

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059994.D
 Acq On : 13 Sep 2018 12:45
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 9/14/2018 10:56:52 AM

Quant Time: Sep 13 15:44:15 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	1538798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	2099034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1740821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	927368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	128337	10.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.16%	
35) Dibromofluoromethane	6.29	113	165899	10.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.26%	
50) Toluene-d8	9.43	98	473624	10.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.96%	
62) 4-Bromofluorobenzene	12.41	95	187024	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	162501m	11.28	ug/l	
3) Chloromethane	1.74	50	141186	11.07	ug/l	96
4) Vinyl Chloride	1.83	62	112438	11.18	ug/l	96
5) Bromomethane	2.12	94	16441	9.35	ug/l	96
6) Chloroethane	2.23	64	33783	10.93	ug/l	94
7) Trichlorofluoromethane	2.48	101	133221	11.35	ug/l	98
8) Diethyl Ether	2.80	74	28619	11.07	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.05	101	84294	11.68	ug/l	97
10) Methyl Iodide	3.21	142	68381	10.25	ug/l	96
11) Tert butyl alcohol	3.94	59	52963	54.27	ug/l	96
12) 1,1-Dichloroethene	3.04	96	66781	11.90	ug/l	95
13) Acrolein	2.95	56	32934	74.45	ug/l	98
14) Allyl chloride	3.51	41	139637	11.18	ug/l	97
15) Acrylonitrile	4.06	53	198621	53.83	ug/l	97
16) Acetone	3.13	43	131051	56.22	ug/l	98
17) Carbon Disulfide	3.28	76	215875	12.16	ug/l	99
18) Methyl Acetate	3.53	43	50381	10.30	ug/l	93
19) Methyl tert-butyl Ether	4.09	73	315306	10.42	ug/l	99
20) Methylene Chloride	3.68	84	231420	12.17	ug/l	96
21) trans-1,2-Dichloroethene	4.06	96	173353	11.31	ug/l	93
22) Diisopropyl ether	4.82	45	644597	10.33	ug/l	99
23) Vinyl Acetate	4.78	43	1933684	55.47	ug/l	99
24) 1,1-Dichloroethane	4.72	63	286356	10.53	ug/l	99
25) 2-Butanone	5.59	43	392735	58.34	ug/l	98
26) 2,2-Dichloropropane	5.55	77	231257	10.24	ug/l	96
27) cis-1,2-Dichloroethene	5.56	96	181667	10.95	ug/l	99
28) Bromochloromethane	5.90	49	142167	11.12	ug/l	98
29) Tetrahydrofuran	5.93	42	185084	55.63	ug/l	98
30) Chloroform	6.07	83	288152	10.41	ug/l	99
31) Cyclohexane	6.34	56	295683	11.64	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	240009	10.24	ug/l	98
36) 1,1-Dichloropropene	6.50	75	227601	11.69	ug/l	99
37) Ethyl Acetate	5.67	43	161143	10.94	ug/l	98
38) Carbon Tetrachloride	6.47	117	205152	10.50	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	244534	11.52	ug/l	97
40) Benzene	6.76	78	571942	11.28	ug/l	100
41) Methacrylonitrile	5.90	41	66810m	8.93	ug/l	
42) 1,2-Dichloroethane	6.86	62	165465	10.38	ug/l	100
43) Isopropyl Acetate	8.33	43	202744	10.51	ug/l #	99
44) Trichloroethene	7.72	130	169202	11.25	ug/l	99
45) 1,2-Dichloropropane	8.07	63	146654	10.47	ug/l	99
46) Dibromomethane	8.19	93	97349	10.79	ug/l	97
47) Bromodichloromethane	8.47	83	205523	10.16	ug/l	99
48) Methyl methacrylate	8.22	41	115549	10.29	ug/l	98
49) 1,4-Dioxane	8.21	88	23061	226.63	ug/l #	88
51) 4-Methyl-2-Pentanone	9.32	43	834726	60.67	ug/l	99
52) Toluene	9.53	92	361893	11.15	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	195478	10.47	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	233592	10.66	ug/l	95
55) 1,1,2-Trichloroethane	10.16	97	127279	10.88	ug/l	94
56) Ethyl methacrylate	10.01	69	139449	10.41	ug/l	97
57) 1,3-Dichloropropane	10.37	76	181321	10.69	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	358834	55.89	ug/l	98
59) 2-Hexanone	10.47	43	609867	60.11	ug/l	97
60) Dibromochloromethane	10.62	129	146491	9.98	ug/l	100
61) 1,2-Dibromoethane	10.74	107	125478	10.61	ug/l	95
64) Tetrachloroethene	10.24	164	164104	11.75	ug/l	96
65) Chlorobenzene	11.30	112	403637	11.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	140232	10.96	ug/l	98
67) Ethyl Benzene	11.42	91	700577	11.81	ug/l	98
68) m/p-Xylenes	11.55	106	517701	23.74	ug/l	89
69) o-Xylene	11.92	106	247387	11.63	ug/l	98
70) Styrene	11.94	104	413028	11.29	ug/l	96
71) Bromoform	12.11	173	107674	9.74	ug/l	99
73) Isopropylbenzene	12.26	105	681362	11.30	ug/l	98
74) N-amyl acetate	12.12	43	266910	10.36	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.55	83	150029	10.82	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	147676	10.23	ug/l	96
77) Bromobenzene	12.53	156	189716	11.35	ug/l	96
78) n-propylbenzene	12.63	91	854289	11.23	ug/l	99
79) 2-Chlorotoluene	12.70	91	472376	11.00	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	518332	10.86	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	44149	9.90	ug/l	98
82) 4-Chlorotoluene	12.80	91	538783	11.07	ug/l	99
83) tert-Butylbenzene	13.03	119	587826	10.84	ug/l	90
84) 1,2,4-Trimethylbenzene	13.08	105	552678	11.15	ug/l	99
85) sec-Butylbenzene	13.21	105	699158	10.99	ug/l	99
86) p-Isopropyltoluene	13.33	119	560712	10.74	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	335741	11.26	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	347573	11.64	ug/l	96
89) n-Butylbenzene	13.63	91	606720	11.63	ug/l	96
90) Hexachloroethane	13.85	117	130785	9.45	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	300230	11.95	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	21009	10.13	ug/l	87

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	227872	10.55	ug/l	97
94) Hexachlorobutadiene	14.87	225	154651	10.88	ug/l	99
95) Naphthalene	14.96	128	351113	10.68	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	202371	10.92	ug/l	99

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

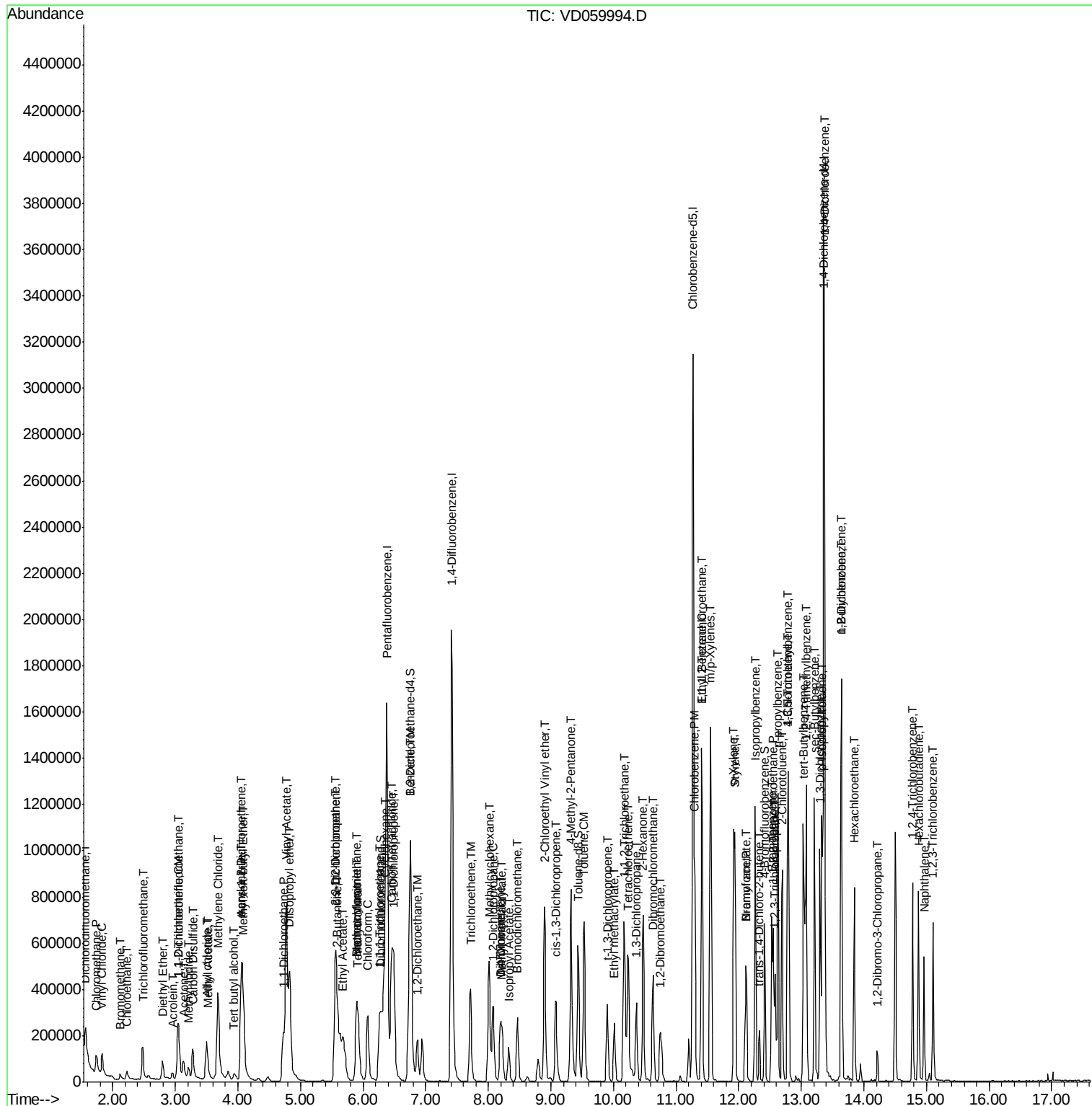
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 Operator : JC/SY
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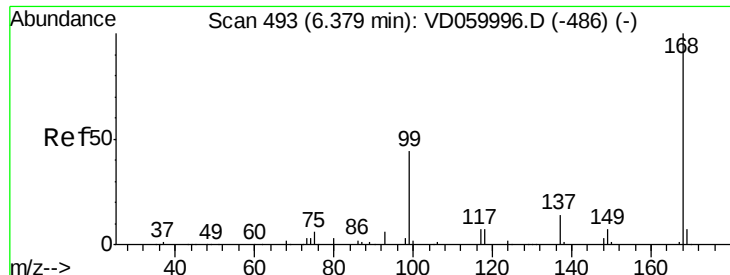
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 1538798

Ion Ratio Lower Upper

168 100

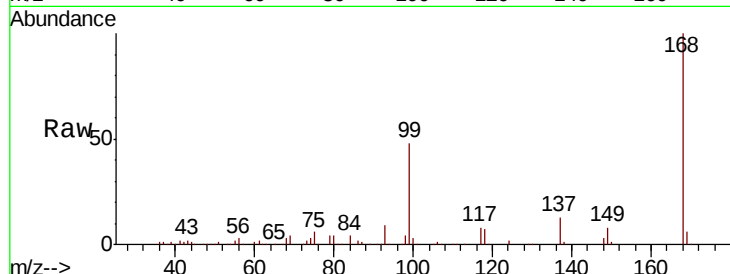
99 48.1 38.5 57.7

Manual Integrations

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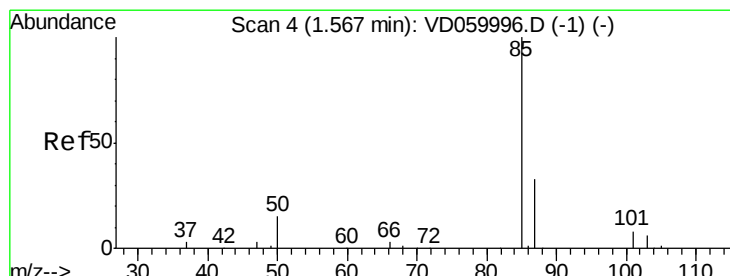
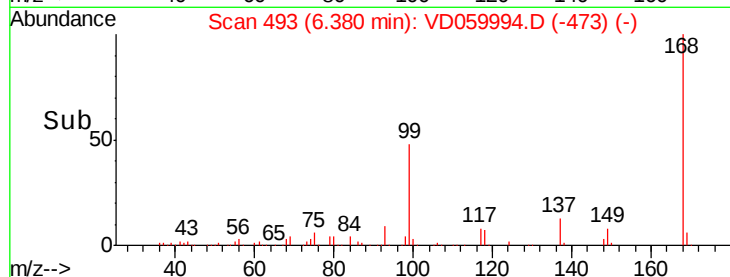
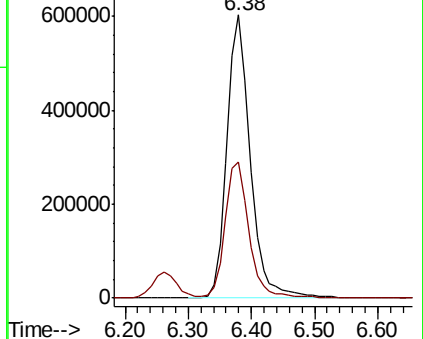
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 11.28 ug/l m

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD059994.D

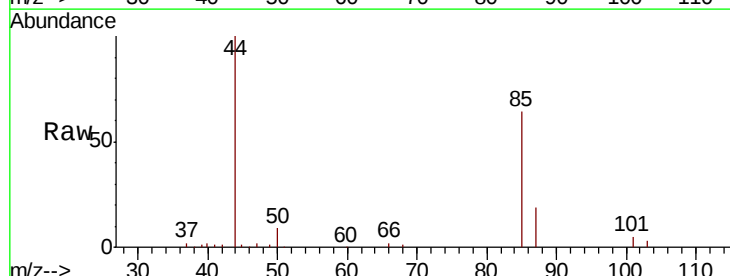
Acq: 13 Sep 2018 12:45

Tgt Ion: 85 Resp: 162501

Ion Ratio Lower Upper

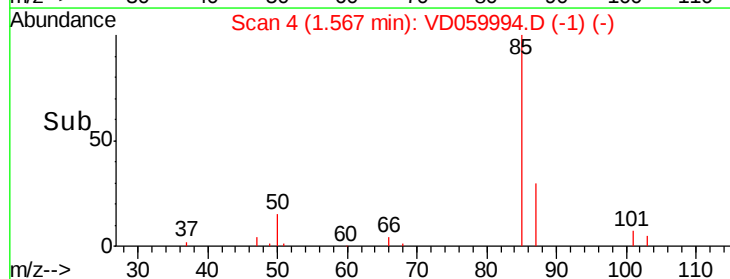
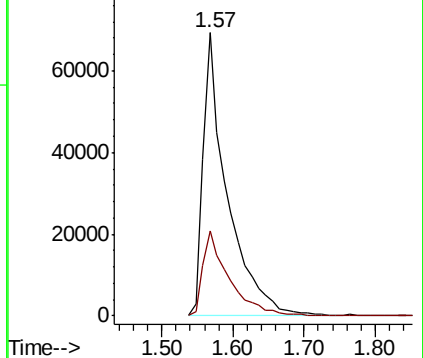
85 100

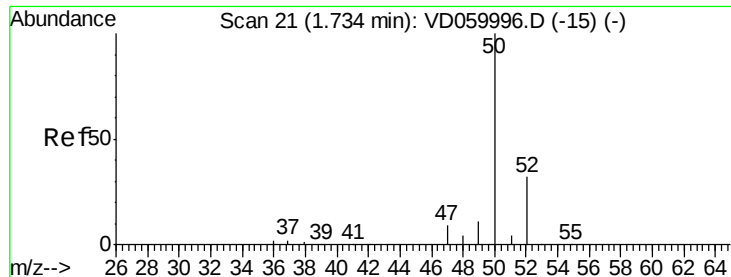
87 30.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 11.07 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 141186

Ion Ratio Lower Upper

50 100

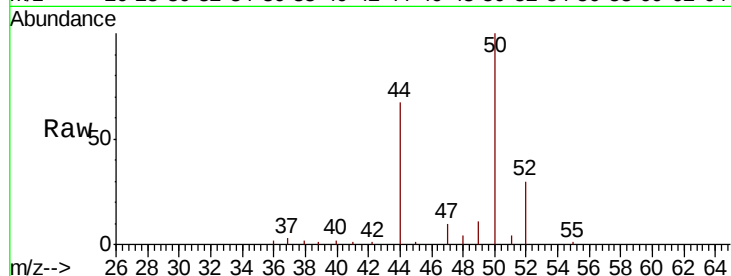
52 29.6 25.4 38.2

Manual Integrations

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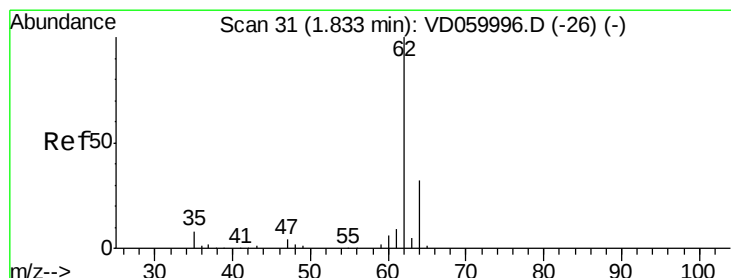
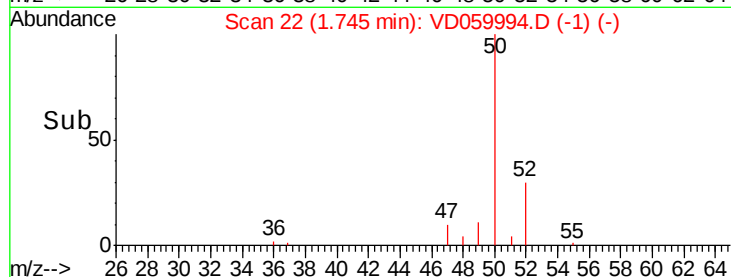
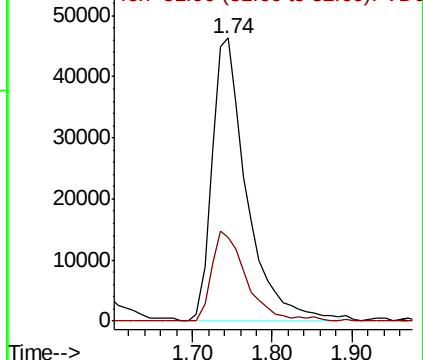
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.18 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD059994.D

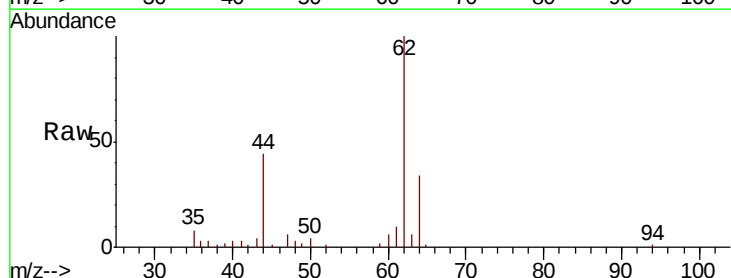
Acq: 13 Sep 2018 12:45

Tgt Ion: 62 Resp: 112438

Ion Ratio Lower Upper

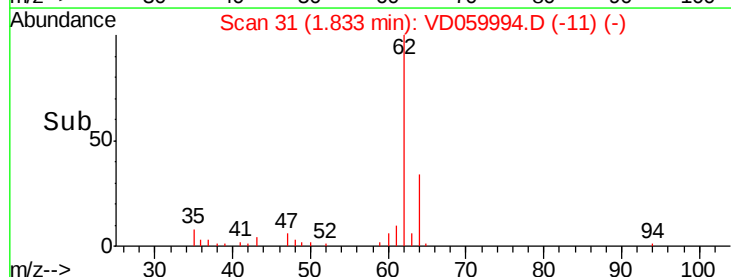
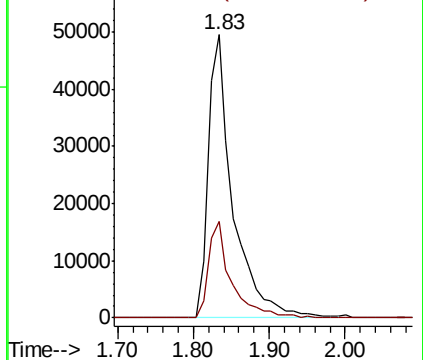
62 100

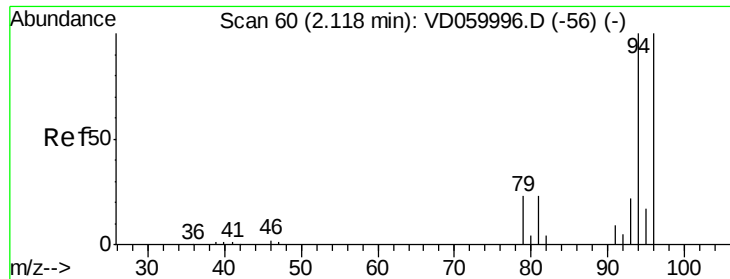
64 33.9 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.35 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 16441

Ion Ratio Lower Upper

94 100

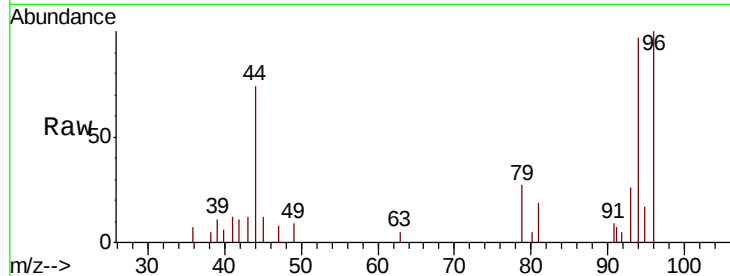
96 103.6 79.8 119.8

Manual Integrations

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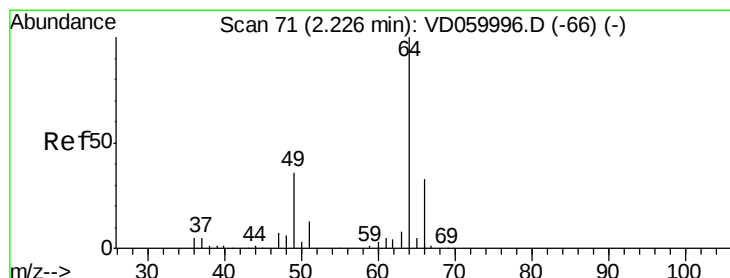
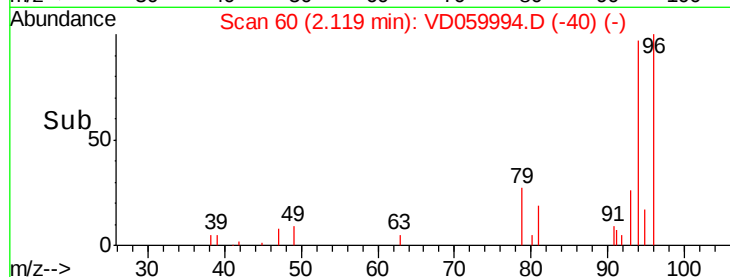
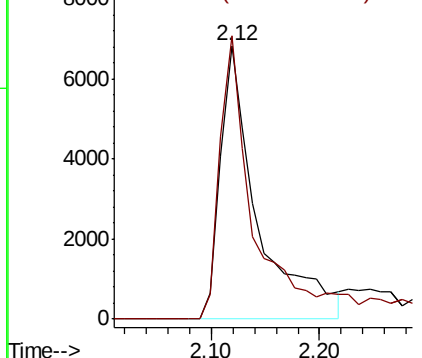
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.93 ug/l

RT: 2.23 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD059994.D

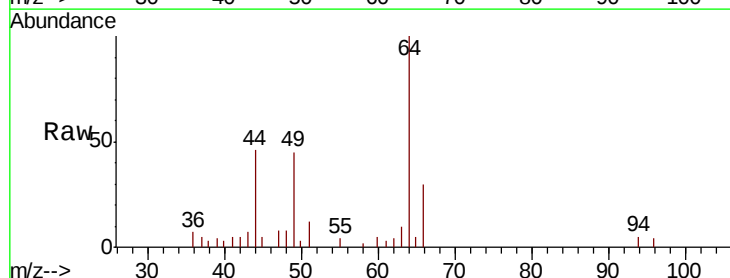
Acq: 13 Sep 2018 12:45

Tgt Ion: 64 Resp: 33783

Ion Ratio Lower Upper

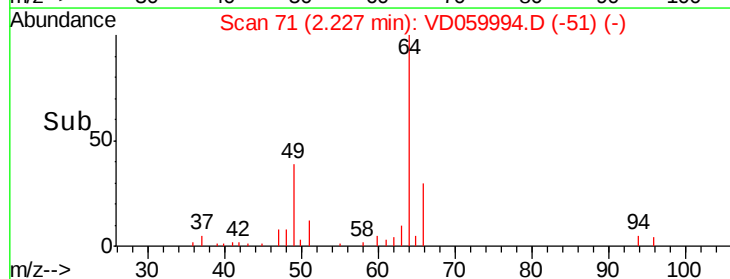
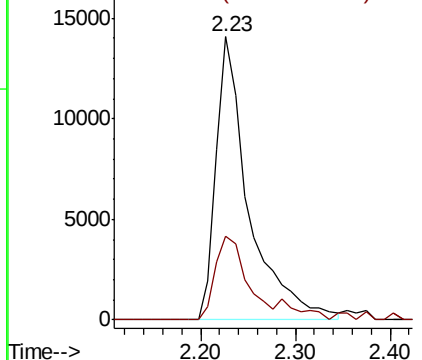
64 100

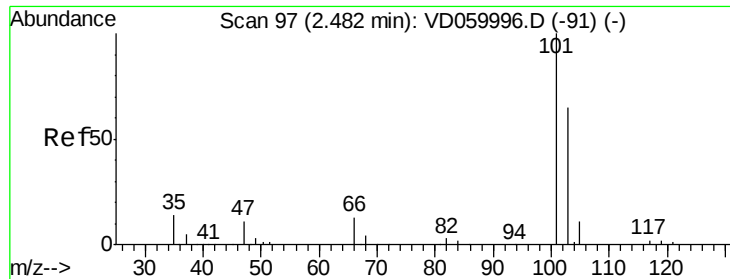
66 29.5 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 11.35 ug/l

RT: 2.48 min Scan# 97

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:101 Resp: 133221

Ion Ratio Lower Upper

101 100

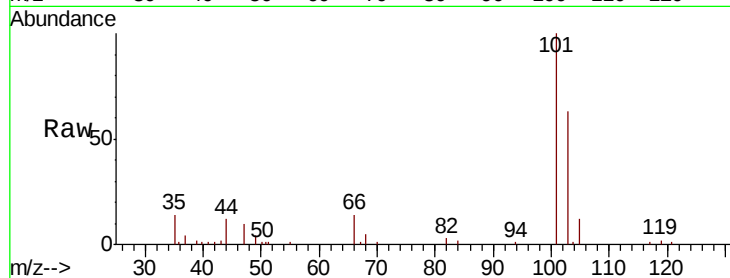
103 63.3 51.6 77.4

Manual Integrations

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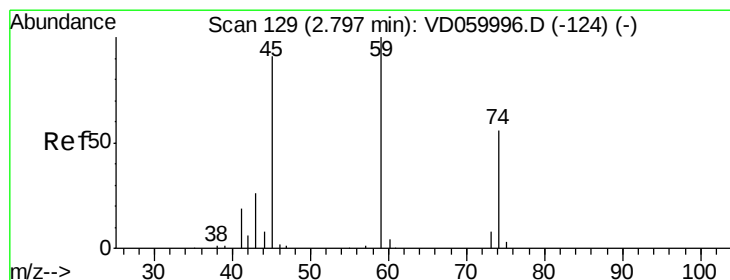
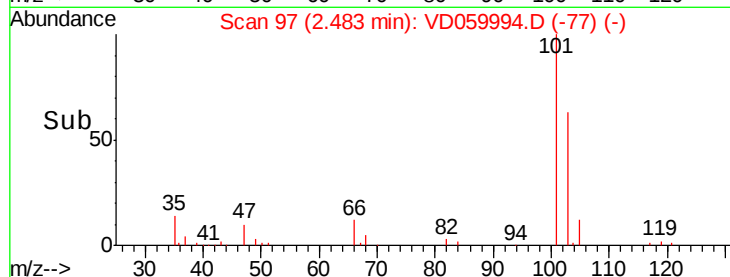
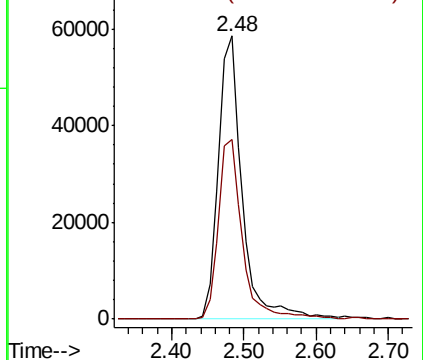
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 11.07 ug/l

RT: 2.80 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059994.D

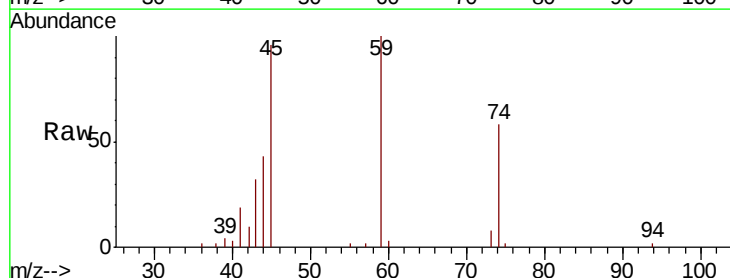
Acq: 13 Sep 2018 12:45

Tgt Ion: 74 Resp: 28619

Ion Ratio Lower Upper

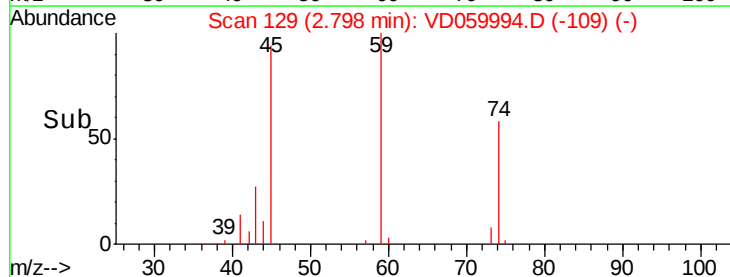
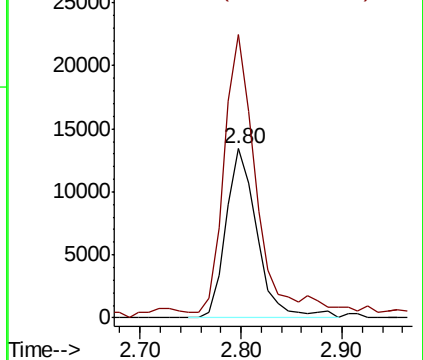
74 100

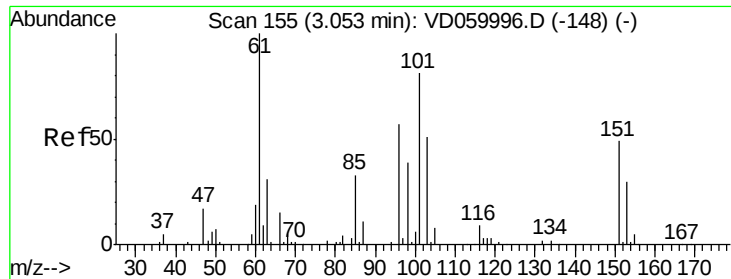
45 167.2 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.68 ug/l

RT: 3.05 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

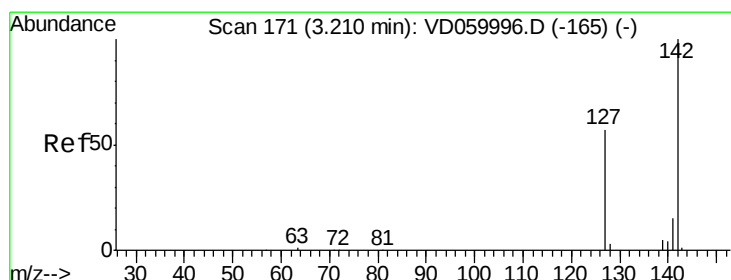
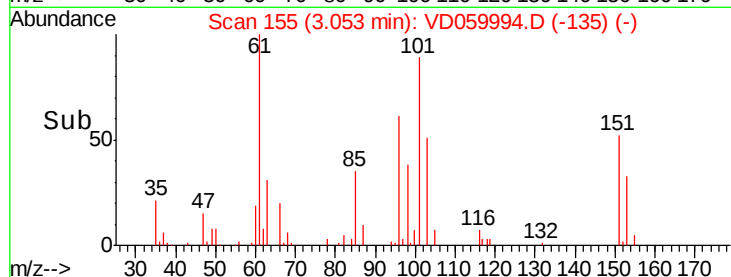
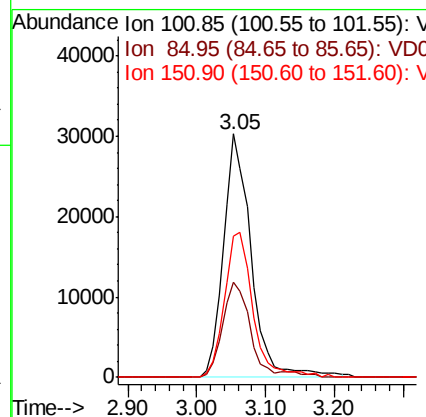
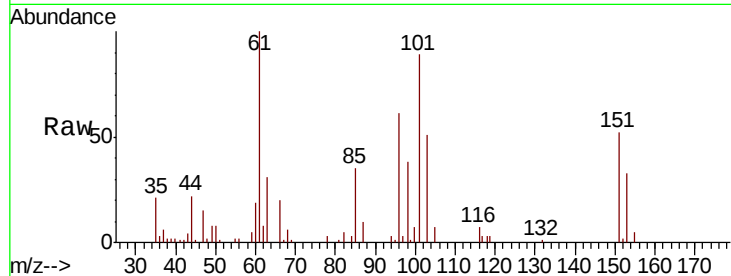
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	84294
Ion Ratio	Lower	Upper	
101	100		
85	39.3	33.1	49.7
151	58.1	48.2	72.4

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#10

Methyl Iodide

Concen: 10.25 ug/l

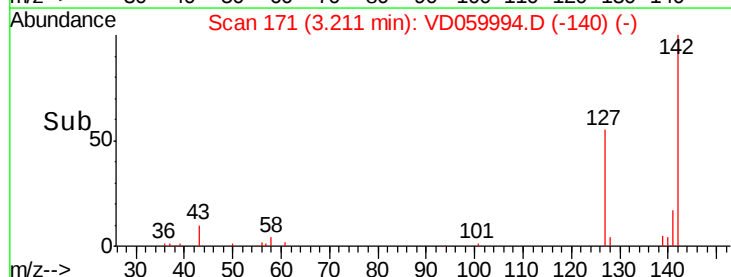
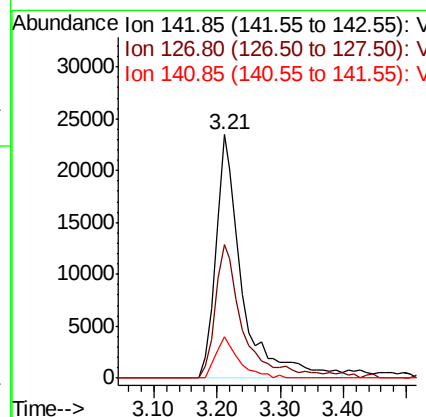
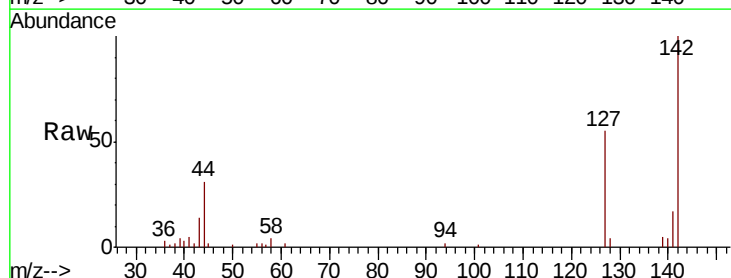
RT: 3.21 min Scan# 171

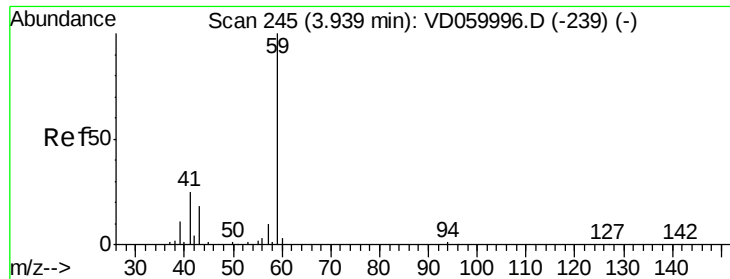
Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tgt Ion:	142	Resp:	68381
Ion Ratio	Lower	Upper	
142	100		
127	54.6	45.8	68.8
141	17.0	12.2	18.4





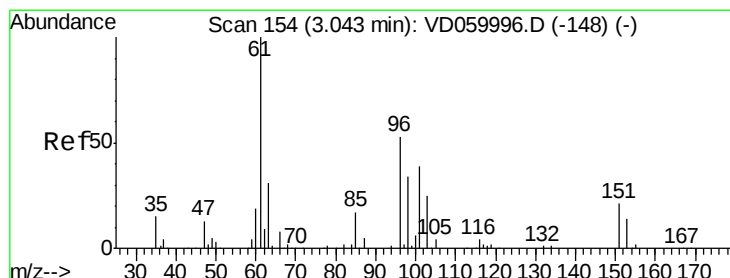
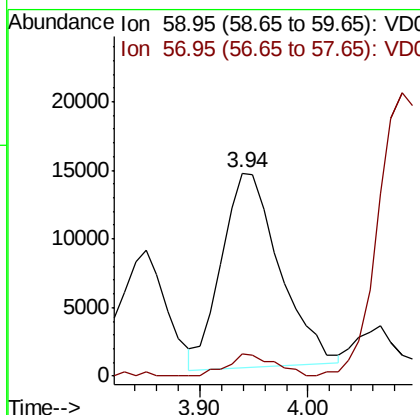
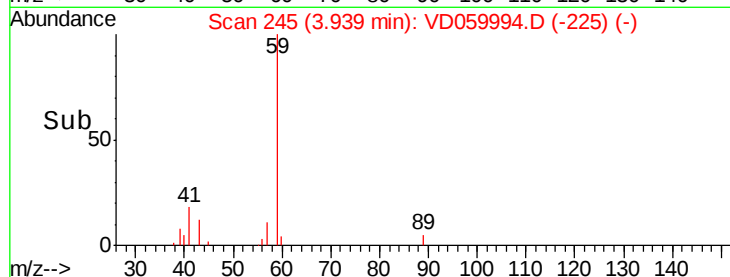
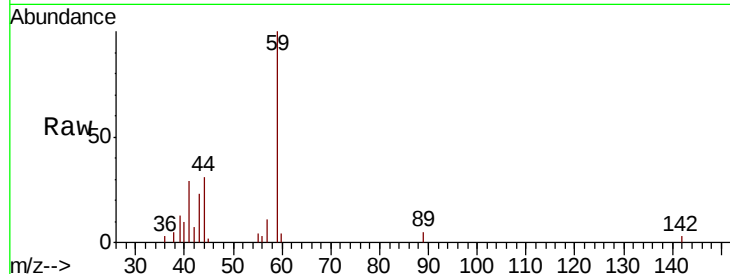
#11
Tert butyl alcohol
Concen: 54.27 ug/l
RT: 3.94 min Scan# 245
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 52963
Ion Ratio Lower Upper
59 100
57 10.7 7.4 11.2

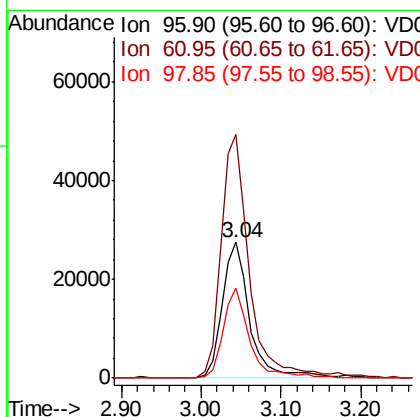
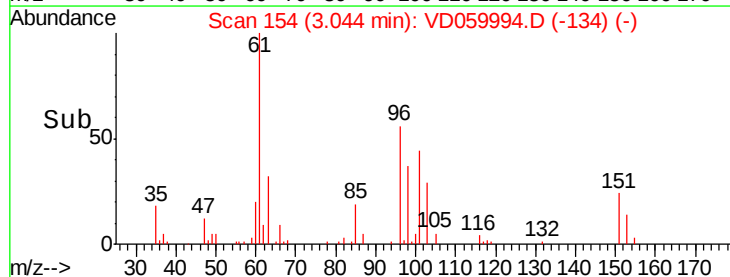
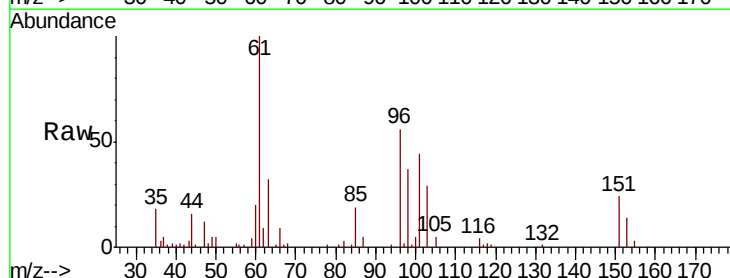
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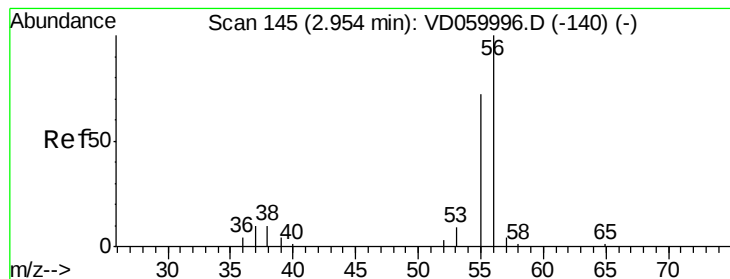
apatel
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#12
1,1-Dichloroethene
Concen: 11.90 ug/l
RT: 3.04 min Scan# 154
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 96 Resp: 66781
Ion Ratio Lower Upper
96 100
61 179.4 149.8 224.6
98 66.6 50.2 75.4





#13

Acrolein

Concen: 74.45 ug/l

RT: 2.95 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 32934

Ion Ratio Lower Upper

56 100

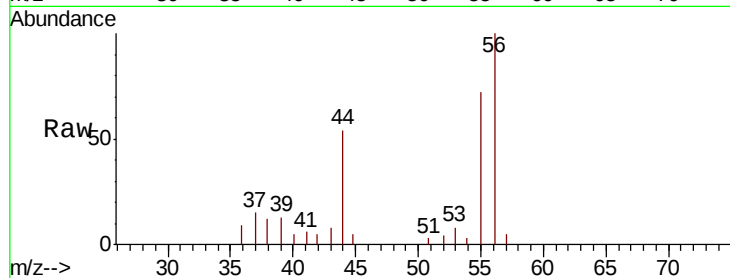
55 71.6 58.3 87.5

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

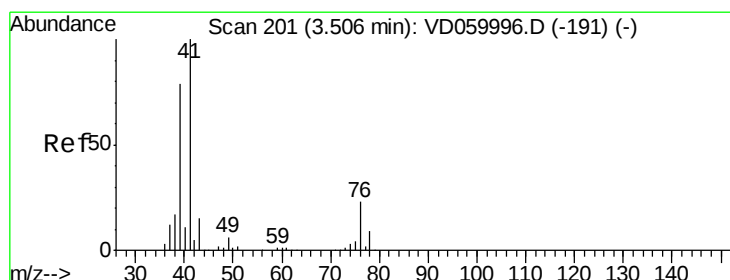
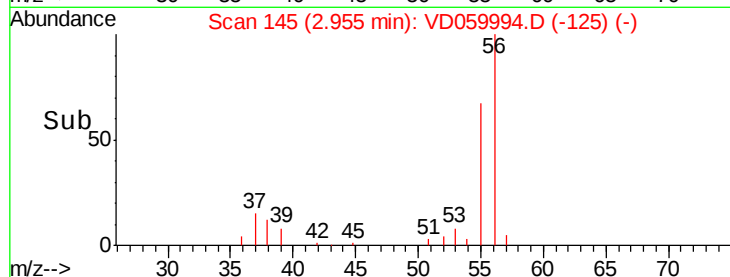
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 11.18 ug/l

RT: 3.51 min Scan# 201

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

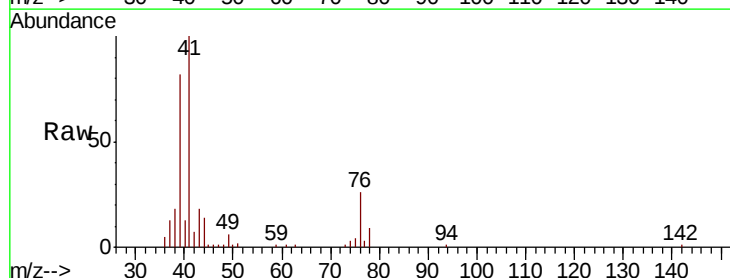
Tgt Ion: 41 Resp: 139637

Ion Ratio Lower Upper

41 100

39 82.4 63.6 95.4

76 26.1 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

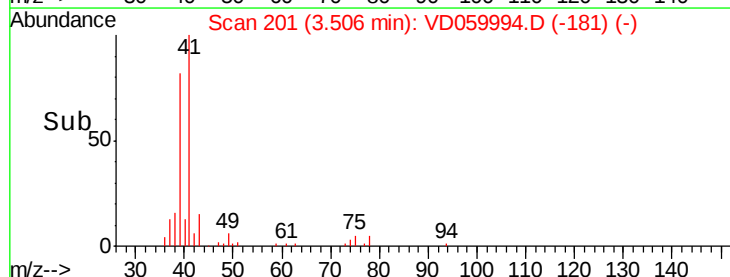
60000

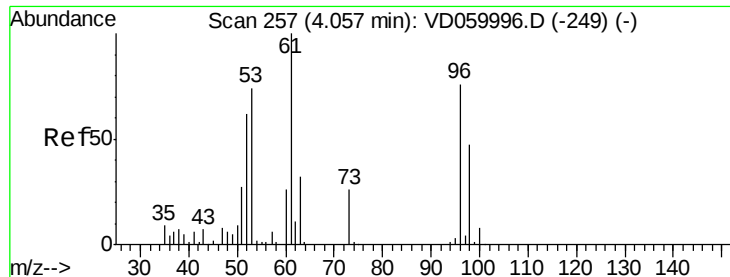
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 53.83 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

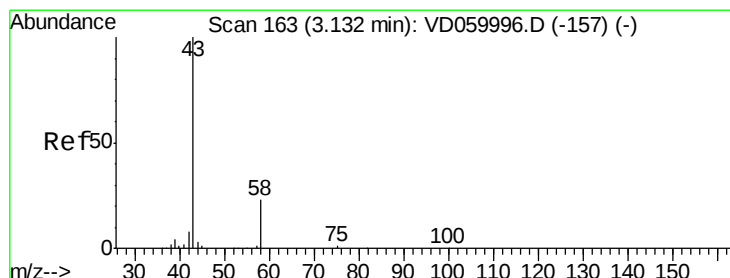
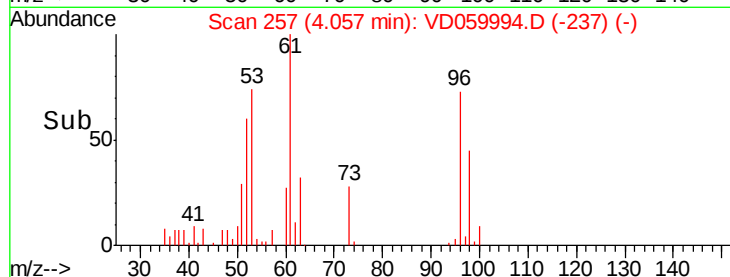
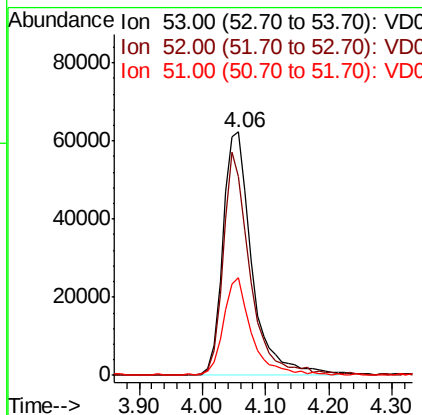
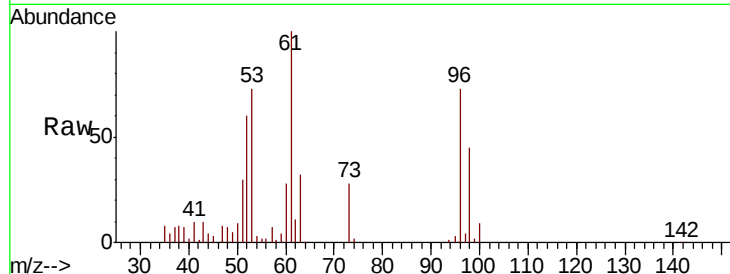
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	198621
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.7	100.1
51	40.3	29.0	43.6

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#16

Acetone

Concen: 56.22 ug/l

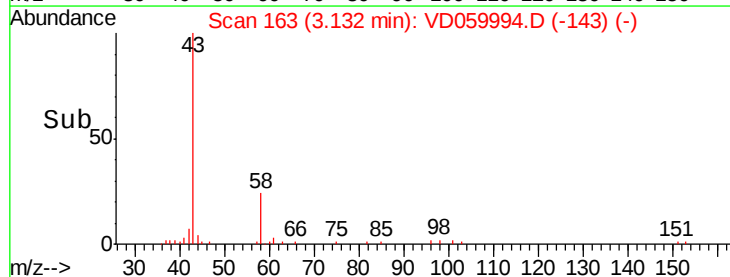
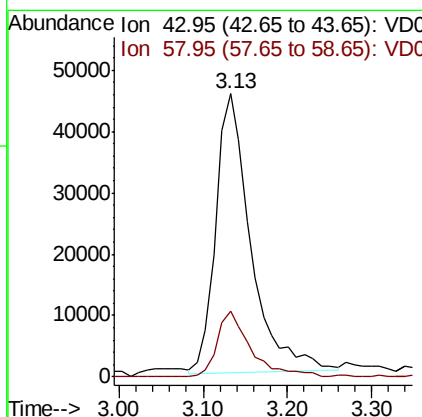
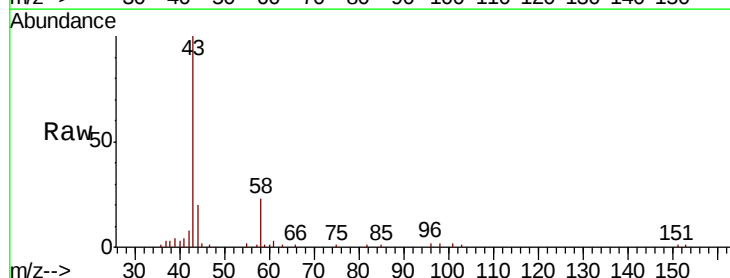
RT: 3.13 min Scan# 163

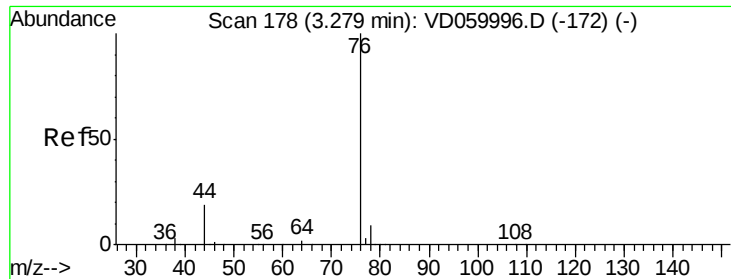
Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tgt Ion:	43	Resp:	131051
Ion Ratio	Lower	Upper	
43	100		
58	23.5	18.1	27.1





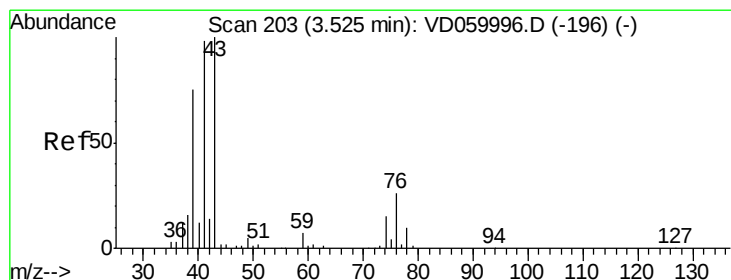
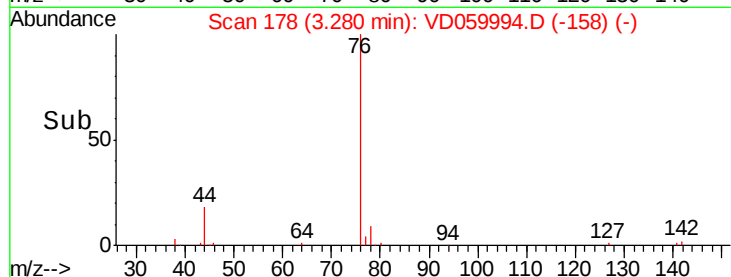
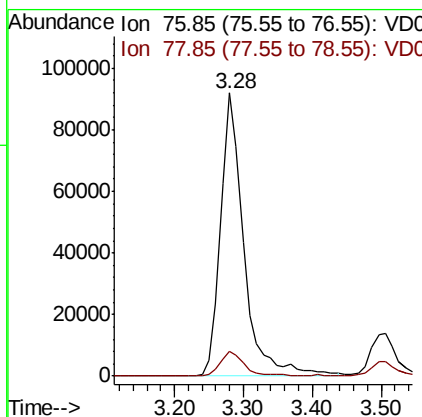
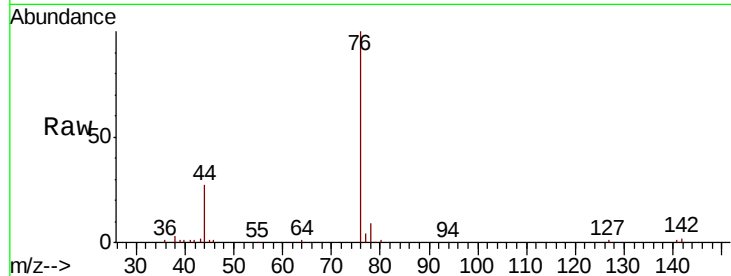
#17
Carbon Disulfide
Concen: 12.16 ug/l
RT: 3.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

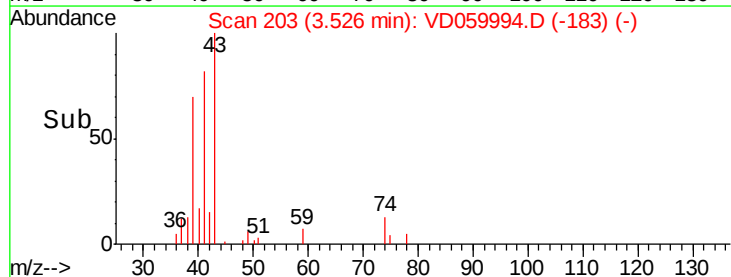
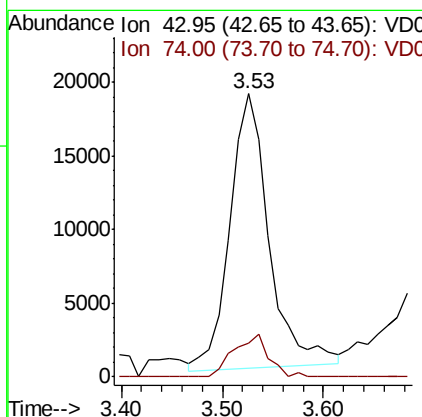
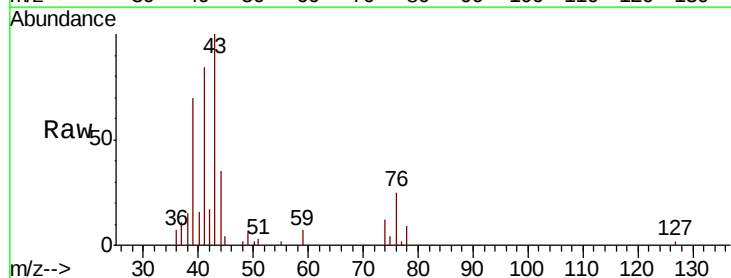
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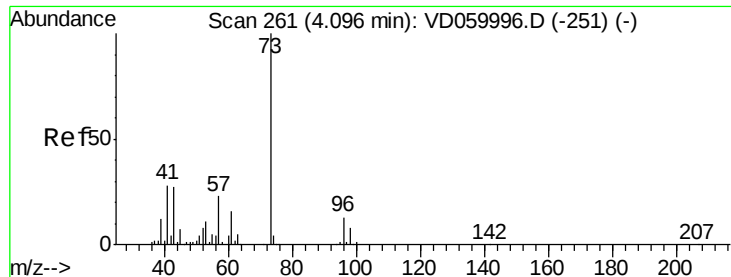
apatel
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#18
Methyl Acetate
Concen: 10.30 ug/l
RT: 3.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.1	11.8	17.8





#19

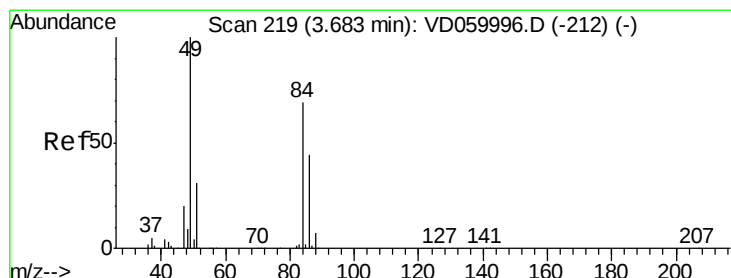
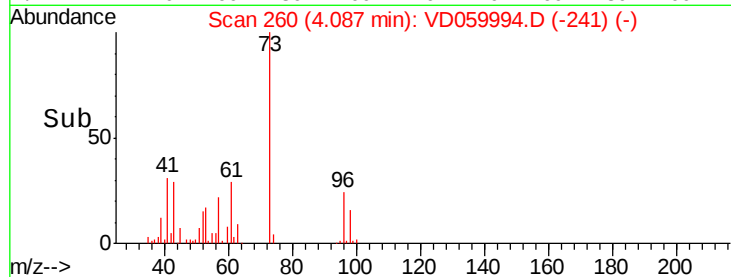
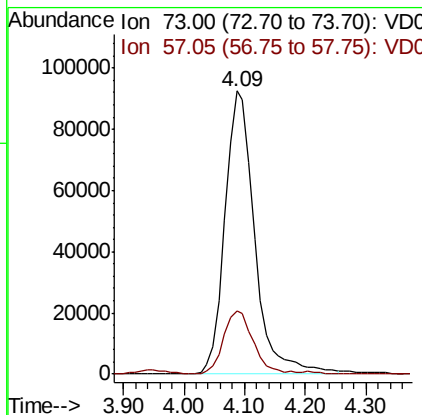
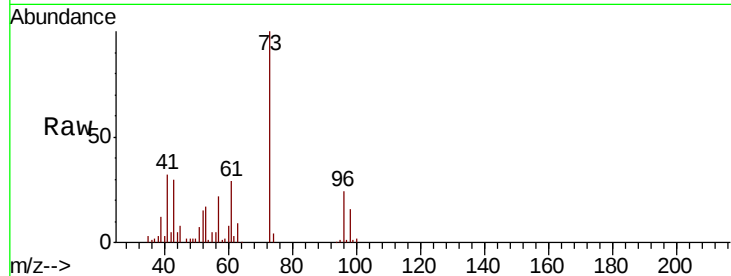
Methyl tert-butyl Ether
 Concen: 10.42 ug/l
 RT: 4.09 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.4	27.6

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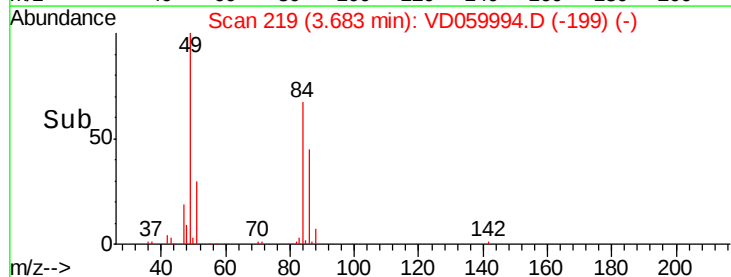
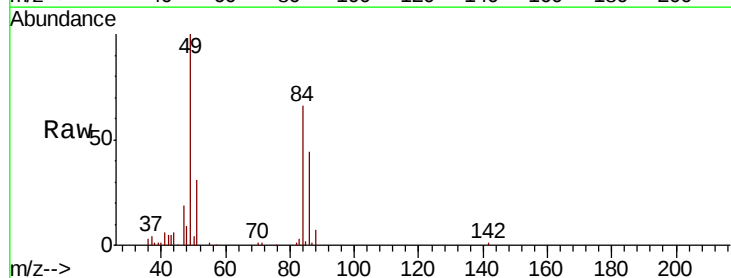
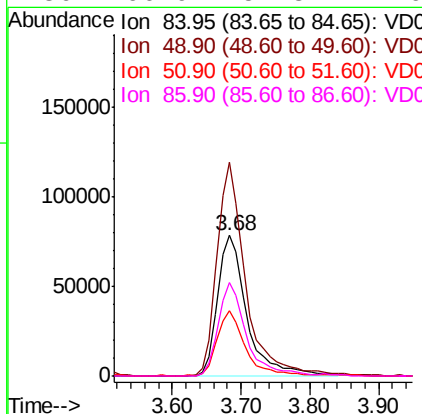
apatel
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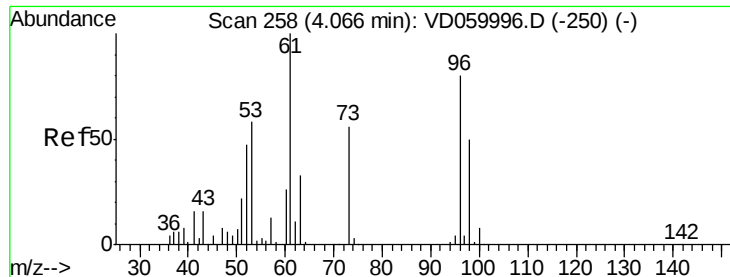


#20

Methylene Chloride
 Concen: 12.17 ug/l
 RT: 3.68 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.8	116.6	175.0
51	46.5	35.9	53.9
86	66.9	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 11.31 ug/l

RT: 4.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 96 Resp: 173353

Ion Ratio Lower Upper

96 100

61 137.2 100.1 150.1

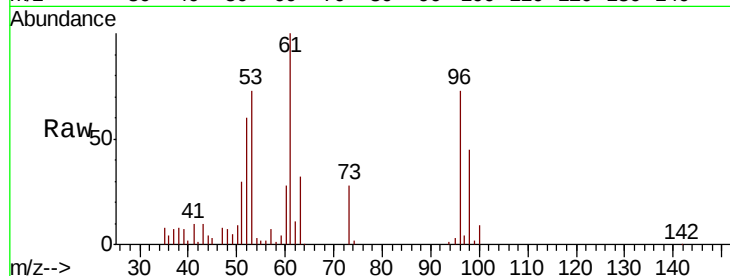
98 61.2 49.5 74.3

Manual Integrations

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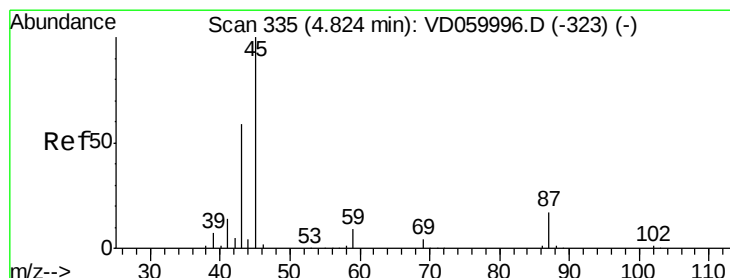
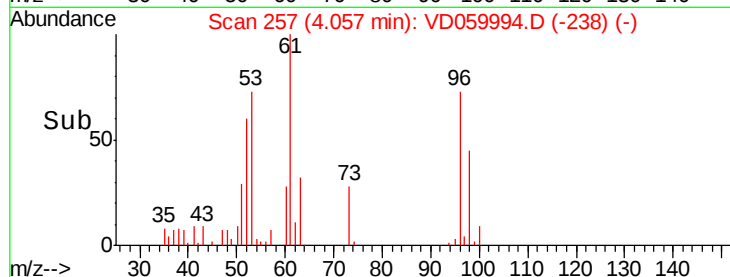
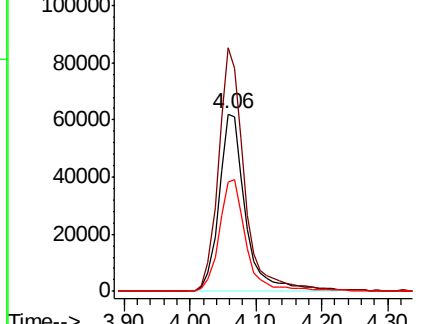
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 10.33 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tgt Ion: 45 Resp: 644597

Ion Ratio Lower Upper

45 100

43 59.0 47.1 70.7

87 16.9 14.2 21.2

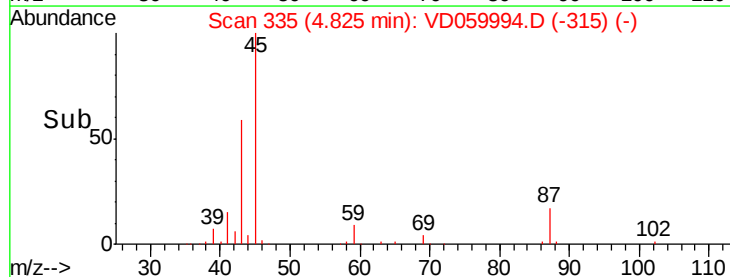
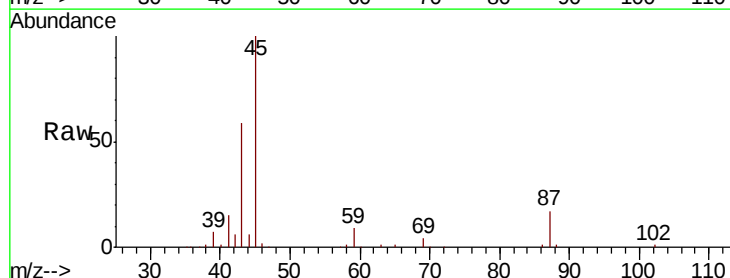
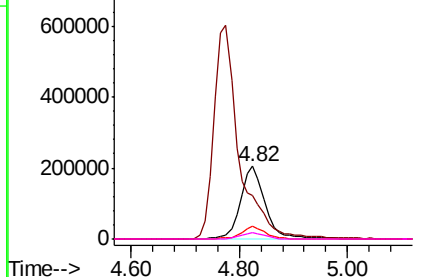
59 9.0 7.0 10.6

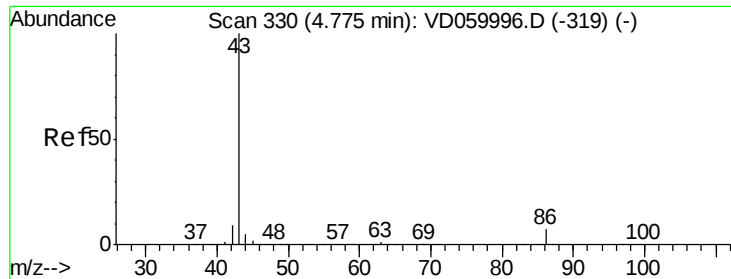
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23
 Vinyl Acetate
 Concen: 55.47 ug/l
 RT: 4.78 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

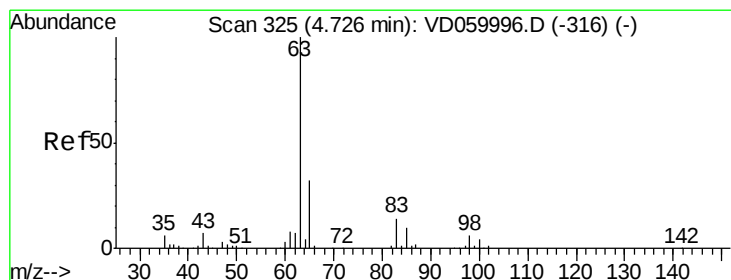
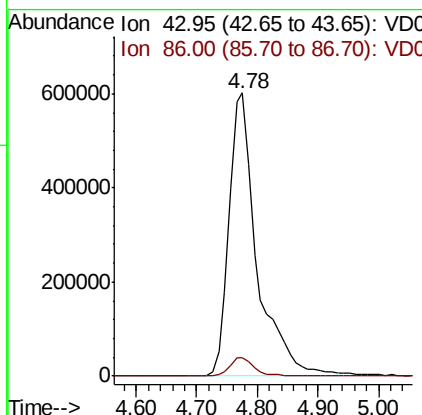
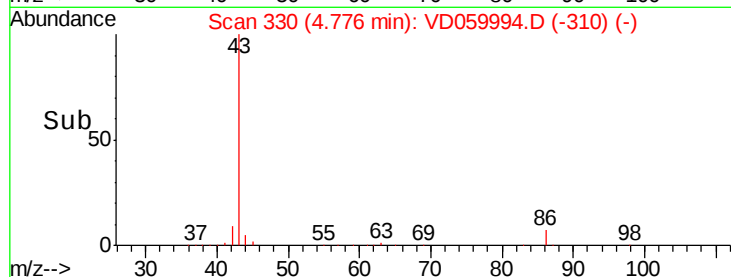
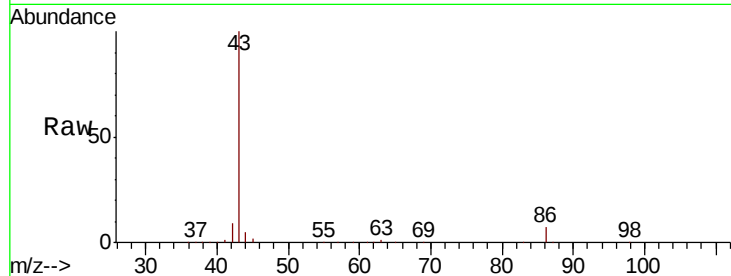
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion: 43 Resp: 1933684

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.5	8.3

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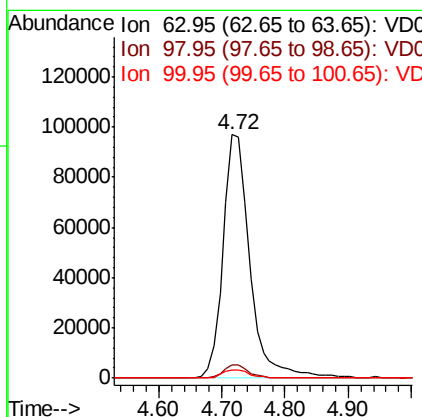
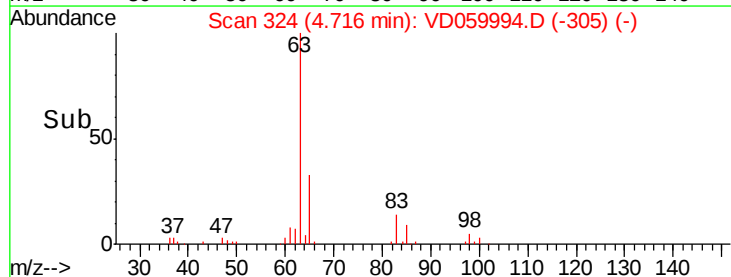
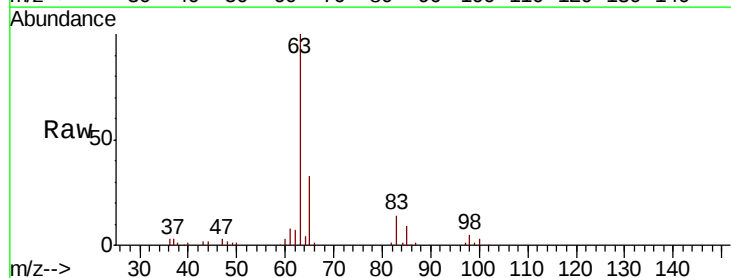
apatel
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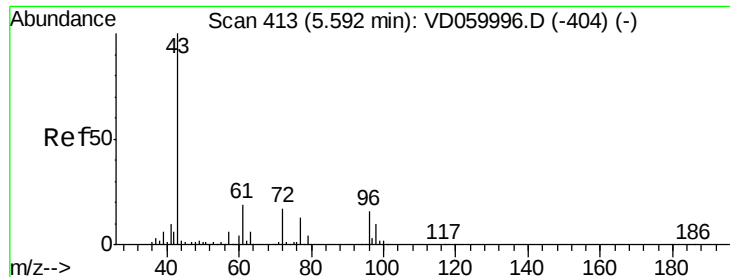


#24
 1,1-Dichloroethane
 Concen: 10.53 ug/l
 RT: 4.72 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion: 63 Resp: 286356

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.9	8.6
100	3.4	1.8	5.4





#25

2-Butanone

Concen: 58.34 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tot Ion: 43 Resp: 392735

Ion Ratio Lower Upper

43 100

72 17.7 13.6 20.4

Instrument :

MSVOA_D

ClientSampleId :

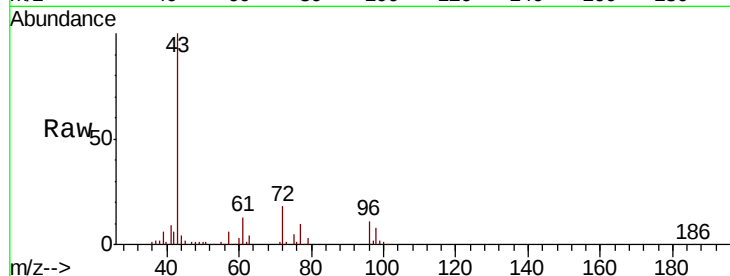
VSTDIC010

Manual Integrations

APPROVED

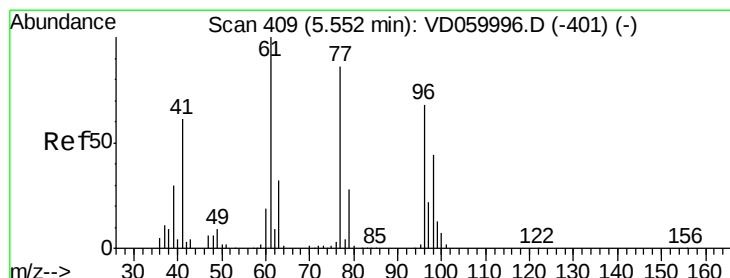
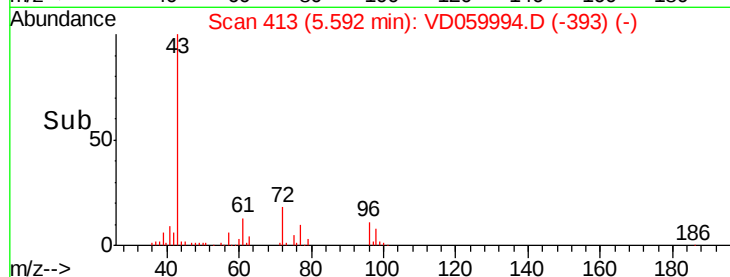
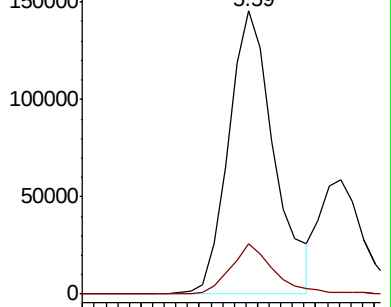
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.24 ug/l

RT: 5.55 min Scan# 409

Delta R.T. 0.00 min

Lab File: VD059994.D

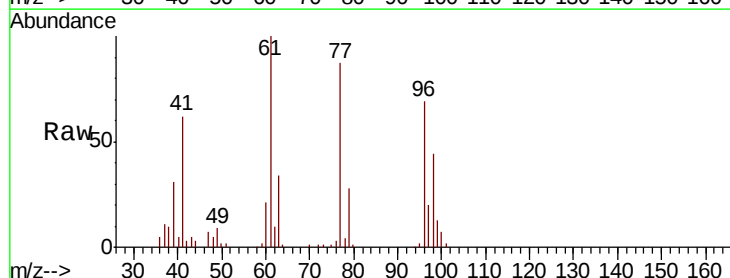
Acq: 13 Sep 2018 12:45

Tgt Ion: 77 Resp: 231257

Ion Ratio Lower Upper

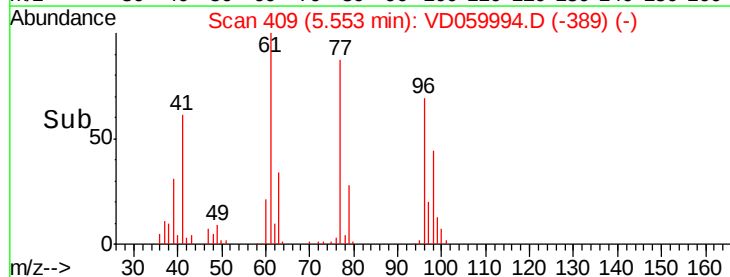
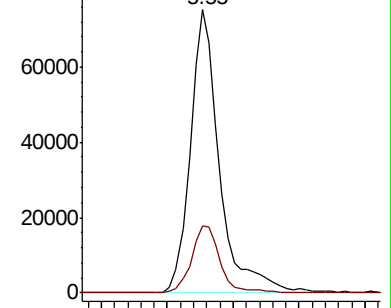
77 100

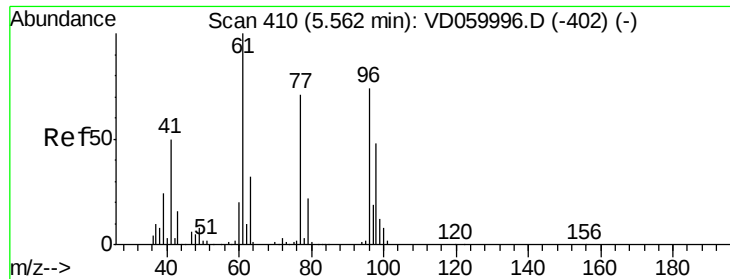
97 23.5 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

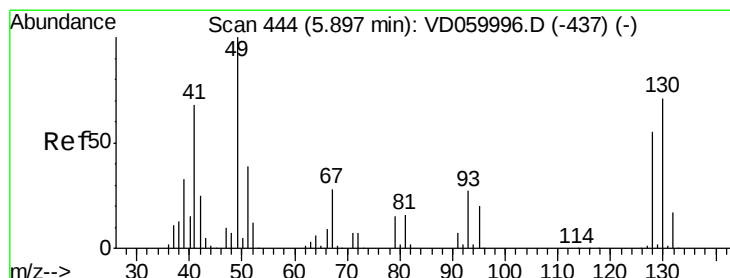
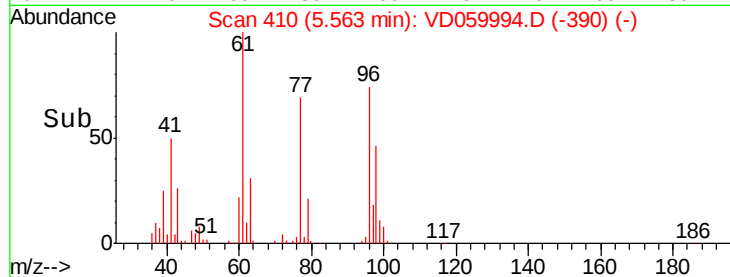
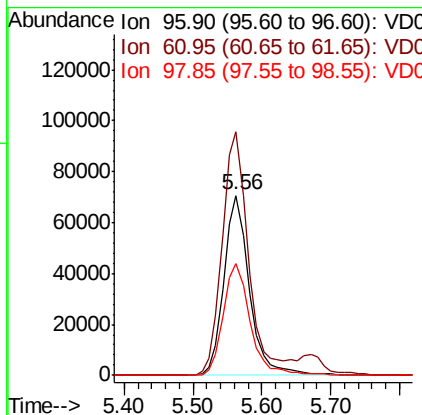
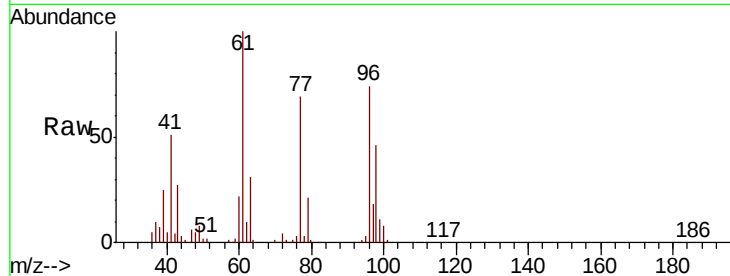
cis-1,2-Dichloroethene
Concen: 10.95 ug/l
RT: 5.56 min Scan# 410
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	269.6
98	62.0	0.0	128.4

Manual Integrations
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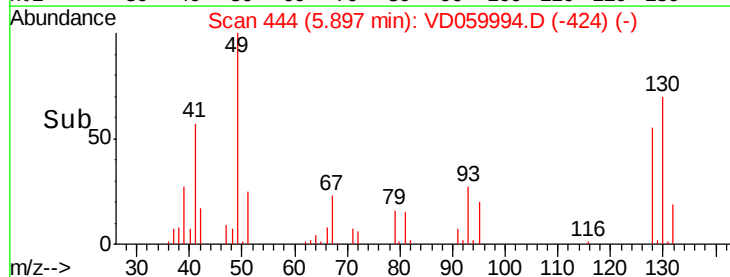
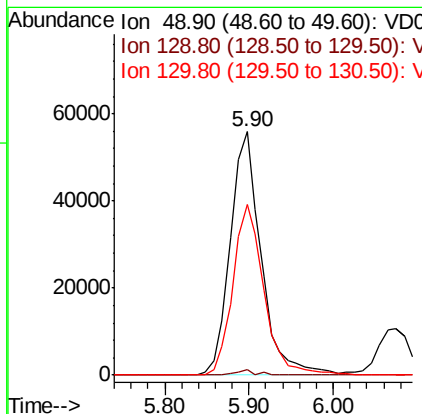
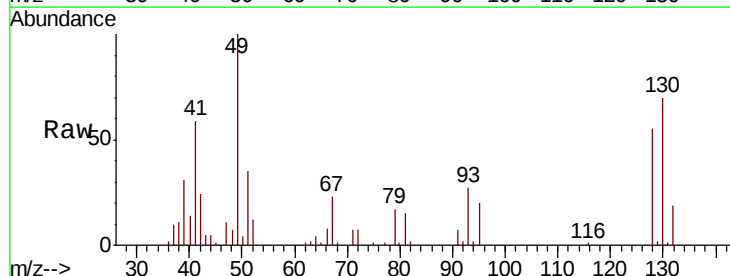
apatel
9/14/2018 10:56:52 AM



#28

Bromochloromethane
Concen: 11.12 ug/l
RT: 5.90 min Scan# 444
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	70.1	57.1	85.7





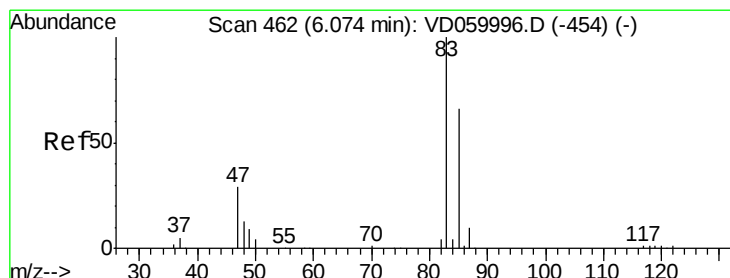
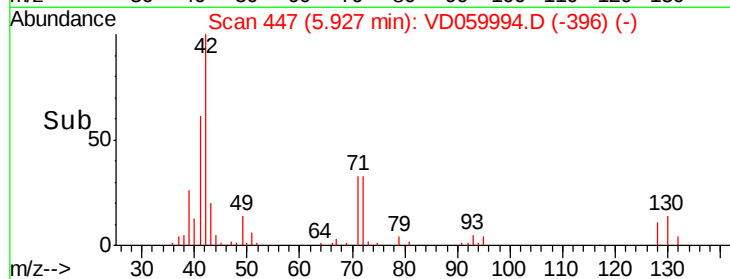
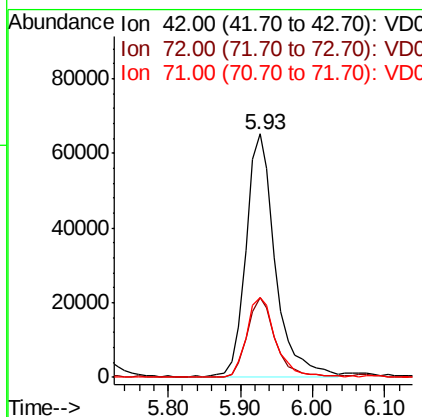
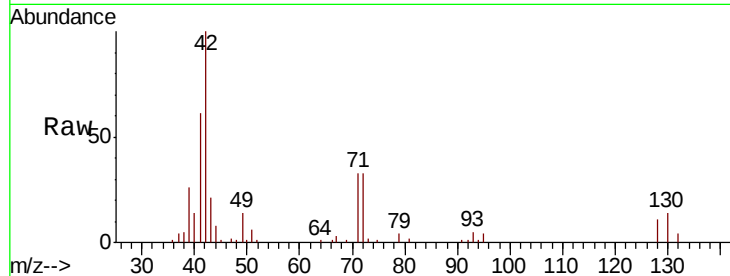
#29
Tetrahydrofuran
Concen: 55.63 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.6	26.9	40.3
71	32.4	26.2	39.4

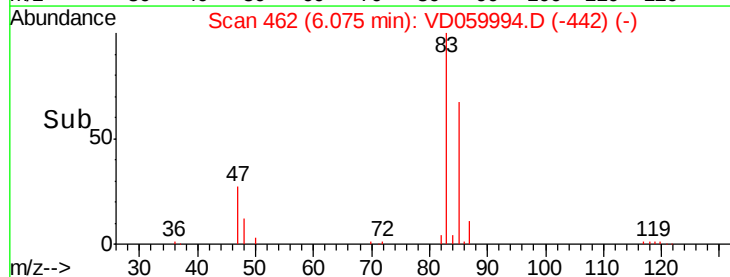
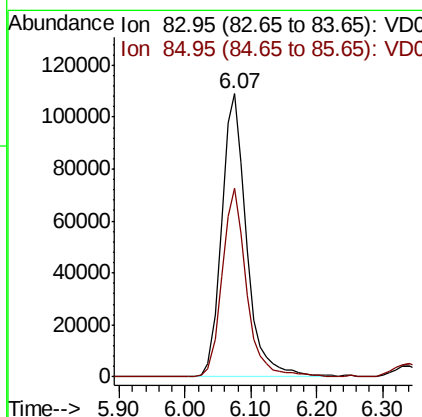
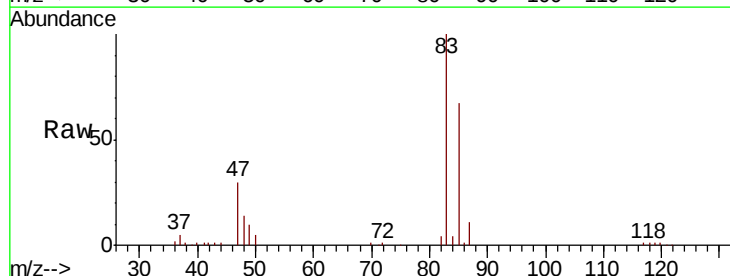
Manual Integrations
APPROVED

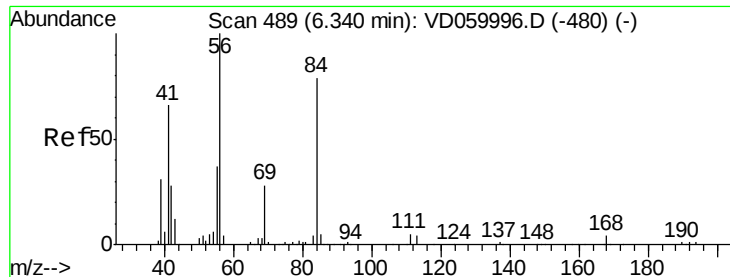
apatel
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#30
Chloroform
Concen: 10.41 ug/l
RT: 6.07 min Scan# 462
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.6	78.8





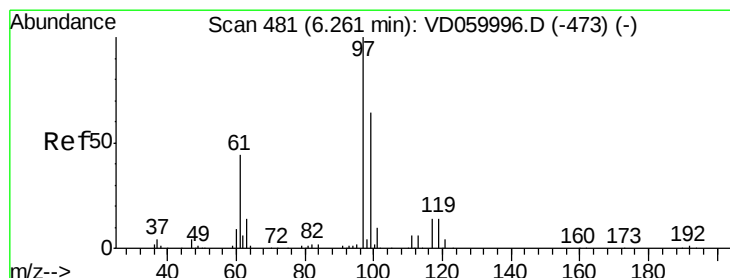
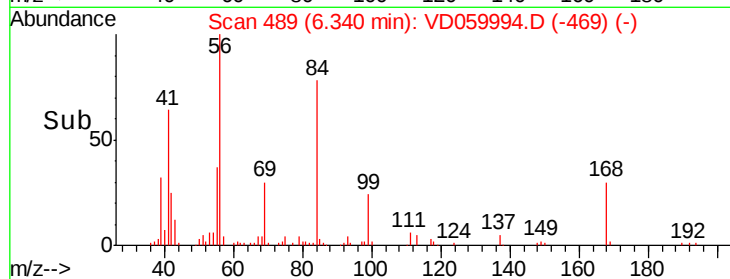
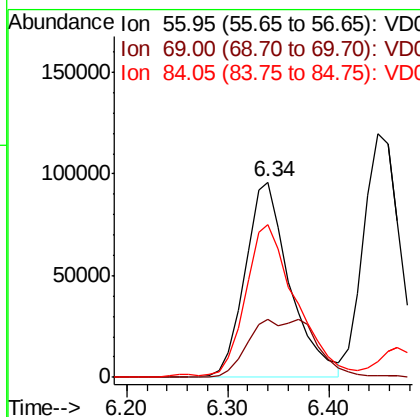
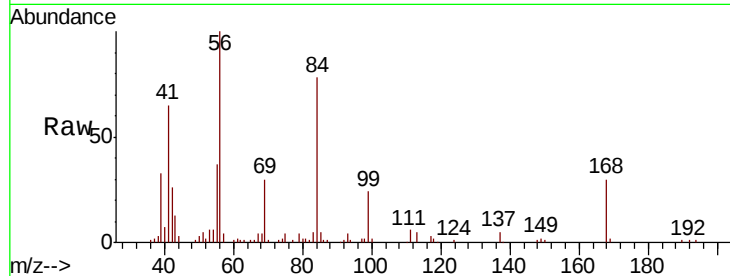
#31
Cyclohexane
Concen: 11.64 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.7	34.1
84	78.4	64.0	96.0

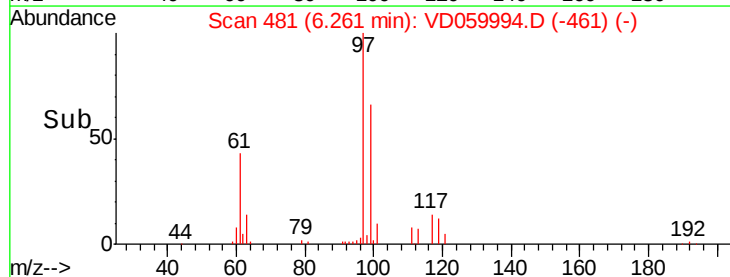
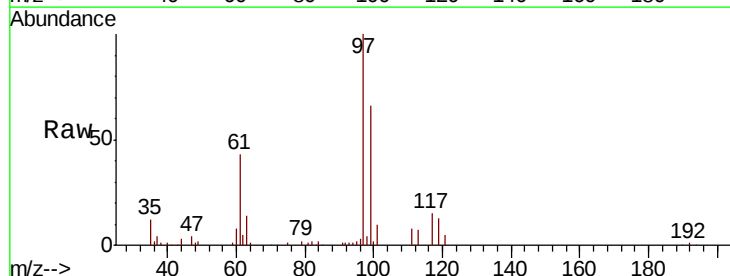
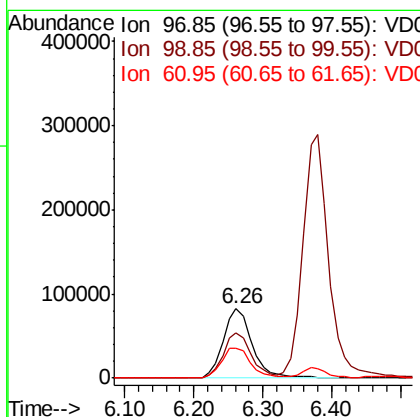
Manual Integrations
APPROVED

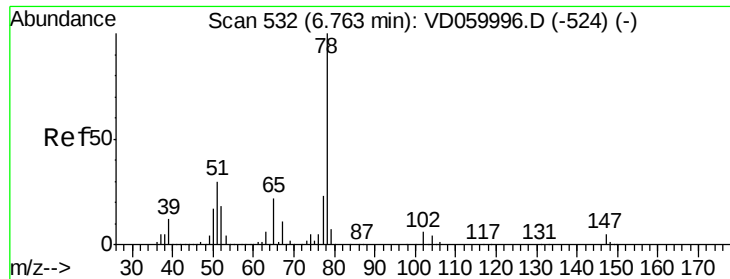
apatel
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#32
1,1,1-Trichloroethane
Concen: 10.24 ug/l
RT: 6.26 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.3	76.9
61	42.7	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 10.24 ug/l

RT: 6.75 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tot Ion: 65 Resp: 128337

Ion Ratio Lower Upper

65 100

67 58.4 0.0 104.8

Instrument :

MSVOA_D

ClientSampleId :

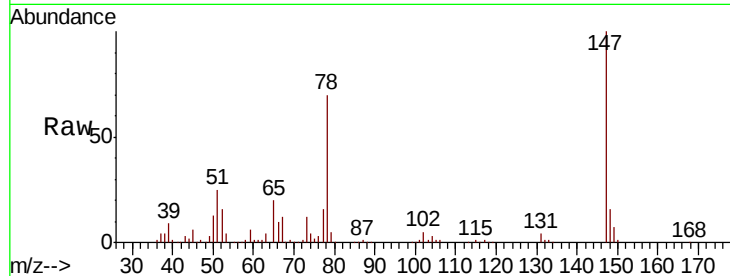
VSTDIC010

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.75

50000

40000

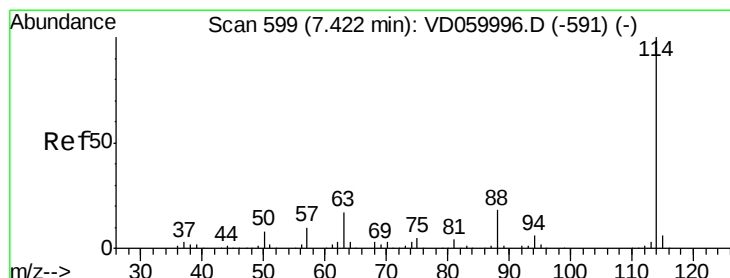
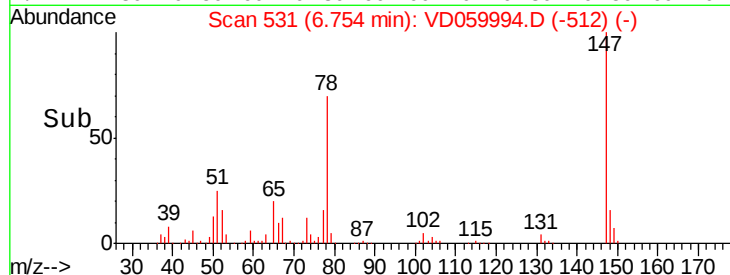
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.41 min Scan# 598

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

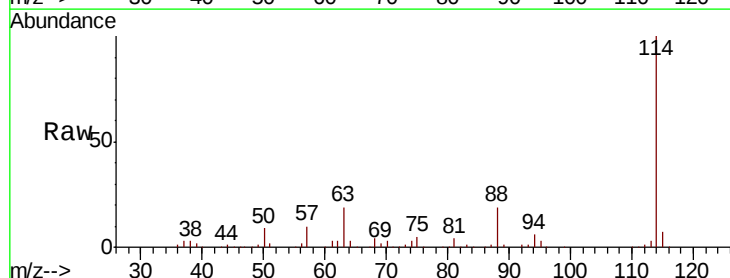
Tgt Ion: 114 Resp: 2099034

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.4

88 18.9 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

7.41

1000000

800000

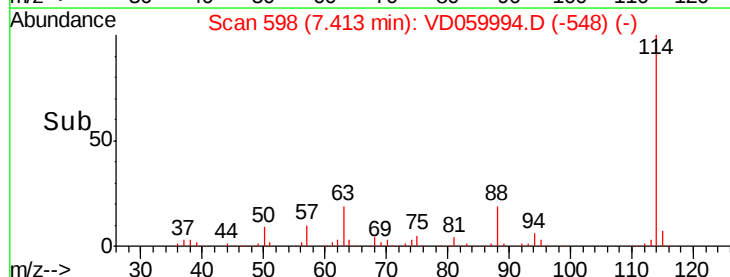
600000

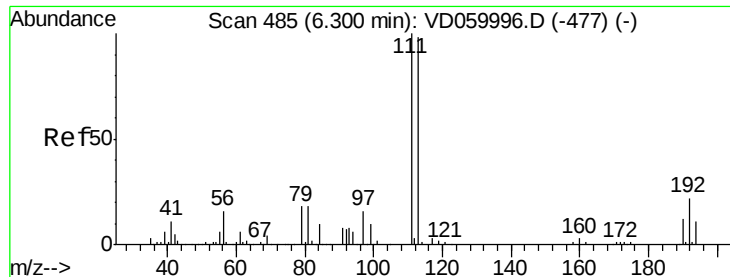
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.29 min Scan# 484

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

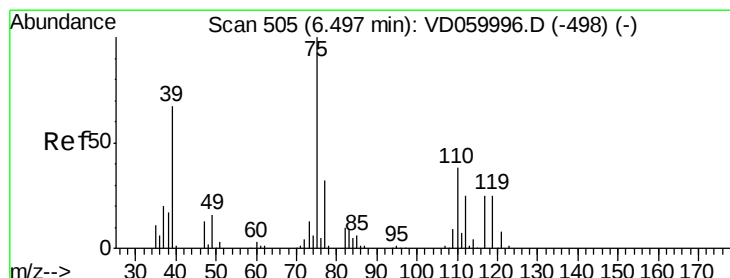
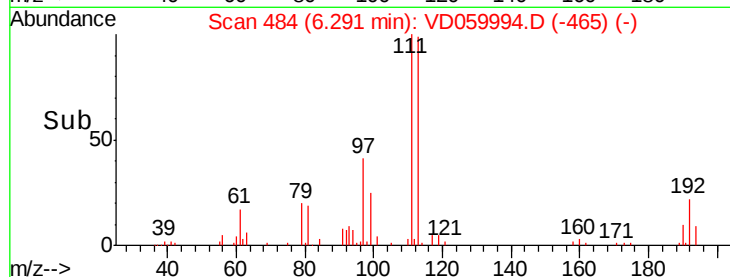
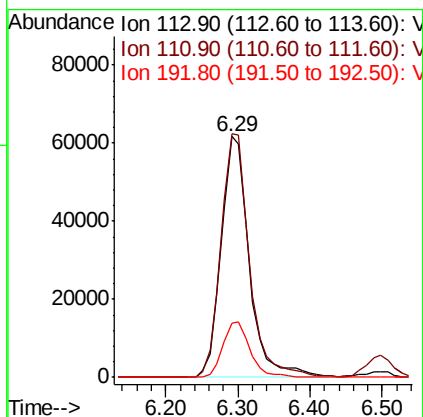
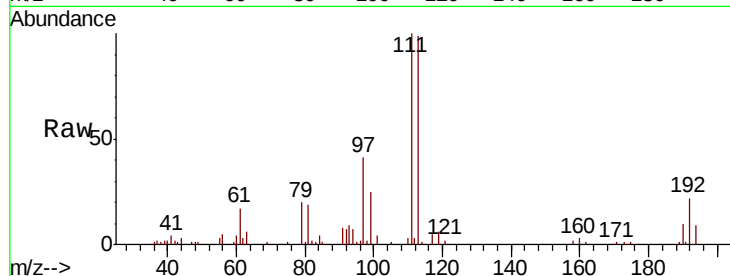
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	165899
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.3	121.9
192	22.5	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 11.69 ug/l

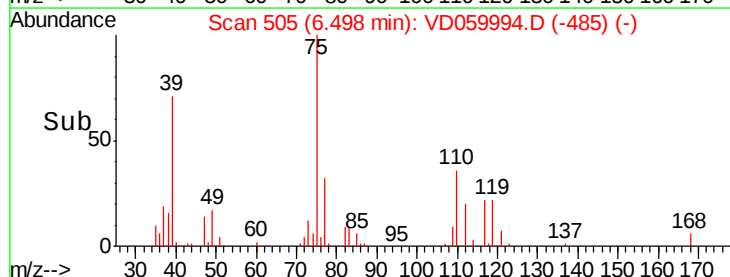
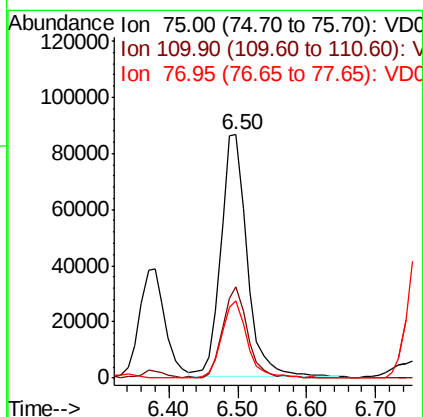
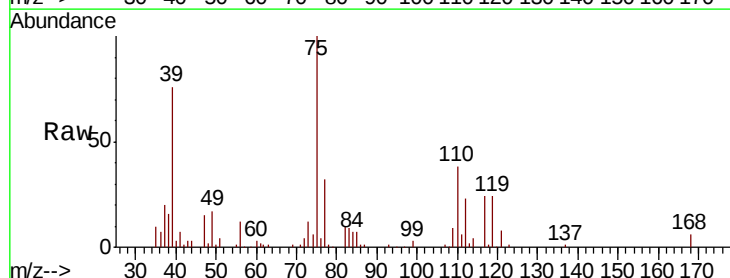
RT: 6.50 min Scan# 505

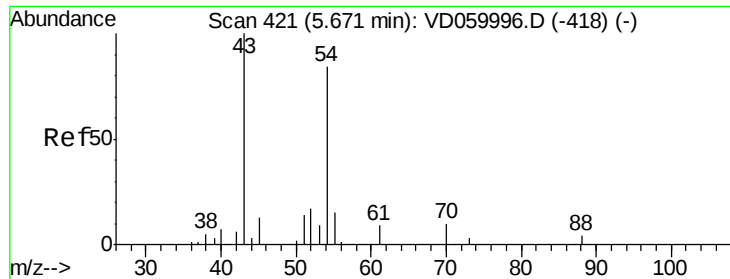
Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tgt Ion:	75	Resp:	227601
Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.9	56.9
77	31.9	25.3	37.9





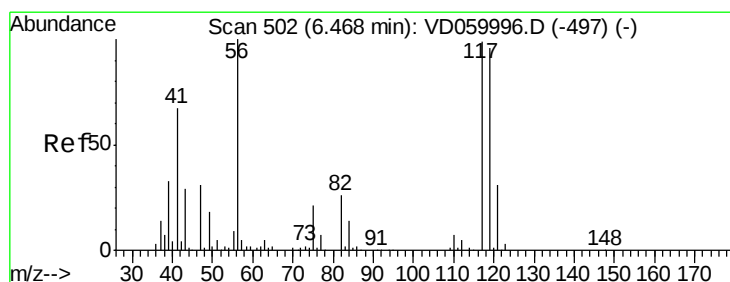
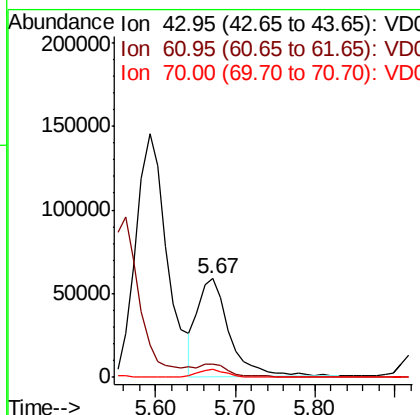
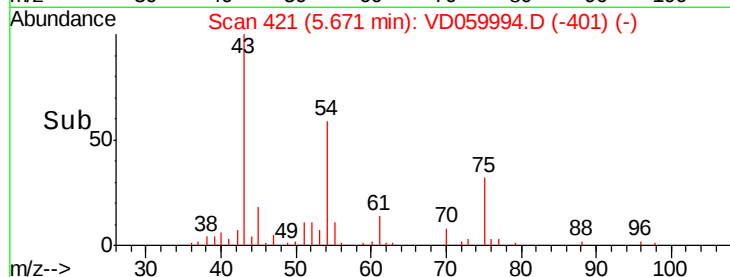
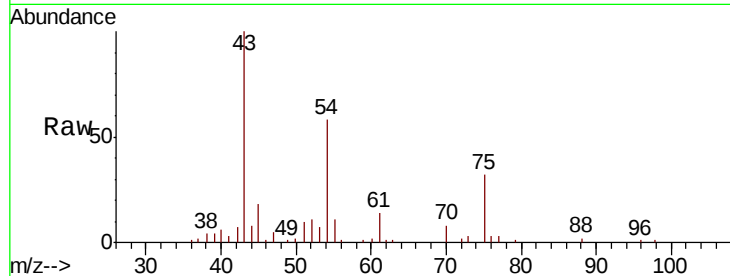
#37
Ethyl Acetate
Concen: 10.94 ug/l
RT: 5.67 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.2
70	7.7	6.1	9.1

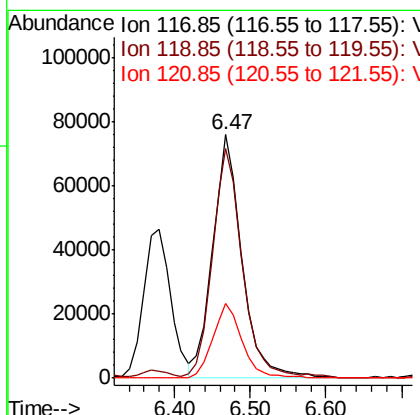
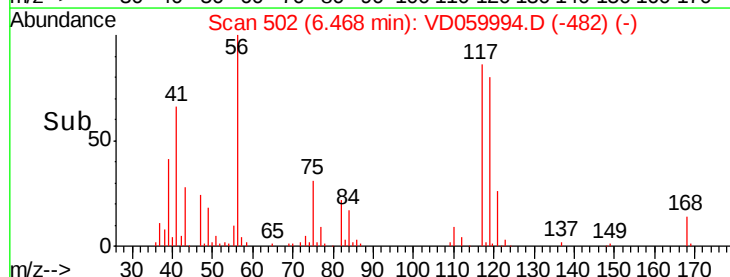
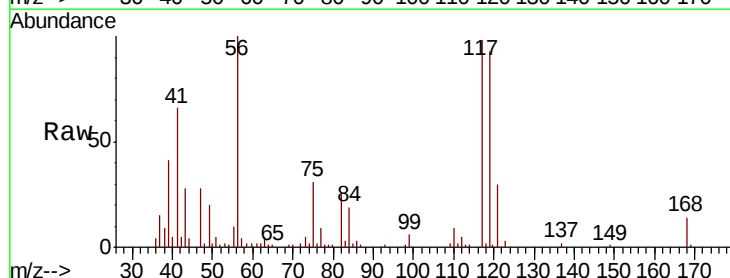
Manual Integrations
APPROVED

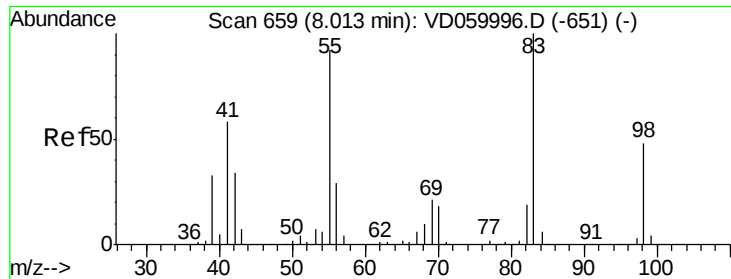
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#38
Carbon Tetrachloride
Concen: 10.50 ug/l
RT: 6.47 min Scan# 502
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.7	115.1
121	30.5	24.9	37.3





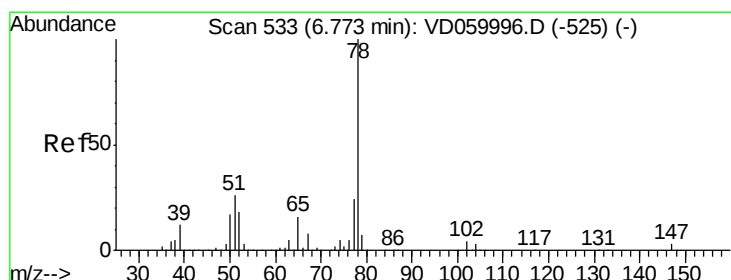
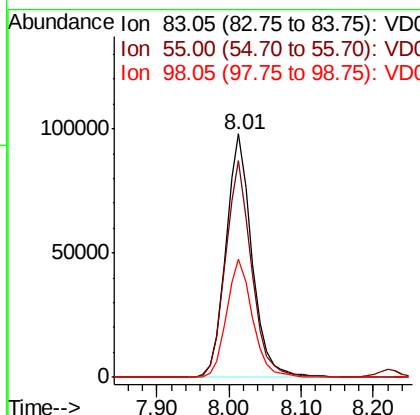
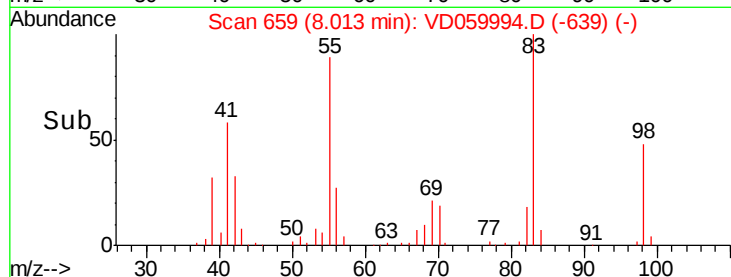
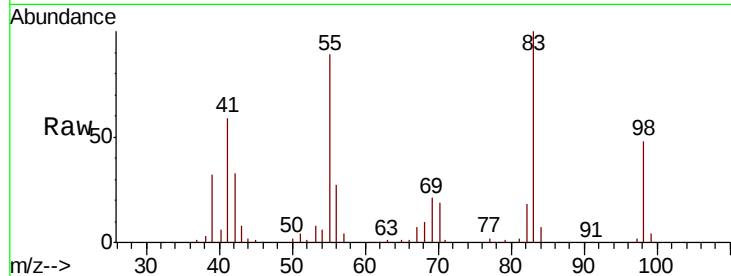
#39
Methvlcvclohexane
Concen: 11.52 ug/l
RT: 8.01 min Scan# 659
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	244534
Ion Ratio	100	Lower	Upper
83	100		
55	89.0	73.8	110.6
98	48.4	38.1	57.1

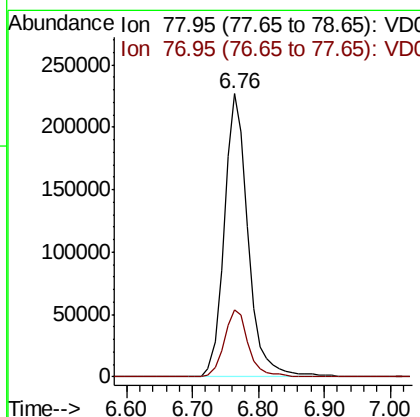
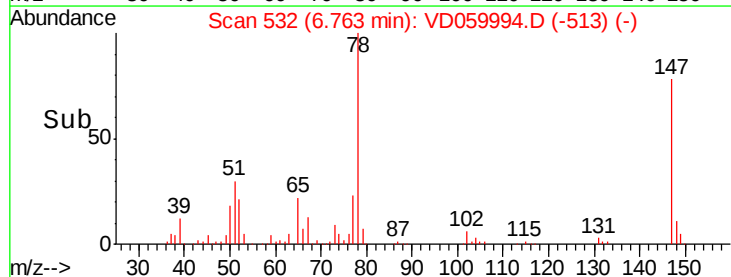
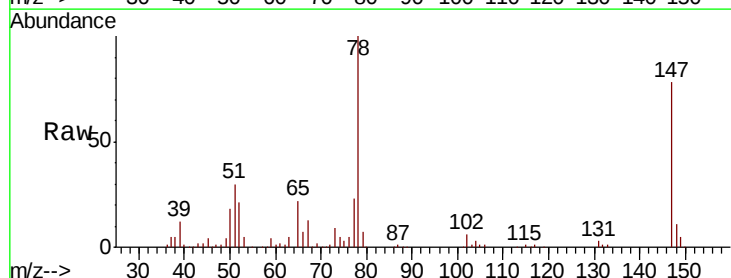
Manual Integrations
APPROVED

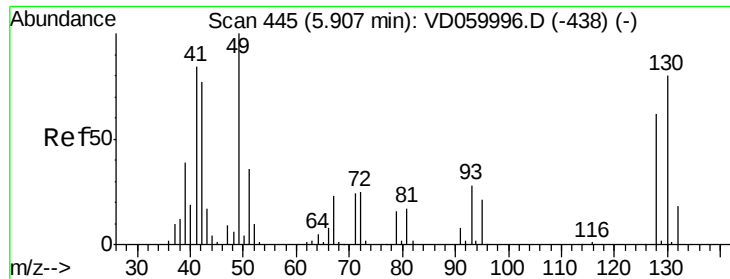
apatel
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#40
Benzene
Concen: 11.28 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	78	Resp	571942
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.0	28.4





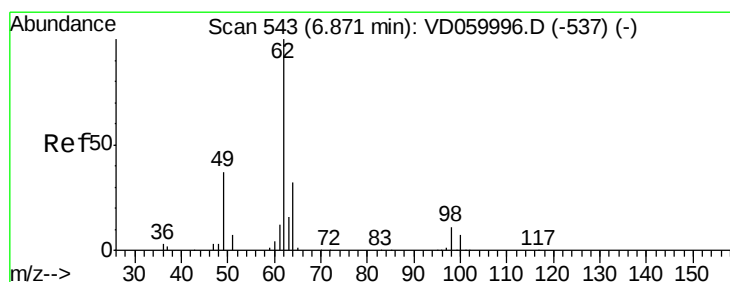
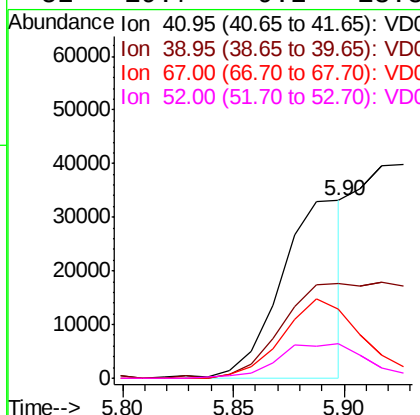
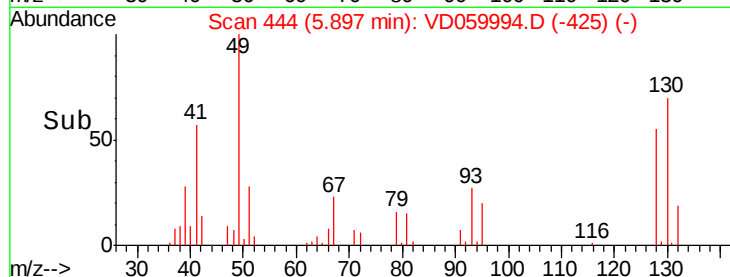
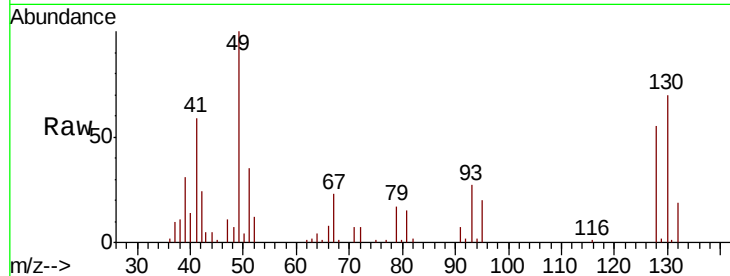
#41
Methacrylonitrile
Concen: 8.93 ug/l m
RT: 5.90 min Scan# 444
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.0	37.5	56.3
67	38.9	21.5	32.3
52	19.7	9.2	13.8

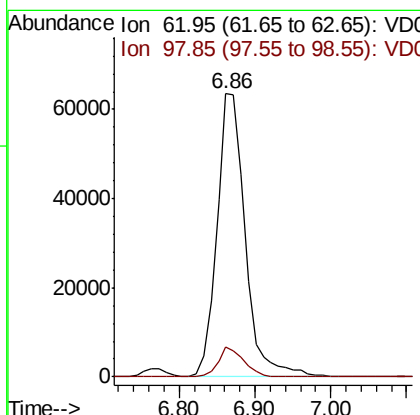
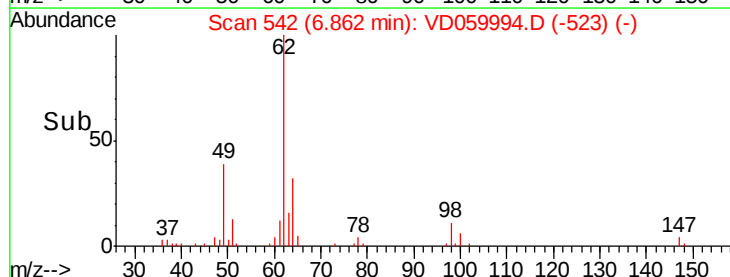
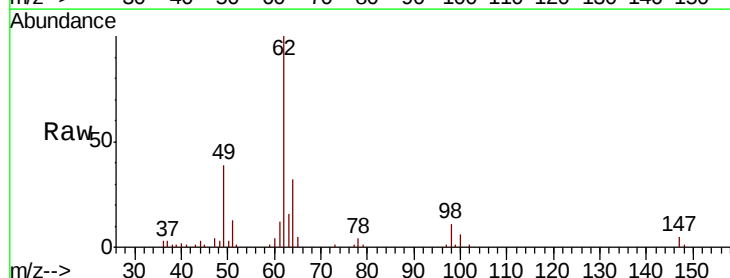
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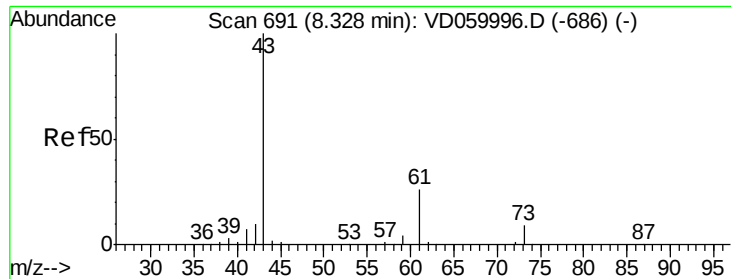
apatel
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#42
1,2-Dichloroethane
Concen: 10.38 ug/l
RT: 6.86 min Scan# 542
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.4





#43

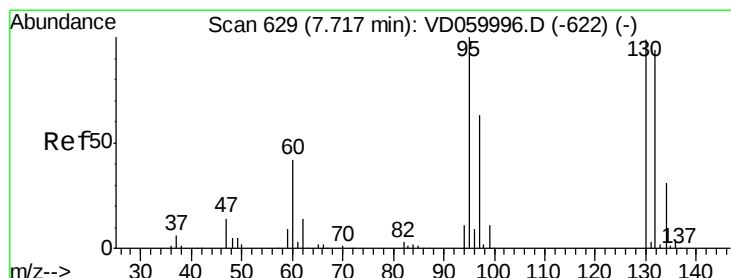
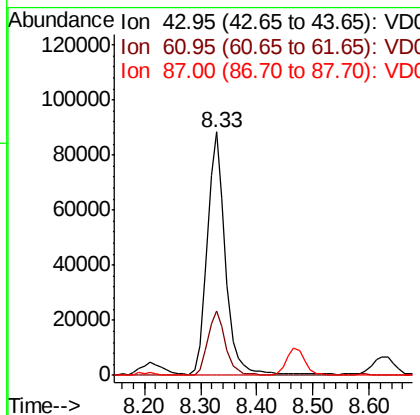
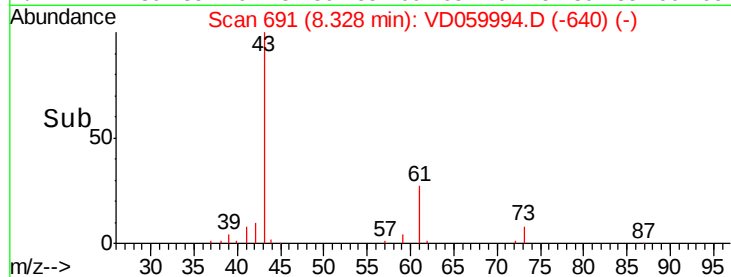
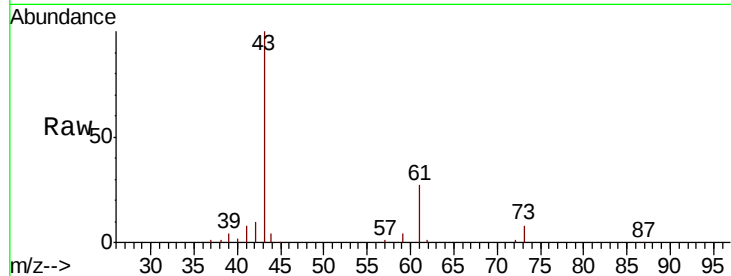
Isopropyl Acetate
 Concen: 10.51 ug/l
 RT: 8.33 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	0.4	0.2	0.2#

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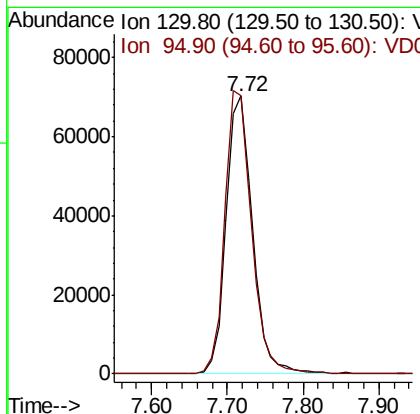
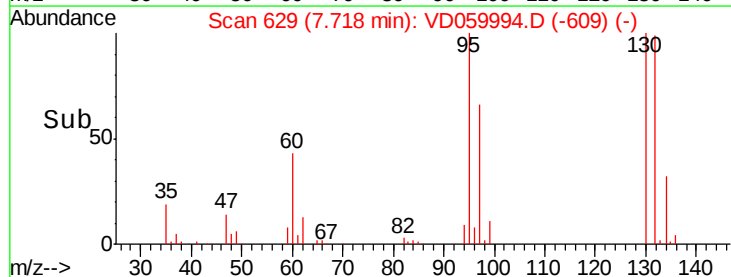
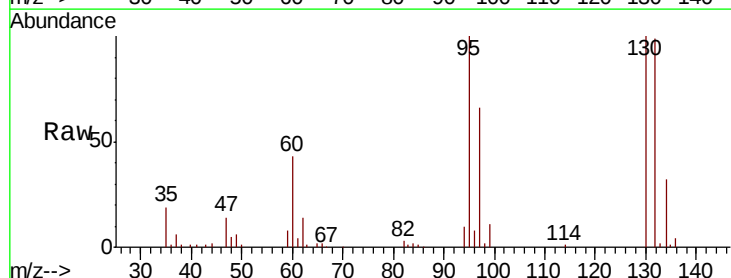
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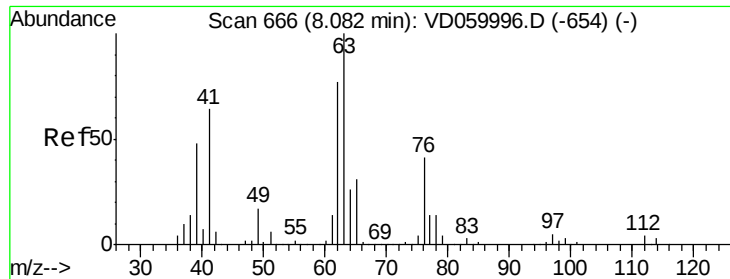


#44

Trichloroethene
 Concen: 11.25 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	202.0





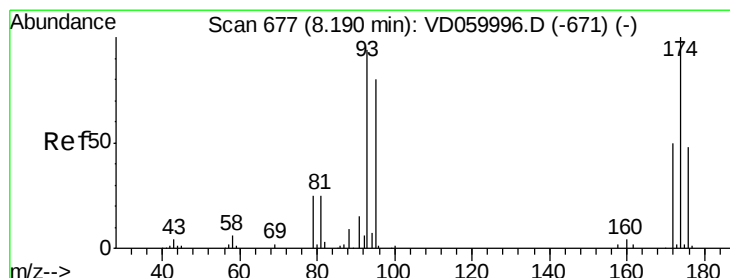
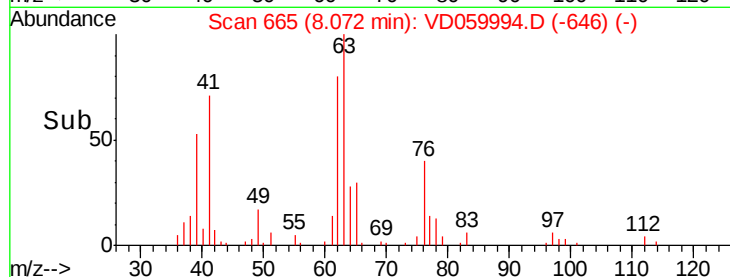
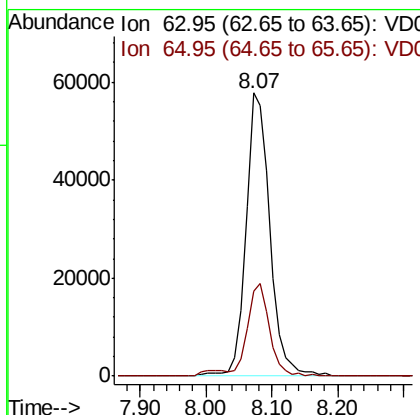
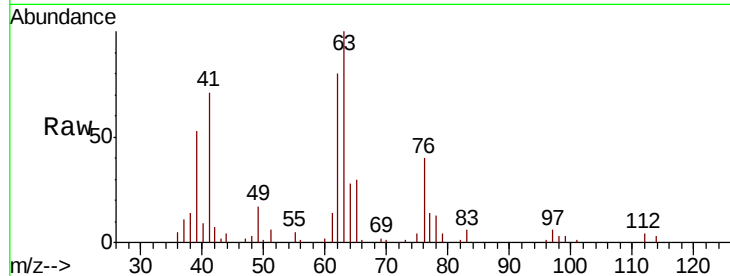
#45
 1,2-Dichloropropane
 Concen: 10.47 ug/l
 RT: 8.07 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 146654
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

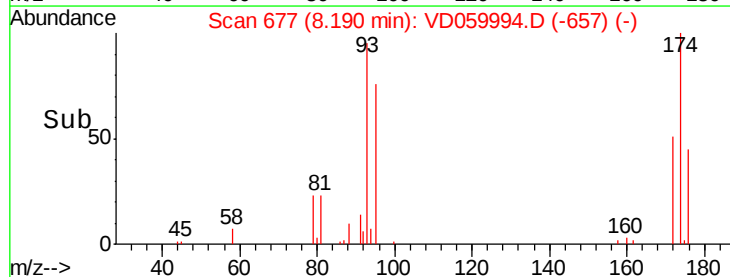
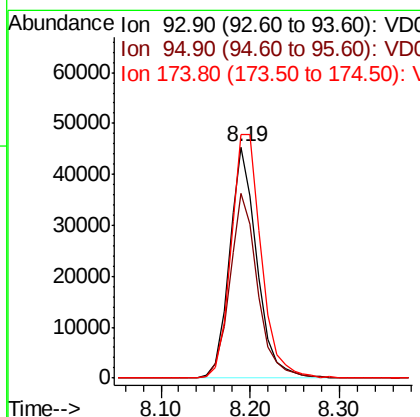
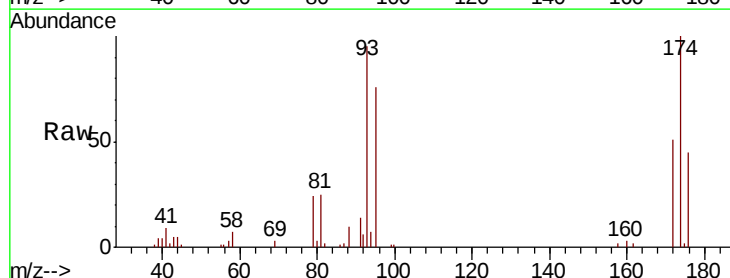
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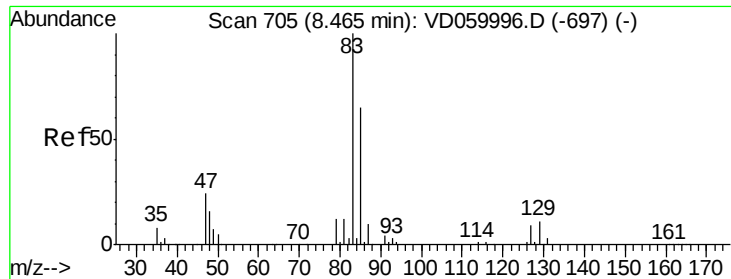
apatel
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#46
 Dibromomethane
 Concen: 10.79 ug/l
 RT: 8.19 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion: 93 Resp: 97349
 Ion Ratio Lower Upper
 93 100
 95 80.0 68.0 102.0
 174 105.2 85.4 128.2





#47

Bromodichloromethane

Concen: 10.16 ug/l

RT: 8.47 min Scan# 705

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

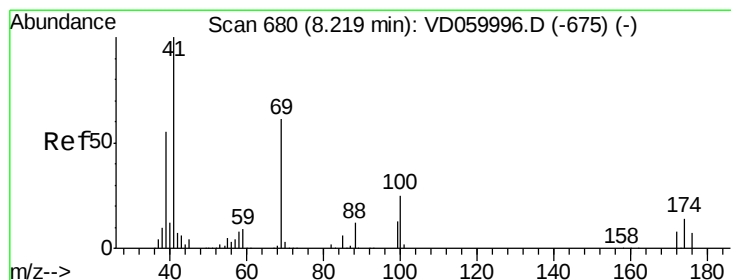
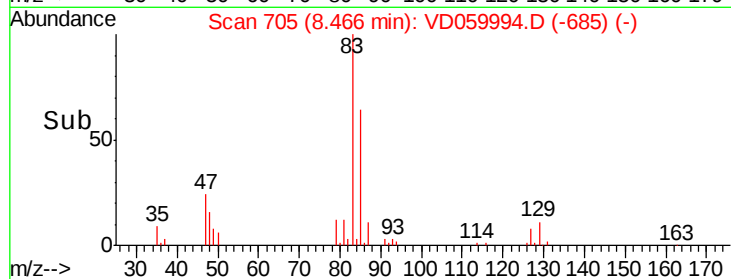
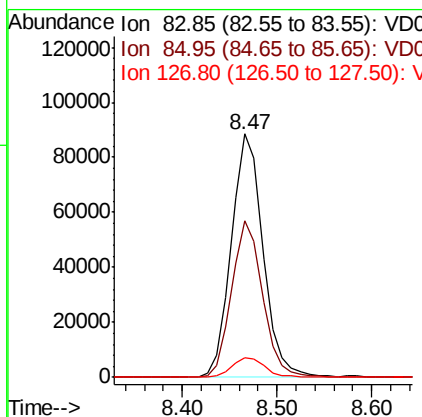
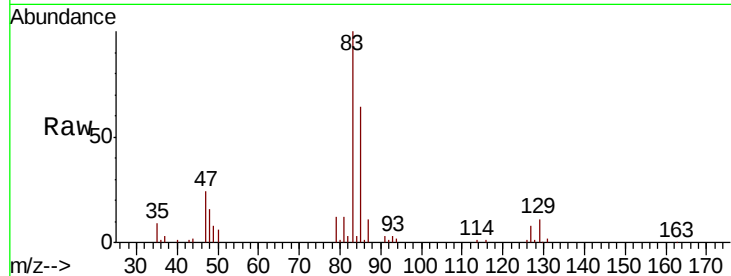
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	205523
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.9	77.9
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.29 ug/l

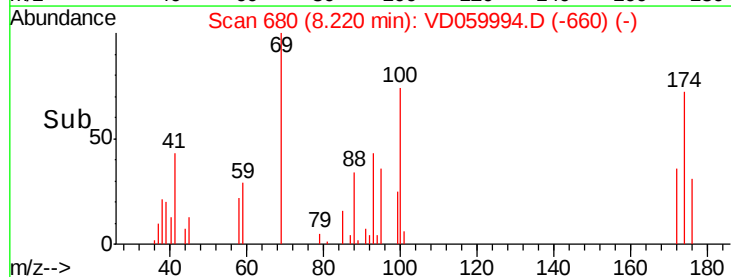
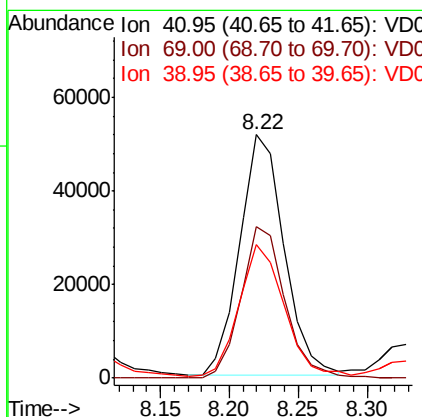
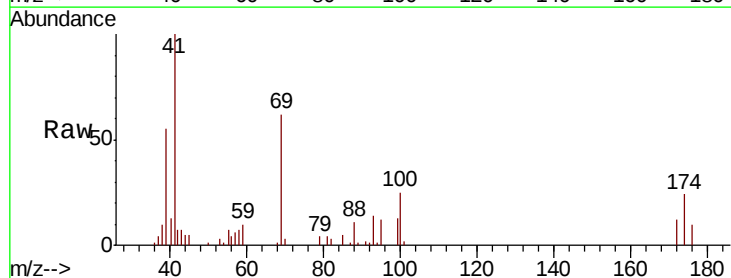
RT: 8.22 min Scan# 680

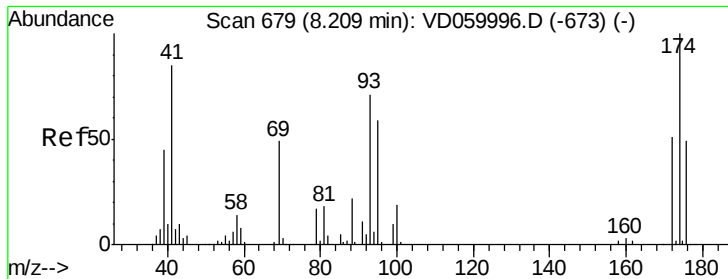
Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tgt Ion:	41	Resp:	115549
Ion Ratio	Lower	Upper	
41	100		
69	62.1	48.3	72.5
39	54.6	44.1	66.1





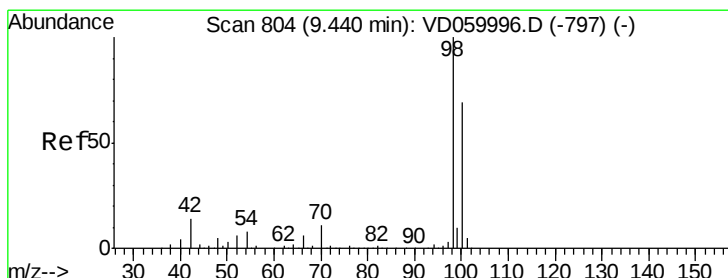
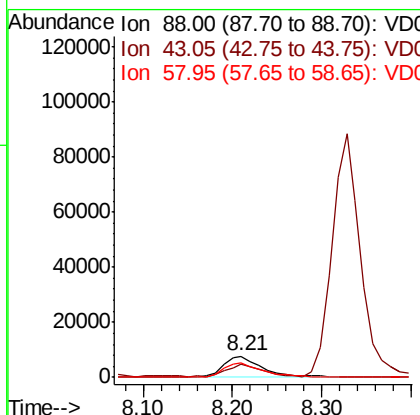
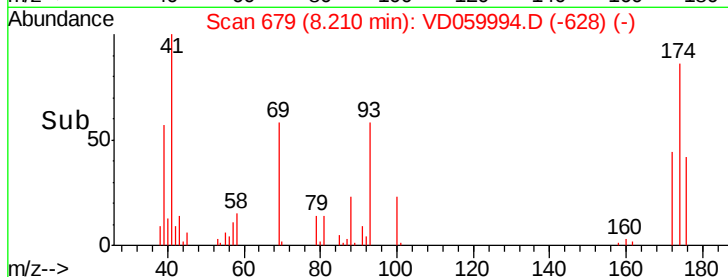
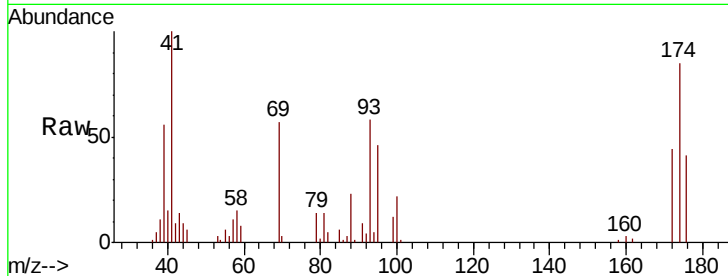
#49
1,4-Dioxane
Concen: 226.63 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 23061
Ion Ratio Lower Upper
88 100
43 60.2 36.2 54.2#
58 67.3 51.0 76.6

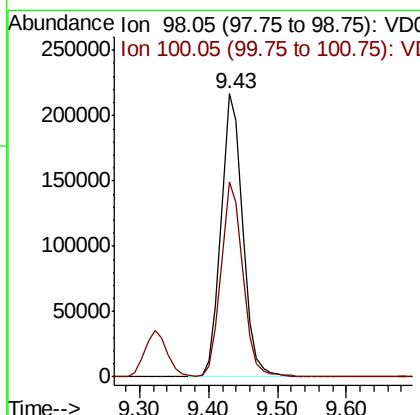
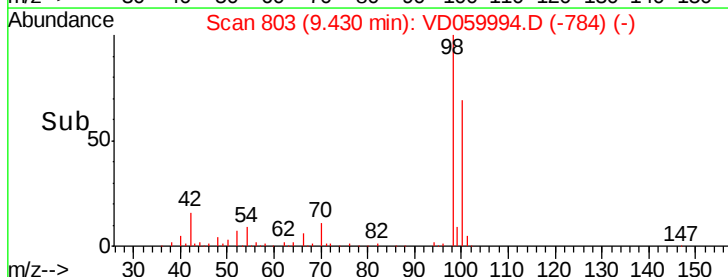
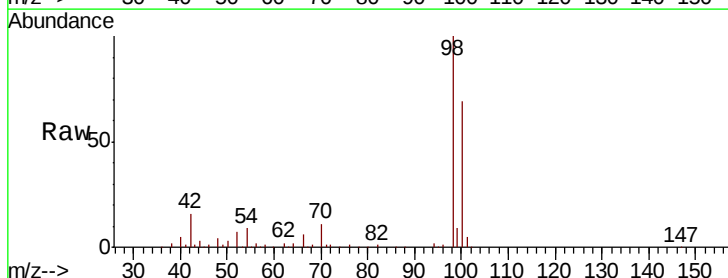
Manual Integrations
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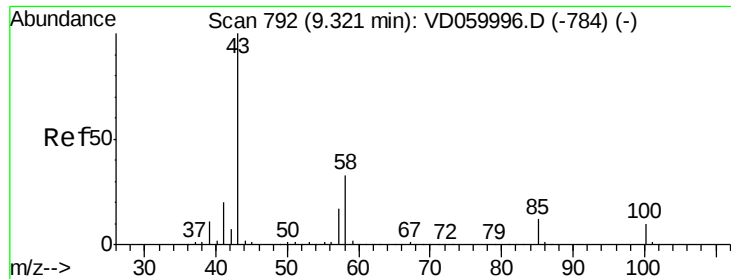
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#50
Toluene-d8
Concen: 226.63 ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 98 Resp: 473624
Ion Ratio Lower Upper
98 100
100 69.1 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 60.67 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 834726

Ion Ratio Lower Upper

43 100

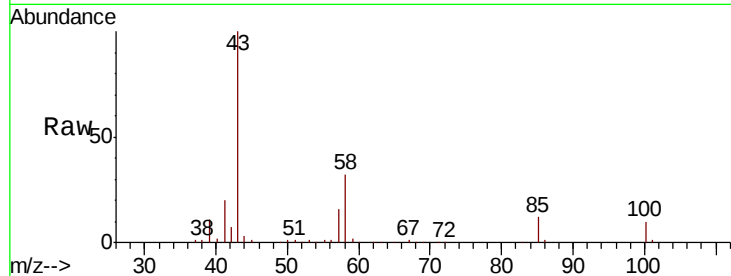
58 32.2 26.4 39.6

Manual Integrations

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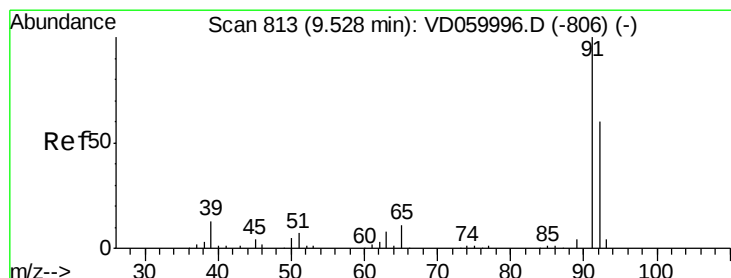
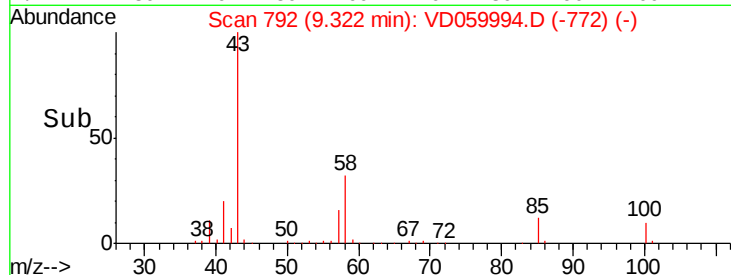
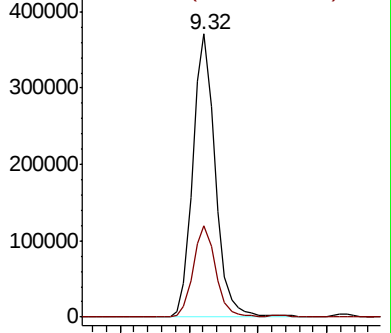
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 11.15 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059994.D

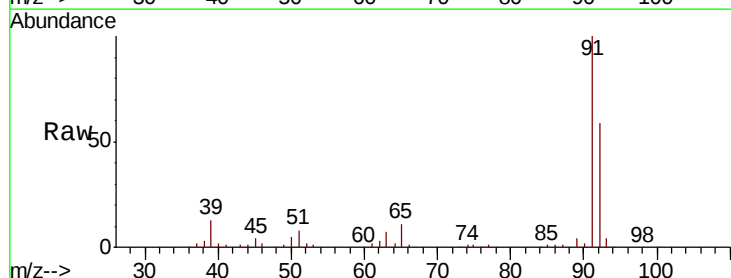
Acq: 13 Sep 2018 12:45

Tgt Ion: 92 Resp: 361893

Ion Ratio Lower Upper

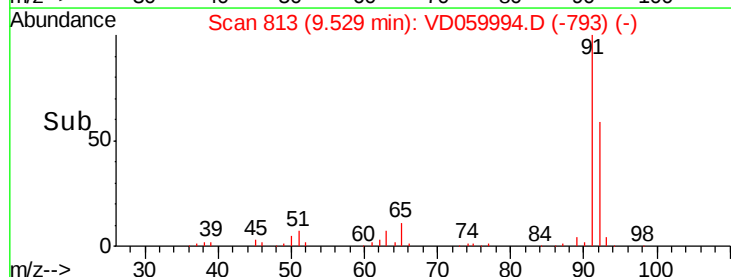
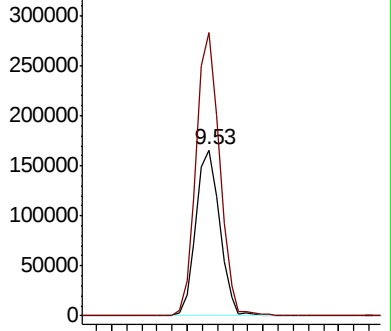
92 100

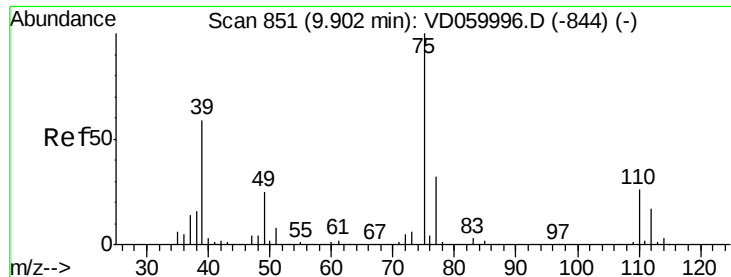
91 170.4 132.3 198.5



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: 10.47 ug/l

RT: 9.90 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Tot Ion: 75 Resp: 195478

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

Instrument :

MSVOA_D

ClientSampleId :

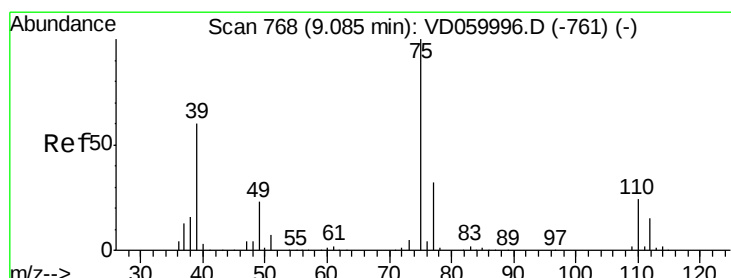
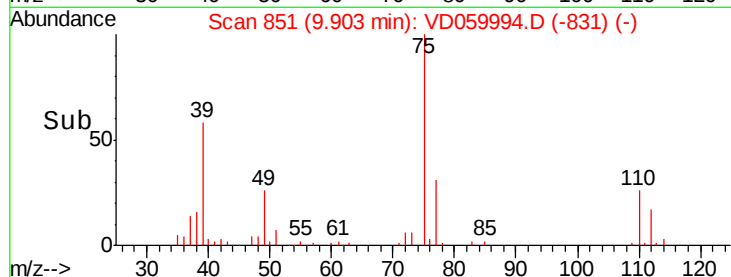
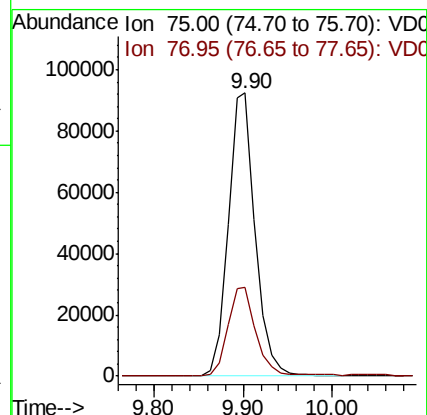
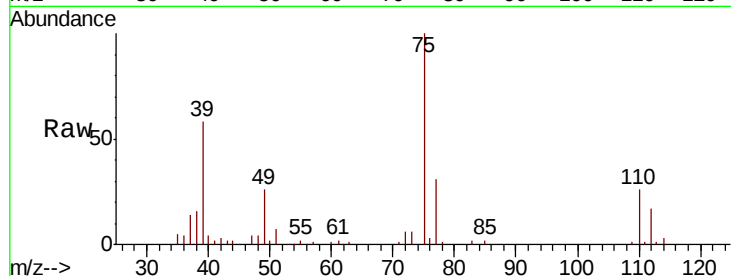
VSTDIC010

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#54

cis-1,3-Dichloropropene

Concen: 10.66 ug/l

RT: 9.08 min Scan# 767

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

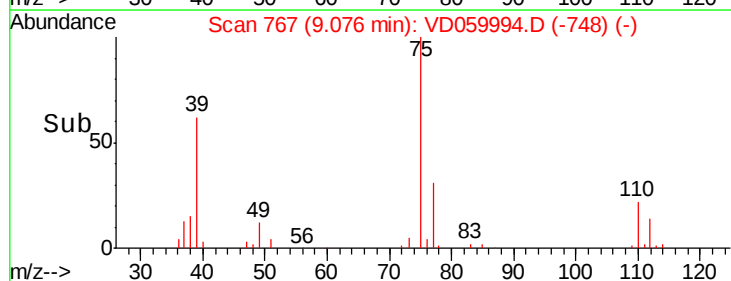
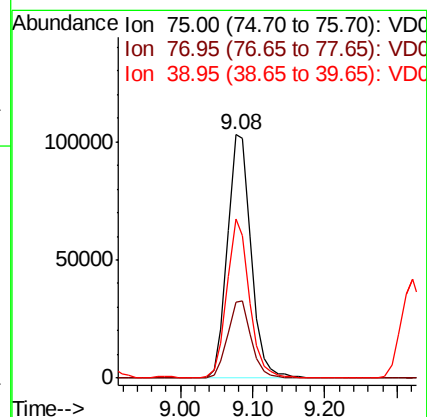
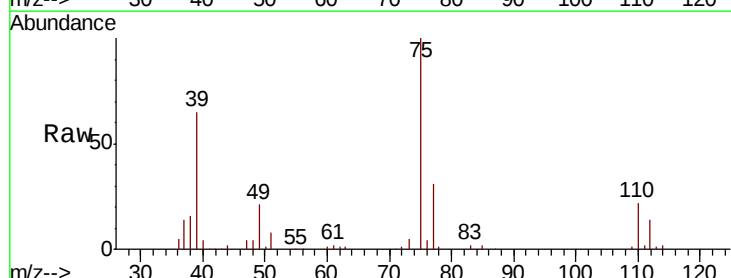
Tgt Ion: 75 Resp: 233592

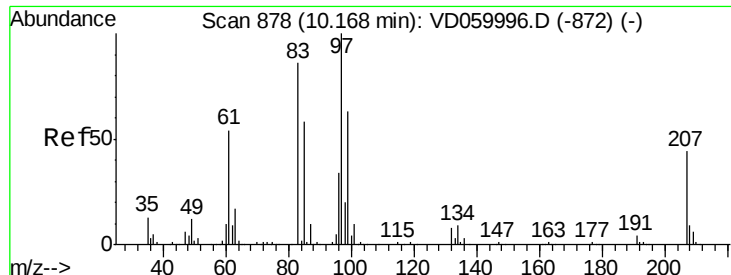
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 65.4 48.0 72.0





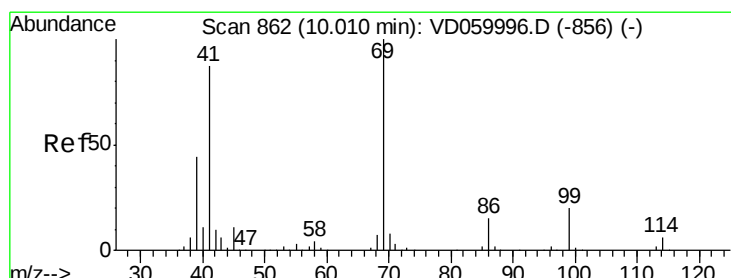
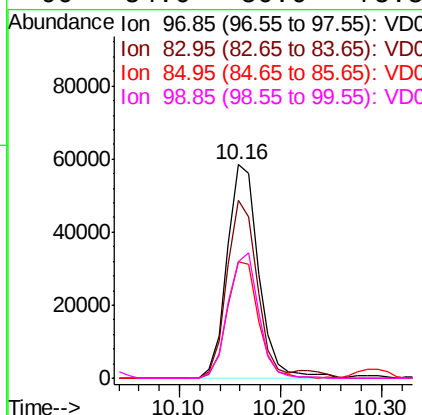
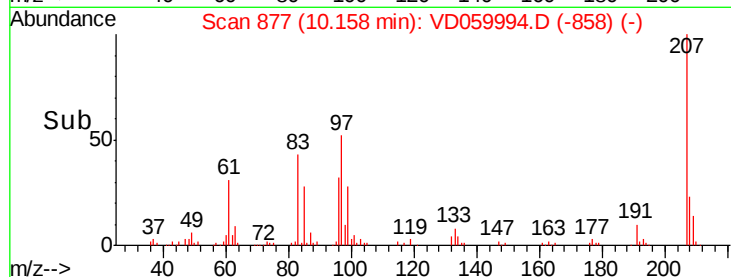
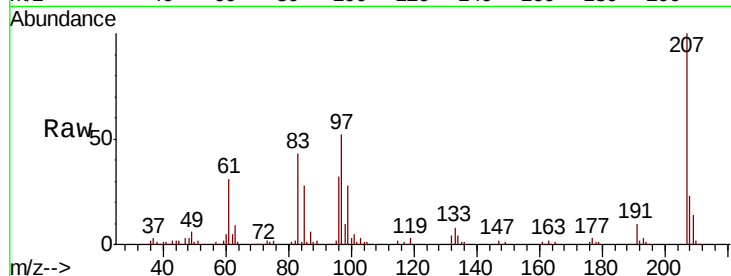
#55
 1,1,2-Trichloroethane
 Concen: 10.88 ug/l
 RT: 10.16 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	97	Resp	127279
Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.1	103.7
85	54.3	46.2	69.4
99	54.6	50.6	75.8

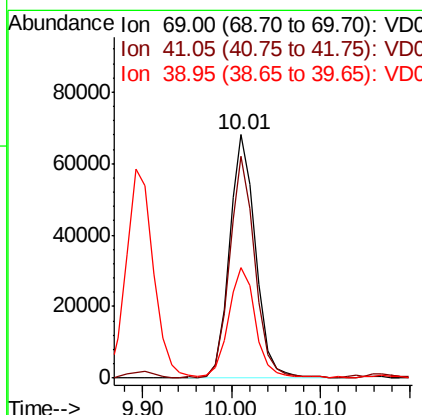
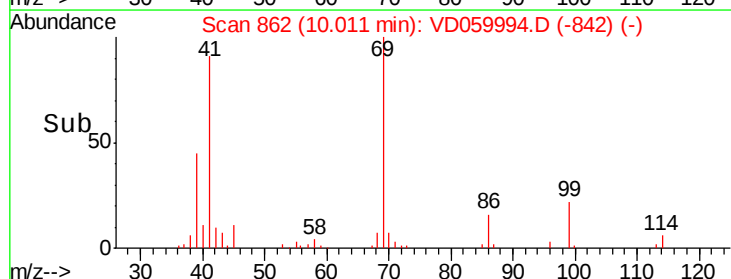
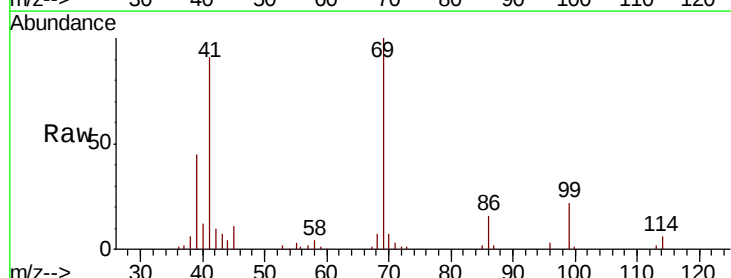
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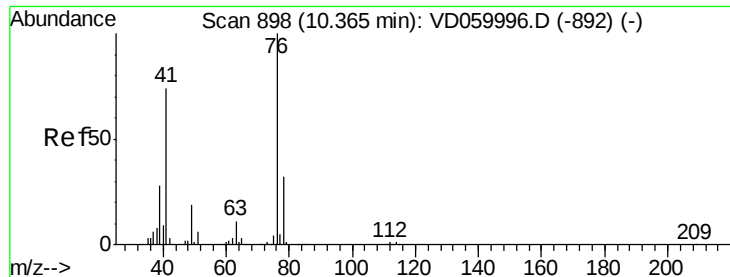
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#56
 Ethyl methacrylate
 Concen: 10.41 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion	69	Resp	139449
Ion	Ratio	Lower	Upper
69	100		
41	91.2	70.1	105.1
39	45.2	36.5	54.7





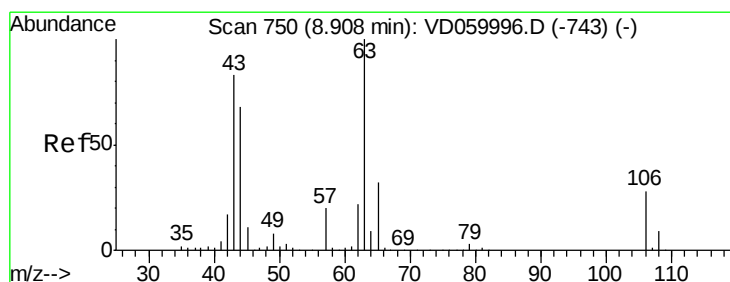
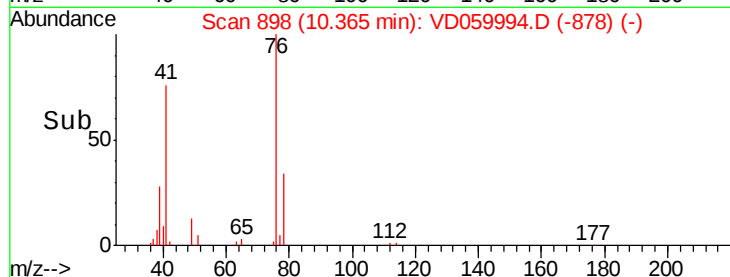
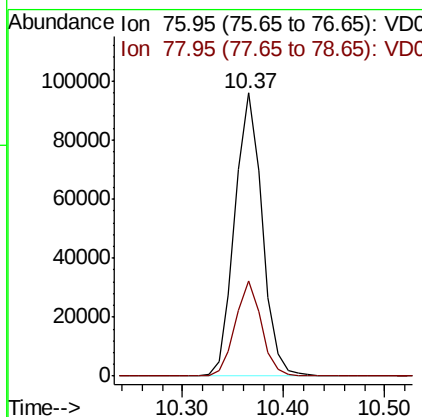
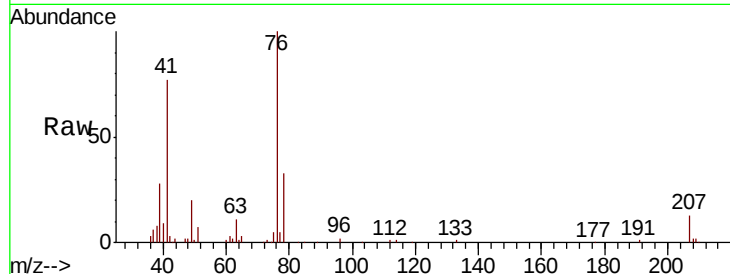
#57
 1,3-Dichloropropane
 Concen: 10.69 ug/l
 RT: 10.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion: 76 Resp: 181321
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.3 37.9

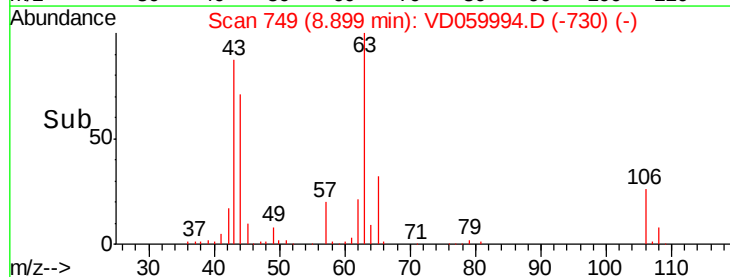
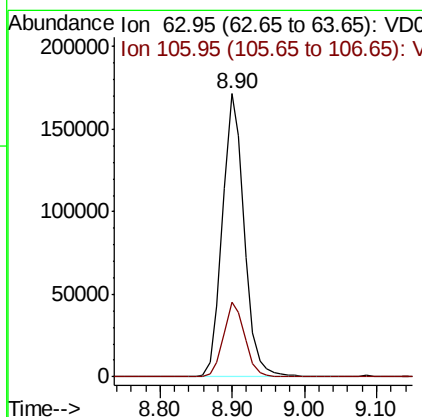
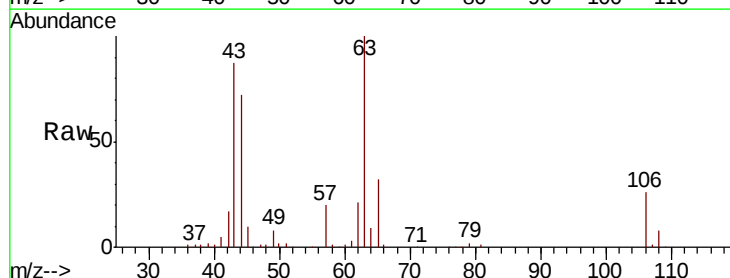
Manual Integrations
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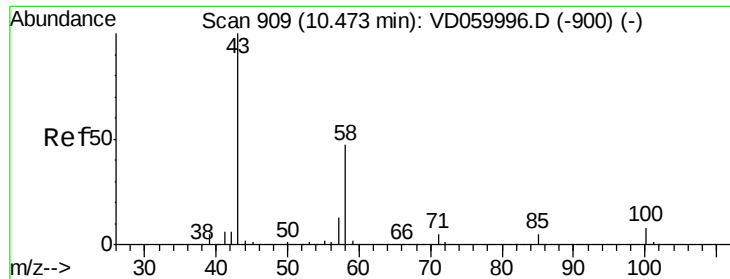
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 55.89 ug/l
 RT: 8.90 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion: 63 Resp: 358834
 Ion Ratio Lower Upper
 63 100
 106 26.4 22.0 33.0





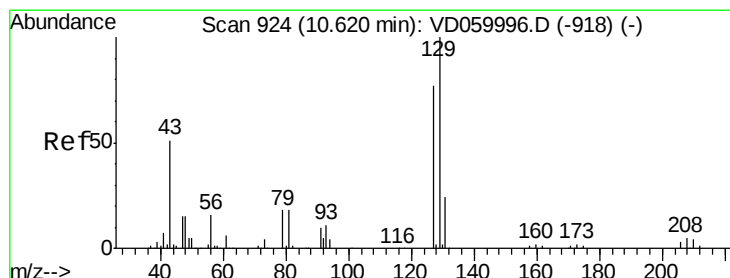
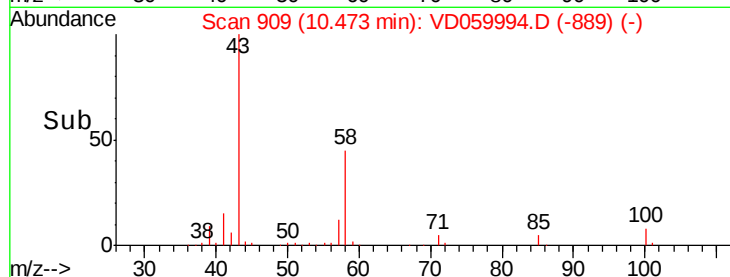
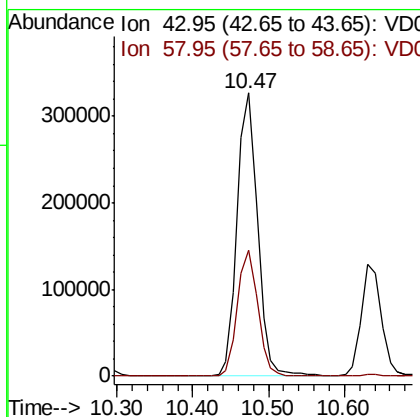
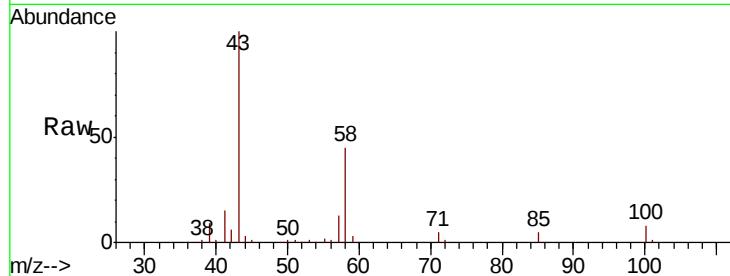
#59
2-Hexanone
Concen: 60.11 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 609867
Ion Ratio Lower Upper
43 100
58 44.7 23.4 70.0

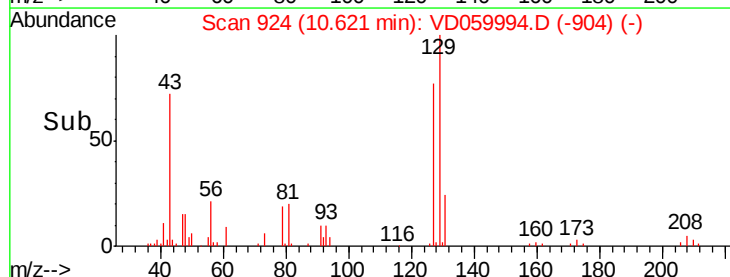
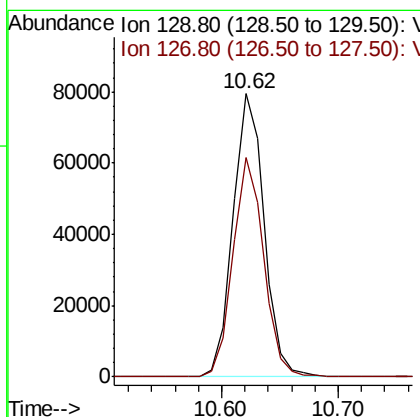
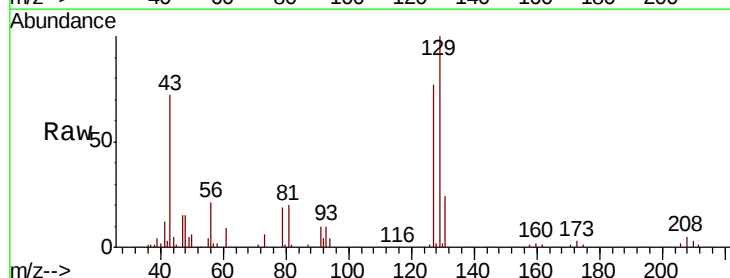
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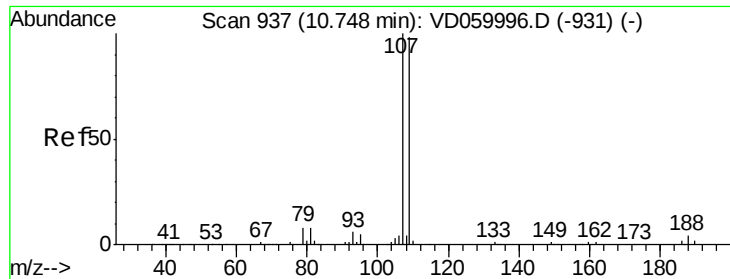
apatel
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#60
Dibromochloromethane
Concen: 9.98 ug/l
RT: 10.62 min Scan# 924
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion:129 Resp: 146491
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





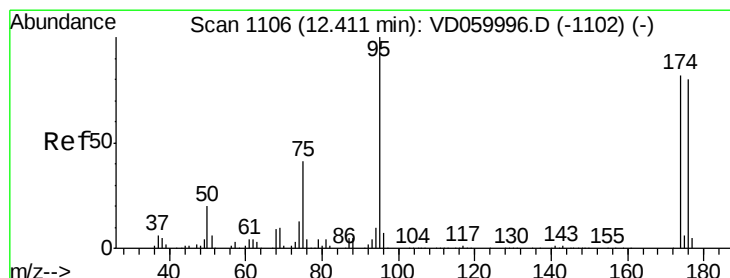
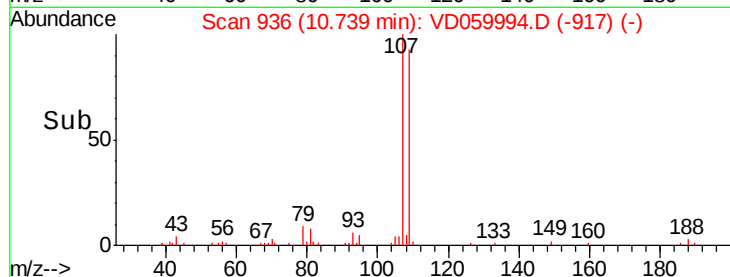
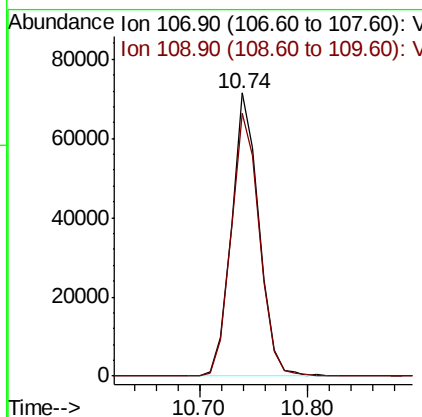
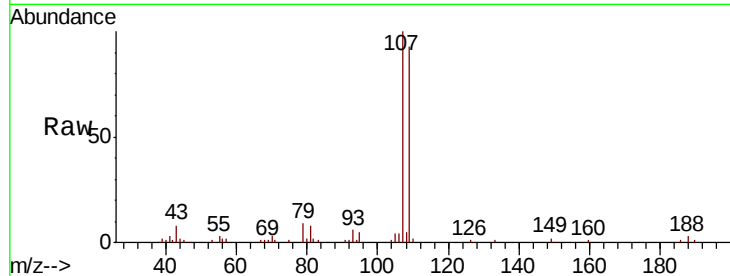
#61
 1,2-Dibromoethane
 Concen: 10.61 ug/l
 RT: 10.74 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:107 Resp: 125478
 Ion Ratio Lower Upper
 107 100
 109 93.1 78.2 117.2

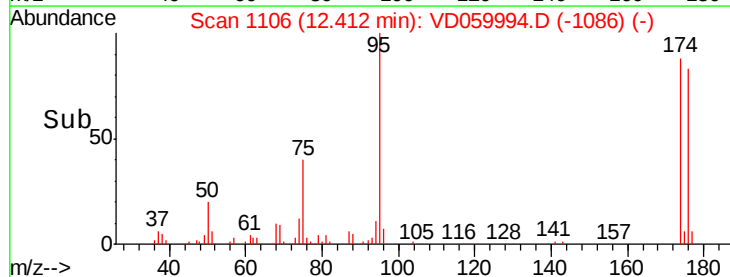
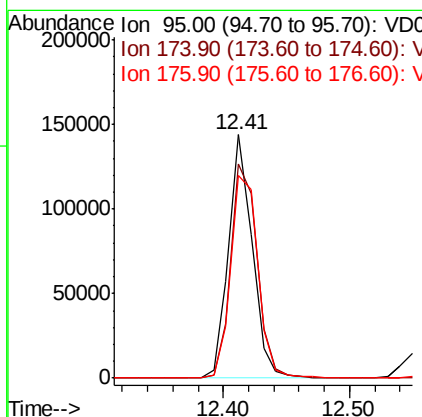
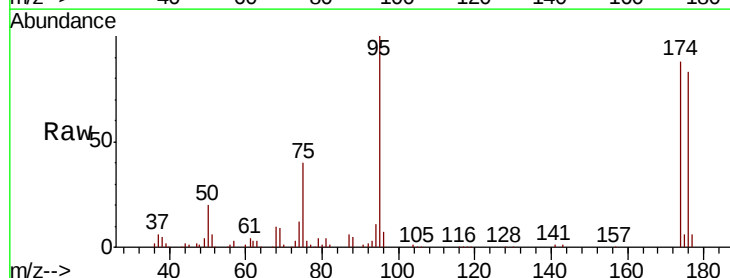
Manual Integrations
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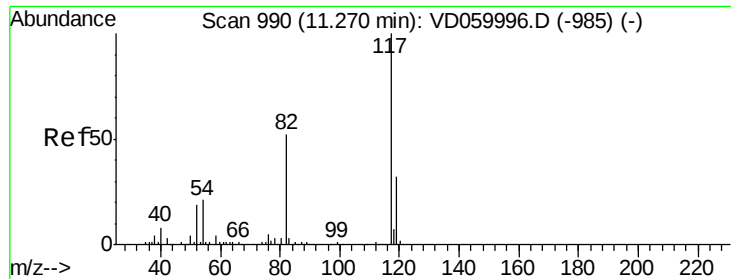
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#62
 4-Bromofluorobenzene
 Concen: 10.61 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion: 95 Resp: 187024
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 165.0
 176 83.2 0.0 160.2





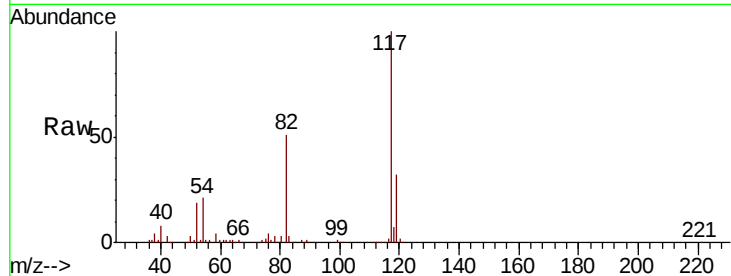
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.7	62.5
119	32.4	26.0	39.0

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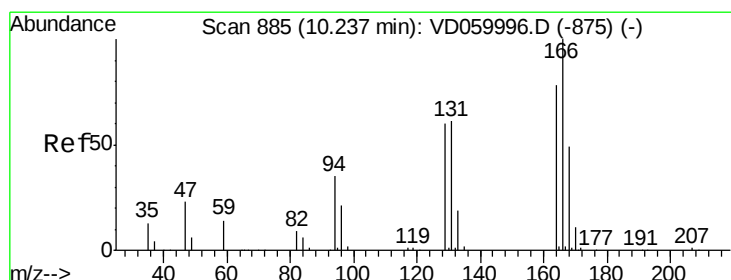
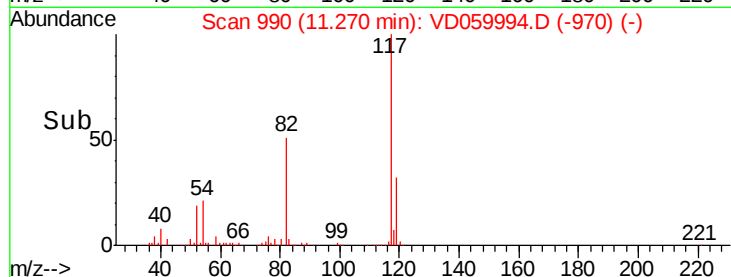
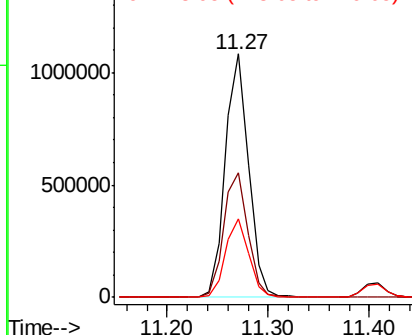


Abundance

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: 11.75 ug/l
RT: 10.24 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	103.0	154.6
129	74.0	61.9	92.9
131	73.8	62.6	93.8

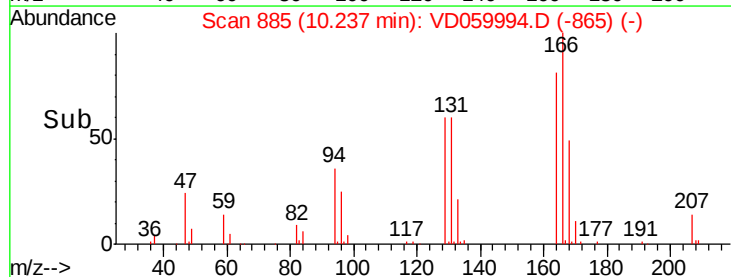
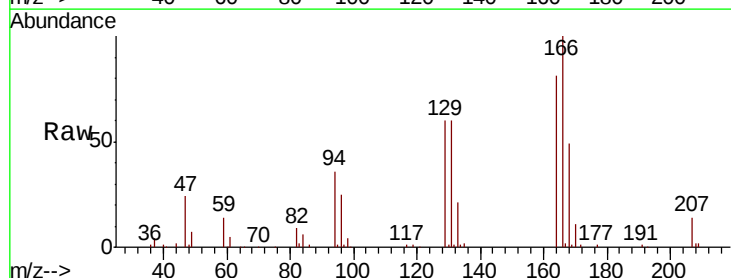
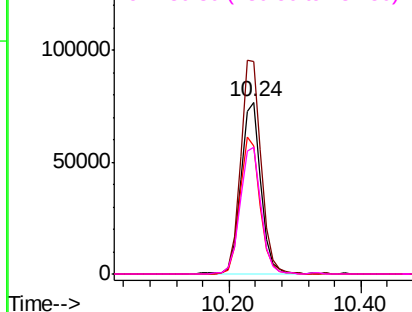
Abundance

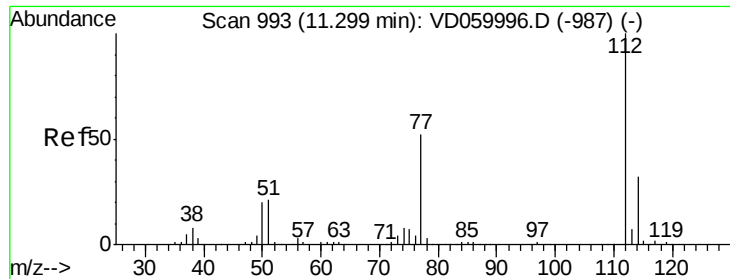
Ion 163.85 (163.55 to 164.55): V

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: 11.37 ug/l

RT: 11.30 min Scan# 993

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 403637

Ion Ratio Lower Upper

112 100

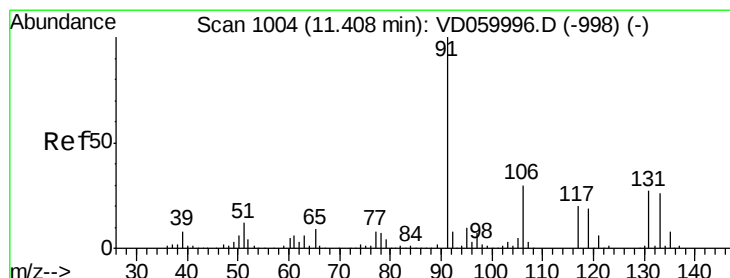
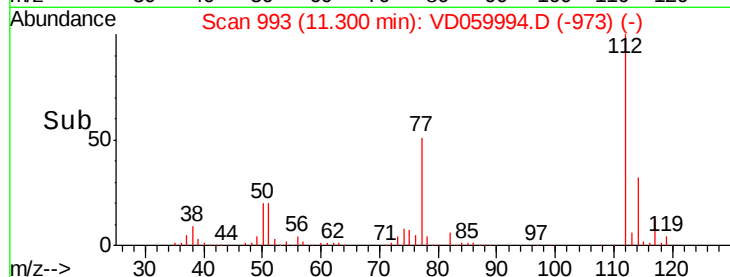
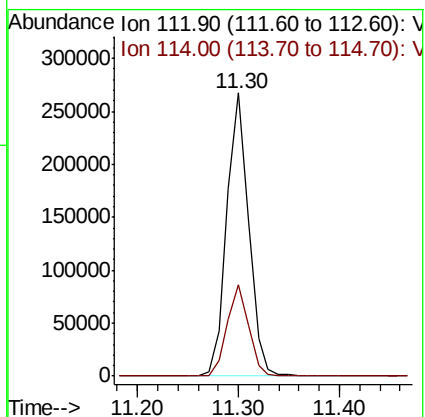
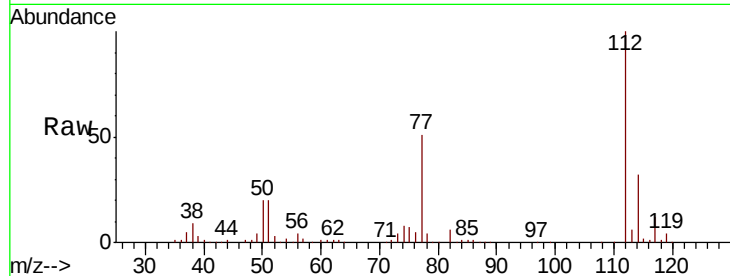
114 32.3 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 10.96 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

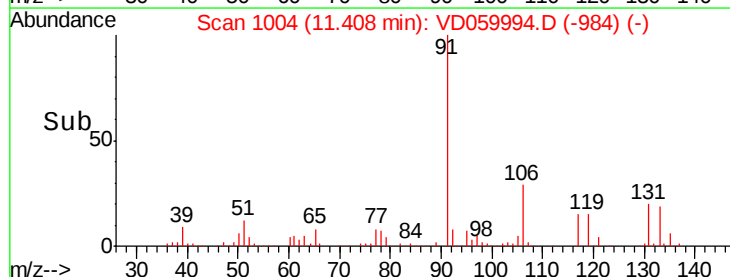
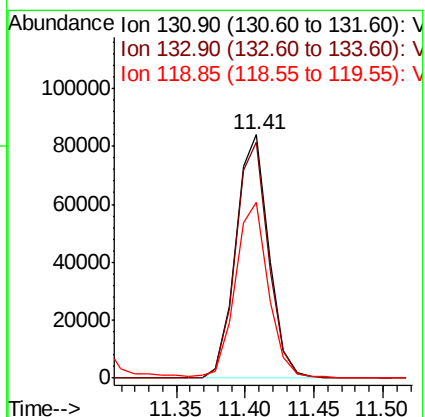
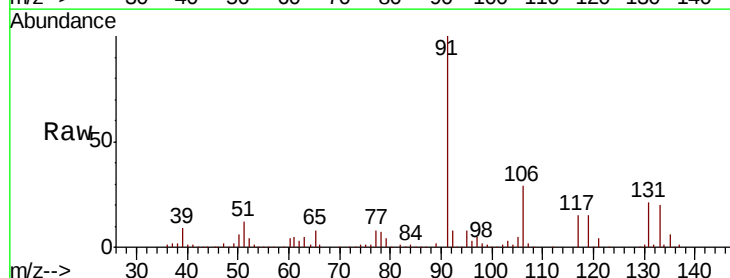
Tgt Ion:131 Resp: 140232

Ion Ratio Lower Upper

131 100

133 97.2 47.4 142.3

119 72.0 35.6 106.9





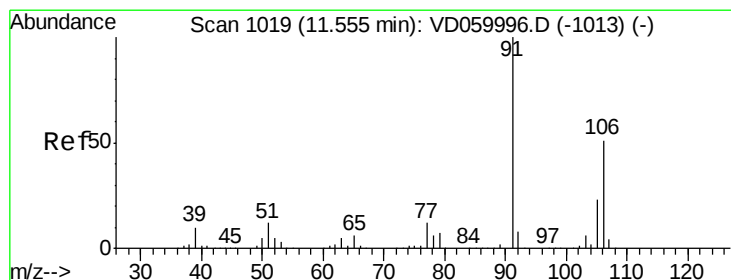
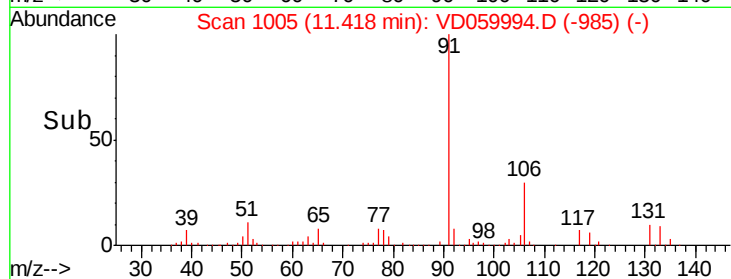
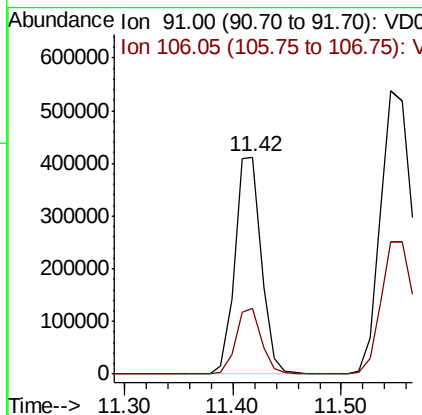
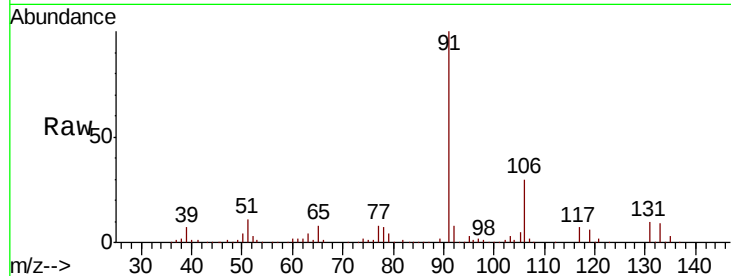
#67
Ethyl Benzene
Concen: 11.81 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 700577
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2

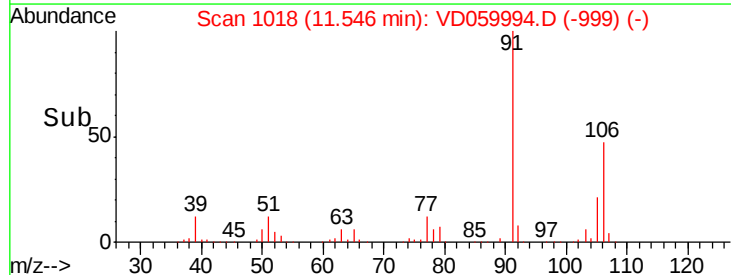
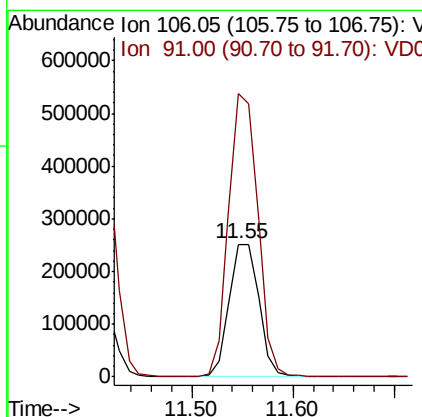
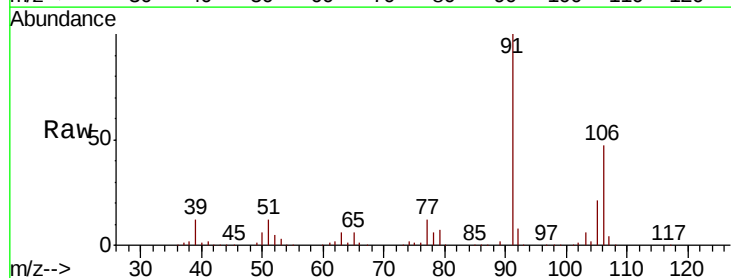
Manual Integrations
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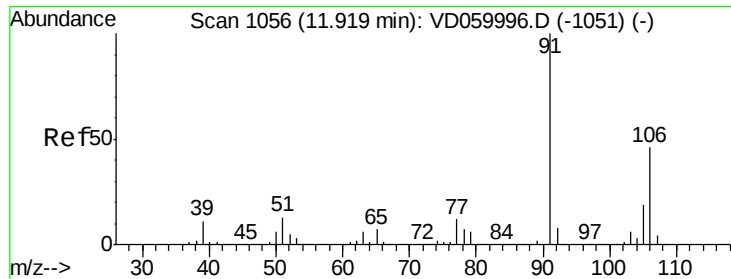
apatel
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#68
m/p-Xylenes
Concen: 23.74 ug/l
RT: 11.55 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 106 Resp: 517701
Ion Ratio Lower Upper
106 100
91 213.1 157.0 235.6





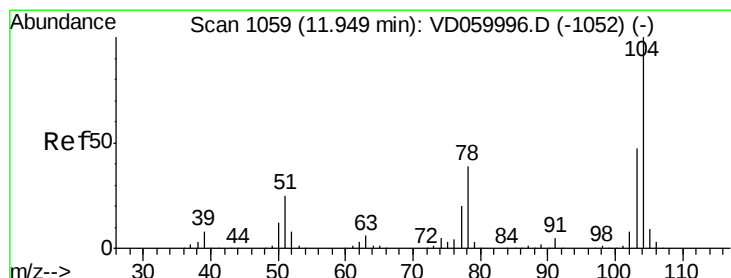
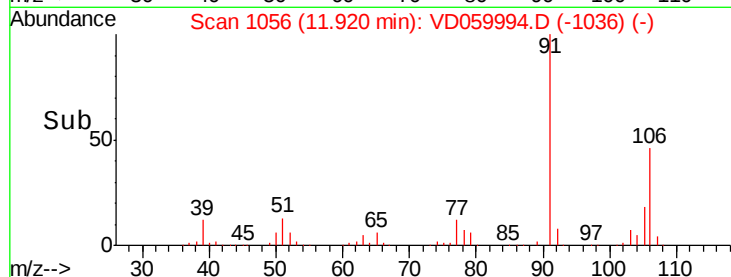
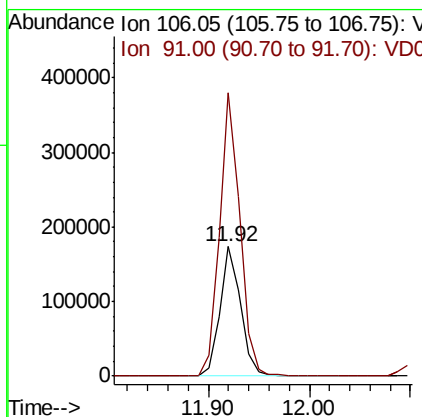
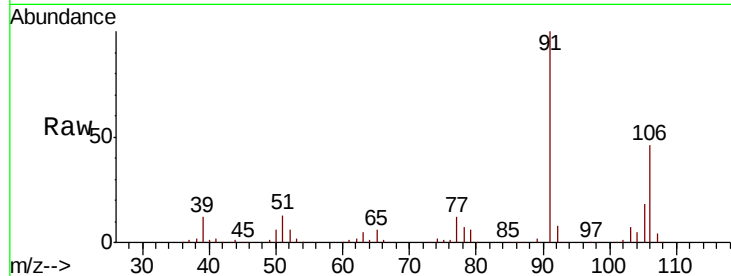
#69
o-Xylene
Concen: 11.63 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion:106 Resp: 247387
Ion Ratio Lower Upper
106 100
91 218.6 107.7 323.1

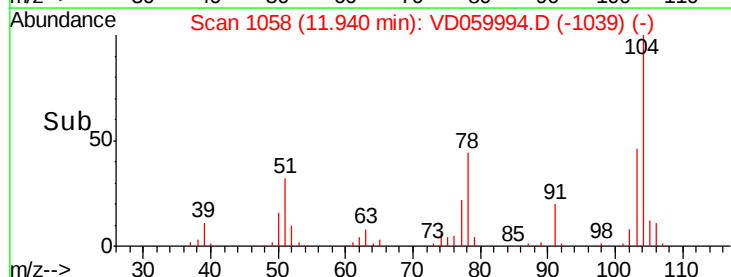
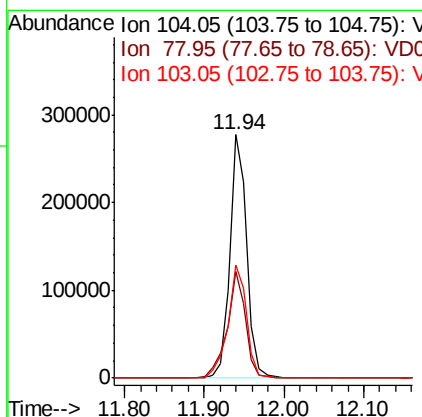
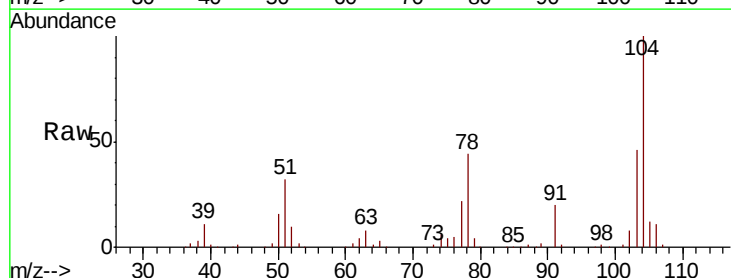
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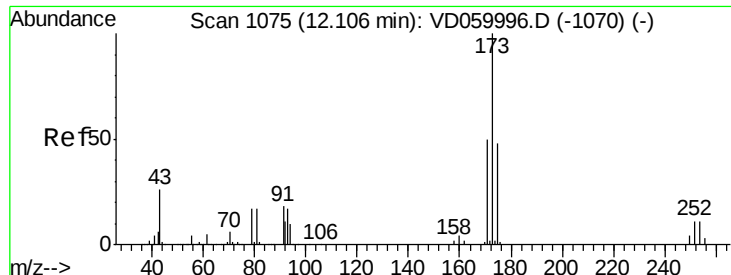
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#70
Styrene
Concen: 11.29 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion:104 Resp: 413028
Ion Ratio Lower Upper
104 100
78 43.7 31.0 46.4
103 46.2 37.6 56.4





#71

Bromoform

Concen: 9.74 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 107674

Ion Ratio Lower Upper

173 100

175 48.4 24.0 72.0

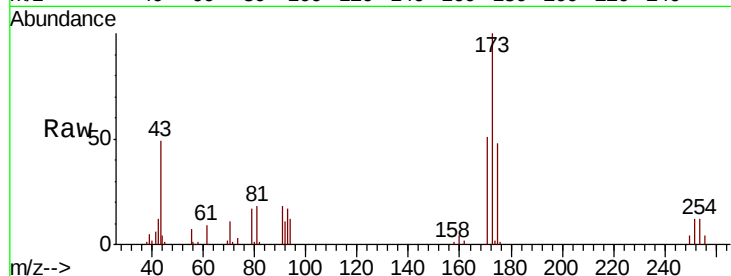
254 11.9 8.6 13.0

Manual Integrations

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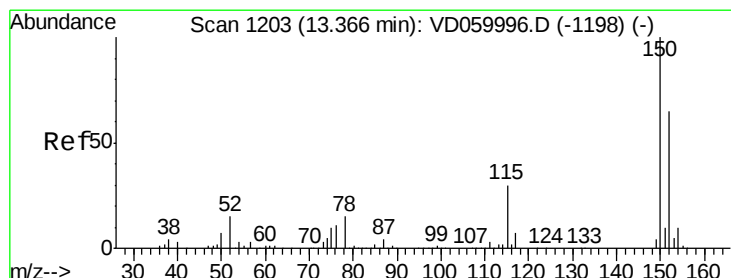
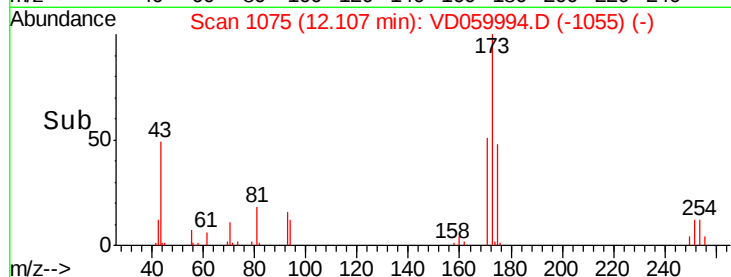
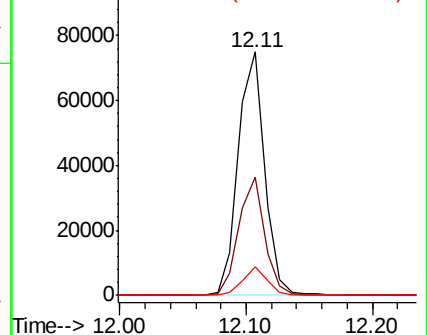
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

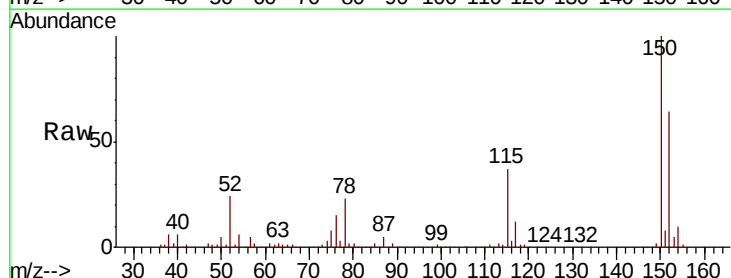
Tgt Ion:152 Resp: 927368

Ion Ratio Lower Upper

152 100

115 57.7 24.6 73.8

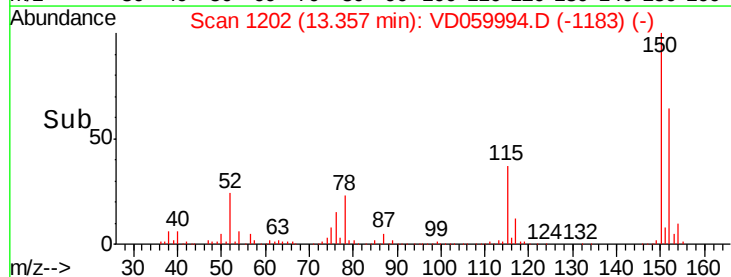
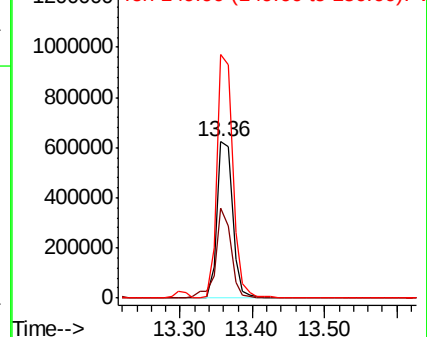
150 155.8 0.0 313.4

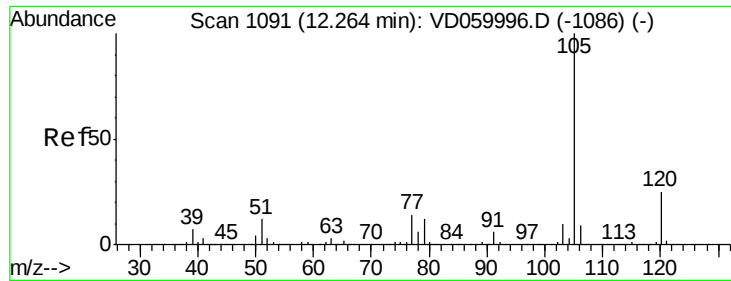


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





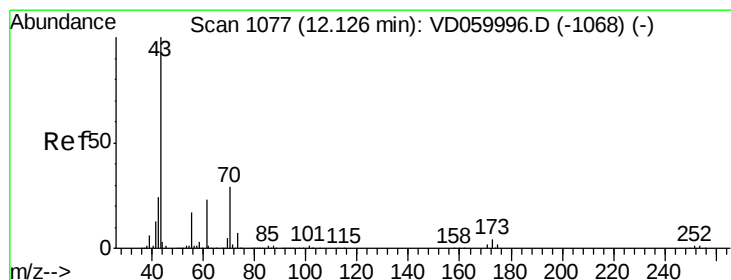
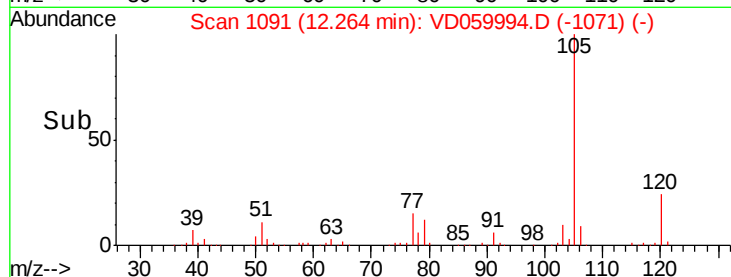
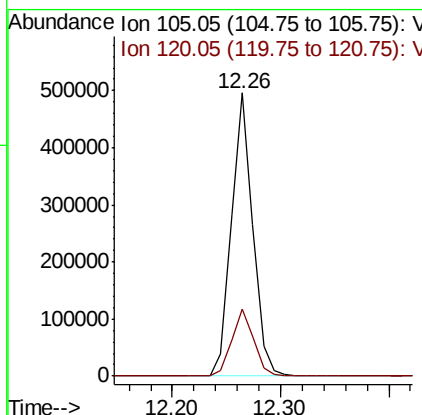
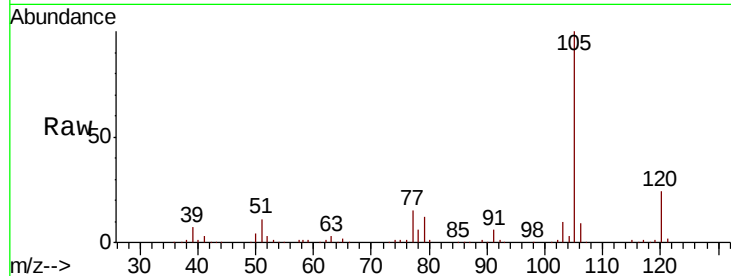
#73
Isopropylbenzene
Concen: 11.30 ug/l
RT: 12.26 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion: 105 Resp: 681362
Ion Ratio Lower Upper
105 100
120 23.8 12.3 36.9

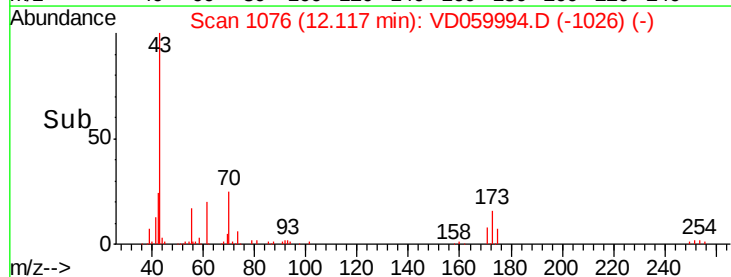
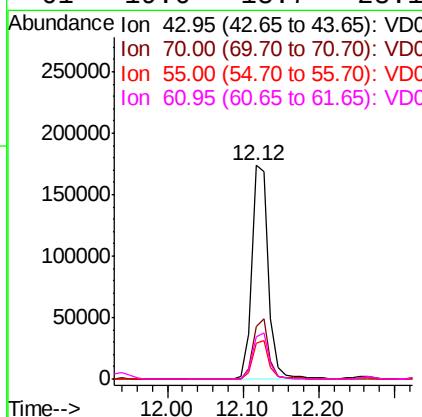
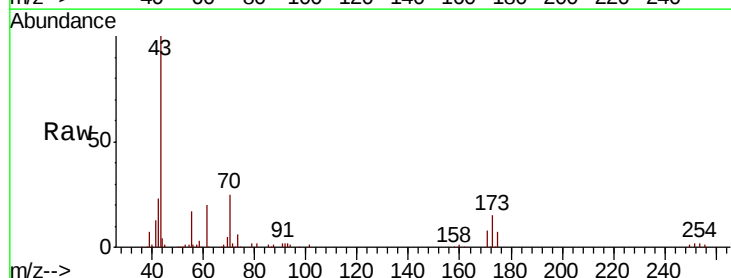
Manual Integrations
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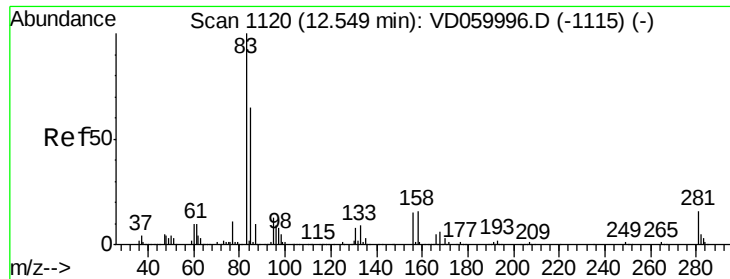
apatel
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#74
N-ethyl acetate
Concen: 10.36 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion: 43 Resp: 266910
Ion Ratio Lower Upper
43 100
70 24.8 22.9 34.3
55 17.0 14.0 21.0
61 19.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 10.82 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

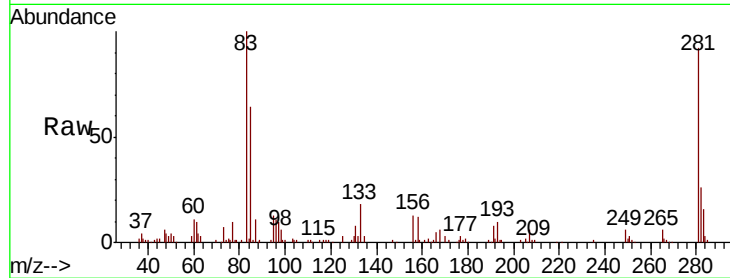
ClientSampleID :

VSTDIC010

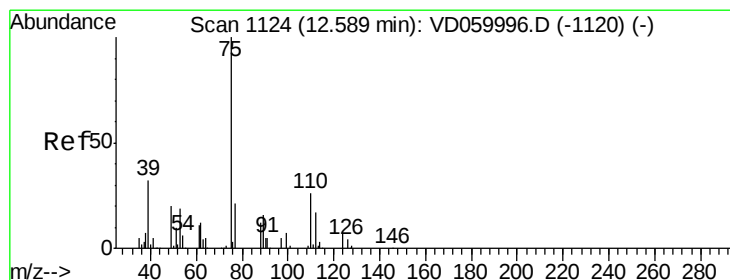
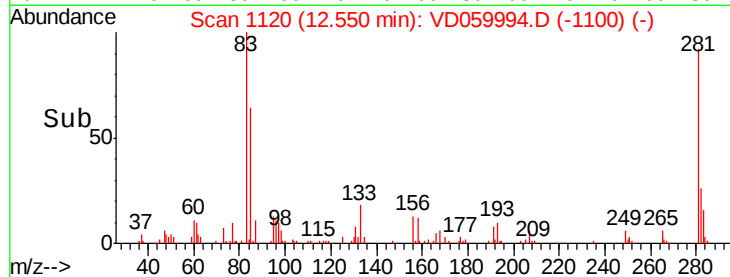
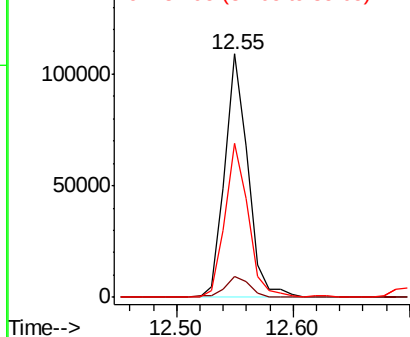
Tot Ion:	83	Resp:	150029
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.1	12.3
85	63.5	32.4	97.2

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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



#76

1,2,3-Trichloropropane

Concen: 10.23 ug/l

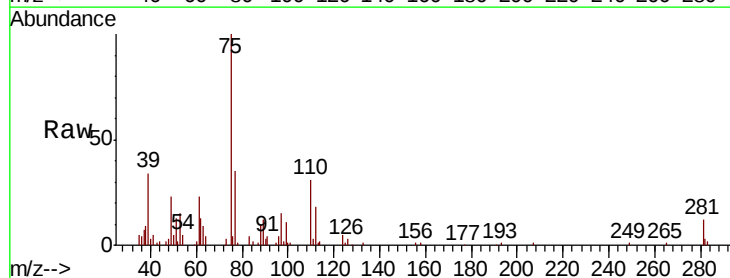
RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

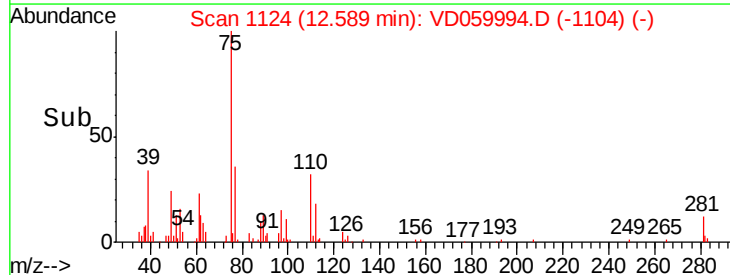
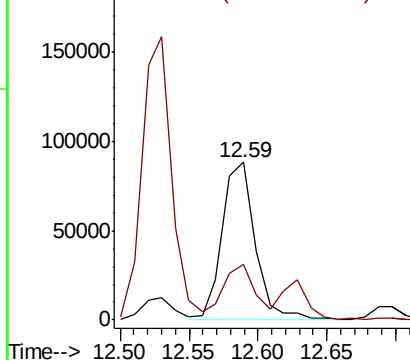
Lab File: VD059994.D

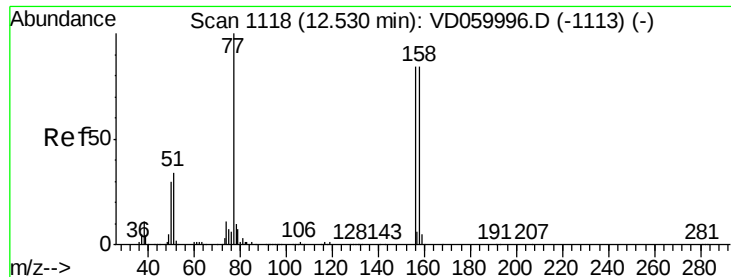
Acq: 13 Sep 2018 12:45

Tgt Ion:	75	Resp:	147676
Ion Ratio	Lower	Upper	
75	100		
77	35.2	16.4	49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





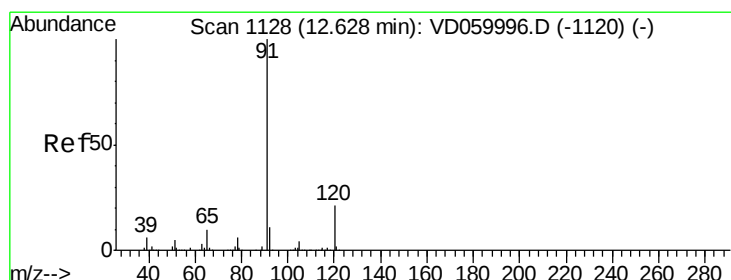
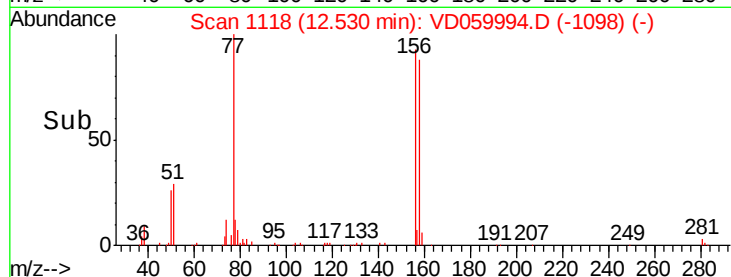
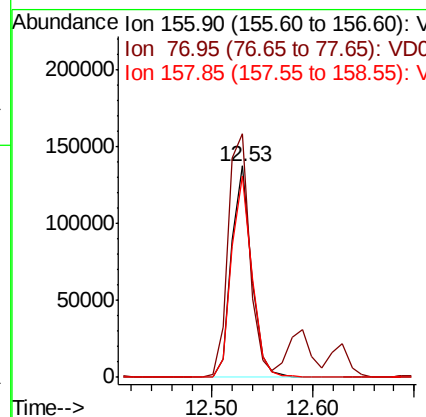
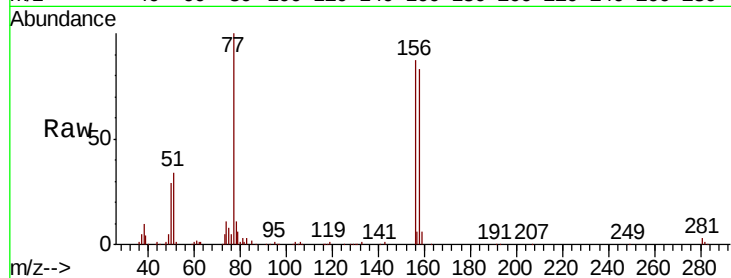
#77
Bromobenzene
Concen: 11.35 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	115.2	59.5	178.4
158	95.1	50.0	149.8

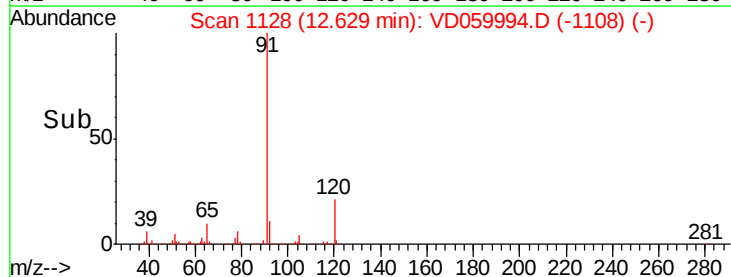
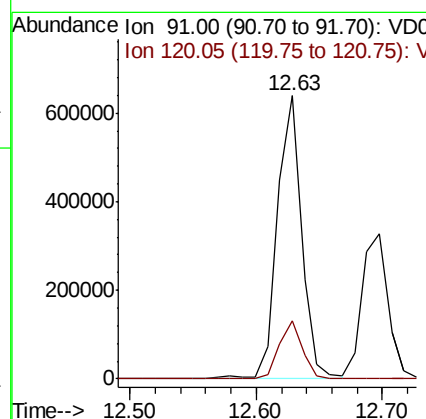
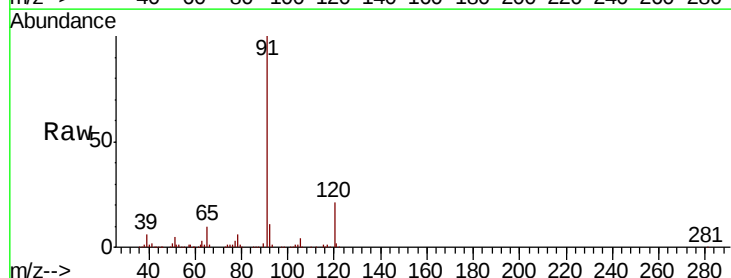
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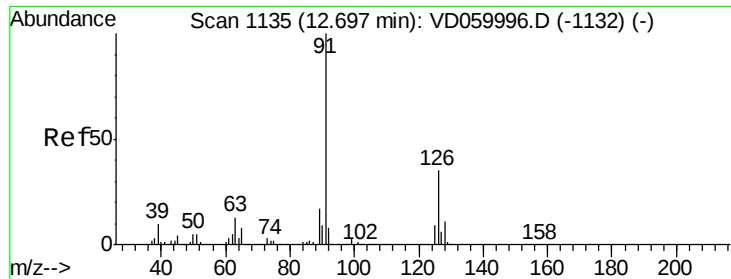
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#78
n-propylbenzene
Concen: 11.23 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.7	31.9





#79

2-Chlorotoluene

Concen: 11.00 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VD059994.D

Acq: 13 Sep 2018 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 472376

Ion Ratio Lower Upper

91 100

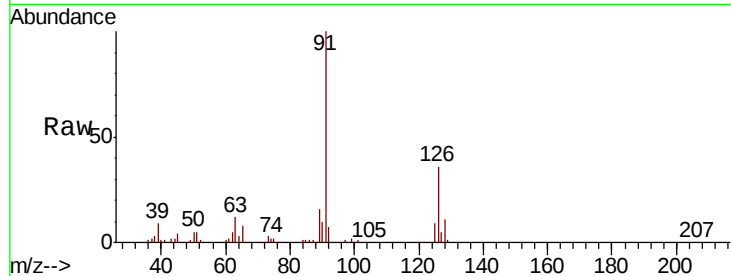
126 36.0 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): VD059994.D (-1132) (-)

Ion 125.95 (125.65 to 126.65): VD059994.D (-1132) (-)

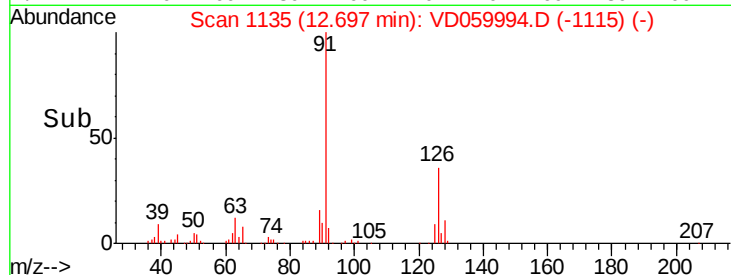
600000

400000

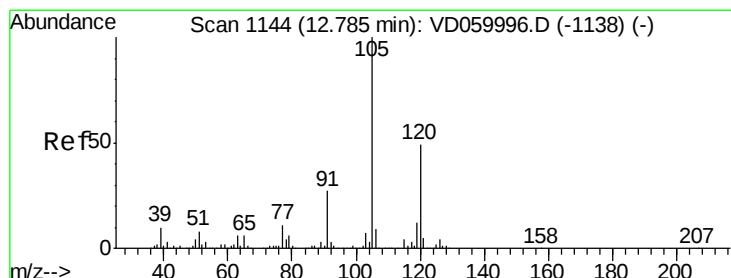
200000

0

12.65 12.70 12.75



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.86 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD059994.D

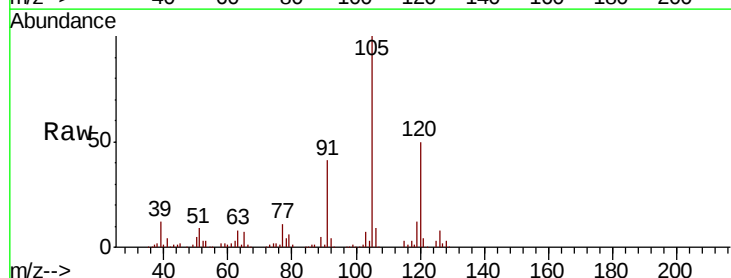
Acq: 13 Sep 2018 12:45

Tgt Ion: 105 Resp: 518332

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD059994.D (-1138) (-)

Ion 120.05 (119.75 to 120.75): VD059994.D (-1138) (-)

400000

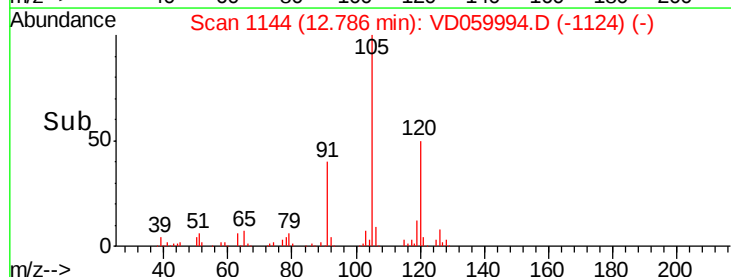
300000

200000

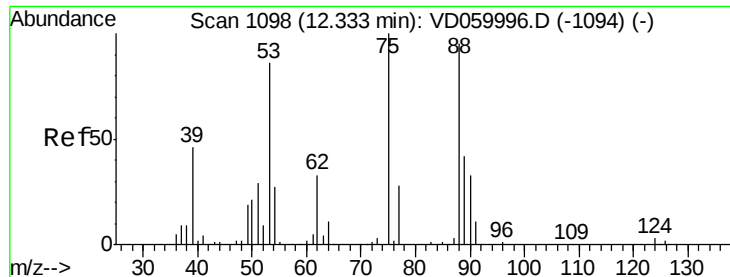
100000

0

12.70 12.80 12.90



Time-->



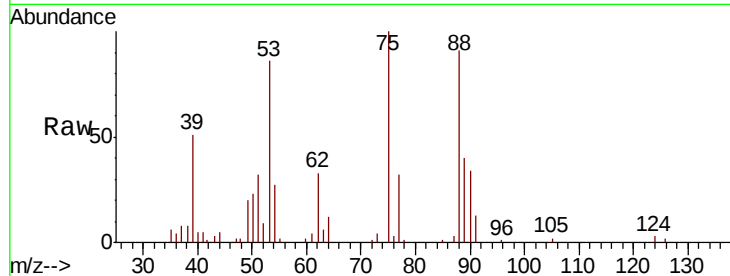
#81
trans-1,4-Dichloro-2-butene
Concen: 9.90 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

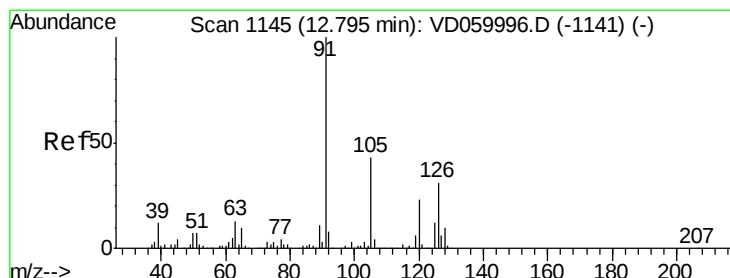
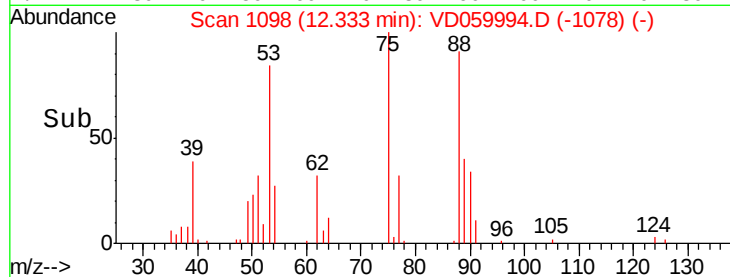
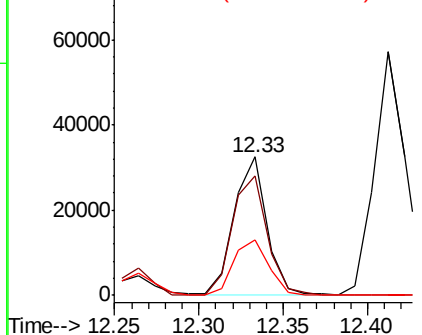
Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	68.4	102.6
89	39.8	33.8	50.6

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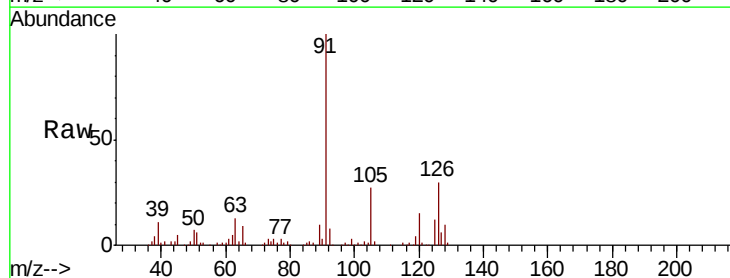


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

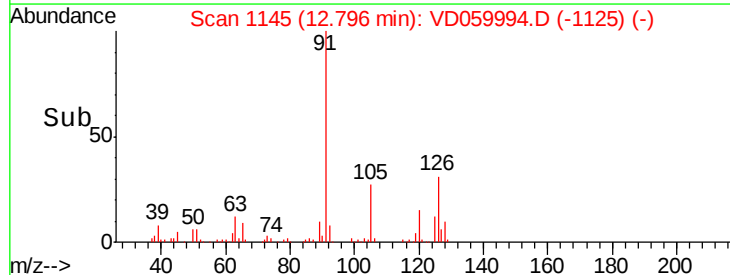
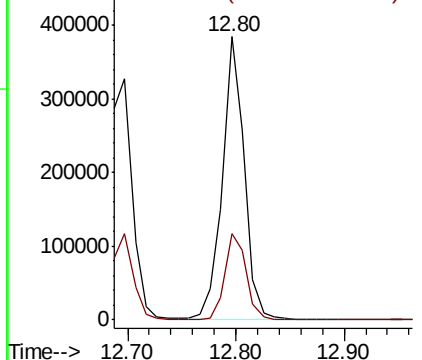


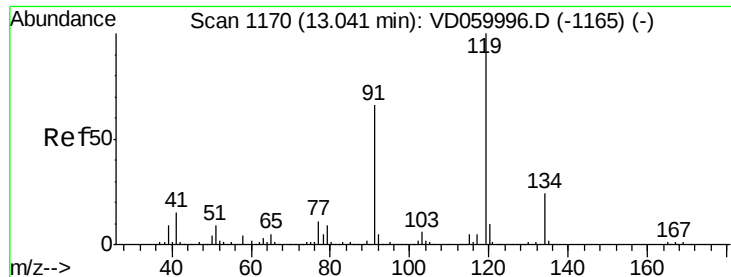
#82
4-Chlorotoluene
Concen: 11.07 ug/l
RT: 12.80 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





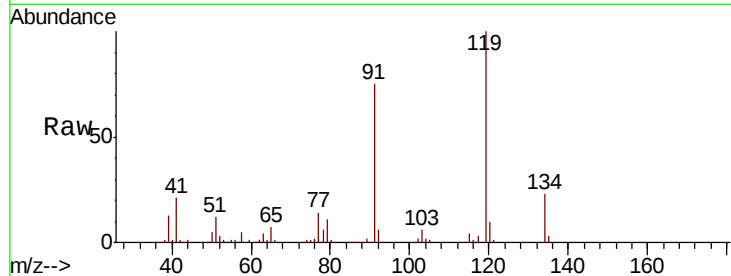
#83
tert-Butylbenzene
Concen: 10.84 ug/l
RT: 13.03 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

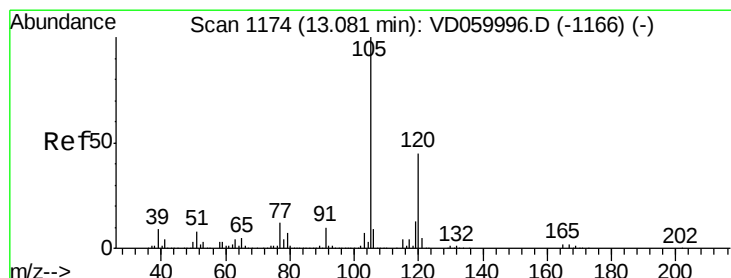
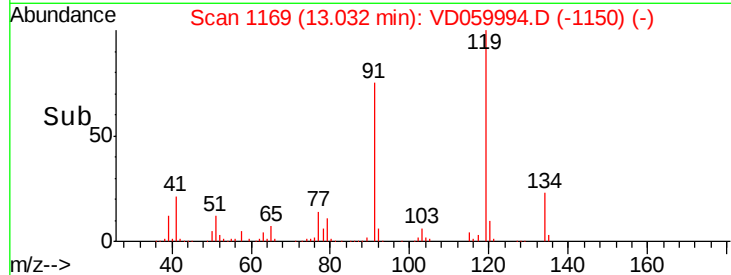
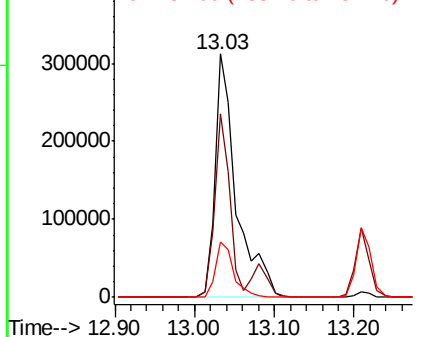
Tot Ion	Ratio	Resp	Lower	Upper
119	100	587826		
91	75.3	32.9	98.6	
134	22.7	12.0	36.0	

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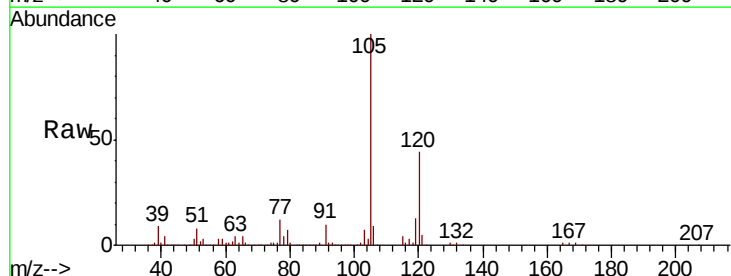


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

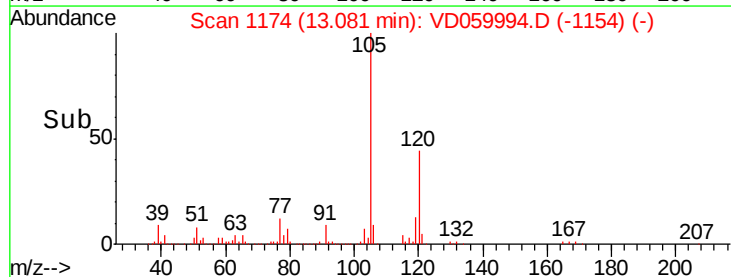
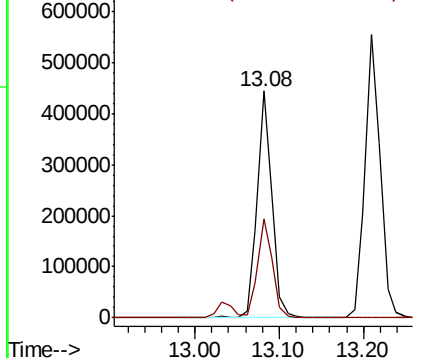


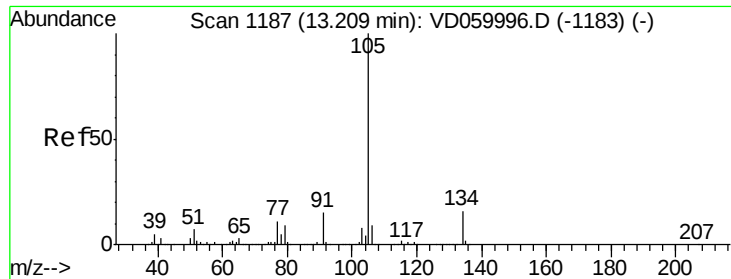
#84
1,2,4-Trimethylbenzene
Concen: 11.15 ug/l
RT: 13.08 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	552678		
120	43.8	22.4	67.0	



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





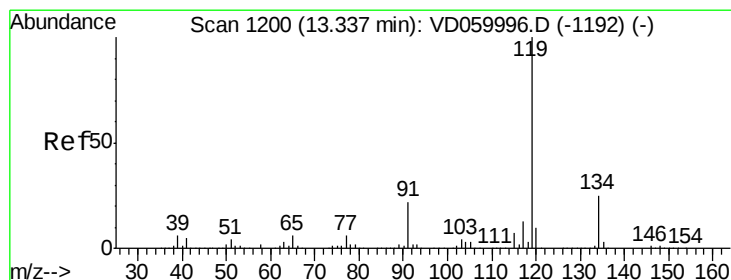
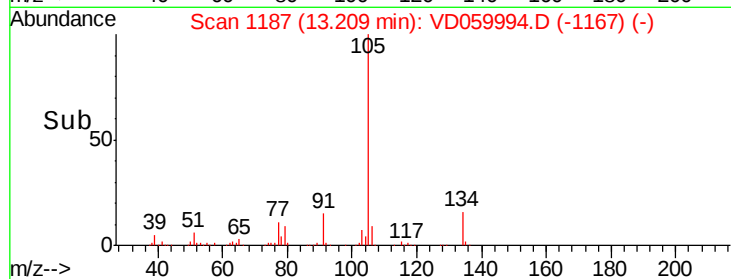
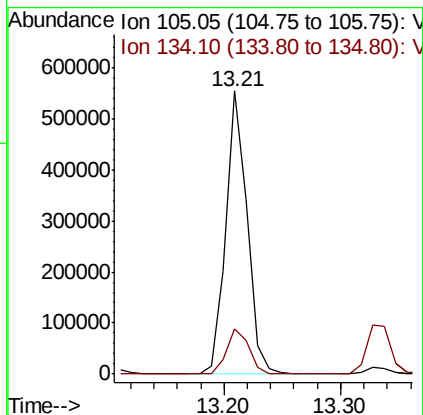
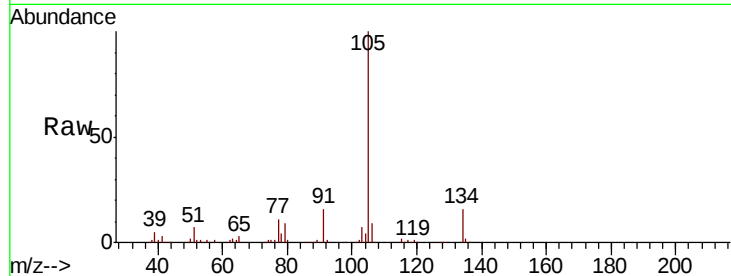
#85
 sec-Butylbenzene
 Concen: 10.99 ug/l
 RT: 13.21 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	699158		
134	16.1	8.2	24.6	

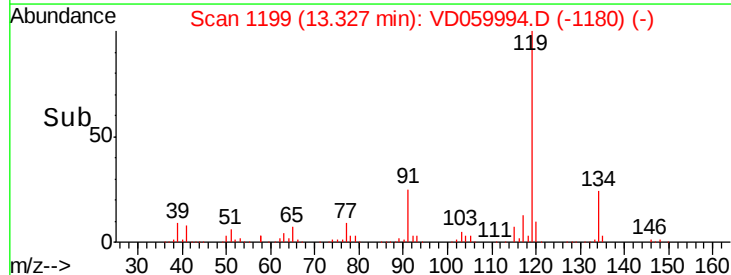
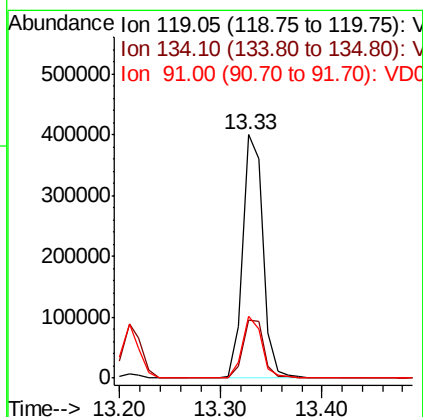
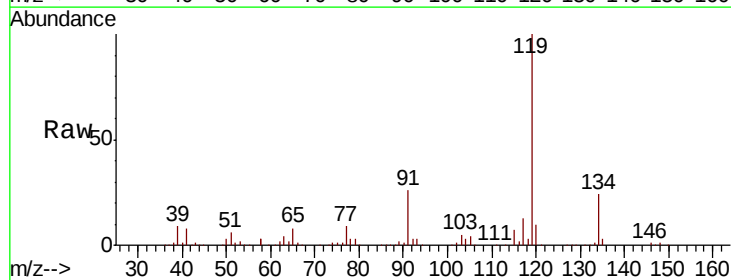
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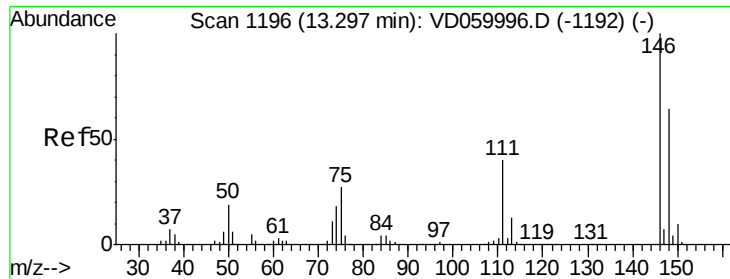
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#86
 p-Isopropyltoluene
 Concen: 10.74 ug/l
 RT: 13.33 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	560712		
134	24.1	12.8	38.3	
91	25.5	11.1	33.3	





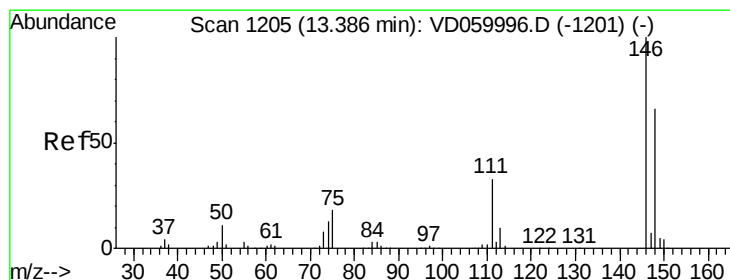
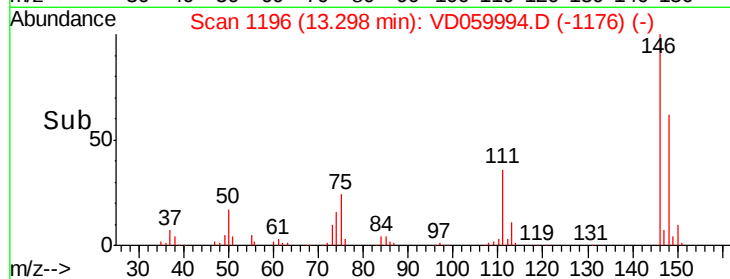
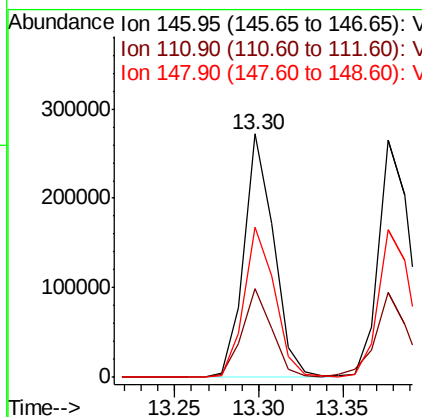
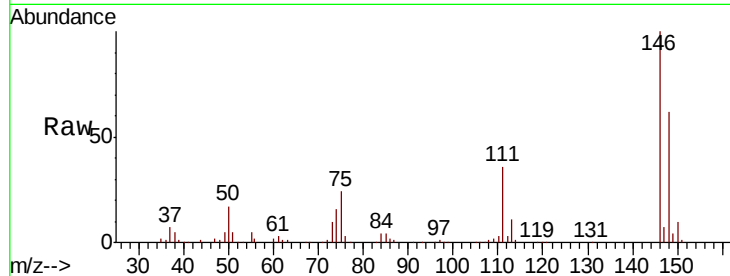
#87
 1,3-Dichlorobenzene
 Concen: 11.26 ug/l
 RT: 13.30 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.2	60.5
148	61.9	32.0	96.2

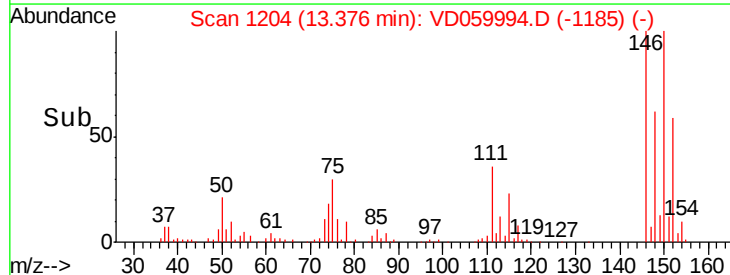
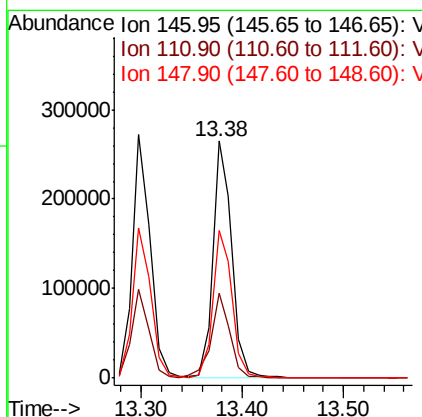
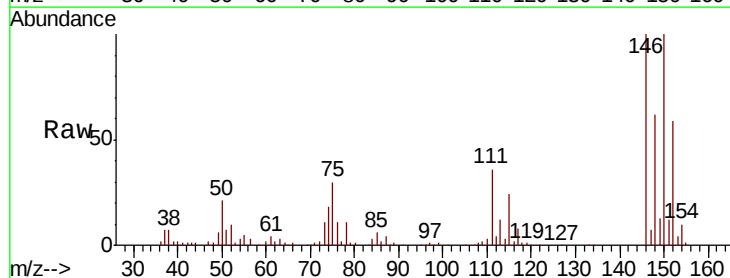
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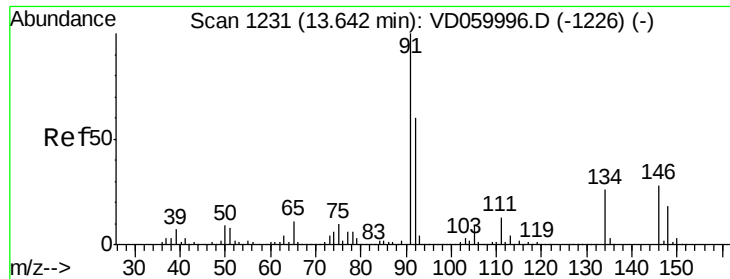
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#88
 1,4-Dichlorobenzene
 Concen: 11.64 ug/l
 RT: 13.38 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	16.7	50.0
148	62.4	32.9	98.6





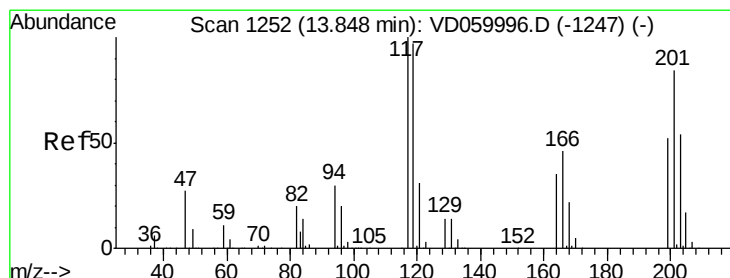
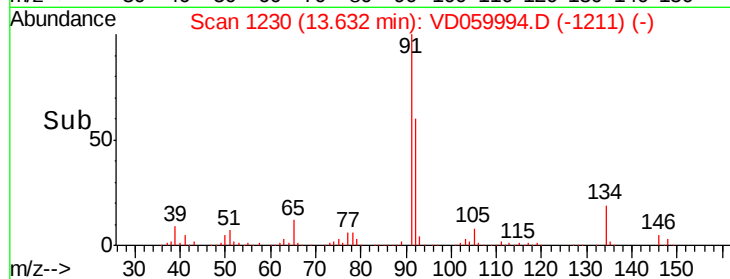
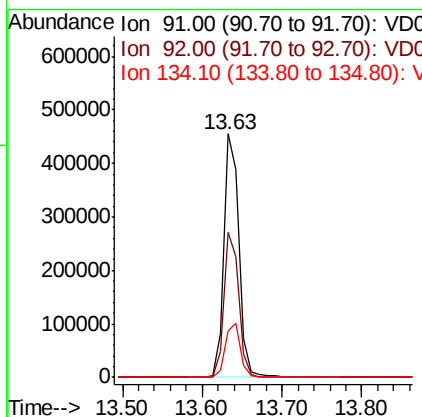
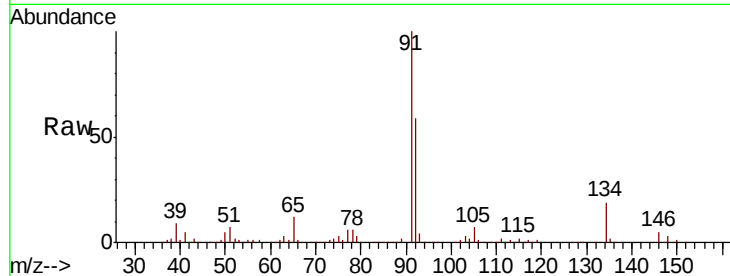
#89
n-Butylbenzene
Concen: 11.63 ug/l
RT: 13.63 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		606720		
92	59.5	29.8		89.3	
134	19.1	13.2		39.6	

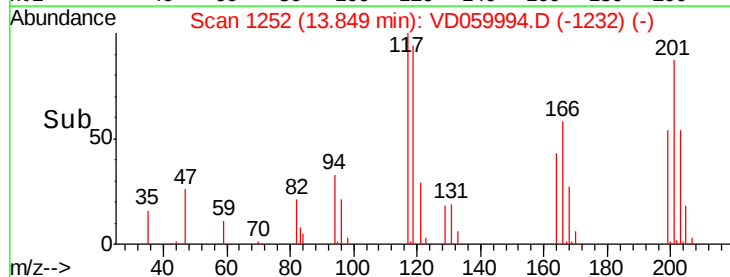
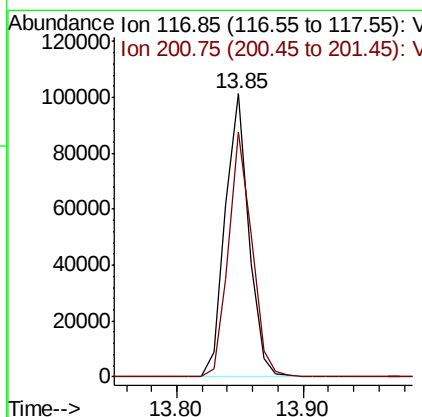
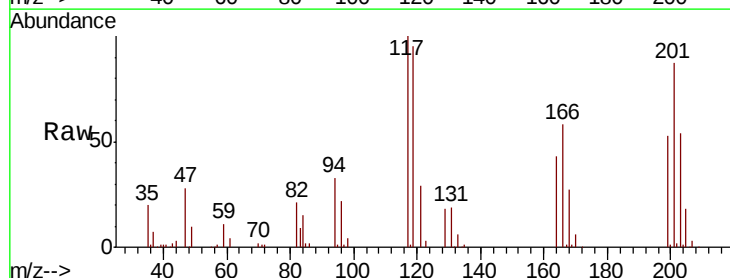
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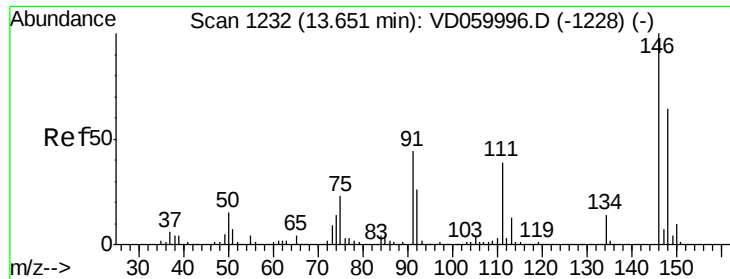
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#90
Hexachloroethane
Concen: 9.45 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		130785		
201	86.7	42.1		126.4	





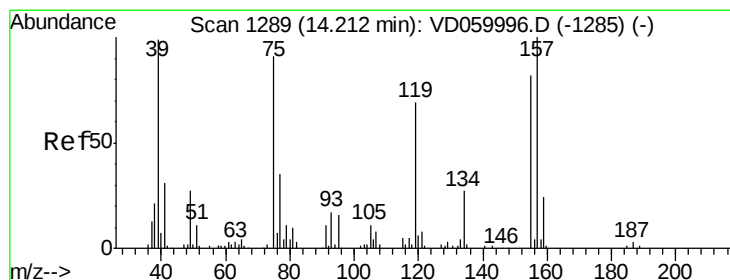
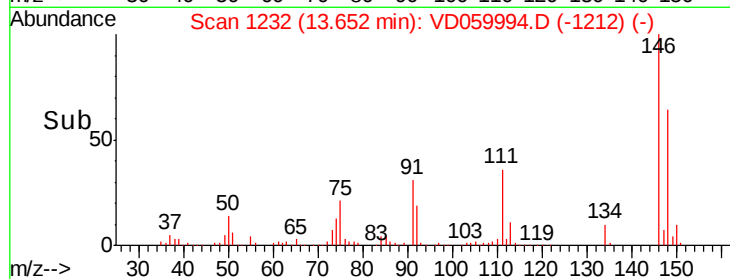
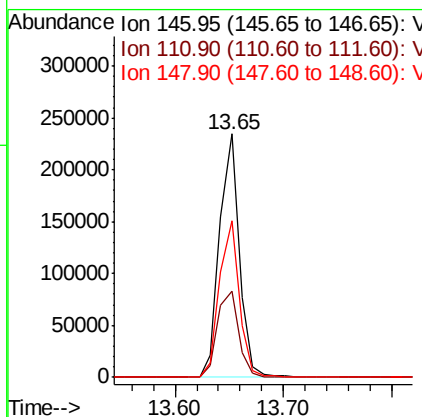
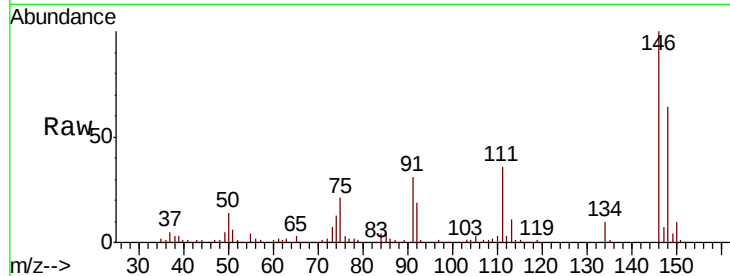
#91
 1,2-Dichlorobenzene
 Concen: 11.95 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.6	58.7
148	64.2	31.9	95.7

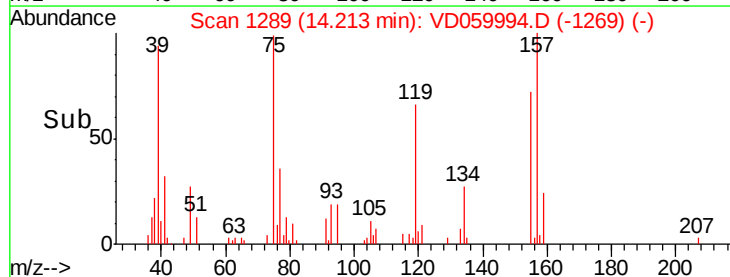
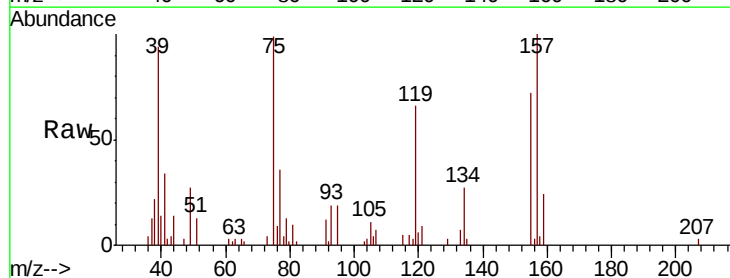
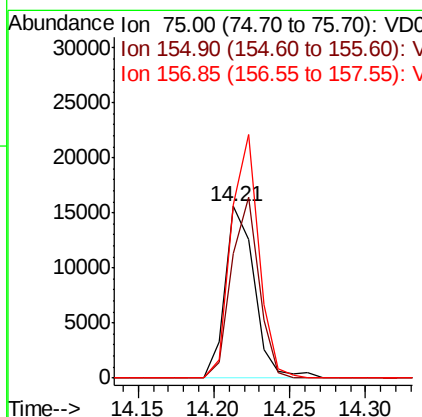
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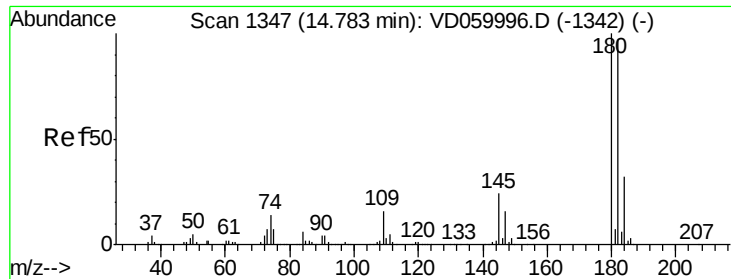
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.13 ug/l
 RT: 14.21 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	44.7	134.1
157	101.1	54.7	164.1





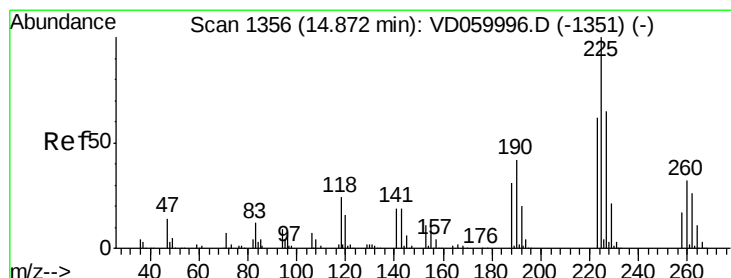
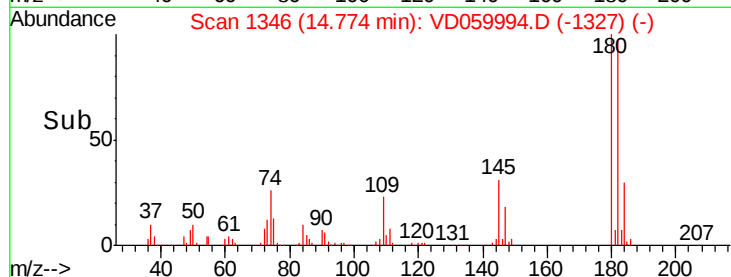
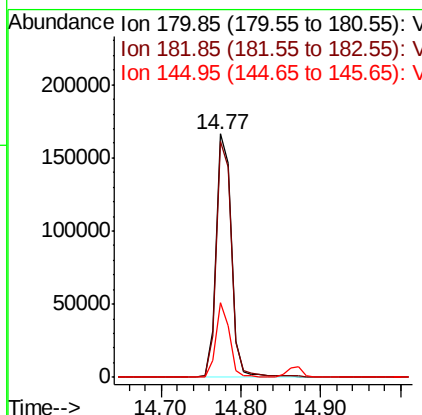
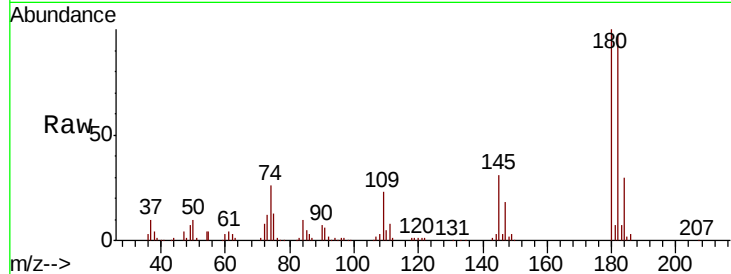
#93
 1,2,4-Trichlorobenzene
 Concen: 10.55 ug/l
 RT: 14.77 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	227872		
182	97.0	48.5	145.6	
145	30.6	11.9	35.7	

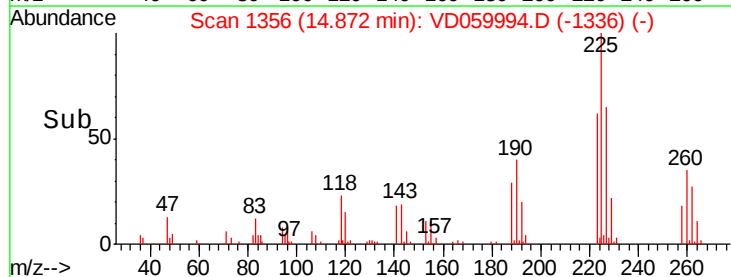
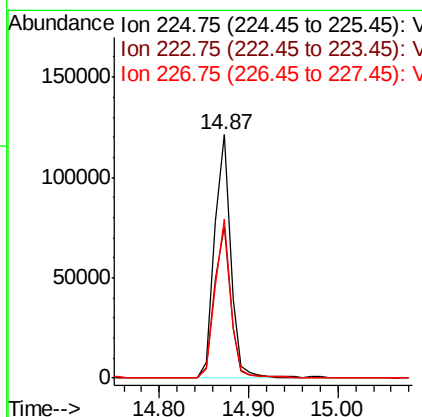
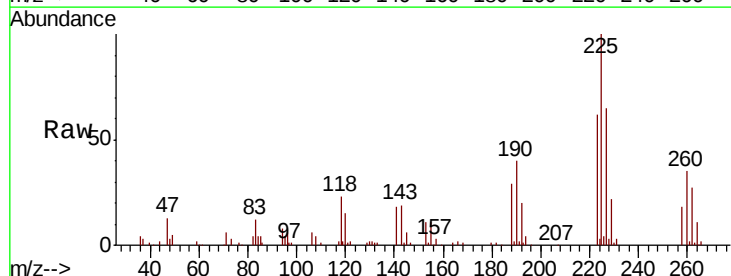
Manual Integrations
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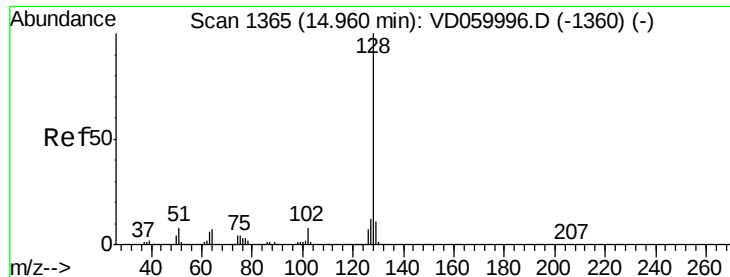
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#94
 Hexachlorobutadiene
 Concen: 10.88 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD059994.D
 Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154651		
223	61.9	31.2	93.6	
227	65.2	32.3	96.8	





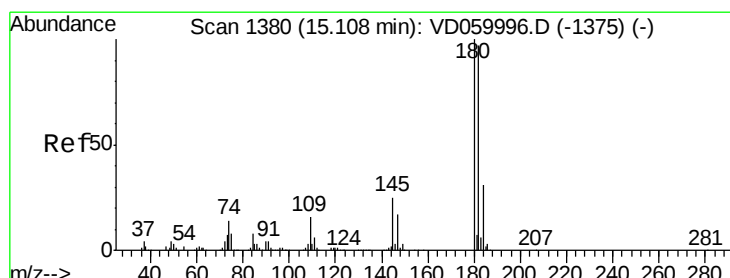
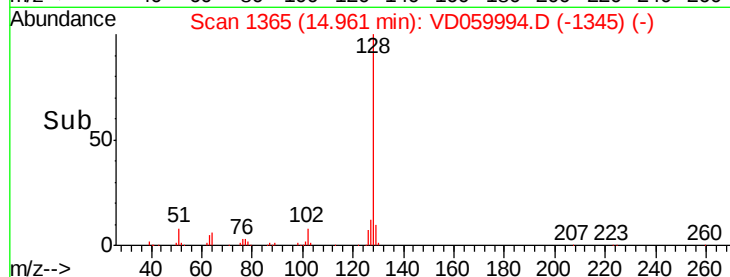
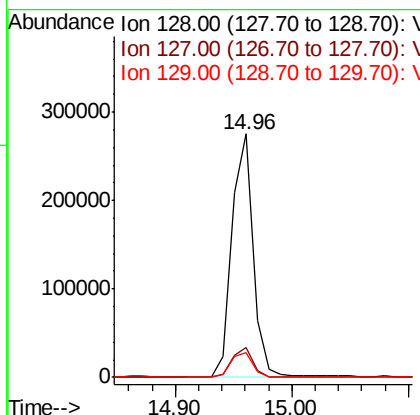
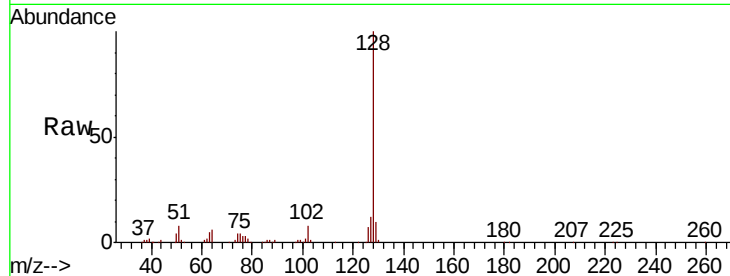
#95
Naphthalene
Concen: 10.68 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	351113		
127	12.4		9.7	14.5
129	10.3		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 10.92 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD059994.D
Acq: 13 Sep 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	202371		
182	96.3		48.6	145.9
145	25.4		12.7	38.1

