

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063136.D
 Acq On : 17 Jul 2019 17:26
 Operator : VA/AP
 Sample : VD0717SBS02
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:58:02 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	593456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	817043	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	684441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	410707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	395919	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	6.92	113	439299	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.42	98	914457	52.31	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	13.56	95	432378	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	181962	27.844	ug/l	98
3) Chloromethane	1.74	50	146627	25.642	ug/l #	83
4) Vinyl Chloride	1.84	62	144043	22.742	ug/l	99
5) Bromomethane	2.15	94	60632	23.363	ug/l	85
6) Chloroethane	2.26	64	66436	22.581	ug/l	92
7) Trichlorofluoromethane	2.52	101	283562	22.115	ug/l	97
8) Diethyl Ether	2.88	74	41840	23.198	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.14	101	148508	20.087	ug/l	100
10) Methyl Iodide	3.30	142	178437	19.659	ug/l	99
11) Tert butyl alcohol	4.10	59	44581	104.494	ug/l #	73
12) 1,1-Dichloroethene	3.12	96	118619	22.594	ug/l	98
13) Acrolein	3.04	56	17027	132.232	ug/l #	78
14) Allyl chloride	3.61	41	194583	23.582	ug/l	91
15) Acrylonitrile	4.21	53	103728	109.988	ug/l #	85
16) Acetone	3.23	43	180013	100.817	ug/l	100
17) Carbon Disulfide	3.37	76	330049	21.963	ug/l	99
18) Methyl Acetate	3.64	43	98321	40.426	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	297438	22.443	ug/l	98
20) Methylene Chloride	3.81	84	129793	19.241	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	134056	23.001	ug/l	92
22) Diisopropyl ether	5.12	45	404824	22.566	ug/l #	97
23) Vinyl Acetate	5.06	43	1178794	112.627	ug/l	100
24) 1,1-Dichloroethane	4.98	63	249038	22.536	ug/l	98
25) 2-Butanone	6.08	43	183540	107.645	ug/l	97
26) 2,2-Dichloropropane	6.03	77	266133	21.760	ug/l	93
27) cis-1,2-Dichloroethene	6.05	96	153502	23.153	ug/l	92
28) Bromochloromethane	6.44	49	94059	23.461	ug/l	86
29) Tetrahydrofuran	6.47	42	88642	114.686	ug/l	99
30) Chloroform	6.67	83	306151	22.495	ug/l	99
31) Cyclohexane	6.96	56	156635	22.257	ug/l	86
32) 1,1,1-Trichloroethane	6.87	97	301633	22.476	ug/l	94
36) 1,1-Dichloropropene	7.15	75	211679	23.036	ug/l	94
37) Ethyl Acetate	6.18	43	83424	21.213	ug/l #	98
38) Carbon Tetrachloride	7.11	117	310324	22.225	ug/l	95

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:58:02 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)
39) Methylcyclohexane	8.87	83	165470	20.829	ug/l	97
40) Benzene	7.45	78	412897	21.454	ug/l	95
41) Methacrylonitrile	6.46	41	123925	23.243	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	243319	23.730	ug/l	99
43) Isopropyl Acetate	9.25	43	121877	21.621	ug/l #	97
44) Trichloroethene	8.55	130	158387	21.295	ug/l	95
45) 1,2-Dichloropropane	8.94	63	101603	21.174	ug/l	94
46) Dibromomethane	9.07	93	91140	22.103	ug/l	94
47) Bromodichloromethane	9.38	83	235786	21.913	ug/l	98
48) Methyl methacrylate	9.13	41	83696	22.610	ug/l #	86
49) 1,4-Dioxane	9.10	88	17038	533.690	ug/l #	75
51) 4-Methyl-2-Pentanone	10.31	43	435810	116.566	ug/l	96
52) Toluene	10.52	92	285233	22.194	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	197183	21.390	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	217911	22.861	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	99928	22.499	ug/l #	86
56) Ethyl methacrylate	11.05	69	111461	22.461	ug/l	93
57) 1,3-Dichloropropane	11.41	76	138592	20.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	295706	107.021	ug/l	98
59) 2-Hexanone	11.53	43	328173	113.816	ug/l	97
60) Dibromochloromethane	11.69	129	184793	21.706	ug/l	96
61) 1,2-Dibromoethane	11.81	107	126781	23.848	ug/l	98
64) Tetrachloroethene	11.26	164	151590	22.825	ug/l	92
65) Chlorobenzene	12.40	112	334548	20.793	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	160818	21.559	ug/l	97
67) Ethyl Benzene	12.52	91	602741	21.561	ug/l	98
68) m/p-Xylenes	12.67	106	462705	46.211	ug/l	97
69) o-Xylene	13.05	106	209157	22.030	ug/l	95
70) Styrene	13.08	104	384281	23.123	ug/l	97
71) Bromoform	13.23	173	118248	22.643	ug/l	96
73) Isopropylbenzene	13.40	105	649397	20.474	ug/l	98
74) N-amyl acetate	13.26	43	183517	20.746	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	120505	20.882	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	126567	20.033	ug/l	96
77) Bromobenzene	13.68	156	182075	20.243	ug/l	96
78) n-propylbenzene	13.77	91	780611	21.387	ug/l	96
79) 2-Chlorotoluene	13.84	91	428027	19.395	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	571765	20.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	34228	20.573	ug/l #	86
82) 4-Chlorotoluene	13.95	91	553494	21.478	ug/l	96
83) tert-Butylbenzene	14.19	119	630562	20.174	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	552159	20.035	ug/l	99
85) sec-Butylbenzene	14.36	105	629088	18.943	ug/l	94
86) p-Isopropyltoluene	14.49	119	627621	20.259	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	335610	20.893	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	329067	21.369	ug/l	97
89) n-Butylbenzene	14.80	91	575925	20.169	ug/l	99
90) Hexachloroethane	15.00	117	150032	18.115	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	306890	21.456	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	21166	19.135	ug/l	81

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Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 18 06:58:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

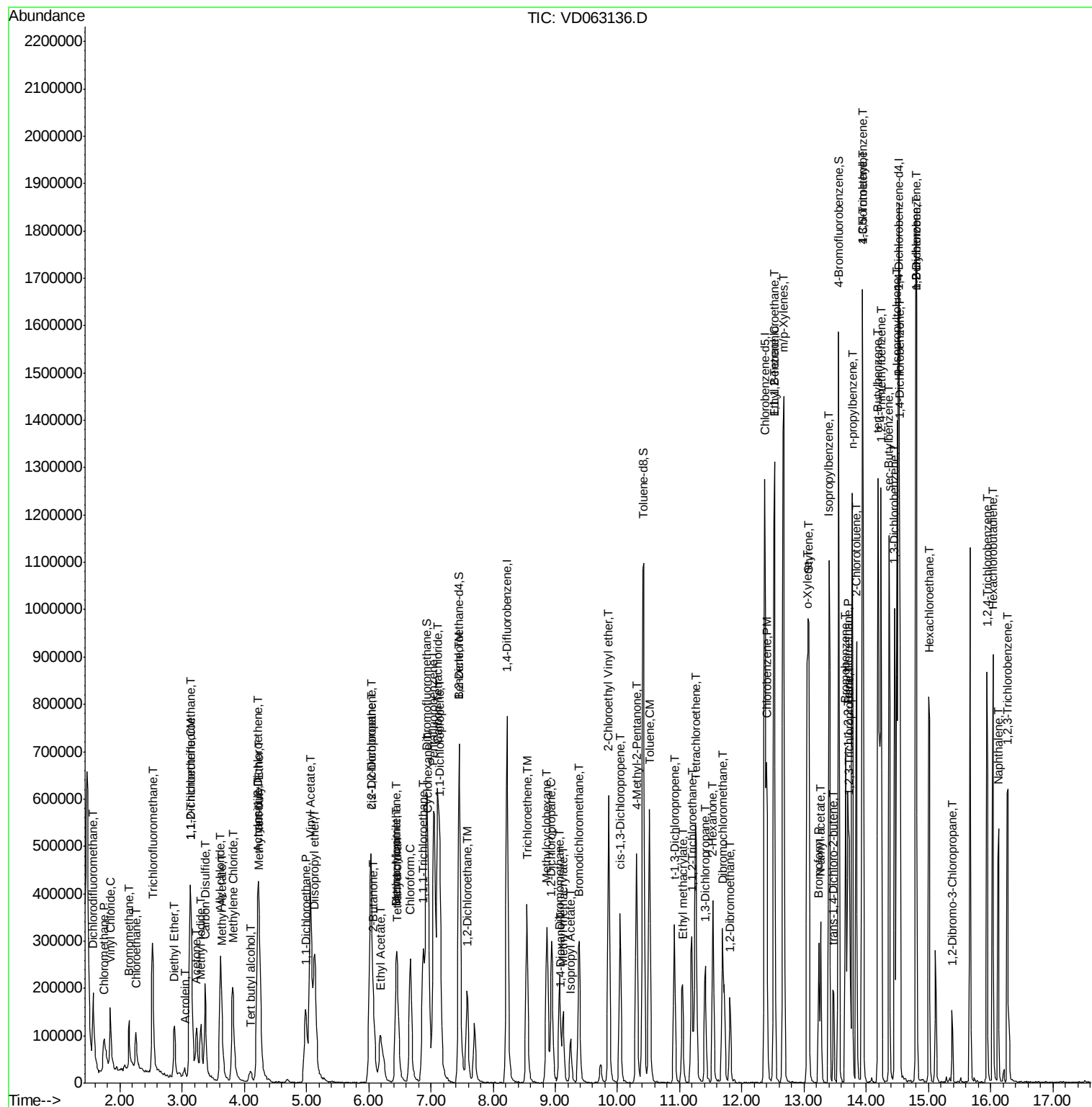
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	224345	20.877	ug/l	95
94) Hexachlorobutadiene	16.04	225	149039	18.816	ug/l	96
95) Naphthalene	16.13	128	350590	22.303	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	173793	20.104	ug/l	95

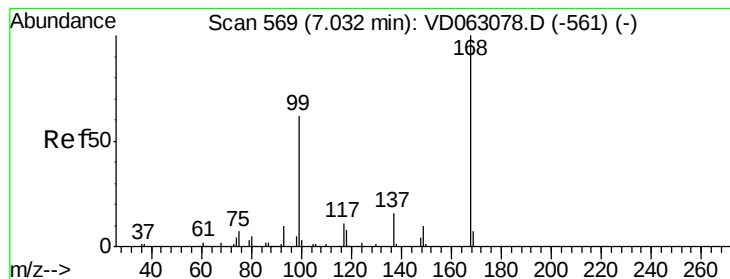
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

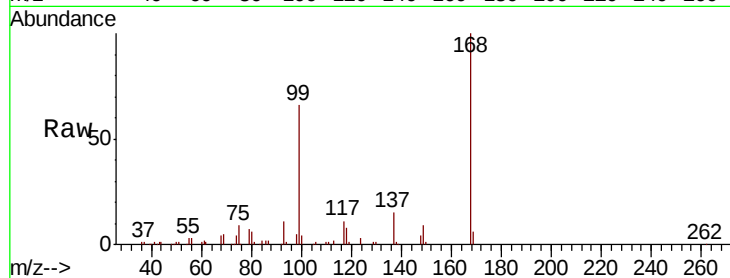
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 593456

Ion Ratio Lower Upper

168 100

99 66.5 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

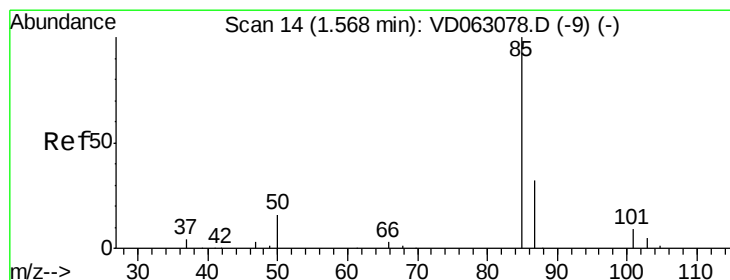
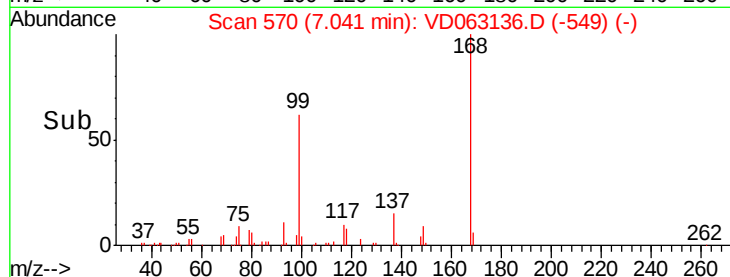
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 27.844 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063136.D

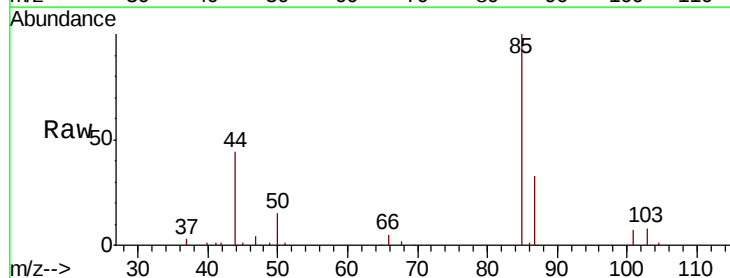
Acq: 17 Jul 2019 17:26

Tgt Ion: 85 Resp: 181962

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

80000

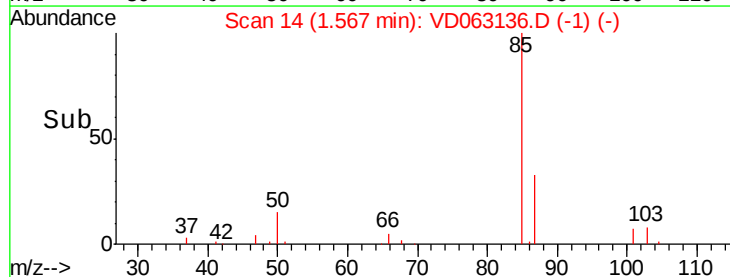
60000

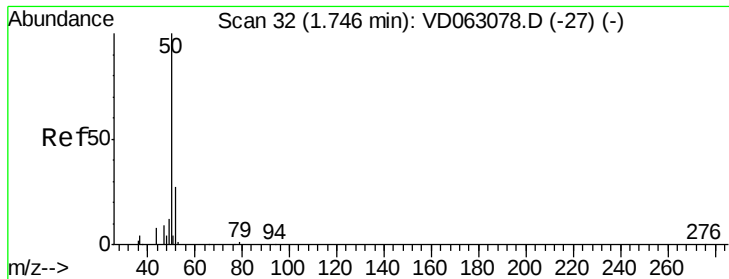
40000

20000

0

Time-->





#3

Chloromethane

Concen: 25.642 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

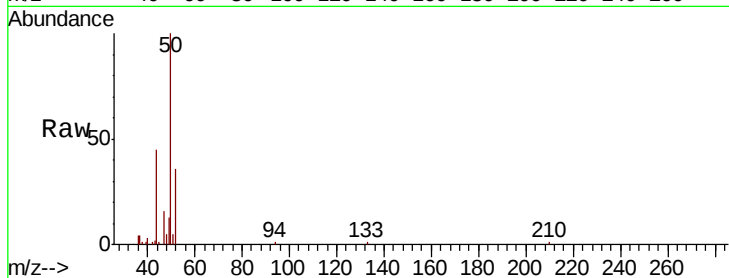
ClientSampled :

Tot Ion: 50 Resp: 146627

Ion Ratio Lower Upper

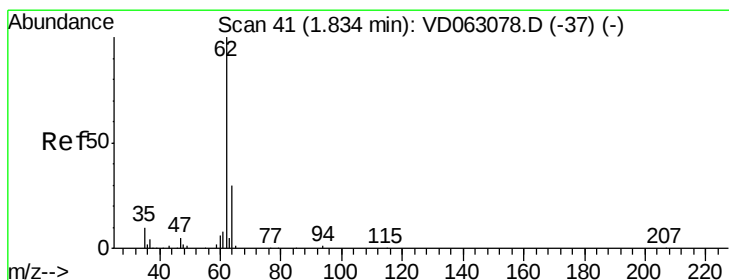
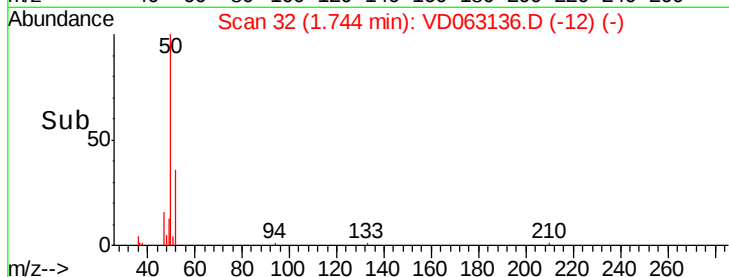
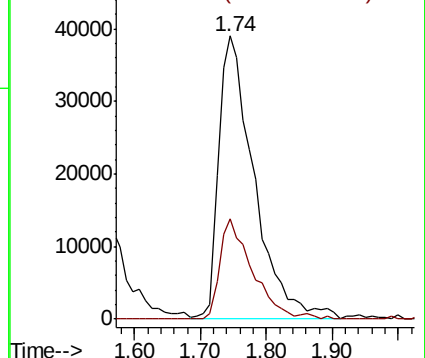
50 100

52 35.5 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.742 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063136.D

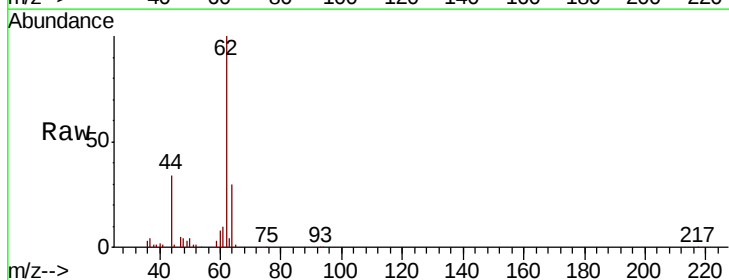
Acq: 17 Jul 2019 17:26

Tgt Ion: 62 Resp: 144043

Ion Ratio Lower Upper

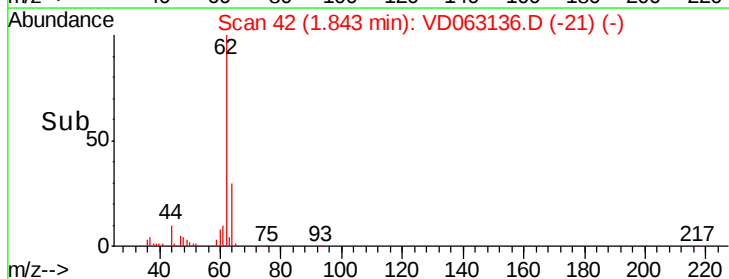
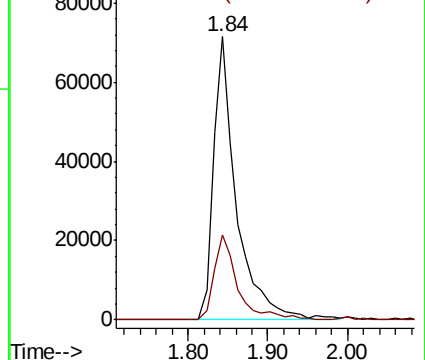
62 100

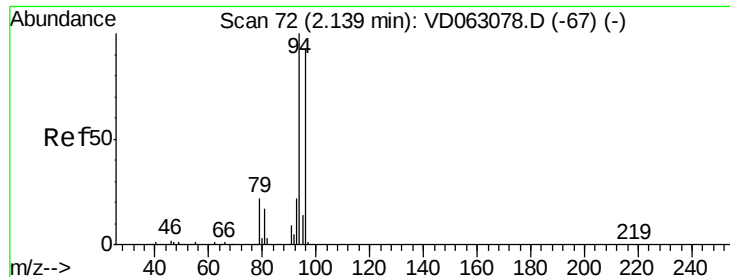
64 29.9 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 23.363 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

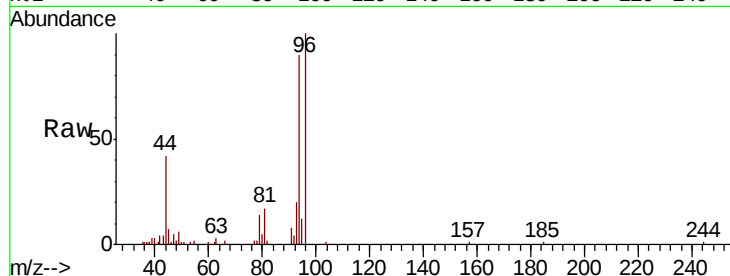
Tot Ion: 94 Resp: 60632

Ion Ratio Lower Upper

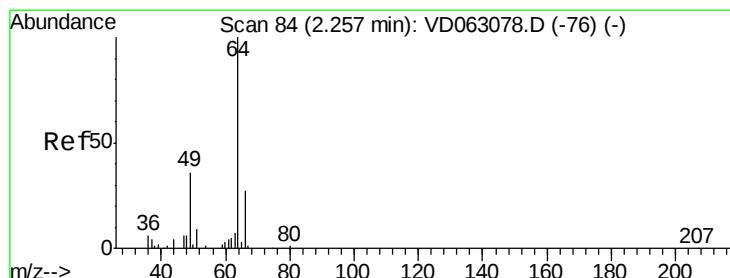
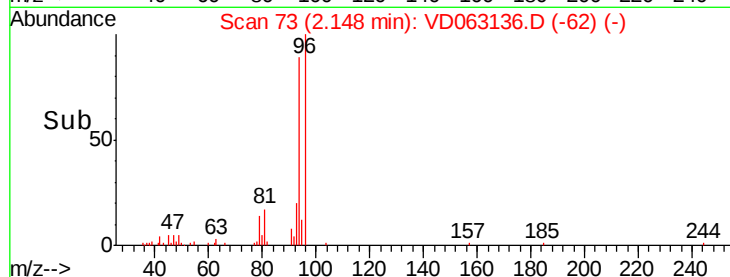
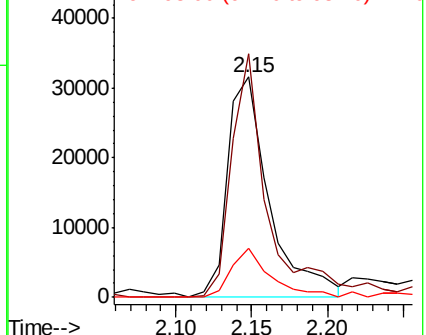
94 100

96 110.6 74.2 111.2

93 22.3 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: 22.581 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063136.D

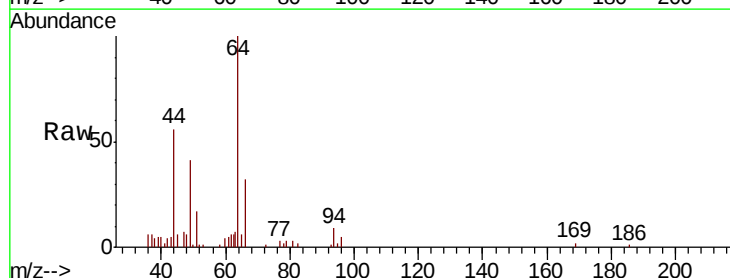
Acq: 17 Jul 2019 17:26

Tgt Ion: 64 Resp: 66436

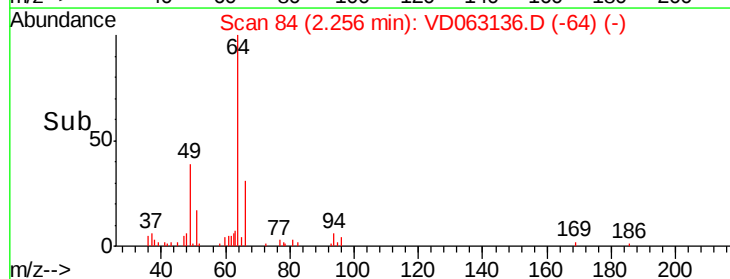
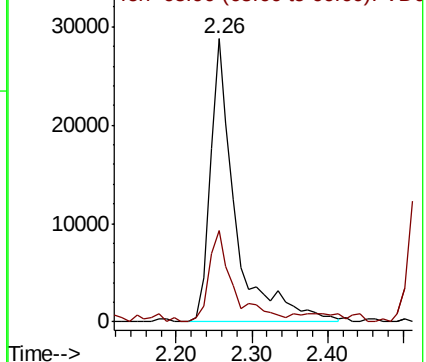
Ion Ratio Lower Upper

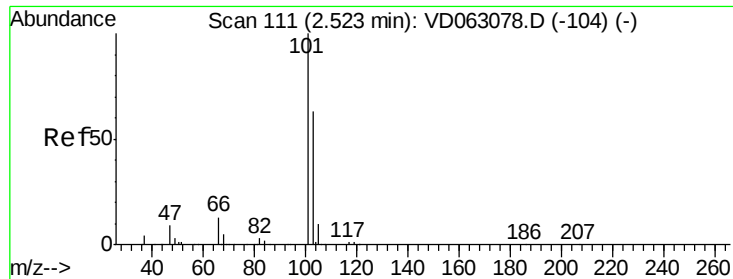
64 100

66 32.1 22.5 33.7



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



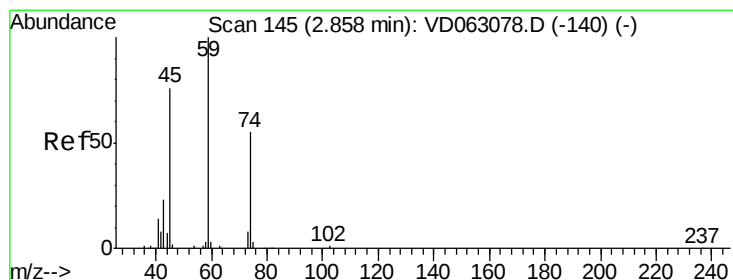
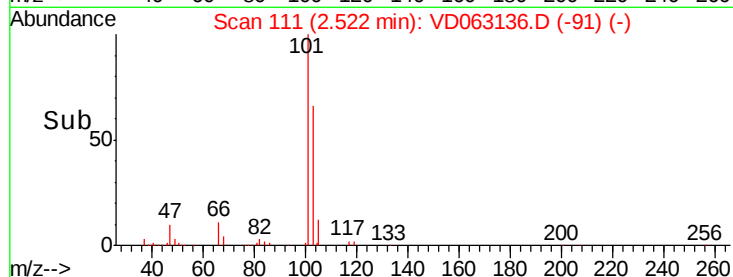
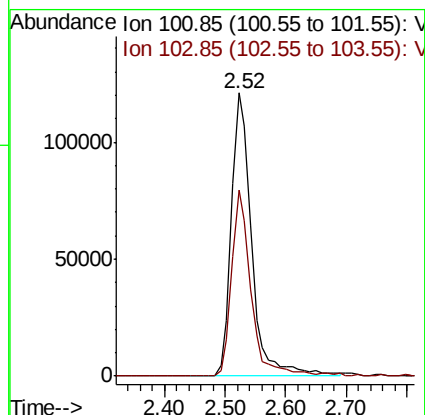
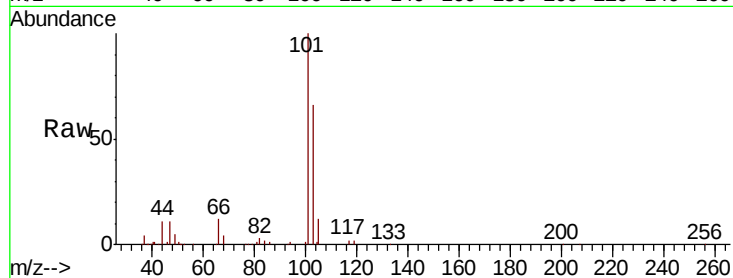


#7

Trichlorofluoromethane
Concen: 22.115 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

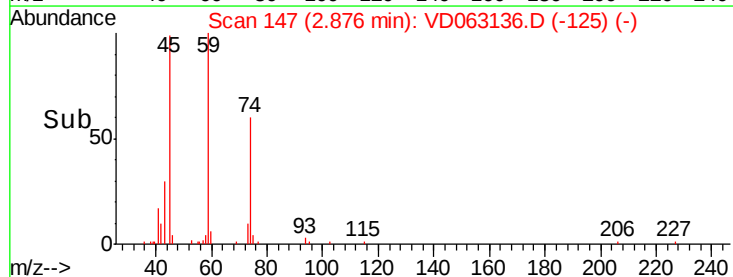
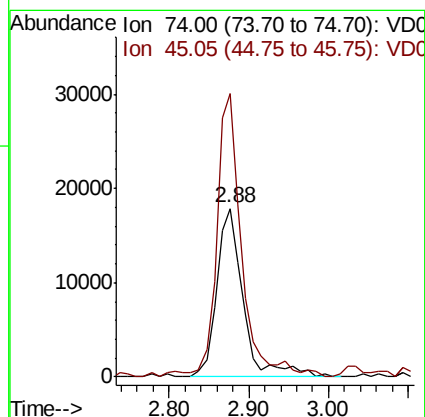
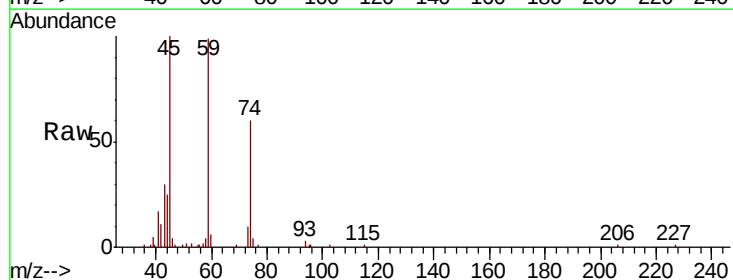
Tot Ion:101 Resp: 283562
Ion Ratio Lower Upper
101 100
103 65.9 50.6 76.0

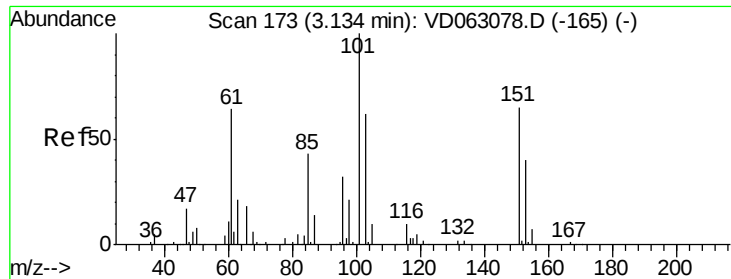


#8

Diethyl Ether
Concen: 23.198 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 74 Resp: 41840
Ion Ratio Lower Upper
74 100
45 167.9 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.087 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

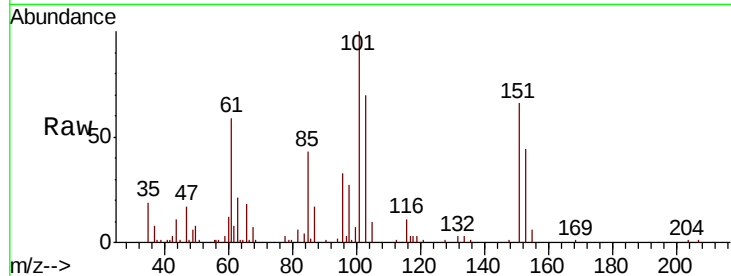
Tot Ion:101 Resp: 148508

Ion Ratio Lower Upper

101 100

85 43.4 34.6 51.8

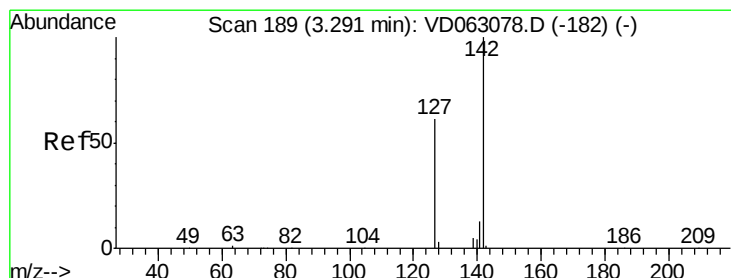
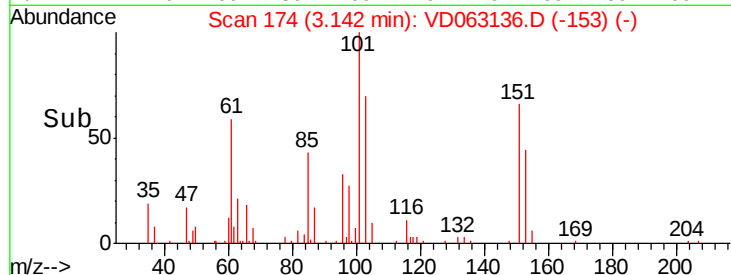
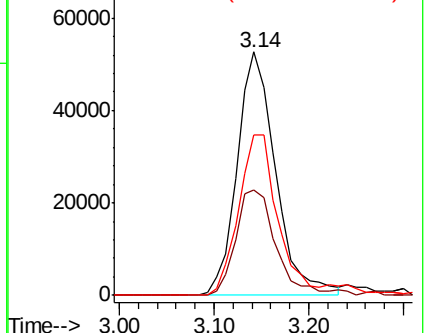
151 65.7 52.4 78.6



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: 19.659 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

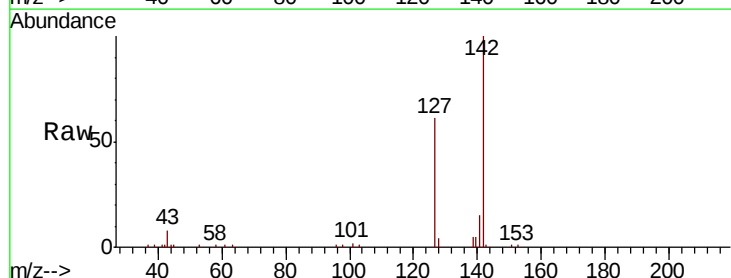
Tgt Ion:142 Resp: 178437

Ion Ratio Lower Upper

142 100

127 60.9 48.6 73.0

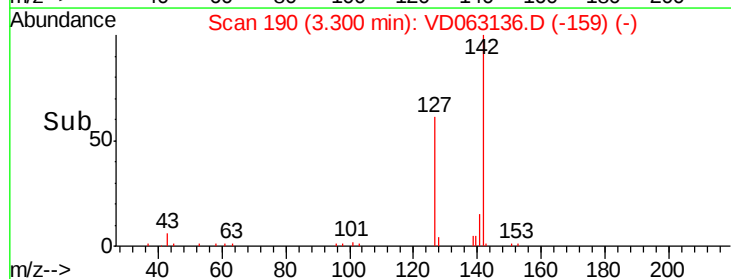
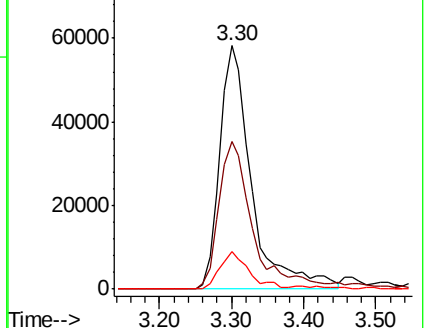
141 15.3 10.6 16.0

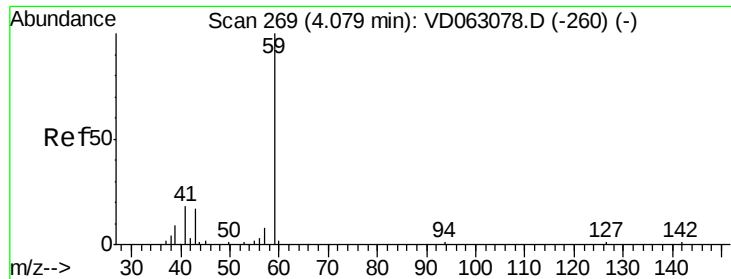


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

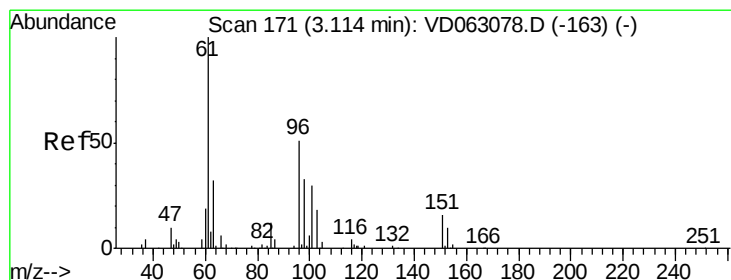
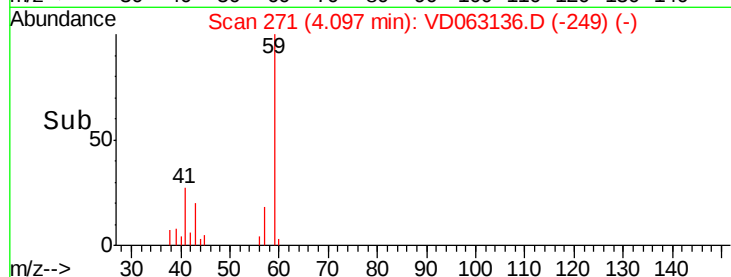
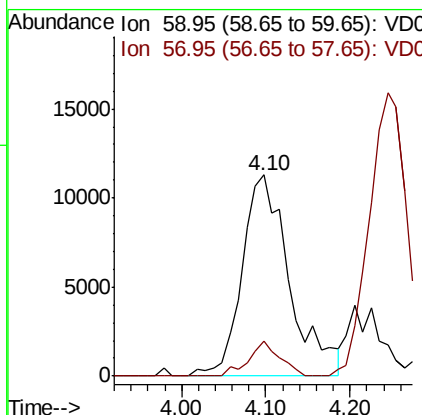
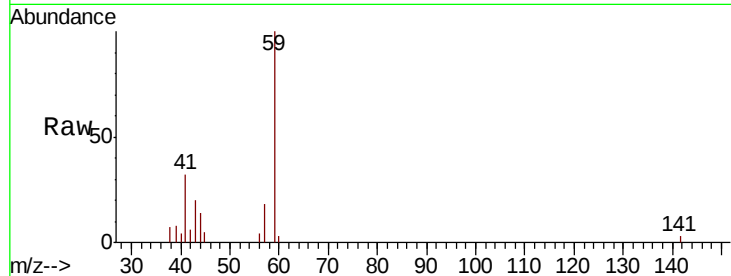




#11
Tert butyl alcohol
Concen: 104.494 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

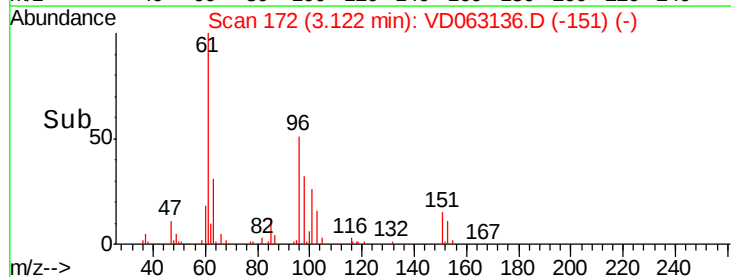
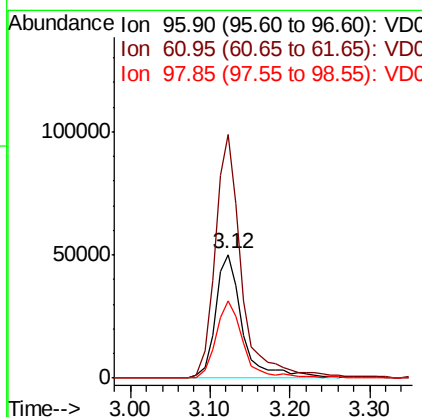
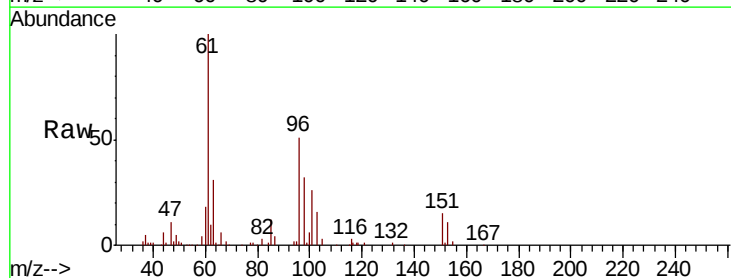
Instrument :
MSVOA_D
ClientSampleId :

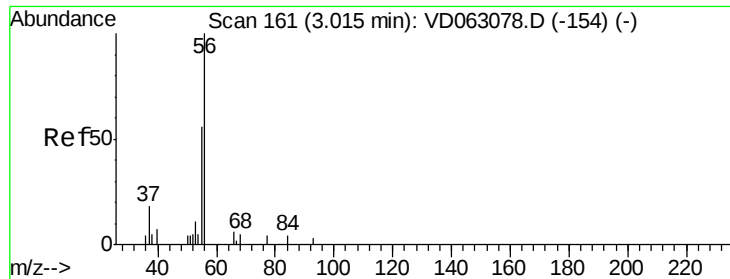
Tot Ion: 59 Resp: 44581
Ion Ratio Lower Upper
59 100
57 17.6 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 22.594 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 96 Resp: 118619
Ion Ratio Lower Upper
96 100
61 197.5 155.5 233.3
98 62.8 51.5 77.3





#13

Acrolein

Concen: 132.232 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.03 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

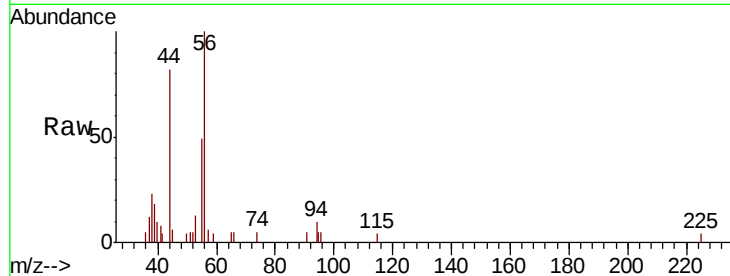
ClientSampleId :

Tot Ion: 56 Resp: 17027

Ion Ratio Lower Upper

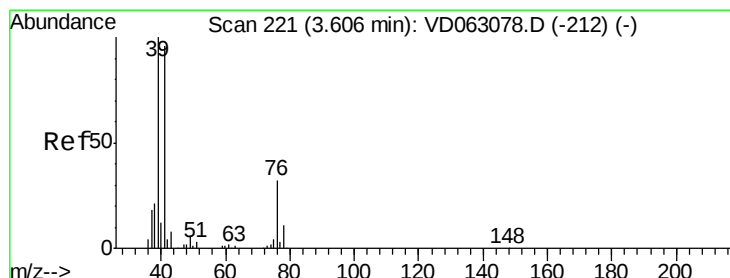
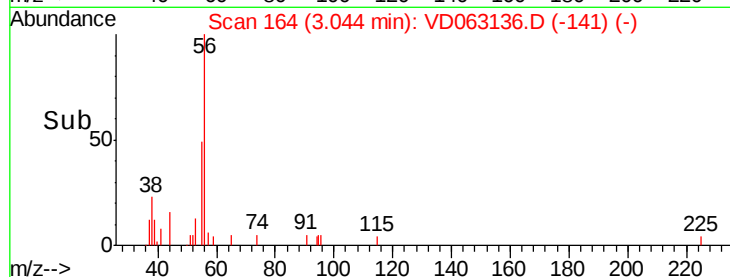
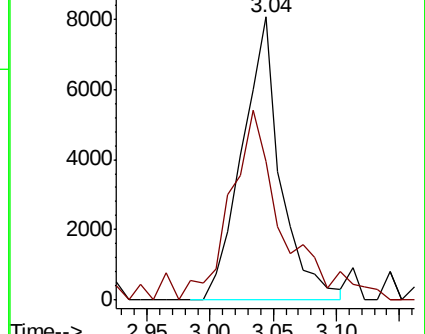
56 100

55 49.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.582 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

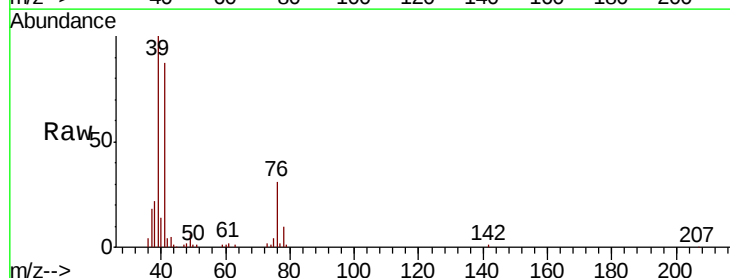
Tgt Ion: 41 Resp: 194583

Ion Ratio Lower Upper

41 100

39 115.5 83.5 125.3

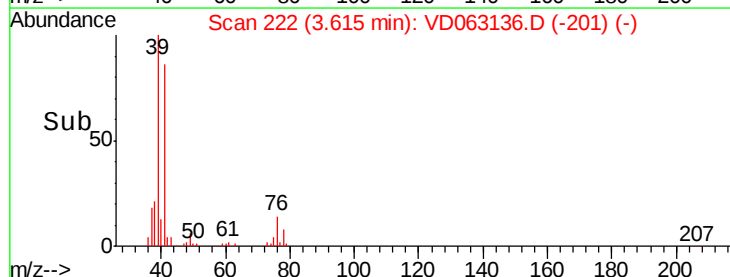
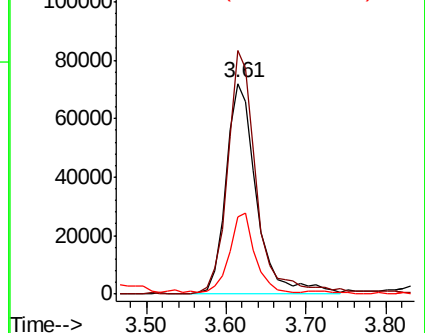
76 36.4 27.8 41.8

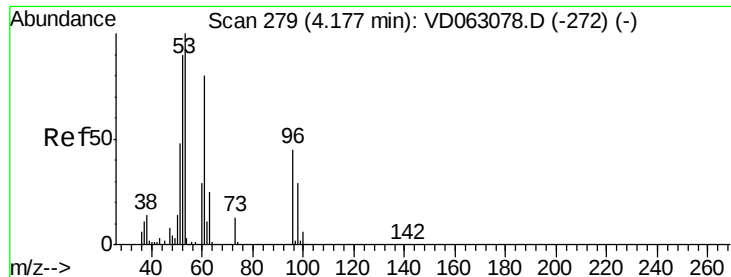


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.988 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

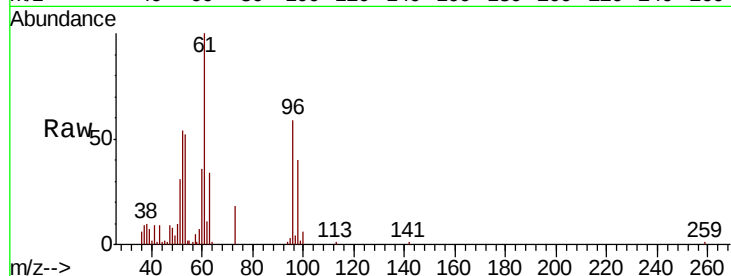
Tot Ion: 53 Resp: 103728

Ion Ratio Lower Upper

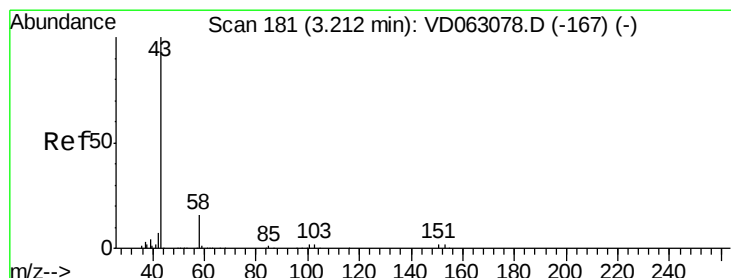
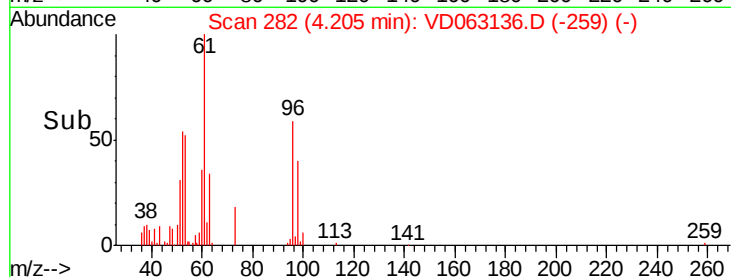
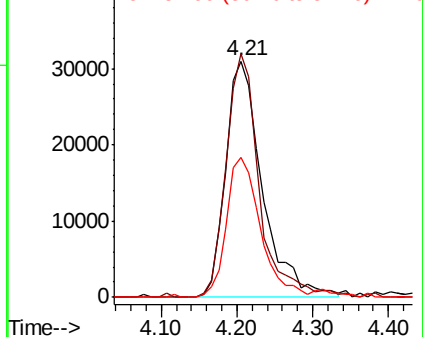
53 100

52 103.2 72.3 108.5

51 59.2 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: 100.817 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD063136.D

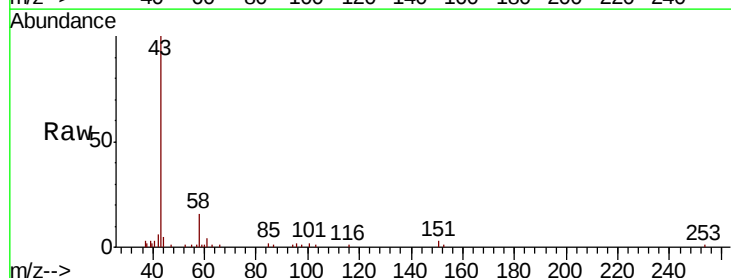
Acq: 17 Jul 2019 17:26

Tgt Ion: 43 Resp: 180013

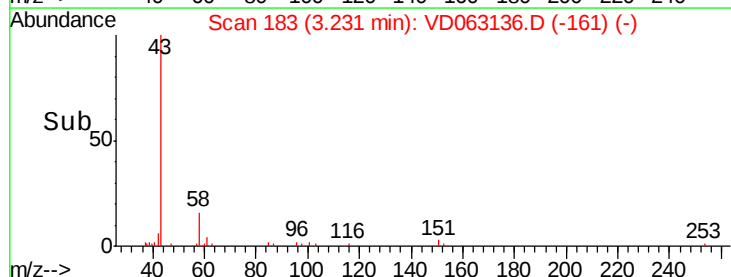
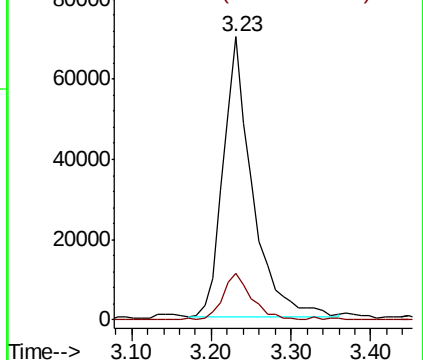
Ion Ratio Lower Upper

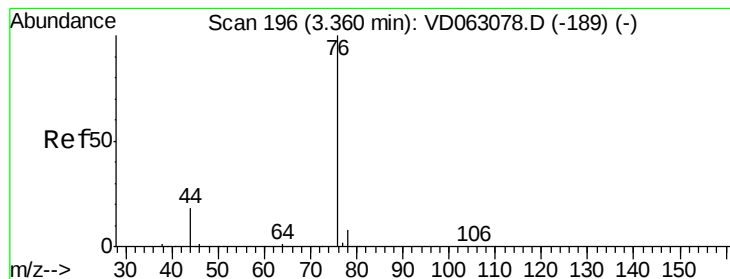
43 100

58 16.3 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: 21.963 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

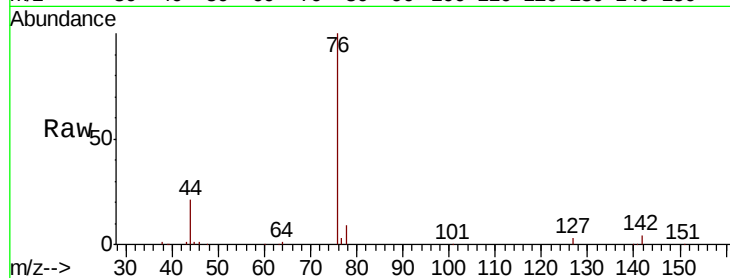
ClientSampleId :

Tot Ion: 76 Resp: 330049

Ion Ratio Lower Upper

76 100

78 8.8 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

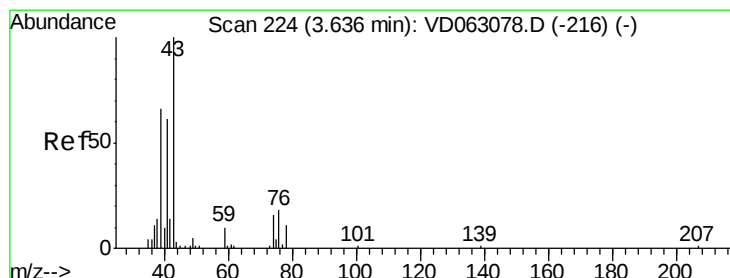
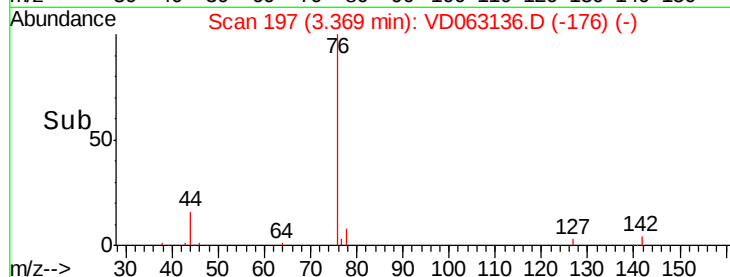
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50



#18

Methyl Acetate

Concen: 40.426 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063136.D

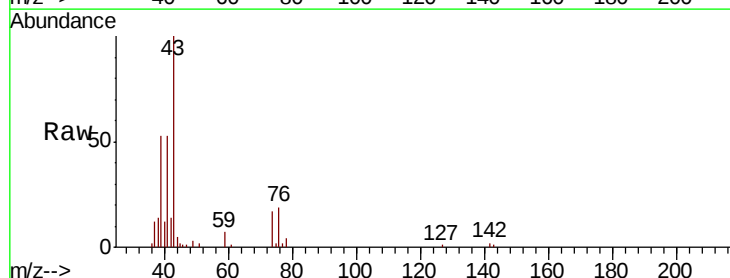
Acq: 17 Jul 2019 17:26

Tgt Ion: 43 Resp: 98321

Ion Ratio Lower Upper

43 100

74 16.7 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

40000

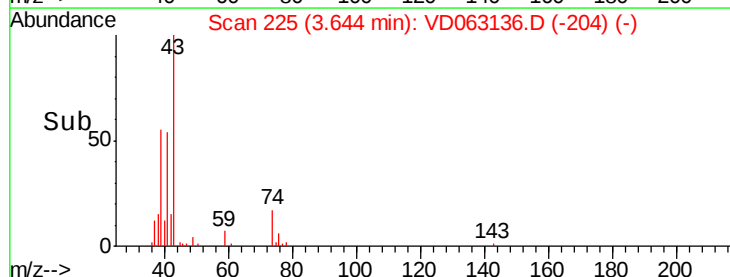
30000

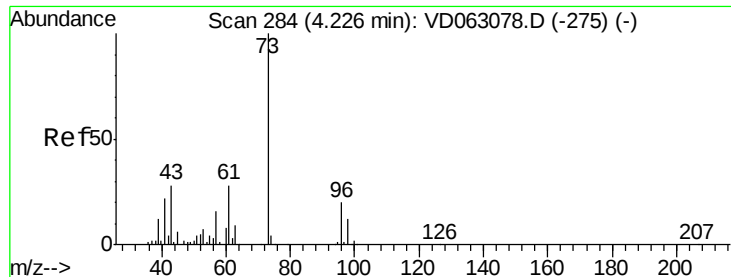
20000

10000

0

Time--> 3.50 3.60 3.70 3.80



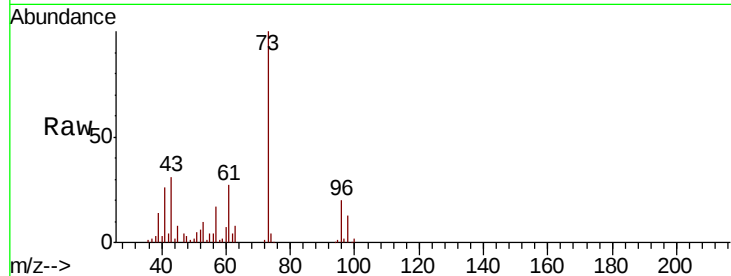


#19

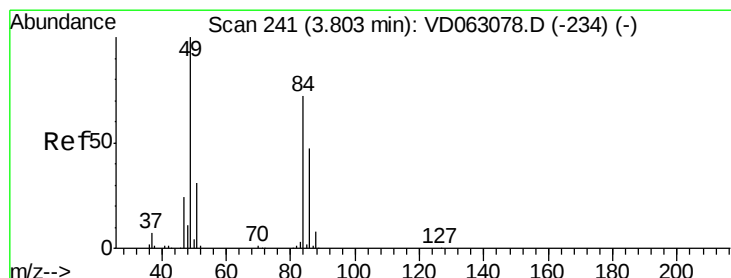
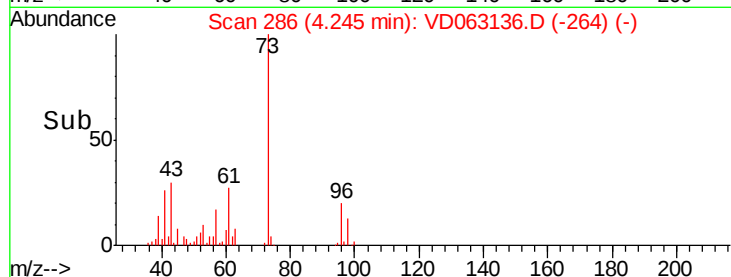
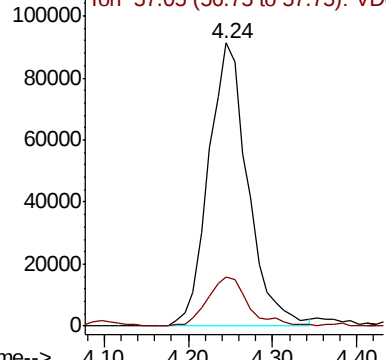
Methyl tert-butyl Ether
 Concen: 22.443 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 73 Resp: 297438
 Ion Ratio Lower Upper
 73 100
 57 17.4 13.1 19.7



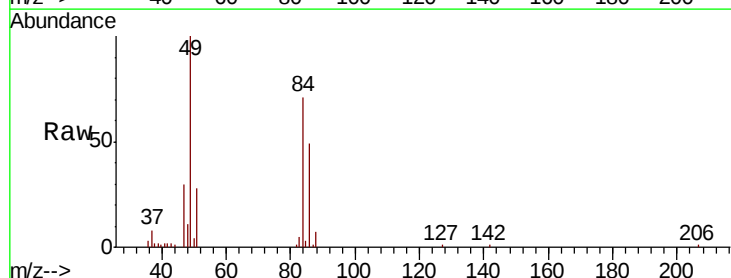
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



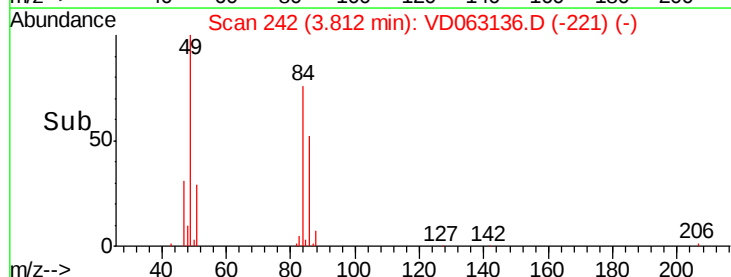
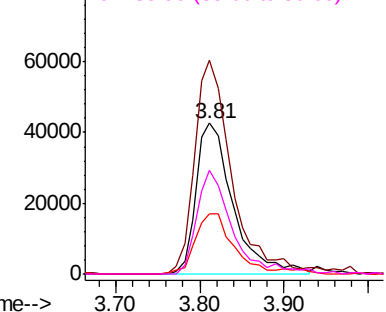
#20

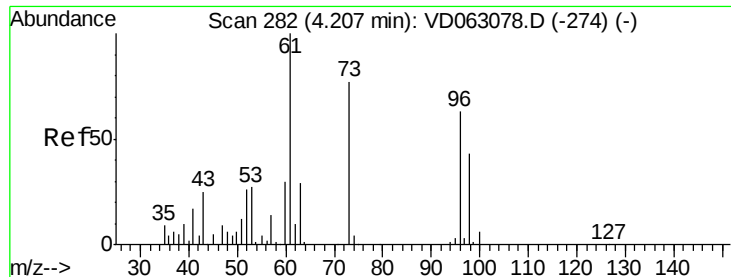
Methylene Chloride
 Concen: 19.241 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion: 84 Resp: 129793
 Ion Ratio Lower Upper
 84 100
 49 141.8 110.5 165.7
 51 40.0 34.6 51.8
 86 68.8 51.6 77.4



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 23.001 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampled :

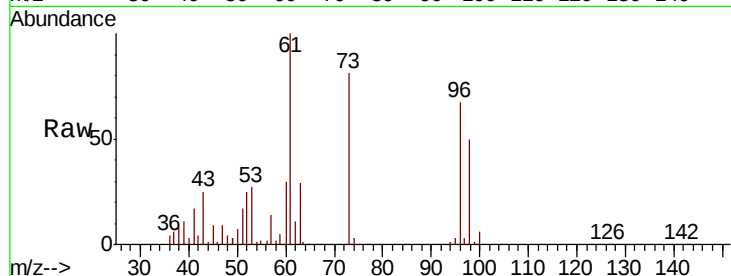
Tot Ion: 96 Resp: 134056

Ion Ratio Lower Upper

96 100

61 148.9 128.0 192.0

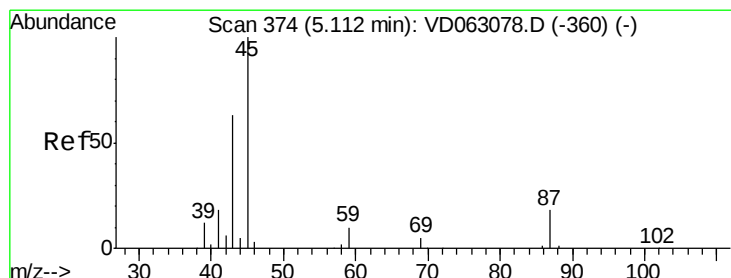
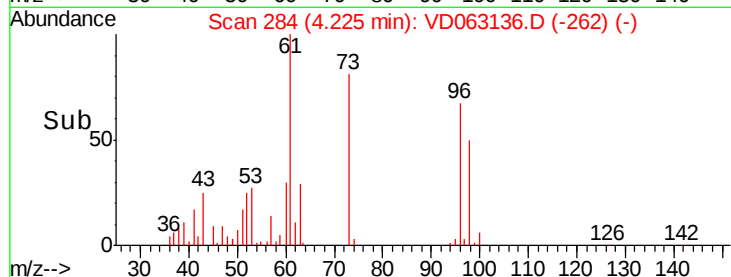
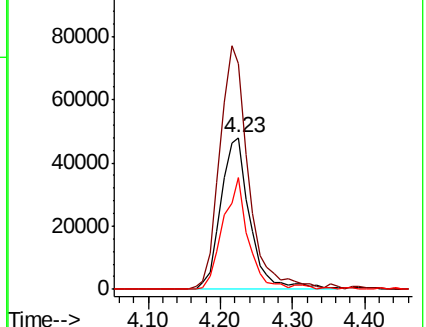
98 73.8 55.2 82.8



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: 22.566 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Tgt Ion: 45 Resp: 404824

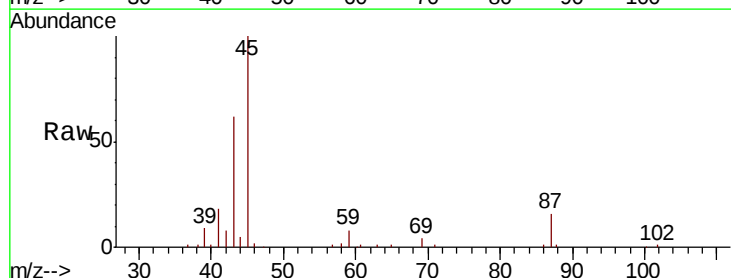
Ion Ratio Lower Upper

45 100

43 61.6 50.5 75.7

87 15.6 15.1 22.7

59 7.5 7.6 11.4#

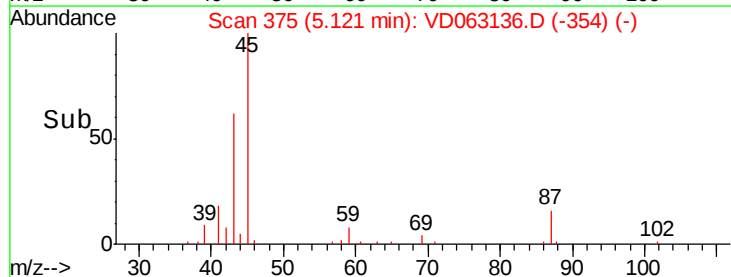
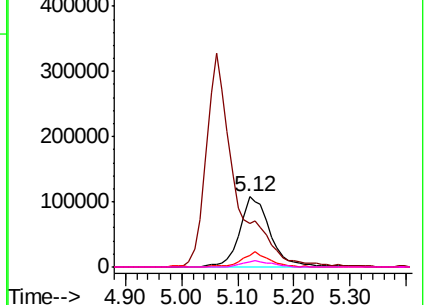


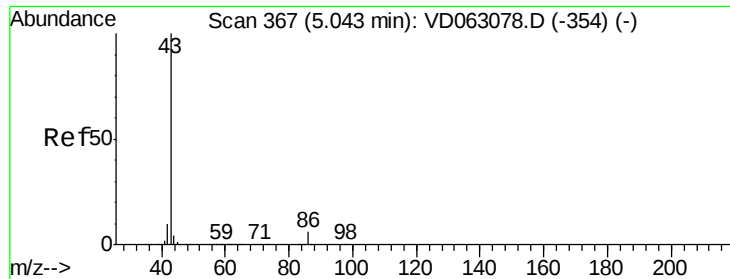
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

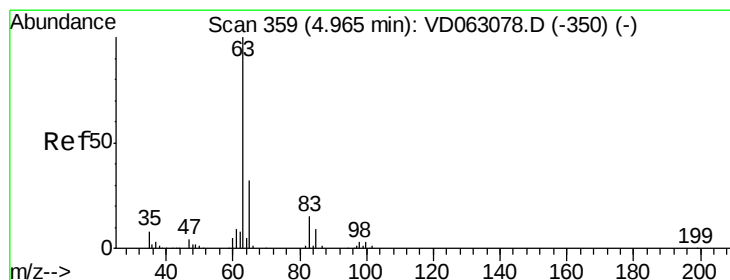
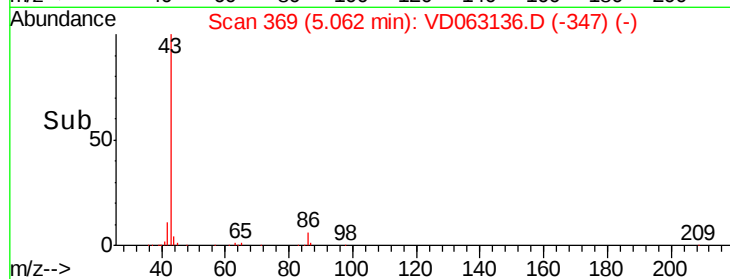
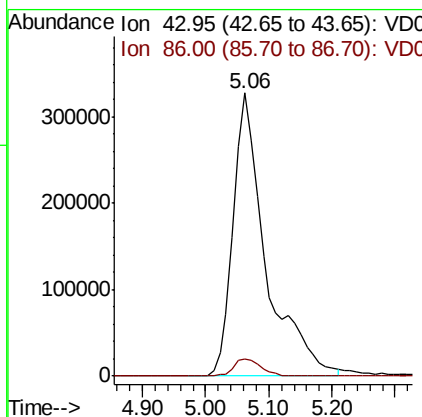
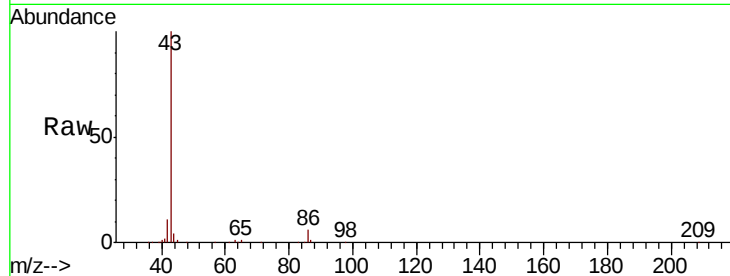




#23
 Vinyl Acetate
 Concen: 112.627 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

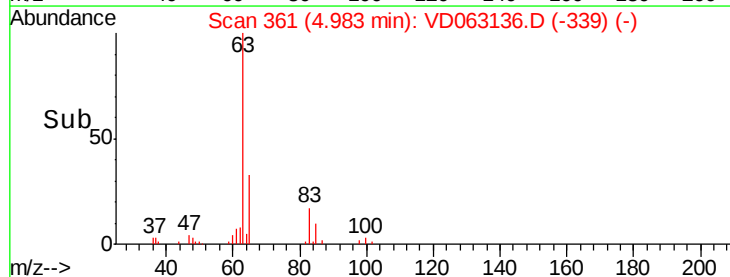
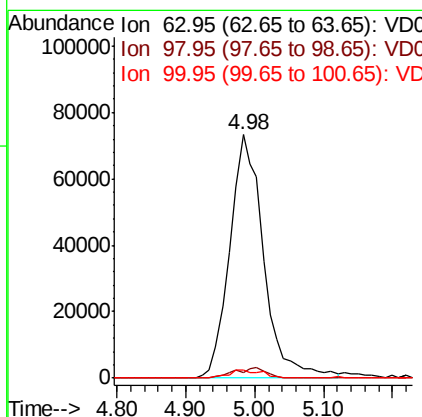
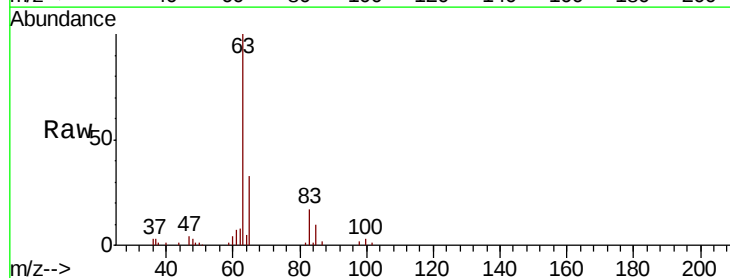
Instrument :
 MSVOA_D
 ClientSampleId :

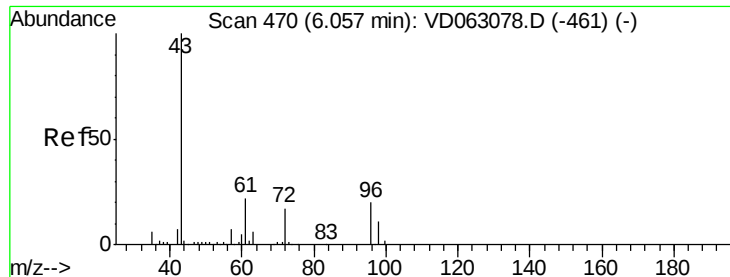
Tot Ion: 43 Resp: 1178794
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 22.536 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion: 63 Resp: 249038
 Ion Ratio Lower Upper
 63 100
 98 2.4 1.7 5.1
 100 3.4 1.5 4.5





#25

2-Butanone

Concen: 107.645 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.02 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

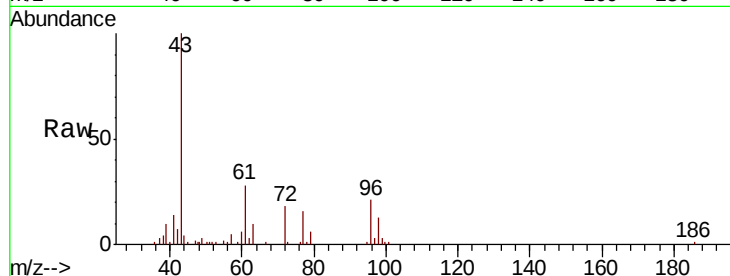
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 183540

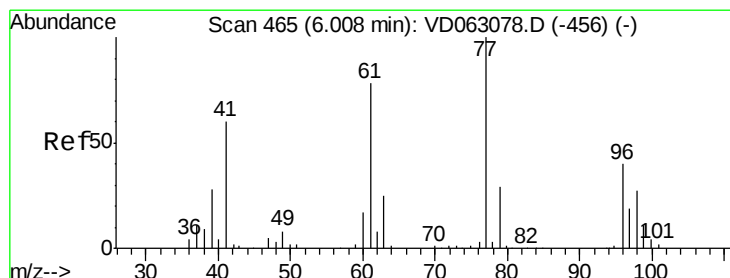
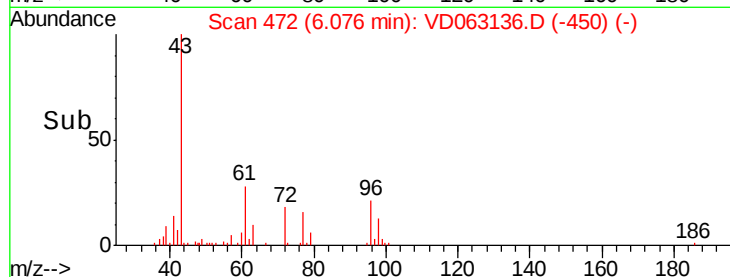
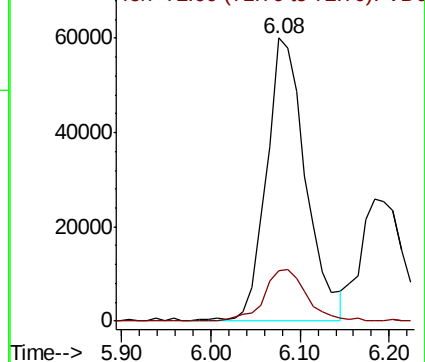
Ion Ratio Lower Upper

43 100

72 18.0 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: 21.760 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD063136.D

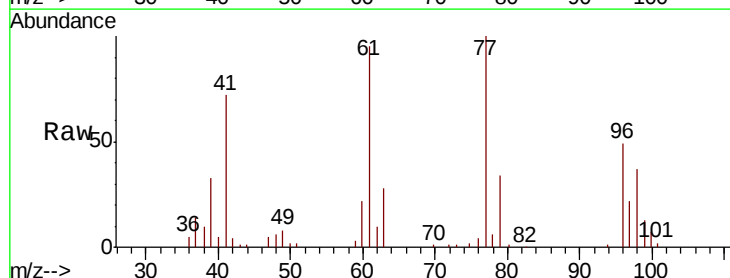
Acq: 17 Jul 2019 17:26

Tgt Ion: 77 Resp: 266133

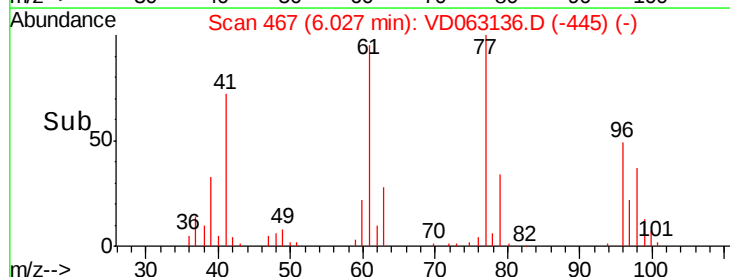
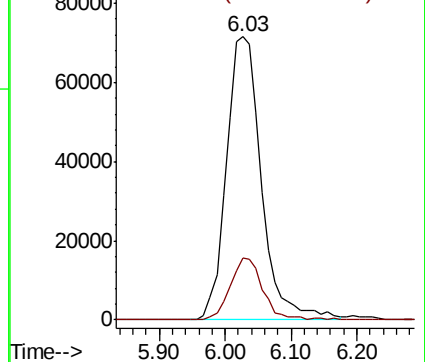
Ion Ratio Lower Upper

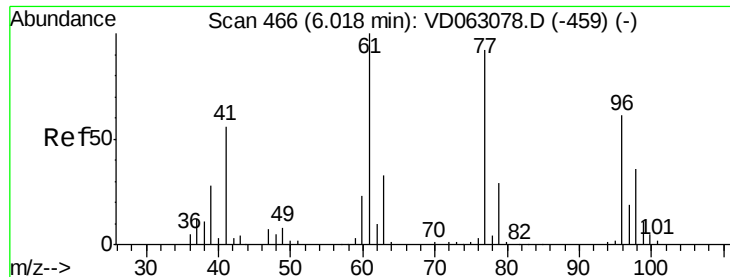
77 100

97 21.7 9.3 27.9



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

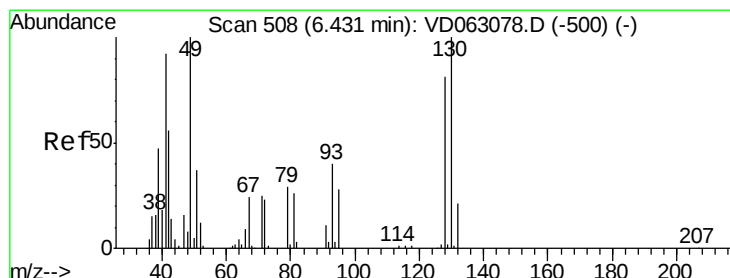
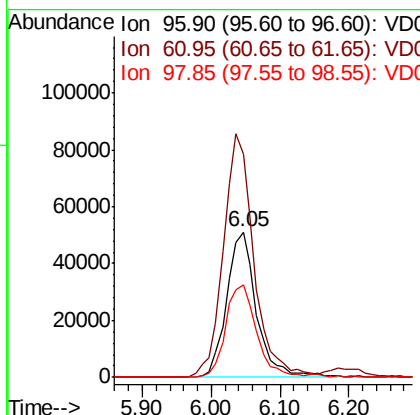
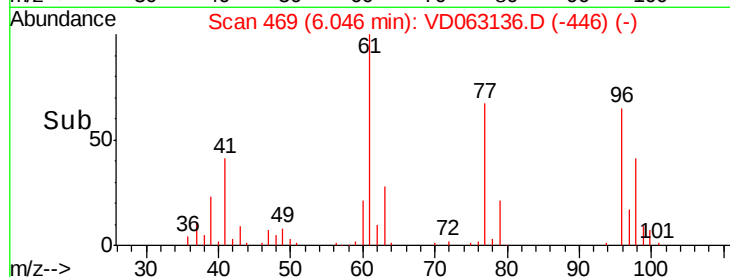
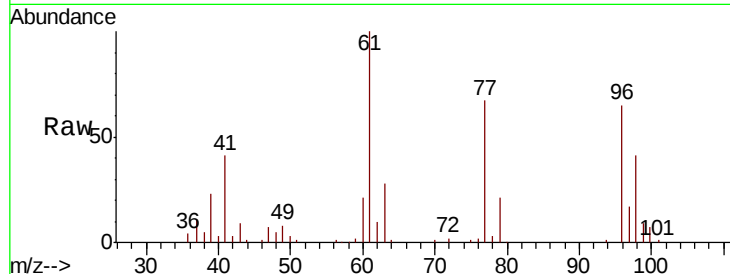




#27
 cis-1,2-Dichloroethene
 Concen: 23.153 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. 0.03 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

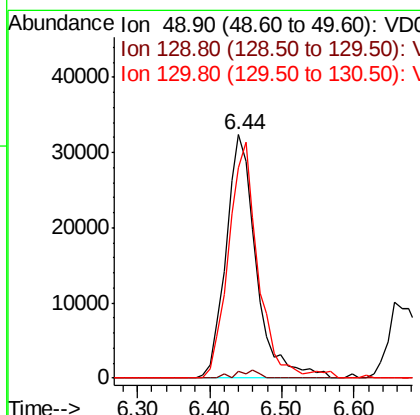
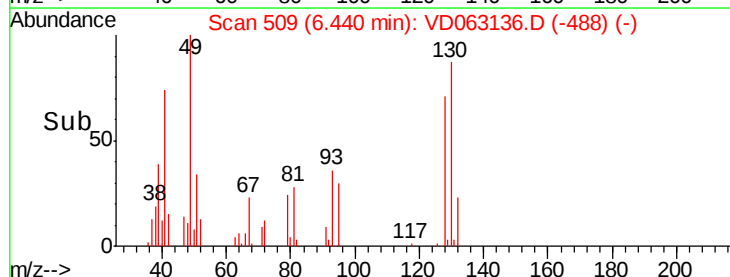
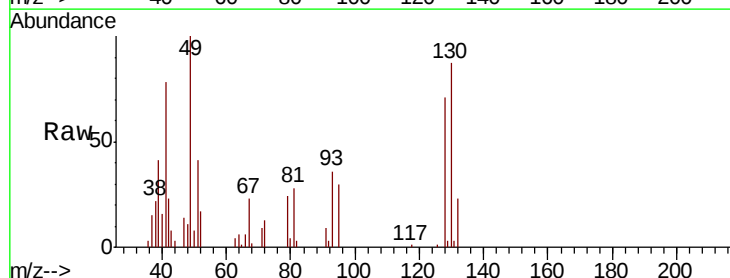
Instrument :
 MSVOA_D
 ClientSampleId :

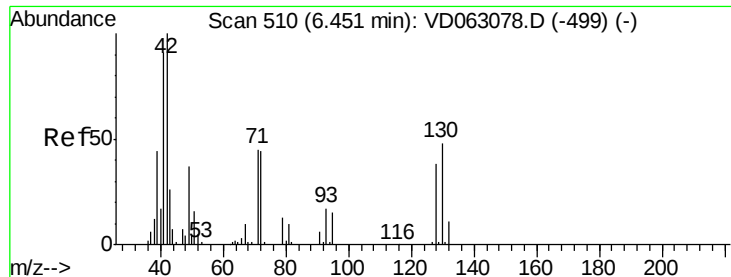
Tot Ion: 96 Resp: 153502
 Ion Ratio Lower Upper
 96 100
 61 153.2 0.0 329.6
 98 63.4 0.0 118.4



#28
 Bromochloromethane
 Concen: 23.461 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion: 49 Resp: 94059
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 3.6
 130 86.6 80.3 120.5

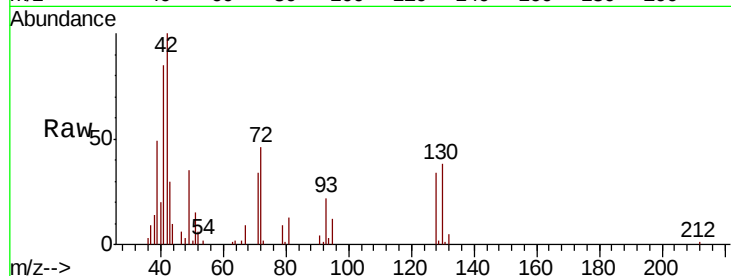




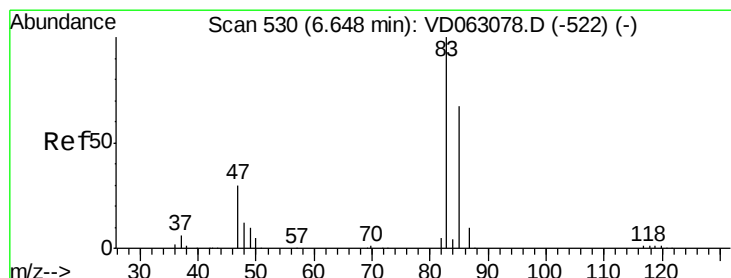
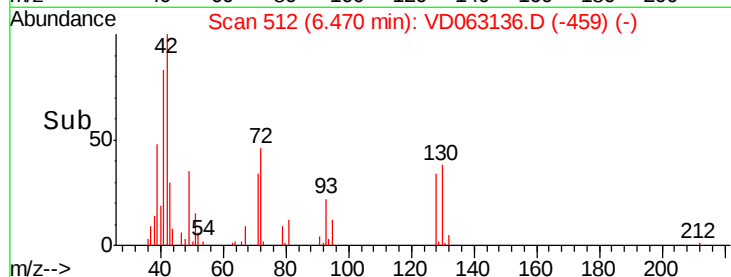
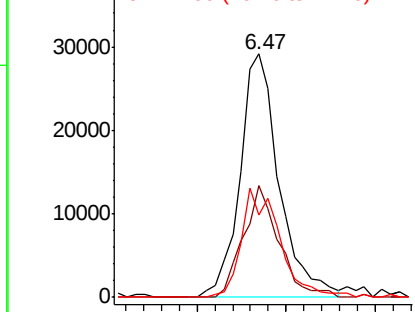
#29
Tetrahydrofuran
Concen: 114.686 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 88642
Ion Ratio Lower Upper
42 100
72 41.8 33.7 50.5
71 43.8 34.2 51.2

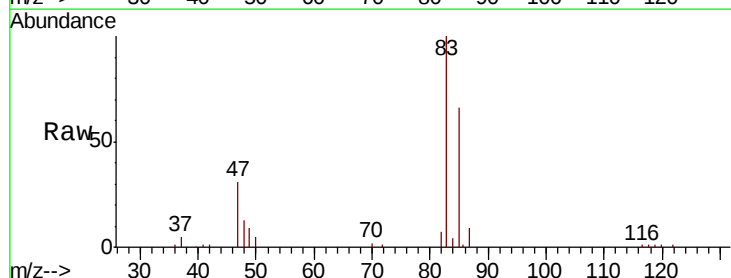


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

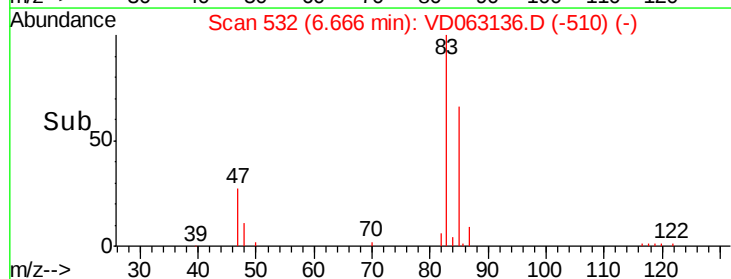
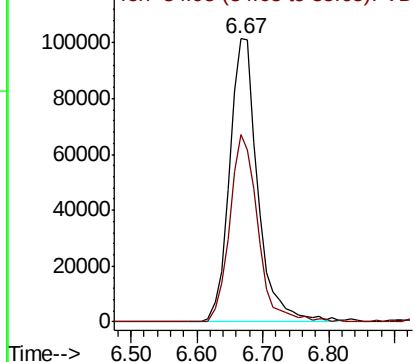


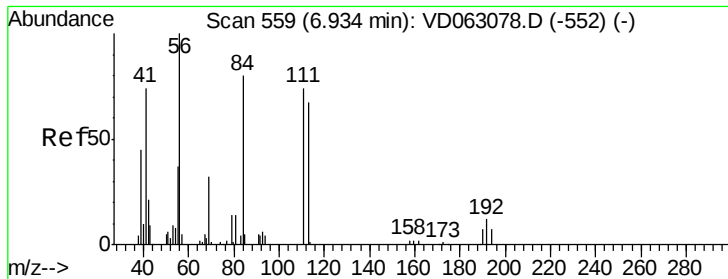
#30
Chloroform
Concen: 22.495 ug/l
RT: 6.67 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 83 Resp: 306151
Ion Ratio Lower Upper
83 100
85 66.3 53.8 80.8



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

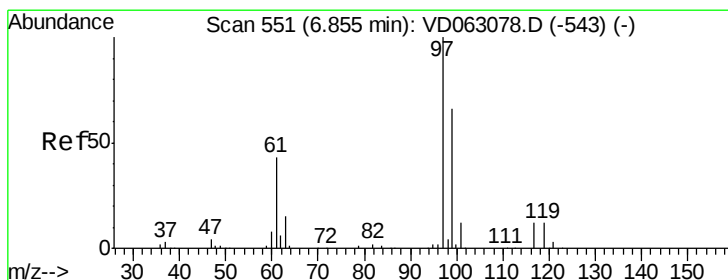
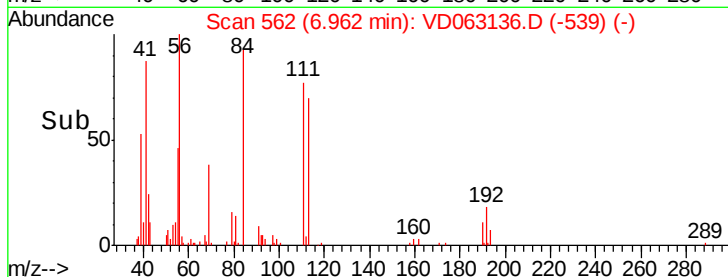
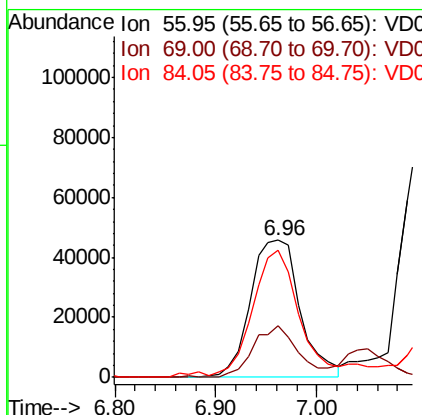
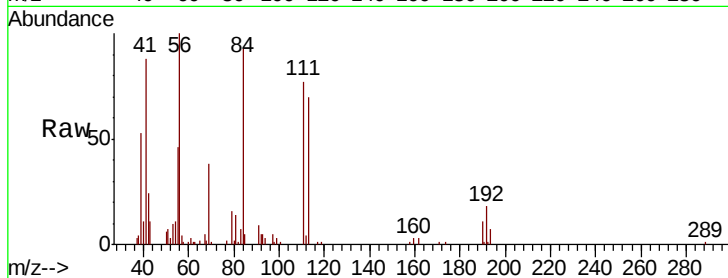




#31
Cyclohexane
Concen: 22.257 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.03 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

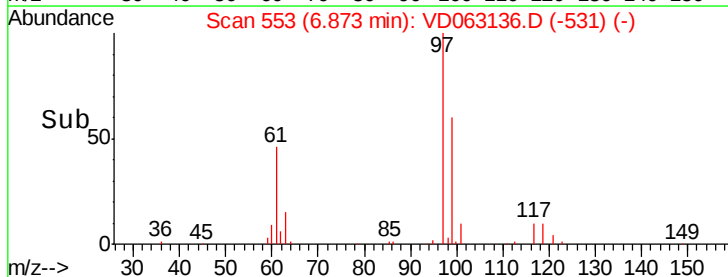
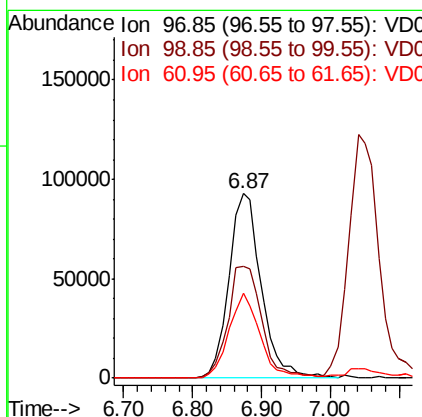
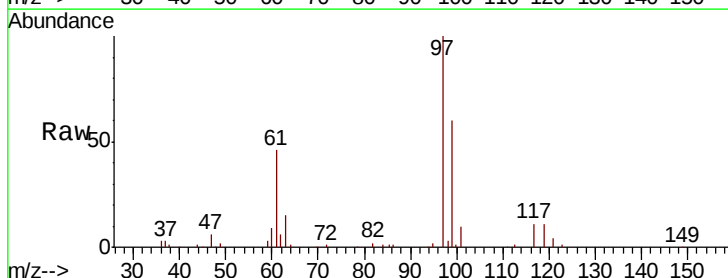
Instrument :
MSVOA_D
ClientSampled :

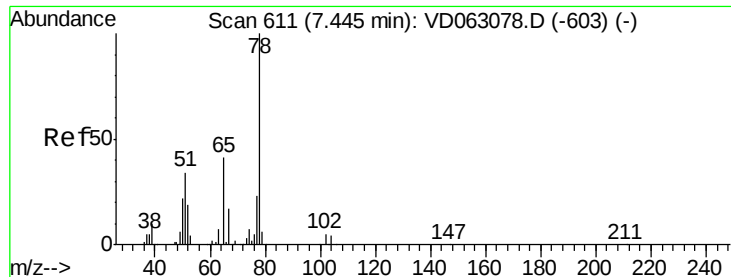
Tot Ion: 56 Resp: 156635
Ion Ratio Lower Upper
56 100
69 37.8 25.3 37.9
84 93.1 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 22.476 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 97 Resp: 301633
Ion Ratio Lower Upper
97 100
99 60.4 52.9 79.3
61 46.3 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 53.556 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

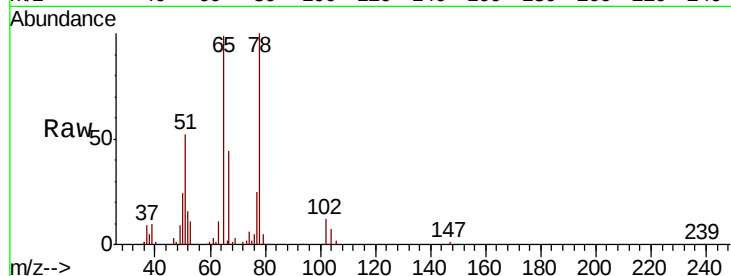
ClientSampleId :

Tot Ion: 65 Resp: 395919

Ion Ratio Lower Upper

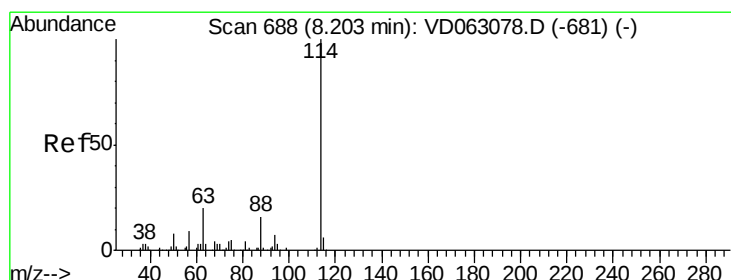
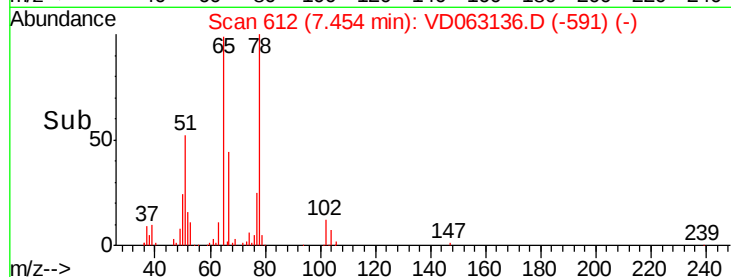
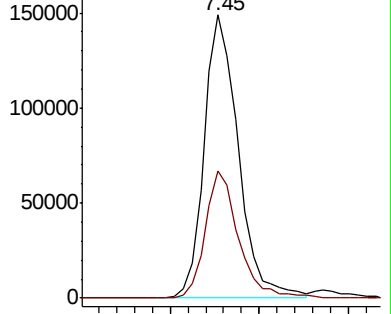
65 100

67 44.7 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

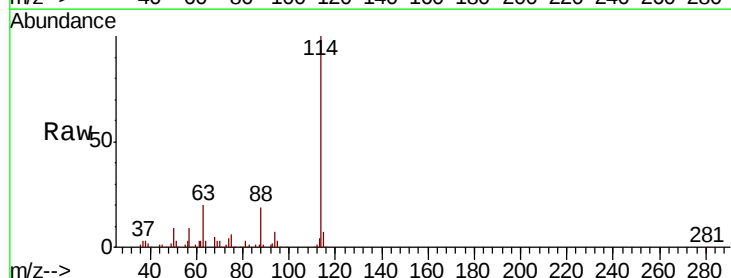
Tgt Ion: 114 Resp: 817043

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

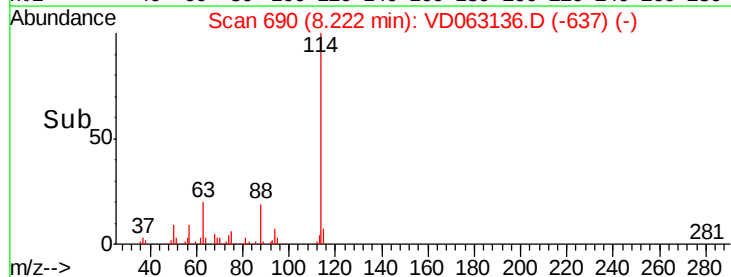
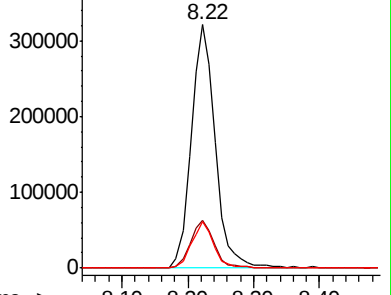
88 19.1 0.0 32.6

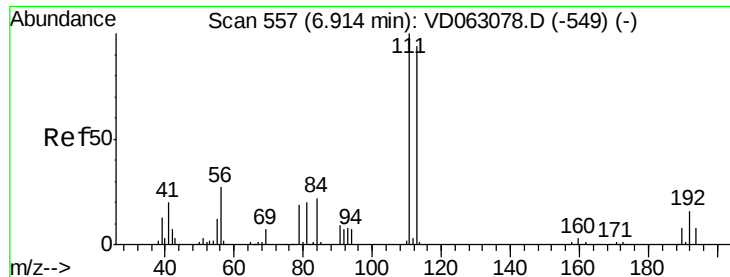


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.982 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

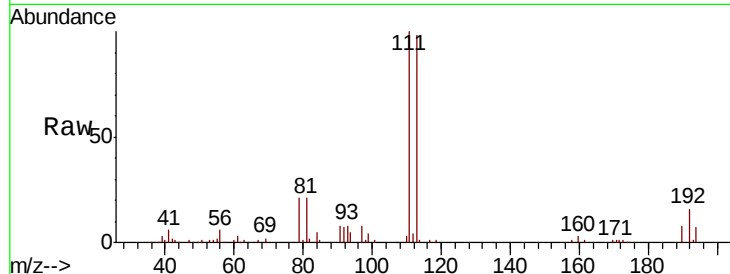
Tot Ion:113 Resp: 439299

Ion Ratio Lower Upper

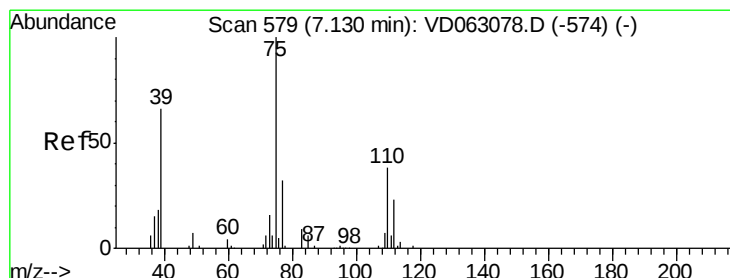
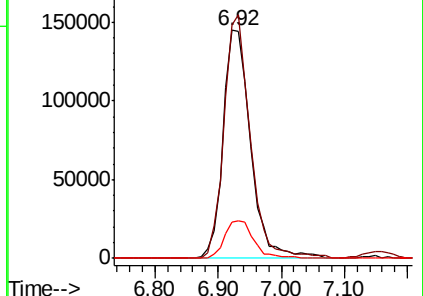
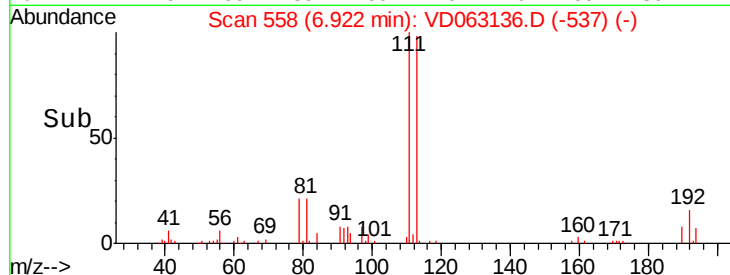
113 100

111 102.5 84.8 127.2

192 16.0 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: 23.036 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.02 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

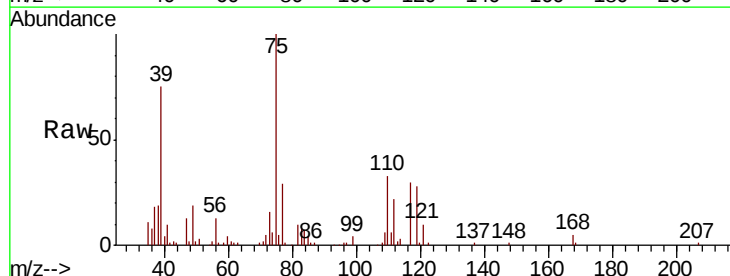
Tgt Ion: 75 Resp: 211679

Ion Ratio Lower Upper

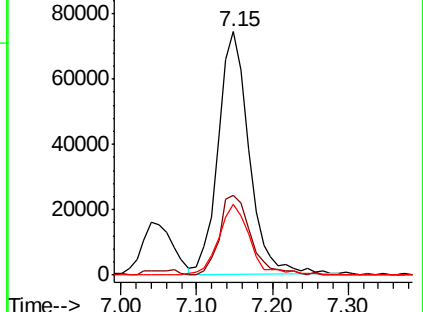
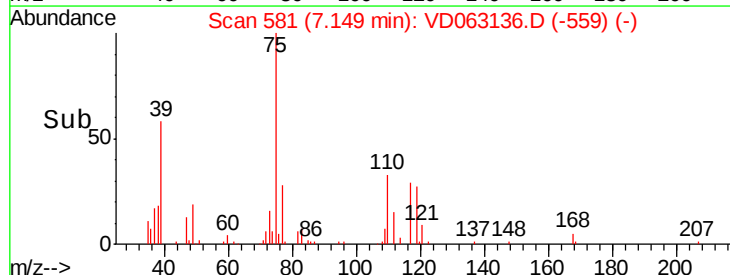
75 100

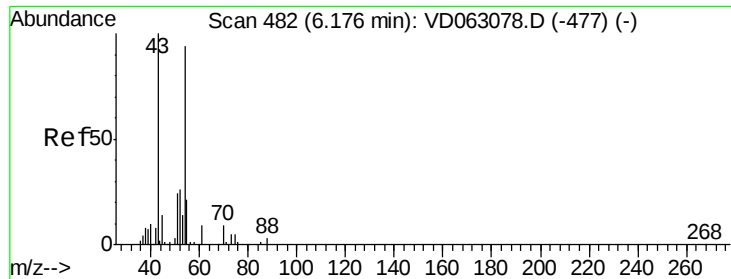
110 32.9 18.9 56.5

77 29.1 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

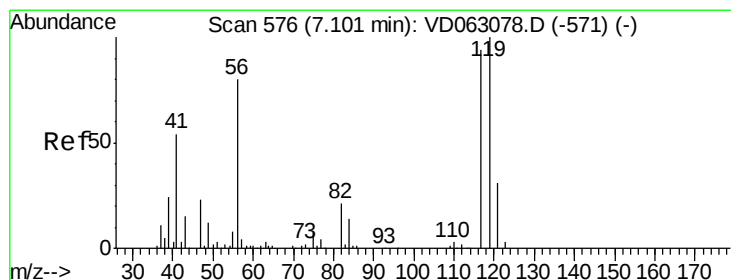
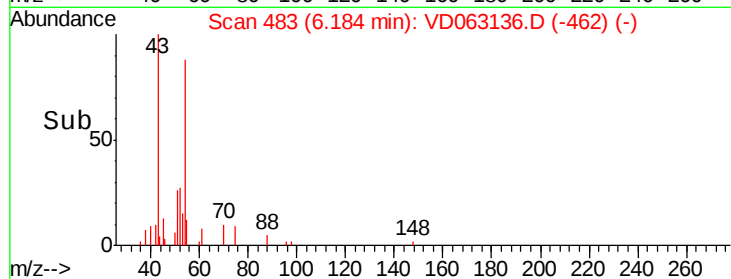
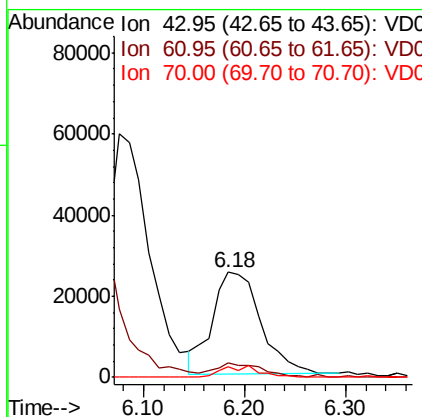
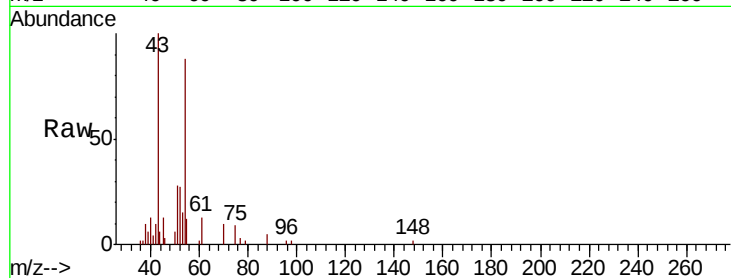




#37
Ethyl Acetate
Concen: 21.213 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

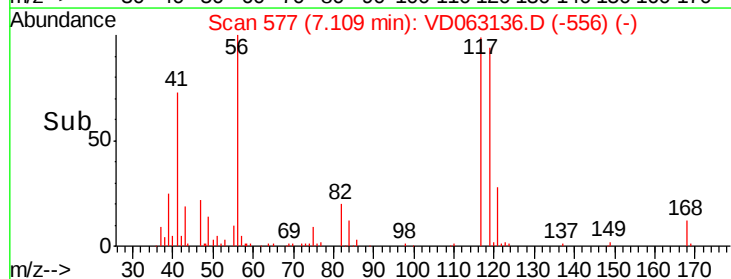
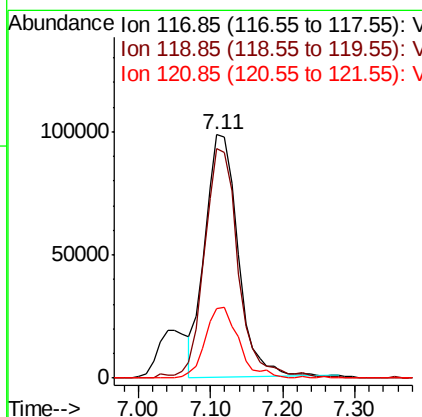
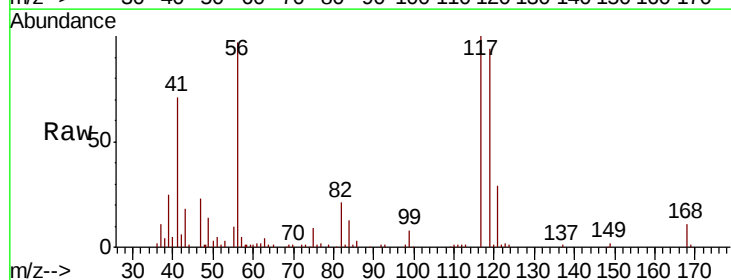
Instrument :
MSVOA_D
ClientSampleId :

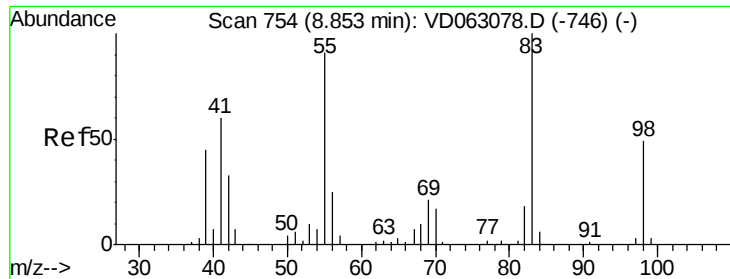
Tot Ion: 43 Resp: 83424
Ion Ratio Lower Upper
43 100
61 13.3 10.6 16.0
70 10.1 6.6 9.8#



#38
Carbon Tetrachloride
Concen: 22.225 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 117 Resp: 310324
Ion Ratio Lower Upper
117 100
119 94.5 80.0 120.0
121 28.6 25.0 37.4

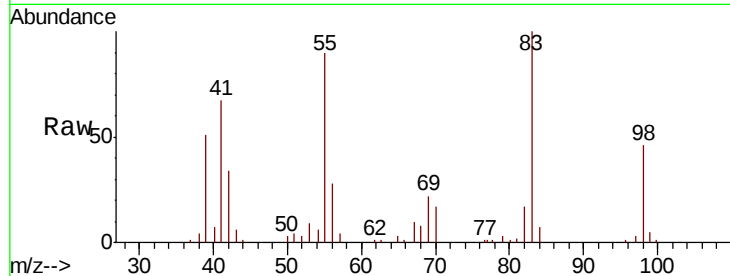




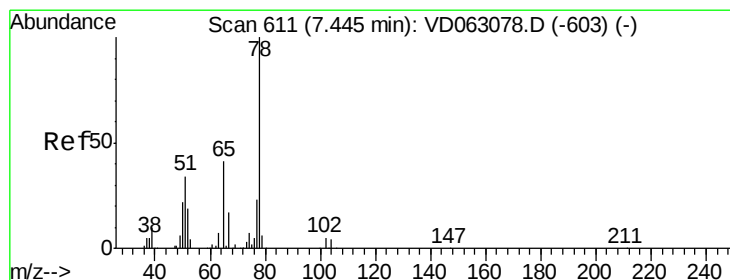
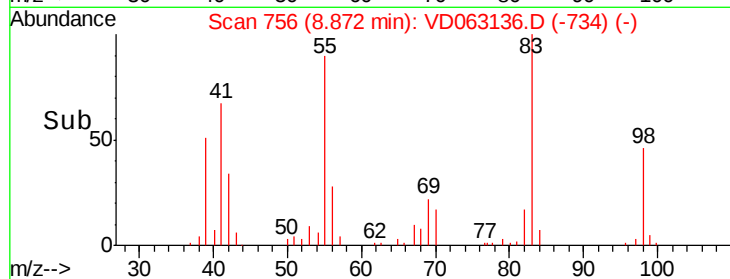
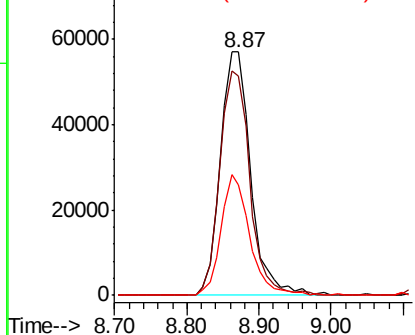
#39
Methvlcvclohexane
Concen: 20.829 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 165470
Ion Ratio Lower Upper
83 100
55 90.1 73.0 109.4
98 45.5 39.4 59.0

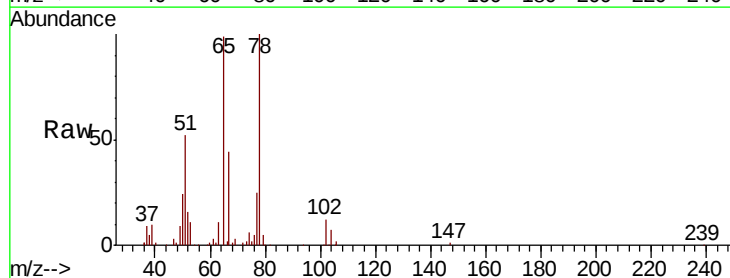


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

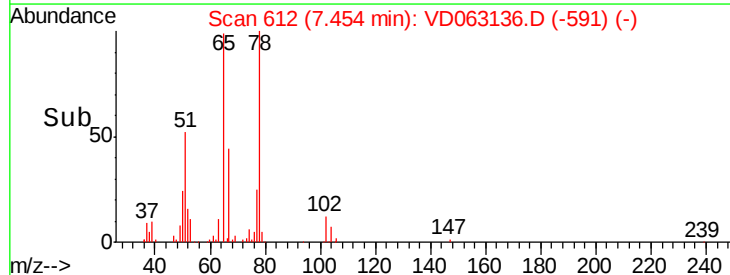
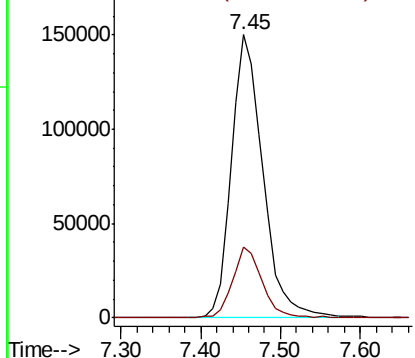


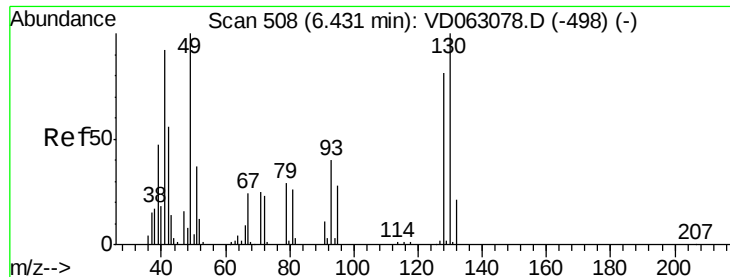
#40
Benzene
Concen: 21.454 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 78 Resp: 412897
Ion Ratio Lower Upper
78 100
77 24.9 18.1 27.1



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

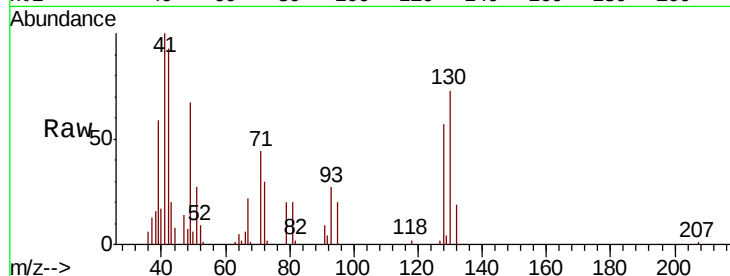




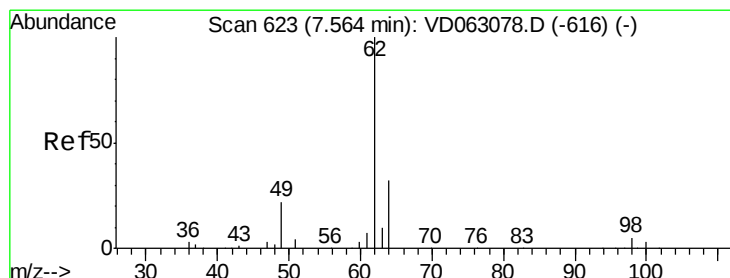
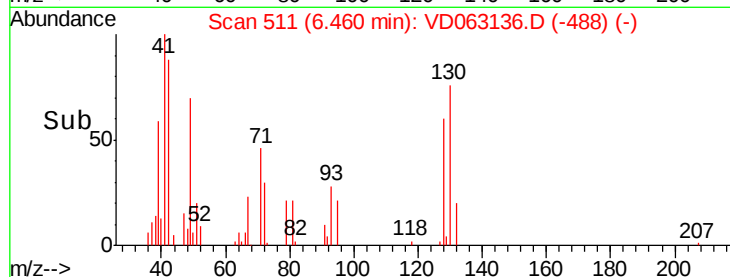
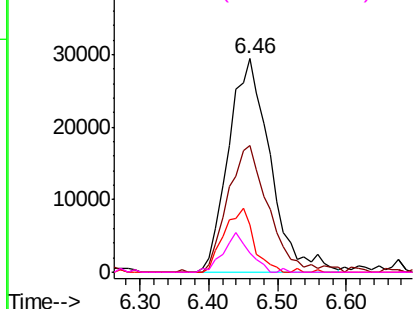
#41
Methacrylonitrile
Concen: 23.243 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 123925
Ion Ratio Lower Upper
41 100
39 59.1 41.0 61.6
67 22.3 21.3 31.9
52 8.9 10.5 15.7#

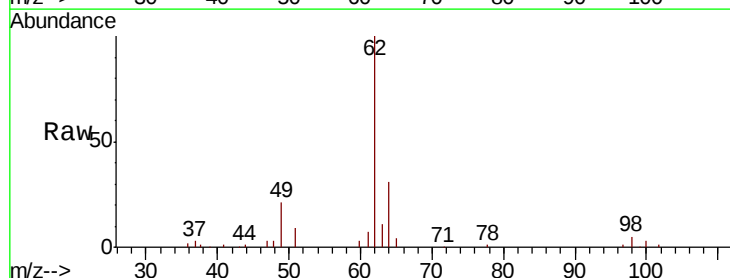


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

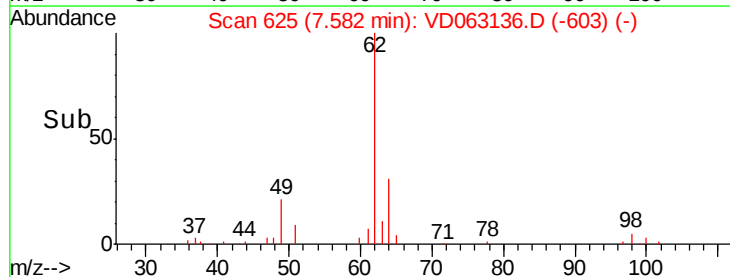
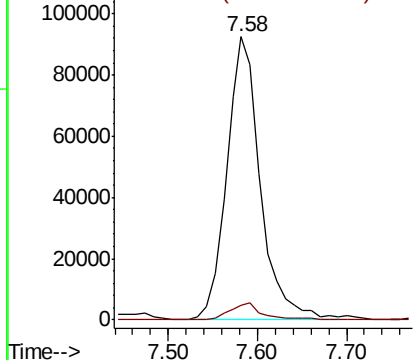


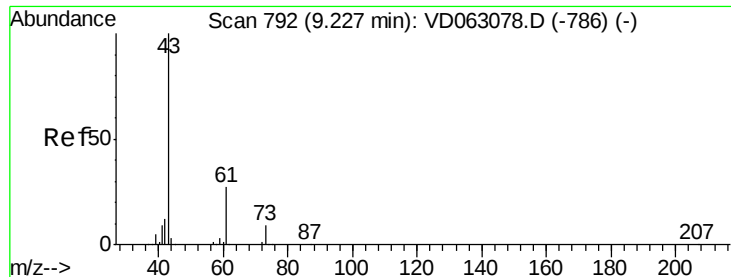
#42
1,2-Dichloroethane
Concen: 23.730 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 62 Resp: 243319
Ion Ratio Lower Upper
62 100
98 5.1 0.0 9.6



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



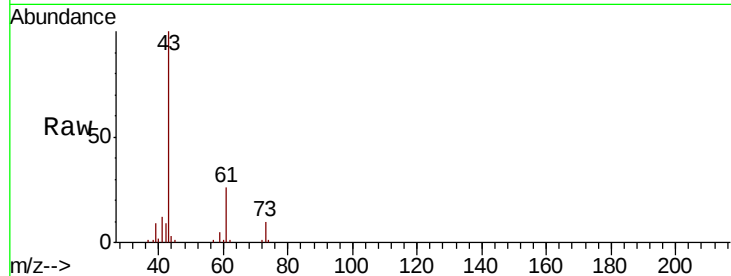


#43

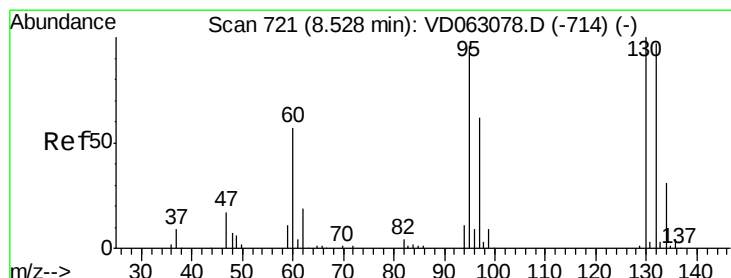
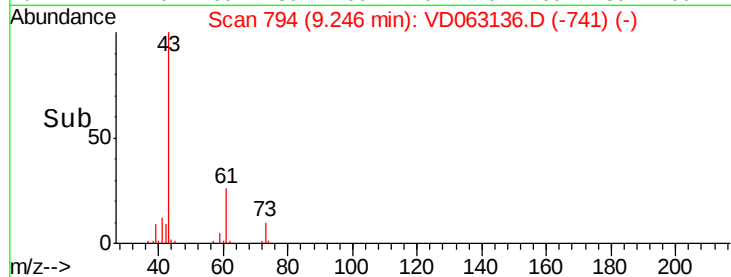
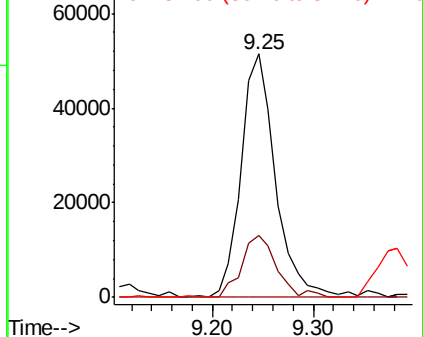
Isopropyl Acetate
 Concen: 21.621 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 121877
 Ion Ratio Lower Upper
 43 100
 61 25.6 21.7 32.5
 87 0.0 0.2 0.4#



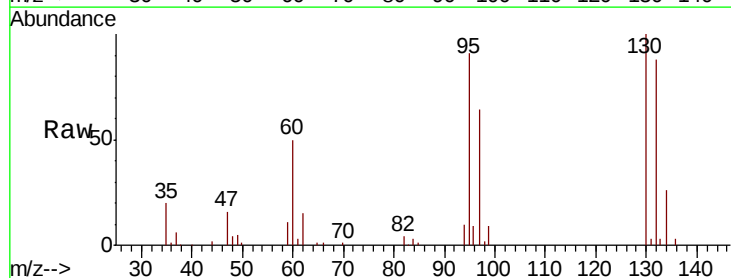
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



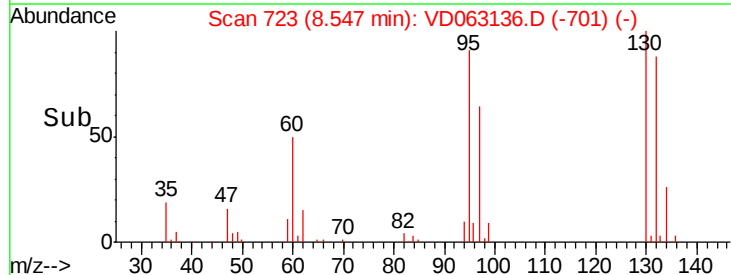
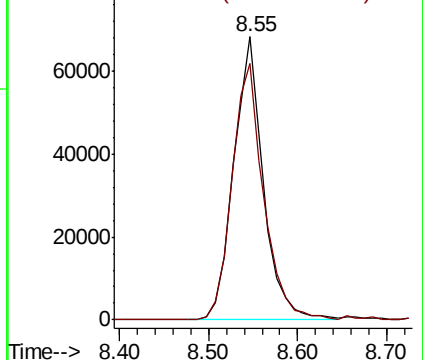
#44

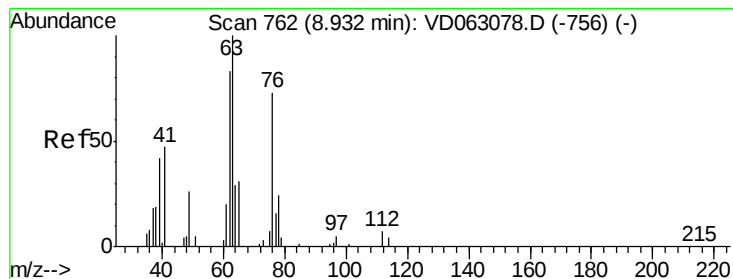
Trichloroethene
 Concen: 21.295 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion: 130 Resp: 158387
 Ion Ratio Lower Upper
 130 100
 95 90.8 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: 21.174 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

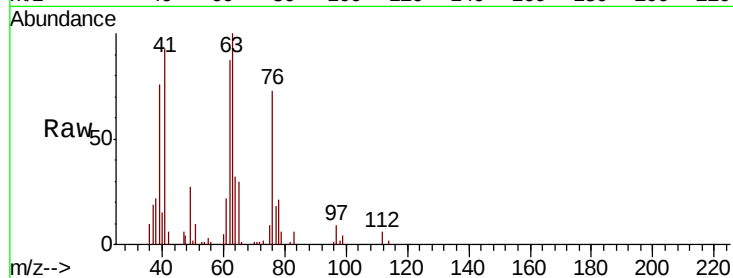
ClientSampleId :

Tot Ion: 63 Resp: 101603

Ion Ratio Lower Upper

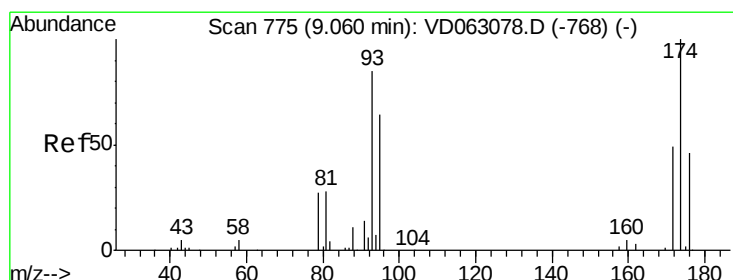
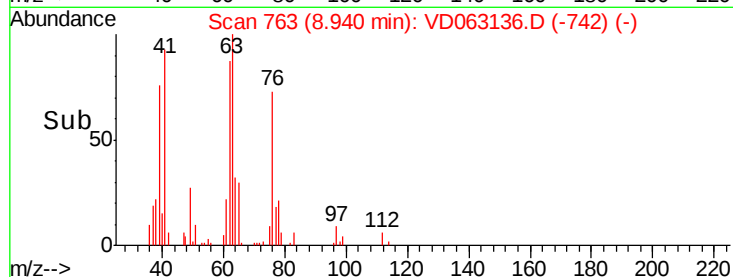
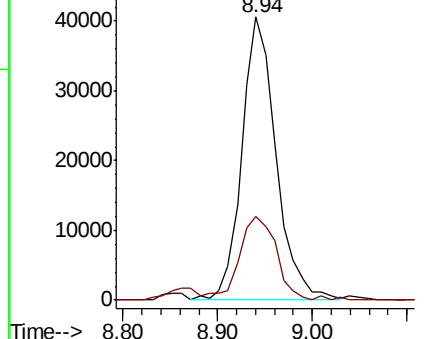
63 100

65 29.5 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.103 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

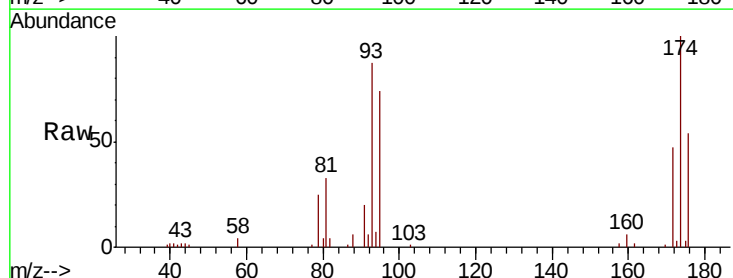
Tgt Ion: 93 Resp: 91140

Ion Ratio Lower Upper

93 100

95 84.5 59.7 89.5

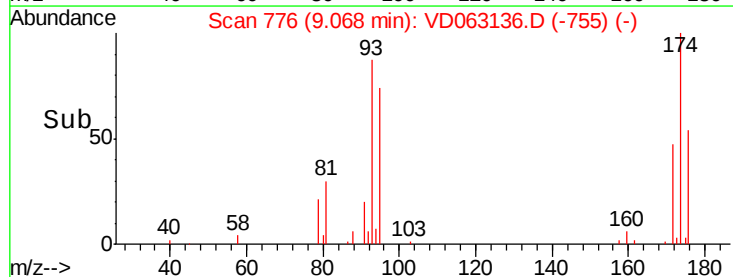
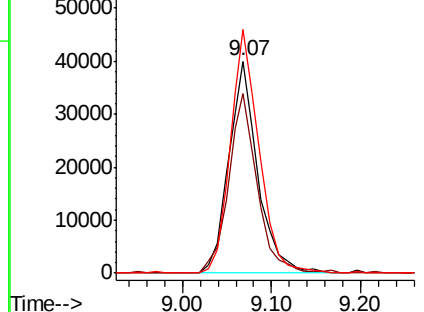
174 114.8 93.9 140.9

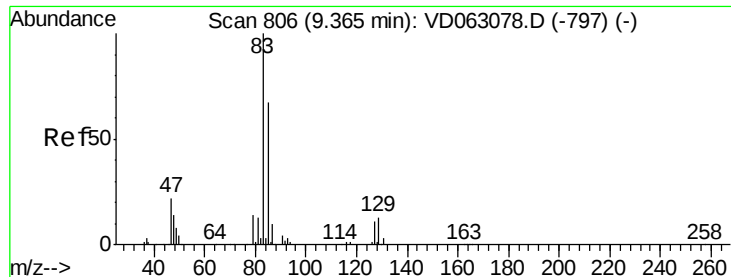


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.913 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

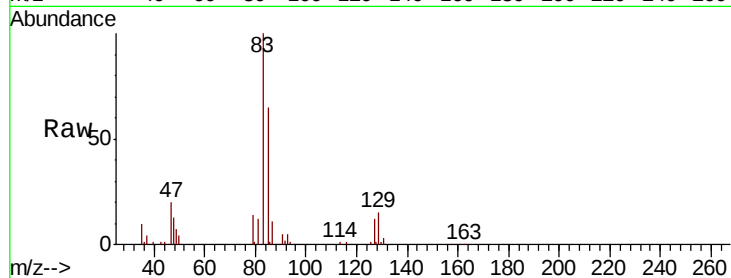
Tot Ion: 83 Resp: 235786

Ion Ratio Lower Upper

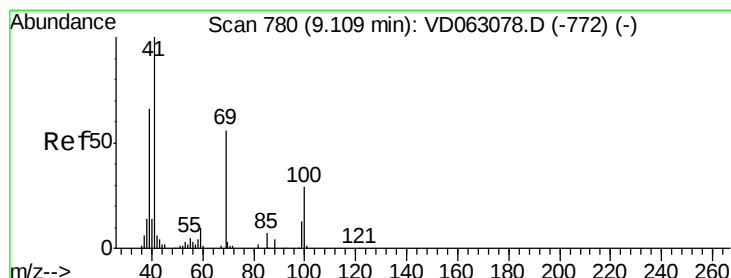
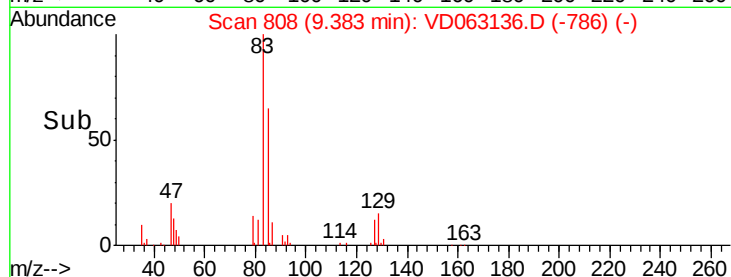
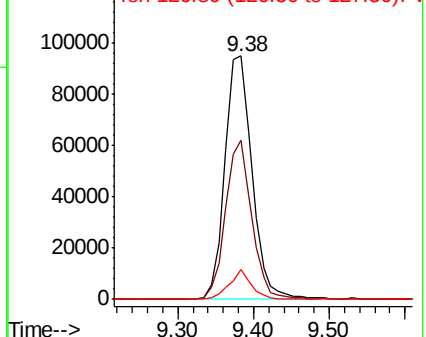
83 100

85 65.1 53.7 80.5

127 12.3 9.0 13.6



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



#48

Methyl methacrylate

Concen: 22.610 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

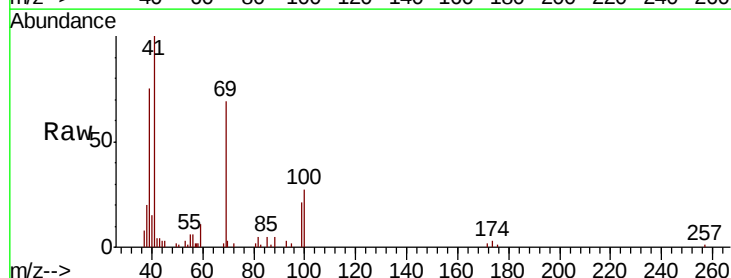
Tgt Ion: 41 Resp: 83696

Ion Ratio Lower Upper

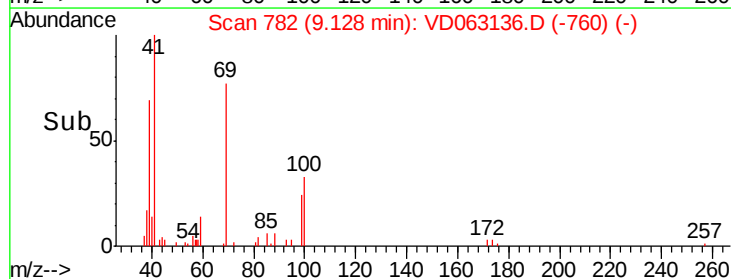
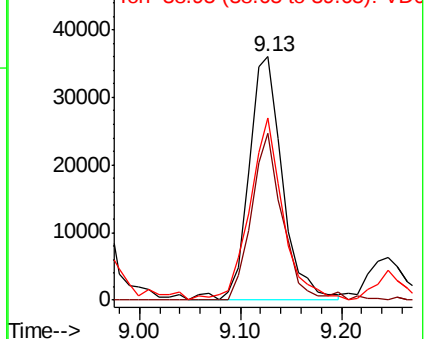
41 100

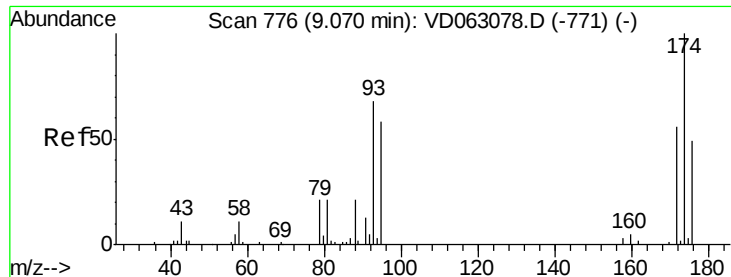
69 68.6 44.3 66.5#

39 74.6 52.6 78.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

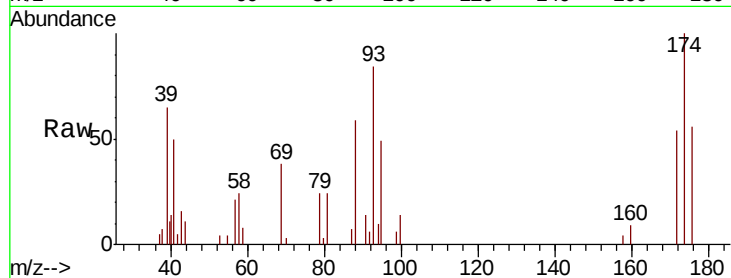




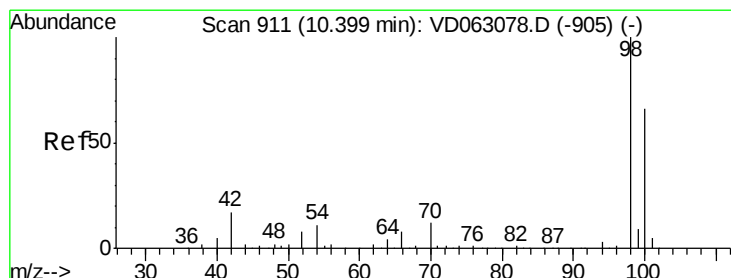
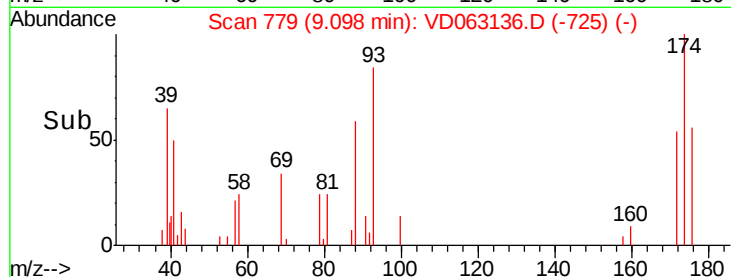
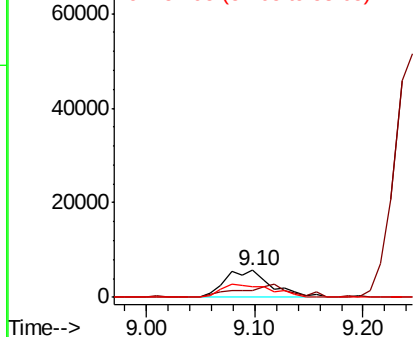
#49
1,4-Dioxane
Concen: 533.690 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 17038
Ion Ratio Lower Upper
88 100
43 27.3 40.2 60.4#
58 40.5 41.6 62.4#

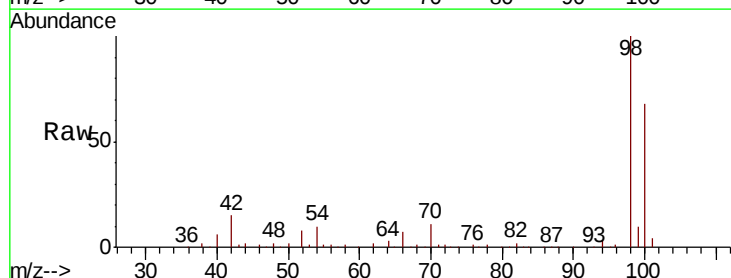


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

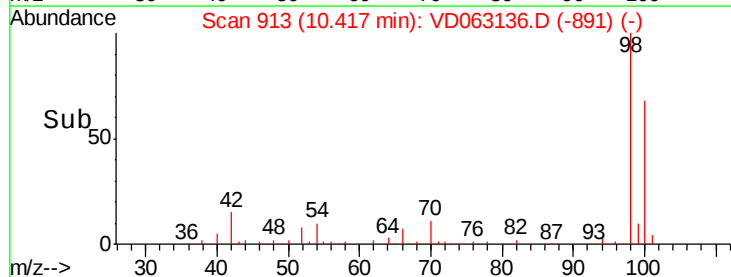
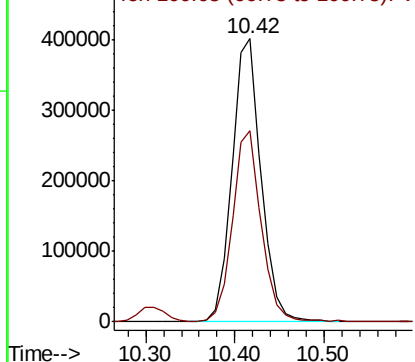


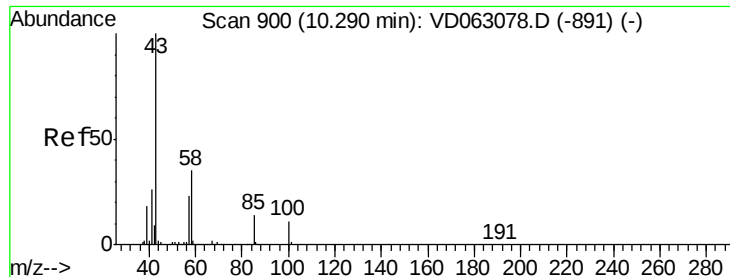
#50
Toluene-d8
Concen: 52.313 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 98 Resp: 914457
Ion Ratio Lower Upper
98 100
100 67.6 53.5 80.3



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

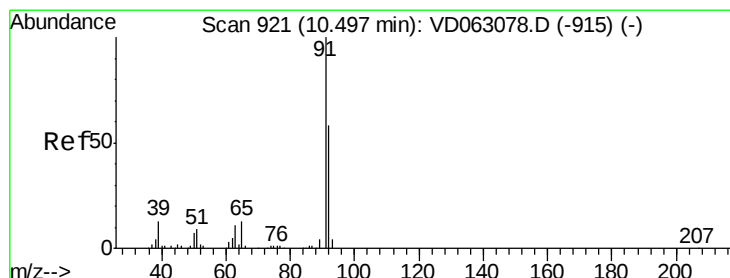
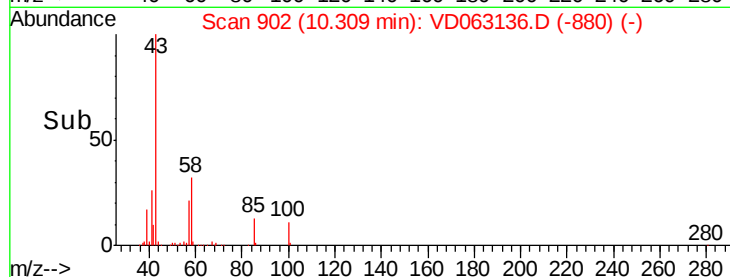
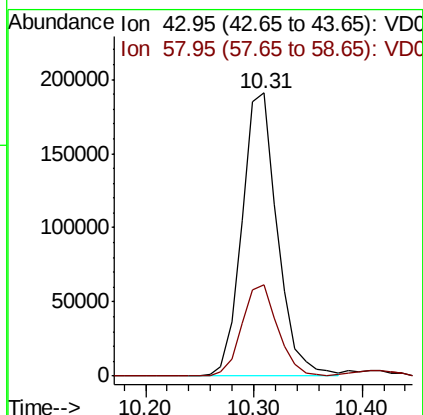
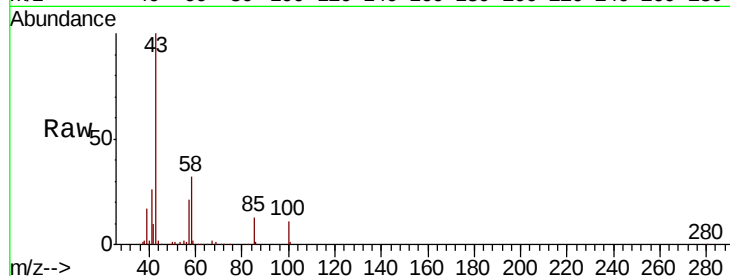




#51
4-Methyl-2-Pentanone
Concen: 116.566 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

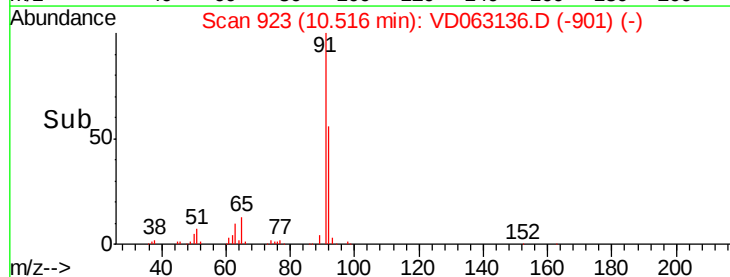
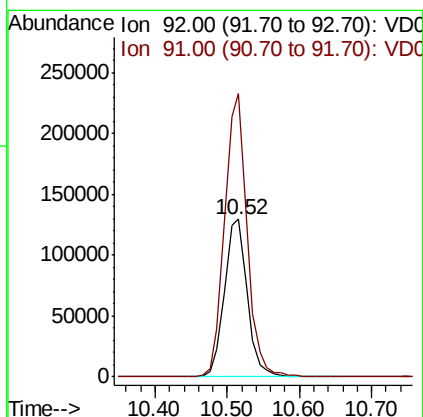
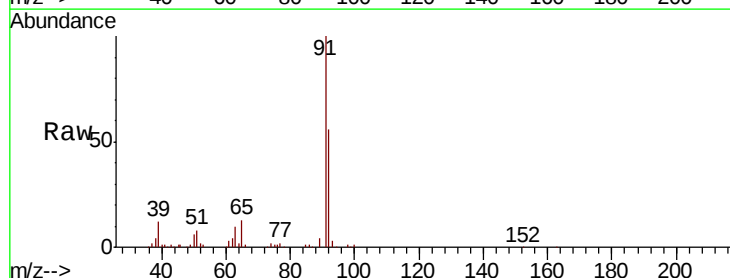
Instrument :
MSVOA_D
ClientSampleId :

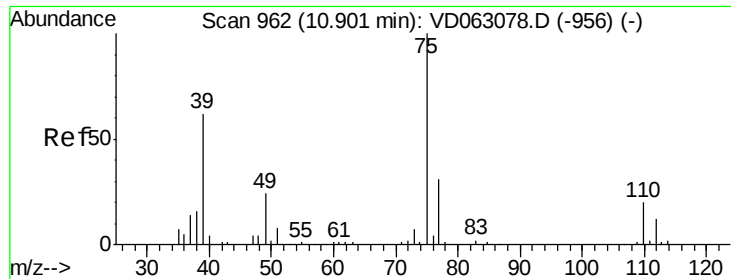
Tot Ion: 43 Resp: 435810
Ion Ratio Lower Upper
43 100
58 32.4 27.8 41.6



#52
Toluene
Concen: 22.194 ug/l
RT: 10.52 min Scan# 923
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 92 Resp: 285233
Ion Ratio Lower Upper
92 100
91 179.3 137.9 206.9

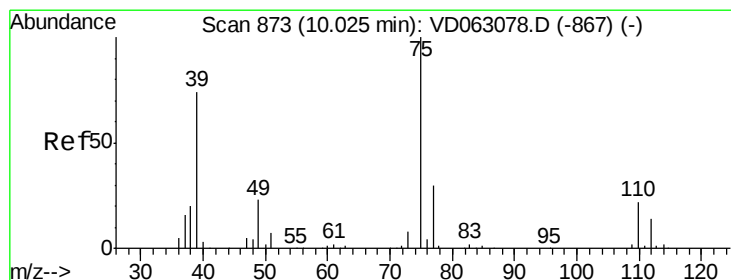
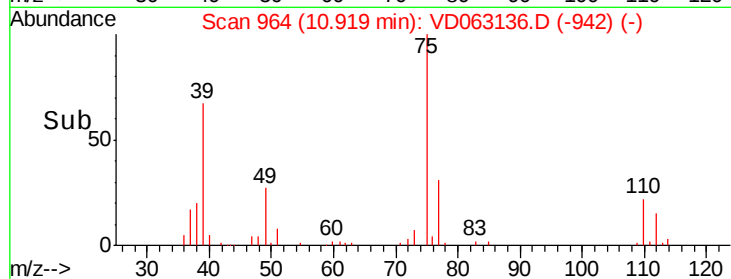
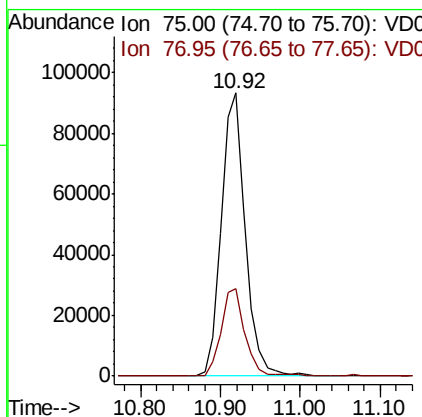
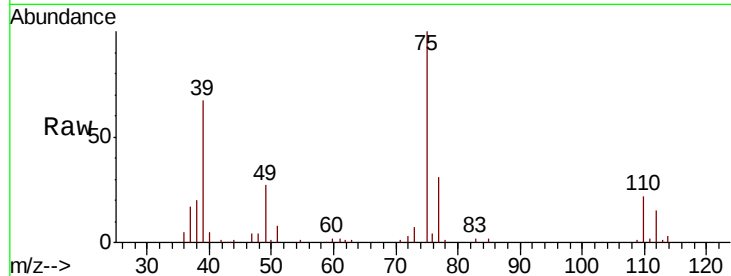




#53
 t-1,3-Dichloropropene
 Concen: 21.390 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

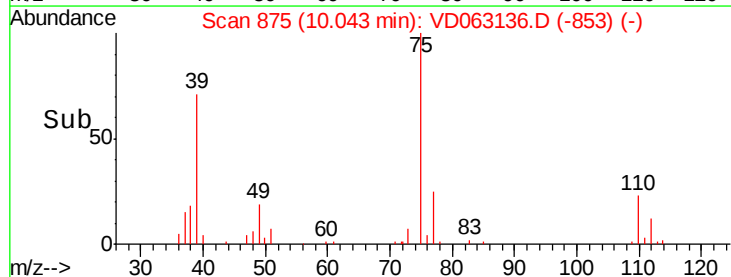
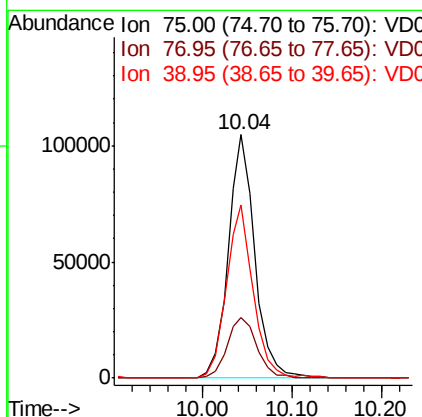
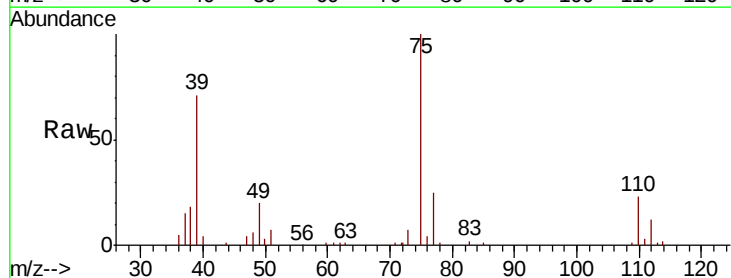
Instrument :
 MSVOA_D
 ClientSampleId :

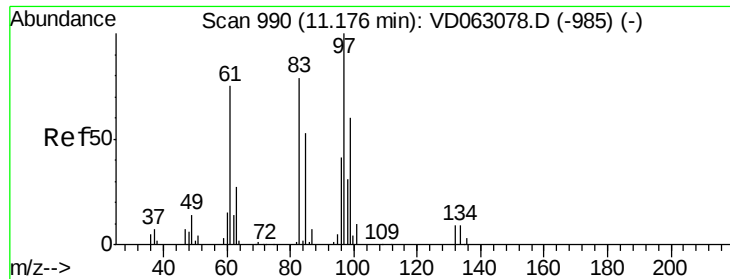
Tot Ion: 75 Resp: 197183
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 22.861 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion: 75 Resp: 217911
 Ion Ratio Lower Upper
 75 100
 77 25.1 23.9 35.9
 39 71.3 59.4 89.0

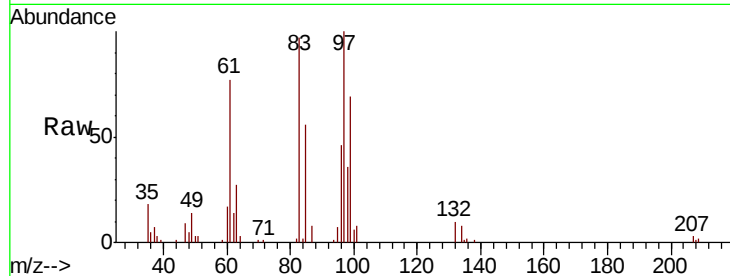




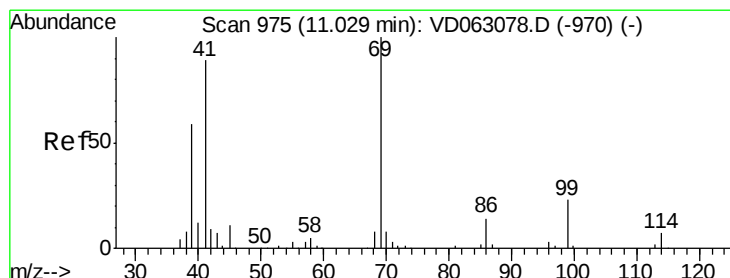
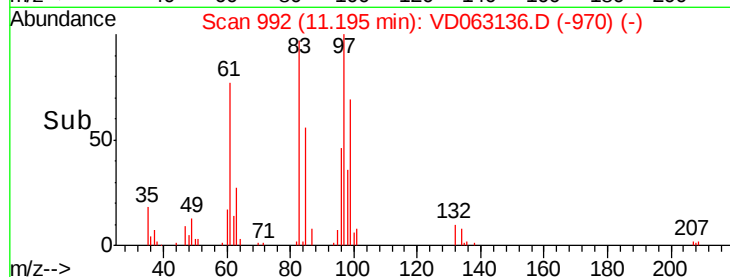
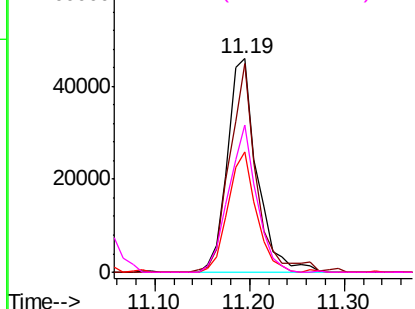
#55
 1,1,2-Trichloroethane
 Concen: 22.499 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 99928
 Ion Ratio Lower Upper
 97 100
 83 97.4 63.2 94.8#
 85 56.5 42.0 63.0
 99 69.1 48.3 72.5

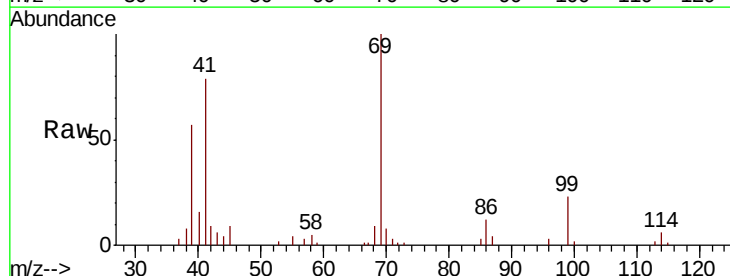


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

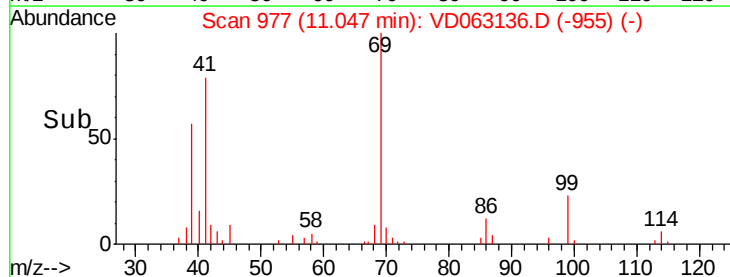
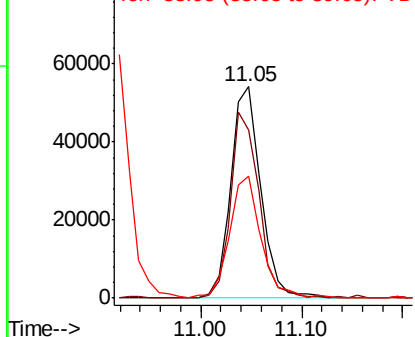


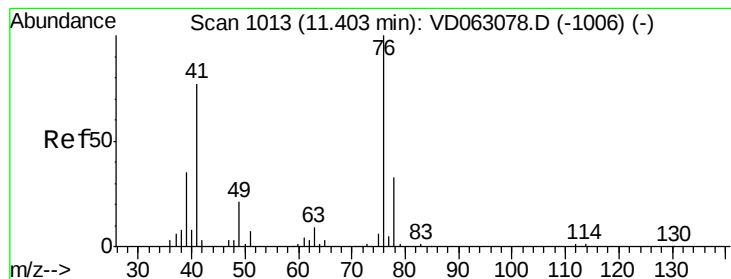
#56
 Ethyl methacrylate
 Concen: 22.461 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion: 69 Resp: 111461
 Ion Ratio Lower Upper
 69 100
 41 79.3 71.0 106.4
 39 57.5 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: 20.507 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

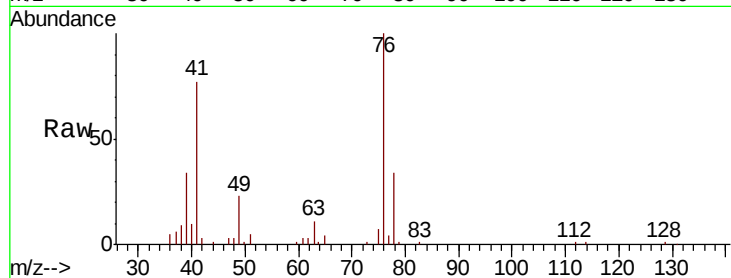
ClientSampleId :

Tot Ion: 76 Resp: 138592

Ion Ratio Lower Upper

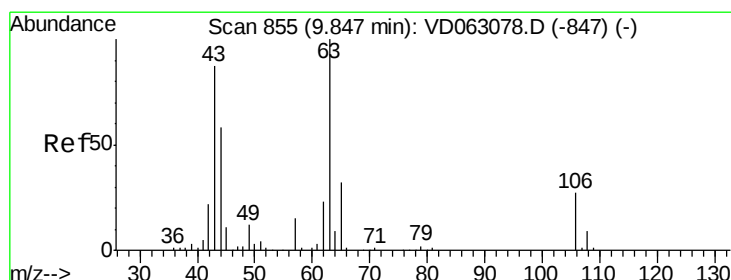
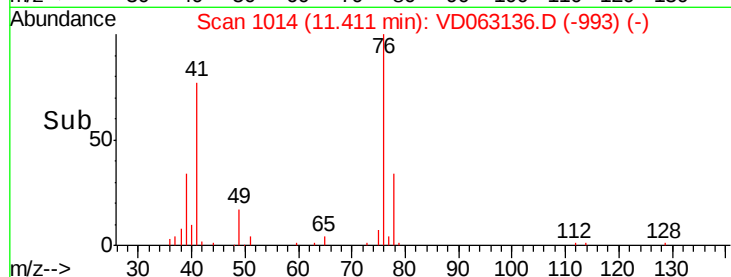
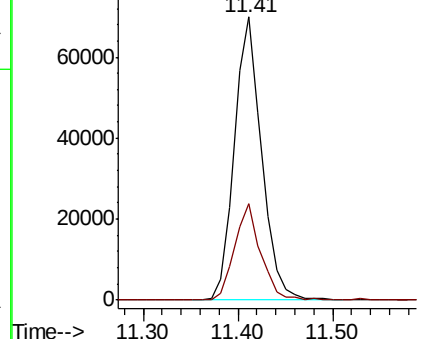
76 100

78 34.3 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 107.021 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD063136.D

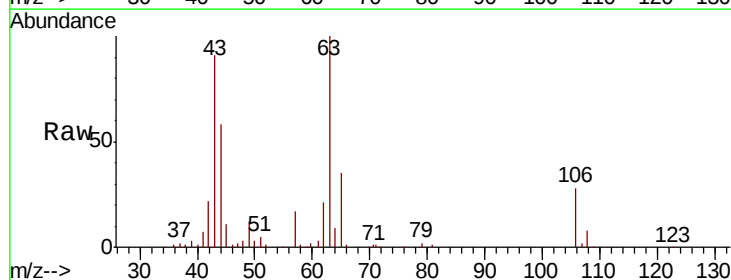
Acq: 17 Jul 2019 17:26

Tgt Ion: 63 Resp: 295706

Ion Ratio Lower Upper

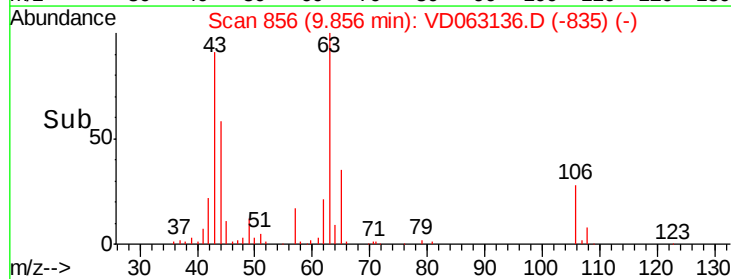
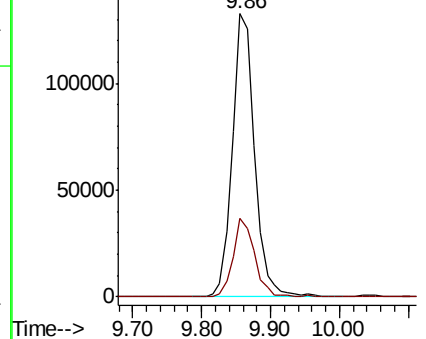
63 100

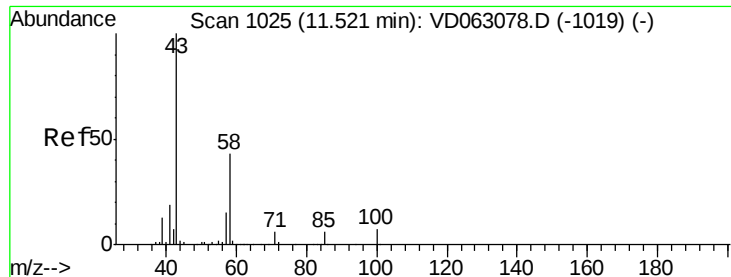
106 27.8 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

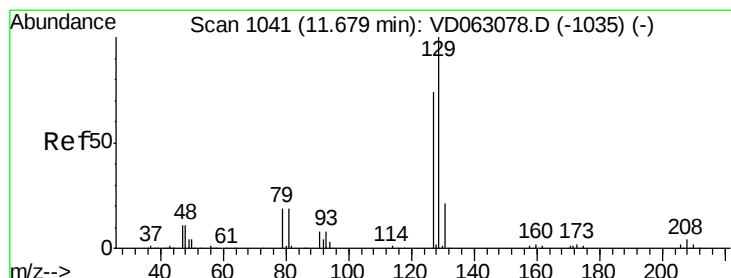
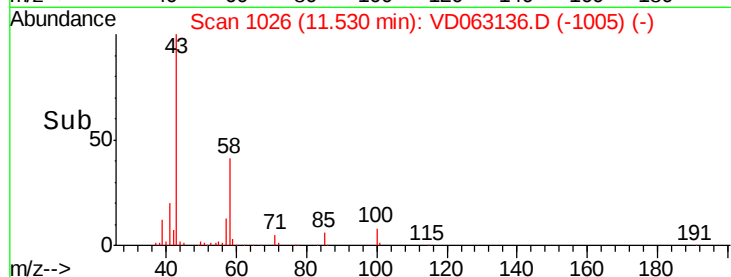
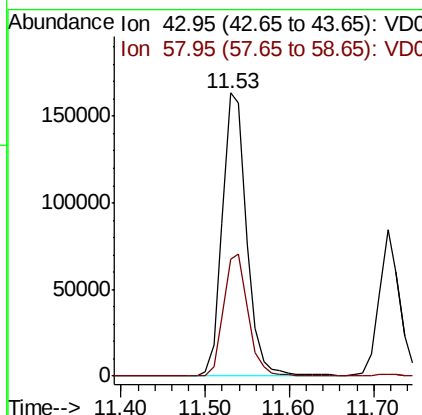
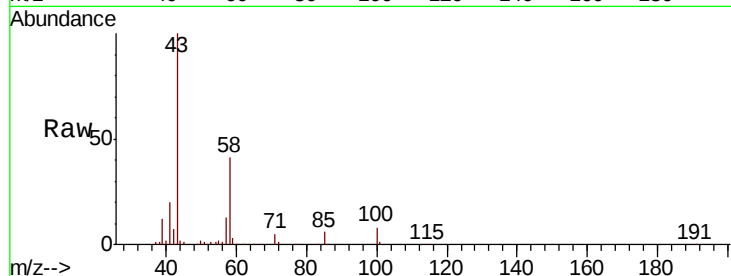




#59
2-Hexanone
Concen: 113.816 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

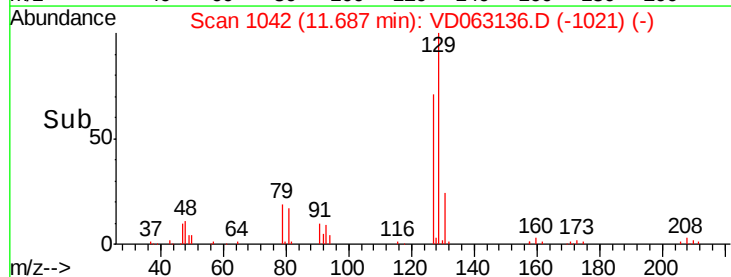
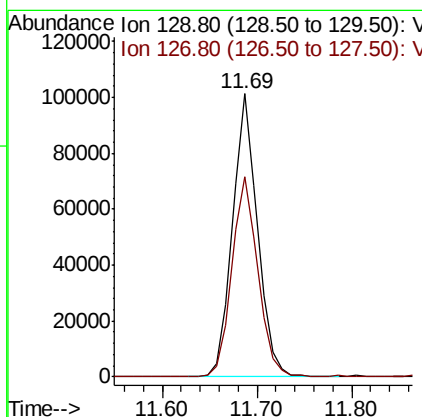
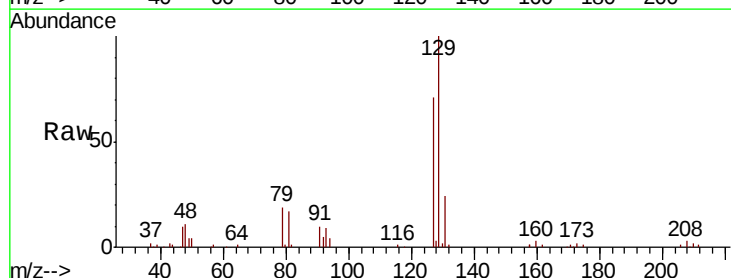
Instrument :
MSVOA_D
ClientSampleId :

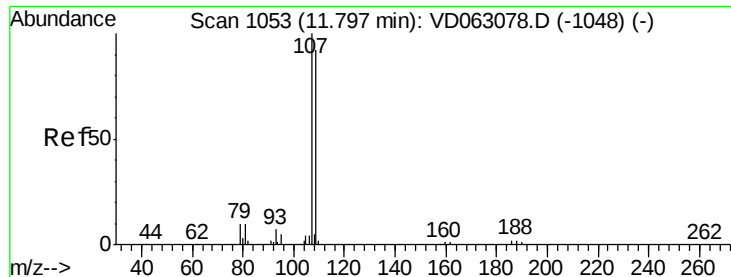
Tot Ion: 43 Resp: 328173
Ion Ratio Lower Upper
43 100
58 41.4 21.7 65.1



#60
Dibromochloromethane
Concen: 21.706 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 129 Resp: 184793
Ion Ratio Lower Upper
129 100
127 70.6 37.0 110.9

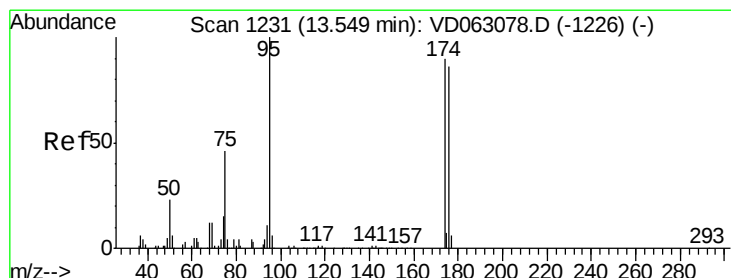
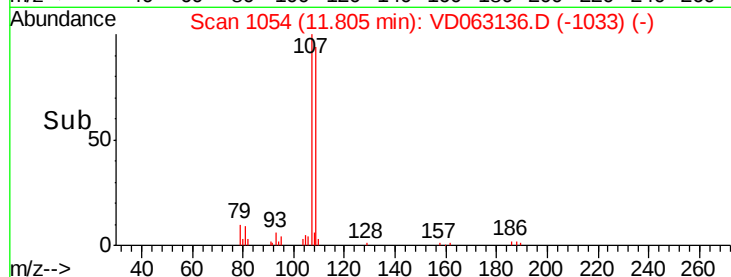
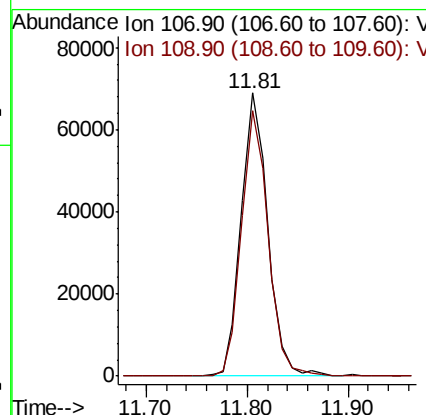
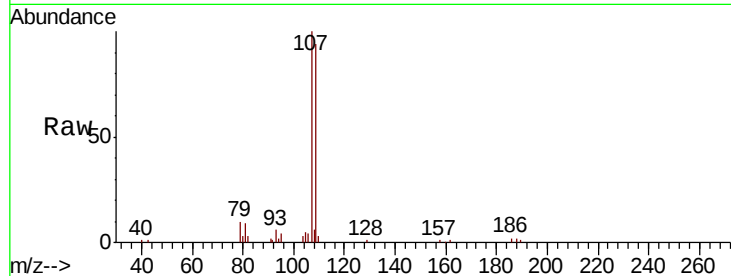




#61
 1,2-Dibromoethane
 Concen: 23.848 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

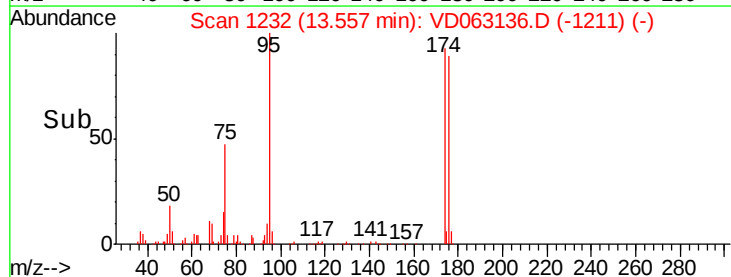
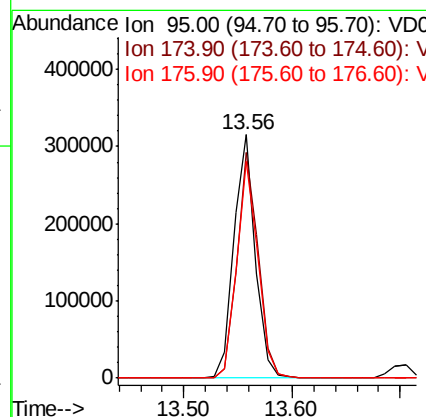
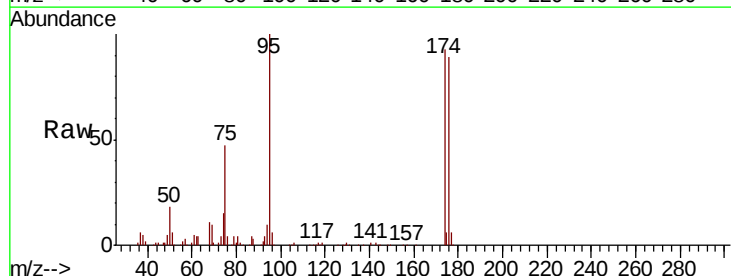
Instrument :
 MSVOA_D
 ClientSampleId :

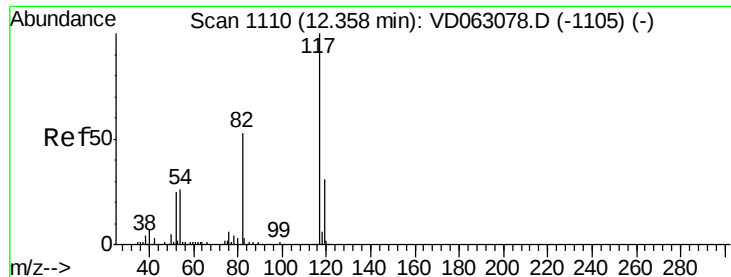
Tot Ion:107 Resp: 126781
 Ion Ratio Lower Upper
 107 100
 109 93.9 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 53.466 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion: 95 Resp: 432378
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 180.6
 176 89.0 0.0 172.2

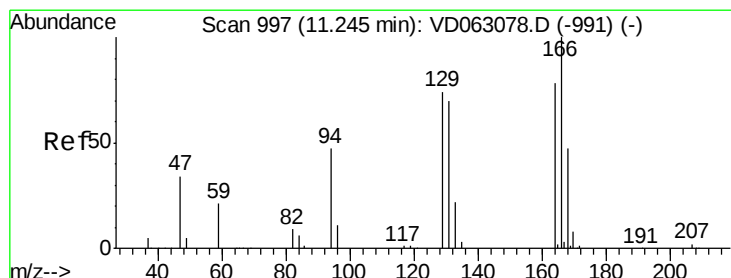
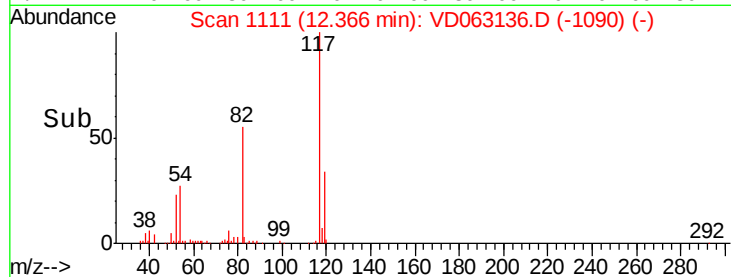
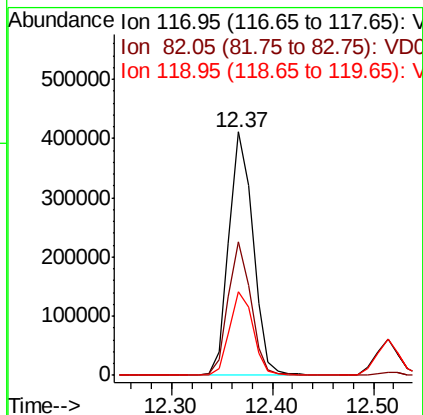
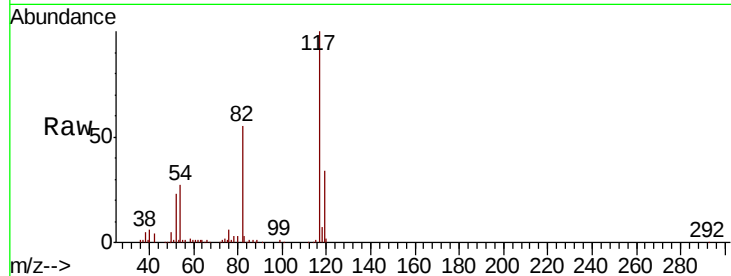




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

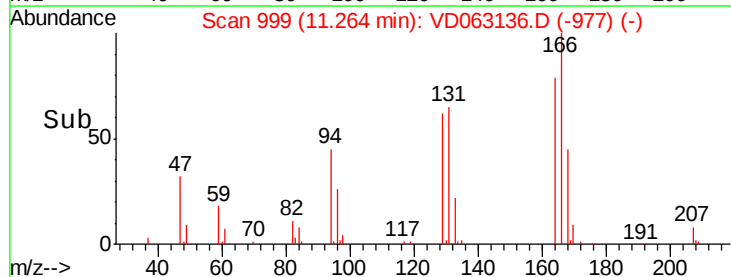
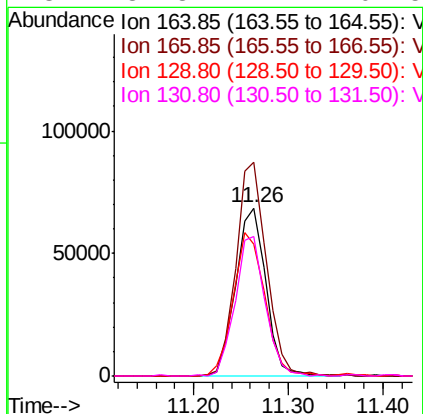
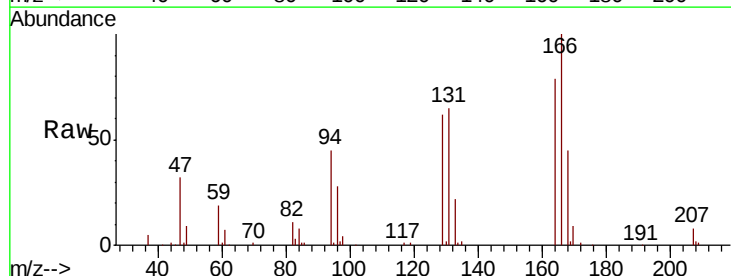
Instrument :
MSVOA_D
ClientSampleId :

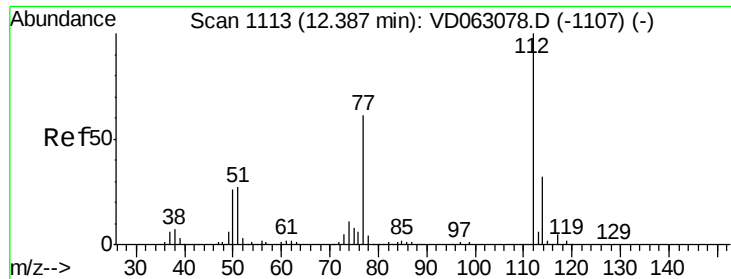
Tot Ion:117 Resp: 684441
Ion Ratio Lower Upper
117 100
82 55.1 42.3 63.5
119 34.4 25.2 37.8



#64
Tetrachloroethene
Concen: 22.825 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion:164 Resp: 151590
Ion Ratio Lower Upper
164 100
166 127.1 102.8 154.2
129 78.6 76.4 114.6
131 82.8 71.7 107.5

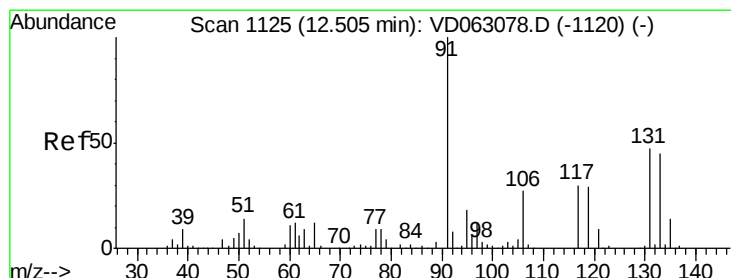
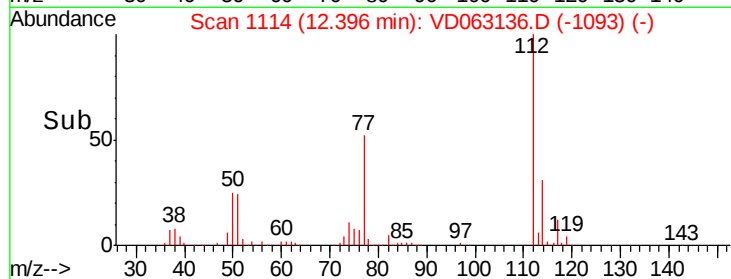
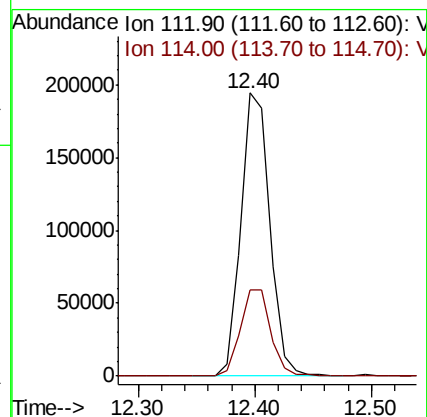
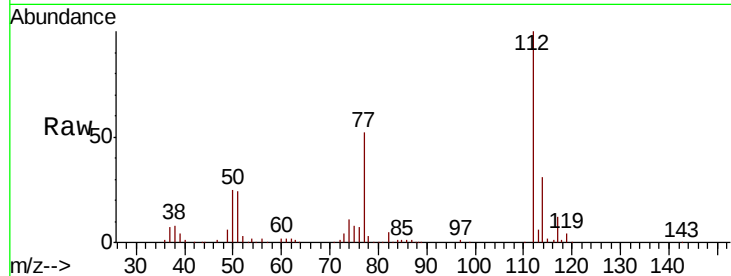




#65
Chlorobenzene
Concen: 20.793 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

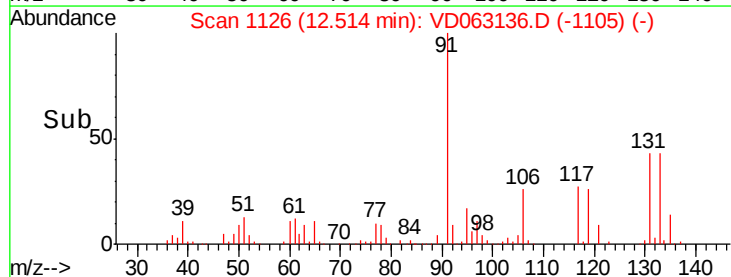
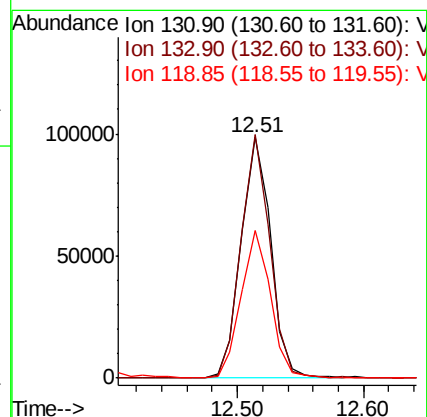
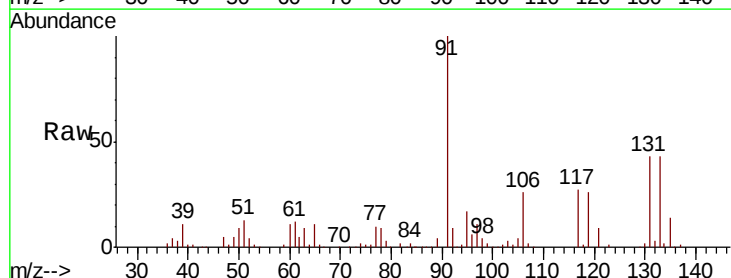
Instrument :
MSVOA_D
ClientSampleId :

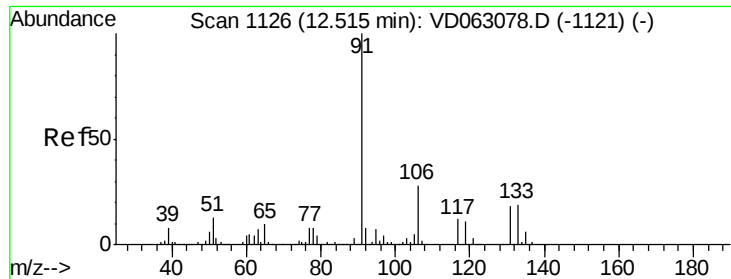
Tot Ion:112 Resp: 334548
Ion Ratio Lower Upper
112 100
114 30.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.559 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion:131 Resp: 160818
Ion Ratio Lower Upper
131 100
133 101.0 48.5 145.6
119 61.3 30.8 92.3

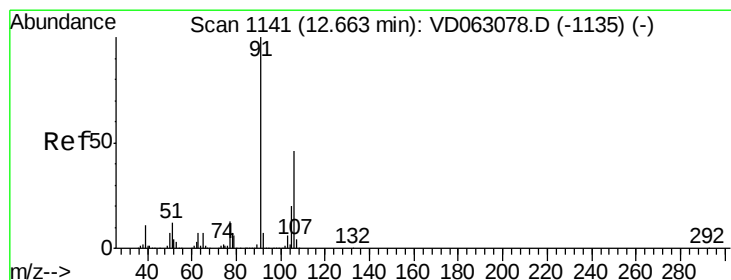
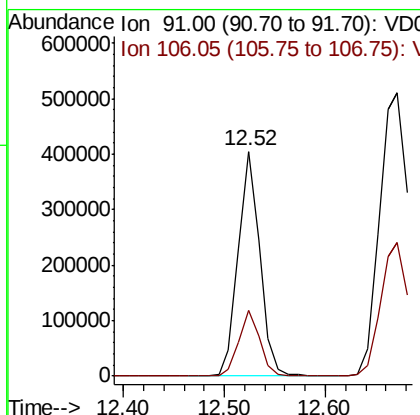
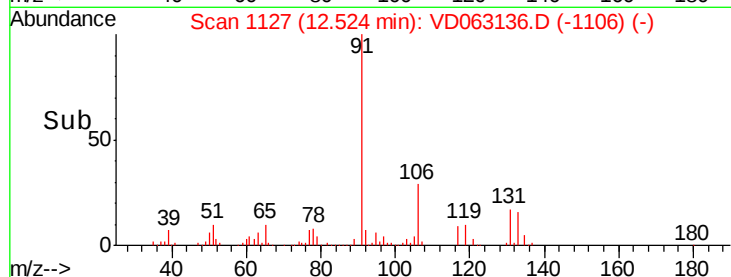
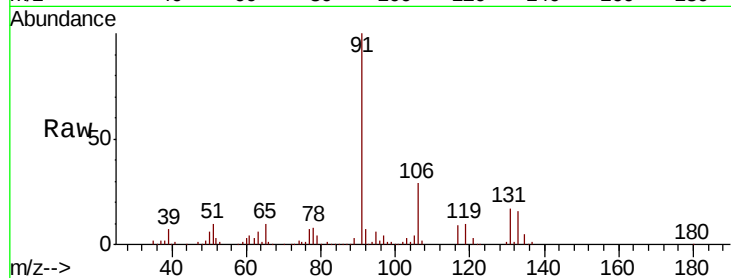




#67
Ethyl Benzene
Concen: 21.561 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

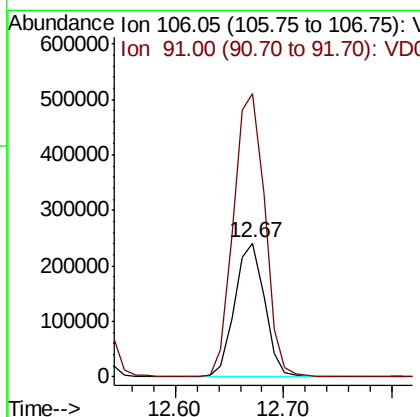
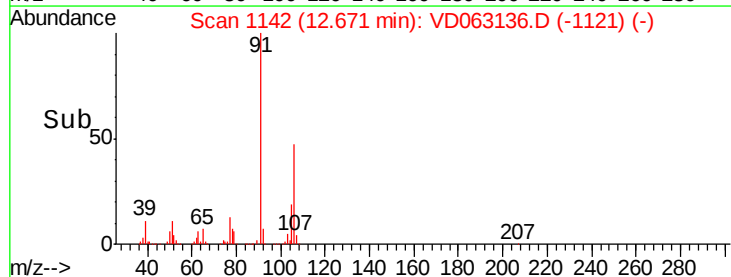
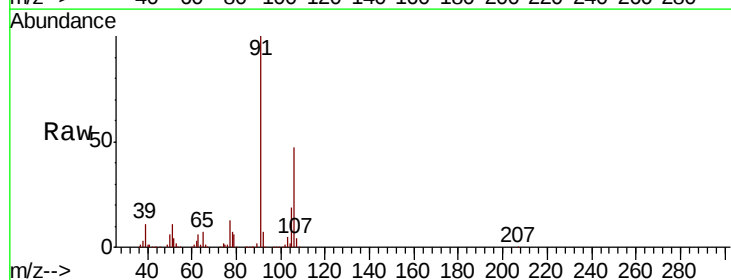
Instrument :
MSVOA_D
ClientSampled :

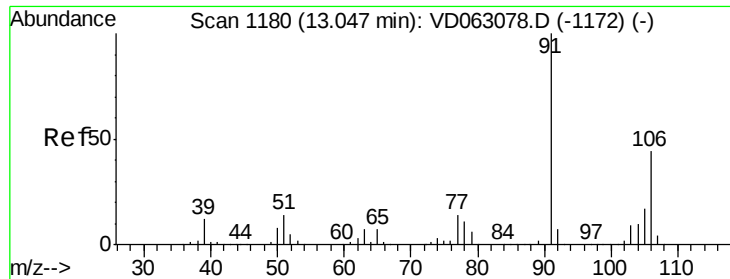
Tot Ion: 91 Resp: 602741
Ion Ratio Lower Upper
91 100
106 29.4 22.5 33.7



#68
m/p-Xylenes
Concen: 46.211 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion: 106 Resp: 462705
Ion Ratio Lower Upper
106 100
91 211.1 173.0 259.6

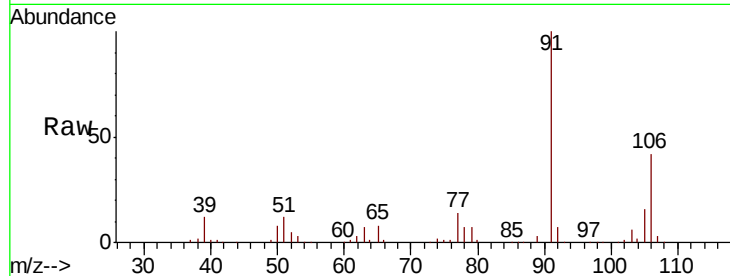




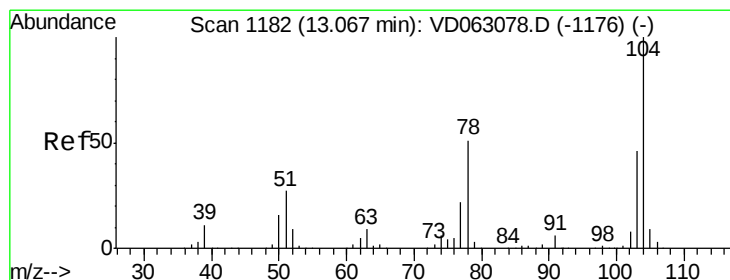
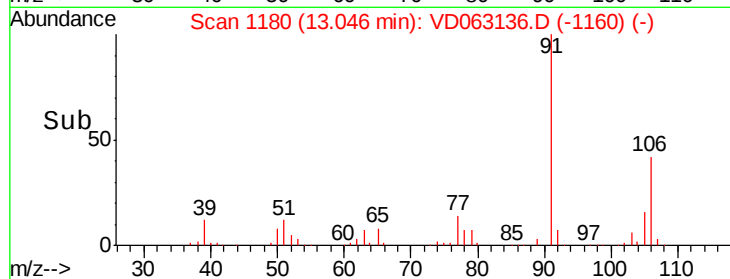
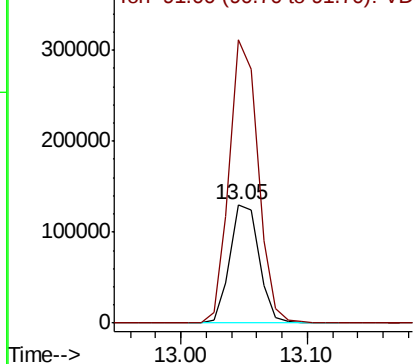
#69
o-Xylene
Concen: 22.030 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 209157
Ion Ratio Lower Upper
106 100
91 238.5 114.9 344.7

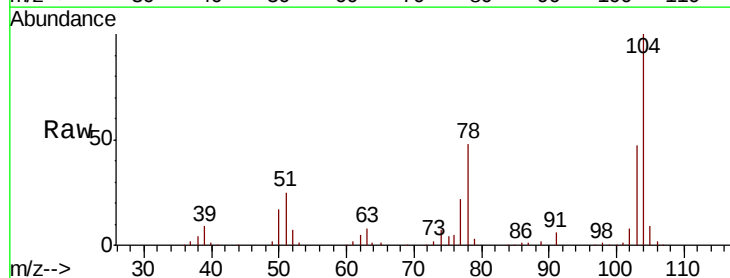


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

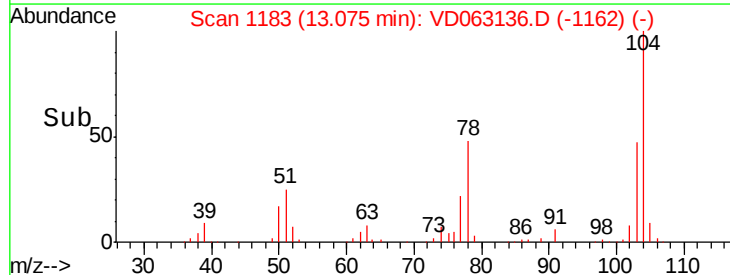
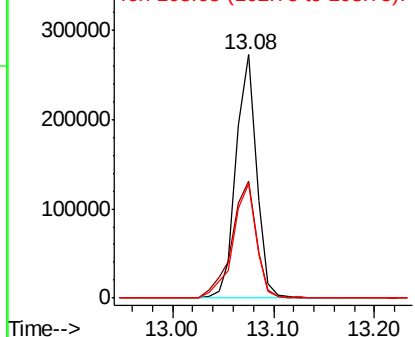


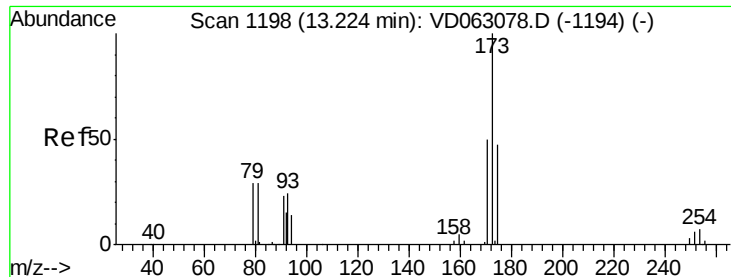
#70
Styrene
Concen: 23.123 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion:104 Resp: 384281
Ion Ratio Lower Upper
104 100
78 47.8 41.1 61.7
103 47.2 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: 22.643 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampled :

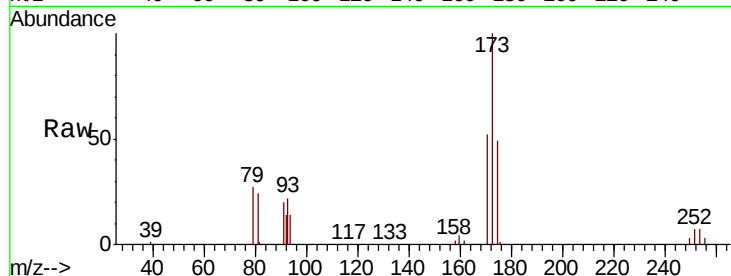
Tot Ion:173 Resp: 118248

Ion Ratio Lower Upper

173 100

175 49.4 23.4 70.2

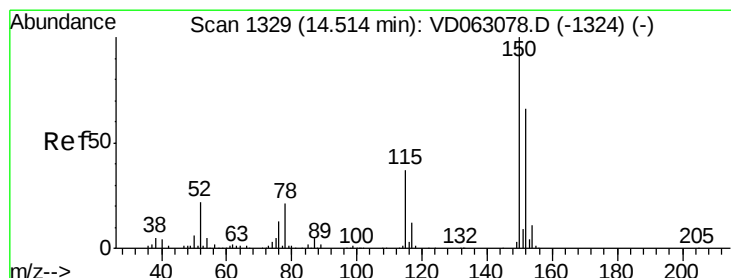
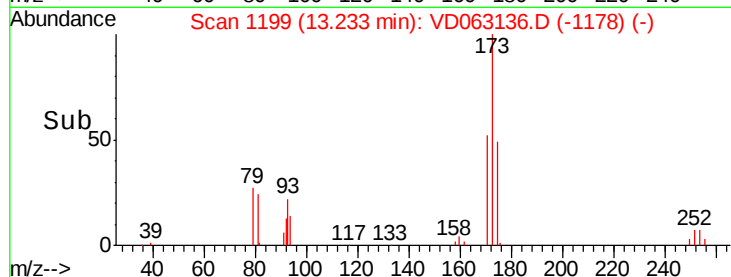
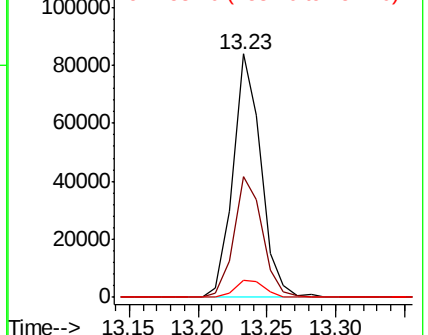
254 6.9 5.4 8.0



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. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

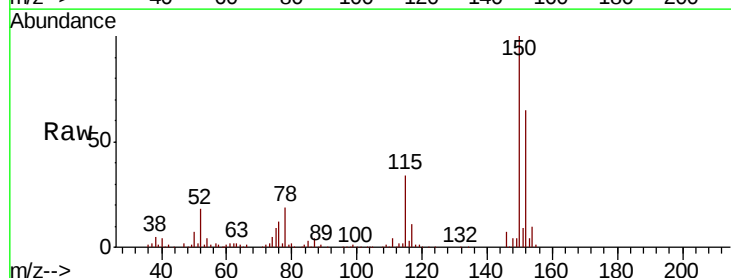
Tgt Ion:152 Resp: 410707

Ion Ratio Lower Upper

152 100

115 51.9 28.9 86.8

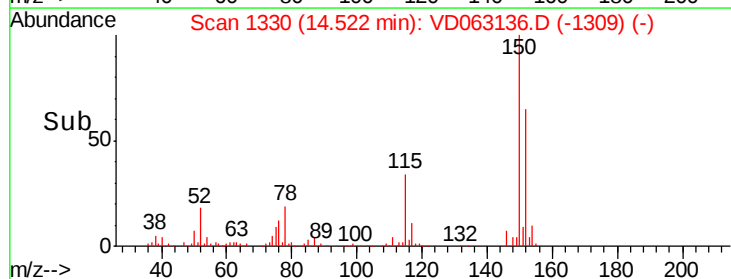
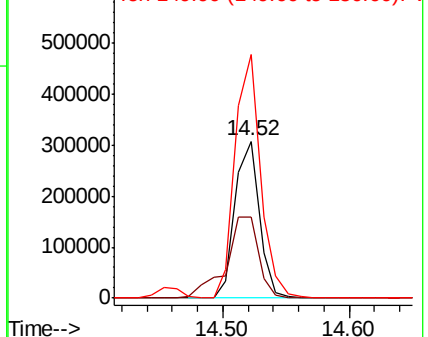
150 154.9 0.0 313.8

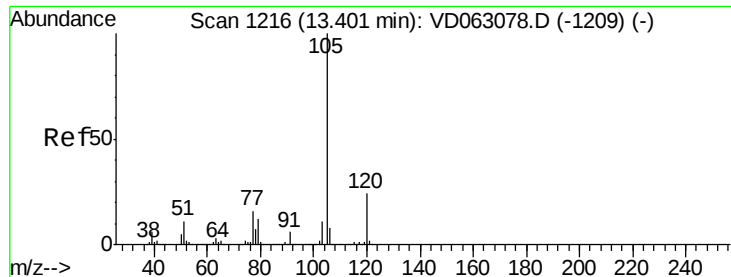


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.474 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

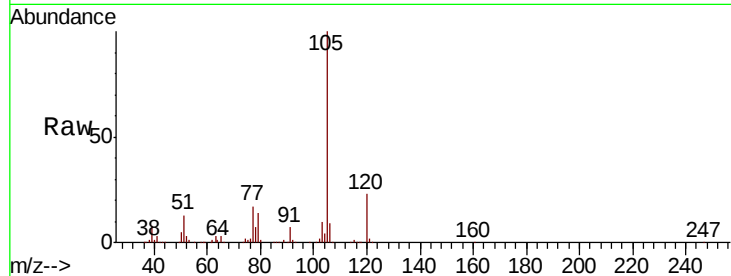
ClientSampleId :

Tot Ion:105 Resp: 649397

Ion Ratio Lower Upper

105 100

120 23.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

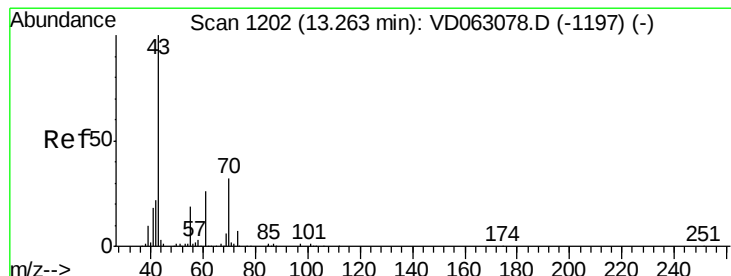
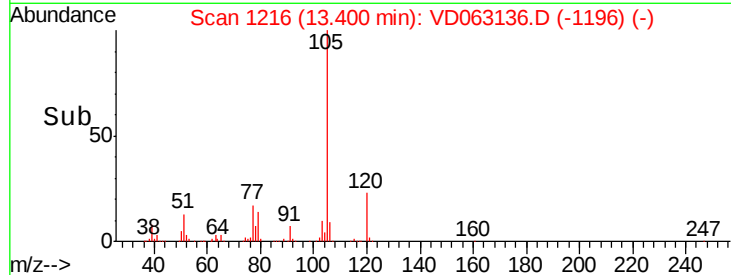
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.746 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Tgt Ion: 43 Resp: 183517

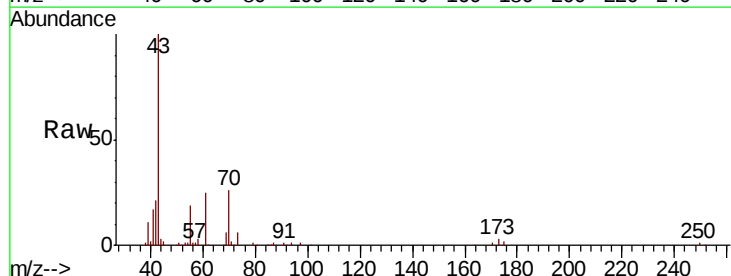
Ion Ratio Lower Upper

43 100

70 25.9 25.5 38.3

55 18.6 15.4 23.0

61 24.8 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

200000

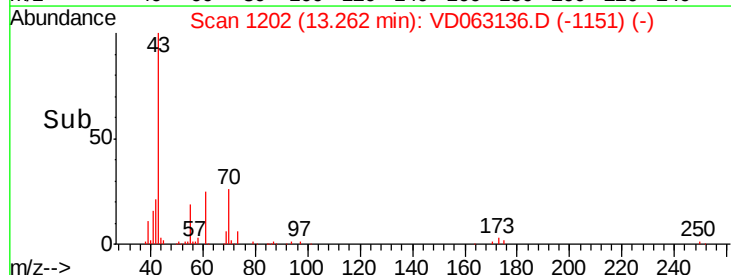
150000

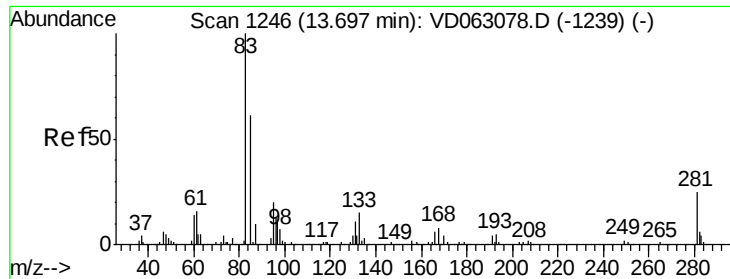
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.882 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

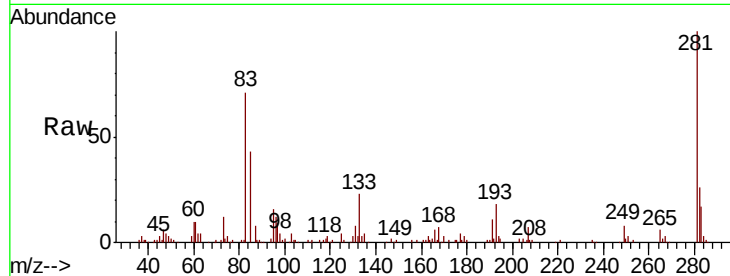
Tot Ion: 83 Resp: 120505

Ion Ratio Lower Upper

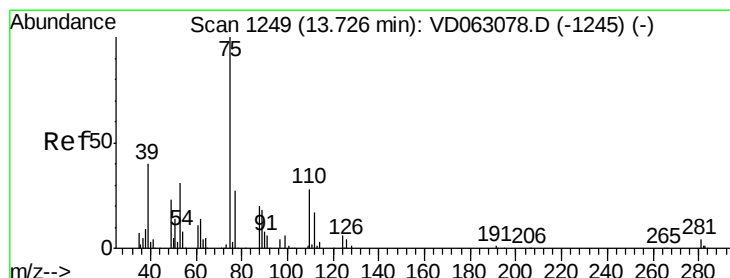
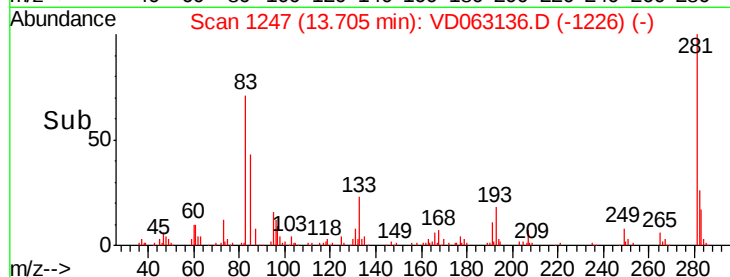
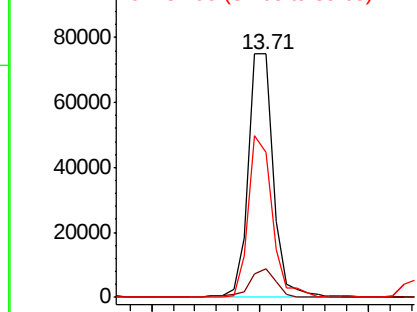
83 100

131 11.6 5.5 16.7

85 59.5 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: 20.033 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063136.D

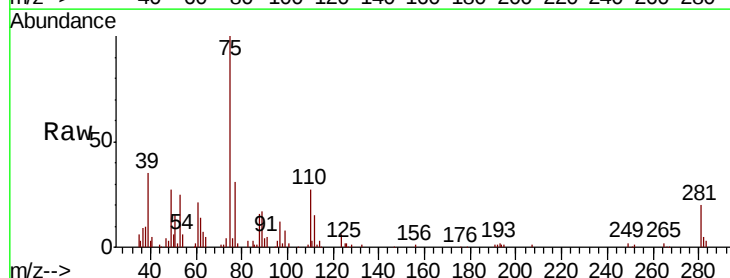
Acq: 17 Jul 2019 17:26

Tgt Ion: 75 Resp: 126567

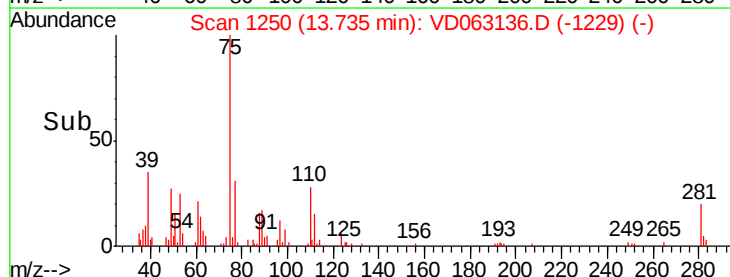
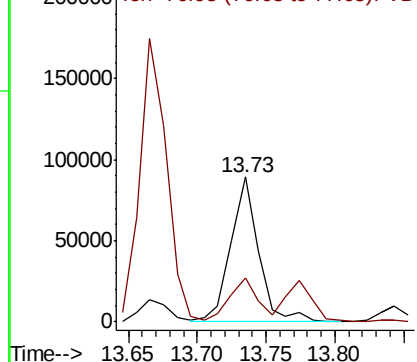
Ion Ratio Lower Upper

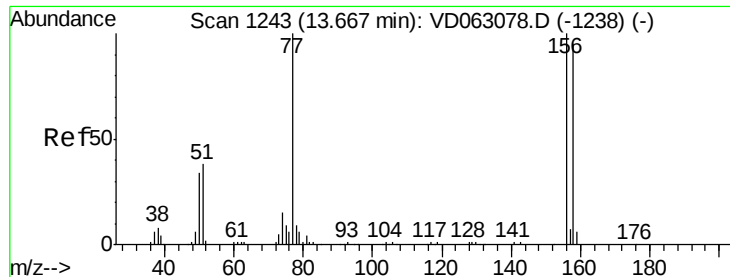
75 100

77 30.5 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: 20.243 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

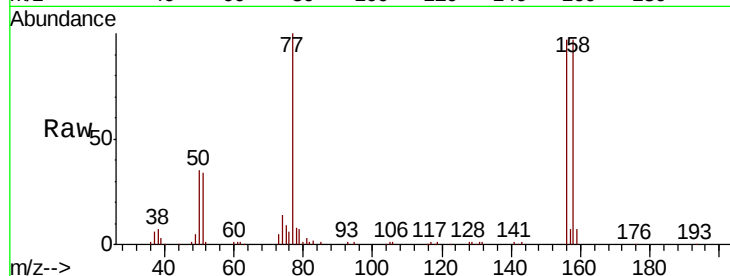
Tot Ion:156 Resp: 182075

Ion Ratio Lower Upper

156 100

77 103.1 50.2 150.7

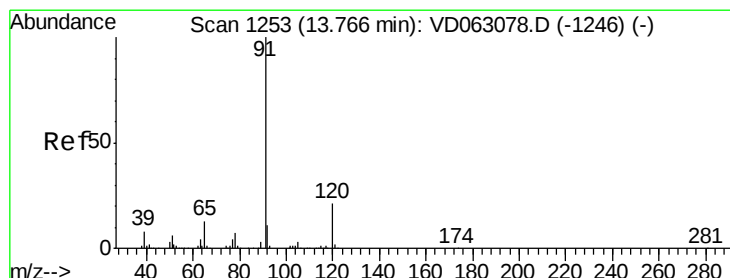
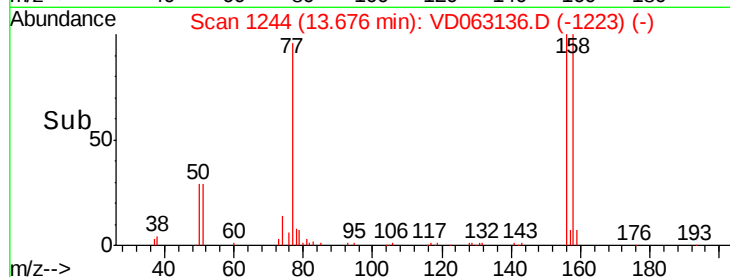
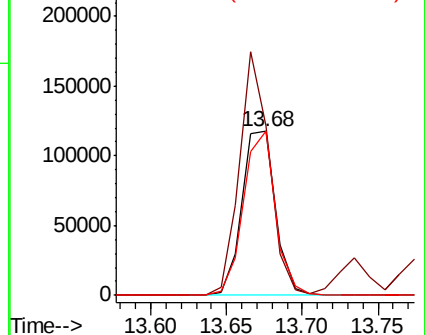
158 100.4 47.6 142.9



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: 21.387 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063136.D

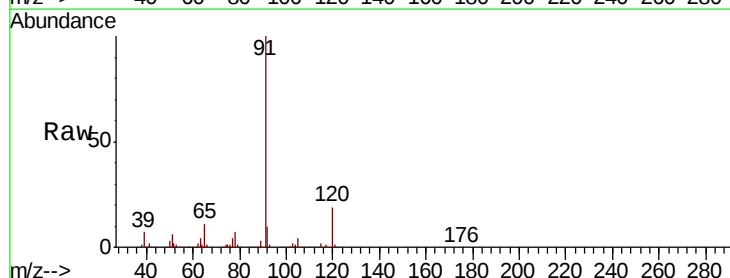
Acq: 17 Jul 2019 17:26

Tgt Ion: 91 Resp: 780611

Ion Ratio Lower Upper

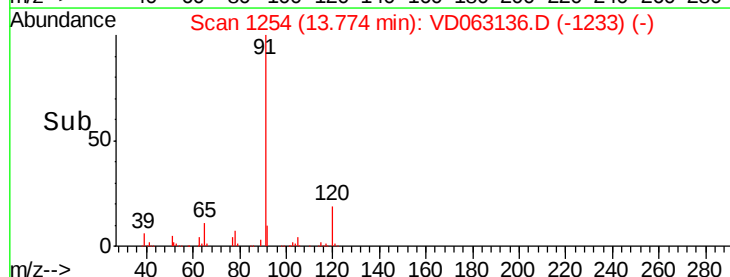
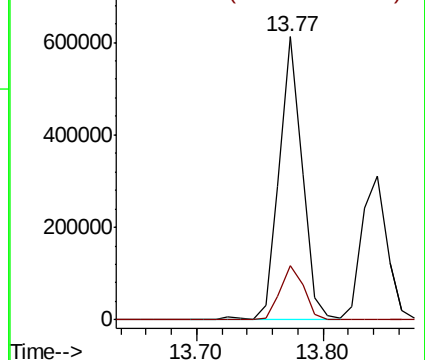
91 100

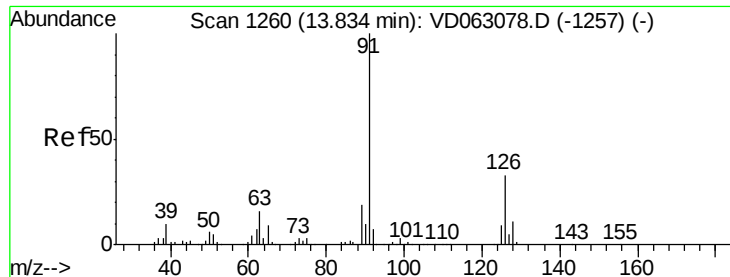
120 19.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.395 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

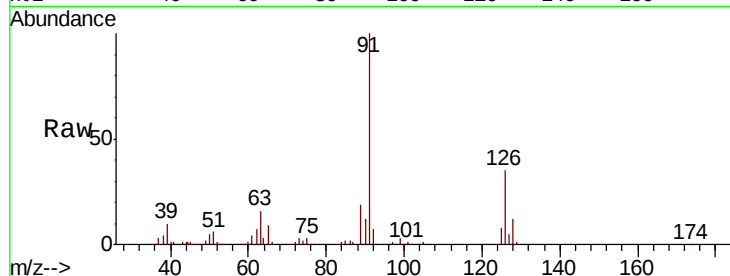
ClientSampleId :

Tot Ion: 91 Resp: 428027

Ion Ratio Lower Upper

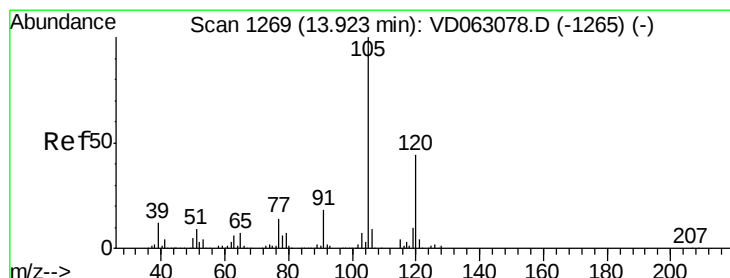
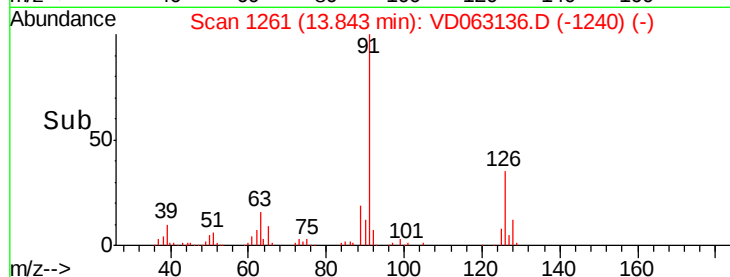
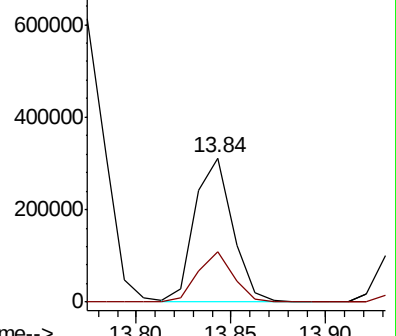
91 100

126 34.7 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.683 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063136.D

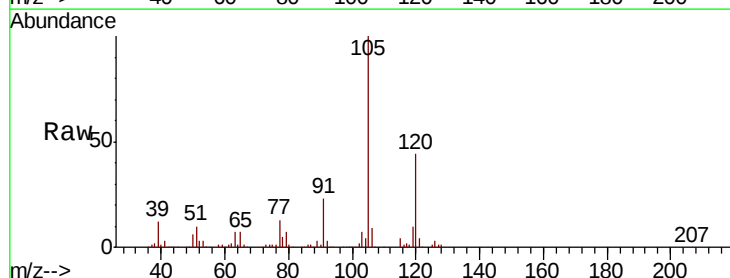
Acq: 17 Jul 2019 17:26

Tgt Ion: 105 Resp: 571765

Ion Ratio Lower Upper

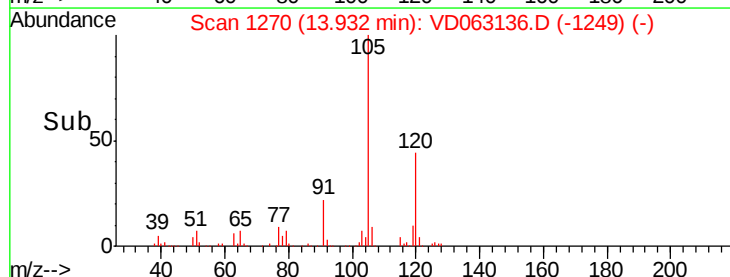
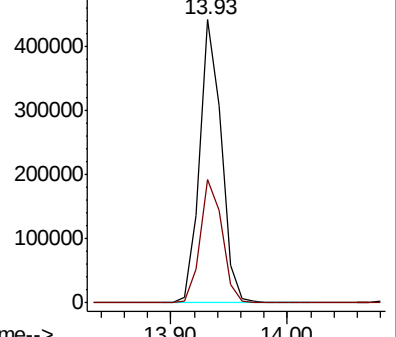
105 100

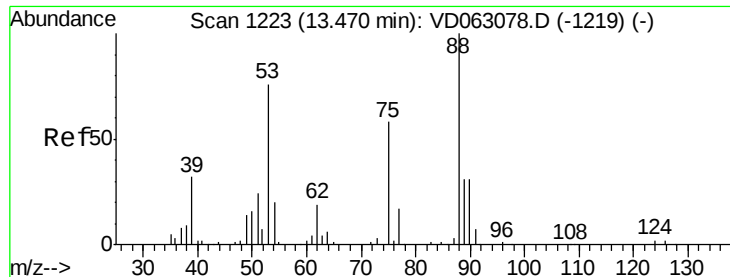
120 43.6 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.573 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampled :

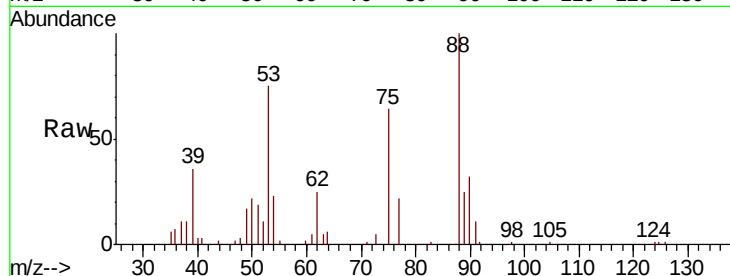
Tot Ion: 75 Resp: 34228

Ion Ratio Lower Upper

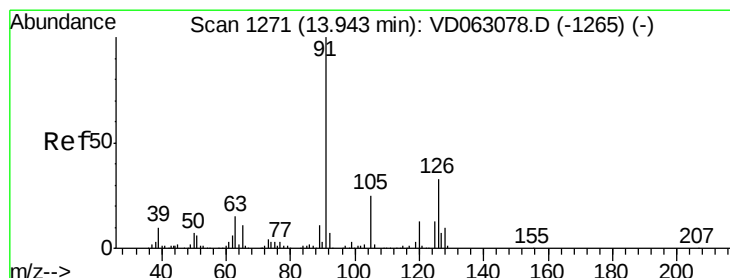
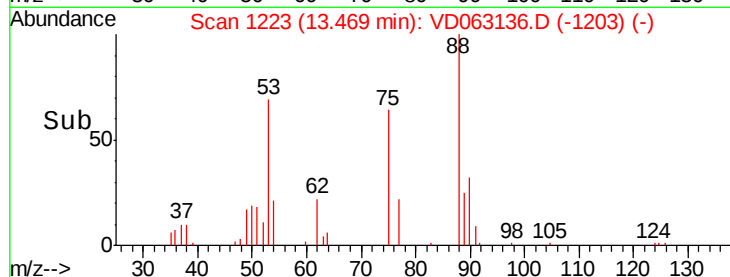
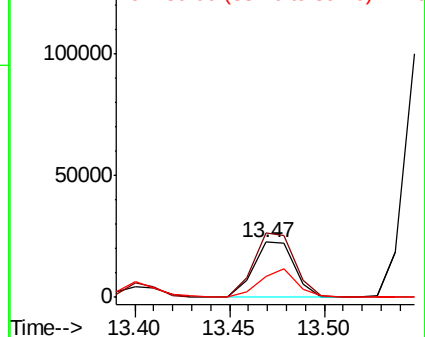
75 100

53 117.2 104.4 156.6

89 39.1 43.1 64.7#



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



#82

4-Chlorotoluene

Concen: 21.478 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD063136.D

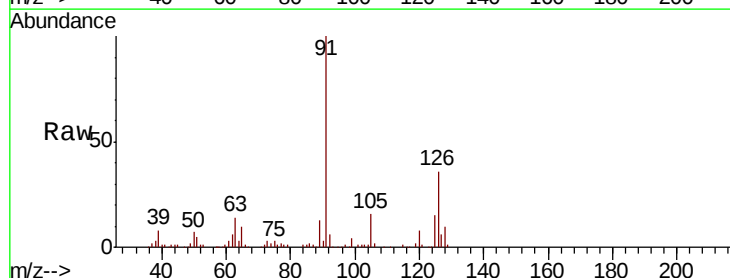
Acq: 17 Jul 2019 17:26

Tgt Ion: 91 Resp: 553494

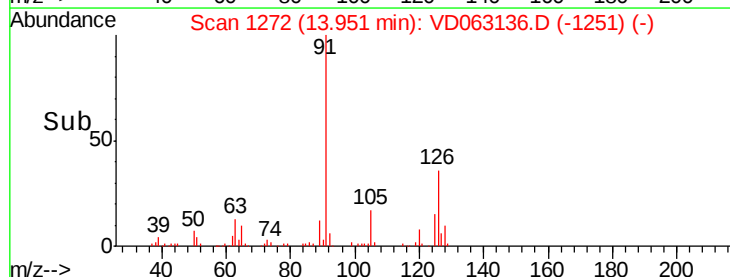
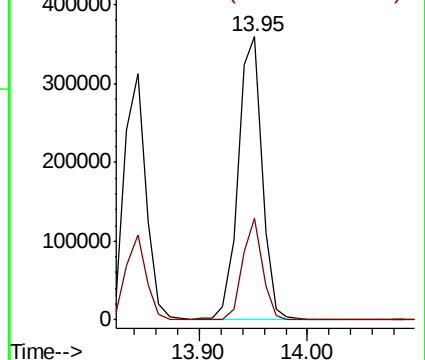
Ion Ratio Lower Upper

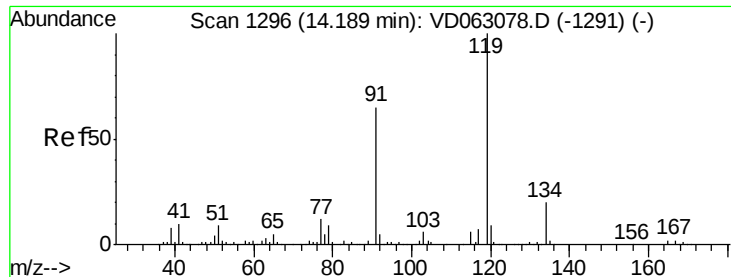
91 100

126 35.9 16.7 50.1



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

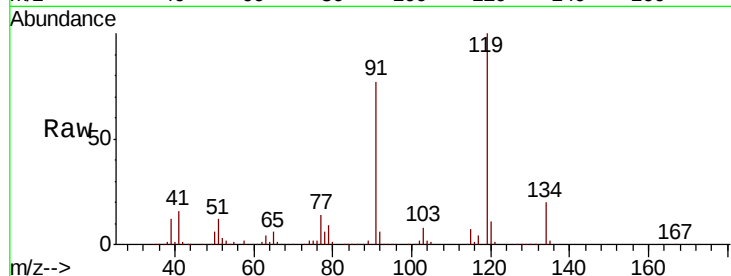




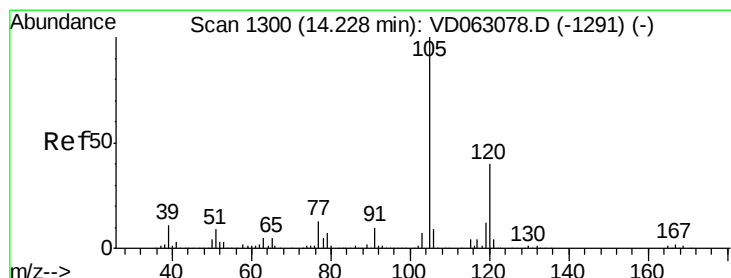
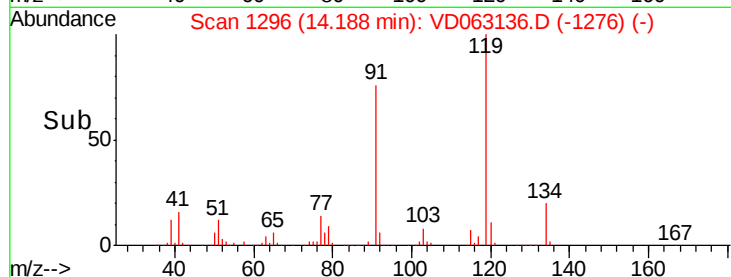
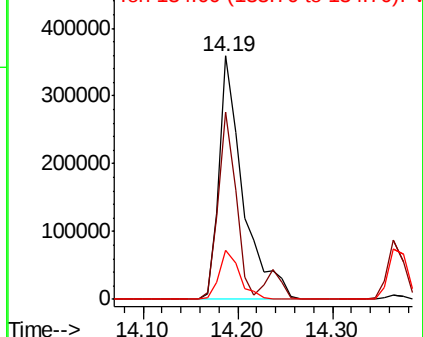
#83
tert-Butylbenzene
Concen: 20.174 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 630562
Ion Ratio Lower Upper
119 100
91 76.8 32.4 97.2
134 20.1 10.2 30.6

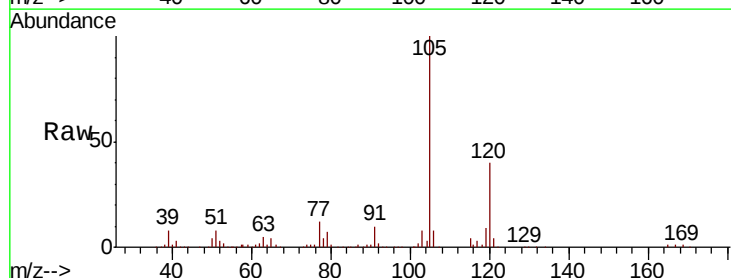


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

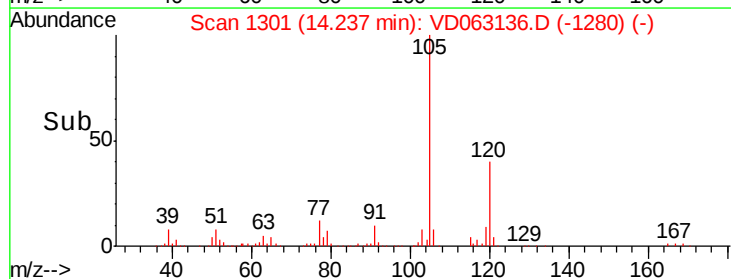
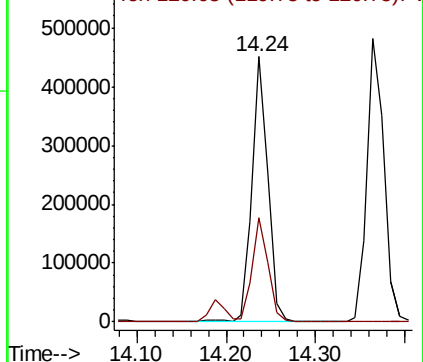


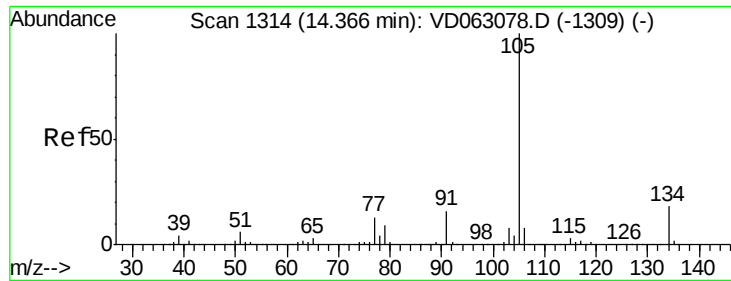
#84
1,2,4-Trimethylbenzene
Concen: 20.035 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion:105 Resp: 552159
Ion Ratio Lower Upper
105 100
120 39.5 20.2 60.6



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

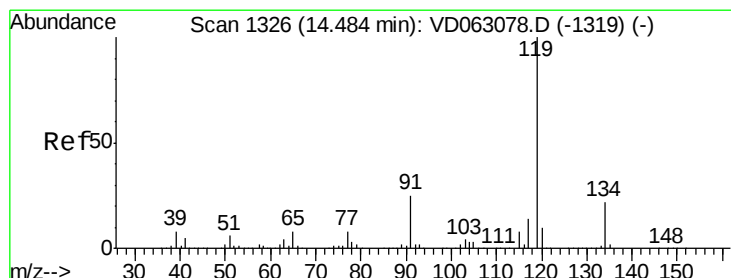
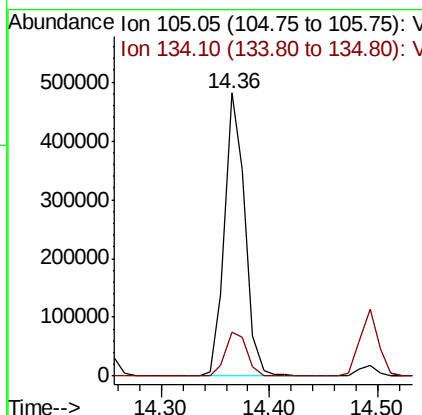
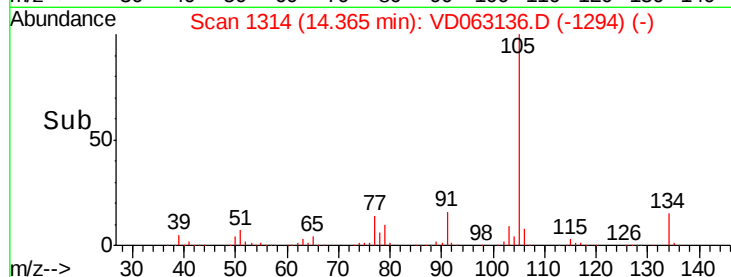
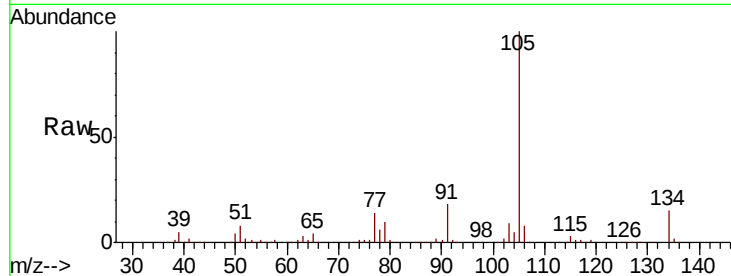




#85
 sec-Butylbenzene
 Concen: 18.943 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

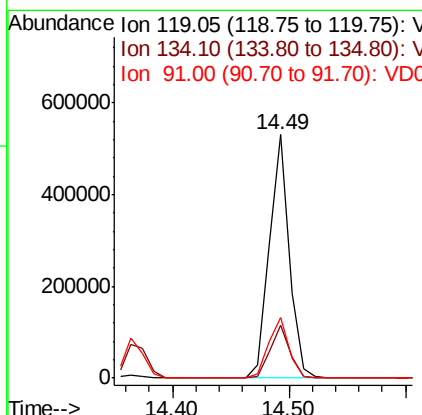
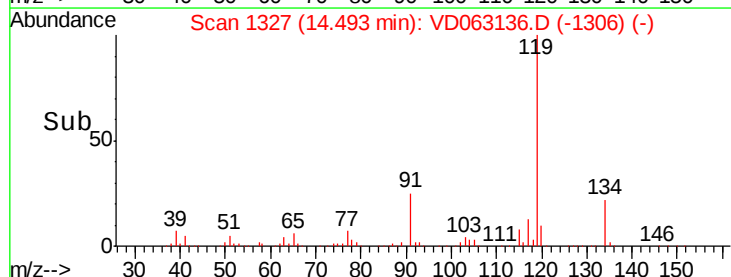
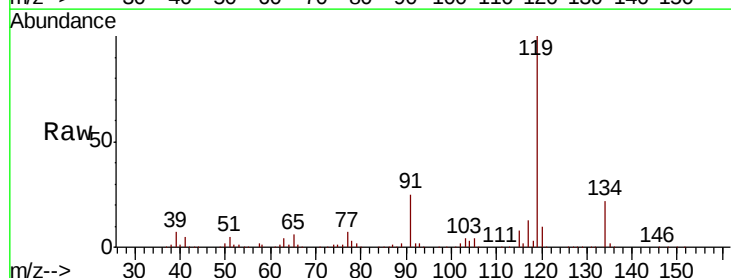
Instrument :
 MSVOA_D
 ClientSampled :

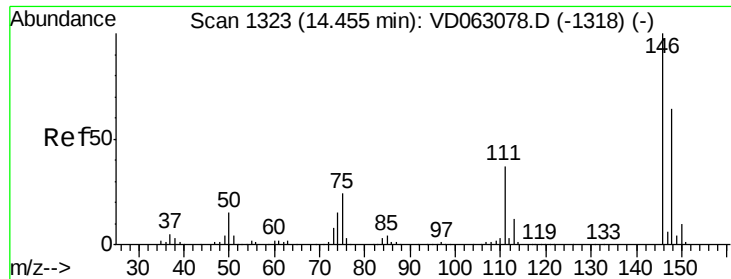
Tot Ion:105 Resp: 629088
 Ion Ratio Lower Upper
 105 100
 134 15.4 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 20.259 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion:119 Resp: 627621
 Ion Ratio Lower Upper
 119 100
 134 21.5 10.8 32.4
 91 25.0 12.5 37.5

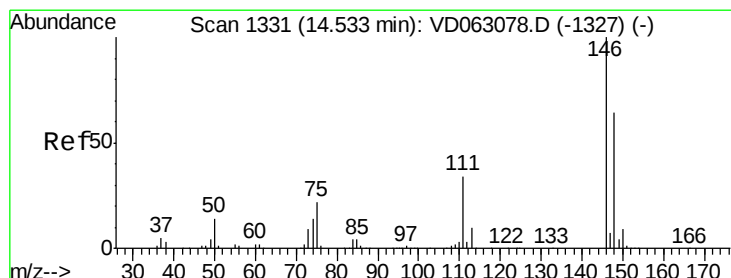
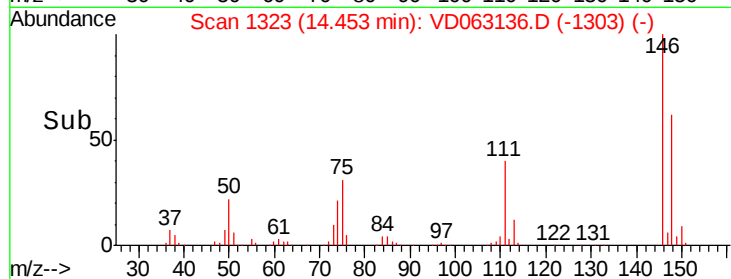
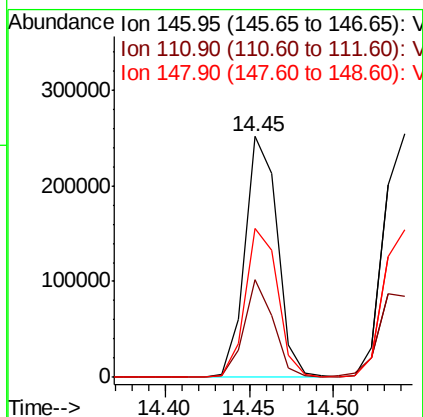
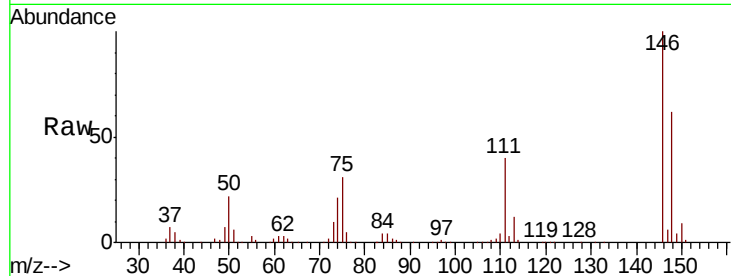




#87
 1,3-Dichlorobenzene
 Concen: 20.893 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

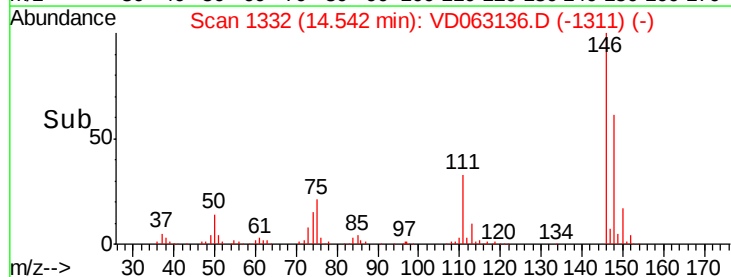
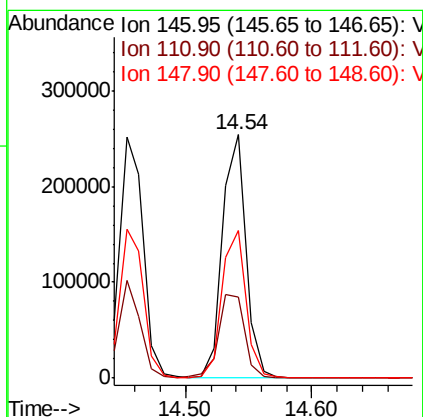
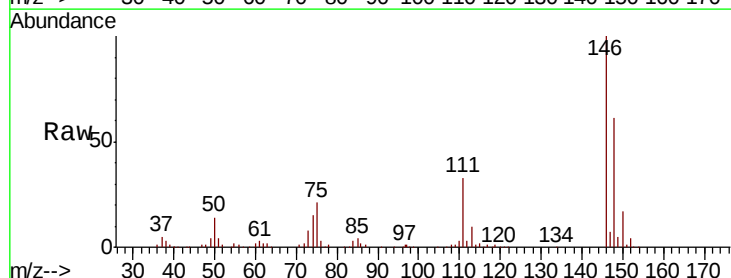
Instrument :
 MSVOA_D
 ClientSampleId :

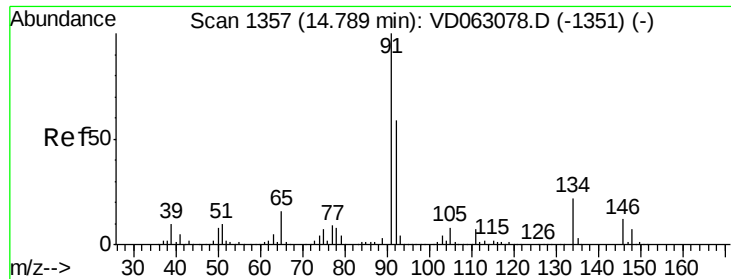
Tot Ion:146 Resp: 335610
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.6 55.6
 148 62.1 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 21.369 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion:146 Resp: 329067
 Ion Ratio Lower Upper
 146 100
 111 33.4 17.0 51.0
 148 60.8 32.0 96.2





#89

n-Butylbenzene

Concen: 20.169 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

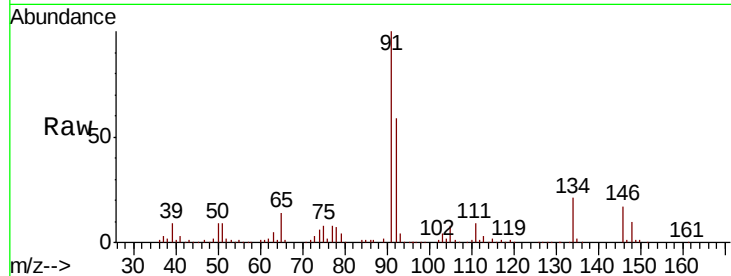
Tot Ion: 91 Resp: 575925

Ion Ratio Lower Upper

91 100

92 58.9 29.4 88.3

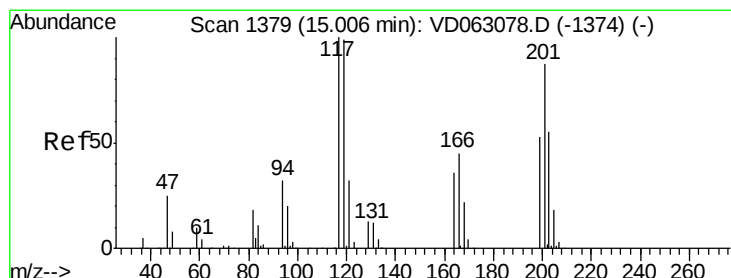
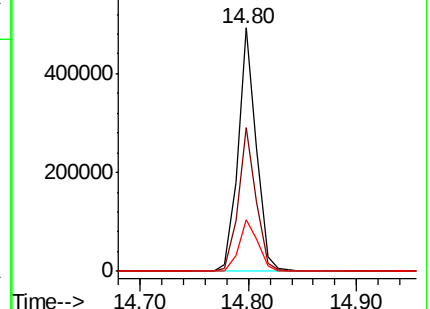
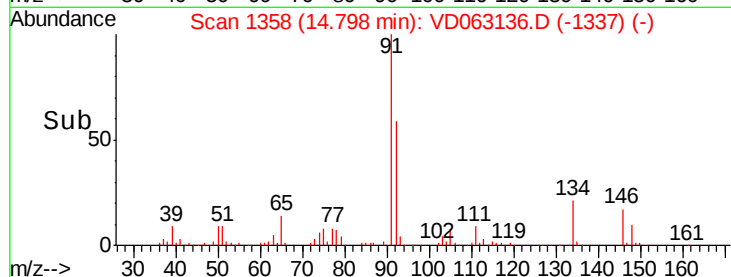
134 21.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 18.115 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063136.D

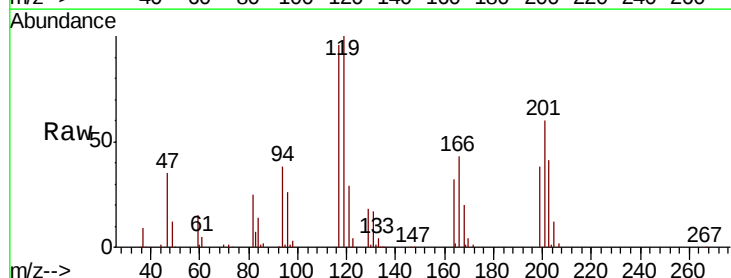
Acq: 17 Jul 2019 17:26

Tgt Ion: 117 Resp: 150032

Ion Ratio Lower Upper

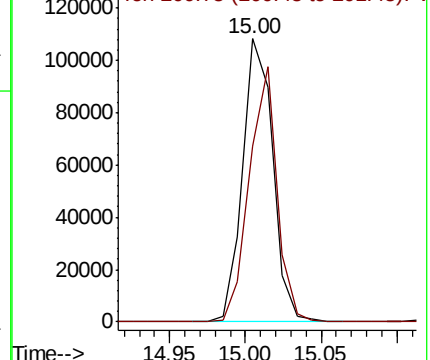
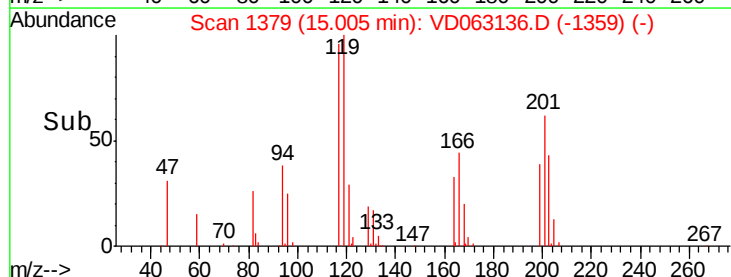
117 100

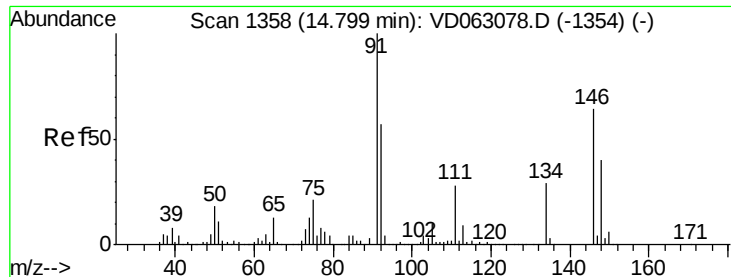
201 62.2 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 21.456 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

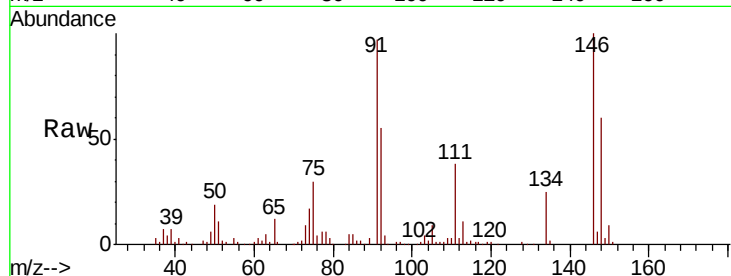
Tot Ion:146 Resp: 306890

Ion Ratio Lower Upper

146 100

111 37.8 21.9 65.5

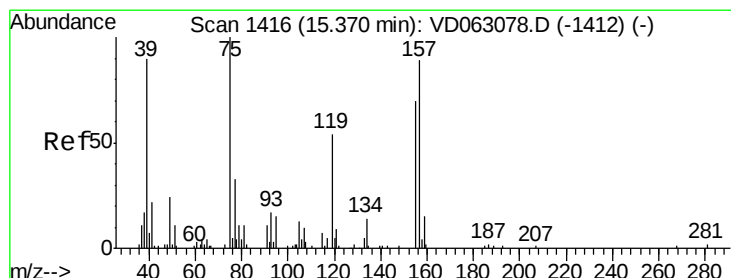
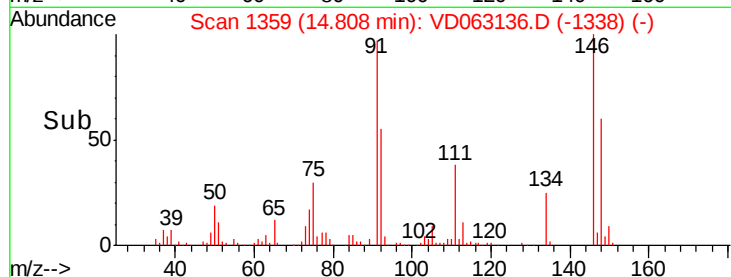
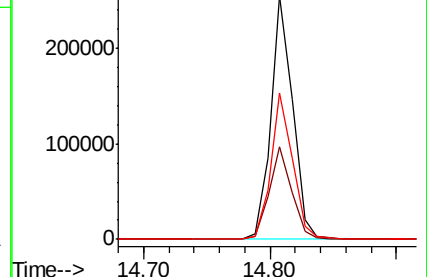
148 59.9 31.5 94.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.135 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD063136.D

Acq: 17 Jul 2019 17:26

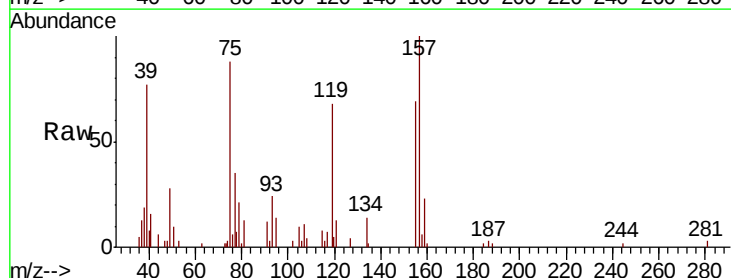
Tgt Ion: 75 Resp: 21166

Ion Ratio Lower Upper

75 100

155 78.5 34.8 104.3

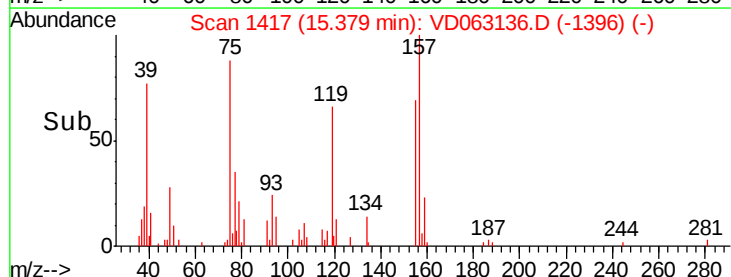
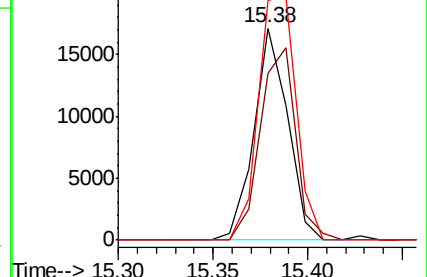
157 113.1 44.7 134.1

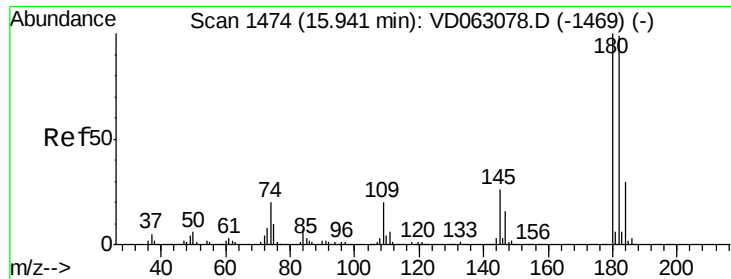


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

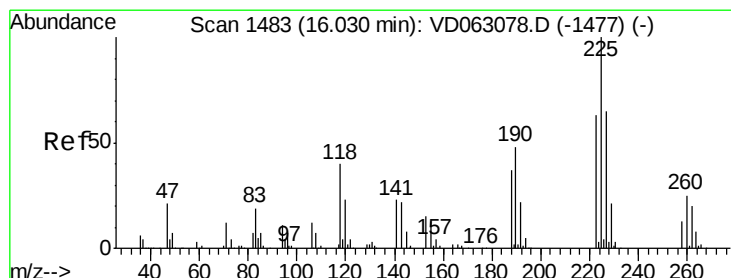
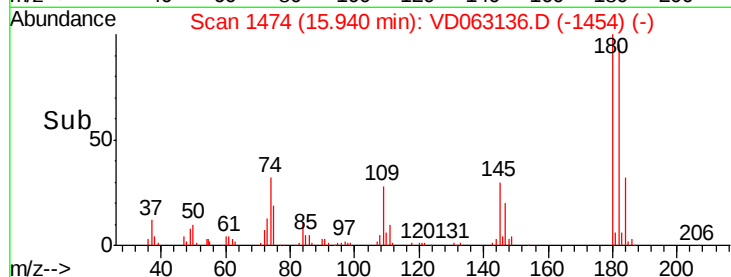
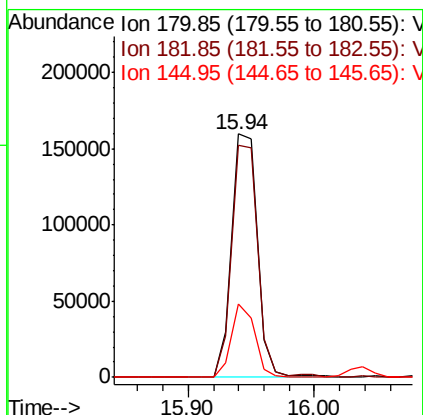
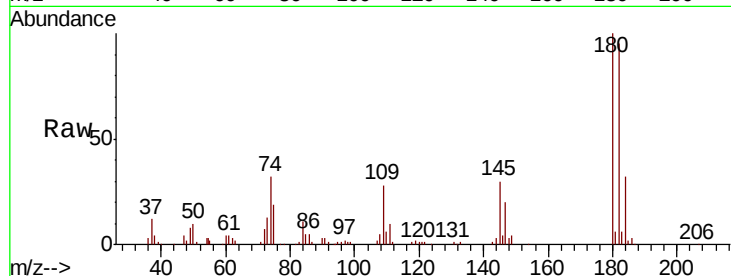




#93
 1,2,4-Trichlorobenzene
 Concen: 20.877 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

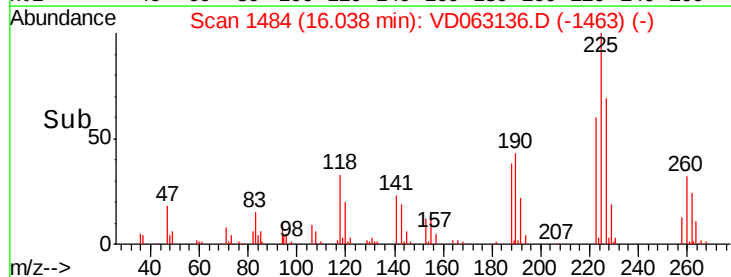
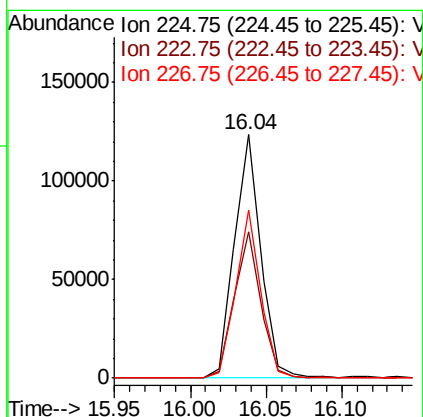
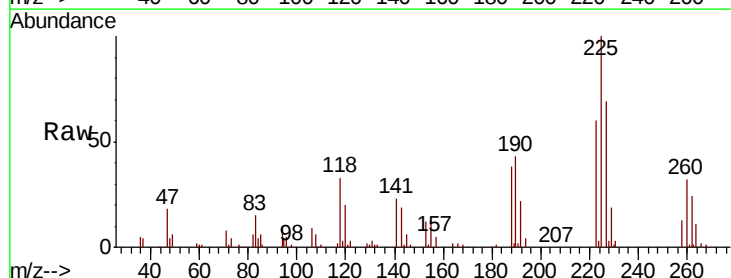
Instrument :
 MSVOA_D
 ClientSampleId :

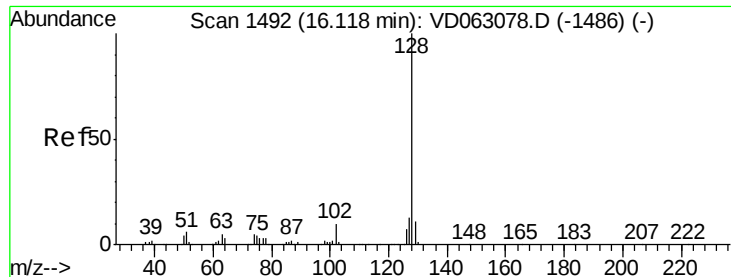
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	49.5	148.3
145	30.0	12.8	38.4



#94
 Hexachlorobutadiene
 Concen: 18.816 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063136.D
 Acq: 17 Jul 2019 17:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.4	94.2
227	69.0	32.6	97.8

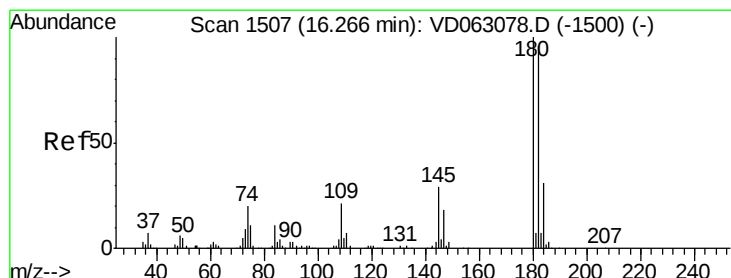
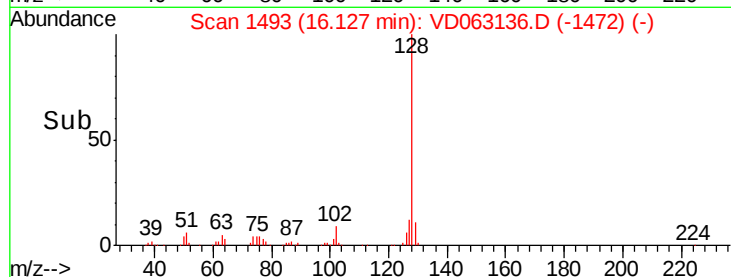
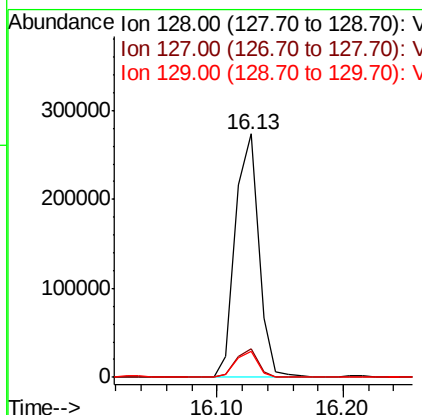
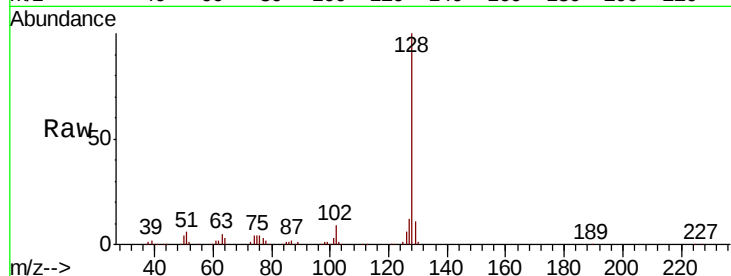




#95
Naphthalene
Concen: 22.303 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 350590
Ion Ratio Lower Upper
128 100
127 11.8 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.104 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD063136.D
Acq: 17 Jul 2019 17:26

Tgt Ion:180 Resp: 173793
Ion Ratio Lower Upper
180 100
182 101.9 47.9 143.6
145 27.5 14.4 43.4

