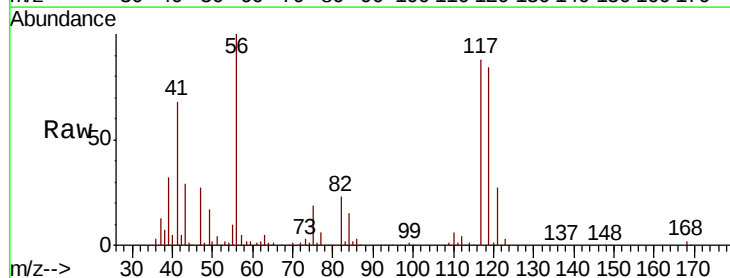
Manual Integrations
APPROVED

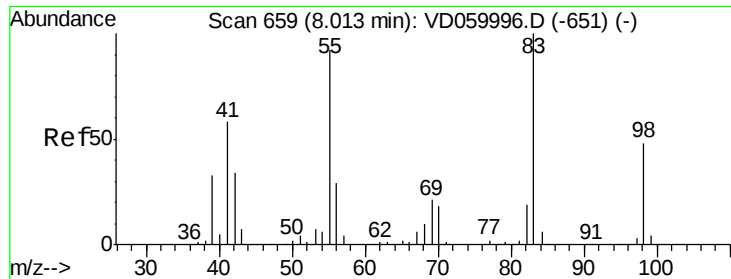
apatel
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#38
Carbon Tetrachloride
Concen: 53.34 ug/l
RT: 6.47 min Scan# 502
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.1	24.9	37.3





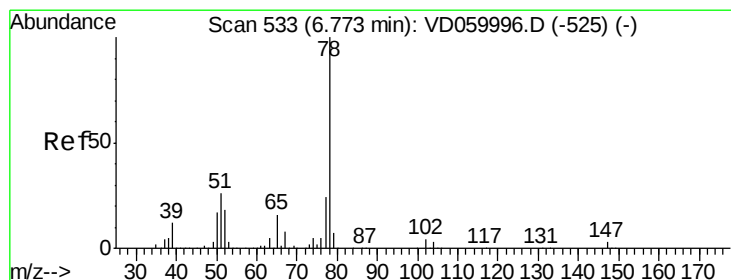
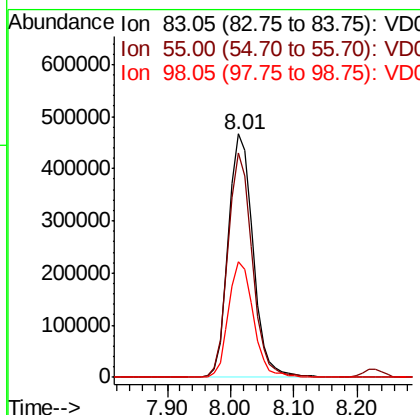
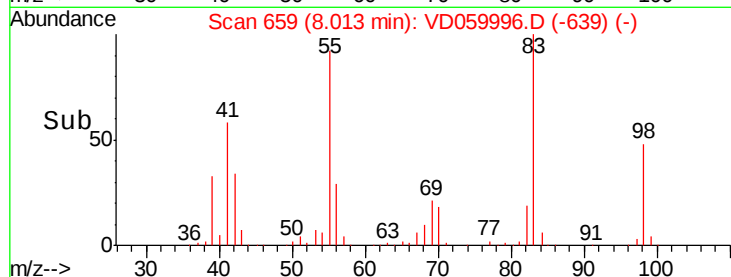
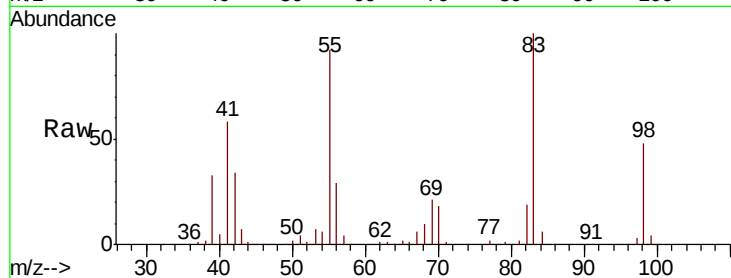
#39
Methvlcvclohexane
Concen: 59.37 ug/l
RT: 8.01 min Scan# 659
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 1262839
Ion Ratio Lower Upper
83 100
55 92.2 73.8 110.6
98 47.6 38.1 57.1

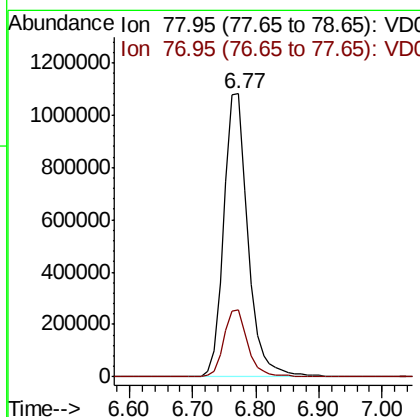
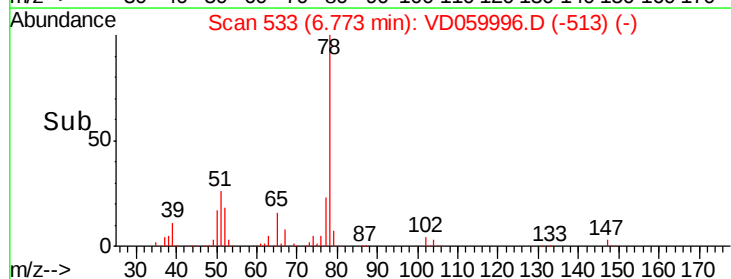
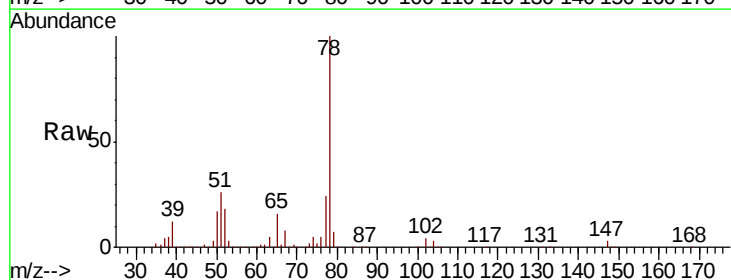
Manual Integrations
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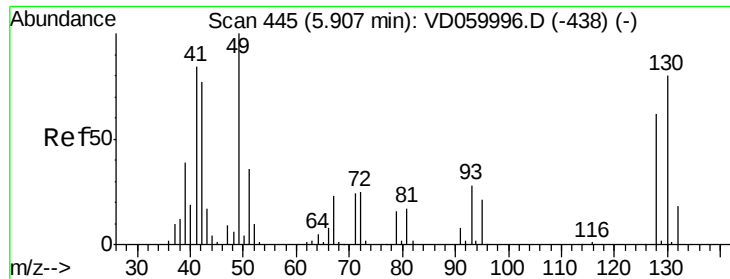
apatel
9/14/2018 10:56:58 AM



#40
Benzene
Concen: 56.71 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 78 Resp: 2882004
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





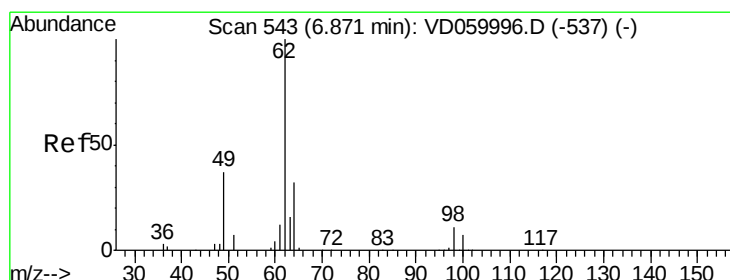
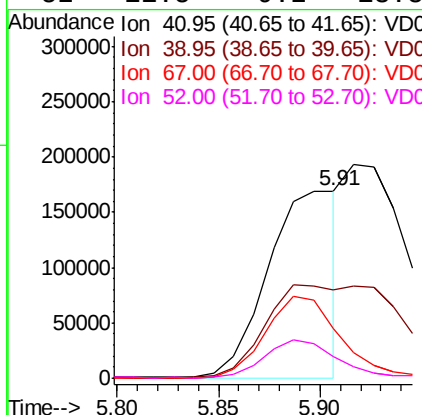
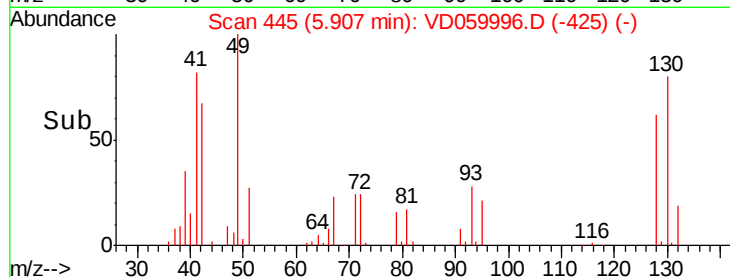
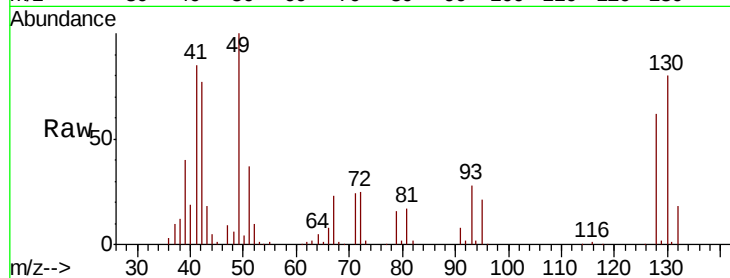
#41
Methacrylonitrile
Concen: 55.10 ug/l m
RT: 5.91 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.9	37.5	56.3
67	26.9	21.5	32.3
52	11.5	9.2	13.8

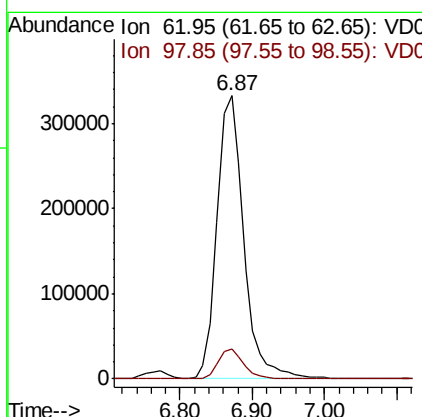
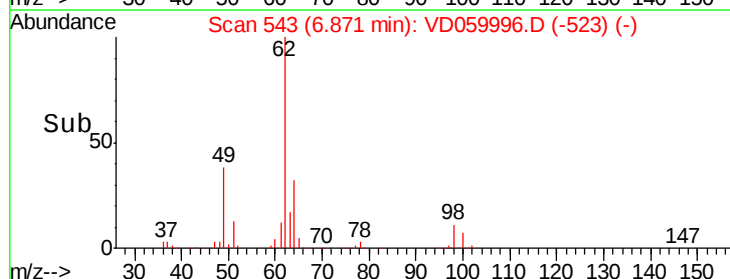
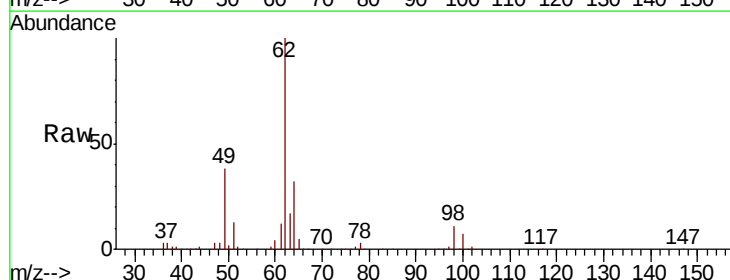
Manual Integrations
APPROVED

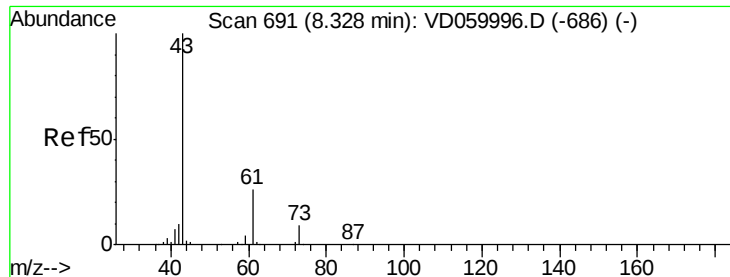
apatel
9/14/2018 10:56:58 AM



#42
1,2-Dichloroethane
Concen: 53.08 ug/l
RT: 6.87 min Scan# 543
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





#43

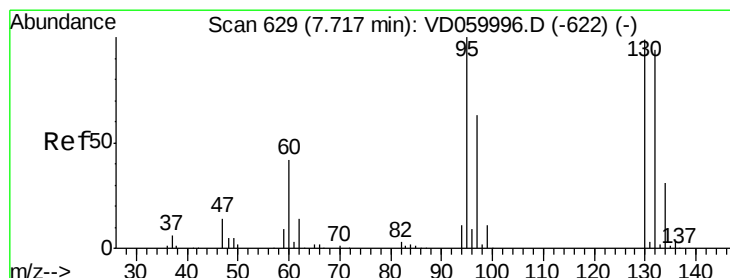
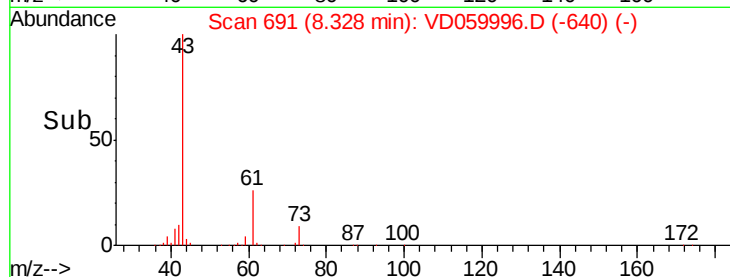
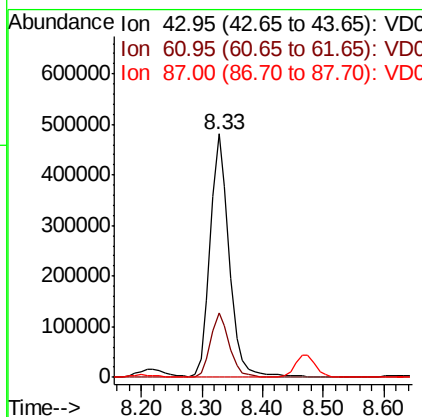
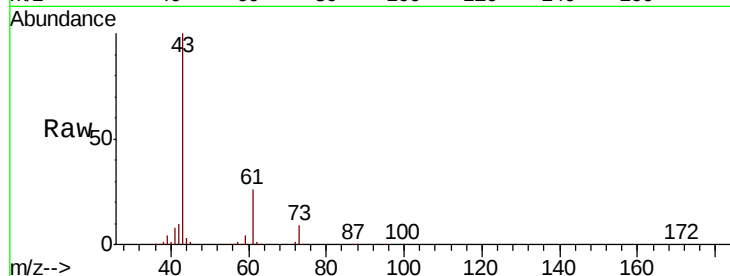
Isopropyl Acetate
 Concen: 54.12 ug/l
 RT: 8.33 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1046290
 Ion Ratio Lower Upper
 43 100
 61 26.3 21.0 31.6
 87 0.2 0.2 0.2

Manual Integrations
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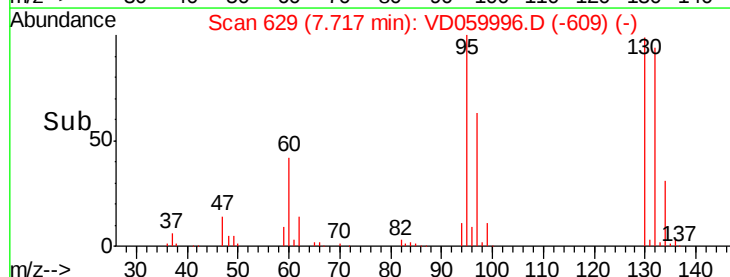
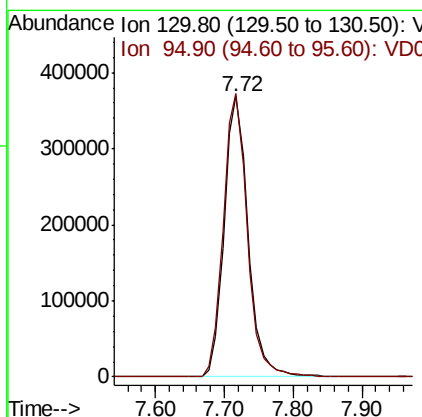
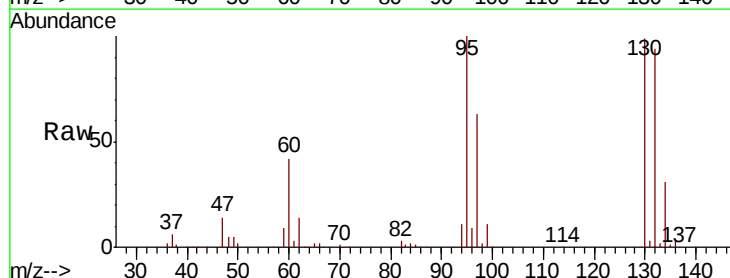
apatel
 9/14/2018 10:56:58 AM

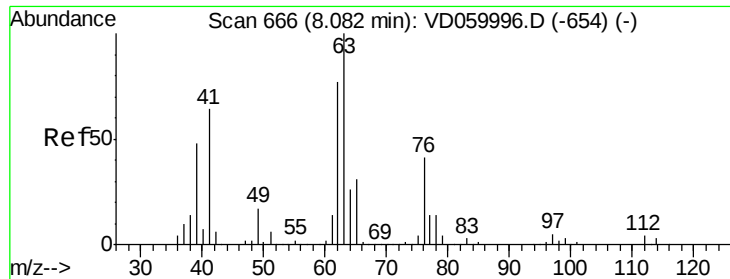


#44

Trichloroethene
 Concen: 58.77 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion: 130 Resp: 885227
 Ion Ratio Lower Upper
 130 100
 95 101.0 0.0 202.0





#45

1,2-Dichloropropane

Concen: 55.05 ug/l

RT: 8.08 min Scan# 666

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 772723

Ion Ratio Lower Upper

63 100

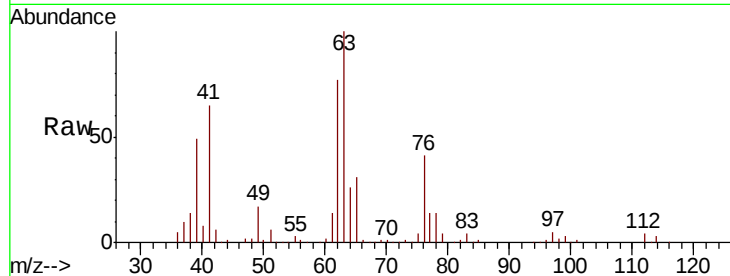
65 30.8 24.6 37.0

Manual Integrations

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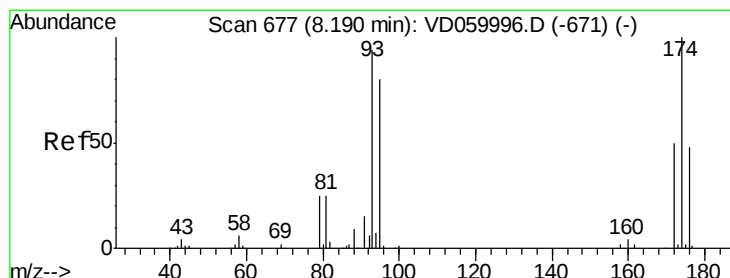
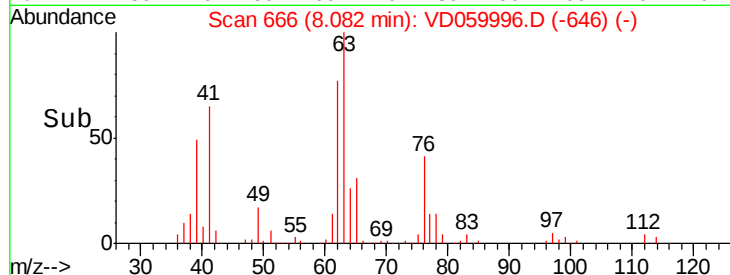
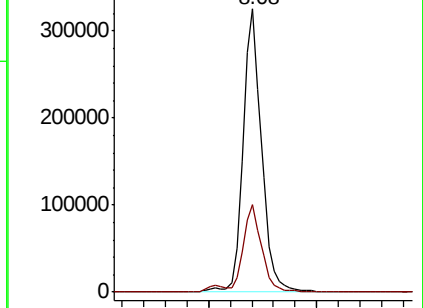
apatel

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.94 ug/l

RT: 8.19 min Scan# 677

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

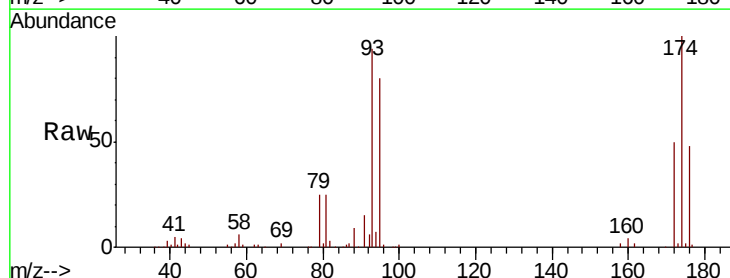
Tgt Ion: 93 Resp: 505380

Ion Ratio Lower Upper

93 100

95 85.0 68.0 102.0

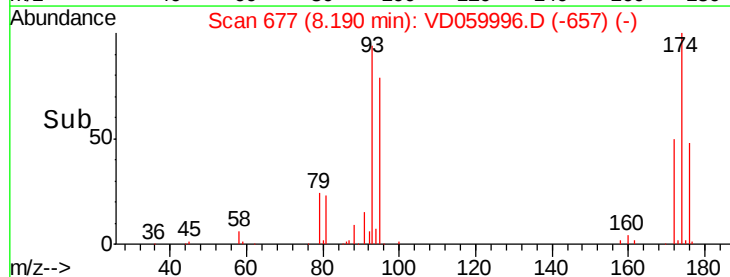
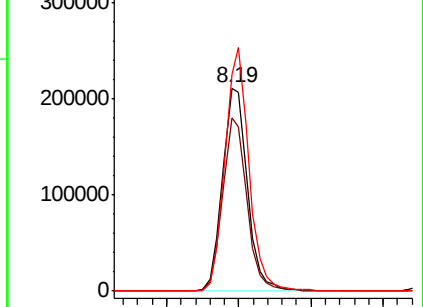
174 106.8 85.4 128.2

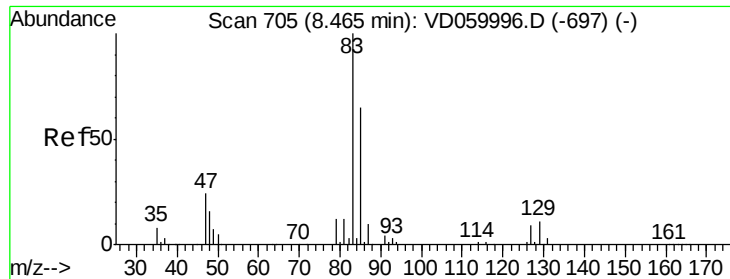


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 52.52 ug/l

RT: 8.47 min Scan# 705

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 1064870

Ion Ratio Lower Upper

83 100

85 64.9 51.9 77.9

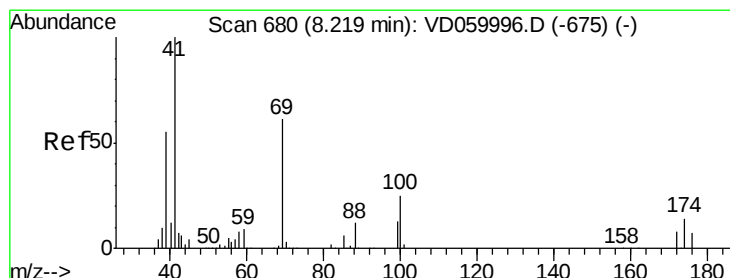
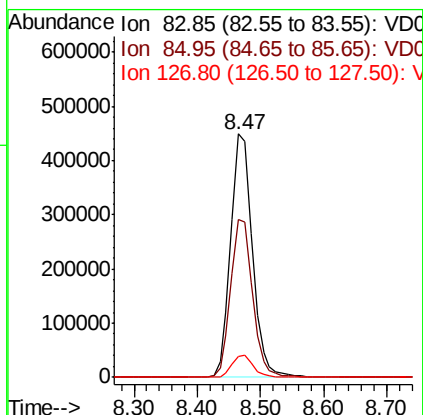
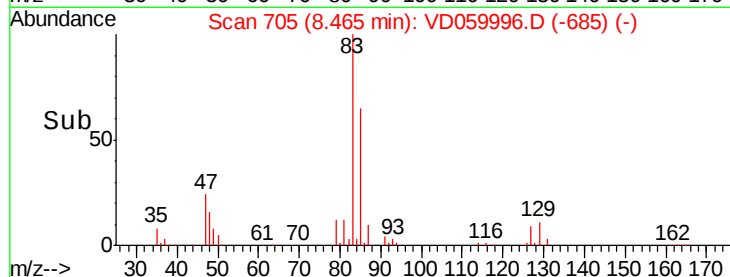
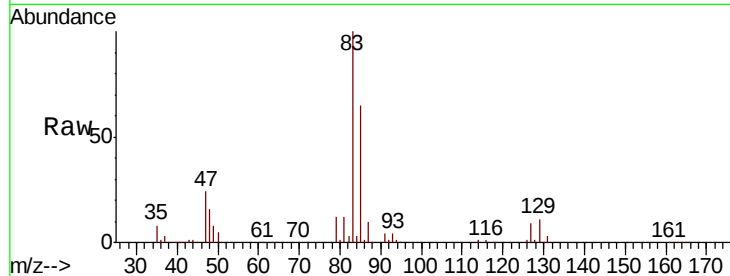
127 8.5 6.8 10.2

Manual Integrations

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#48

Methyl methacrylate

Concen: 51.79 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

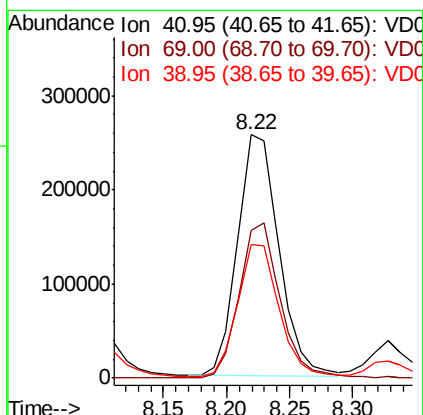
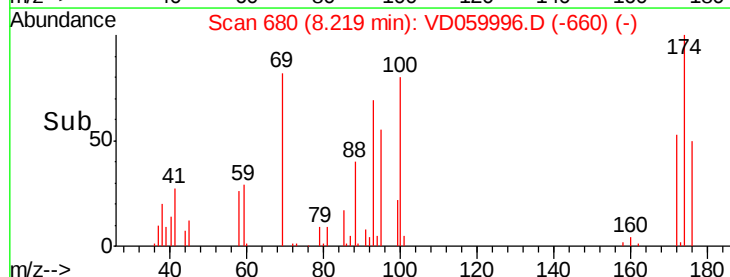
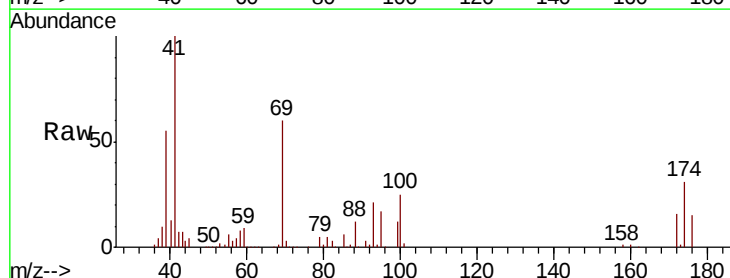
Tgt Ion: 41 Resp: 582725

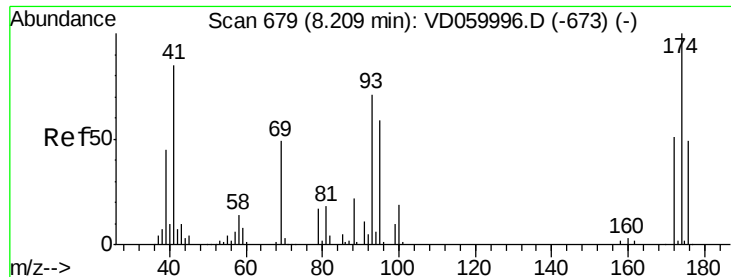
Ion Ratio Lower Upper

41 100

69 60.4 48.3 72.5

39 55.1 44.1 66.1





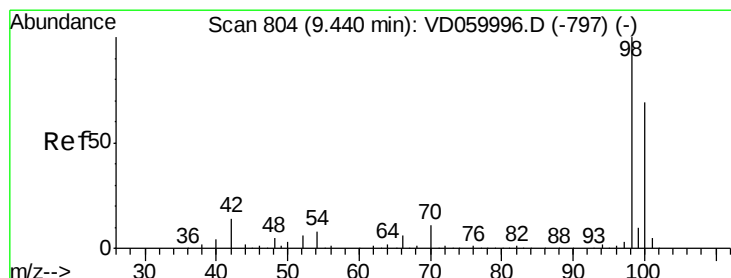
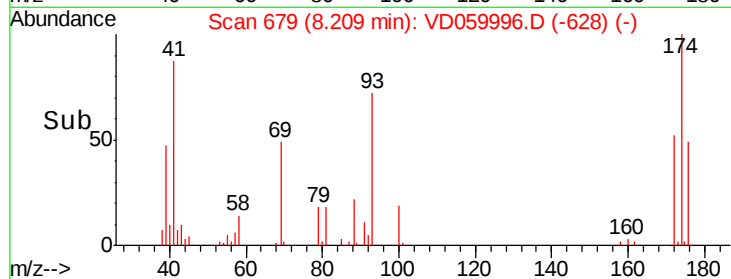
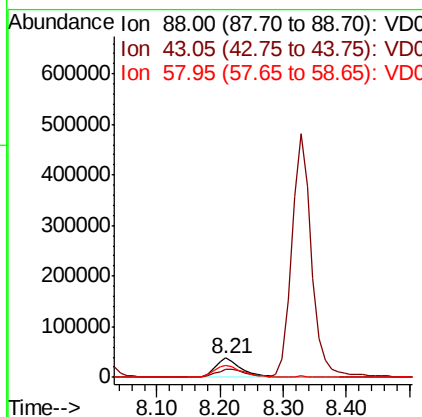
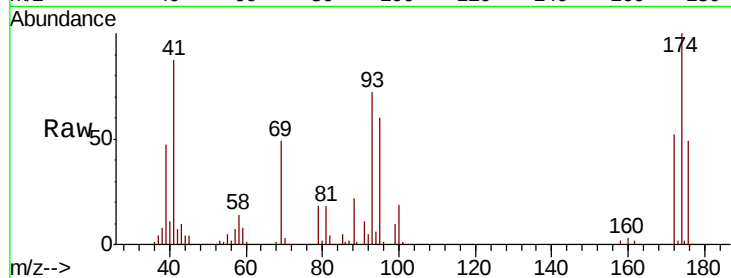
#49
1,4-Dioxane
Concen: 1136.05 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.2	36.2	54.2
58	63.8	51.0	76.6

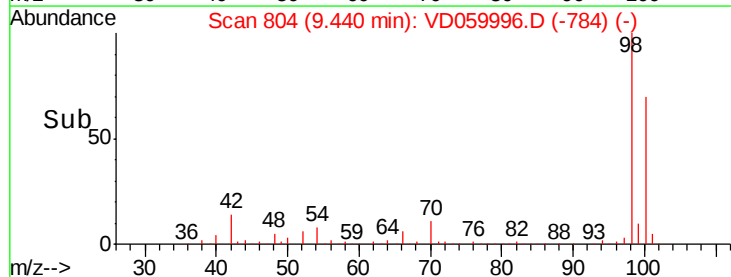
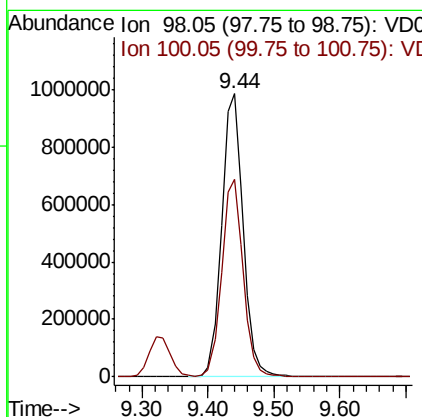
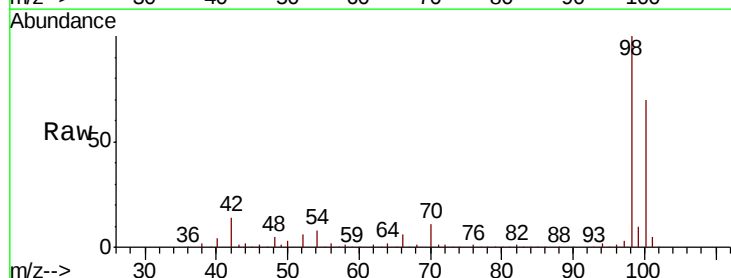
Manual Integrations
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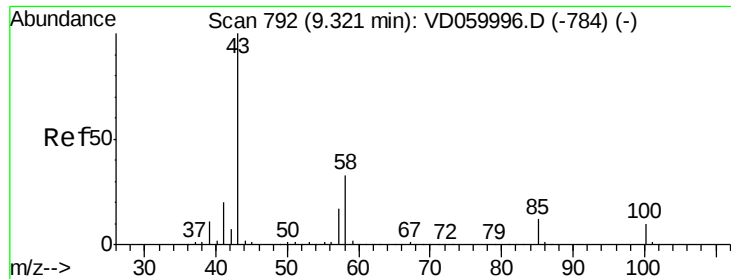
apatel
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#50
Toluene-d8
Concen: 1136.05 ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 226.19 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3117414

Ion Ratio Lower Upper

43 100

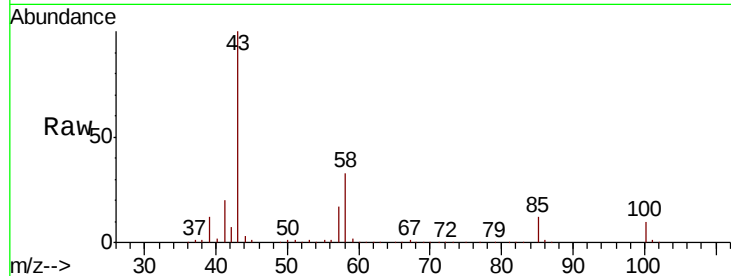
58 33.0 26.4 39.6

Manual Integrations

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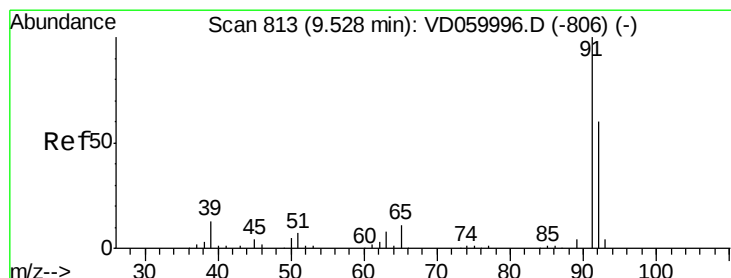
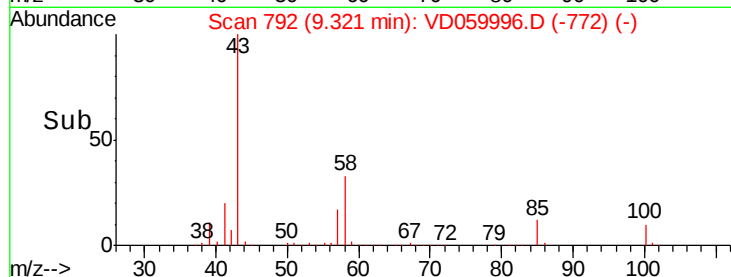
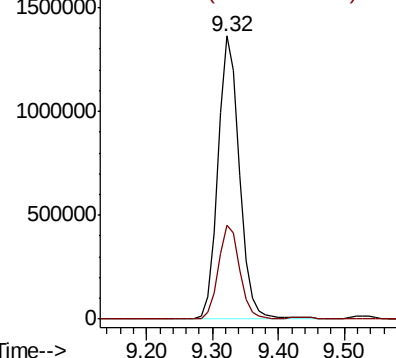
apatel

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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: 56.29 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059996.D

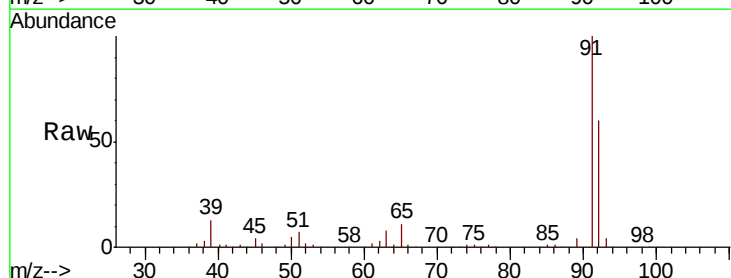
Acq: 13 Sep 2018 13:42

Tgt Ion: 92 Resp: 1830274

Ion Ratio Lower Upper

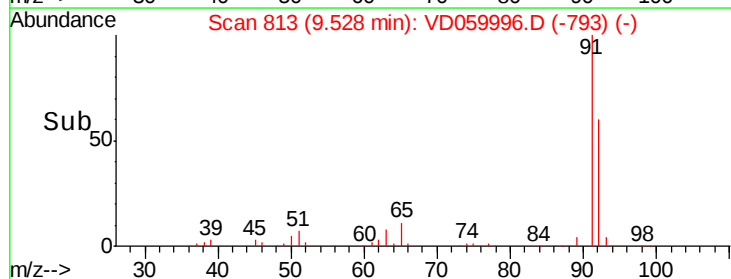
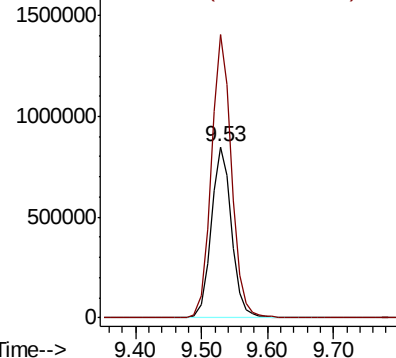
92 100

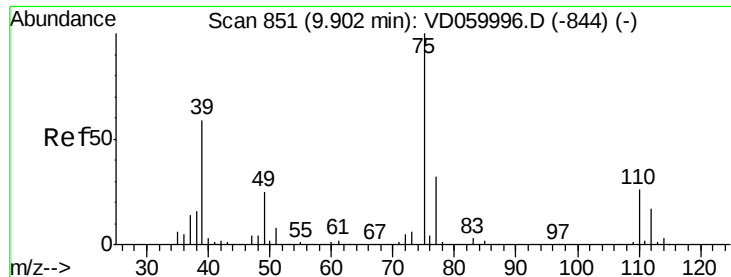
91 165.4 132.3 198.5



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: 52.64 ug/l

RT: 9.90 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 984514

Ion Ratio Lower Upper

75 100

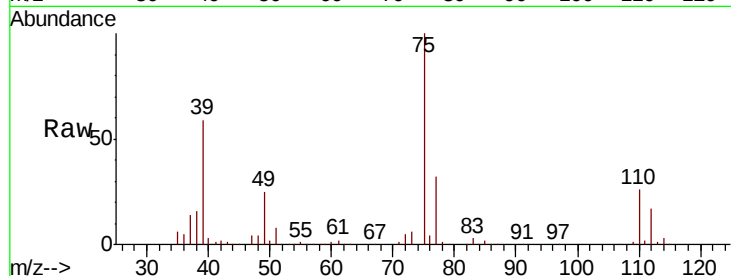
77 32.0 25.6 38.4

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

500000

400000

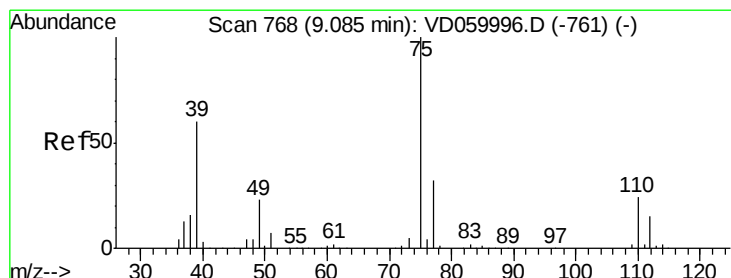
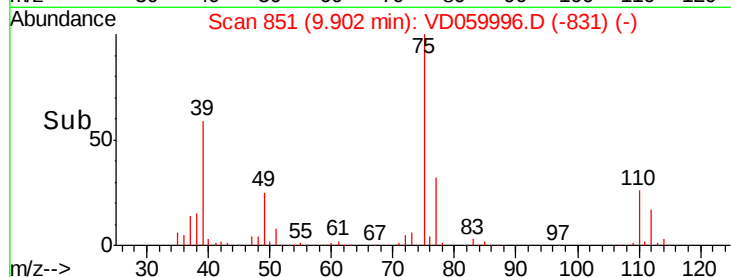
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.61 ug/l

RT: 9.09 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

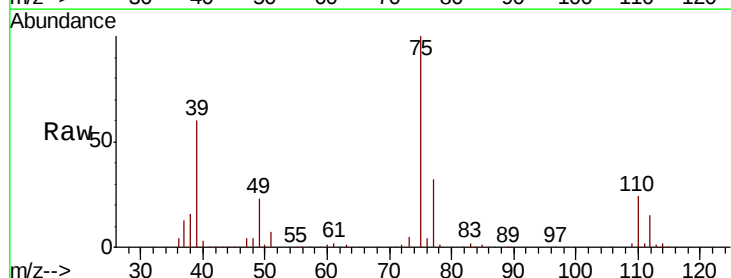
Tgt Ion: 75 Resp: 1199104

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 60.0 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

9.09

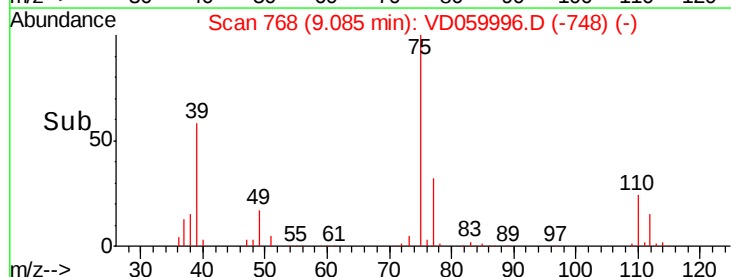
600000

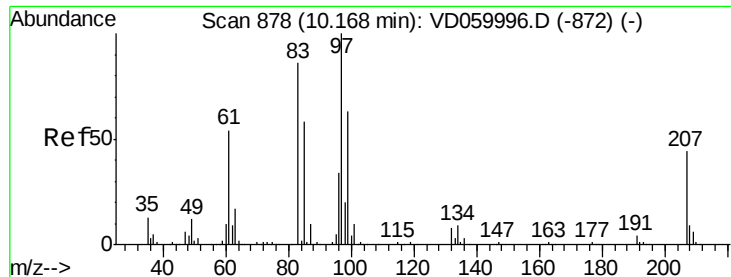
400000

200000

0

Time-->





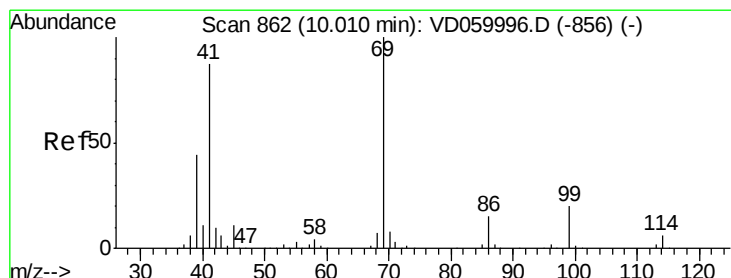
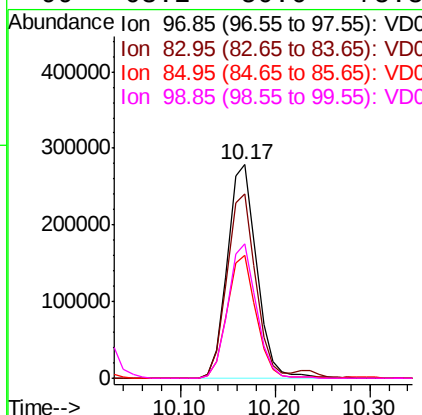
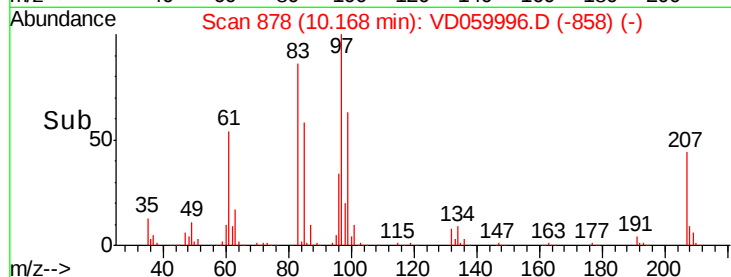
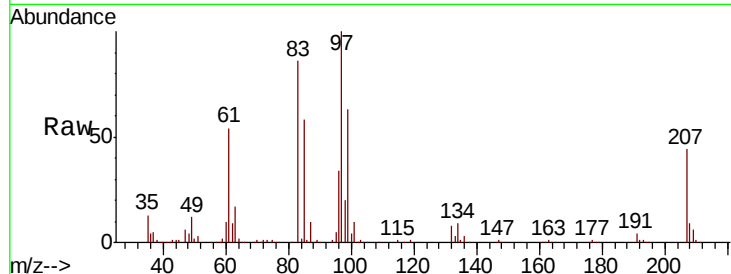
#55
 1,1,2-Trichloroethane
 Concen: 51.09 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		598841		
83	86.4	69.1	103.7		
85	57.8	46.2	69.4		
99	63.2	50.6	75.8		

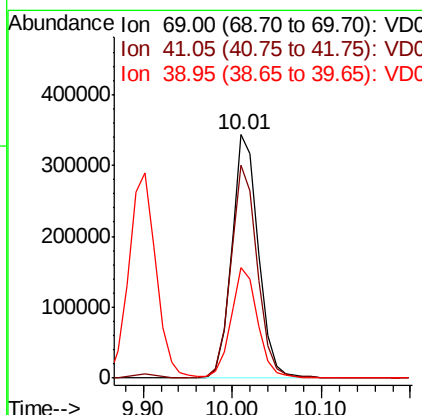
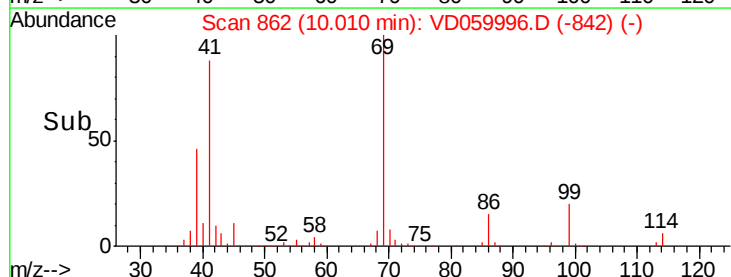
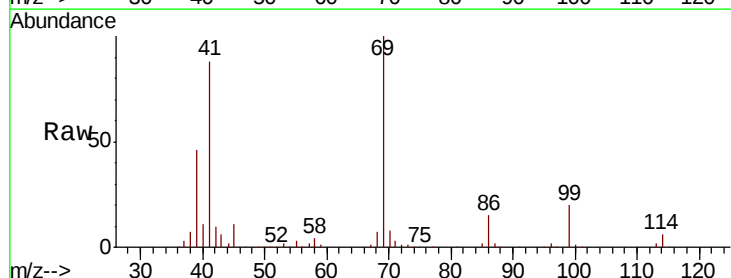
Manual Integrations
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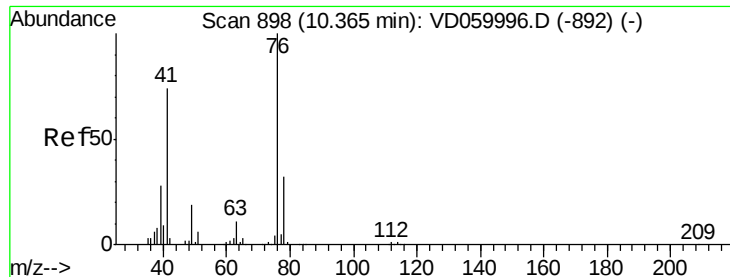
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#56
 Ethyl methacrylate
 Concen: 53.23 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		714590		
41	87.6	70.1	105.1		
39	45.6	36.5	54.7		





#57

1,3-Dichloropropane

Concen: 55.13 ug/l

RT: 10.36 min Scan# 898

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 936579

Ion Ratio Lower Upper

76 100

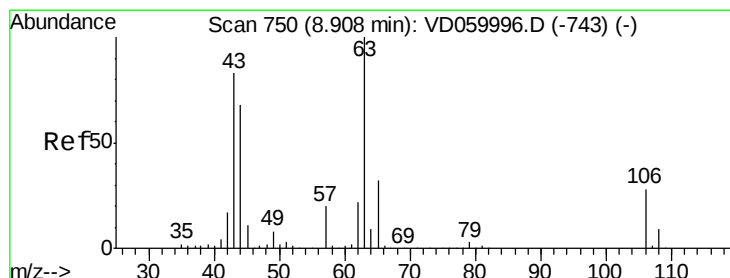
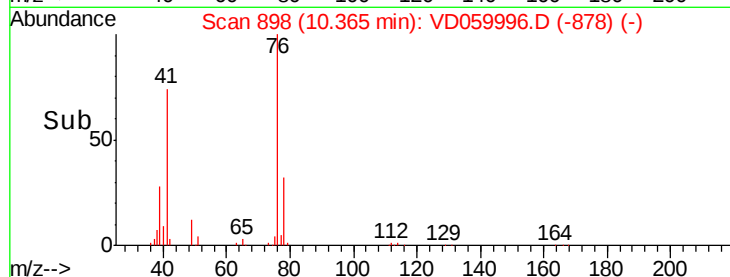
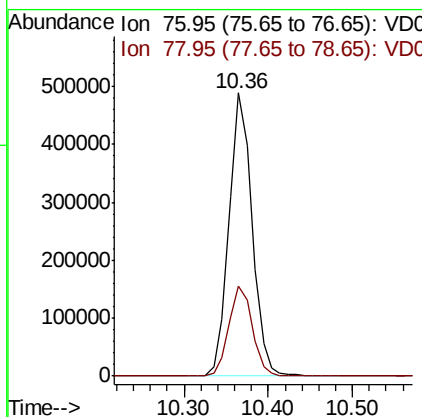
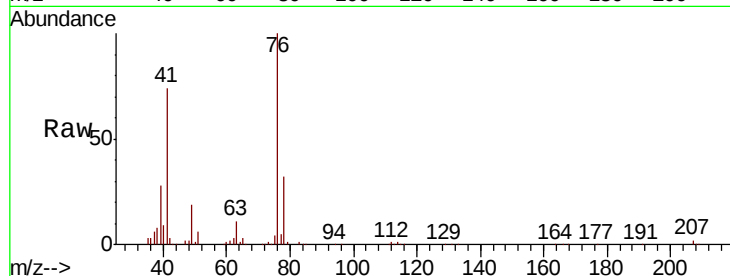
78 31.6 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 247.29 ug/l

RT: 8.91 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD059996.D

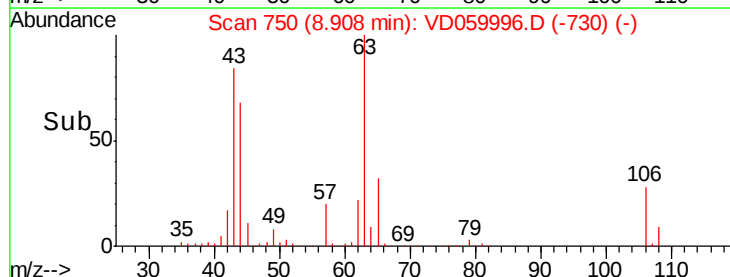
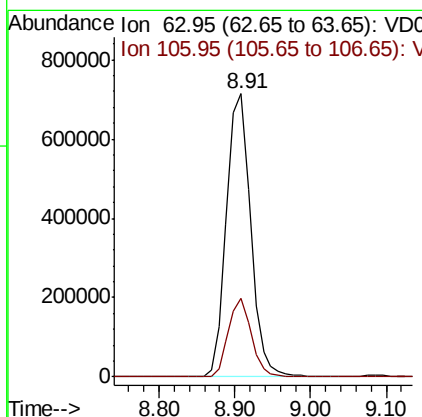
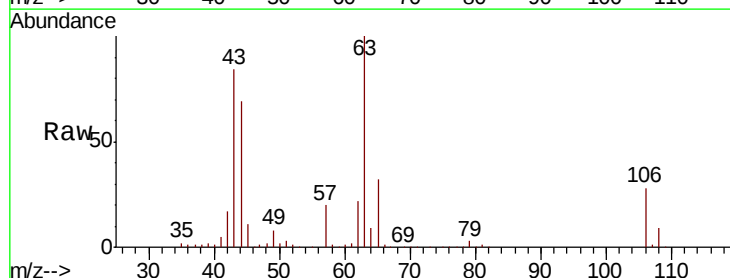
Acq: 13 Sep 2018 13:42

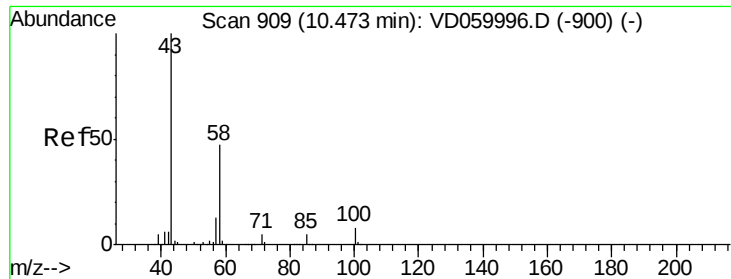
Tgt Ion: 63 Resp: 1590438

Ion Ratio Lower Upper

63 100

106 27.5 22.0 33.0





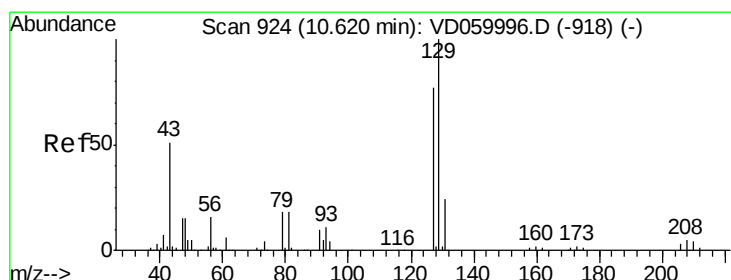
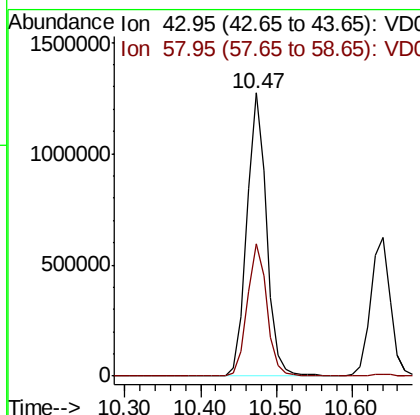
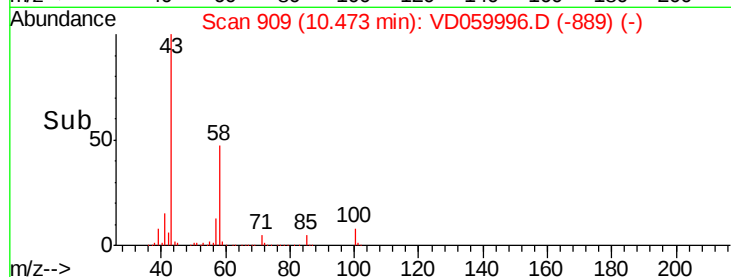
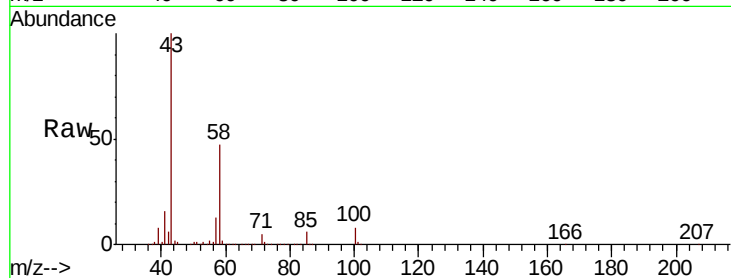
#59
2-Hexanone
Concen: 225.50 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2291927
Ion Ratio Lower Upper
43 100
58 46.7 23.4 70.0

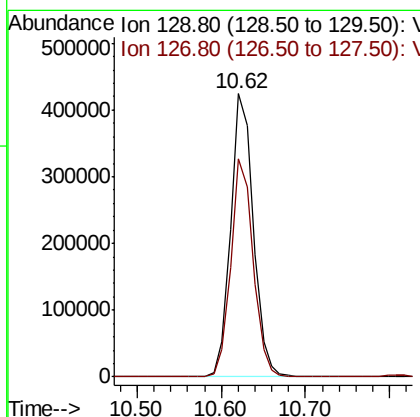
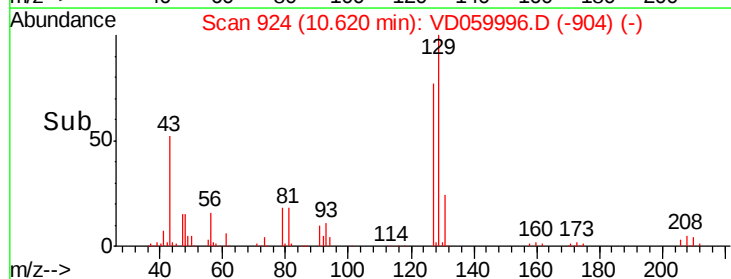
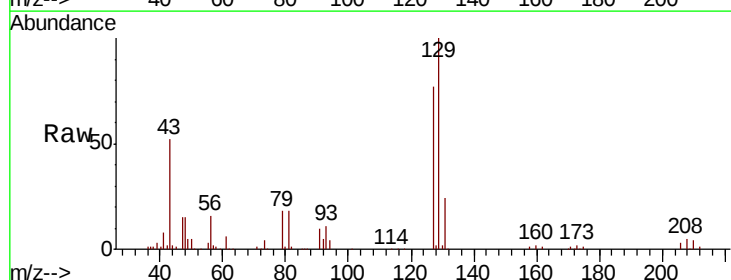
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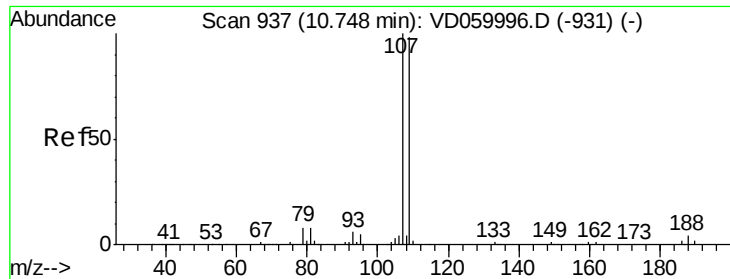
apatel
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#60
Dibromochloromethane
Concen: 54.08 ug/l
RT: 10.62 min Scan# 924
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 129 Resp: 795316
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 54.38 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 643921

Ion Ratio Lower Upper

107 100

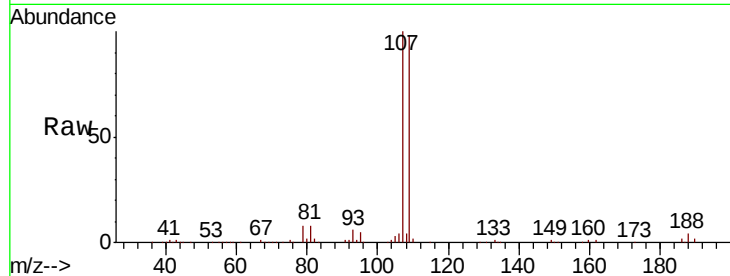
109 97.7 78.2 117.2

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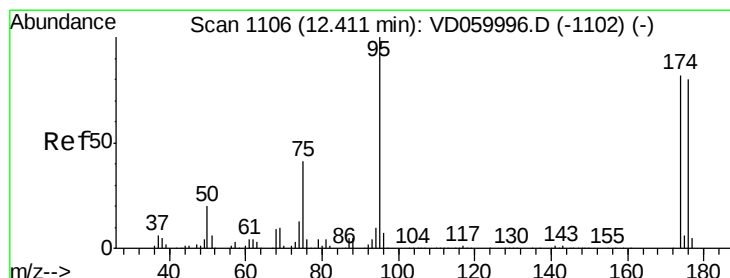
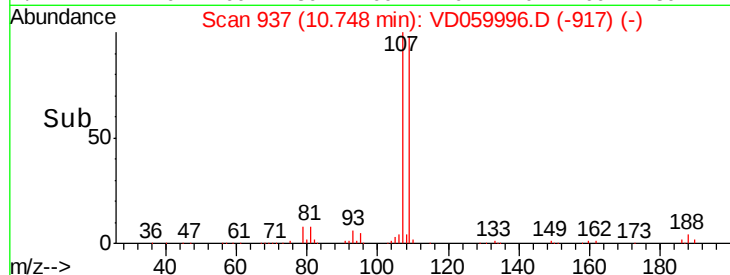
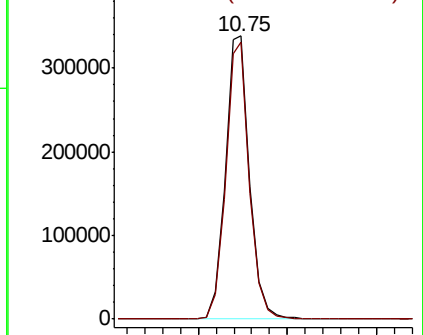
apatel

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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: 54.38 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

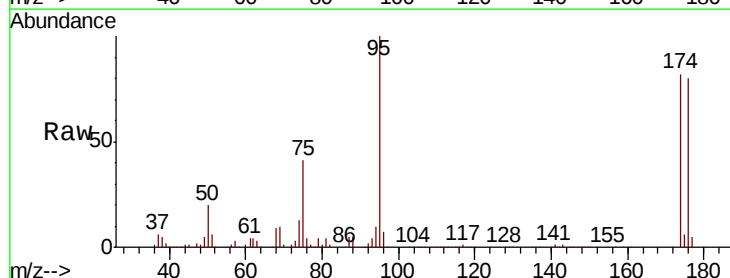
Tgt Ion: 95 Resp: 877558

Ion Ratio Lower Upper

95 100

174 82.5 0.0 165.0

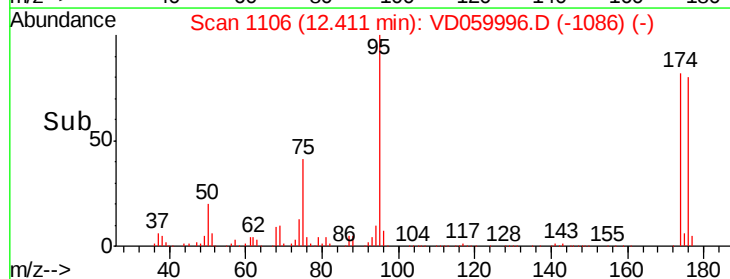
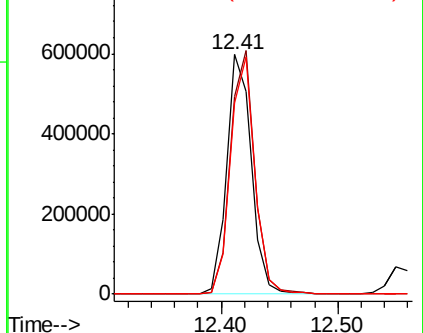
176 80.1 0.0 160.2

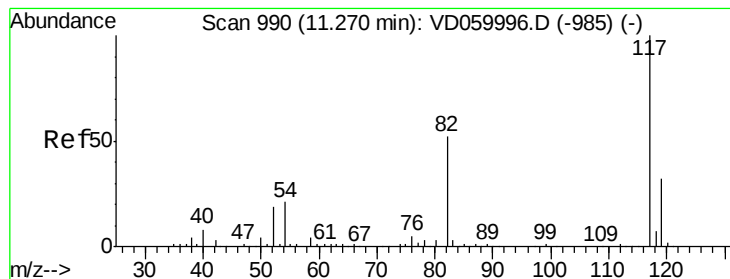


Abundance Ion 95.00 (94.70 to 95.70): V

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: 11.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:117 Resp: 1707002

Ion Ratio Lower Upper

117 100

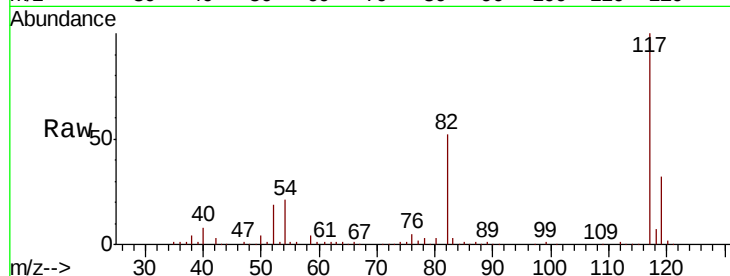
82 52.1 41.7 62.5

119 32.5 26.0 39.0

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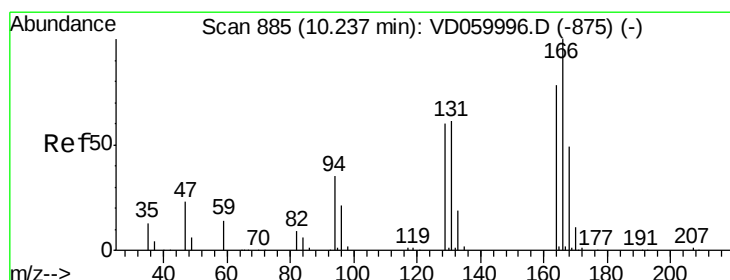
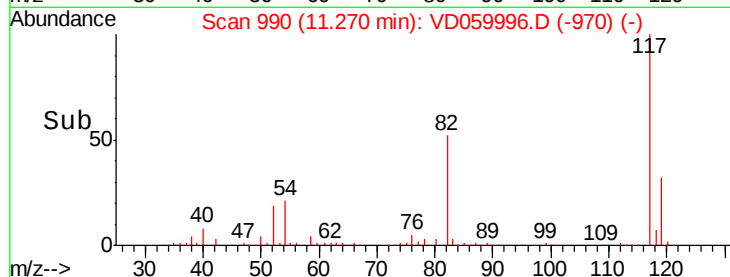
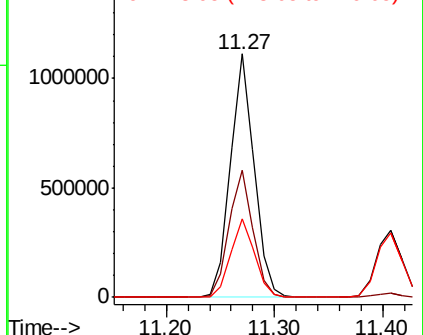
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Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 59.25 ug/l

RT: 10.24 min Scan# 885

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Tgt Ion:164 Resp: 811503

Ion Ratio Lower Upper

164 100

166 128.8 103.0 154.6

129 77.4 61.9 92.9

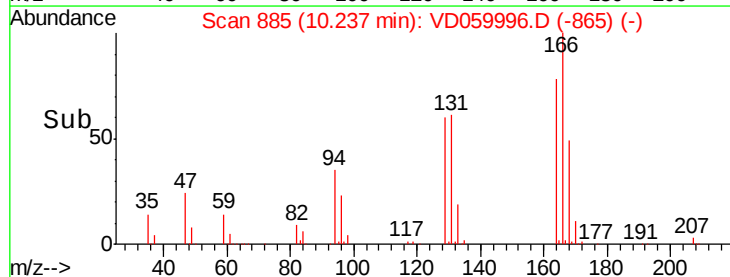
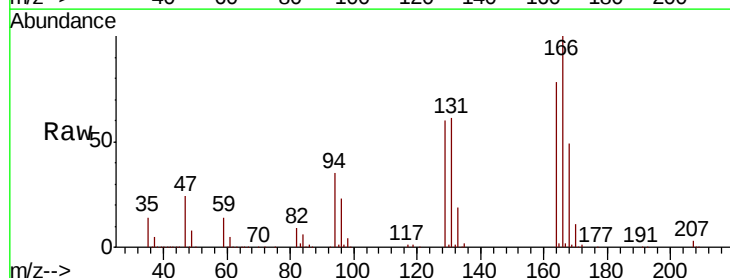
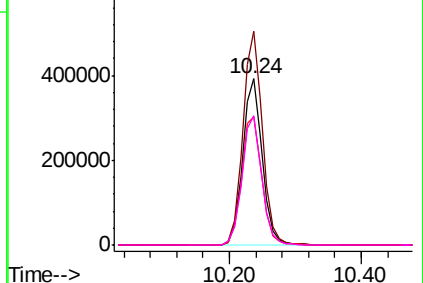
131 78.2 62.6 93.8

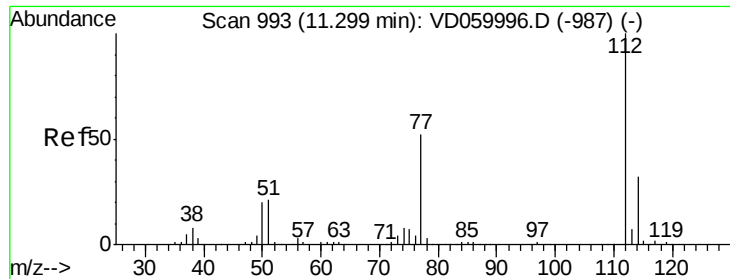
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





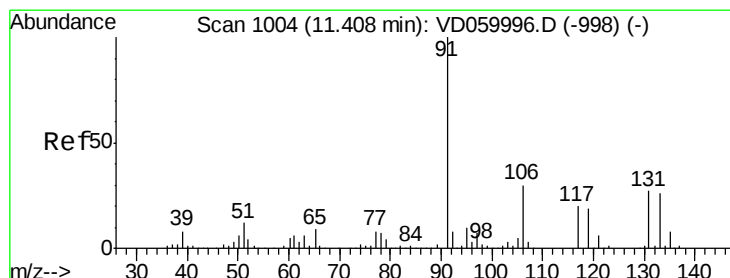
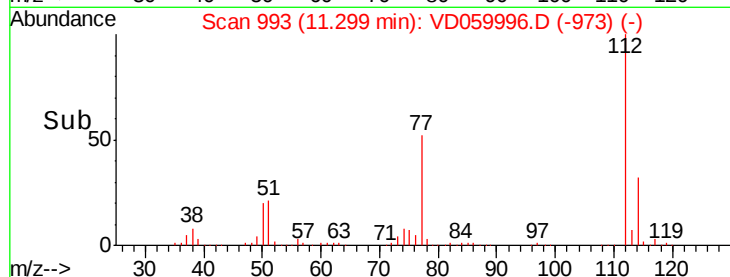
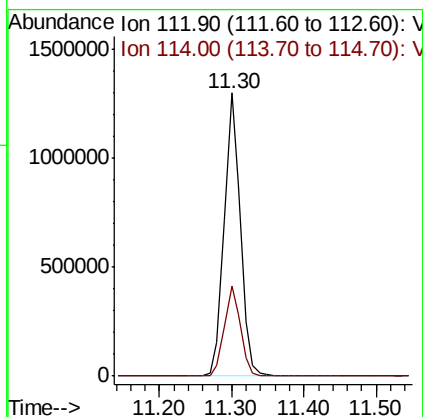
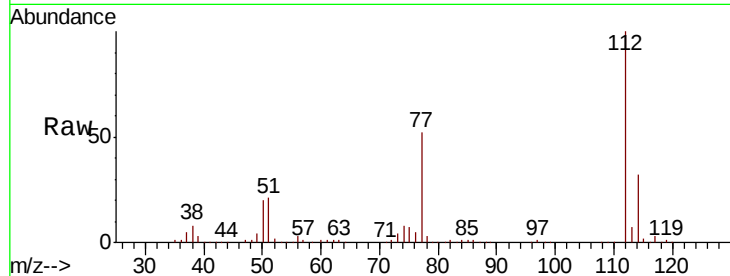
#65
Chlorobenzene
Concen: 57.58 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 2004597
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

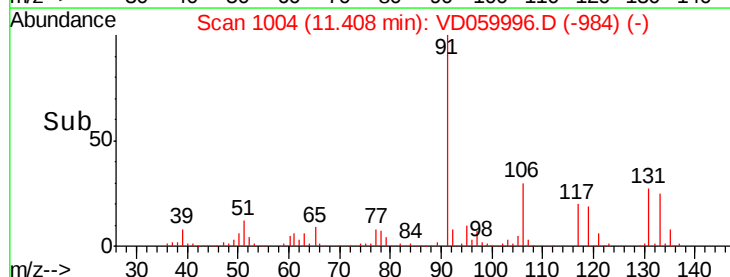
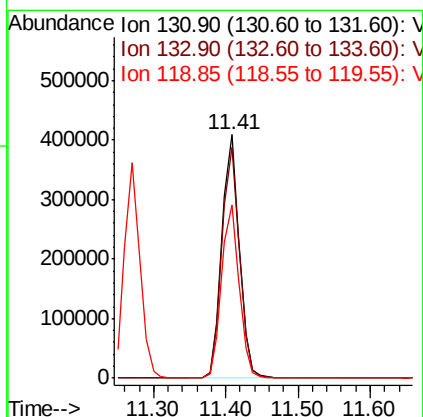
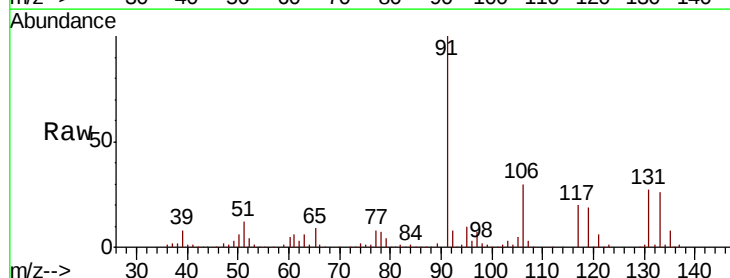
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.47 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion:131 Resp: 683503
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 71.3 35.6 106.9





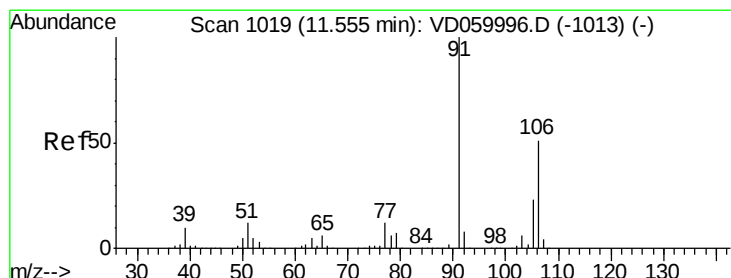
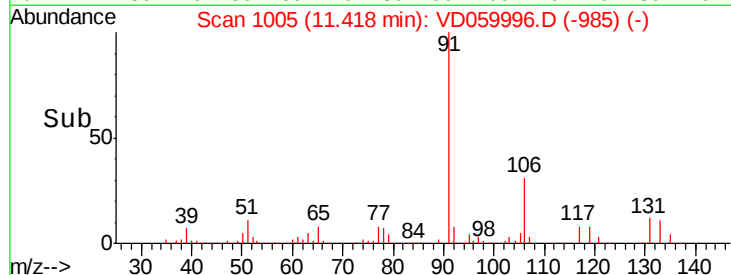
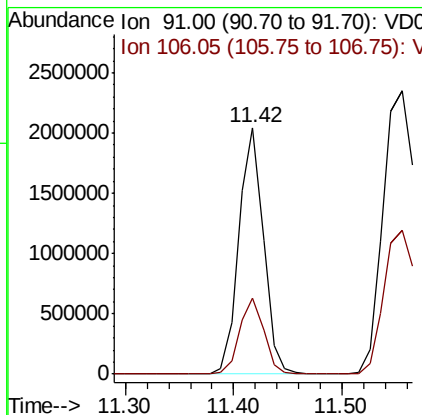
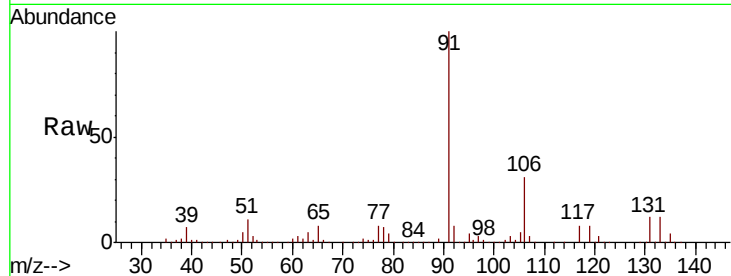
#67
Ethyl Benzene
Concen: 55.42 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleID :
VSTDICCC050

Tot Ion: 91 Resp: 3223359
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

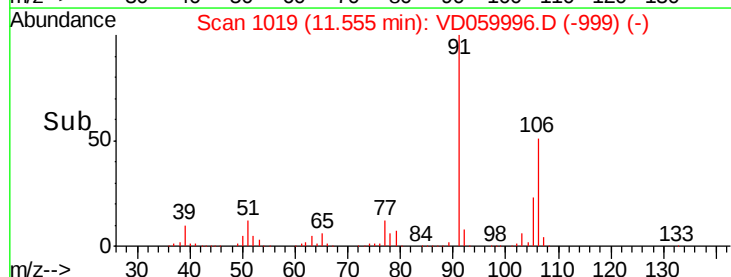
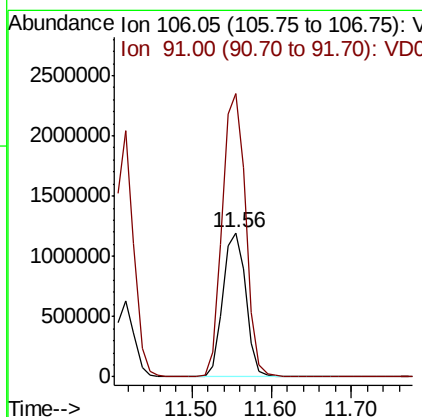
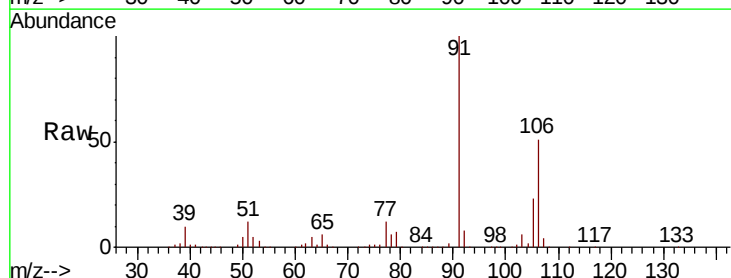
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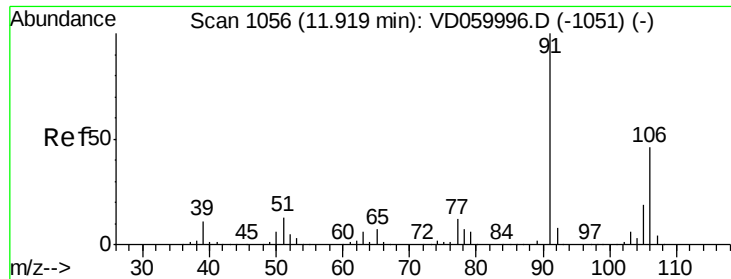
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#68
m/p-Xylenes
Concen: 114.18 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 106 Resp: 2441452
Ion Ratio Lower Upper
106 100
91 196.3 157.0 235.6





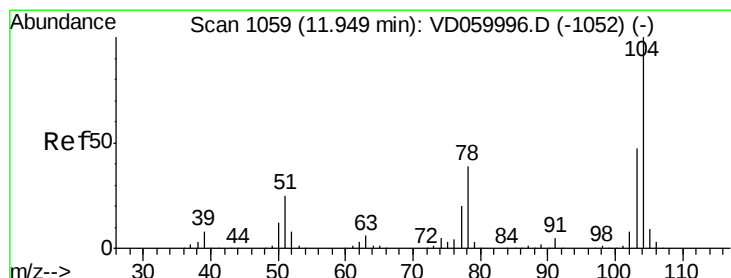
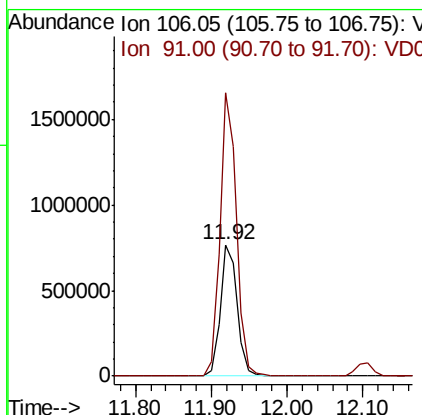
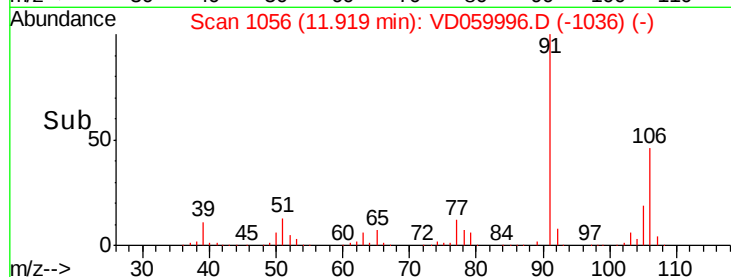
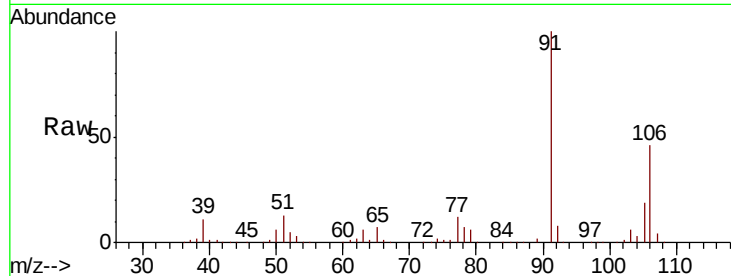
#69
o-Xylene
Concen: 56.93 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 1187355
Ion Ratio Lower Upper
106 100
91 215.4 107.7 323.1

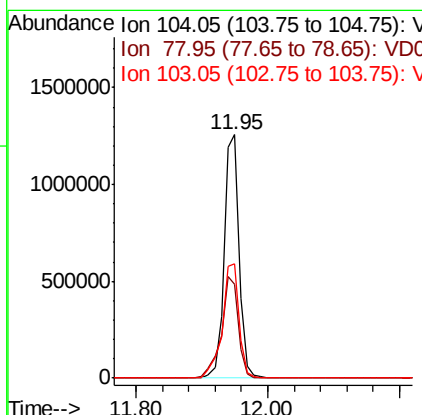
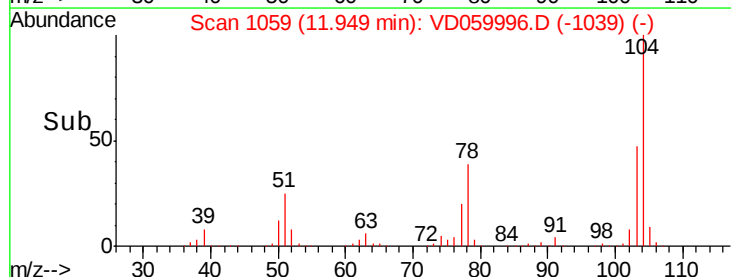
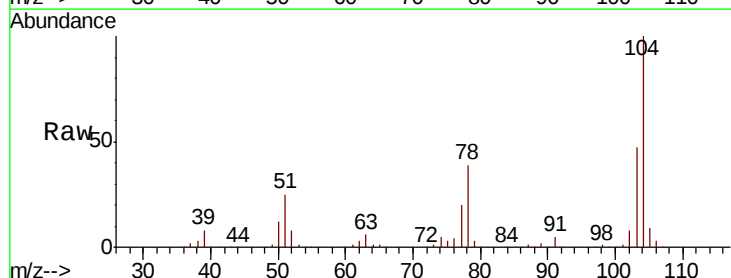
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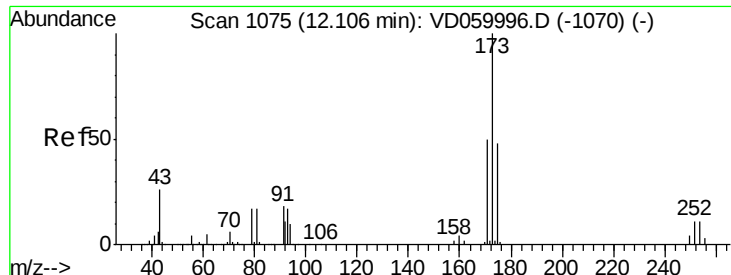
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#70
Styrene
Concen: 55.21 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion:104 Resp: 1979939
Ion Ratio Lower Upper
104 100
78 38.7 31.0 46.4
103 47.0 37.6 56.4





#71

Bromoform

Concen: 55.04 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

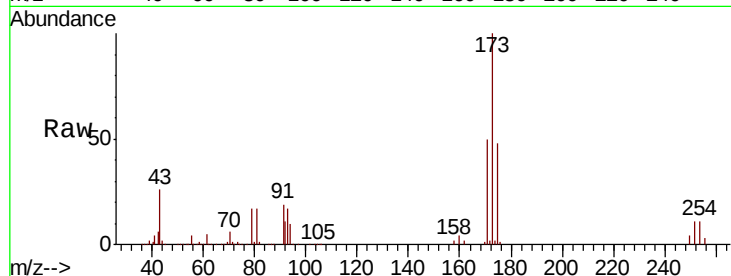
ClientSampled :

VSTDICCC050

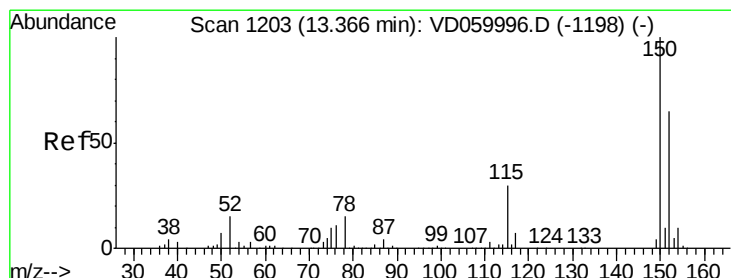
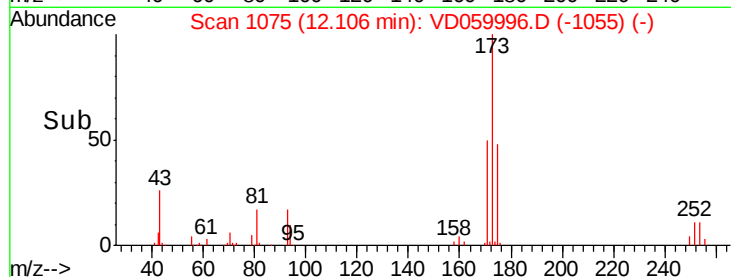
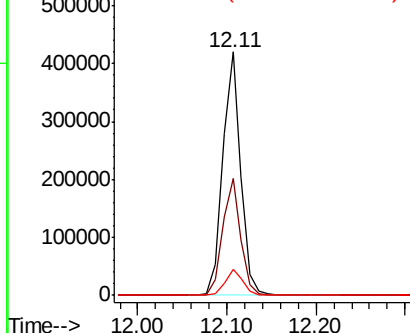
Tot Ion:	173	Resp:	596454
Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.0	72.0
254	10.8	8.6	13.0

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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

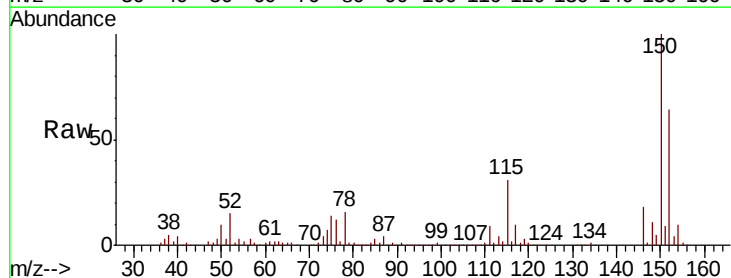
RT: 13.37 min Scan# 1203

Delta R.T. 0.00 min

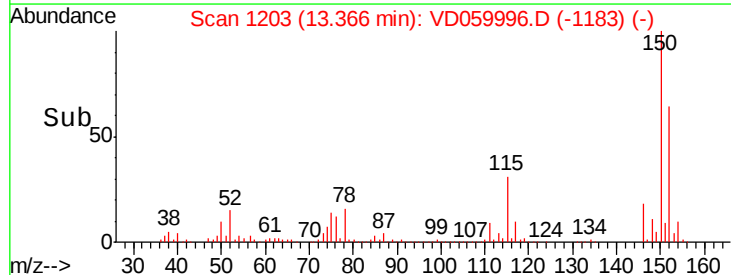
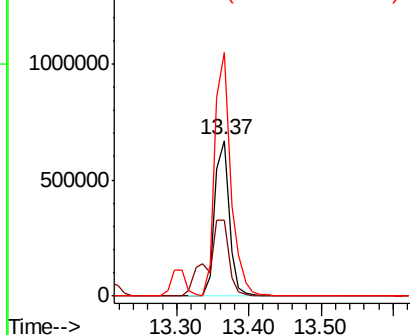
Lab File: VD059996.D

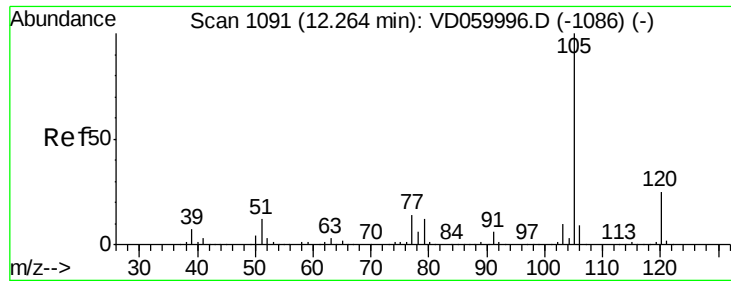
Acq: 13 Sep 2018 13:42

Tgt Ion:	152	Resp:	925295
Ion	Ratio	Lower	Upper
152	100		
115	49.2	24.6	73.8
150	156.7	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: 54.52 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 3281237

Ion Ratio Lower Upper

105 100

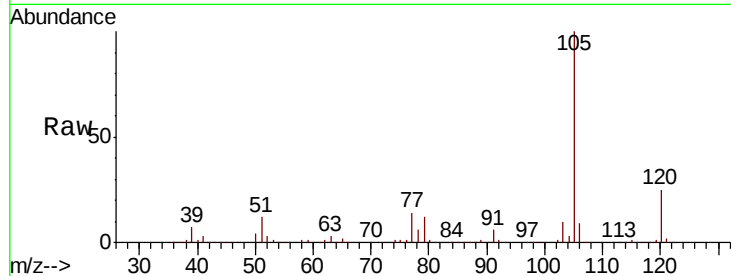
120 24.6 12.3 36.9

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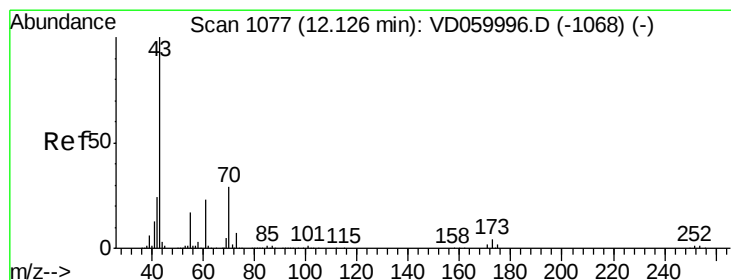
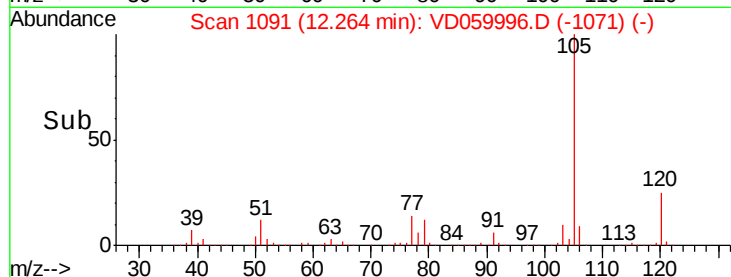
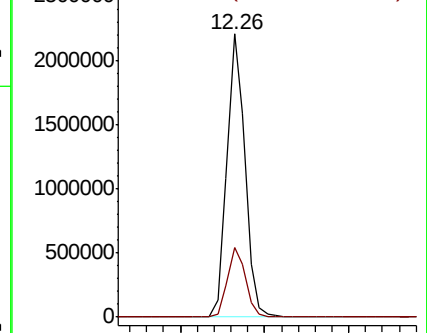
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.70 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Tgt Ion: 43 Resp: 1277527

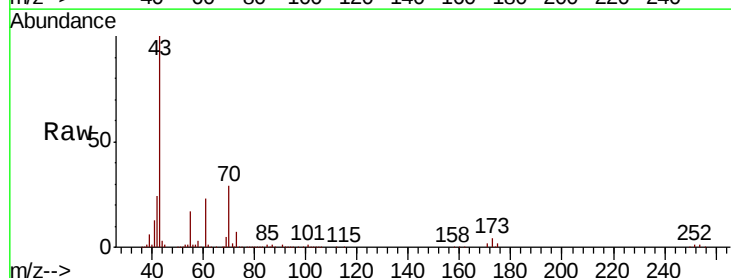
Ion Ratio Lower Upper

43 100

70 28.6 22.9 34.3

55 17.5 14.0 21.0

61 23.4 18.7 28.1

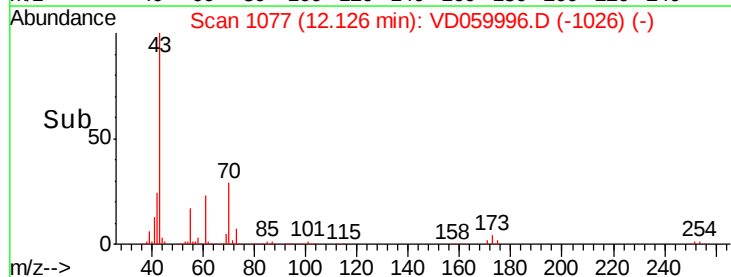
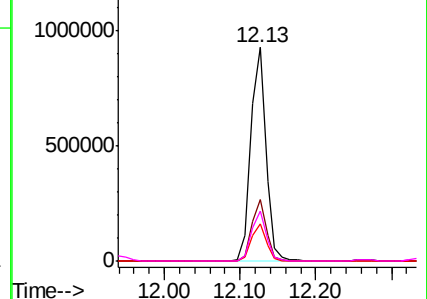


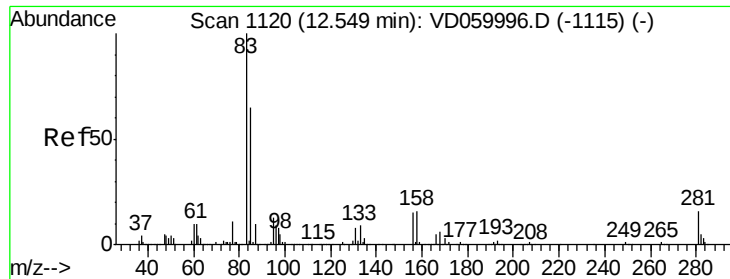
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 53.07 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 734137

Ion Ratio Lower Upper

83 100

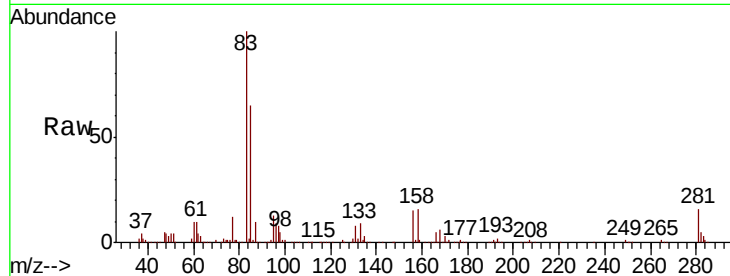
131 8.2 4.1 12.3

85 64.8 32.4 97.2

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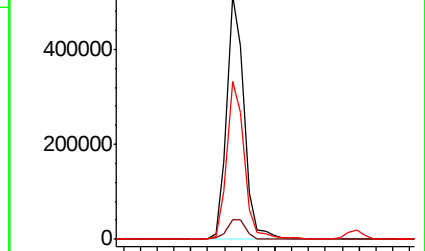
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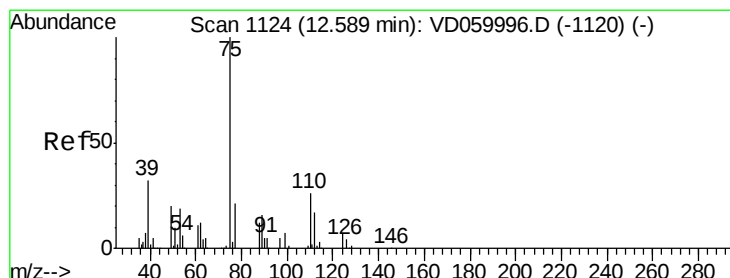
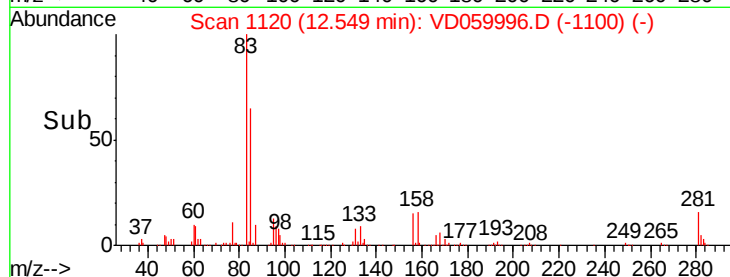
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



Time-->



#76

1,2,3-Trichloropropane

Concen: 52.41 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VD059996.D

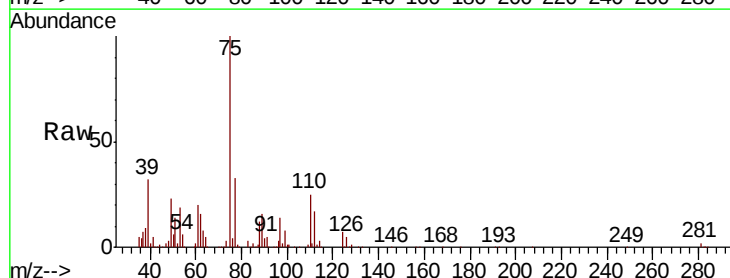
Acq: 13 Sep 2018 13:42

Tgt Ion: 75 Resp: 755234

Ion Ratio Lower Upper

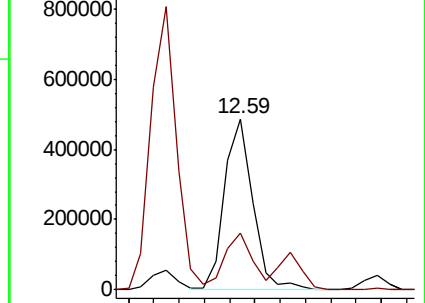
75 100

77 32.9 16.4 49.4

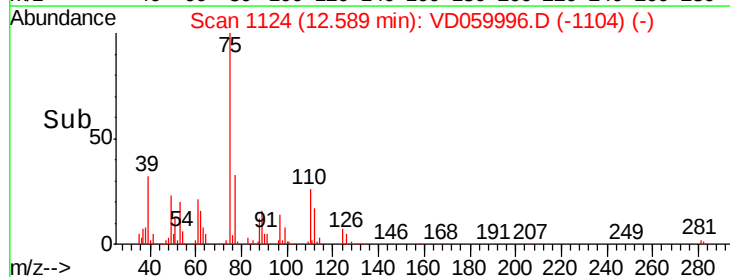


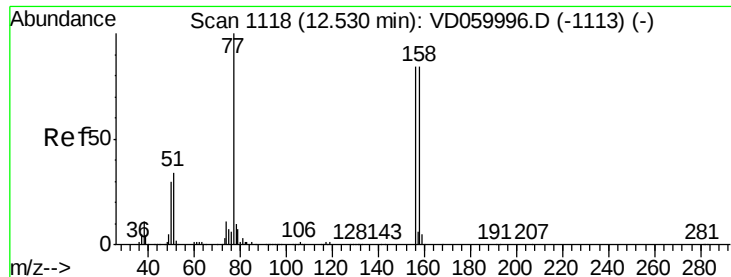
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->





#77

Bromobenzene

Concen: 55.53 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

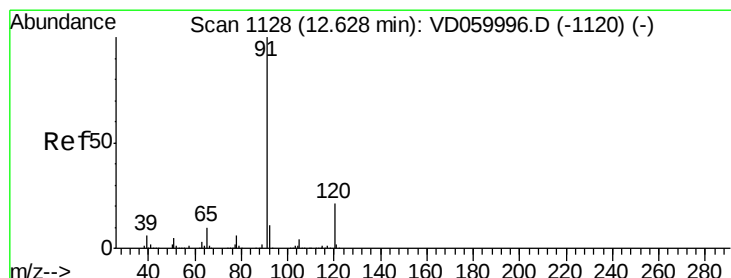
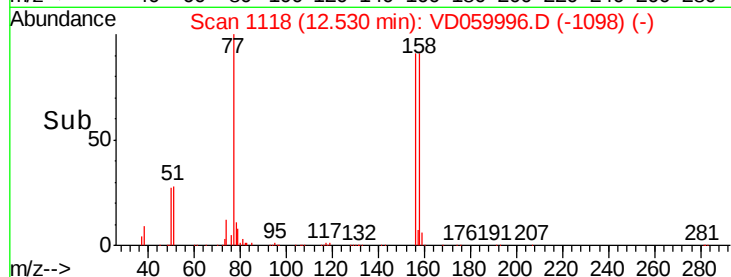
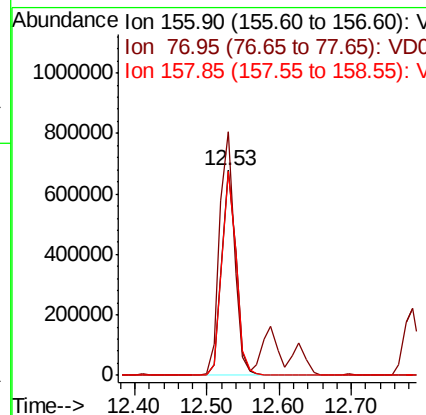
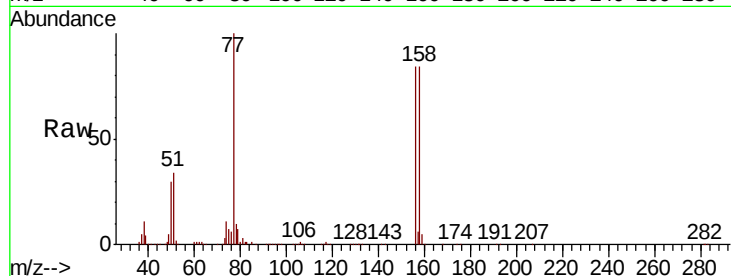
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	925812
Ion Ratio	Lower	Upper	
156	100		
77	118.9	59.5	178.4
158	99.9	50.0	149.8

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#78

n-propylbenzene

Concen: 53.78 ug/l

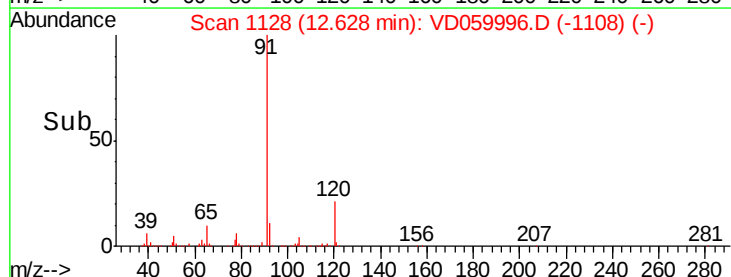
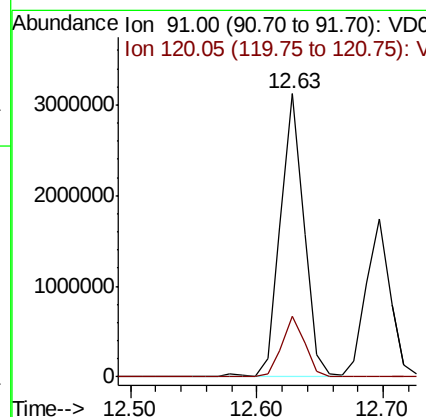
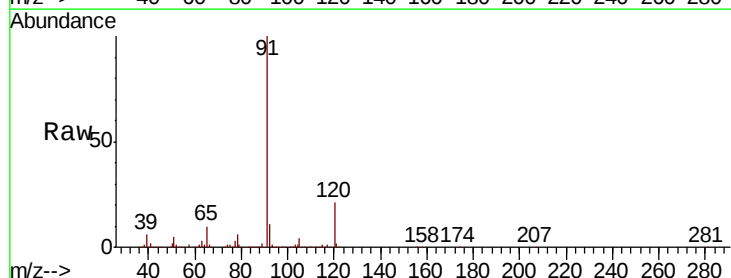
RT: 12.63 min Scan# 1128

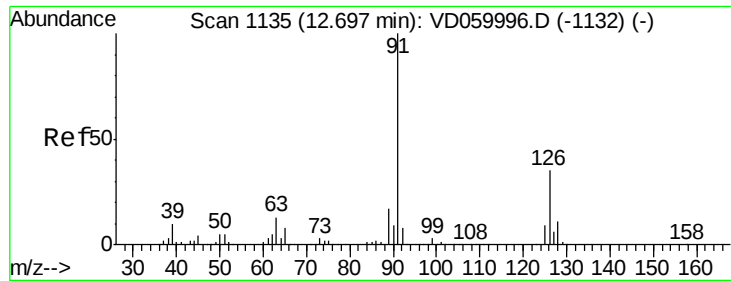
Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Tgt Ion:	91	Resp:	4080067
Ion Ratio	Lower	Upper	
91	100		
120	21.3	10.7	31.9





#79

2-Chlorotoluene

Concen: 53.70 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 2301186

Ion Ratio Lower Upper

91 100

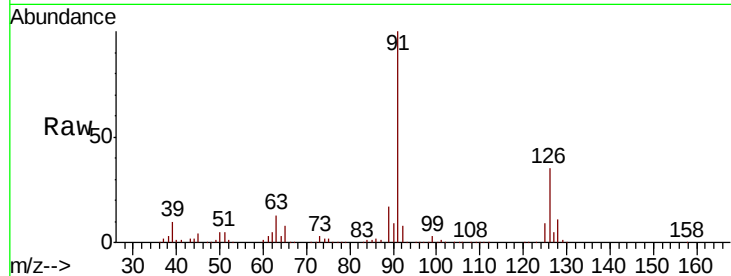
126 34.7 17.3 52.0

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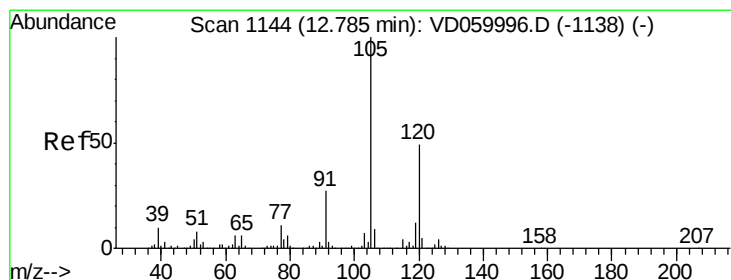
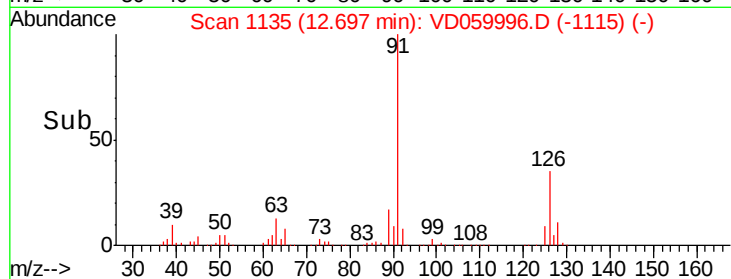
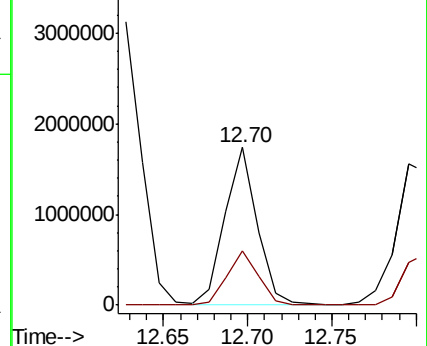
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 53.43 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD059996.D

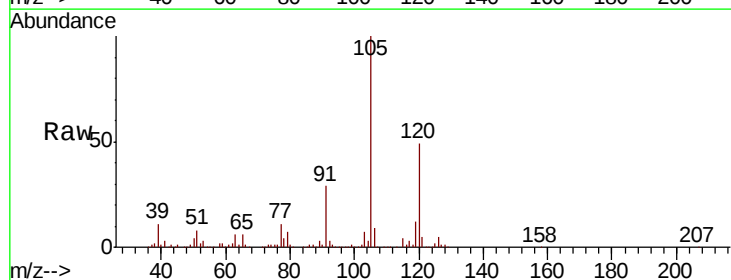
Acq: 13 Sep 2018 13:42

Tgt Ion:105 Resp: 2545028

Ion Ratio Lower Upper

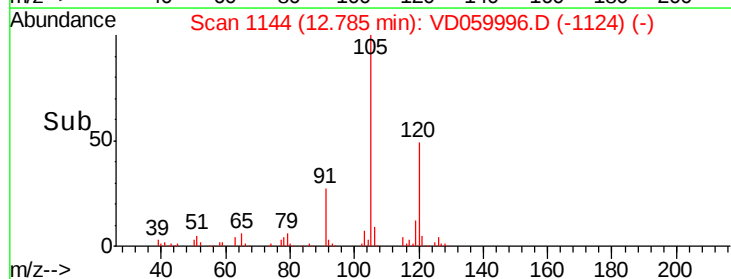
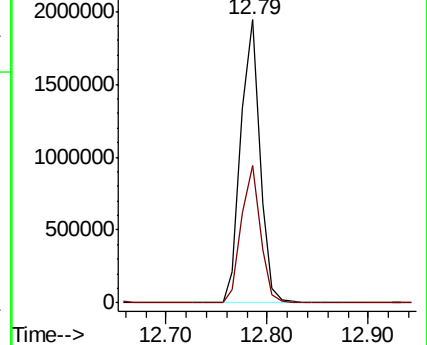
105 100

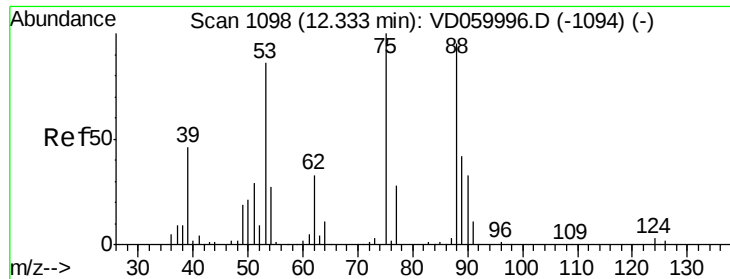
120 48.8 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.66 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 225358

Ion Ratio Lower Upper

75 100

53 85.5 68.4 102.6

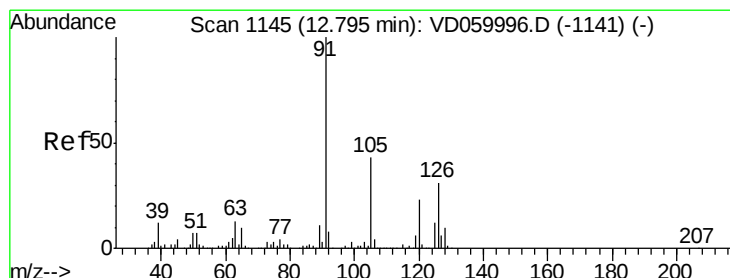
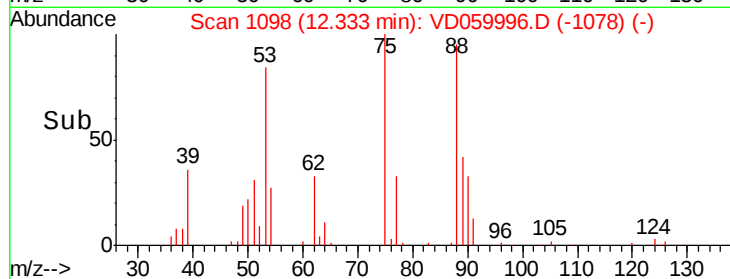
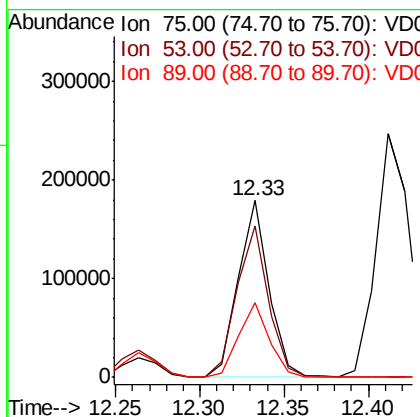
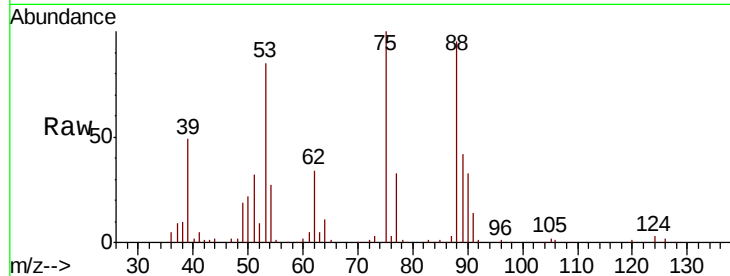
89 42.2 33.8 50.6

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#82

4-Chlorotoluene

Concen: 51.58 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD059996.D

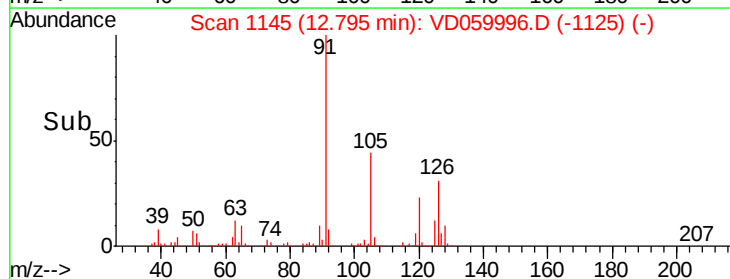
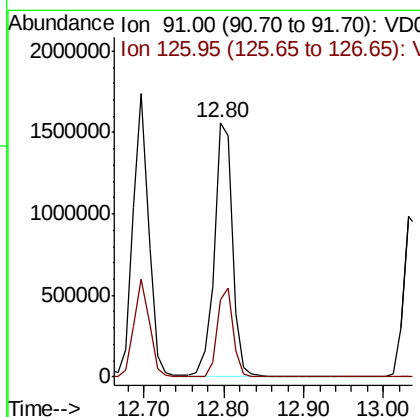
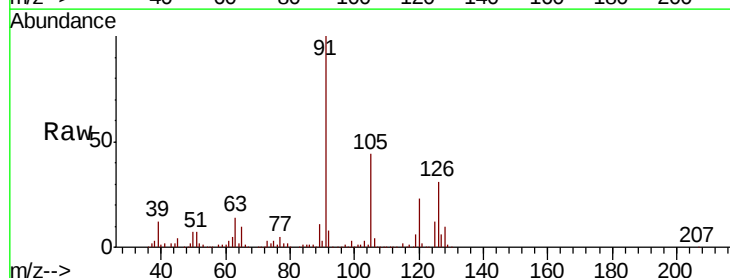
Acq: 13 Sep 2018 13:42

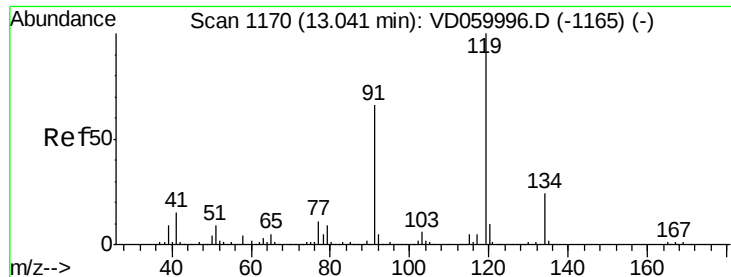
Tgt Ion: 91 Resp: 2505603

Ion Ratio Lower Upper

91 100

126 30.7 15.4 46.1





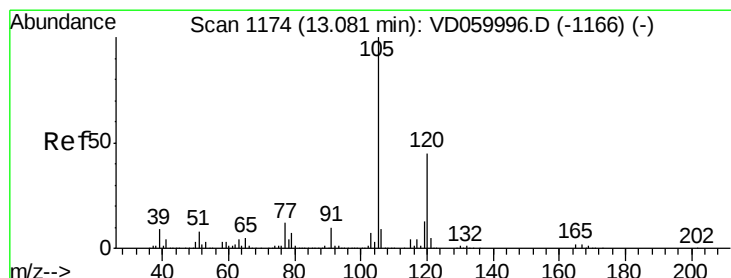
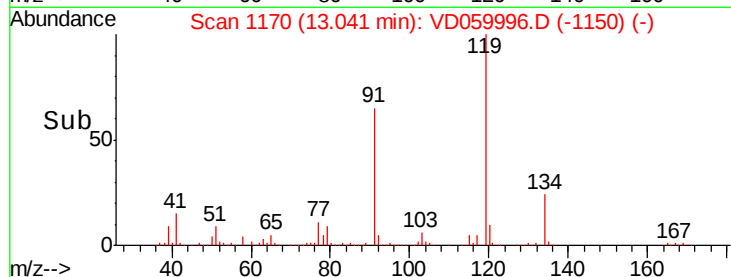
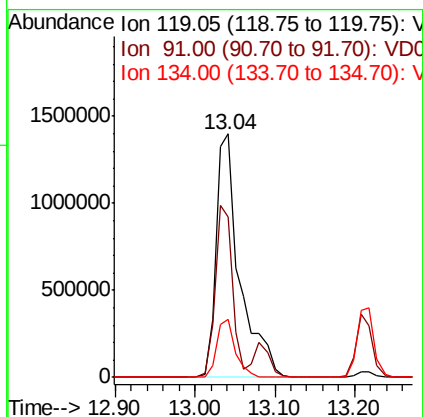
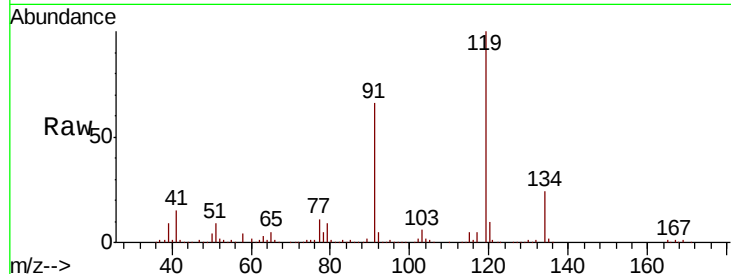
#83
 tert-Butylbenzene
 Concen: 53.85 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	24.0	12.0	36.0

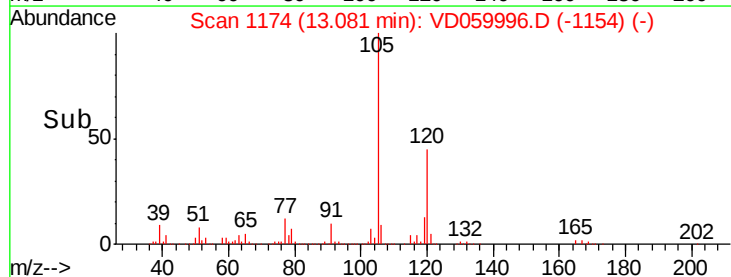
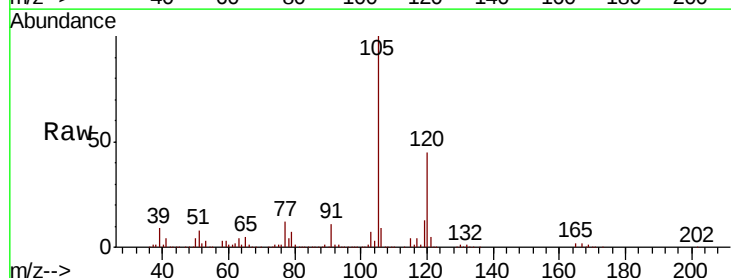
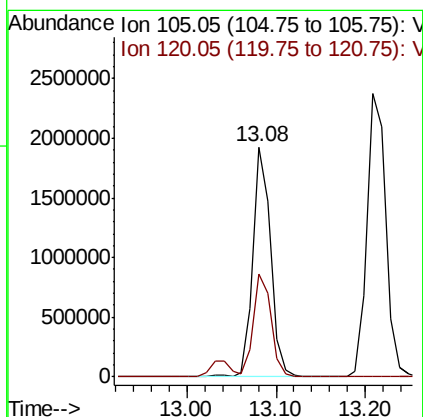
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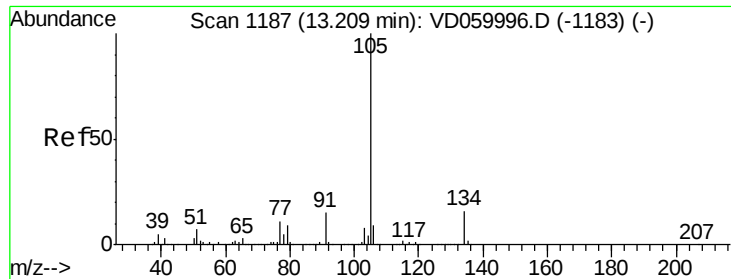
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.81 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0





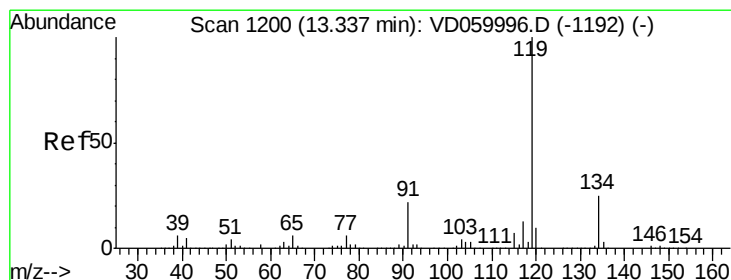
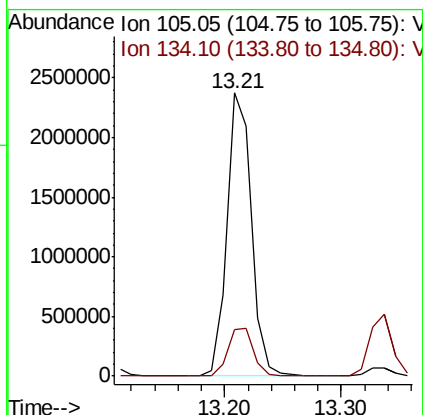
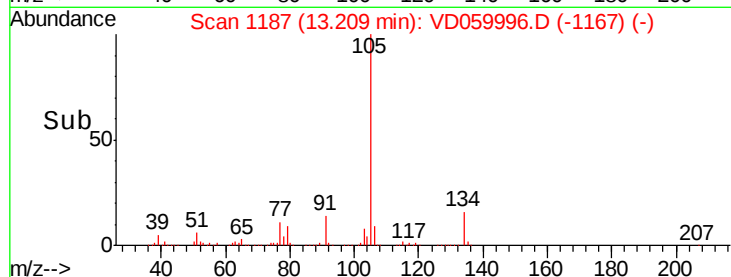
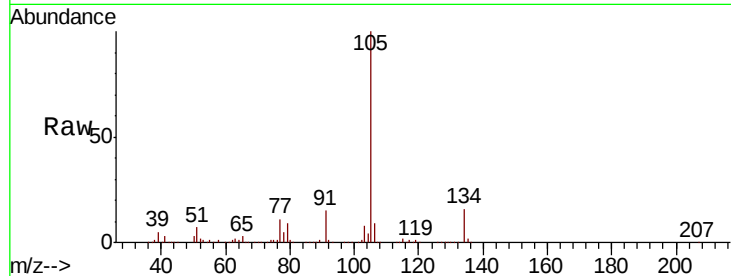
#85
 sec-Butylbenzene
 Concen: 53.74 ug/l
 RT: 13.21 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Tot Ion:105 Resp: 3411229
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.2 24.6

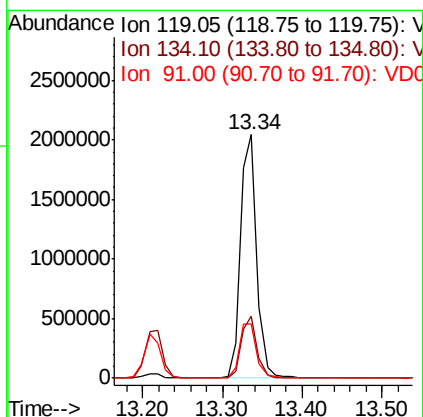
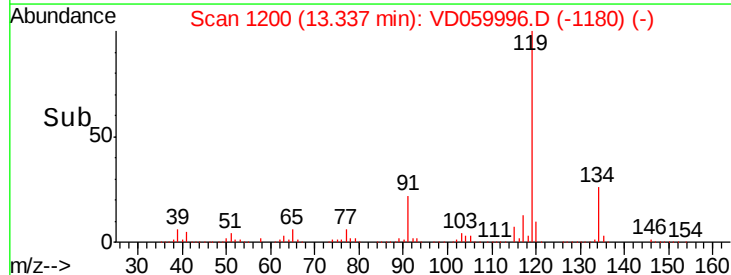
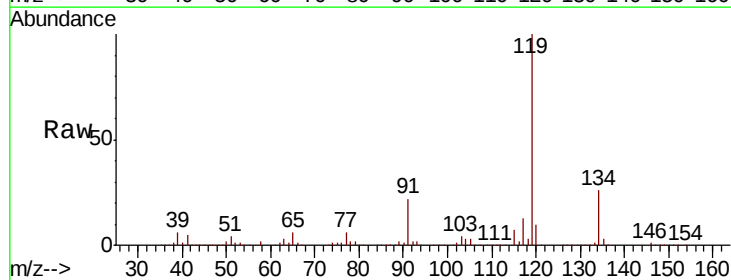
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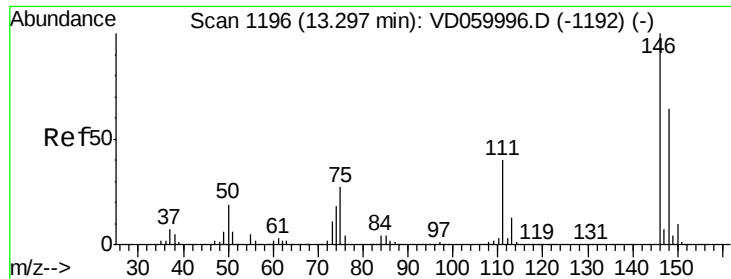
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#86
 p-Isopropyltoluene
 Concen: 55.04 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion:119 Resp: 2868110
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 22.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 54.71 ug/l

RT: 13.30 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion:146 Resp: 1627168

Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.5

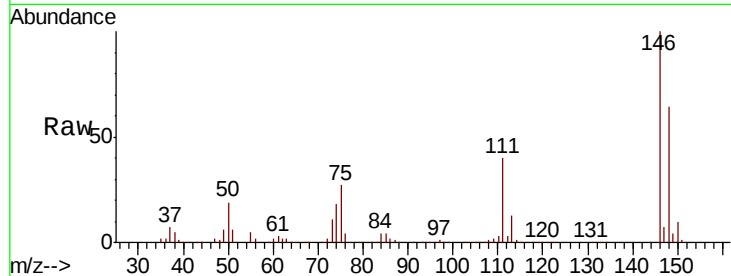
148 64.1 32.0 96.2

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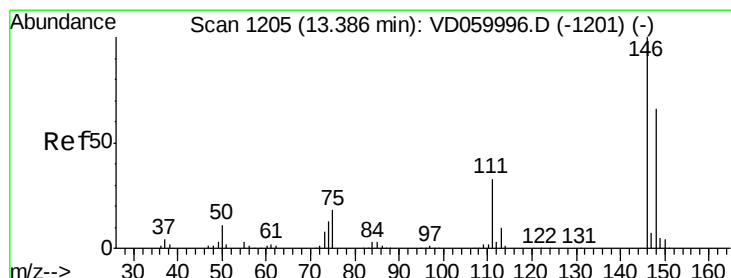
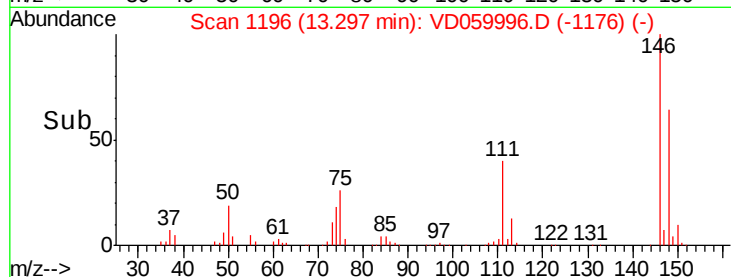
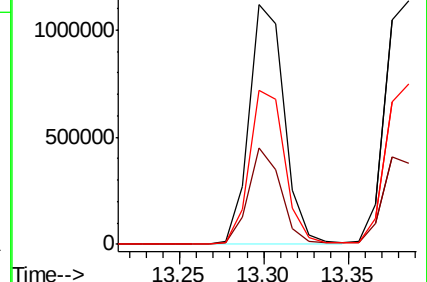
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 55.36 ug/l

RT: 13.39 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

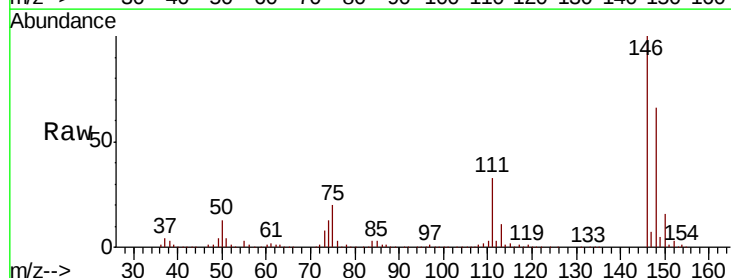
Tgt Ion:146 Resp: 1648753

Ion Ratio Lower Upper

146 100

111 33.3 16.7 50.0

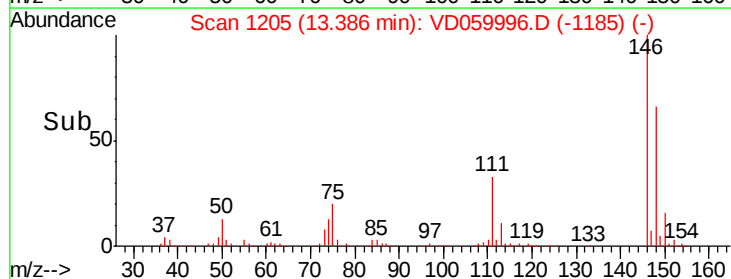
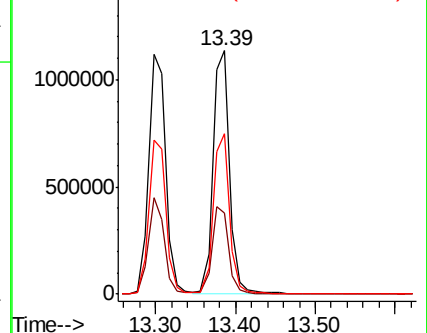
148 65.7 32.9 98.6

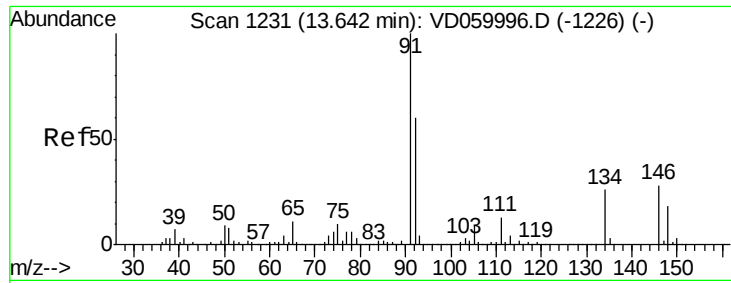


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





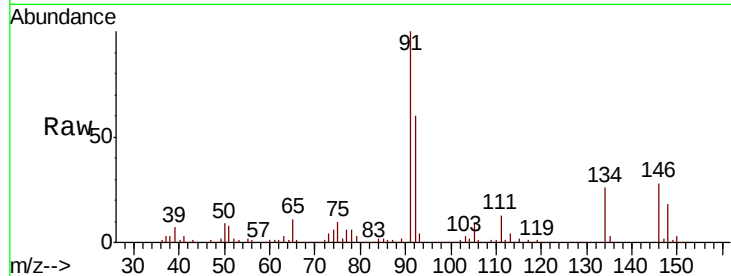
#89
n-Butylbenzene
Concen: 51.32 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

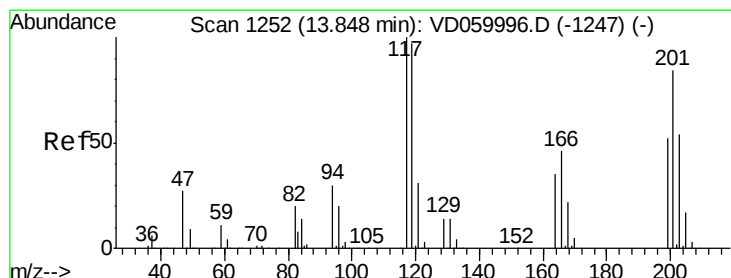
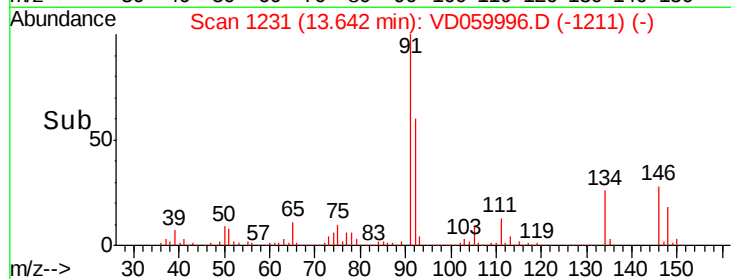
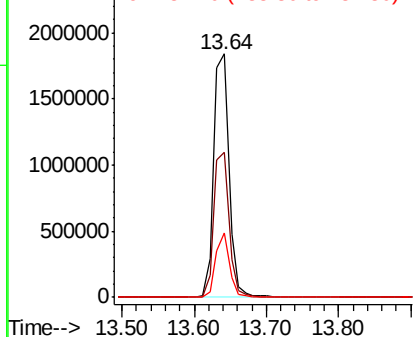
Tot Ion: 91 Resp: 2671425
Ion Ratio Lower Upper
91 100
92 59.5 29.8 89.3
134 26.4 13.2 39.6

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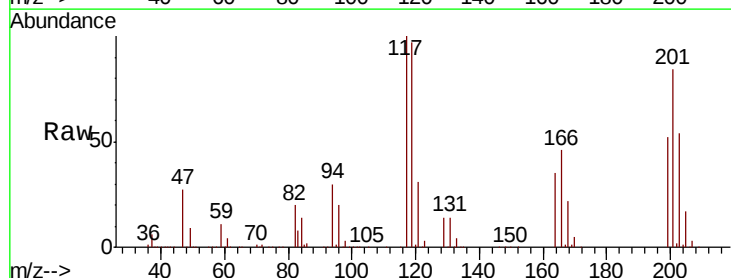


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

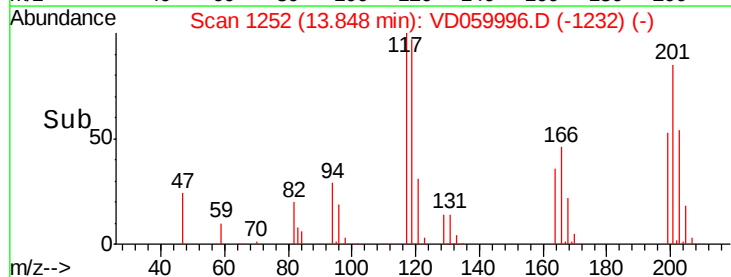
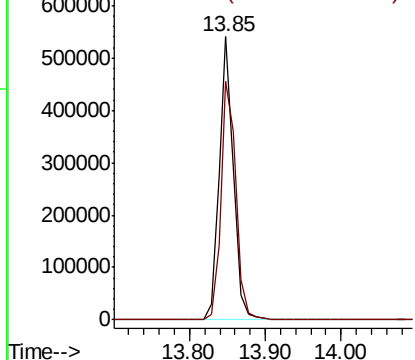


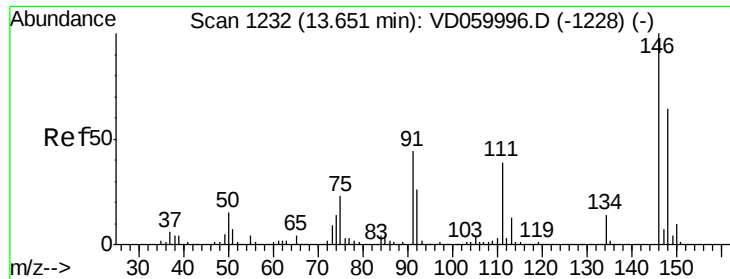
#90
Hexachloroethane
Concen: 51.93 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 117 Resp: 716794
Ion Ratio Lower Upper
117 100
201 84.3 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





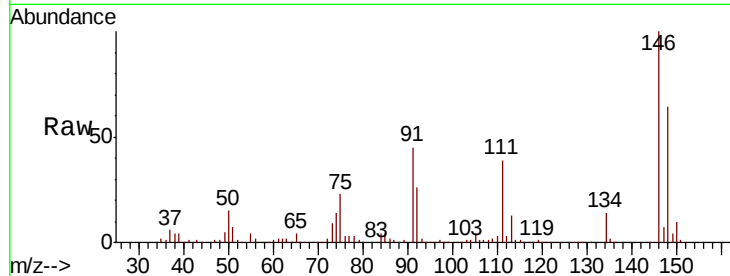
#91
 1,2-Dichlorobenzene
 Concen: 53.41 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

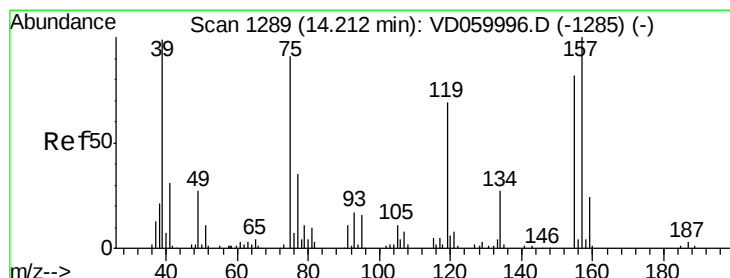
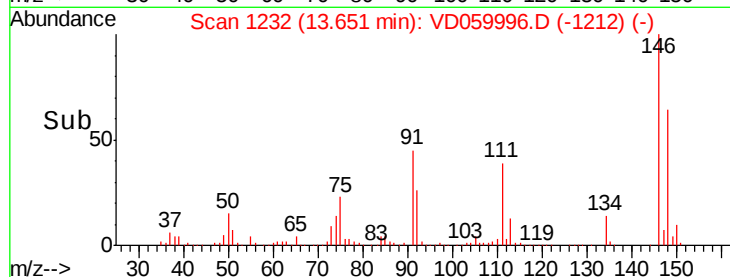
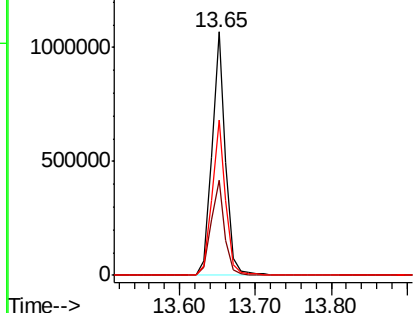
Tot Ion:146 Resp: 1338922
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 63.8 31.9 95.7

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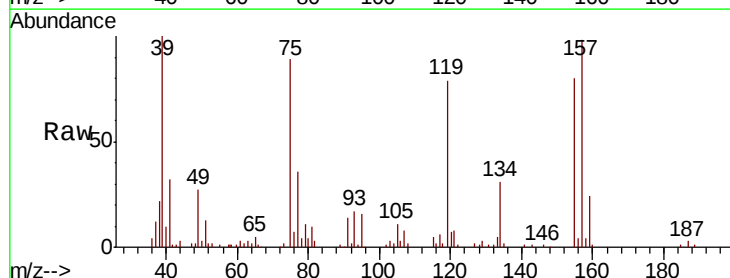


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

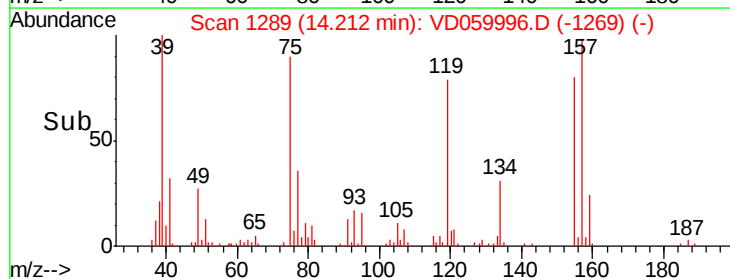
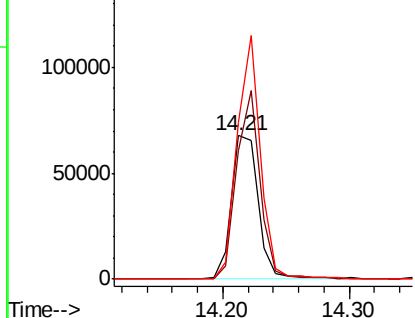


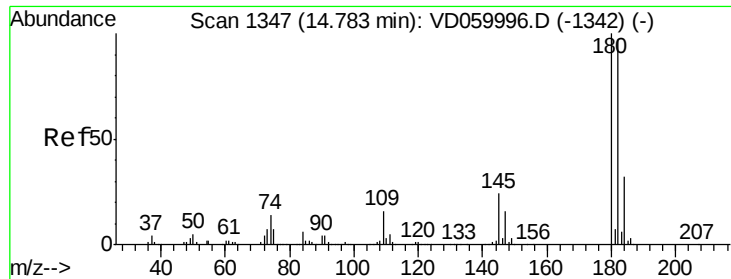
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.36 ug/l
 RT: 14.21 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion: 75 Resp: 100042
 Ion Ratio Lower Upper
 75 100
 155 89.4 44.7 134.1
 157 109.4 54.7 164.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





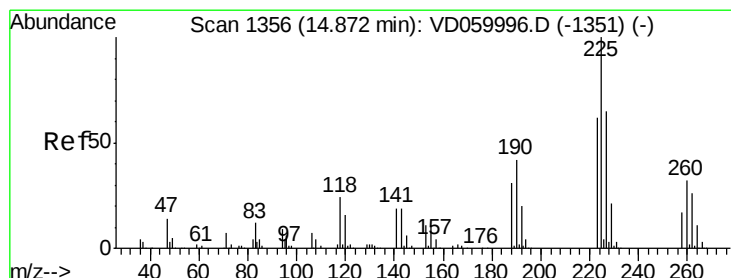
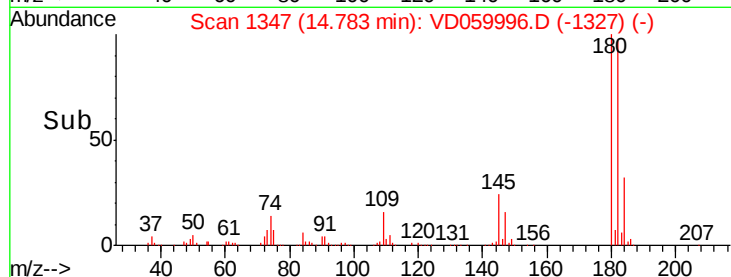
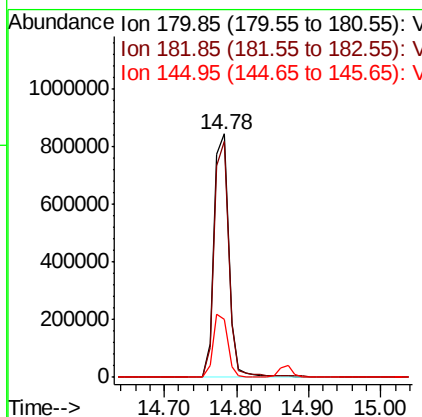
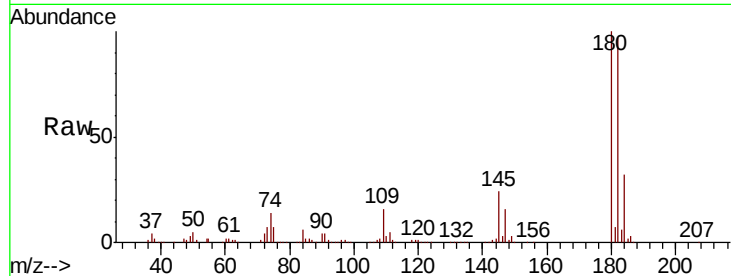
#93
 1,2,4-Trichlorobenzene
 Concen: 55.36 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.5	145.6
145	23.8	11.9	35.7

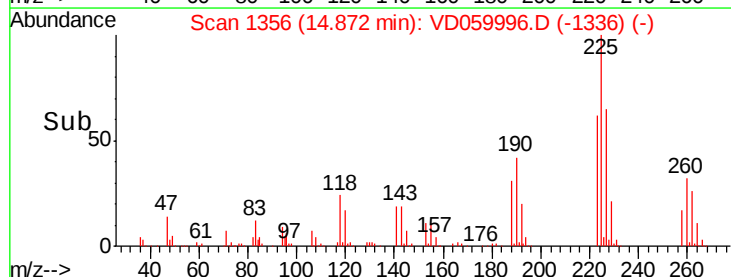
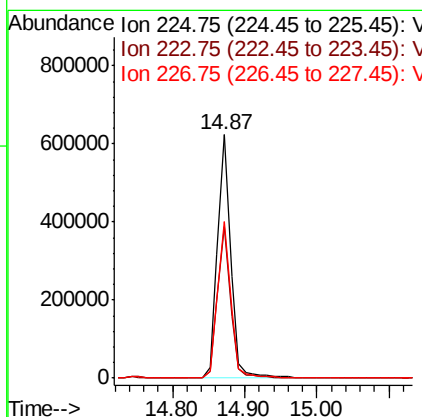
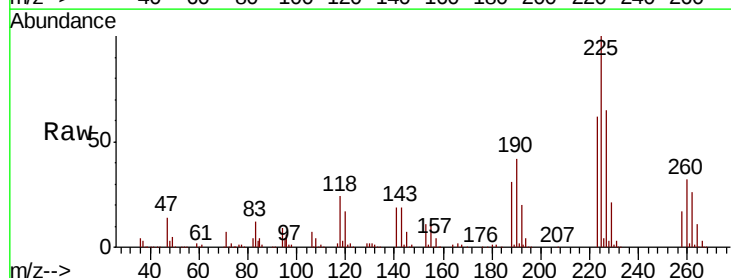
Manual Integrations
 APPROVED

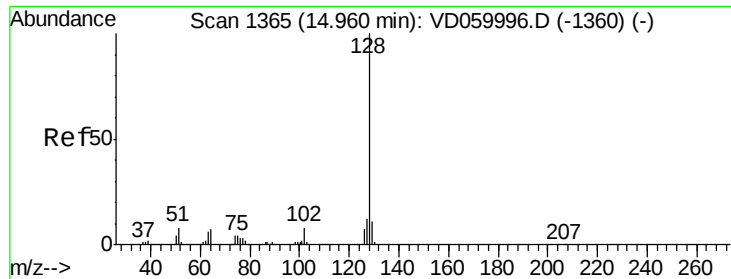
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#94
 Hexachlorobutadiene
 Concen: 55.23 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.2	93.6
227	64.5	32.3	96.8





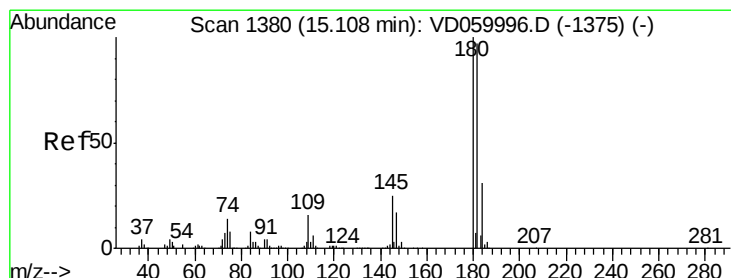
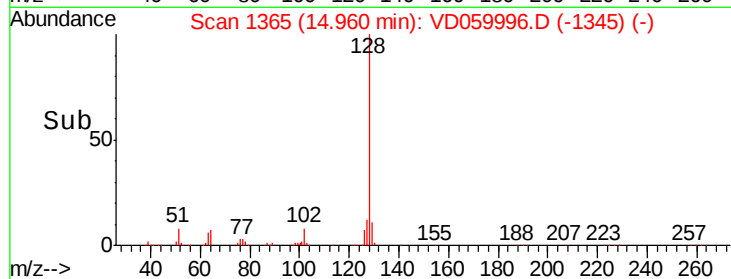
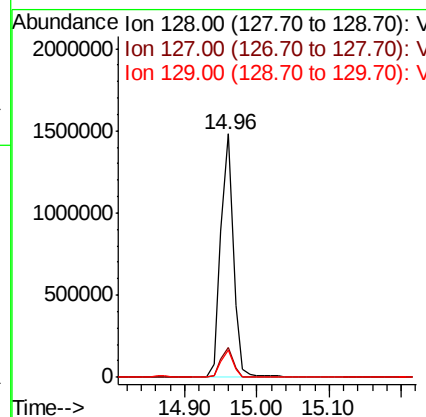
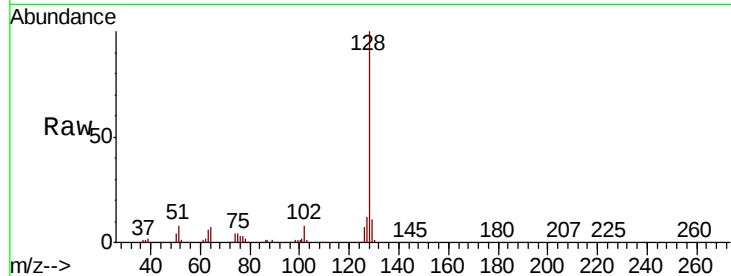
#95
Naphthalene
Concen: 54.70 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.7	14.5
129	11.1	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 56.13 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.6	145.9
145	25.4	12.7	38.1

