

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063134.D
 Acq On : 17 Jul 2019 16:30
 Operator : VA/AP
 Sample : VD0717SBS01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:57:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	943380	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1305029	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1024882	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	548394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	386447	32.88	ug/l	0.00
Spiked Amount			Recovery	=	65.76%	
35) Dibromofluoromethane	6.92	113	464816	35.76	ug/l	0.00
Spiked Amount			Recovery	=	71.52%	
50) Toluene-d8	10.41	98	922740	33.05	ug/l	0.00
Spiked Amount			Recovery	=	66.10%	
62) 4-Bromofluorobenzene	13.56	95	425675	32.95	ug/l	0.00
Spiked Amount			Recovery	=	65.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	183885	15.439	ug/l	97
3) Chloromethane	1.74	50	136153	13.464	ug/l #	78
4) Vinyl Chloride	1.84	62	142413	14.144	ug/l	96
5) Bromomethane	2.14	94	58473	12.792	ug/l	93
6) Chloroethane	2.25	64	63781	13.637	ug/l	99
7) Trichlorofluoromethane	2.52	101	283279	13.898	ug/l	93
8) Diethyl Ether	2.86	74	37485	13.074	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	154978	13.187	ug/l	94
10) Methyl Iodide	3.29	142	199890	13.854	ug/l	98
11) Tert butyl alcohol	4.09	59	40566	59.814	ug/l	98
12) 1,1-Dichloroethene	3.11	96	112803	13.516	ug/l	94
13) Acrolein	3.15	56	528	2.579	ug/l	88
14) Allyl chloride	3.61	41	185622	14.152	ug/l	91
15) Acrylonitrile	4.19	53	97736	65.194	ug/l	93
16) Acetone	3.22	43	155129	54.655	ug/l	99
17) Carbon Disulfide	3.37	76	327788	13.722	ug/l	96
18) Methyl Acetate	3.64	43	86909	18.545	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	279050	13.246	ug/l	96
20) Methylene Chloride	3.81	84	139602	13.019	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	126115	13.612	ug/l	96
22) Diisopropyl ether	5.12	45	398016	13.957	ug/l	99
23) Vinyl Acetate	5.05	43	1070681	64.352	ug/l #	96
24) 1,1-Dichloroethane	4.98	63	240784	13.707	ug/l	99
25) 2-Butanone	6.07	43	168359	62.116	ug/l	99
26) 2,2-Dichloropropane	6.01	77	258747	13.309	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	140588	13.340	ug/l	98
28) Bromochloromethane	6.43	49	91142	14.301	ug/l	88
29) Tetrahydrofuran	6.47	42	80644	65.637	ug/l	96
30) Chloroform	6.66	83	306713	14.177	ug/l	98
31) Cyclohexane	6.95	56	151026	13.500	ug/l #	96
32) 1,1,1-Trichloroethane	6.87	97	311066	14.581	ug/l	98
36) 1,1-Dichloropropene	7.14	75	188785	12.862	ug/l	98
37) Ethyl Acetate	6.18	43	83183	13.242	ug/l	99
38) Carbon Tetrachloride	7.11	117	287097	12.873	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	162530	12.809	ug/l	95
40) Benzene	7.45	78	395100	12.853	ug/l	95
41) Methacrylonitrile	6.45	41	106358	12.489	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	229854	14.035	ug/l	98
43) Isopropyl Acetate	9.24	43	112378	12.481	ug/l #	96
44) Trichloroethene	8.53	130	158590	13.349	ug/l	90
45) 1,2-Dichloropropane	8.94	63	98030	12.791	ug/l #	86
46) Dibromomethane	9.07	93	89468	13.584	ug/l	90
47) Bromodichloromethane	9.38	83	234291	13.632	ug/l #	95
48) Methyl methacrylate	9.13	41	71809	12.145	ug/l	97
49) 1,4-Dioxane	9.09	88	12624	247.567	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	397693	66.596	ug/l	95
52) Toluene	10.50	92	275762	13.434	ug/l	90
53) t-1,3-Dichloropropene	10.92	75	194825	13.231	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	192709	12.657	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	101717	14.338	ug/l	91
56) Ethyl methacrylate	11.04	69	101248	12.774	ug/l	98
57) 1,3-Dichloropropane	11.41	76	142958	13.244	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	275607	62.449	ug/l	97
59) 2-Hexanone	11.54	43	273952	59.484	ug/l	92
60) Dibromochloromethane	11.68	129	177269	13.036	ug/l	90
61) 1,2-Dibromoethane	11.80	107	120257	14.162	ug/l	92
64) Tetrachloroethene	11.26	164	145923	14.673	ug/l	94
65) Chlorobenzene	12.40	112	345330	14.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	162186	14.520	ug/l	99
67) Ethyl Benzene	12.52	91	590220	14.100	ug/l	97
68) m/p-Xylenes	12.67	106	451682	30.126	ug/l	98
69) o-Xylene	13.05	106	203534	14.316	ug/l	99
70) Styrene	13.07	104	369721	14.857	ug/l	98
71) Bromoform	13.24	173	109709	14.029	ug/l #	96
73) Isopropylbenzene	13.41	105	663078	15.657	ug/l	98
74) N-amyl acetate	13.27	43	166754	14.118	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	109741	14.242	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	108916	12.911	ug/l	94
77) Bromobenzene	13.67	156	189585	15.786	ug/l	94
78) n-propylbenzene	13.77	91	769001	15.779	ug/l	97
79) 2-Chlorotoluene	13.84	91	449590	15.257	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	525003	14.224	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	32270	14.526	ug/l	90
82) 4-Chlorotoluene	13.95	91	532974	15.489	ug/l	93
83) tert-Butylbenzene	14.20	119	610480	14.627	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	562140	15.276	ug/l	98
85) sec-Butylbenzene	14.37	105	650918	14.679	ug/l	99
86) p-Isopropyltoluene	14.49	119	627862	15.178	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	332185	15.488	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	303614	14.766	ug/l	97
89) n-Butylbenzene	14.80	91	568106	14.900	ug/l	97
90) Hexachloroethane	15.01	117	149315	13.502	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	284269	14.884	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	21444	14.519	ug/l	63

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Quant Time: Jul 18 06:57:29 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

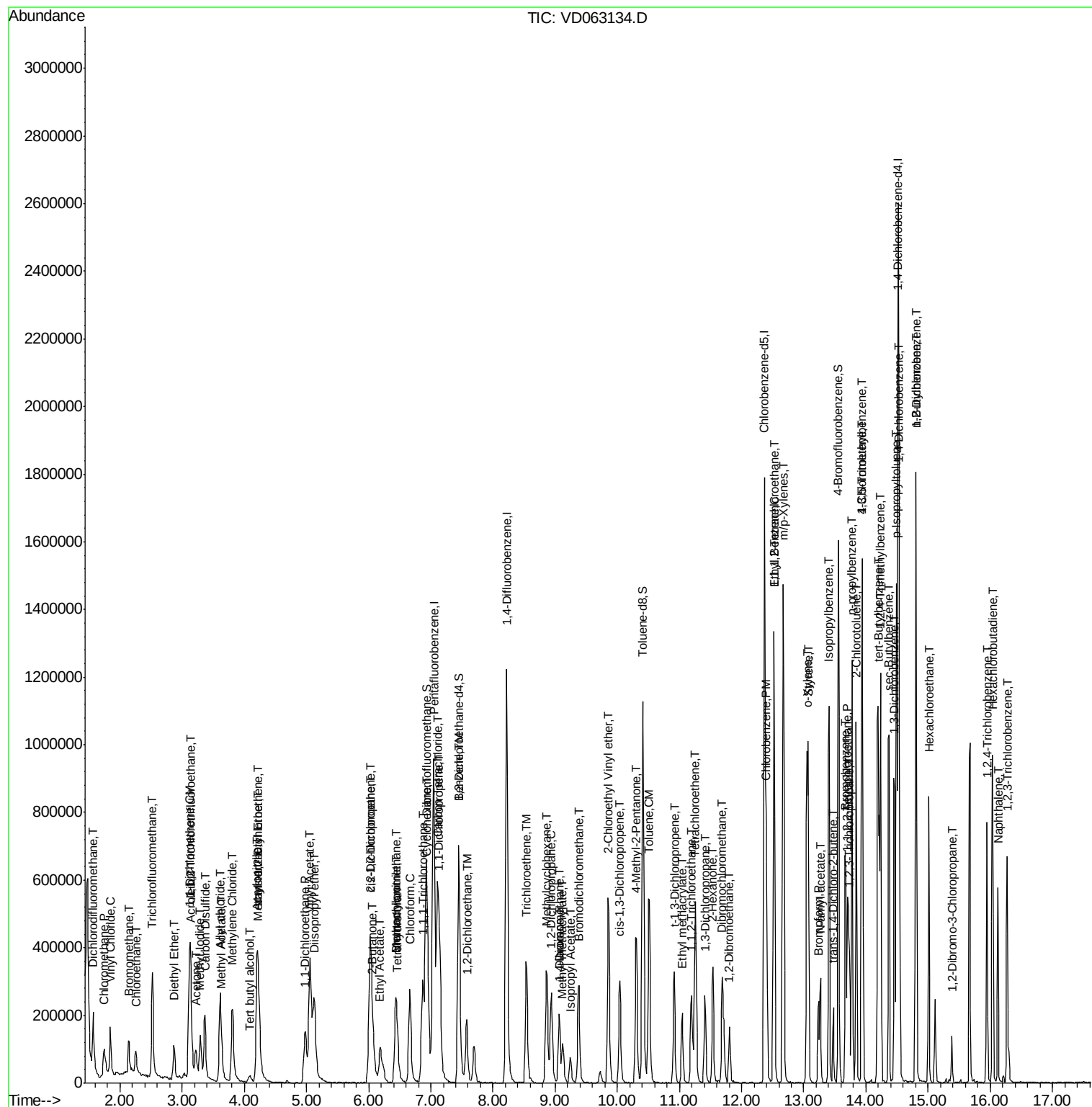
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	209886	14.628	ug/l	99
94) Hexachlorobutadiene	16.04	225	156431	14.791	ug/l	97
95) Naphthalene	16.12	128	315018	15.009	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	165965	14.378	ug/l	97

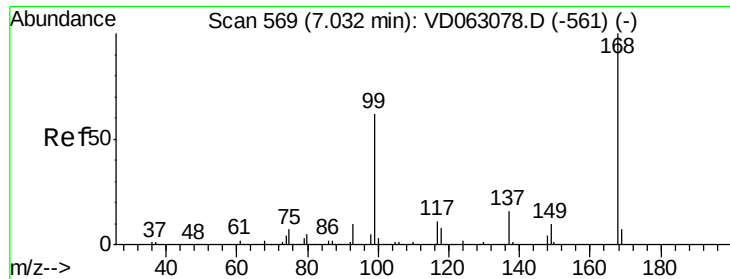
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

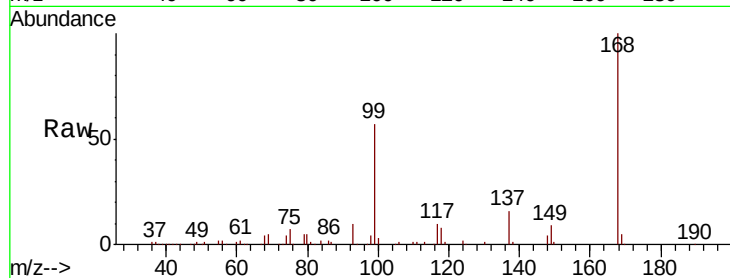
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 943380

Ion Ratio Lower Upper

168 100

99 57.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

300000

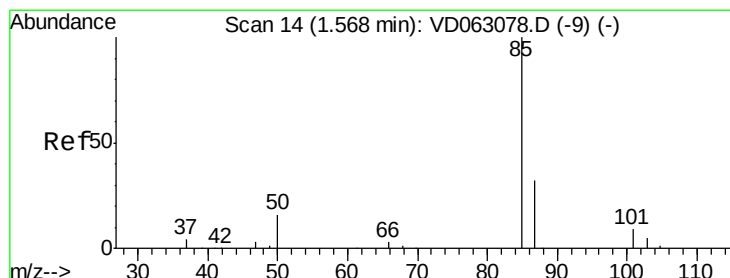
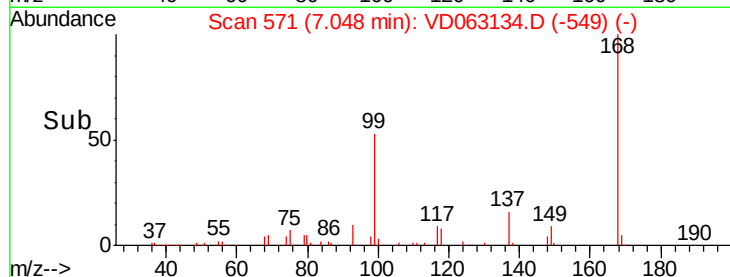
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 15.439 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063134.D

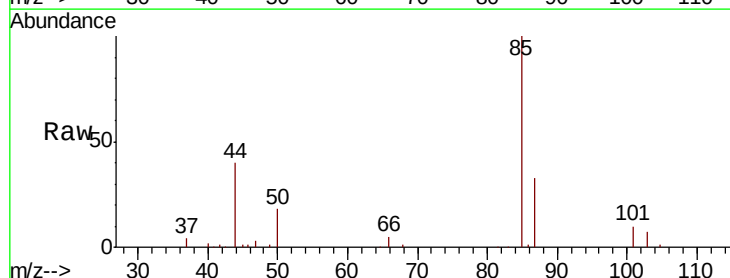
Acq: 17 Jul 2019 16:30

Tgt Ion: 85 Resp: 183885

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.56

100000

80000

60000

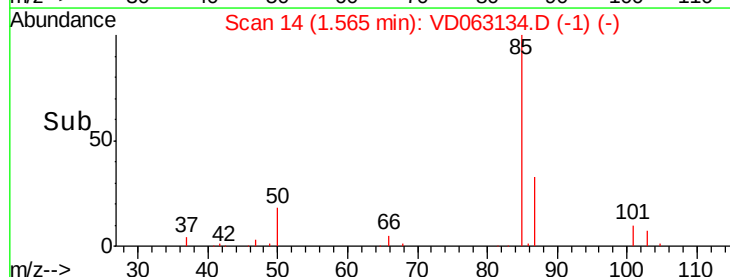
40000

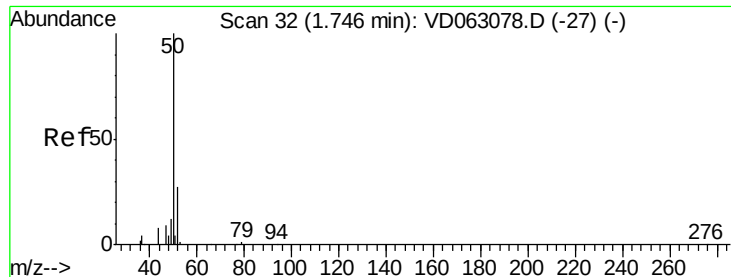
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 13.464 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

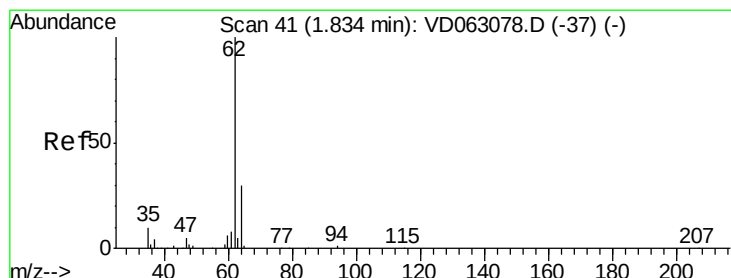
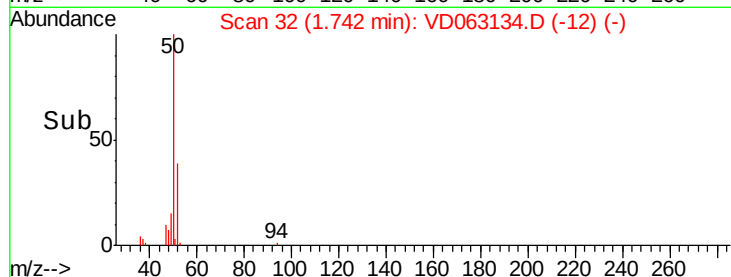
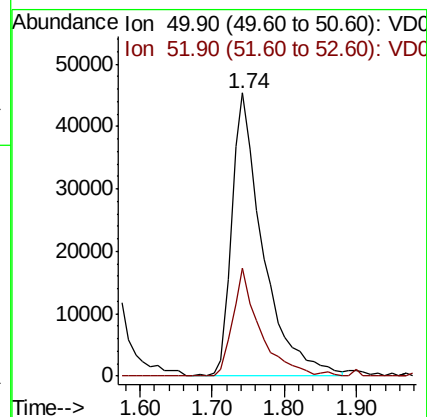
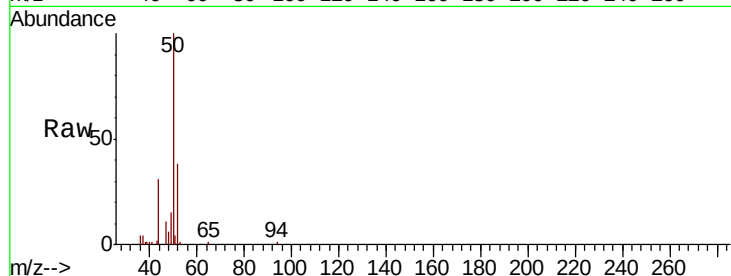
ClientSampleId :

Tot Ion: 50 Resp: 136153

Ion Ratio Lower Upper

50 100

52 38.1 21.4 32.2#



#4

Vinyl Chloride

Concen: 14.144 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063134.D

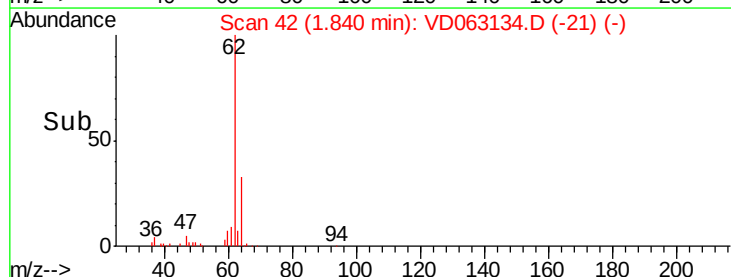
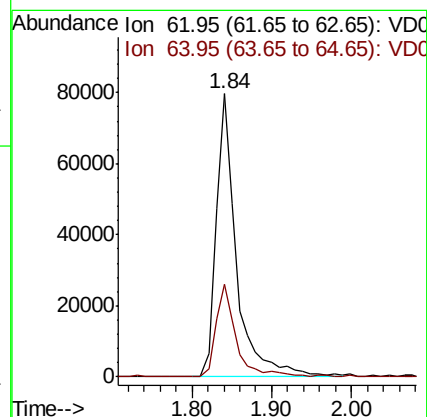
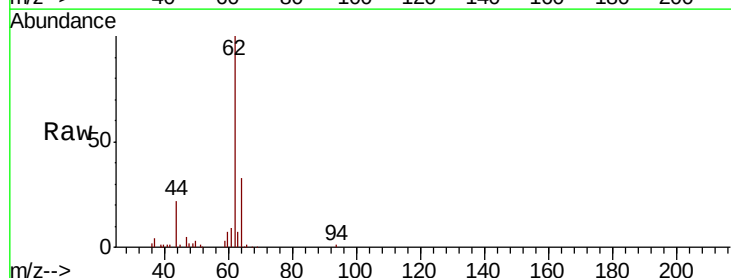
Acq: 17 Jul 2019 16:30

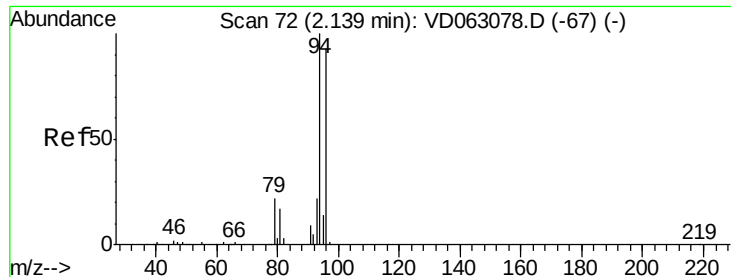
Tgt Ion: 62 Resp: 142413

Ion Ratio Lower Upper

62 100

64 32.7 24.4 36.6





#5

Bromomethane

Concen: 12.792 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

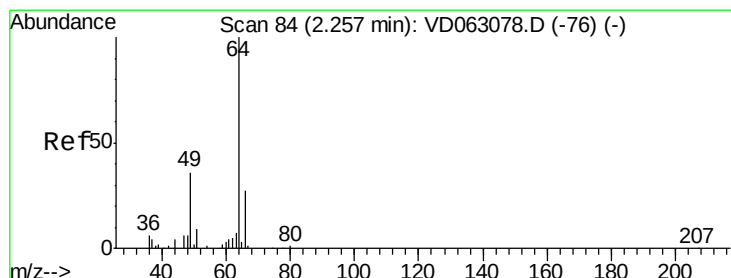
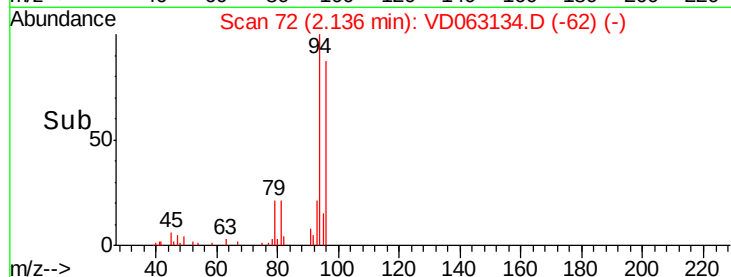
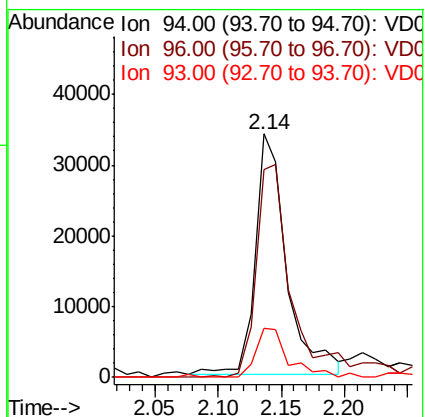
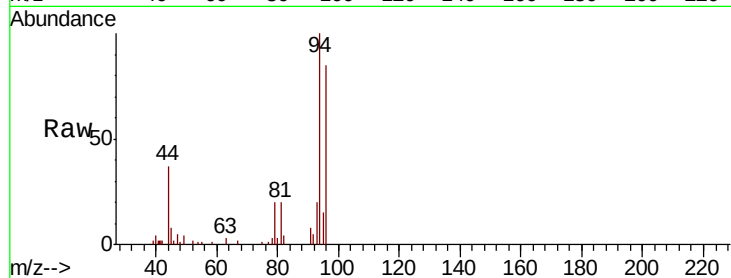
Tot Ion: 94 Resp: 58473

Ion Ratio Lower Upper

94 100

96 85.1 74.2 111.2

93 20.3 17.8 26.6



#6

Chloroethane

Concen: 13.637 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063134.D

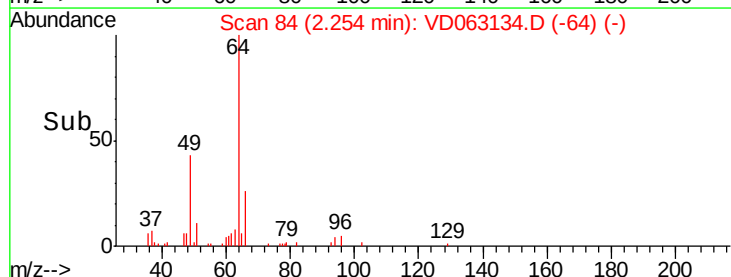
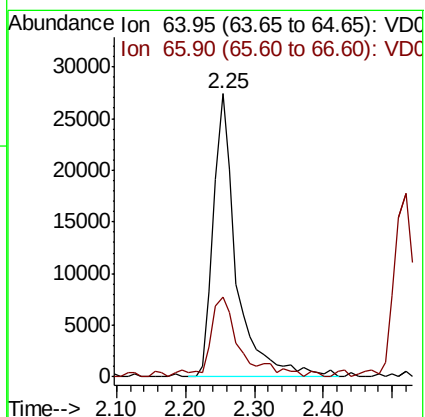
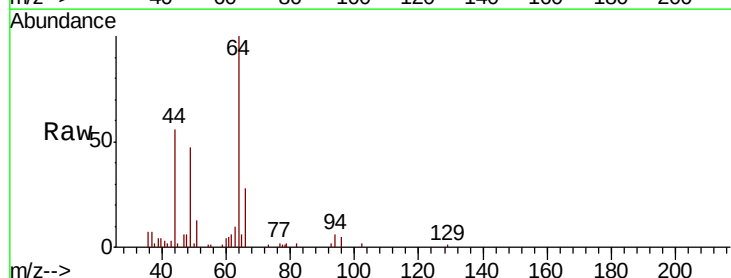
Acq: 17 Jul 2019 16:30

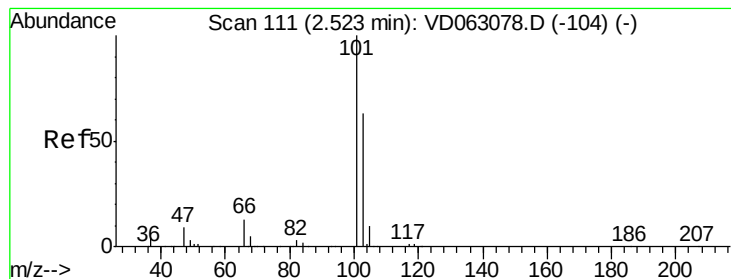
Tgt Ion: 64 Resp: 63781

Ion Ratio Lower Upper

64 100

66 28.4 22.5 33.7



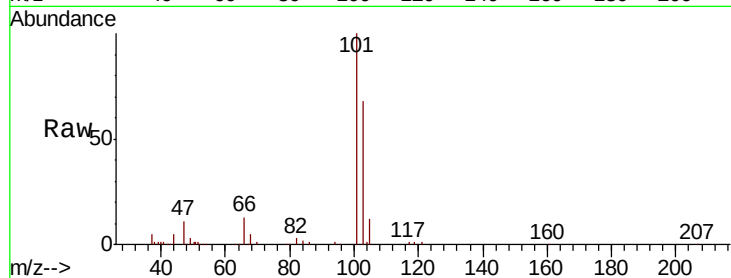


#7

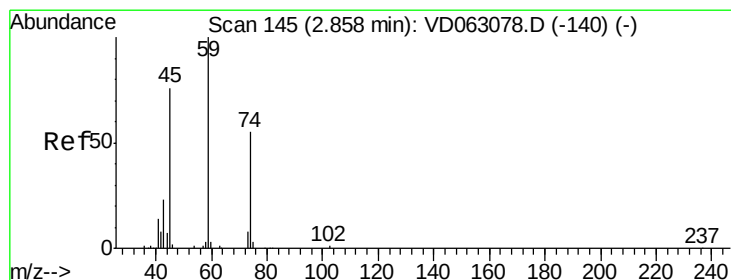
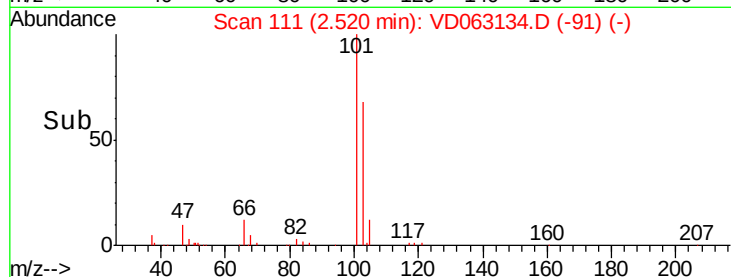
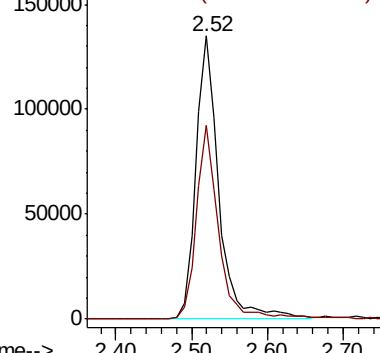
Trichlorofluoromethane
Concen: 13.898 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 283279
Ion Ratio Lower Upper
101 100
103 68.4 50.6 76.0



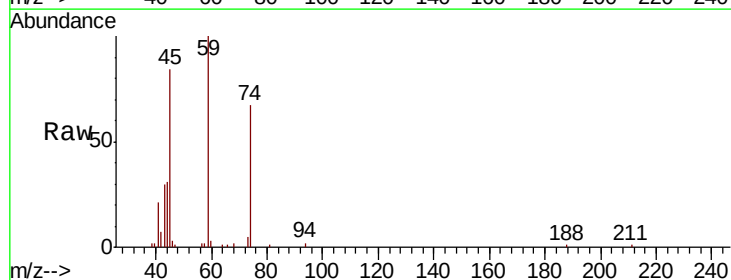
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



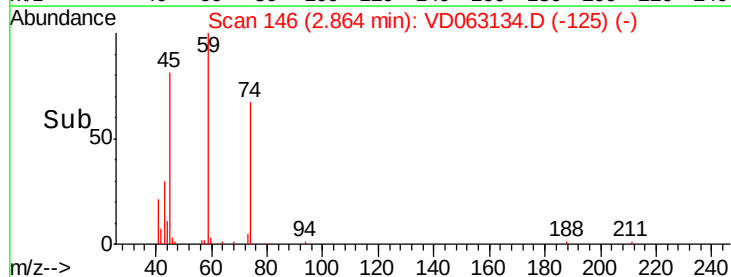
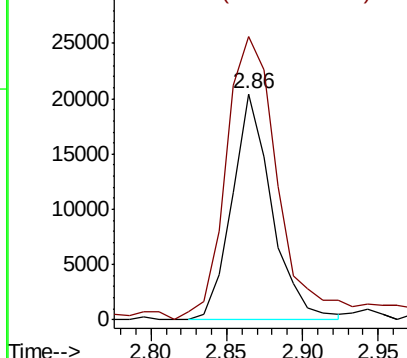
#8

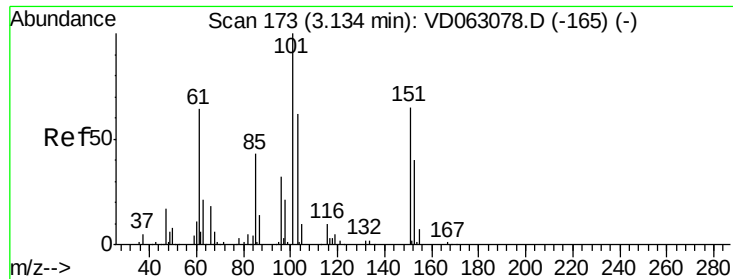
Diethyl Ether
Concen: 13.074 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 74 Resp: 37485
Ion Ratio Lower Upper
74 100
45 125.2 69.5 208.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.187 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

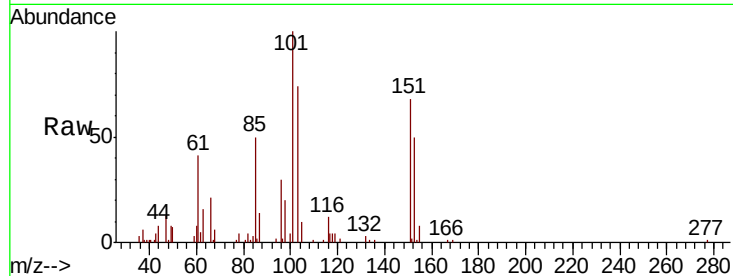
Tot Ion:101 Resp: 154978

Ion Ratio Lower Upper

101 100

85 49.6 34.6 51.8

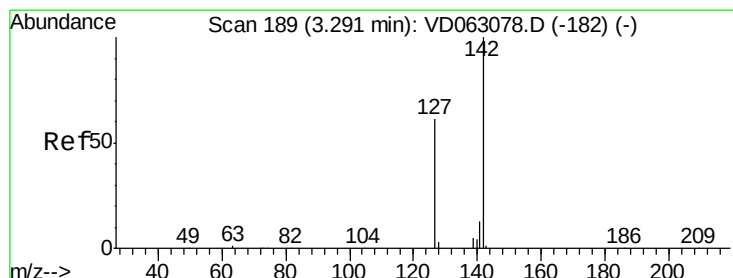
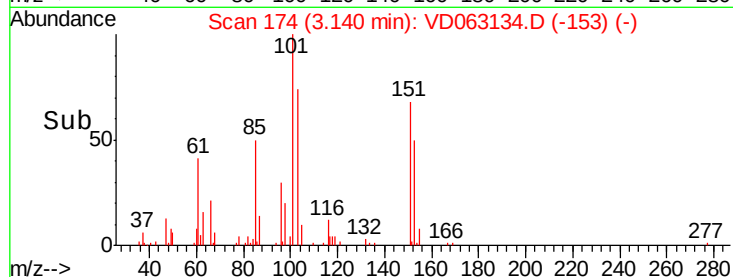
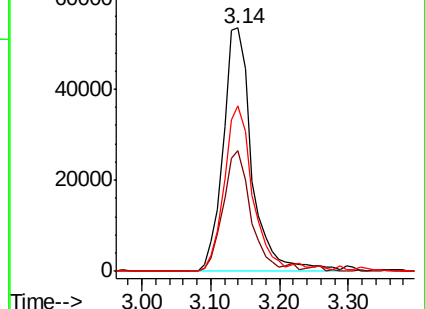
151 67.9 52.4 78.6



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: 13.854 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

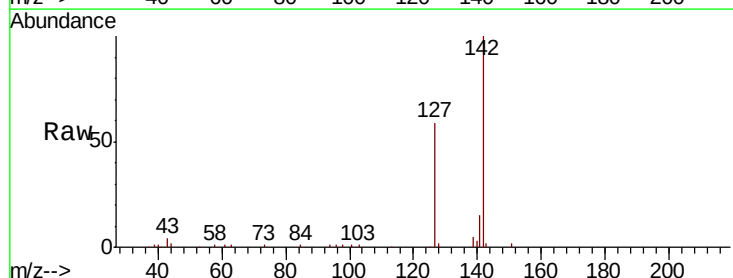
Tgt Ion:142 Resp: 199890

Ion Ratio Lower Upper

142 100

127 59.1 48.6 73.0

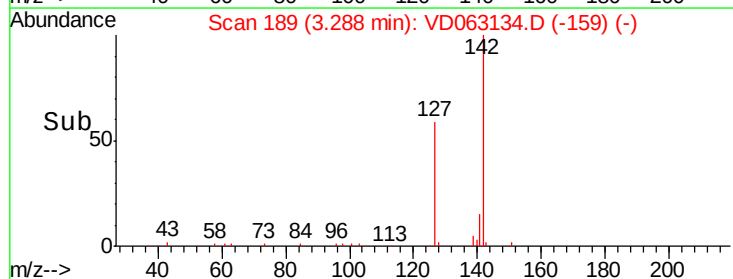
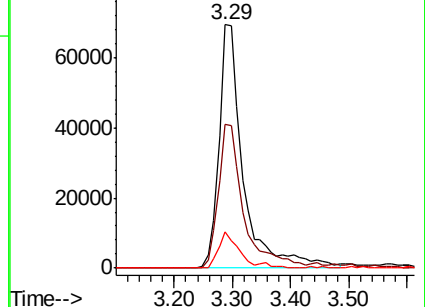
141 14.6 10.6 16.0

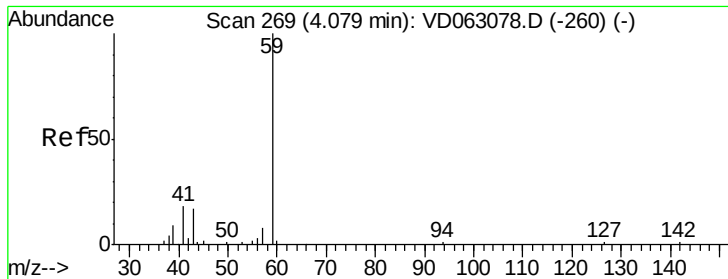


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



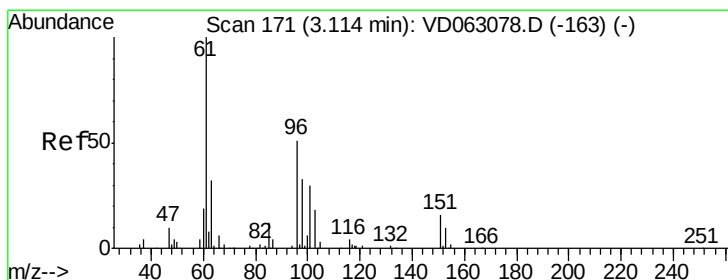
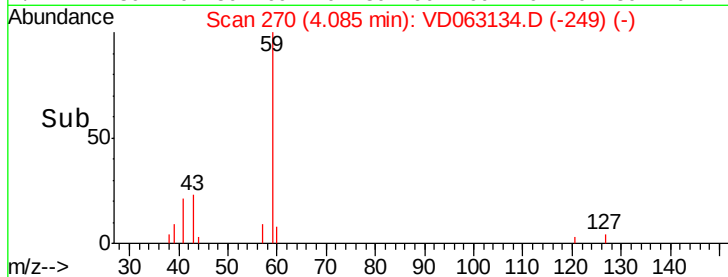
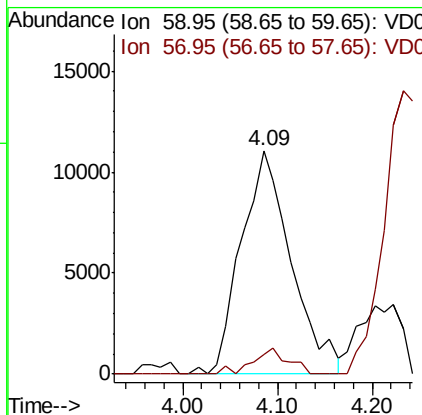
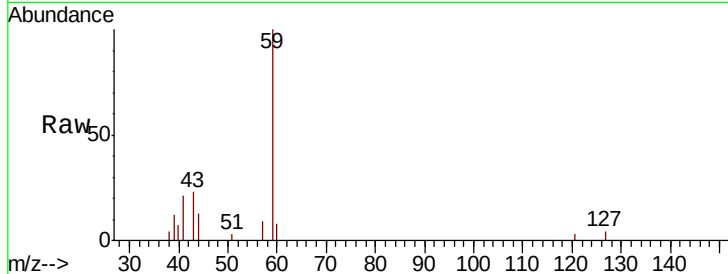


#11

Tert butyl alcohol
 Concen: 59.814 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Instrument :
 MSVOA_D
 ClientSampleId :

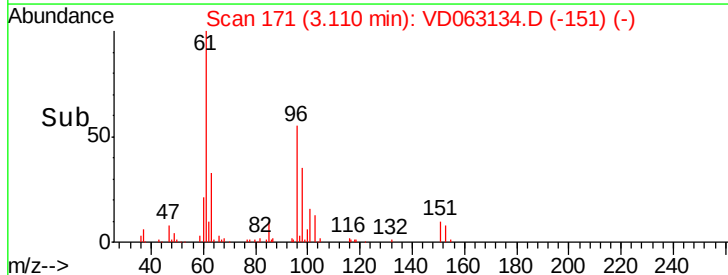
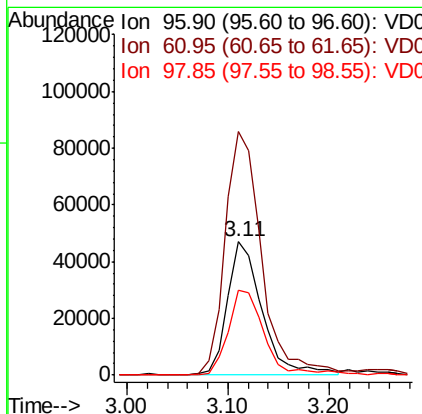
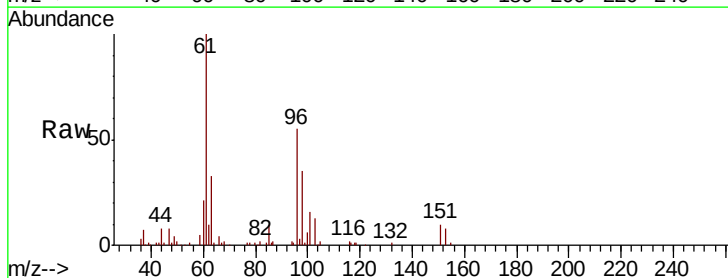
Tot Ion: 59 Resp: 40566
 Ion Ratio Lower Upper
 59 100
 57 8.7 6.4 9.6

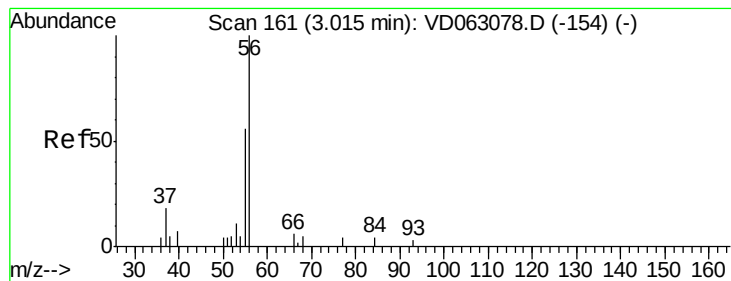


#12

1,1-Dichloroethene
 Concen: 13.516 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion: 96 Resp: 112803
 Ion Ratio Lower Upper
 96 100
 61 182.8 155.5 233.3
 98 63.5 51.5 77.3





#13

Acrolein

Concen: 2.579 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.13 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

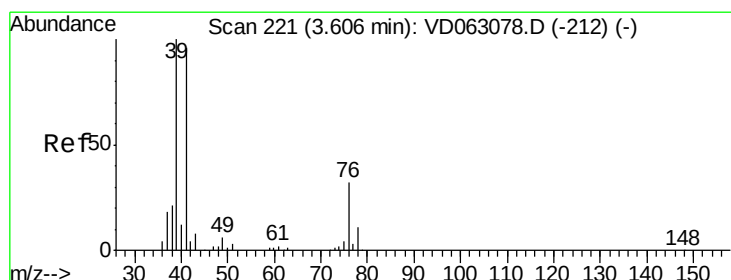
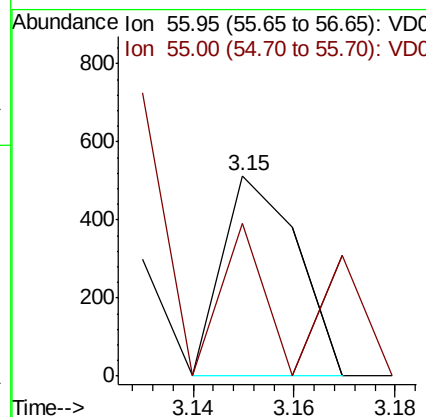
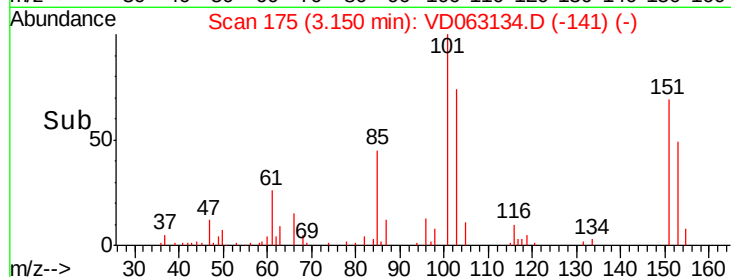
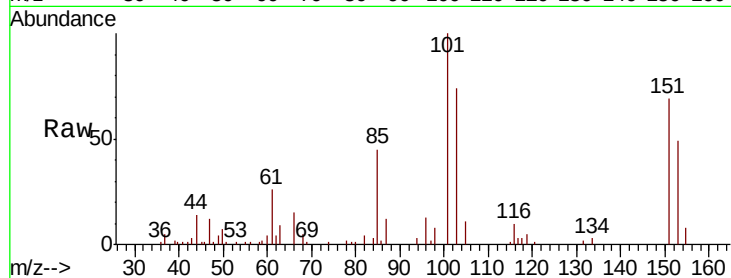
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 528

Ion Ratio Lower Upper

56 100

55 75.9 53.0 79.4



#14

Allyl chloride

Concen: 14.152 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

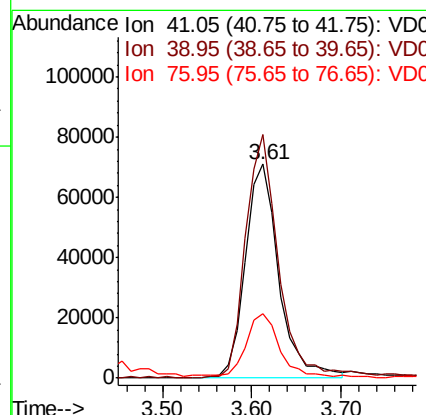
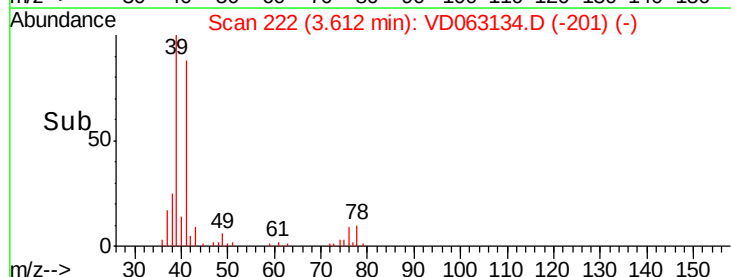
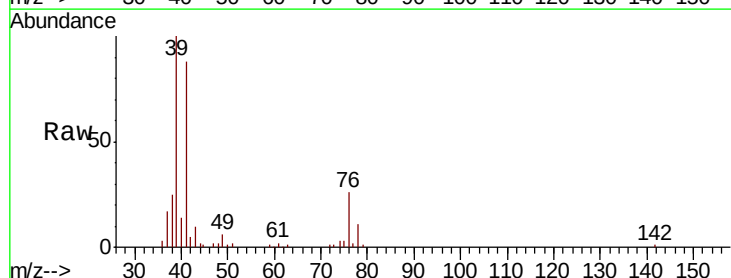
Tgt Ion: 41 Resp: 185622

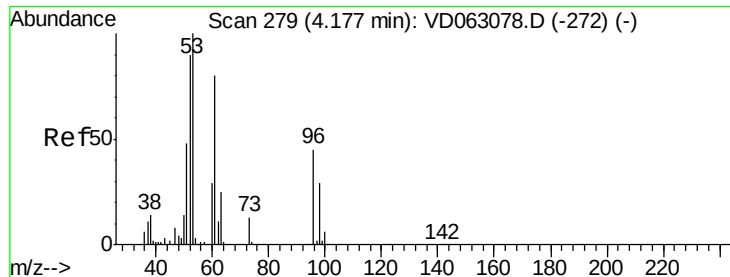
Ion Ratio Lower Upper

41 100

39 113.8 83.5 125.3

76 29.9 27.8 41.8





#15

Acrylonitrile

Concen: 65.194 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

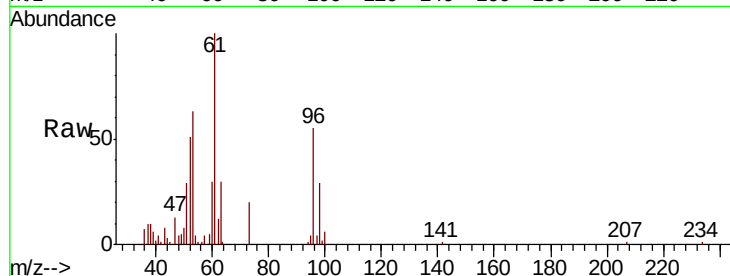
Tot Ion: 53 Resp: 97736

Ion Ratio Lower Upper

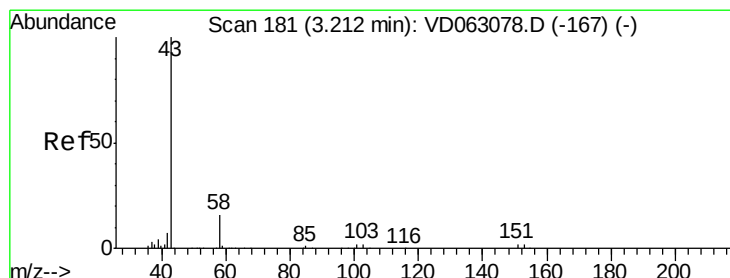
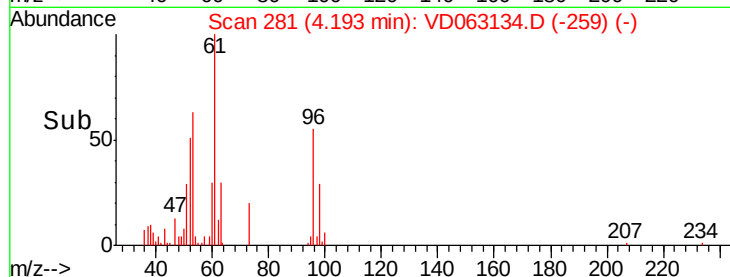
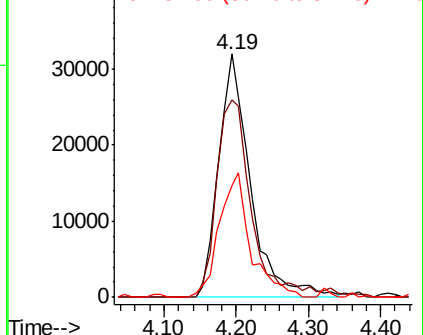
53 100

52 81.2 72.3 108.5

51 46.0 38.0 57.0



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: 54.655 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063134.D

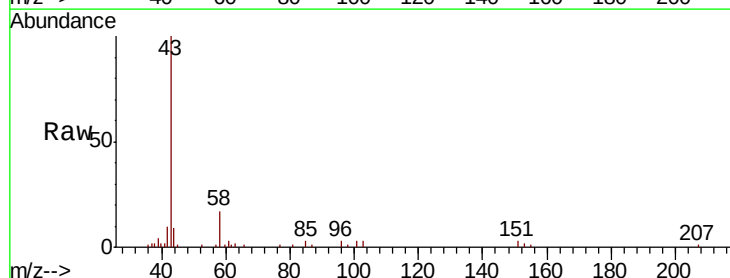
Acq: 17 Jul 2019 16:30

Tgt Ion: 43 Resp: 155129

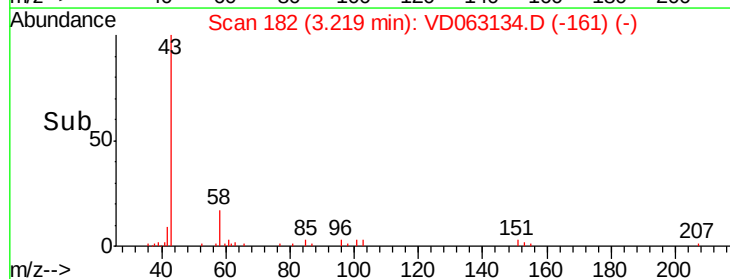
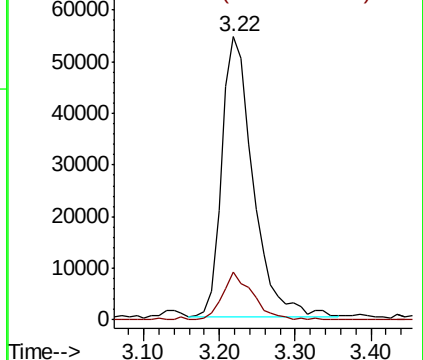
Ion Ratio Lower Upper

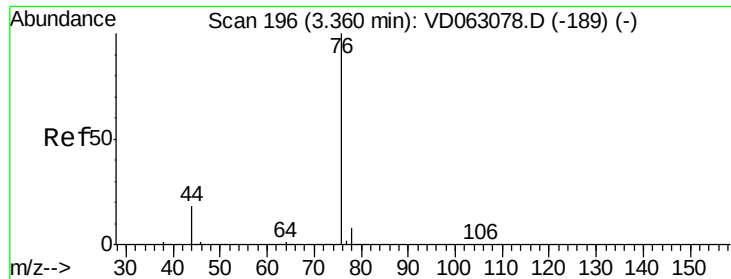
43 100

58 16.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

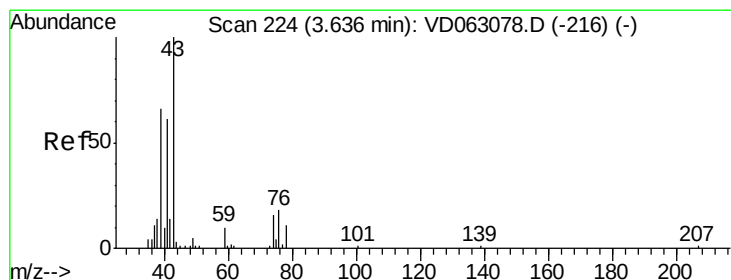
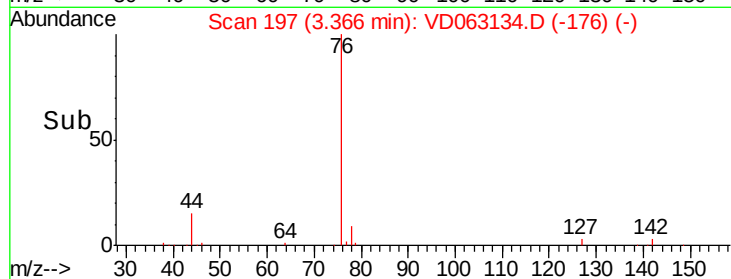
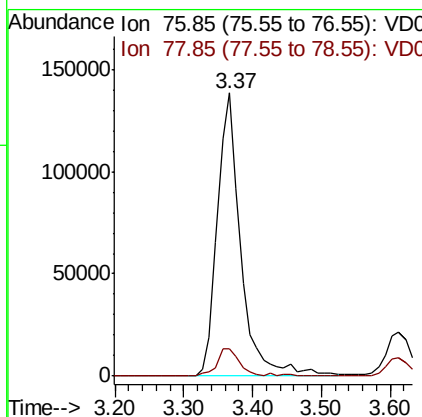
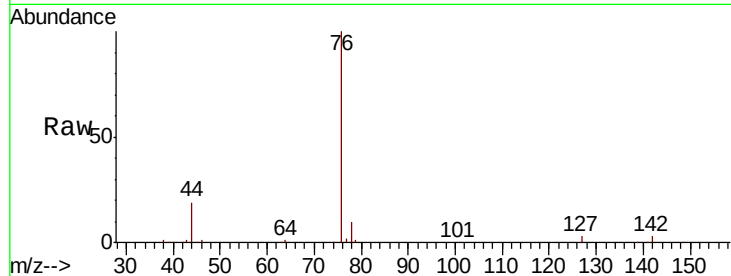




#17
Carbon Disulfide
Concen: 13.722 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

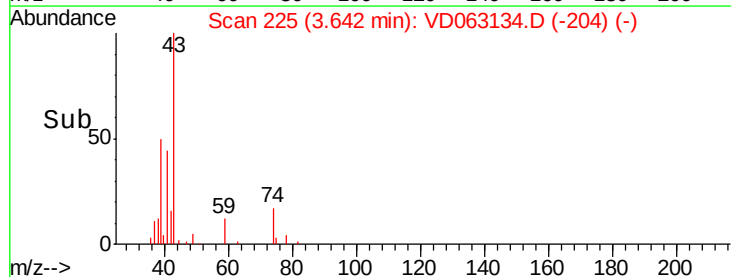
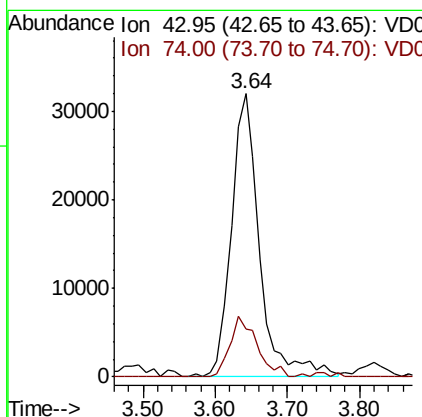
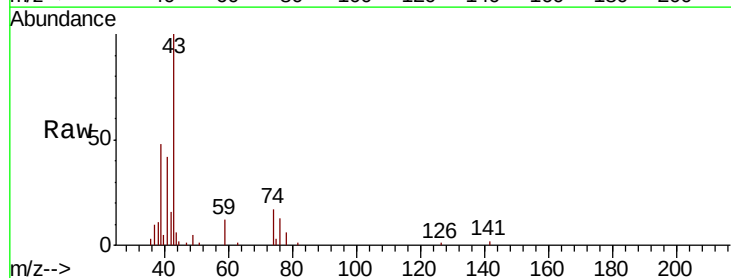
Instrument :
MSVOA_D
ClientSampled :

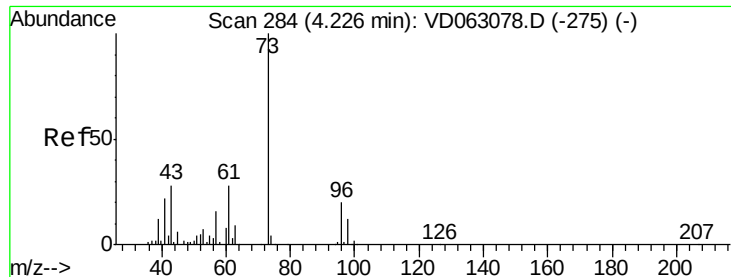
Tot Ion: 76 Resp: 327788
Ion Ratio Lower Upper
76 100
78 9.7 6.7 10.1



#18
Methyl Acetate
Concen: 18.545 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 43 Resp: 86909
Ion Ratio Lower Upper
43 100
74 16.8 12.5 18.7



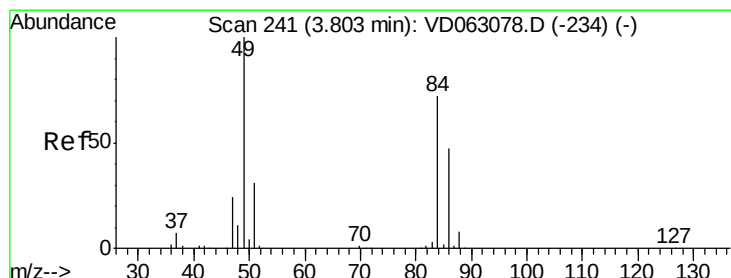
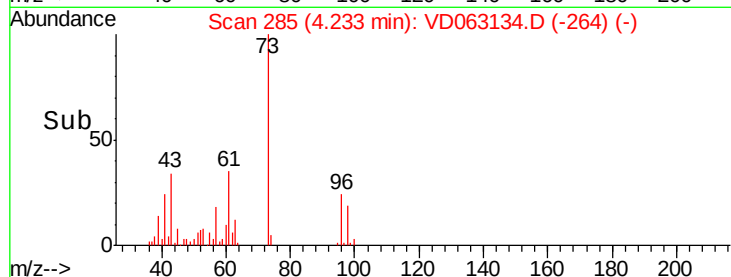
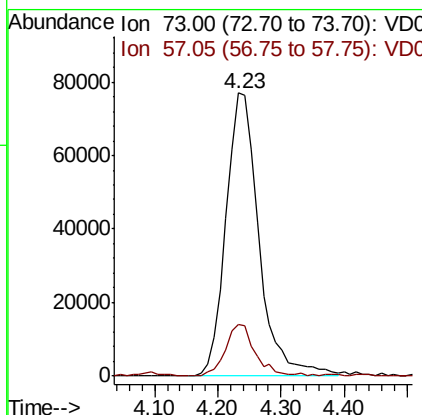
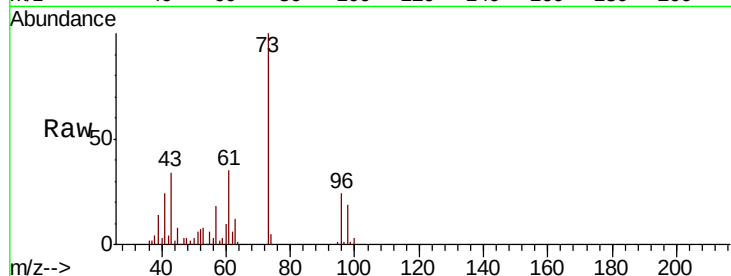


#19

Methyl tert-butyl Ether
 Concen: 13.246 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Instrument :
 MSVOA_D
 ClientSampleId :

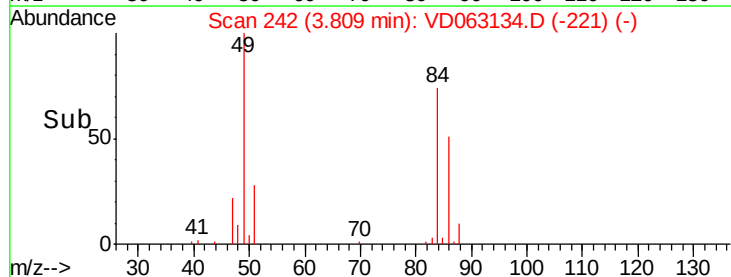
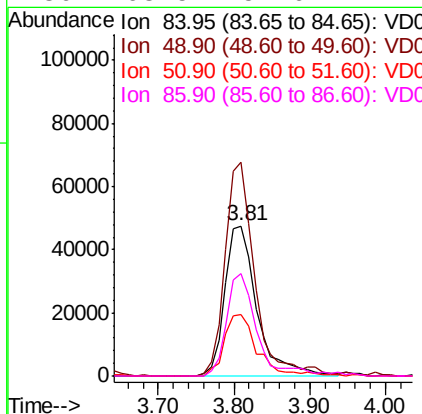
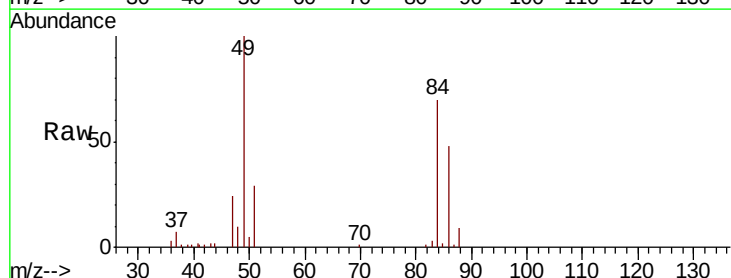
Tot Ion: 73 Resp: 279050
 Ion Ratio Lower Upper
 73 100
 57 18.2 13.1 19.7

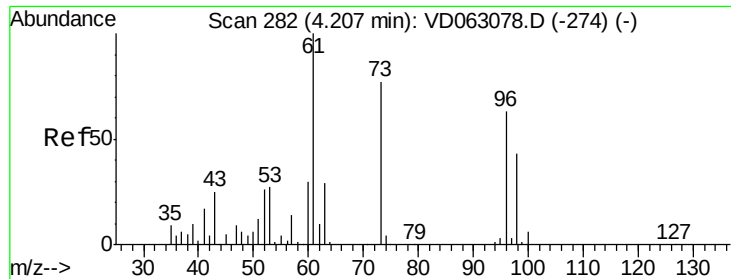


#20

Methylene Chloride
 Concen: 13.019 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion: 84 Resp: 139602
 Ion Ratio Lower Upper
 84 100
 49 142.3 110.5 165.7
 51 40.9 34.6 51.8
 86 68.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 13.612 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampled :

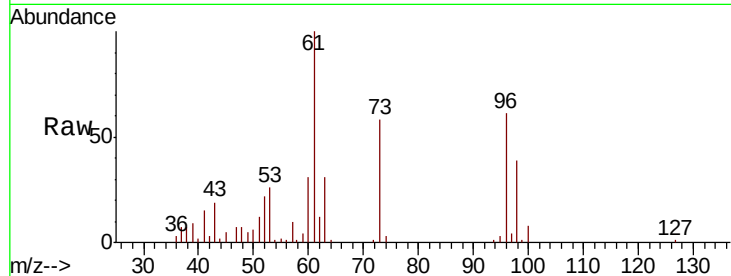
Tot Ion: 96 Resp: 126115

Ion Ratio Lower Upper

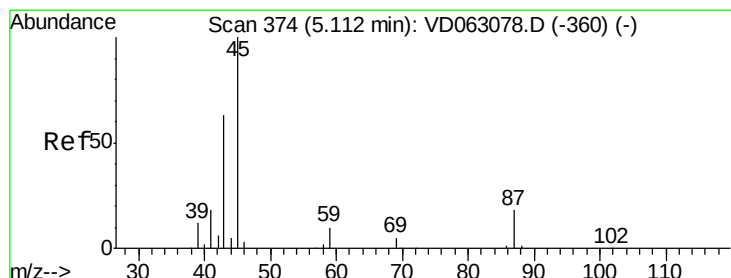
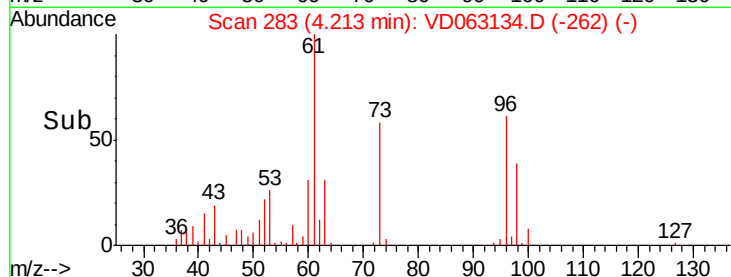
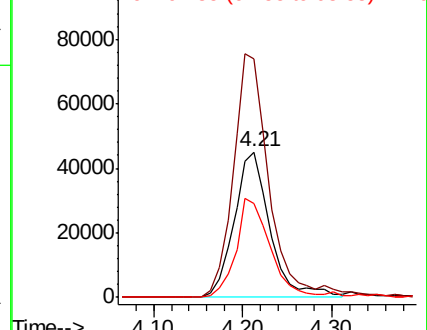
96 100

61 164.6 128.0 192.0

98 64.4 55.2 82.8



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



#22

Diisopropyl ether

Concen: 13.957 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Tgt Ion: 45 Resp: 398016

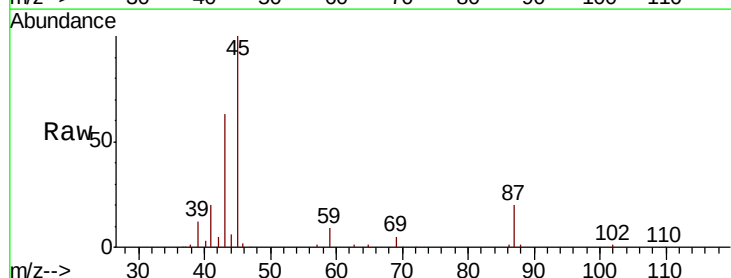
Ion Ratio Lower Upper

45 100

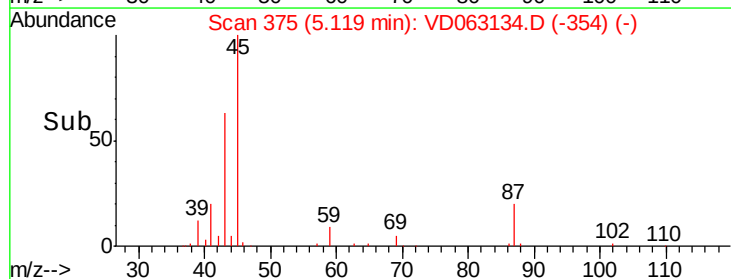
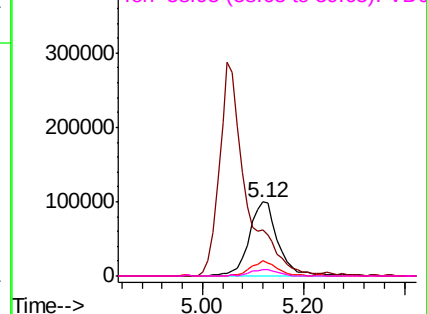
43 62.9 50.5 75.7

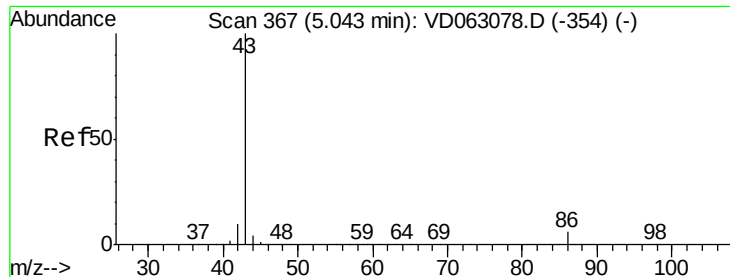
87 20.2 15.1 22.7

59 9.3 7.6 11.4



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: 64.352 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

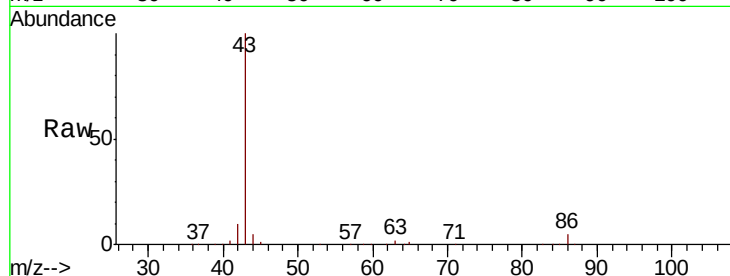
ClientSampleId :

Tot Ion: 43 Resp: 1070681

Ion Ratio Lower Upper

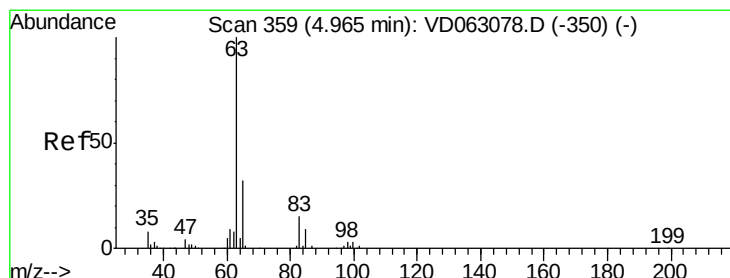
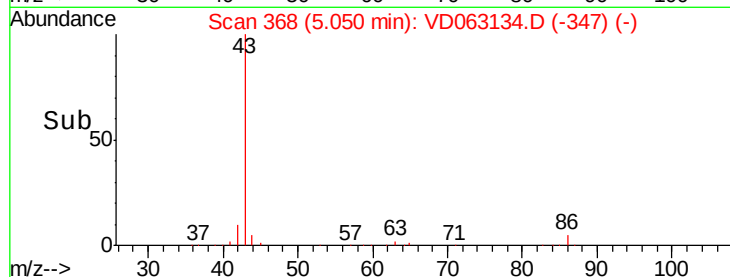
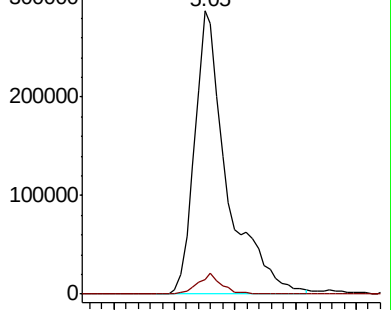
43 100

86 4.9 5.0 7.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 13.707 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

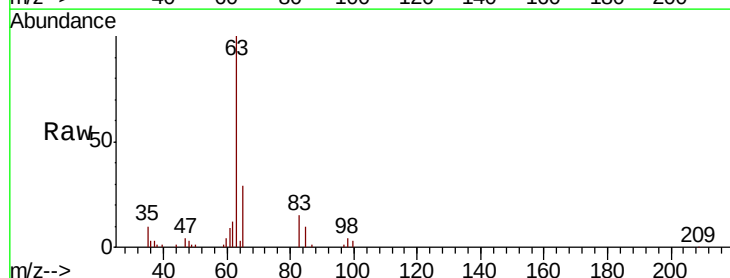
Tgt Ion: 63 Resp: 240784

Ion Ratio Lower Upper

63 100

98 3.9 1.7 5.1

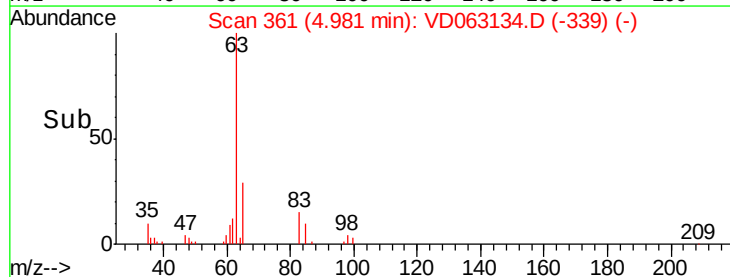
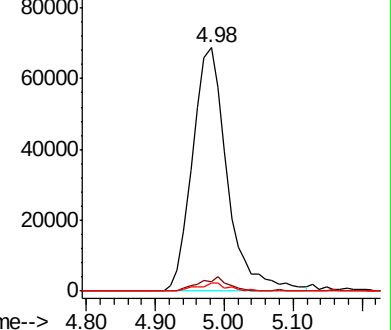
100 3.1 1.5 4.5

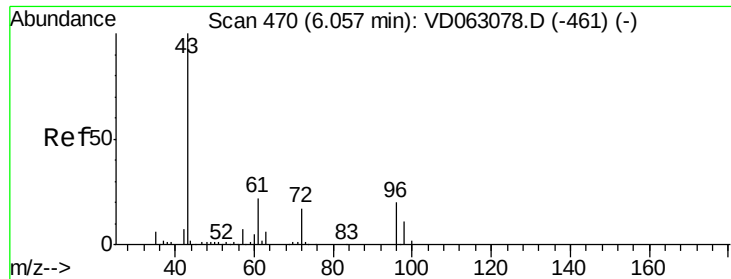


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

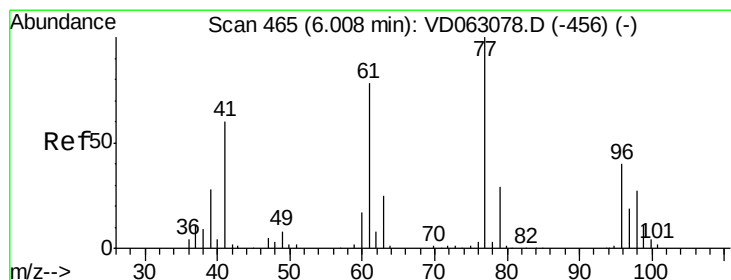
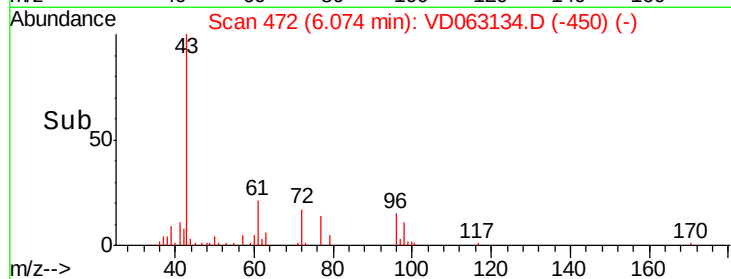
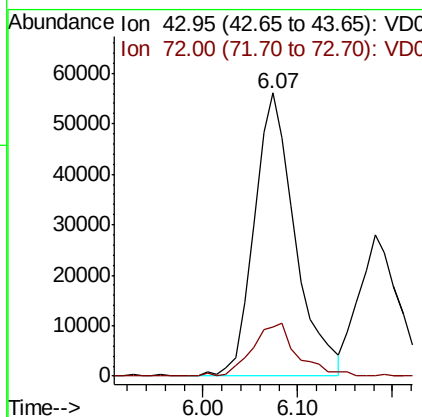
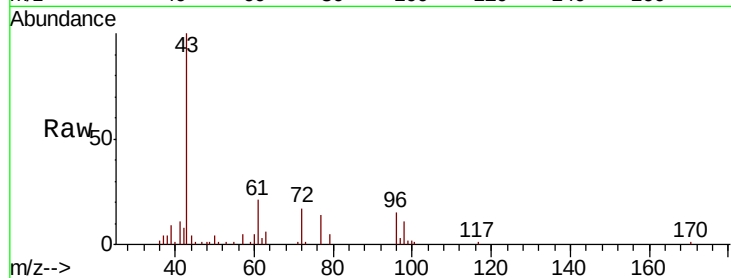




#25
2-Butanone
Concen: 62.116 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

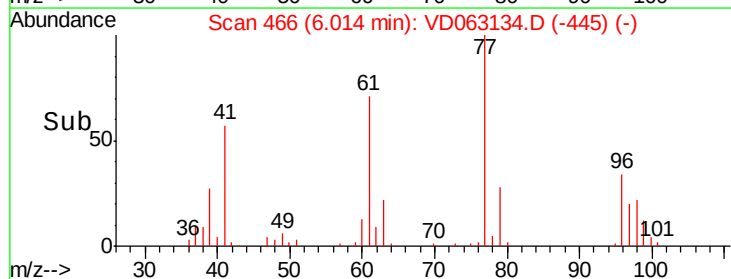
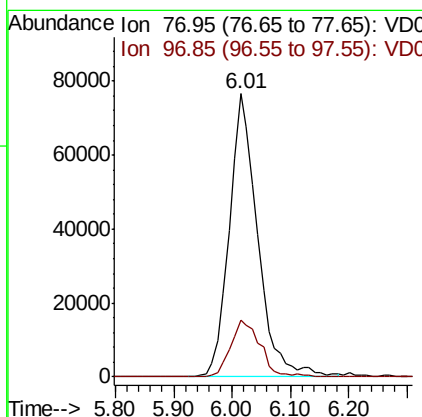
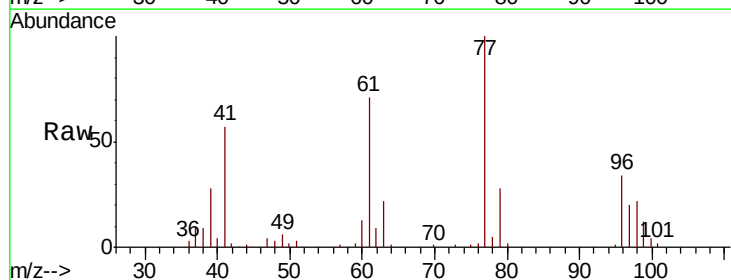
Instrument :
MSVOA_D
ClientSampleId :

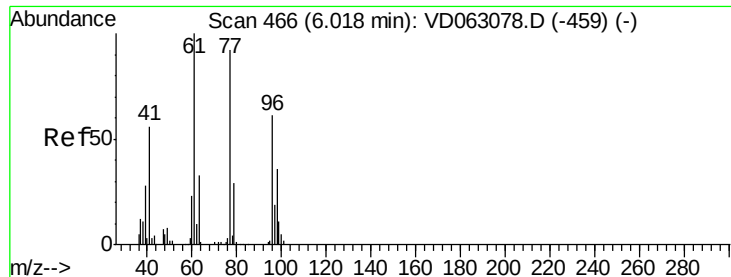
Tot Ion: 43 Resp: 168359
Ion Ratio Lower Upper
43 100
72 17.2 13.4 20.0



#26
2,2-Dichloropropane
Concen: 13.309 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 77 Resp: 258747
Ion Ratio Lower Upper
77 100
97 19.9 9.3 27.9



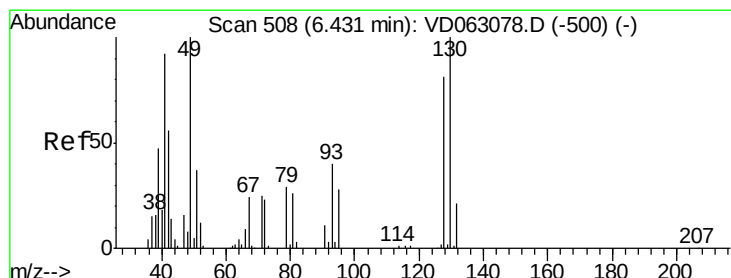
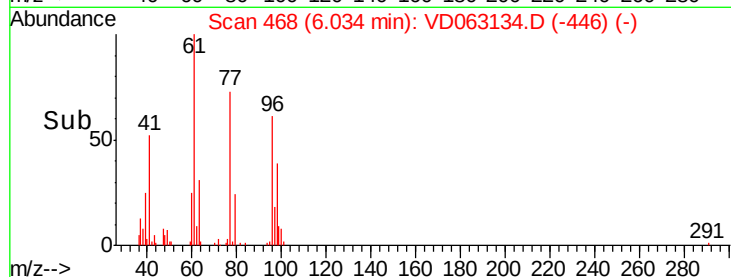
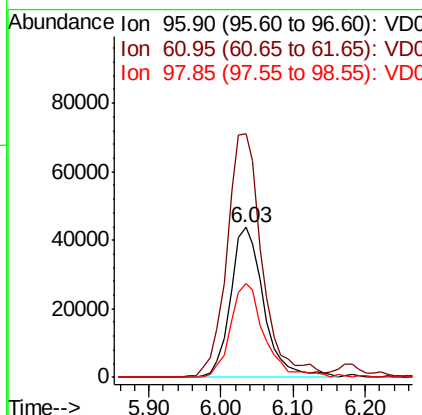
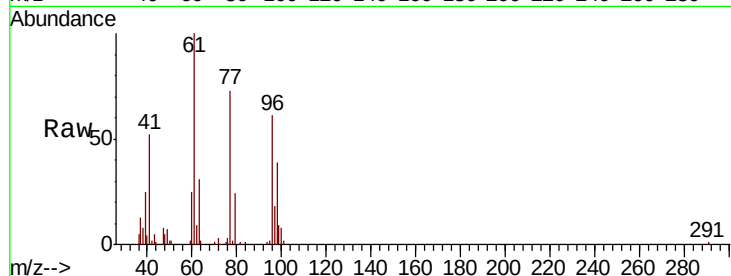


#27

cis-1,2-Dichloroethene
 Concen: 13.340 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Instrument :
 MSVOA_D
 ClientSampleId :

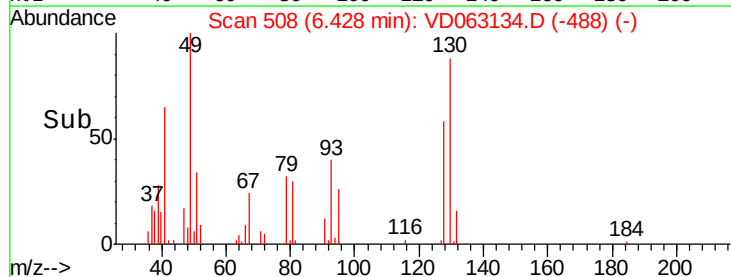
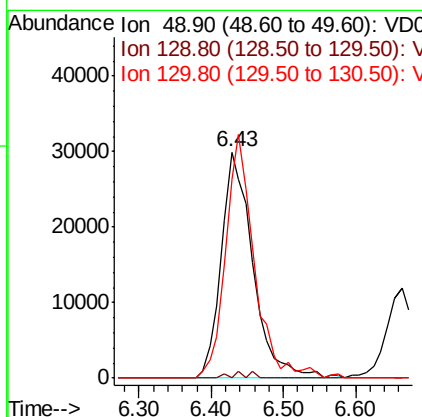
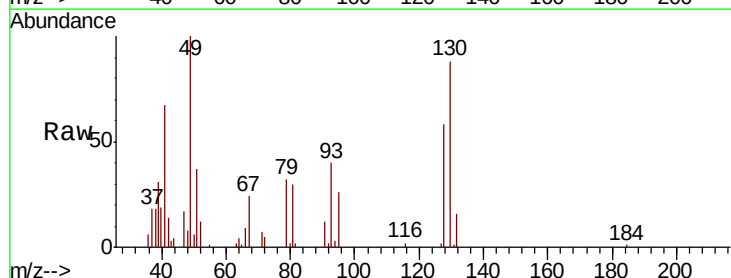
Tot Ion: 96 Resp: 140588
 Ion Ratio Lower Upper
 96 100
 61 162.6 0.0 329.6
 98 62.8 0.0 118.4

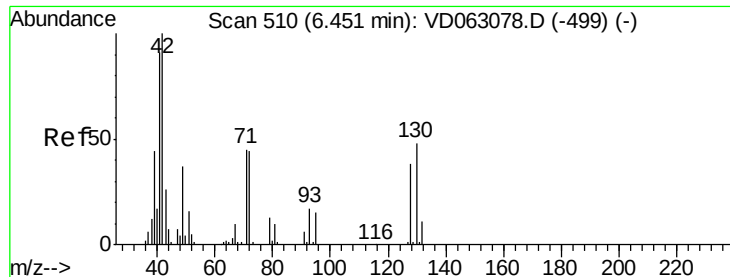


#28

Bromochloromethane
 Concen: 14.301 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion: 49 Resp: 91142
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 88.3 80.3 120.5





#29

Tetrahydrofuran

Concen: 65.637 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

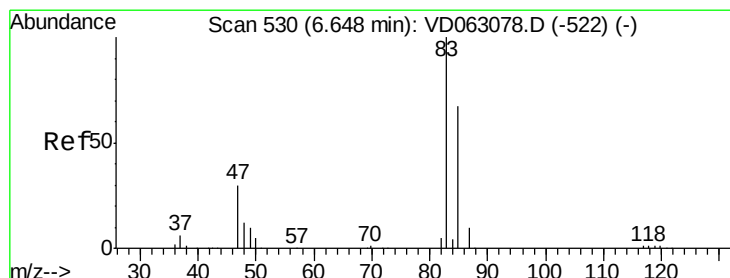
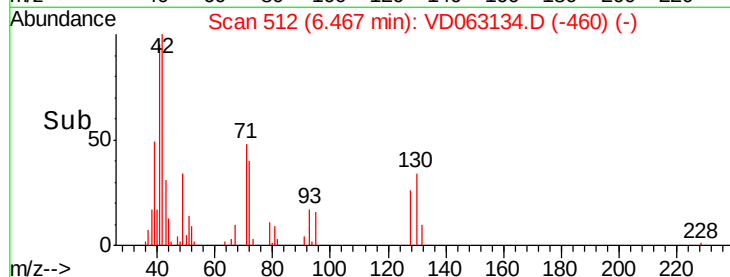
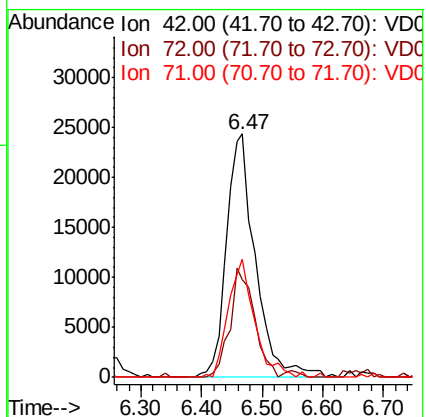
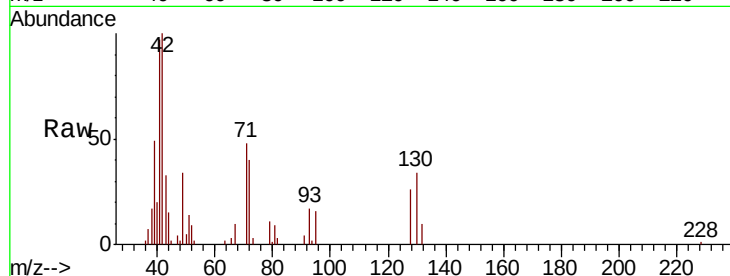
Tot Ion: 42 Resp: 80644

Ion Ratio Lower Upper

42 100

72 37.9 33.7 50.5

71 43.8 34.2 51.2



#30

Chloroform

Concen: 14.177 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.02 min

Lab File: VD063134.D

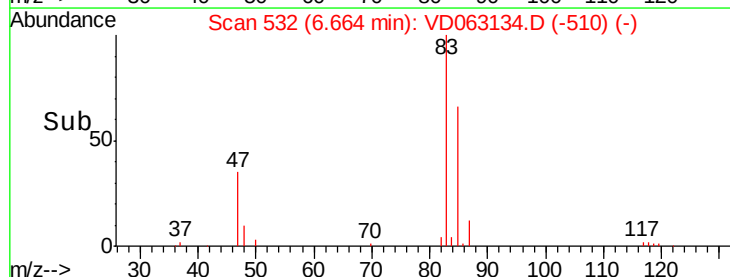
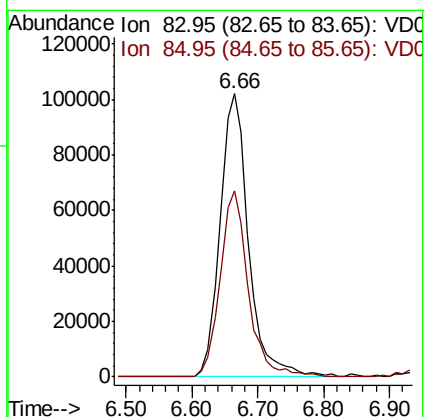
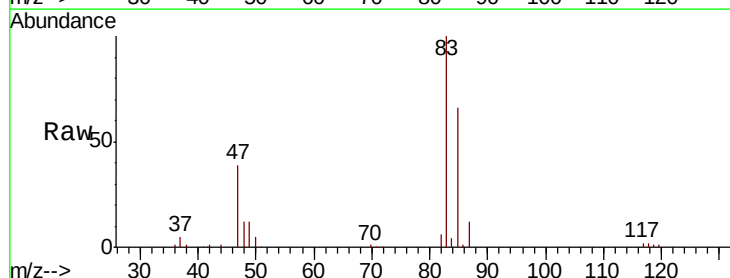
Acq: 17 Jul 2019 16:30

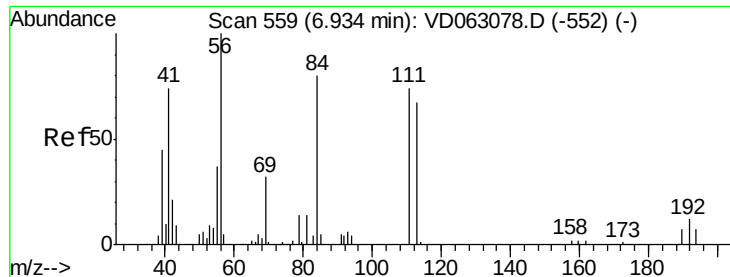
Tgt Ion: 83 Resp: 306713

Ion Ratio Lower Upper

83 100

85 65.7 53.8 80.8

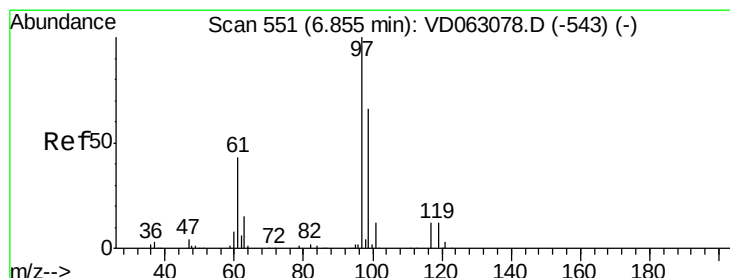
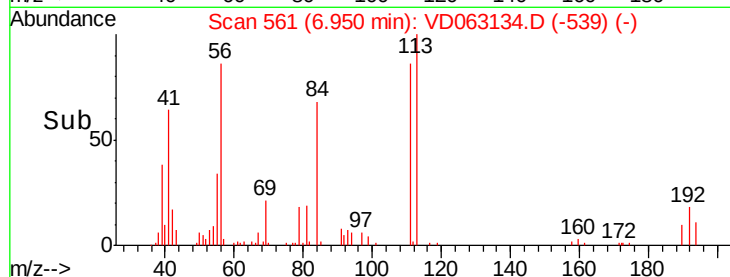
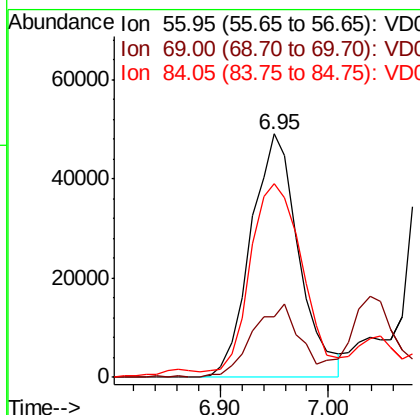
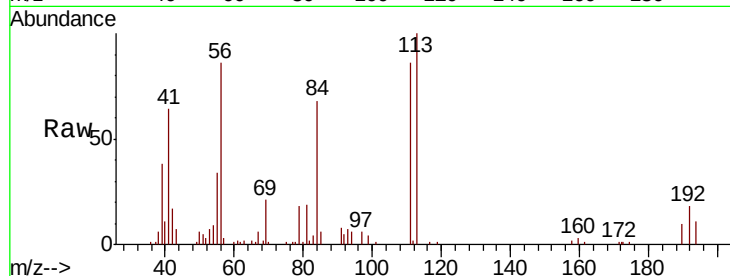




#31
Cyclohexane
Concen: 13.500 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

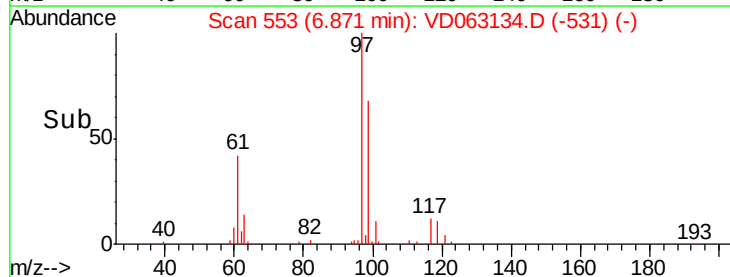
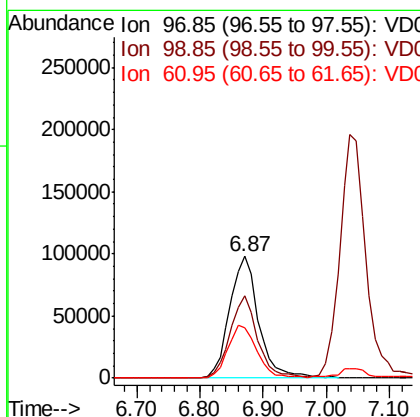
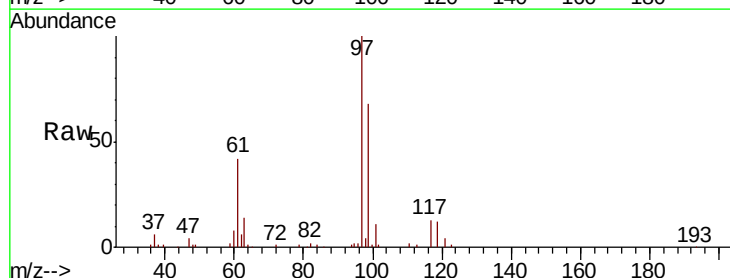
Instrument :
MSVOA_D
ClientSampleId :

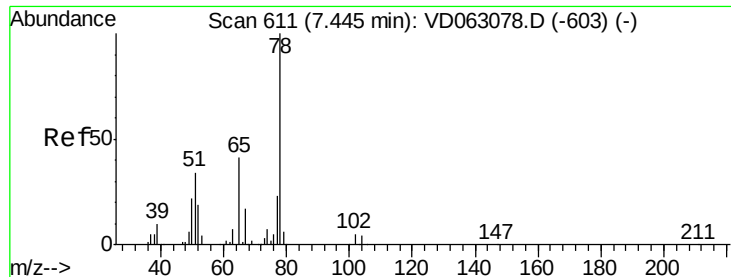
Tot Ion: 56 Resp: 151026
Ion Ratio Lower Upper
56 100
69 24.9 25.3 37.9#
84 79.5 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 14.581 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 97 Resp: 311066
Ion Ratio Lower Upper
97 100
99 67.7 52.9 79.3
61 41.9 34.4 51.6

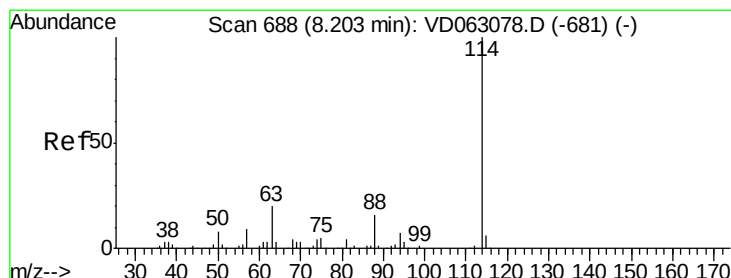
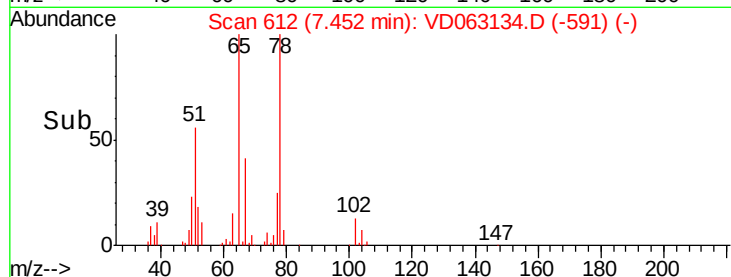
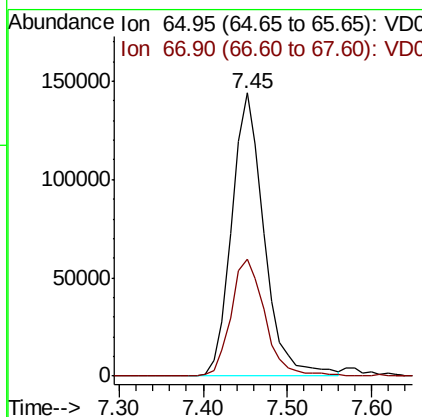
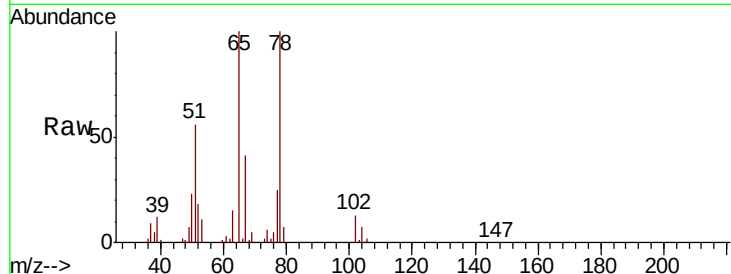




#33
 1,2-Dichloroethane-d4
 Concen: 32.885 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

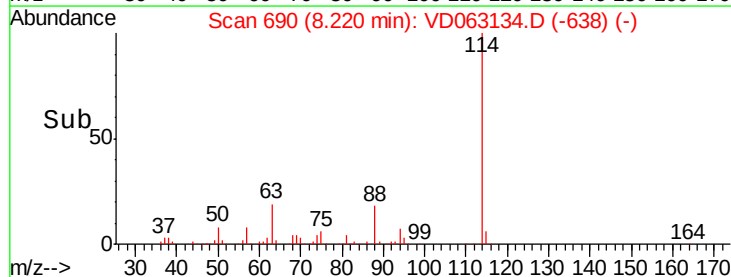
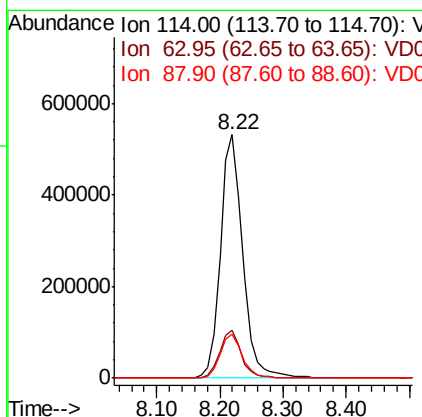
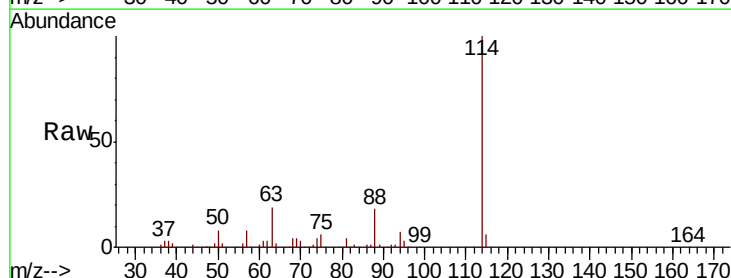
Instrument :
 MSVOA_D
 ClientSampleId :

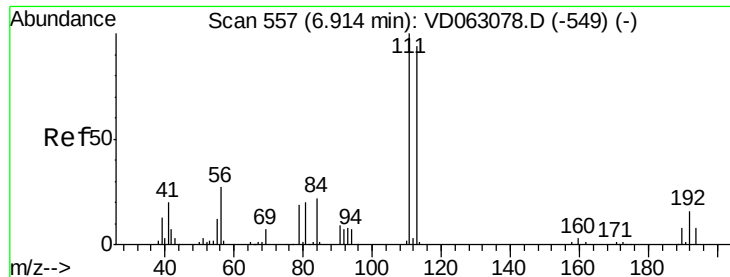
Tot Ion: 65 Resp: 386447
 Ion Ratio Lower Upper
 65 100
 67 41.4 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion: 114 Resp: 1305029
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.6
 88 17.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 35.759 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

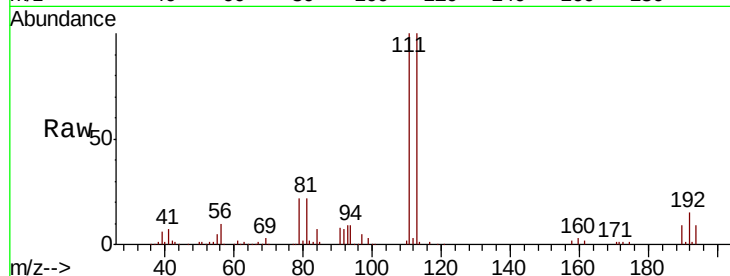
Tot Ion:113 Resp: 464816

Ion Ratio Lower Upper

113 100

111 100.4 84.8 127.2

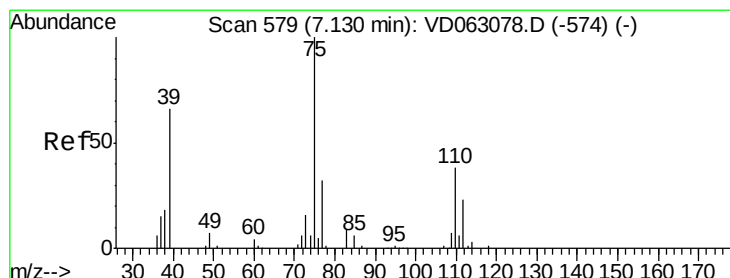
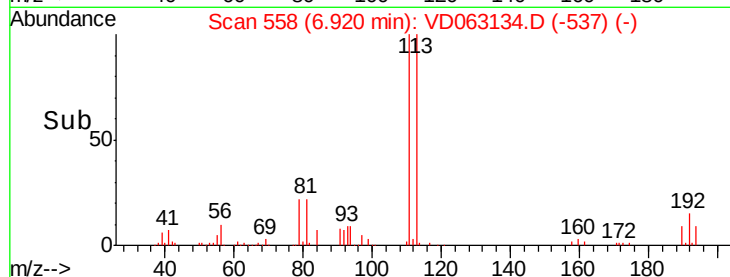
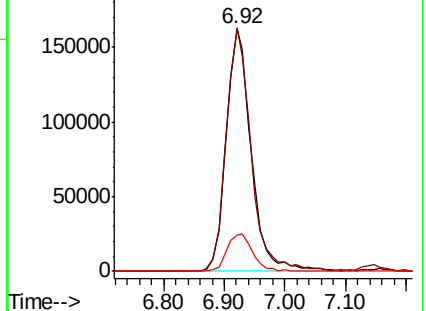
192 15.2 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 12.862 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

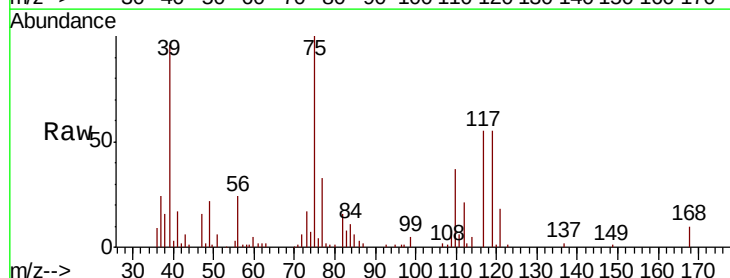
Tgt Ion: 75 Resp: 188785

Ion Ratio Lower Upper

75 100

110 36.5 18.9 56.5

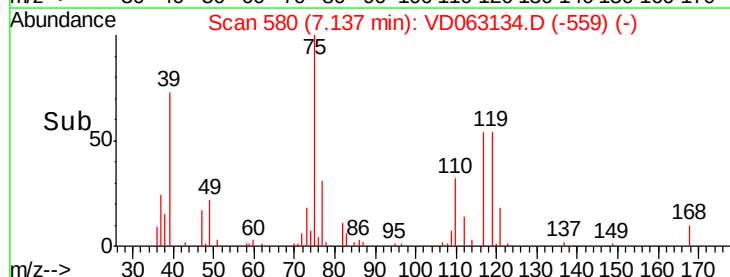
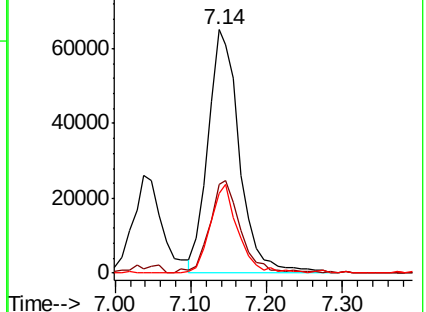
77 32.9 25.2 37.8

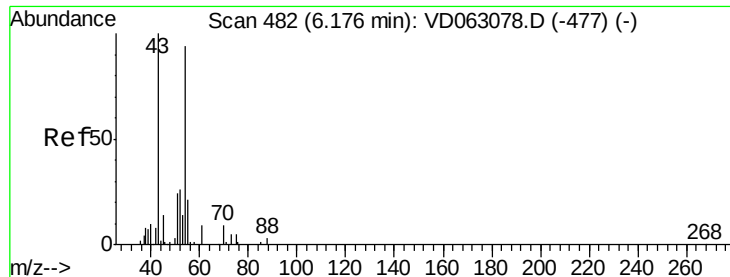


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

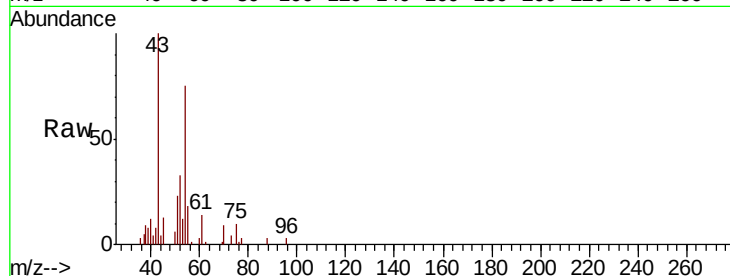




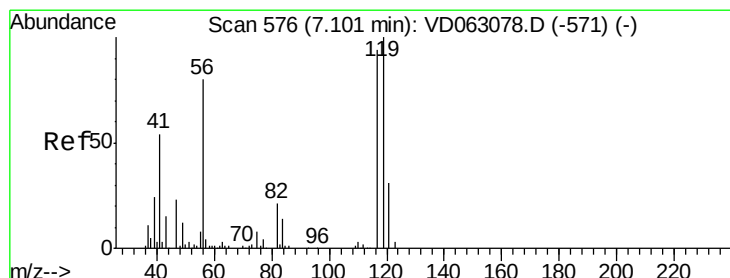
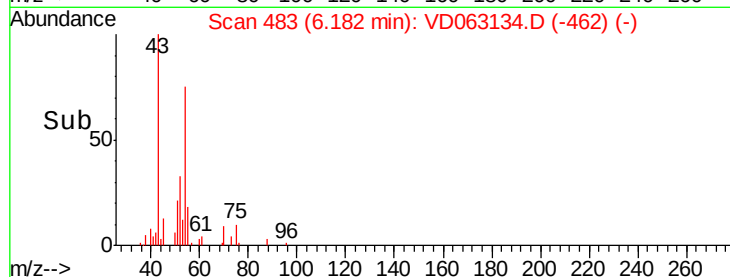
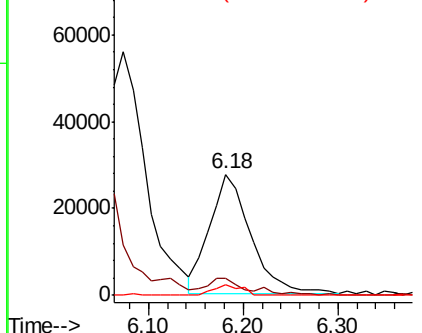
#37
Ethyl Acetate
Concen: 13.242 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	16.0
70	8.6	6.6	9.8

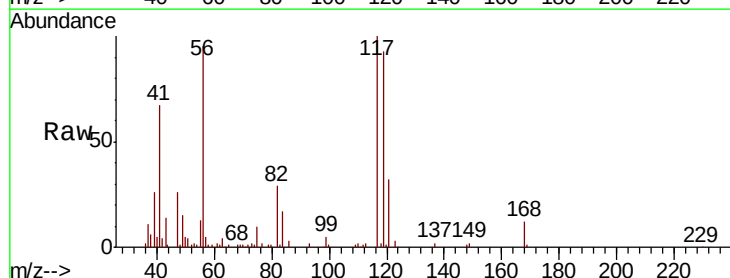


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

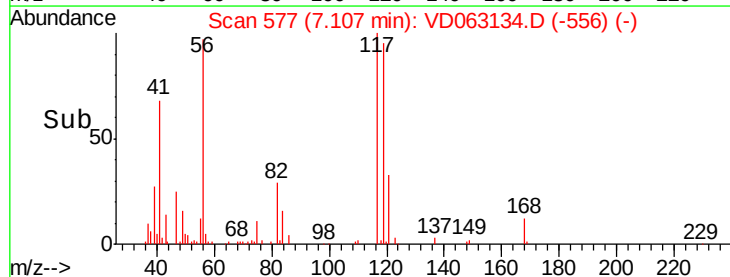
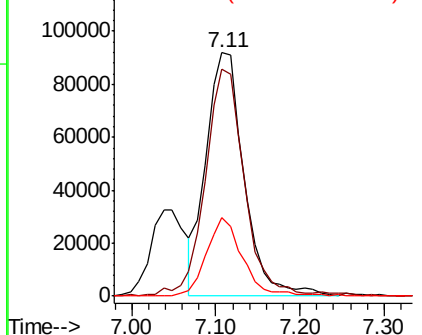


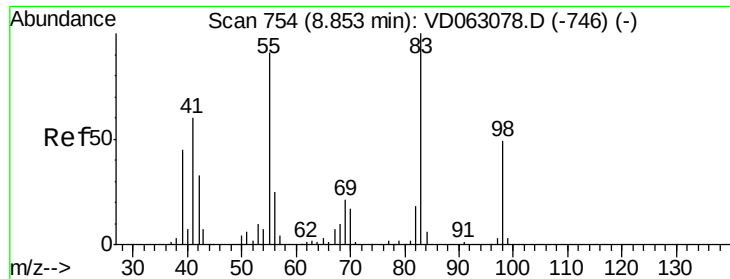
#38
Carbon Tetrachloride
Concen: 12.873 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	80.0	120.0
121	32.4	25.0	37.4



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

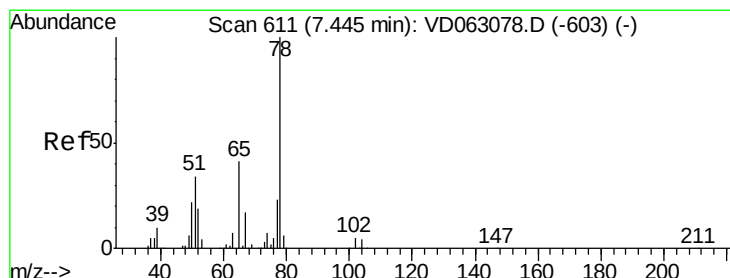
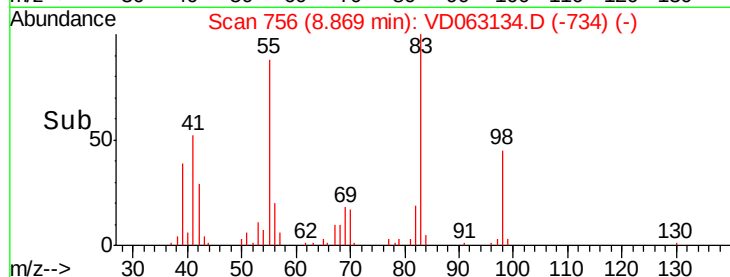
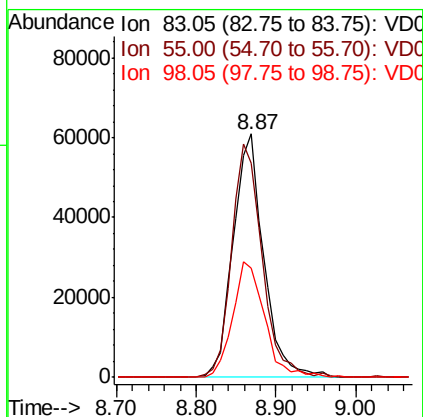
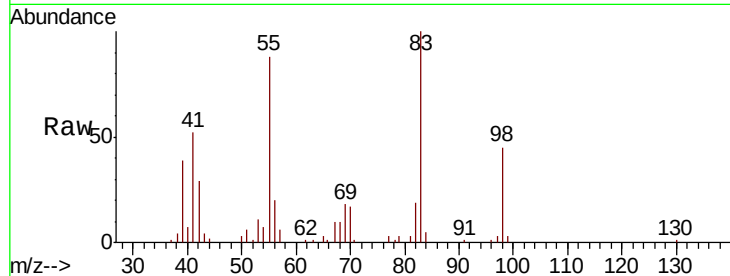




#39
Methylvlcyclohexane
Concen: 12.809 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

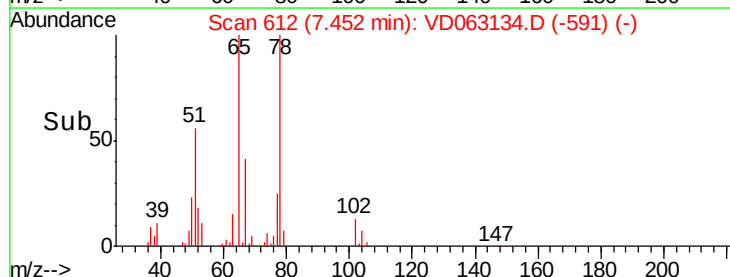
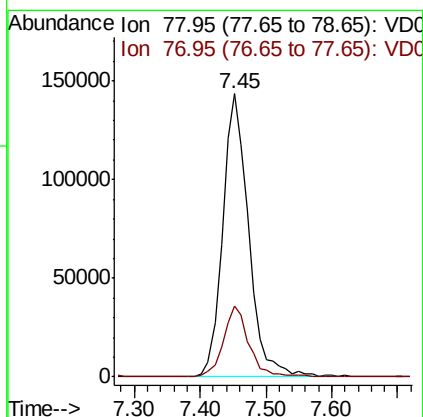
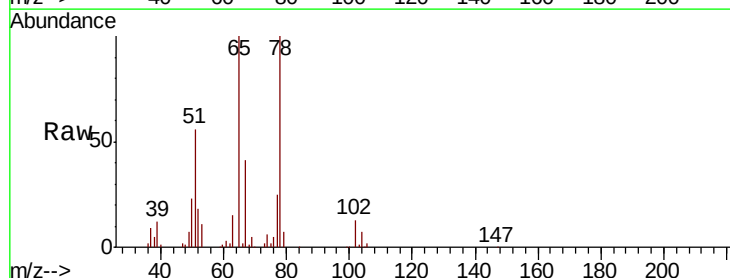
Instrument :
MSVOA_D
ClientSampleId :

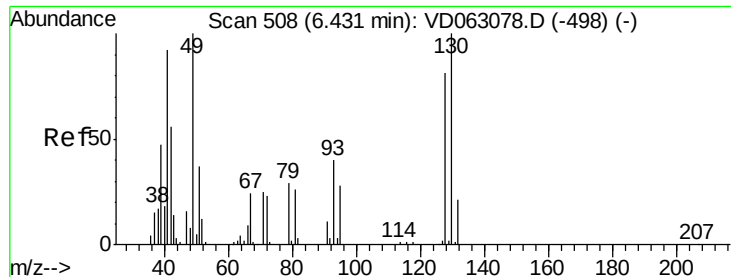
Tot Ion: 83 Resp: 162530
Ion Ratio Lower Upper
83 100
55 88.0 73.0 109.4
98 44.6 39.4 59.0



#40
Benzene
Concen: 12.853 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 78 Resp: 395100
Ion Ratio Lower Upper
78 100
77 25.1 18.1 27.1





#41

Methacrylonitrile

Concen: 12.489 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 106358

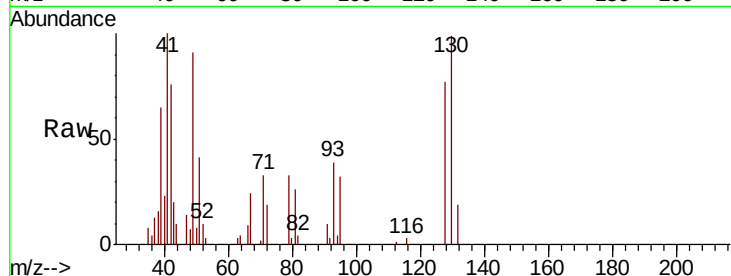
Ion Ratio Lower Upper

41 100

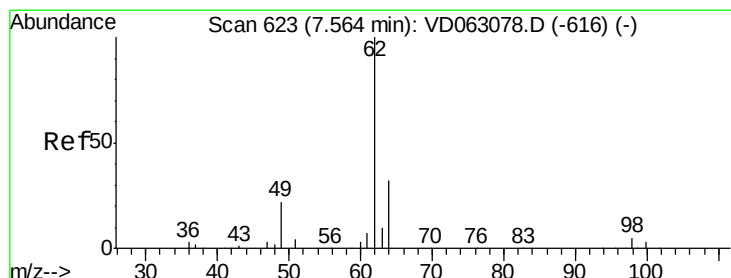
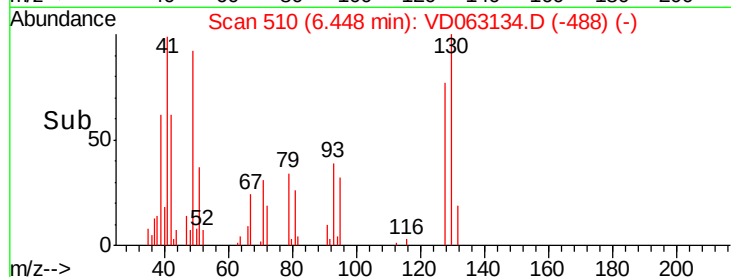
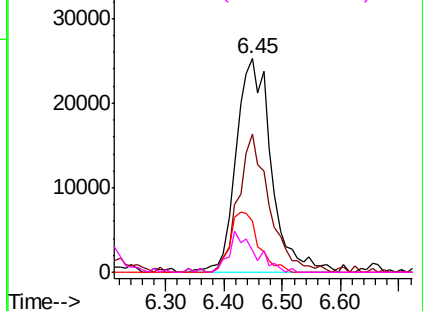
39 64.9 41.0 61.6#

67 23.8 21.3 31.9

52 9.9 10.5 15.7#



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: 14.035 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD063134.D

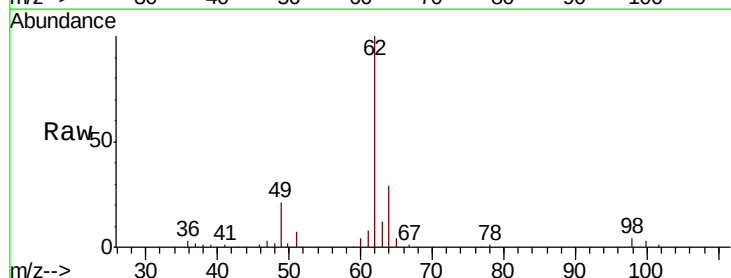
Acq: 17 Jul 2019 16:30

Tgt Ion: 62 Resp: 229854

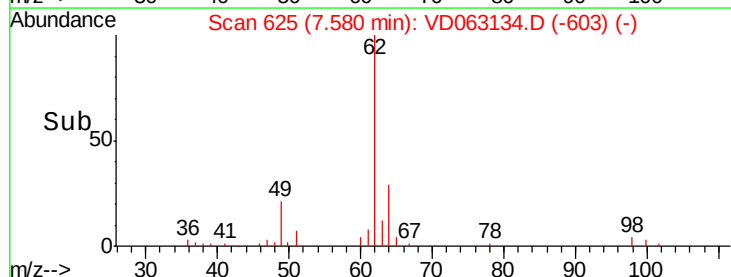
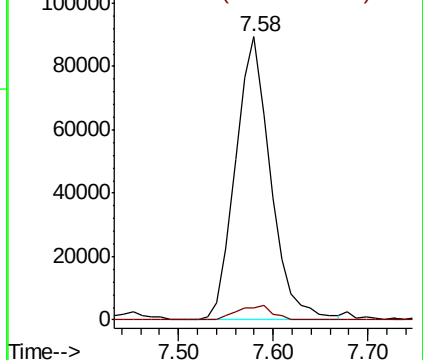
Ion Ratio Lower Upper

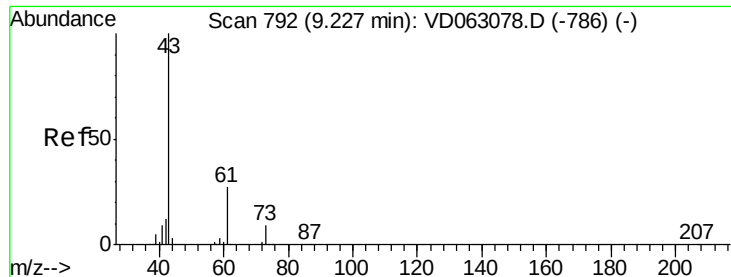
62 100

98 4.2 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 12.481 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

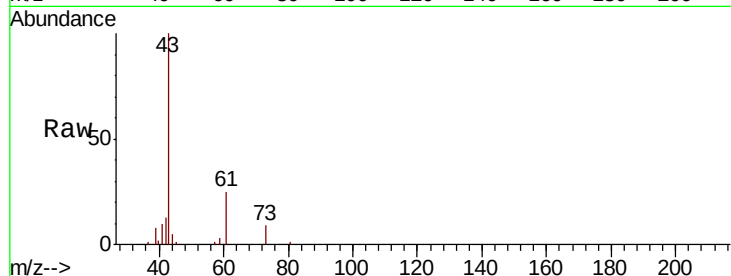
Tot Ion: 43 Resp: 112378

Ion Ratio Lower Upper

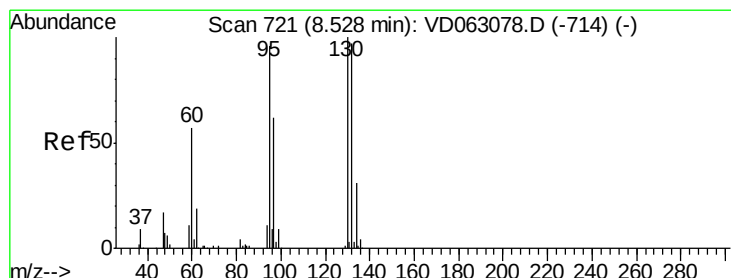
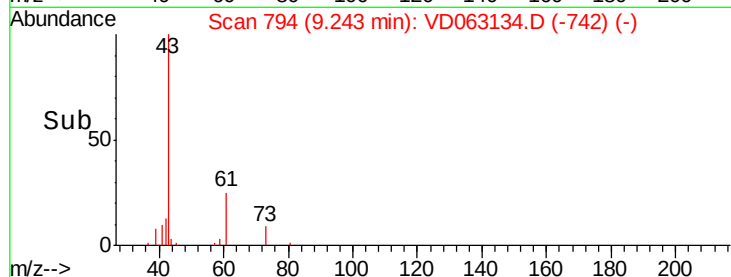
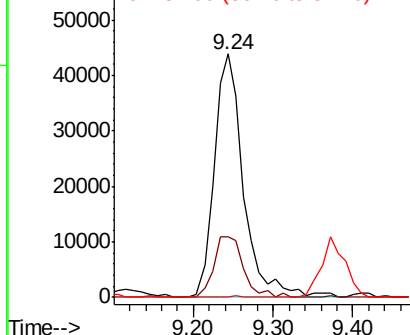
43 100

61 24.9 21.7 32.5

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: 13.349 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD063134.D

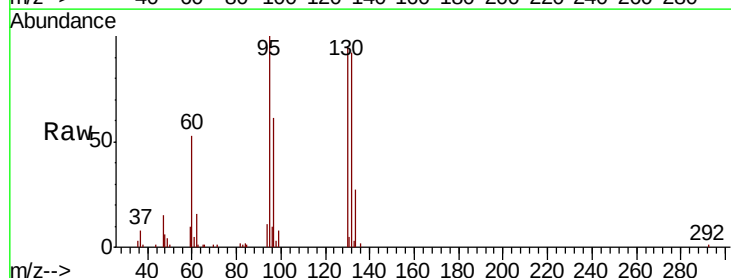
Acq: 17 Jul 2019 16:30

Tgt Ion:130 Resp: 158590

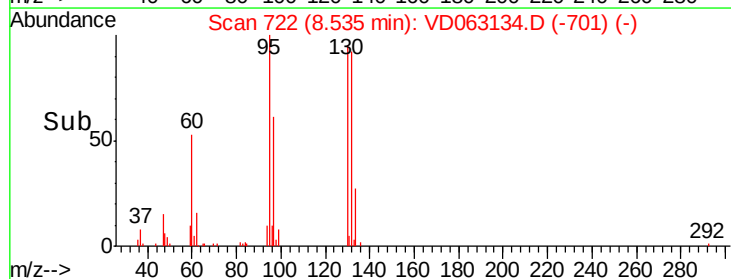
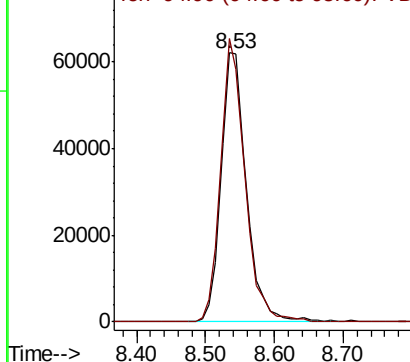
Ion Ratio Lower Upper

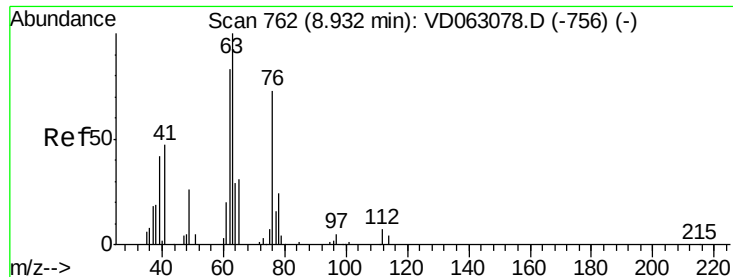
130 100

95 105.4 0.0 191.4



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

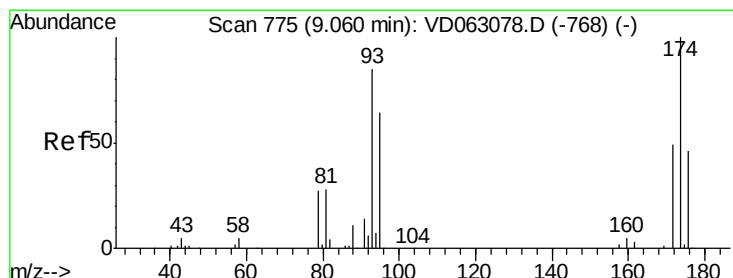
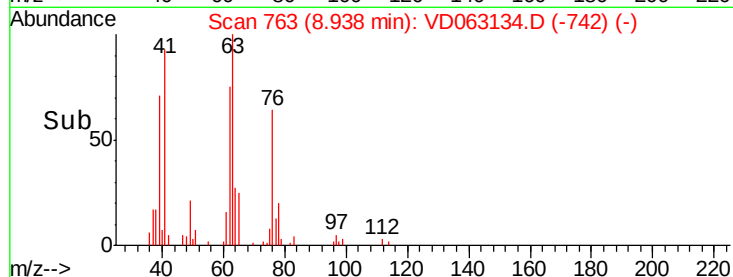
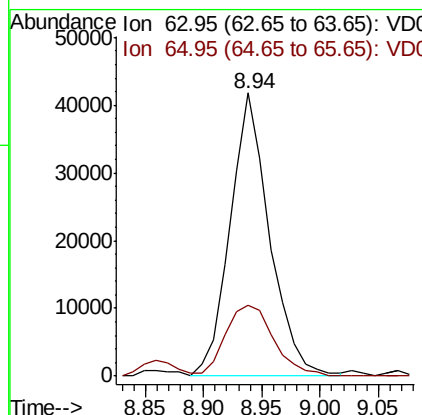
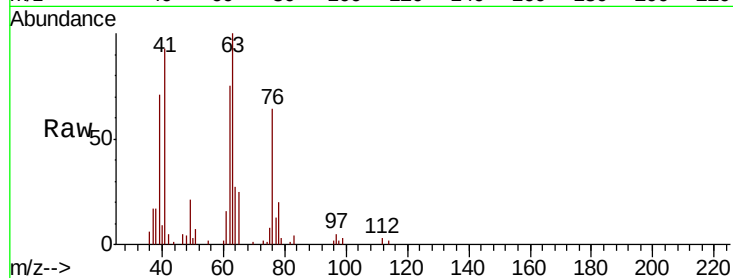




#45
 1,2-Dichloropropane
 Concen: 12.791 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

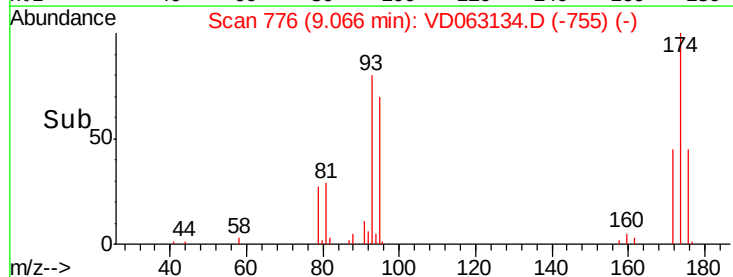
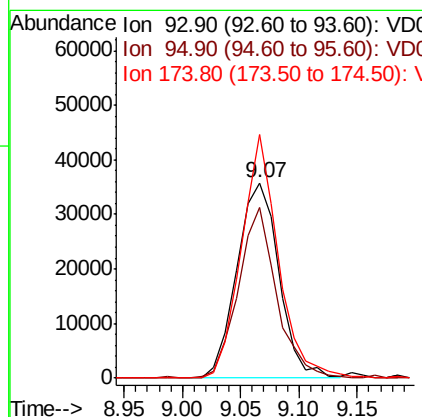
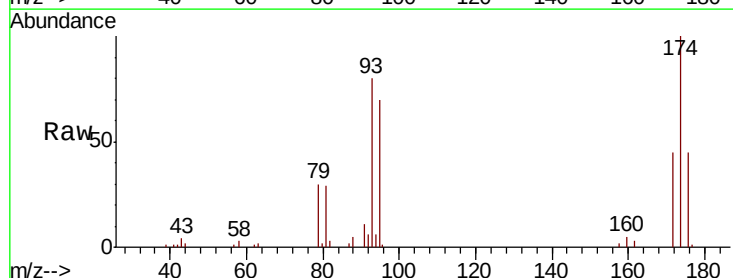
Instrument :
 MSVOA_D
 ClientSampleId :

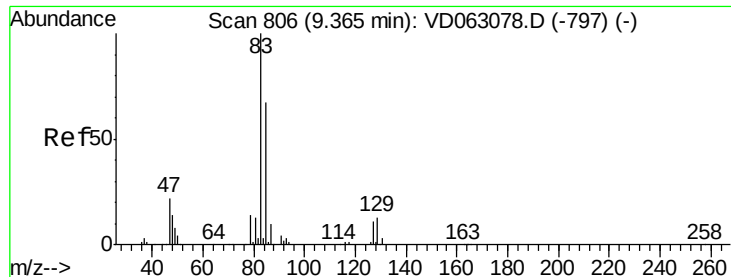
Tot Ion: 63 Resp: 98030
 Ion Ratio Lower Upper
 63 100
 65 25.2 26.3 39.5#



#46
 Dibromomethane
 Concen: 13.584 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion: 93 Resp: 89468
 Ion Ratio Lower Upper
 93 100
 95 87.2 59.7 89.5
 174 124.6 93.9 140.9





#47

Bromodichloromethane

Concen: 13.632 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

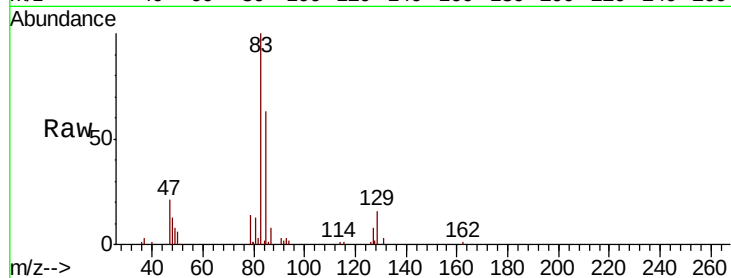
Tot Ion: 83 Resp: 234291

Ion Ratio Lower Upper

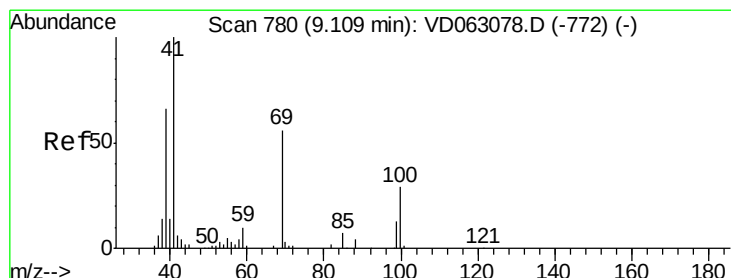
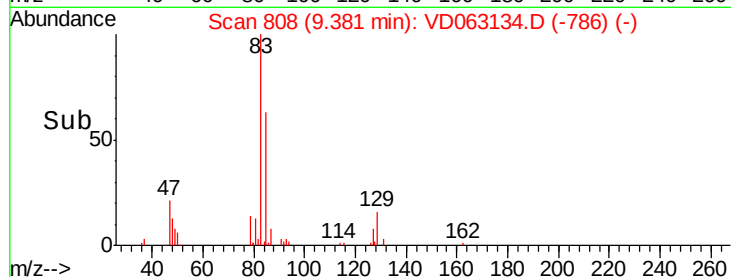
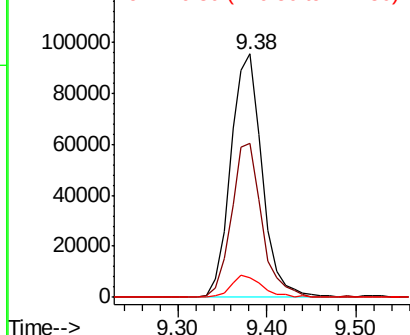
83 100

85 63.1 53.7 80.5

127 8.3 9.0 13.6#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 12.145 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

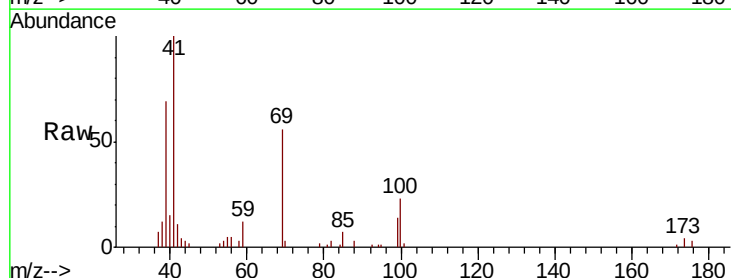
Tgt Ion: 41 Resp: 71809

Ion Ratio Lower Upper

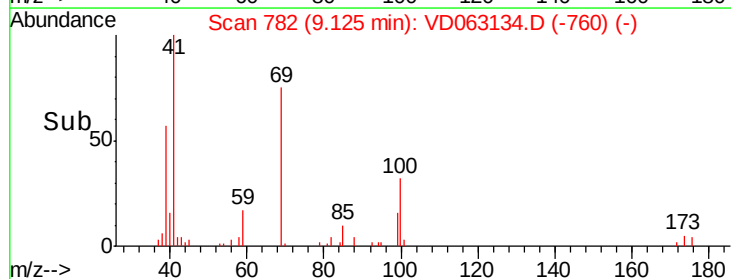
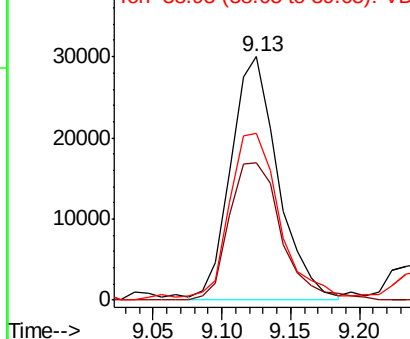
41 100

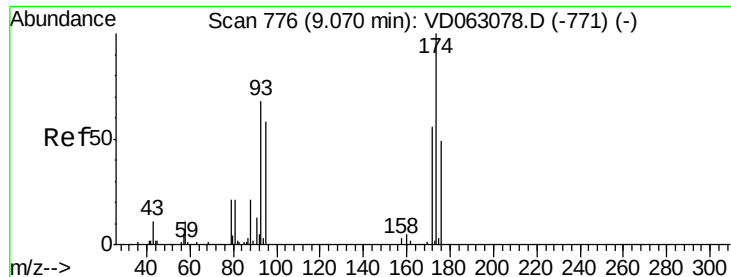
69 56.4 44.3 66.5

39 68.6 52.6 78.8



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: 247.567 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampled :

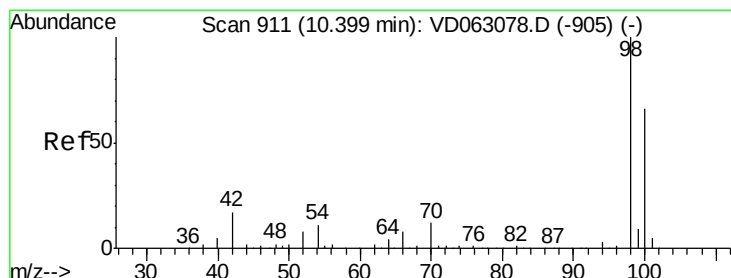
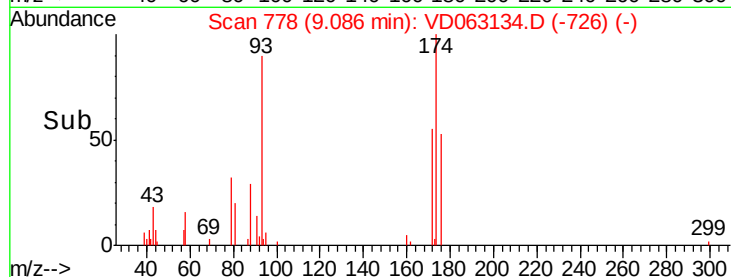
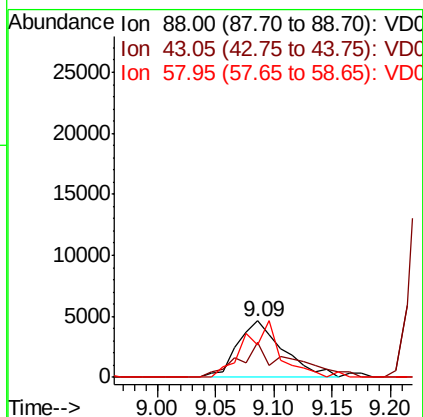
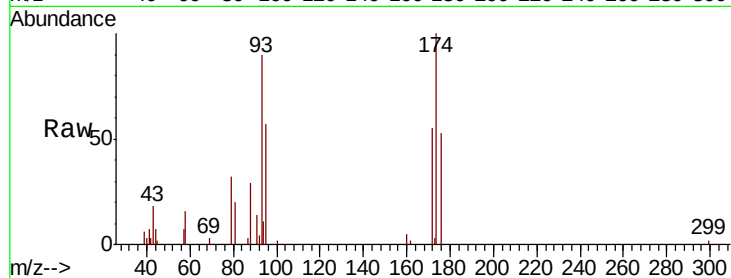
Tot Ion: 88 Resp: 12624

Ion Ratio Lower Upper

88 100

43 61.8 40.2 60.4#

58 56.4 41.6 62.4



#50

Toluene-d8

Concen: 33.049 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063134.D

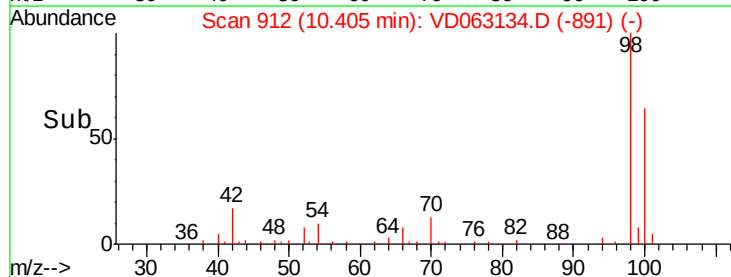
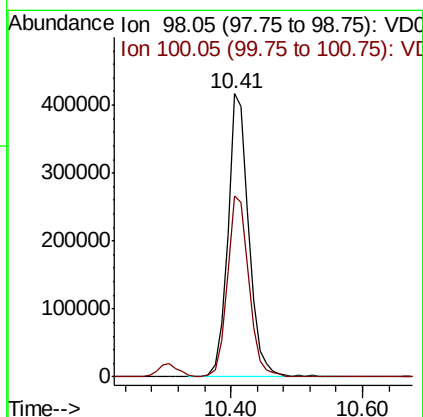
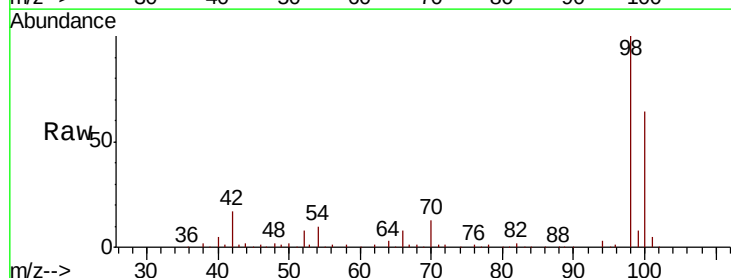
Acq: 17 Jul 2019 16:30

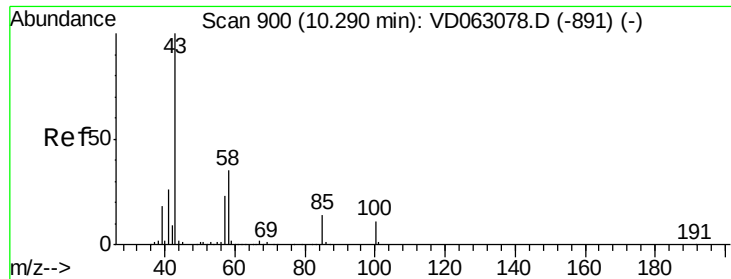
Tgt Ion: 98 Resp: 922740

Ion Ratio Lower Upper

98 100

100 63.9 53.5 80.3

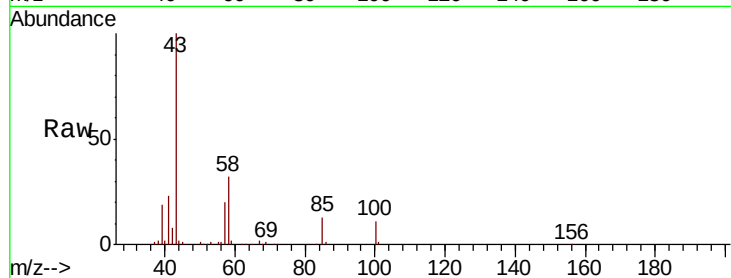




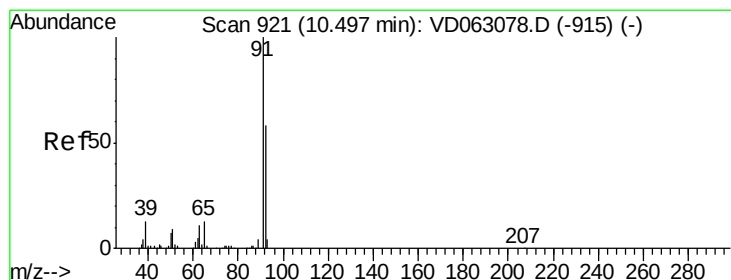
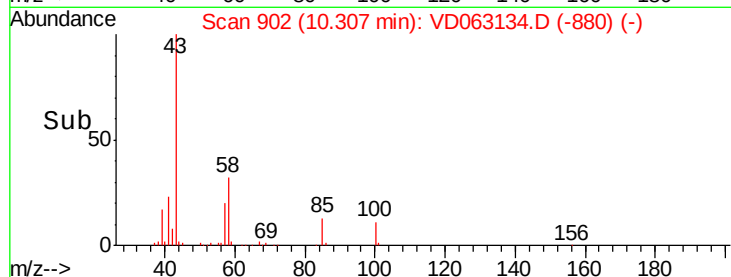
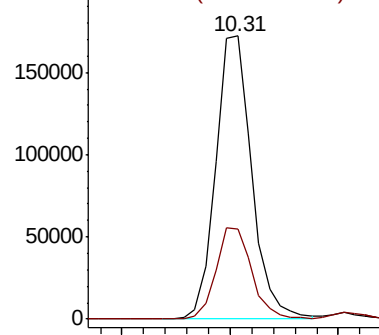
#51
4-Methyl-2-Pentanone
Concen: 66.596 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 397693
Ion Ratio Lower Upper
43 100
58 31.8 27.8 41.6

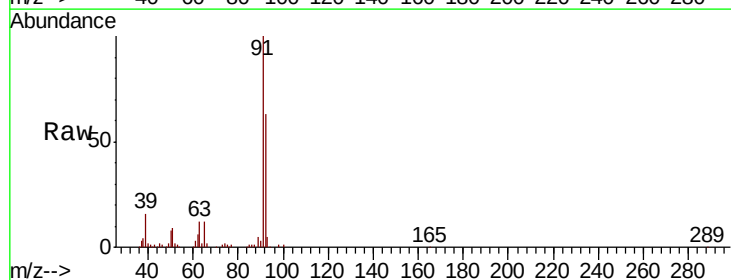


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

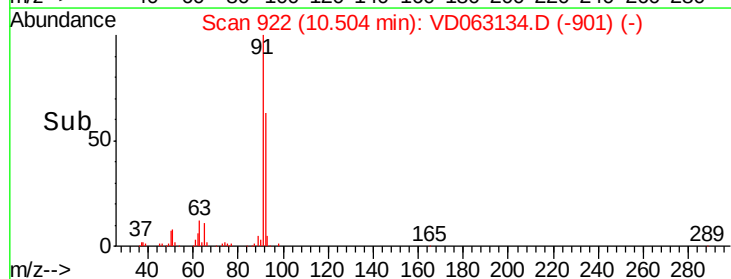
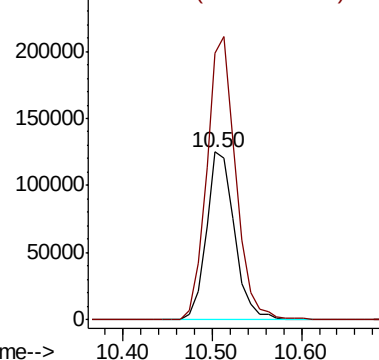


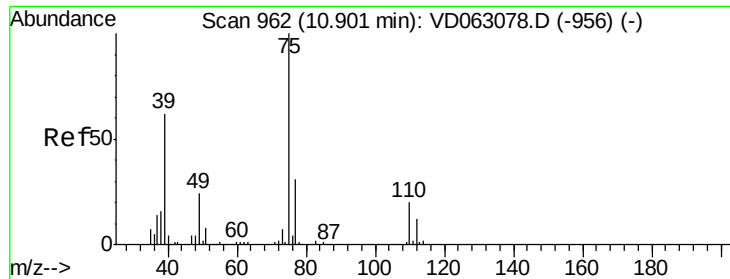
#52
Toluene
Concen: 13.434 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 92 Resp: 275762
Ion Ratio Lower Upper
92 100
91 159.3 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 13.231 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

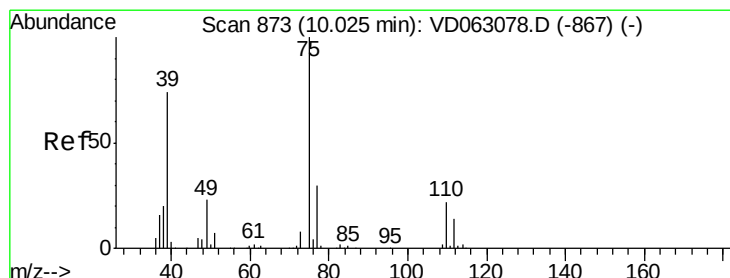
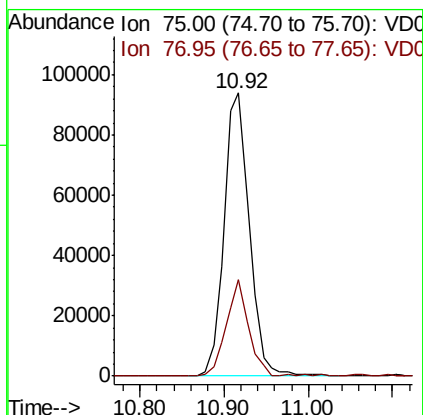
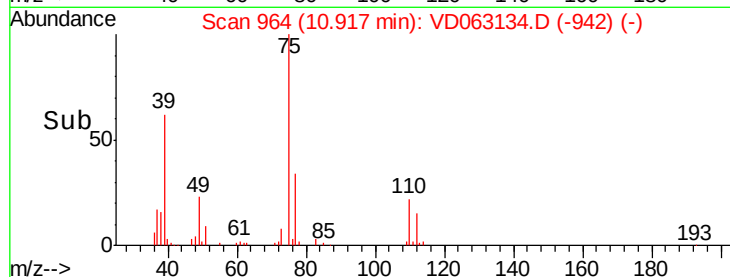
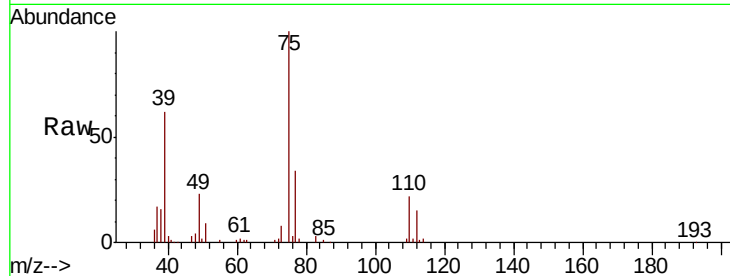
ClientSampled :

Tot Ion: 75 Resp: 194825

Ion Ratio Lower Upper

75 100

77 34.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 12.657 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

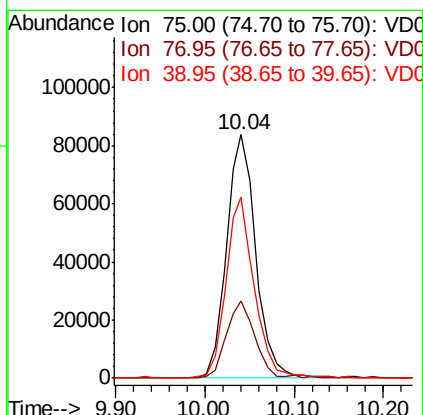
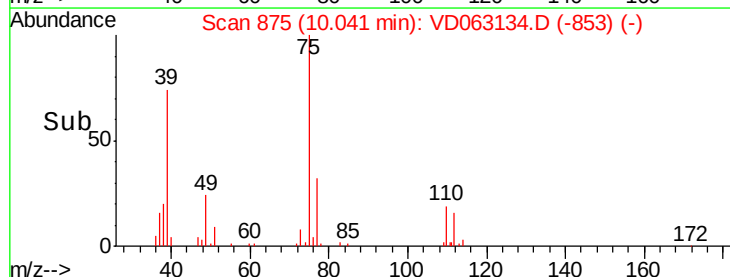
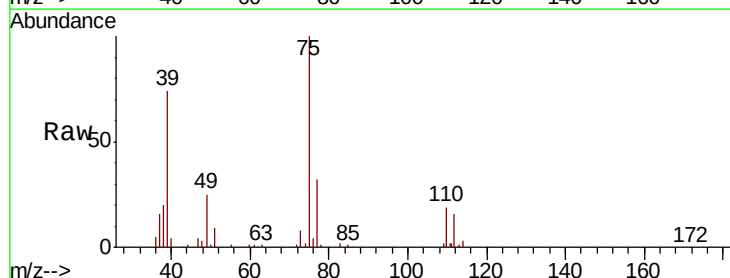
Tgt Ion: 75 Resp: 192709

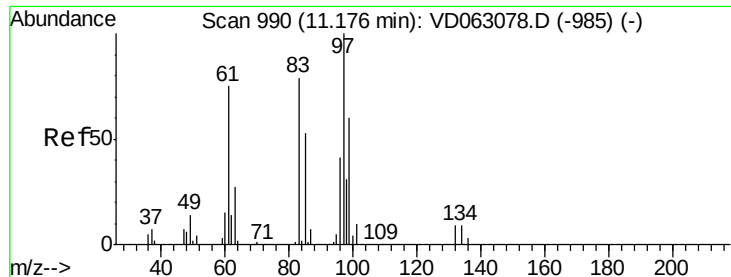
Ion Ratio Lower Upper

75 100

77 31.6 23.9 35.9

39 74.2 59.4 89.0

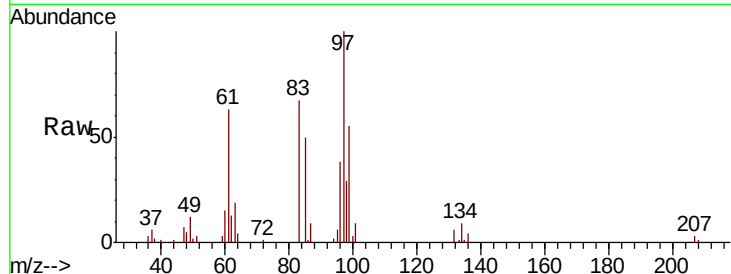




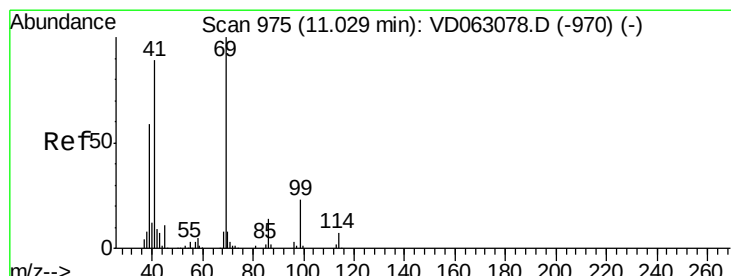
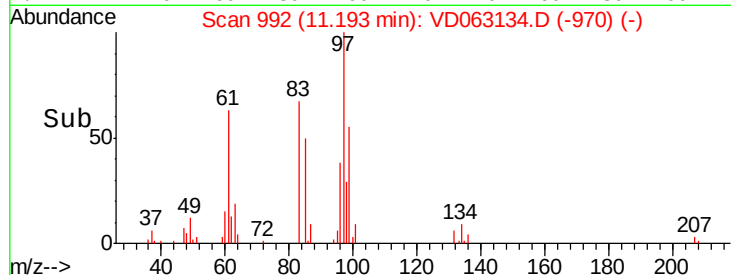
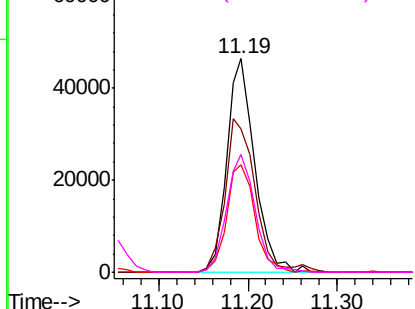
#55
 1,1,2-Trichloroethane
 Concen: 14.338 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	101717
Ion	Ratio	Lower	Upper
97	100		
83	66.9	63.2	94.8
85	50.3	42.0	63.0
99	55.0	48.3	72.5

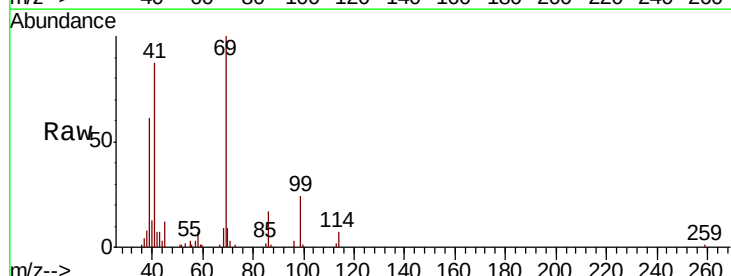


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

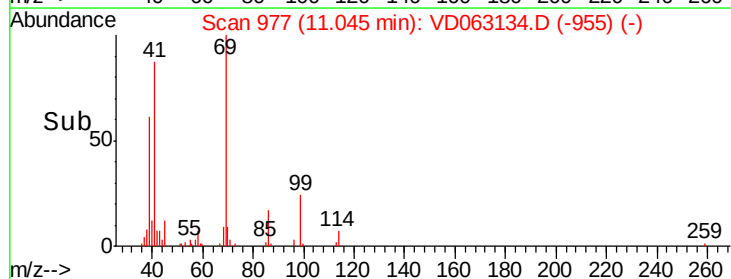
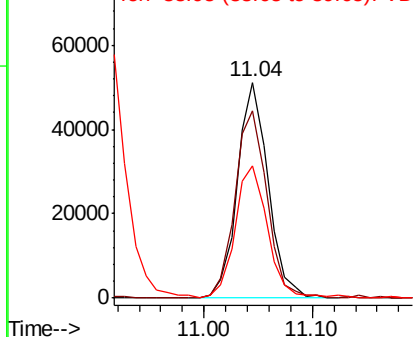


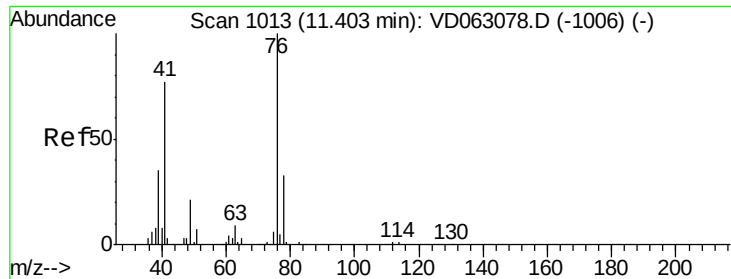
#56
 Ethyl methacrylate
 Concen: 12.774 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion:	69	Resp:	101248
Ion	Ratio	Lower	Upper
69	100		
41	86.5	71.0	106.4
39	61.2	47.7	71.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

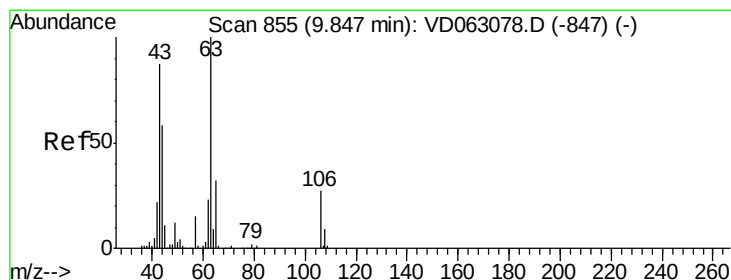
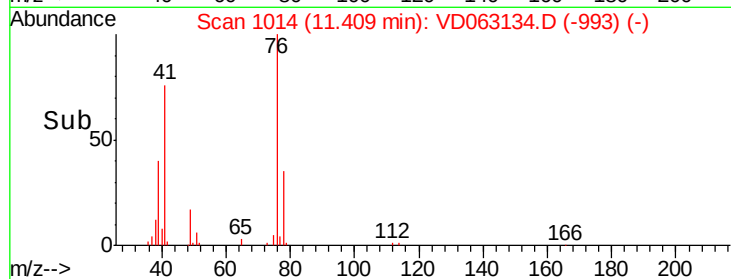
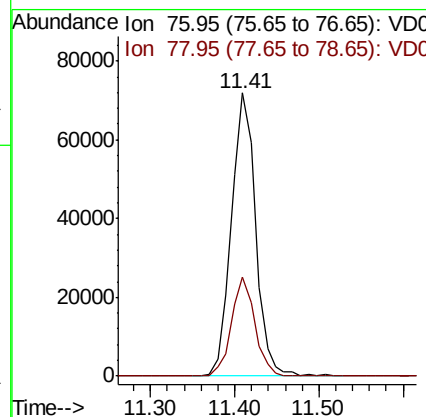
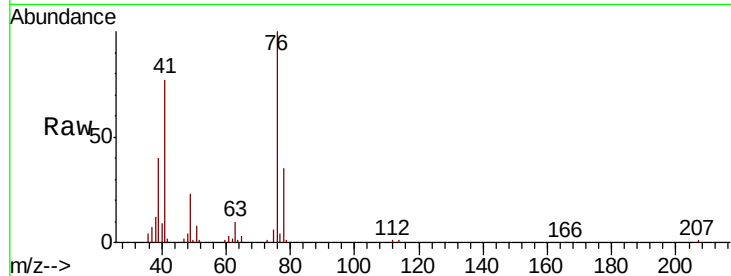




#57
 1,3-Dichloropropane
 Concen: 13.244 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

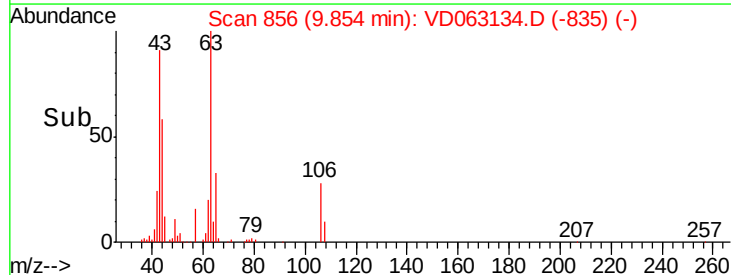
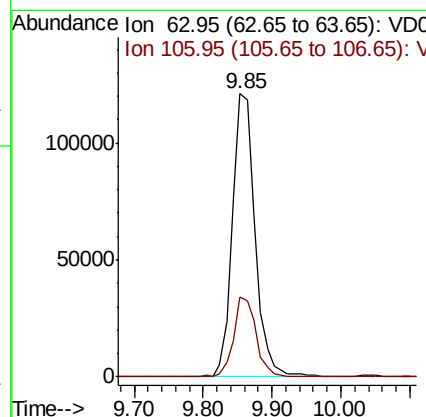
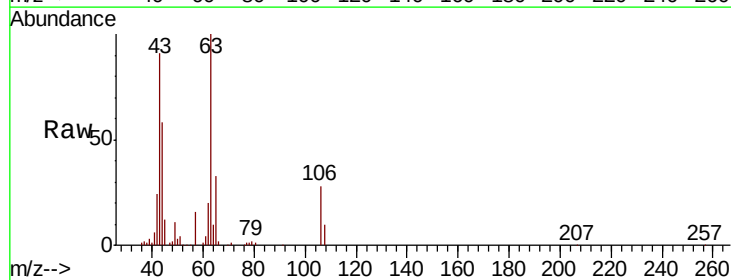
Instrument :
 MSVOA_D
 ClientSampled :

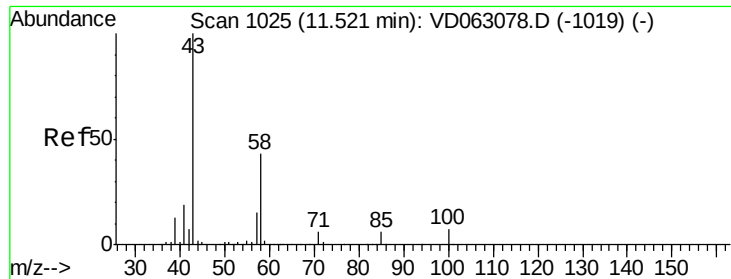
Tot Ion: 76 Resp: 142958
 Ion Ratio Lower Upper
 76 100
 78 34.8 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 62.449 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion: 63 Resp: 275607
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.3 31.9

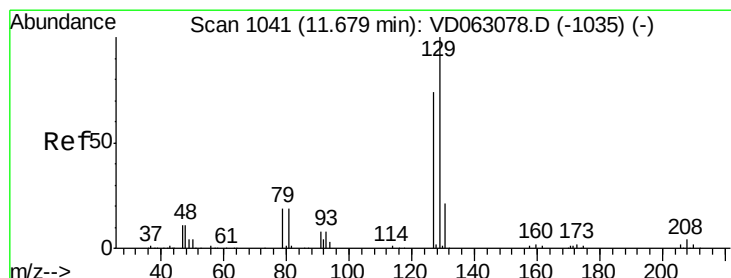
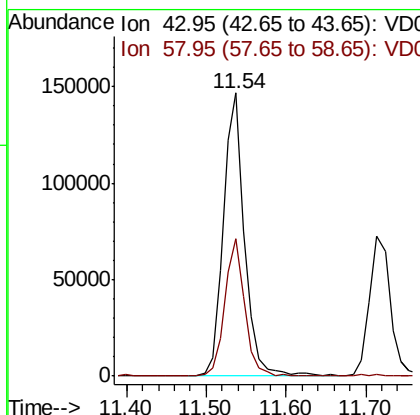
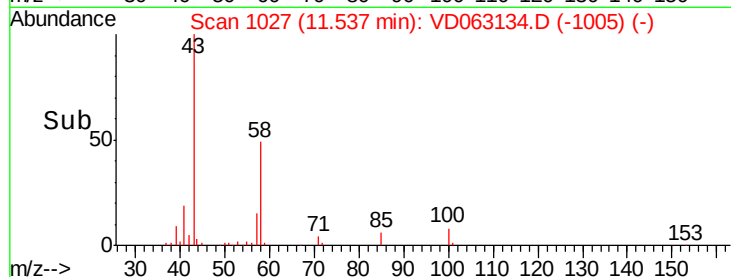
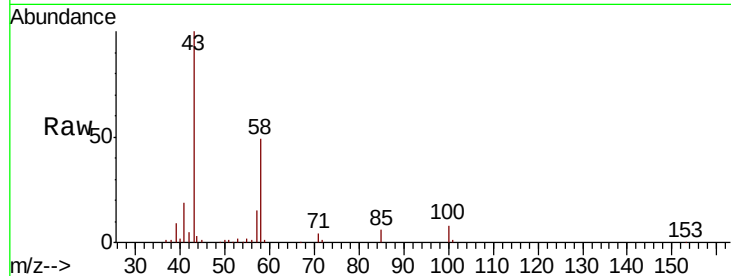




#59
2-Hexanone
Concen: 59.484 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

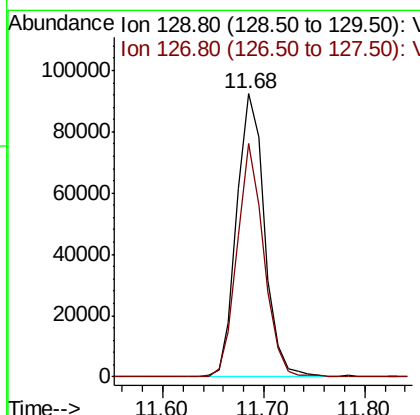
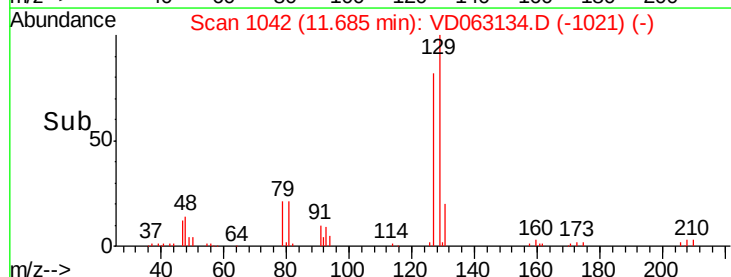
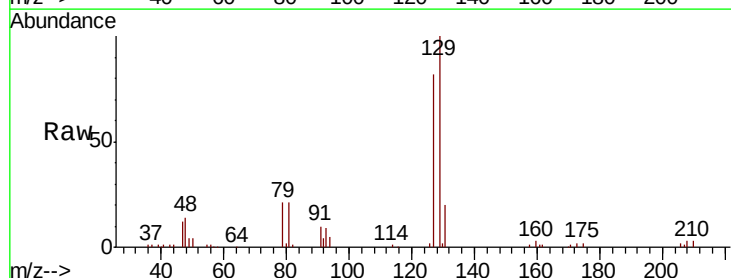
Instrument :
MSVOA_D
ClientSampleId :

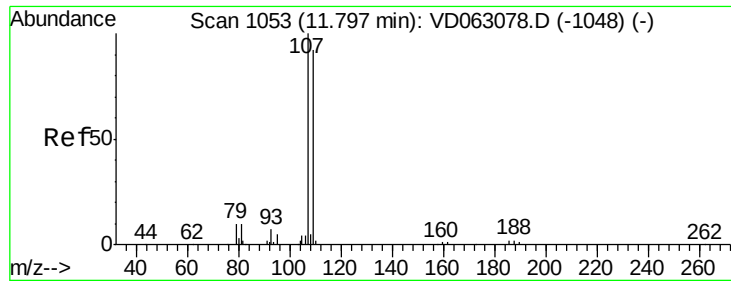
Tot Ion: 43 Resp: 273952
Ion Ratio Lower Upper
43 100
58 48.5 21.7 65.1



#60
Dibromochloromethane
Concen: 13.036 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 129 Resp: 177269
Ion Ratio Lower Upper
129 100
127 82.4 37.0 110.9

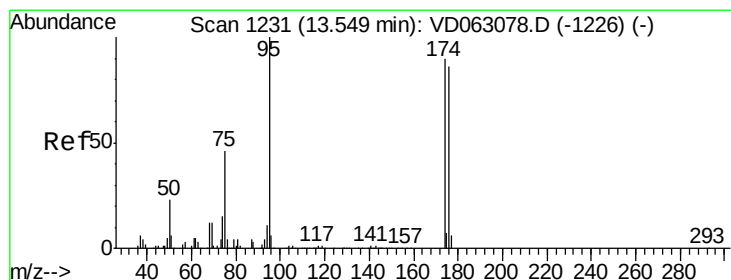
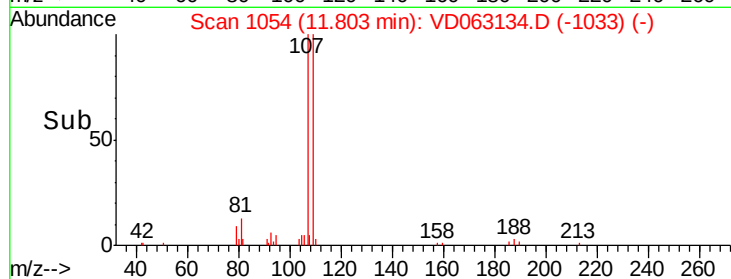
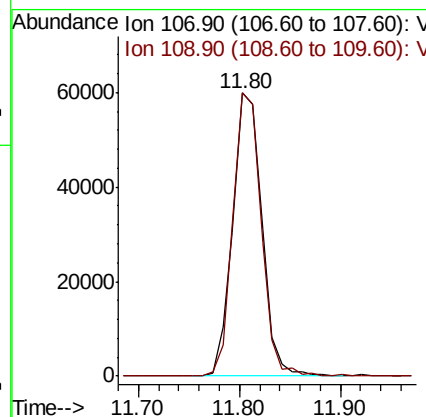
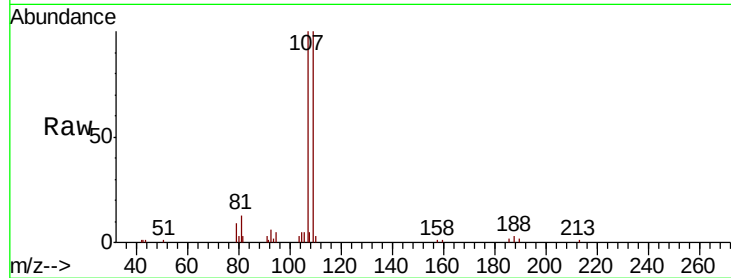




#61
 1,2-Dibromoethane
 Concen: 14.162 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

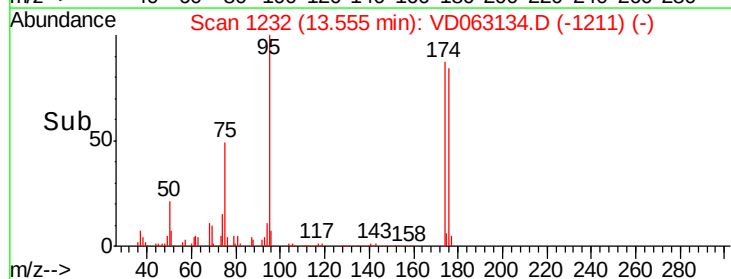
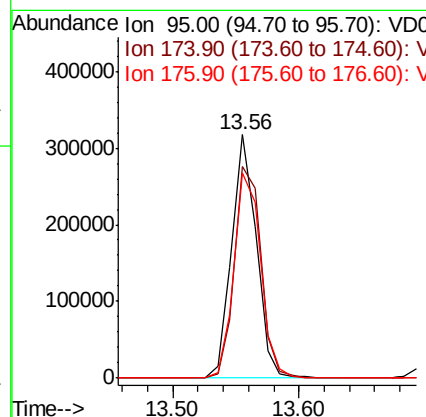
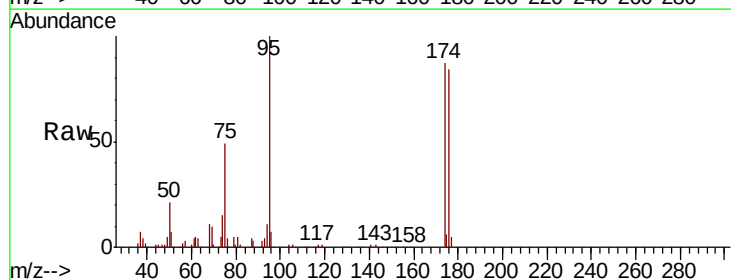
Instrument :
 MSVOA_D
 ClientSampleId :

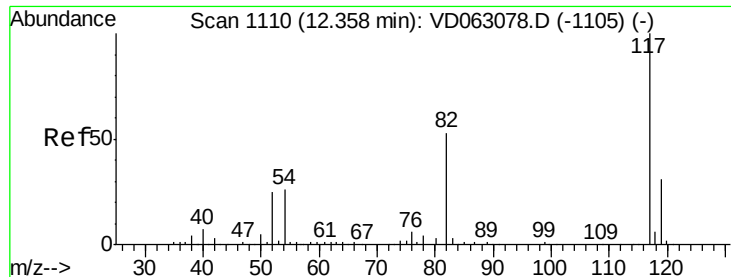
Tot Ion:107 Resp: 120257
 Ion Ratio Lower Upper
 107 100
 109 99.9 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 32.954 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion: 95 Resp: 425675
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 180.6
 176 84.0 0.0 172.2

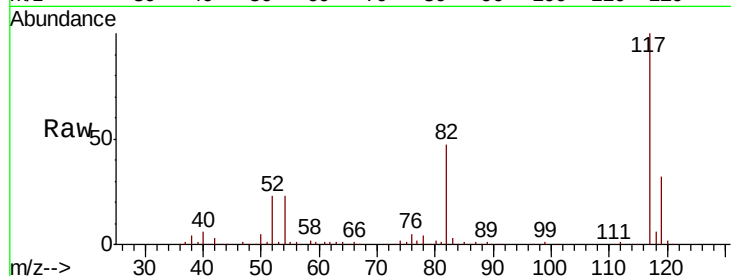




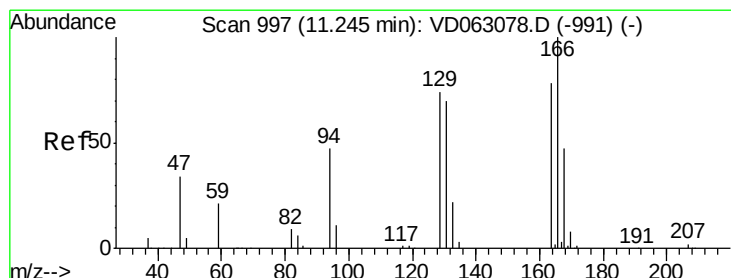
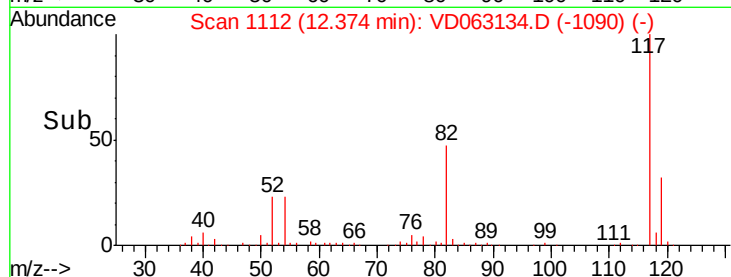
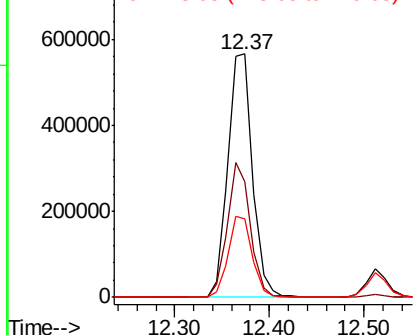
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1024882
Ion Ratio Lower Upper
117 100
82 47.3 42.3 63.5
119 32.4 25.2 37.8

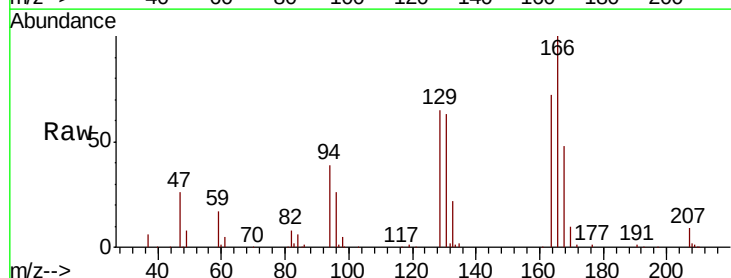


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

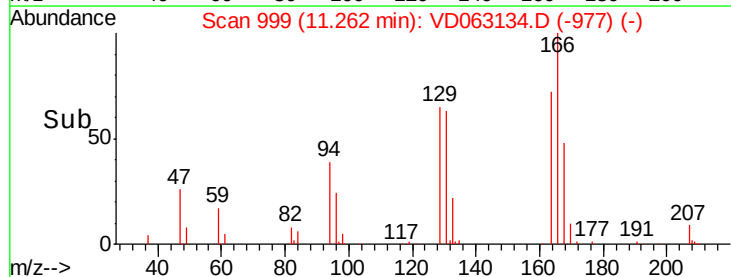
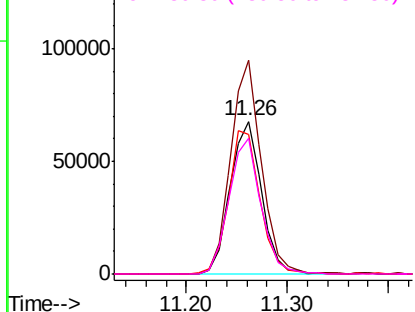


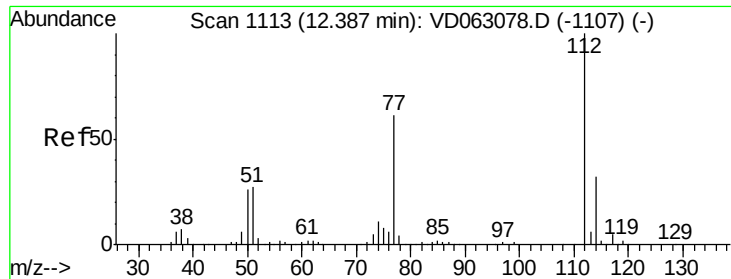
#64
Tetrachloroethene
Concen: 14.673 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion:164 Resp: 145923
Ion Ratio Lower Upper
164 100
166 139.6 102.8 154.2
129 91.4 76.4 114.6
131 88.5 71.7 107.5



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: 14.334 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

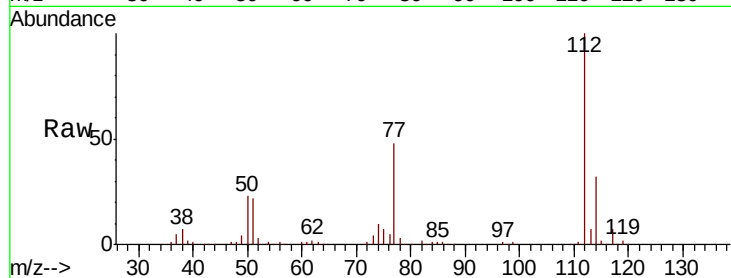
ClientSampleId :

Tot Ion:112 Resp: 345330

Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

200000

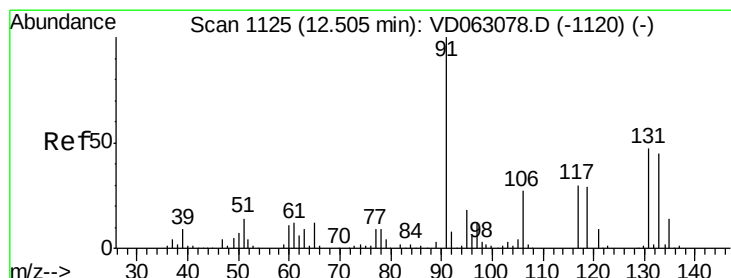
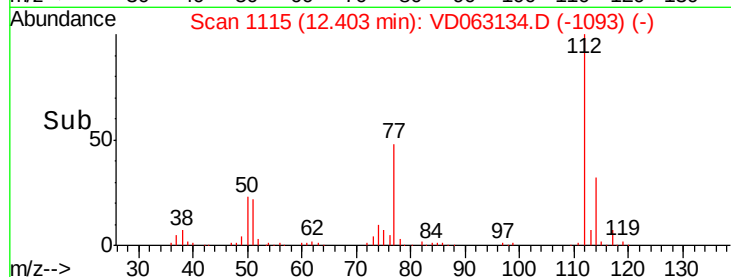
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#66

1,1,1,2-Tetrachloroethane

Concen: 14.520 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

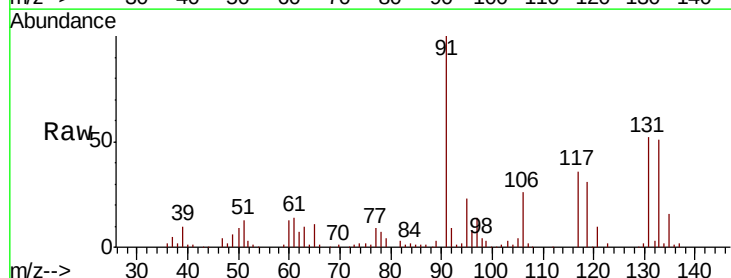
Tgt Ion:131 Resp: 162186

Ion Ratio Lower Upper

131 100

133 96.6 48.5 145.6

119 59.6 30.8 92.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

120000

100000

80000

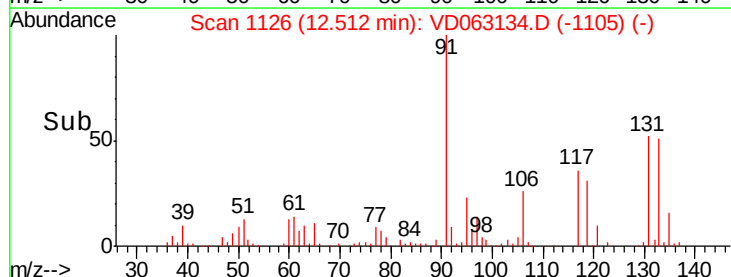
60000

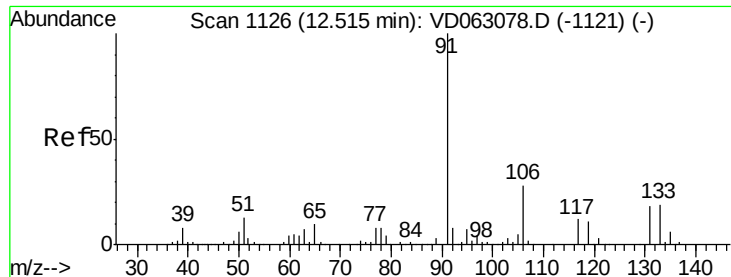
40000

20000

0

Time--> 12.40 12.50 12.60

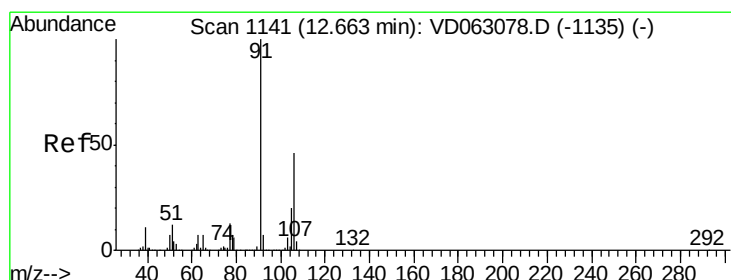
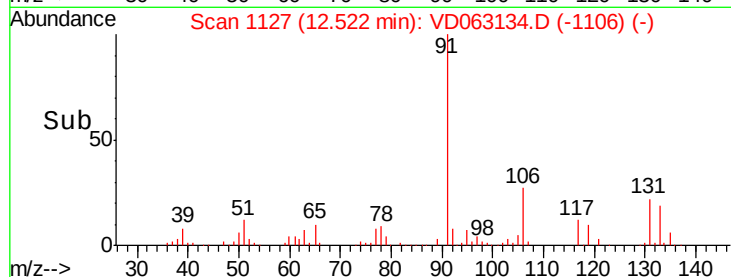
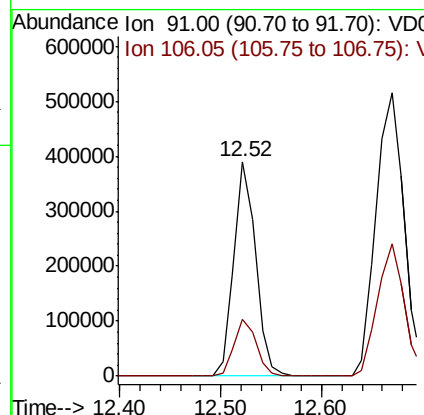
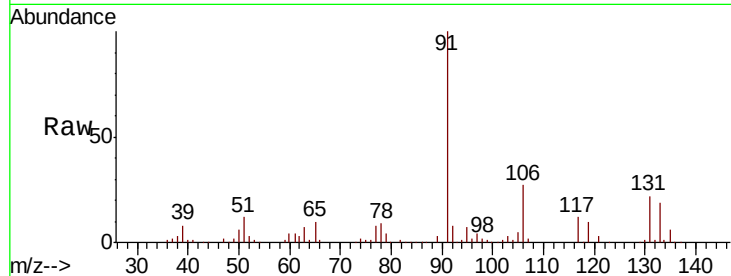




#67
Ethvl Benzene
Concen: 14.100 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

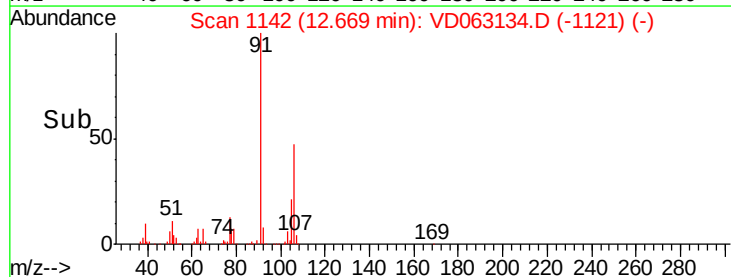
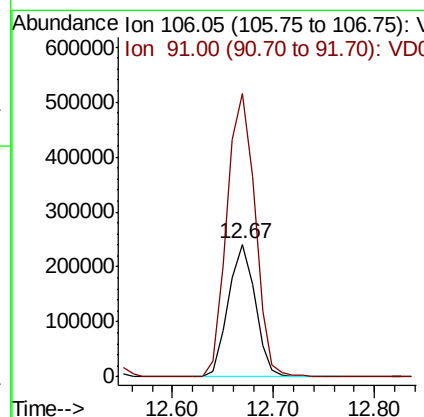
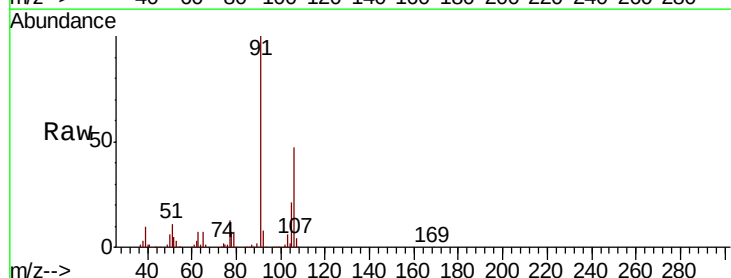
Instrument :
MSVOA_D
ClientSampled :

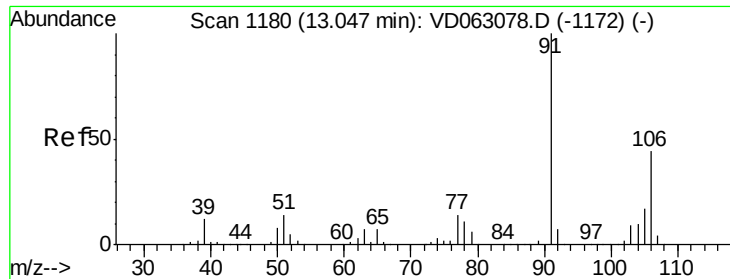
Tot Ion: 91 Resp: 590220
Ion Ratio Lower Upper
91 100
106 26.8 22.5 33.7



#68
m/p-Xylenes
Concen: 30.126 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 106 Resp: 451682
Ion Ratio Lower Upper
106 100
91 213.3 173.0 259.6

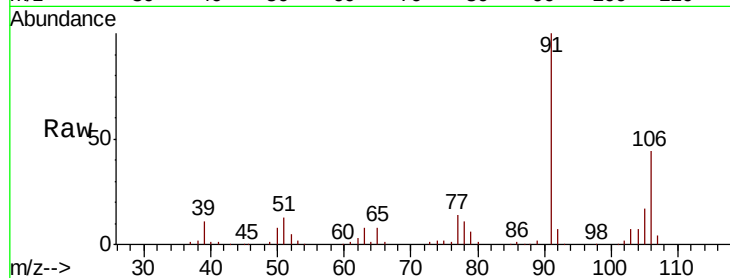




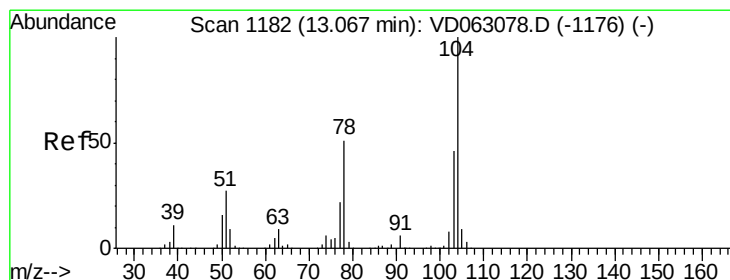
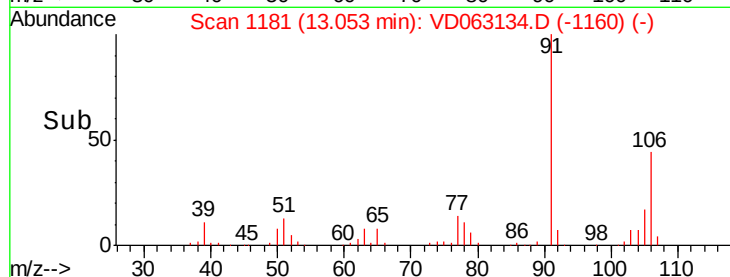
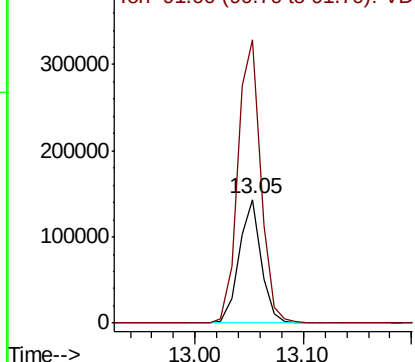
#69
o-Xylene
Concen: 14.316 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 203534
Ion Ratio Lower Upper
106 100
91 228.5 114.9 344.7

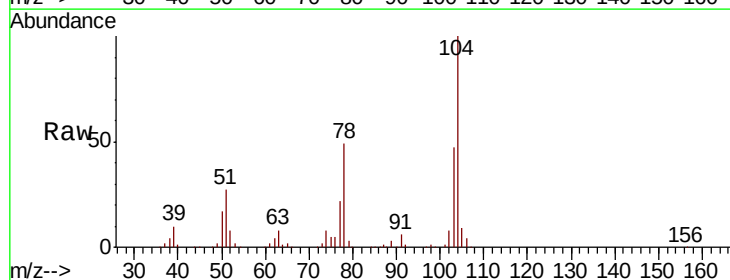


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

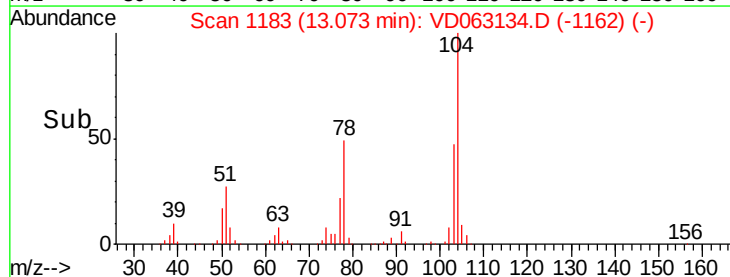
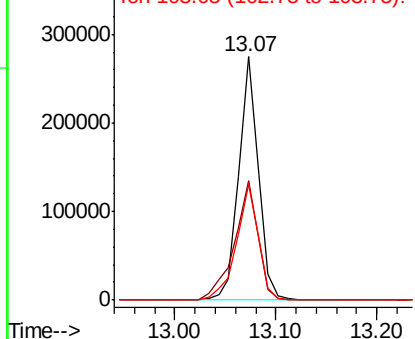


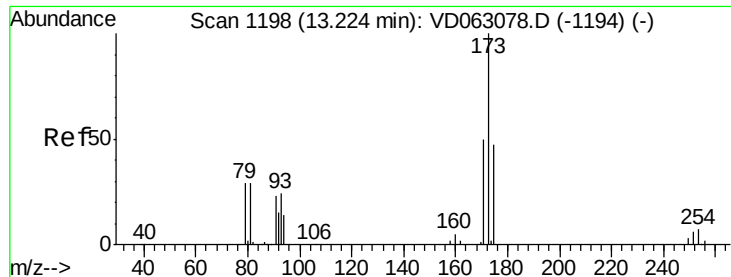
#70
Styrene
Concen: 14.857 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion:104 Resp: 369721
Ion Ratio Lower Upper
104 100
78 49.0 41.1 61.7
103 47.3 37.0 55.6



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

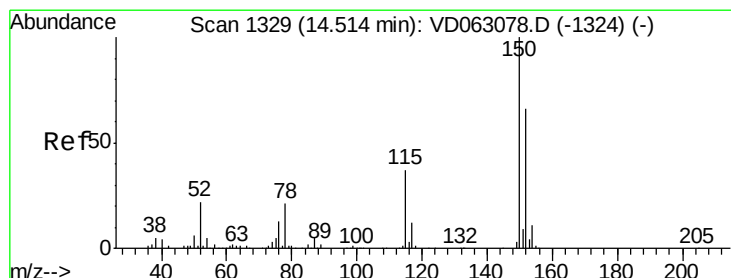
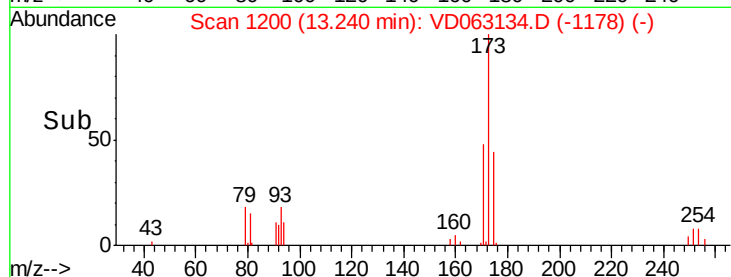
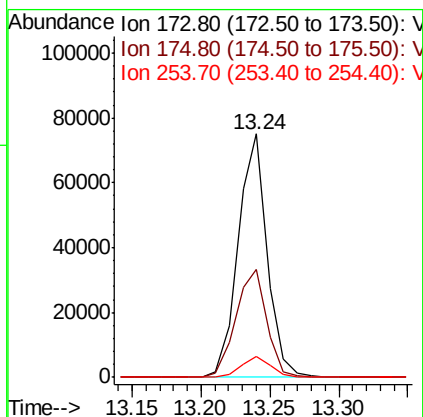
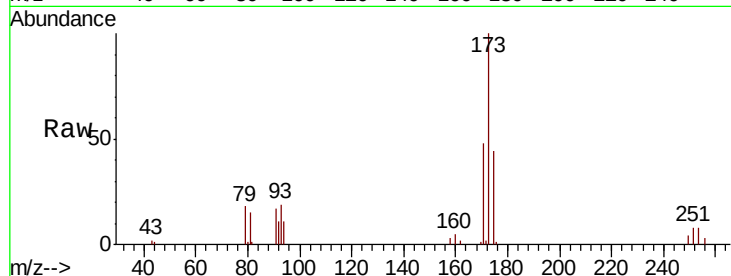




#71
Bromoform
Concen: 14.029 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.02 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

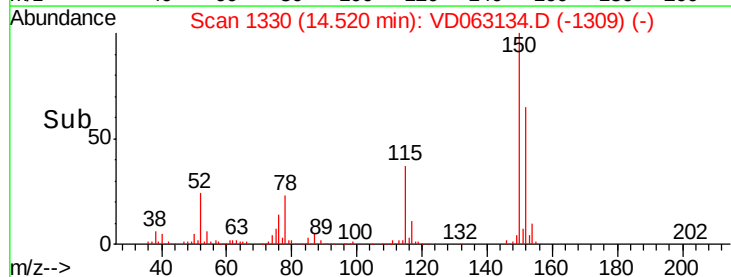
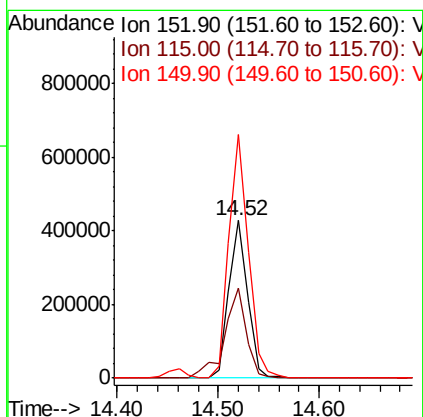
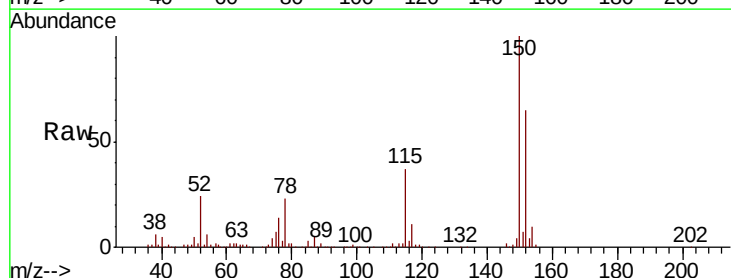
Instrument :
MSVOA_D
ClientSampleId :

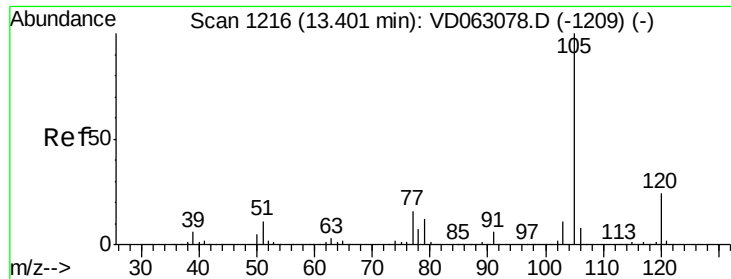
Tot Ion:173 Resp: 109709
Ion Ratio Lower Upper
173 100
175 44.4 23.4 70.2
254 8.5 5.4 8.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion:152 Resp: 548394
Ion Ratio Lower Upper
152 100
115 57.0 28.9 86.8
150 154.3 0.0 313.8





#73

Isopropylbenzene

Concen: 15.657 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

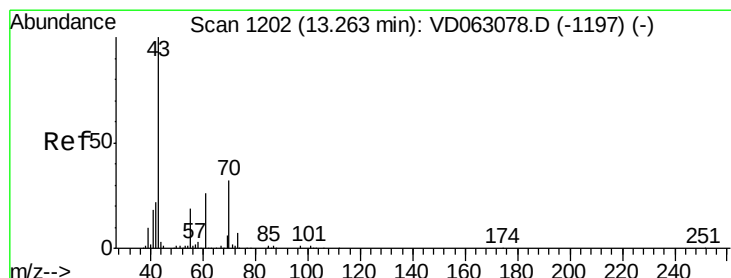
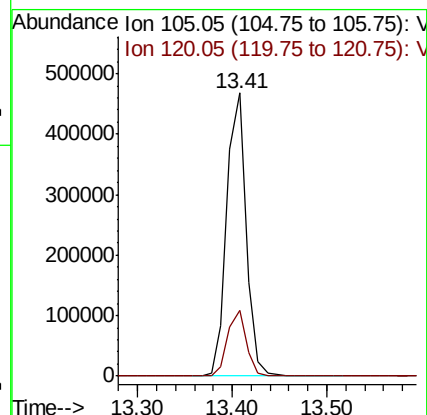
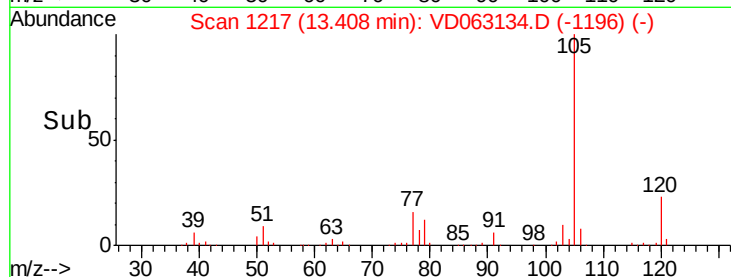
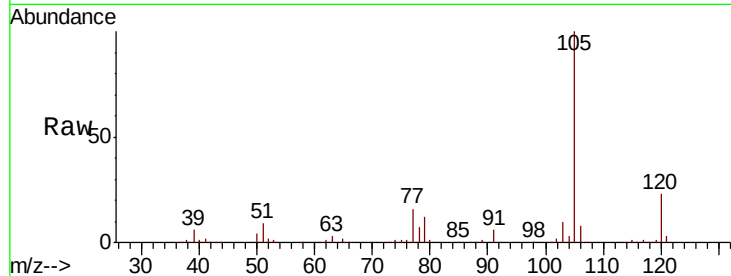
ClientSampleId :

Tot Ion:105 Resp: 663078

Ion Ratio Lower Upper

105 100

120 23.3 12.2 36.4



#74

N-ethyl acetate

Concen: 14.118 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Tgt Ion: 43 Resp: 166754

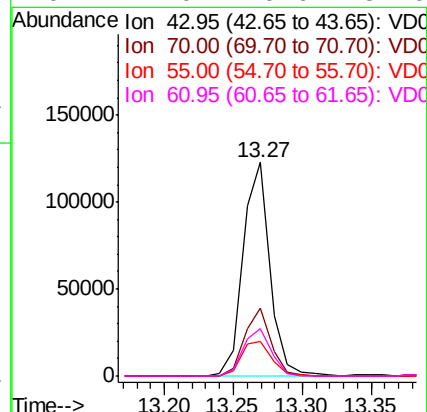
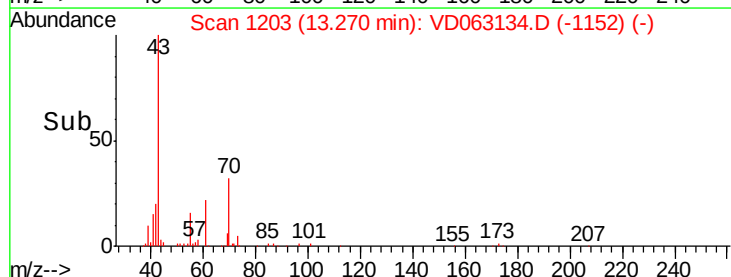
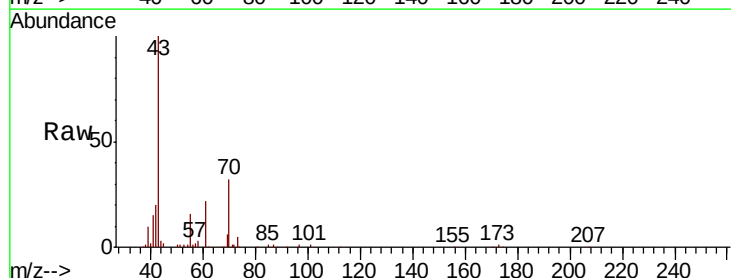
Ion Ratio Lower Upper

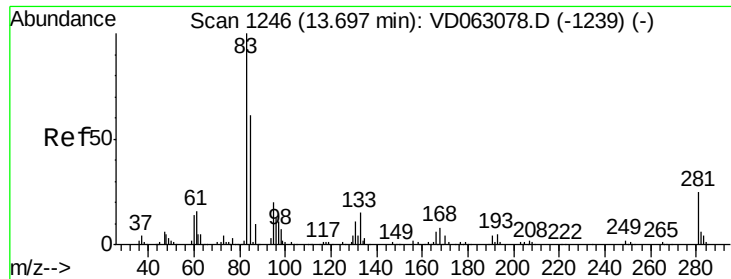
43 100

70 31.9 25.5 38.3

55 16.5 15.4 23.0

61 22.0 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 14.242 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampled :

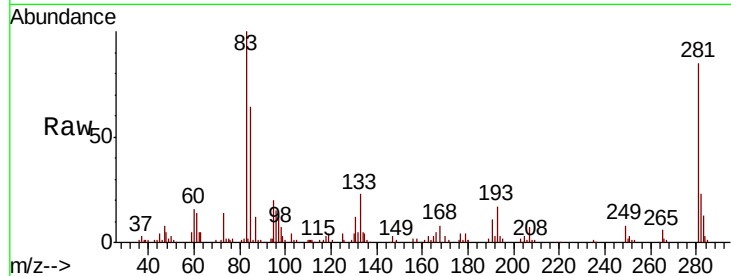
Tot Ion: 83 Resp: 109741

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.7

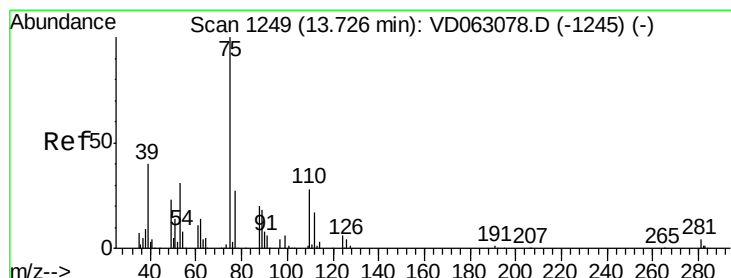
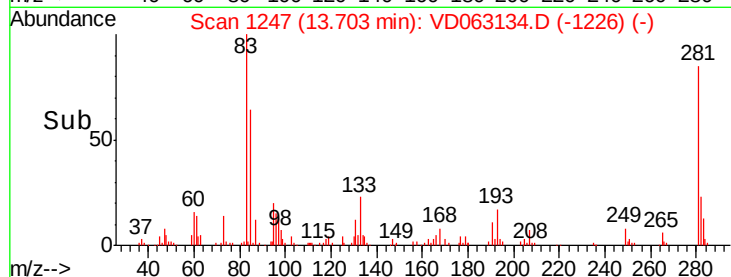
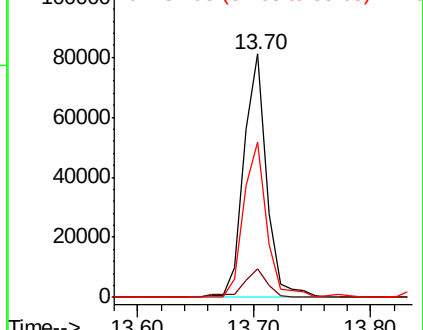
85 63.9 30.7 92.1



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: 12.911 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063134.D

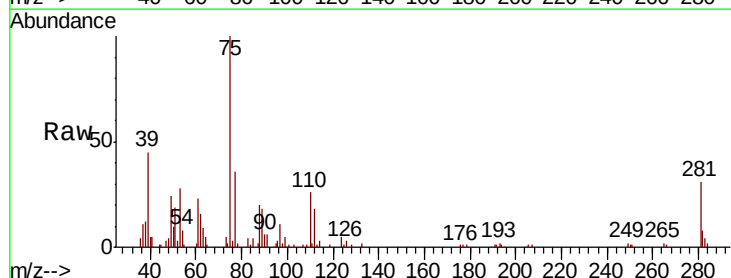
Acq: 17 Jul 2019 16:30

Tgt Ion: 75 Resp: 108916

Ion Ratio Lower Upper

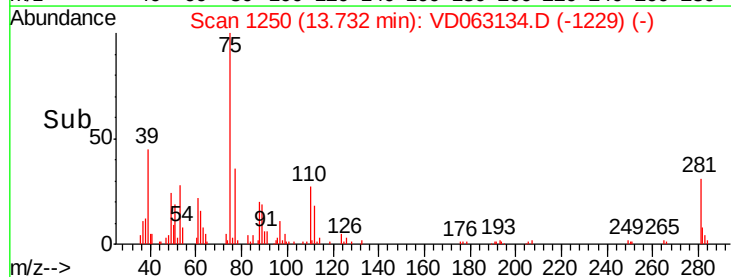
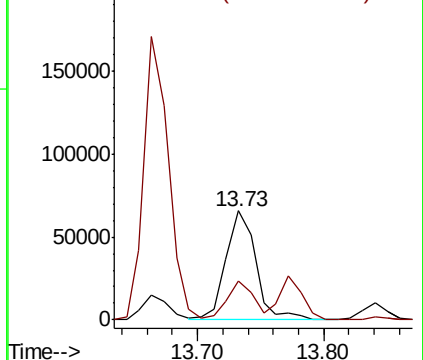
75 100

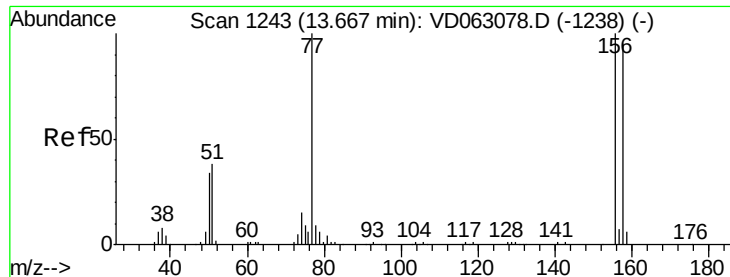
77 36.0 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 15.786 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

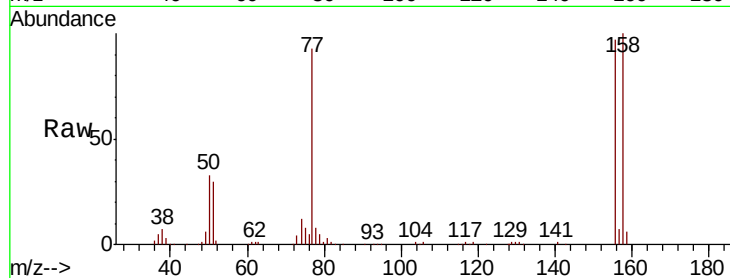
Tot Ion:156 Resp: 189585

Ion Ratio Lower Upper

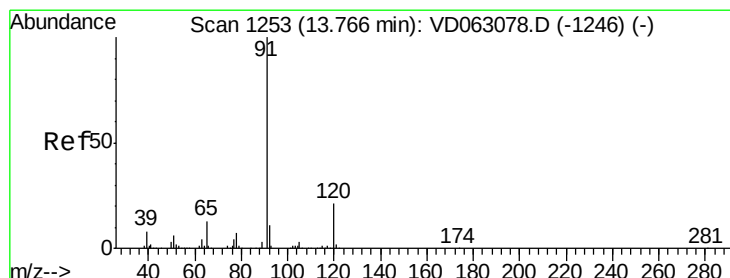
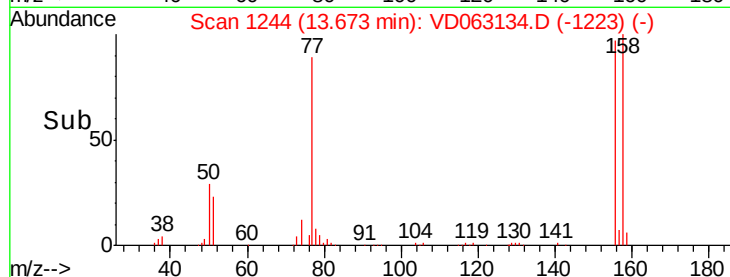
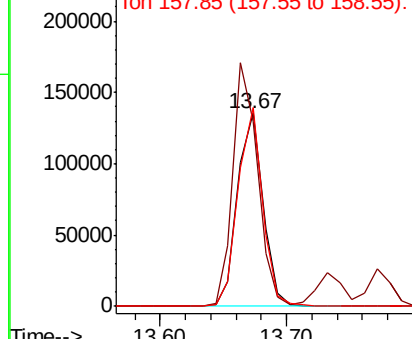
156 100

77 95.3 50.2 150.7

158 102.6 47.6 142.9



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



#78

n-propylbenzene

Concen: 15.779 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063134.D

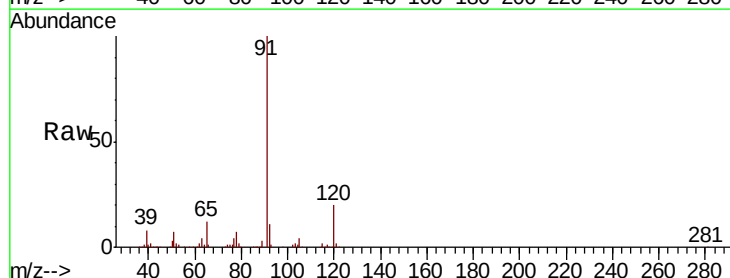
Acq: 17 Jul 2019 16:30

Tgt Ion: 91 Resp: 769001

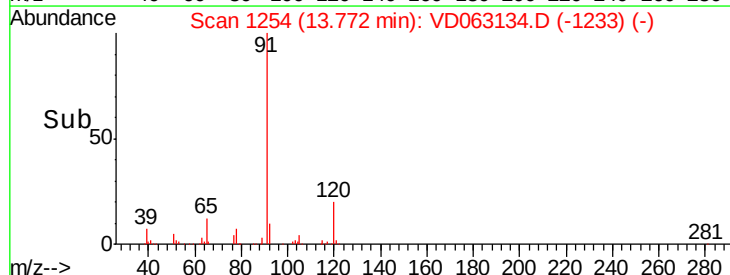
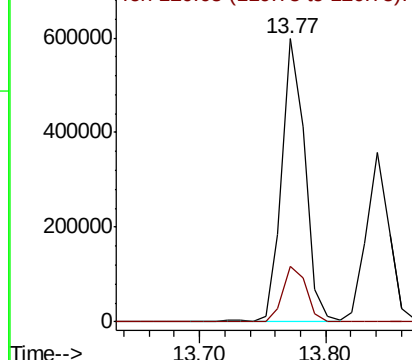
Ion Ratio Lower Upper

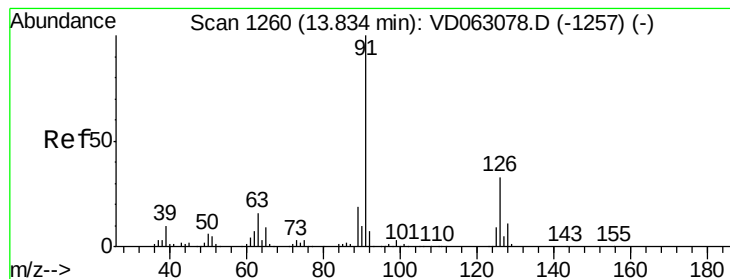
91 100

120 19.6 10.5 31.6



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





#79

2-Chlorotoluene

Concen: 15.257 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

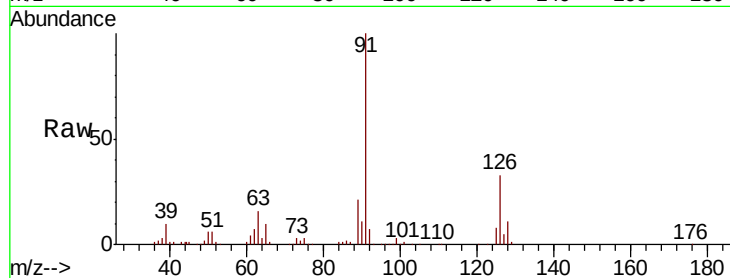
ClientSampleId :

Tot Ion: 91 Resp: 449590

Ion Ratio Lower Upper

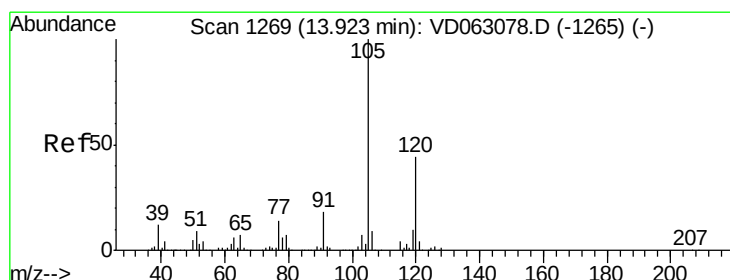
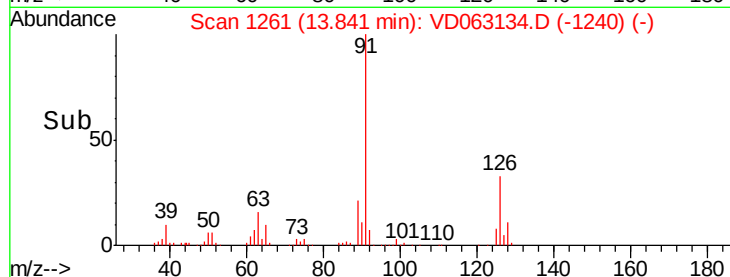
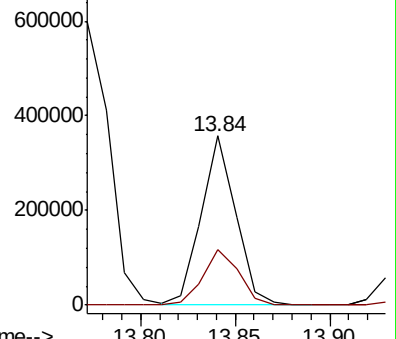
91 100

126 32.7 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VD063134.D (-1240) (-)

Ion 125.95 (125.65 to 126.65): VD063134.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 14.224 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VD063134.D

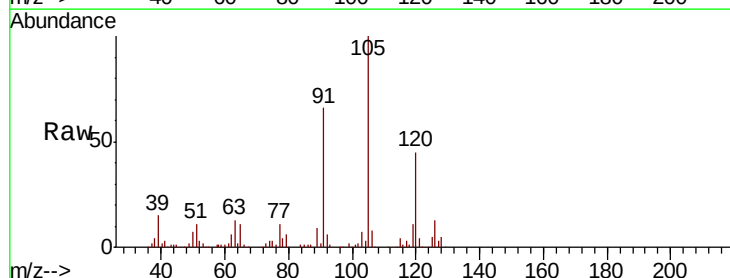
Acq: 17 Jul 2019 16:30

Tgt Ion: 105 Resp: 525003

Ion Ratio Lower Upper

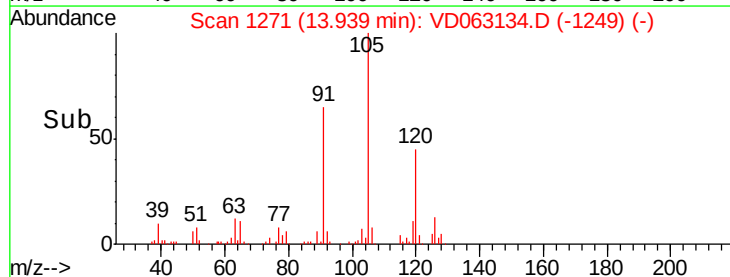
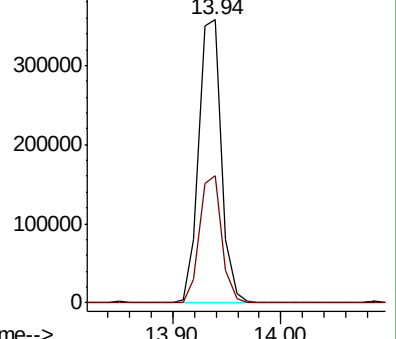
105 100

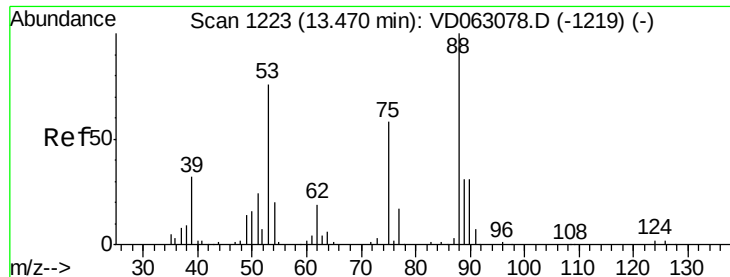
120 44.9 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): VD063134.D (-1249) (-)

Ion 120.05 (119.75 to 120.75): VD063134.D (-1249) (-)

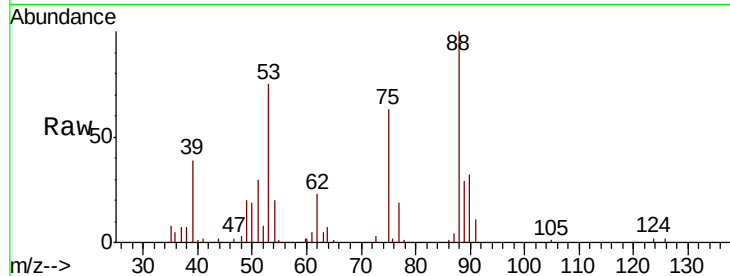




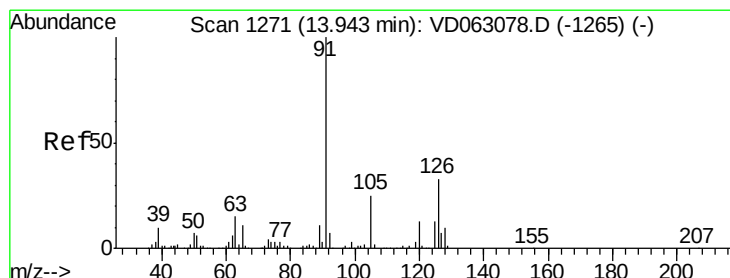
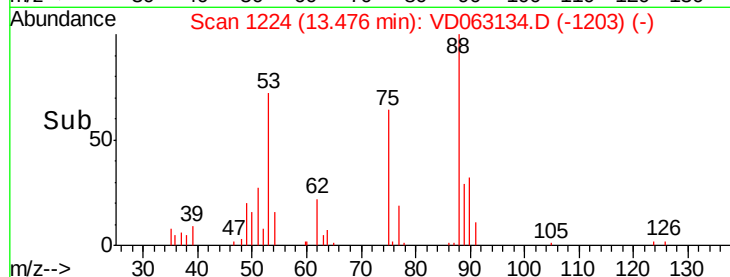
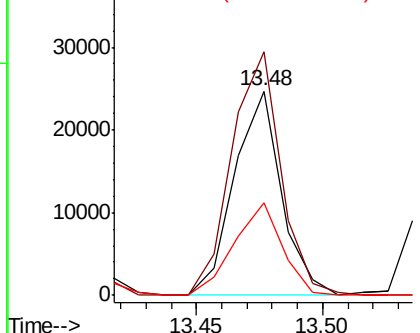
#81
trans-1,4-Dichloro-2-butene
Concen: 14.526 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 32270
Ion Ratio Lower Upper
75 100
53 119.1 104.4 156.6
89 45.5 43.1 64.7

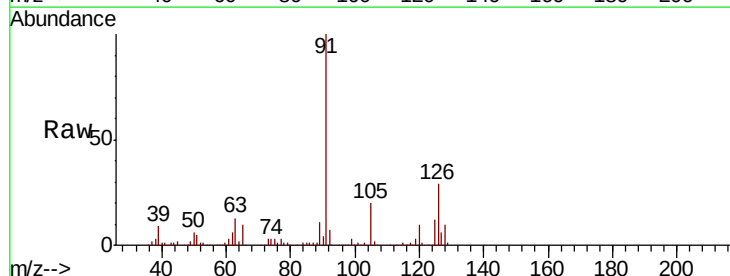


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

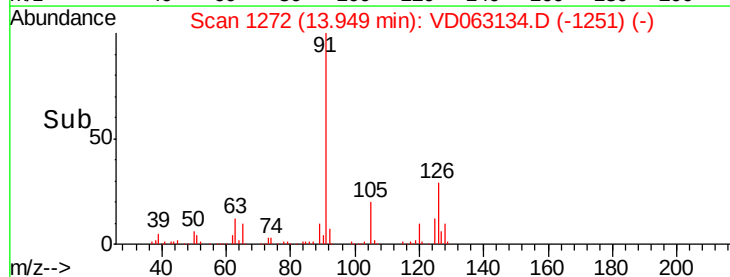
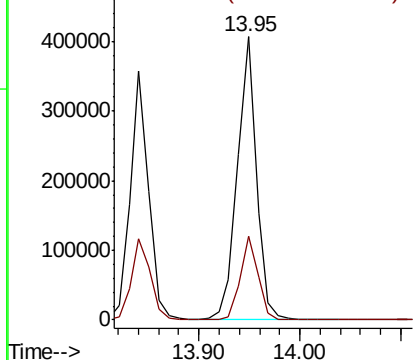


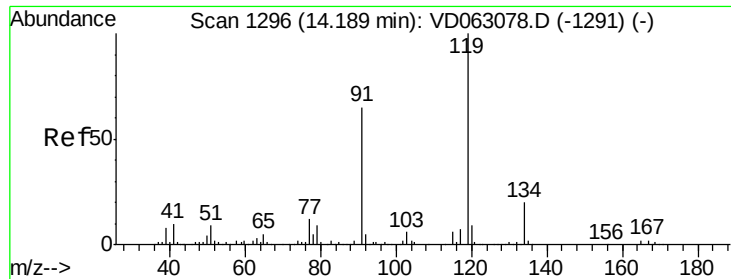
#82
4-Chlorotoluene
Concen: 15.489 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD063134.D
Acq: 17 Jul 2019 16:30

Tgt Ion: 91 Resp: 532974
Ion Ratio Lower Upper
91 100
126 29.5 16.7 50.1



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

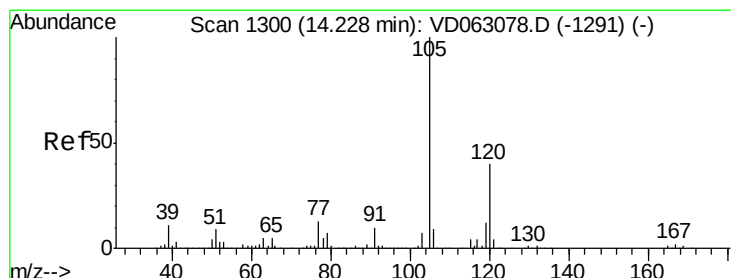
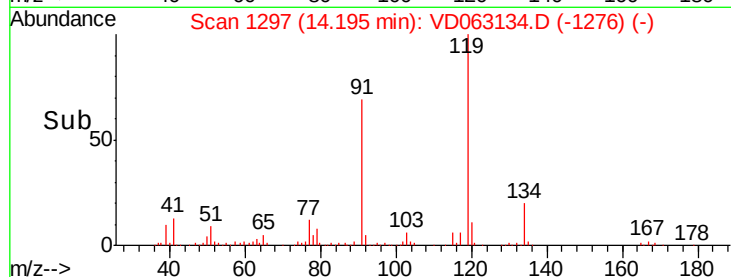
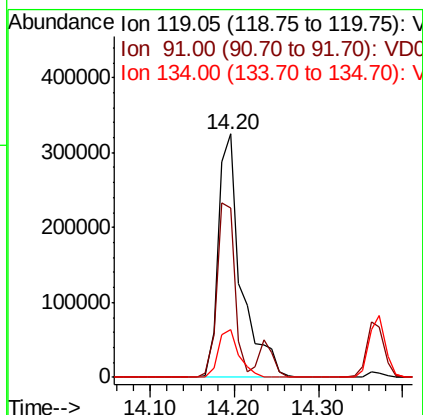
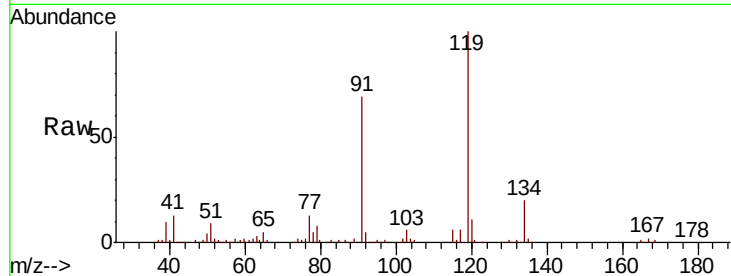




#83
 tert-Butylbenzene
 Concen: 14.627 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

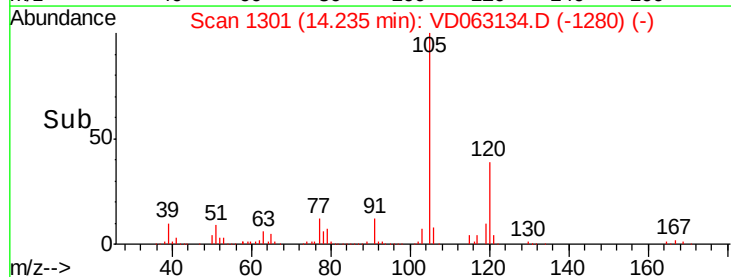
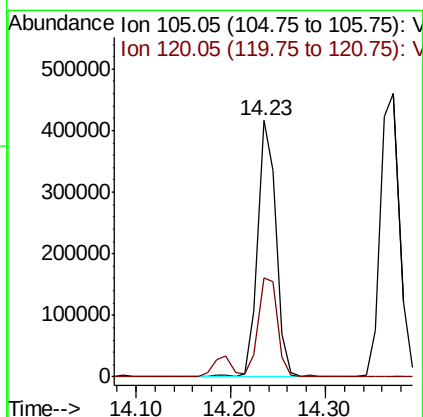
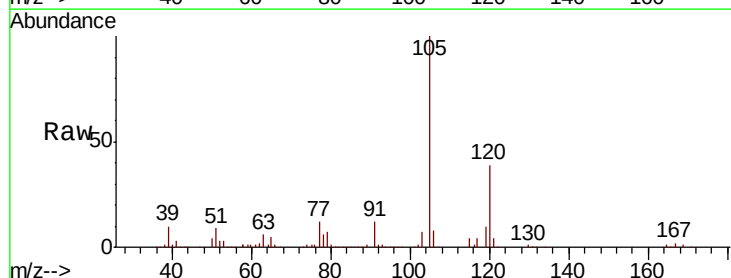
Instrument :
 MSVOA_D
 ClientSampleId :

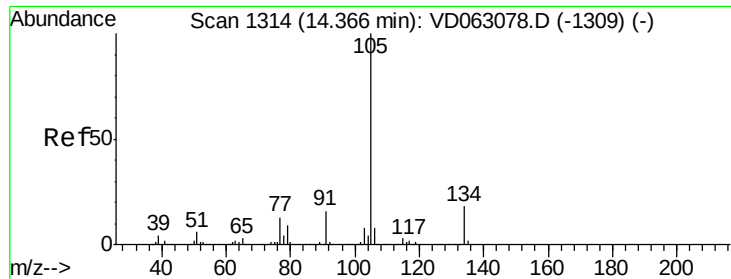
Tot Ion:119 Resp: 610480
 Ion Ratio Lower Upper
 119 100
 91 69.3 32.4 97.2
 134 19.8 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 15.276 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion:105 Resp: 562140
 Ion Ratio Lower Upper
 105 100
 120 38.9 20.2 60.6





#85

sec-Butylbenzene

Concen: 14.679 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

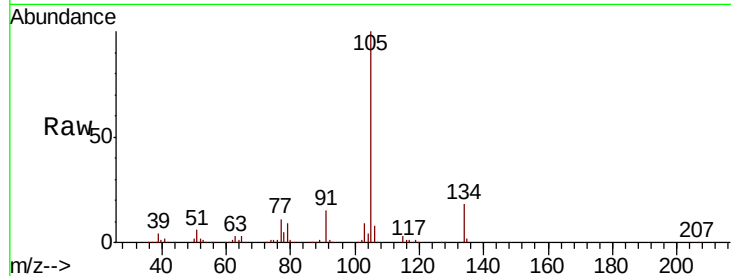
ClientSampled :

Tot Ion:105 Resp: 650918

Ion Ratio Lower Upper

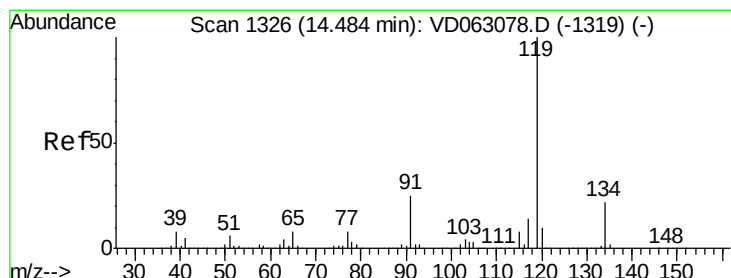
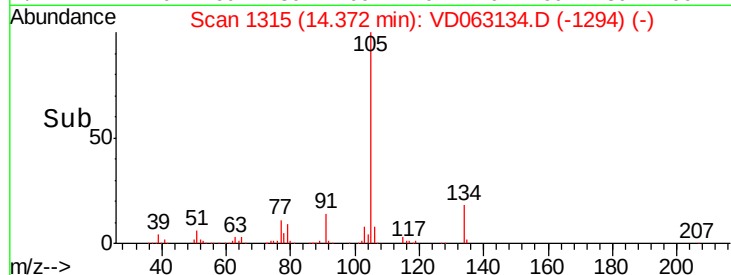
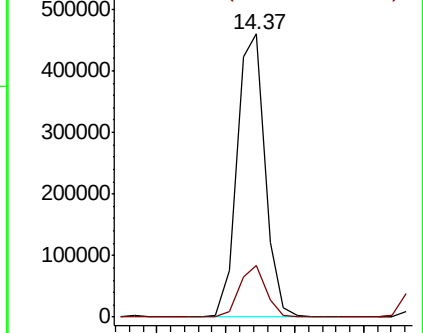
105 100

134 18.1 8.9 26.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 15.178 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

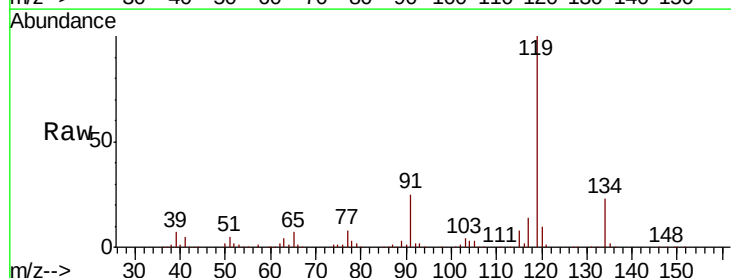
Tgt Ion:119 Resp: 627862

Ion Ratio Lower Upper

119 100

134 23.2 10.8 32.4

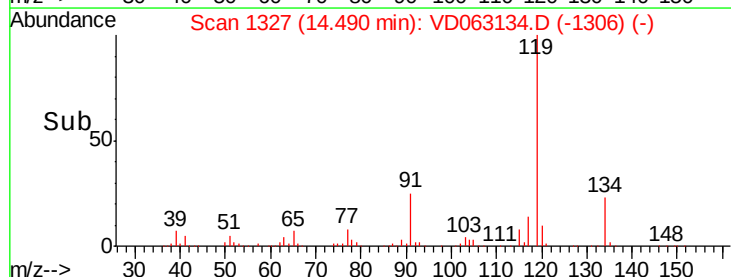
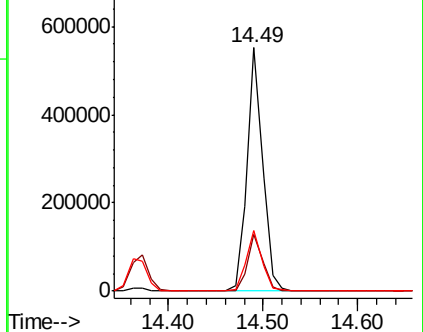
91 24.8 12.5 37.5

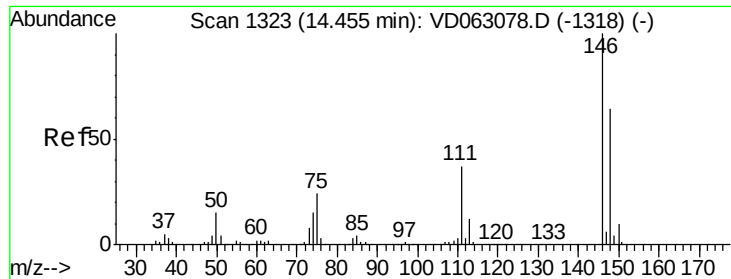


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

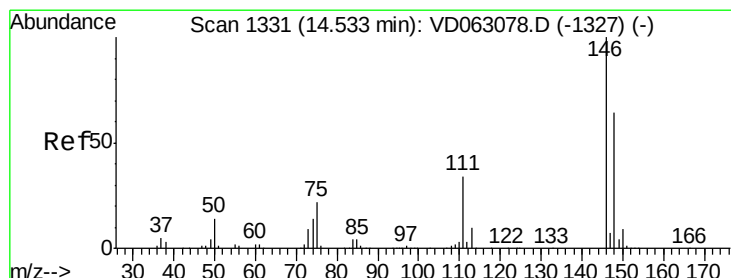
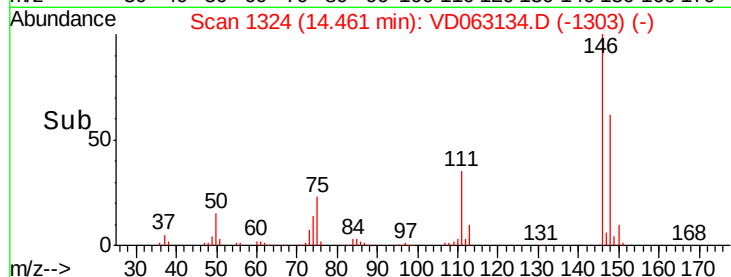
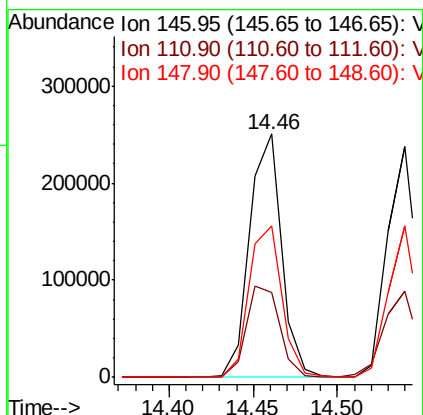
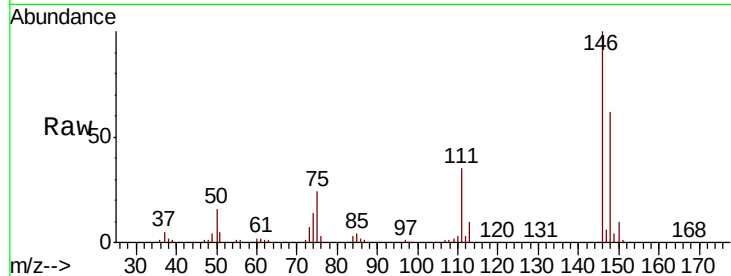




#87
 1,3-Dichlorobenzene
 Concen: 15.488 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

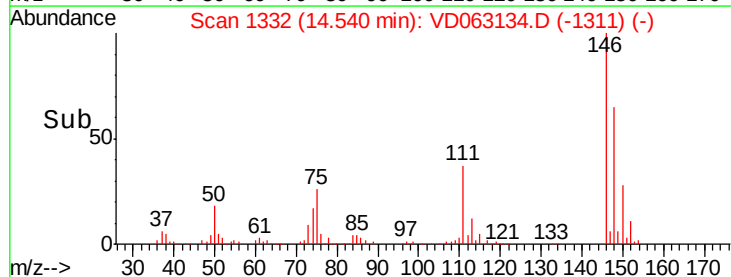
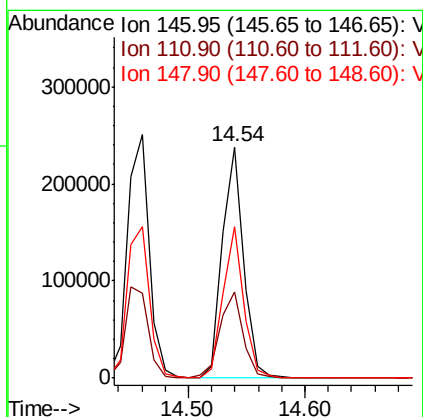
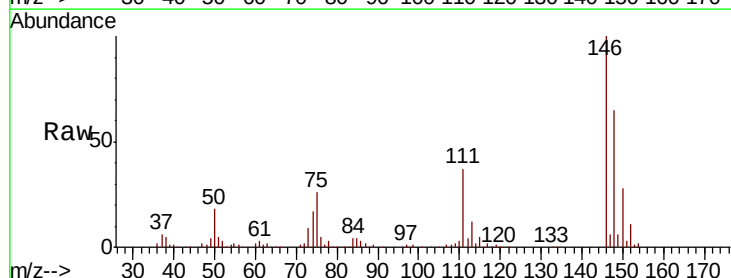
Instrument :
 MSVOA_D
 ClientSampleId :

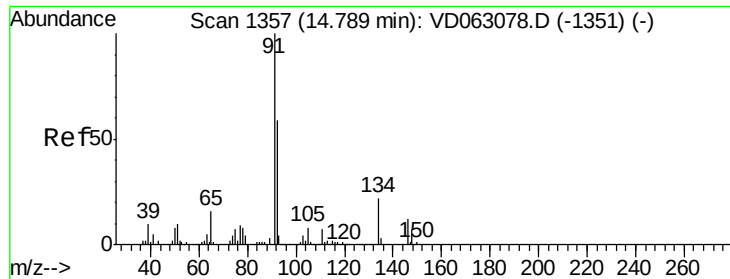
Tot Ion:146 Resp: 332185
 Ion Ratio Lower Upper
 146 100
 111 34.7 18.6 55.6
 148 62.1 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 14.766 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion:146 Resp: 303614
 Ion Ratio Lower Upper
 146 100
 111 37.0 17.0 51.0
 148 65.3 32.0 96.2





#89

n-Butylbenzene

Concen: 14.900 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

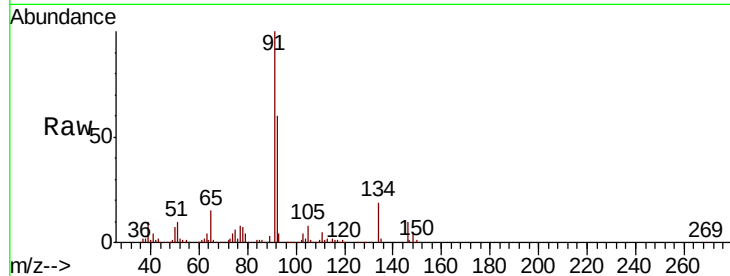
Tot Ion: 91 Resp: 568106

Ion Ratio Lower Upper

91 100

92 59.7 29.4 88.3

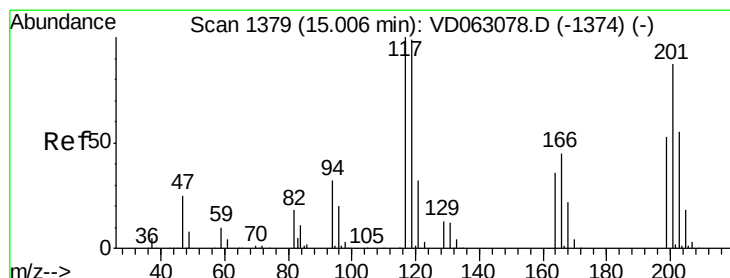
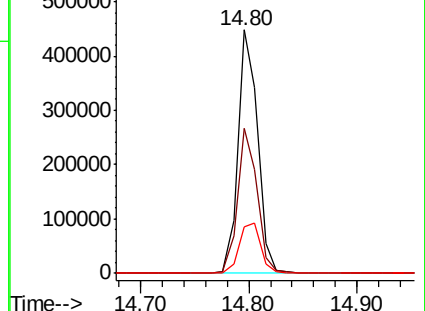
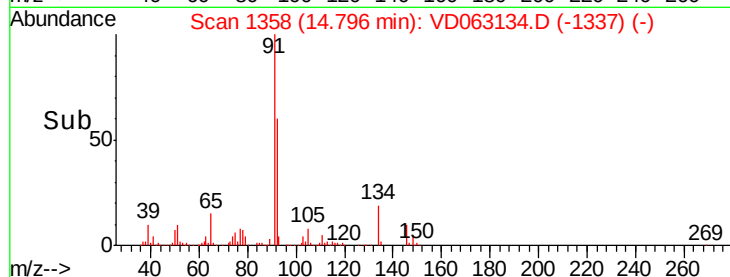
134 19.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 13.502 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063134.D

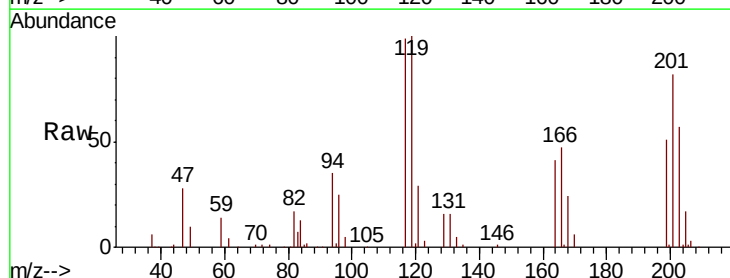
Acq: 17 Jul 2019 16:30

Tgt Ion: 117 Resp: 149315

Ion Ratio Lower Upper

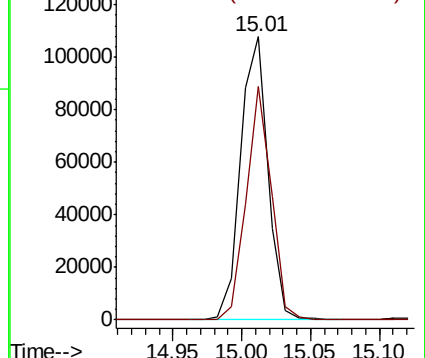
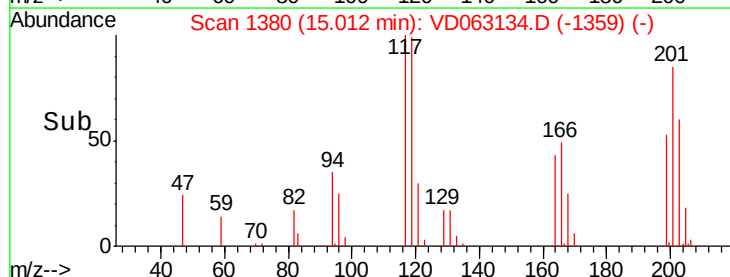
117 100

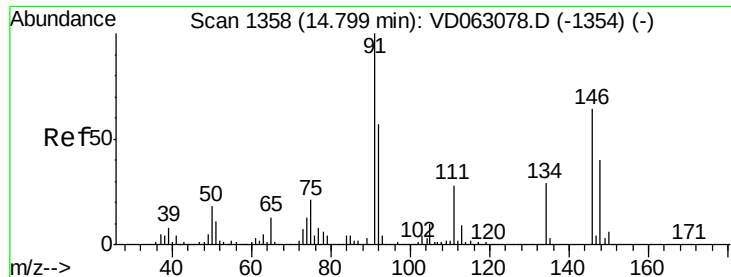
201 82.5 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 14.884 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampled :

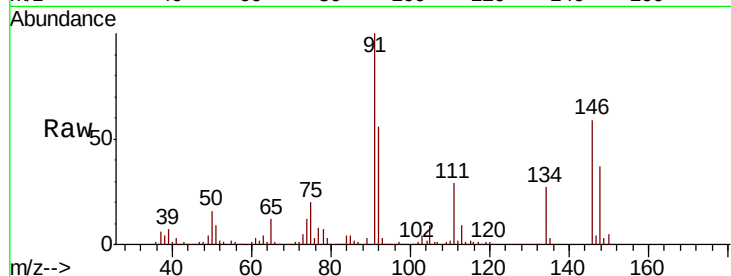
Tot Ion:146 Resp: 284269

Ion Ratio Lower Upper

146 100

111 48.7 21.9 65.5

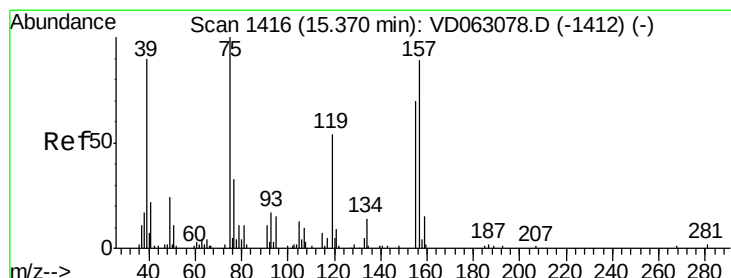
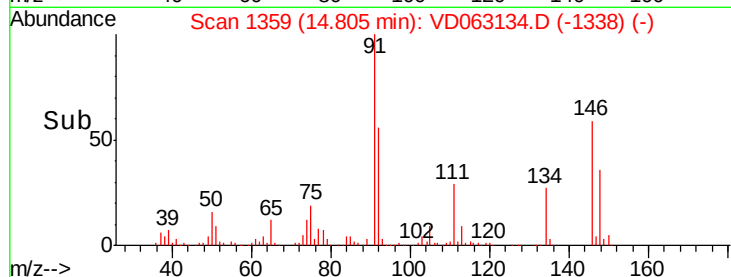
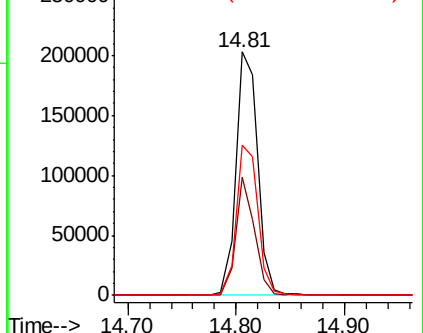
148 61.9 31.5 94.5



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: 14.519 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.02 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

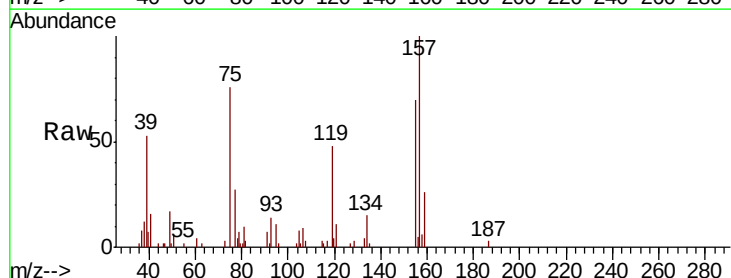
Tgt Ion: 75 Resp: 21444

Ion Ratio Lower Upper

75 100

155 92.1 34.8 104.3

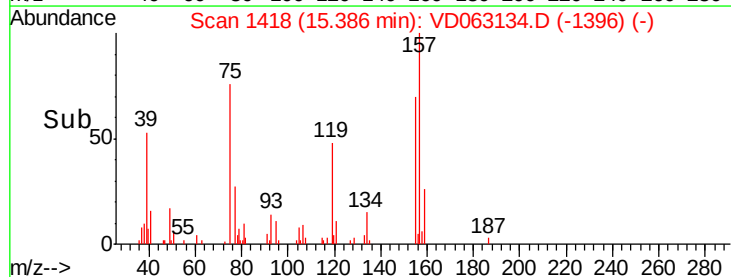
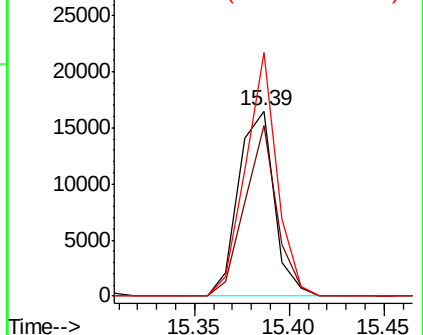
157 131.4 44.7 134.1

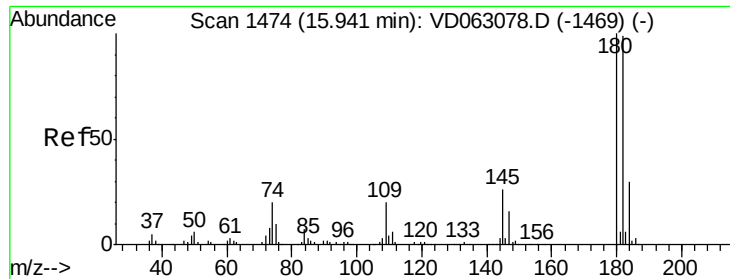


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

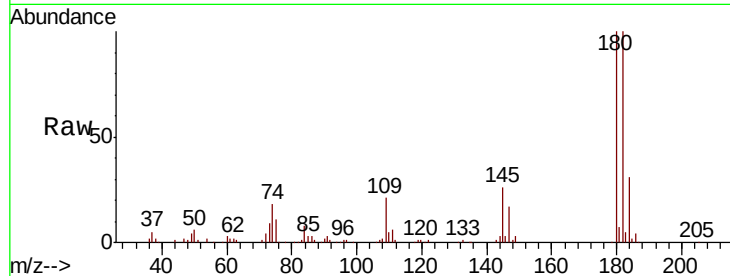




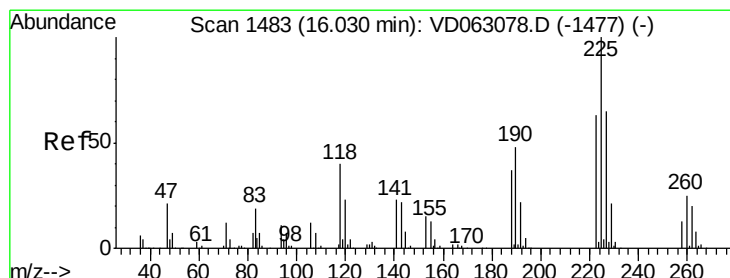
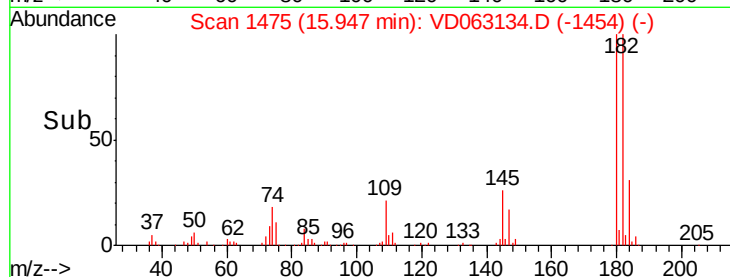
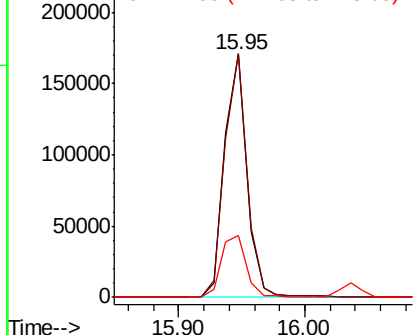
#93
 1,2,4-Trichlorobenzene
 Concen: 14.628 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	49.5	148.3
145	25.5	12.8	38.4

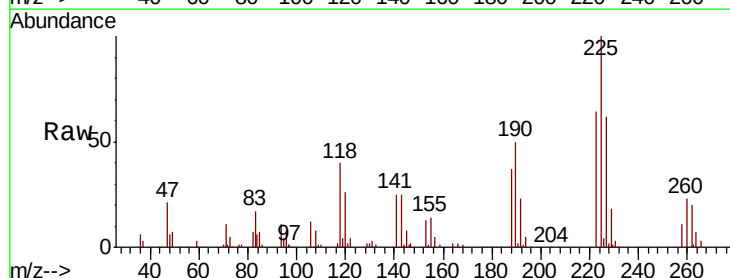


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

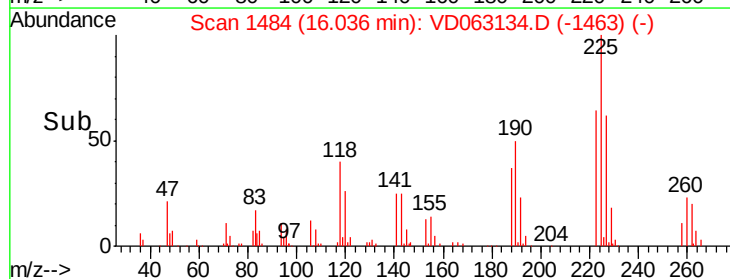
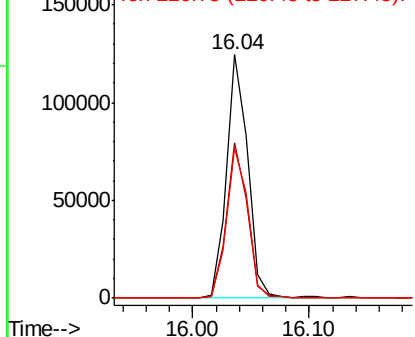


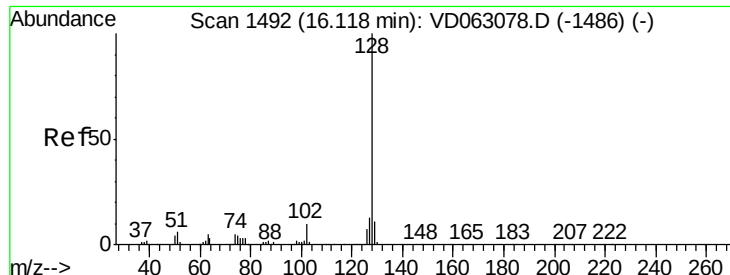
#94
 Hexachlorobutadiene
 Concen: 14.791 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063134.D
 Acq: 17 Jul 2019 16:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.4	94.2
227	61.7	32.6	97.8



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





#95

Naphthalene

Concen: 15.009 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

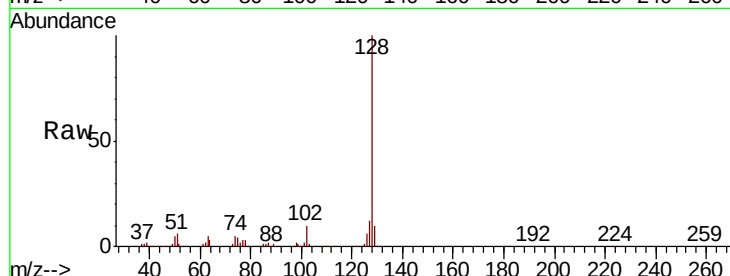
Tot Ion:128 Resp: 315018

Ion Ratio Lower Upper

128 100

127 12.3 10.7 16.1

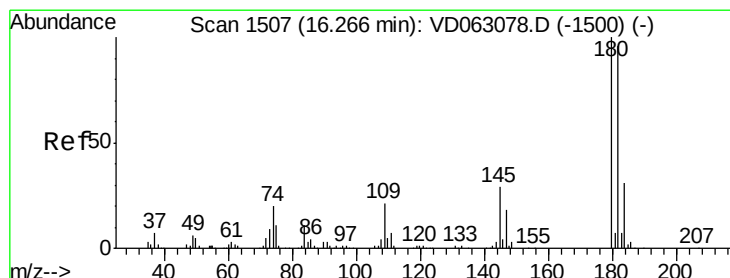
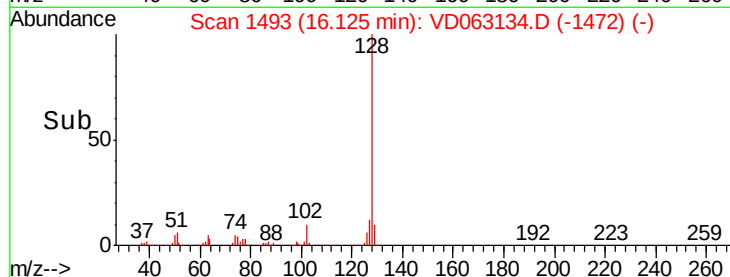
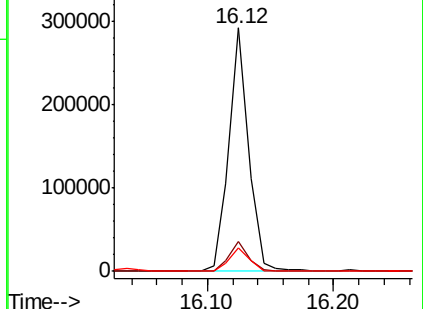
129 9.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 14.378 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD063134.D

Acq: 17 Jul 2019 16:30

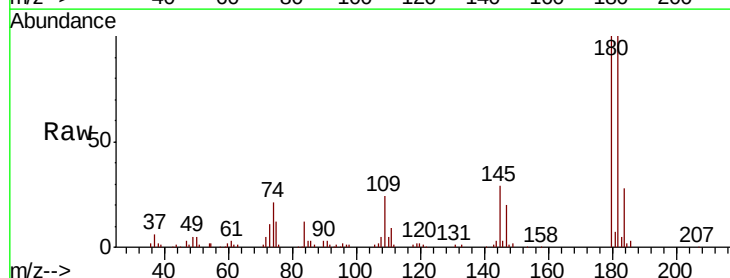
Tgt Ion:180 Resp: 165965

Ion Ratio Lower Upper

180 100

182 99.7 47.9 143.6

145 29.4 14.4 43.4



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

