

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063455.D
 Acq On : 9 Aug 2019 00:41
 Operator : JC/SY
 Sample : VD0808SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

Quant Time: Aug 09 03:18:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	869129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1229932	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1001208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	548350	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	521768	54.10	ug/l	0.02
Spiked Amount						
			Recovery	=	108.20%	
35) Dibromofluoromethane	6.93	113	558260	53.16	ug/l	0.02
Spiked Amount						
			Recovery	=	106.32%	
50) Toluene-d8	10.41	98	1273950	54.21	ug/l	0.00
Spiked Amount						
			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	13.56	95	536598	50.11	ug/l	0.00
Spiked Amount						
			Recovery	=	100.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	225250	21.202	ug/l	97
3) Chloromethane	1.74	50	185897	22.522	ug/l	96
4) Vinyl Chloride	1.84	62	184014	21.535	ug/l	99
5) Bromomethane	2.14	94	88678	20.577	ug/l	91
6) Chloroethane	2.25	64	72083	18.271	ug/l #	76
7) Trichlorofluoromethane	2.53	101	367930	22.195	ug/l	96
8) Diethyl Ether	2.87	74	50846	21.916	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	213250	23.223	ug/l	89
10) Methyl Iodide	3.29	142	274969	20.728	ug/l	95
11) Tert butyl alcohol	4.07	59	52478	123.998	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	161828	24.006	ug/l #	79
13) Acrolein	3.03	56	26927	66.110	ug/l	90
14) Allyl chloride	3.62	41	256784	23.911	ug/l	96
15) Acrylonitrile	4.20	53	133840	121.980	ug/l	98
16) Acetone	3.23	43	200937	106.939	ug/l	96
17) Carbon Disulfide	3.37	76	462188	20.484	ug/l	99
18) Methyl Acetate	3.64	43	104258	28.887	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	376679	24.737	ug/l	93
20) Methylene Chloride	3.82	84	189775	24.986	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	172606	22.819	ug/l	89
22) Diisopropyl ether	5.13	45	517864	24.137	ug/l	98
23) Vinyl Acetate	5.06	43	1565220	118.678	ug/l	100
24) 1,1-Dichloroethane	4.98	63	323645	23.615	ug/l	97
25) 2-Butanone	6.08	43	223542	118.544	ug/l	93
26) 2,2-Dichloropropane	6.02	77	289873	20.524	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	185184	22.835	ug/l	95
28) Bromochloromethane	6.45	49	125762	23.032	ug/l #	99
29) Tetrahydrofuran	6.46	42	110738	124.035	ug/l	95
30) Chloroform	6.67	83	387962	22.811	ug/l	95
31) Cyclohexane	6.97	56	167338	19.480	ug/l	85
32) 1,1,1-Trichloroethane	6.88	97	369197	22.442	ug/l	97
36) 1,1-Dichloropropene	7.15	75	255838	22.792	ug/l	98
37) Ethyl Acetate	6.19	43	108882	21.591	ug/l #	92
38) Carbon Tetrachloride	7.11	117	365425	21.625	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	194255	20.771	ug/l	90
40) Benzene	7.46	78	561900	23.885	ug/l	99
41) Methacrylonitrile	6.45	41	138516	22.963	ug/l #	80
42) 1,2-Dichloroethane	7.59	62	293604	23.549	ug/l	97
43) Isopropyl Acetate	9.25	43	157422	24.438	ug/l #	95
44) Trichloroethene	8.54	130	211439	22.181	ug/l	98
45) 1,2-Dichloropropane	8.95	63	137569	23.007	ug/l	92
46) Dibromomethane	9.06	93	122720	24.683	ug/l	92
47) Bromodichloromethane	9.38	83	297010	23.435	ug/l	97
48) Methyl methacrylate	9.13	41	100246	23.995	ug/l	92
49) 1,4-Dioxane	9.08	88	19652	553.449	ug/l #	79
51) 4-Methyl-2-Pentanone	10.31	43	532914	121.646	ug/l	99
52) Toluene	10.51	92	349646	22.347	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	250962	22.968	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	268269	23.362	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	128632	24.342	ug/l	93
56) Ethyl methacrylate	11.05	69	135612	23.436	ug/l	93
57) 1,3-Dichloropropane	11.42	76	203491	24.441	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.86	63	349515	116.082	ug/l	94
59) 2-Hexanone	11.53	43	373517	118.313	ug/l	100
60) Dibromochloromethane	11.69	129	223898	22.444	ug/l	95
61) 1,2-Dibromoethane	11.81	107	156802	24.047	ug/l	93
64) Tetrachloroethene	11.27	164	185418	23.246	ug/l	97
65) Chlorobenzene	12.40	112	437813	22.734	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	191192	22.539	ug/l	92
67) Ethyl Benzene	12.53	91	793767	24.263	ug/l	99
68) m/p-Xylenes	12.68	106	544603	45.393	ug/l	93
69) o-Xylene	13.05	106	252441	22.913	ug/l	94
70) Styrene	13.08	104	433869	22.206	ug/l	94
71) Bromoform	13.24	173	151582	24.572	ug/l	95
73) Isopropylbenzene	13.40	105	797107	23.161	ug/l	97
74) N-amyl acetate	13.27	43	209035	22.975	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	142185	24.321	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	158767	24.105	ug/l	97
77) Bromobenzene	13.67	156	228117	23.267	ug/l	98
78) n-propylbenzene	13.78	91	929421	22.693	ug/l	99
79) 2-Chlorotoluene	13.85	91	512860	21.611	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	656937	22.131	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	37777	20.656	ug/l	98
82) 4-Chlorotoluene	13.95	91	642986	23.023	ug/l	84
83) tert-Butylbenzene	14.19	119	725114	21.394	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	675828	22.012	ug/l	98
85) sec-Butylbenzene	14.37	105	739477	20.708	ug/l	97
86) p-Isopropyltoluene	14.50	119	750013	22.006	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	412759	23.773	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	396164	22.564	ug/l	94
89) n-Butylbenzene	14.80	91	642485	21.826	ug/l	98
90) Hexachloroethane	15.01	117	188220	21.197	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	343027	22.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25817	21.680	ug/l	86

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QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

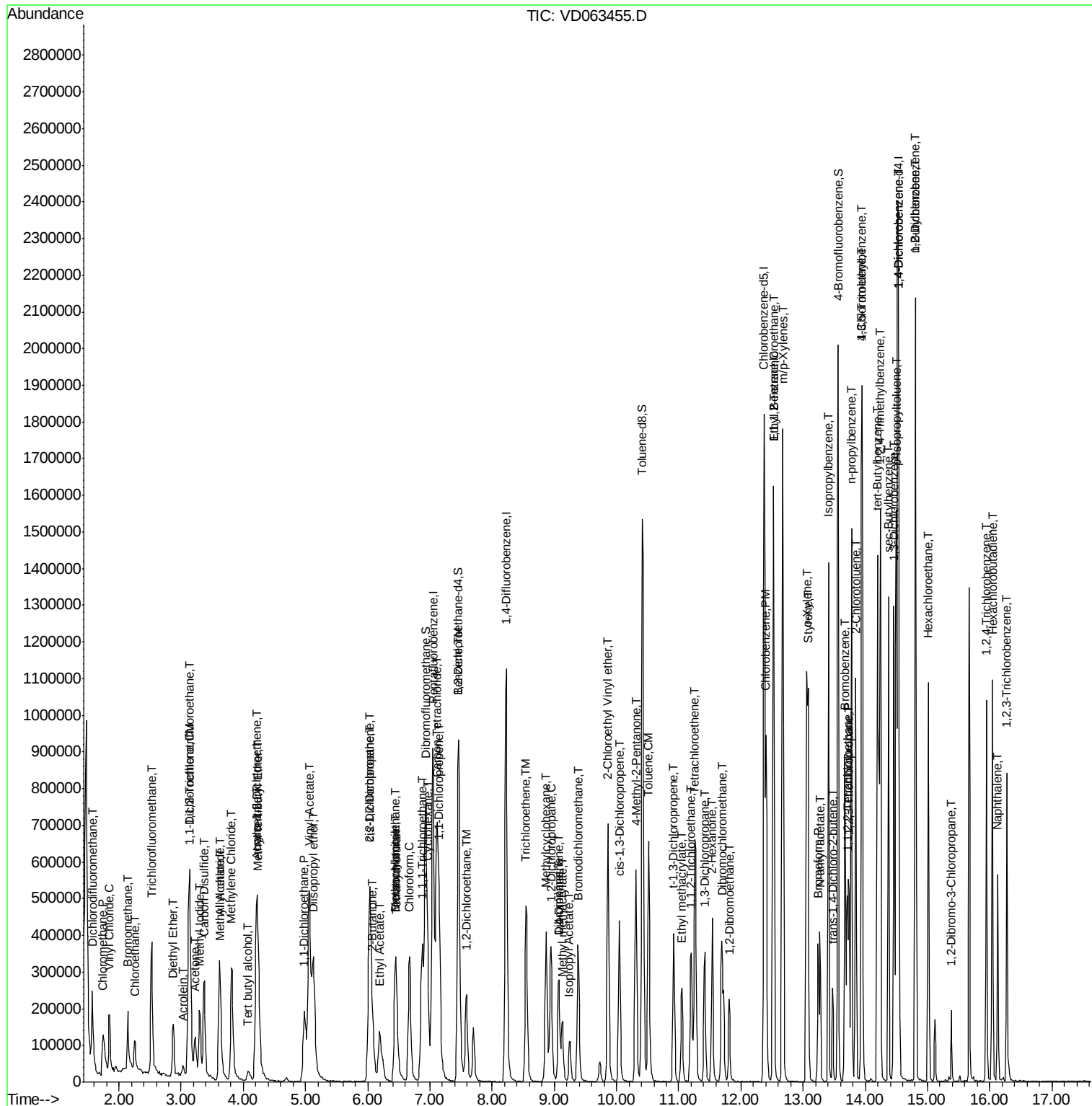
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	262359	21.862	µg/l	98
94) Hexachlorobutadiene	16.04	225	188628	21.690	µg/l	97
95) Naphthalene	16.13	128	390027	22.994	µg/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	215742	22.757	µg/l	95

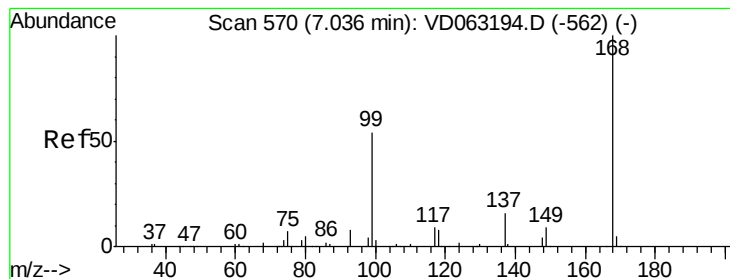
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

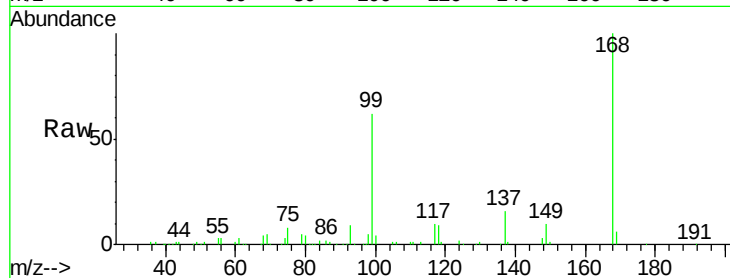
VD0808SBS02

Tot Ion:168 Resp: 869129

Ion Ratio Lower Upper

168 100

99 61.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

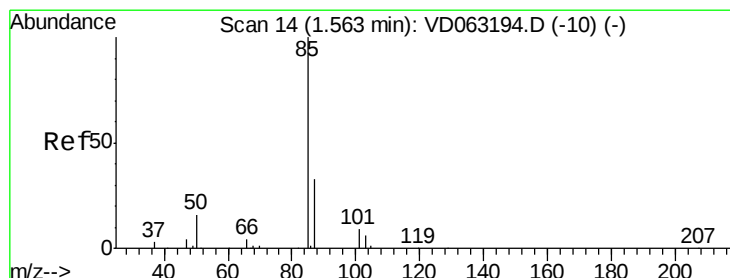
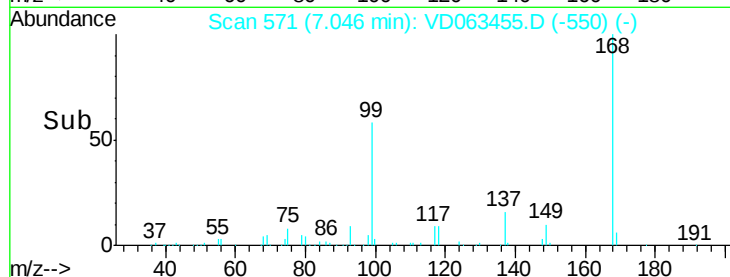
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.202 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063455.D

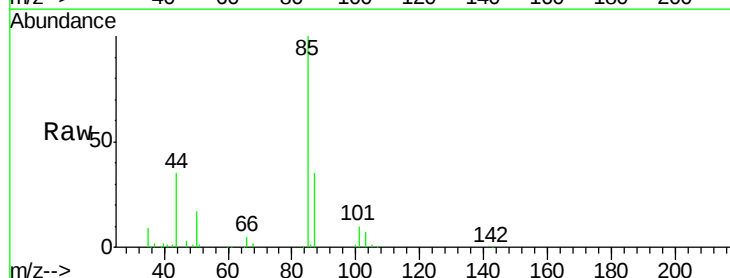
Acq: 9 Aug 2019 00:41

Tgt Ion: 85 Resp: 225250

Ion Ratio Lower Upper

85 100

87 34.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

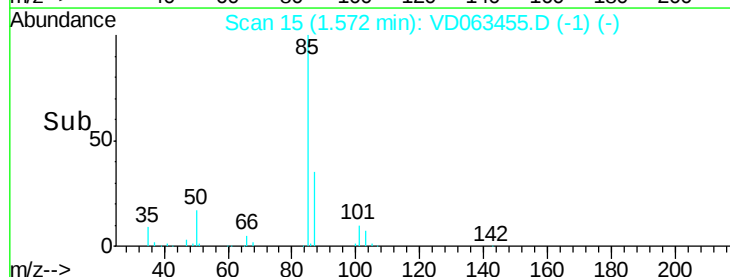
60000

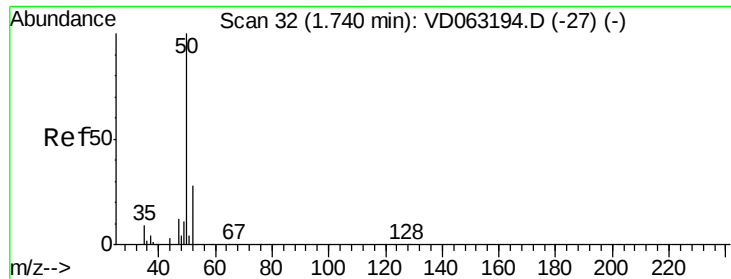
40000

20000

0

Time-->





#3

Chloromethane

Concen: 22.522 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

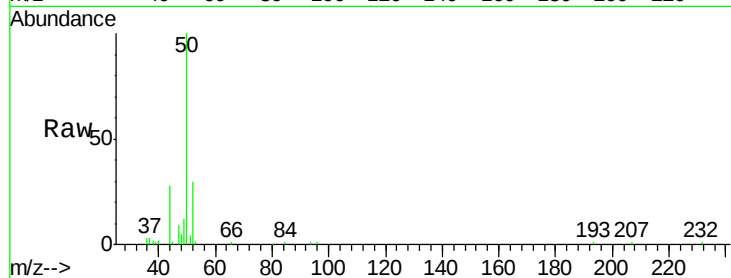
VD0808SBSD02

Tot Ion: 50 Resp: 185897

Ion Ratio Lower Upper

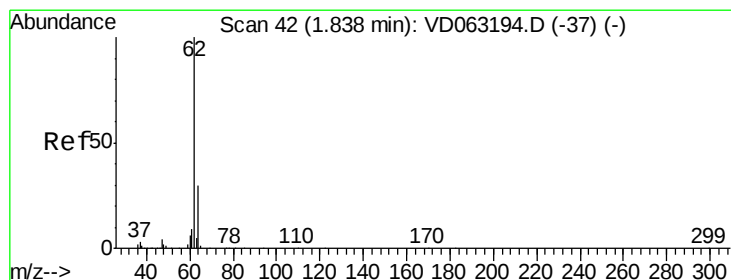
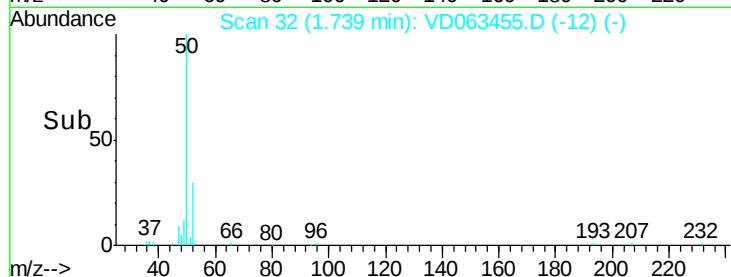
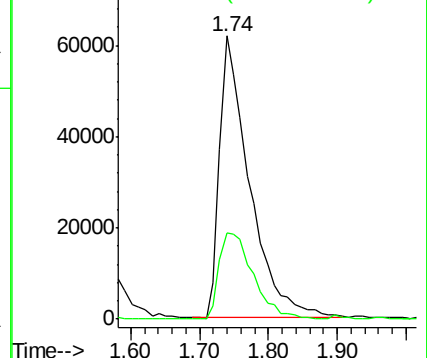
50 100

52 30.5 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.535 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063455.D

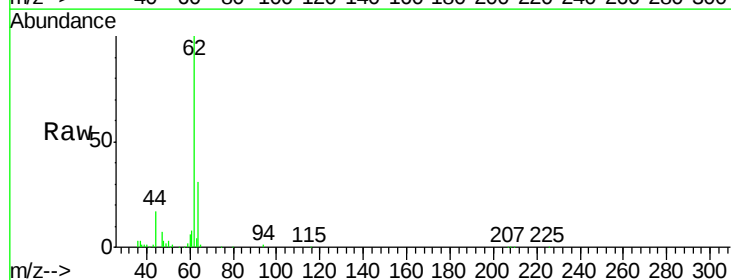
Acq: 9 Aug 2019 00:41

Tgt Ion: 62 Resp: 184014

Ion Ratio Lower Upper

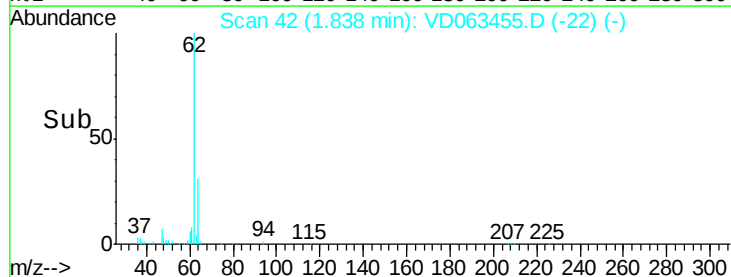
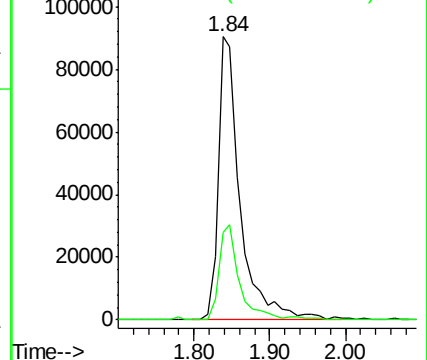
62 100

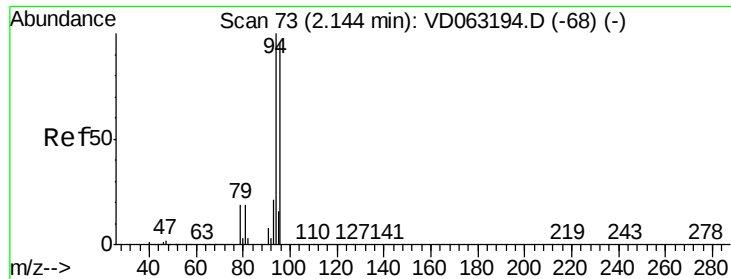
64 30.9 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.577 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

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ClientSampleId :

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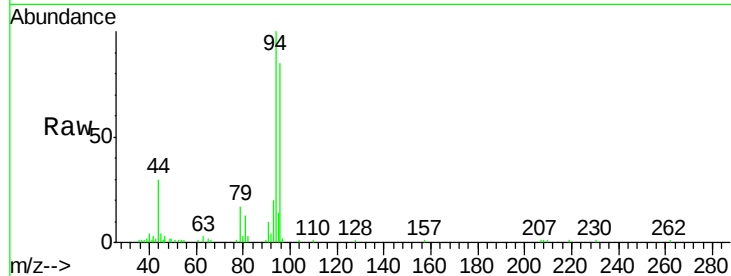
Tot Ion: 94 Resp: 88678

Ion Ratio Lower Upper

94 100

96 85.1 76.4 114.6

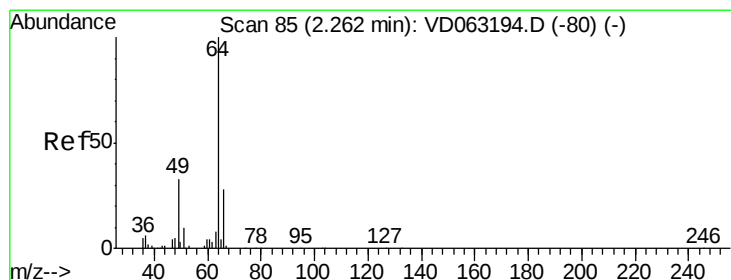
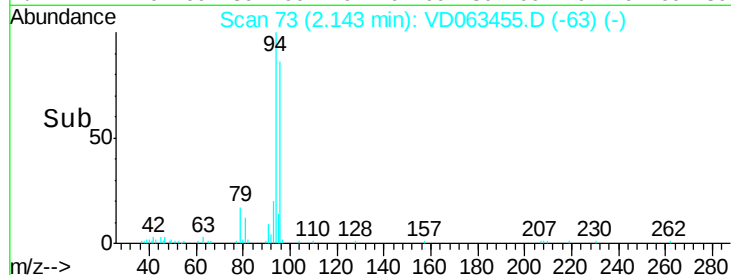
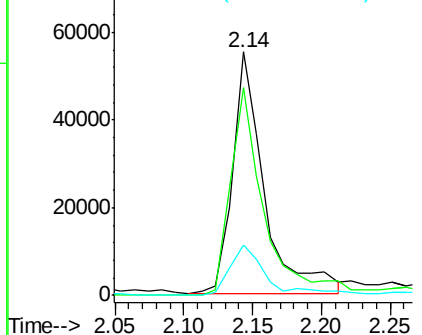
93 20.4 17.3 25.9



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: 18.271 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063455.D

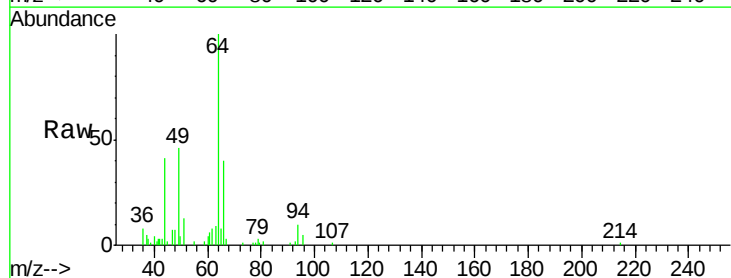
Acq: 9 Aug 2019 00:41

Tgt Ion: 64 Resp: 72083

Ion Ratio Lower Upper

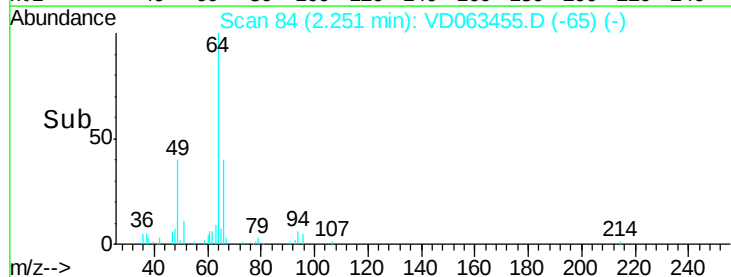
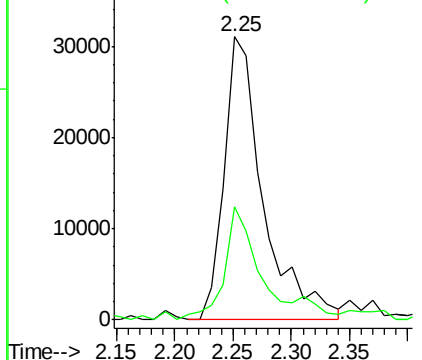
64 100

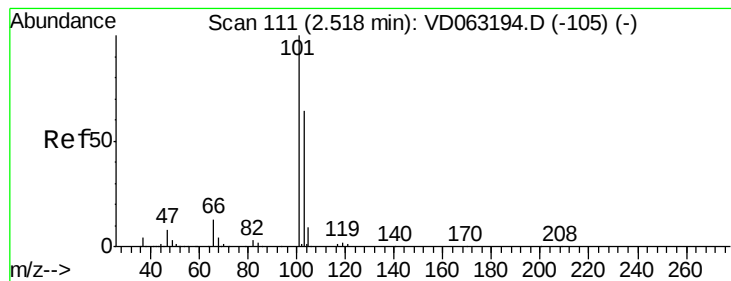
66 40.0 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



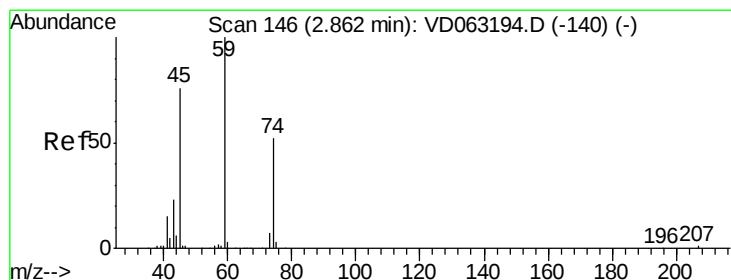
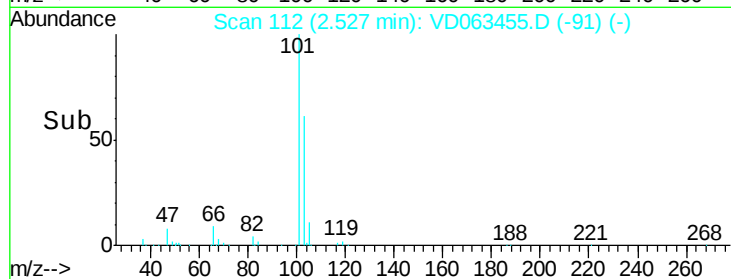
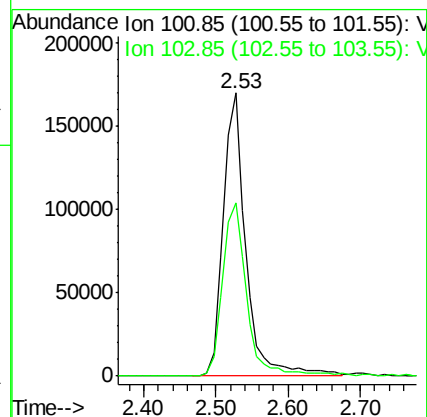
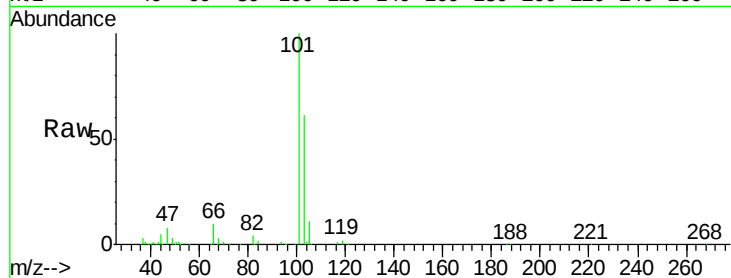


#7

Trichlorofluoromethane
Concen: 22.195 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Instrument :
MSVOA_D
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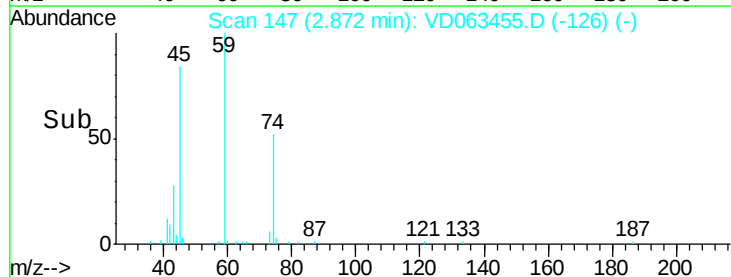
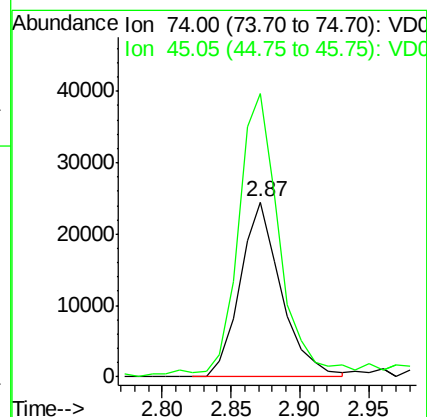
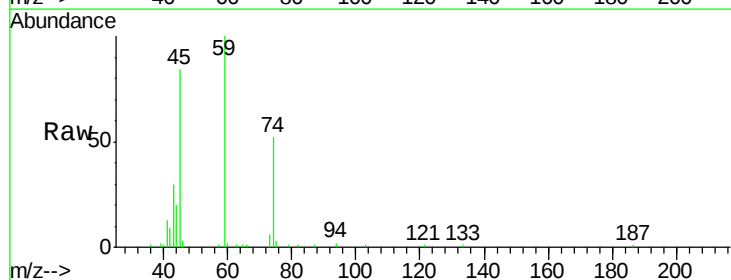
Tot Ion:101 Resp: 367930
Ion Ratio Lower Upper
101 100
103 61.4 51.5 77.3

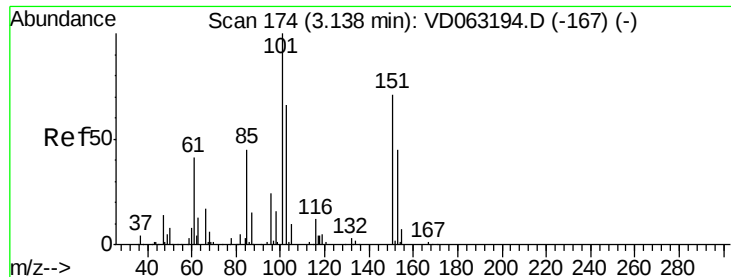


#8

Diethyl Ether
Concen: 21.916 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 74 Resp: 50846
Ion Ratio Lower Upper
74 100
45 162.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.223 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD02

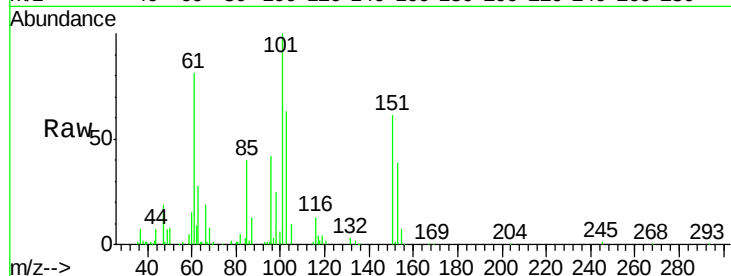
Tot Ion:101 Resp: 213250

Ion Ratio Lower Upper

101 100

85 39.8 36.1 54.1

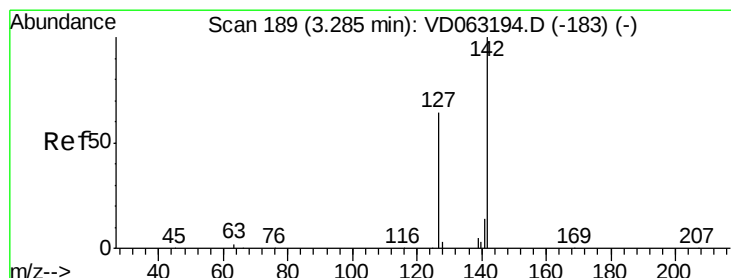
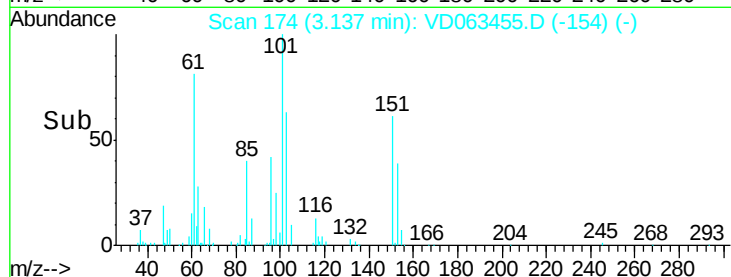
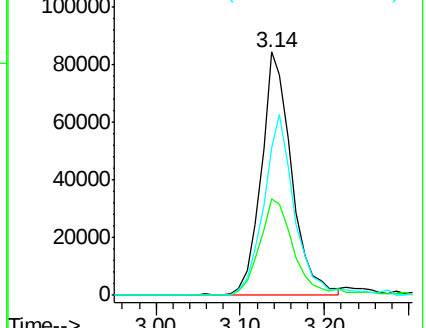
151 60.8 57.1 85.7



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: 20.728 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

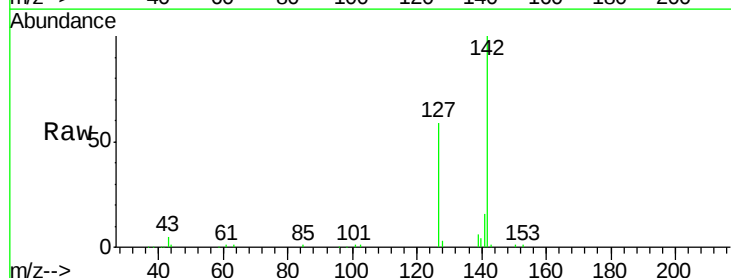
Tgt Ion:142 Resp: 274969

Ion Ratio Lower Upper

142 100

127 59.5 50.8 76.2

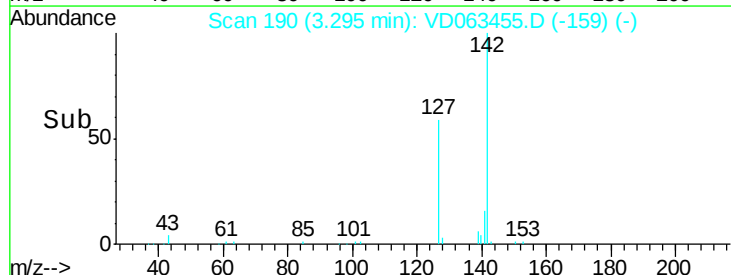
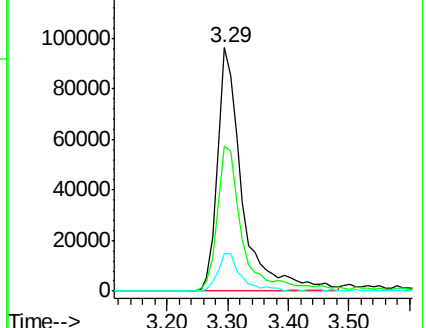
141 15.6 11.4 17.2

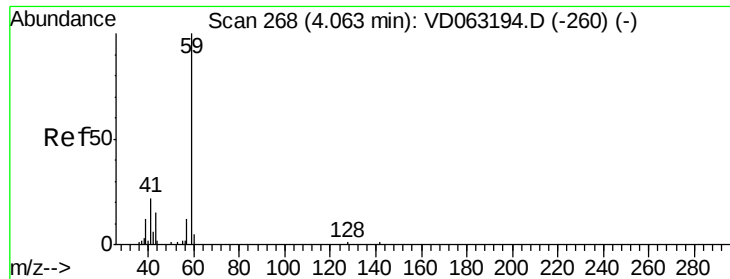


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



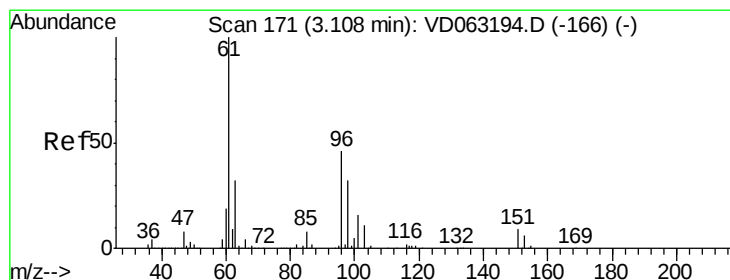
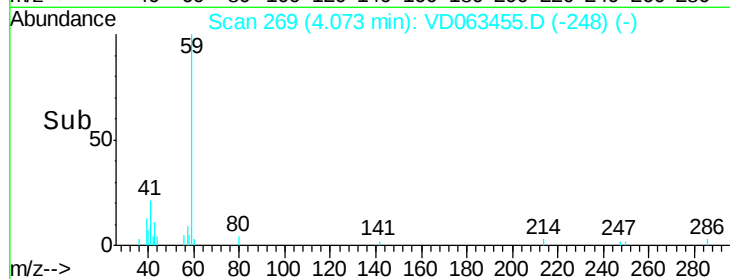
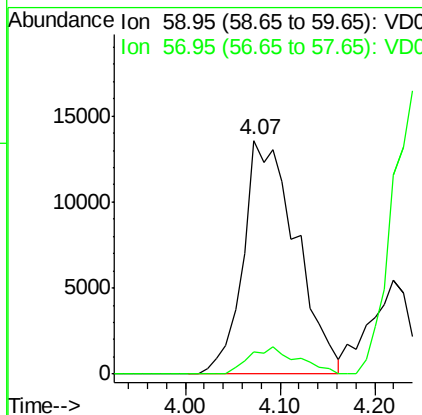
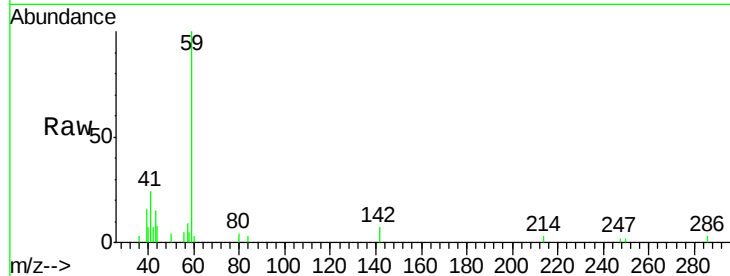


#11

Tert butyl alcohol
 Concen: 123.998 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD02

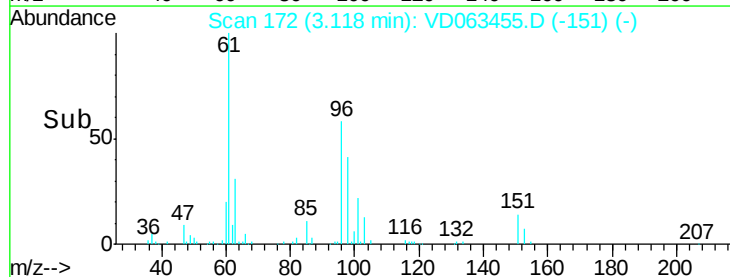
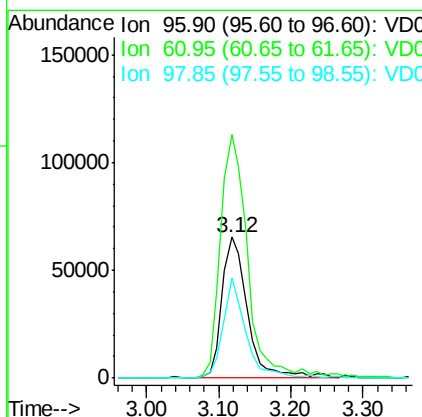
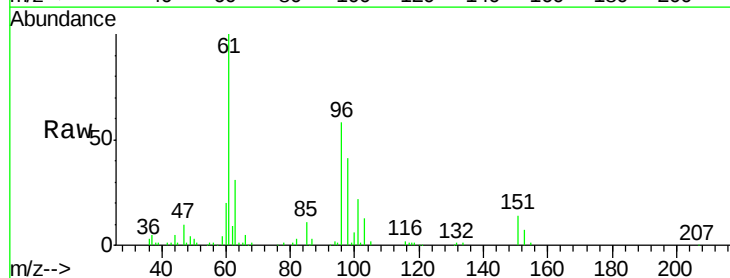
Tot Ion: 59 Resp: 52478
 Ion Ratio Lower Upper
 59 100
 57 9.5 9.6 14.4#

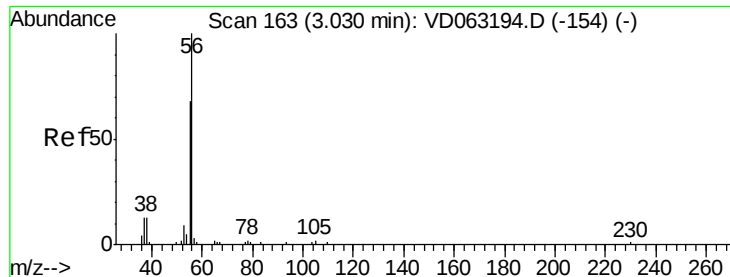


#12

1,1-Dichloroethene
 Concen: 24.006 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion: 96 Resp: 161828
 Ion Ratio Lower Upper
 96 100
 61 172.7 173.7 260.5#
 98 70.7 55.8 83.8





#13

Acrolein

Concen: 66.110 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

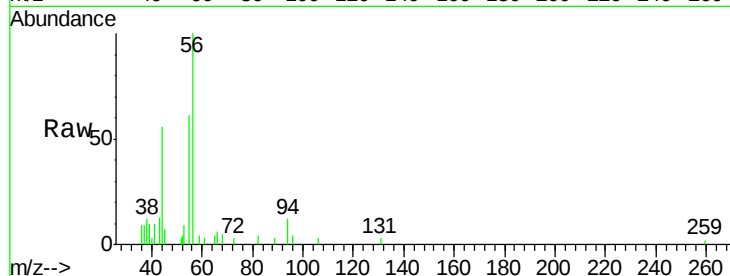
VD0808SBSD02

Tot Ion: 56 Resp: 26927

Ion Ratio Lower Upper

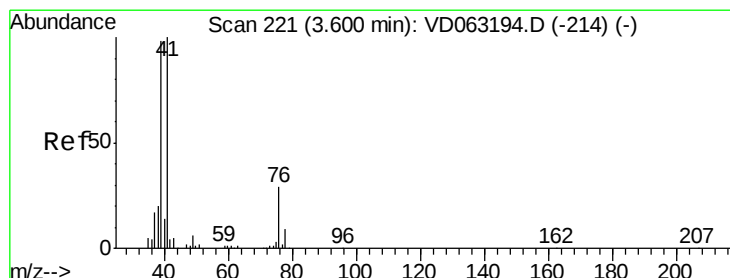
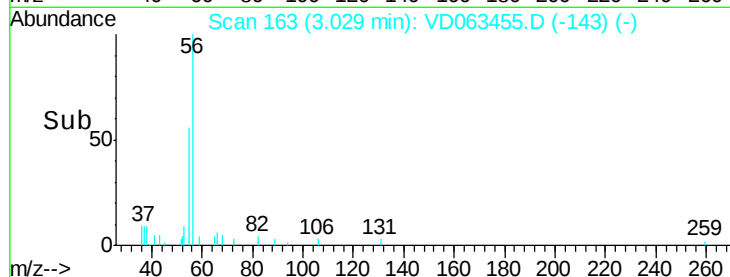
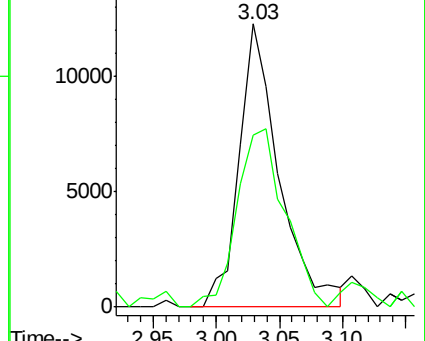
56 100

55 60.6 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.911 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

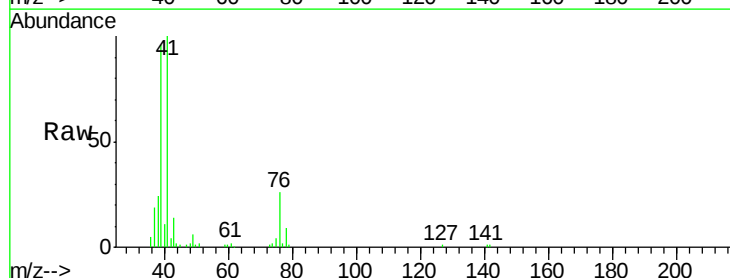
Tgt Ion: 41 Resp: 256784

Ion Ratio Lower Upper

41 100

39 95.6 78.6 117.8

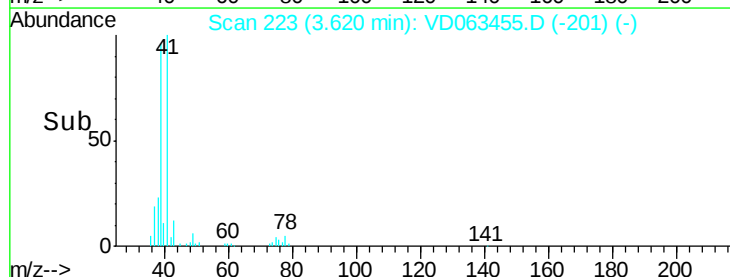
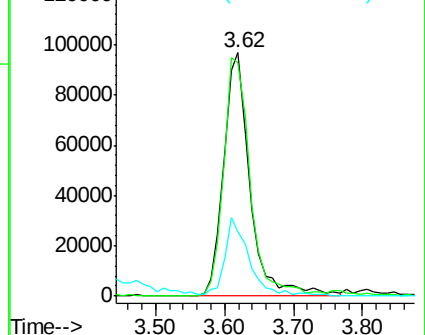
76 26.2 24.5 36.7

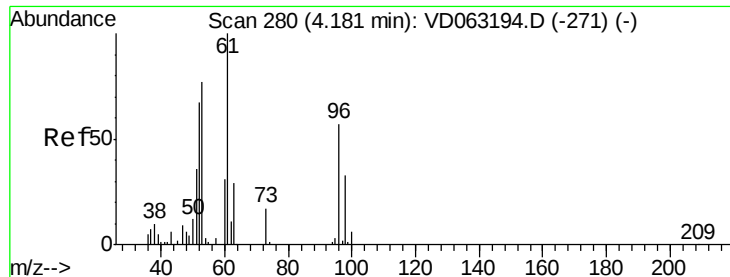


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 121.980 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

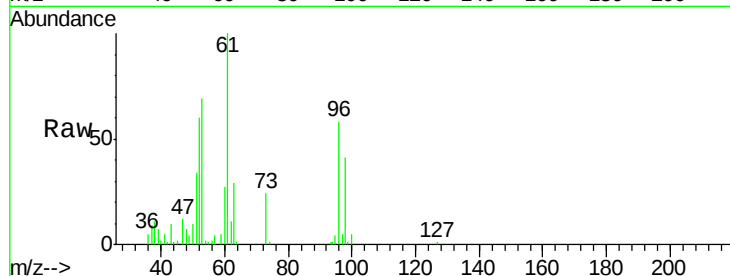
Tot Ion: 53 Resp: 133840

Ion Ratio Lower Upper

53 100

52 86.8 69.7 104.5

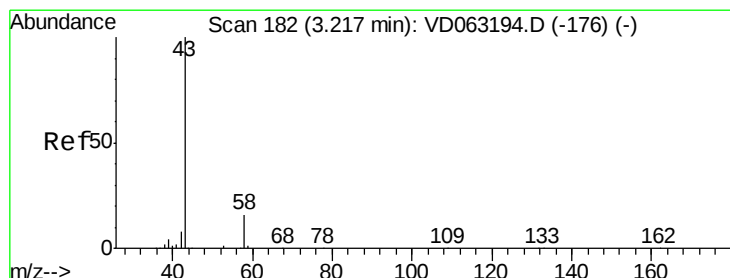
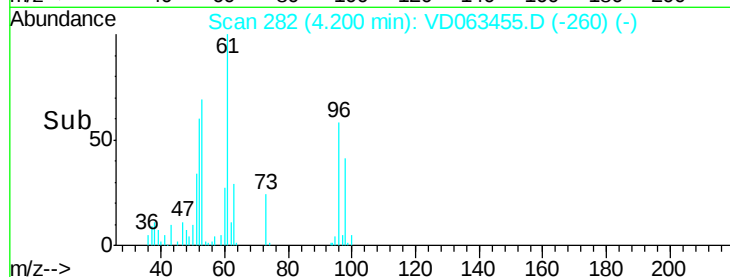
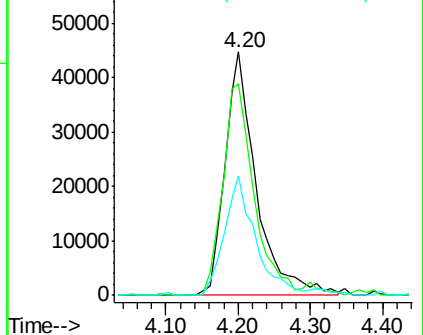
51 49.3 37.4 56.0



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: 106.939 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063455.D

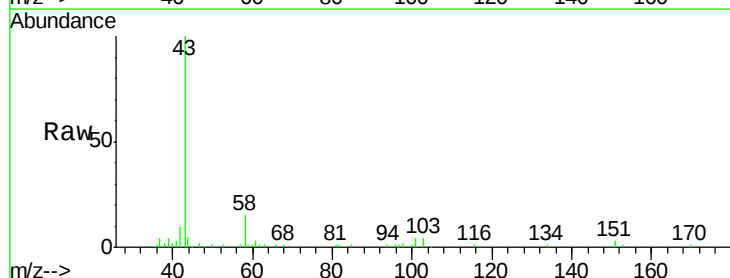
Acq: 9 Aug 2019 00:41

Tgt Ion: 43 Resp: 200937

Ion Ratio Lower Upper

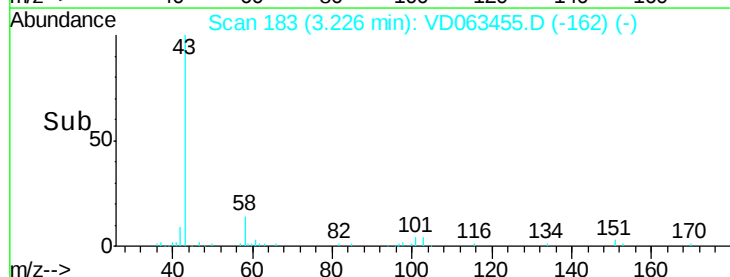
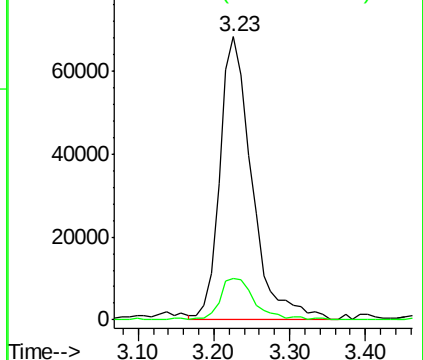
43 100

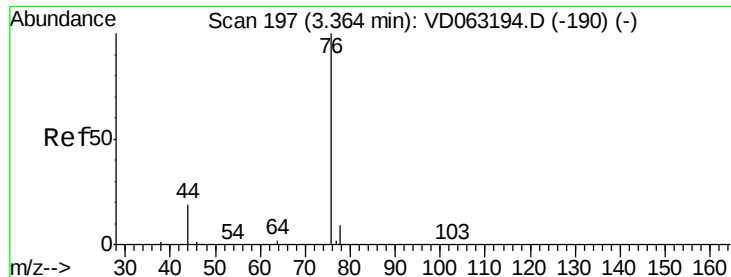
58 14.6 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

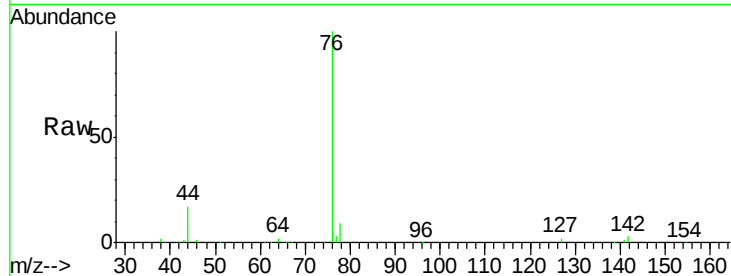




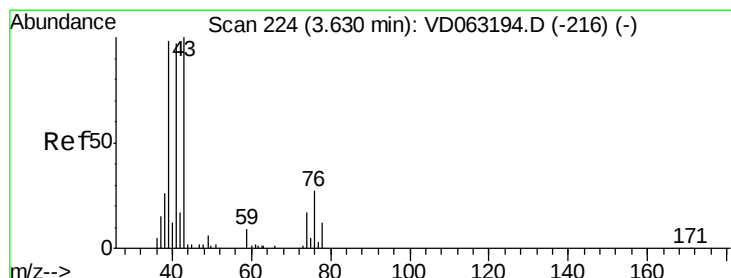
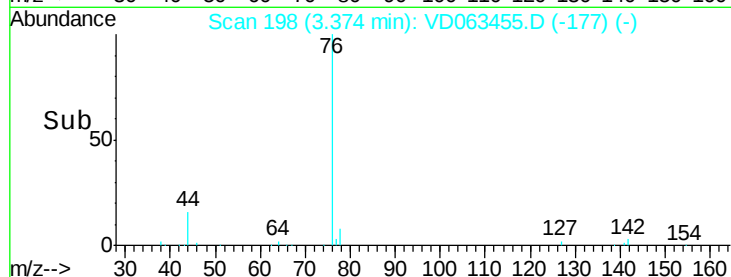
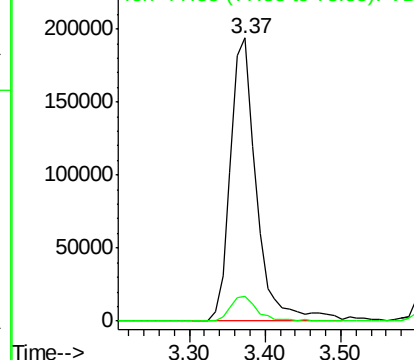
#17
Carbon Disulfide
Concen: 20.484 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

Tot Ion: 76 Resp: 462188
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

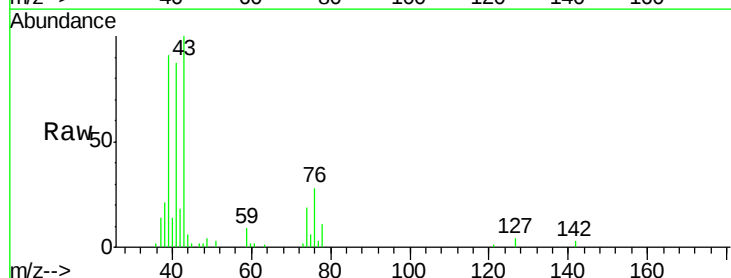


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

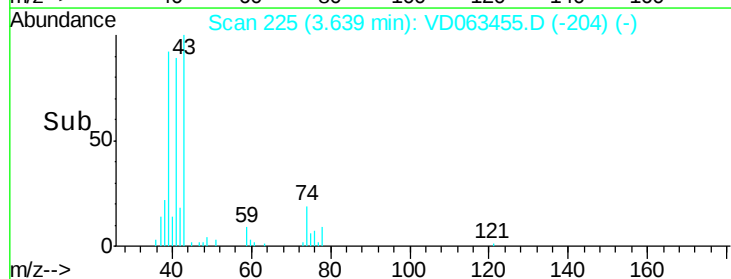
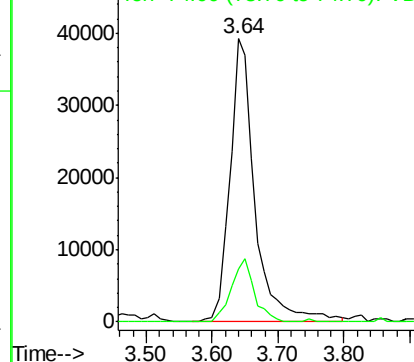


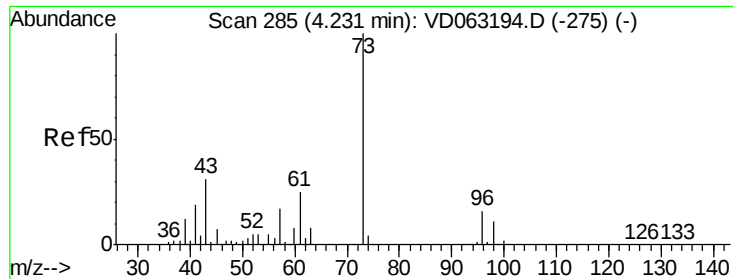
#18
Methyl Acetate
Concen: 28.887 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 43 Resp: 104258
Ion Ratio Lower Upper
43 100
74 18.7 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

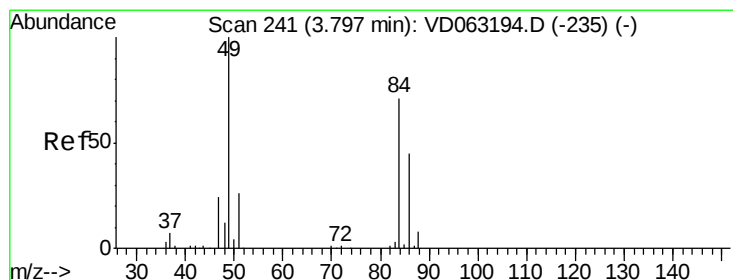
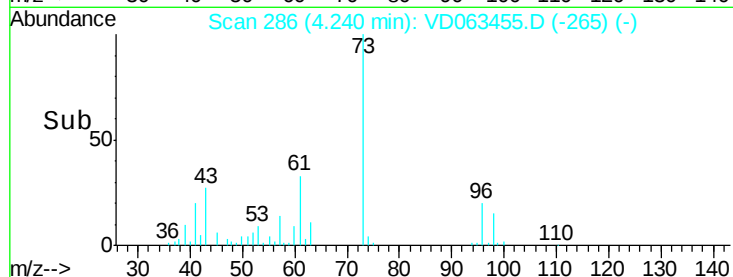
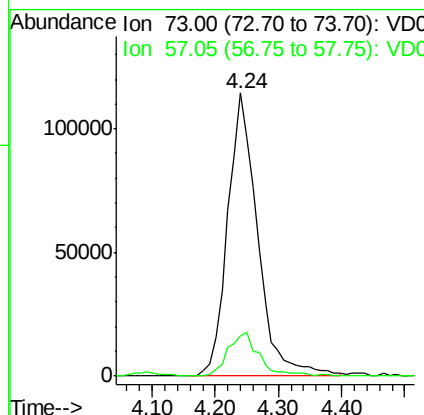
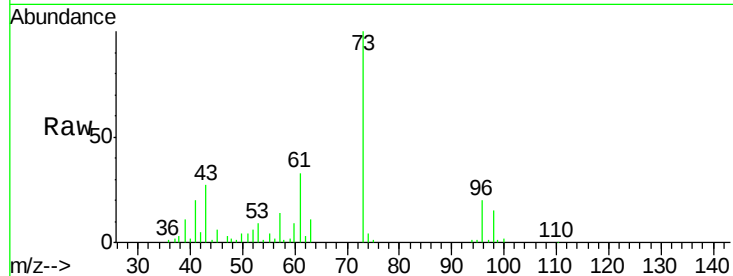




#19
Methvl tert-butvl Ether
Concen: 24.737 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

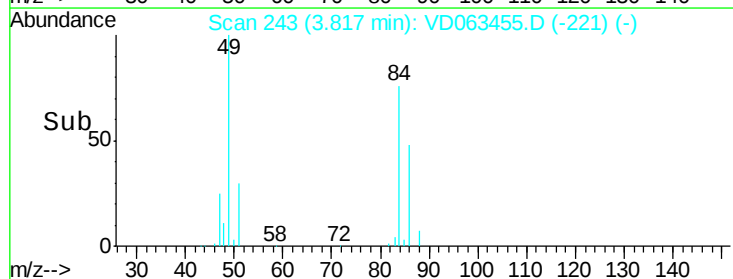
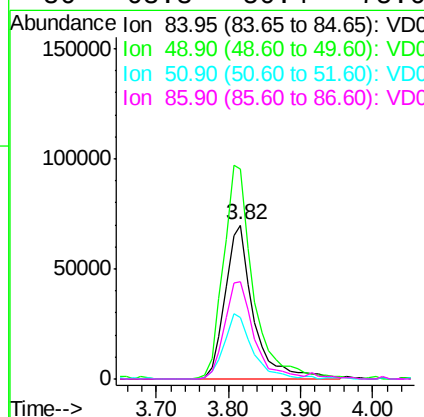
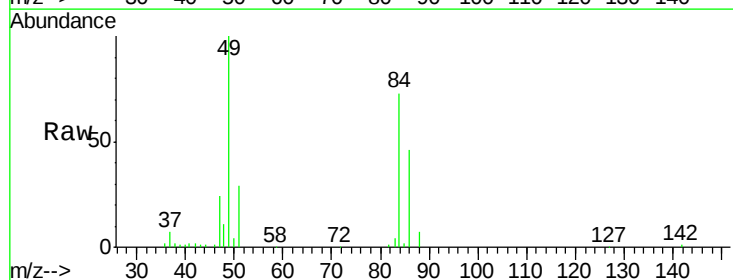
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

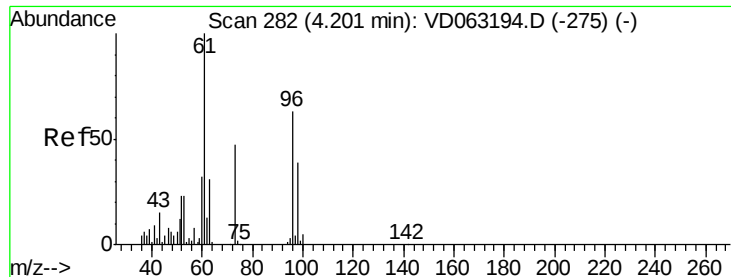
Tot Ion: 73 Resp: 376679
Ion Ratio Lower Upper
73 100
57 14.4 13.8 20.6



#20
Methylene Chloride
Concen: 24.986 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 84 Resp: 189775
Ion Ratio Lower Upper
84 100
49 136.3 112.5 168.7
51 40.1 29.6 44.4
86 63.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 22.819 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

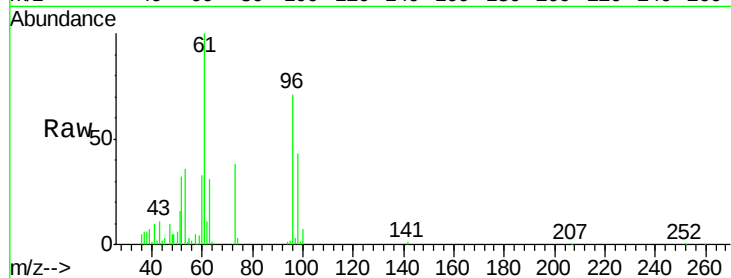
Tot Ion: 96 Resp: 172606

Ion Ratio Lower Upper

96 100

61 140.2 127.4 191.2

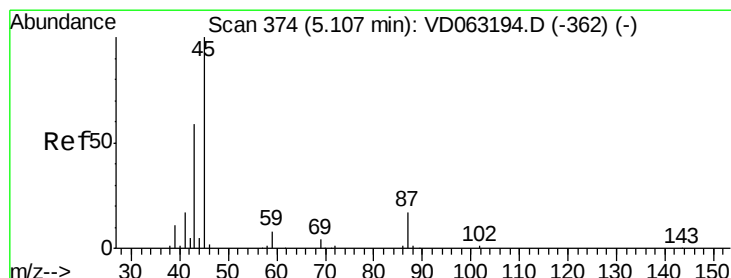
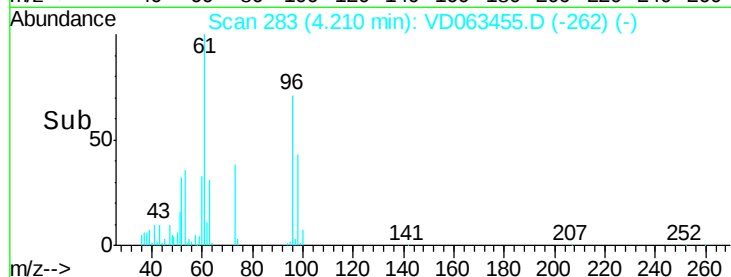
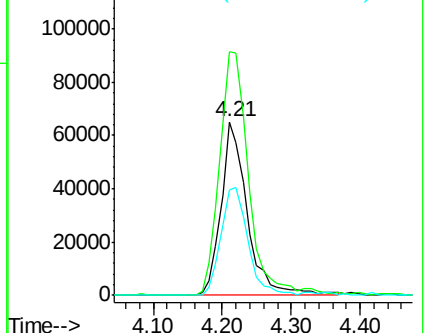
98 60.4 49.3 73.9



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: 24.137 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Tgt Ion: 45 Resp: 517864

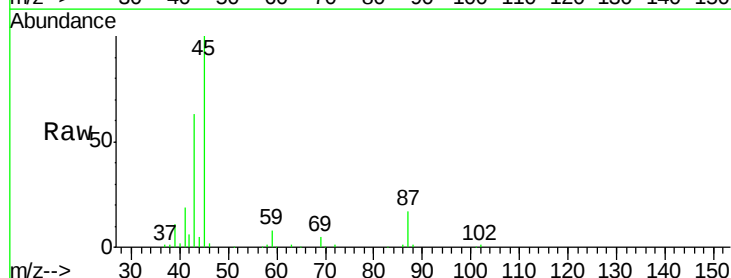
Ion Ratio Lower Upper

45 100

43 63.1 51.7 77.5

87 17.1 14.6 21.8

59 8.2 6.6 10.0

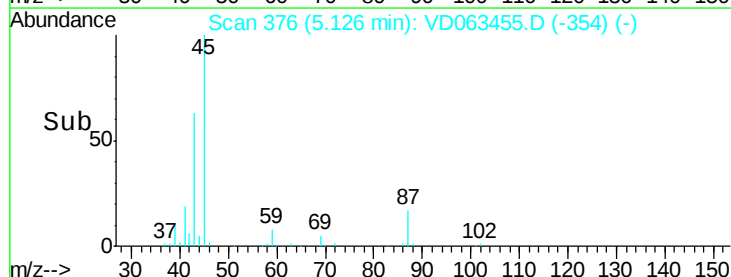
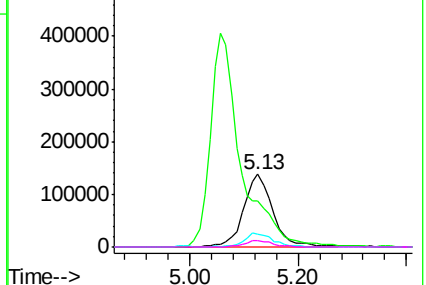


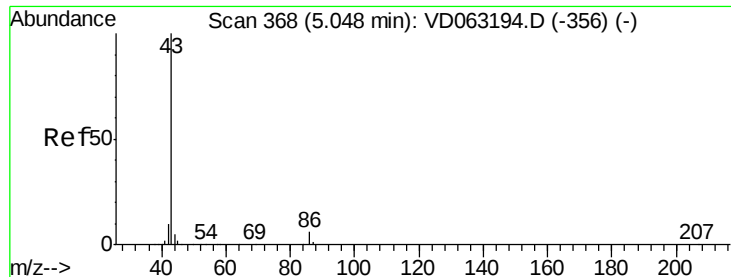
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 118.678 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleID :

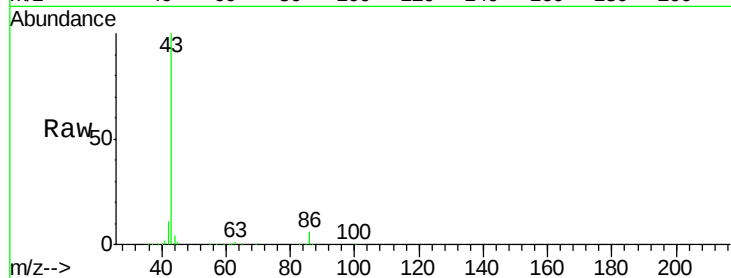
VD0808SBSD02

Tot Ion: 43 Resp: 1565220

Ion Ratio Lower Upper

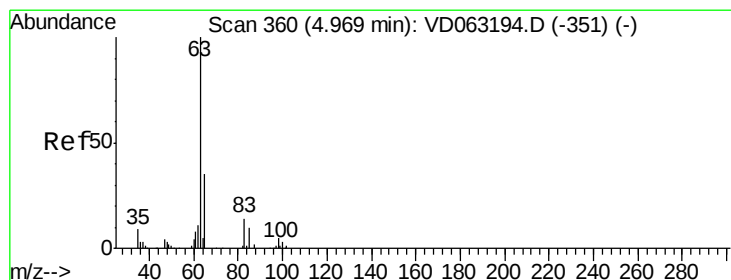
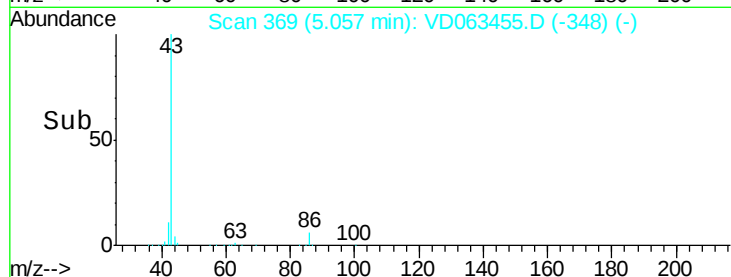
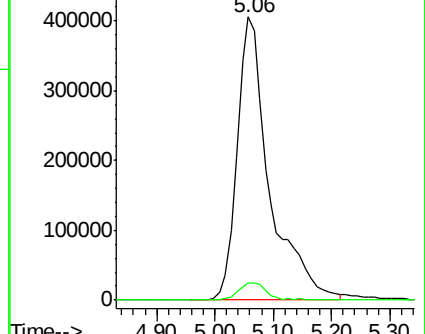
43 100

86 6.2 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.615 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

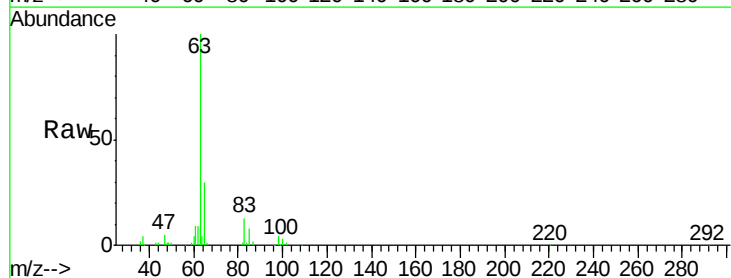
Tgt Ion: 63 Resp: 323645

Ion Ratio Lower Upper

63 100

98 4.2 2.8 8.4

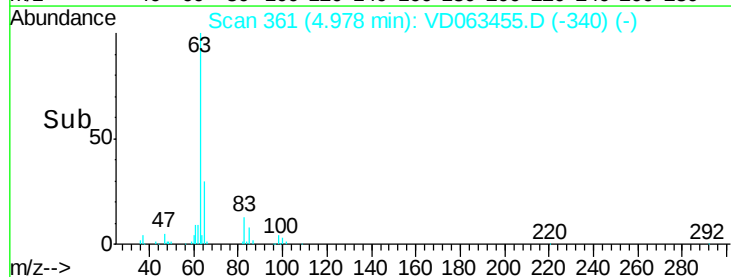
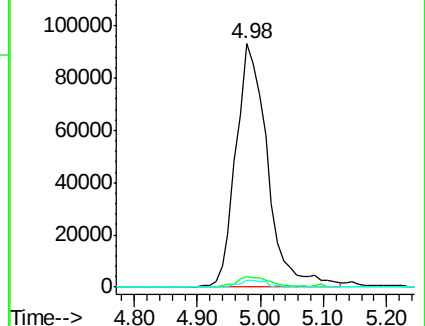
100 2.9 1.3 3.9

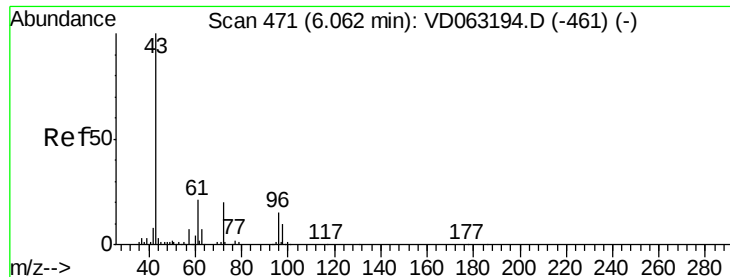


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

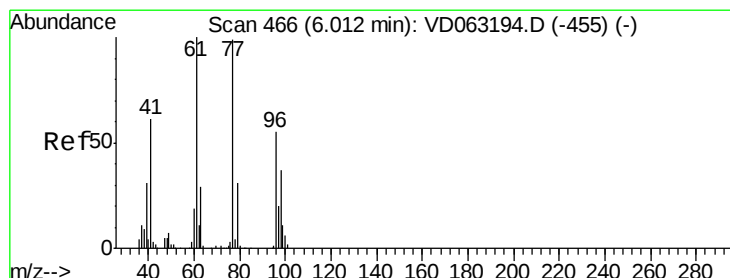
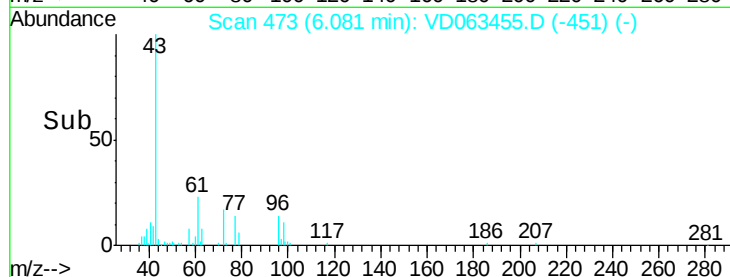
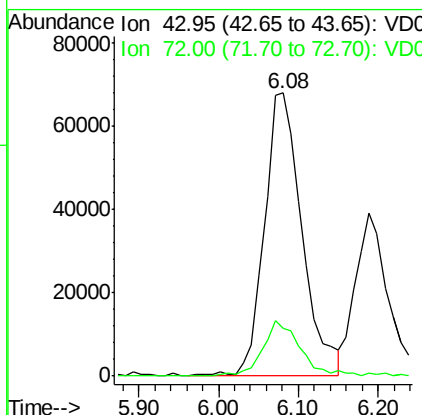
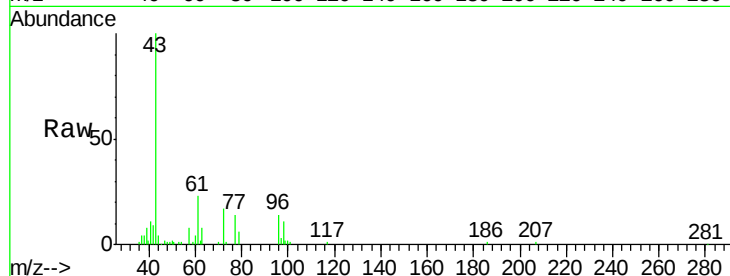




#25
2-Butanone
Concen: 118.544 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.02 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

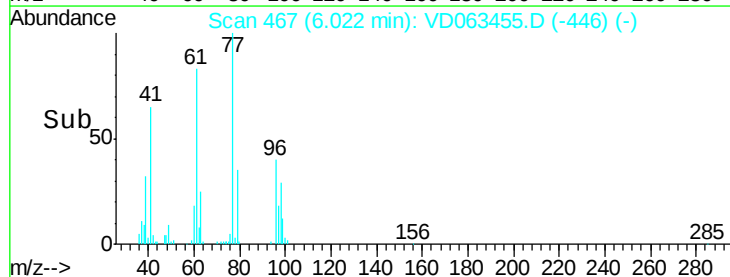
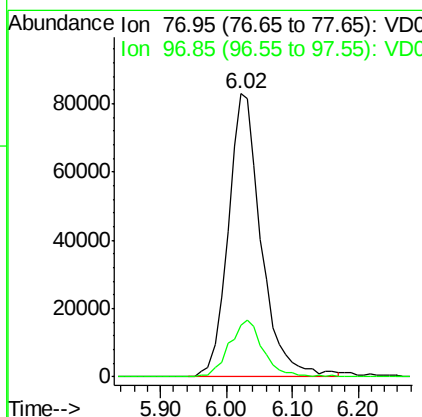
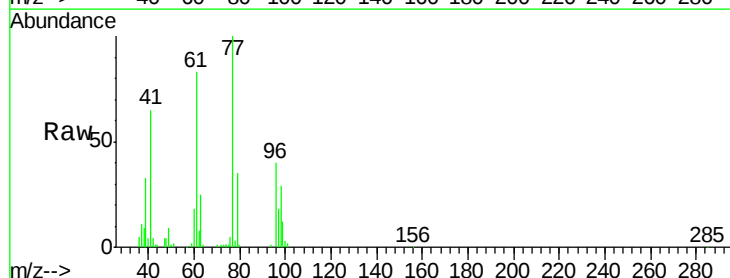
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

Tot Ion: 43 Resp: 223542
Ion Ratio Lower Upper
43 100
72 17.1 16.3 24.5



#26
2,2-Dichloropropane
Concen: 20.524 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 77 Resp: 289873
Ion Ratio Lower Upper
77 100
97 18.5 10.2 30.6



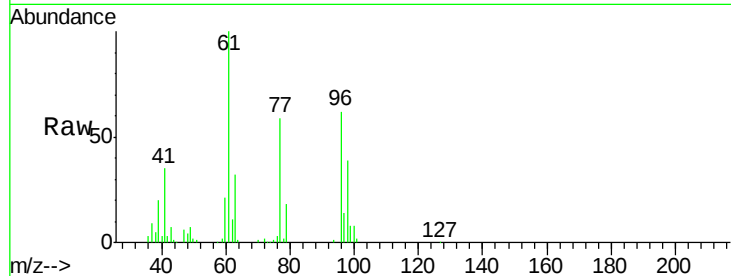


#27

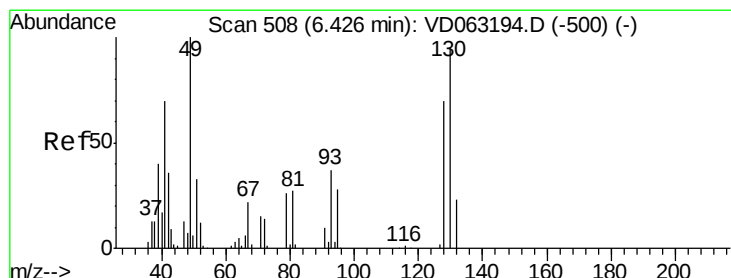
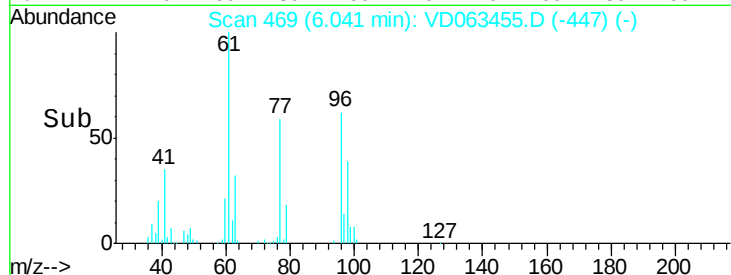
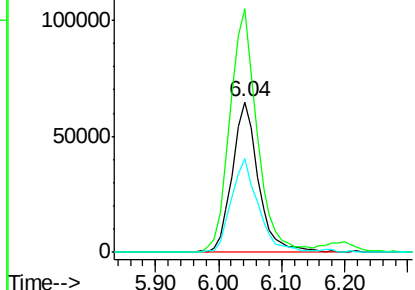
cis-1,2-Dichloroethene
 Concen: 22.835 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD02

Tot Ion	96	Resp	185184
Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	337.2
98	62.4	0.0	130.6



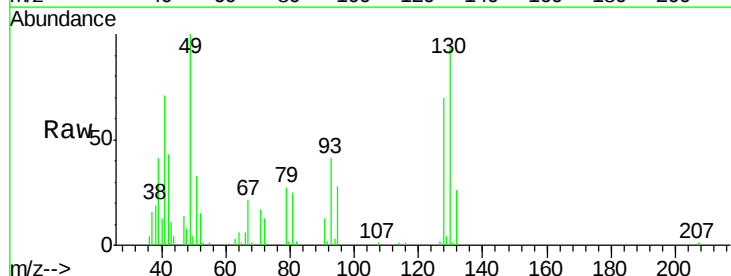
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



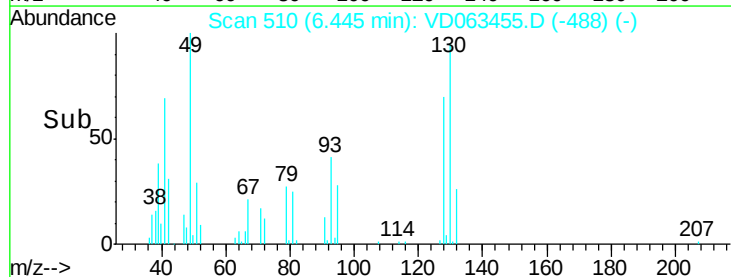
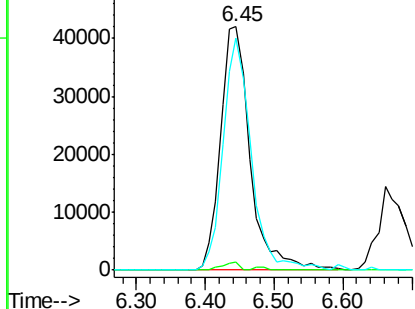
#28

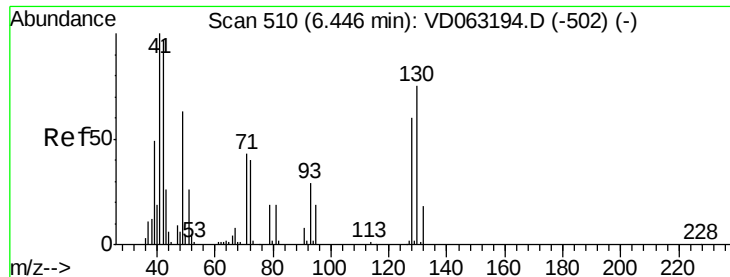
Bromochloromethane
 Concen: 23.032 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.02 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion	49	Resp	125762
Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	0.0#
130	95.5	75.7	113.5



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

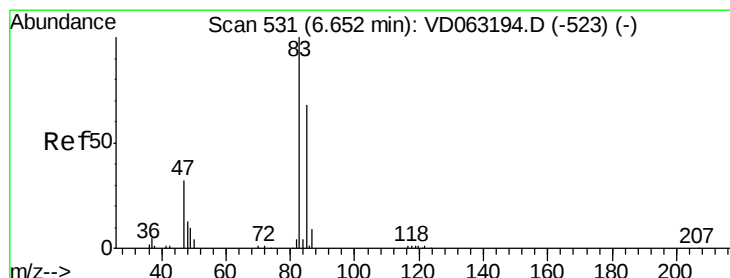
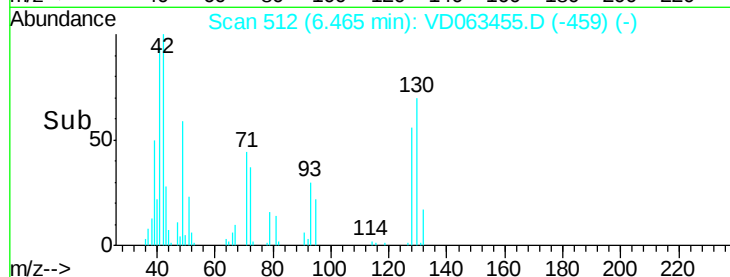
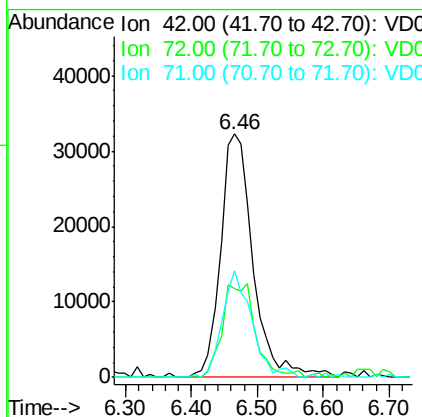
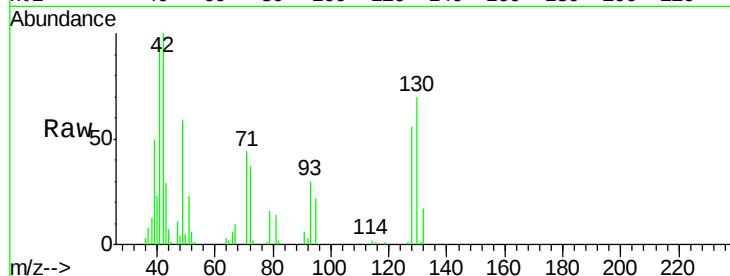




#29
Tetrahydrofuran
Concen: 124.035 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

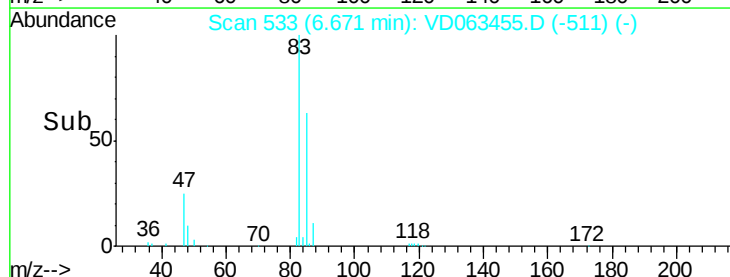
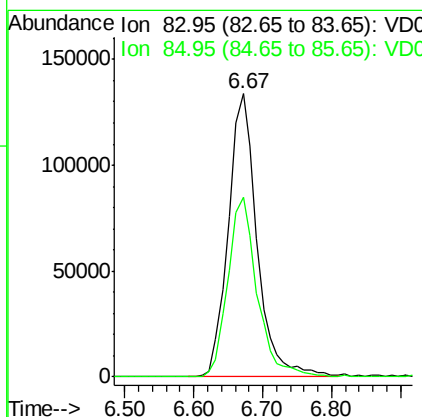
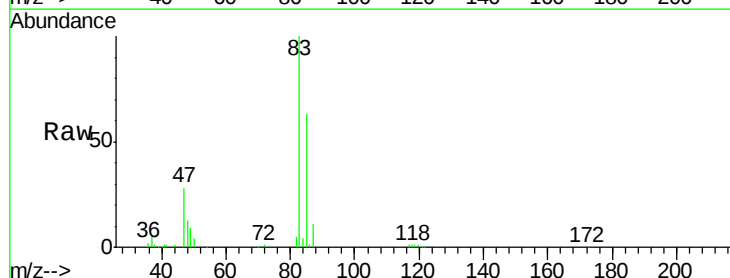
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

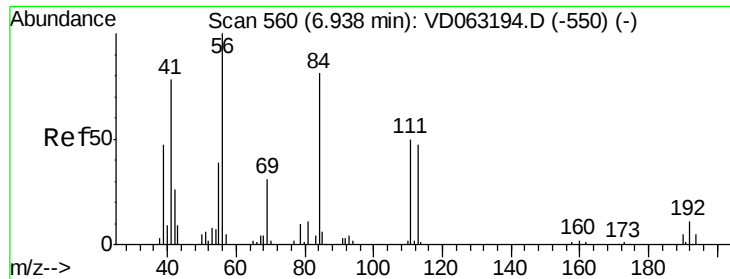
Tot Ion: 42 Resp: 110738
Ion Ratio Lower Upper
42 100
72 39.9 33.4 50.2
71 39.9 35.7 53.5



#30
Chloroform
Concen: 22.811 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.02 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 83 Resp: 387962
Ion Ratio Lower Upper
83 100
85 63.4 54.2 81.4

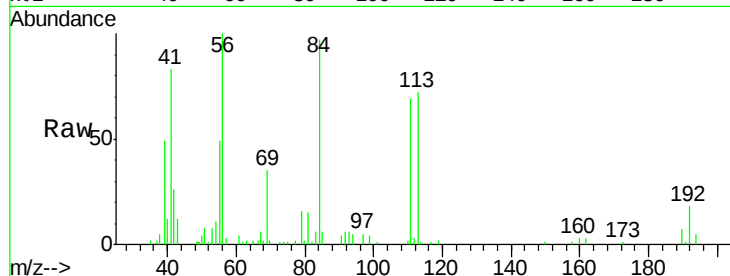




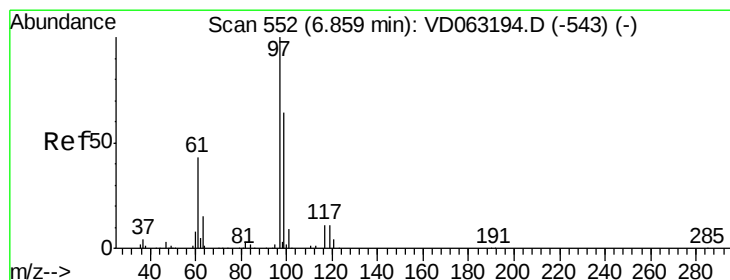
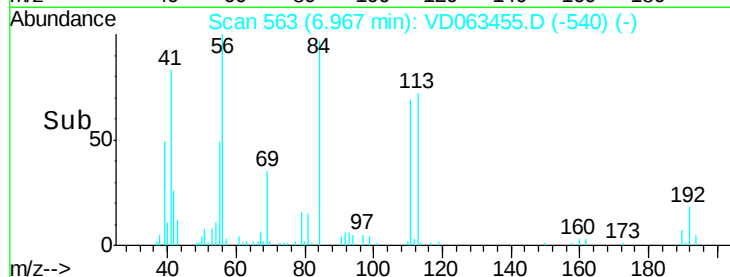
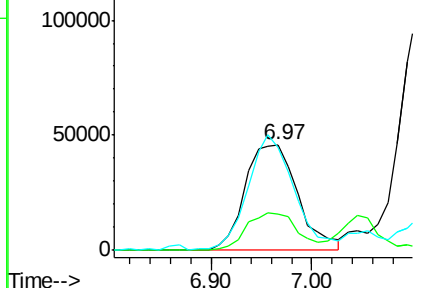
#31
Cyclohexane
Concen: 19.480 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

Tot Ion: 56 Resp: 167338
Ion Ratio Lower Upper
56 100
69 34.6 24.5 36.7
84 97.3 64.9 97.3

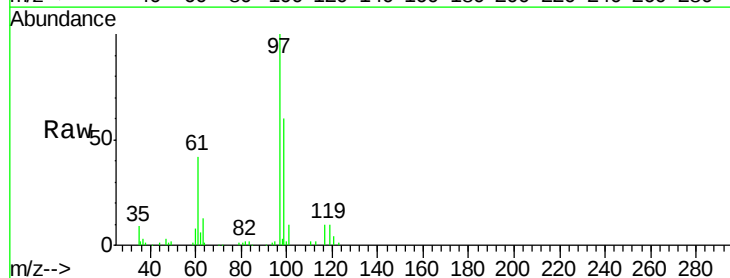


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

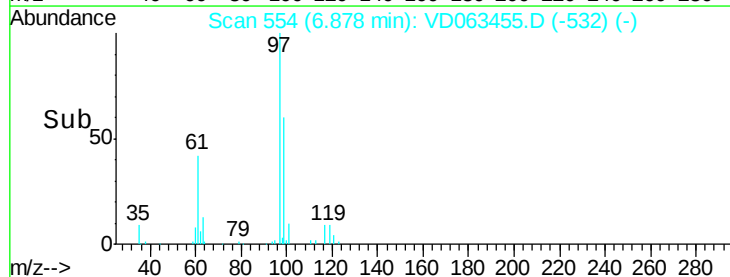
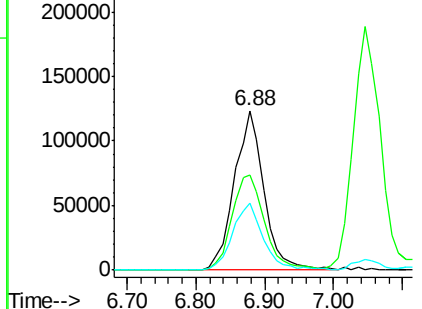


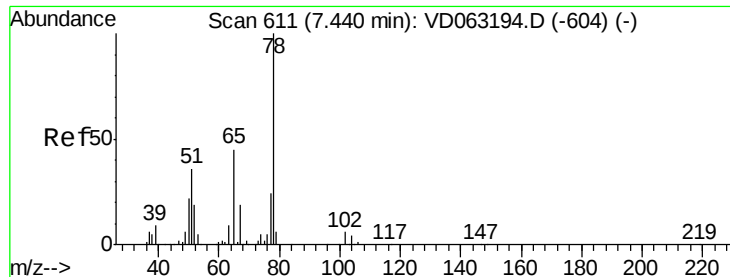
#32
1,1,1-Trichloroethane
Concen: 22.442 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.02 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 97 Resp: 369197
Ion Ratio Lower Upper
97 100
99 60.2 51.2 76.8
61 42.1 34.2 51.2



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: 54.104 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

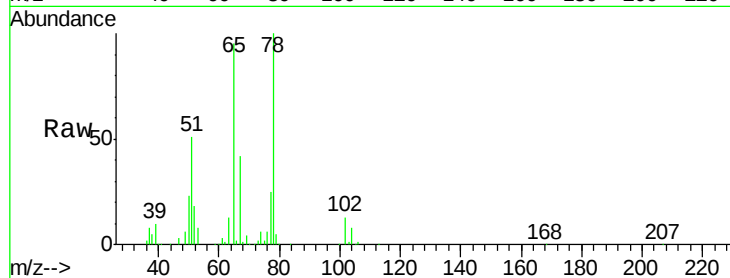
VD0808SBSD02

Tot Ion: 65 Resp: 521768

Ion Ratio Lower Upper

65 100

67 43.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

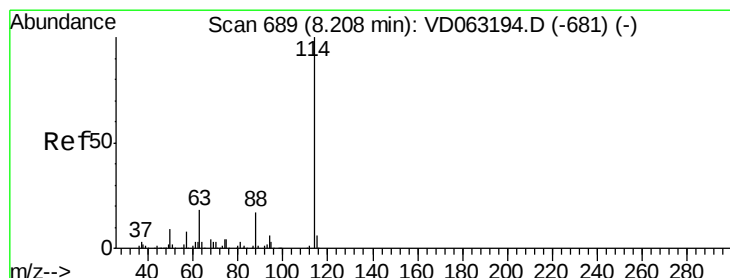
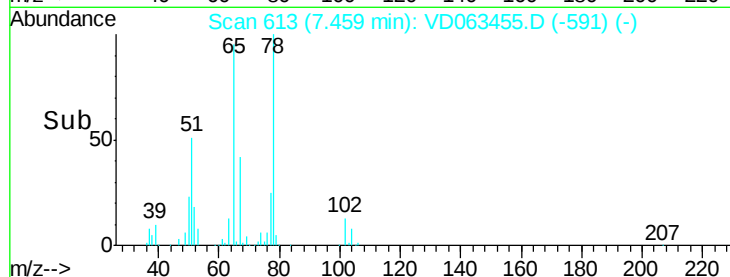
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

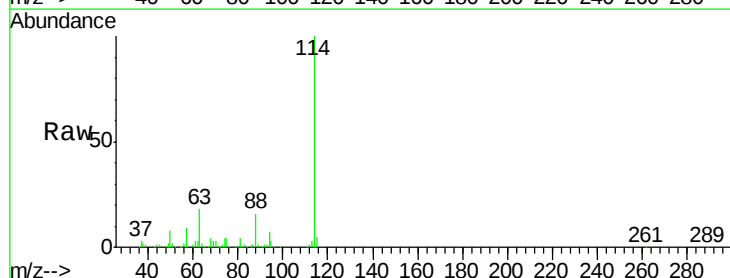
Tgt Ion: 114 Resp: 1229932

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.2

88 16.0 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

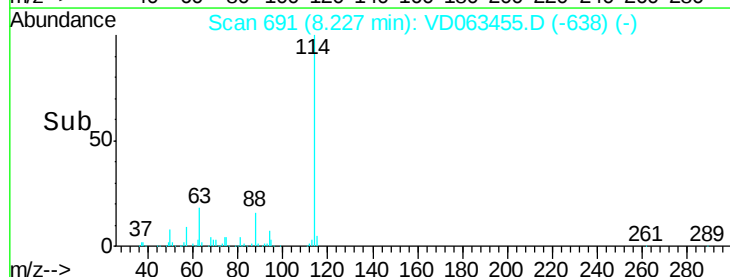
600000

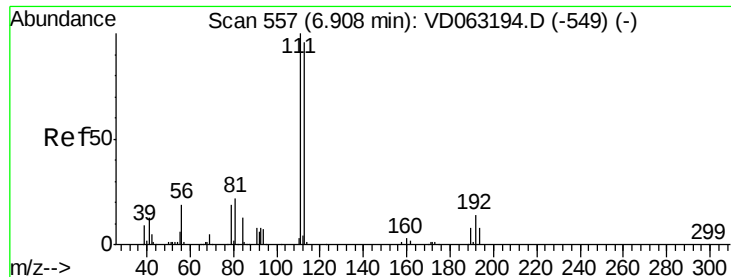
400000

200000

0

Time--> 8.20 8.40

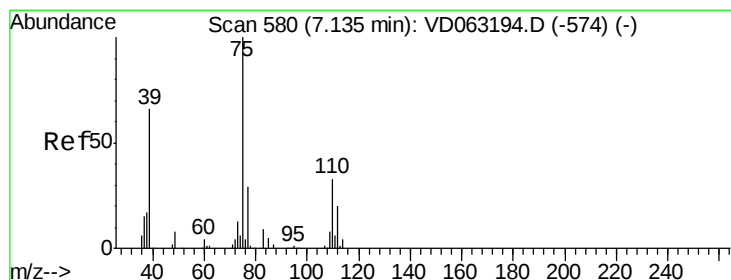
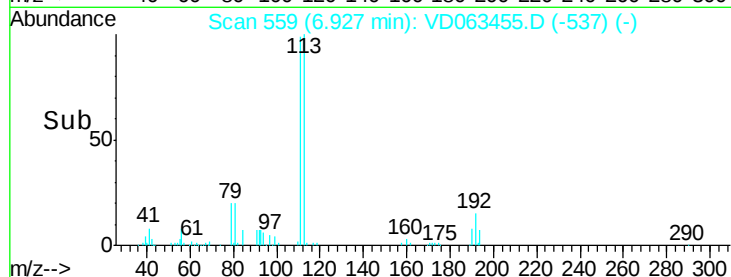
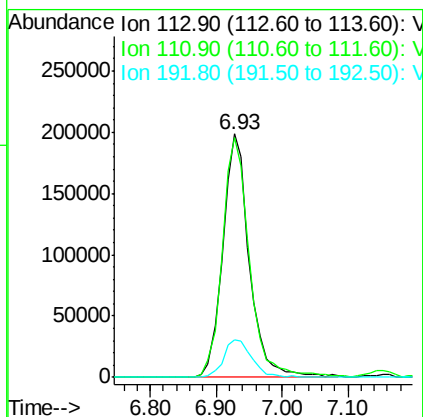
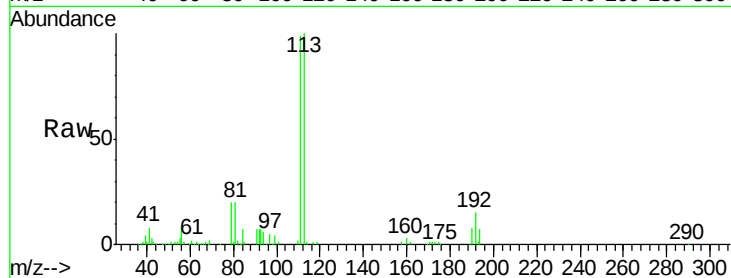




#35
 Dibromofluoromethane
 Concen: 53.163 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

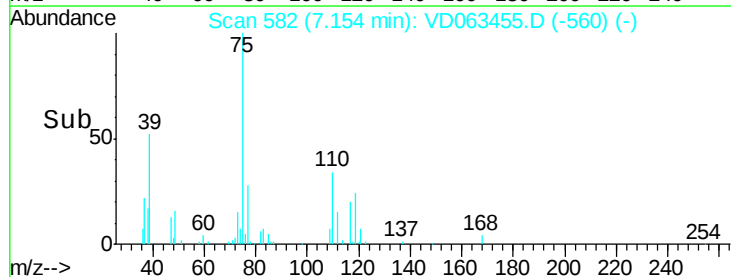
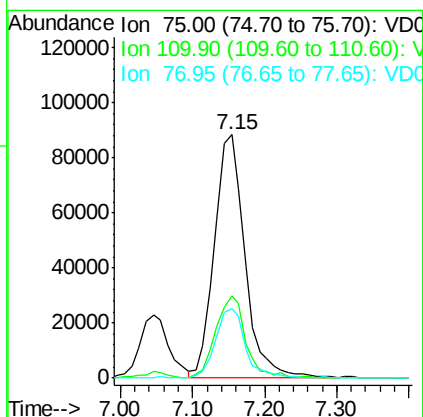
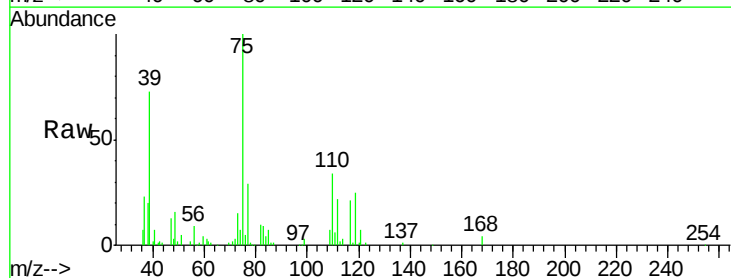
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD02

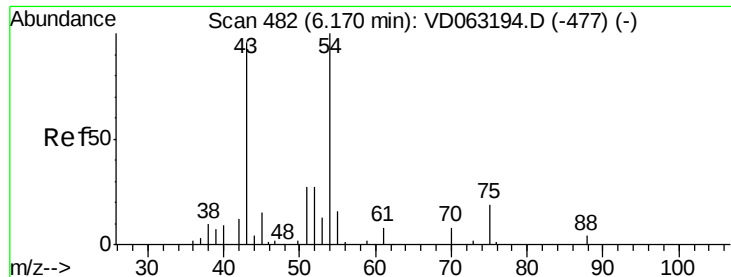
Tot Ion:113 Resp: 558260
 Ion Ratio Lower Upper
 113 100
 111 98.6 83.2 124.8
 192 15.4 11.8 17.8



#36
 1,1-Dichloropropene
 Concen: 22.792 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion: 75 Resp: 255838
 Ion Ratio Lower Upper
 75 100
 110 33.7 16.1 48.2
 77 28.6 22.7 34.1





#37

Ethyl Acetate

Concen: 21.591 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD02

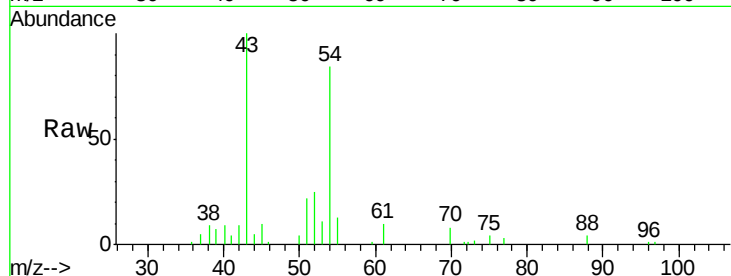
Tot Ion: 43 Resp: 108882

Ion Ratio Lower Upper

43 100

61 10.5 11.3 16.9#

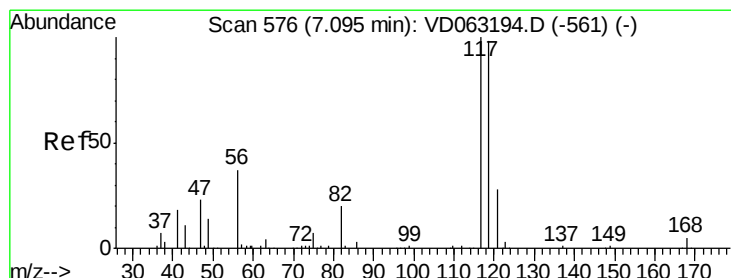
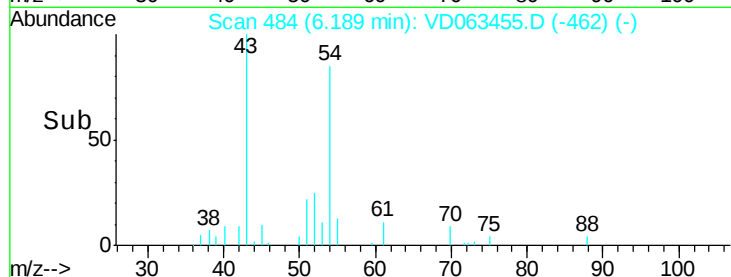
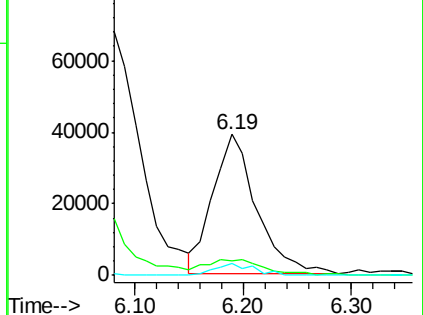
70 8.4 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.625 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

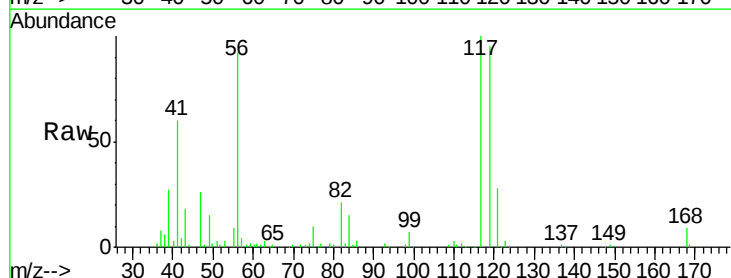
Tgt Ion: 117 Resp: 365425

Ion Ratio Lower Upper

117 100

119 95.5 78.2 117.2

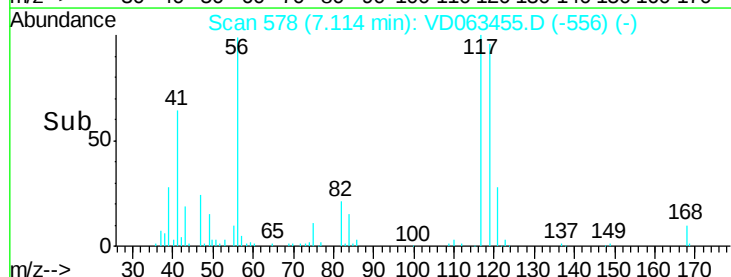
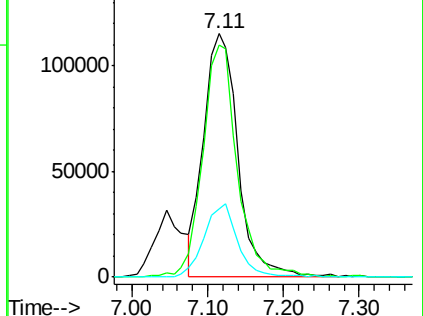
121 28.1 22.1 33.1

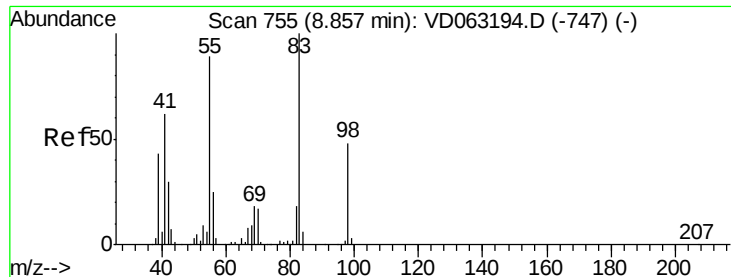


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

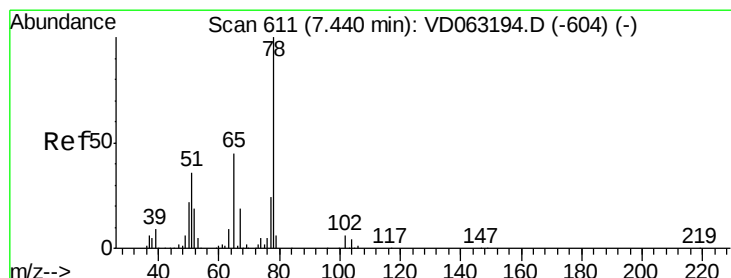
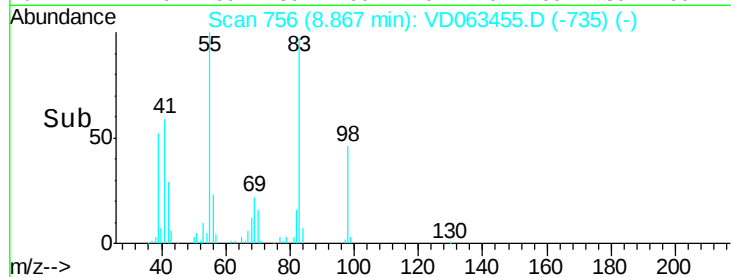
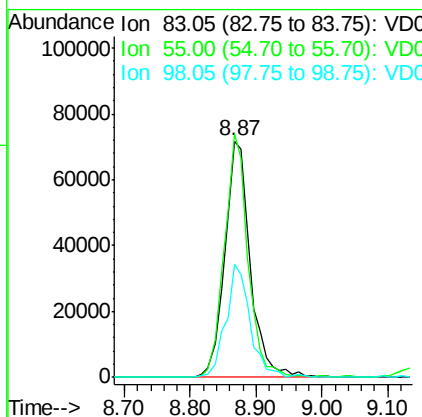
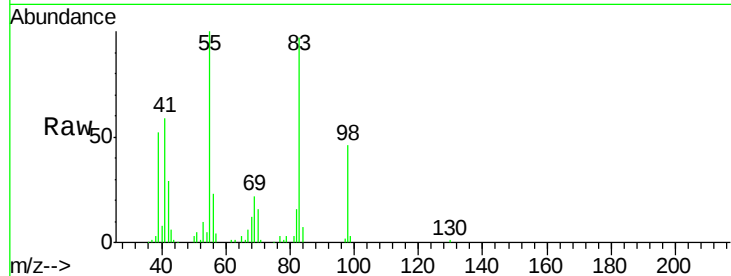




#39
Methvlcvclohexane
Concen: 20.771 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

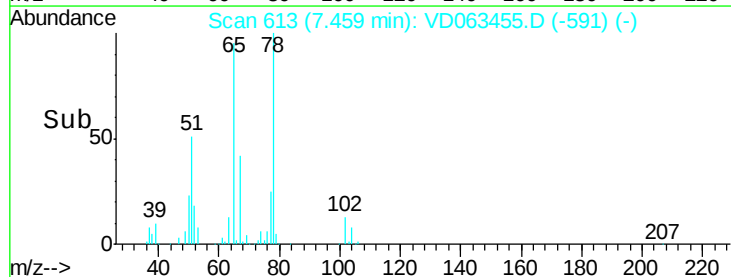
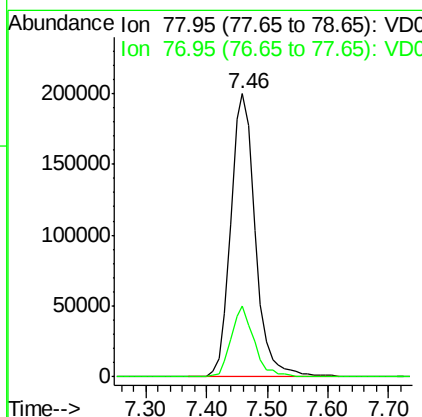
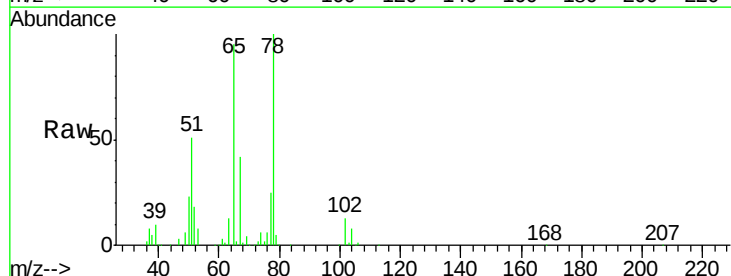
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

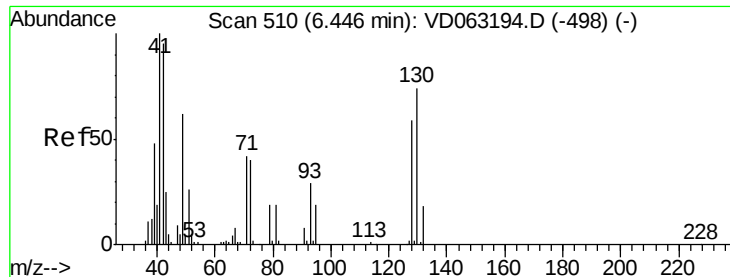
Tot Ion: 83 Resp: 194255
Ion Ratio Lower Upper
83 100
55 103.1 71.1 106.7
98 47.9 38.5 57.7



#40
Benzene
Concen: 23.885 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 78 Resp: 561900
Ion Ratio Lower Upper
78 100
77 25.0 19.4 29.2





#41

Methacrylonitrile

Concen: 22.963 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

Tot Ion: 41 Resp: 138516

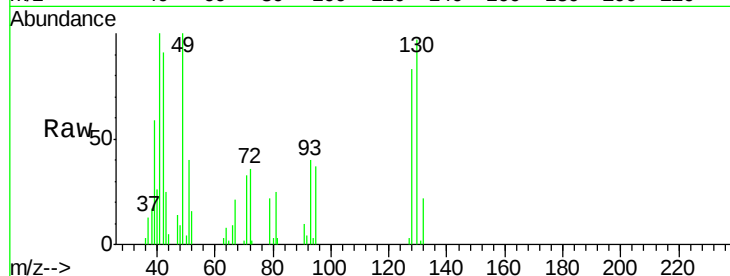
Ion Ratio Lower Upper

41 100

39 58.7 38.4 57.6#

67 21.0 6.7 10.1#

52 15.7 4.3 6.5#

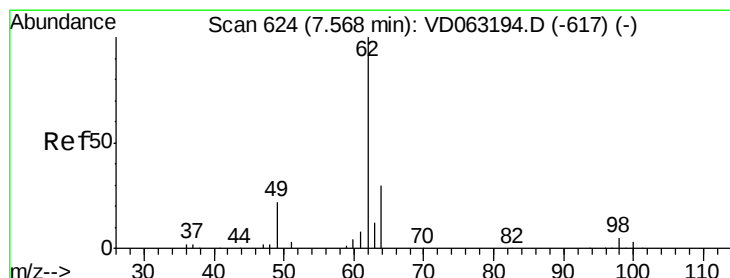
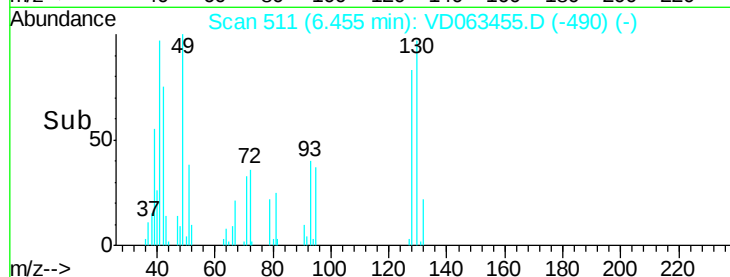
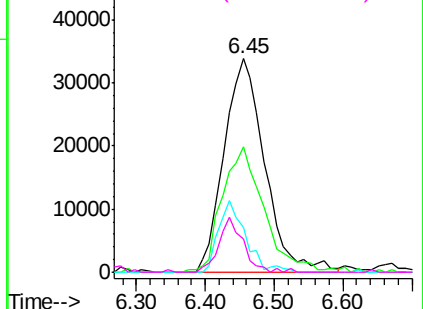


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.549 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD063455.D

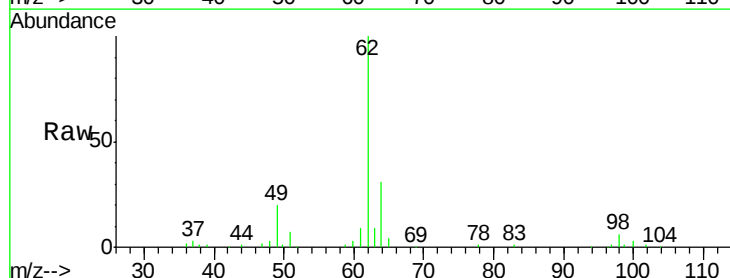
Acq: 9 Aug 2019 00:41

Tgt Ion: 62 Resp: 293604

Ion Ratio Lower Upper

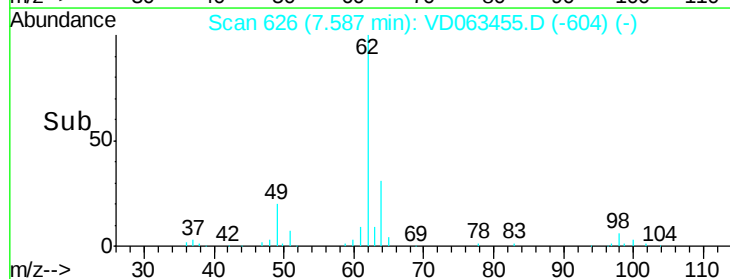
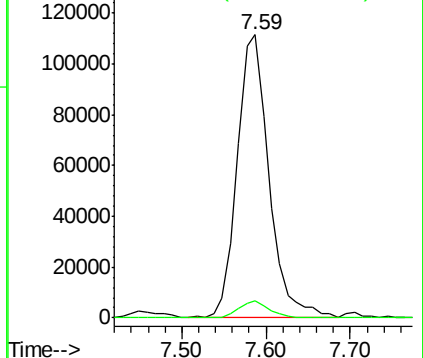
62 100

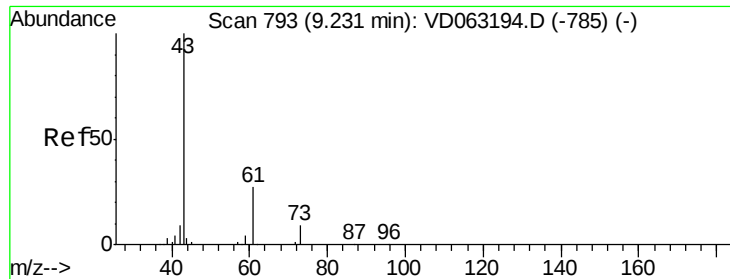
98 5.9 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



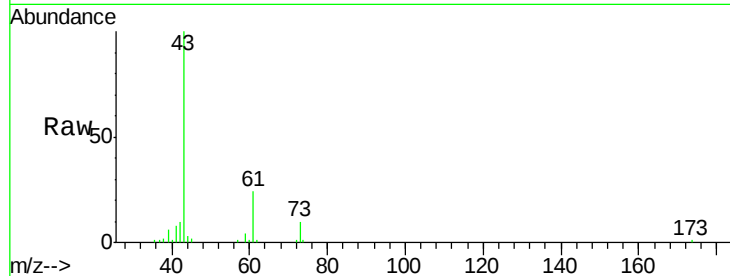


#43

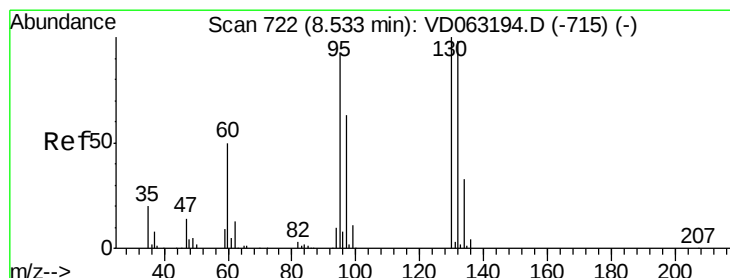
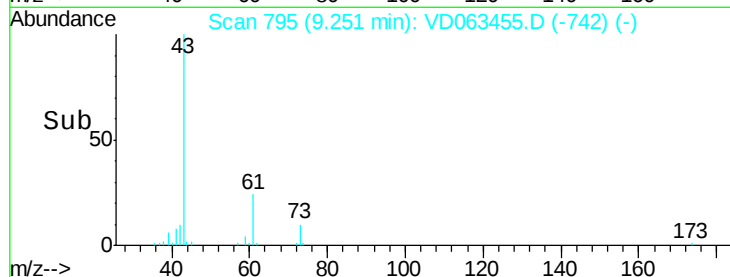
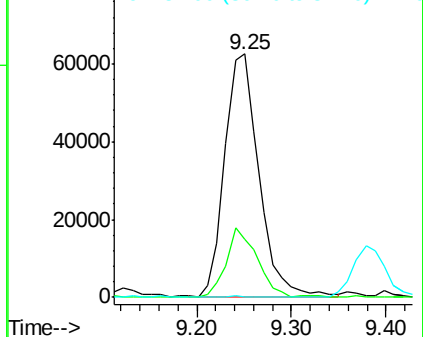
Isopropyl Acetate
 Concen: 24.438 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

Tot Ion: 43 Resp: 157422
 Ion Ratio Lower Upper
 43 100
 61 23.9 21.4 32.0
 87 0.0 0.2 0.4#



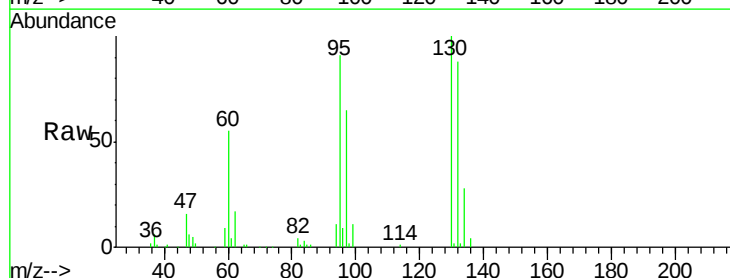
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



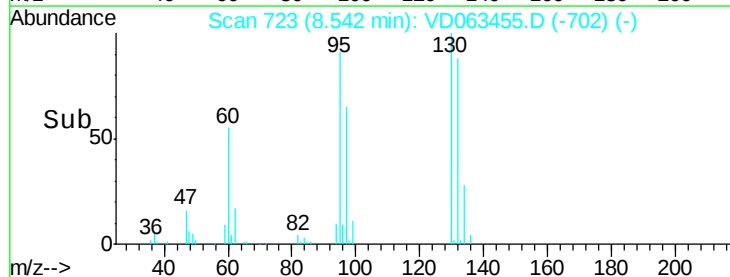
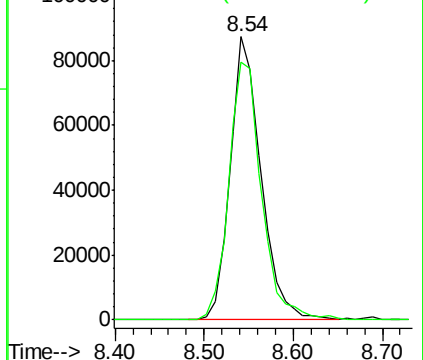
#44

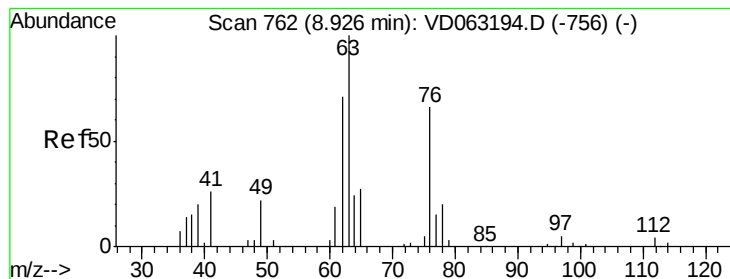
Trichloroethene
 Concen: 22.181 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion: 130 Resp: 211439
 Ion Ratio Lower Upper
 130 100
 95 91.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.007 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

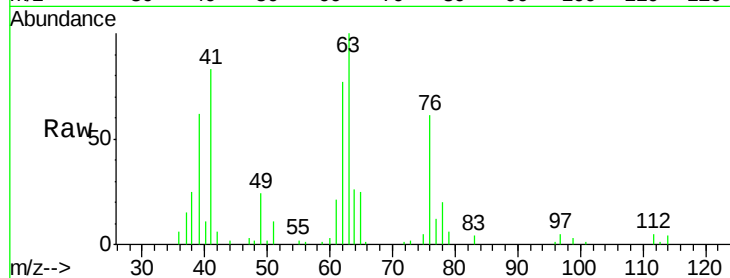
VD0808SBS02

Tot Ion: 63 Resp: 137569

Ion Ratio Lower Upper

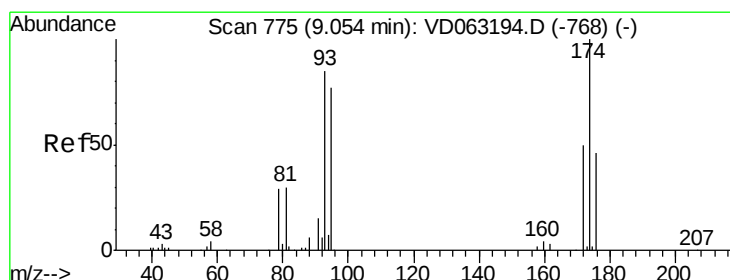
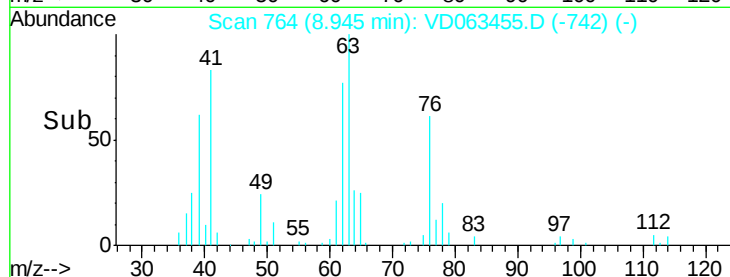
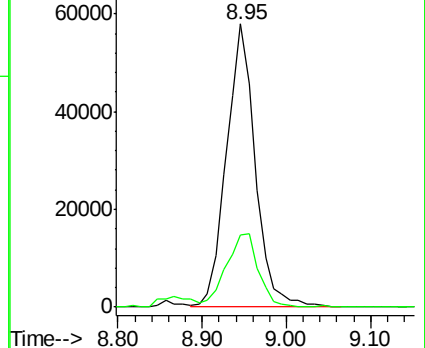
63 100

65 25.3 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 24.683 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

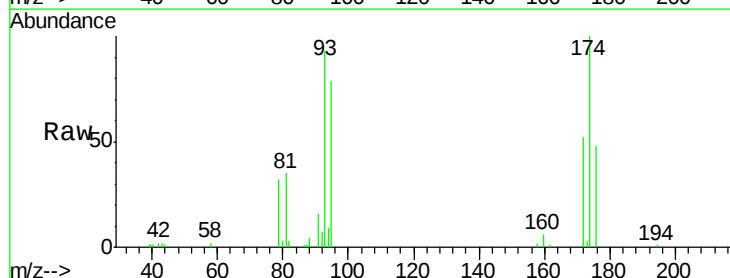
Tgt Ion: 93 Resp: 122720

Ion Ratio Lower Upper

93 100

95 85.0 72.8 109.2

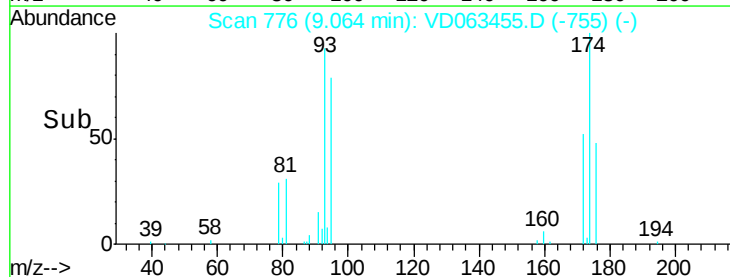
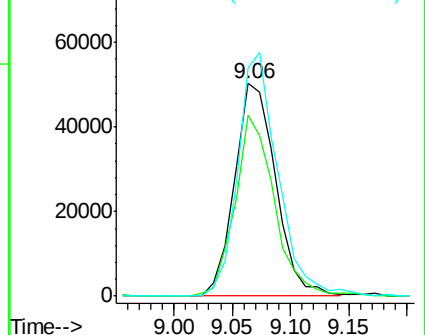
174 107.7 94.4 141.6

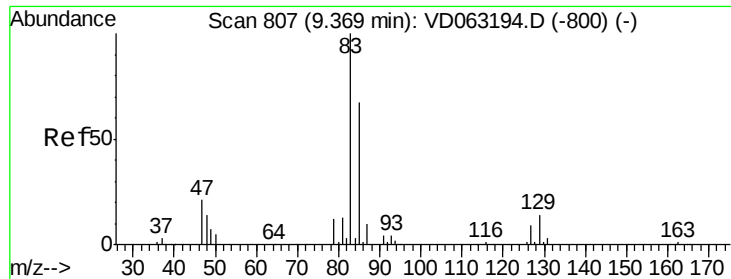


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 23.435 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD02

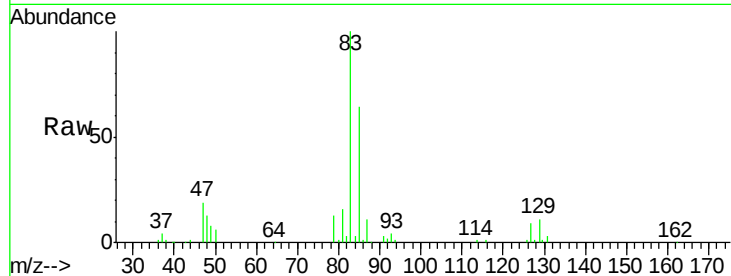
Tot Ion: 83 Resp: 297010

Ion Ratio Lower Upper

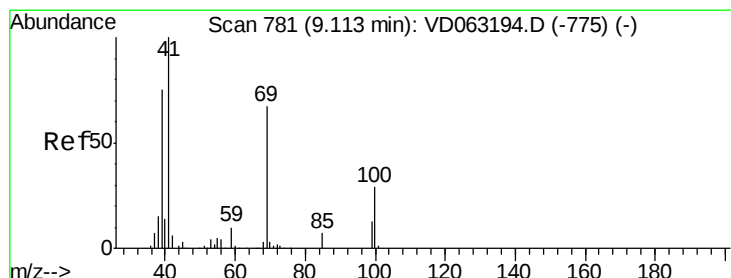
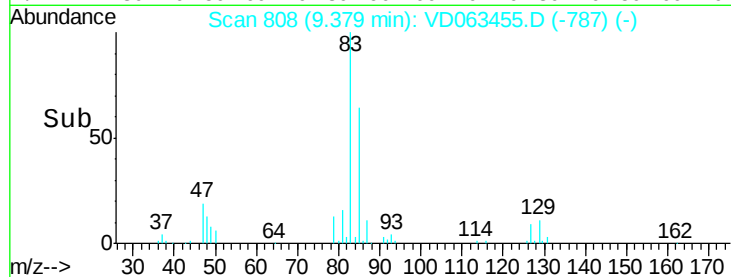
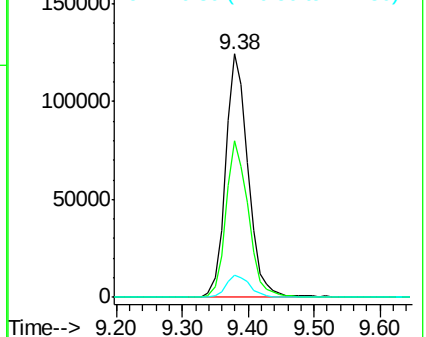
83 100

85 64.4 53.6 80.4

127 9.0 7.2 10.8



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): V



#48

Methyl methacrylate

Concen: 23.995 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

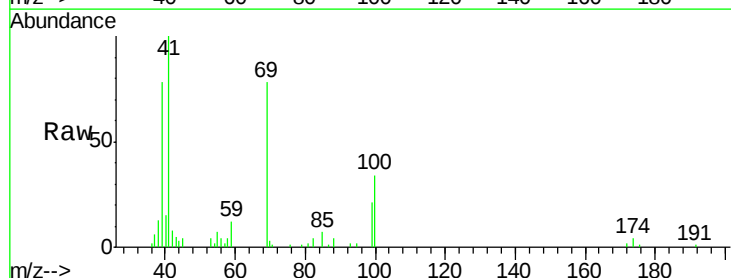
Tgt Ion: 41 Resp: 100246

Ion Ratio Lower Upper

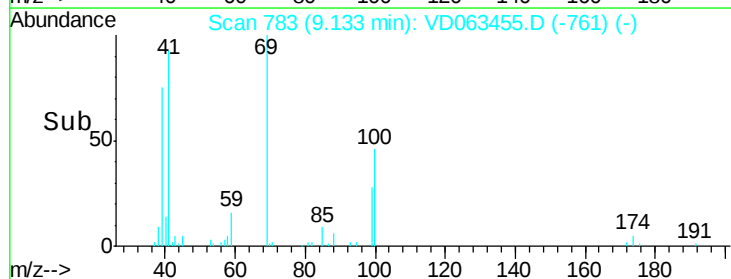
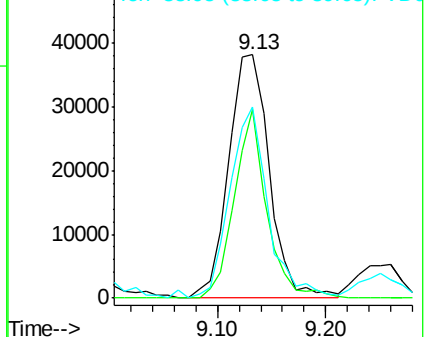
41 100

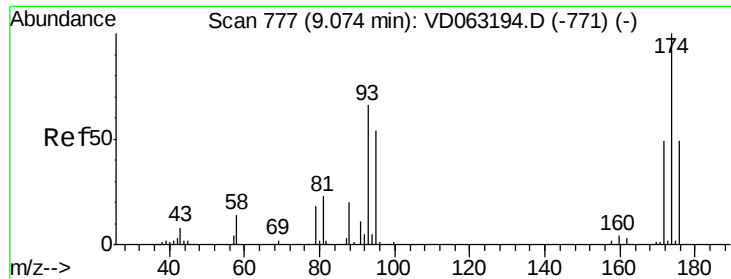
69 77.6 53.4 80.0

39 78.3 60.3 90.5



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

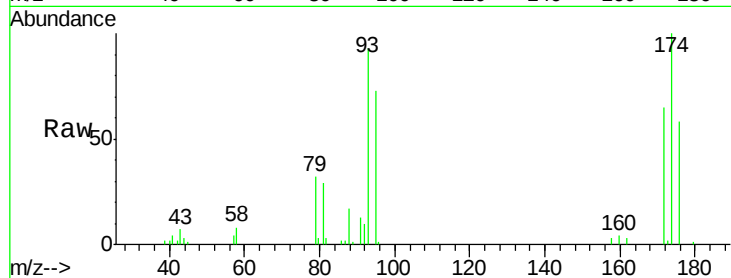




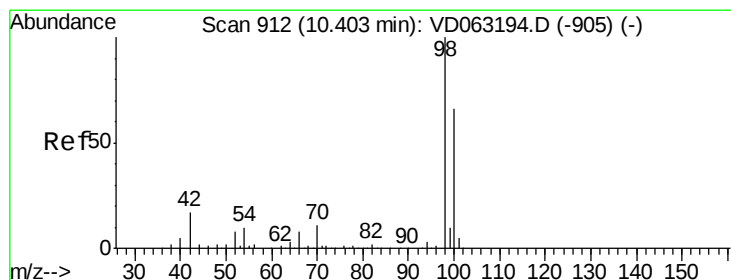
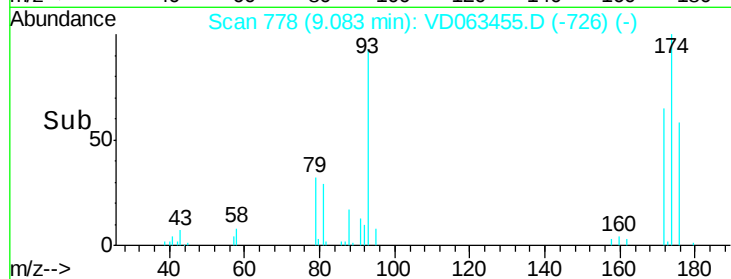
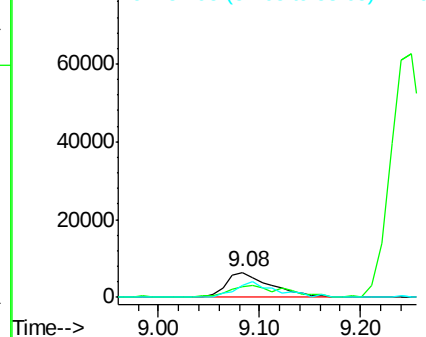
#49
1,4-Dioxane
Concen: 553.449 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

Tot Ion: 88 Resp: 19652
Ion Ratio Lower Upper
88 100
43 43.7 30.7 46.1
58 47.4 56.5 84.7#

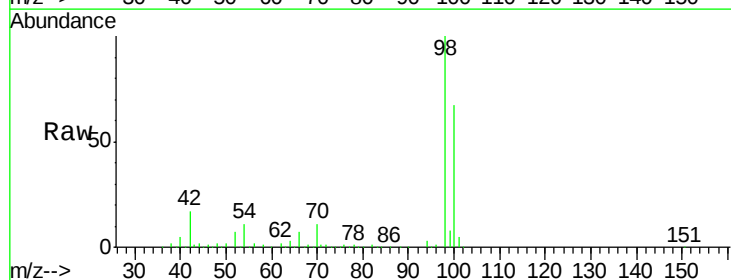


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

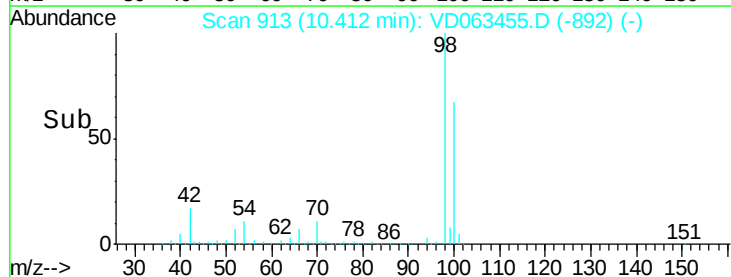
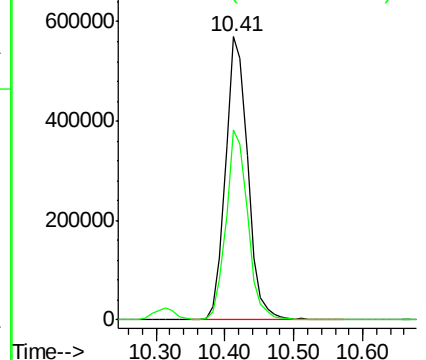


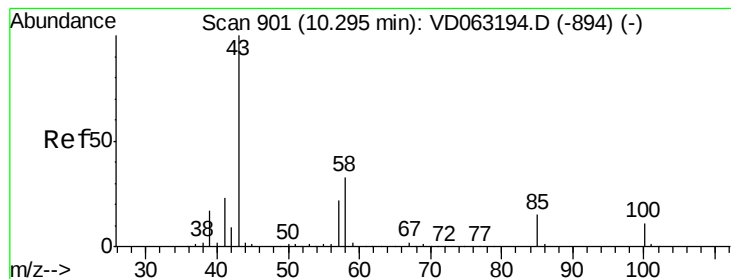
#50
Toluene-d8
Concen: 54.208 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 98 Resp: 1273950
Ion Ratio Lower Upper
98 100
100 67.3 53.2 79.8



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: 121.646 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleID :

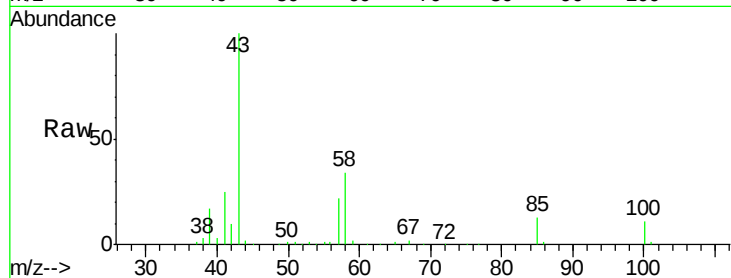
VD0808SBS02

Tot Ion: 43 Resp: 532914

Ion Ratio Lower Upper

43 100

58 33.5 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

250000

200000

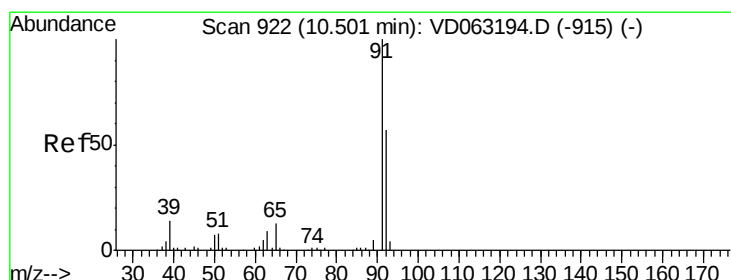
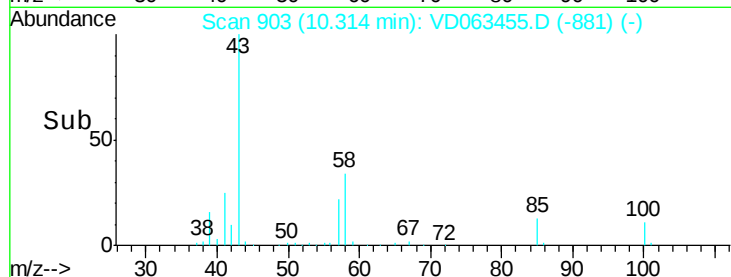
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.347 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063455.D

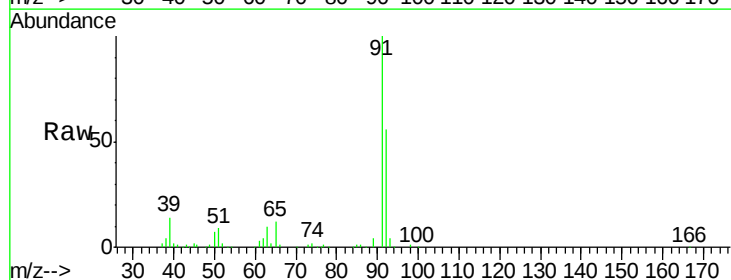
Acq: 9 Aug 2019 00:41

Tgt Ion: 92 Resp: 349646

Ion Ratio Lower Upper

92 100

91 177.9 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

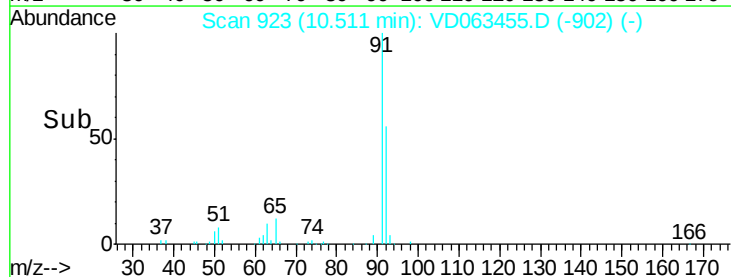
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.968 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

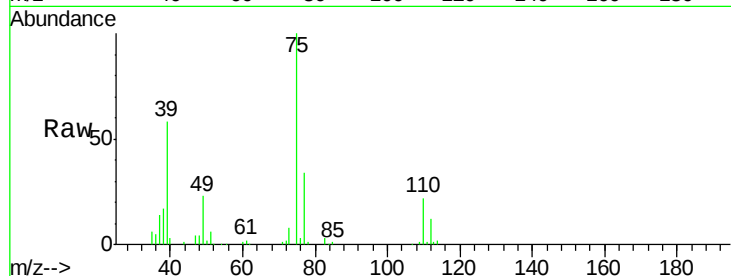
VD0808SBSD02

Tot Ion: 75 Resp: 250962

Ion Ratio Lower Upper

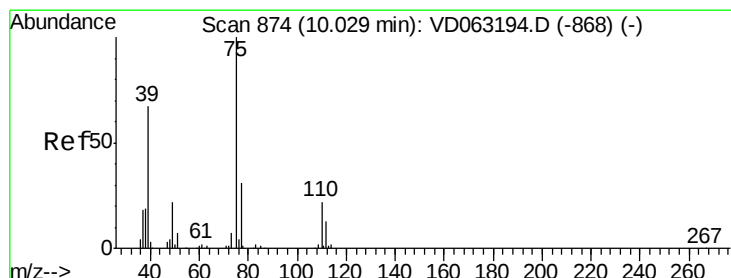
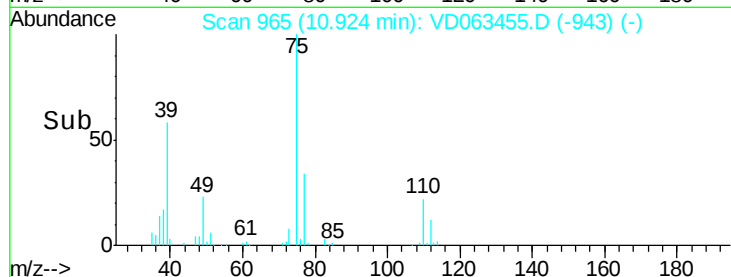
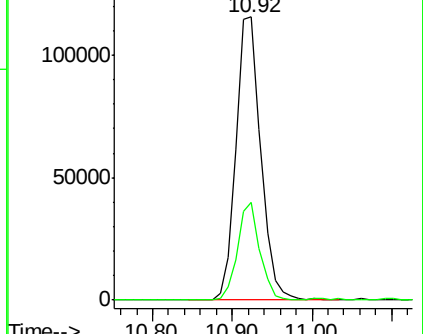
75 100

77 34.3 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.362 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

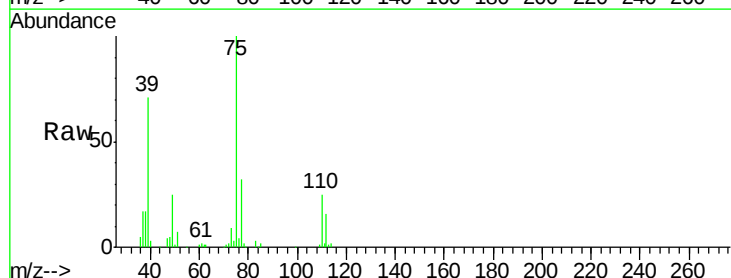
Tgt Ion: 75 Resp: 268269

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3

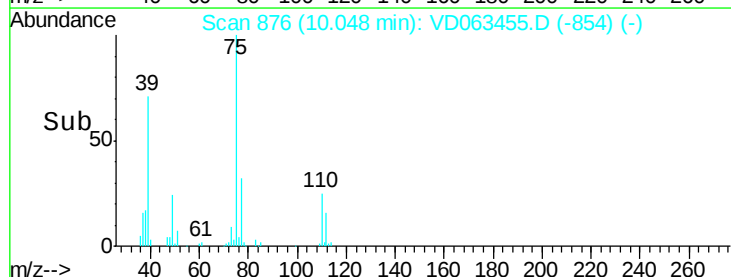
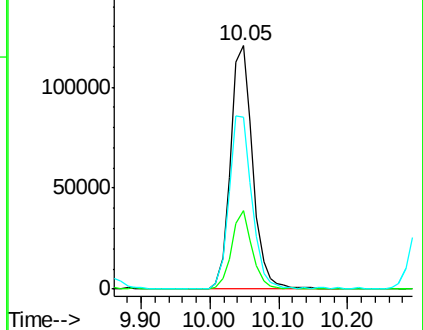
39 70.9 53.9 80.9

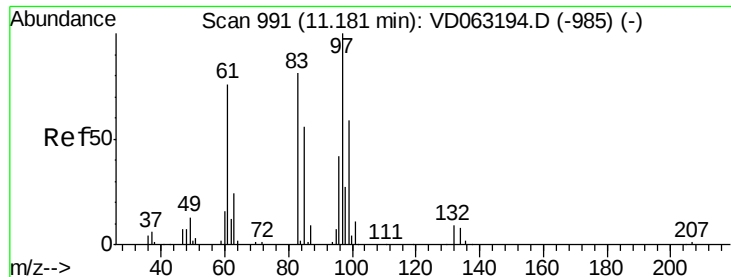


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

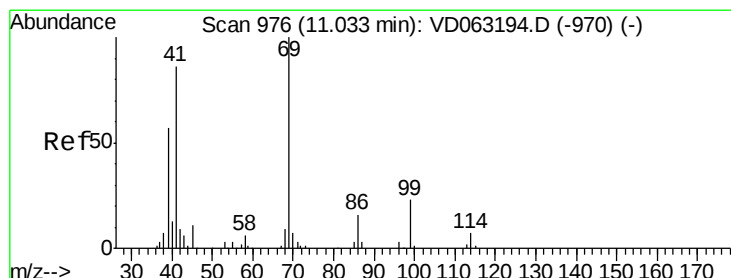
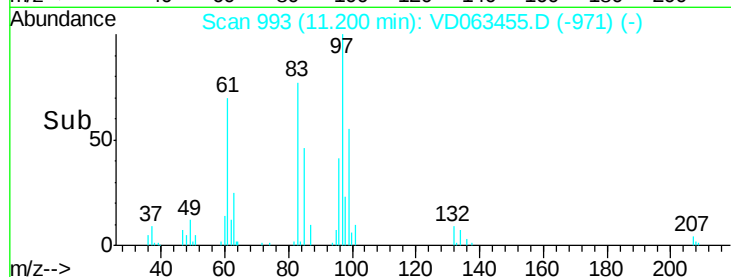
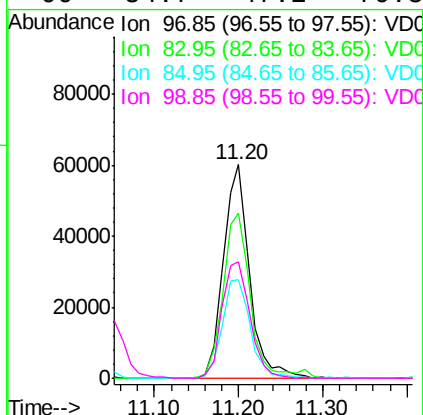
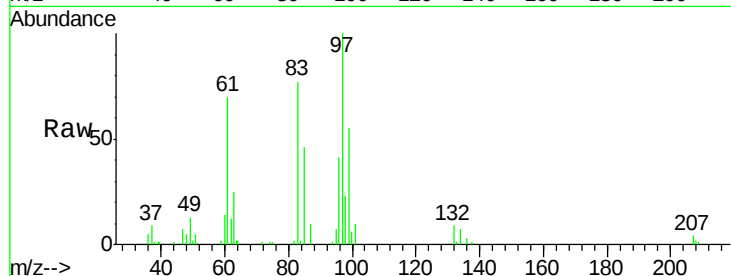




#55
 1,1,2-Trichloroethane
 Concen: 24.342 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

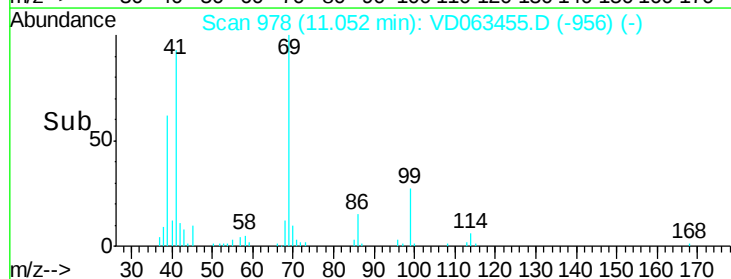
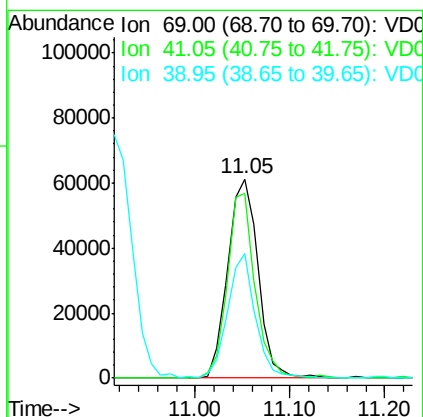
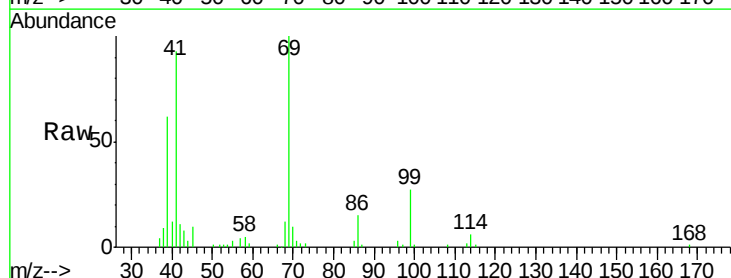
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD02

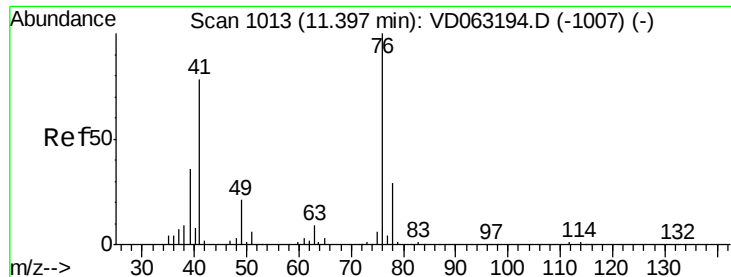
Tot Ion:	97	Resp:	128632
Ion	Ratio	Lower	Upper
97	100		
83	77.1	64.8	97.2
85	46.3	44.9	67.3
99	54.7	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 23.436 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion:	69	Resp:	135612
Ion	Ratio	Lower	Upper
69	100		
41	92.6	68.8	103.2
39	62.3	45.8	68.8

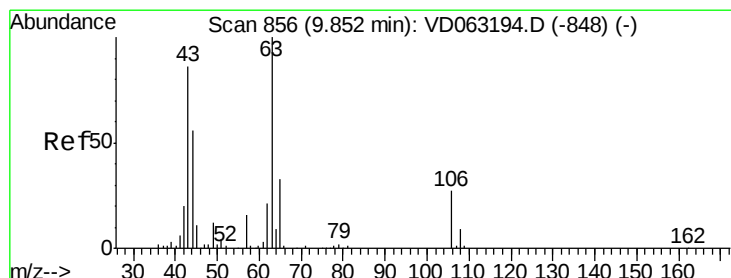
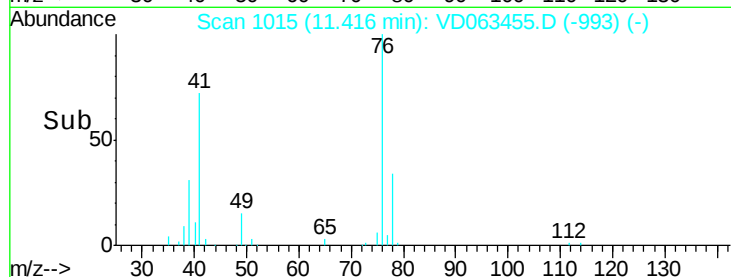
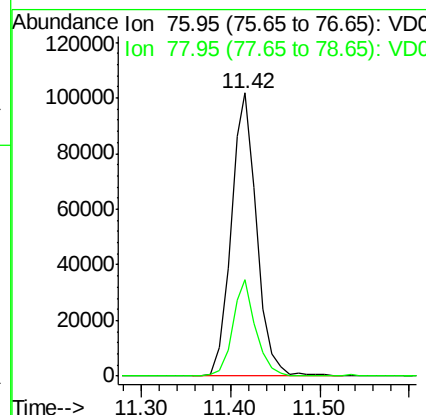
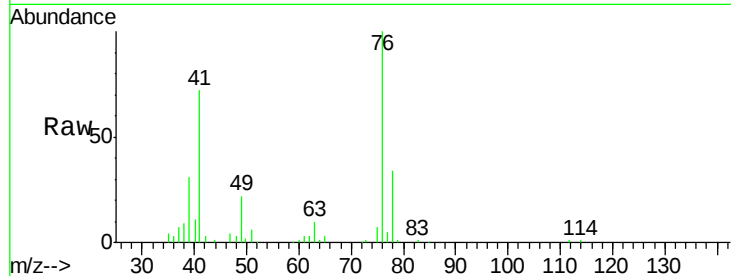




#57
 1,3-Dichloropropane
 Concen: 24.441 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

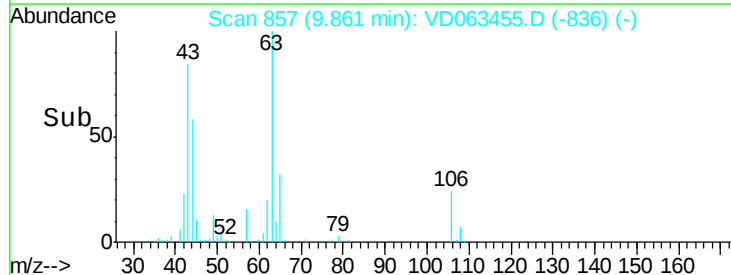
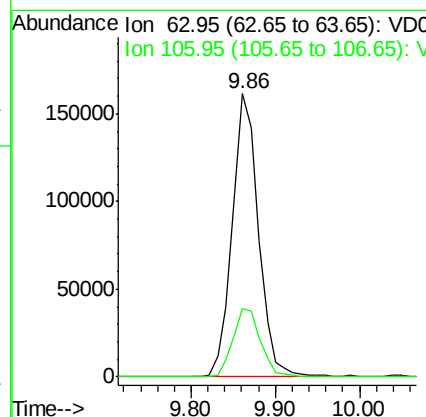
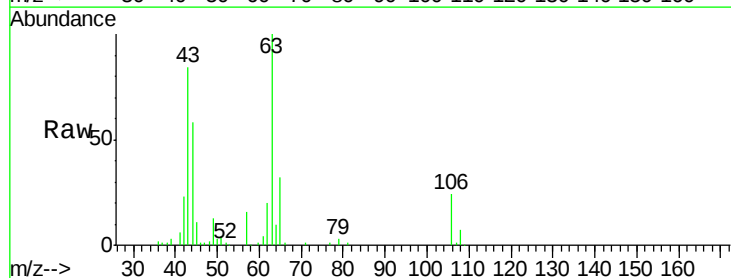
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD02

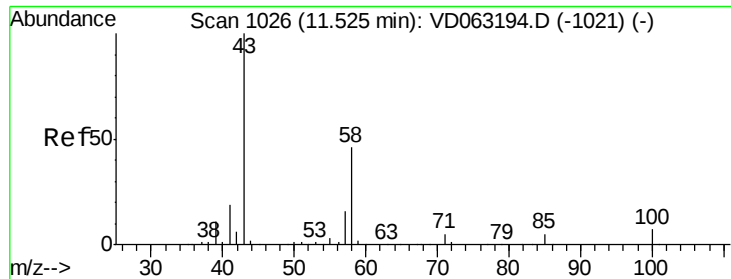
Tot Ion: 76 Resp: 203491
 Ion Ratio Lower Upper
 76 100
 78 34.0 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.082 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion: 63 Resp: 349515
 Ion Ratio Lower Upper
 63 100
 106 24.3 22.0 33.0





#59

2-Hexanone

Concen: 118.313 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

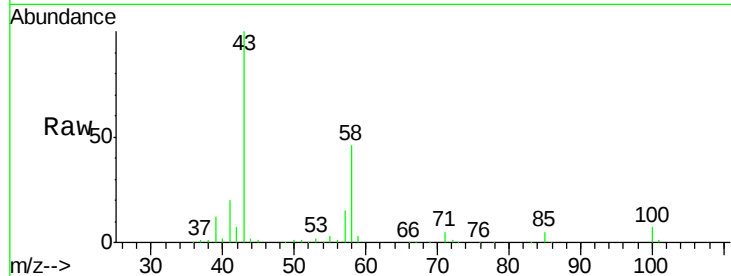
VD0808SBSD02

Tot Ion: 43 Resp: 373517

Ion Ratio Lower Upper

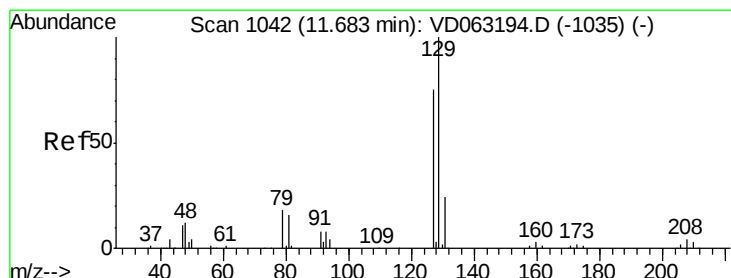
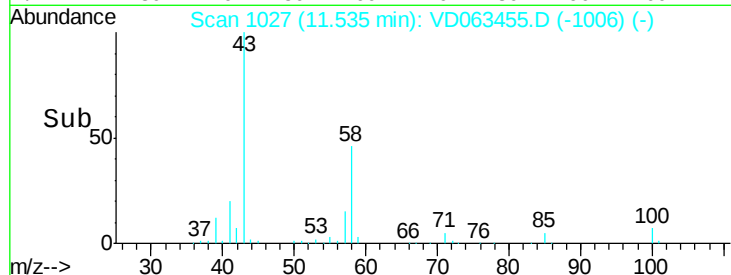
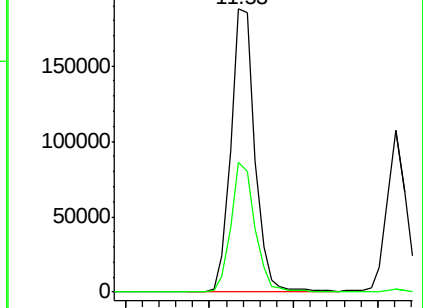
43 100

58 45.7 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 22.444 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VD063455.D

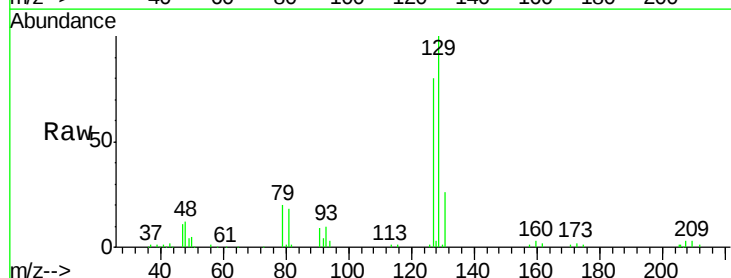
Acq: 9 Aug 2019 00:41

Tgt Ion:129 Resp: 223898

Ion Ratio Lower Upper

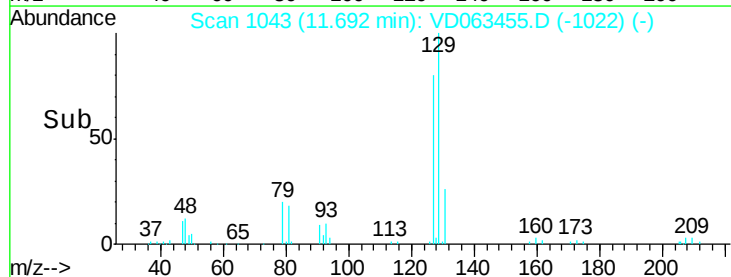
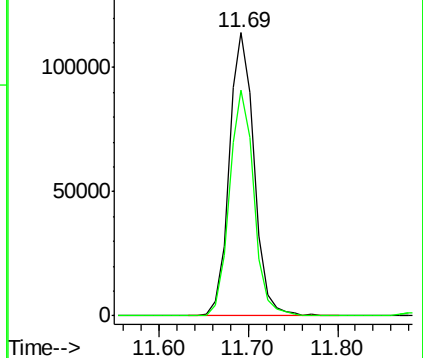
129 100

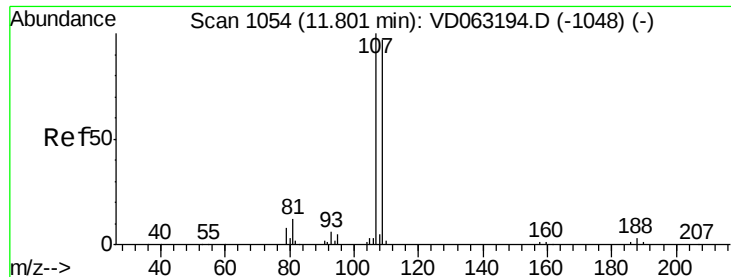
127 79.6 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

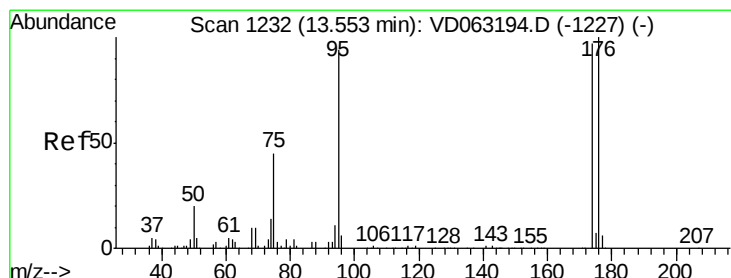
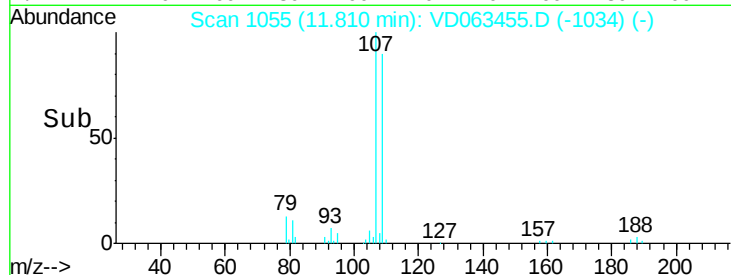
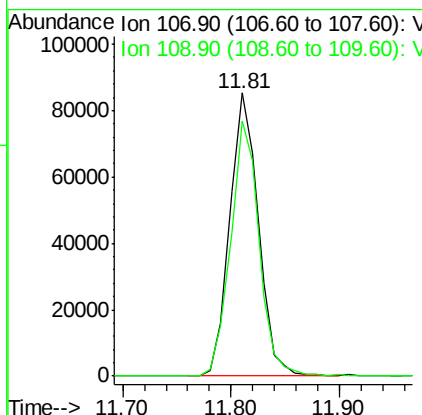
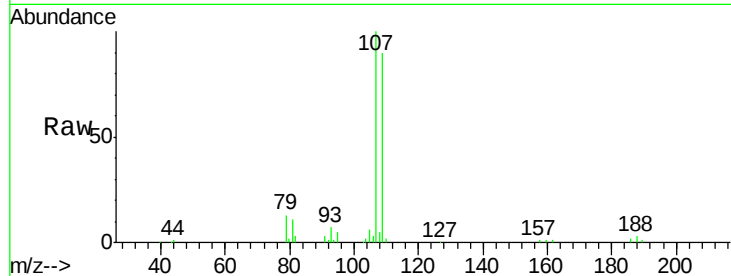




#61
 1,2-Dibromoethane
 Concen: 24.047 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

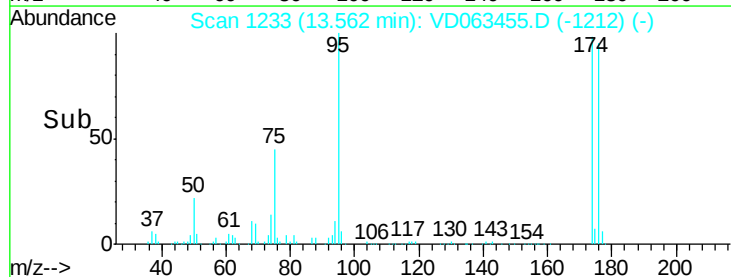
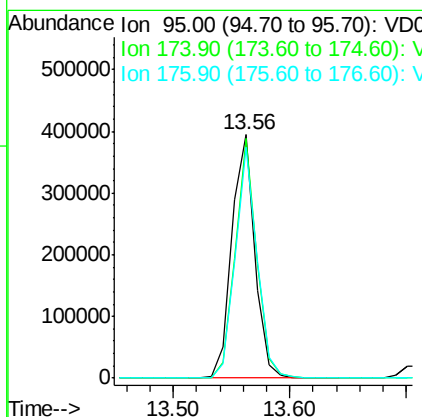
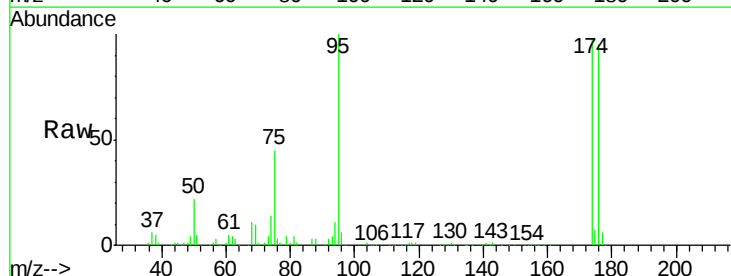
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD02

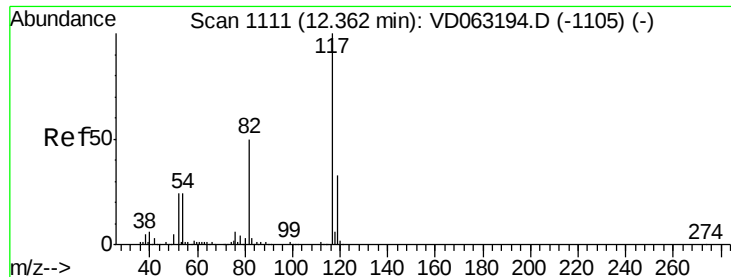
Tot Ion:107 Resp: 156802
 Ion Ratio Lower Upper
 107 100
 109 90.0 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 50.105 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion: 95 Resp: 536598
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 205.4
 176 94.6 0.0 211.8

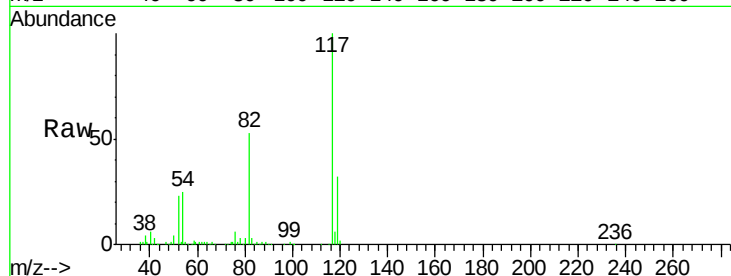




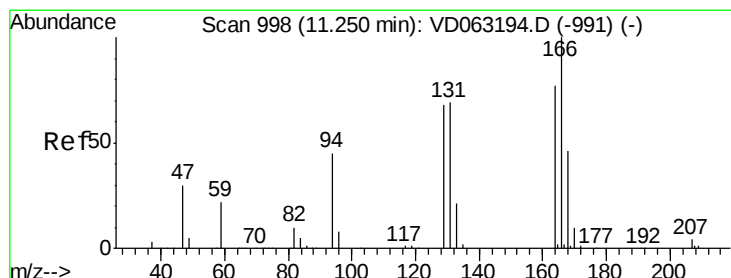
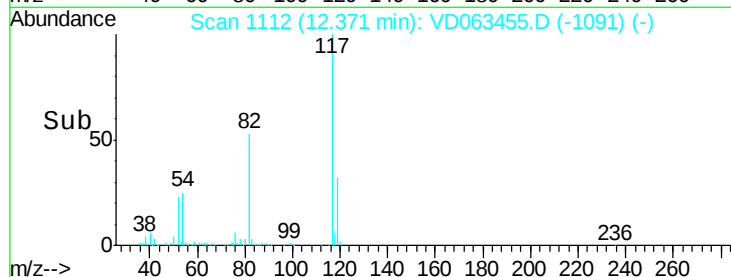
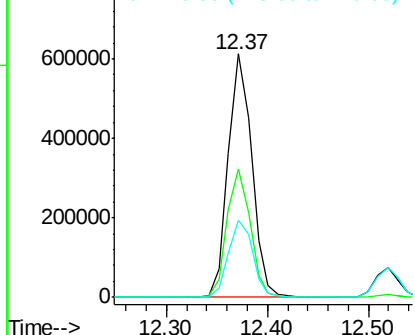
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

Tot Ion:117 Resp: 1001208
Ion Ratio Lower Upper
117 100
82 52.8 40.1 60.1
119 31.5 26.5 39.7

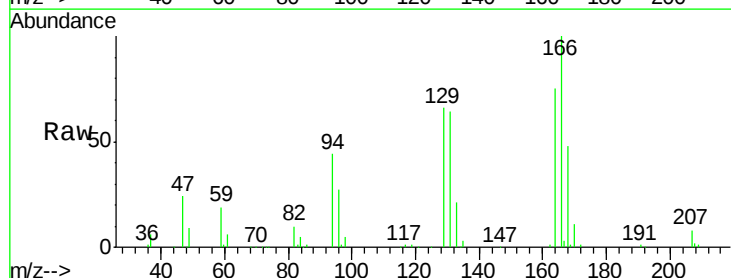


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

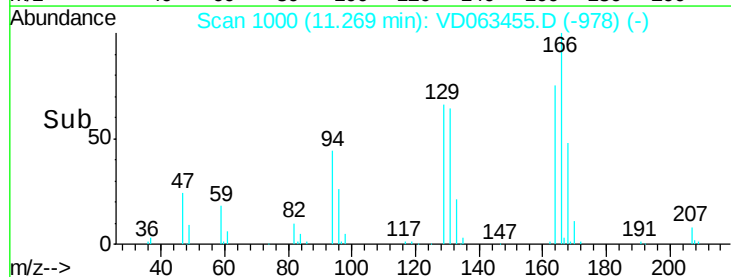
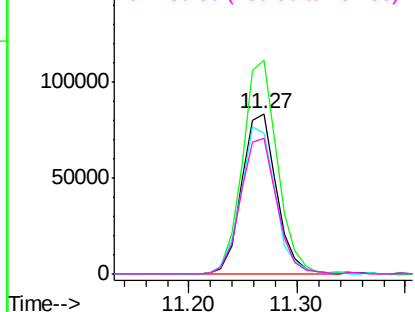


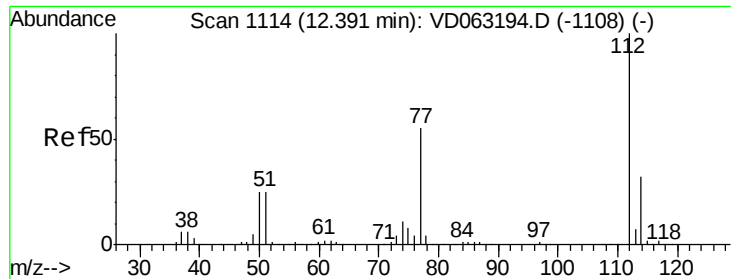
#64
Tetrachloroethene
Concen: 23.246 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion:164 Resp: 185418
Ion Ratio Lower Upper
164 100
166 133.1 104.3 156.5
129 87.8 70.9 106.3
131 84.8 71.6 107.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

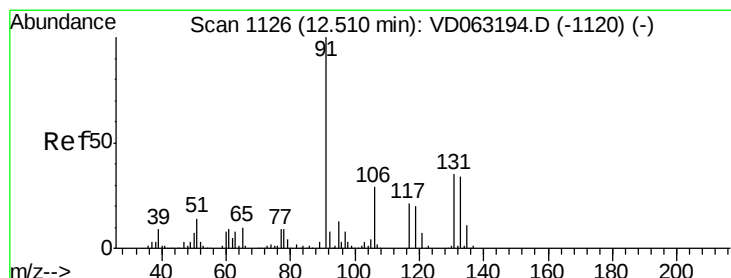
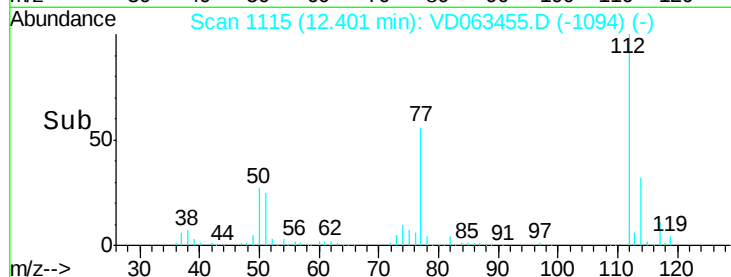
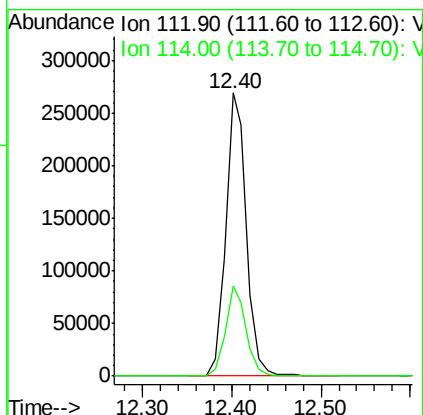
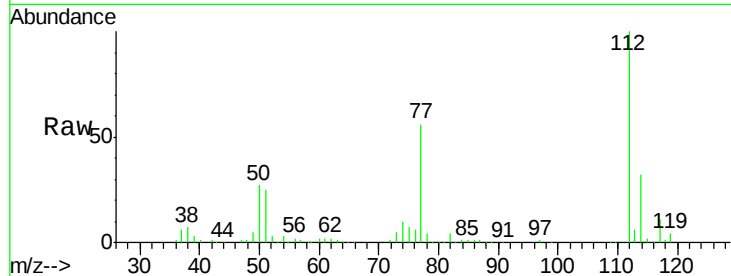




#65
Chlorobenzene
Concen: 22.734 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

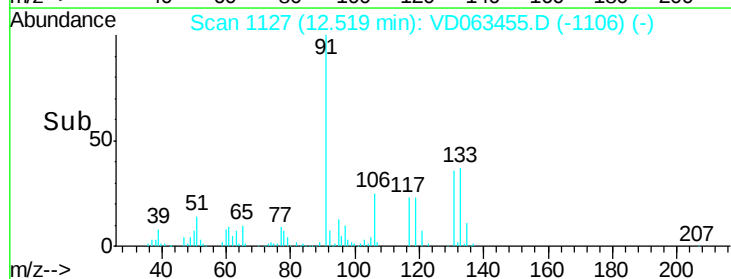
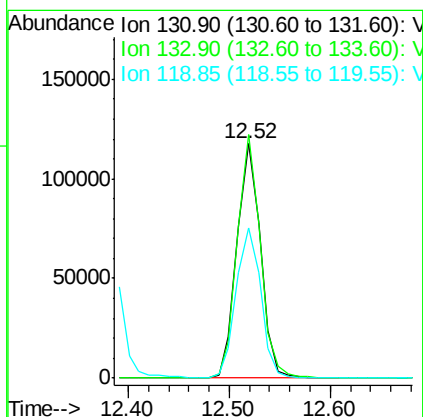
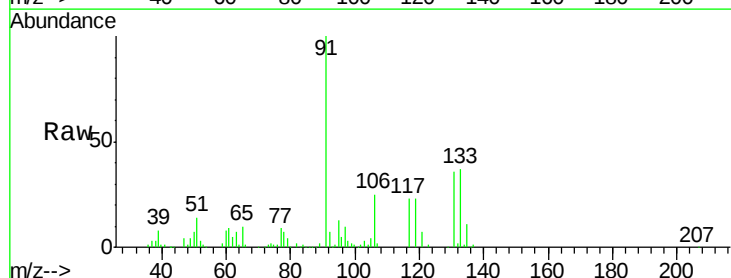
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

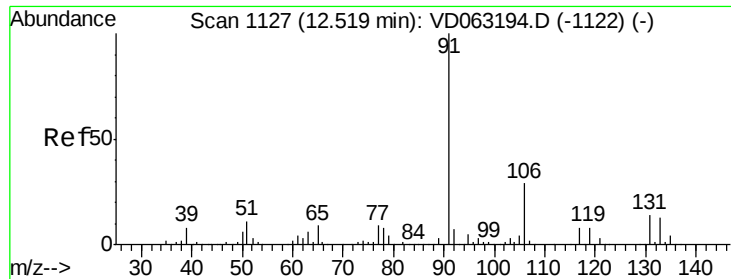
Tot Ion:112 Resp: 437813
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.539 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion:131 Resp: 191192
Ion Ratio Lower Upper
131 100
133 103.8 48.4 145.2
119 64.3 29.1 87.3

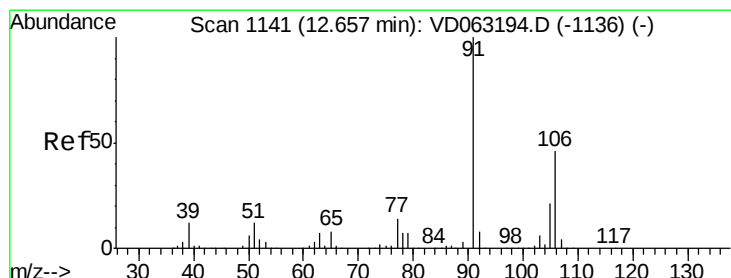
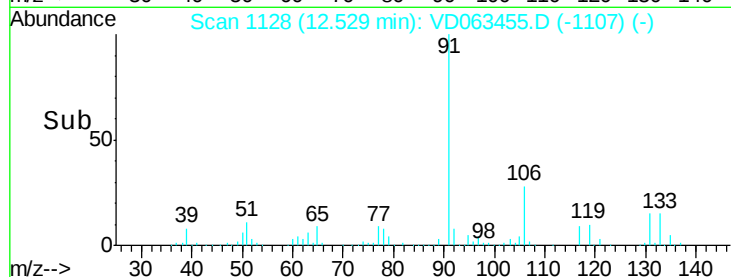
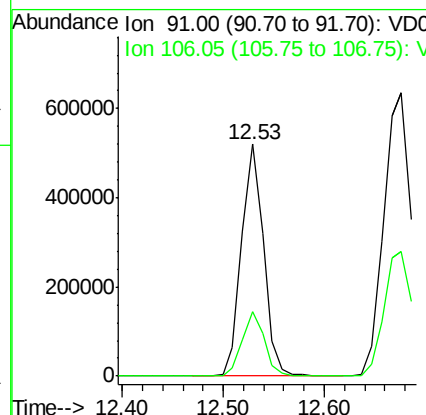
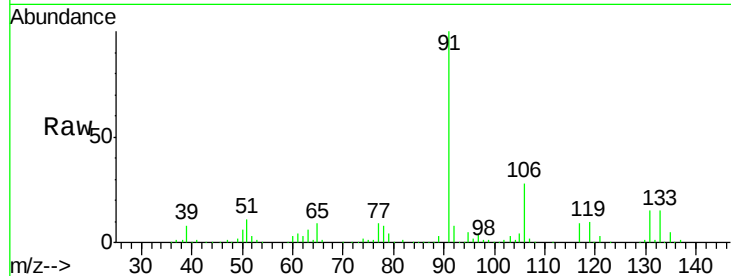




#67
Ethyl Benzene
Concen: 24.263 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

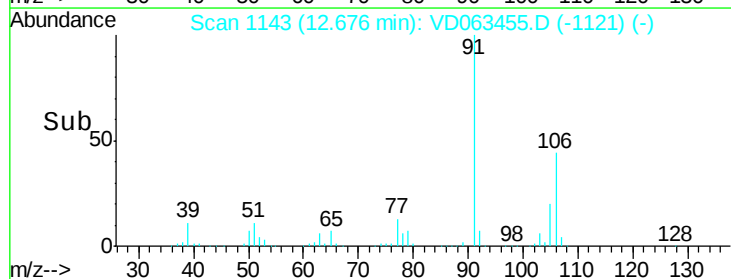
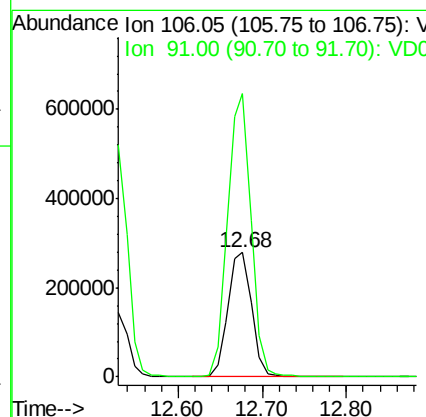
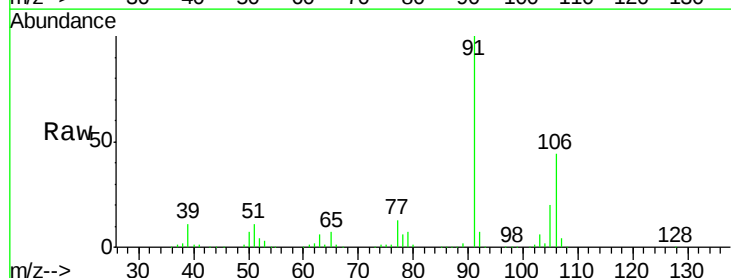
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

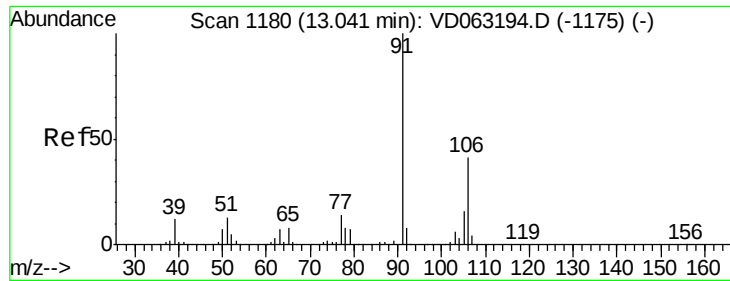
Tot Ion: 91 Resp: 793767
Ion Ratio Lower Upper
91 100
106 28.0 22.9 34.3



#68
m/p-Xylenes
Concen: 45.393 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 106 Resp: 544603
Ion Ratio Lower Upper
106 100
91 227.2 172.6 259.0

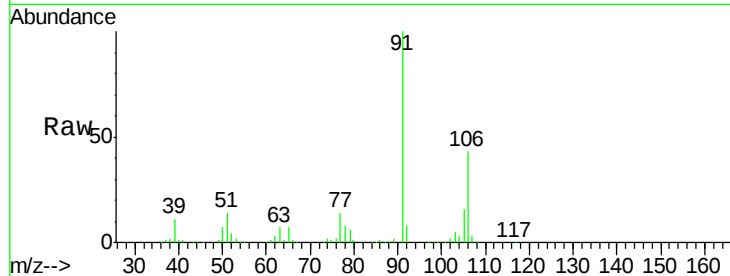




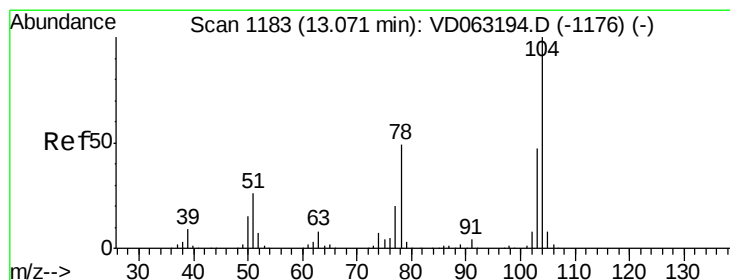
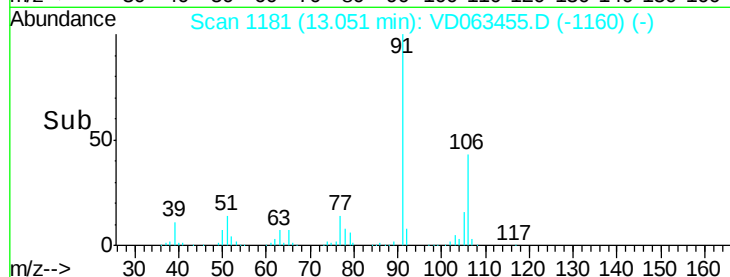
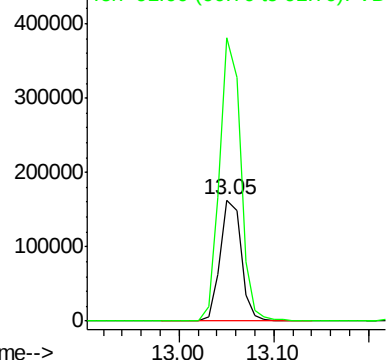
#69
o-Xylene
Concen: 22.913 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

Tot Ion:106 Resp: 252441
Ion Ratio Lower Upper
106 100
91 233.1 121.3 363.9

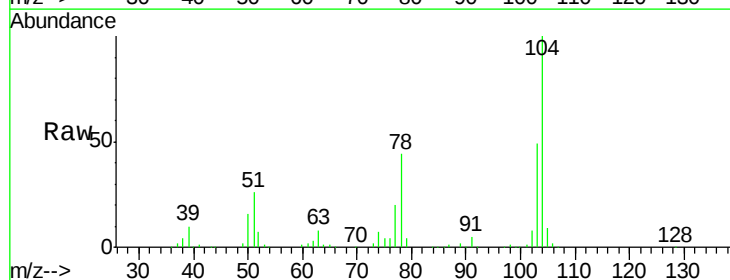


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

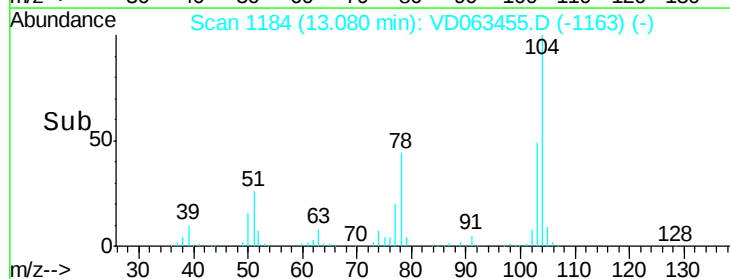
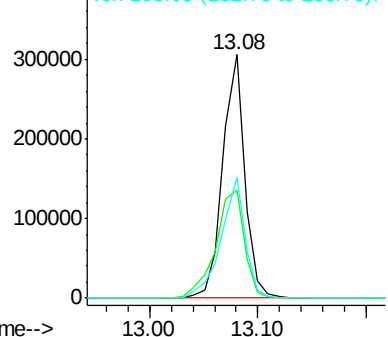


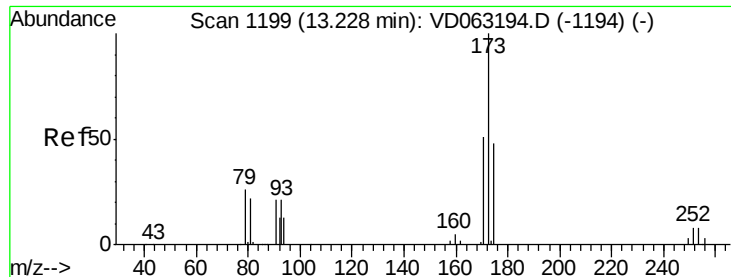
#70
Styrene
Concen: 22.206 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion:104 Resp: 433869
Ion Ratio Lower Upper
104 100
78 44.4 39.4 59.0
103 49.4 37.4 56.2



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

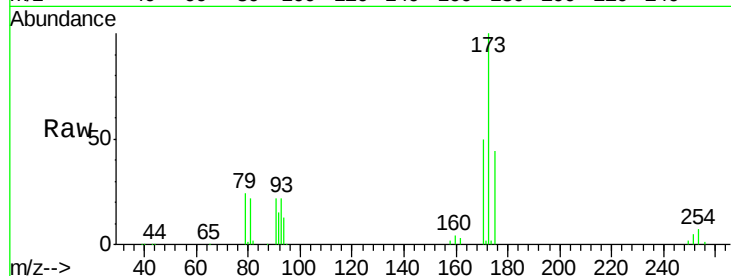




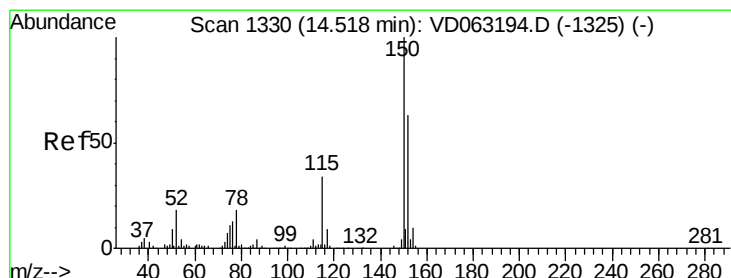
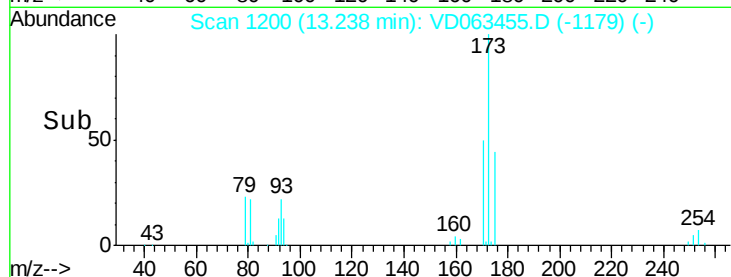
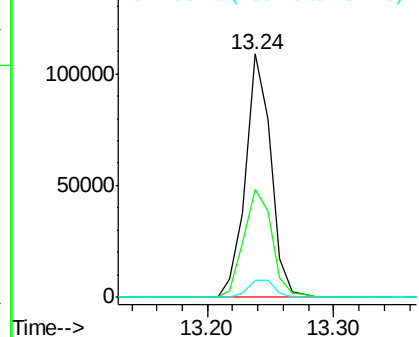
#71
Bromoform
Concen: 24.572 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

Tot Ion:173 Resp: 151582
Ion Ratio Lower Upper
173 100
175 44.2 23.8 71.5
254 7.0 6.6 10.0

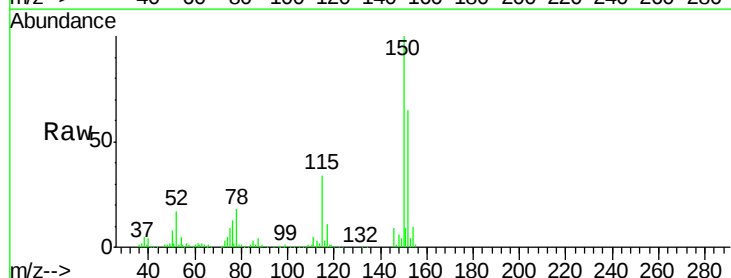


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

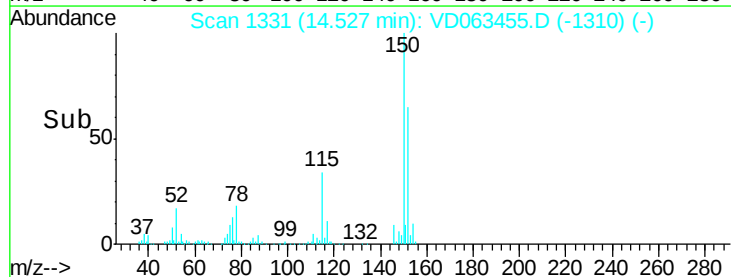
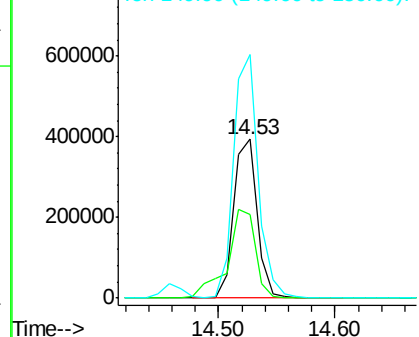


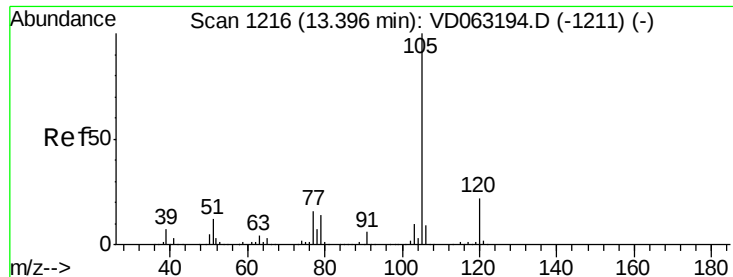
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion:152 Resp: 548350
Ion Ratio Lower Upper
152 100
115 52.4 27.5 82.4
150 153.5 0.0 320.6



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: 23.161 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

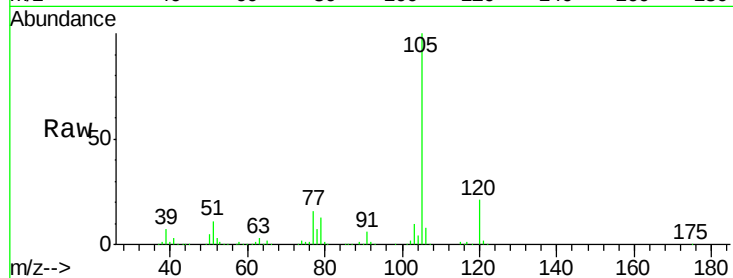
VD0808SBSD02

Tot Ion:105 Resp: 797107

Ion Ratio Lower Upper

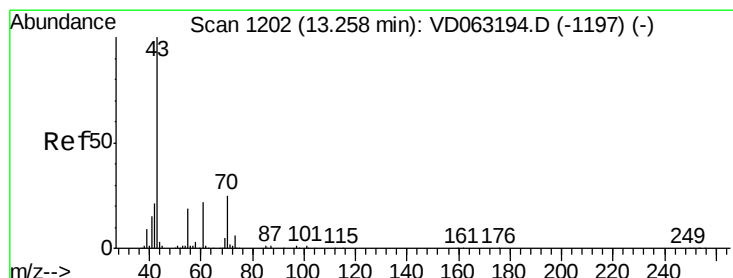
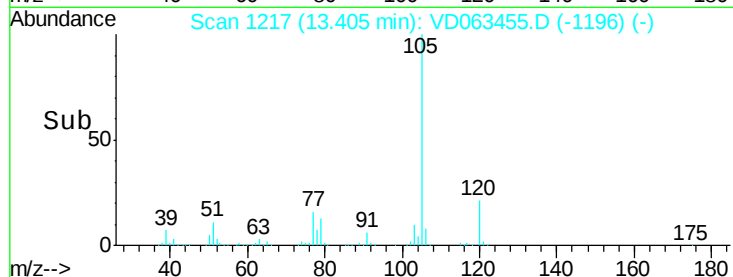
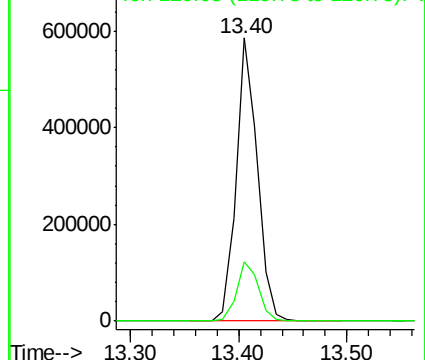
105 100

120 20.8 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.975 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Tgt Ion: 43 Resp: 209035

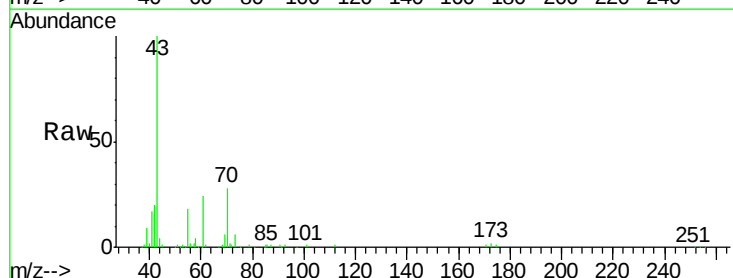
Ion Ratio Lower Upper

43 100

70 28.5 20.2 30.4

55 18.5 14.9 22.3

61 23.6 17.9 26.9

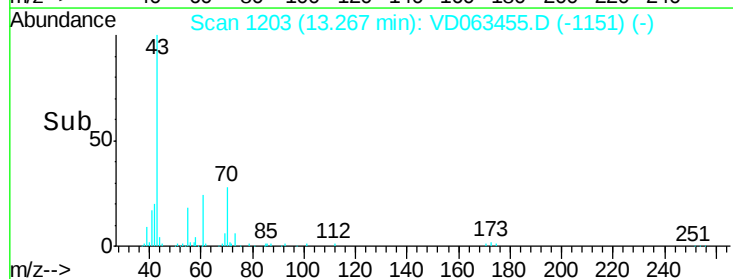
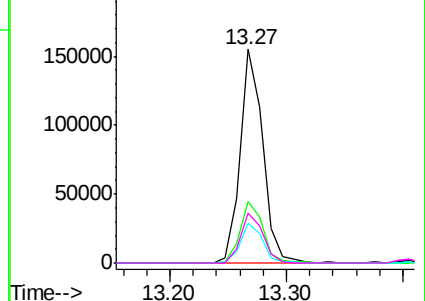


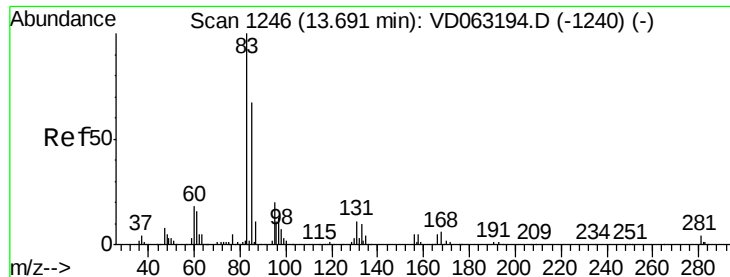
Abundance Ion 42.95 (42.65 to 43.65): V

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: 24.321 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD02

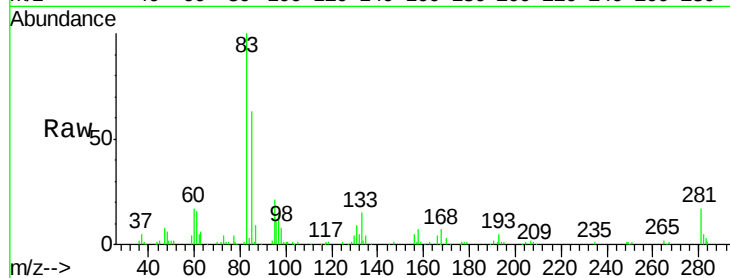
Tot Ion: 83 Resp: 142185

Ion Ratio Lower Upper

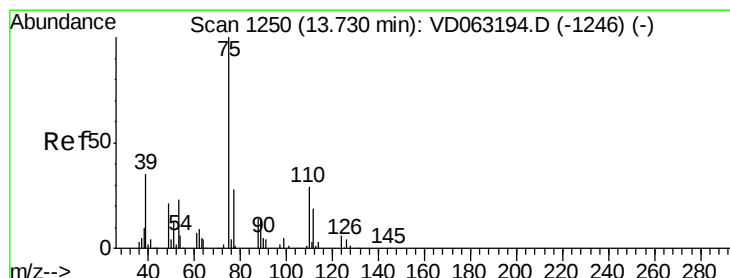
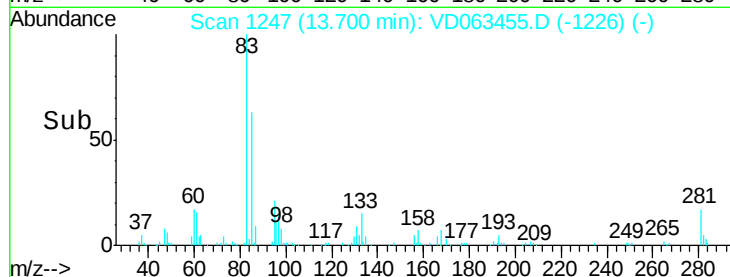
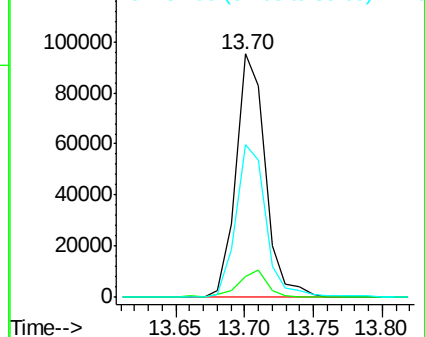
83 100

131 8.7 5.5 16.7

85 62.8 33.7 101.1



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: 24.105 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063455.D

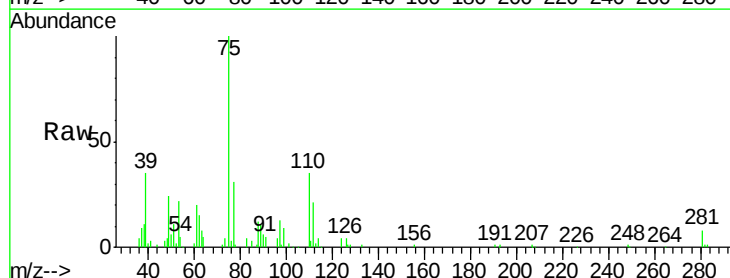
Acq: 9 Aug 2019 00:41

Tgt Ion: 75 Resp: 158767

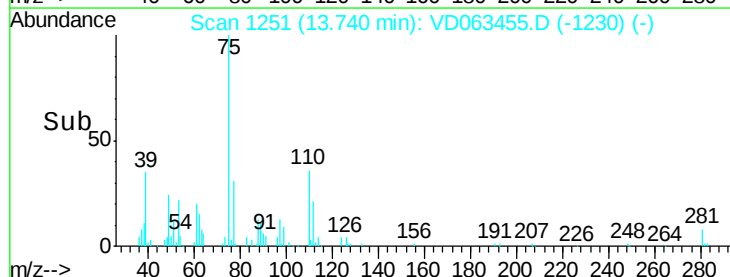
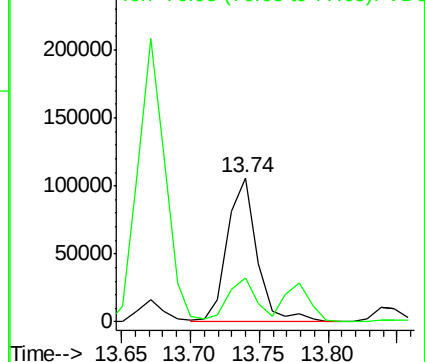
Ion Ratio Lower Upper

75 100

77 30.6 16.0 48.0



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





#77

Bromobenzene

Concen: 23.267 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD02

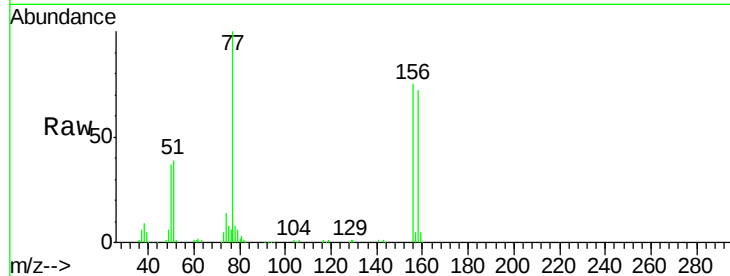
Tot Ion:156 Resp: 228117

Ion Ratio Lower Upper

156 100

77 134.0 67.6 202.8

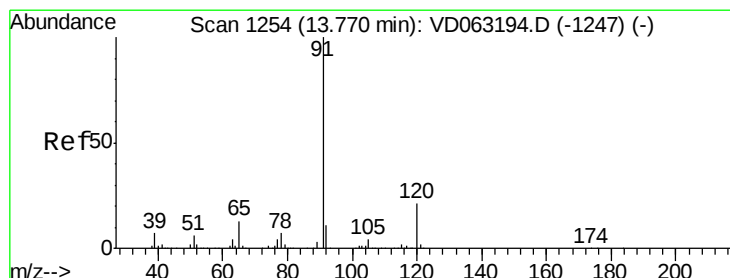
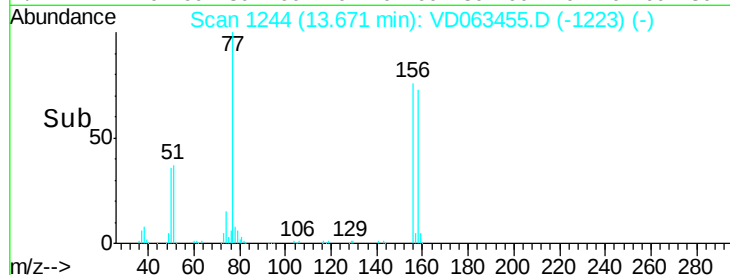
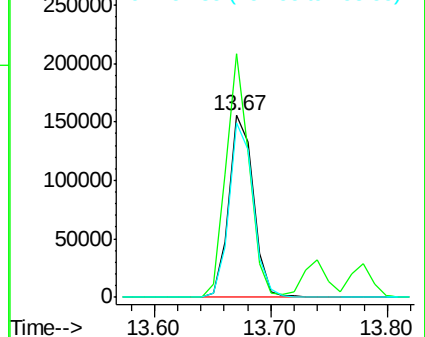
158 96.2 49.8 149.4



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: 22.693 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063455.D

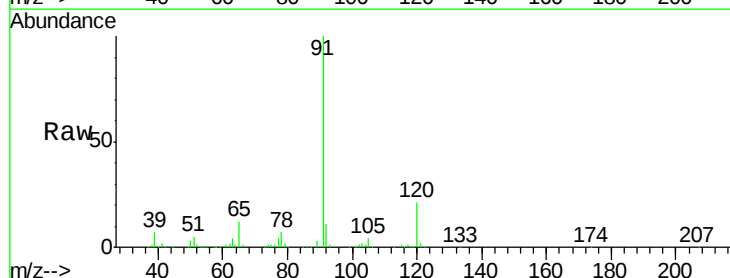
Acq: 9 Aug 2019 00:41

Tgt Ion: 91 Resp: 929421

Ion Ratio Lower Upper

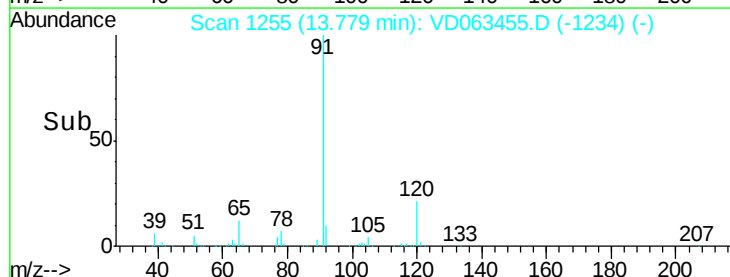
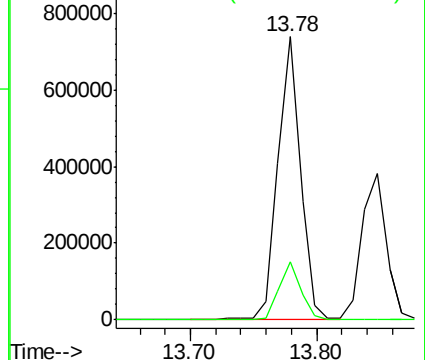
91 100

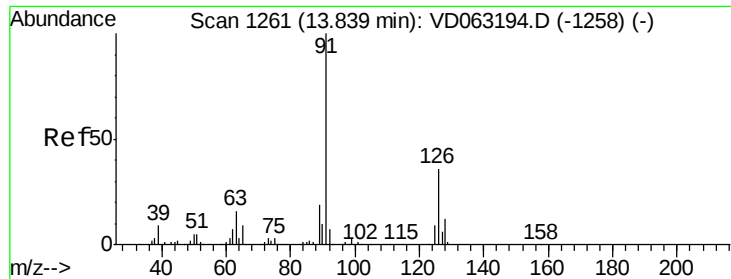
120 20.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.611 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

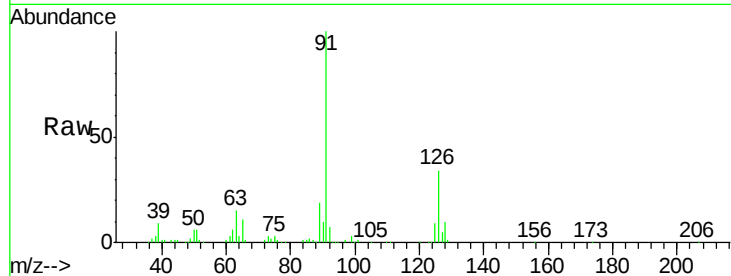
VD0808SBS02

Tot Ion: 91 Resp: 512860

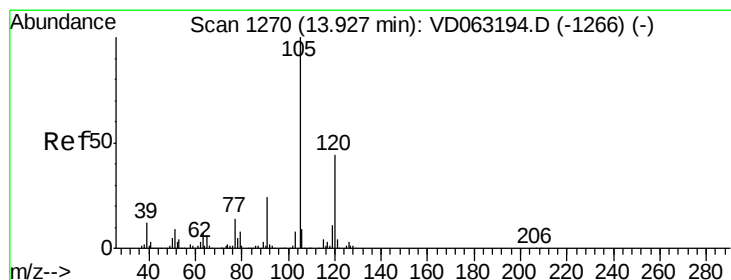
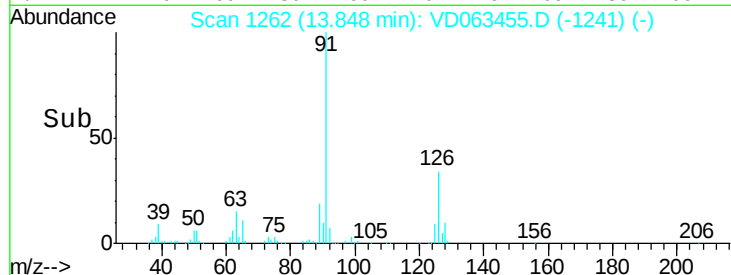
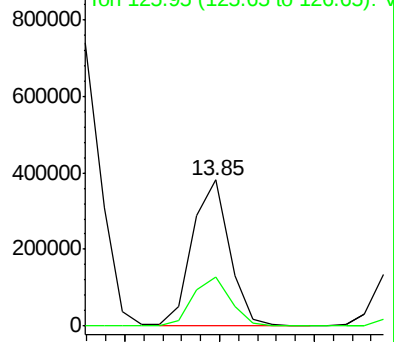
Ion Ratio Lower Upper

91 100

126 33.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.131 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063455.D

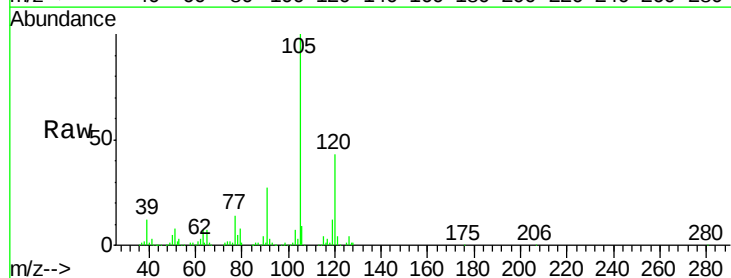
Acq: 9 Aug 2019 00:41

Tgt Ion:105 Resp: 656937

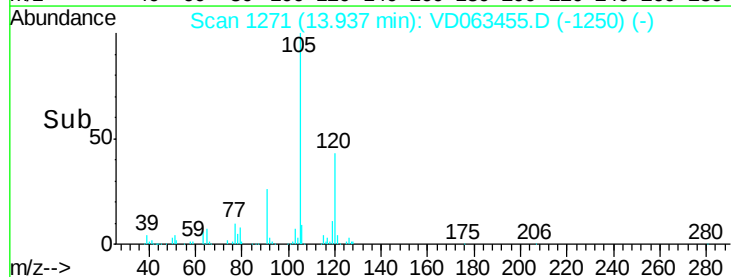
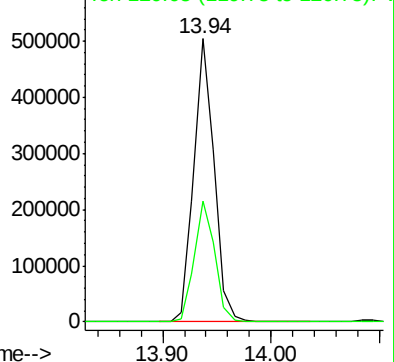
Ion Ratio Lower Upper

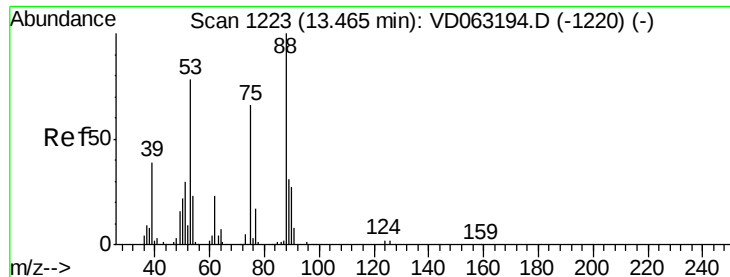
105 100

120 42.7 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063194.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.656 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD02

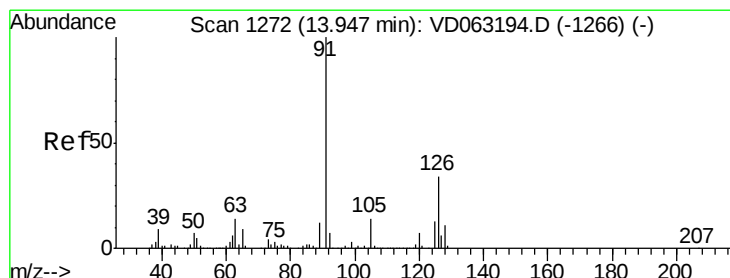
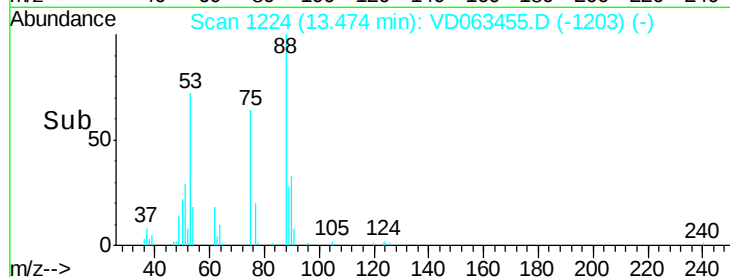
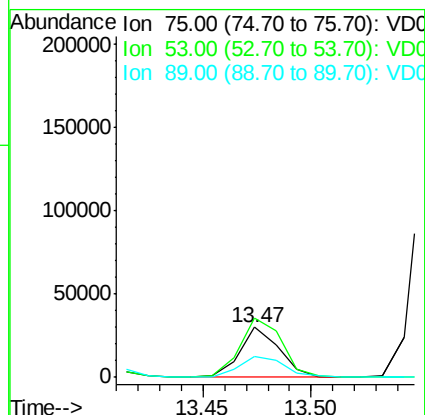
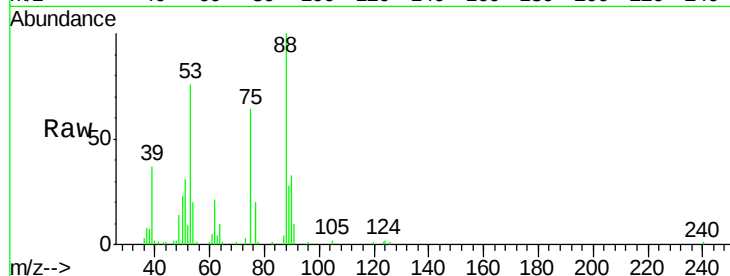
Tot Ion: 75 Resp: 37777

Ion Ratio Lower Upper

75 100

53 118.0 94.9 142.3

89 43.0 37.4 56.0



#82

4-Chlorotoluene

Concen: 23.023 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063455.D

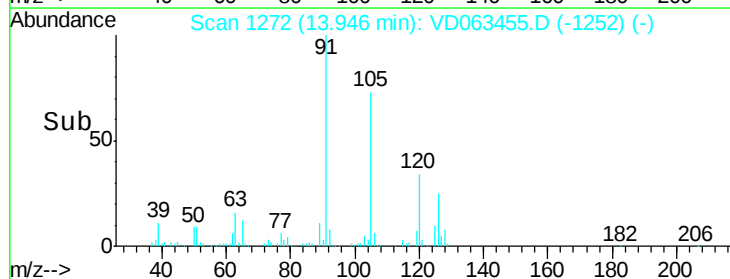
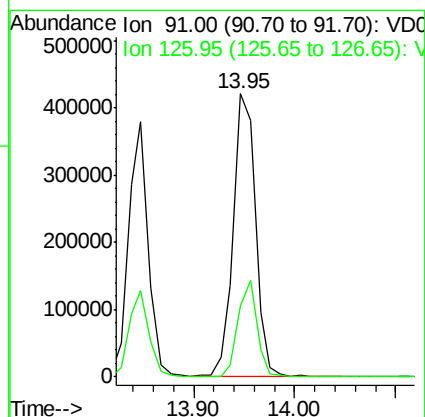
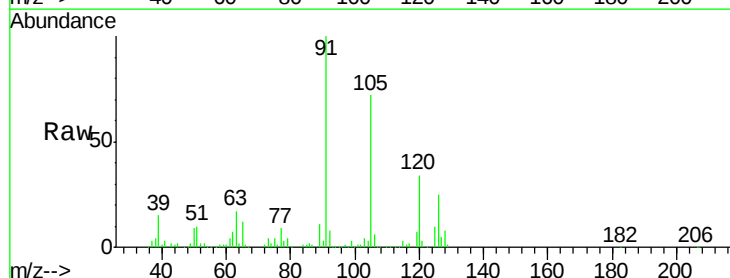
Acq: 9 Aug 2019 00:41

Tgt Ion: 91 Resp: 642986

Ion Ratio Lower Upper

91 100

126 25.1 17.1 51.2

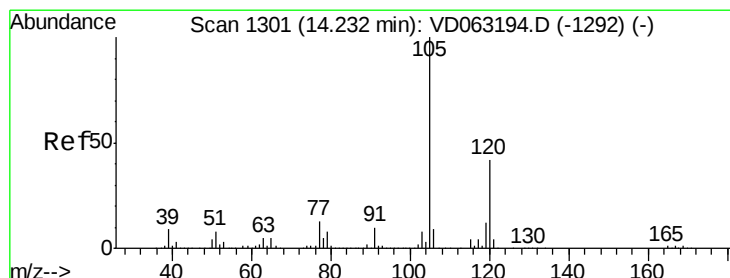
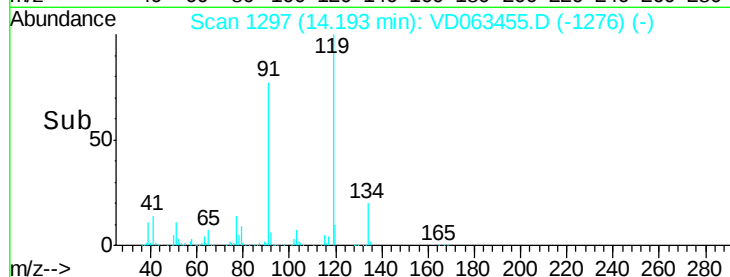
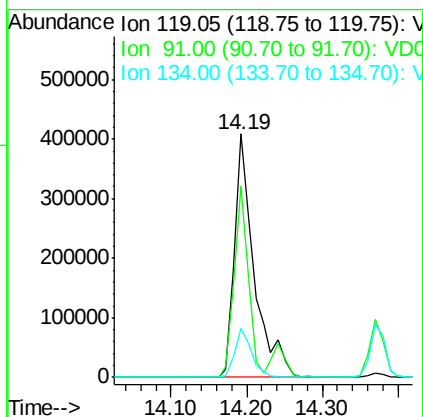
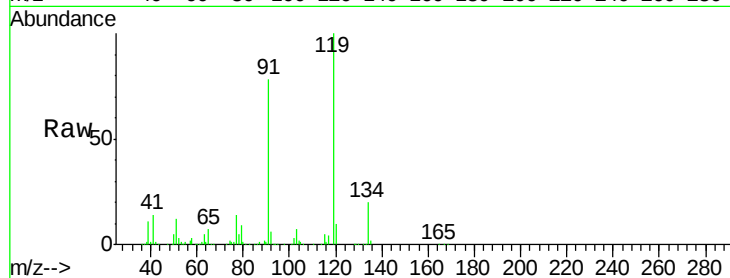




#83
 tert-Butylbenzene
 Concen: 21.394 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

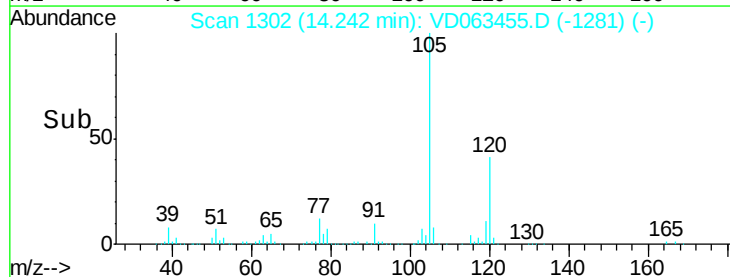
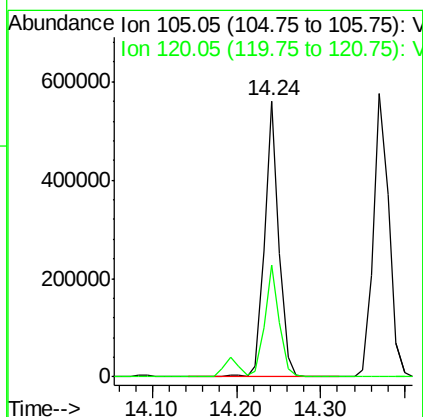
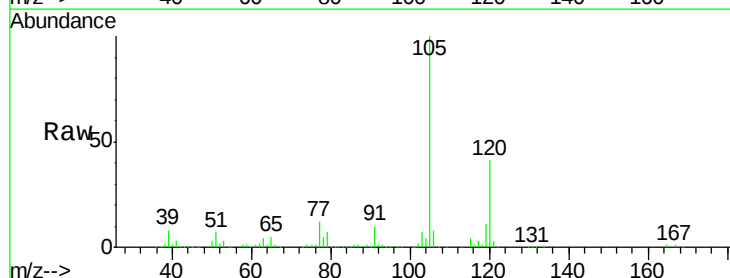
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0808SBSD02

Tot Ion:119 Resp: 725114
 Ion Ratio Lower Upper
 119 100
 91 78.5 39.1 117.5
 134 20.3 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.012 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion:105 Resp: 675828
 Ion Ratio Lower Upper
 105 100
 120 40.7 20.9 62.7





#85

sec-Butylbenzene

Concen: 20.708 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

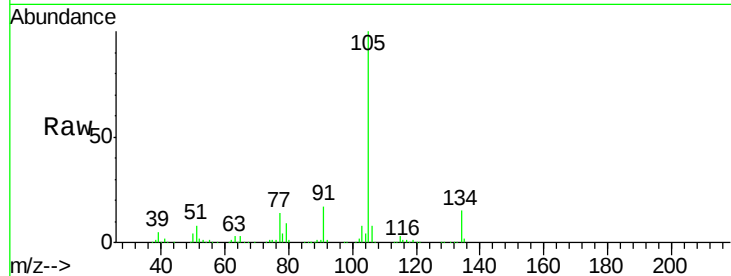
VD0808SBS02

Tot Ion:105 Resp: 739477

Ion Ratio Lower Upper

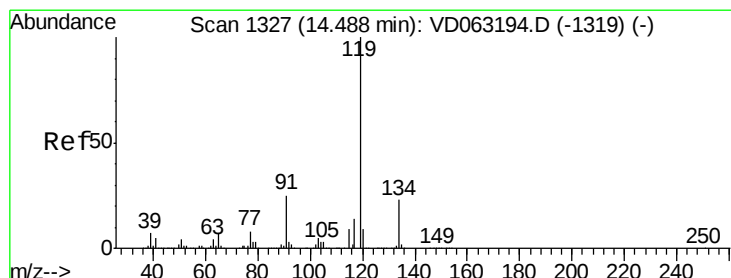
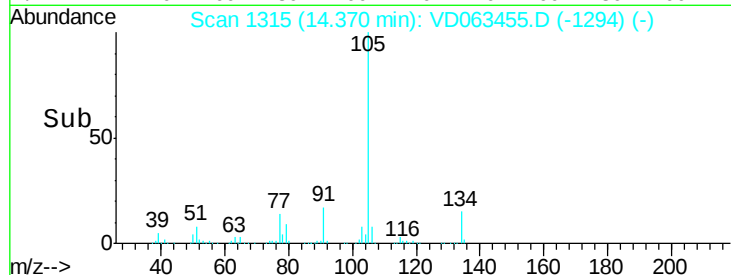
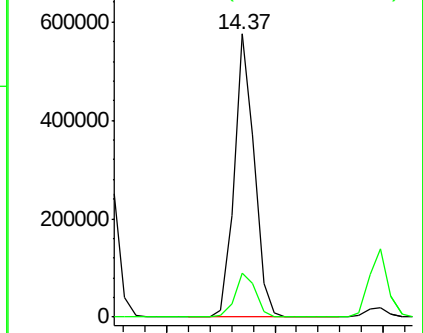
105 100

134 15.4 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.006 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

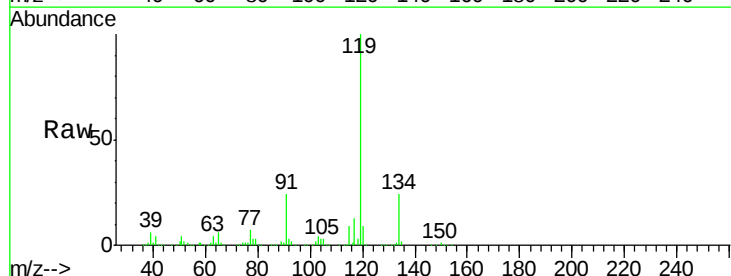
Tgt Ion:119 Resp: 750013

Ion Ratio Lower Upper

119 100

134 23.6 11.5 34.5

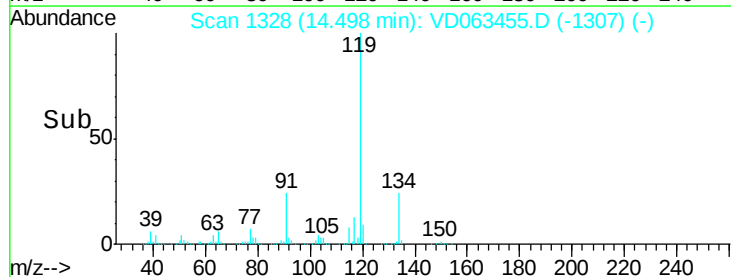
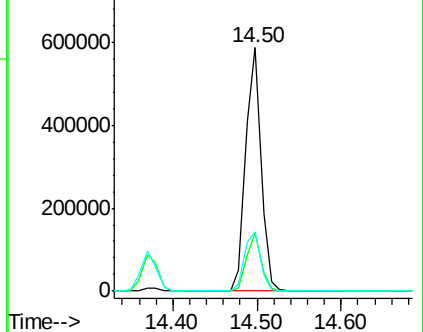
91 24.2 12.6 37.6

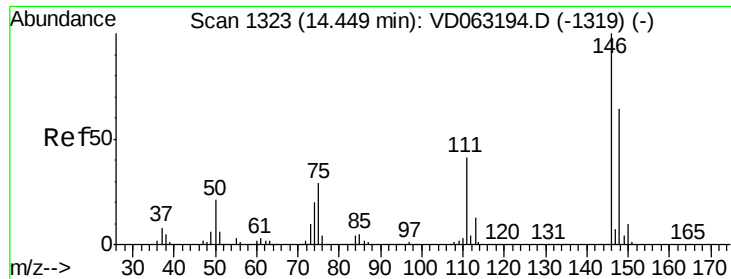


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

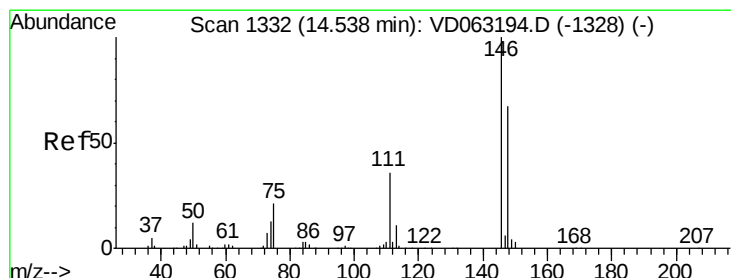
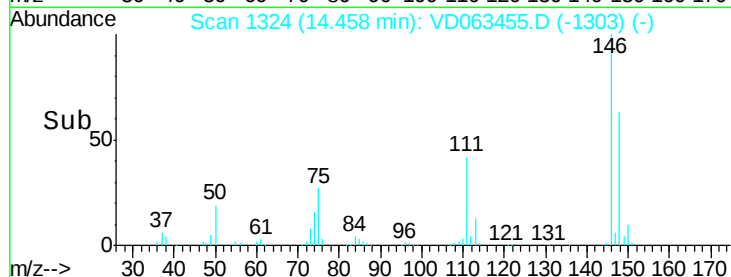
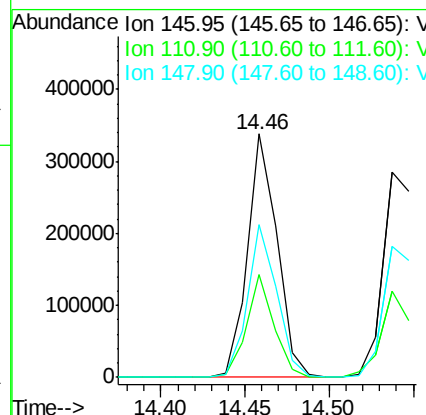
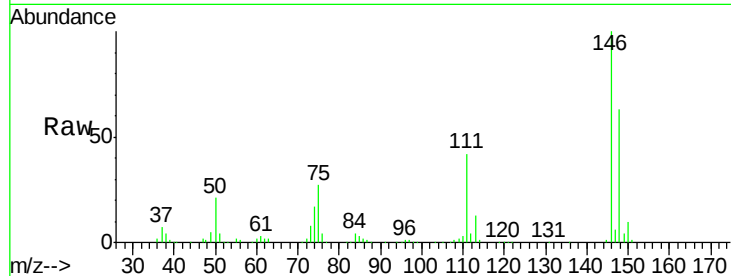




#87
 1,3-Dichlorobenzene
 Concen: 23.773 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

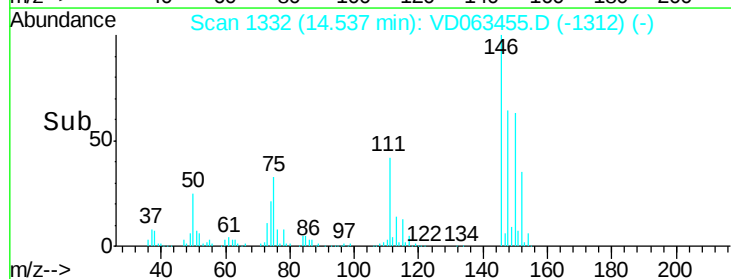
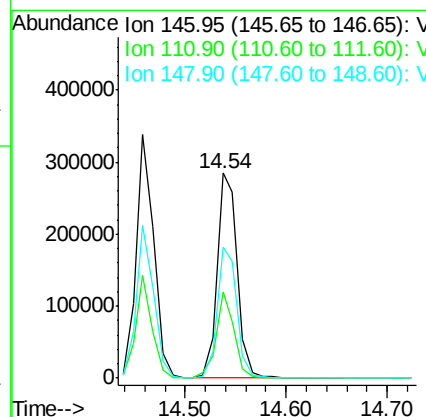
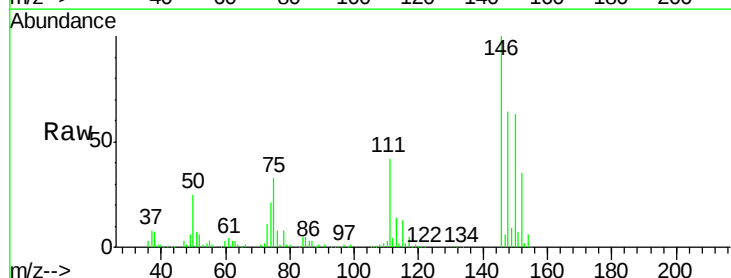
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD02

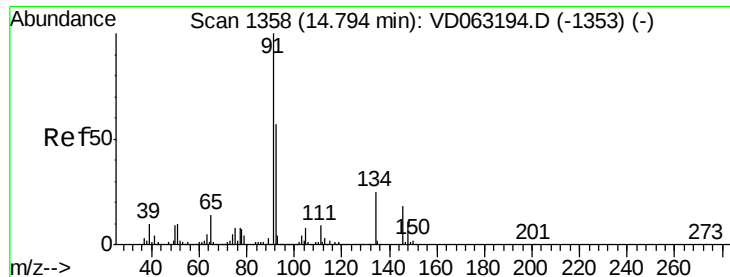
Tot Ion:146 Resp: 412759
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.4 61.3
 148 62.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.564 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion:146 Resp: 396164
 Ion Ratio Lower Upper
 146 100
 111 42.2 18.1 54.3
 148 63.9 33.4 100.1

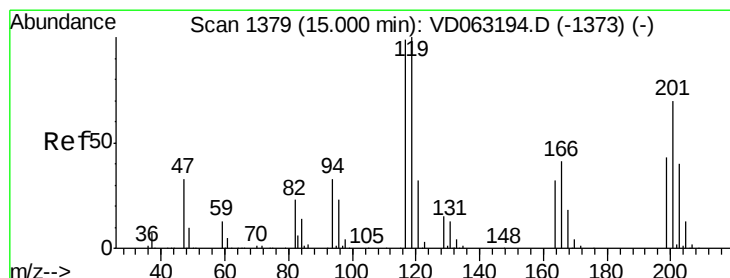
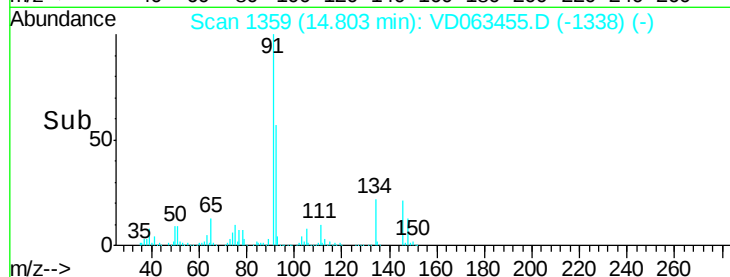
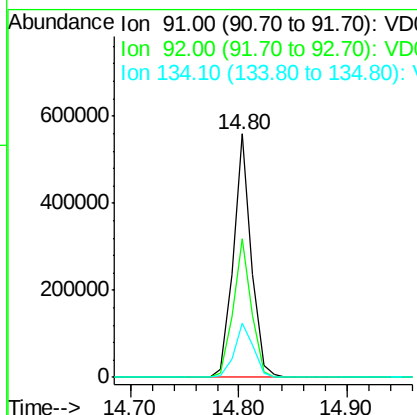
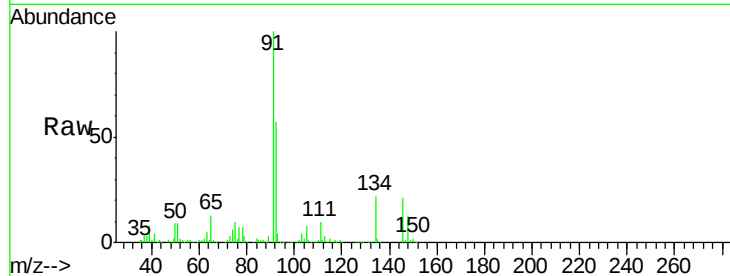




#89
n-Butylbenzene
Concen: 21.826 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

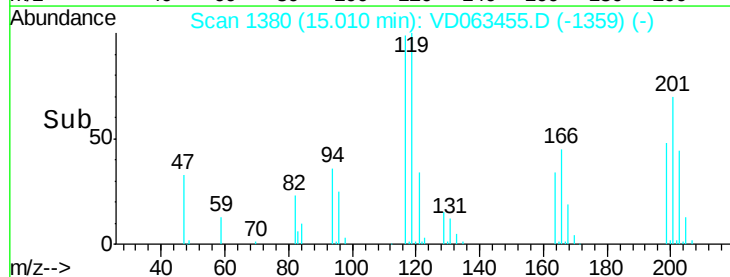
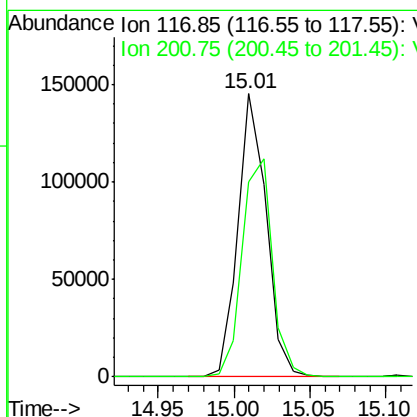
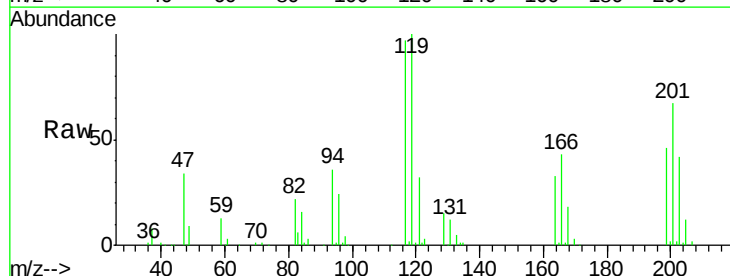
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

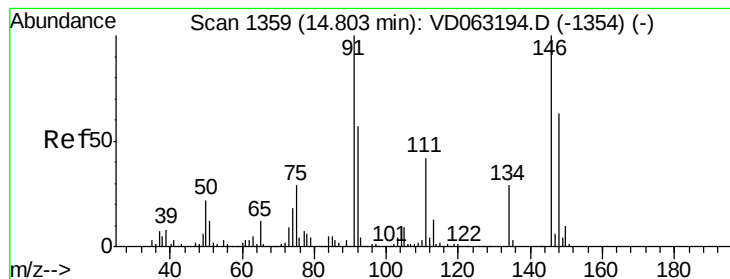
Tot Ion: 91 Resp: 642485
Ion Ratio Lower Upper
91 100
92 56.9 28.3 85.0
134 22.2 12.3 36.8



#90
Hexachloroethane
Concen: 21.197 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion: 117 Resp: 188220
Ion Ratio Lower Upper
117 100
201 69.1 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 22.676 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD02

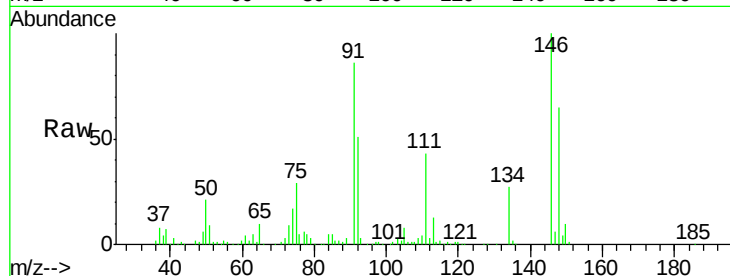
Tot Ion:146 Resp: 343027

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.3

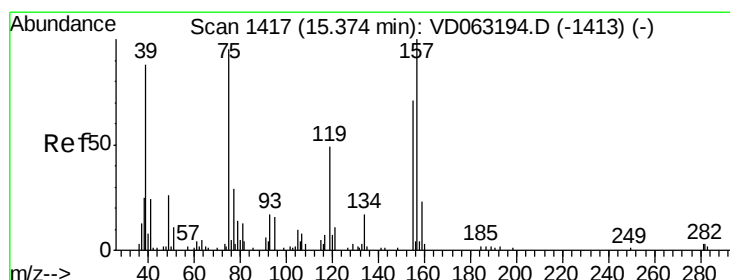
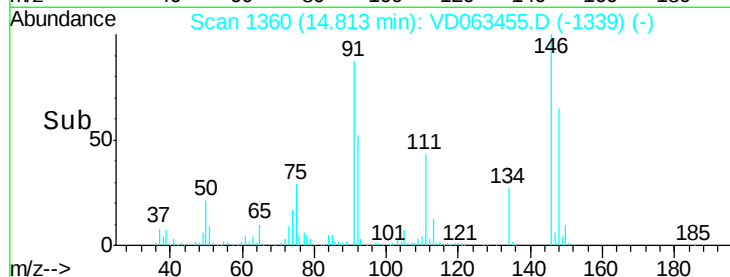
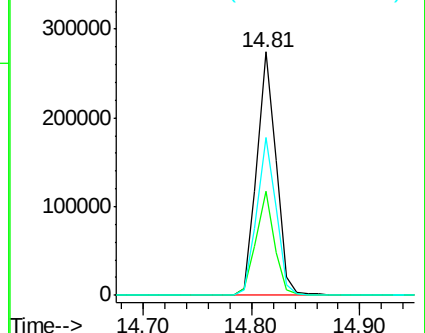
148 64.8 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.680 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063455.D

Acq: 9 Aug 2019 00:41

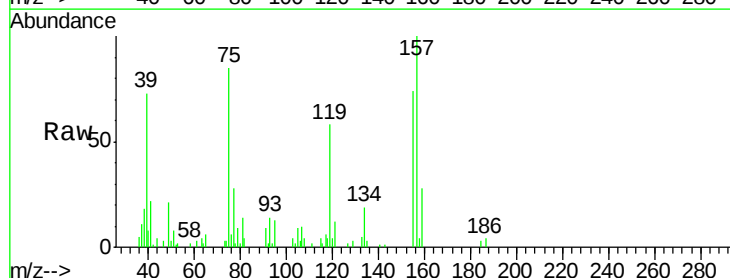
Tgt Ion: 75 Resp: 25817

Ion Ratio Lower Upper

75 100

155 86.8 37.0 111.0

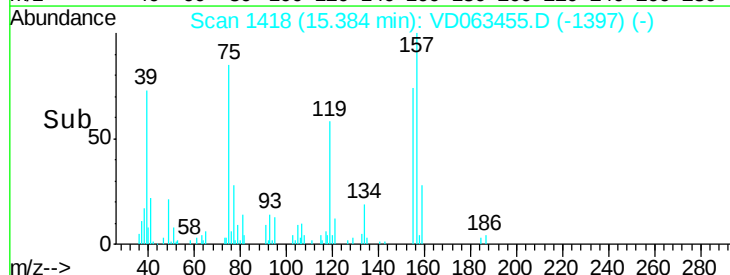
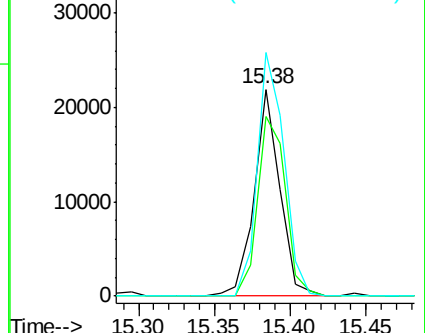
157 117.7 52.4 157.2

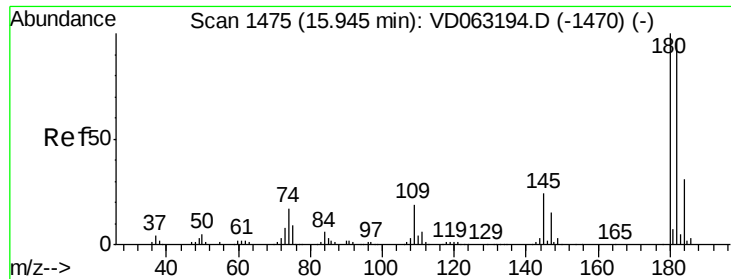


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

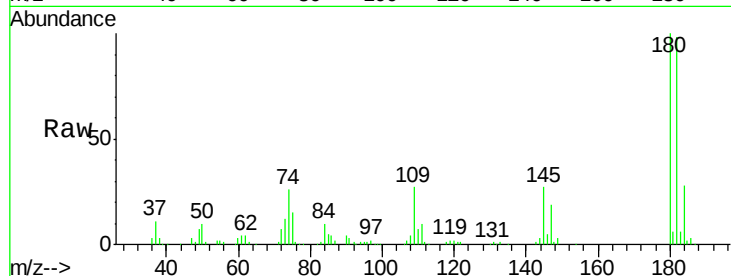




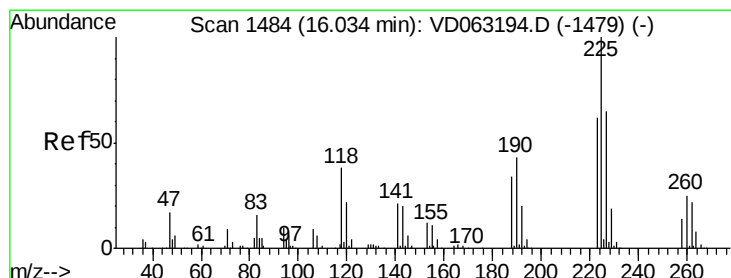
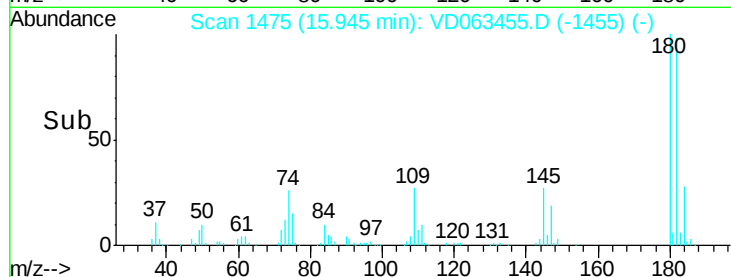
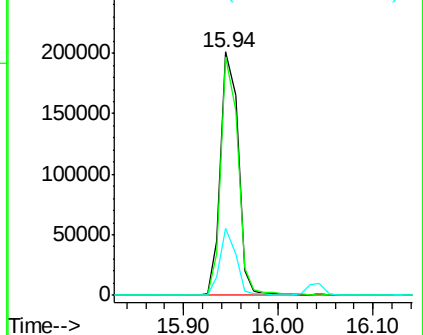
#93
 1,2,4-Trichlorobenzene
 Concen: 21.862 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

Tot Ion:180 Resp: 262359
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.6 145.8
 145 27.5 12.2 36.6

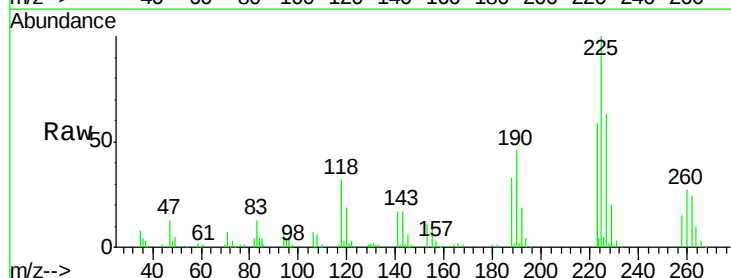


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

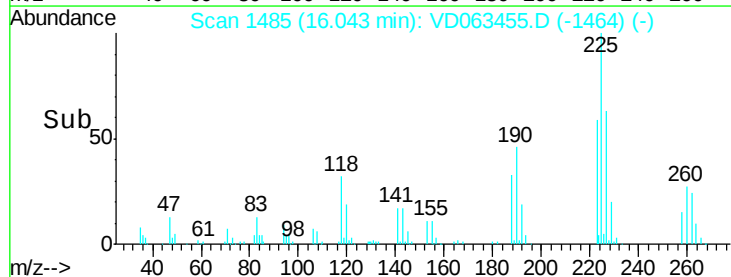
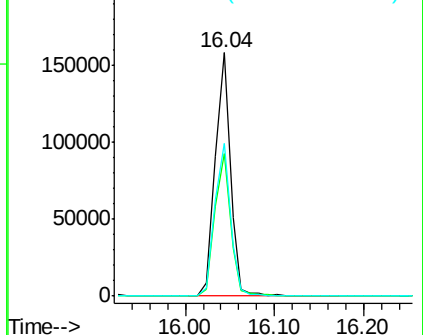


#94
 Hexachlorobutadiene
 Concen: 21.690 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063455.D
 Acq: 9 Aug 2019 00:41

Tgt Ion:225 Resp: 188628
 Ion Ratio Lower Upper
 225 100
 223 58.7 30.9 92.5
 227 62.8 32.6 97.7



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

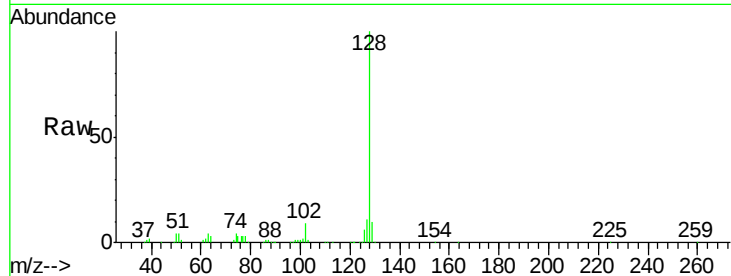




#95
Naphthalene
Concen: 22.994 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

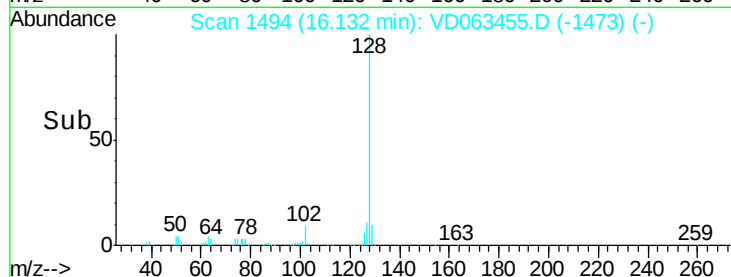
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD02

Tot Ion:128 Resp: 390027
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.4
129 9.6 7.8 11.8

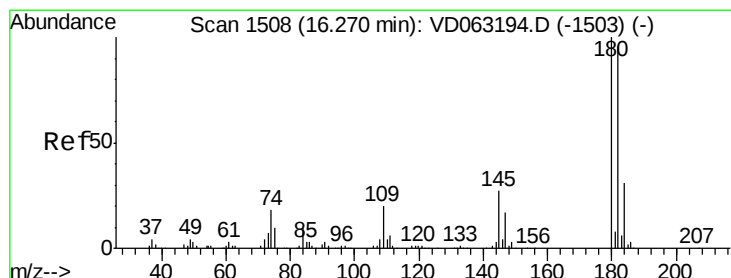


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

16.13

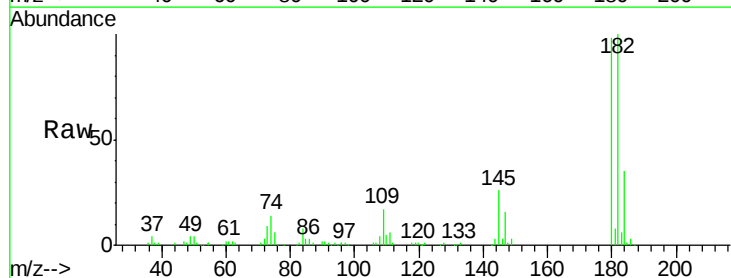


Time-->



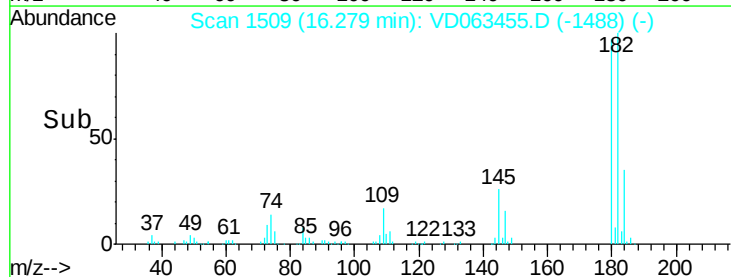
#96
1,2,3-Trichlorobenzene
Concen: 22.757 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD063455.D
Acq: 9 Aug 2019 00:41

Tgt Ion:180 Resp: 215742
Ion Ratio Lower Upper
180 100
182 102.5 48.3 144.9
145 26.8 13.6 40.7



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

16.28



Time-->