

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063574.D
 Acq On : 14 Aug 2019 15:22
 Operator : JC/SY
 Sample : VD0814SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 15 11:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1131508	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1632584	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1347112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	693461	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	640482	52.95	ug/l	-0.01
Spiked Amount			Recovery	=	105.90%	
35) Dibromofluoromethane	6.93	113	712482	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.42	98	1664618	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
62) 4-Bromofluorobenzene	13.56	95	732008	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	265531	19.397	ug/l	95
3) Chloromethane	1.75	50	223587	20.905	ug/l	97
4) Vinyl Chloride	1.85	62	210140	19.792	ug/l	100
5) Bromomethane	2.15	94	83674	16.702	ug/l	98
6) Chloroethane	2.26	64	94599	19.483	ug/l	99
7) Trichlorofluoromethane	2.52	101	430039	20.649	ug/l	98
8) Diethyl Ether	2.88	74	61487	20.911	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	249071	20.254	ug/l	95
10) Methyl Iodide	3.30	142	328138	18.859	ug/l	95
11) Tert butyl alcohol	4.10	59	53660	101.915	ug/l #	92
12) 1,1-Dichloroethene	3.12	96	172512	18.868	ug/l	88
13) Acrolein	3.04	56	49318	95.161	ug/l	88
14) Allyl chloride	3.62	41	282688	20.567	ug/l	93
15) Acrylonitrile	4.21	53	157007	112.581	ug/l	93
16) Acetone	3.23	43	240747	97.918	ug/l #	91
17) Carbon Disulfide	3.37	76	585195	20.280	ug/l	98
18) Methyl Acetate	3.66	43	94224	20.233	ug/l #	88
19) Methyl tert-butyl Ether	4.25	73	414540	22.671	ug/l	97
20) Methylene Chloride	3.82	84	216117	20.328	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	216957	22.549	ug/l	98
22) Diisopropyl ether	5.12	45	583474	20.572	ug/l	94
23) Vinyl Acetate	5.06	43	1762242	106.876	ug/l	99
24) 1,1-Dichloroethane	4.99	63	385331	21.905	ug/l	99
25) 2-Butanone	6.09	43	249997	102.953	ug/l	92
26) 2,2-Dichloropropane	6.03	77	358068	20.436	ug/l	93
27) cis-1,2-Dichloroethene	6.05	96	223511	21.233	ug/l	95
28) Bromochloromethane	6.45	49	149455	20.963	ug/l	96
29) Tetrahydrofuran	6.47	42	122154	107.957	ug/l	96
30) Chloroform	6.67	83	435838	19.933	ug/l	98
31) Cyclohexane	6.96	56	242490	22.204	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	420165	20.088	ug/l	95
36) 1,1-Dichloropropene	7.16	75	289686	20.072	ug/l	98
37) Ethyl Acetate	6.20	43	124789	20.634	ug/l	98
38) Carbon Tetrachloride	7.12	117	422128	19.407	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	239573	19.521	ug/l	93
40) Benzene	7.46	78	640791	20.176	ug/l	99
41) Methacrylonitrile	6.46	41	163713	21.500	ug/l	97
42) 1,2-Dichloroethane	7.58	62	322661	20.204	ug/l	100
43) Isopropyl Acetate	9.25	43	171146	21.130	ug/l #	93
44) Trichloroethene	8.55	130	242565	19.981	ug/l	95
45) 1,2-Dichloropropane	8.94	63	144488	19.535	ug/l	100
46) Dibromomethane	9.07	93	127685	20.215	ug/l	96
47) Bromodichloromethane	9.38	83	330288	20.386	ug/l	99
48) Methyl methacrylate	9.13	41	113079	20.586	ug/l	92
49) 1,4-Dioxane	9.09	88	19945	421.290	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	586833	105.881	ug/l	96
52) Toluene	10.52	92	411458	20.113	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	282858	21.392	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	296696	19.900	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	137261	19.863	ug/l	97
56) Ethyl methacrylate	11.05	69	154764	20.634	ug/l	95
57) 1,3-Dichloropropane	11.41	76	214297	20.516	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	382985	96.721	ug/l	100
59) 2-Hexanone	11.54	43	426552	105.771	ug/l	100
60) Dibromochloromethane	11.70	129	259380	20.628	ug/l	99
61) 1,2-Dibromoethane	11.82	107	172979	20.678	ug/l	93
64) Tetrachloroethene	11.27	164	211173	20.306	ug/l	95
65) Chlorobenzene	12.41	112	495984	19.644	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	226797	20.411	ug/l	96
67) Ethyl Benzene	12.54	91	931652	21.222	ug/l	98
68) m/p-Xylenes	12.67	106	647773	41.999	ug/l	86
69) o-Xylene	13.06	106	279301	18.815	ug/l	98
70) Styrene	13.08	104	545760	20.669	ug/l	98
71) Bromoform	13.24	173	160282	21.037	ug/l	97
73) Isopropylbenzene	13.41	105	940007	21.311	ug/l	100
74) N-amyl acetate	13.27	43	239290	21.611	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	159479	21.783	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	167692	21.070	ug/l	99
77) Bromobenzene	13.68	156	264020	21.902	ug/l	89
78) n-propylbenzene	13.79	91	944055	18.293	ug/l	98
79) 2-Chlorotoluene	13.84	91	604221	20.306	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	813862	21.118	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	41141	19.233	ug/l #	91
82) 4-Chlorotoluene	13.95	91	743147	20.769	ug/l	98
83) tert-Butylbenzene	14.20	119	862618	21.256	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	807589	22.648	ug/l	92
85) sec-Butylbenzene	14.38	105	968056	22.462	ug/l	96
86) p-Isopropyltoluene	14.49	119	849771	20.621	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	439038	20.135	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	443281	21.189	ug/l	97
89) n-Butylbenzene	14.80	91	778580	20.702	ug/l	95
90) Hexachloroethane	15.02	117	205954	19.884	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	397166	21.469	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	29645	21.505	ug/l	85

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

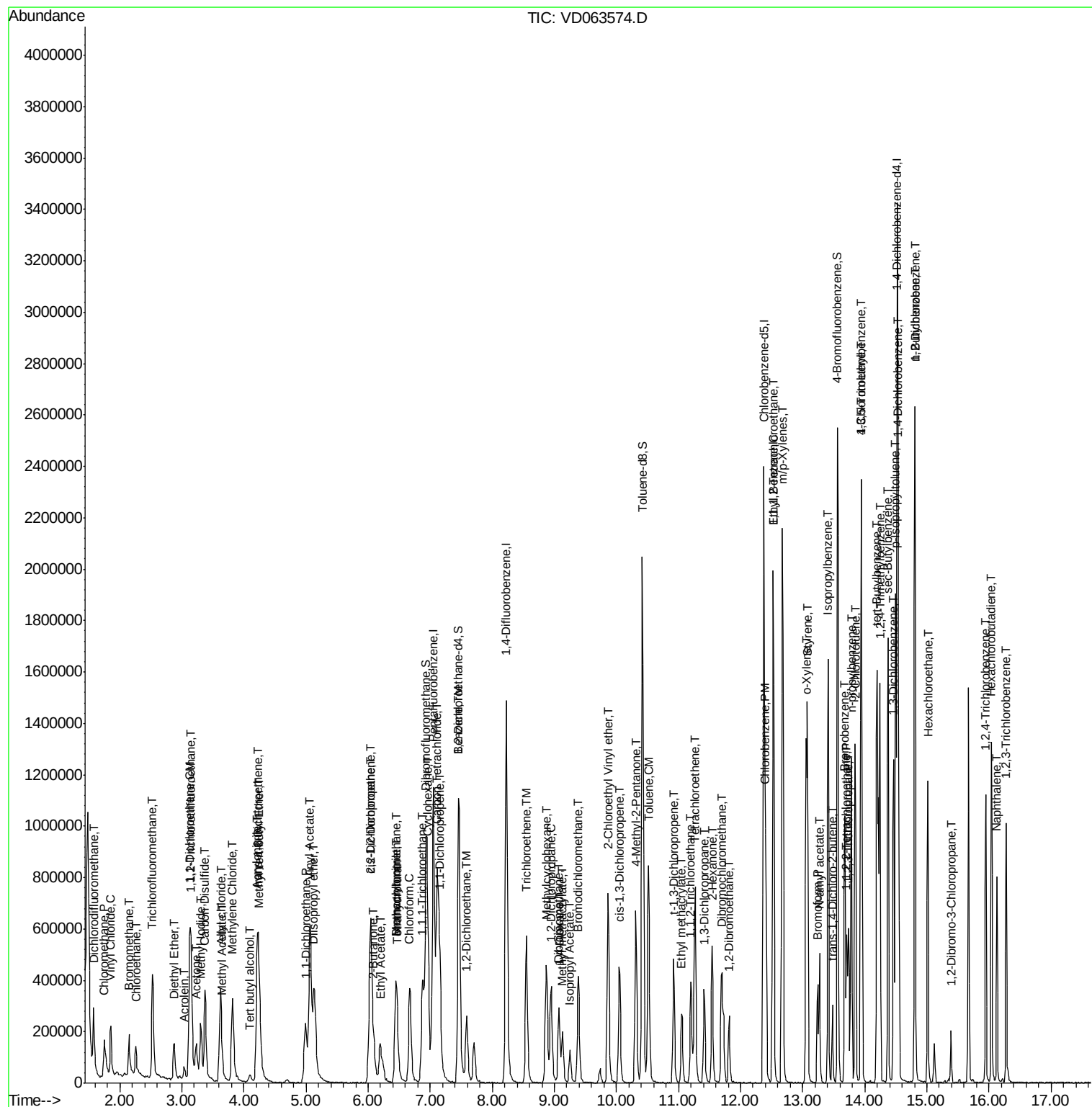
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	292986	21.523	ug/l	92
94) Hexachlorobutadiene	16.04	225	210079	20.249	ug/l	99
95) Naphthalene	16.13	128	457404	22.172	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	236672	21.526	ug/l	95

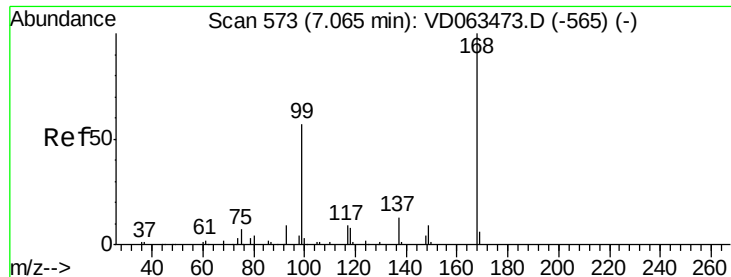
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 14 Aug 2019 15:22
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 Sample : VD0814SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
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 Client Sample Id :
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

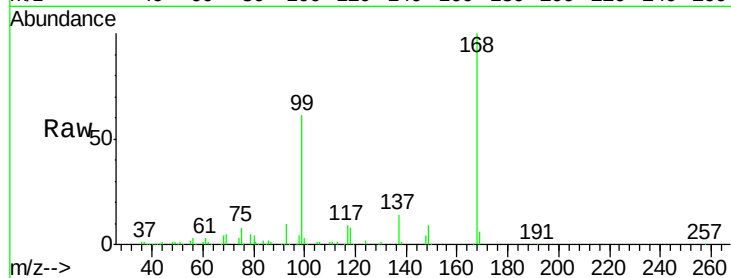
VD0814SBSD01

Tot Ion:168 Resp: 1131508

Ion Ratio Lower Upper

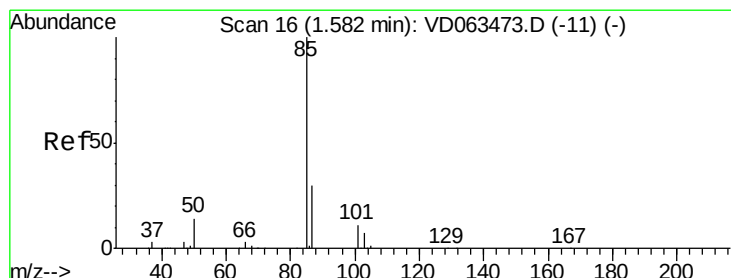
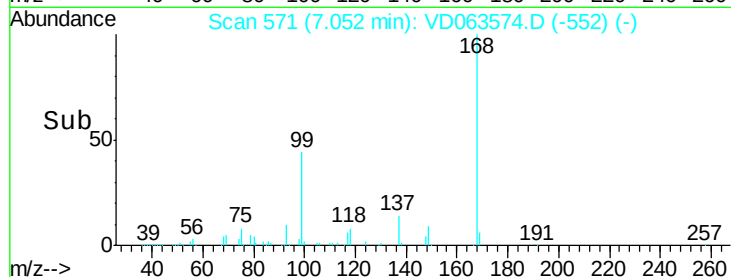
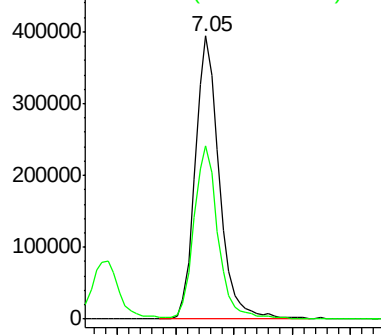
168 100

99 61.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.397 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063574.D

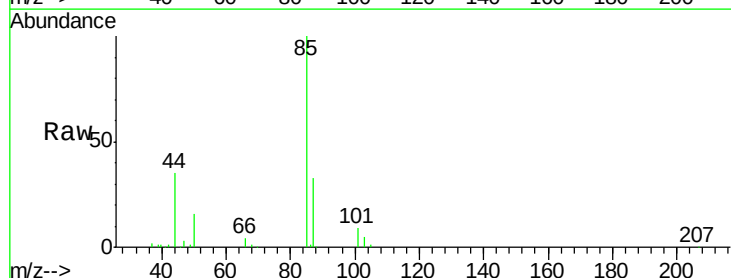
Acq: 14 Aug 2019 15:22

Tgt Ion: 85 Resp: 265531

Ion Ratio Lower Upper

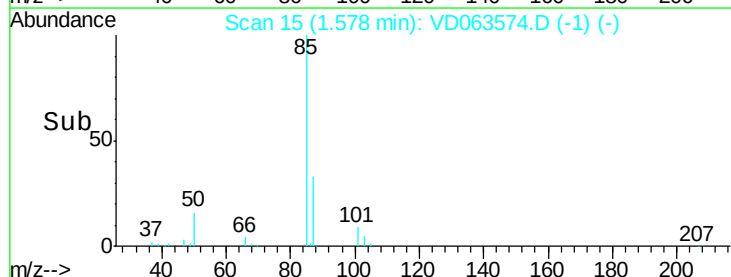
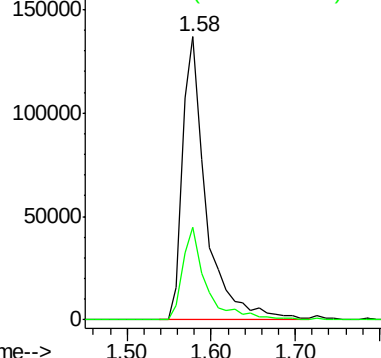
85 100

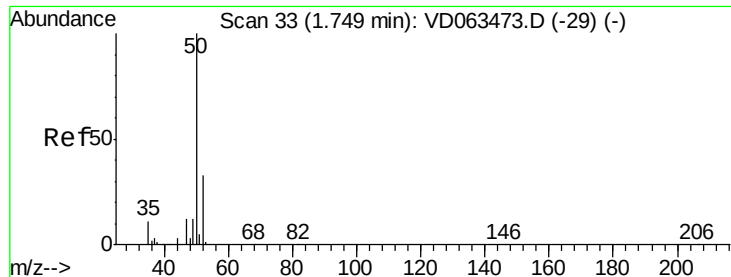
87 32.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.905 ug/l

RT: 1.75 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

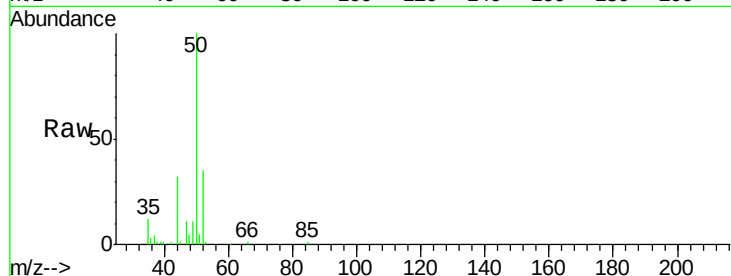
VD0814SBSD01

Tot Ion: 50 Resp: 223587

Ion Ratio Lower Upper

50 100

52 35.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

80000

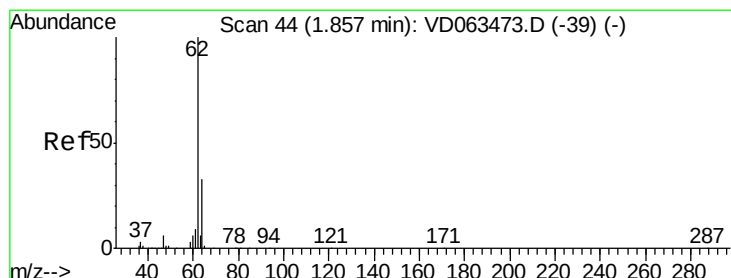
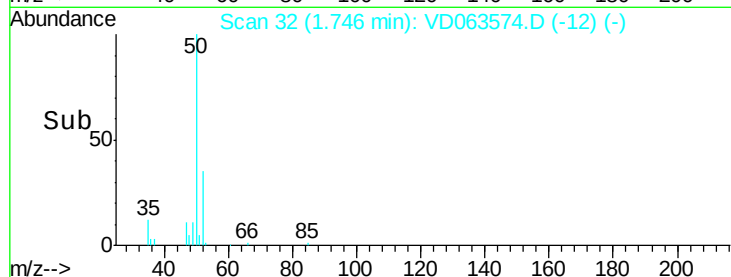
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 19.792 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063574.D

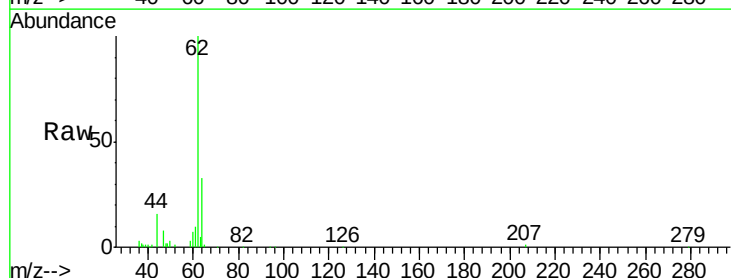
Acq: 14 Aug 2019 15:22

Tgt Ion: 62 Resp: 210140

Ion Ratio Lower Upper

62 100

64 33.2 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

120000

100000

80000

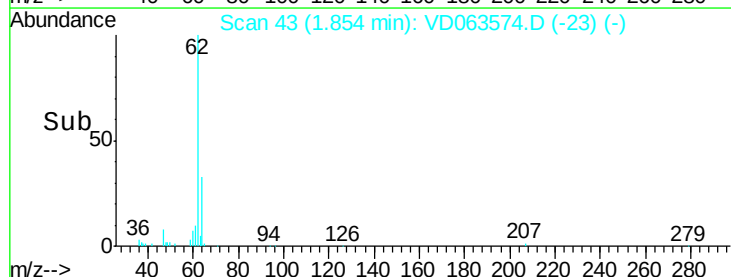
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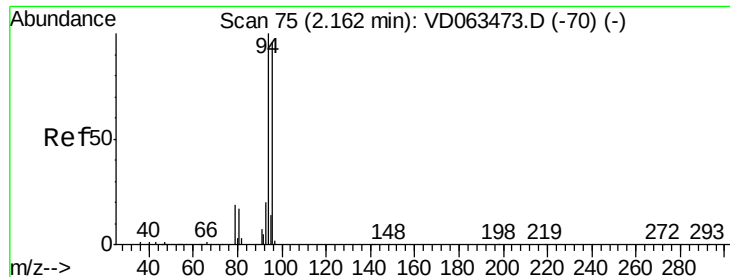
40000

20000

0

Time--> 1.80 1.90 2.00





#5

Bromomethane

Concen: 16.702 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

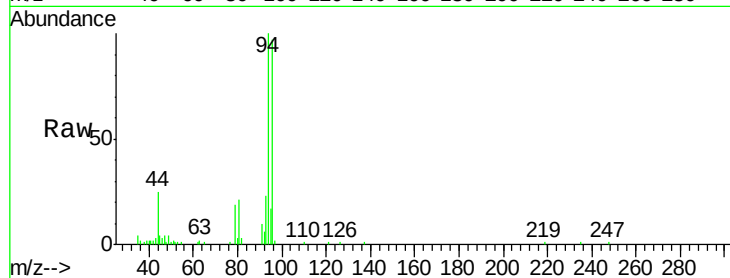
Tot Ion: 94 Resp: 83674

Ion Ratio Lower Upper

94 100

96 96.9 76.5 114.7

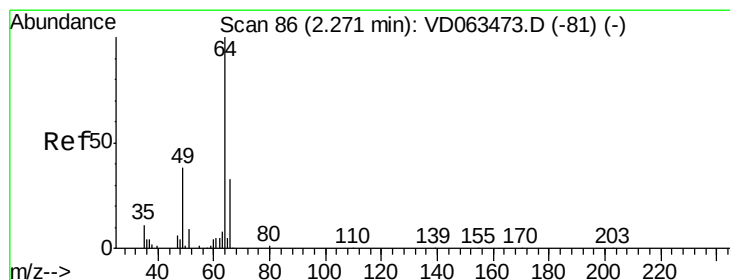
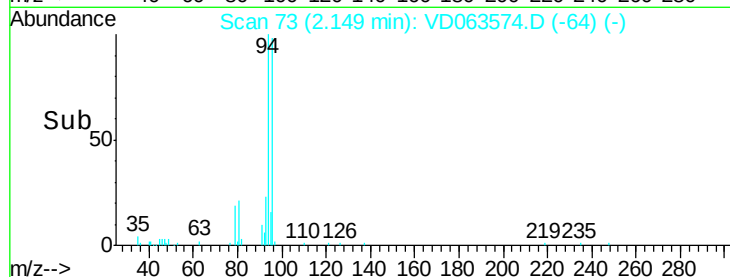
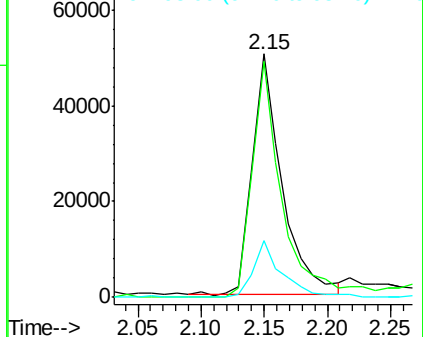
93 23.3 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.483 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063574.D

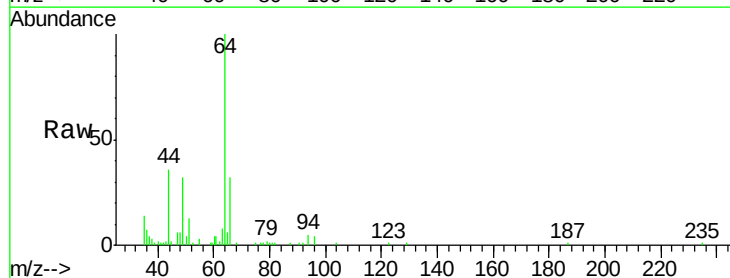
Acq: 14 Aug 2019 15:22

Tgt Ion: 64 Resp: 94599

Ion Ratio Lower Upper

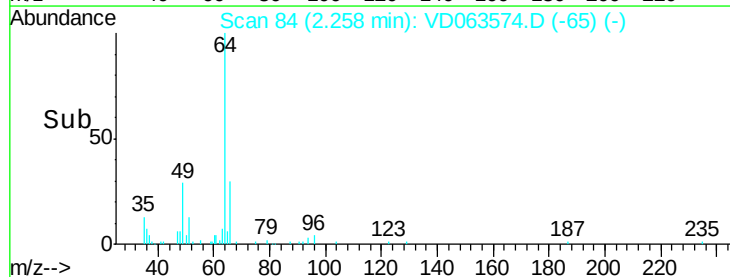
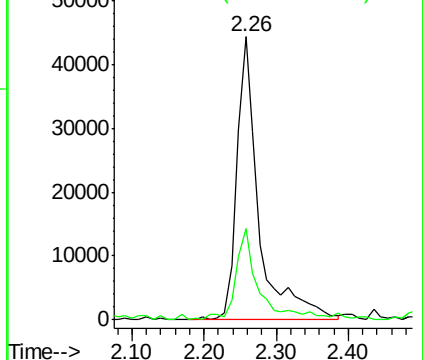
64 100

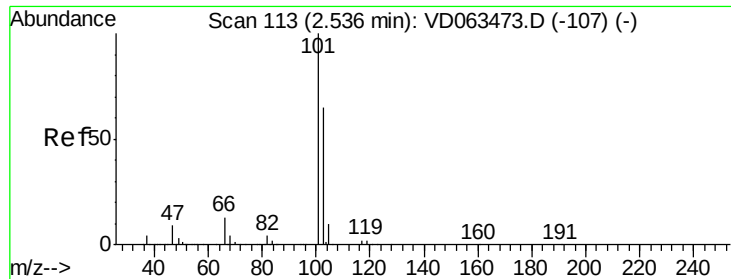
66 32.1 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



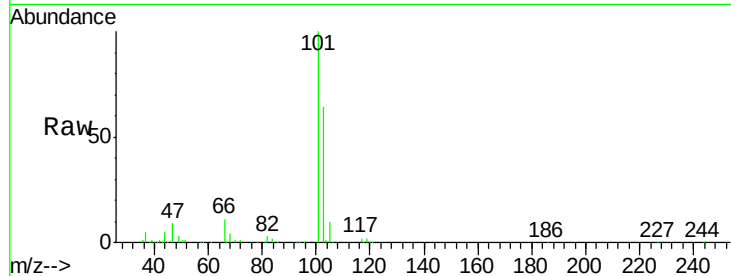


#7

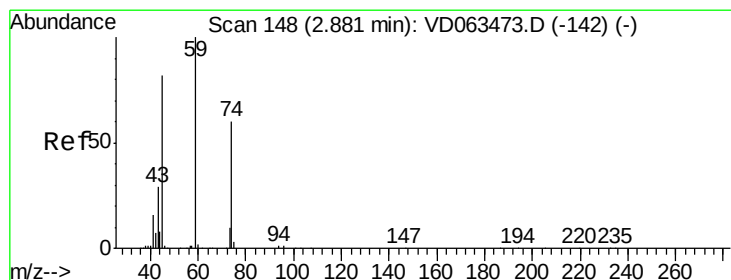
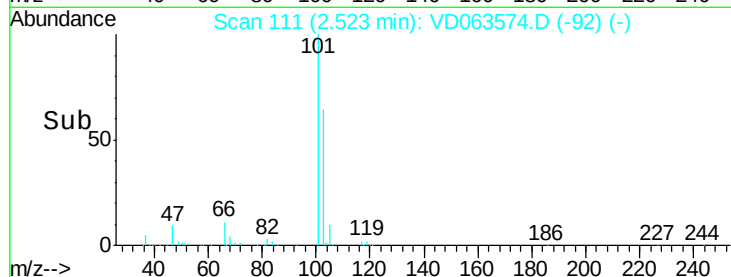
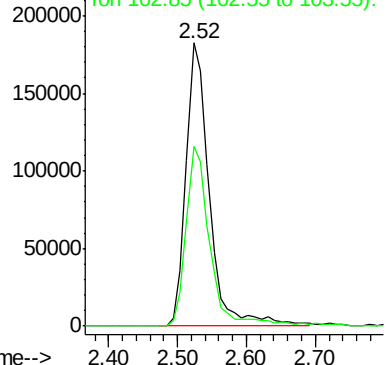
Trichlorofluoromethane
 Concen: 20.649 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Instrument :
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 ClientSampleId :
 VD0814SBSD01

Tot Ion:101 Resp: 430039
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.4



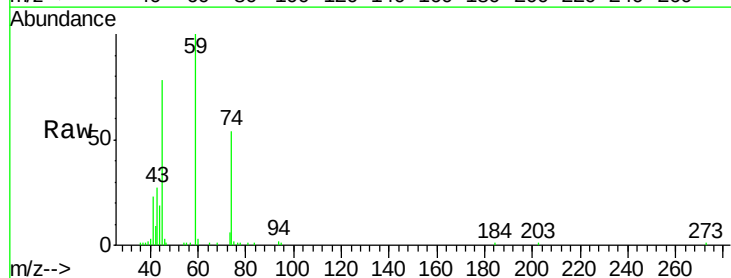
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



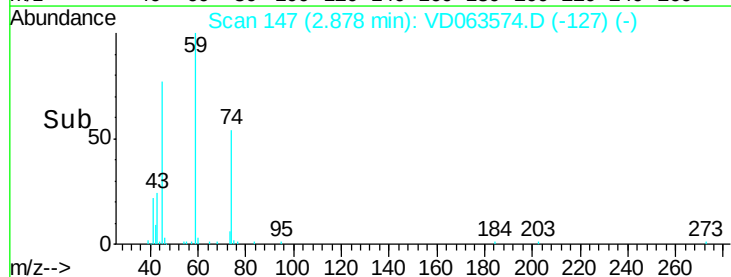
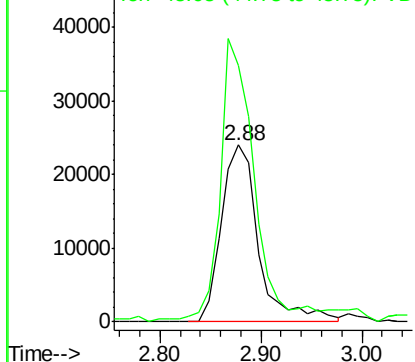
#8

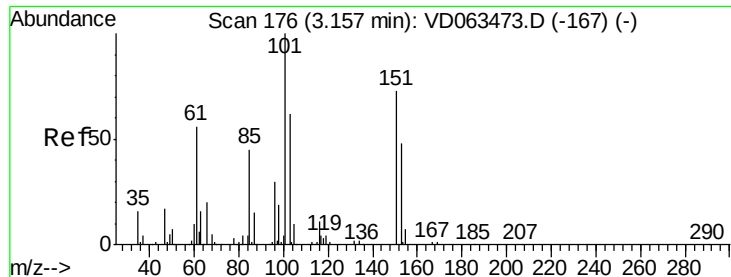
Diethyl Ether
 Concen: 20.911 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063574.D
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Tgt Ion: 74 Resp: 61487
 Ion Ratio Lower Upper
 74 100
 45 145.1 68.5 205.5



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: 20.254 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

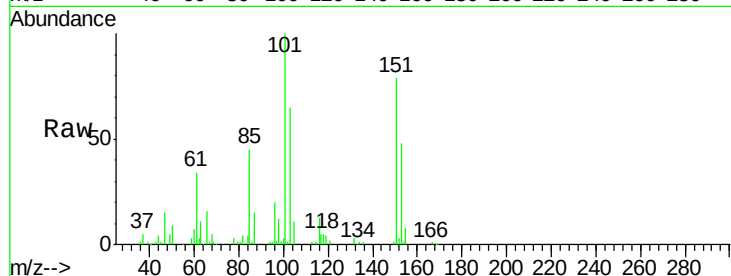
Tot Ion:101 Resp: 249071

Ion Ratio Lower Upper

101 100

85 45.5 35.8 53.6

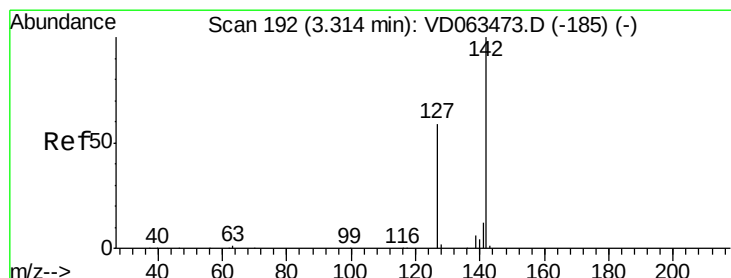
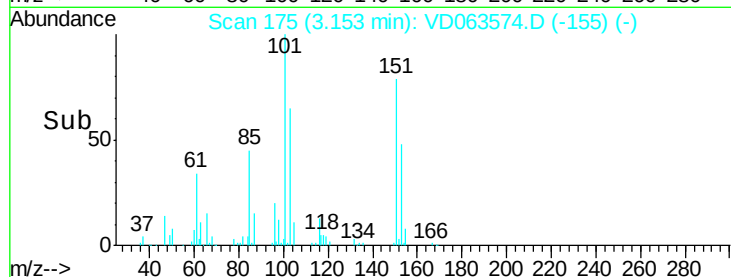
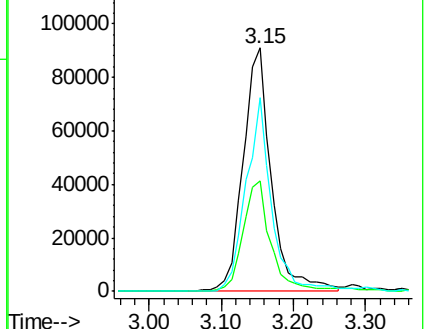
151 79.5 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.859 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

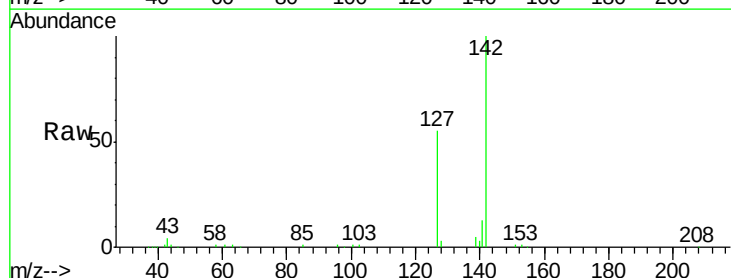
Tgt Ion:142 Resp: 328138

Ion Ratio Lower Upper

142 100

127 54.6 47.2 70.8

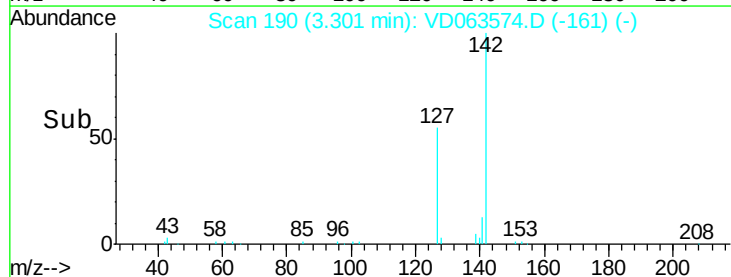
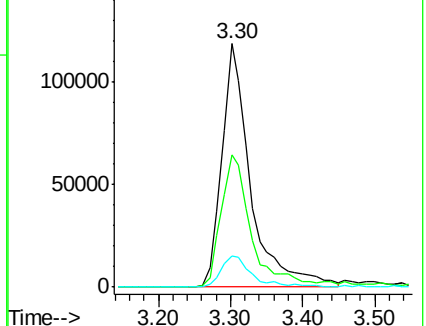
141 12.7 9.8 14.8

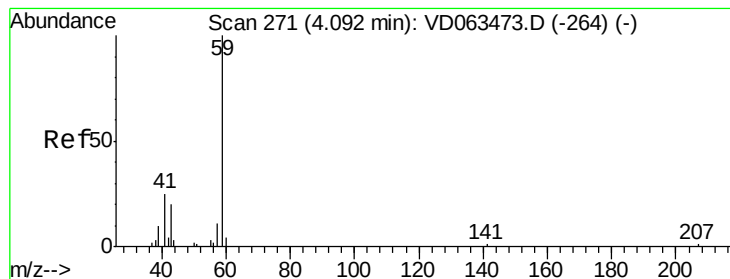


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 101.915 ug/l

RT: 4.10 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

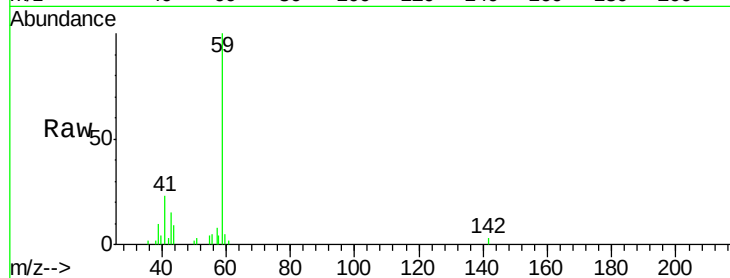
VD0814SBSD01

Tot Ion: 59 Resp: 53660

Ion Ratio Lower Upper

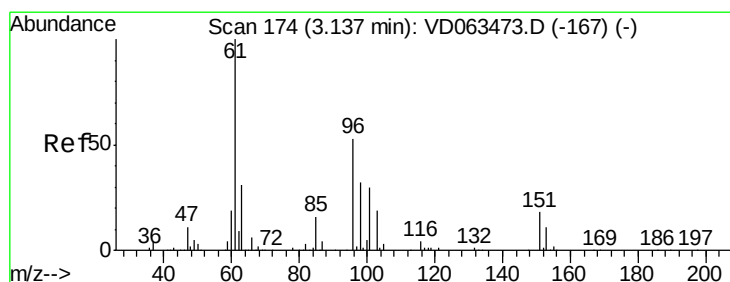
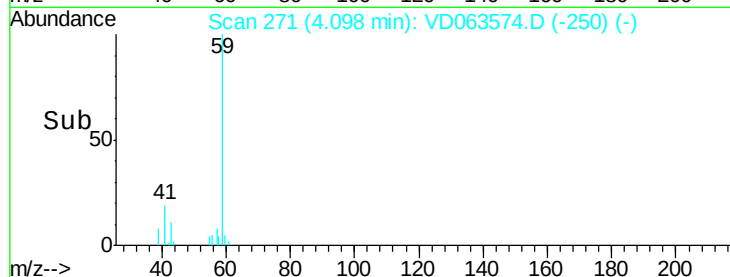
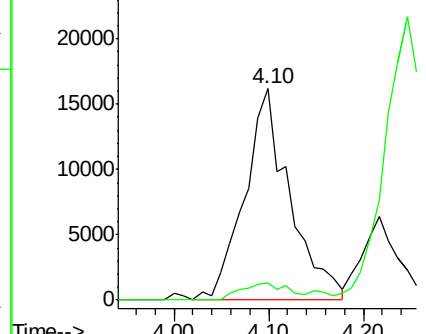
59 100

57 8.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 18.868 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

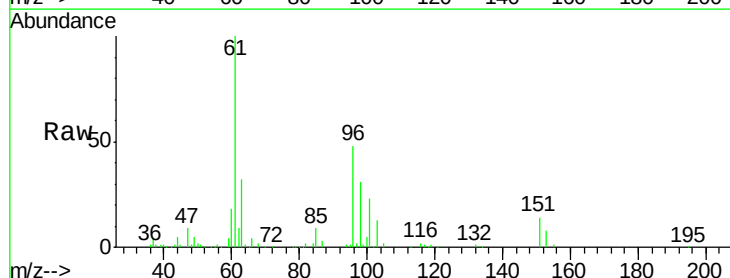
Tgt Ion: 96 Resp: 172512

Ion Ratio Lower Upper

96 100

61 210.5 151.7 227.5

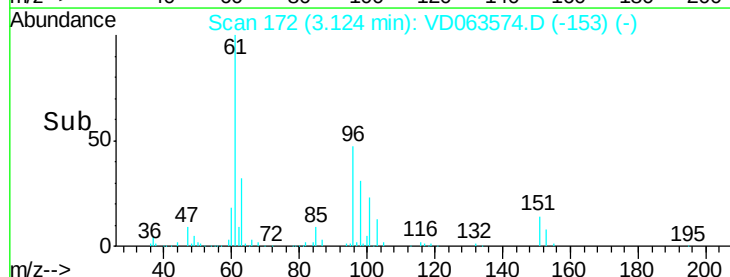
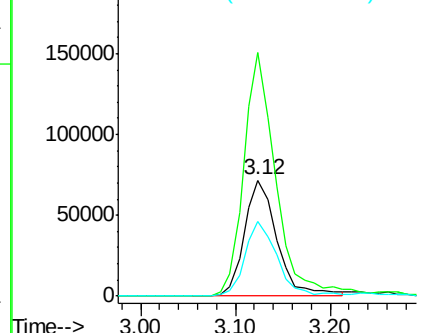
98 64.6 48.4 72.6

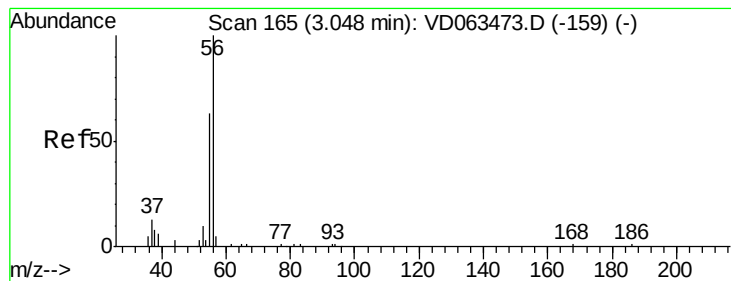


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 95.161 ug/l

RT: 3.04 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

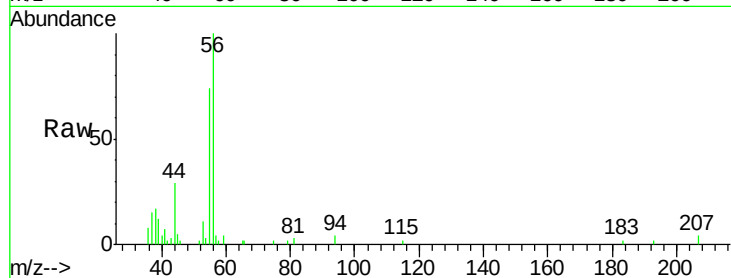
VD0814SBSD01

Tot Ion: 56 Resp: 49318

Ion Ratio Lower Upper

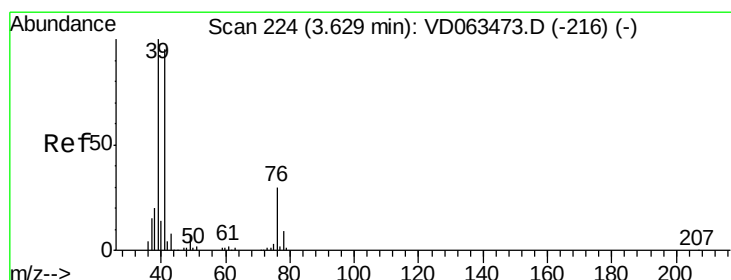
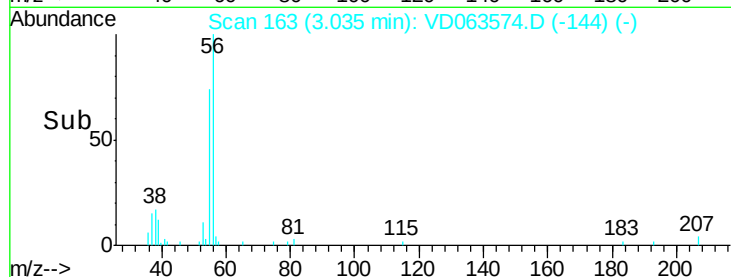
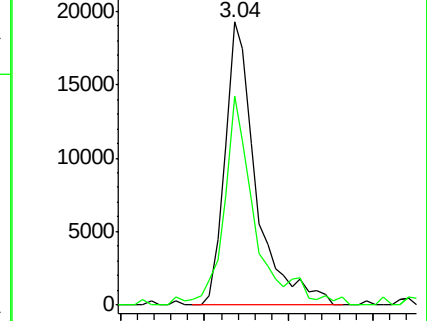
56 100

55 73.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.567 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

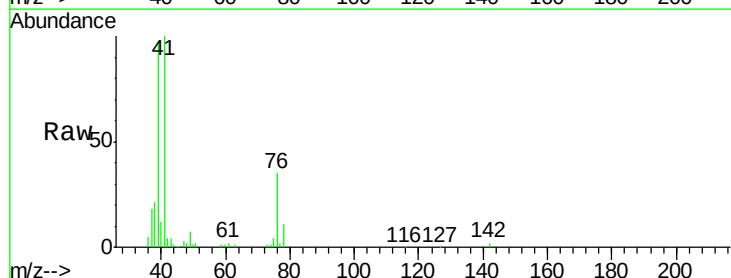
Tgt Ion: 41 Resp: 282688

Ion Ratio Lower Upper

41 100

39 97.2 84.2 126.4

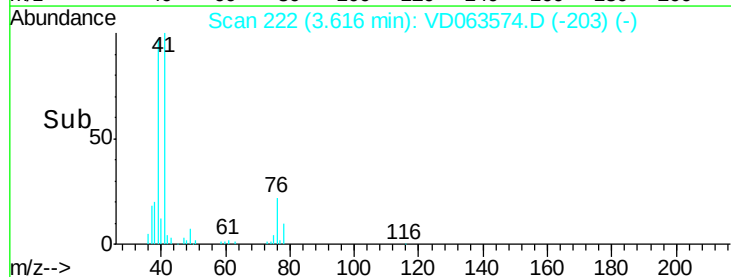
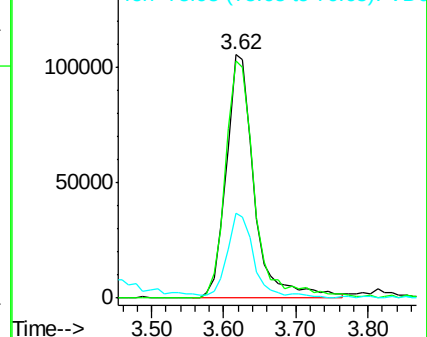
76 34.7 26.0 39.0

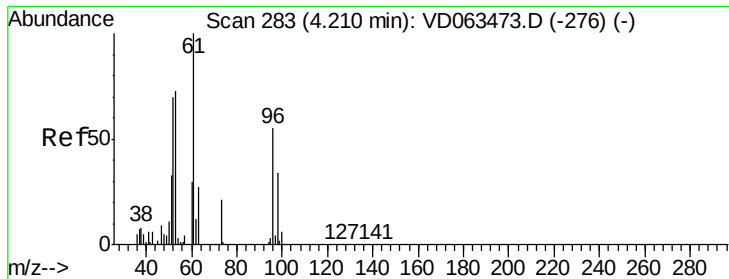


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 112.581 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

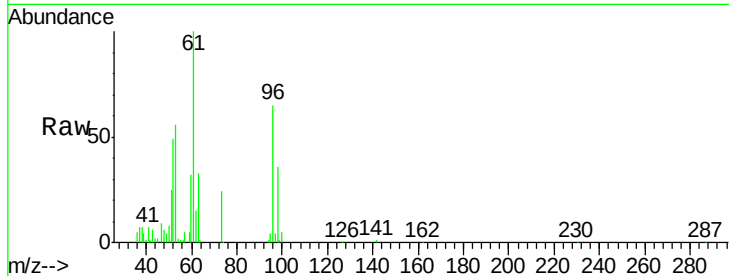
Tot Ion: 53 Resp: 157007

Ion Ratio Lower Upper

53 100

52 86.4 77.4 116.0

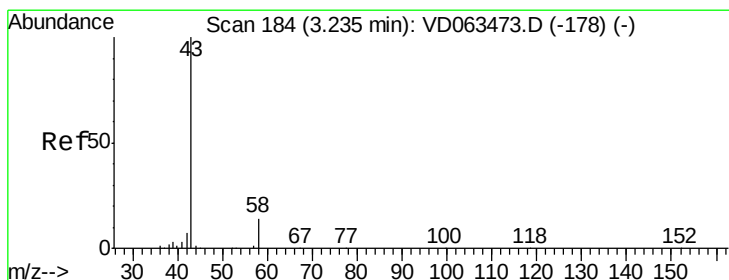
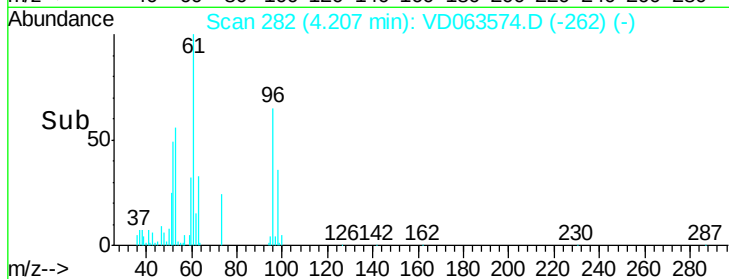
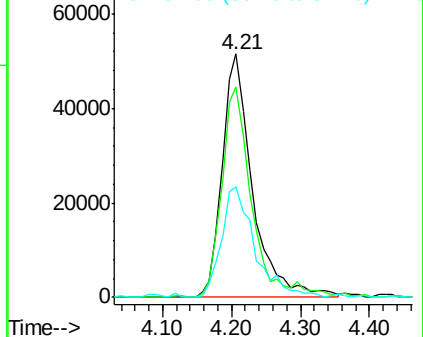
51 45.3 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 97.918 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063574.D

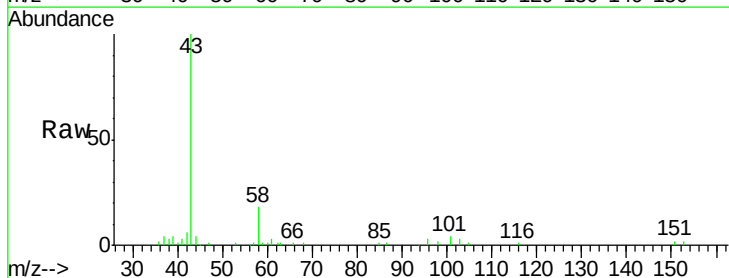
Acq: 14 Aug 2019 15:22

Tgt Ion: 43 Resp: 240747

Ion Ratio Lower Upper

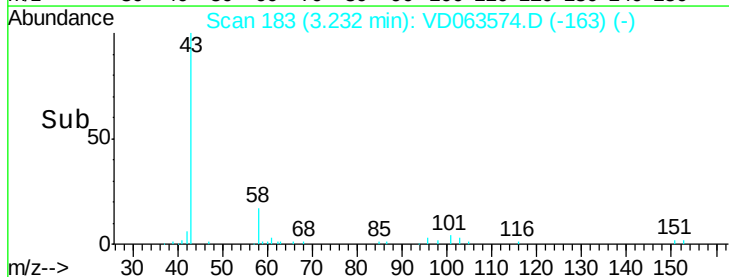
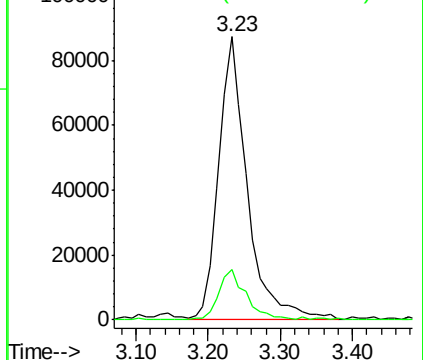
43 100

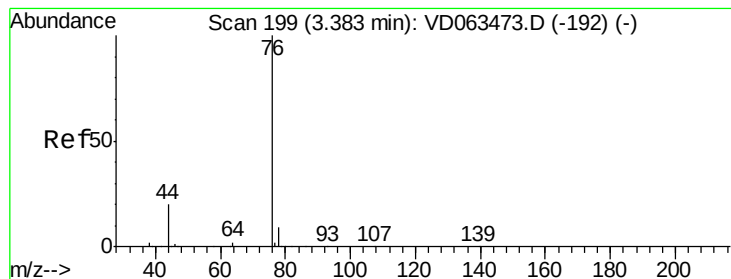
58 17.8 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.280 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

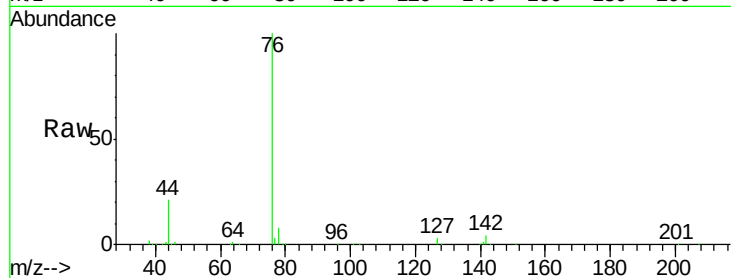
VD0814SBSD01

Tot Ion: 76 Resp: 585195

Ion Ratio Lower Upper

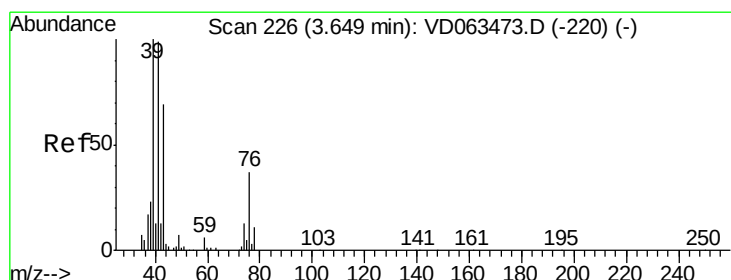
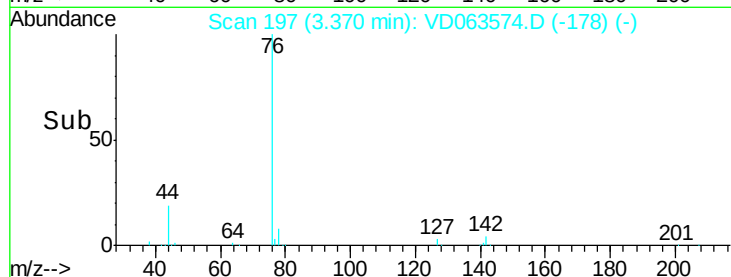
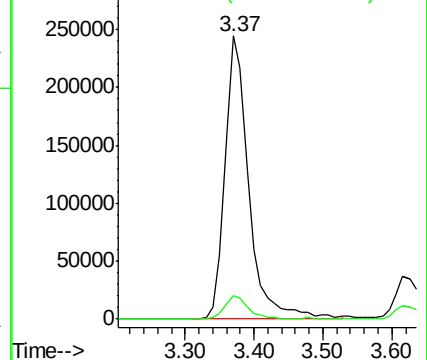
76 100

78 8.4 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.233 ug/l

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD063574.D

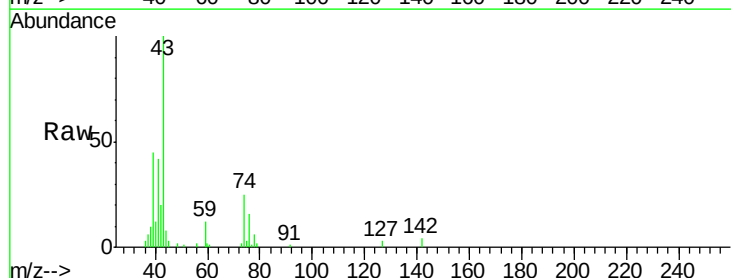
Acq: 14 Aug 2019 15:22

Tgt Ion: 43 Resp: 94224

Ion Ratio Lower Upper

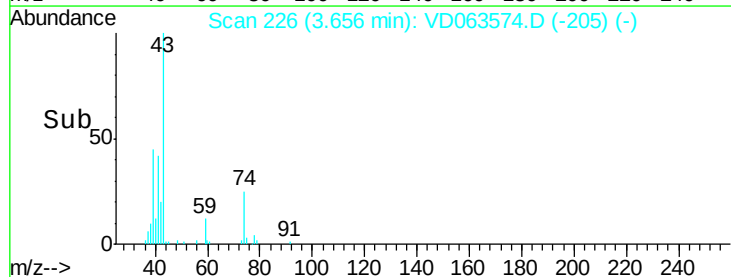
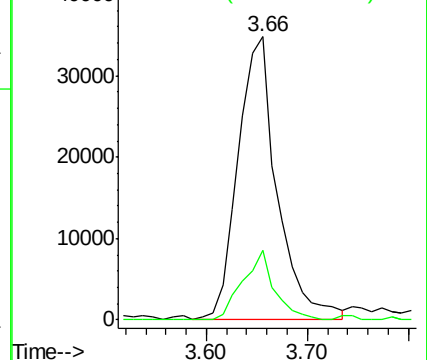
43 100

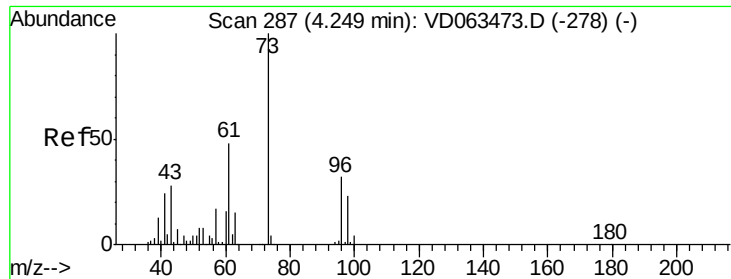
74 24.7 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

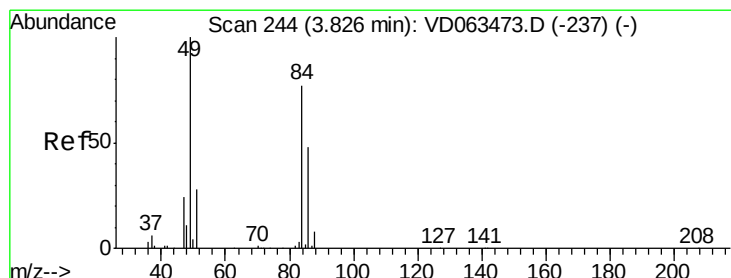
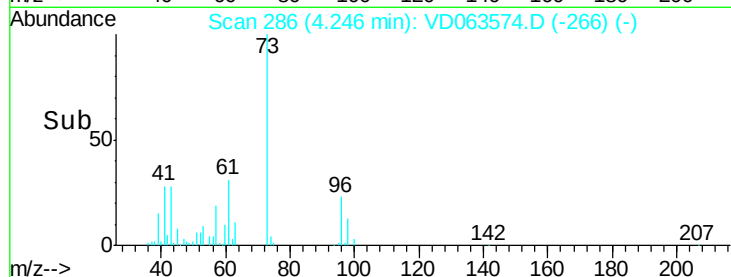
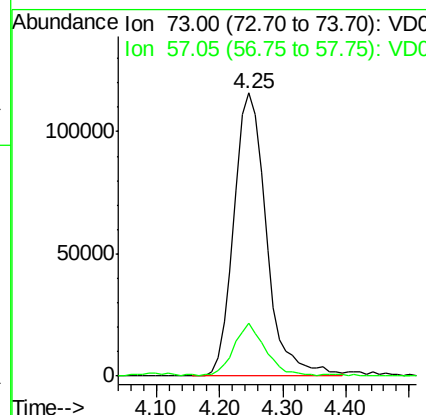
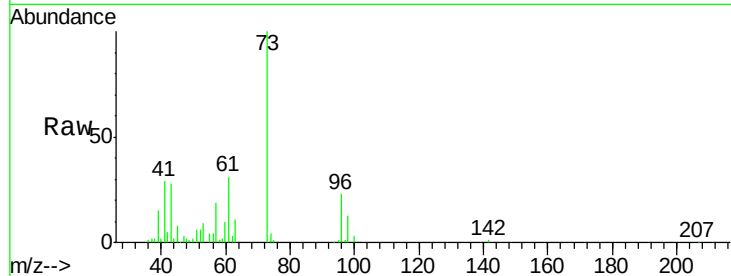




#19
Methyl tert-butyl Ether
Concen: 22.671 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

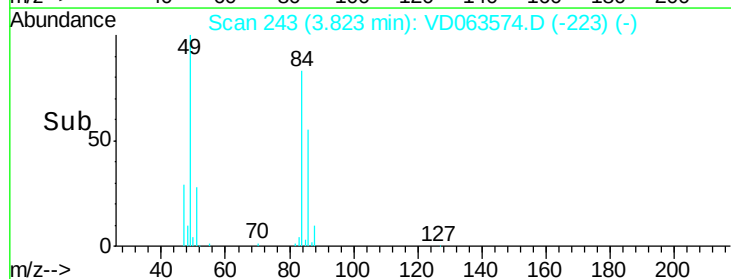
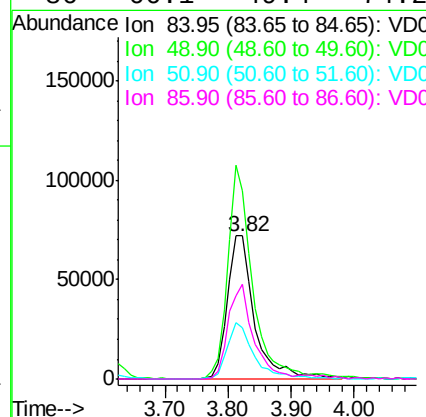
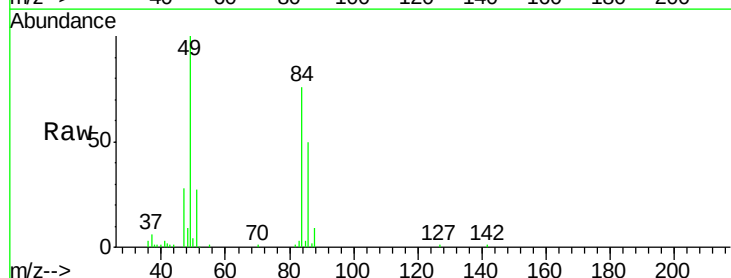
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

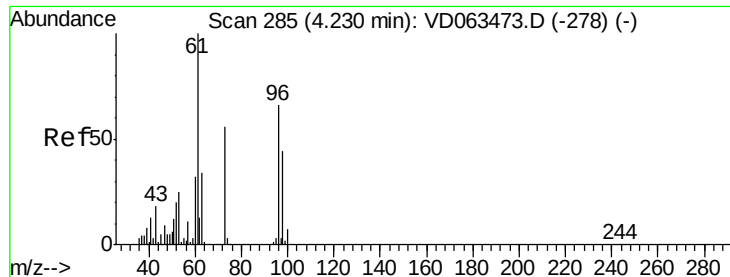
Tot Ion: 73 Resp: 414540
Ion Ratio Lower Upper
73 100
57 18.7 14.0 21.0



#20
Methylene Chloride
Concen: 20.328 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 84 Resp: 216117
Ion Ratio Lower Upper
84 100
49 131.1 103.4 155.2
51 36.0 28.5 42.7
86 66.1 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.549 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

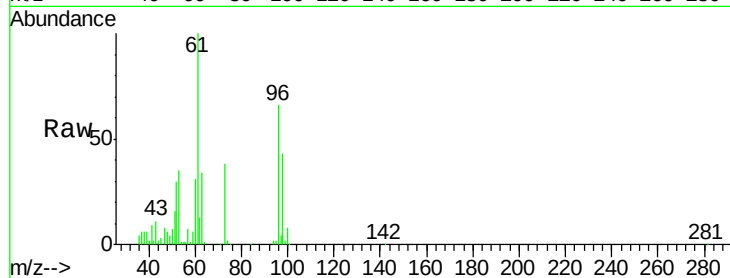
Tot Ion: 96 Resp: 216957

Ion Ratio Lower Upper

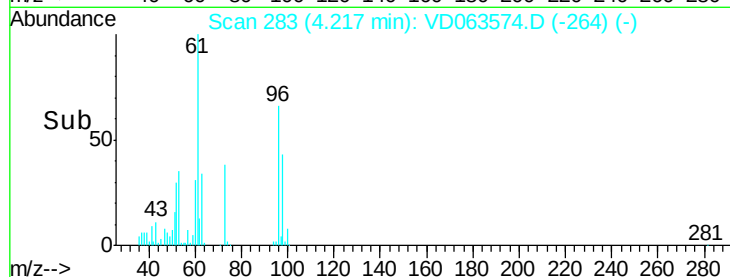
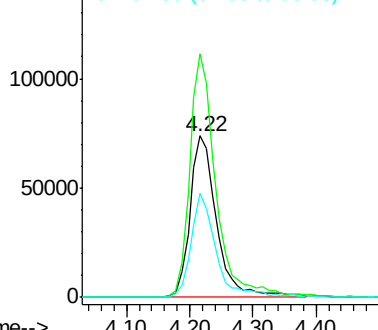
96 100

61 150.7 121.7 182.5

98 64.3 54.2 81.2



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: 20.572 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Tgt Ion: 45 Resp: 583474

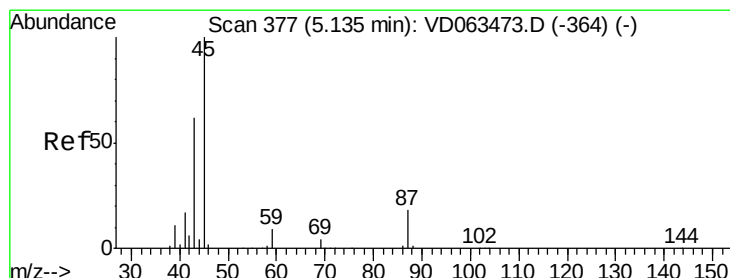
Ion Ratio Lower Upper

45 100

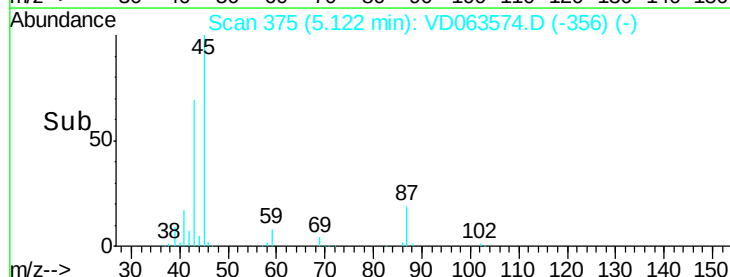
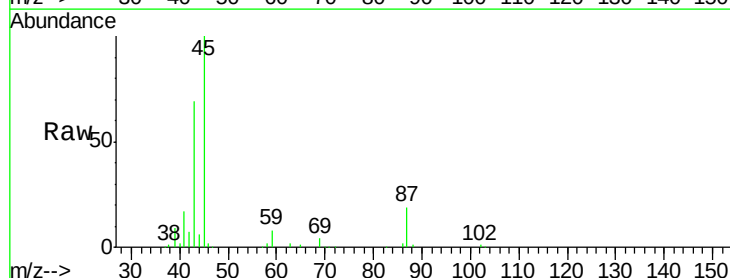
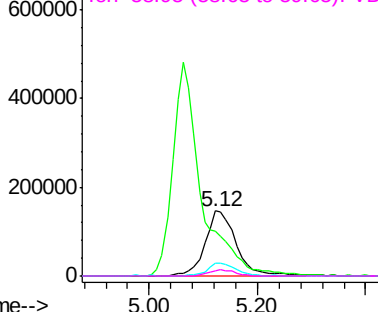
43 69.0 50.3 75.5

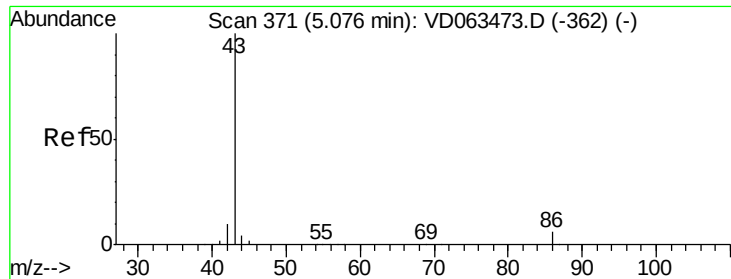
87 19.0 14.3 21.5

59 7.9 7.7 11.5



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: 106.876 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

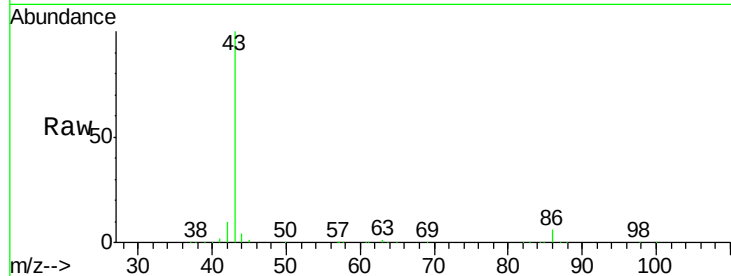
VD0814SBSD01

Tot Ion: 43 Resp: 1762242

Ion Ratio Lower Upper

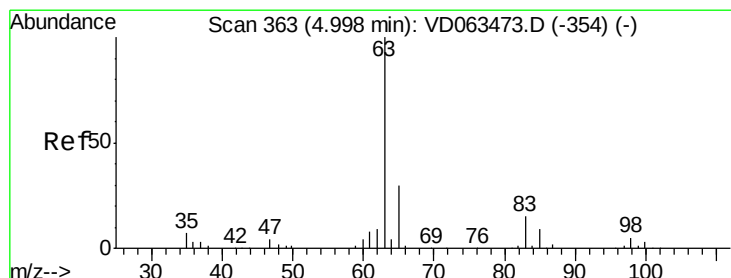
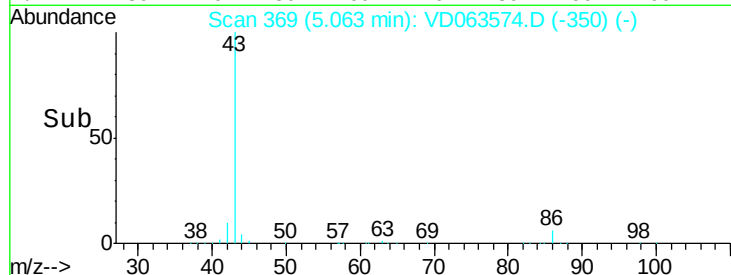
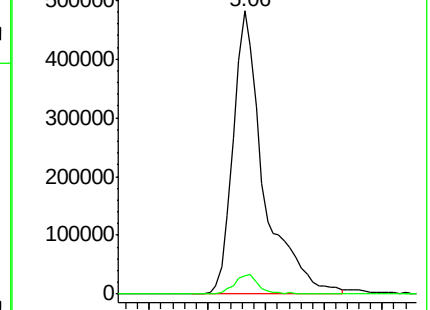
43 100

86 6.3 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.905 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

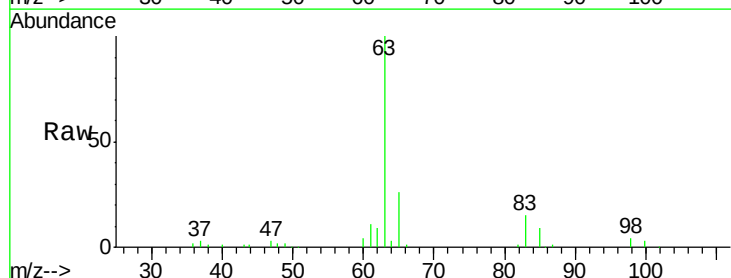
Tgt Ion: 63 Resp: 385331

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.2

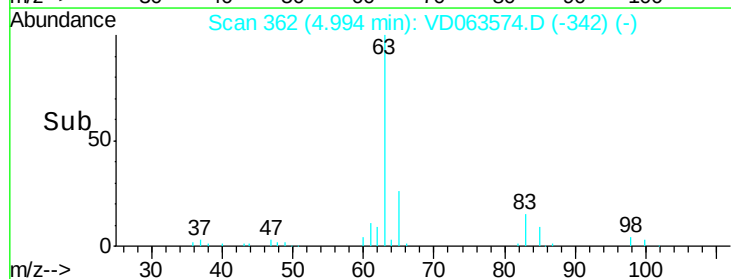
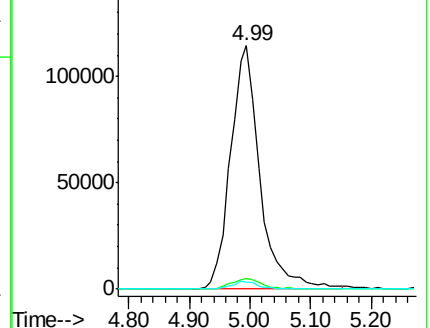
100 2.8 1.3 3.8

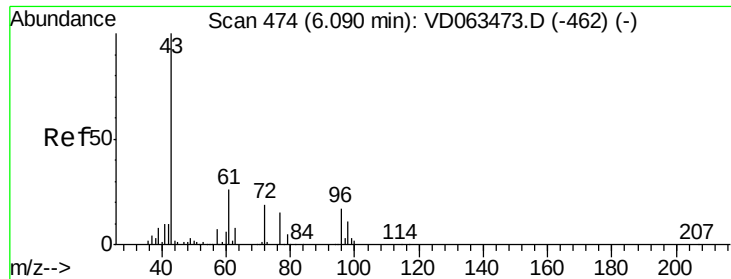


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 102.953 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

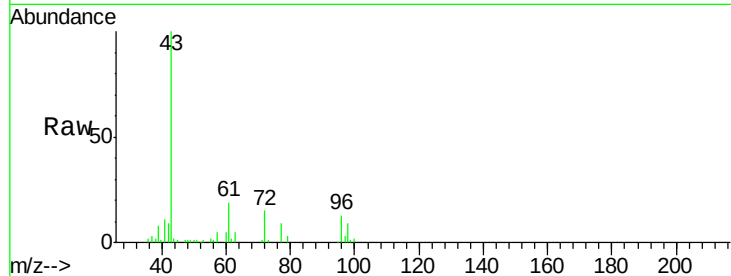
VD0814SBSD01

Tot Ion: 43 Resp: 249997

Ion Ratio Lower Upper

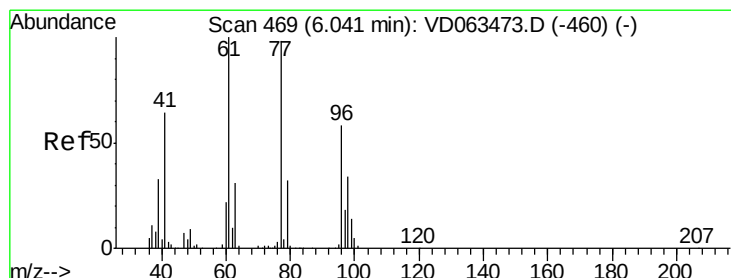
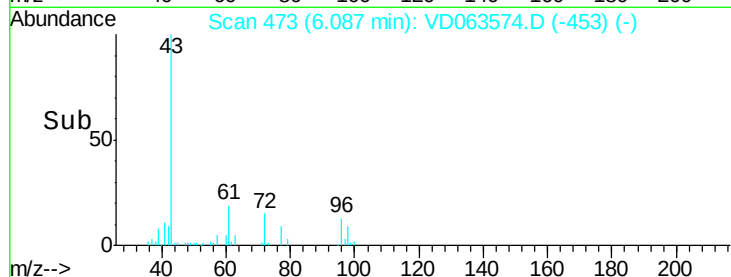
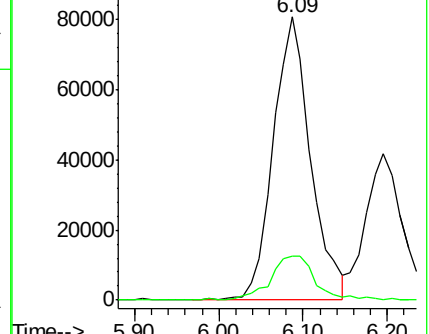
43 100

72 15.4 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.436 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063574.D

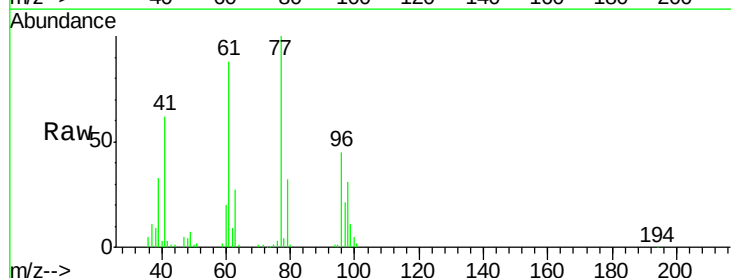
Acq: 14 Aug 2019 15:22

Tgt Ion: 77 Resp: 358068

Ion Ratio Lower Upper

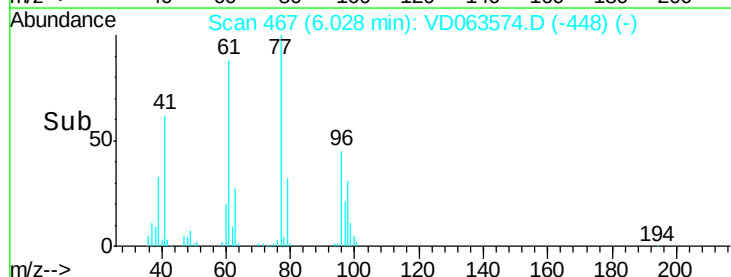
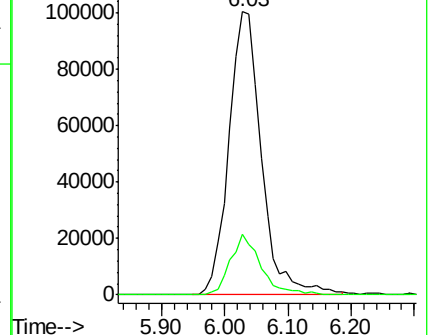
77 100

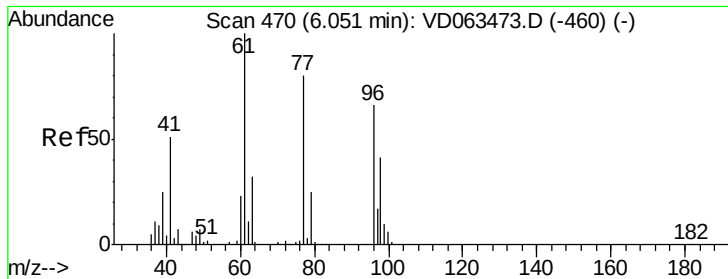
97 21.3 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



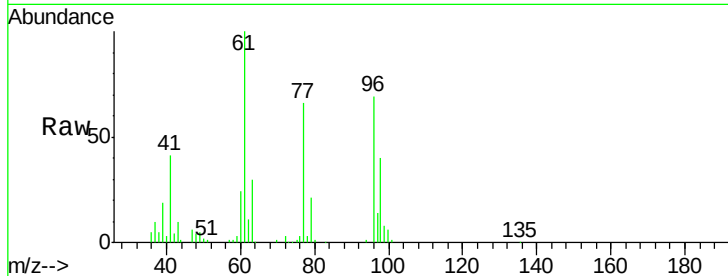


#27

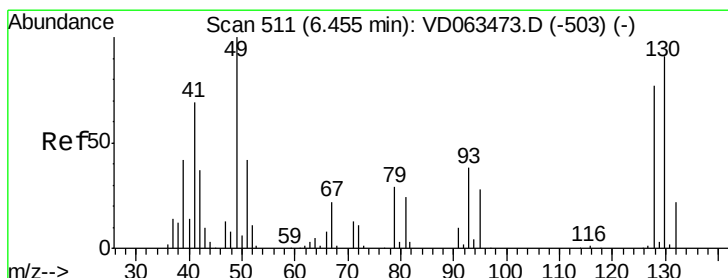
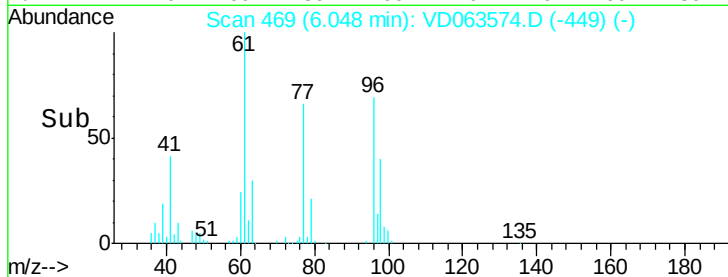
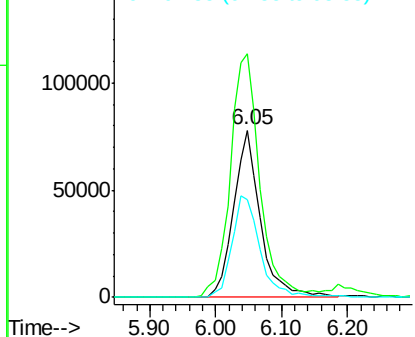
cis-1,2-Dichloroethene
 Concen: 21.233 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion: 96 Resp: 223511
 Ion Ratio Lower Upper
 96 100
 61 145.5 0.0 304.0
 98 58.7 0.0 124.8



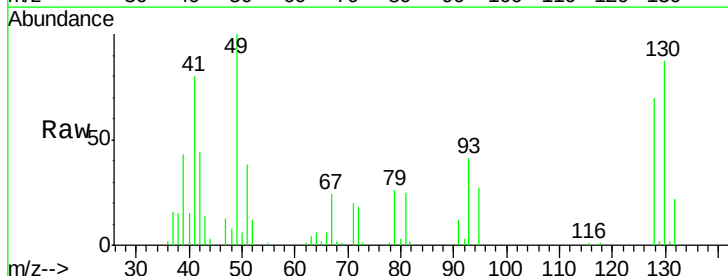
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



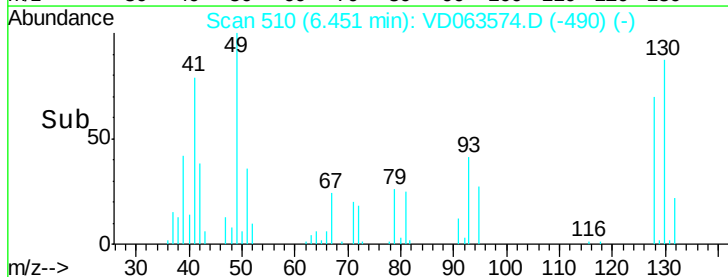
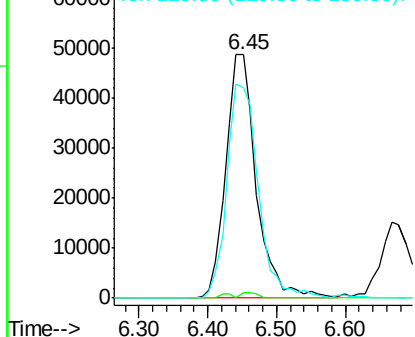
#28

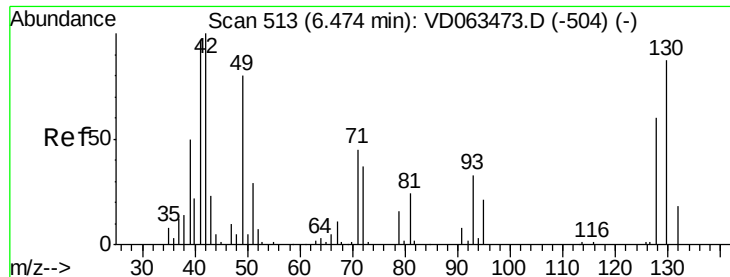
Bromochloromethane
 Concen: 20.963 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion: 49 Resp: 149455
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 6.4
 130 86.6 72.4 108.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 107.957 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

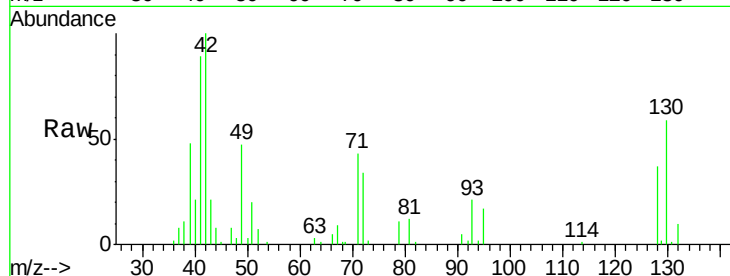
Tot Ion: 42 Resp: 122154

Ion Ratio Lower Upper

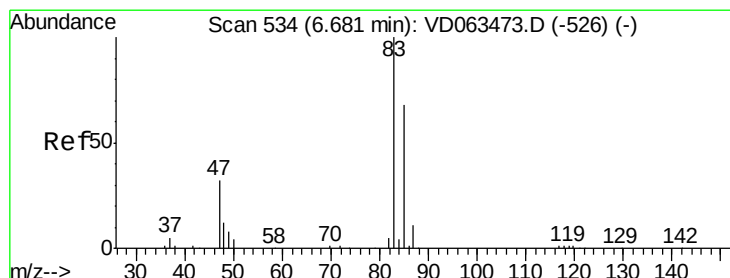
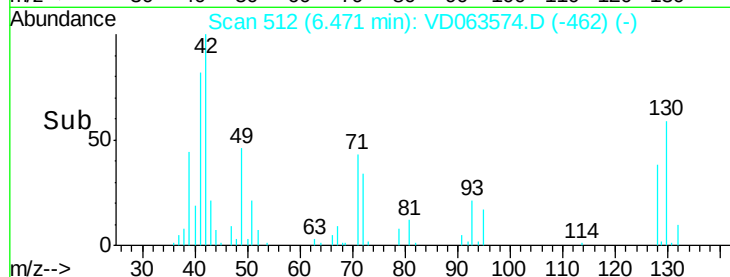
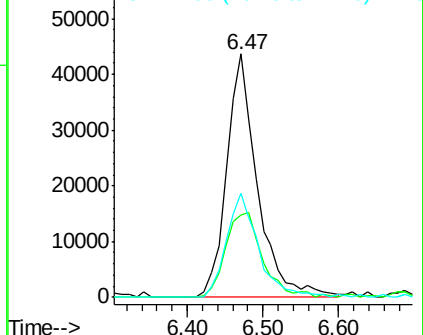
42 100

72 42.2 31.5 47.3

71 44.6 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.933 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063574.D

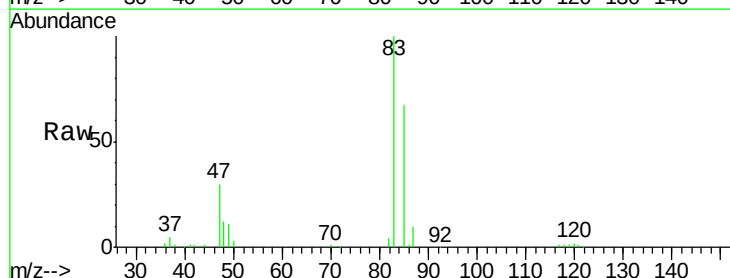
Acq: 14 Aug 2019 15:22

Tgt Ion: 83 Resp: 435838

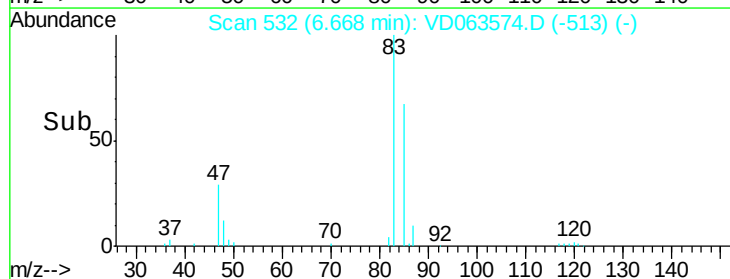
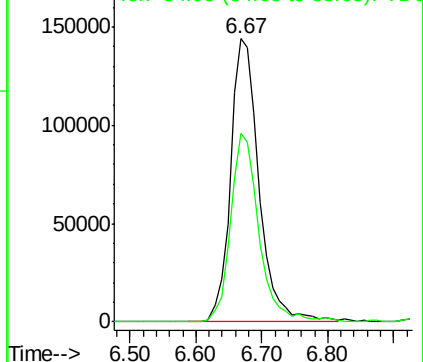
Ion Ratio Lower Upper

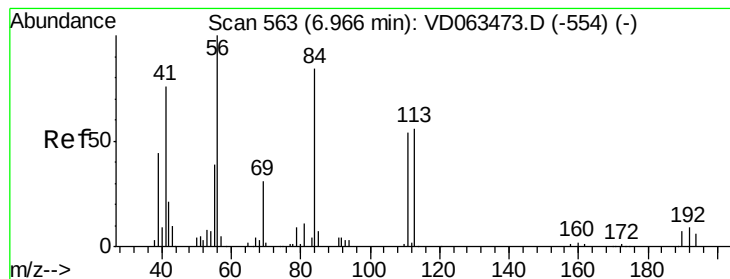
83 100

85 66.6 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 22.204 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

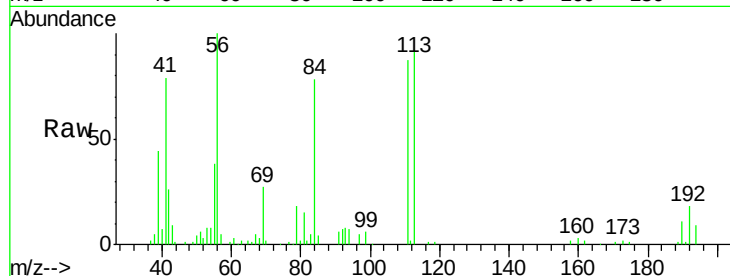
Tot Ion: 56 Resp: 242490

Ion Ratio Lower Upper

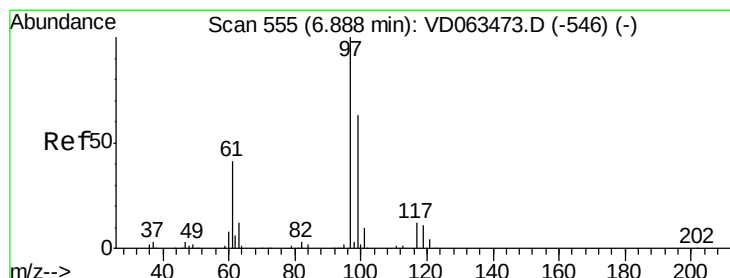
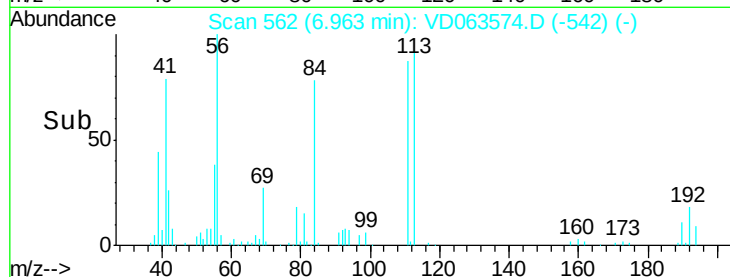
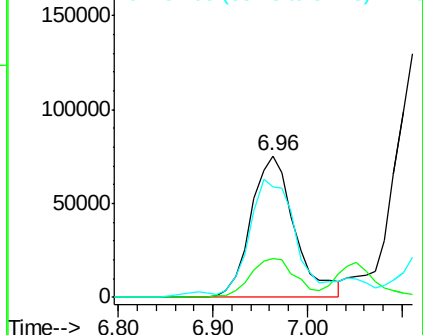
56 100

69 27.3 25.0 37.6

84 78.1 69.7 104.5



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.088 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

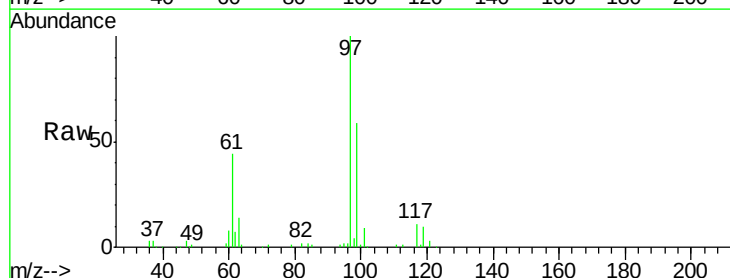
Tgt Ion: 97 Resp: 420165

Ion Ratio Lower Upper

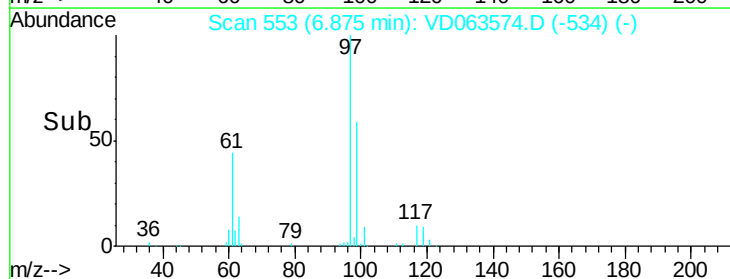
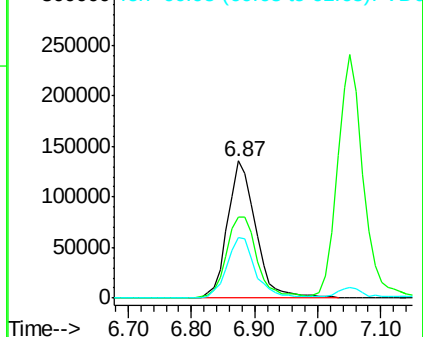
97 100

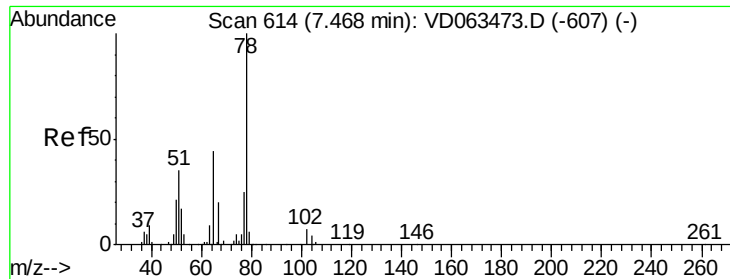
99 59.0 50.2 75.4

61 44.0 33.1 49.7



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

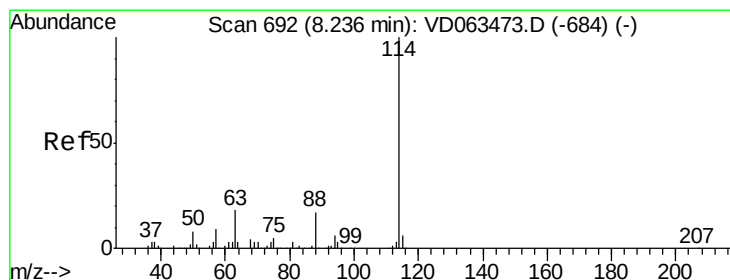
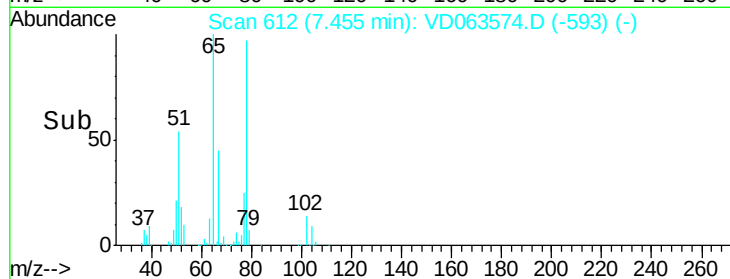
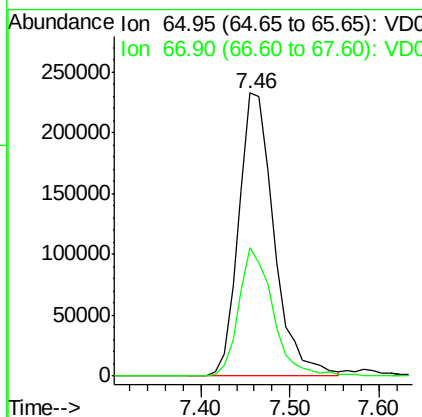
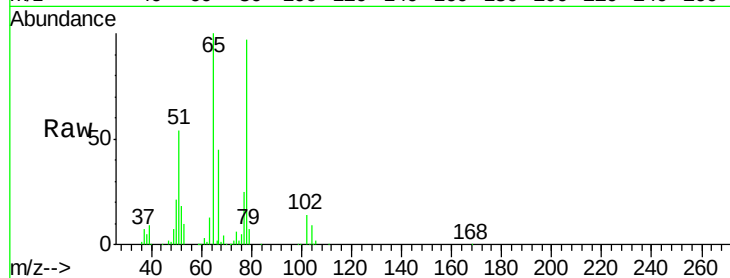




#33
 1,2-Dichloroethane-d4
 Concen: 52.955 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

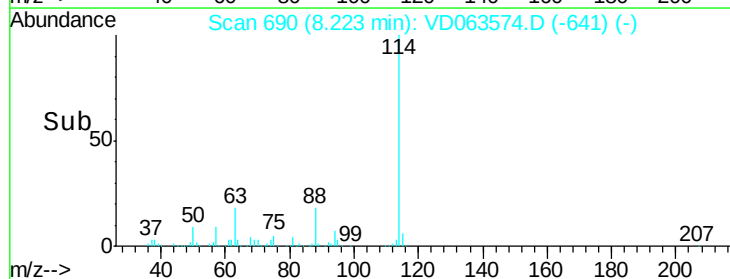
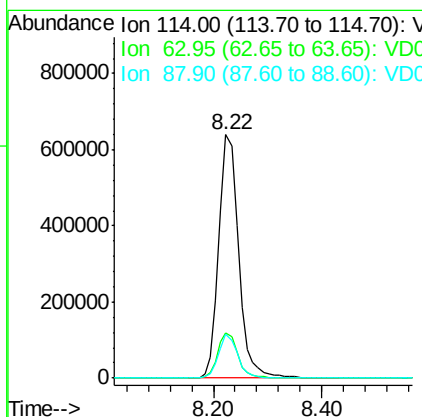
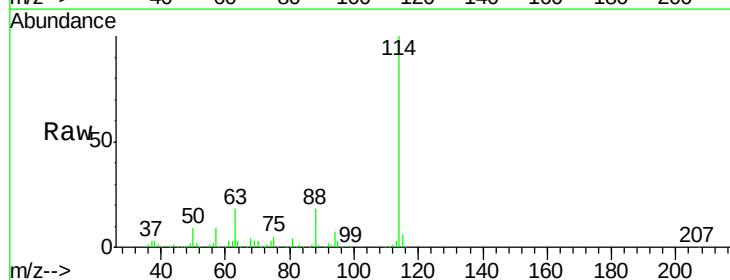
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

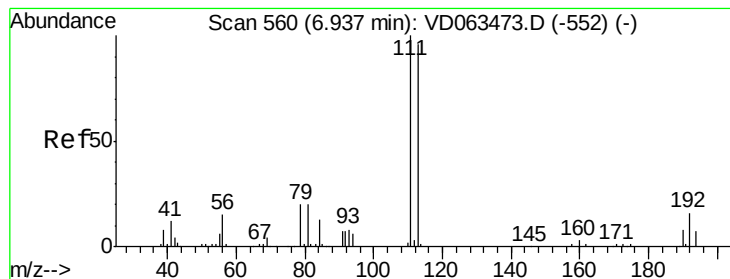
Tot Ion: 65 Resp: 640482
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion: 114 Resp: 1632584
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 18.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 51.818 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

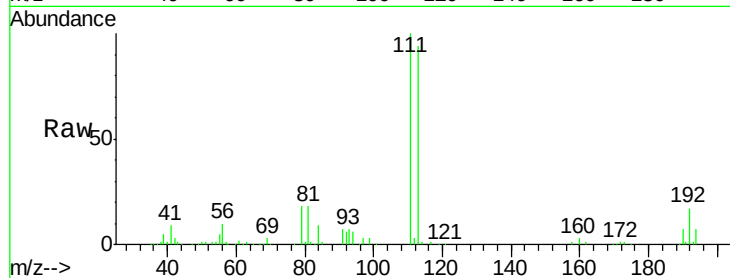
Tot Ion:113 Resp: 712482

Ion Ratio Lower Upper

113 100

111 106.8 83.1 124.7

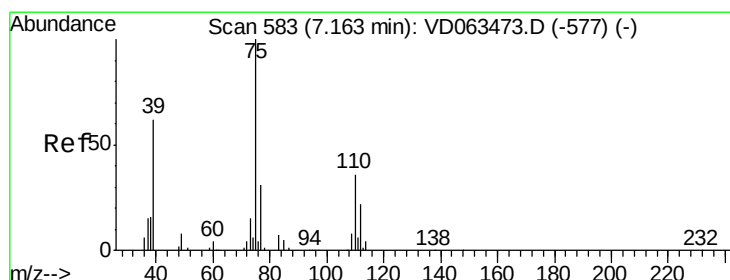
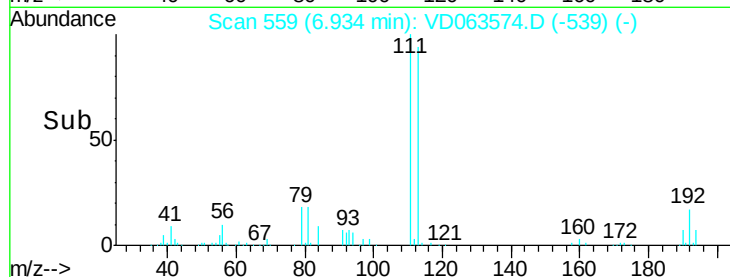
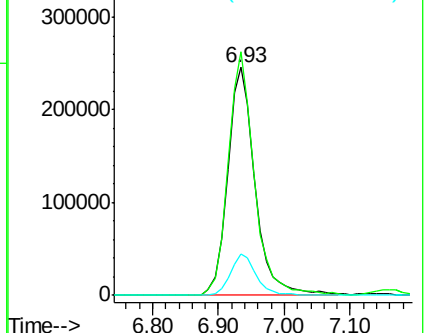
192 18.1 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.072 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

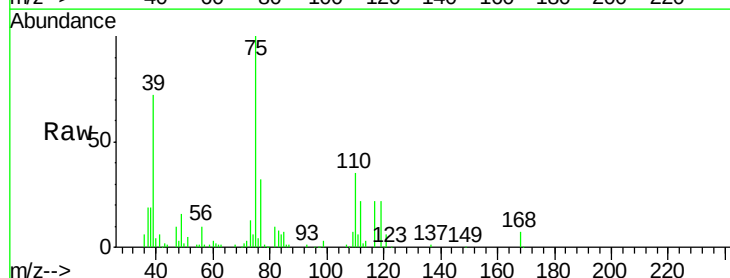
Tgt Ion: 75 Resp: 289686

Ion Ratio Lower Upper

75 100

110 34.6 17.6 52.8

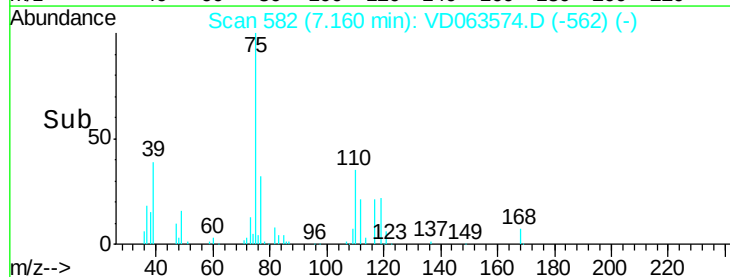
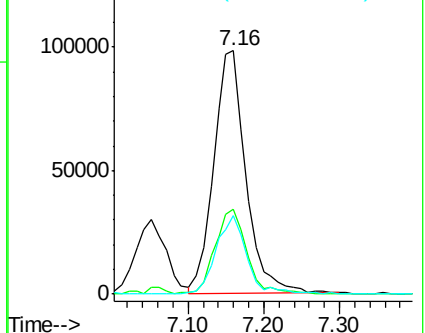
77 32.2 24.3 36.5

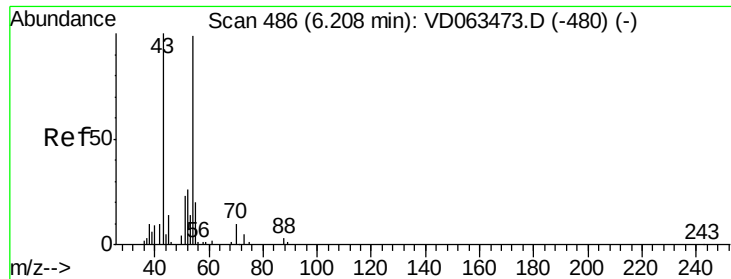


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

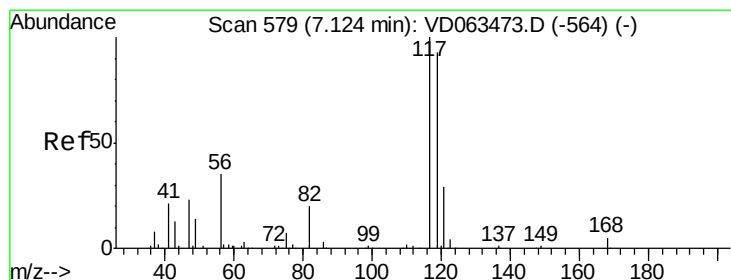
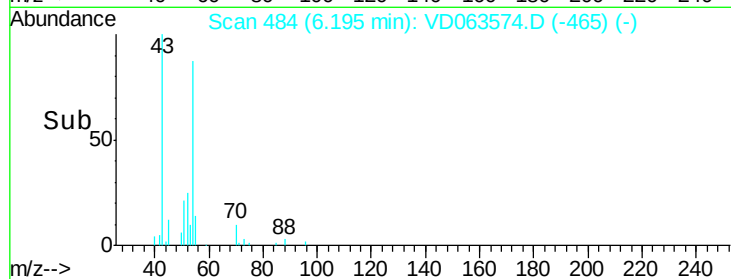
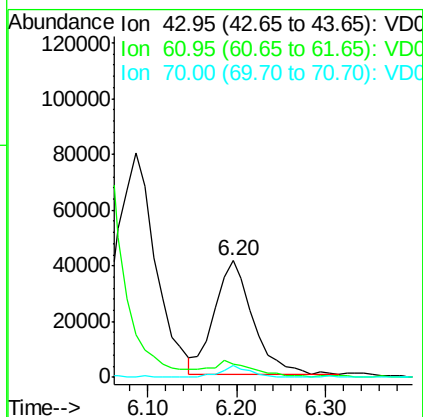
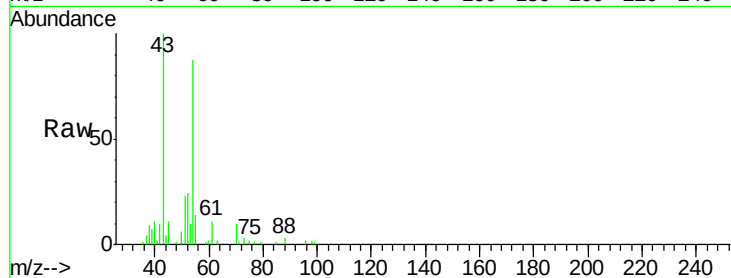




#37
Ethyl Acetate
Concen: 20.634 ug/l
RT: 6.20 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

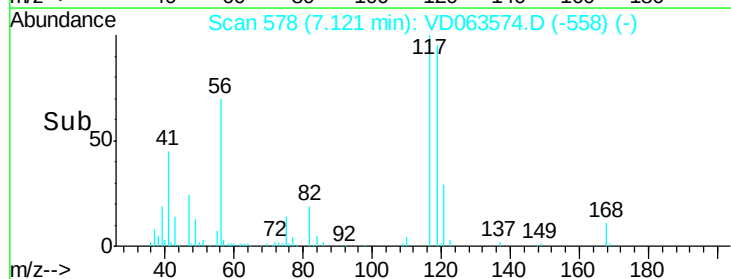
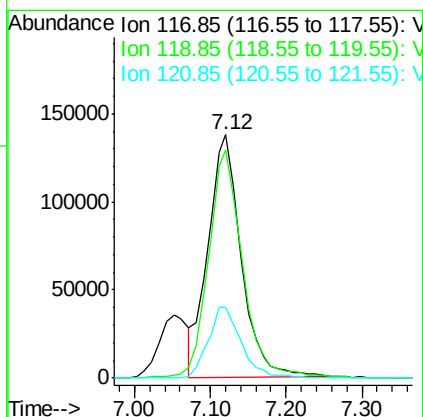
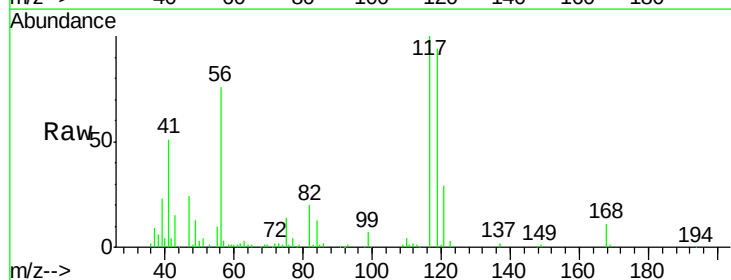
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

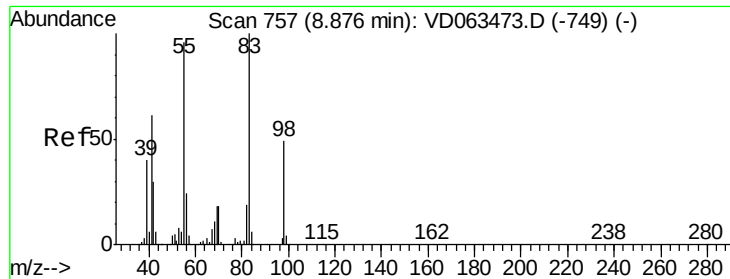
Tot Ion: 43 Resp: 124789
Ion Ratio Lower Upper
43 100
61 11.0 9.0 13.6
70 10.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.407 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 117 Resp: 422128
Ion Ratio Lower Upper
117 100
119 93.9 74.2 111.2
121 29.1 23.1 34.7

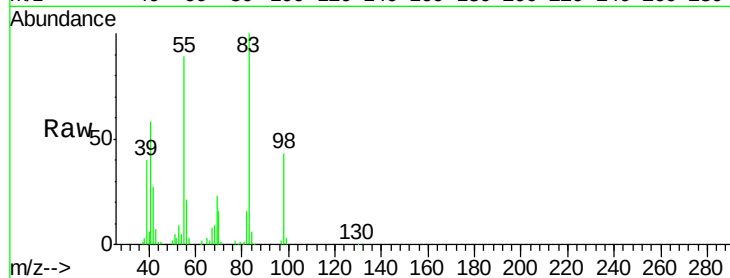




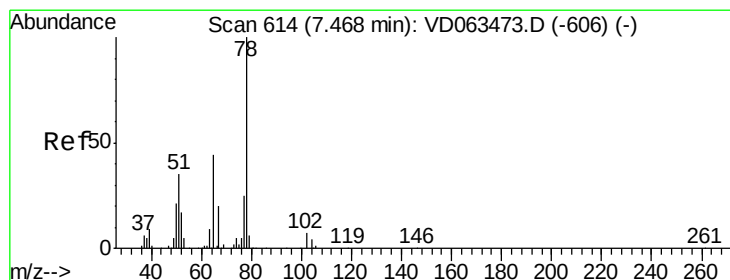
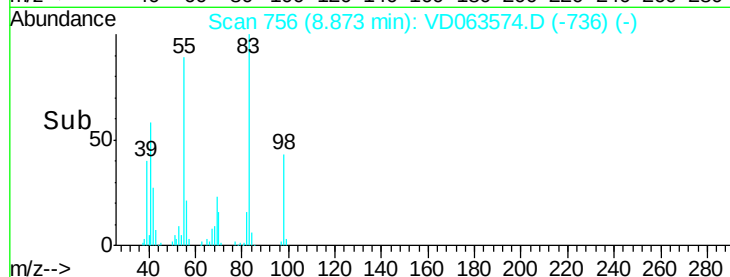
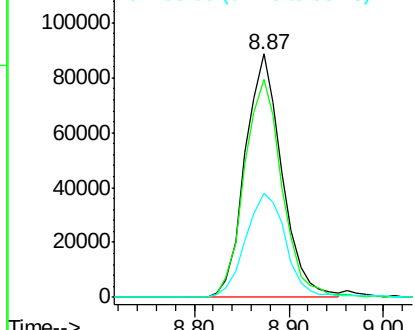
#39
Methylvlcyclohexane
Concen: 19.521 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion: 83 Resp: 239573
Ion Ratio Lower Upper
83 100
55 89.5 76.6 114.8
98 42.8 39.4 59.0

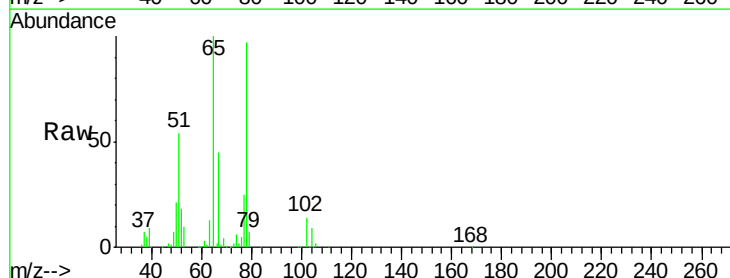


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

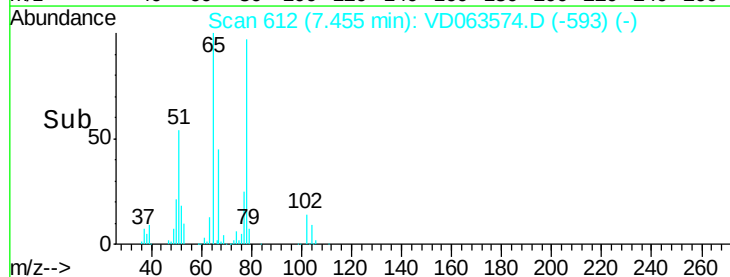
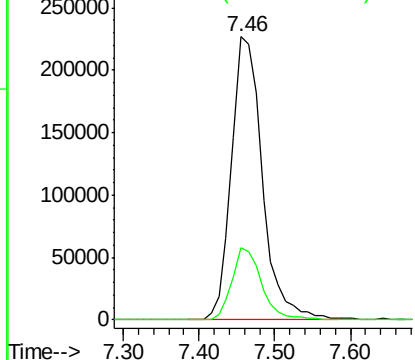


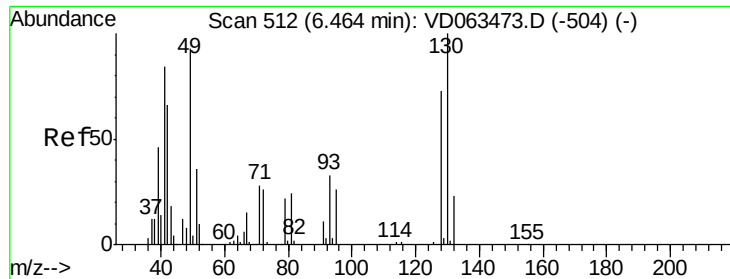
#40
Benzene
Concen: 20.176 ug/l
RT: 7.46 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 78 Resp: 640791
Ion Ratio Lower Upper
78 100
77 25.4 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

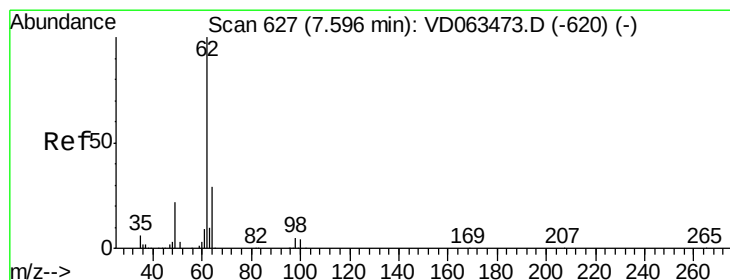
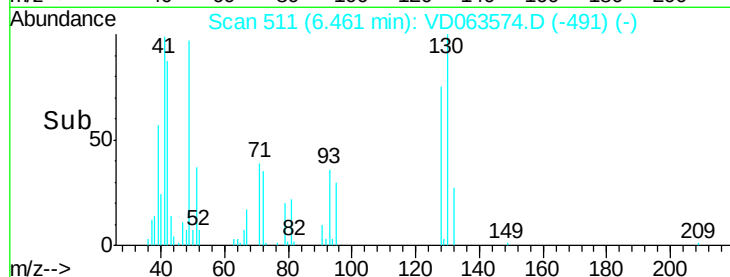
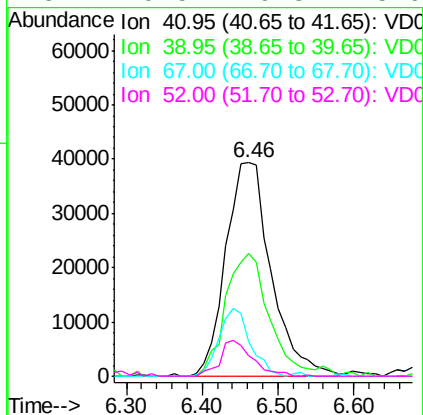
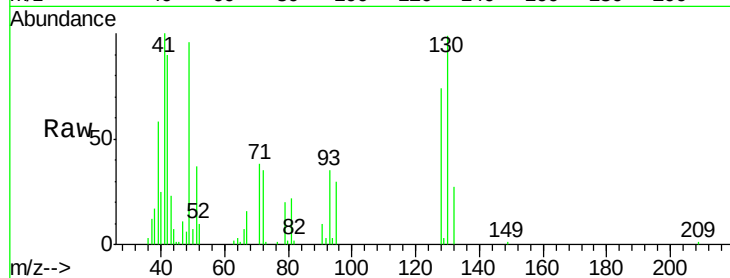




#41
Methacrylonitrile
Concen: 21.500 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

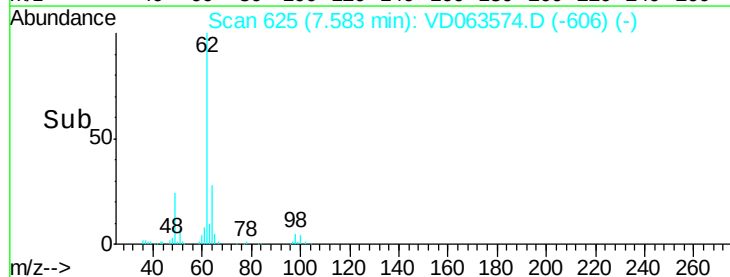
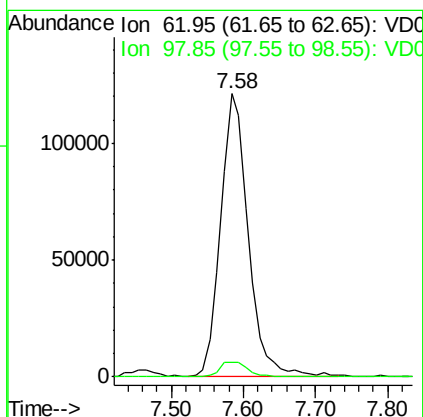
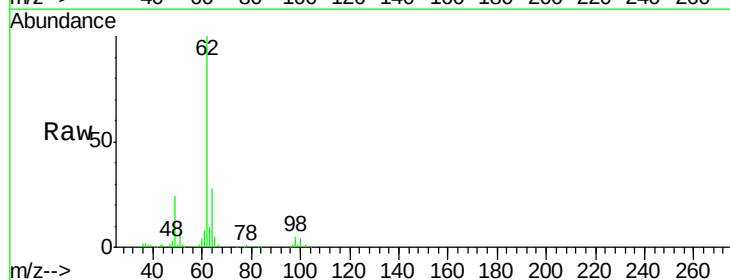
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

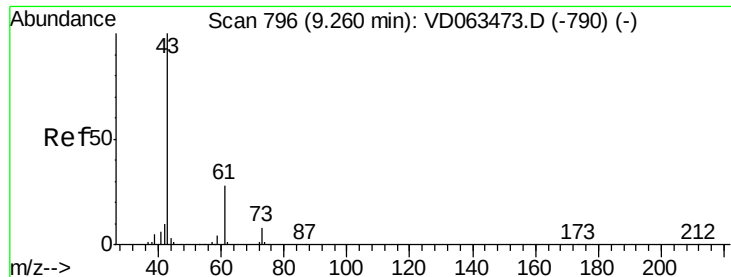
Tot Ion: 41 Resp: 163713
Ion Ratio Lower Upper
41 100
39 57.6 44.6 66.8
67 16.3 14.4 21.6
52 9.5 9.3 13.9



#42
1,2-Dichloroethane
Concen: 20.204 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 62 Resp: 322661
Ion Ratio Lower Upper
62 100
98 5.1 0.0 10.4





#43

Isopropyl Acetate

Concen: 21.130 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

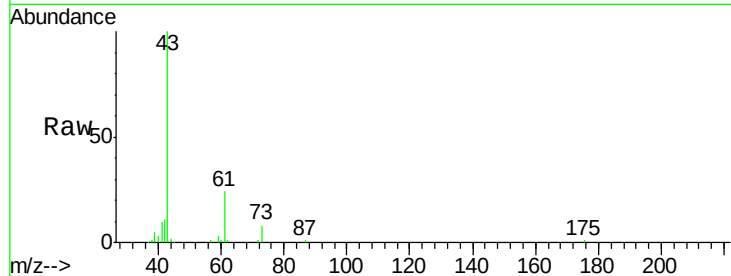
Tot Ion: 43 Resp: 171146

Ion Ratio Lower Upper

43 100

61 23.9 22.2 33.2

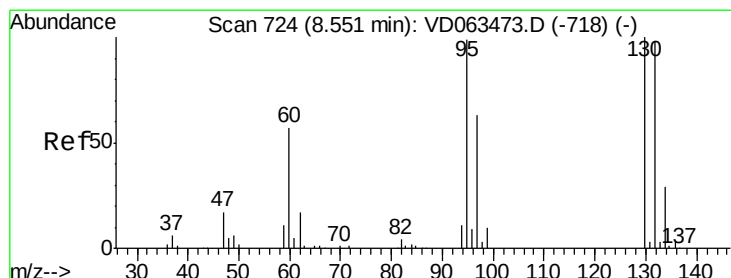
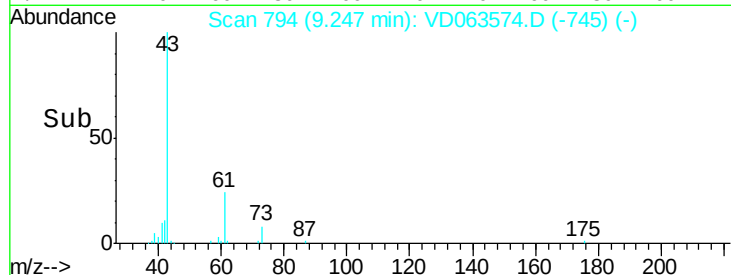
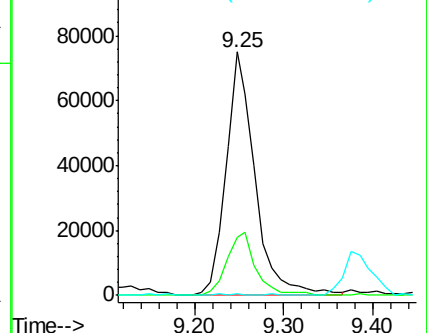
87 0.5 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.981 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063574.D

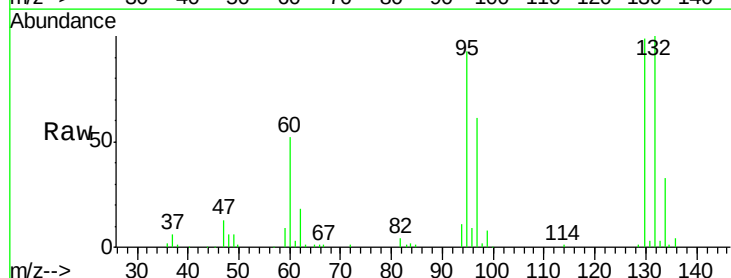
Acq: 14 Aug 2019 15:22

Tgt Ion: 130 Resp: 242565

Ion Ratio Lower Upper

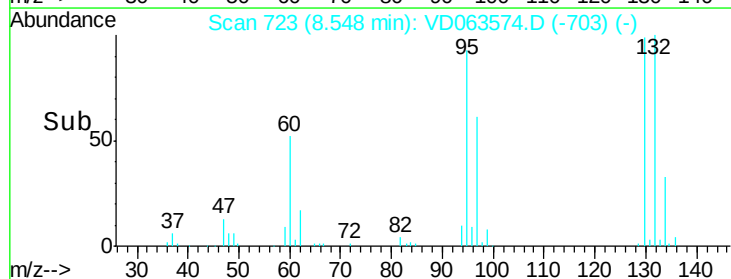
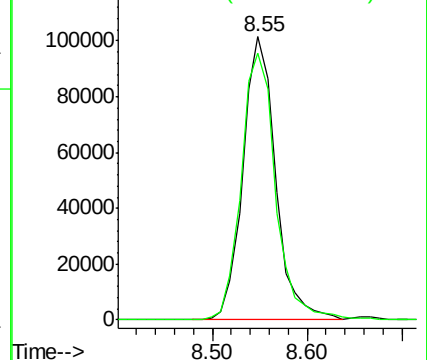
130 100

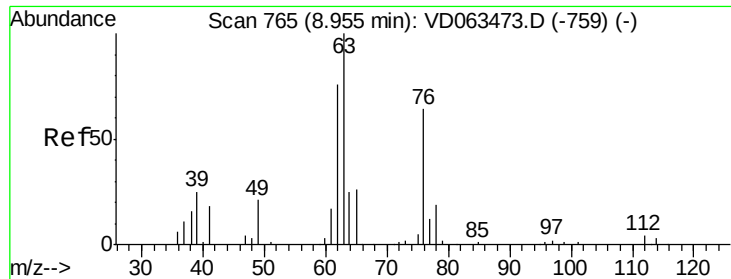
95 94.4 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.535 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

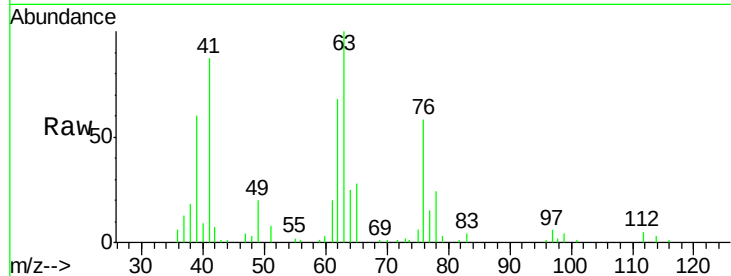
VD0814SBSD01

Tot Ion: 63 Resp: 144488

Ion Ratio Lower Upper

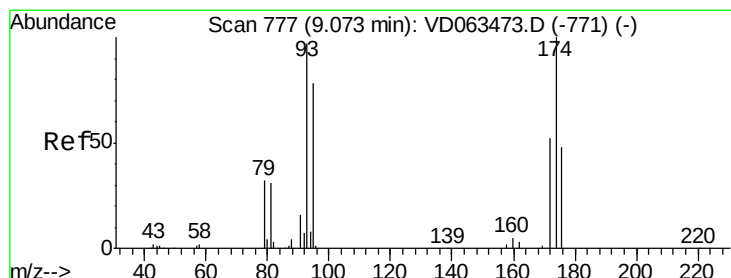
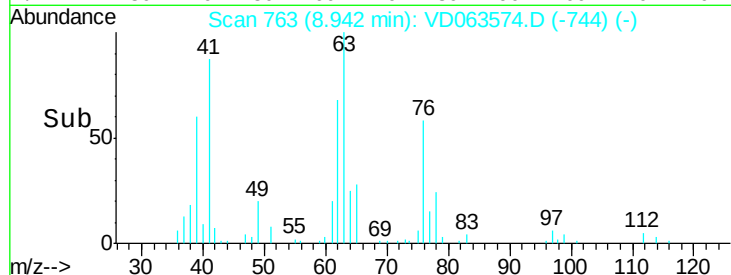
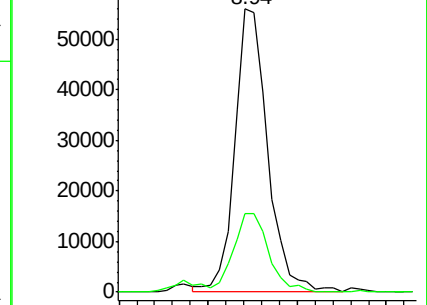
63 100

65 27.9 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.215 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

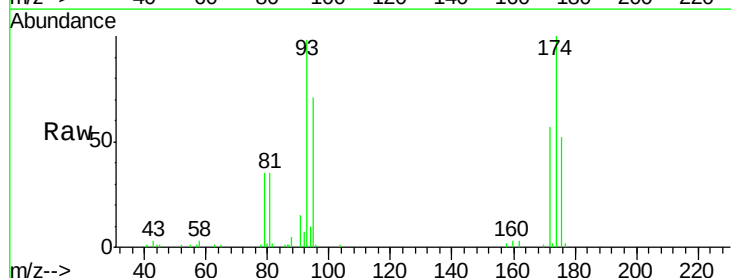
Tgt Ion: 93 Resp: 127685

Ion Ratio Lower Upper

93 100

95 72.9 64.2 96.2

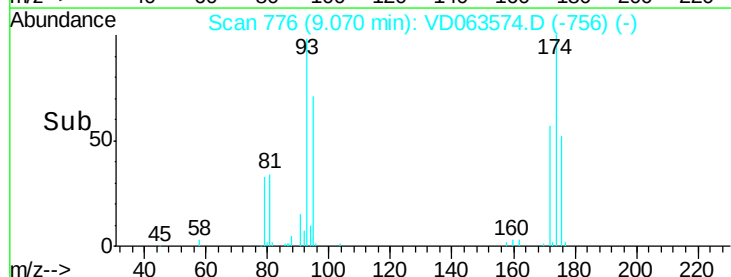
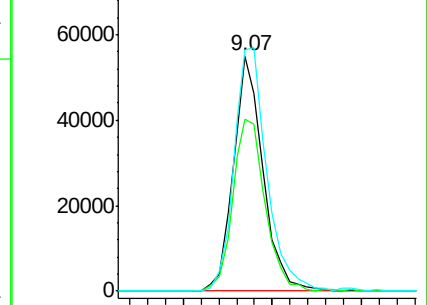
174 102.4 82.1 123.1

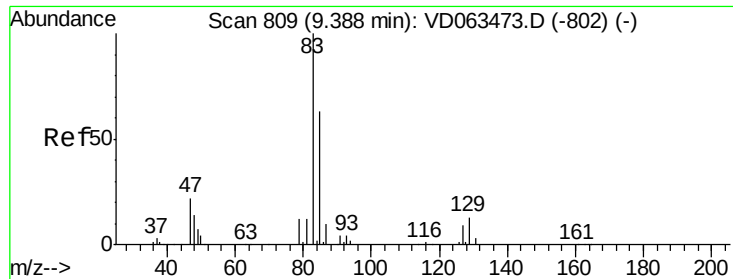


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.386 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

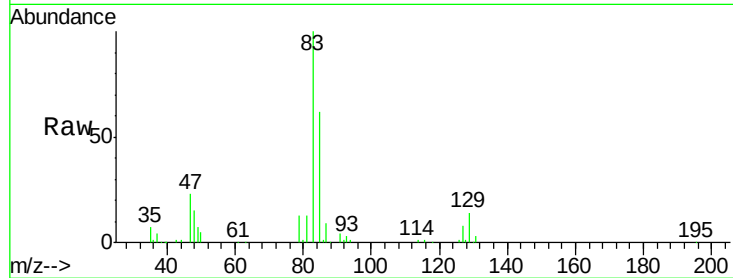
Tot Ion: 83 Resp: 330288

Ion Ratio Lower Upper

83 100

85 62.2 50.1 75.1

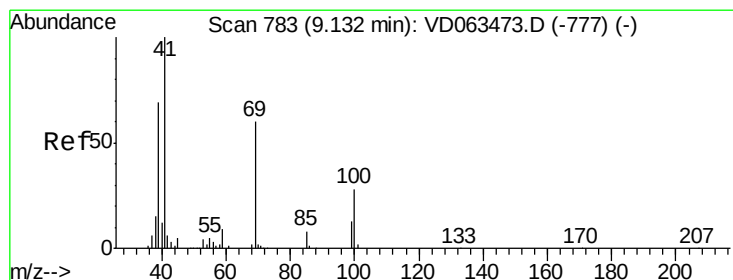
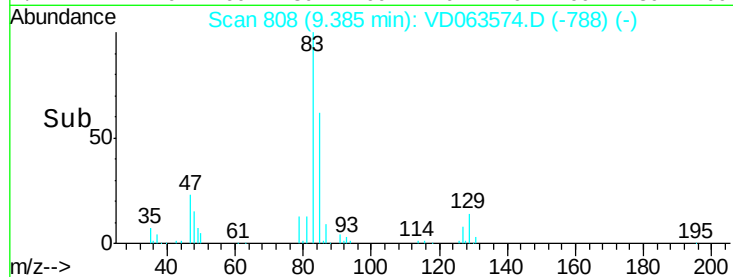
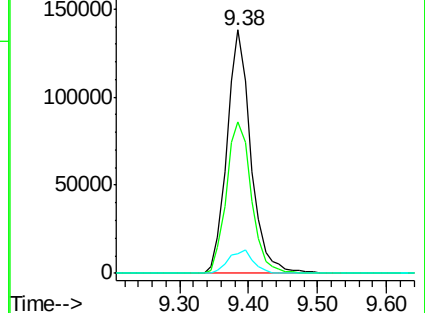
127 8.2 7.6 11.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.586 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

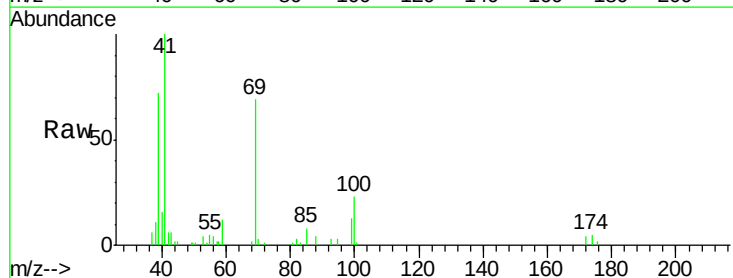
Tgt Ion: 41 Resp: 113079

Ion Ratio Lower Upper

41 100

69 69.3 47.6 71.4

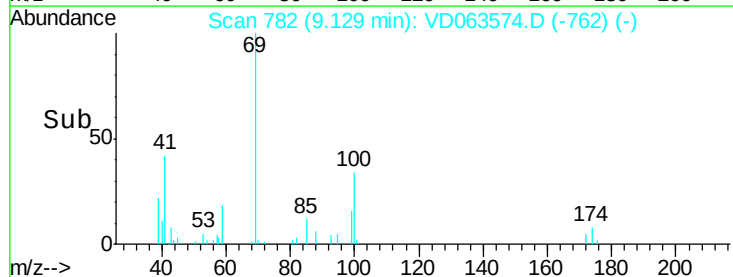
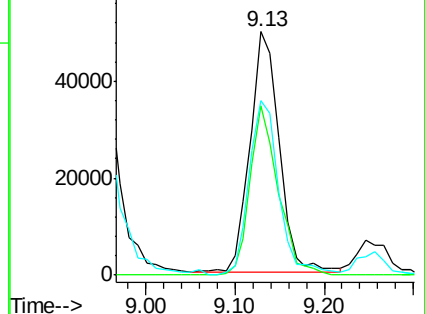
39 71.8 55.7 83.5

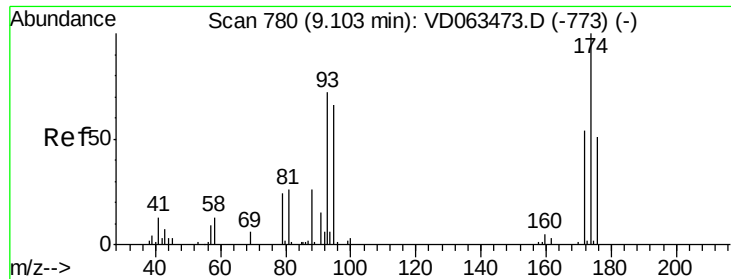


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 421.290 ug/l

RT: 9.09 min Scan# 778

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

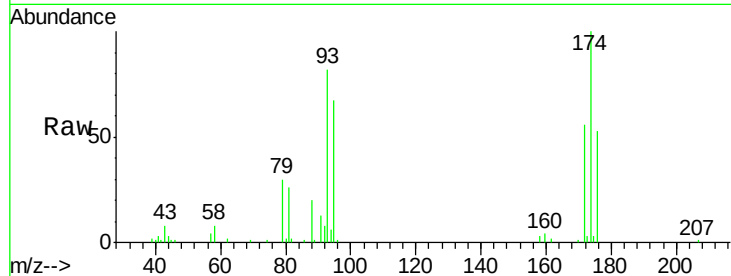
Tot Ion: 88 Resp: 19945

Ion Ratio Lower Upper

88 100

43 39.3 22.9 34.3#

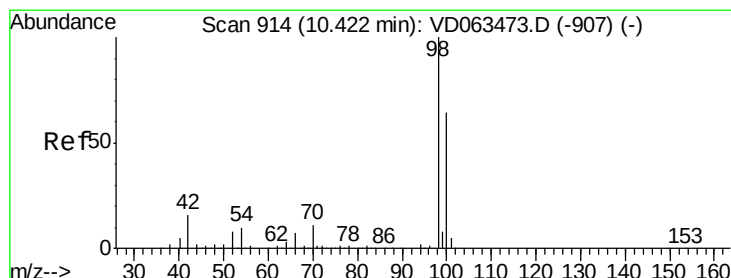
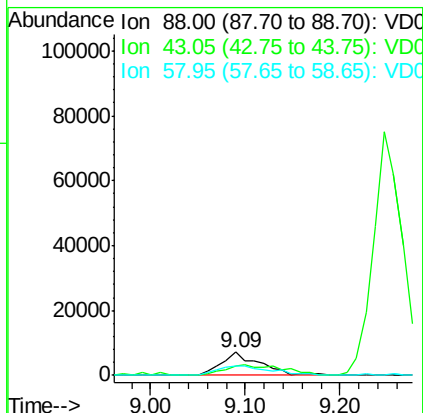
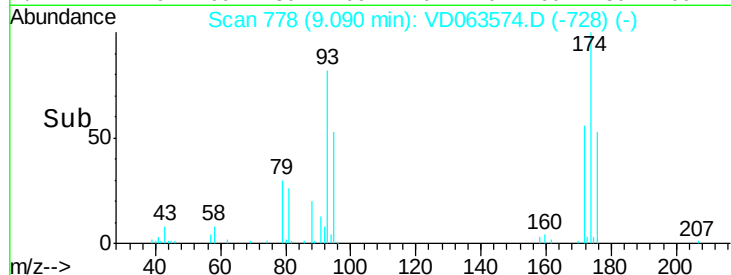
58 41.2 40.1 60.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 55.066 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063574.D

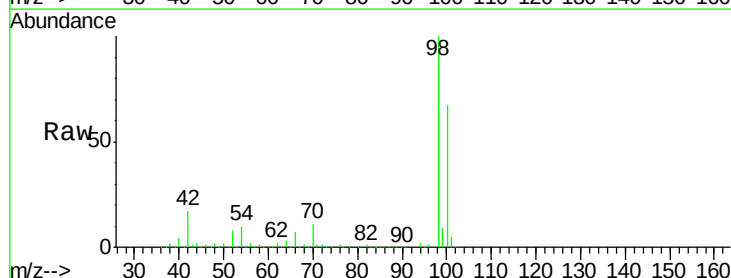
Acq: 14 Aug 2019 15:22

Tgt Ion: 98 Resp: 1664618

Ion Ratio Lower Upper

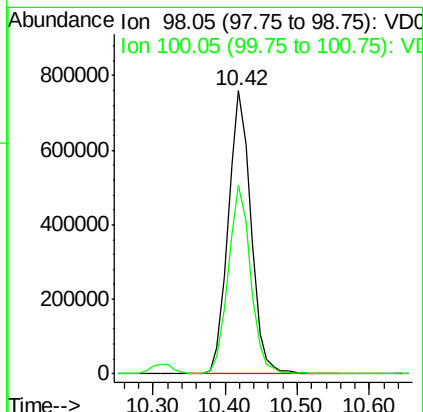
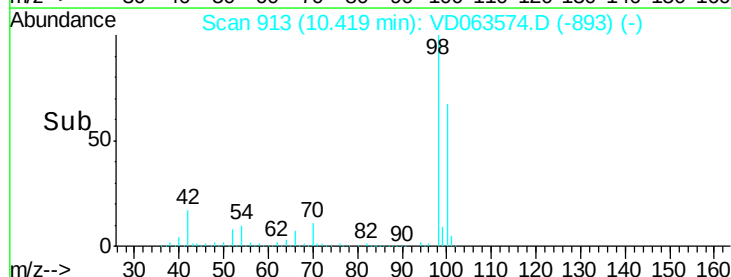
98 100

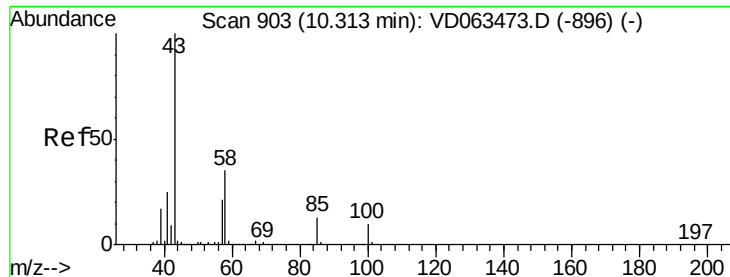
100 66.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

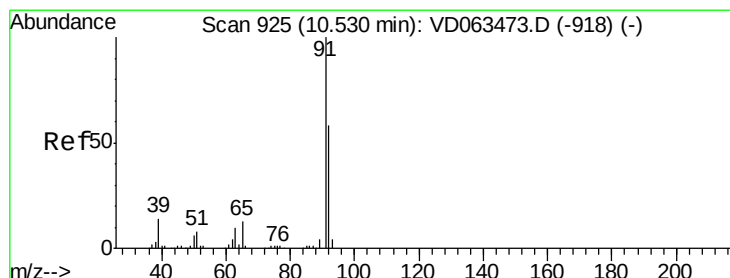
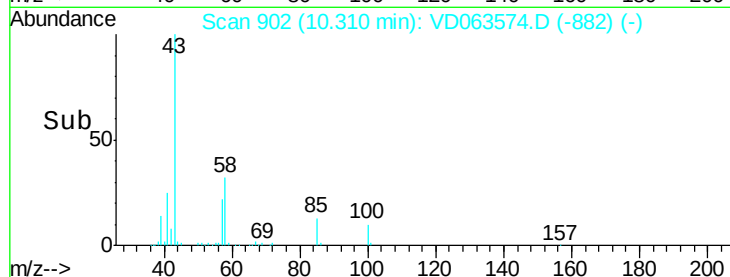
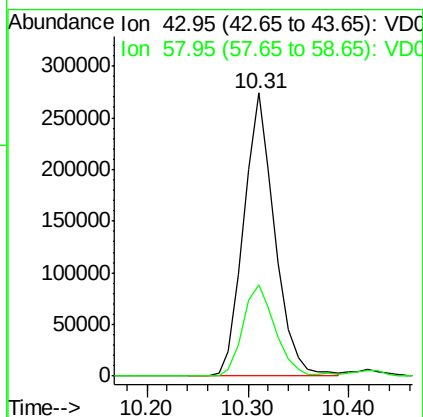
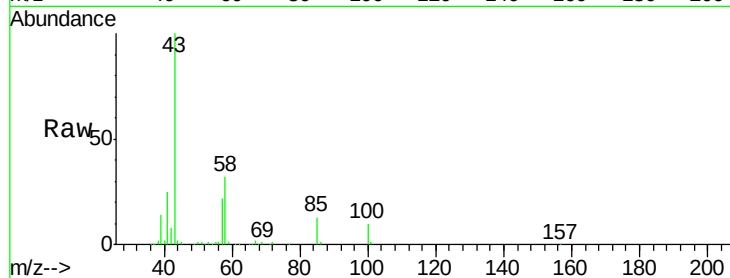




#51
4-Methyl-2-Pentanone
Concen: 105.881 ug/l
RT: 10.31 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

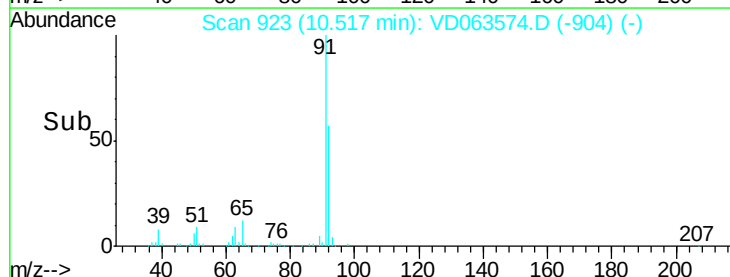
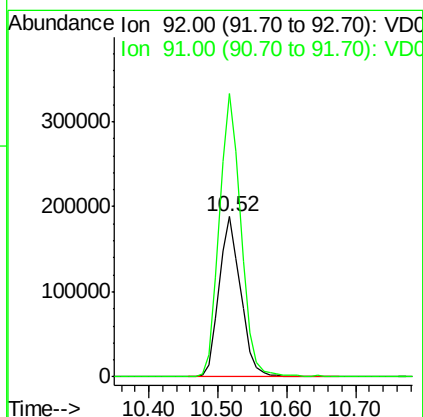
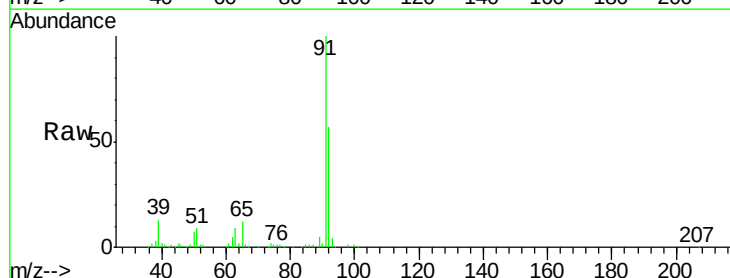
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

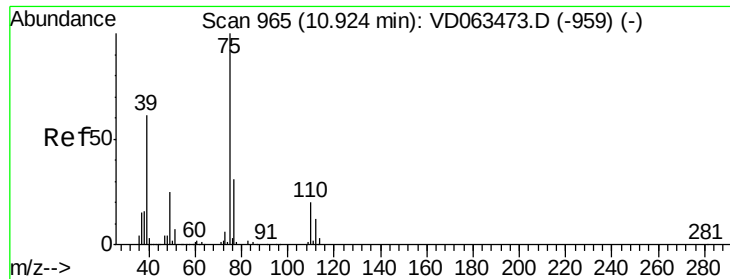
Tot Ion: 43 Resp: 586833
Ion Ratio Lower Upper
43 100
58 32.4 28.0 42.0



#52
Toluene
Concen: 20.113 ug/l
RT: 10.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 92 Resp: 411458
Ion Ratio Lower Upper
92 100
91 176.7 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 21.392 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

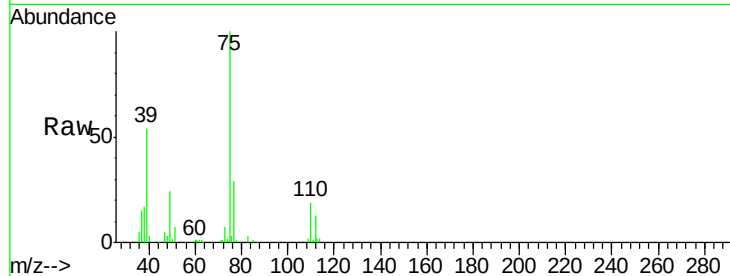
VD0814SBS01

Tot Ion: 75 Resp: 282858

Ion Ratio Lower Upper

75 100

77 28.8 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

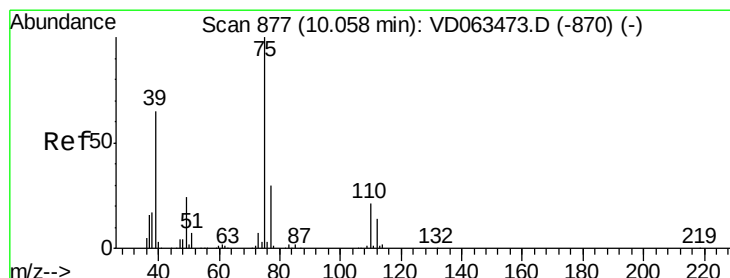
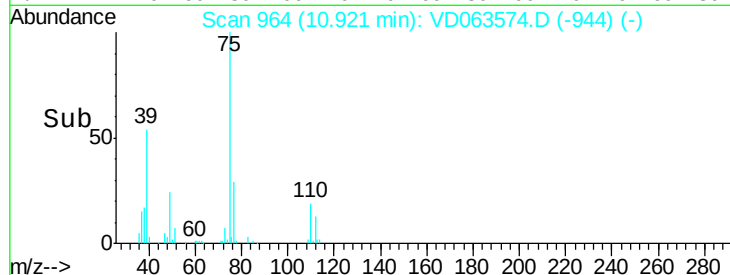
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 19.900 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

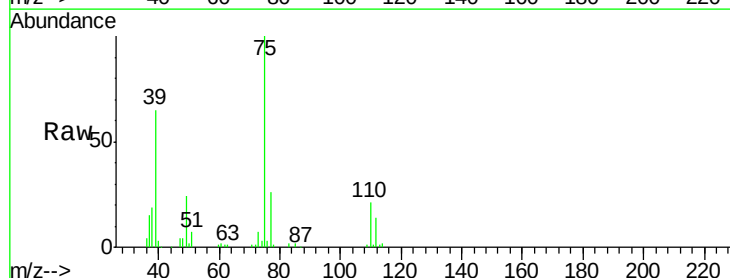
Tgt Ion: 75 Resp: 296696

Ion Ratio Lower Upper

75 100

77 26.3 23.7 35.5

39 64.7 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

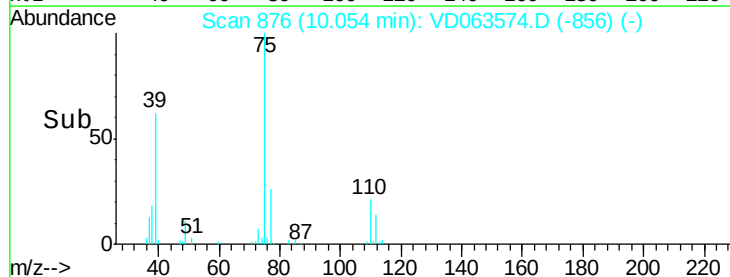
150000

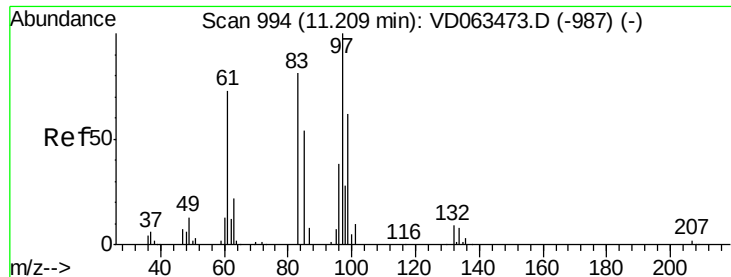
100000

50000

0

Time--> 9.90 10.00 10.10 10.20

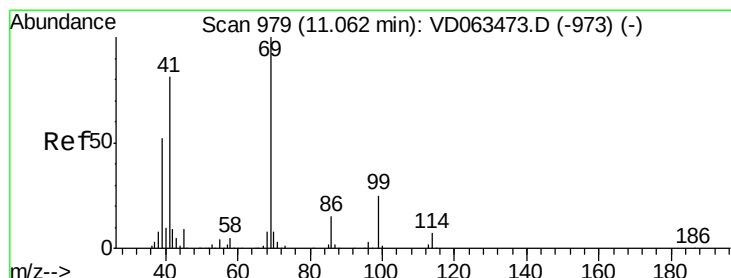
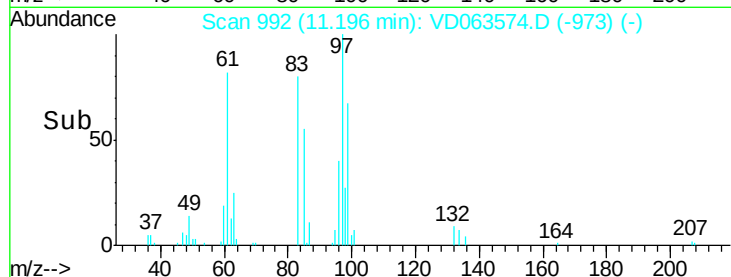
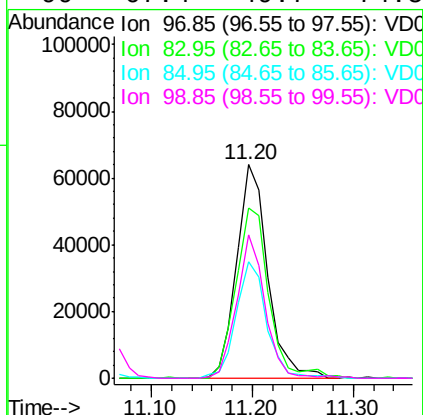
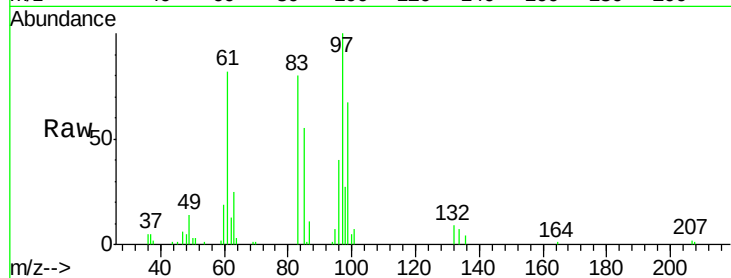




#55
 1,1,2-Trichloroethane
 Concen: 19.863 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

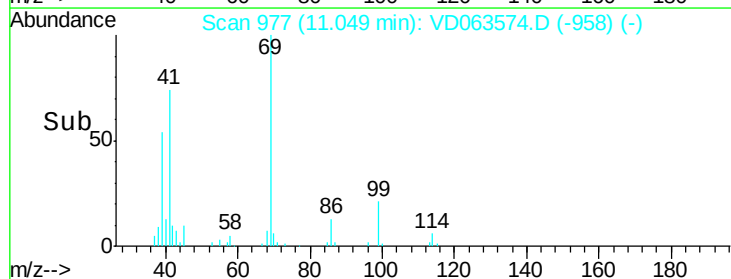
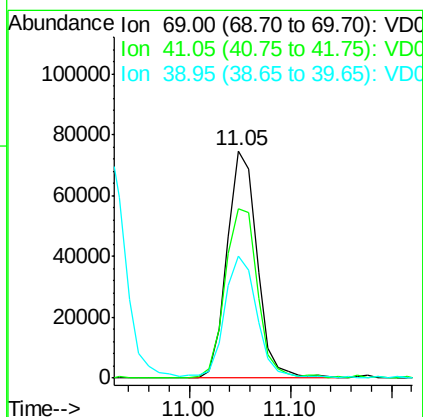
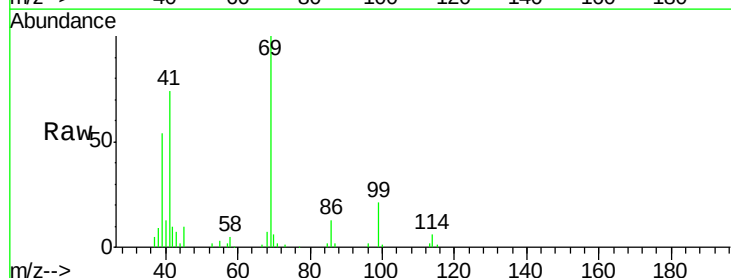
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

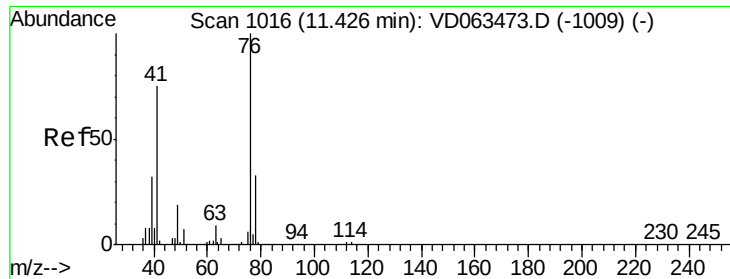
Tot Ion:	97	Resp:	137261
Ion	Ratio	Lower	Upper
97	100		
83	80.0	64.7	97.1
85	54.7	42.9	64.3
99	67.4	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 20.634 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion:	69	Resp:	154764
Ion	Ratio	Lower	Upper
69	100		
41	74.4	64.8	97.2
39	53.7	42.4	63.6





#57

1,3-Dichloropropane

Concen: 20.516 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

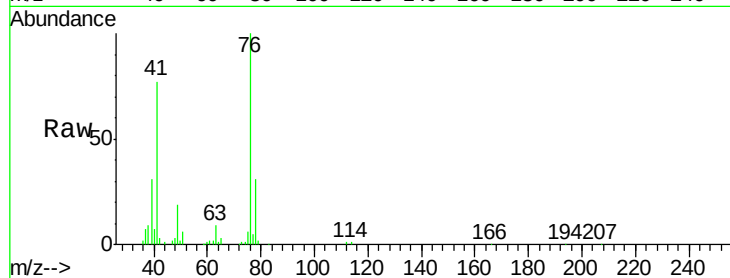
VD0814SBSD01

Tot Ion: 76 Resp: 214297

Ion Ratio Lower Upper

76 100

78 30.8 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

120000

100000

80000

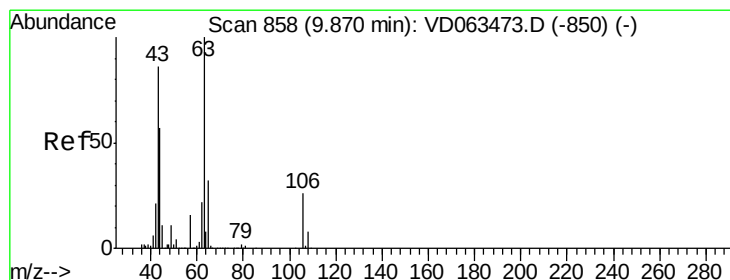
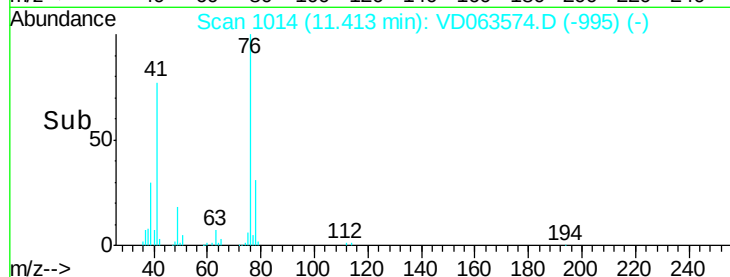
60000

40000

20000

0

Time--> 11.30 11.40 11.50 11.60



#58

2-Chloroethyl Vinyl ether

Concen: 96.721 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063574.D

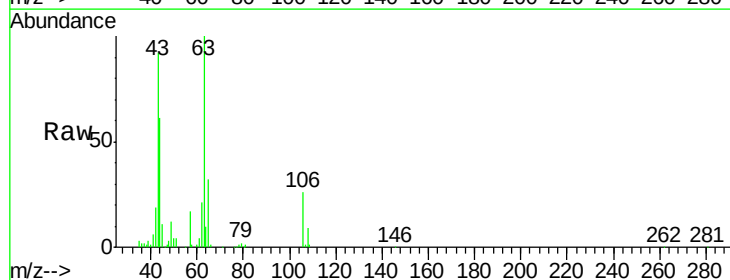
Acq: 14 Aug 2019 15:22

Tgt Ion: 63 Resp: 382985

Ion Ratio Lower Upper

63 100

106 26.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

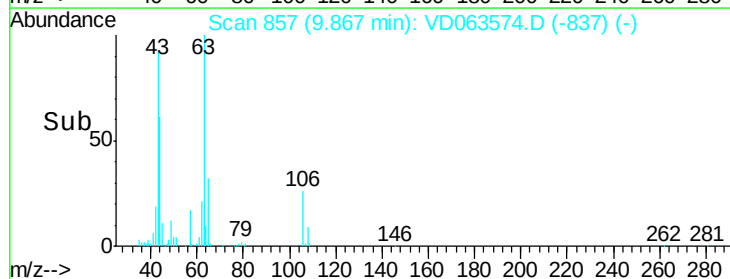
150000

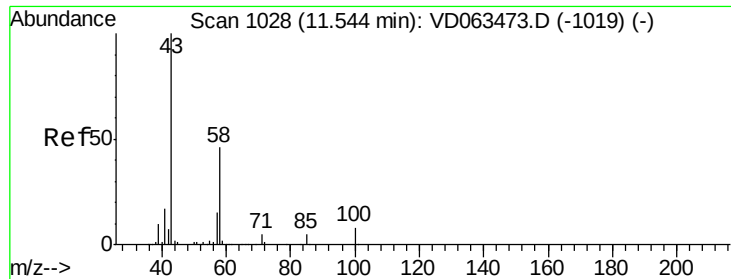
100000

50000

0

Time--> 9.70 9.80 9.90 10.00

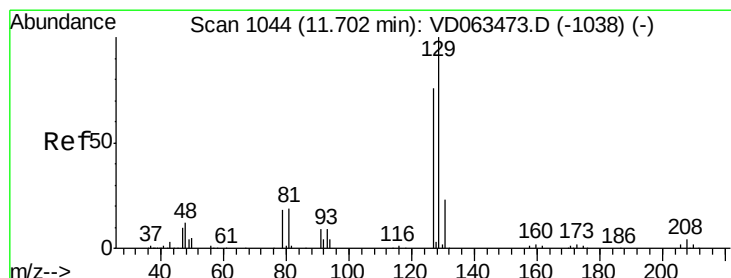
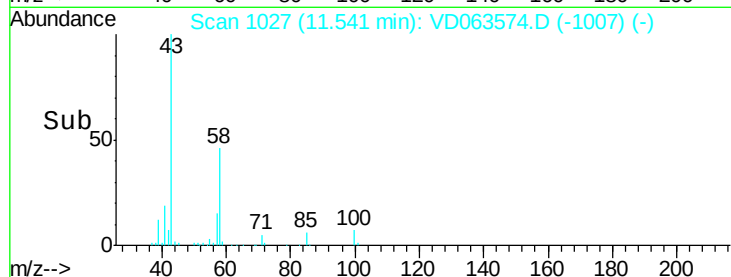
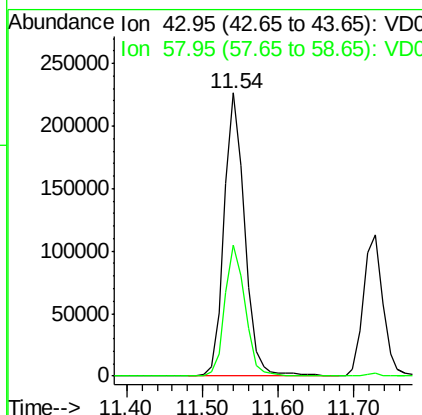
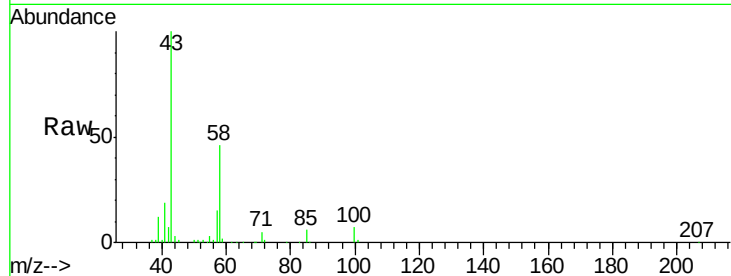




#59
2-Hexanone
Concen: 105.771 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

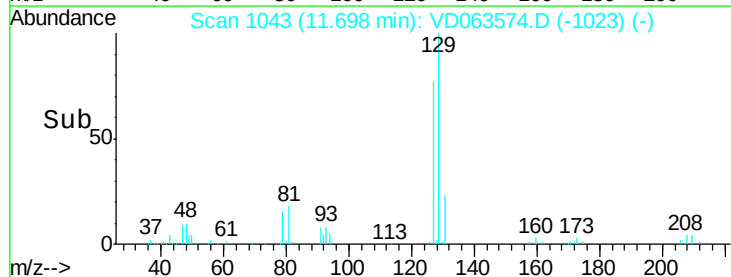
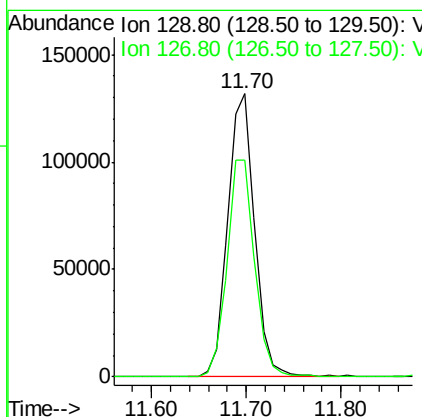
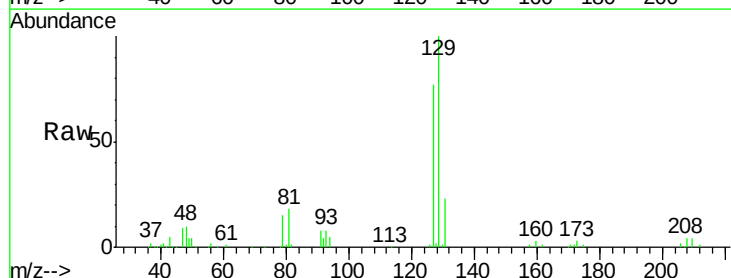
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

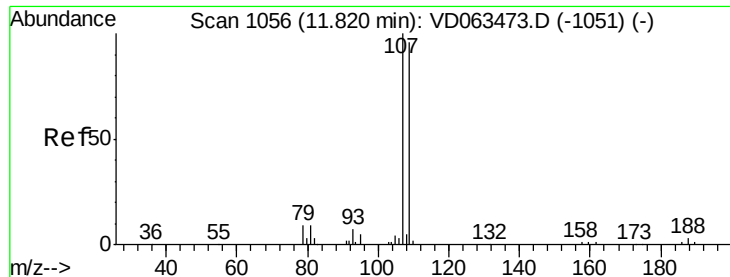
Tot Ion: 43 Resp: 426552
Ion Ratio Lower Upper
43 100
58 46.3 23.1 69.2



#60
Dibromochloromethane
Concen: 20.628 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 129 Resp: 259380
Ion Ratio Lower Upper
129 100
127 76.7 37.8 113.4

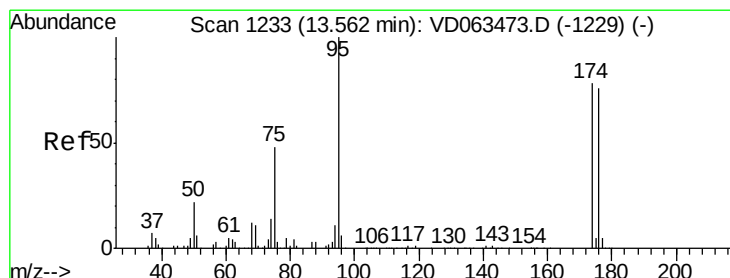
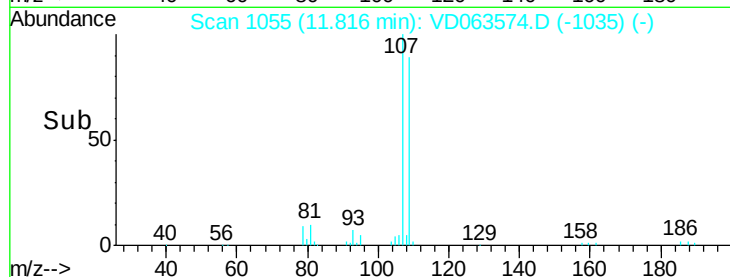
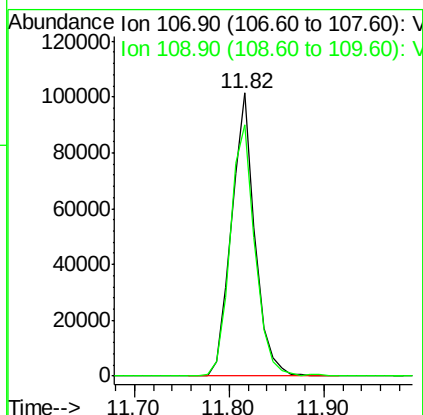
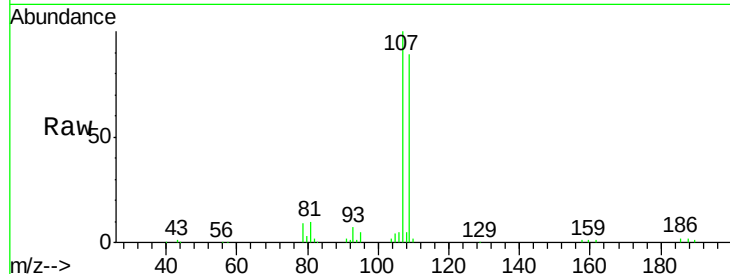




#61
 1,2-Dibromoethane
 Concen: 20.678 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

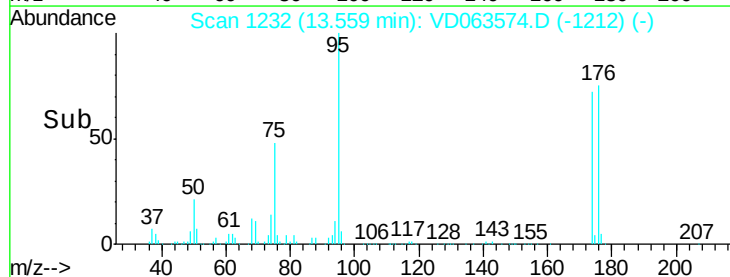
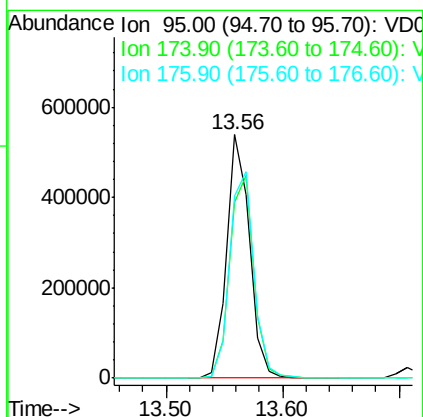
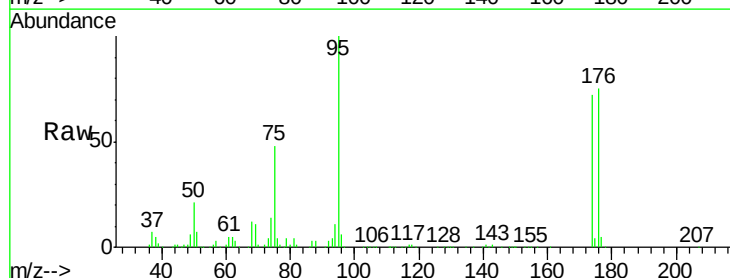
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

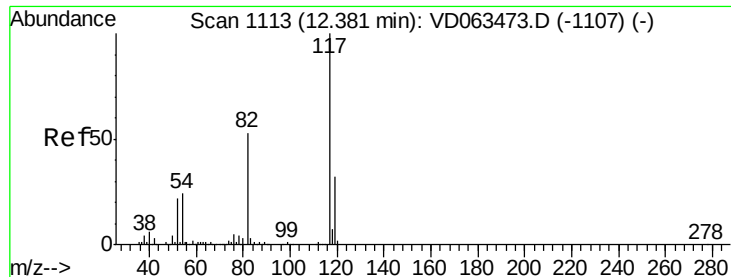
Tot Ion: 107 Resp: 172979
 Ion Ratio Lower Upper
 107 100
 109 88.9 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 53.426 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion: 95 Resp: 732008
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 155.4
 176 74.8 0.0 152.4

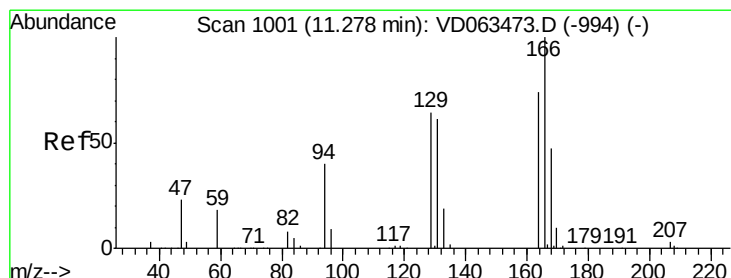
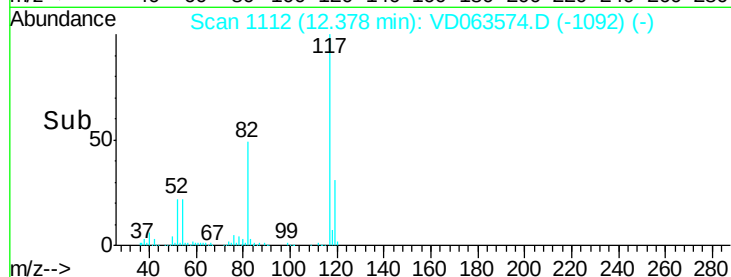
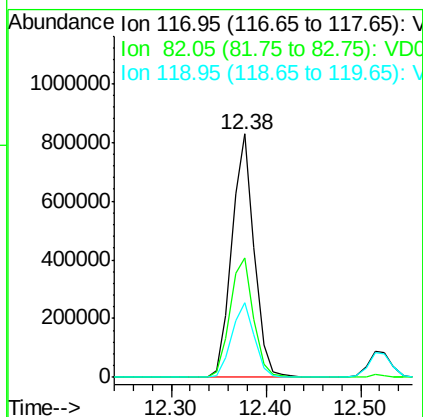
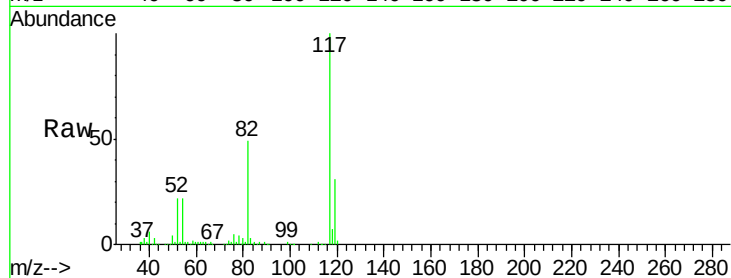




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

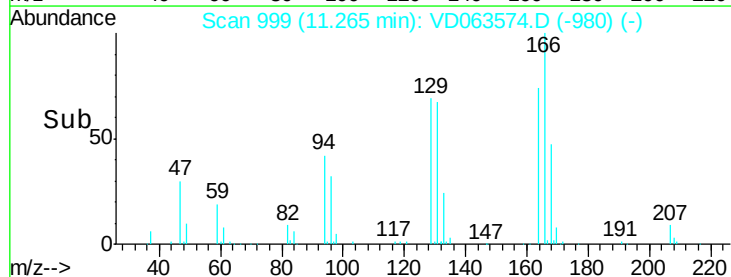
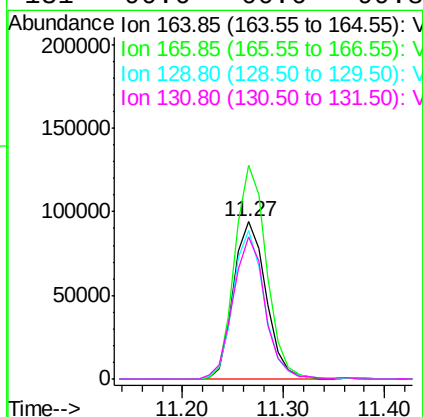
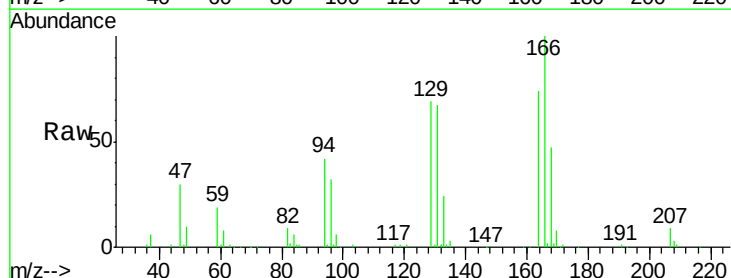
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

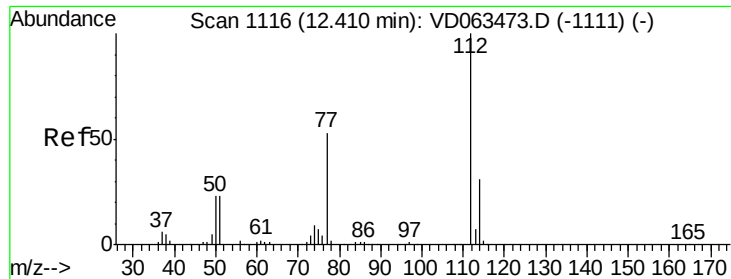
Tot Ion:117 Resp: 1347112
Ion Ratio Lower Upper
117 100
82 49.0 42.0 63.0
119 30.6 25.4 38.0



#64
Tetrachloroethene
Concen: 20.306 ug/l
RT: 11.27 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion:164 Resp: 211173
Ion Ratio Lower Upper
164 100
166 135.9 108.6 163.0
129 94.4 69.0 103.6
131 90.6 66.6 99.8

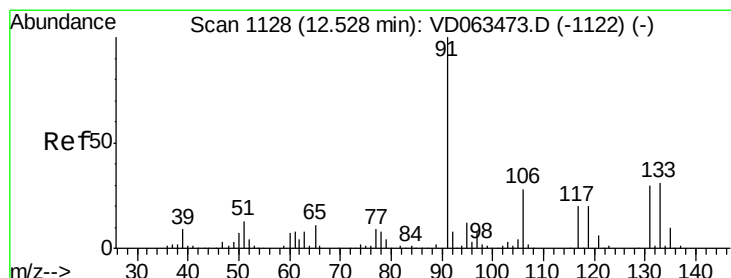
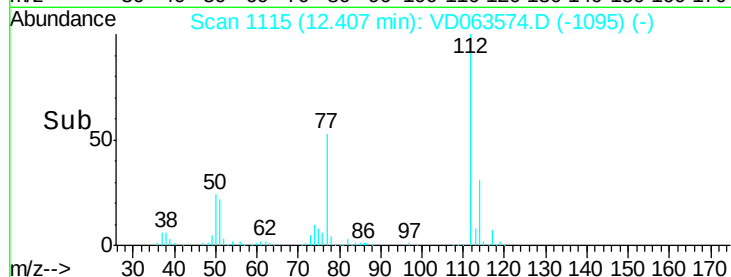
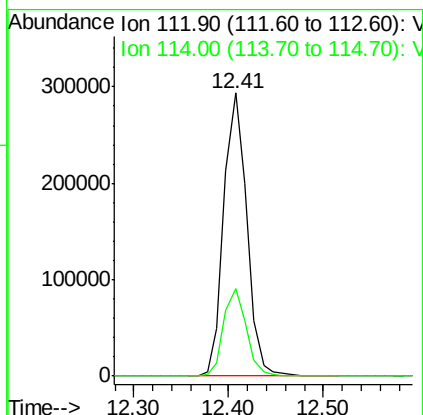
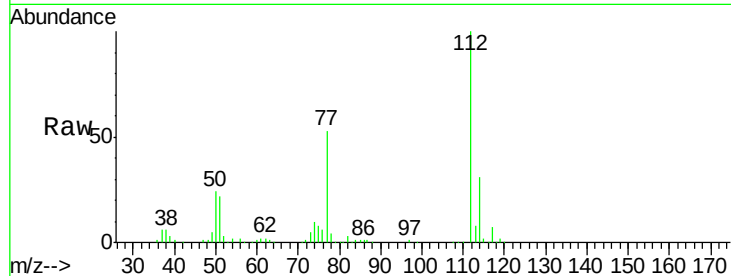




#65
Chlorobenzene
Concen: 19.644 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

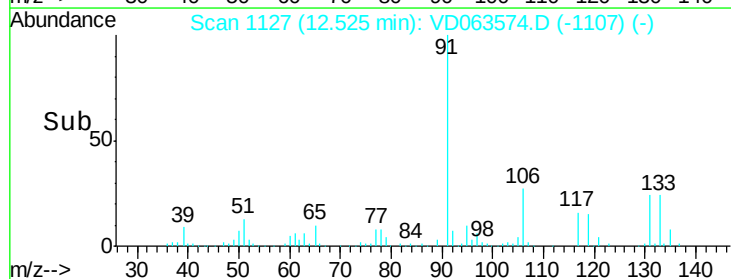
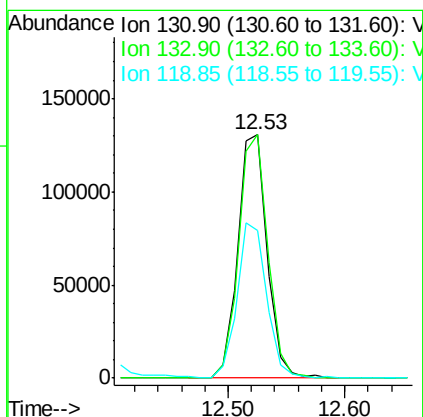
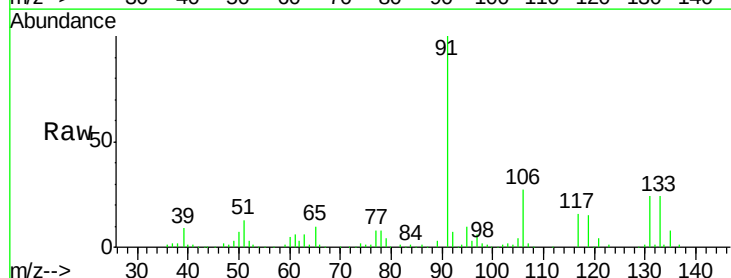
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

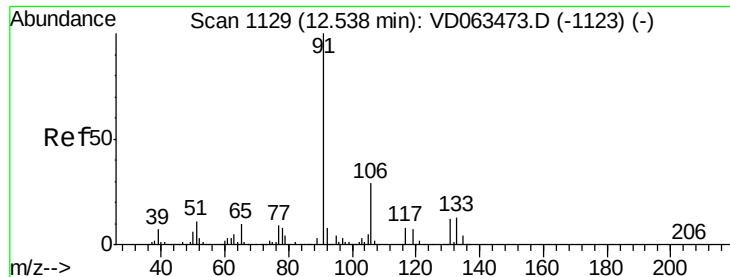
Tot Ion:112 Resp: 495984
Ion Ratio Lower Upper
112 100
114 31.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.411 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion:131 Resp: 226797
Ion Ratio Lower Upper
131 100
133 100.1 51.1 153.3
119 60.5 33.1 99.3

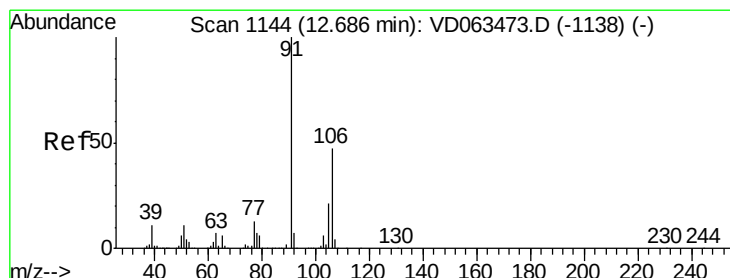
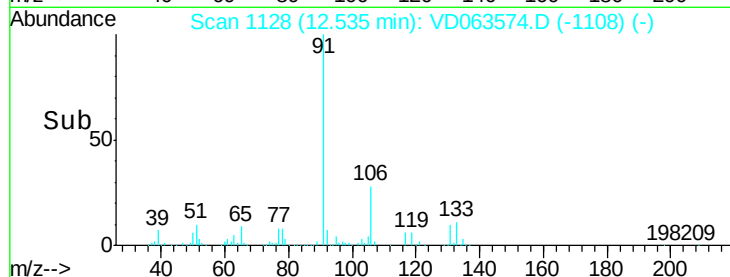
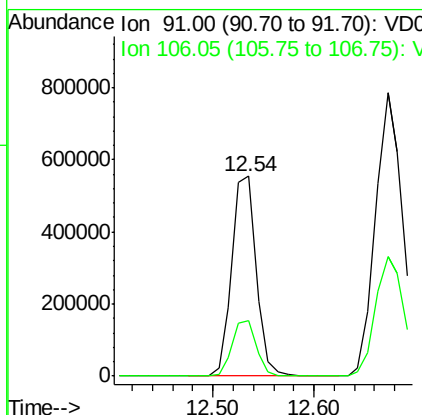
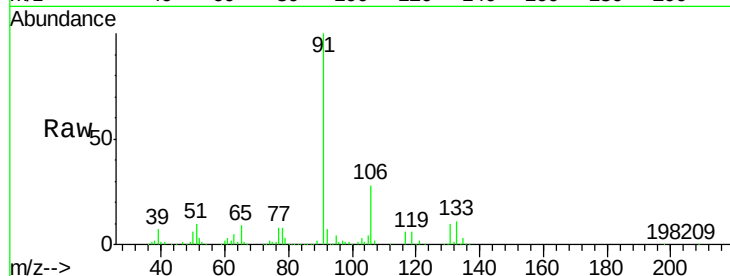




#67
Ethyl Benzene
Concen: 21.222 ug/l
RT: 12.54 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

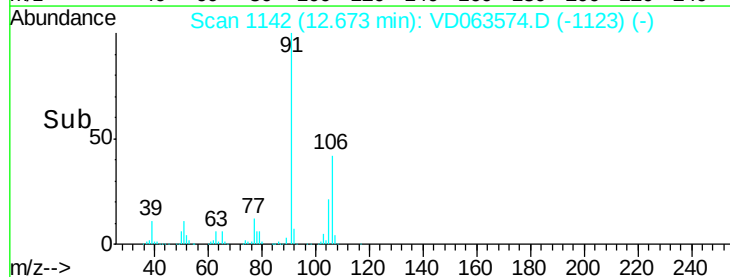
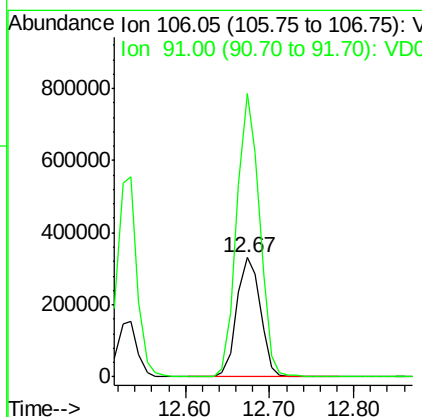
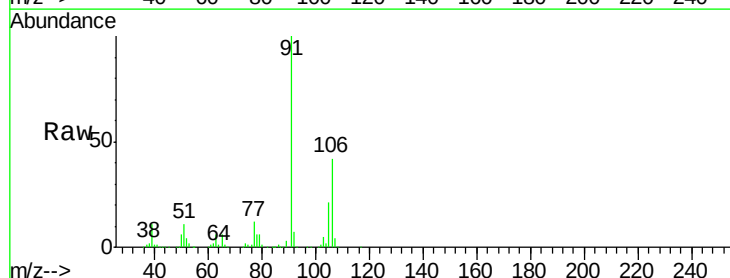
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

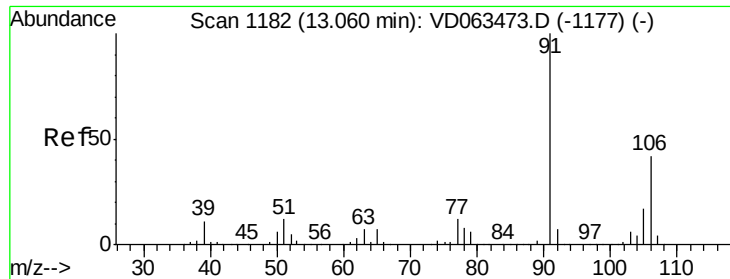
Tot Ion: 91 Resp: 931652
Ion Ratio Lower Upper
91 100
106 28.1 23.1 34.7



#68
m/p-Xylenes
Concen: 41.999 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 106 Resp: 647773
Ion Ratio Lower Upper
106 100
91 237.1 171.8 257.8

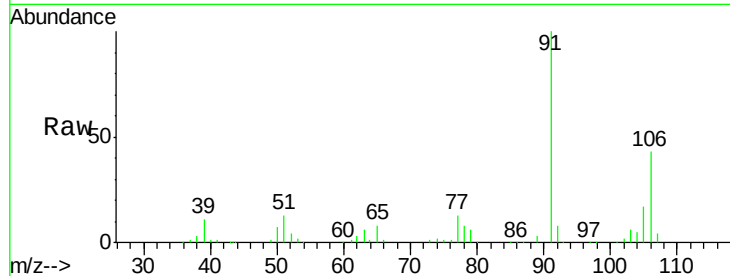




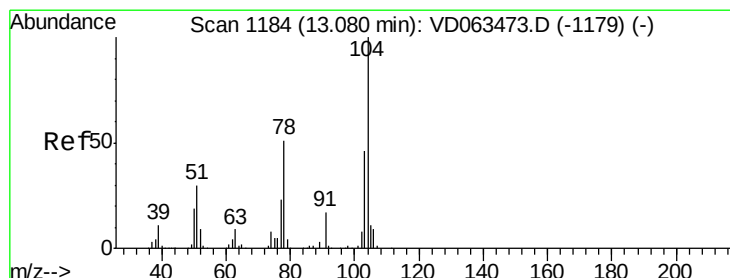
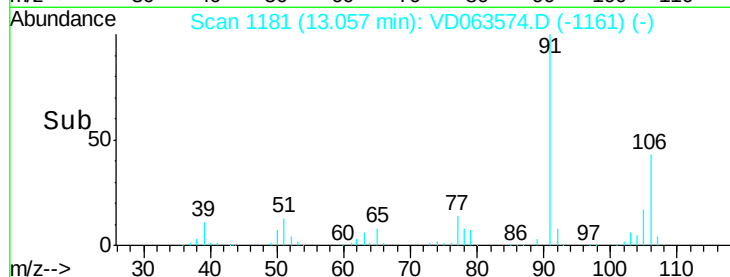
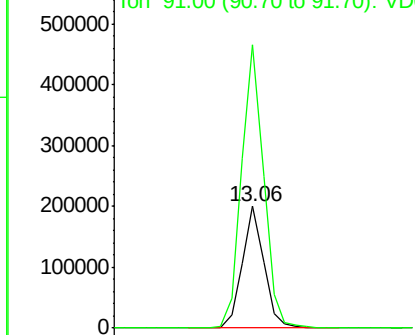
#69
o-Xylene
Concen: 18.815 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion:106 Resp: 279301
Ion Ratio Lower Upper
106 100
91 232.5 118.1 354.2

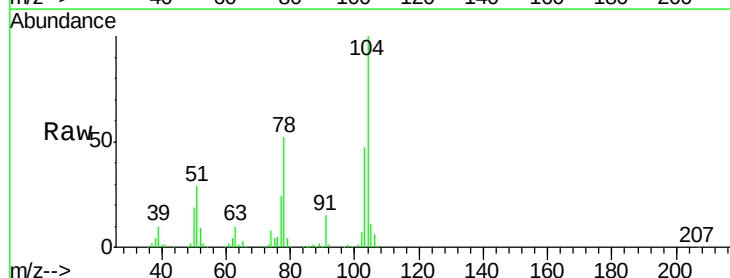


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

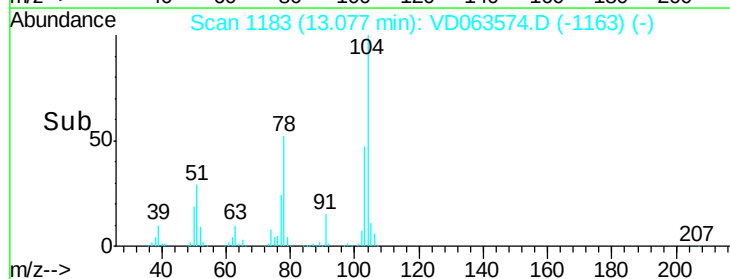
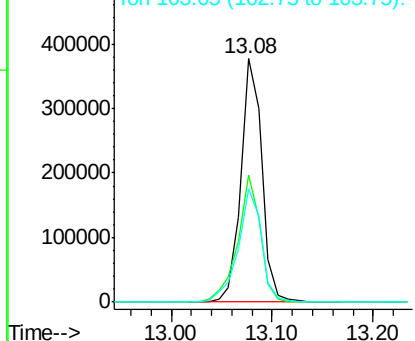


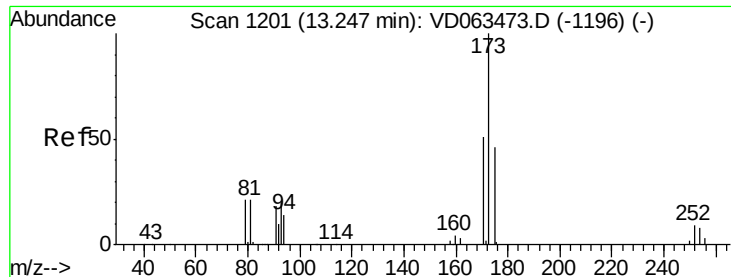
#70
Styrene
Concen: 20.669 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion:104 Resp: 545760
Ion Ratio Lower Upper
104 100
78 52.0 40.8 61.2
103 46.5 36.4 54.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 21.037 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

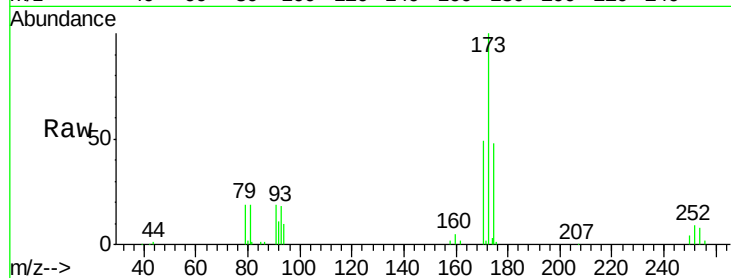
Tot Ion:173 Resp: 160282

Ion Ratio Lower Upper

173 100

175 47.9 22.8 68.3

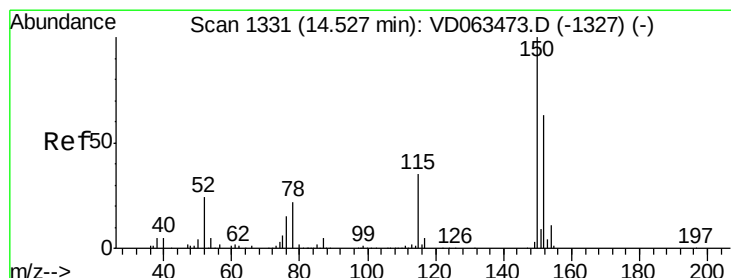
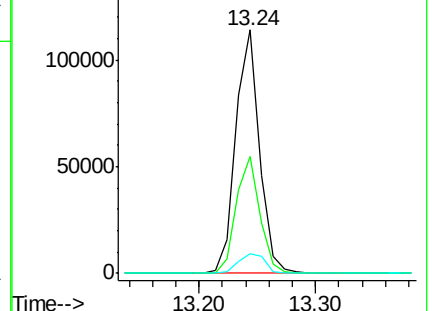
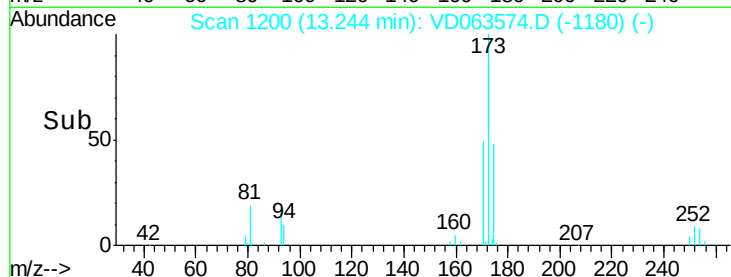
254 7.8 6.6 9.8



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: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

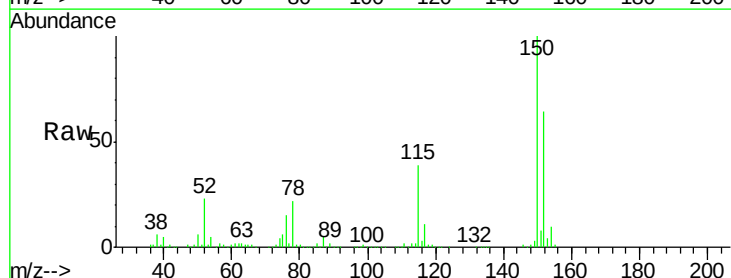
Tgt Ion:152 Resp: 693461

Ion Ratio Lower Upper

152 100

115 61.0 30.9 92.7

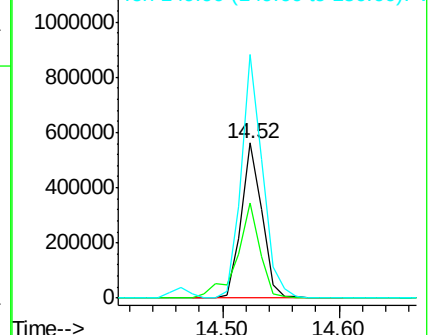
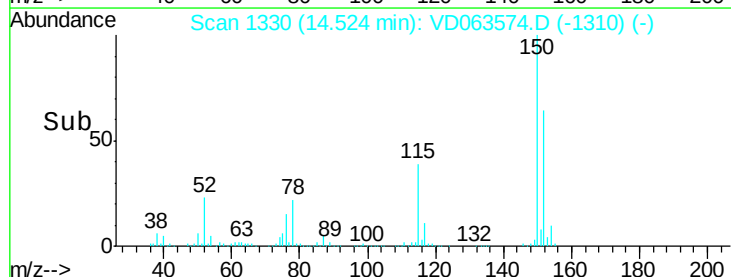
150 157.0 0.0 318.6

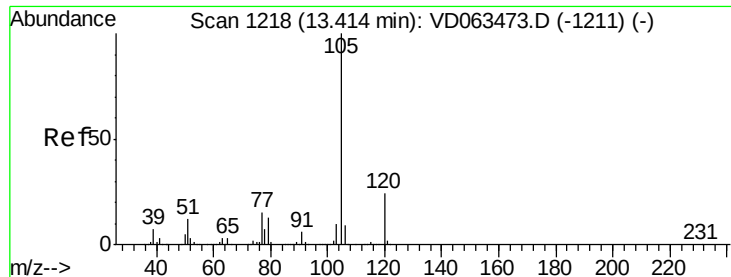


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.311 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

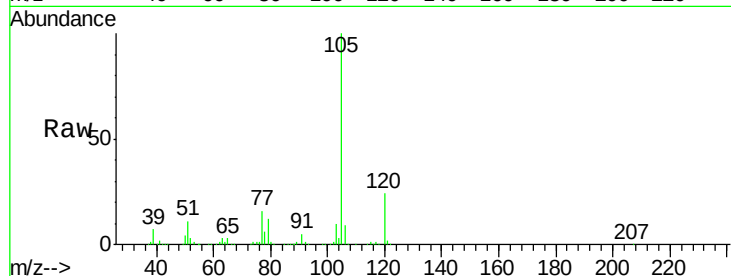
VD0814SBSD01

Tot Ion:105 Resp: 940007

Ion Ratio Lower Upper

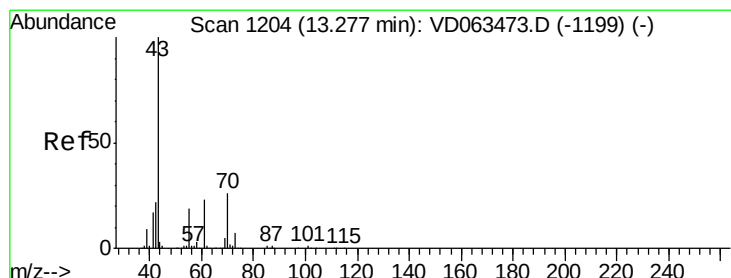
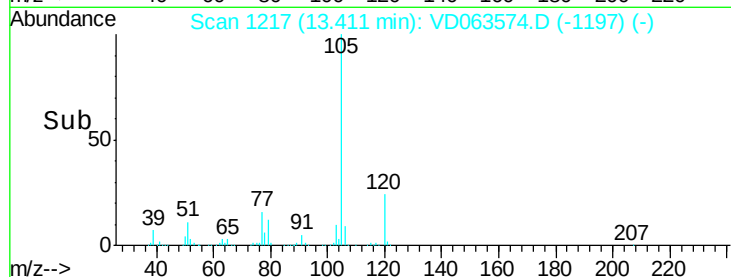
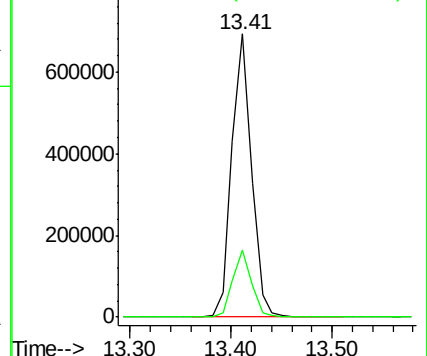
105 100

120 23.7 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.611 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Tgt Ion: 43 Resp: 239290

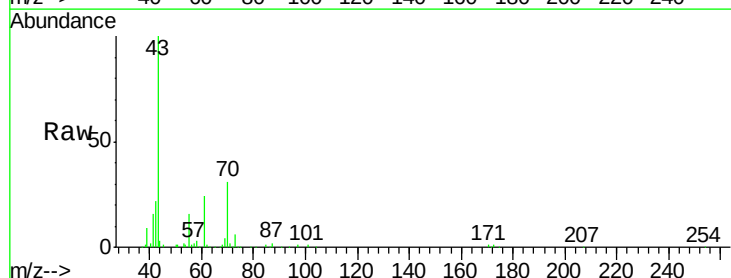
Ion Ratio Lower Upper

43 100

70 31.4 21.1 31.7

55 16.5 15.4 23.0

61 23.7 18.2 27.2

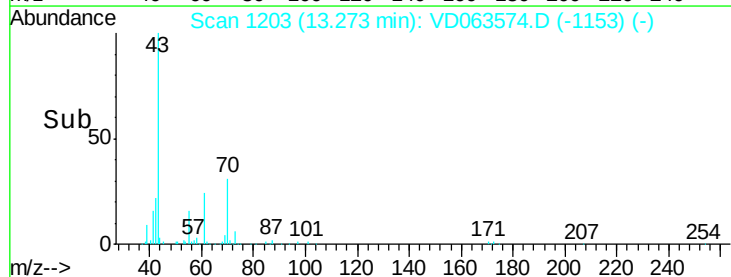
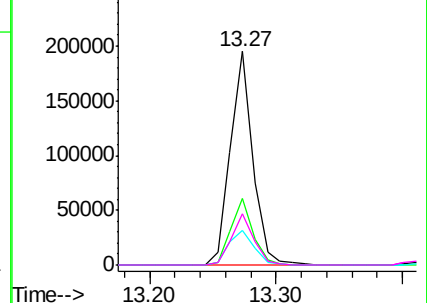


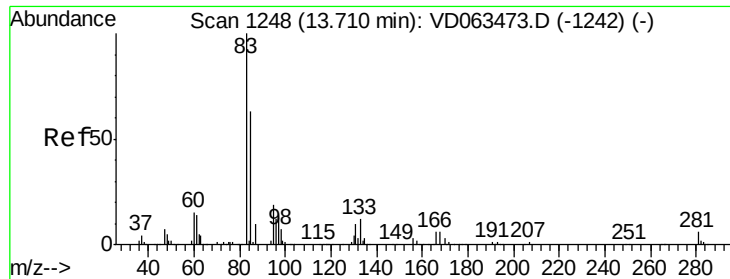
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.783 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

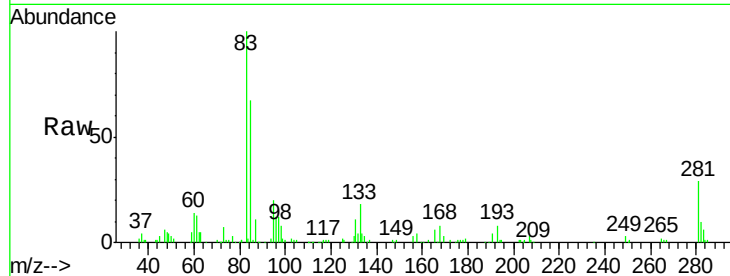
Tot Ion: 83 Resp: 159479

Ion Ratio Lower Upper

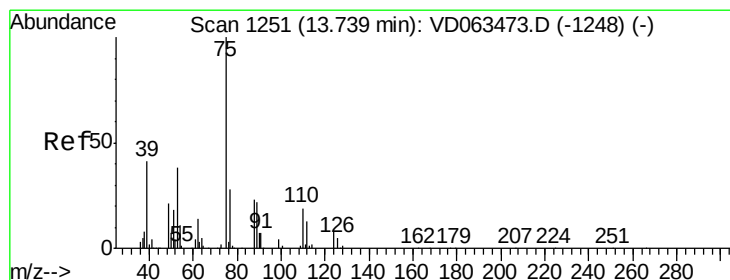
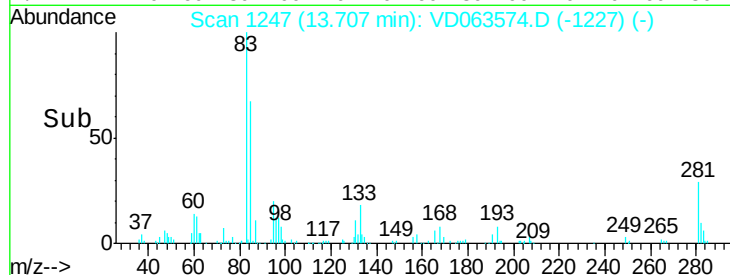
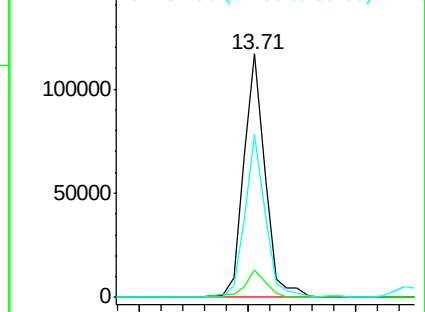
83 100

131 11.2 5.3 15.8

85 67.1 31.4 94.3



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: 21.070 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063574.D

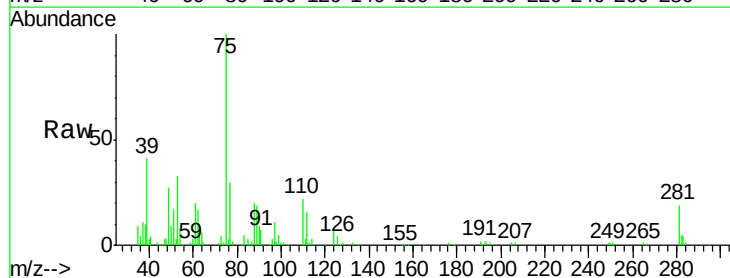
Acq: 14 Aug 2019 15:22

Tgt Ion: 75 Resp: 167692

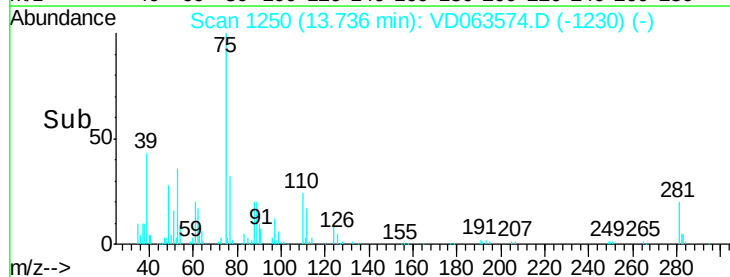
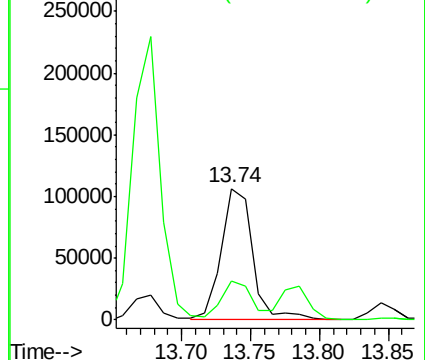
Ion Ratio Lower Upper

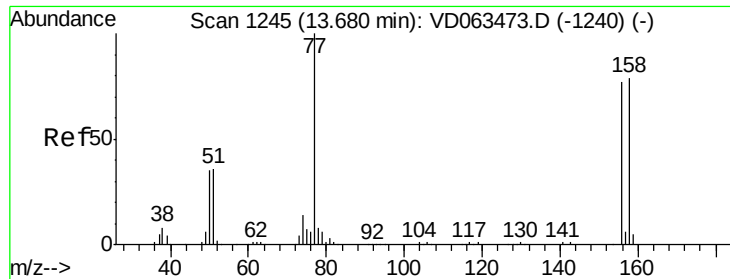
75 100

77 29.8 15.1 45.3



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

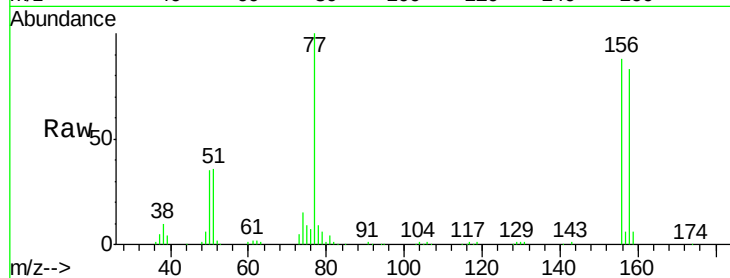




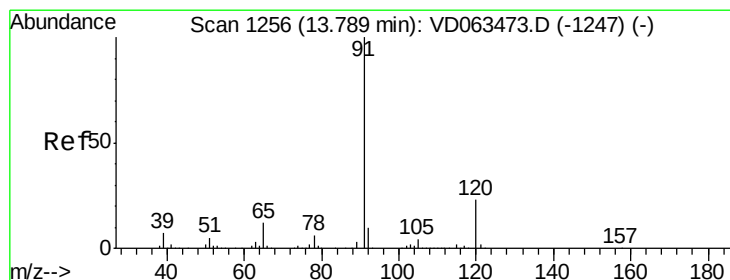
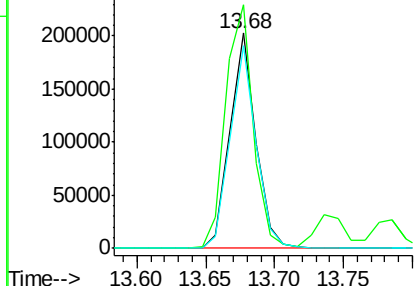
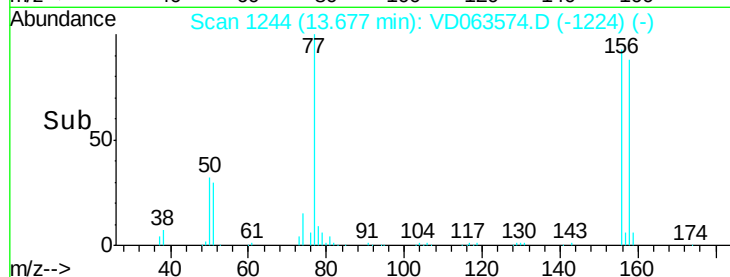
#77
Bromobenzene
Concen: 21.902 ug/l
RT: 13.68 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion:156 Resp: 264020
Ion Ratio Lower Upper
156 100
77 113.3 64.6 193.8
158 94.5 50.9 152.7

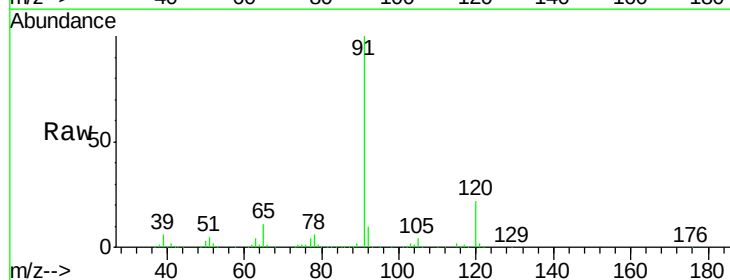


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

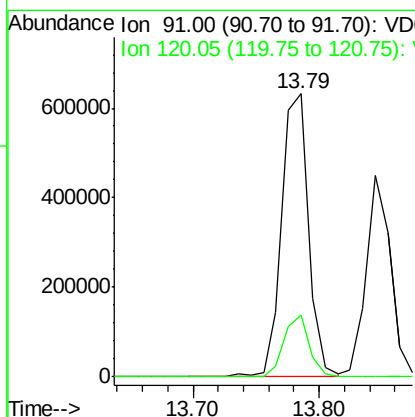
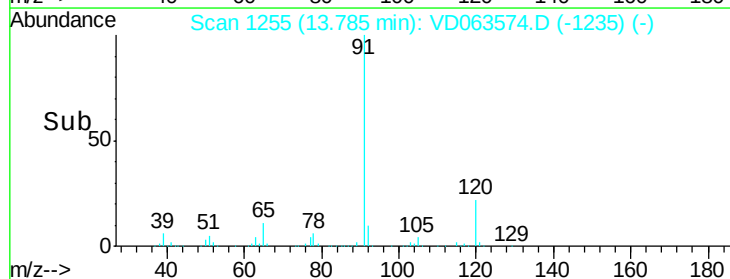


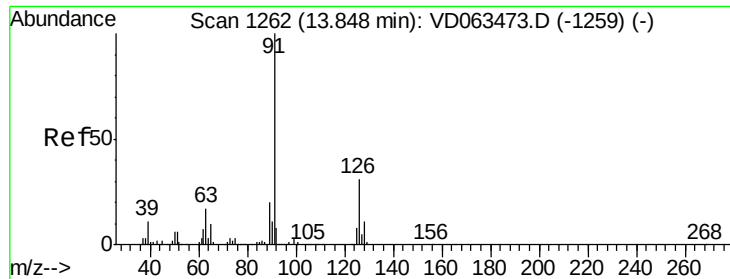
#78
n-propylbenzene
Concen: 18.293 ug/l
RT: 13.79 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 91 Resp: 944055
Ion Ratio Lower Upper
91 100
120 21.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.306 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

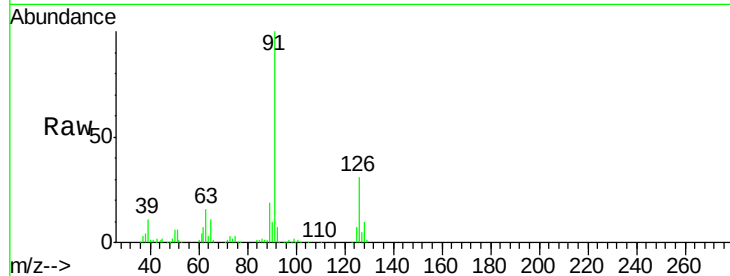
VD0814SBSD01

Tot Ion: 91 Resp: 604221

Ion Ratio Lower Upper

91 100

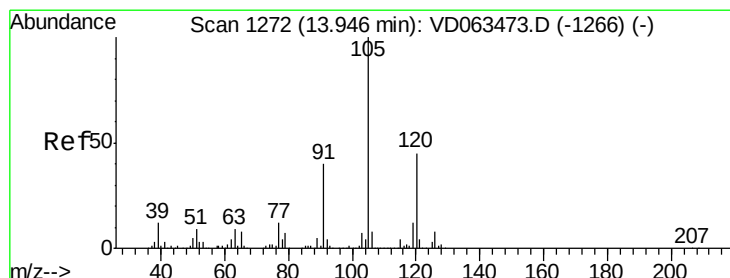
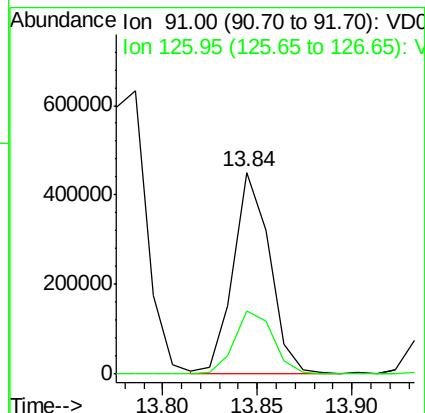
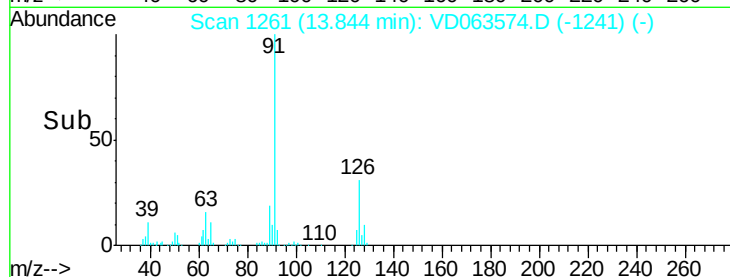
126 31.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.118 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063574.D

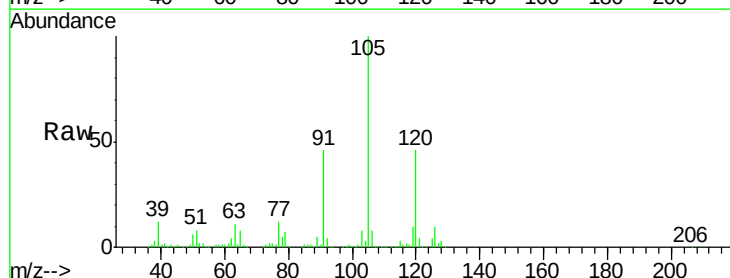
Acq: 14 Aug 2019 15:22

Tgt Ion:105 Resp: 813862

Ion Ratio Lower Upper

105 100

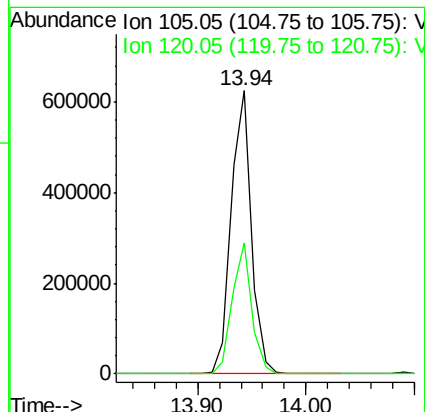
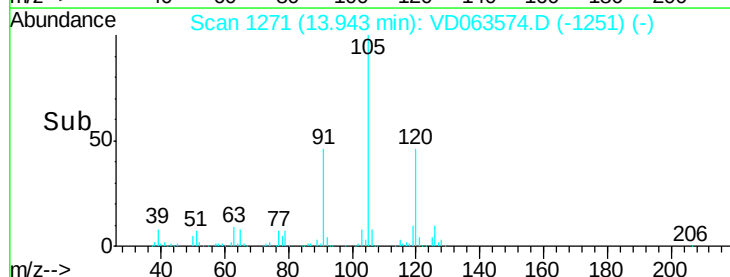
120 46.2 22.8 68.3

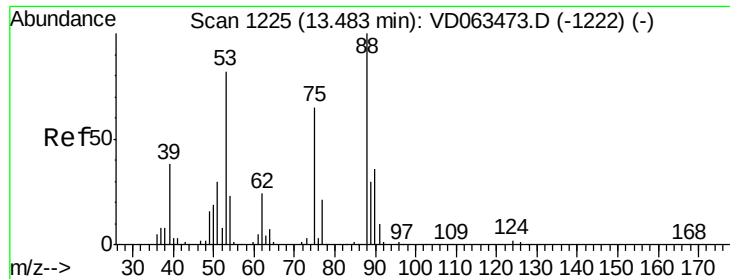


Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

Time-->

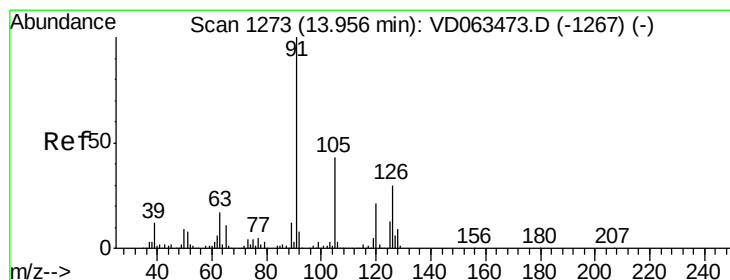
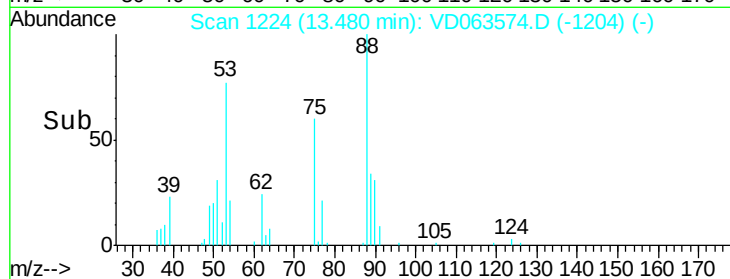
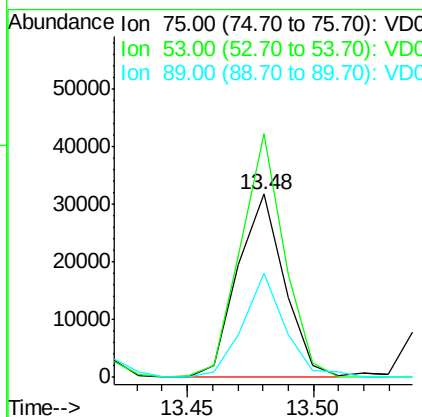
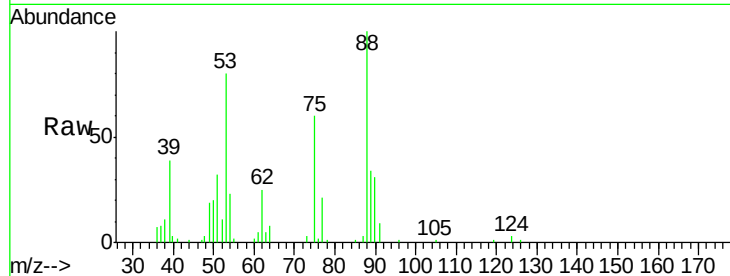




#81
trans-1,4-Dichloro-2-butene
Concen: 19.233 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

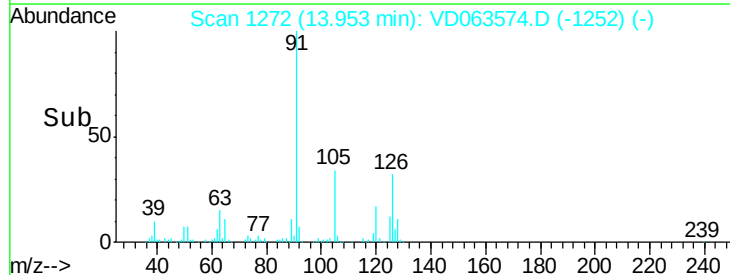
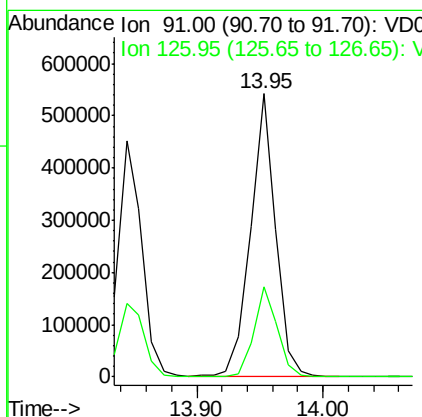
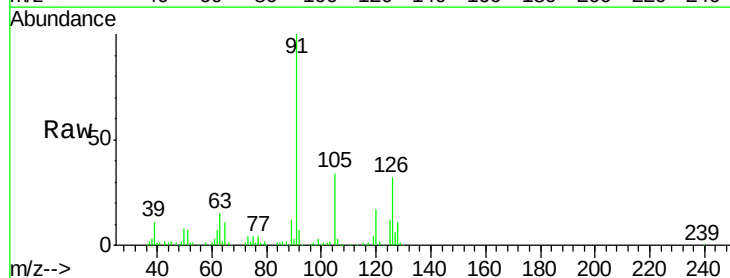
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

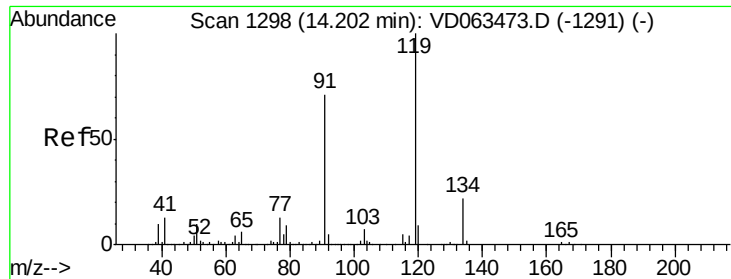
Tot Ion: 75 Resp: 41141
Ion Ratio Lower Upper
75 100
53 133.0 101.0 151.4
89 57.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 20.769 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063574.D
Acq: 14 Aug 2019 15:22

Tgt Ion: 91 Resp: 743147
Ion Ratio Lower Upper
91 100
126 31.6 15.2 45.6

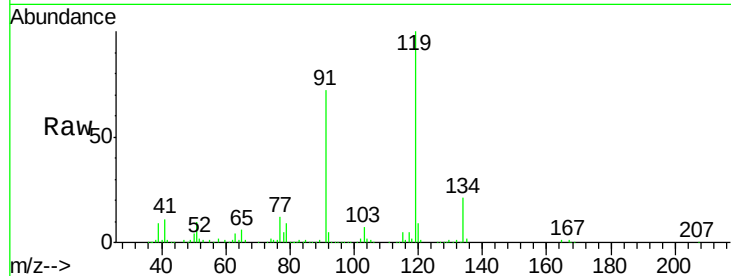




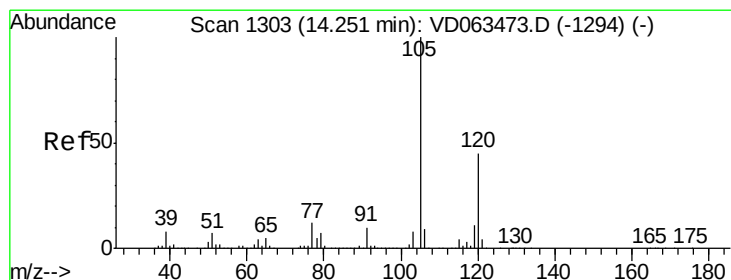
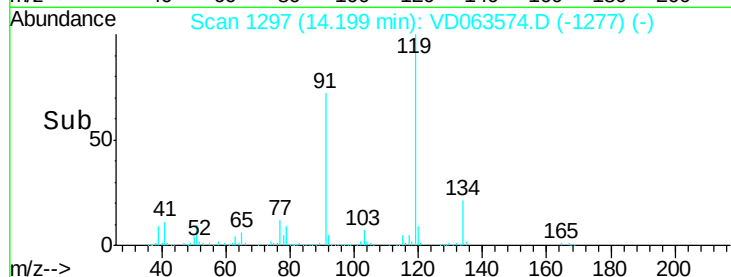
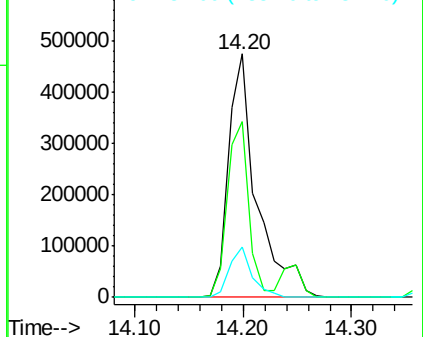
#83
 tert-Butylbenzene
 Concen: 21.256 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion:119 Resp: 862618
 Ion Ratio Lower Upper
 119 100
 91 72.5 35.5 106.7
 134 20.8 11.1 33.1

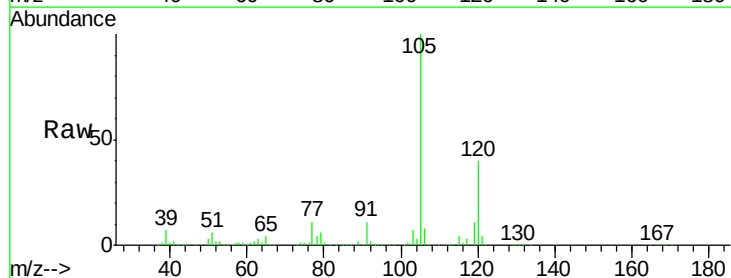


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

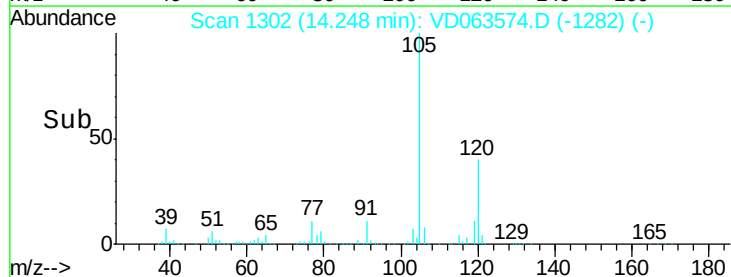
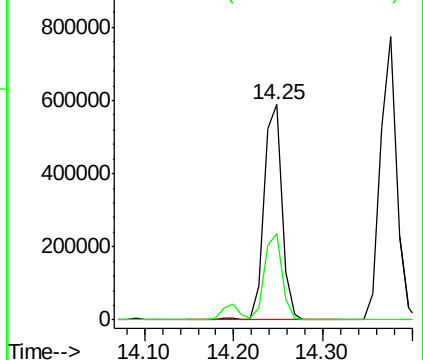


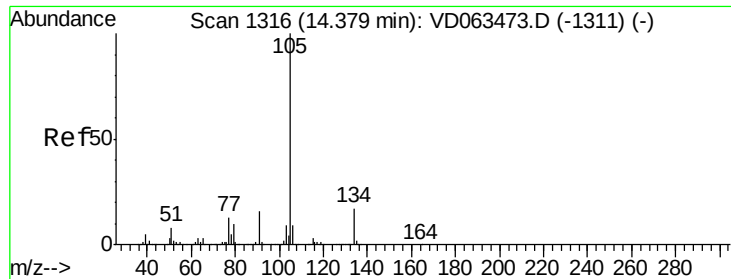
#84
 1,2,4-Trimethylbenzene
 Concen: 22.648 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion:105 Resp: 807589
 Ion Ratio Lower Upper
 105 100
 120 39.9 22.7 68.1



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

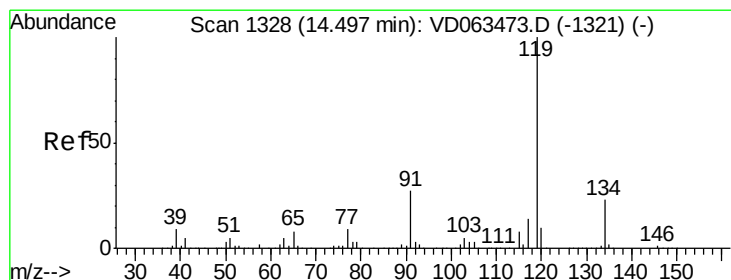
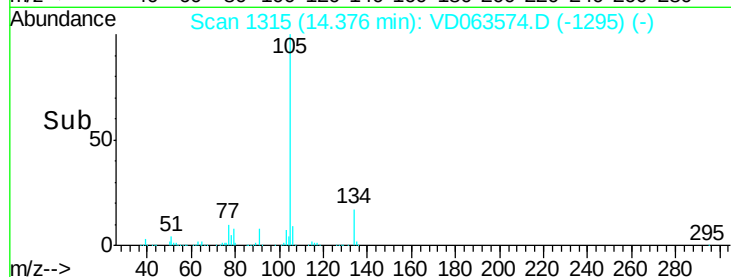
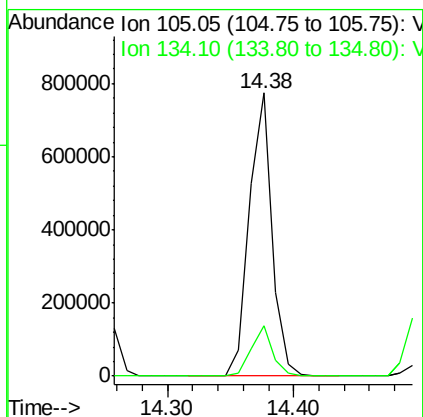
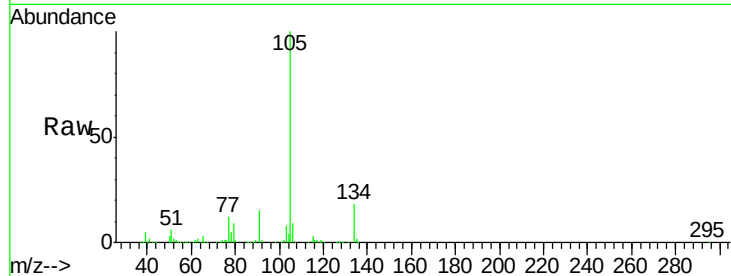




#85
 sec-Butylbenzene
 Concen: 22.462 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

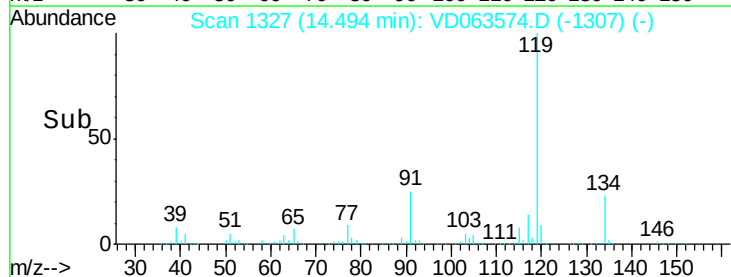
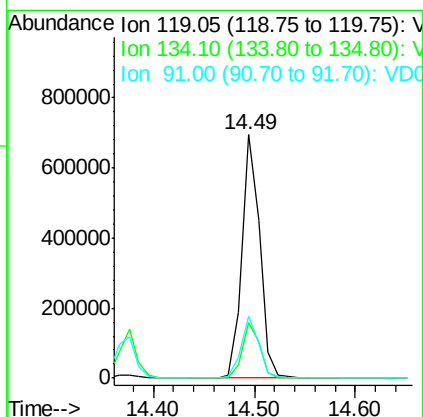
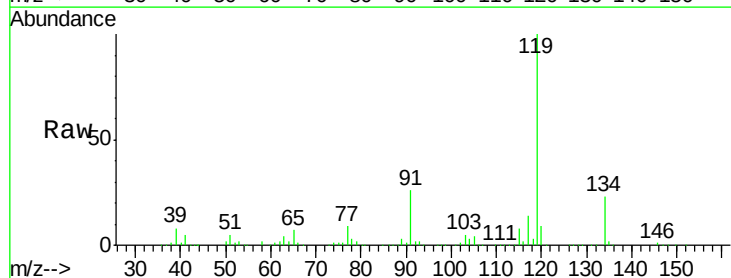
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

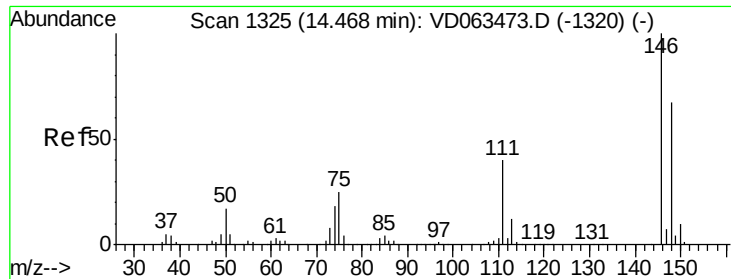
Tot Ion:105 Resp: 968056
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 20.621 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion:119 Resp: 849771
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.3 33.8
 91 25.6 13.5 40.4

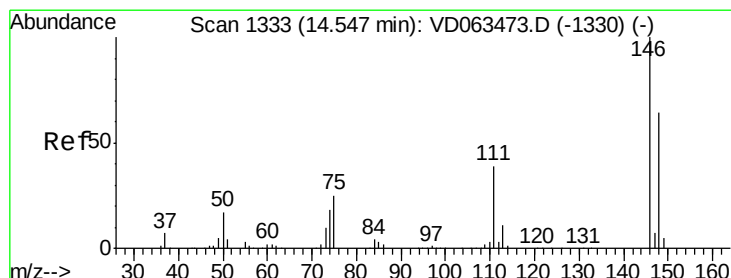
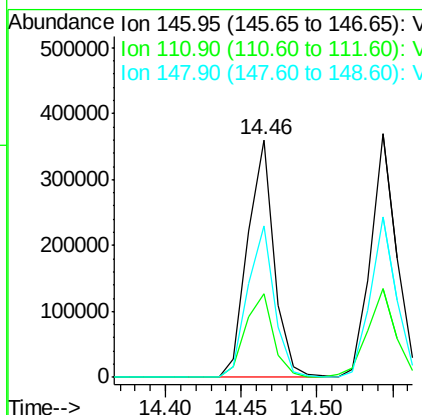
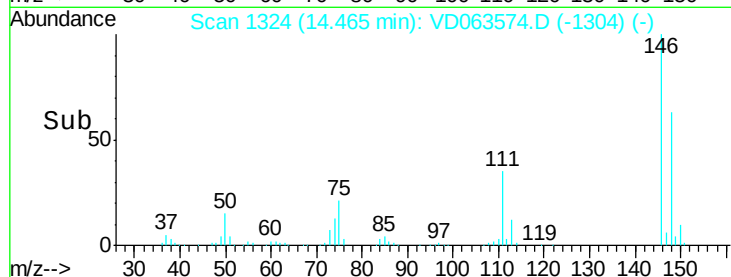
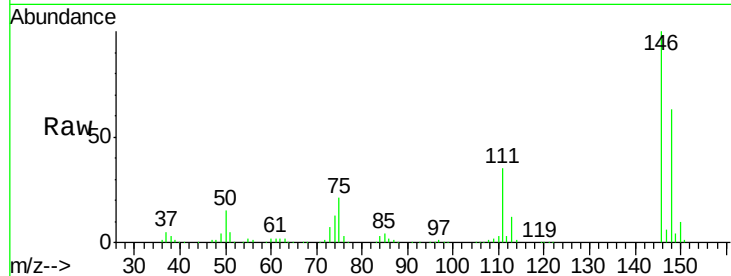




#87
 1,3-Dichlorobenzene
 Concen: 20.135 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

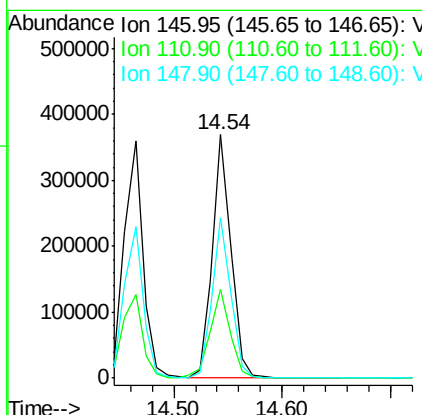
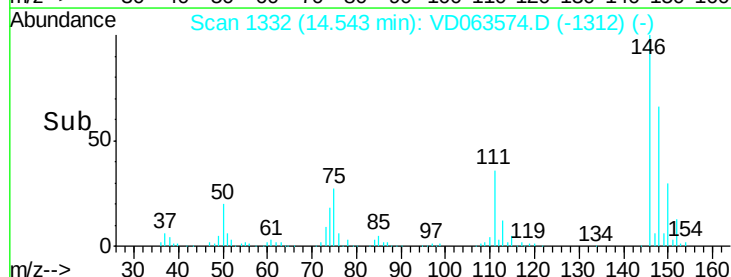
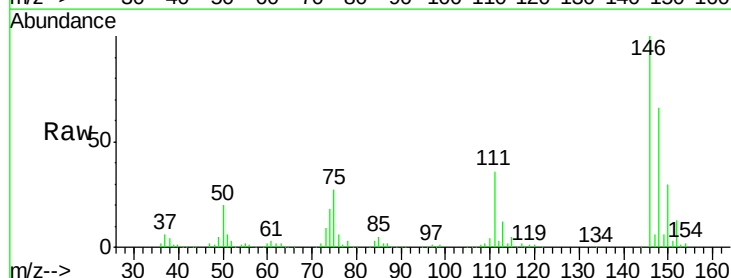
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

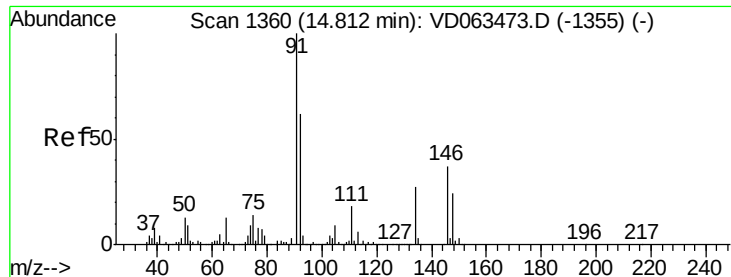
Tot Ion:146 Resp: 439038
 Ion Ratio Lower Upper
 146 100
 111 34.9 20.0 60.0
 148 63.5 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.189 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion:146 Resp: 443281
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.7 59.0
 148 65.9 32.1 96.3





#89

n-Butylbenzene

Concen: 20.702 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

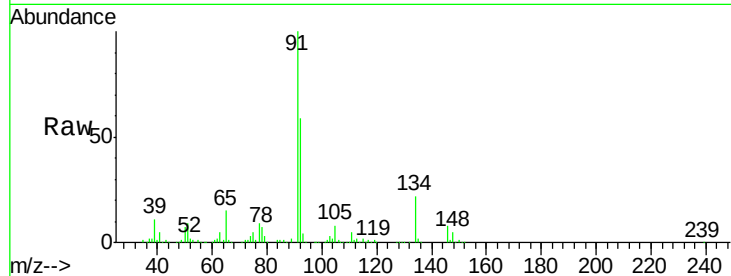
Tot Ion: 91 Resp: 778580

Ion Ratio Lower Upper

91 100

92 58.7 30.8 92.3

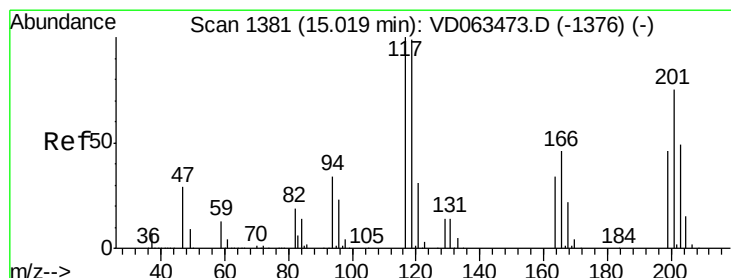
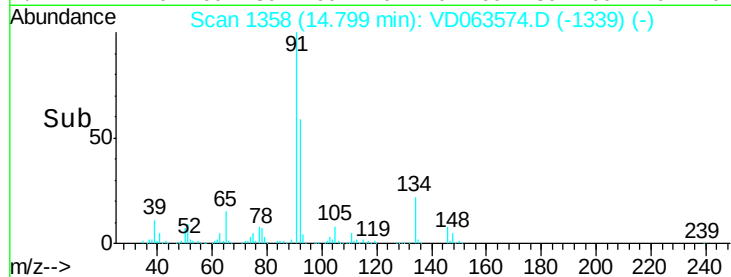
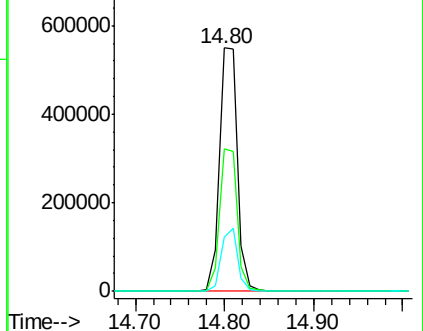
134 22.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.884 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063574.D

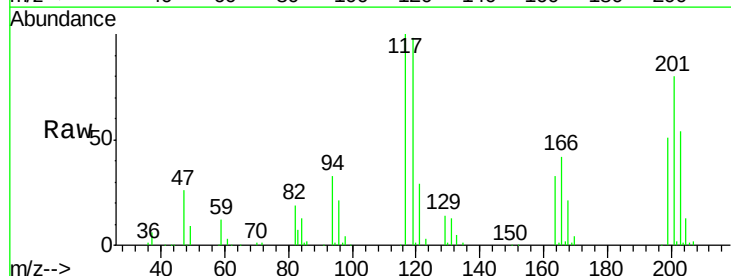
Acq: 14 Aug 2019 15:22

Tgt Ion: 117 Resp: 205954

Ion Ratio Lower Upper

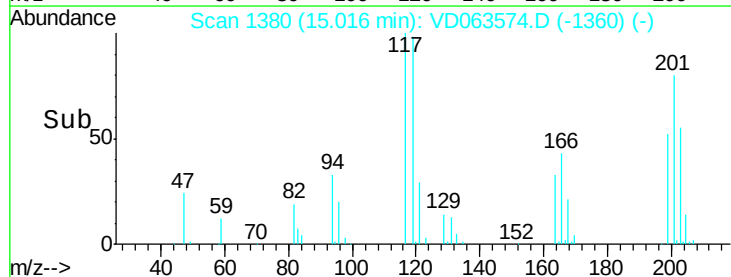
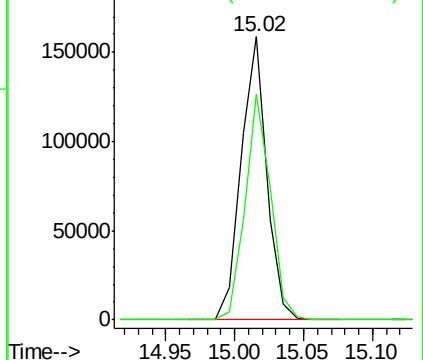
117 100

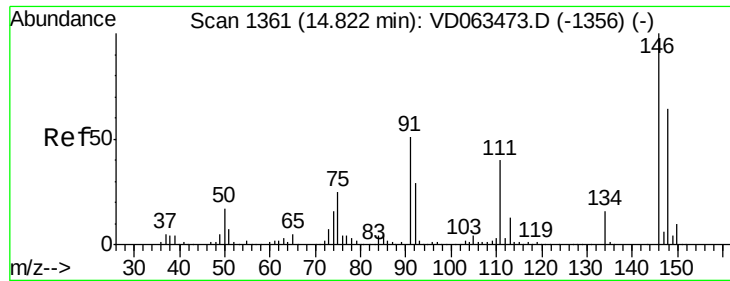
201 79.6 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

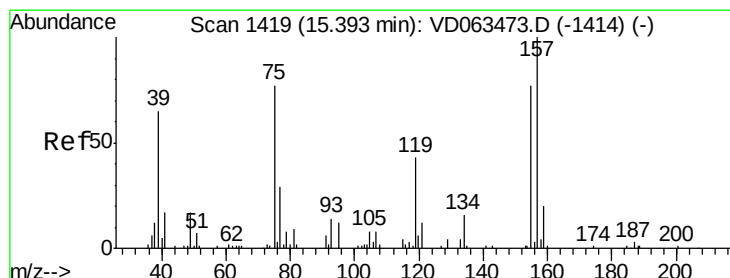
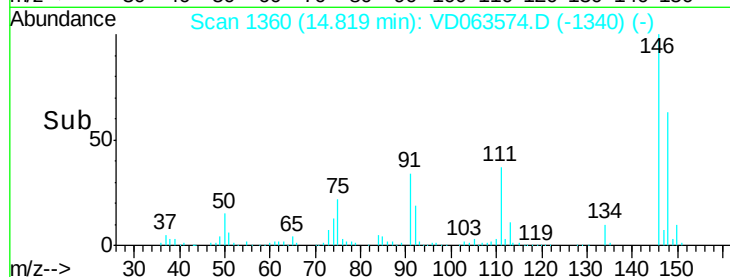
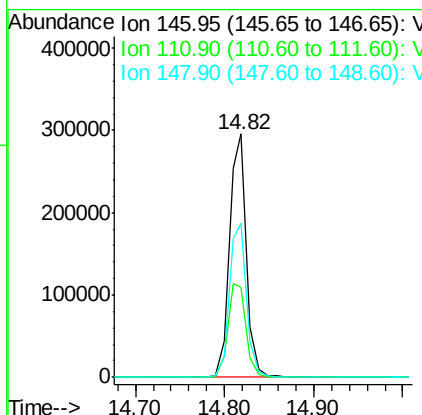
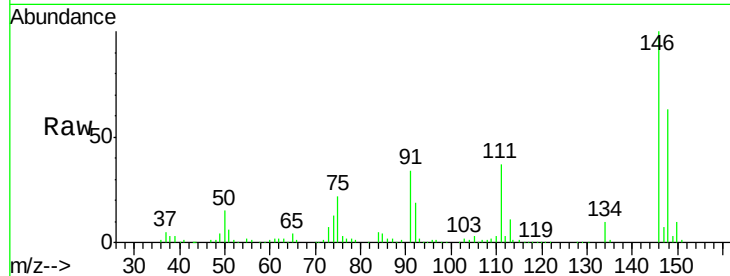




#91
 1,2-Dichlorobenzene
 Concen: 21.469 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

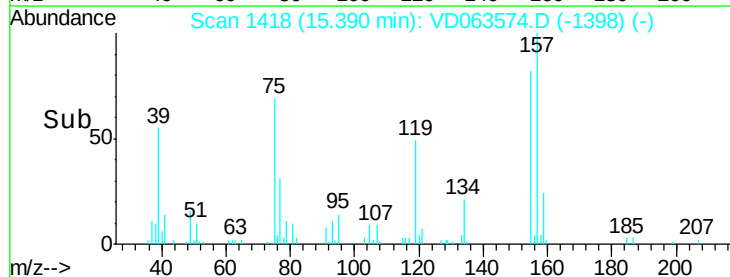
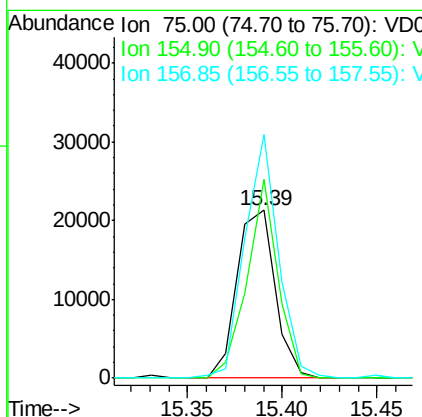
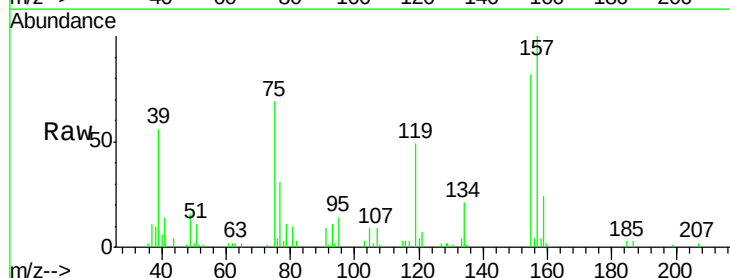
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

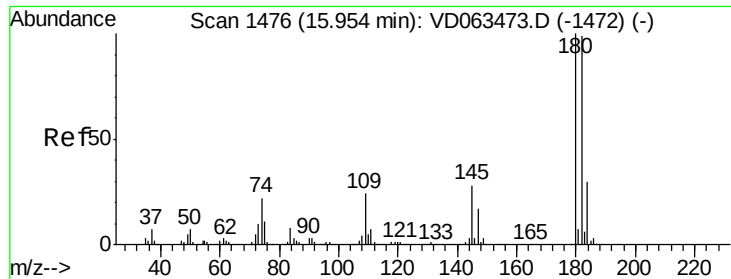
Tot Ion:146 Resp: 397166
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.2 60.6
 148 63.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.505 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion: 75 Resp: 29645
 Ion Ratio Lower Upper
 75 100
 155 118.2 50.1 150.3
 157 145.0 65.0 195.1

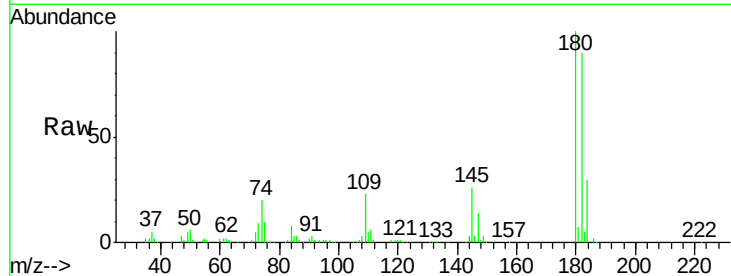




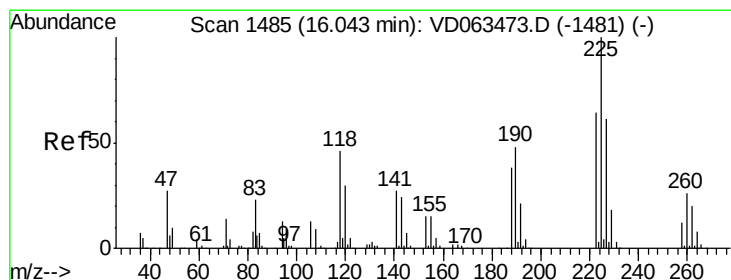
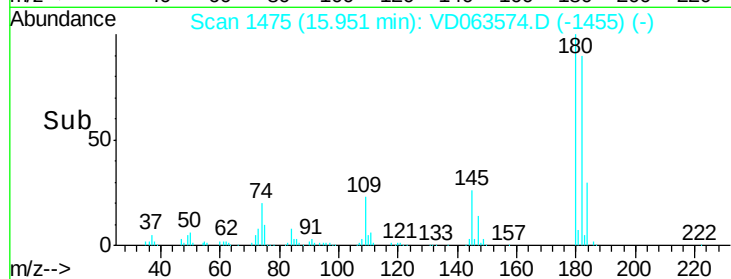
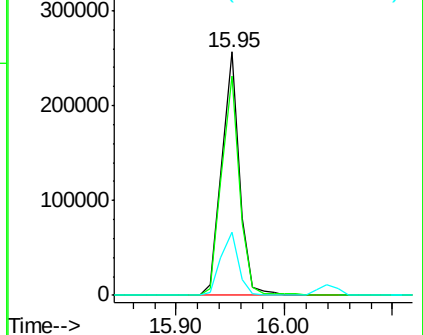
#93
 1,2,4-Trichlorobenzene
 Concen: 21.523 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion:180 Resp: 292986
 Ion Ratio Lower Upper
 180 100
 182 90.0 49.7 149.1
 145 25.9 14.1 42.2

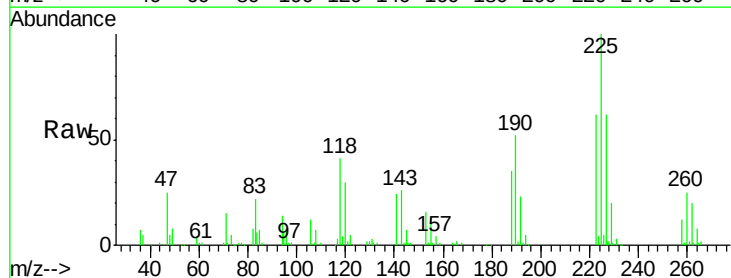


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

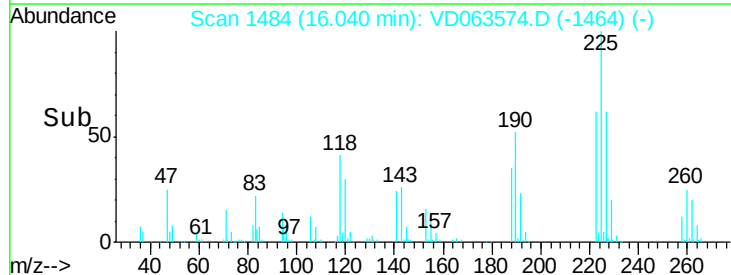
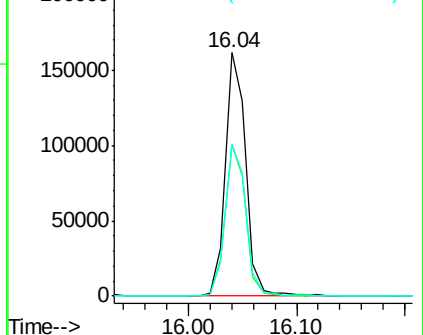


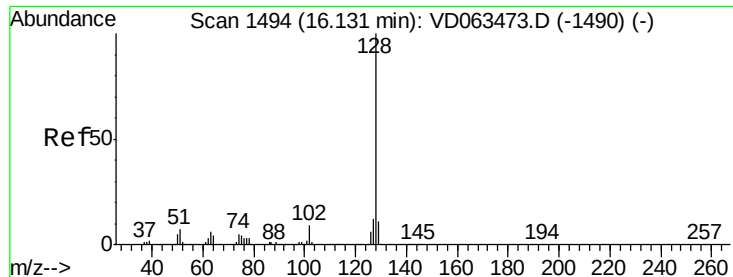
#94
 Hexachlorobutadiene
 Concen: 20.249 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063574.D
 Acq: 14 Aug 2019 15:22

Tgt Ion:225 Resp: 210079
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.9 95.5
 227 62.2 30.7 92.1



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 22.172 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

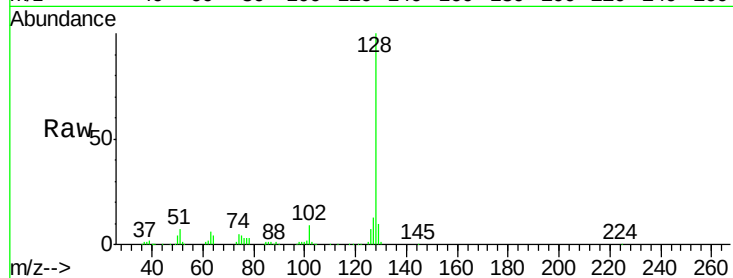
Tot Ion:128 Resp: 457404

Ion Ratio Lower Upper

128 100

127 12.8 9.4 14.0

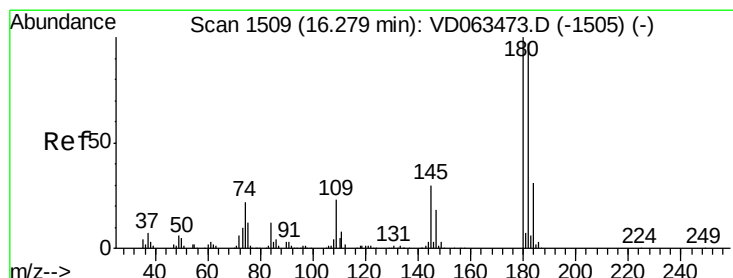
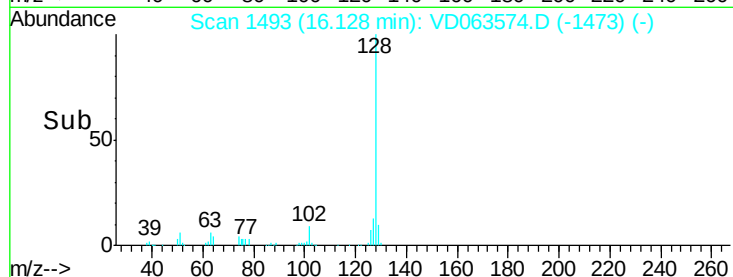
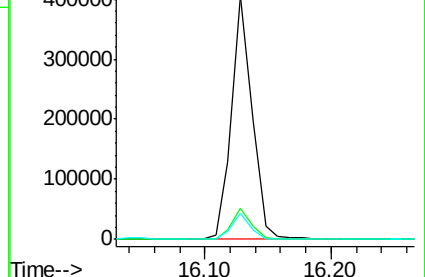
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.526 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

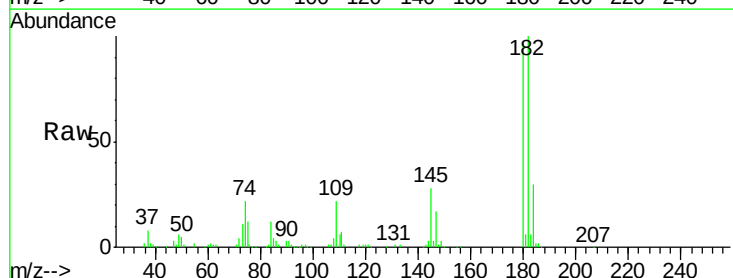
Tgt Ion:180 Resp: 236672

Ion Ratio Lower Upper

180 100

182 103.1 48.4 145.2

145 28.9 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

