

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063144.D
 Acq On : 17 Jul 2019 21:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:59:44 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	7.04	168	578642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	768311	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	714335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	363498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	373196	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	6.92	113	389459	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.40	98	832650	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	13.55	95	396602	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	348004	56.194	ug/l	98
3) Chloromethane	1.73	50	274064	52.494	ug/l	95
4) Vinyl Chloride	1.83	62	294974	47.763	ug/l	98
5) Bromomethane	2.13	94	144463	62.161	ug/l	96
6) Chloroethane	2.25	64	141665	49.382	ug/l	89
7) Trichlorofluoromethane	2.52	101	667473	53.390	ug/l	98
8) Diethyl Ether	2.85	74	91234	51.878	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	356718	49.484	ug/l	96
10) Methyl Iodide	3.29	142	457127	51.653	ug/l	96
11) Tert butyl alcohol	4.06	59	109181	262.462	ug/l #	85
12) 1,1-Dichloroethene	3.11	96	259015	50.598	ug/l	92
13) Acrolein	3.02	56	22002	175.243	ug/l	86
14) Allyl chloride	3.60	41	398252	49.501	ug/l	93
15) Acrylonitrile	4.18	53	242874	264.124	ug/l	96
16) Acetone	3.21	43	445945	256.148	ug/l	99
17) Carbon Disulfide	3.35	76	658000	44.907	ug/l	98
18) Methyl Acetate	3.63	43	141132	60.612	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	627568	48.565	ug/l	99
20) Methylene Chloride	3.80	84	292072	44.406	ug/l	99
21) trans-1,2-Dichloroethene	4.20	96	269436	47.413	ug/l	95
22) Diisopropyl ether	5.11	45	913922	52.248	ug/l	94
23) Vinyl Acetate	5.04	43	2955037	289.564	ug/l	99
24) 1,1-Dichloroethane	4.97	63	553071	51.330	ug/l #	97
25) 2-Butanone	6.06	43	460541	277.020	ug/l	95
26) 2,2-Dichloropropane	6.01	77	591922	49.638	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	337860	52.265	ug/l	86
28) Bromochloromethane	6.43	49	195475	50.006	ug/l	95
29) Tetrahydrofuran	6.45	42	222191	294.834	ug/l	99
30) Chloroform	6.65	83	746024	56.219	ug/l	97
31) Cyclohexane	6.95	56	332495	48.455	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	746347	57.037	ug/l	95
36) 1,1-Dichloropropene	7.13	75	462274	53.497	ug/l	95
37) Ethyl Acetate	6.18	43	210863	57.019	ug/l #	91
38) Carbon Tetrachloride	7.09	117	777762	59.234	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	378028	50.603	ug/l	95
40) Benzene	7.44	78	978750	54.081	ug/l	99
41) Methacrylonitrile	6.45	41	288096	57.461	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	552224	57.273	ug/l	97
43) Isopropyl Acetate	9.23	43	297617	56.146	ug/l	97
44) Trichloroethene	8.53	130	376982	53.899	ug/l	92
45) 1,2-Dichloropropane	8.93	63	232399	51.505	ug/l	98
46) Dibromomethane	9.05	93	218032	56.231	ug/l	94
47) Bromodichloromethane	9.37	83	559830	55.329	ug/l	97
48) Methyl methacrylate	9.11	41	201595	57.913	ug/l	95
49) 1,4-Dioxane	9.07	88	38390	1278.783	ug/l #	79
51) 4-Methyl-2-Pentanone	10.29	43	1054247	299.864	ug/l	94
52) Toluene	10.50	92	641547	53.085	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	464520	53.585	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	482987	53.884	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	239287	57.294	ug/l	98
56) Ethyl methacrylate	11.03	69	242167	51.896	ug/l	95
57) 1,3-Dichloropropane	11.40	76	367652	57.852	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.85	63	642105	247.129	ug/l	98
59) 2-Hexanone	11.52	43	806831	297.572	ug/l	99
60) Dibromochloromethane	11.68	129	428462	53.519	ug/l	97
61) 1,2-Dibromoethane	11.80	107	285117	57.033	ug/l	99
64) Tetrachloroethene	11.25	164	349662	50.446	ug/l	99
65) Chlorobenzene	12.39	112	870244	51.825	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	390511	50.160	ug/l	96
67) Ethyl Benzene	12.52	91	1463547	50.162	ug/l	99
68) m/p-Xylenes	12.67	106	1064783	101.892	ug/l	99
69) o-Xylene	13.04	106	486781	49.125	ug/l	91
70) Styrene	13.07	104	816157	47.055	ug/l	98
71) Bromoform	13.23	173	298912	54.842	ug/l	97
73) Isopropylbenzene	13.40	105	1563269	55.688	ug/l	95
74) N-amyl acetate	13.26	43	397261	50.742	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.70	83	281342	55.084	ug/l	91
76) 1,2,3-Trichloropropane	13.73	75	299600	53.580	ug/l	95
77) Bromobenzene	13.67	156	417835	52.487	ug/l	97
78) n-propylbenzene	13.77	91	1735462	53.722	ug/l	98
79) 2-Chlorotoluene	13.84	91	996456	51.016	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1222894	49.983	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	79231	53.808	ug/l	97
82) 4-Chlorotoluene	13.95	91	1220817	53.525	ug/l	99
83) tert-Butylbenzene	14.18	119	1498646	54.173	ug/l	84
84) 1,2,4-Trimethylbenzene	14.23	105	1309244	53.676	ug/l	100
85) sec-Butylbenzene	14.36	105	1548254	52.675	ug/l	95
86) p-Isopropyltoluene	14.49	119	1404121	51.209	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	789597	55.540	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	716182	52.547	ug/l	99
89) n-Butylbenzene	14.79	91	1326398	52.483	ug/l	100
90) Hexachloroethane	15.00	117	413469	56.408	ug/l	68
91) 1,2-Dichlorobenzene	14.80	146	684268	54.052	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	52680	53.810	ug/l	94

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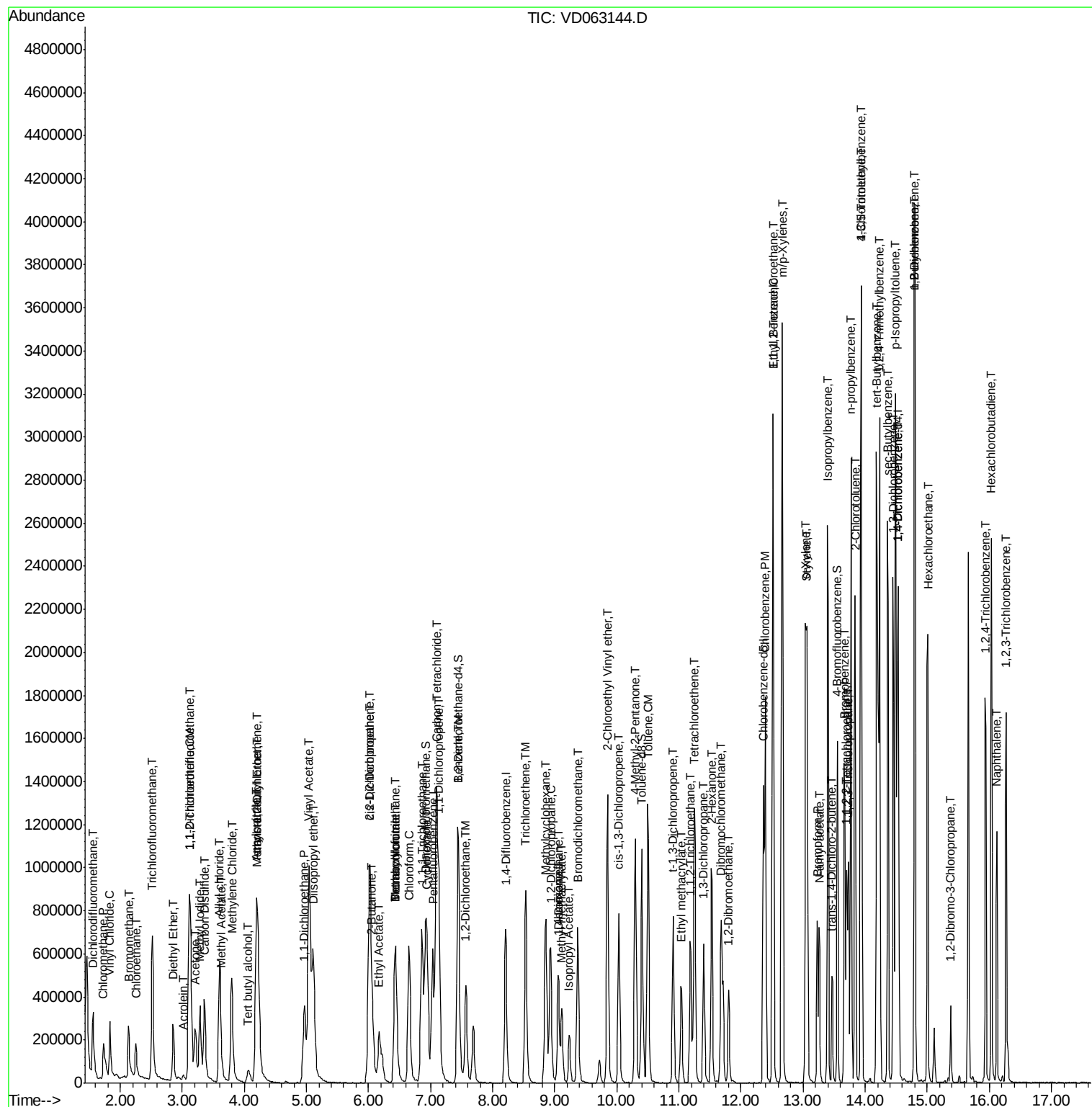
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	497930	52.354	ug/l	96
94) Hexachlorobutadiene	16.03	225	404160	57.652	ug/l	95
95) Naphthalene	16.12	128	740419	53.221	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	444848	58.143	ug/l	97

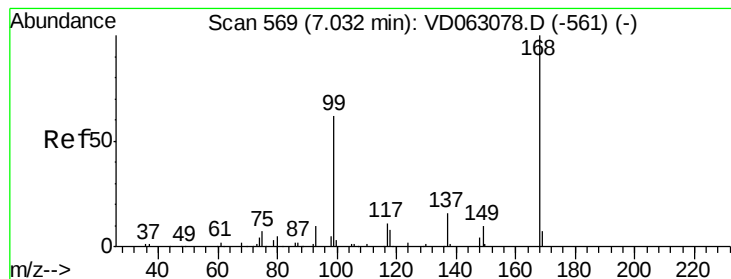
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

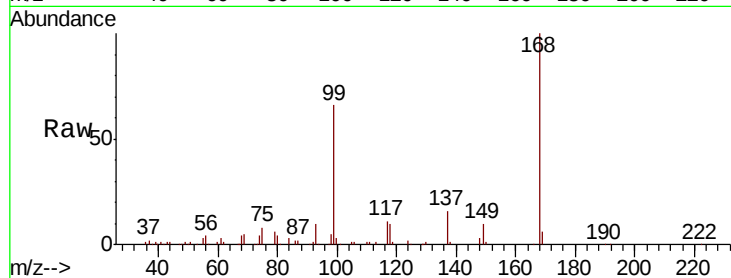
ClientSampleId :

Tot Ion:168 Resp: 578642

Ion Ratio Lower Upper

168 100

99 65.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

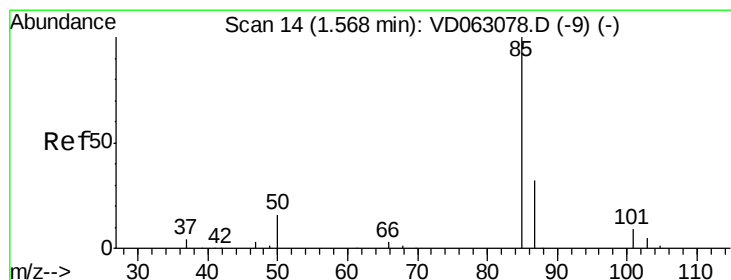
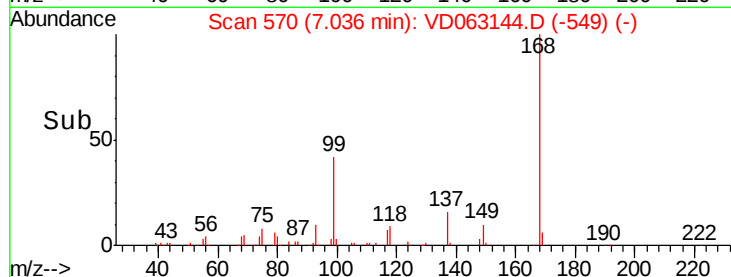
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.194 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063144.D

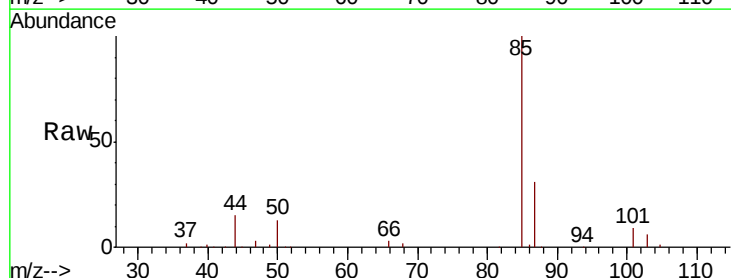
Acq: 17 Jul 2019 21:10

Tgt Ion: 85 Resp: 348004

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

200000

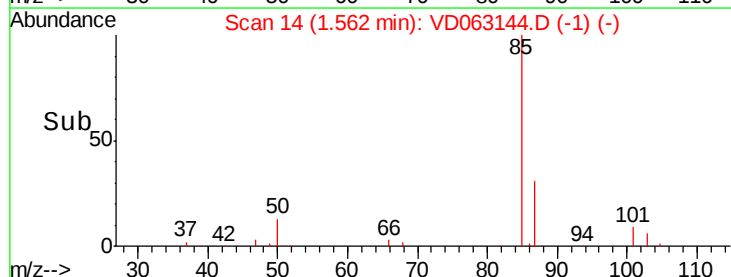
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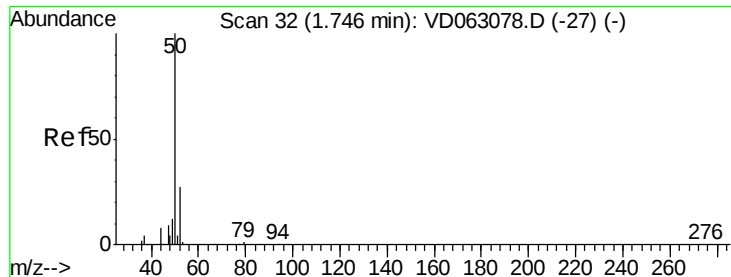
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.494 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

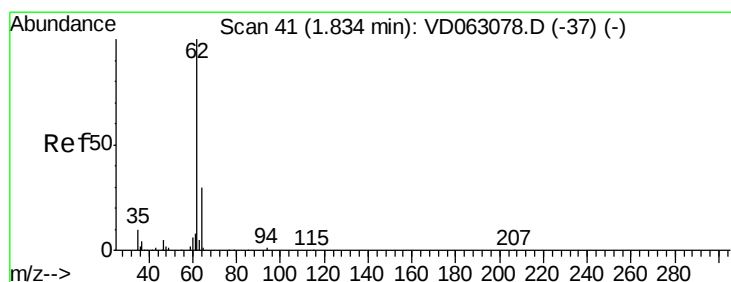
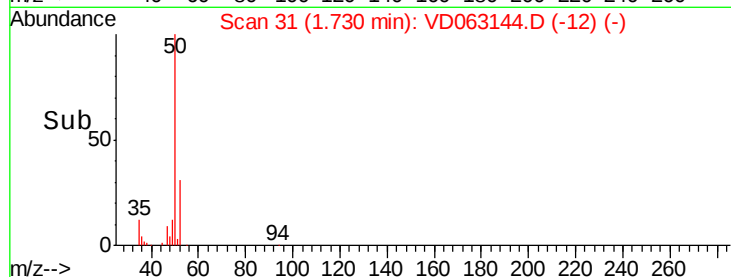
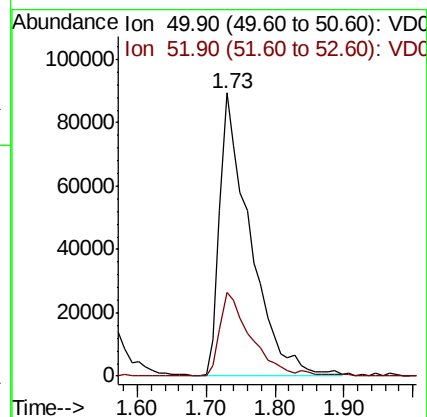
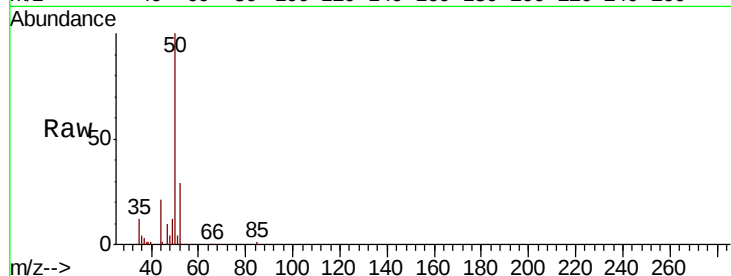
ClientSampleId :

Tot Ion: 50 Resp: 274064

Ion Ratio Lower Upper

50 100

52 29.5 21.4 32.2



#4

Vinyl Chloride

Concen: 47.763 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD063144.D

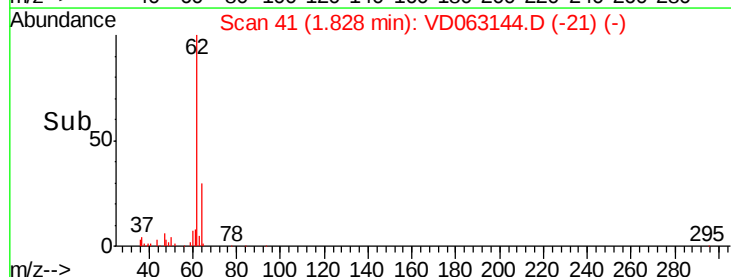
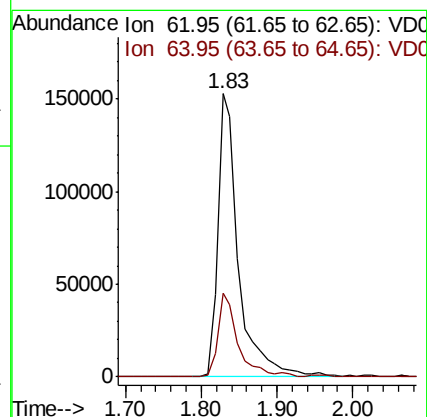
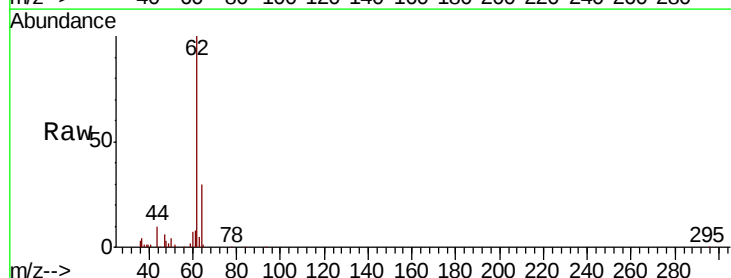
Acq: 17 Jul 2019 21:10

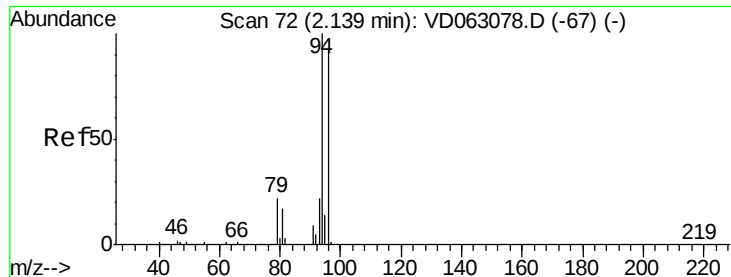
Tgt Ion: 62 Resp: 294974

Ion Ratio Lower Upper

62 100

64 29.6 24.4 36.6





#5

Bromomethane

Concen: 62.161 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

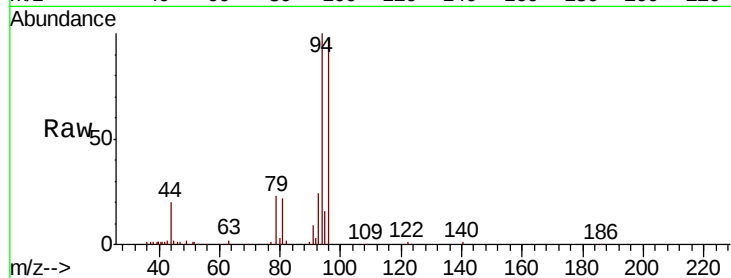
Tot Ion: 94 Resp: 144463

Ion Ratio Lower Upper

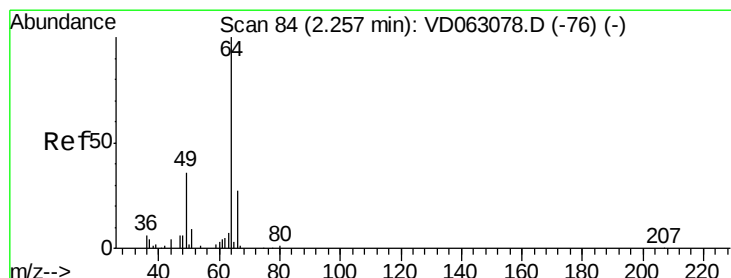
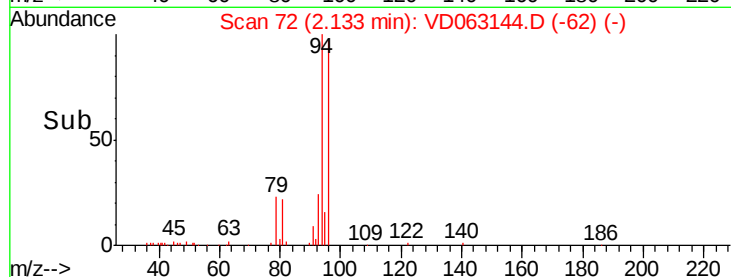
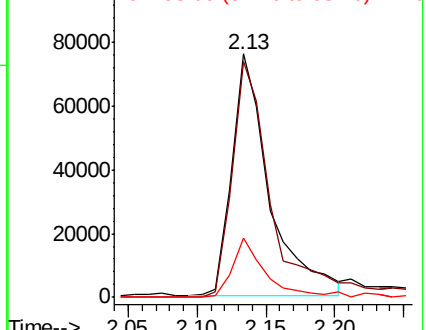
94 100

96 96.7 74.2 111.2

93 24.3 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 49.382 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063144.D

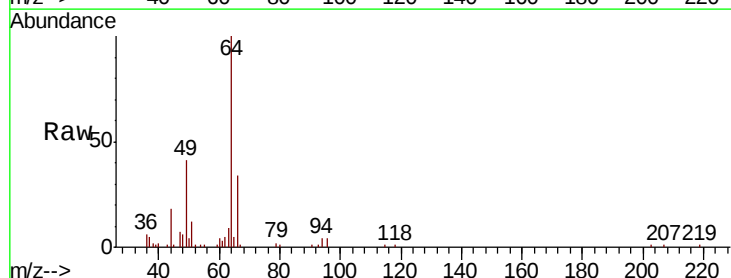
Acq: 17 Jul 2019 21:10

Tgt Ion: 64 Resp: 141665

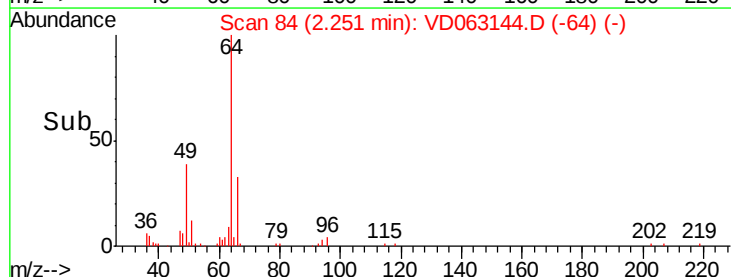
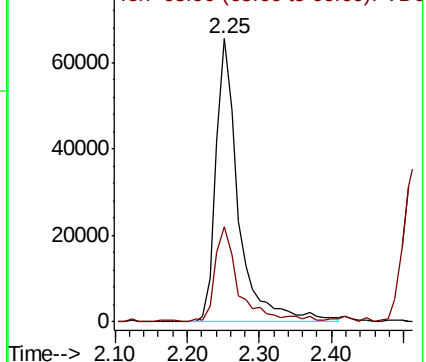
Ion Ratio Lower Upper

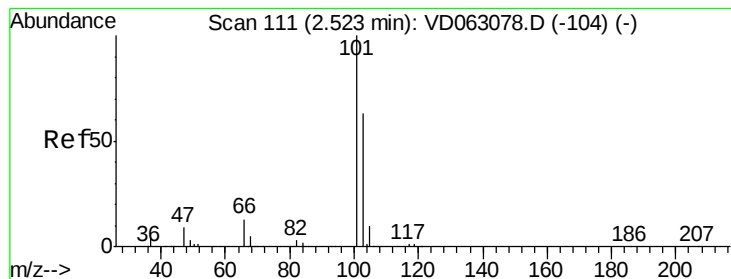
64 100

66 33.7 22.5 33.7



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



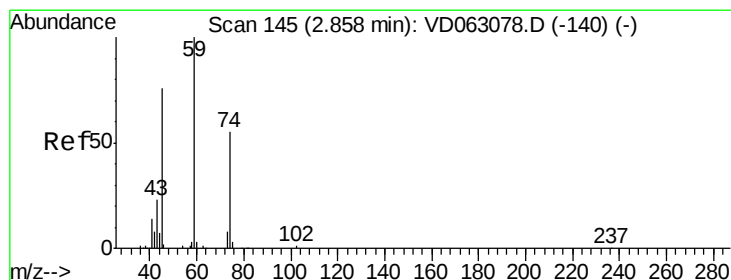
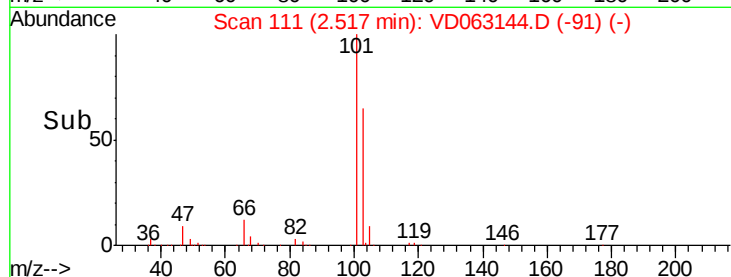
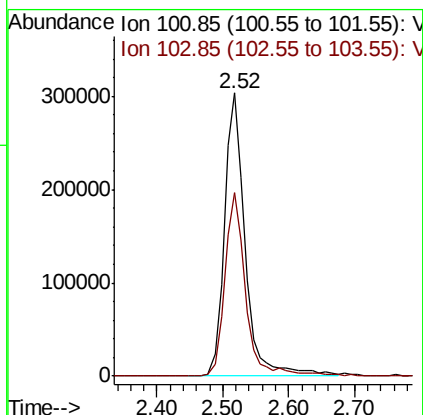
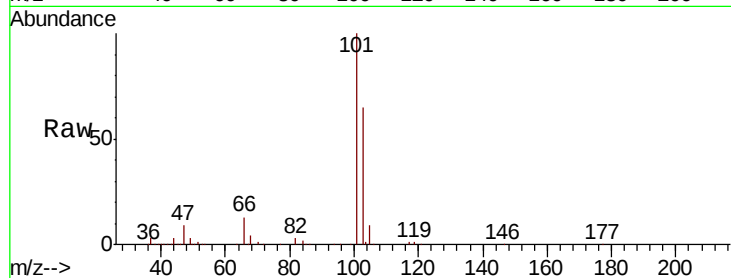


#7

Trichlorofluoromethane
 Concen: 53.390 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Instrument :
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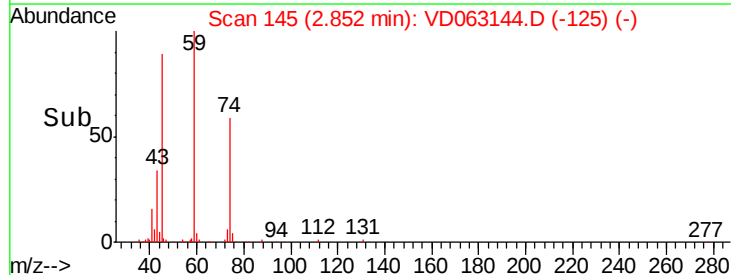
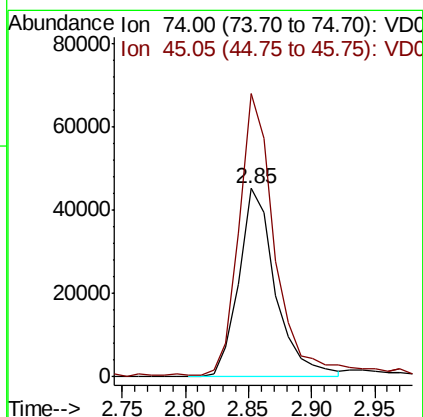
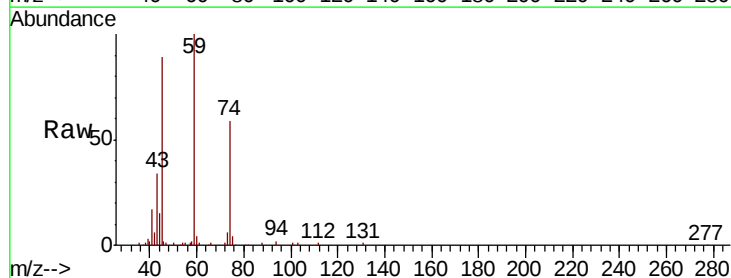
Tot Ion:101 Resp: 667473
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.6 76.0

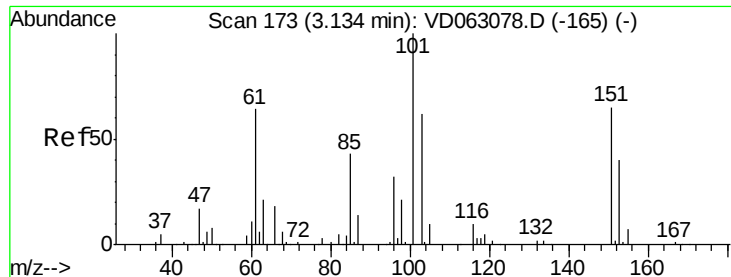


#8

Diethyl Ether
 Concen: 51.878 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.01 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion: 74 Resp: 91234
 Ion Ratio Lower Upper
 74 100
 45 150.5 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.484 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

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ClientSampleId :

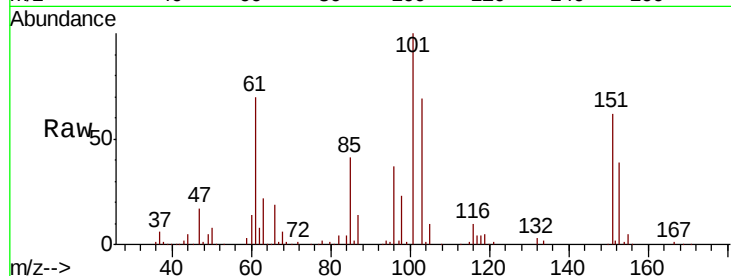
Tot Ion:101 Resp: 356718

Ion Ratio Lower Upper

101 100

85 41.5 34.6 51.8

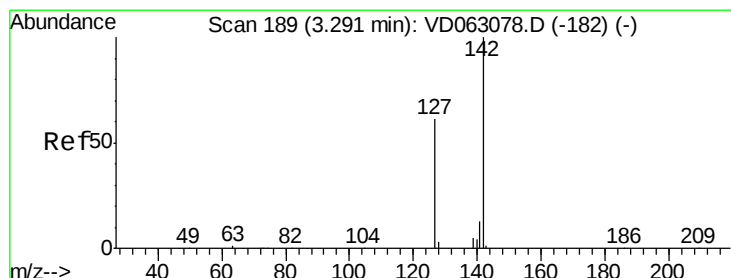
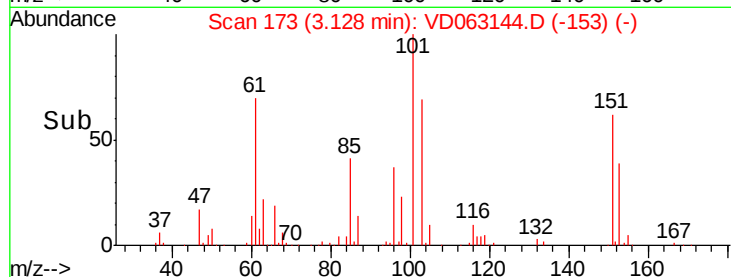
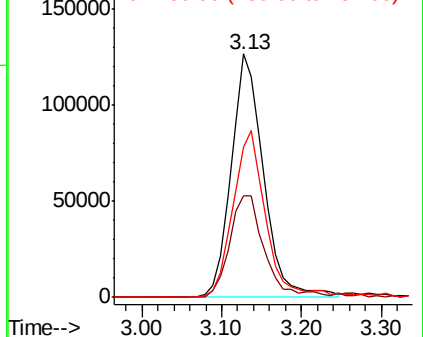
151 61.8 52.4 78.6



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: 51.653 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

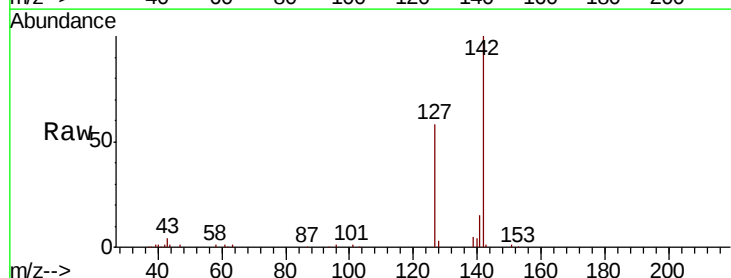
Tgt Ion:142 Resp: 457127

Ion Ratio Lower Upper

142 100

127 58.1 48.6 73.0

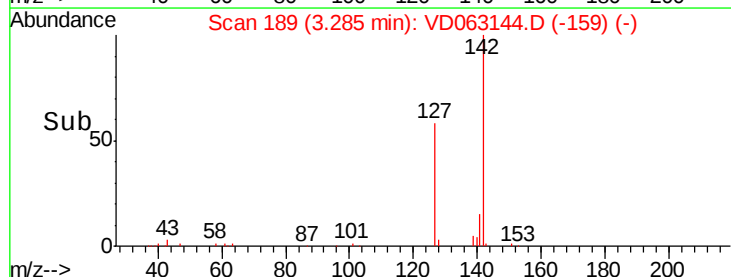
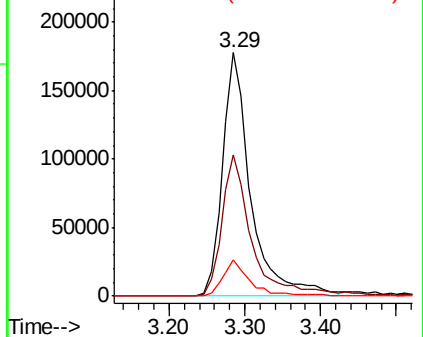
141 15.0 10.6 16.0

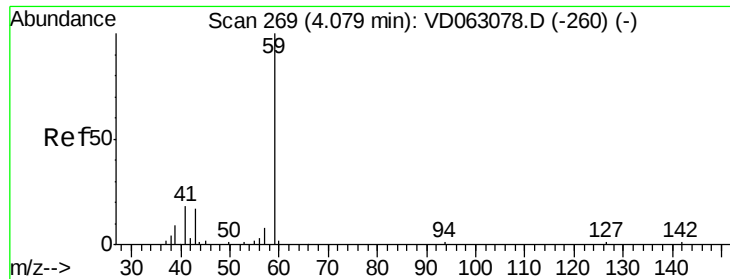


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

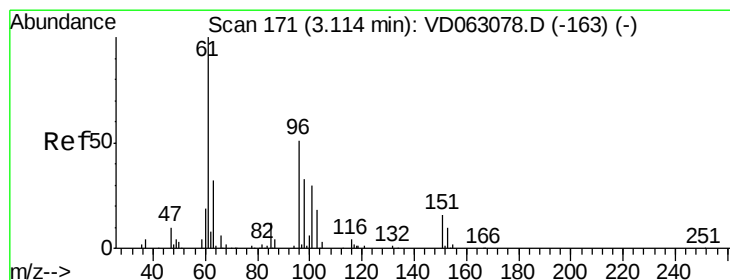
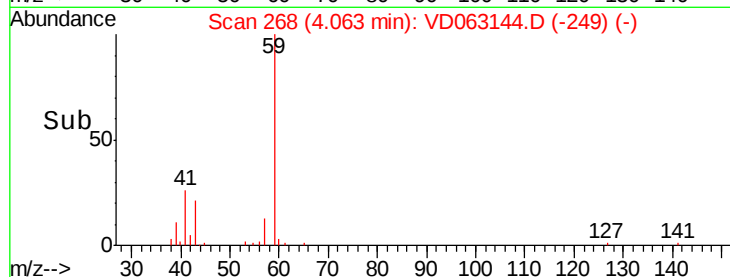
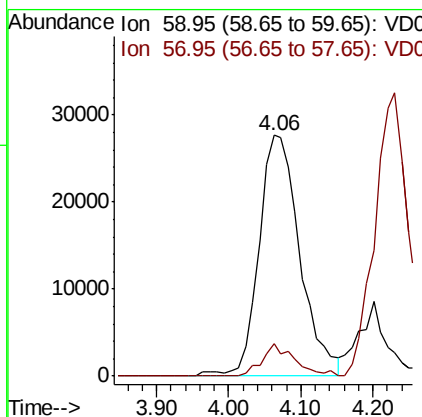
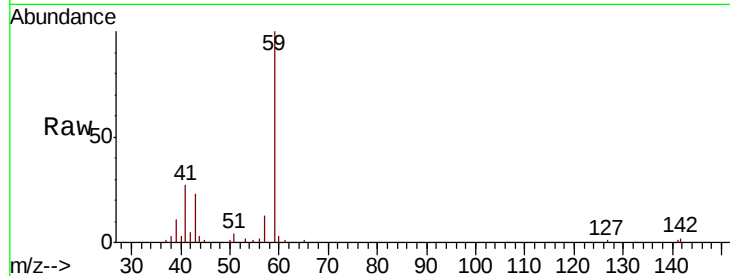




#11
Tert butyl alcohol
Concen: 262.462 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

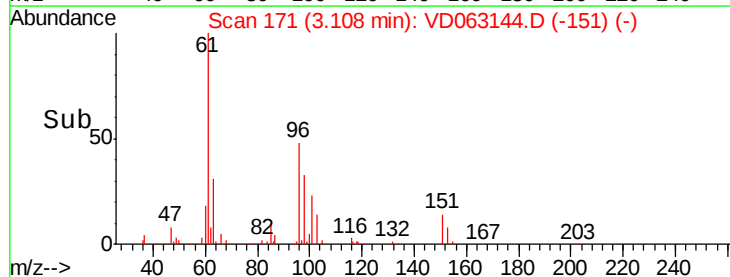
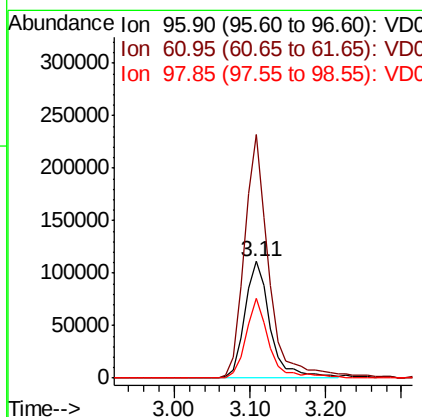
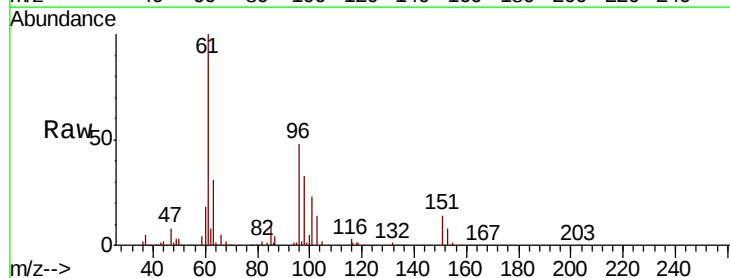
Instrument :
MSVOA_D
ClientSampleId :

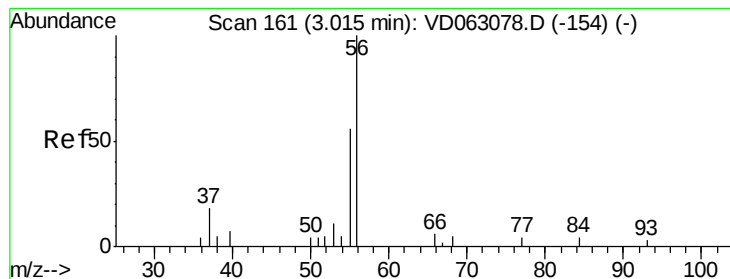
Tot Ion: 59 Resp: 109181
Ion Ratio Lower Upper
59 100
57 13.3 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 50.598 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 96 Resp: 259015
Ion Ratio Lower Upper
96 100
61 208.9 155.5 233.3
98 68.0 51.5 77.3





#13

Acrolein

Concen: 175.243 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

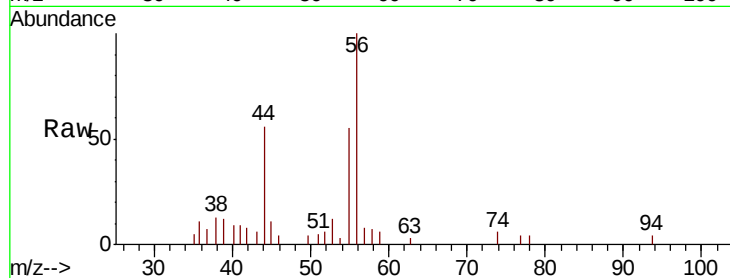
ClientSampleId :

Tot Ion: 56 Resp: 22002

Ion Ratio Lower Upper

56 100

55 55.3 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

12000

10000

8000

6000

4000

2000

0

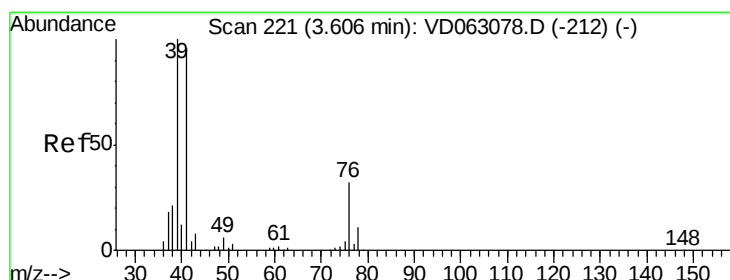
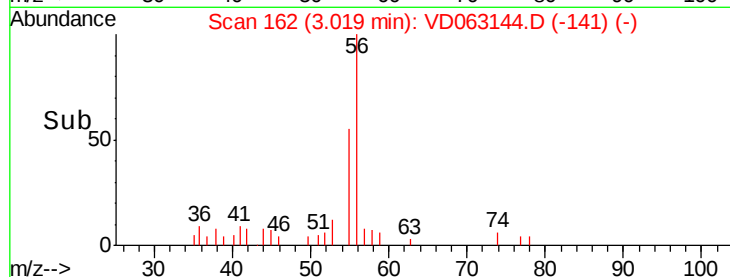
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 49.501 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

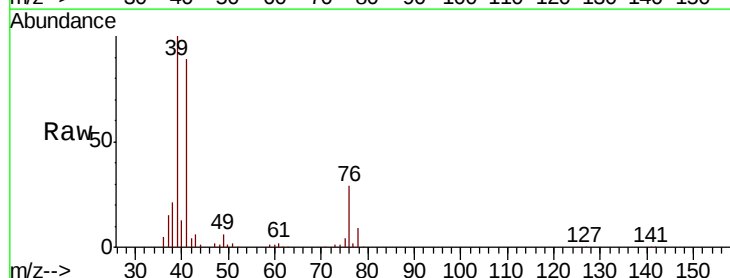
Tgt Ion: 41 Resp: 398252

Ion Ratio Lower Upper

41 100

39 112.9 83.5 125.3

76 33.2 27.8 41.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.60

200000

150000

100000

50000

0

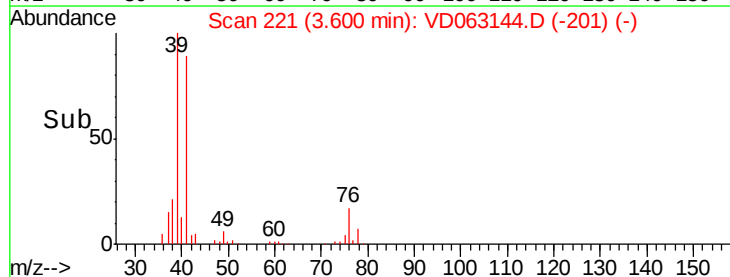
Time-->

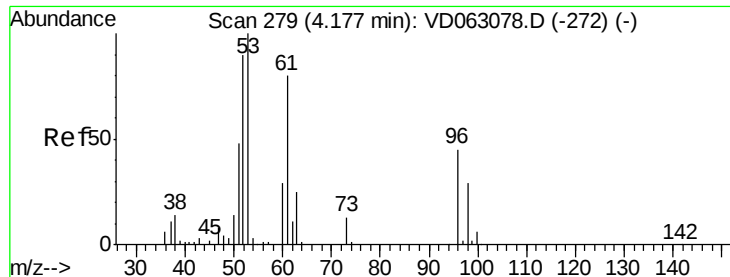
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 264.124 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampled :

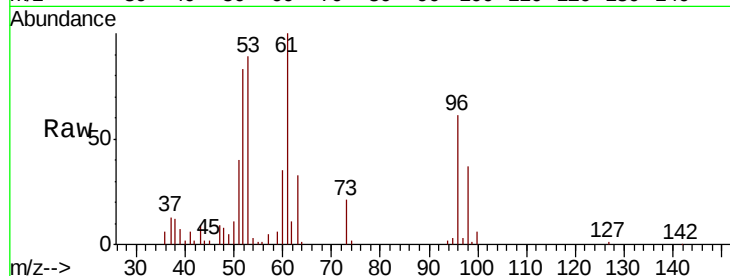
Tot Ion: 53 Resp: 242874

Ion Ratio Lower Upper

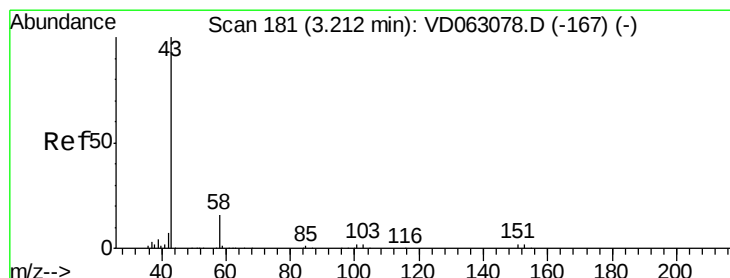
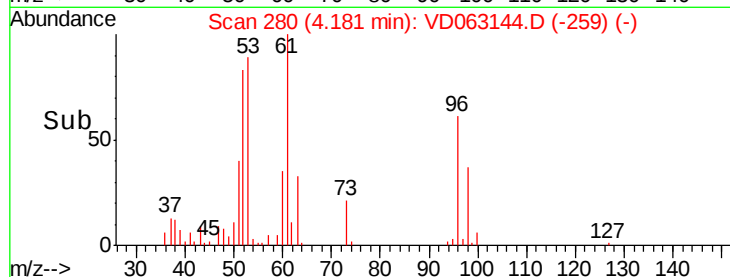
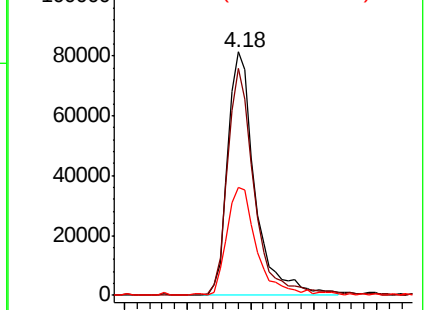
53 100

52 93.2 72.3 108.5

51 44.5 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: 256.148 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063144.D

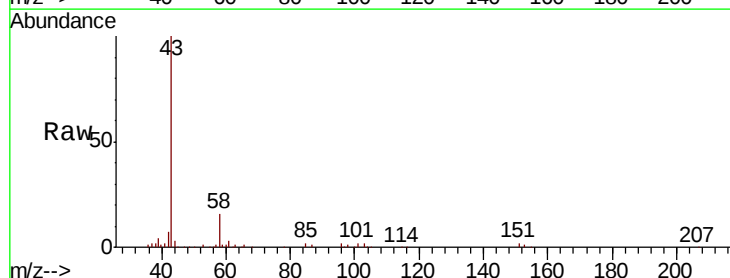
Acq: 17 Jul 2019 21:10

Tgt Ion: 43 Resp: 445945

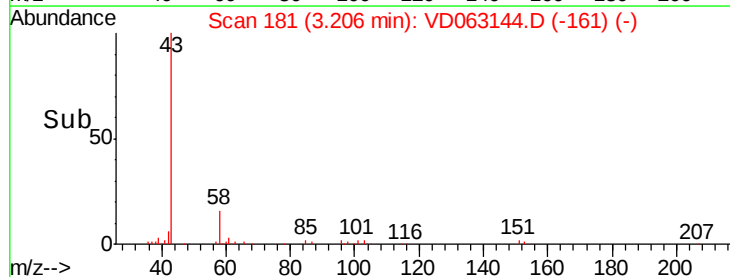
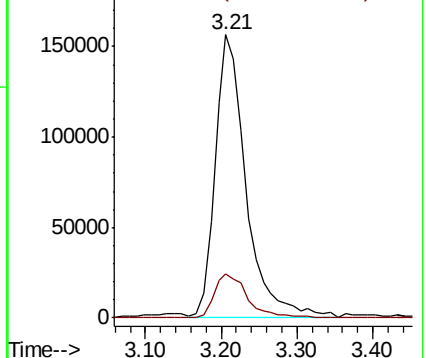
Ion Ratio Lower Upper

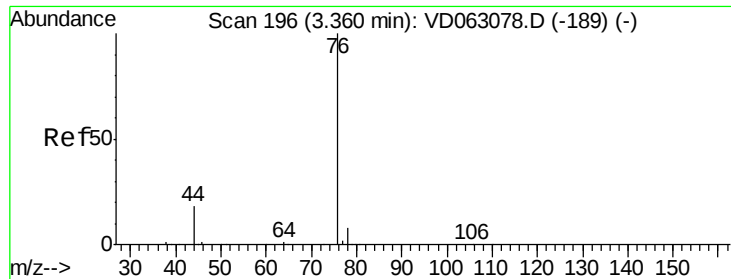
43 100

58 15.6 13.0 19.4



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

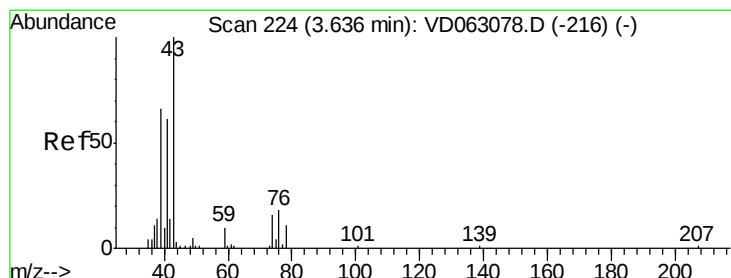
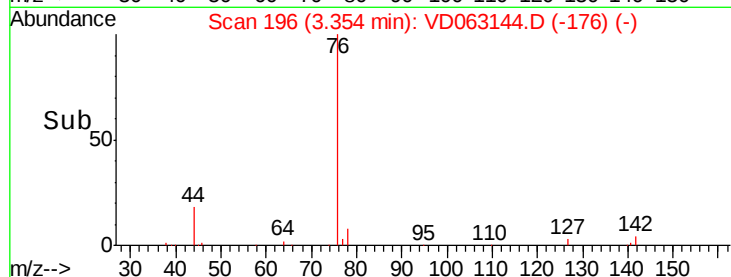
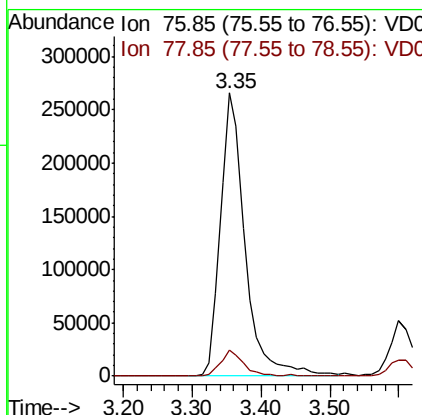
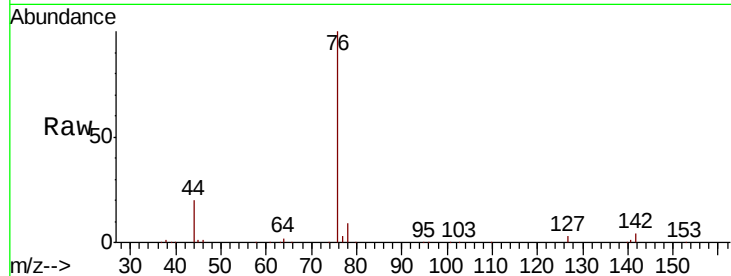




#17
Carbon Disulfide
Concen: 44.907 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

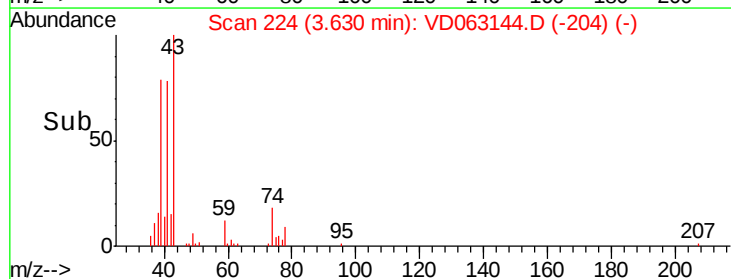
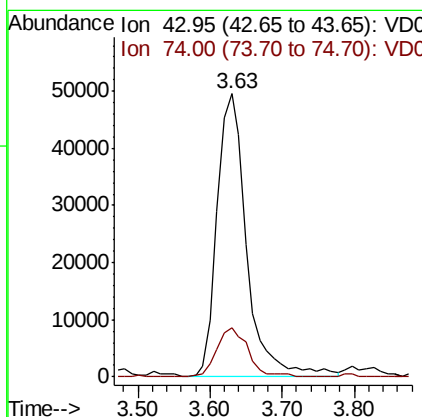
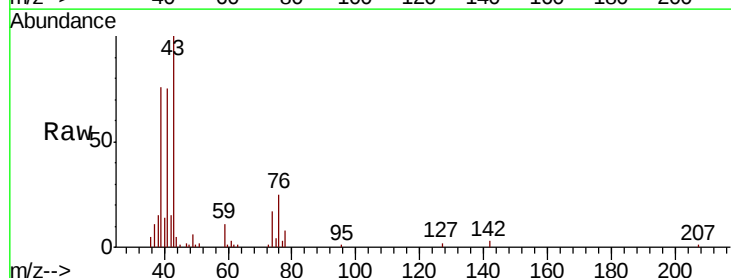
Instrument :
MSVOA_D
ClientSampleId :

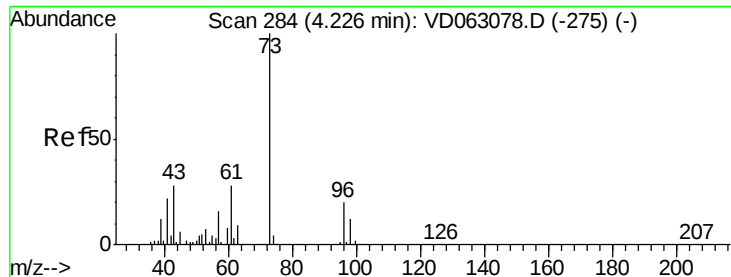
Tot Ion: 76 Resp: 658000
Ion Ratio Lower Upper
76 100
78 9.1 6.7 10.1



#18
Methyl Acetate
Concen: 60.612 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 43 Resp: 141132
Ion Ratio Lower Upper
43 100
74 17.4 12.5 18.7

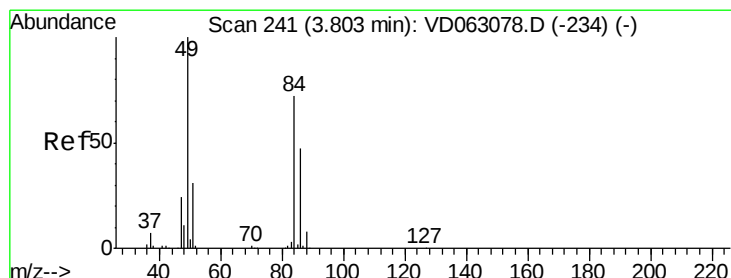
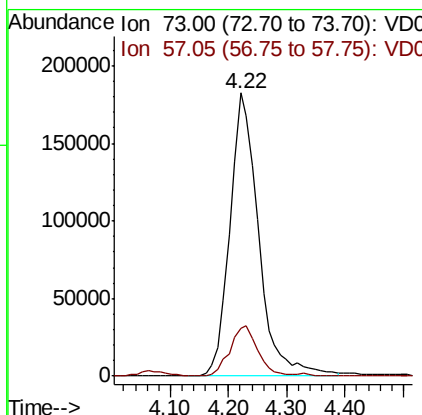
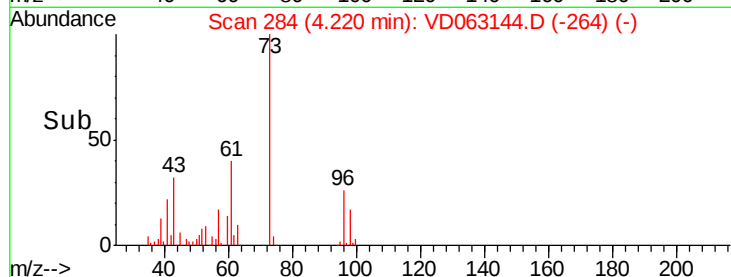
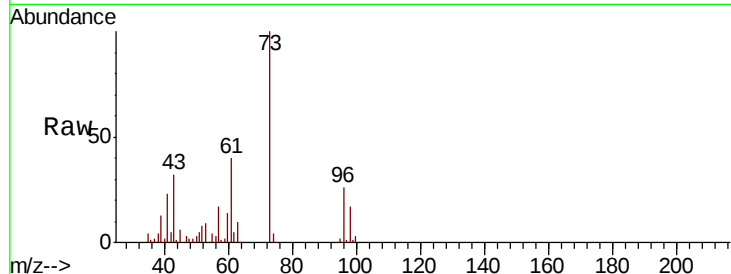




#19
Methvl tert-butvl Ether
Concen: 48.565 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

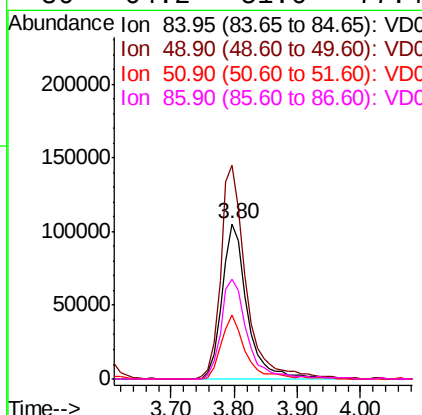
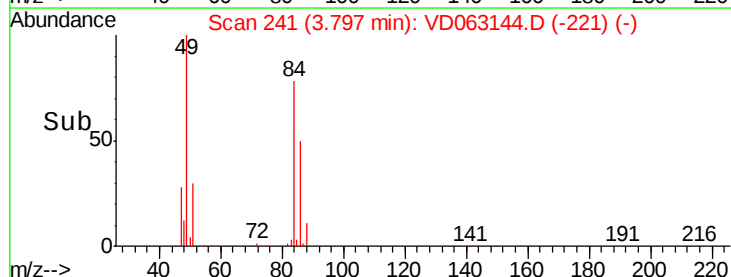
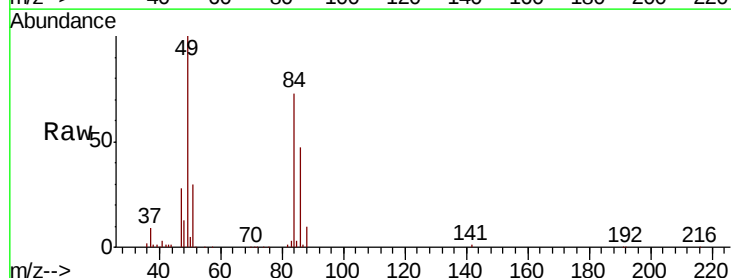
Instrument :
MSVOA_D
ClientSampleId :

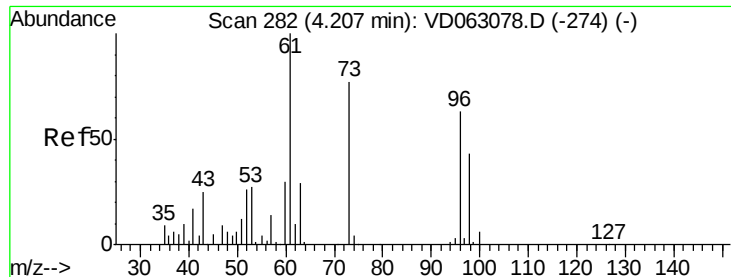
Tot Ion: 73 Resp: 627568
Ion Ratio Lower Upper
73 100
57 16.9 13.1 19.7



#20
Methylene Chloride
Concen: 44.406 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 84 Resp: 292072
Ion Ratio Lower Upper
84 100
49 137.6 110.5 165.7
51 41.5 34.6 51.8
86 64.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.413 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

ClientSampled :

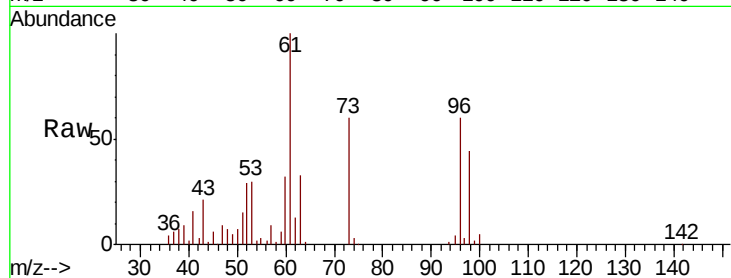
Tot Ion: 96 Resp: 269436

Ion Ratio Lower Upper

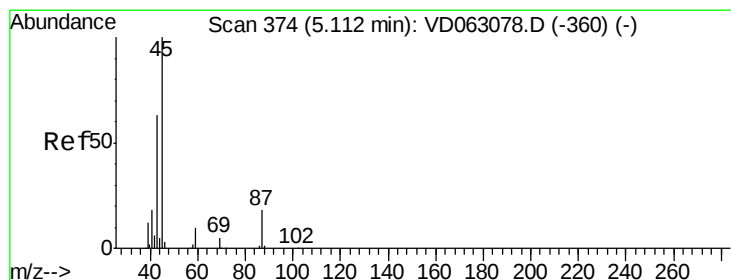
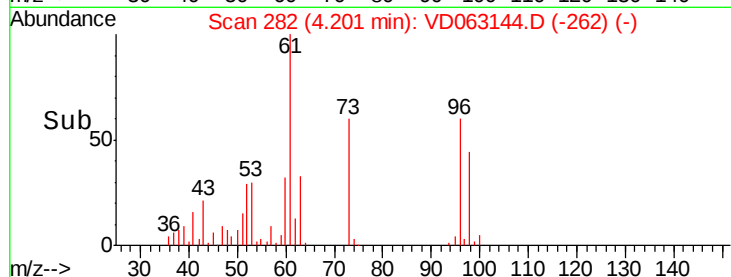
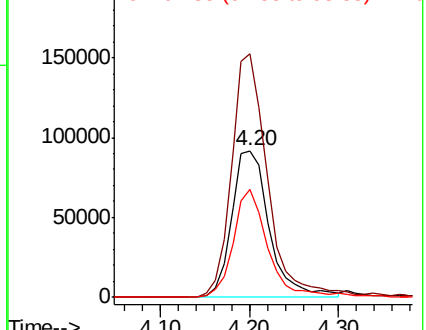
96 100

61 166.0 128.0 192.0

98 73.5 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: 52.248 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Tgt Ion: 45 Resp: 913922

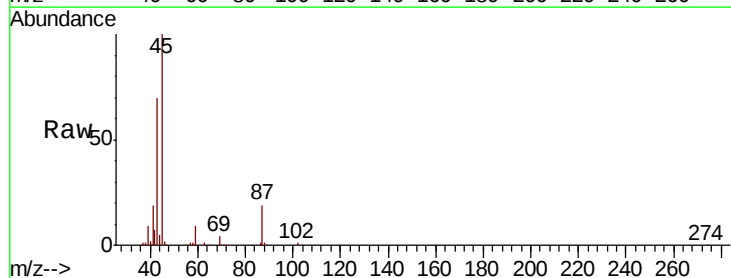
Ion Ratio Lower Upper

45 100

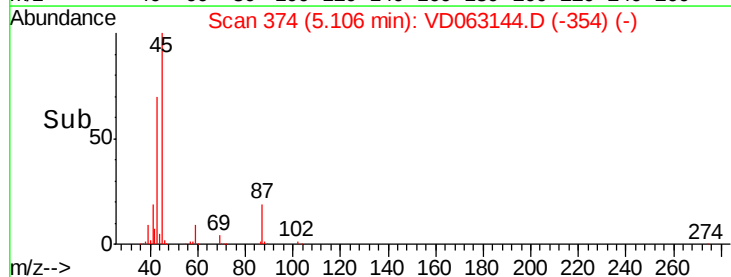
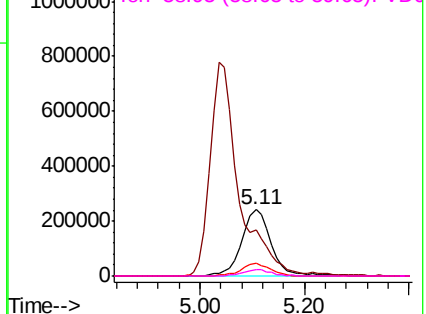
43 70.1 50.5 75.7

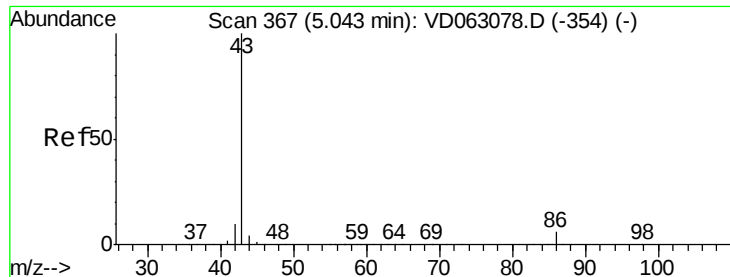
87 19.0 15.1 22.7

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: 289.564 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

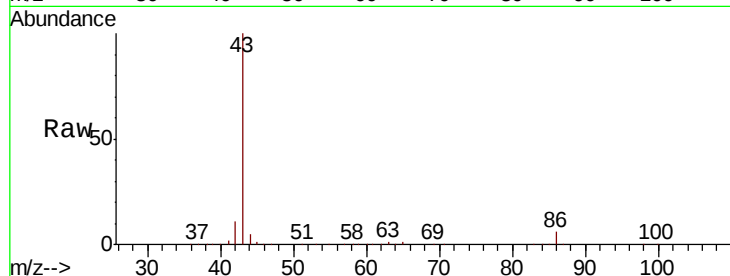
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2955037

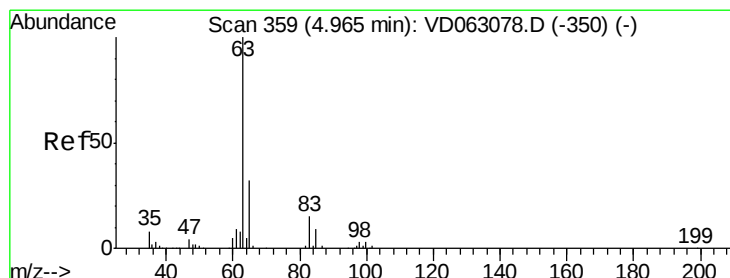
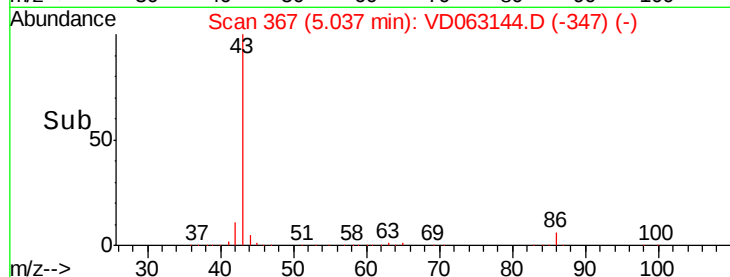
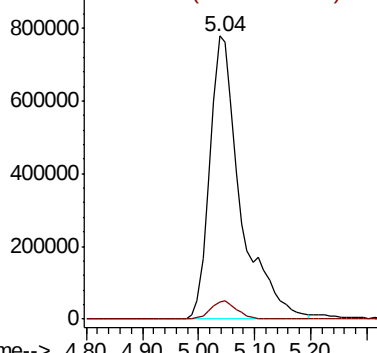
Ion Ratio Lower Upper

43 100

86 5.9 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: 51.330 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

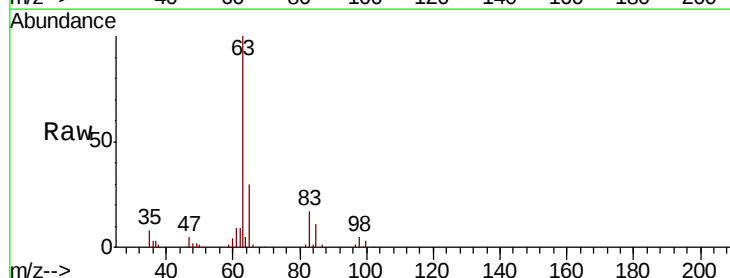
Tgt Ion: 63 Resp: 553071

Ion Ratio Lower Upper

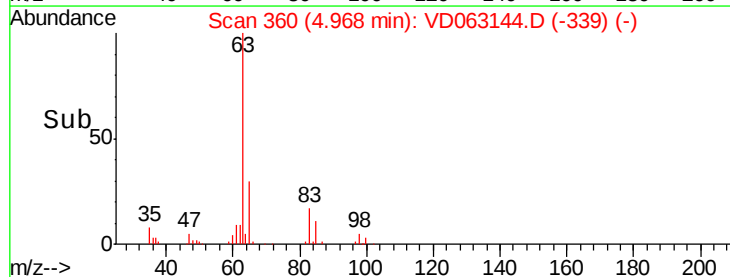
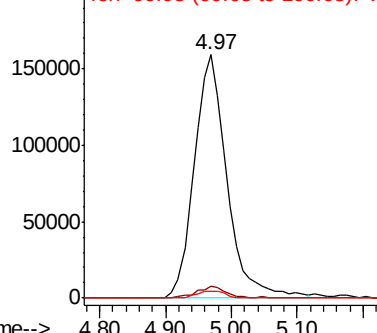
63 100

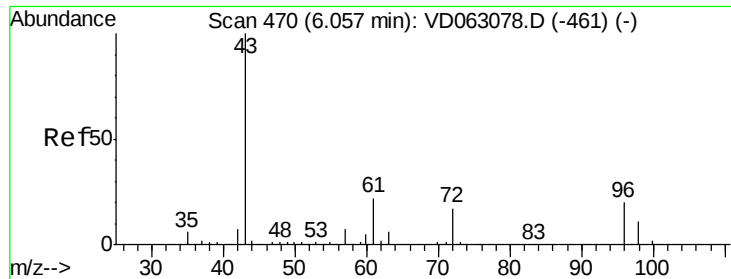
98 5.2 1.7 5.1#

100 2.8 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: 277.020 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

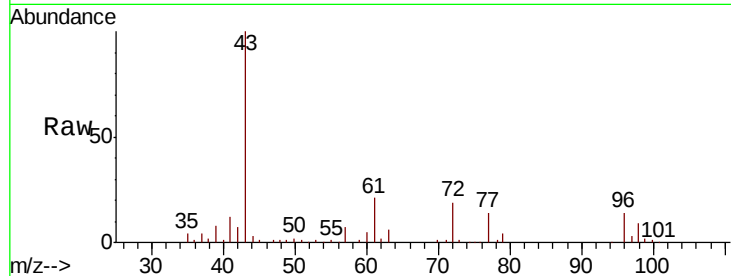
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 460541

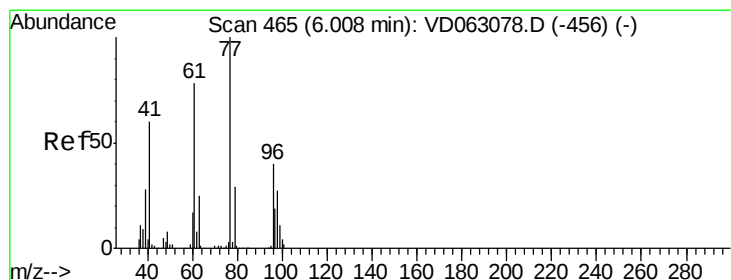
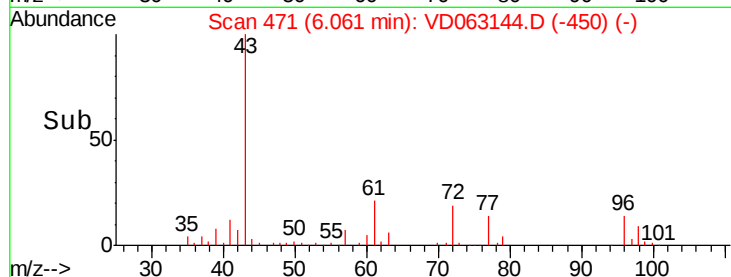
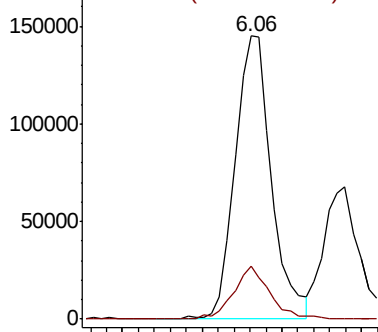
Ion Ratio Lower Upper

43 100

72 18.9 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.638 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063144.D

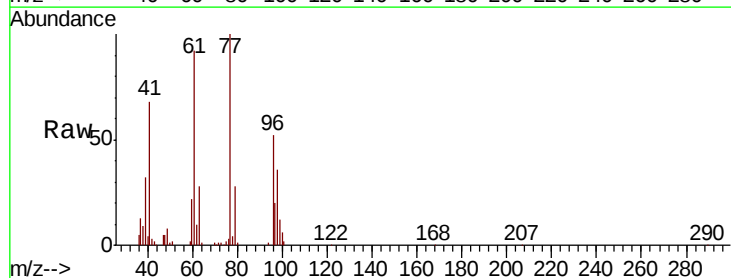
Acq: 17 Jul 2019 21:10

Tgt Ion: 77 Resp: 591922

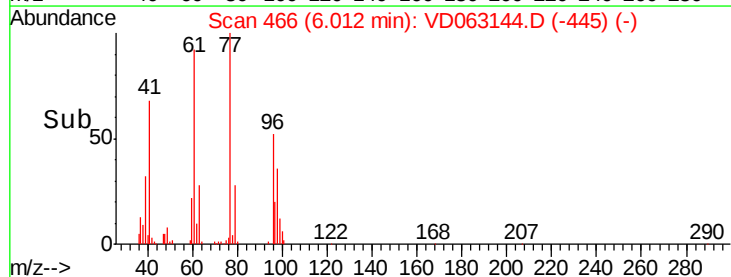
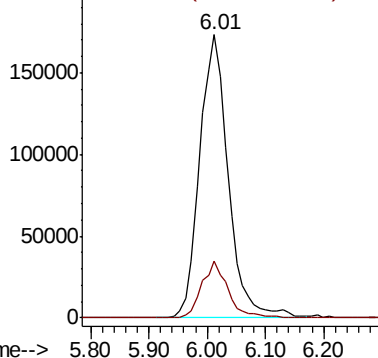
Ion Ratio Lower Upper

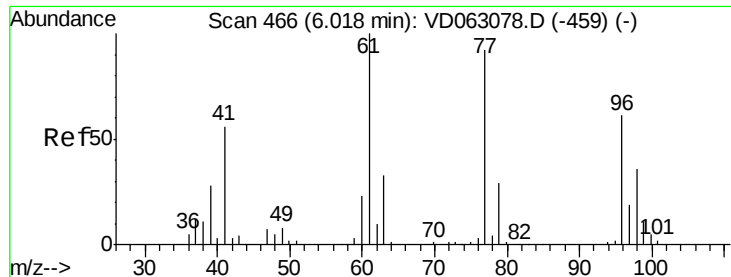
77 100

97 20.2 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



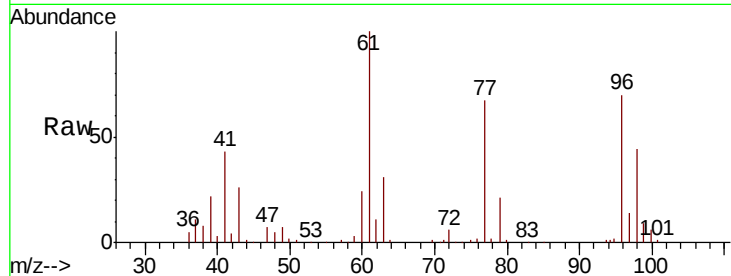


#27

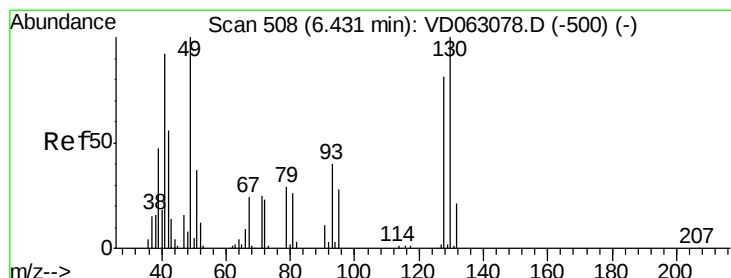
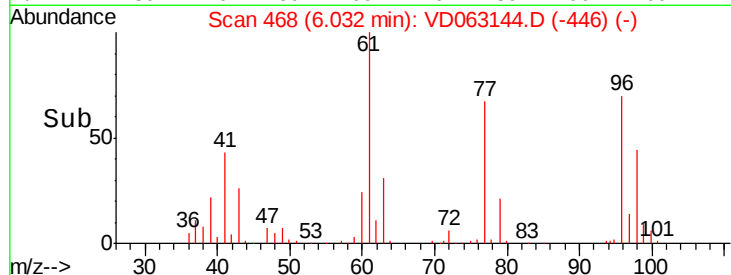
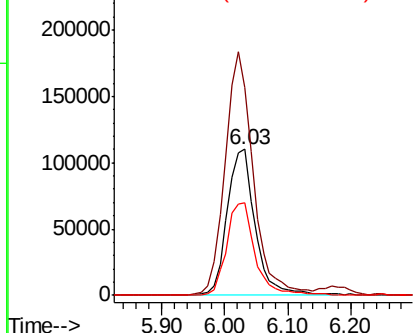
cis-1,2-Dichloroethene
 Concen: 52.265 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 337860
 Ion Ratio Lower Upper
 96 100
 61 142.5 0.0 329.6
 98 63.4 0.0 118.4



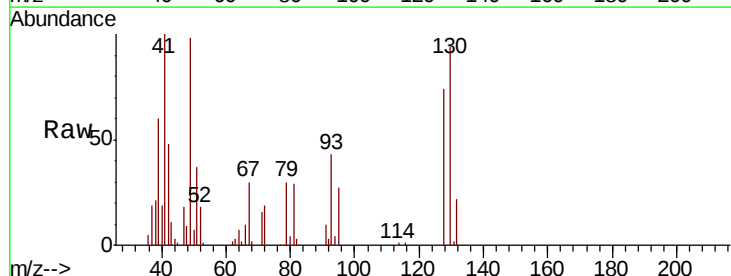
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



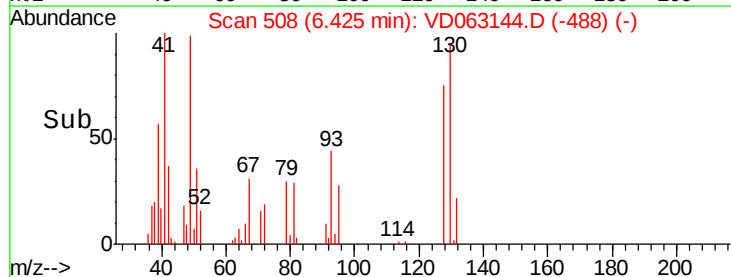
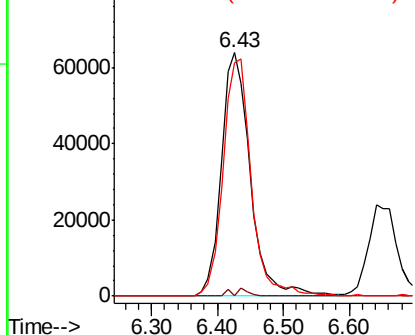
#28

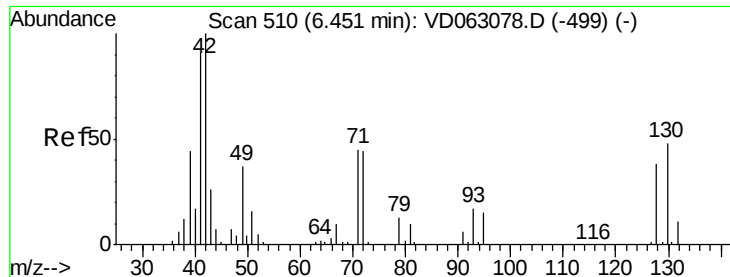
Bromochloromethane
 Concen: 50.006 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion: 49 Resp: 195475
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 95.8 80.3 120.5



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

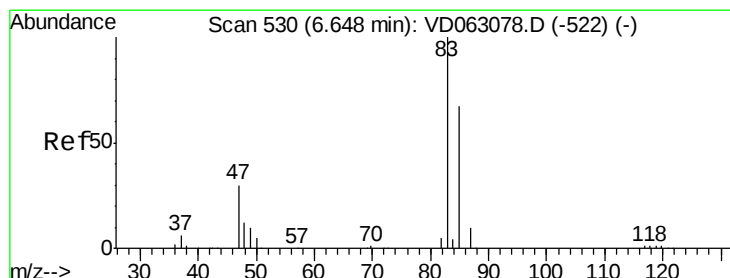
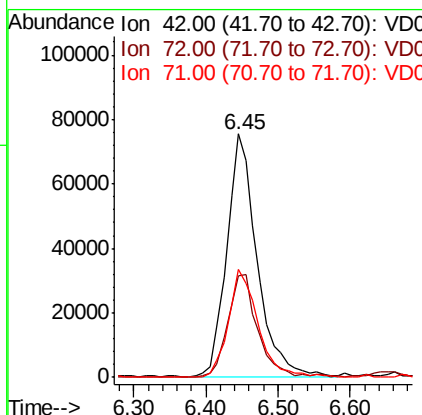
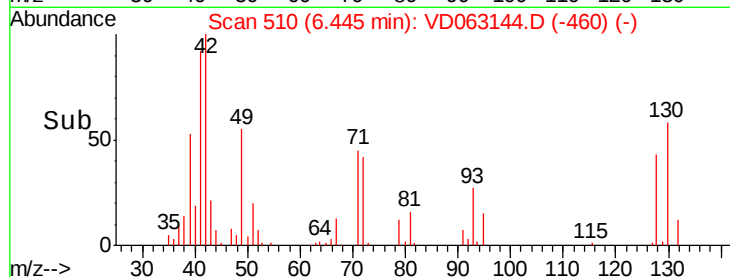
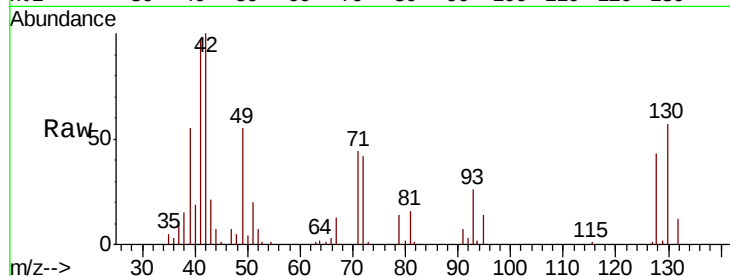




#29
Tetrahydrofuran
Concen: 294.834 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

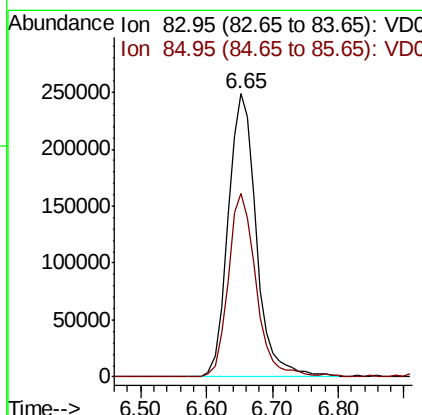
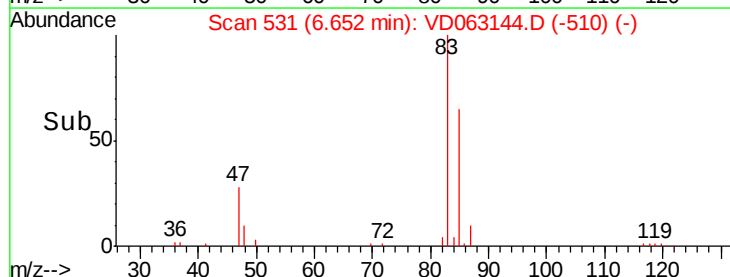
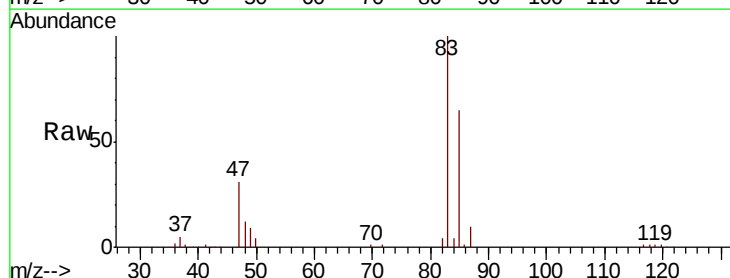
Instrument :
MSVOA_D
ClientSampleId :

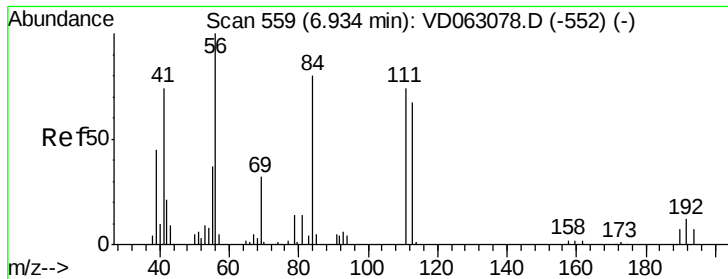
Tot Ion: 42 Resp: 222191
Ion Ratio Lower Upper
42 100
72 41.2 33.7 50.5
71 43.3 34.2 51.2



#30
Chloroform
Concen: 56.219 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 83 Resp: 746024
Ion Ratio Lower Upper
83 100
85 64.6 53.8 80.8

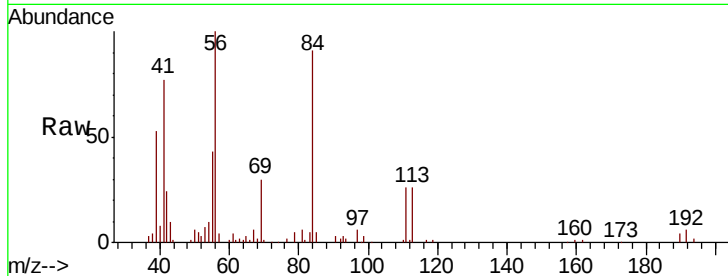




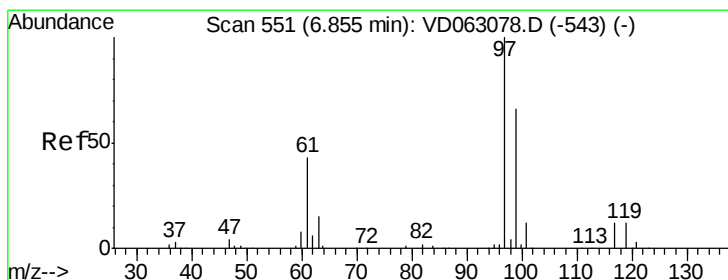
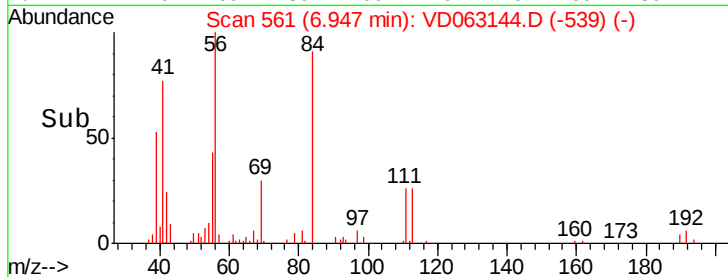
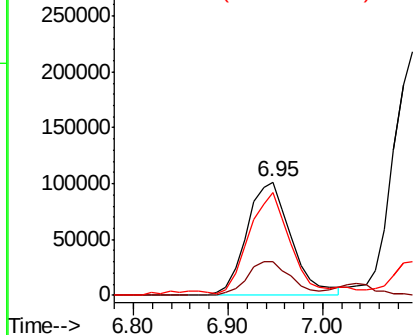
#31
Cyclohexane
Concen: 48.455 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 332495
Ion Ratio Lower Upper
56 100
69 29.9 25.3 37.9
84 91.0 64.2 96.4

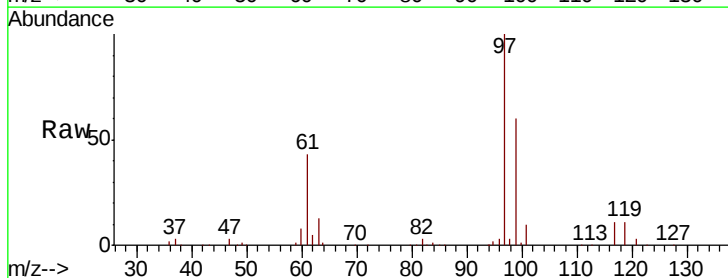


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

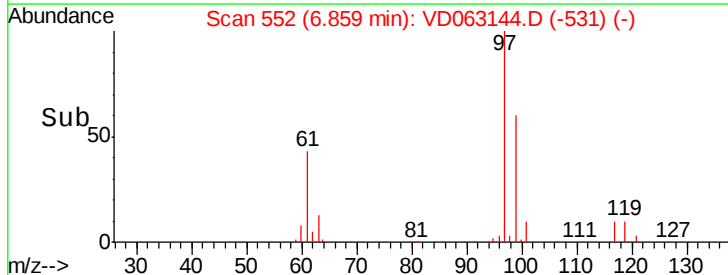
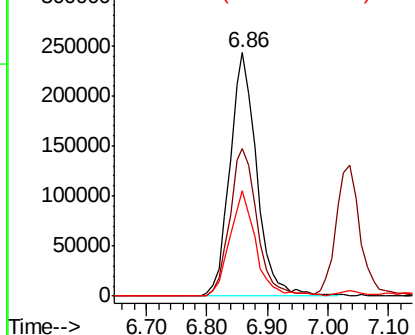


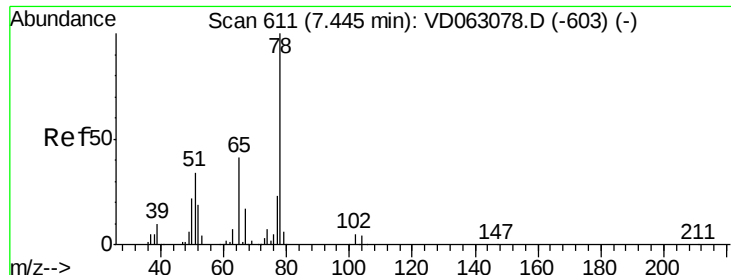
#32
1,1,1-Trichloroethane
Concen: 57.037 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 97 Resp: 746347
Ion Ratio Lower Upper
97 100
99 60.4 52.9 79.3
61 43.3 34.4 51.6



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

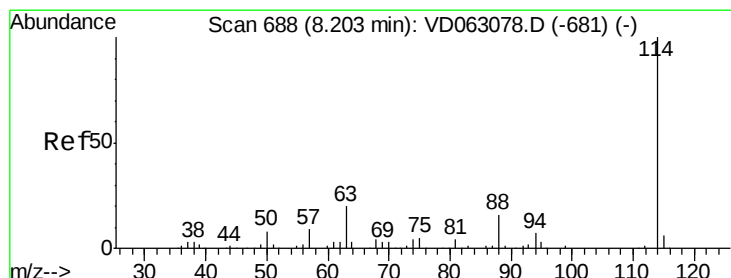
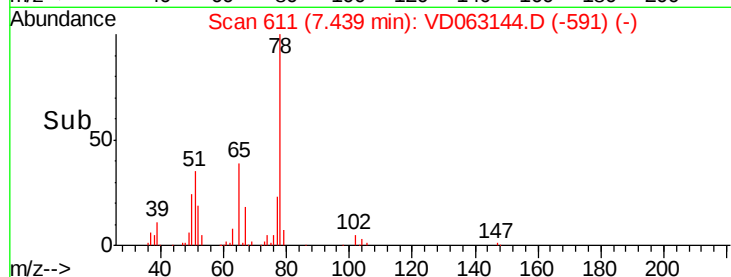
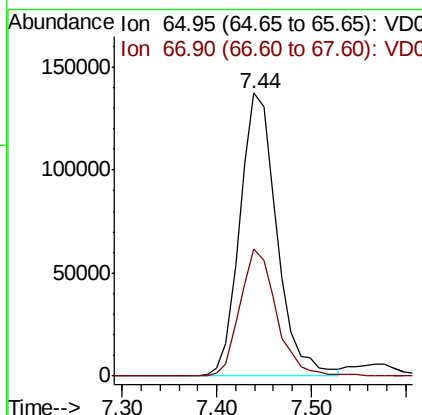
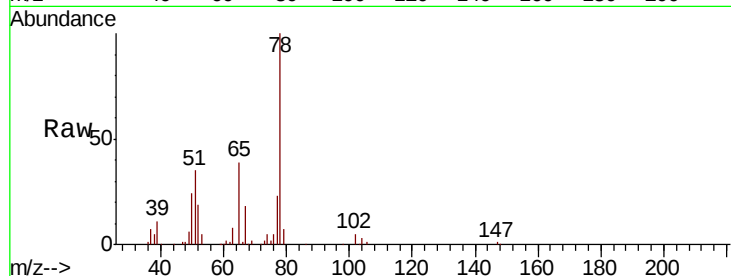




#33
 1,2-Dichloroethane-d4
 Concen: 51.775 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

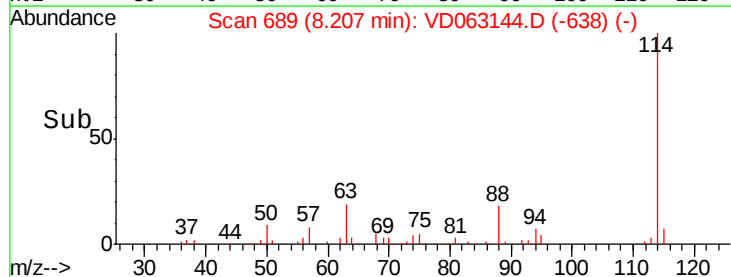
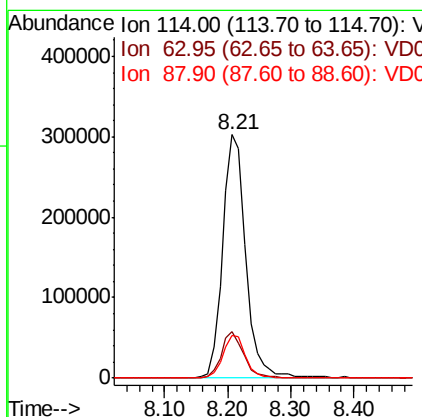
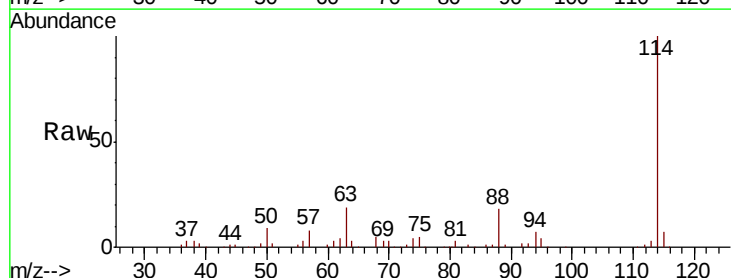
Instrument :
 MSVOA_D
 ClientSampleId :

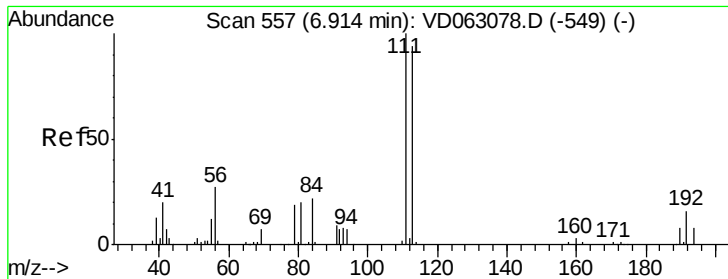
Tot Ion: 65 Resp: 373196
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion: 114 Resp: 768311
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.6
 88 17.6 0.0 32.6

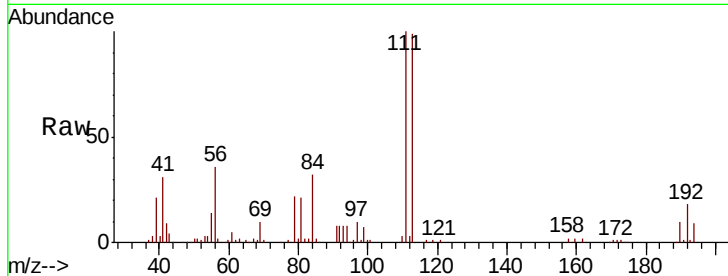




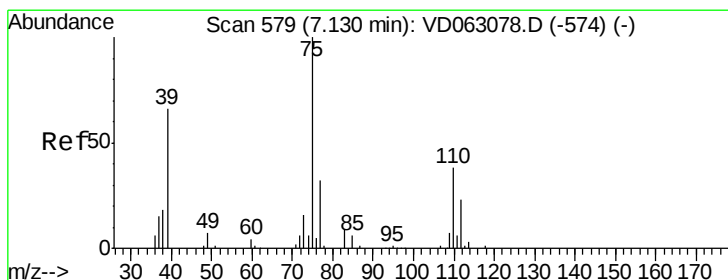
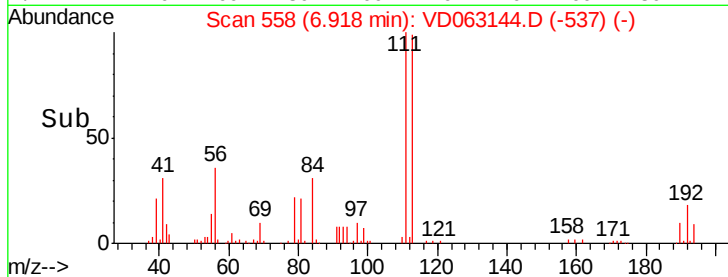
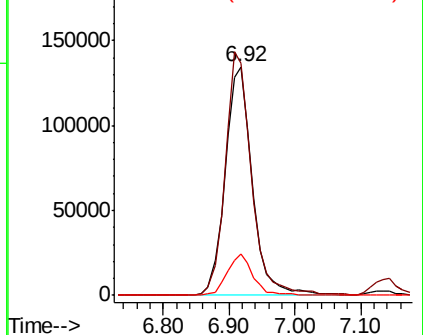
#35
 Dibromofluoromethane
 Concen: 50.893 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	84.8	127.2
192	18.3	13.4	20.0

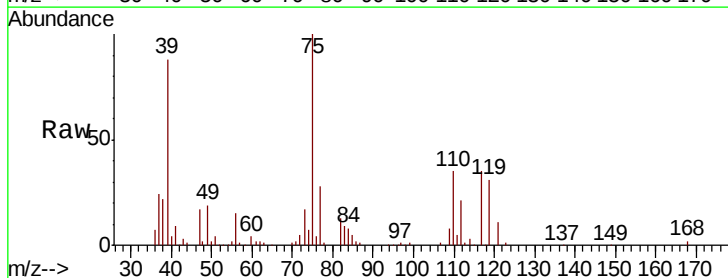


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

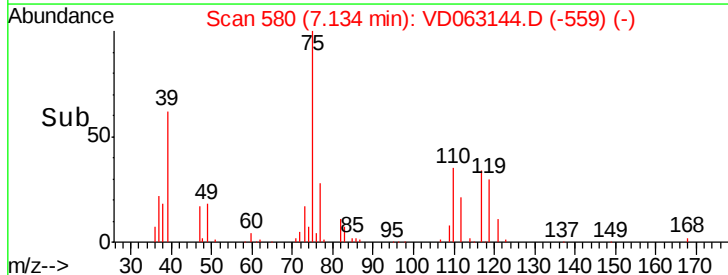
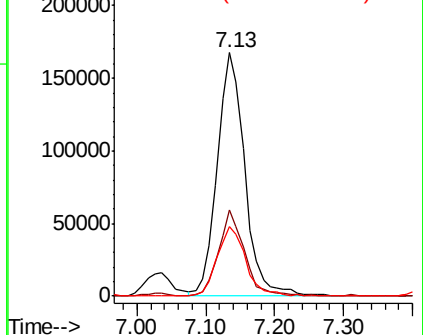


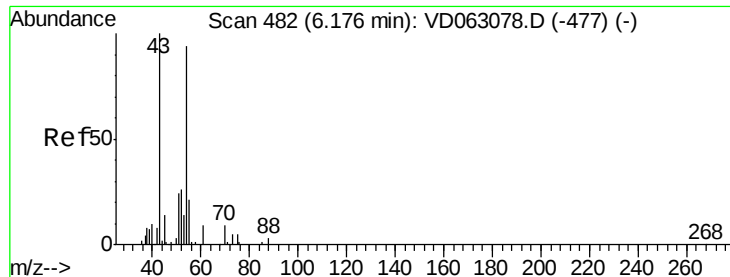
#36
 1,1-Dichloropropene
 Concen: 53.497 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.9	56.5
77	28.4	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

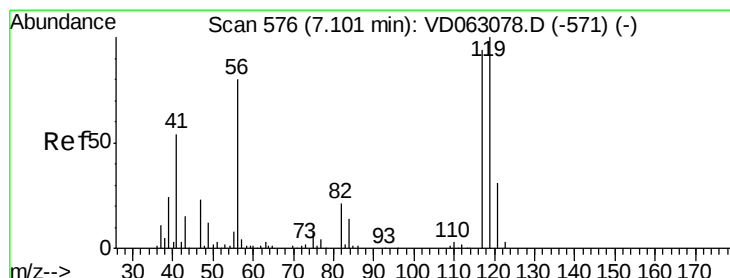
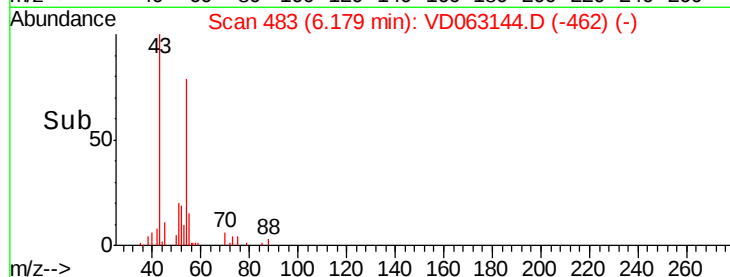
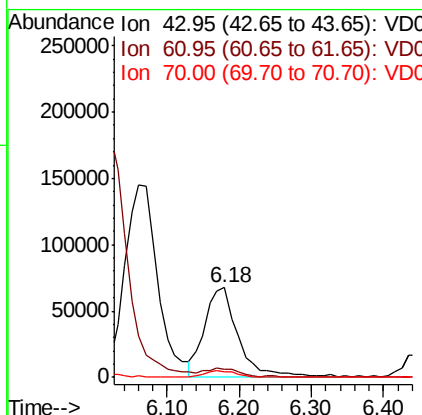
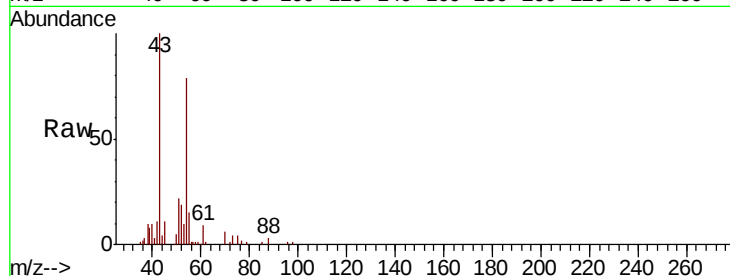




#37
Ethyl Acetate
Concen: 57.019 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

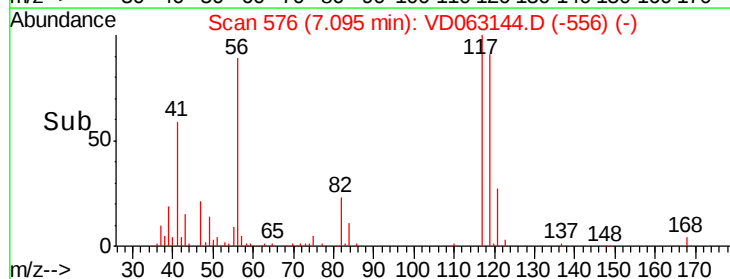
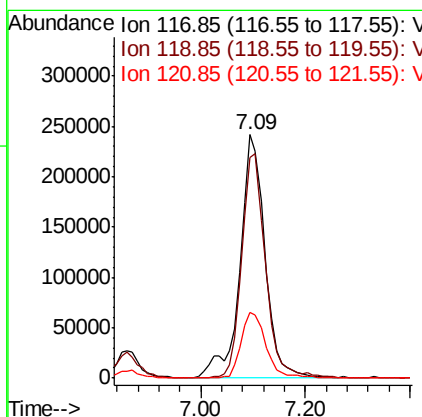
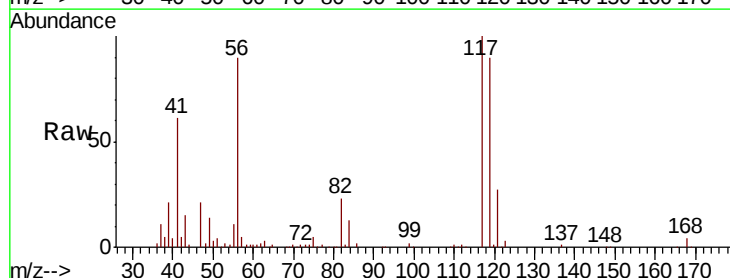
Instrument :
MSVOA_D
ClientSampleId :

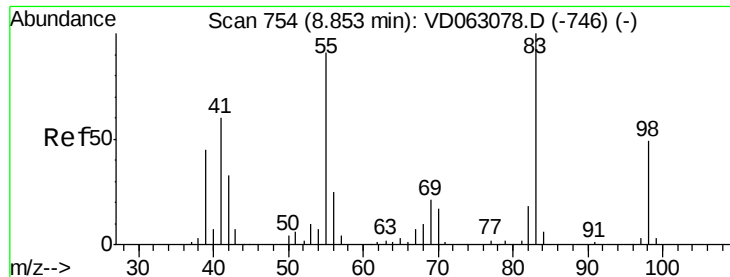
Tot Ion	Ratio	Lower	Upper
43	100		
61	8.9	10.6	16.0#
70	5.7	6.6	9.8#



#38
Carbon Tetrachloride
Concen: 59.234 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	80.0	120.0
121	26.9	25.0	37.4

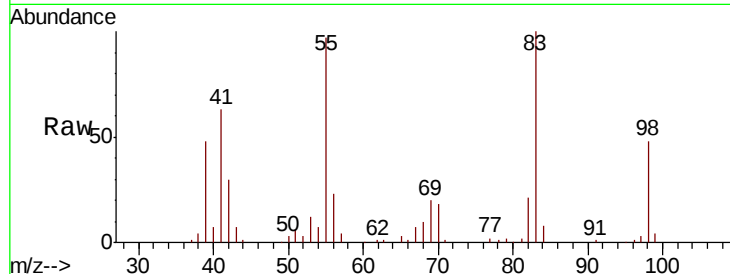




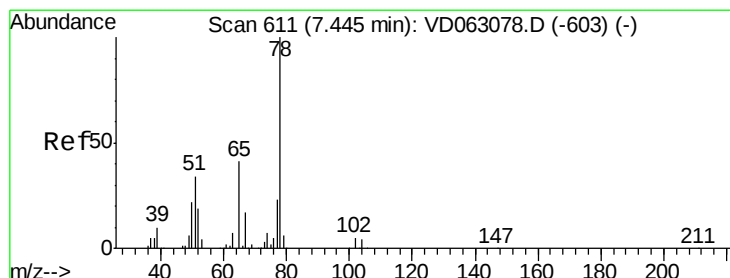
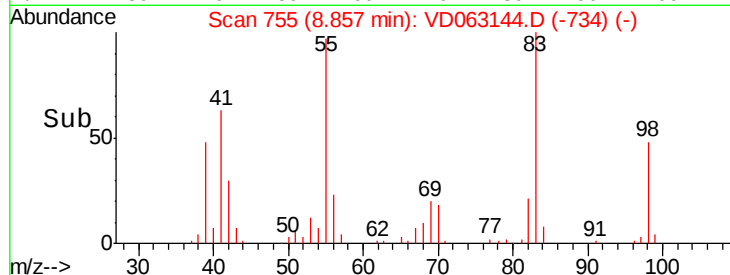
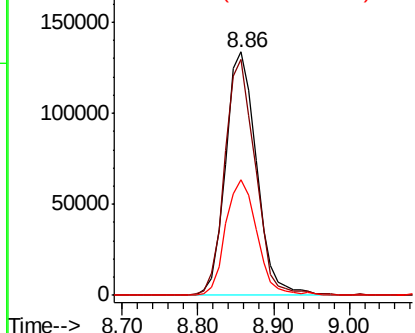
#39
Methvlcvclohexane
Concen: 50.603 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 378028
Ion Ratio Lower Upper
83 100
55 96.8 73.0 109.4
98 47.5 39.4 59.0

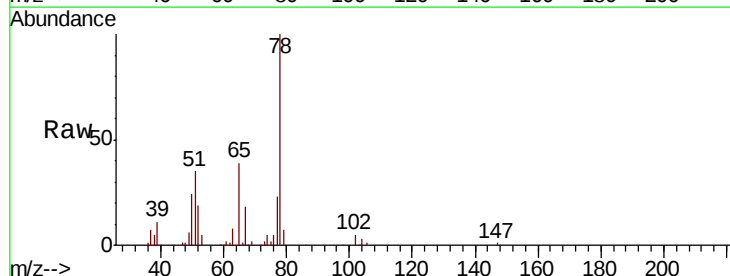


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

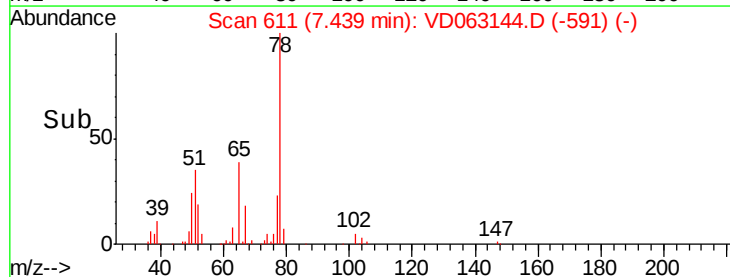
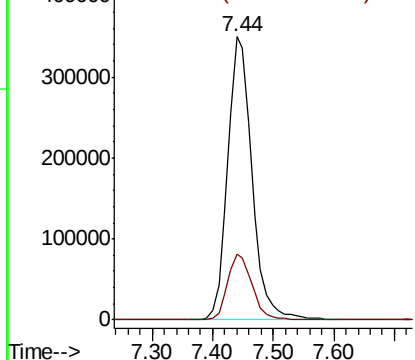


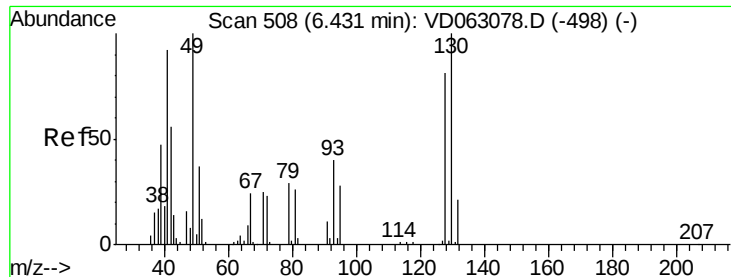
#40
Benzene
Concen: 54.081 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 78 Resp: 978750
Ion Ratio Lower Upper
78 100
77 23.1 18.1 27.1



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





#41

Methacrylonitrile

Concen: 57.461 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 288096

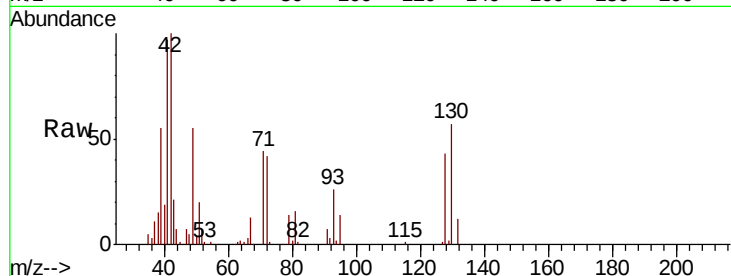
Ion Ratio Lower Upper

41 100

39 57.1 41.0 61.6

67 12.9 21.3 31.9#

52 7.6 10.5 15.7#

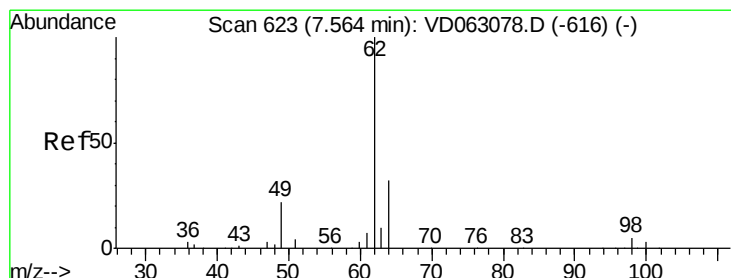
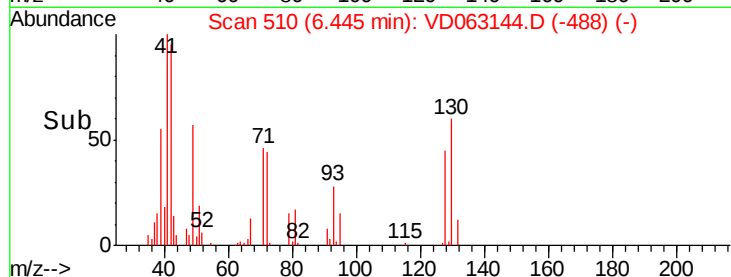
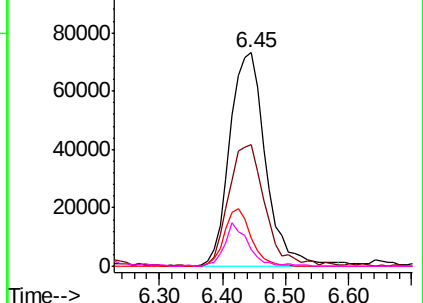


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 57.273 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063144.D

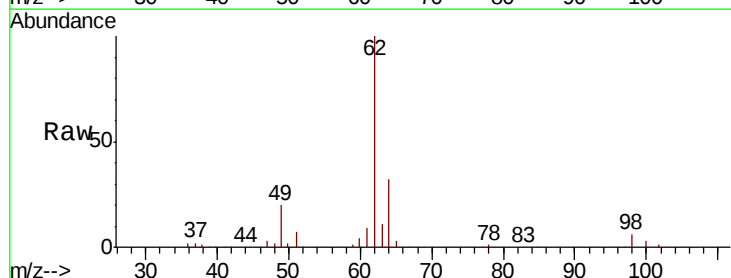
Acq: 17 Jul 2019 21:10

Tgt Ion: 62 Resp: 552224

Ion Ratio Lower Upper

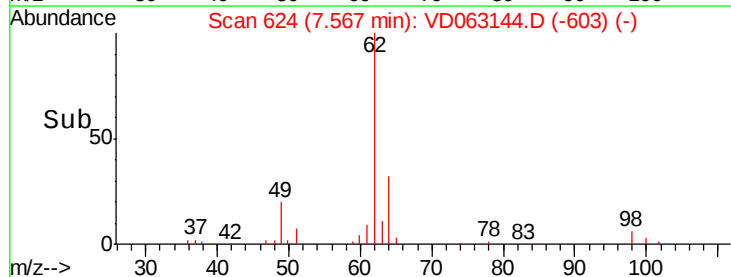
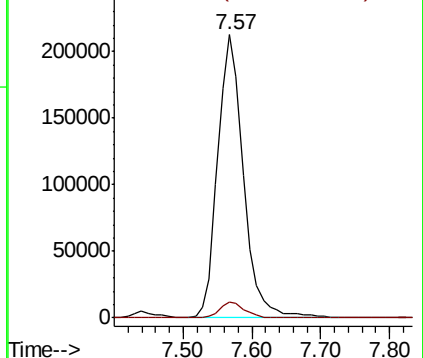
62 100

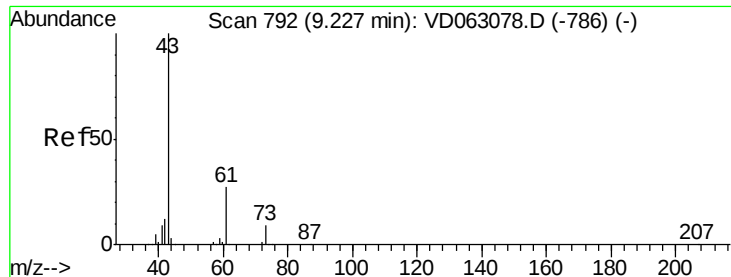
98 5.7 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



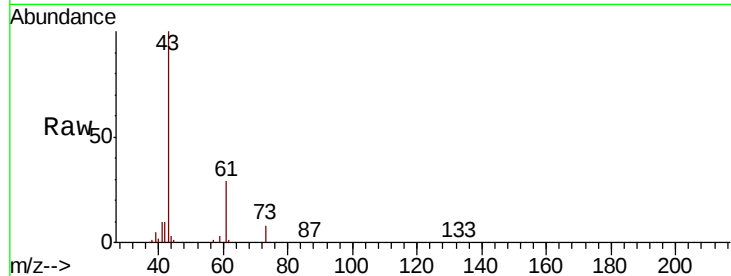


#43

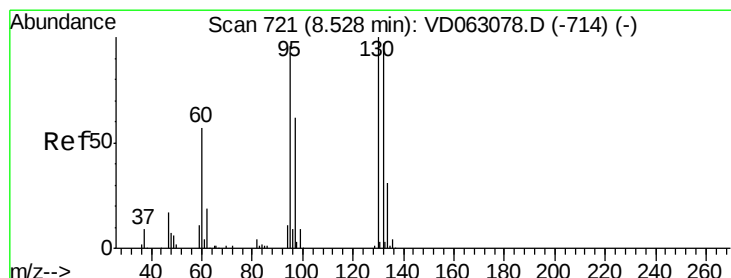
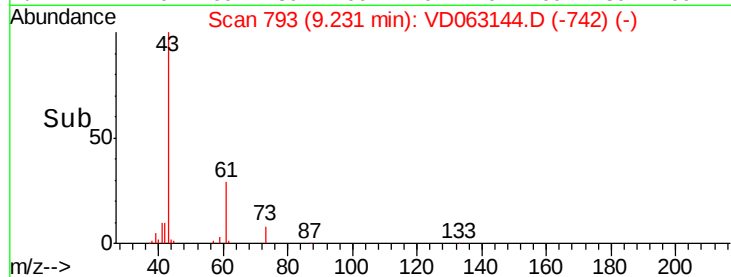
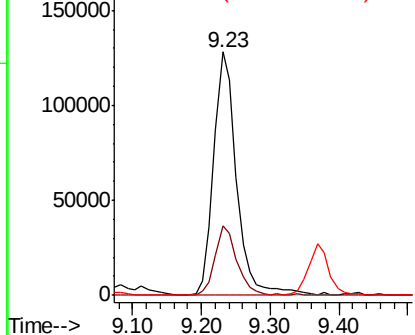
Isopropyl Acetate
 Concen: 56.146 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 297617
 Ion Ratio Lower Upper
 43 100
 61 28.7 21.7 32.5
 87 0.3 0.2 0.4



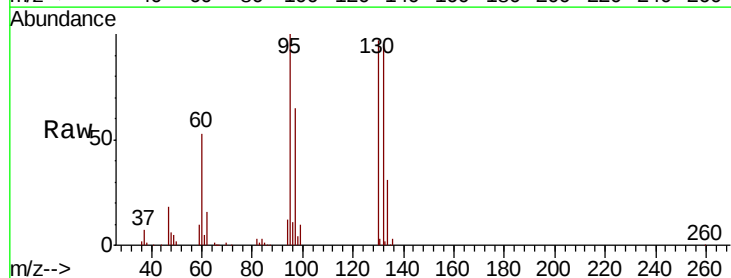
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



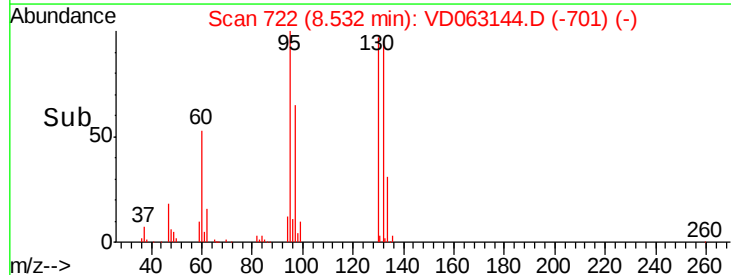
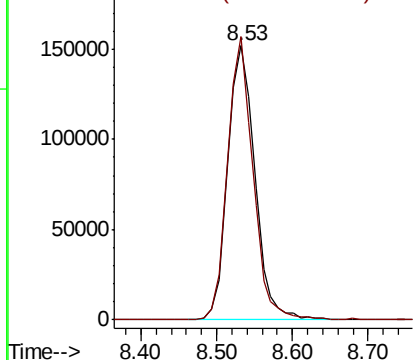
#44

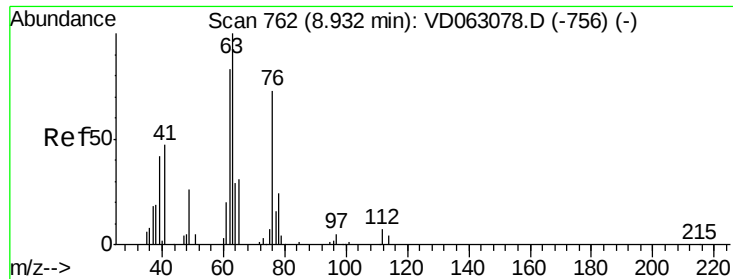
Trichloroethene
 Concen: 53.899 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion:130 Resp: 376982
 Ion Ratio Lower Upper
 130 100
 95 103.2 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: 51.505 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

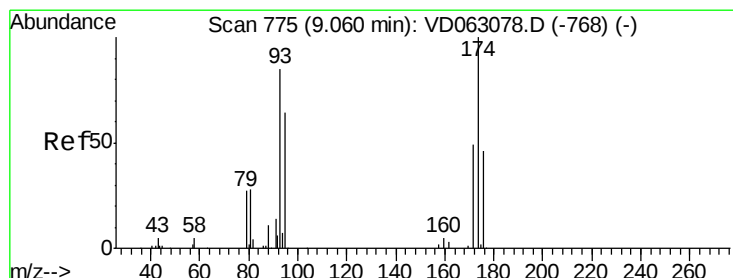
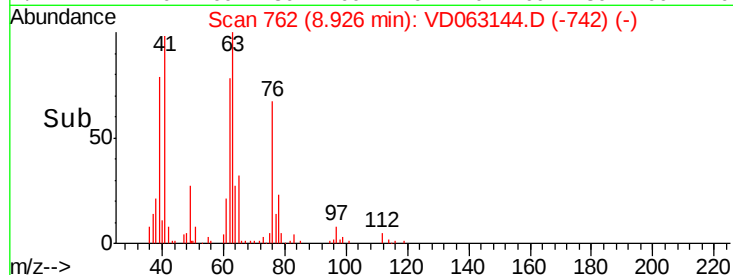
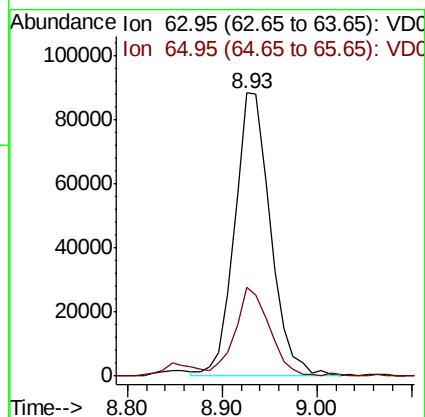
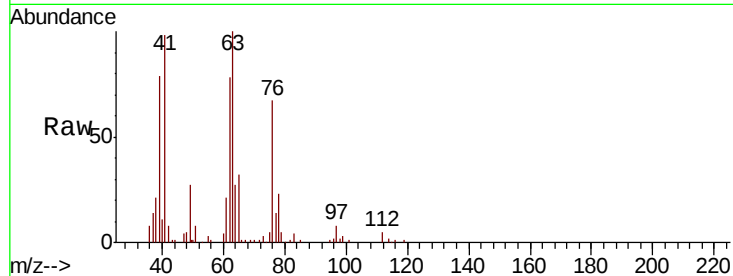
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 63 Resp: 232399

Ion Ratio Lower Upper

63 100

65 31.6 26.3 39.5



#46

Dibromomethane

Concen: 56.231 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

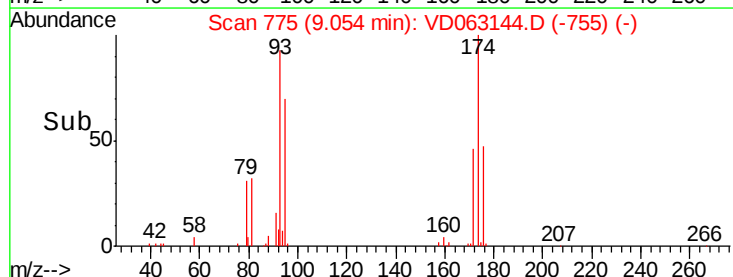
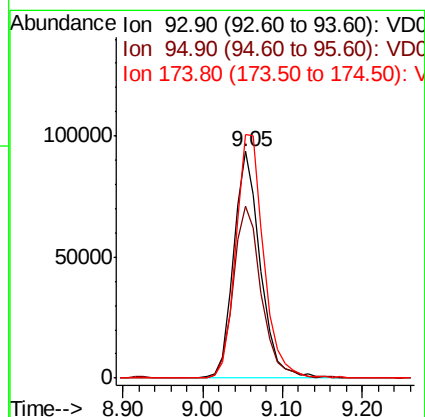
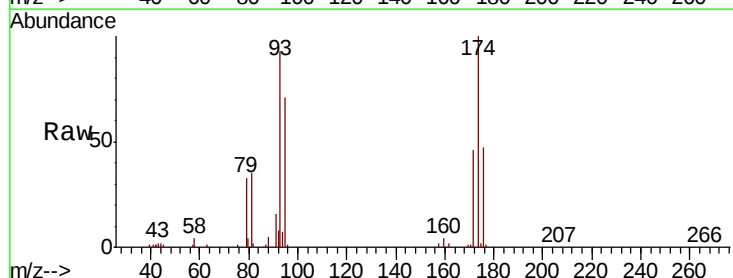
Tgt Ion: 93 Resp: 218032

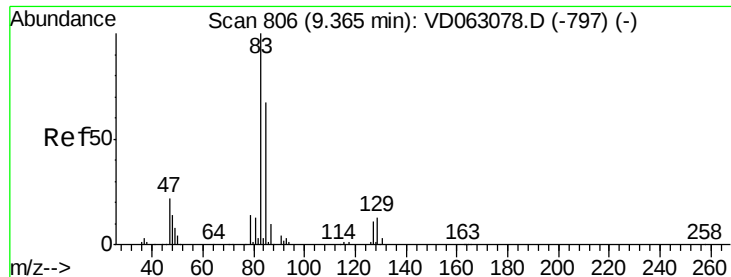
Ion Ratio Lower Upper

93 100

95 76.0 59.7 89.5

174 107.4 93.9 140.9





#47

Bromodichloromethane

Concen: 55.329 ug/l

RT: 9.37 min Scan# 807

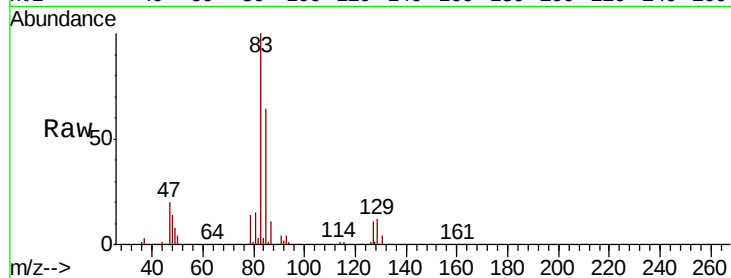
Delta R.T. 0.00 min

Lab File: VD063144.D

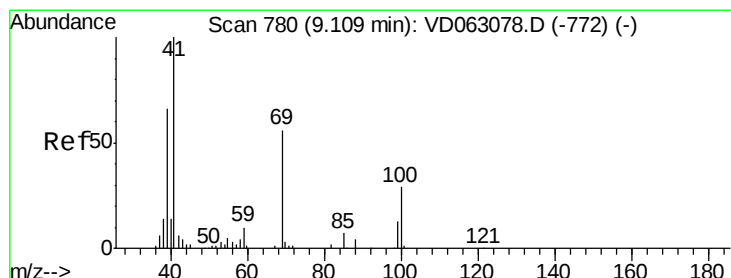
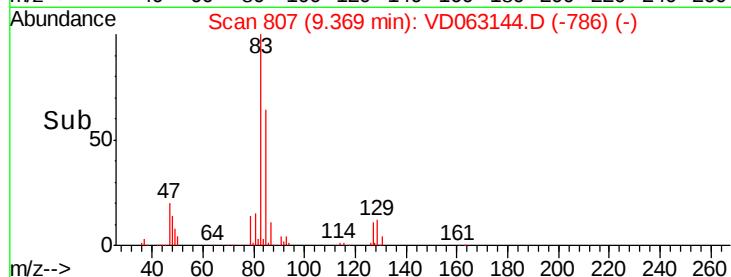
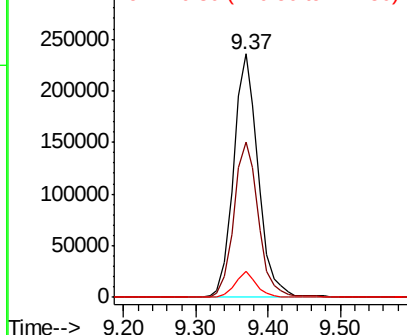
Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	83	Resp:	559830
Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.7	80.5
127	10.8	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: 57.913 ug/l

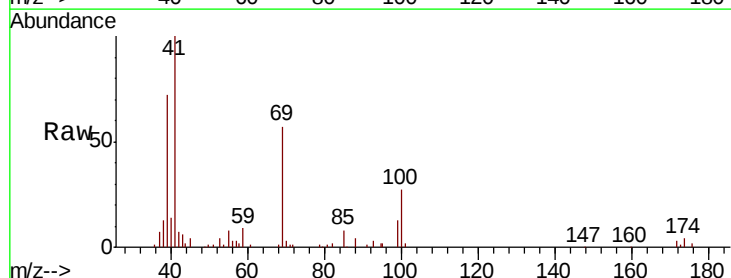
RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

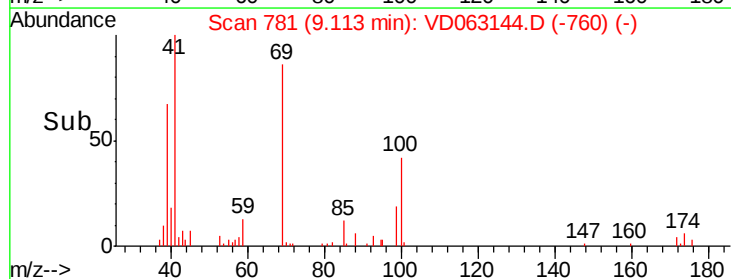
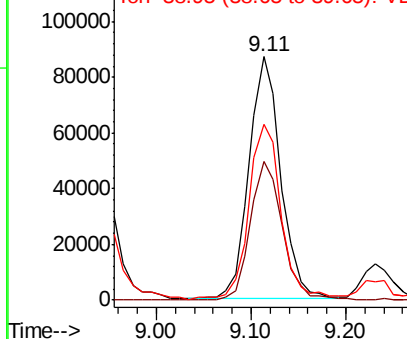
Lab File: VD063144.D

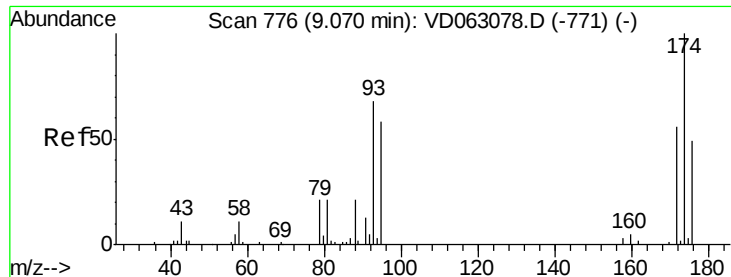
Acq: 17 Jul 2019 21:10

Tgt Ion:	41	Resp:	201595
Ion	Ratio	Lower	Upper
41	100		
69	56.7	44.3	66.5
39	72.4	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

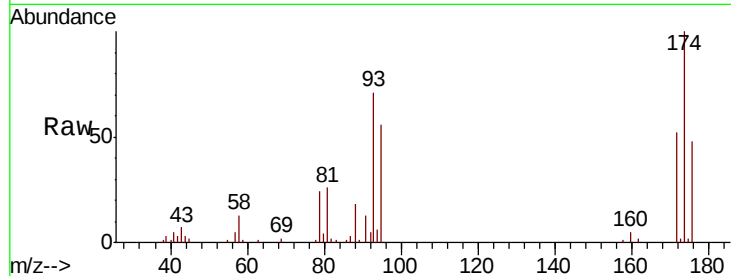




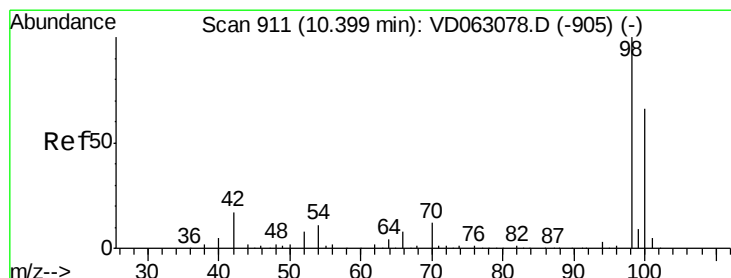
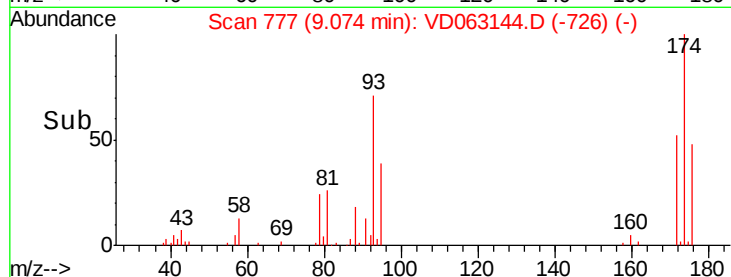
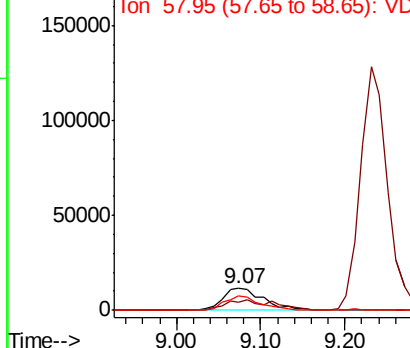
#49
1,4-Dioxane
Concen: 1278.783 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 38390
Ion Ratio Lower Upper
88 100
43 38.5 40.2 60.4#
58 68.8 41.6 62.4#

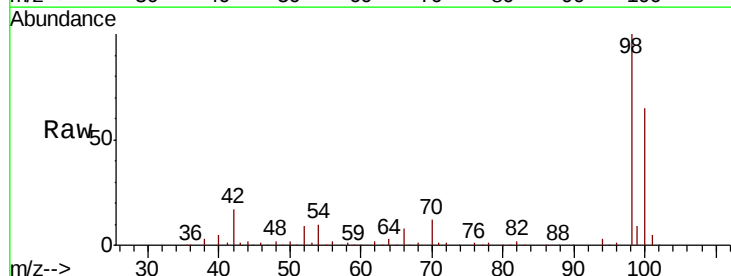


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

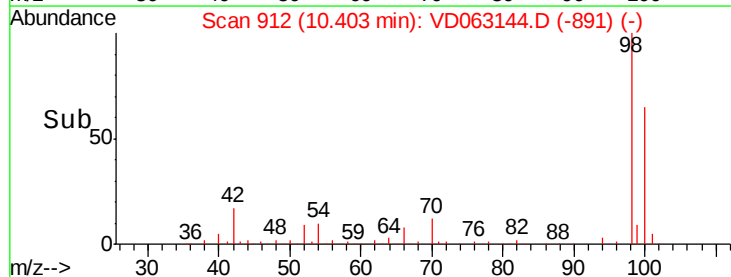
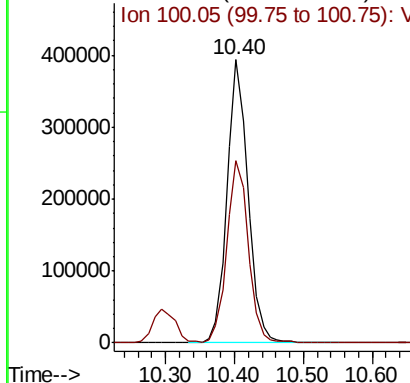


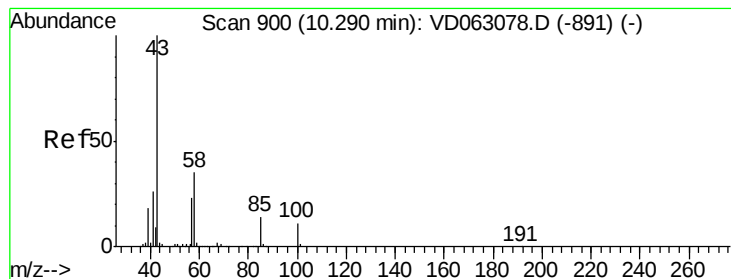
#50
Toluene-d8
Concen: 50.655 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 98 Resp: 832650
Ion Ratio Lower Upper
98 100
100 64.5 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 299.864 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

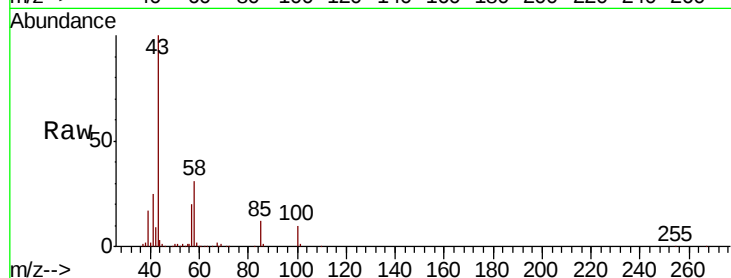
ClientSampleId :

Tot Ion: 43 Resp: 1054247

Ion Ratio Lower Upper

43 100

58 31.1 27.8 41.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

500000

400000

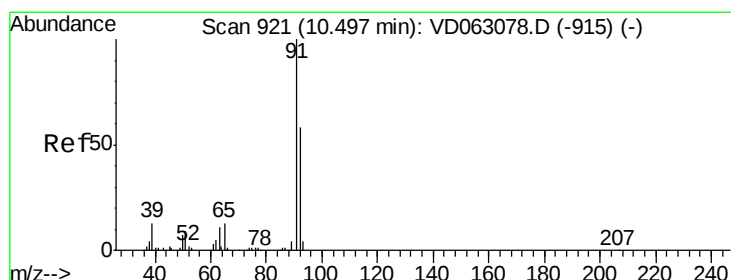
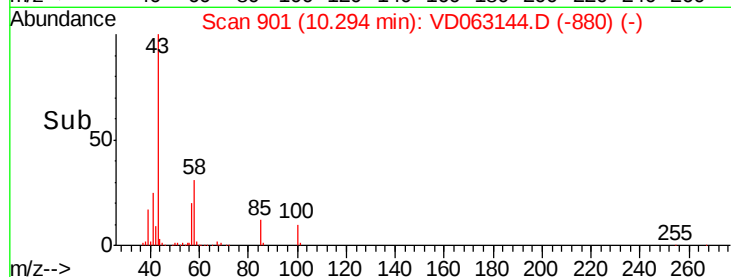
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.085 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063144.D

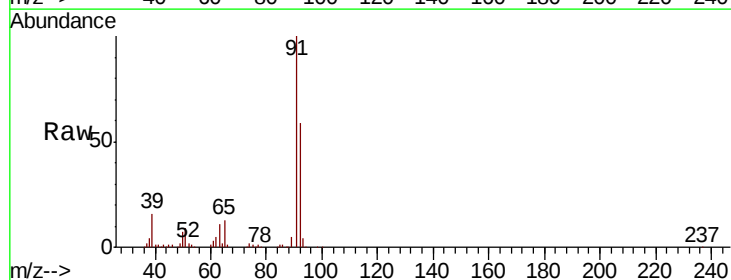
Acq: 17 Jul 2019 21:10

Tgt Ion: 92 Resp: 641547

Ion Ratio Lower Upper

92 100

91 168.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

500000

400000

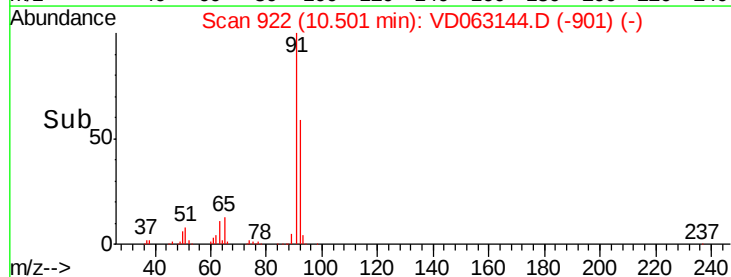
300000

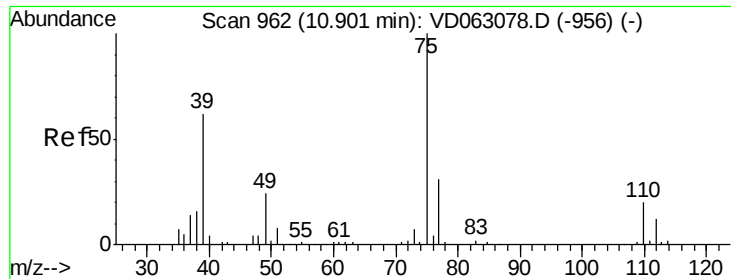
200000

100000

0

Time-->

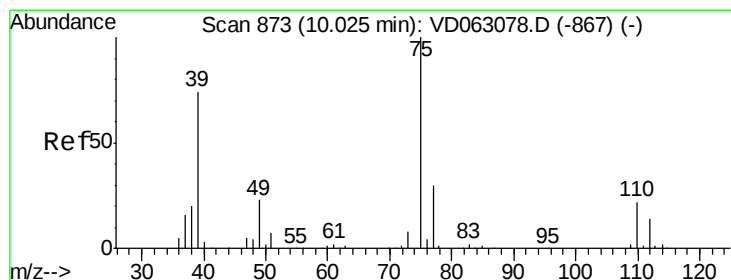
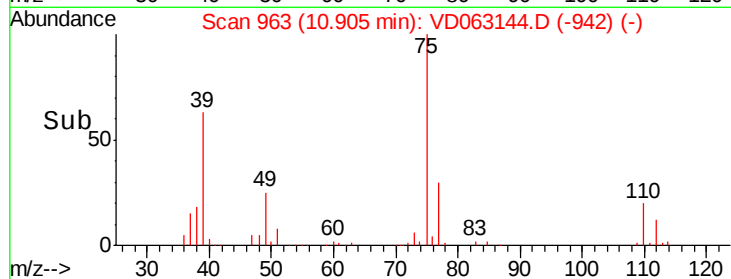
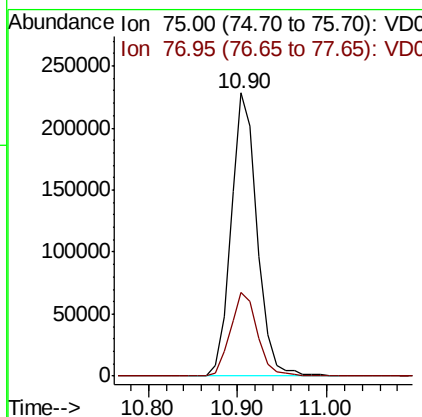
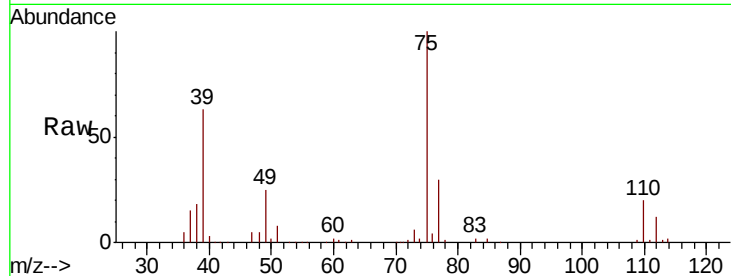




#53
 t-1,3-Dichloropropene
 Concen: 53.585 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

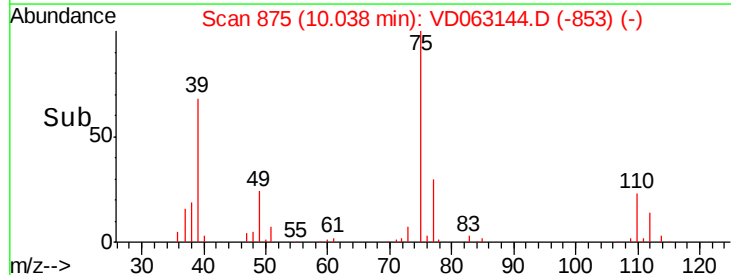
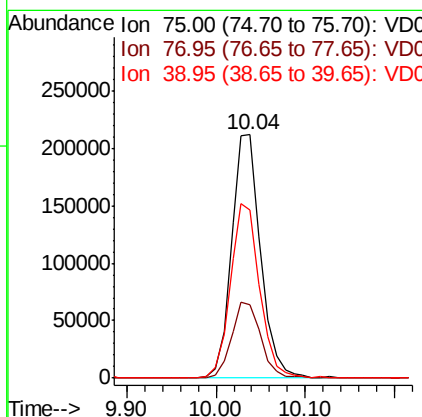
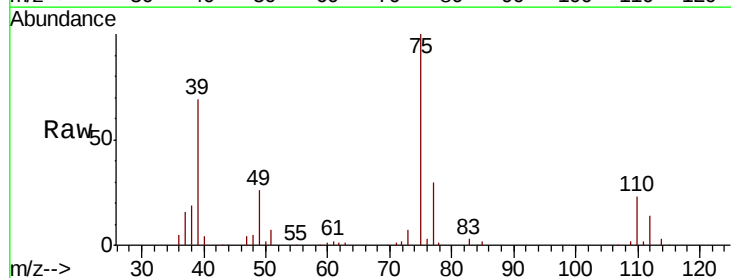
Instrument :
 MSVOA_D
 ClientSampleId :

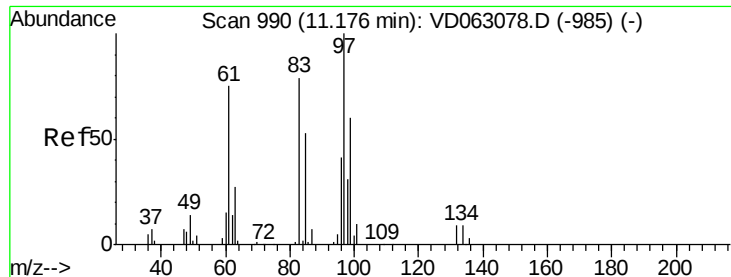
Tot Ion: 75 Resp: 464520
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 53.884 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion: 75 Resp: 482987
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.9 35.9
 39 69.2 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 57.294 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 239287

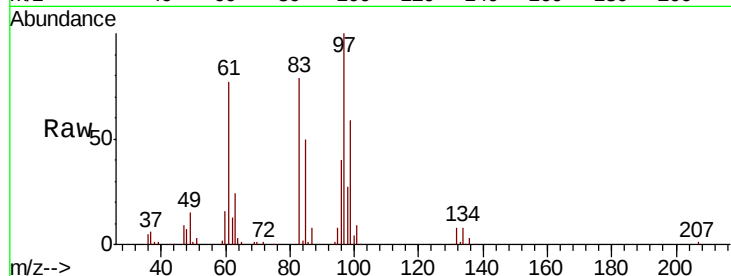
Ion Ratio Lower Upper

97 100

83 79.5 63.2 94.8

85 50.2 42.0 63.0

99 58.5 48.3 72.5

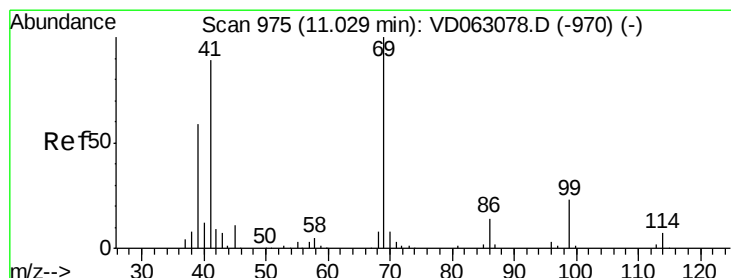
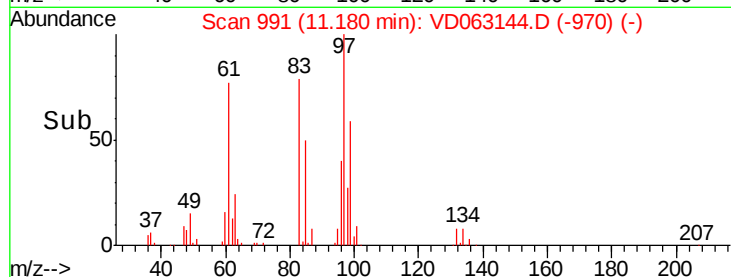
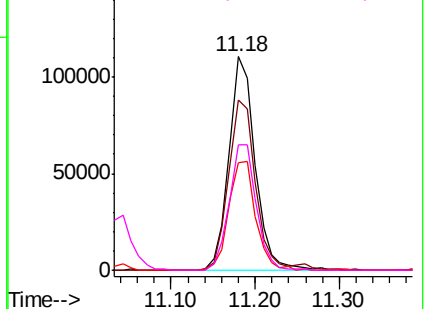


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.896 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

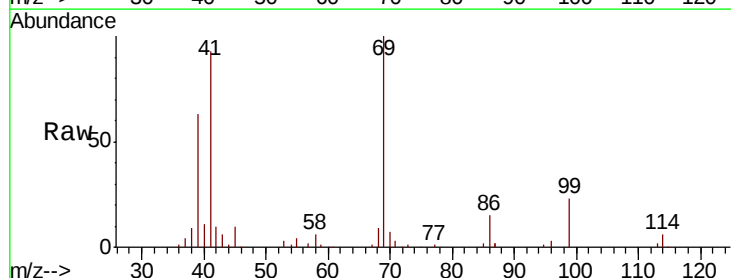
Tgt Ion: 69 Resp: 242167

Ion Ratio Lower Upper

69 100

41 93.4 71.0 106.4

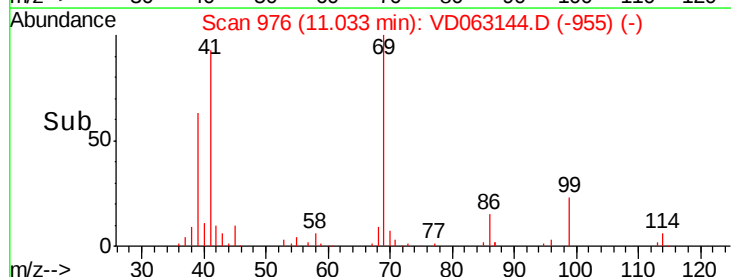
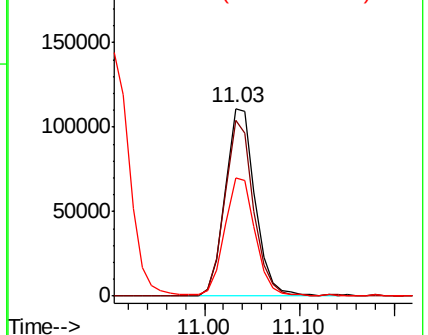
39 62.9 47.7 71.5

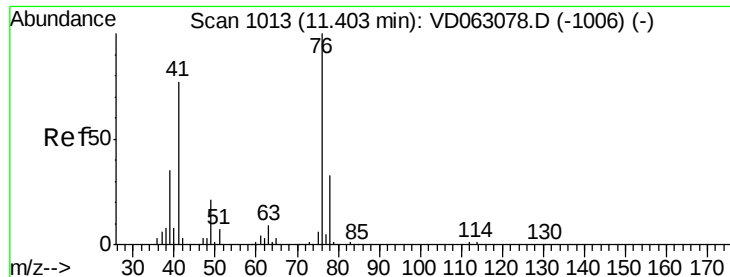


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 57.852 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

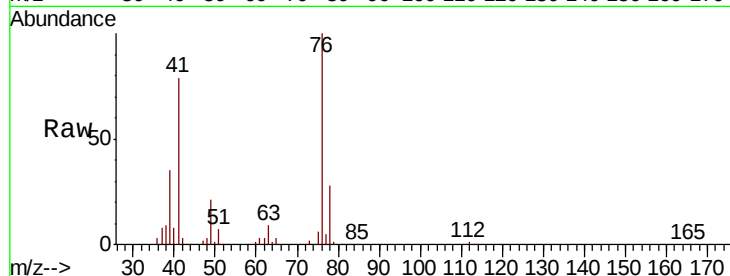
ClientSampleId :

Tot Ion: 76 Resp: 367652

Ion Ratio Lower Upper

76 100

78 28.2 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

200000

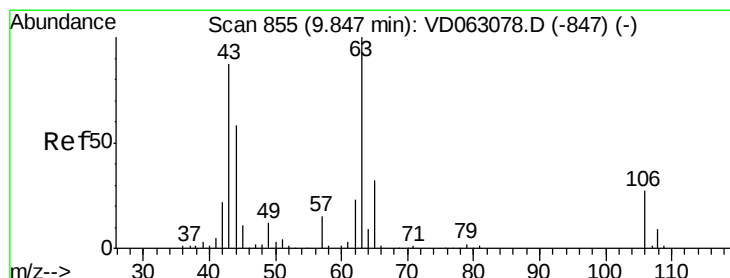
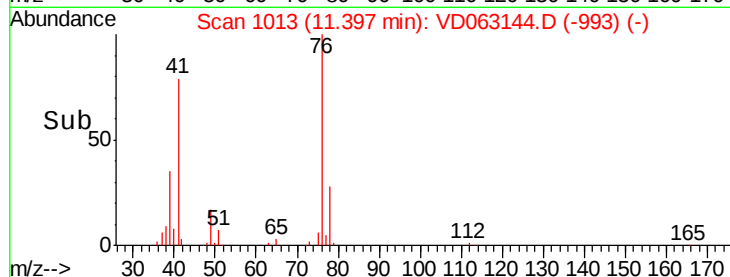
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.129 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063144.D

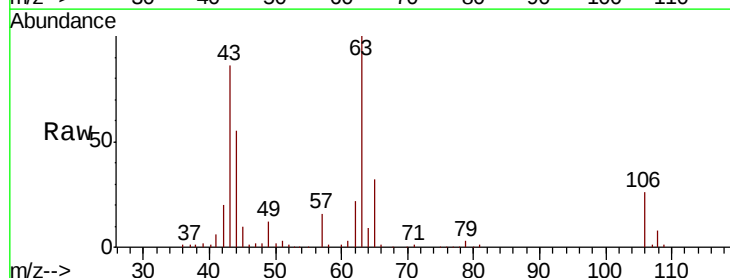
Acq: 17 Jul 2019 21:10

Tgt Ion: 63 Resp: 642105

Ion Ratio Lower Upper

63 100

106 25.5 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.85

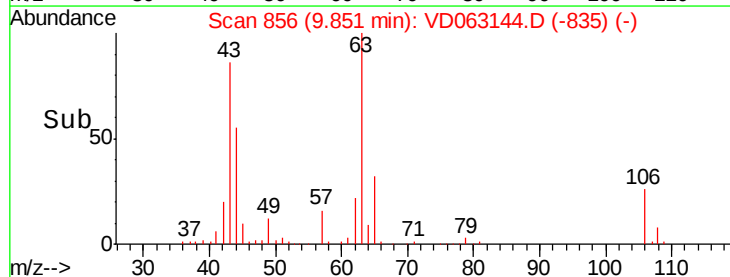
300000

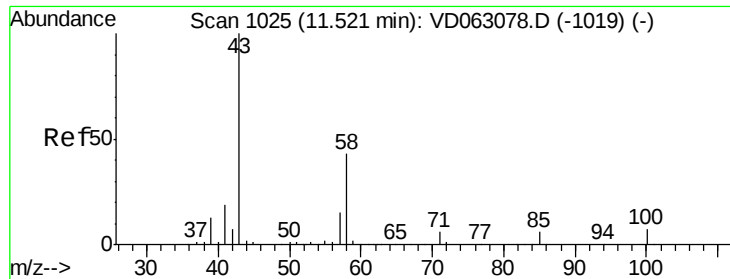
200000

100000

0

Time-->

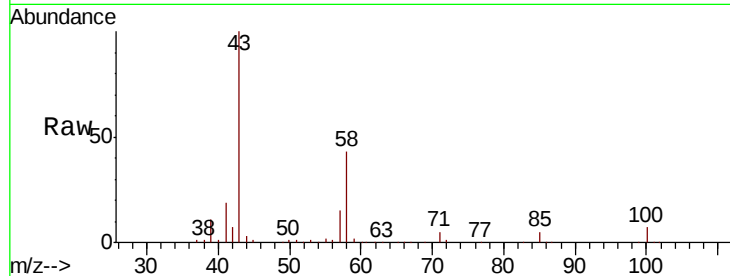




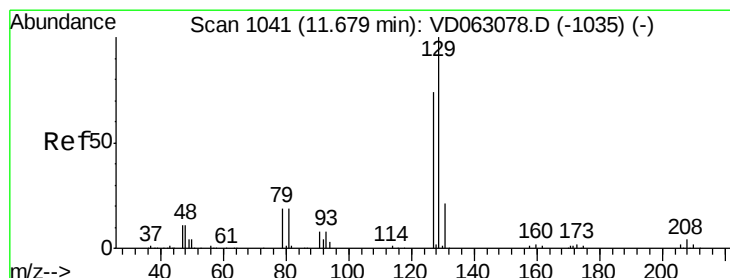
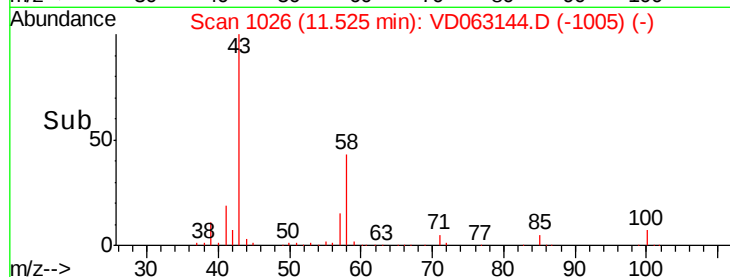
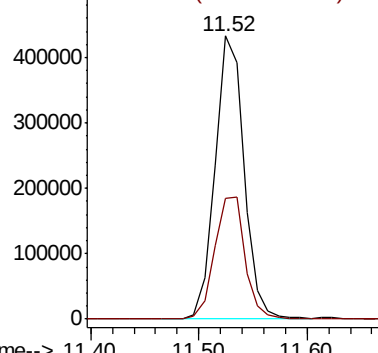
#59
2-Hexanone
Concen: 297.572 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 806831
Ion Ratio Lower Upper
43 100
58 42.8 21.7 65.1

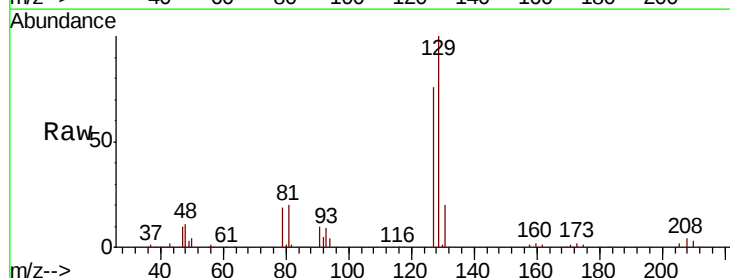


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

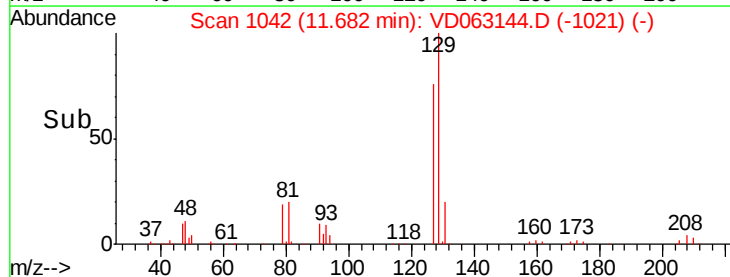
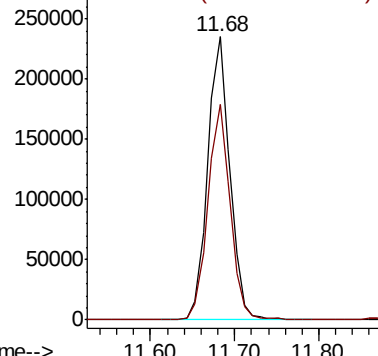


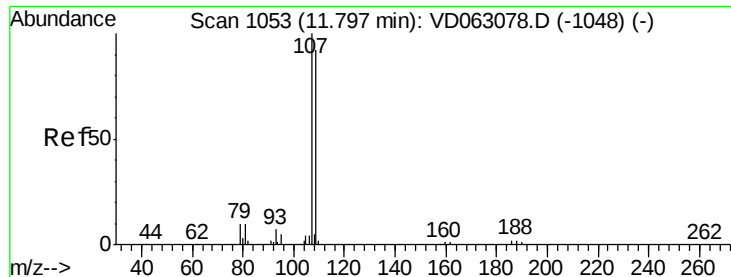
#60
Dibromochloromethane
Concen: 53.519 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 129 Resp: 428462
Ion Ratio Lower Upper
129 100
127 76.4 37.0 110.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

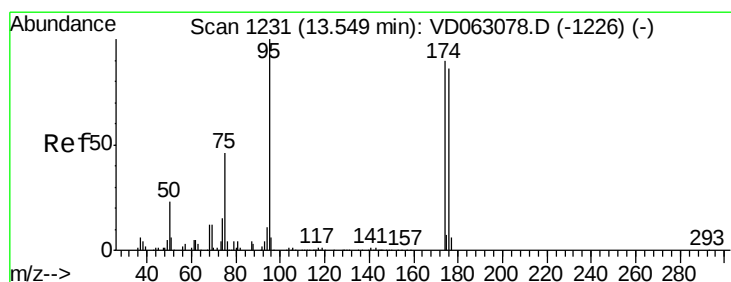
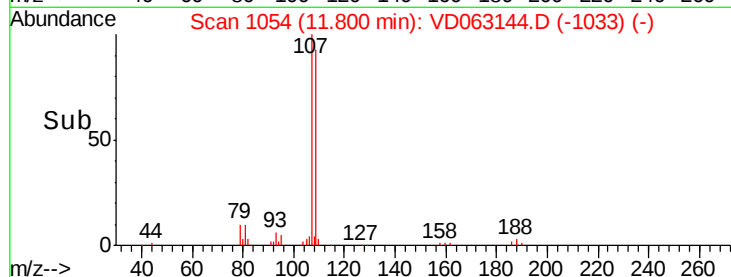
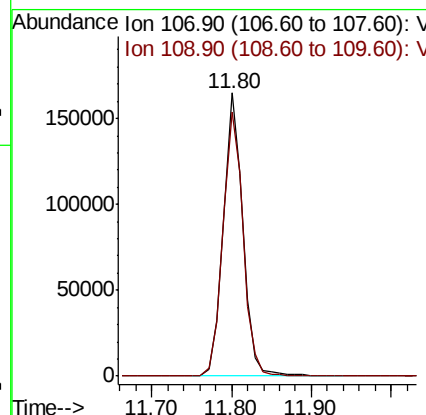
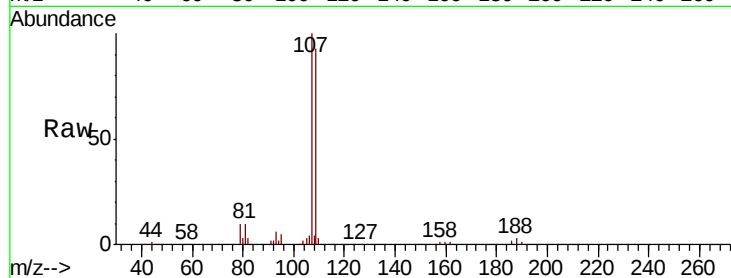




#61
 1,2-Dibromoethane
 Concen: 57.033 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

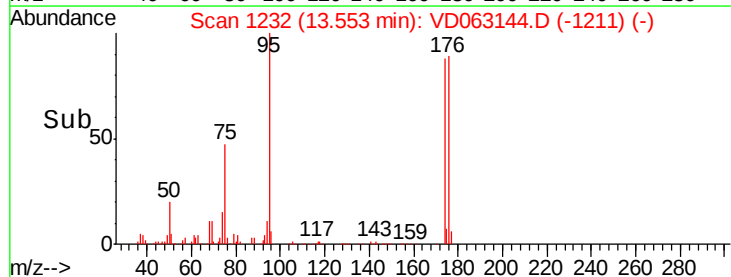
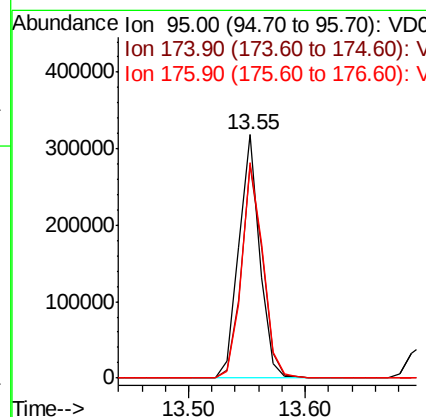
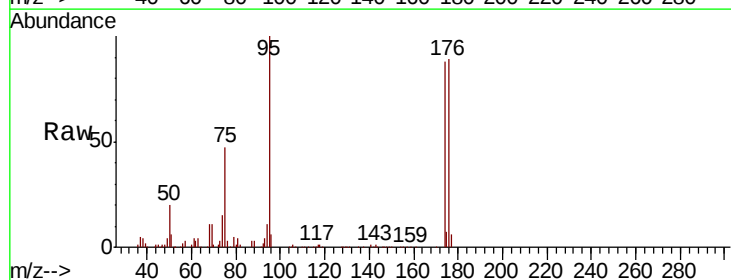
Instrument :
 MSVOA_D
 ClientSampleId :

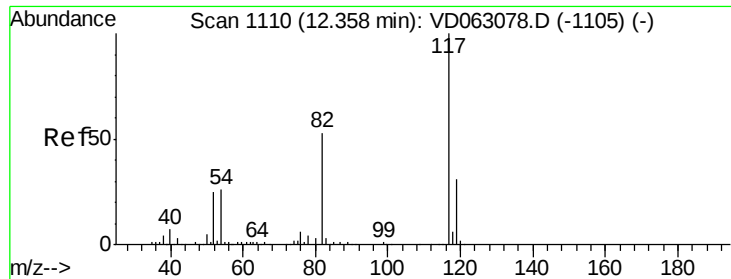
Tot Ion:107 Resp: 285117
 Ion Ratio Lower Upper
 107 100
 109 93.4 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 52.152 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion: 95 Resp: 396602
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 180.6
 176 88.5 0.0 172.2

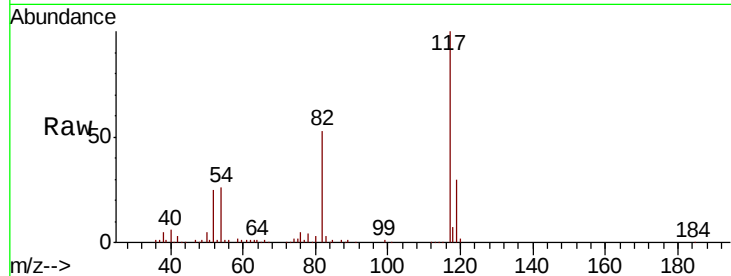




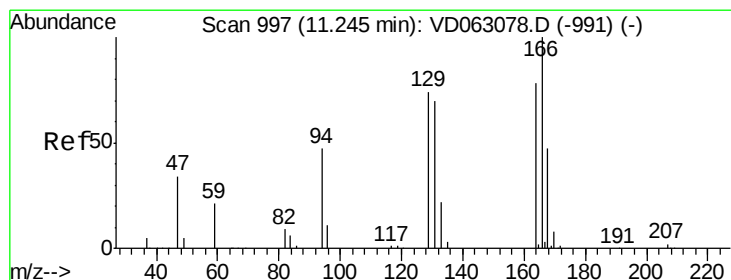
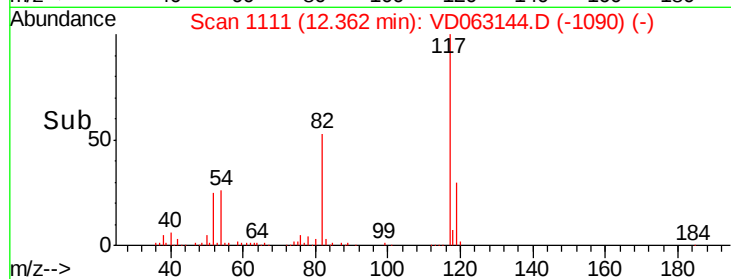
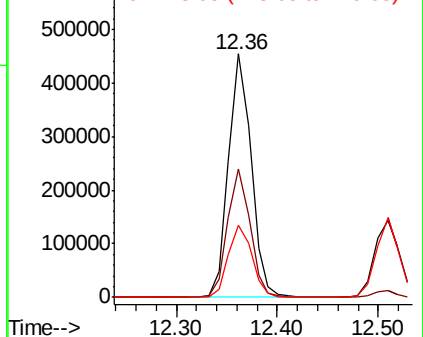
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 714335
Ion Ratio Lower Upper
117 100
82 52.9 42.3 63.5
119 29.8 25.2 37.8

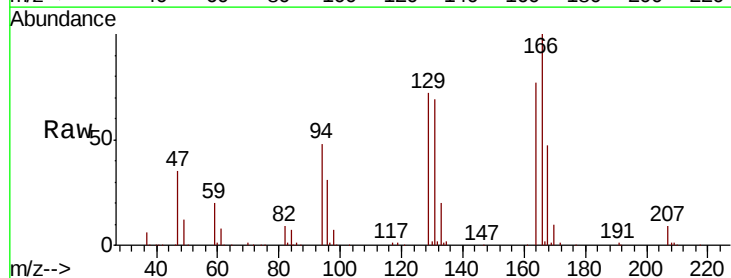


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

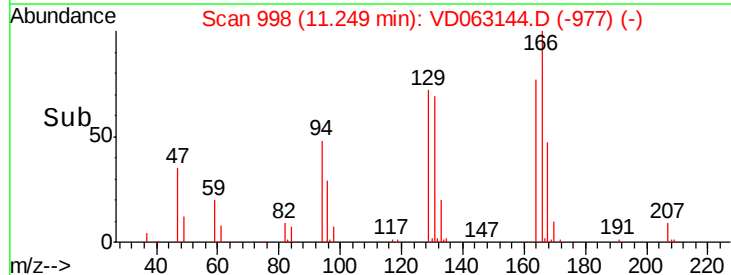
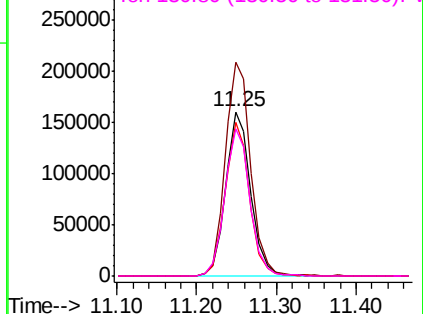


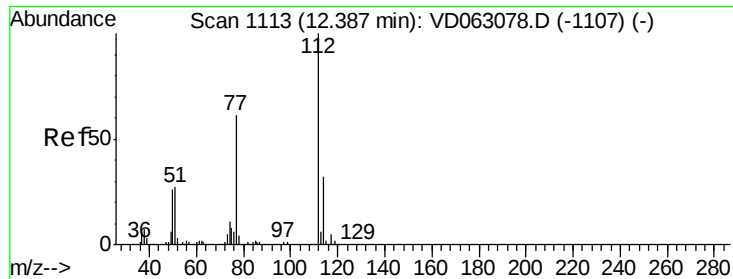
#64
Tetrachloroethene
Concen: 50.446 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion:164 Resp: 349662
Ion Ratio Lower Upper
164 100
166 130.2 102.8 154.2
129 93.9 76.4 114.6
131 89.5 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

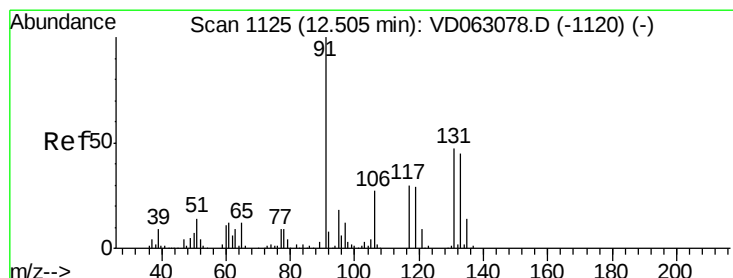
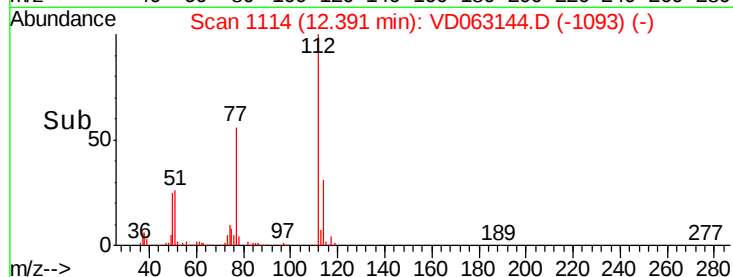
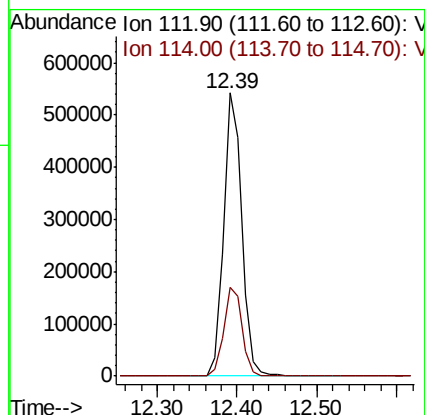
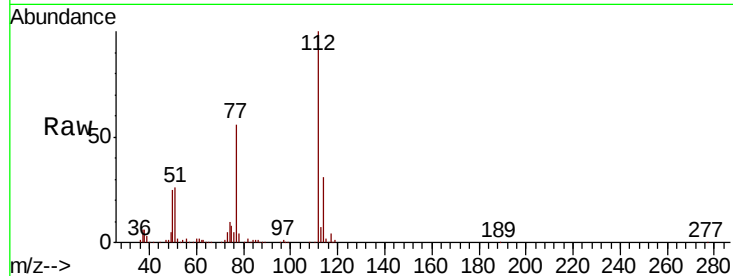




#65
Chlorobenzene
Concen: 51.825 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

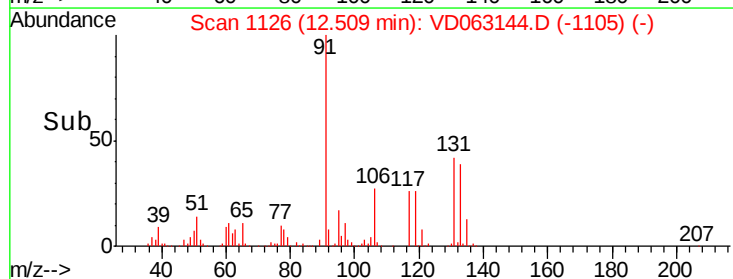
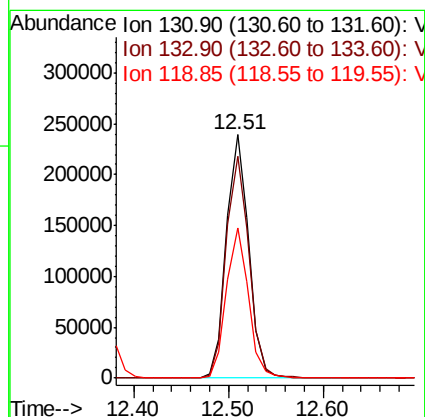
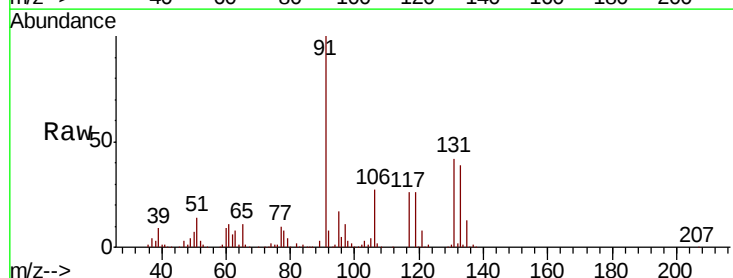
Instrument :
MSVOA_D
ClientSampleId :

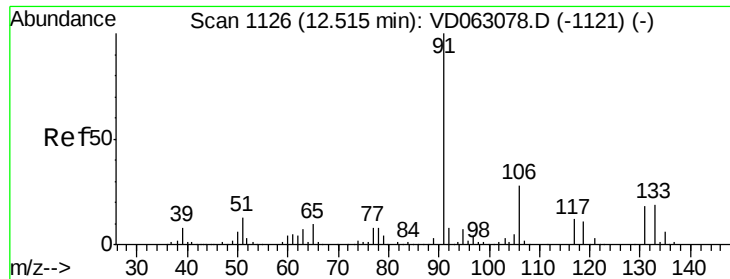
Tot Ion:112 Resp: 870244
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.160 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion:131 Resp: 390511
Ion Ratio Lower Upper
131 100
133 91.3 48.5 145.6
119 61.8 30.8 92.3

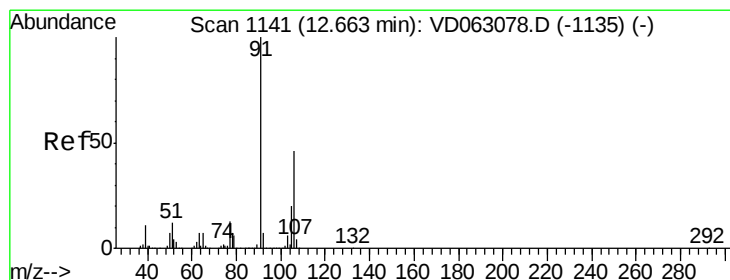
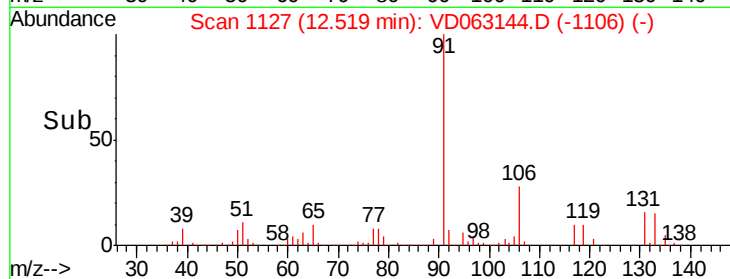
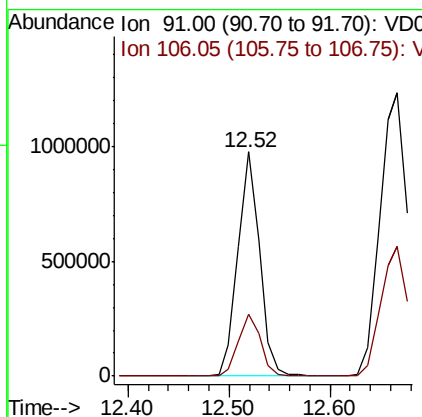
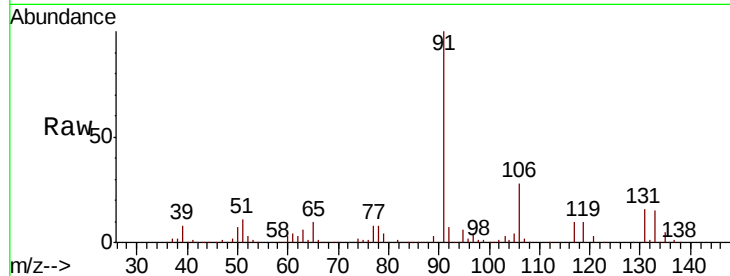




#67
Ethyl Benzene
Concen: 50.162 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

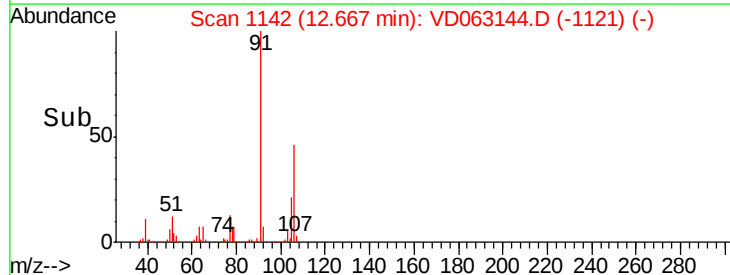
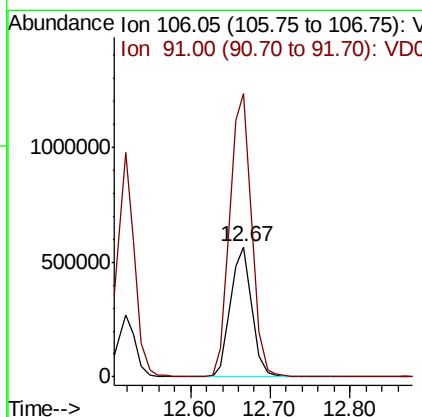
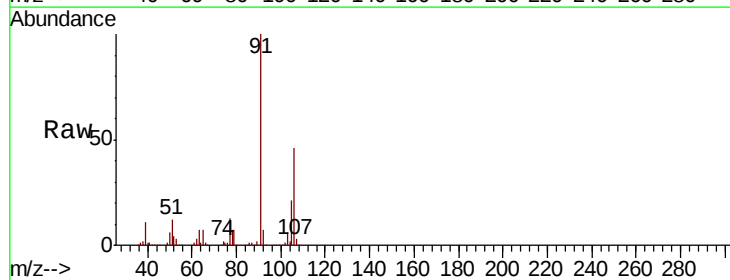
Instrument :
MSVOA_D
ClientSampled :

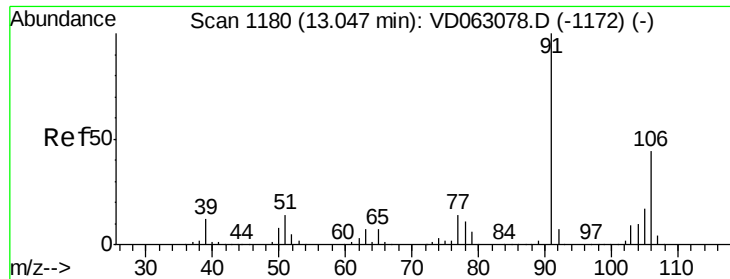
Tot Ion: 91 Resp: 1463547
Ion Ratio Lower Upper
91 100
106 27.7 22.5 33.7



#68
m/p-Xylenes
Concen: 101.892 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 106 Resp: 1064783
Ion Ratio Lower Upper
106 100
91 218.1 173.0 259.6

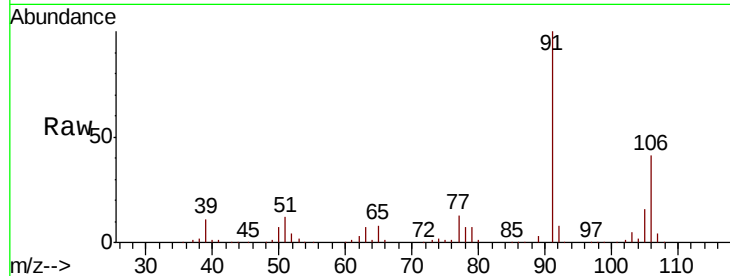




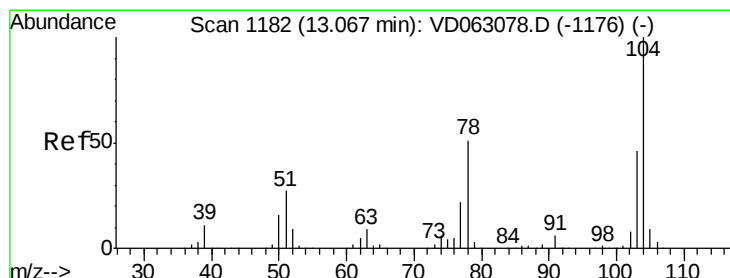
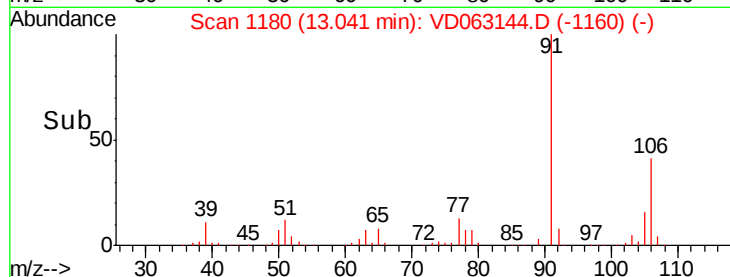
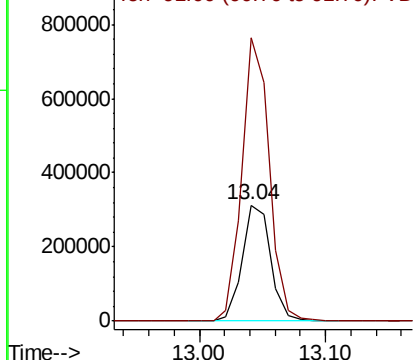
#69
o-Xylene
Concen: 49.125 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 486781
Ion Ratio Lower Upper
106 100
91 243.9 114.9 344.7

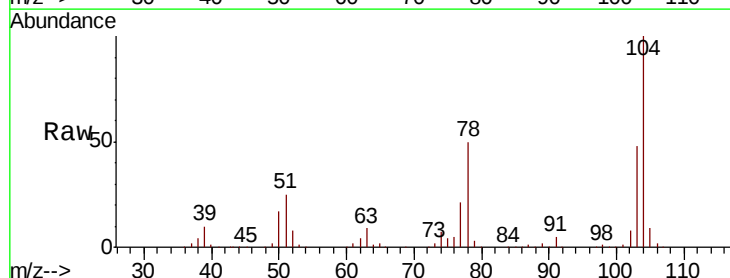


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

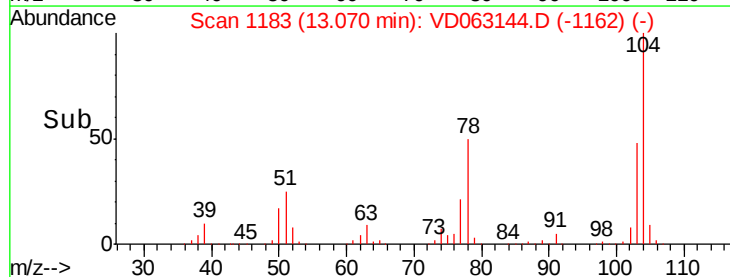
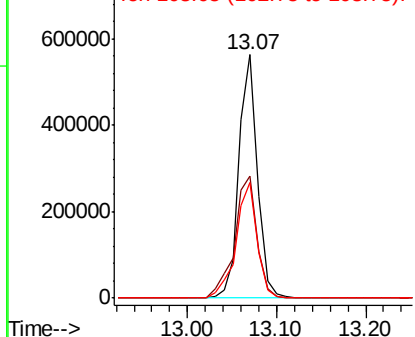


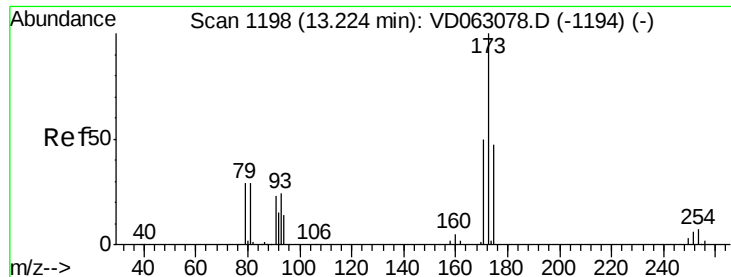
#70
Styrene
Concen: 47.055 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion:104 Resp: 816157
Ion Ratio Lower Upper
104 100
78 50.0 41.1 61.7
103 47.5 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

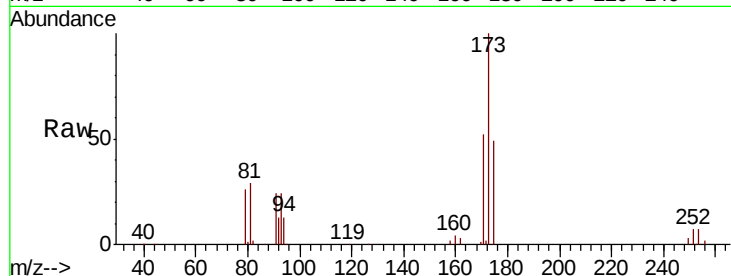




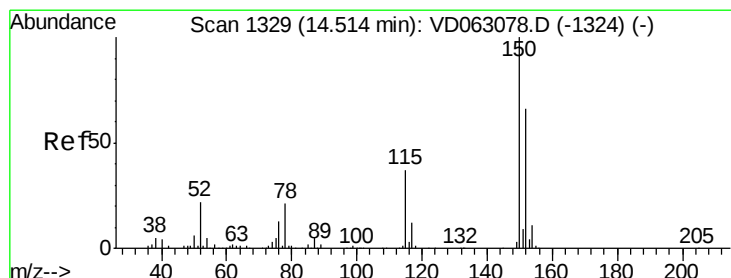
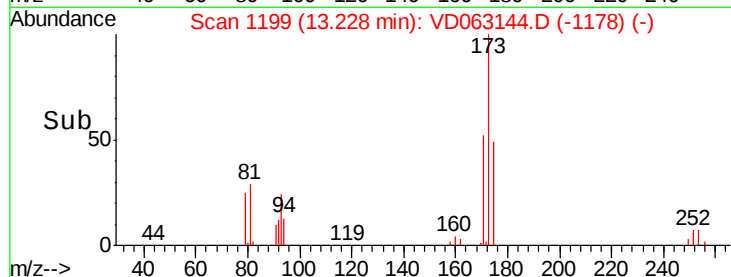
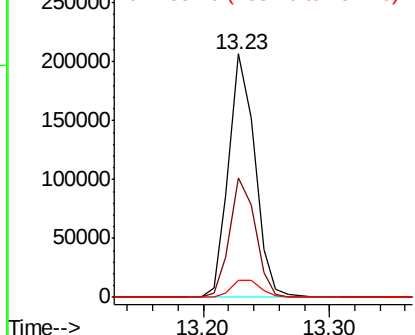
#71
Bromoform
Concen: 54.842 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 298912
Ion Ratio Lower Upper
173 100
175 49.0 23.4 70.2
254 7.1 5.4 8.0

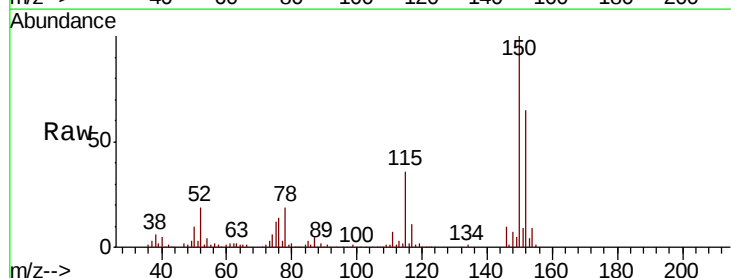


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

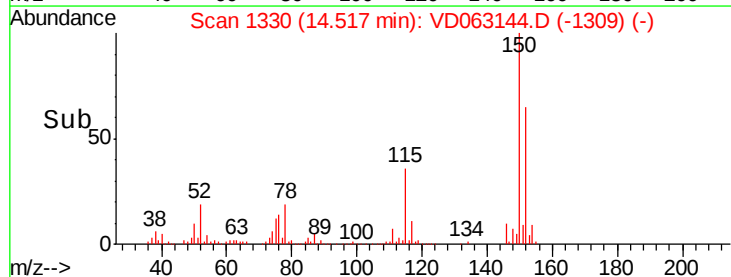
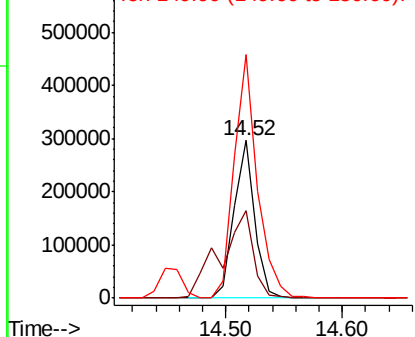


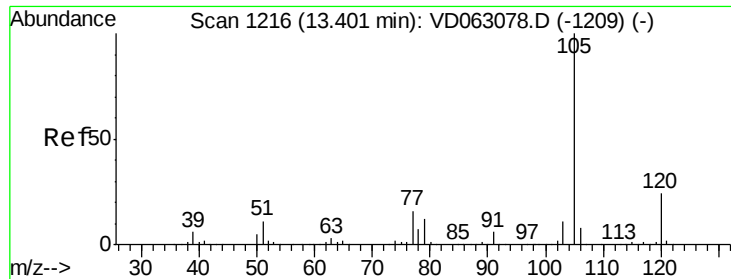
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion:152 Resp: 363498
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.8
150 154.4 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.688 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

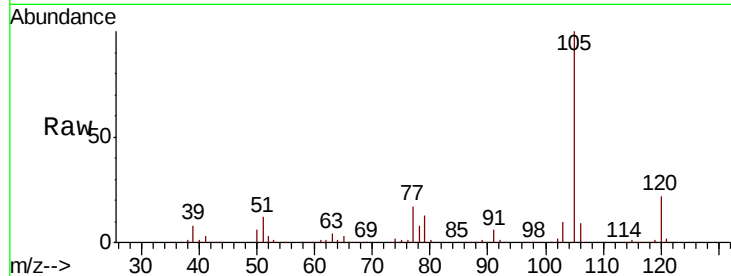
ClientSampleId :

Tot Ion:105 Resp: 1563269

Ion Ratio Lower Upper

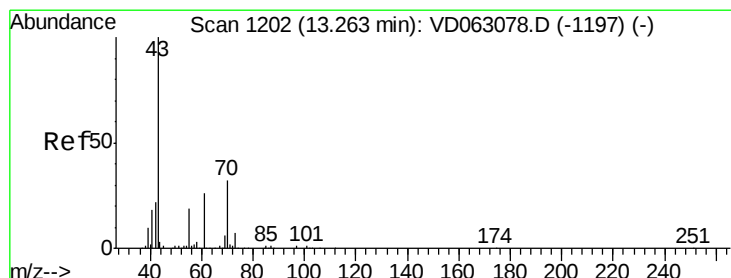
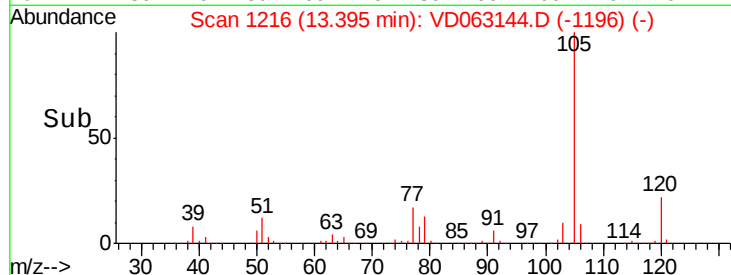
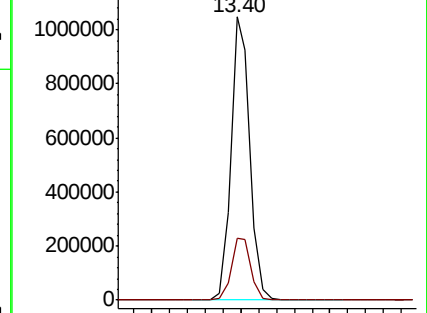
105 100

120 21.7 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.742 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Tgt Ion: 43 Resp: 397261

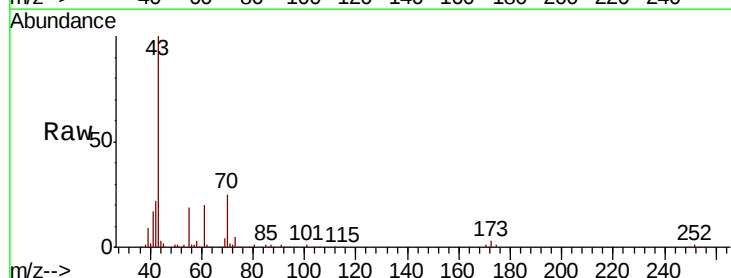
Ion Ratio Lower Upper

43 100

70 25.1 25.5 38.3#

55 19.0 15.4 23.0

61 19.7 20.6 31.0#

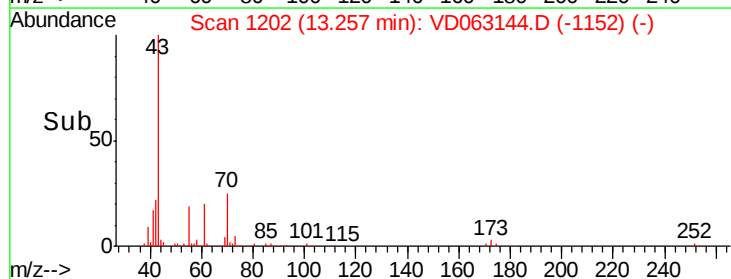
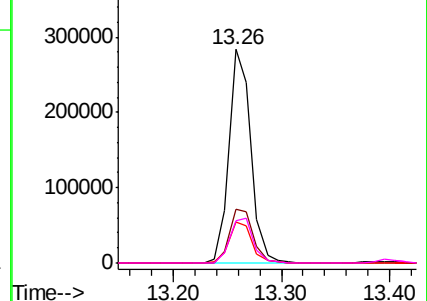


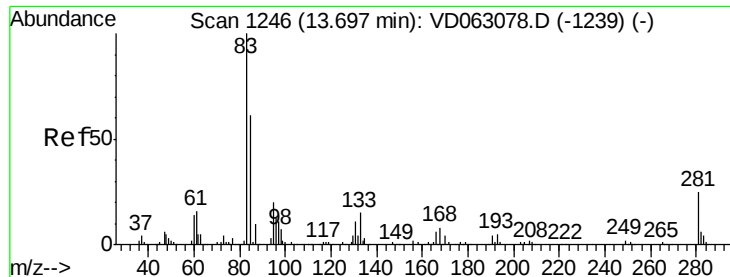
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.084 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

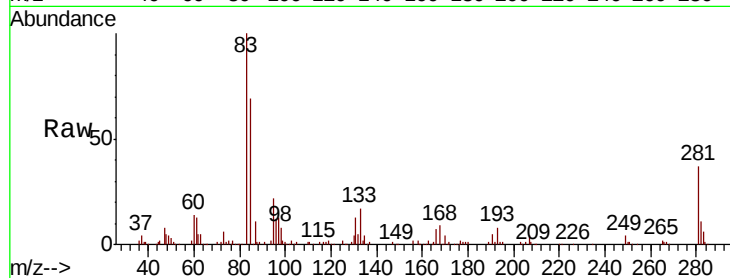
Tot Ion: 83 Resp: 281342

Ion Ratio Lower Upper

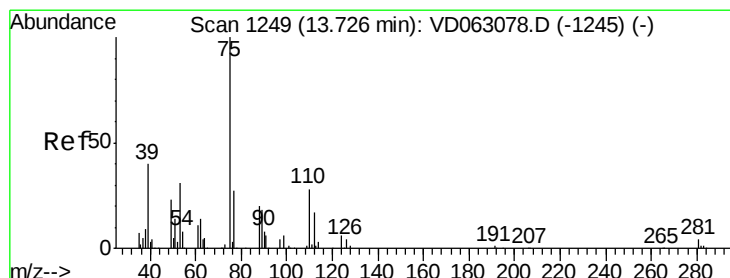
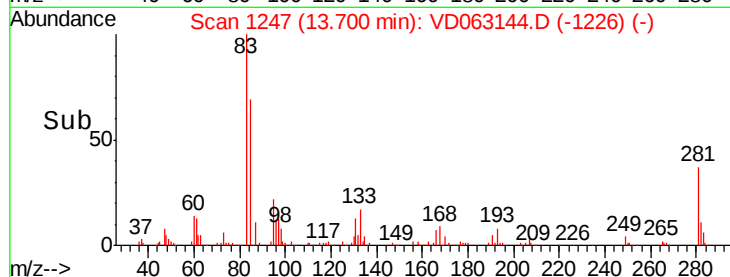
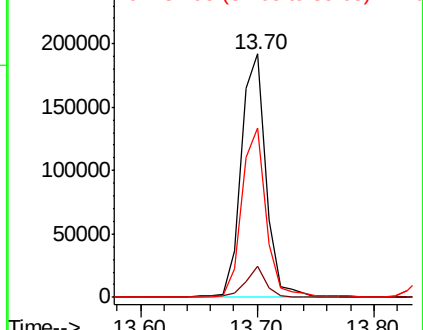
83 100

131 12.6 5.5 16.7

85 69.4 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: 53.580 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063144.D

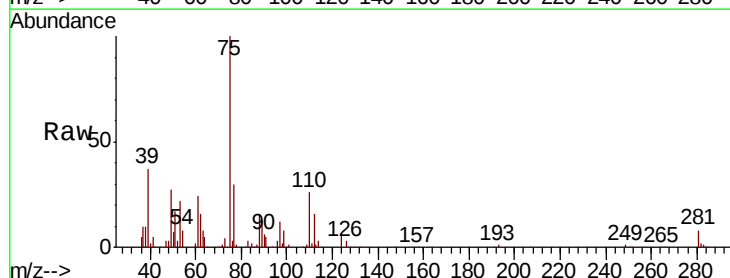
Acq: 17 Jul 2019 21:10

Tgt Ion: 75 Resp: 299600

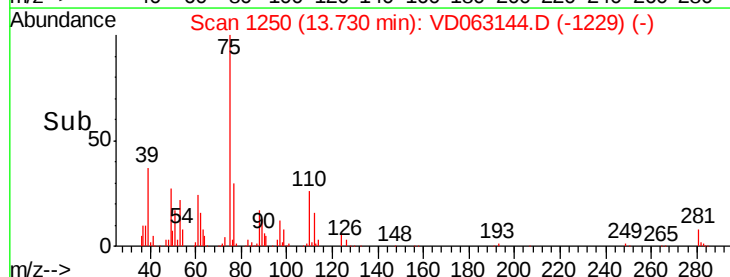
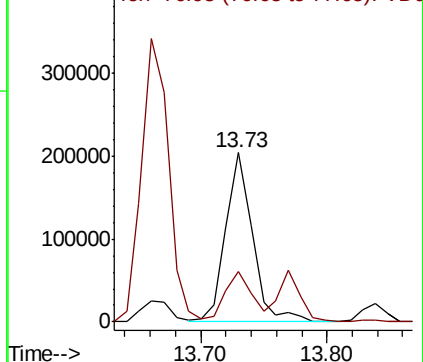
Ion Ratio Lower Upper

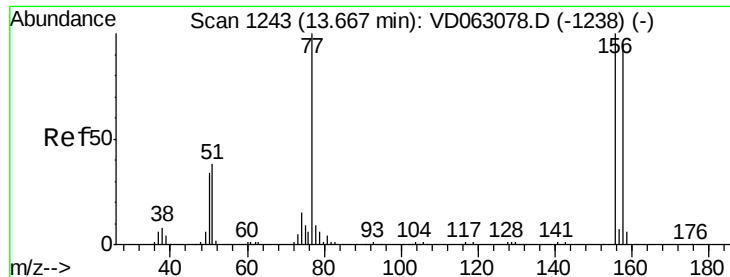
75 100

77 29.8 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: 52.487 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

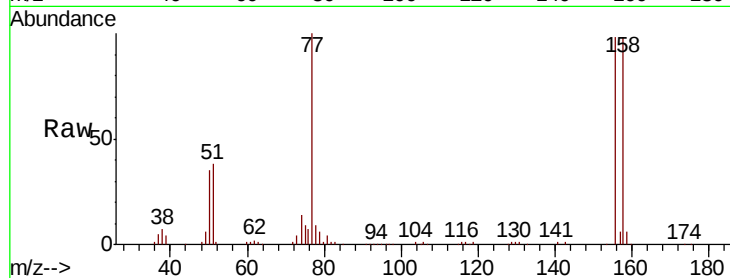
Tot Ion:156 Resp: 417835

Ion Ratio Lower Upper

156 100

77 102.1 50.2 150.7

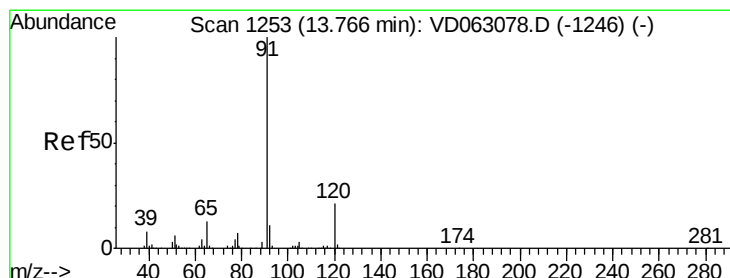
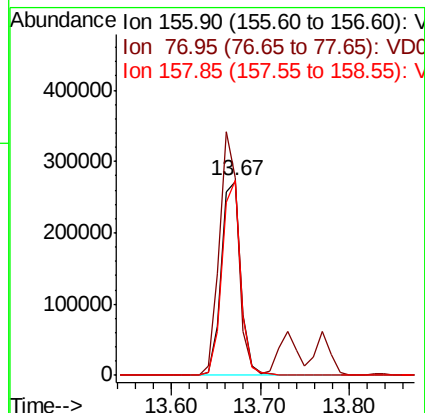
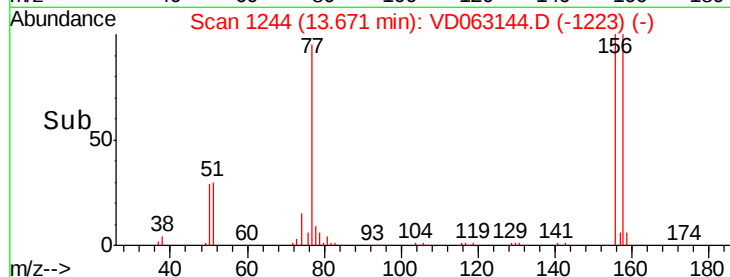
158 100.3 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.722 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063144.D

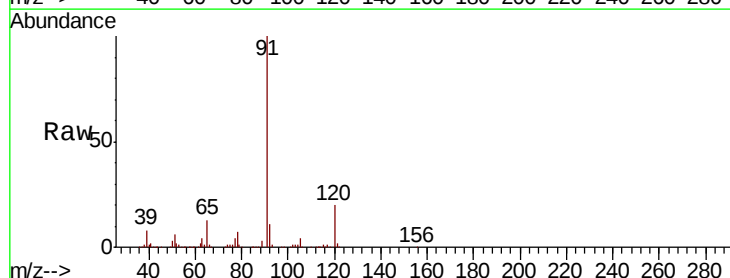
Acq: 17 Jul 2019 21:10

Tgt Ion: 91 Resp: 1735462

Ion Ratio Lower Upper

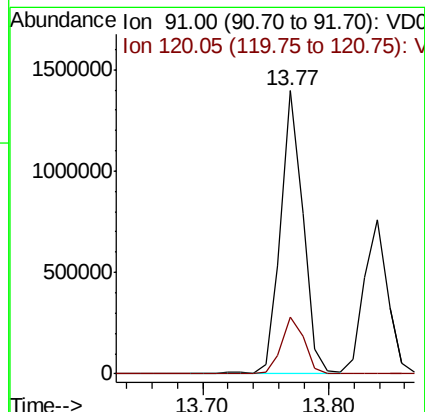
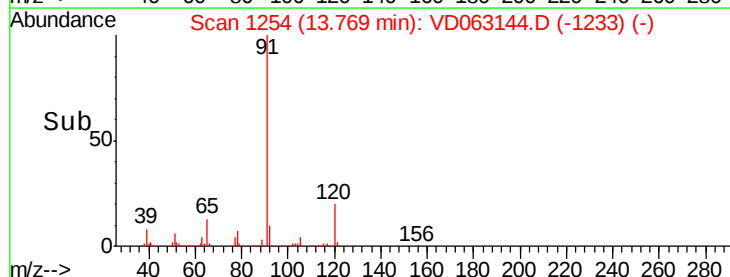
91 100

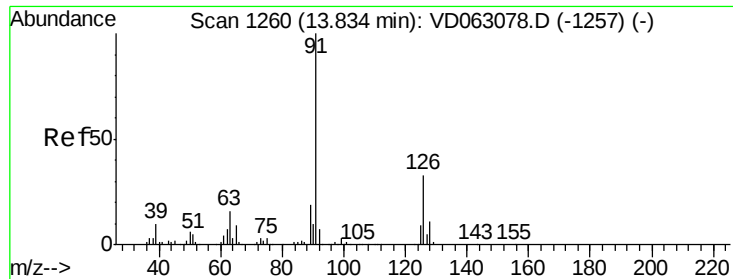
120 20.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

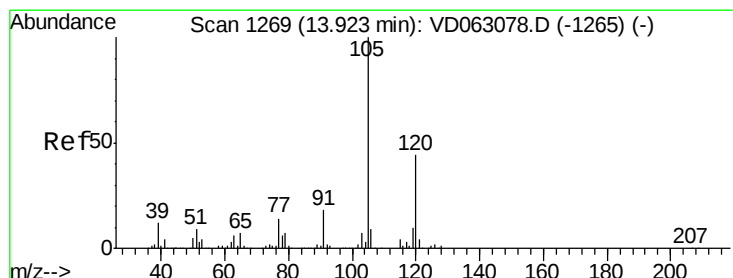
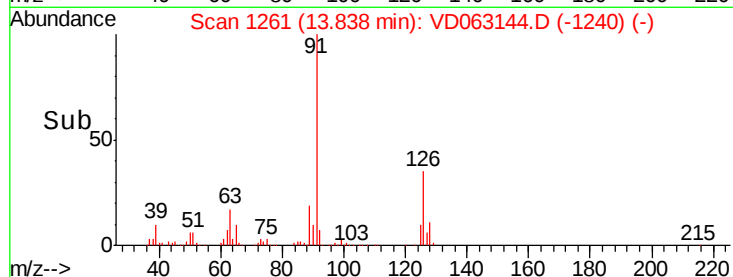
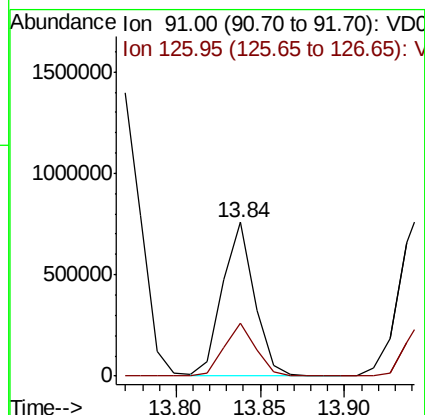
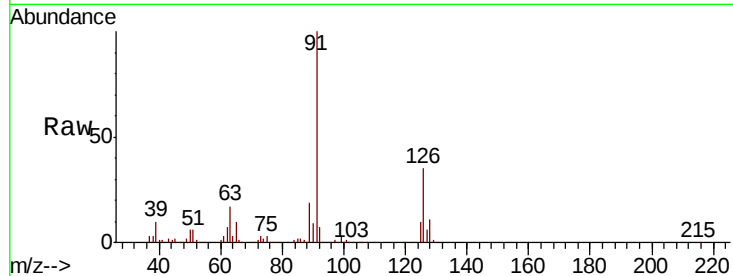




#79
 2-Chlorotoluene
 Concen: 51.016 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

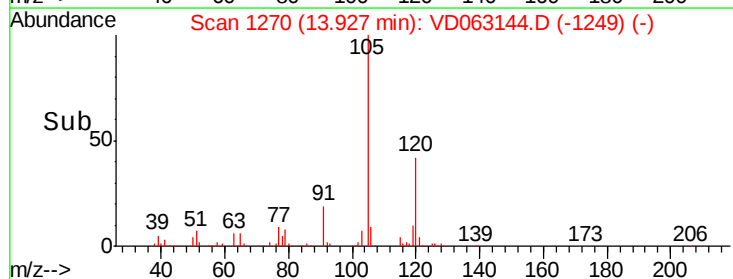
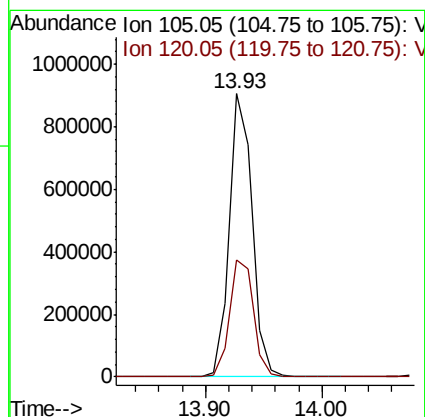
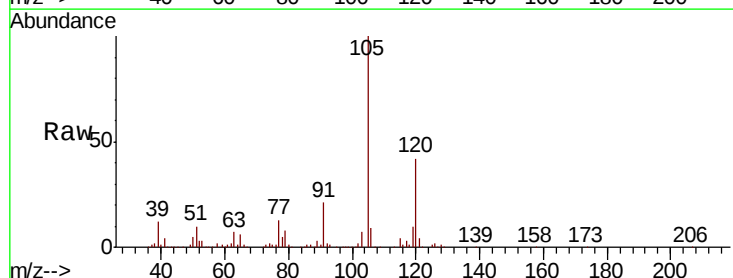
Instrument :
 MSVOA_D
 ClientSampleId :

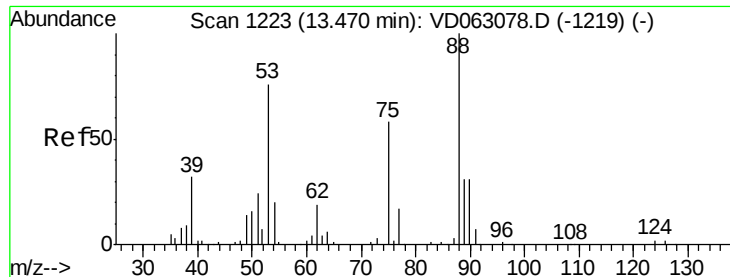
Tot Ion: 91 Resp: 996456
 Ion Ratio Lower Upper
 91 100
 126 34.8 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 49.983 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion: 105 Resp: 1222894
 Ion Ratio Lower Upper
 105 100
 120 41.5 21.8 65.4

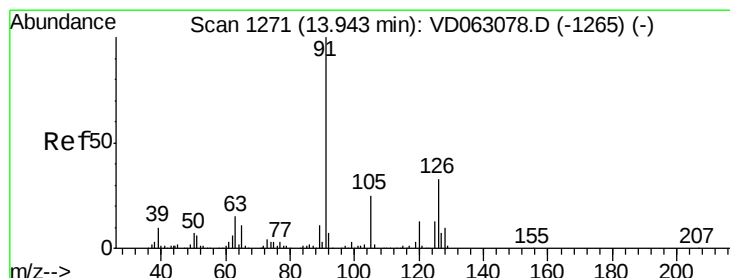
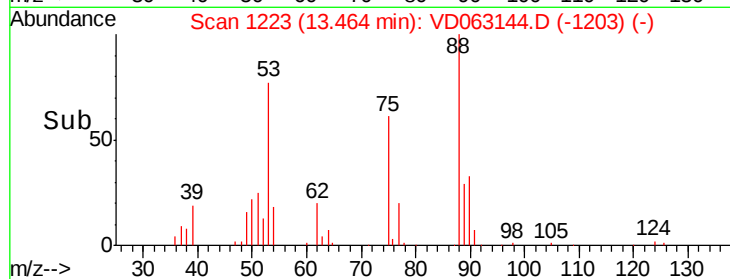
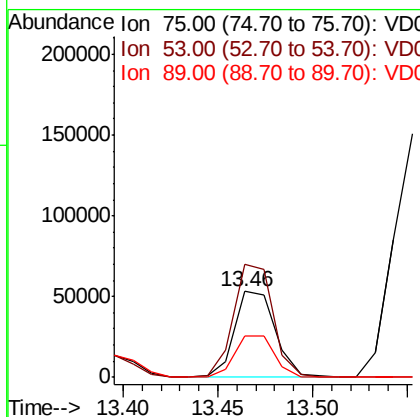
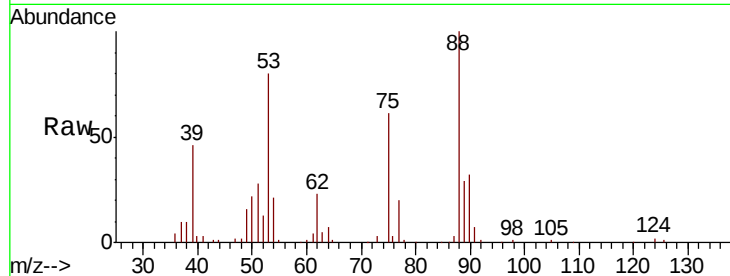




#81
trans-1,4-Dichloro-2-butene
Concen: 53.808 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

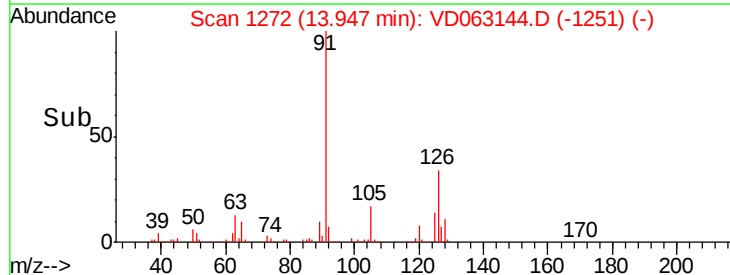
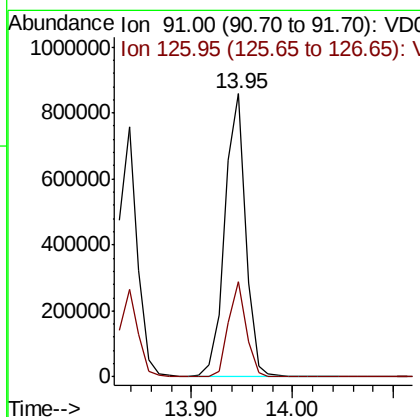
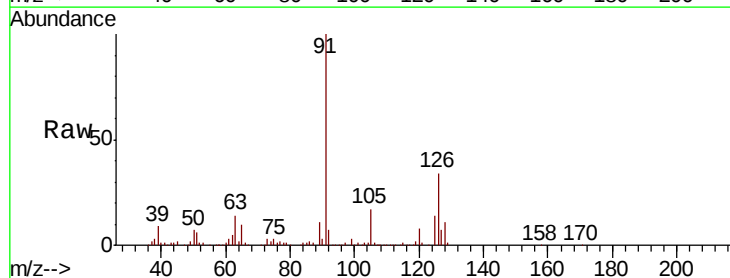
Instrument :
MSVOA_D
ClientSampleId :

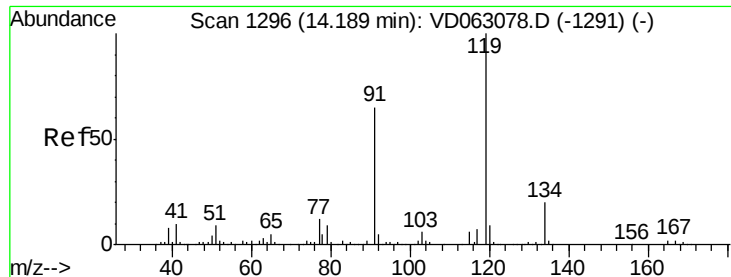
Tot Ion: 75 Resp: 79231
Ion Ratio Lower Upper
75 100
53 131.9 104.4 156.6
89 47.4 43.1 64.7



#82
4-Chlorotoluene
Concen: 53.525 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063144.D
Acq: 17 Jul 2019 21:10

Tgt Ion: 91 Resp: 1220817
Ion Ratio Lower Upper
91 100
126 33.8 16.7 50.1





#83

tert-Butylbenzene

Concen: 54.173 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

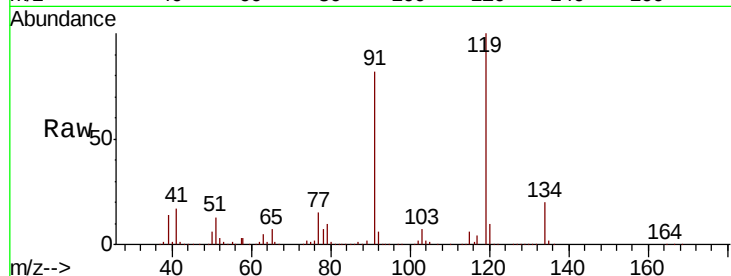
Tot Ion:119 Resp: 1498646

Ion Ratio Lower Upper

119 100

91 81.5 32.4 97.2

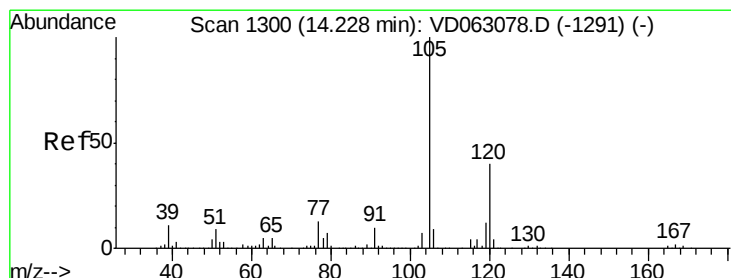
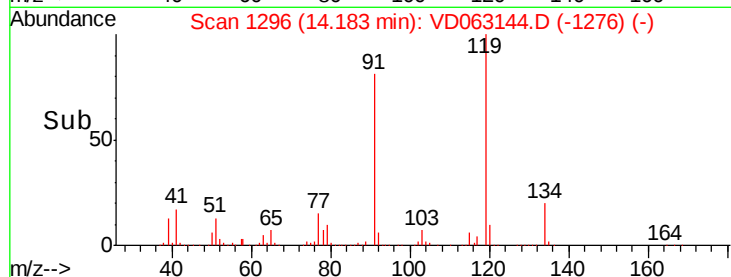
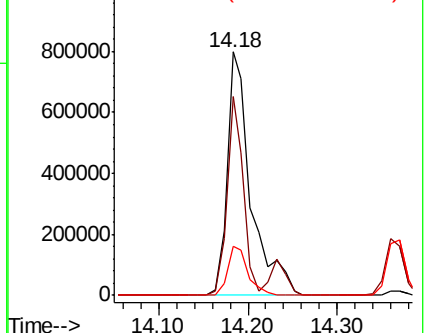
134 20.2 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.676 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063144.D

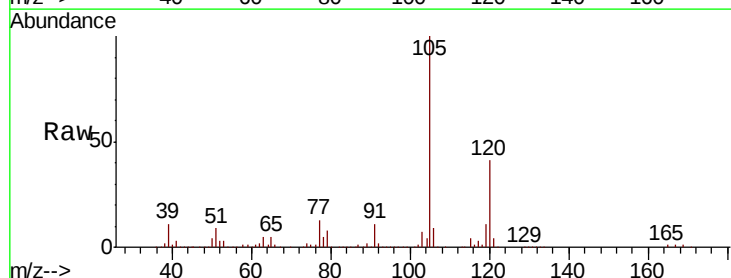
Acq: 17 Jul 2019 21:10

Tgt Ion:105 Resp: 1309244

Ion Ratio Lower Upper

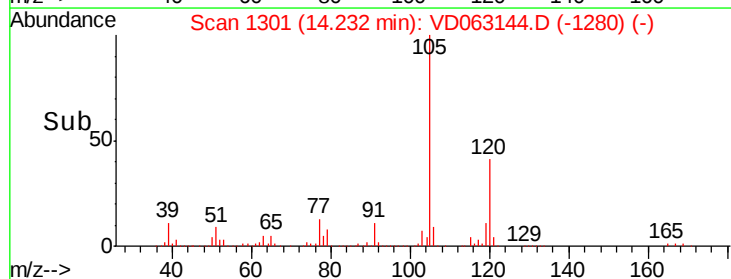
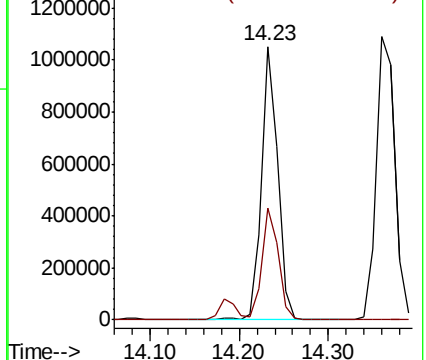
105 100

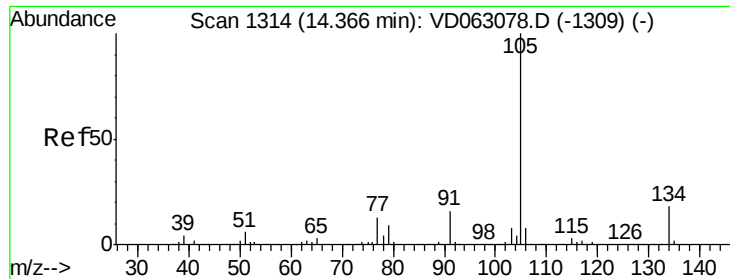
120 40.7 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.675 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

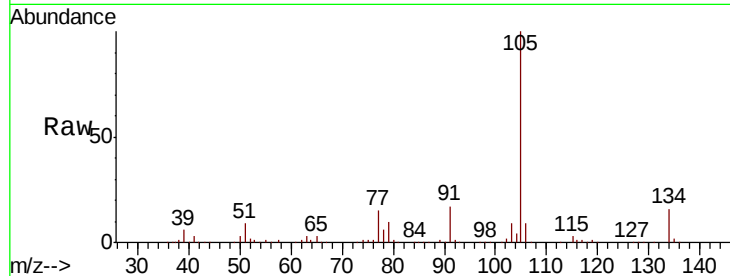
ClientSampled :

Tot Ion:105 Resp: 1548254

Ion Ratio Lower Upper

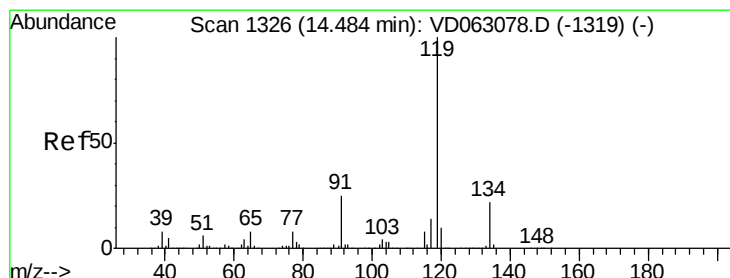
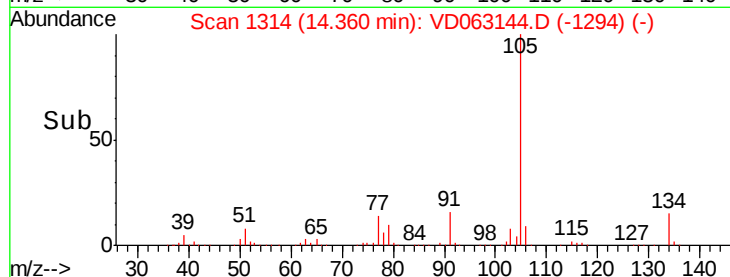
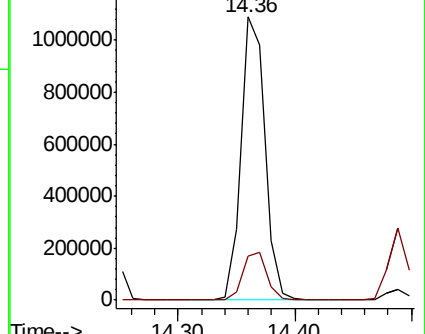
105 100

134 15.6 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: 51.209 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

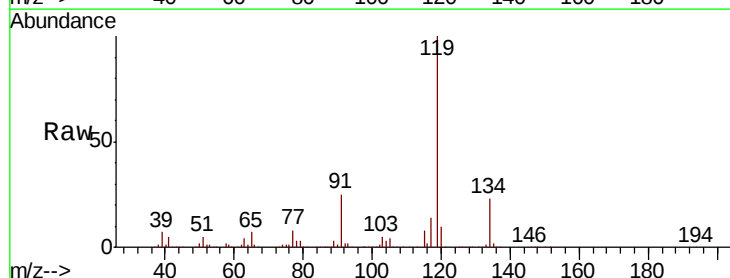
Tgt Ion:119 Resp: 1404121

Ion Ratio Lower Upper

119 100

134 23.1 10.8 32.4

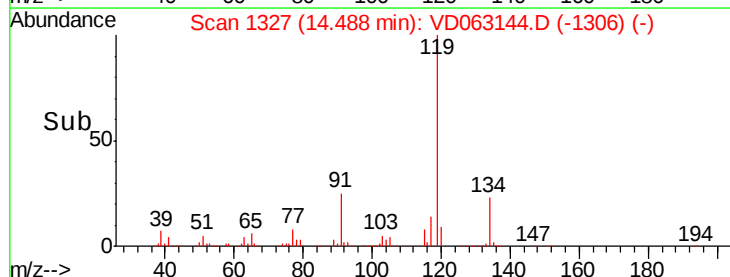
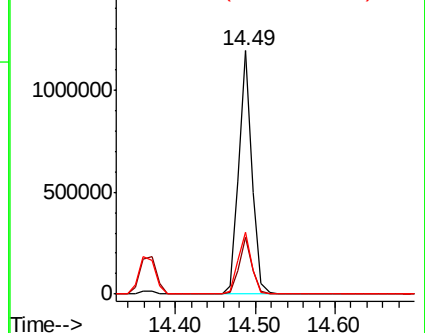
91 25.4 12.5 37.5

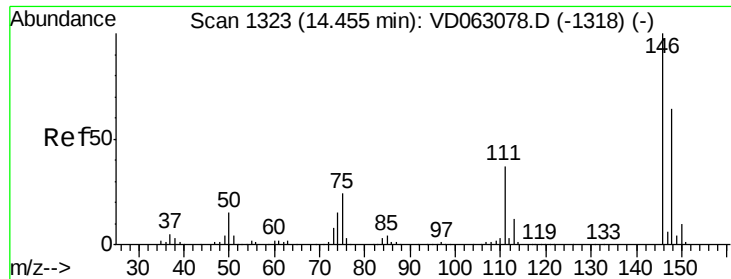


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

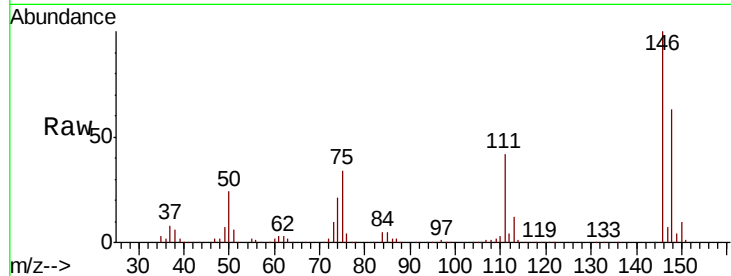




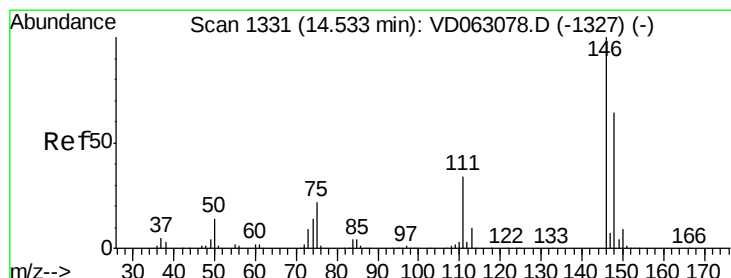
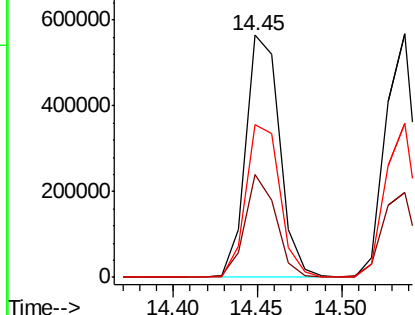
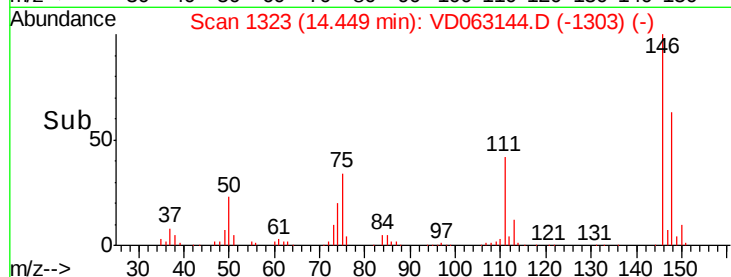
#87
 1,3-Dichlorobenzene
 Concen: 55.540 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 789597
 Ion Ratio Lower Upper
 146 100
 111 42.3 18.6 55.6
 148 63.4 32.0 96.0

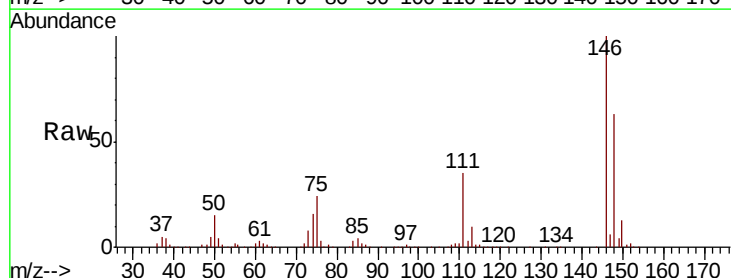


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

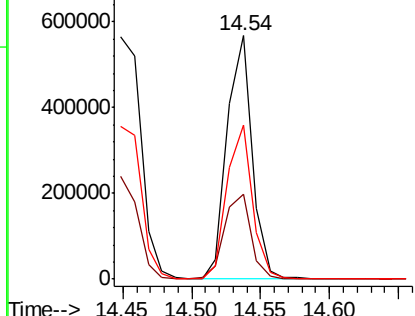
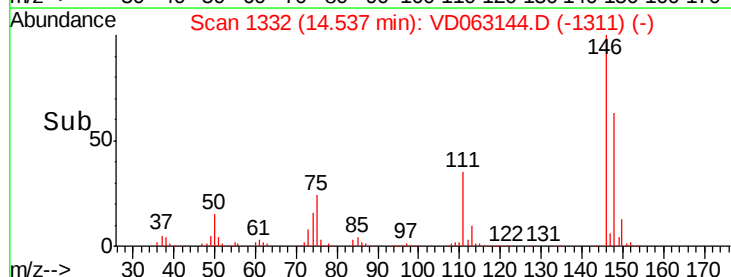


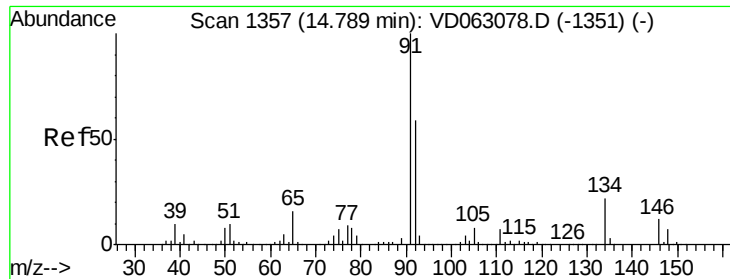
#88
 1,4-Dichlorobenzene
 Concen: 52.547 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion:146 Resp: 716182
 Ion Ratio Lower Upper
 146 100
 111 34.9 17.0 51.0
 148 63.1 32.0 96.2



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





#89

n-Butylbenzene

Concen: 52.483 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

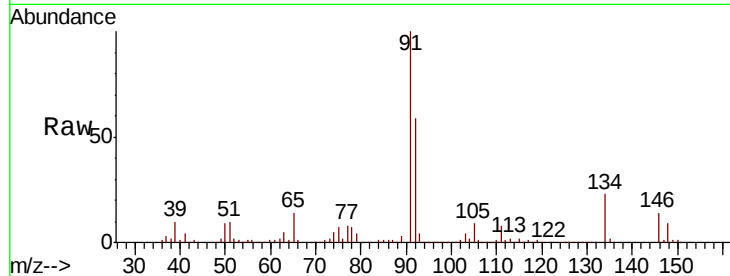
Tot Ion: 91 Resp: 1326398

Ion Ratio Lower Upper

91 100

92 58.8 29.4 88.3

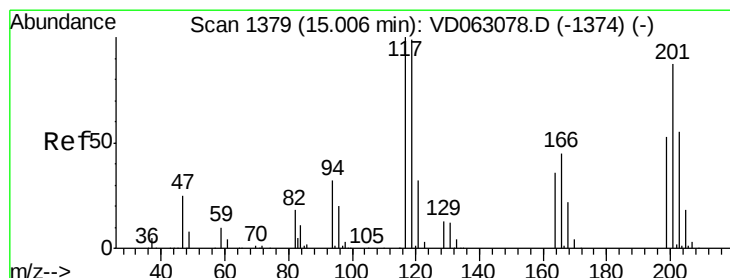
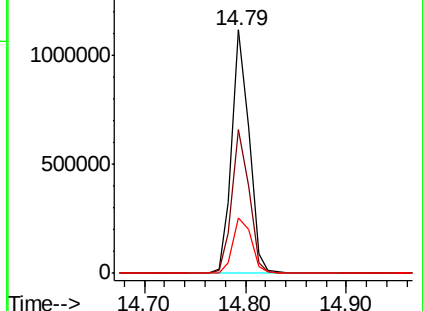
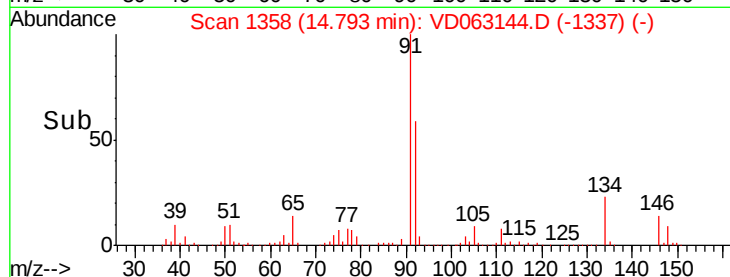
134 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 56.408 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063144.D

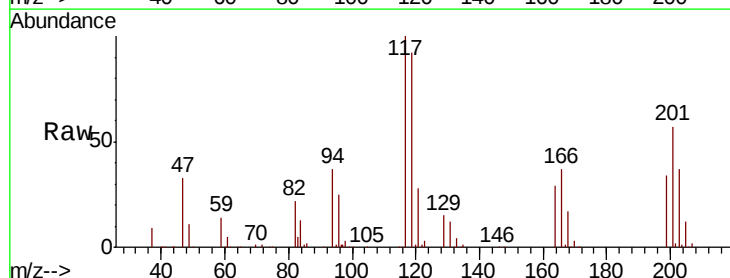
Acq: 17 Jul 2019 21:10

Tgt Ion: 117 Resp: 413469

Ion Ratio Lower Upper

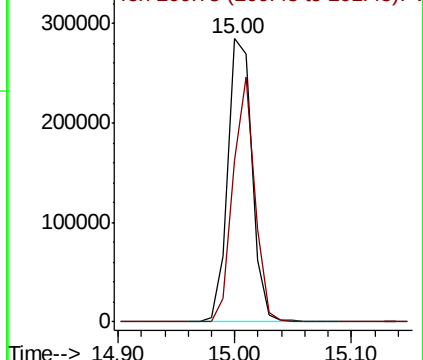
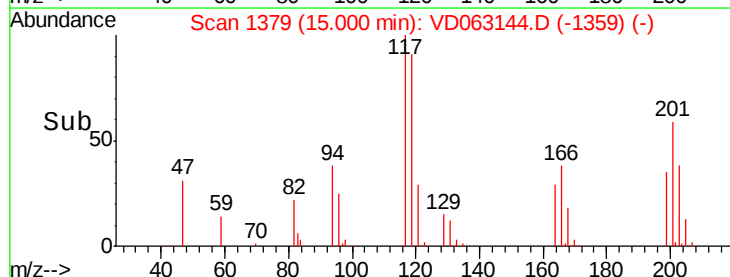
117 100

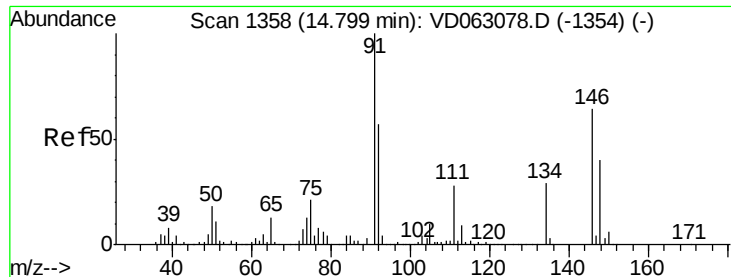
201 57.3 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

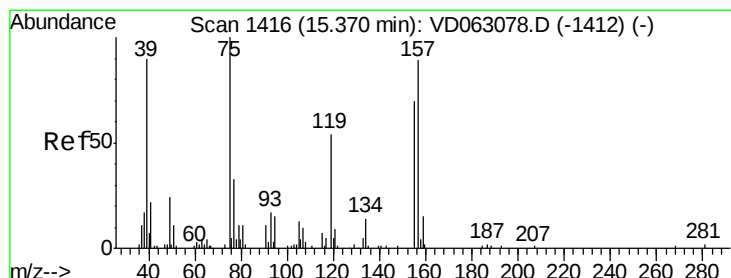
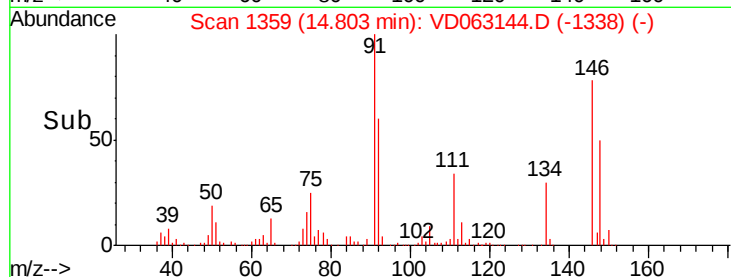
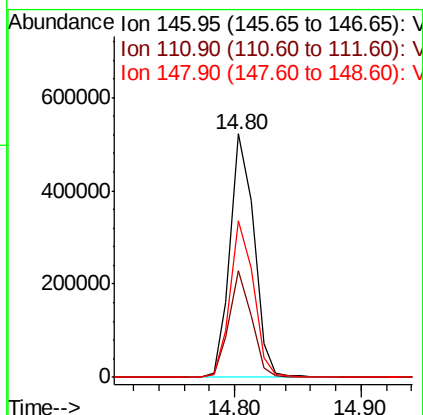
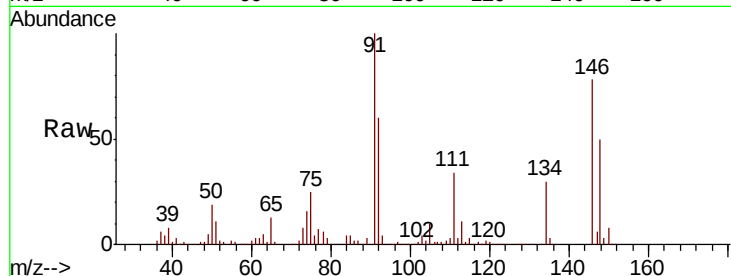




#91
 1,2-Dichlorobenzene
 Concen: 54.052 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

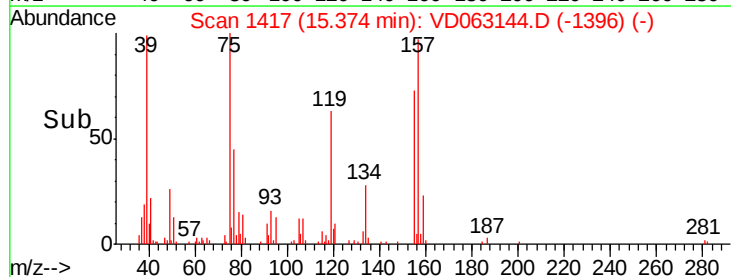
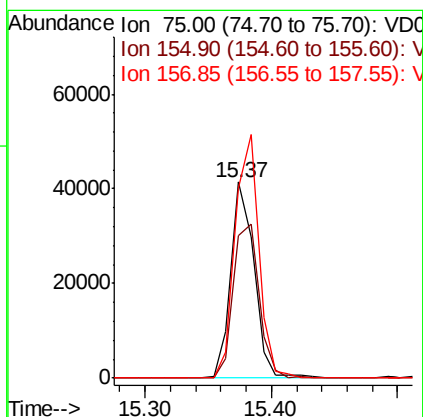
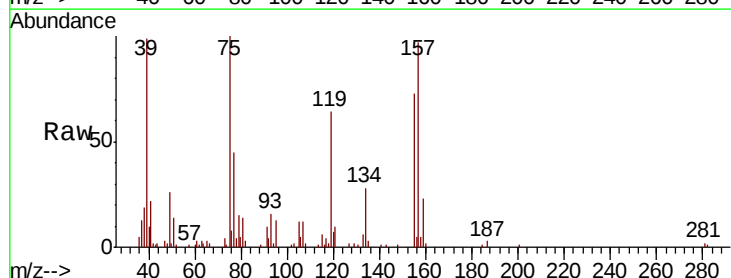
Instrument :
 MSVOA_D
 ClientSampleId :

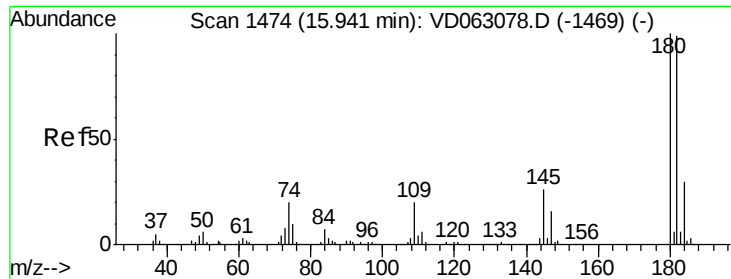
Tot Ion:146 Resp: 684268
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.9 65.5
 148 64.3 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.810 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion: 75 Resp: 52680
 Ion Ratio Lower Upper
 75 100
 155 72.7 34.8 104.3
 157 96.8 44.7 134.1

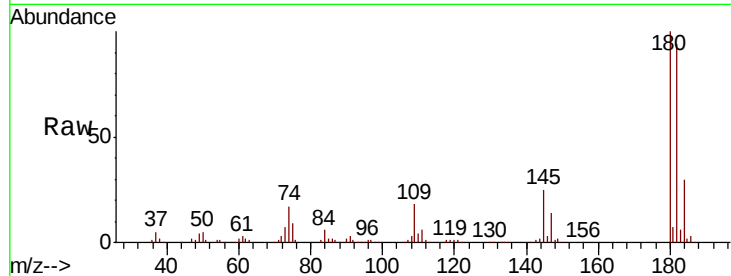




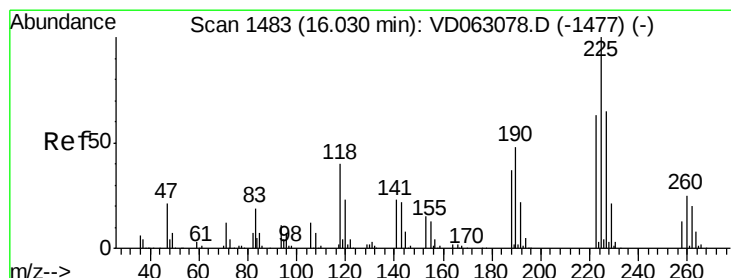
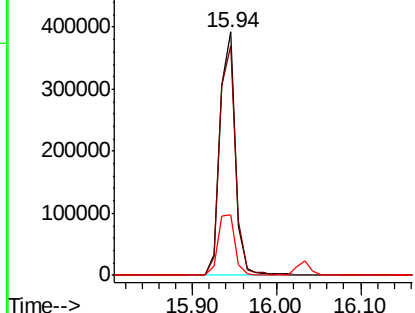
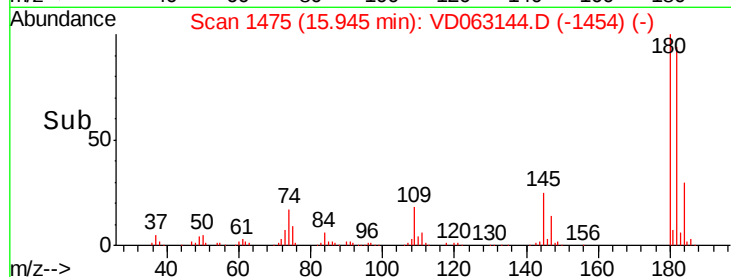
#93
 1,2,4-Trichlorobenzene
 Concen: 52.354 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 497930
 Ion Ratio Lower Upper
 180 100
 182 94.0 49.5 148.3
 145 25.0 12.8 38.4

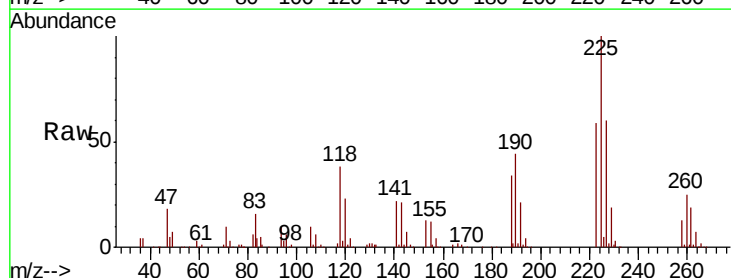


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

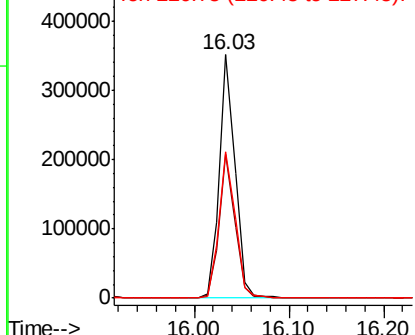
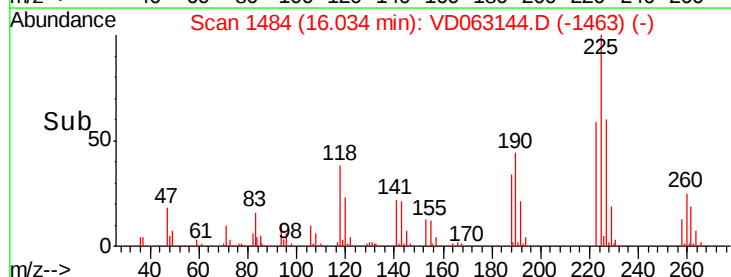


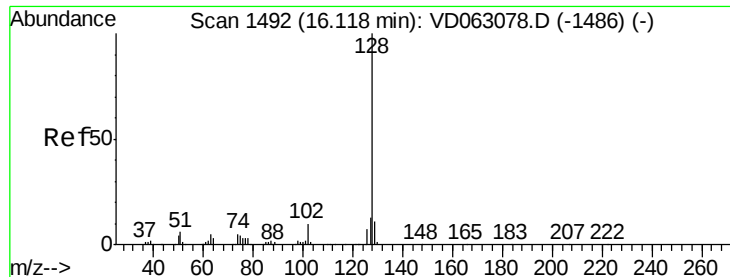
#94
 Hexachlorobutadiene
 Concen: 57.652 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063144.D
 Acq: 17 Jul 2019 21:10

Tgt Ion:225 Resp: 404160
 Ion Ratio Lower Upper
 225 100
 223 59.3 31.4 94.2
 227 60.3 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: 53.221 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

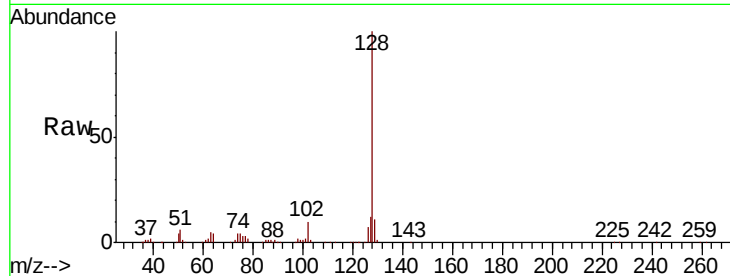
Tot Ion:128 Resp: 740419

Ion Ratio Lower Upper

128 100

127 11.6 10.7 16.1

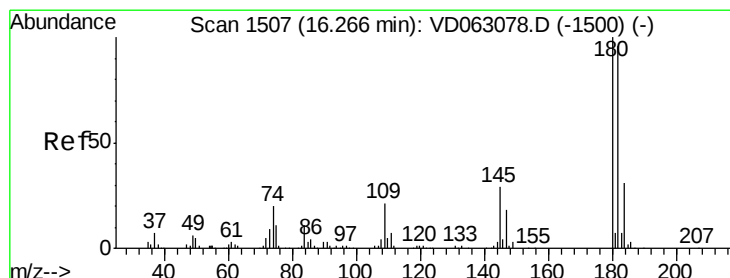
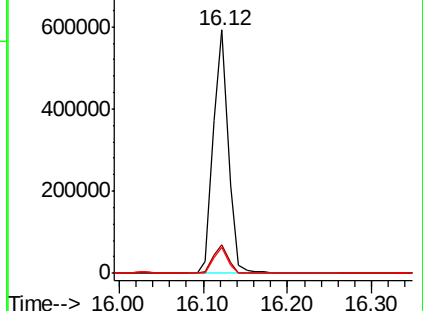
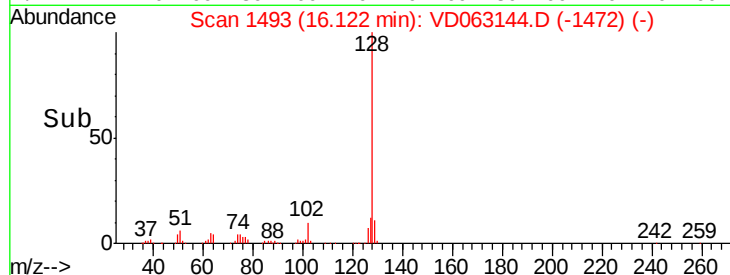
129 10.5 8.7 13.1



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: 58.143 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD063144.D

Acq: 17 Jul 2019 21:10

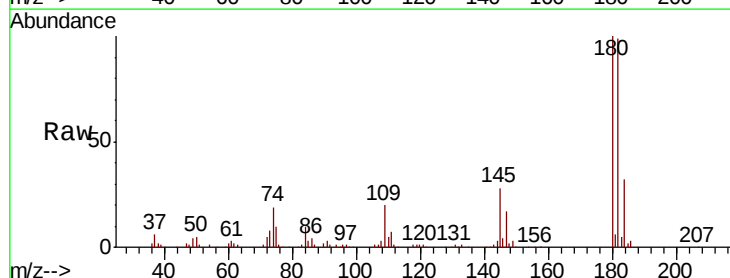
Tgt Ion:180 Resp: 444848

Ion Ratio Lower Upper

180 100

182 98.8 47.9 143.6

145 27.9 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

