

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065168.D
 Acq On : 12 Feb 2020 17:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 13 06:01:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	429124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	580630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	206106	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	
35) Dibromofluoromethane	7.92	113	209037	58.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.74%	
50) Toluene-d8	10.34	98	813489	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
62) 4-Bromofluorobenzene	12.64	95	255794	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177209	49.624	ug/l	99
3) Chloromethane	2.21	50	225274	53.590	ug/l	96
4) Vinyl Chloride	2.35	62	233397	52.500	ug/l	99
5) Bromomethane	2.77	94	141149	48.966	ug/l	98
6) Chloroethane	2.93	64	144909	52.547	ug/l	91
7) Trichlorofluoromethane	3.27	101	339044	52.404	ug/l	99
8) Diethyl Ether	3.71	74	93848	50.529	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	200875	50.788	ug/l	98
10) Methyl Iodide	4.30	142	226667	50.210	ug/l	97
11) Tert butyl alcohol	5.24	59	52928	237.517	ug/l	96
12) 1,1-Dichloroethene	4.06	96	193775	51.156	ug/l	99
13) Acrolein	3.93	56	67813	247.416	ug/l	100
14) Allyl chloride	4.71	41	325142	51.647	ug/l	99
15) Acrylonitrile	5.43	53	216805	267.000	ug/l	99
16) Acetone	4.17	43	226223	248.090	ug/l	99
17) Carbon Disulfide	4.40	76	628239	51.655	ug/l	99
18) Methyl Acetate	4.72	43	100428	52.714	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	431701	51.537	ug/l	94
20) Methylene Chloride	4.96	84	222428	55.860	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	224767	52.447	ug/l	97
22) Diisopropyl ether	6.37	45	658366	55.442	ug/l	96
23) Vinyl Acetate	6.31	43	1826166	275.906	ug/l	99
24) 1,1-Dichloroethane	6.27	63	383441	53.347	ug/l	97
25) 2-Butanone	7.22	43	285348	262.337	ug/l	99
26) 2,2-Dichloropropane	7.21	77	331600	51.471	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	244213	53.639	ug/l	97
28) Bromochloromethane	7.56	49	150402	55.201	ug/l	99
29) Tetrahydrofuran	7.57	42	178886	271.954	ug/l	97
30) Chloroform	7.71	83	397348	55.520	ug/l	96
31) Cyclohexane	7.98	56	358944	49.472	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	351608	52.741	ug/l	99
36) 1,1-Dichloropropene	8.11	75	313116	52.458	ug/l	99
37) Ethyl Acetate	7.30	43	126100	51.712	ug/l	98
38) Carbon Tetrachloride	8.10	117	316770	51.962	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	373632	50.714	ug/l	99
40) Benzene	8.36	78	889736	53.980	ug/l	100
41) Methacrylonitrile	7.53	41	80770	60.123	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	248399	52.890	ug/l	99
43) Isopropyl Acetate	8.46	43	236935	50.794	ug/l	98
44) Trichloroethene	9.12	130	243028	51.368	ug/l	98
45) 1,2-Dichloropropane	9.39	63	220176	55.714	ug/l	97
46) Dibromomethane	9.48	93	112830	54.333	ug/l	97
47) Bromodichloromethane	9.67	83	298178	54.494	ug/l	98
48) Methyl methacrylate	9.46	41	114995	51.231	ug/l	97
49) 1,4-Dioxane	9.47	88	25031	1017.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	616954	268.707	ug/l	100
52) Toluene	10.41	92	563868	53.600	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	282620	53.050	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	345155	54.170	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	156107	54.805	ug/l	95
56) Ethyl methacrylate	10.67	69	192416	53.389	ug/l	99
57) 1,3-Dichloropropane	10.96	76	273298	54.565	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	287659	246.790	ug/l	100
59) 2-Hexanone	10.99	43	443569	272.745	ug/l	99
60) Dibromochloromethane	11.14	129	203328	55.111	ug/l	98
61) 1,2-Dibromoethane	11.26	107	148771	53.453	ug/l	100
64) Tetrachloroethene	10.88	164	202861	48.623	ug/l	99
65) Chlorobenzene	11.68	112	589677	52.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	220265	53.142	ug/l	99
67) Ethyl Benzene	11.75	91	1064687	52.182	ug/l	100
68) m/p-Xylenes	11.86	106	820302	105.337	ug/l	100
69) o-Xylene	12.19	106	366989	52.332	ug/l	98
70) Styrene	12.20	104	660333	54.178	ug/l	100
71) Bromoform	12.37	173	117533	52.682	ug/l #	100
73) Isopropylbenzene	12.48	105	999741	50.517	ug/l	100
74) N-amyl acetate	12.30	43	216391	50.306	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	163281	52.424	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	216097	98.992	ug/l #	100
77) Bromobenzene	12.77	156	235163	49.320	ug/l	98
78) n-propylbenzene	12.83	91	1196706	51.636	ug/l	99
79) 2-Chlorotoluene	12.91	91	656593	50.826	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	829027	51.205	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56417	51.686	ug/l	99
82) 4-Chlorotoluene	13.01	91	687300	50.657	ug/l	100
83) tert-Butylbenzene	13.23	119	683450	48.930	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	837485	52.104	ug/l	98
85) sec-Butylbenzene	13.41	105	975801	51.149	ug/l	100
86) p-Isopropyltoluene	13.53	119	918532	51.820	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	461172	51.658	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	443806	49.948	ug/l	99
89) n-Butylbenzene	13.86	91	836497	51.130	ug/l	100
90) Hexachloroethane	14.12	117	176011	52.440	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	396298	51.827	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25014	49.197	ug/l	99

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Response via : Initial Calibration

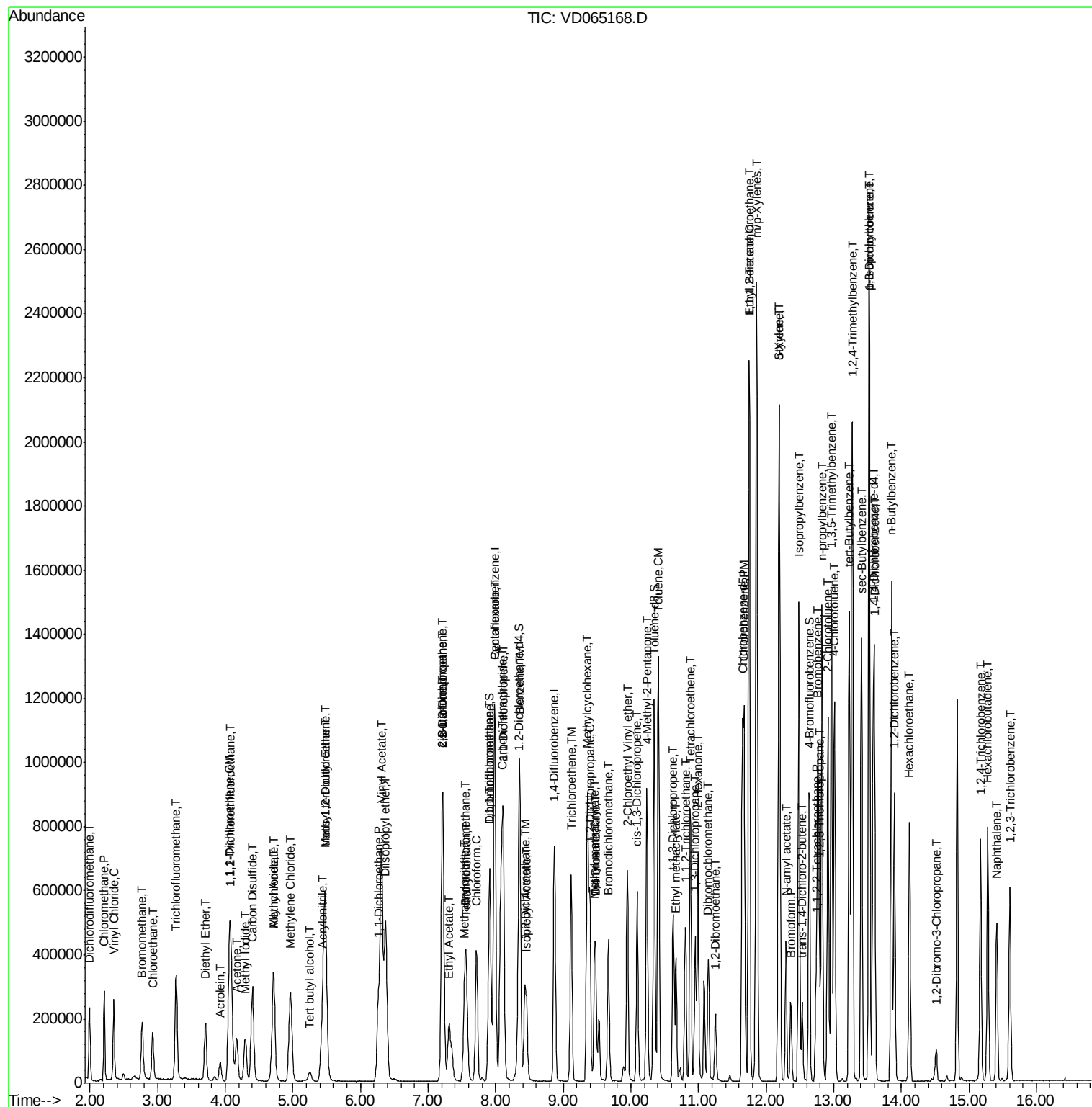
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	261481	47.844	ug/l	98
94) Hexachlorobutadiene	15.28	225	160429	47.740	ug/l	99
95) Naphthalene	15.41	128	433214	47.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	225115	48.155	ug/l	98

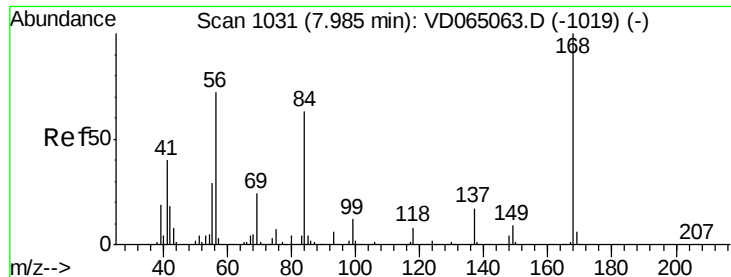
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

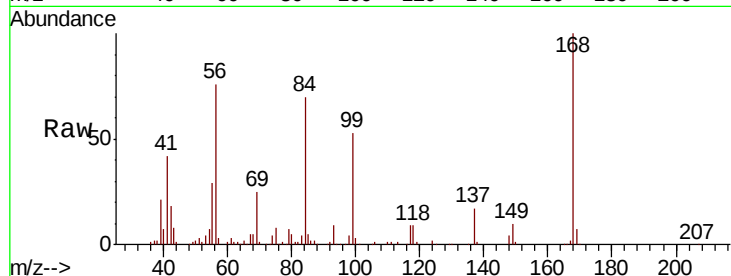
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 429124

Ion Ratio Lower Upper

168 100

99 53.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

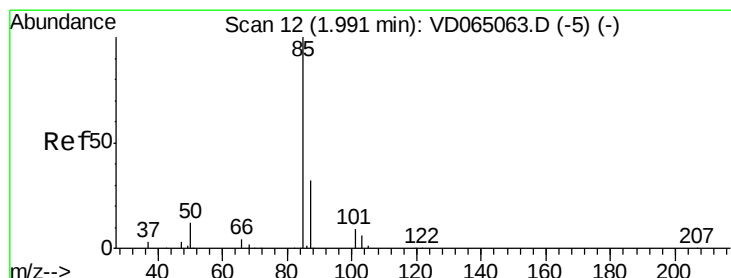
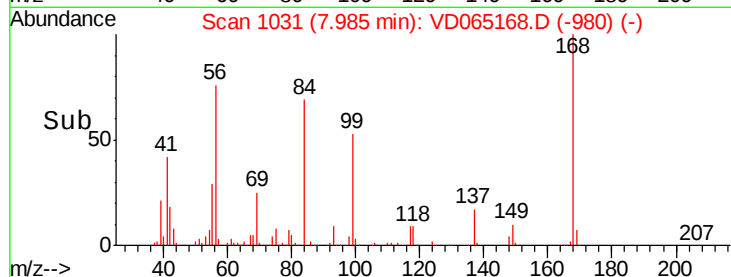
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.624 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065168.D

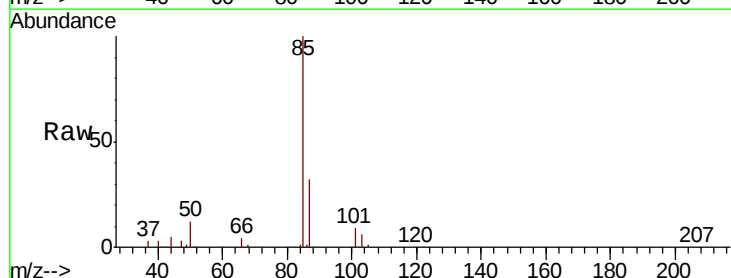
Acq: 12 Feb 2020 17:42

Tgt Ion: 85 Resp: 177209

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

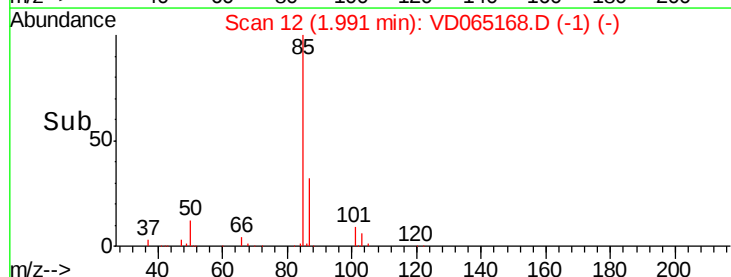
100000

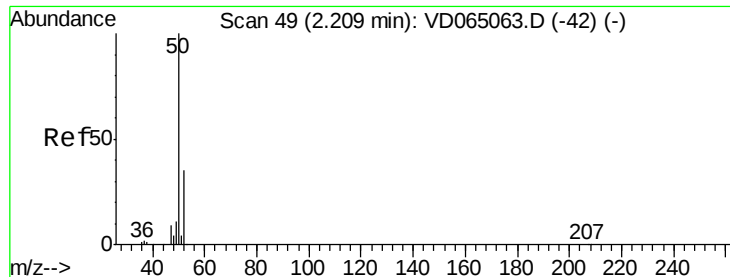
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 53.590 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

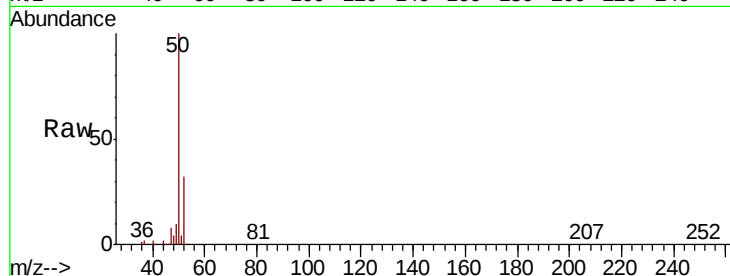
ClientSampleId :

Tot Ion: 50 Resp: 225274

Ion Ratio Lower Upper

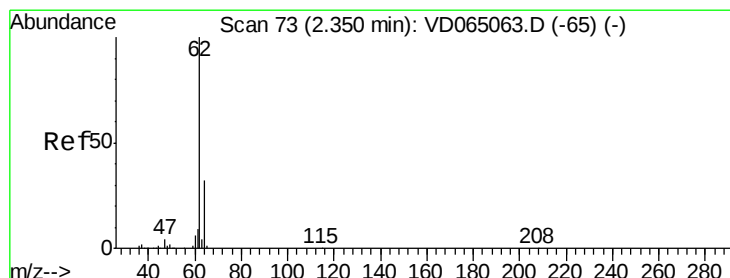
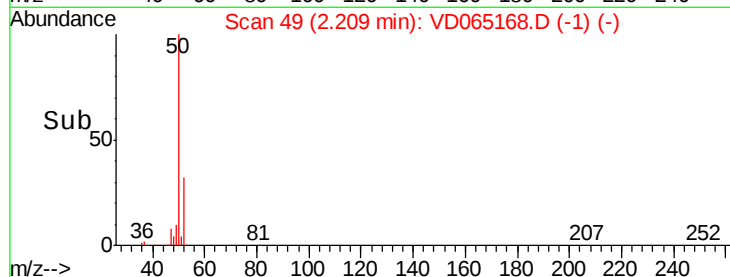
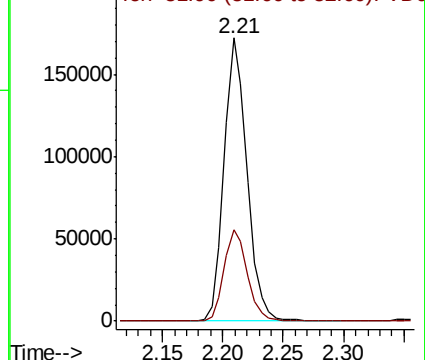
50 100

52 32.3 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.500 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065168.D

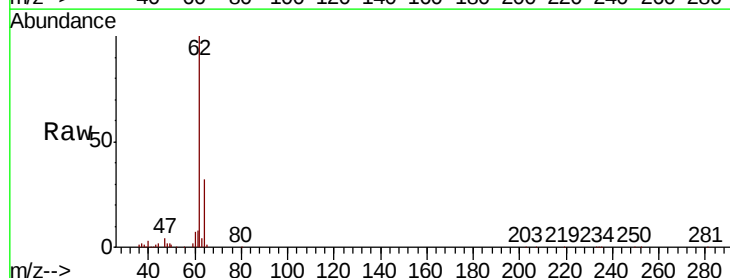
Acq: 12 Feb 2020 17:42

Tgt Ion: 62 Resp: 233397

Ion Ratio Lower Upper

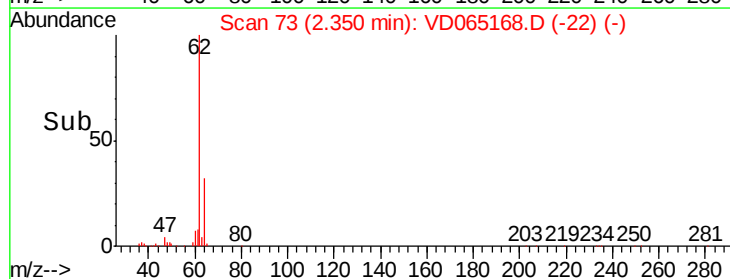
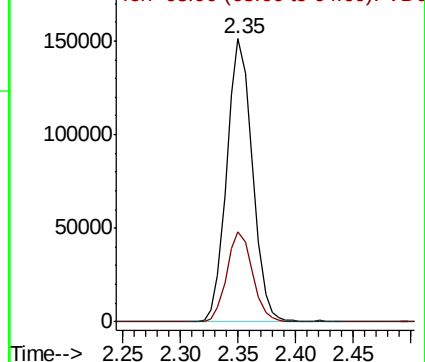
62 100

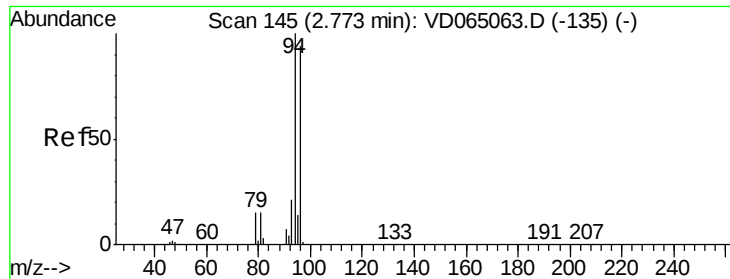
64 31.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.966 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

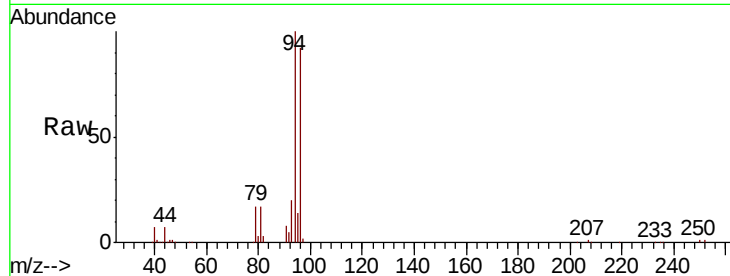
ClientSampleId :

Tot Ion: 94 Resp: 141149

Ion Ratio Lower Upper

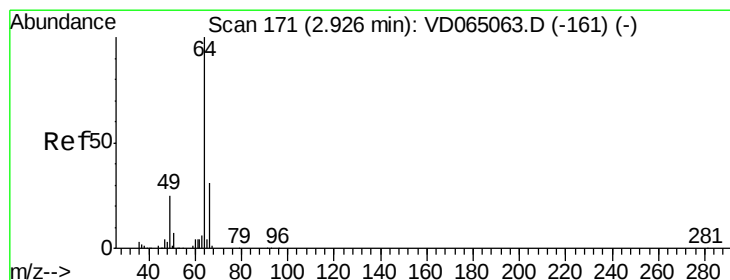
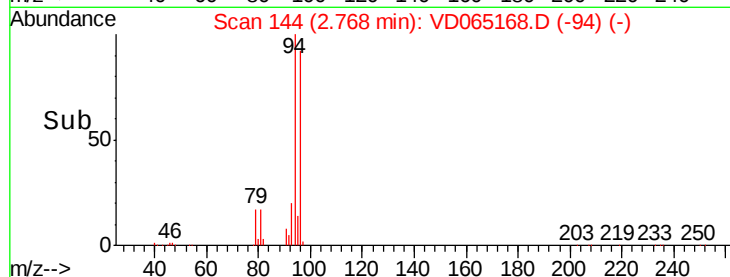
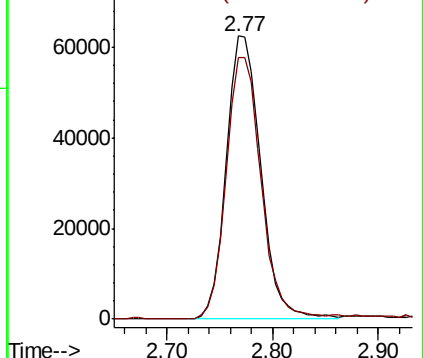
94 100

96 92.2 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.547 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065168.D

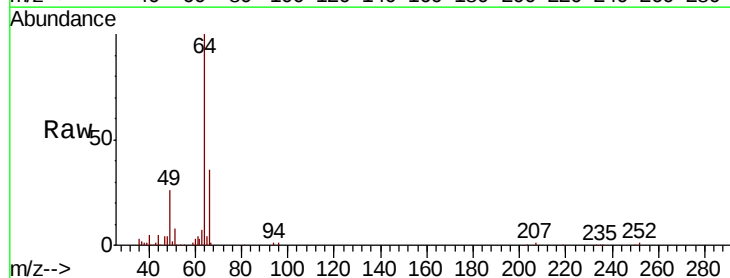
Acq: 12 Feb 2020 17:42

Tgt Ion: 64 Resp: 144909

Ion Ratio Lower Upper

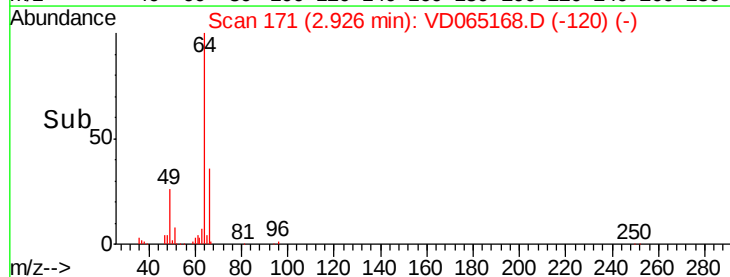
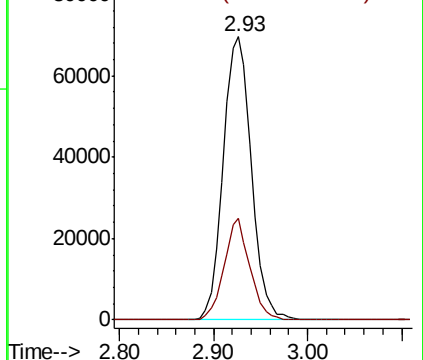
64 100

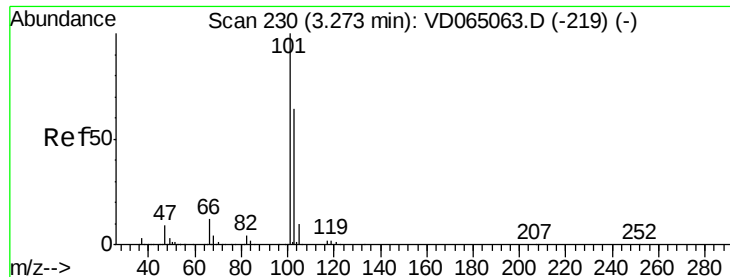
66 36.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



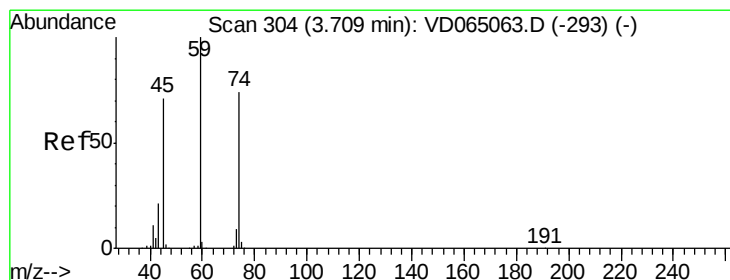
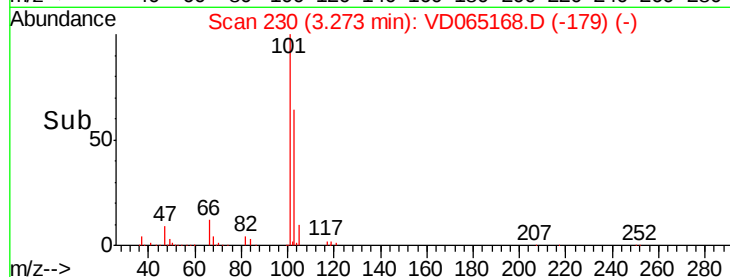
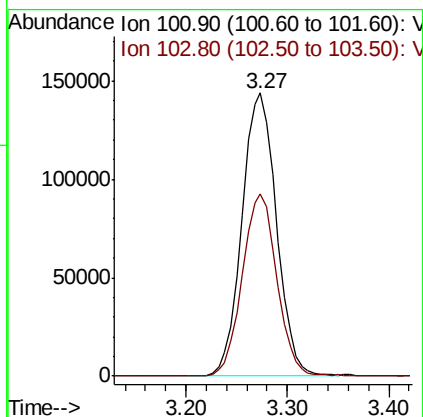
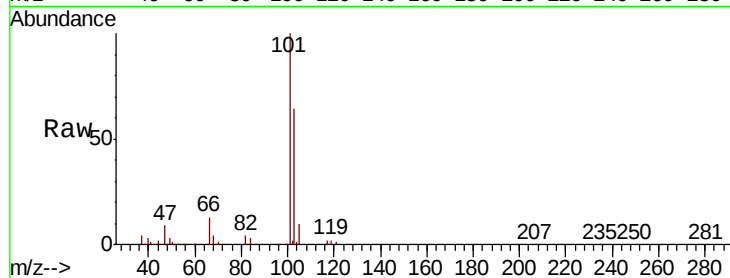


#7

Trichlorofluoromethane
 Concen: 52.404 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :

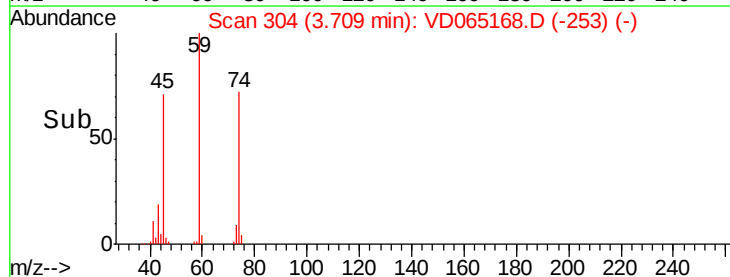
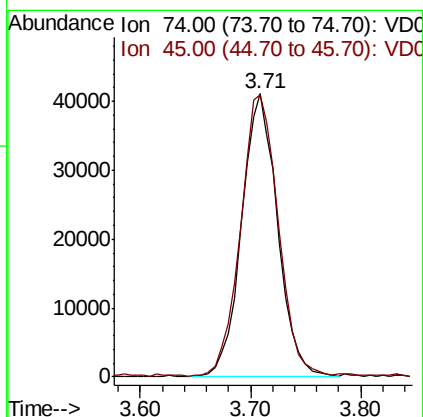
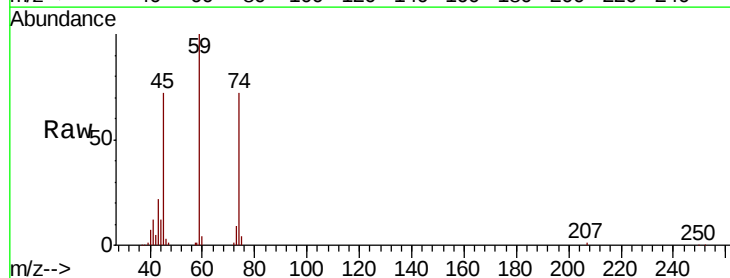
Tot Ion:101 Resp: 339044
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6

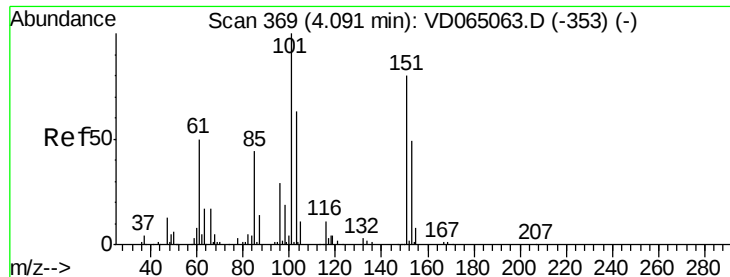


#8

Diethyl Ether
 Concen: 50.529 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion: 74 Resp: 93848
 Ion Ratio Lower Upper
 74 100
 45 103.7 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.788 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

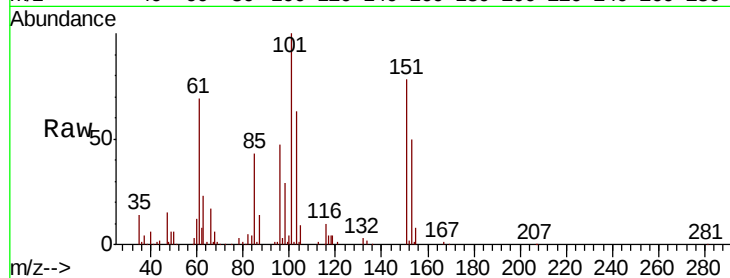
Tot Ion:101 Resp: 200875

Ion Ratio Lower Upper

101 100

85 45.4 34.0 51.0

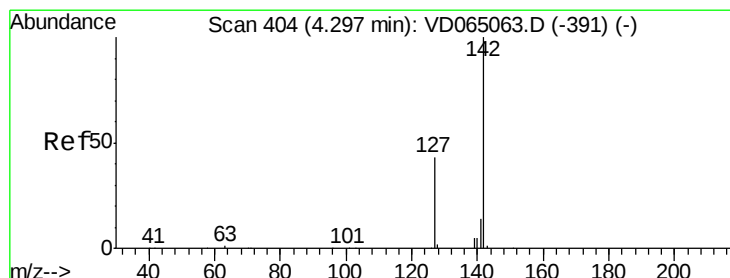
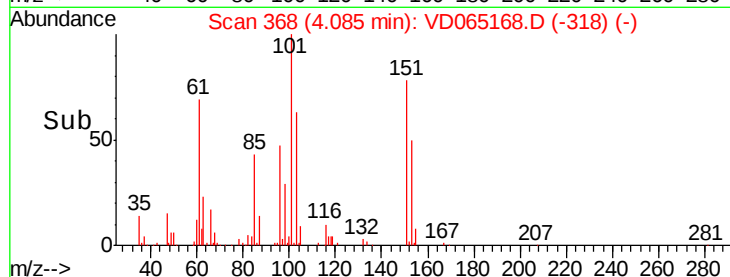
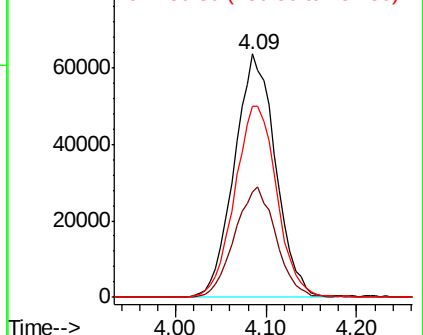
151 80.4 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.210 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

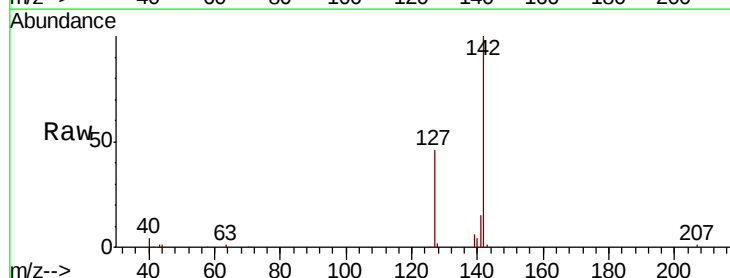
Tgt Ion:142 Resp: 226667

Ion Ratio Lower Upper

142 100

127 45.0 34.0 51.0

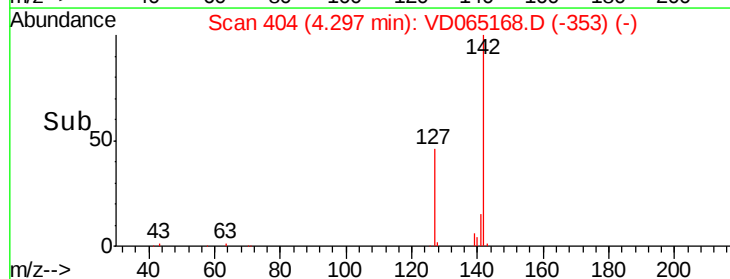
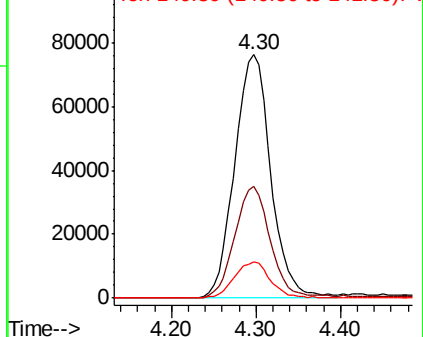
141 14.9 11.6 17.4

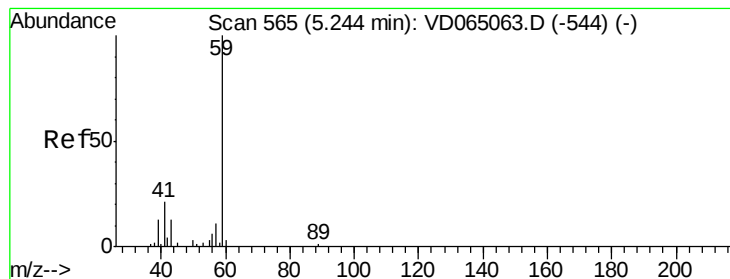


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



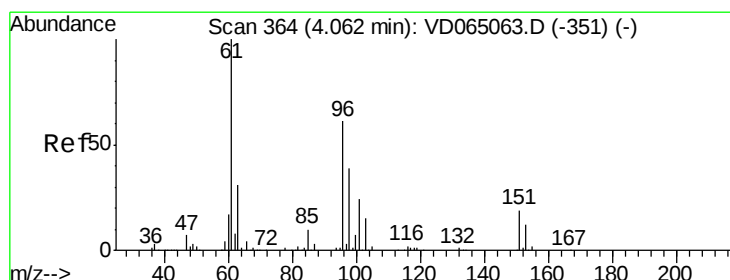
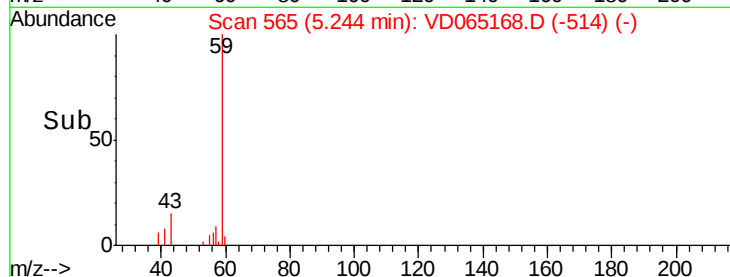
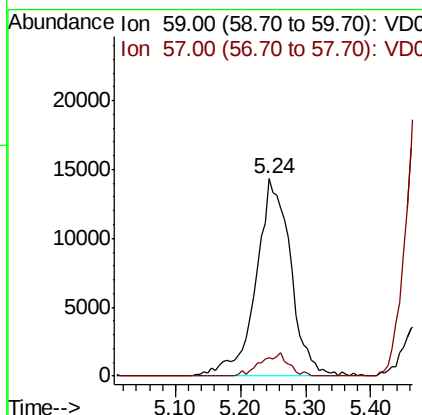
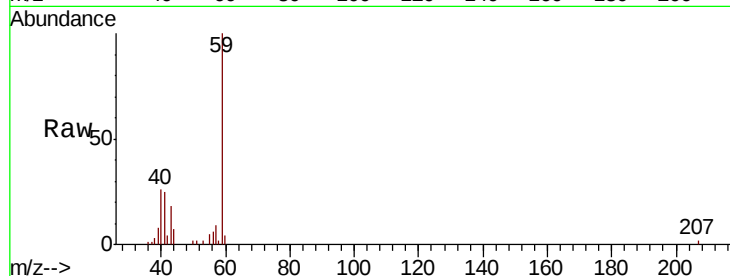


#11

Tert butyl alcohol
 Concen: 237.517 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :

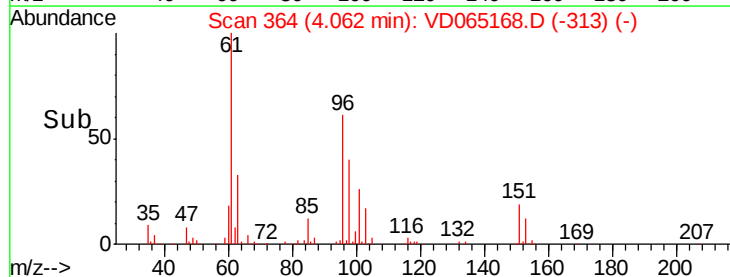
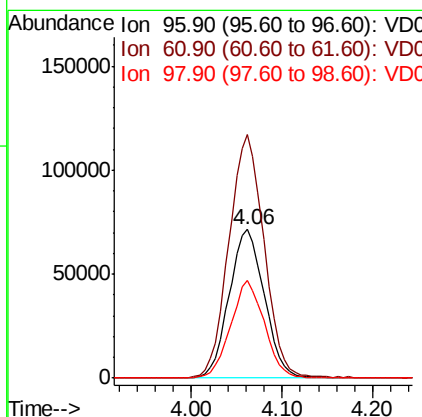
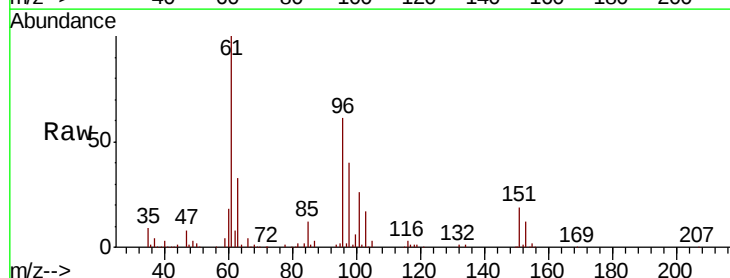
Tot Ion: 59 Resp: 52928
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.8 13.2



#12

1,1-Dichloroethene
 Concen: 51.156 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion: 96 Resp: 193775
 Ion Ratio Lower Upper
 96 100
 61 163.9 131.4 197.2
 98 65.5 51.1 76.7





#13

Acrolein

Concen: 247.416 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

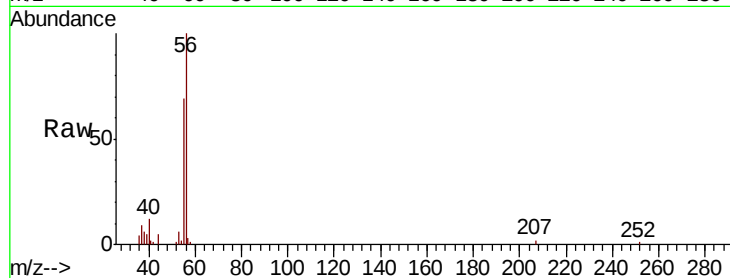
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 67813

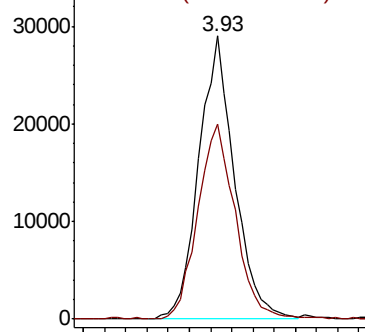
Ion Ratio Lower Upper

56 100

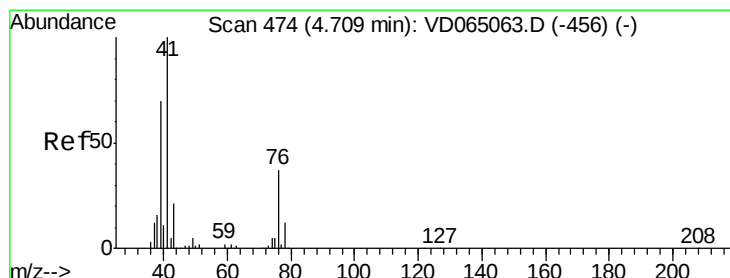
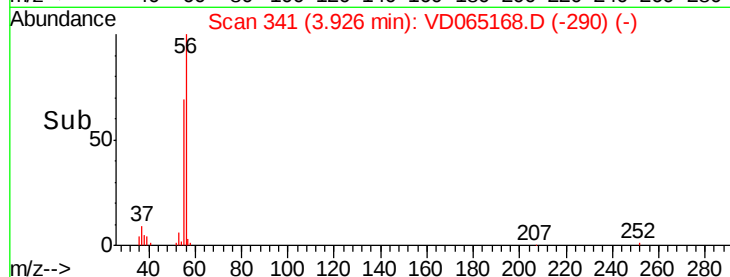
55 72.5 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 51.647 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

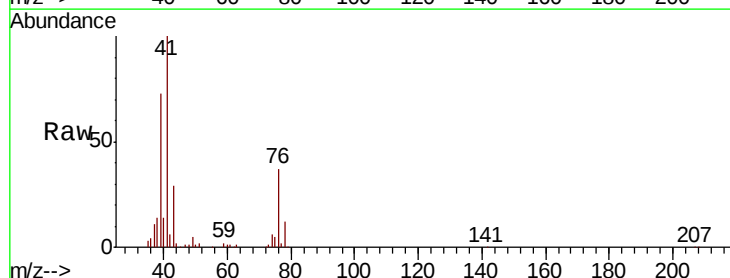
Tgt Ion: 41 Resp: 325142

Ion Ratio Lower Upper

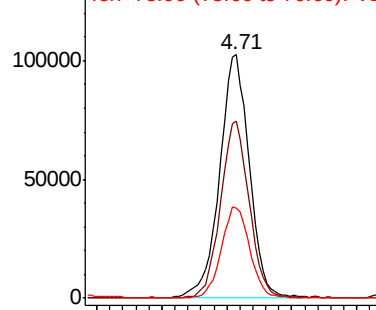
41 100

39 69.8 57.1 85.7

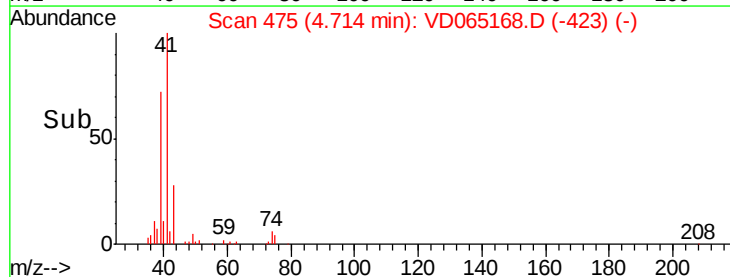
76 35.1 28.0 42.0

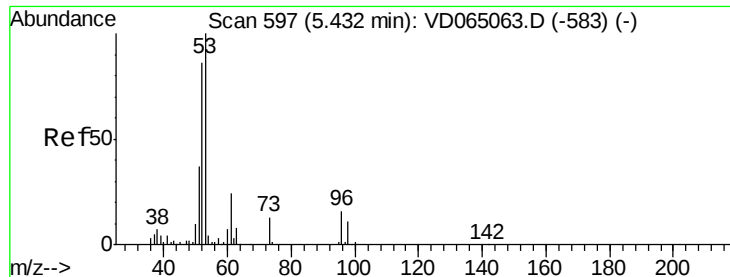


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC



Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 267.000 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

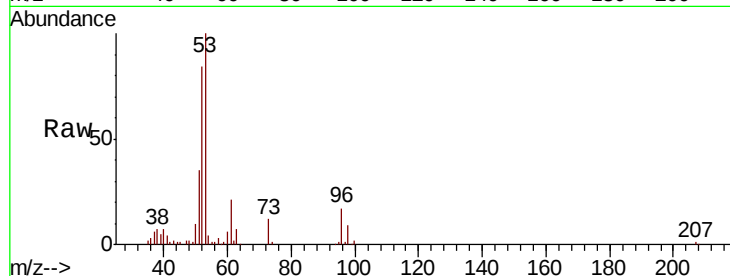
Tot Ion: 53 Resp: 216805

Ion Ratio Lower Upper

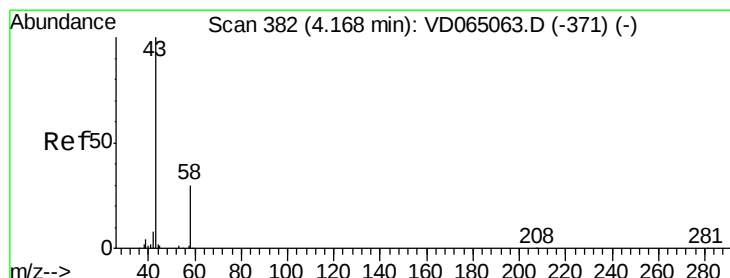
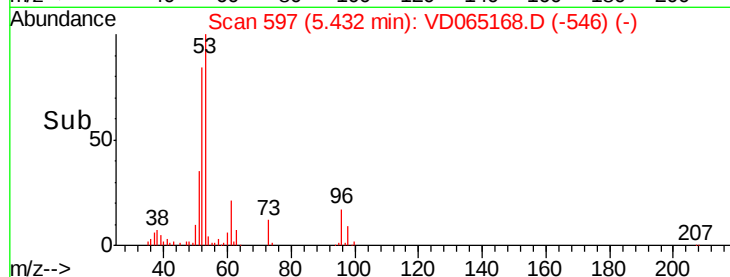
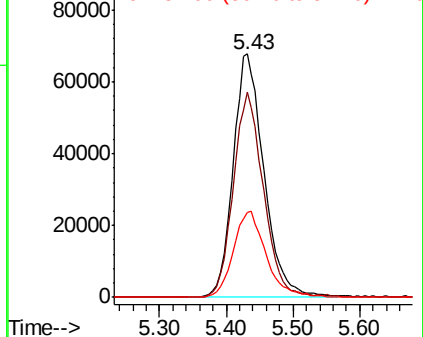
53 100

52 82.1 66.2 99.2

51 37.5 30.4 45.6



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: 248.090 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065168.D

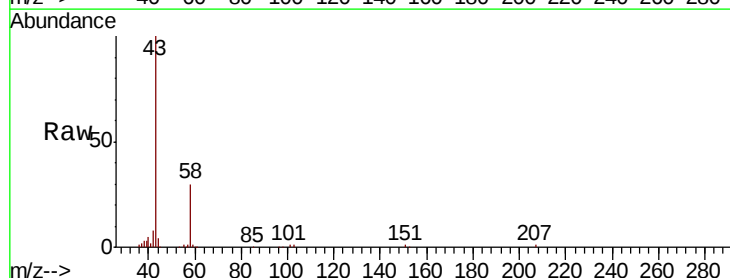
Acq: 12 Feb 2020 17:42

Tgt Ion: 43 Resp: 226223

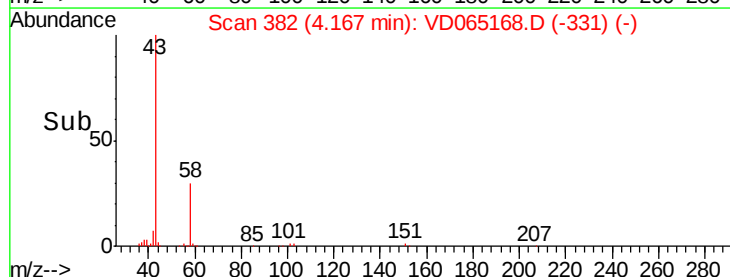
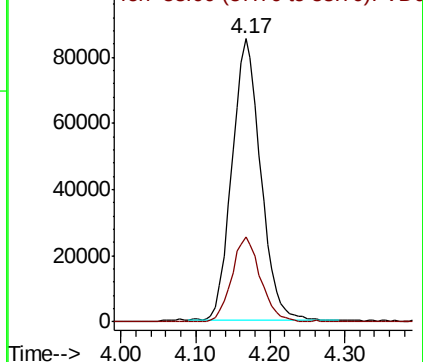
Ion Ratio Lower Upper

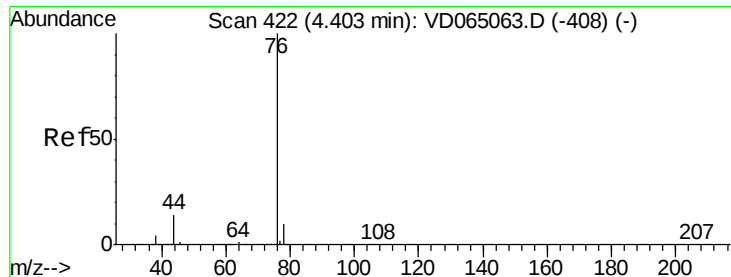
43 100

58 30.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

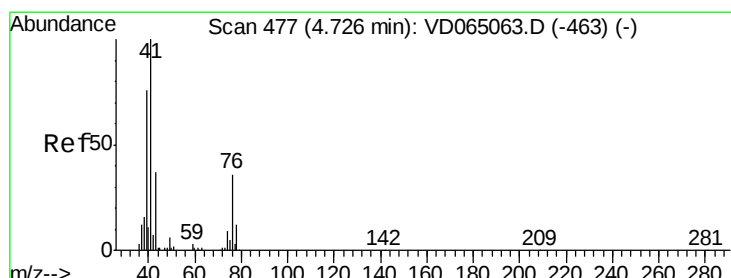
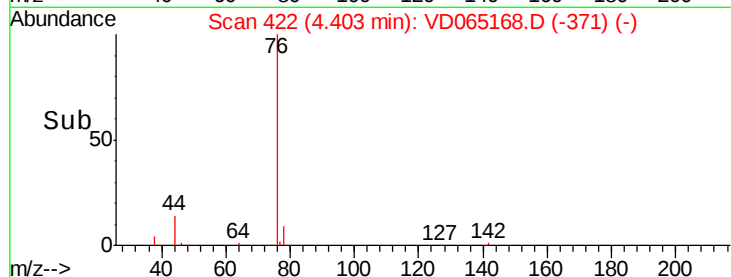
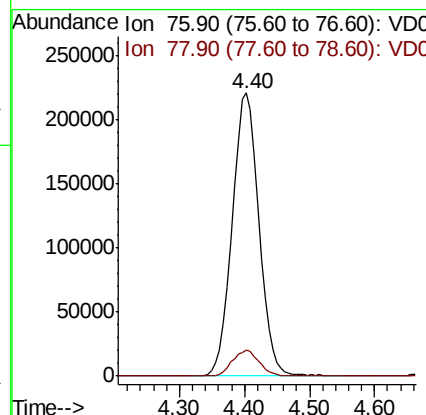
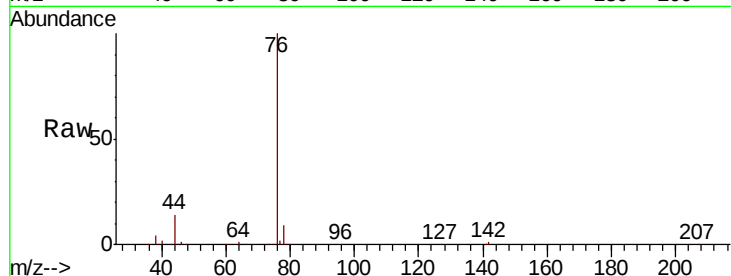




#17
Carbon Disulfide
Concen: 51.655 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

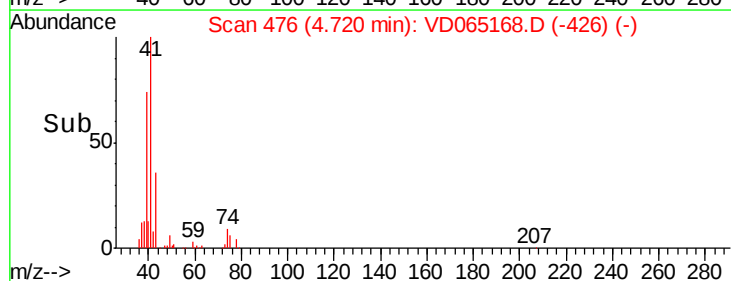
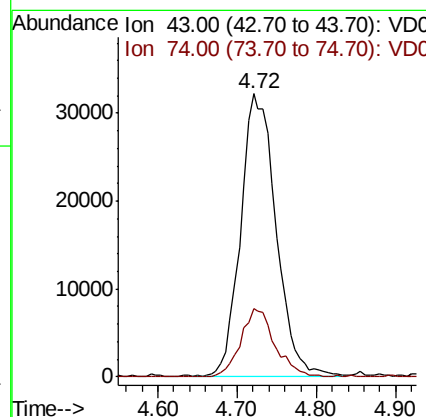
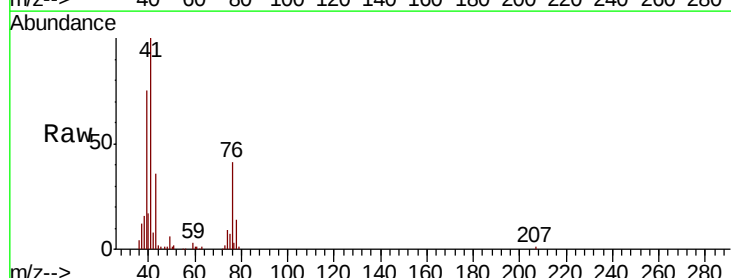
Instrument :
MSVOA_D
ClientSampleId :

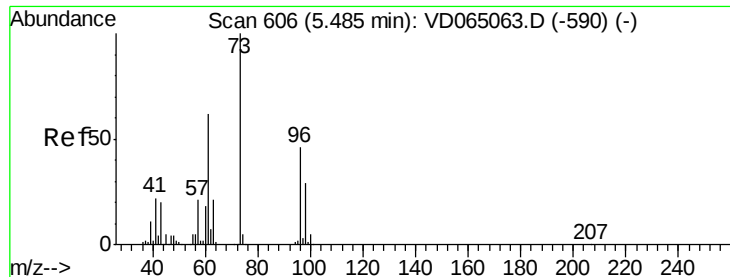
Tot Ion: 76 Resp: 628239
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4



#18
Methyl Acetate
Concen: 52.714 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 43 Resp: 100428
Ion Ratio Lower Upper
43 100
74 22.9 18.7 28.1



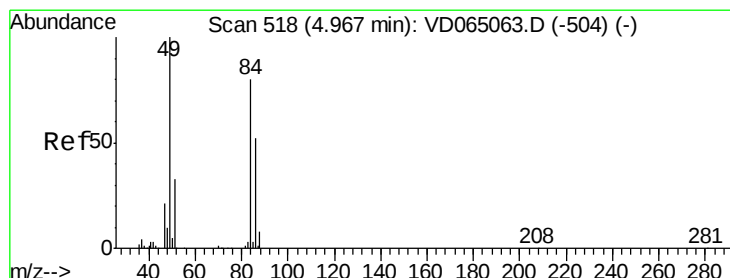
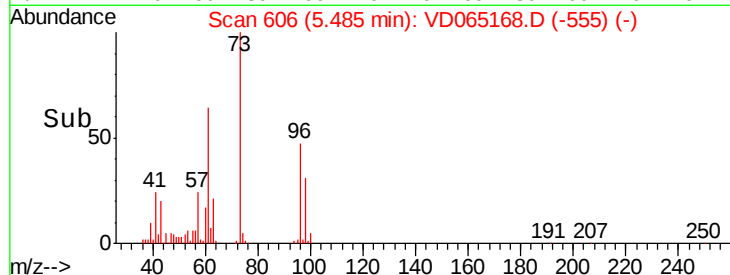
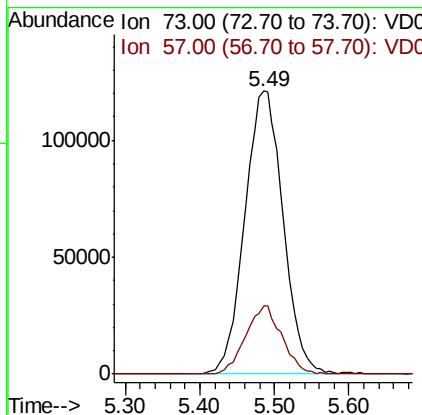
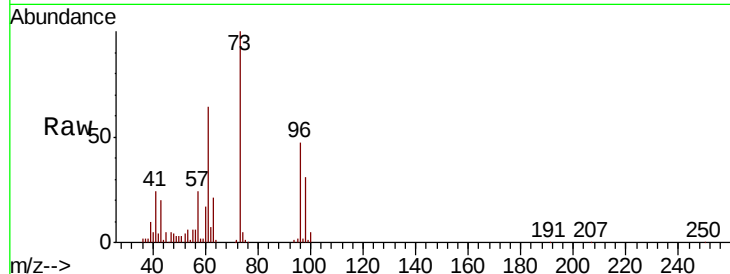


#19

Methyl tert-butyl Ether
 Concen: 51.537 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampled :

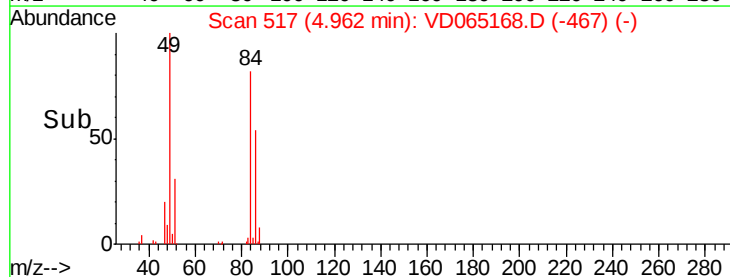
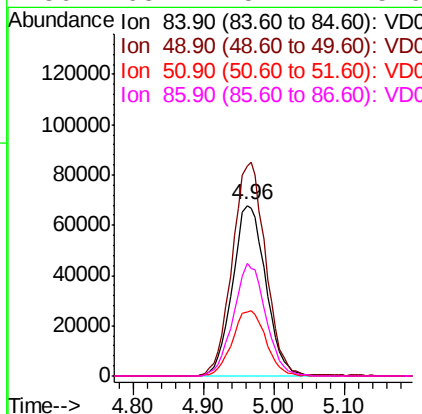
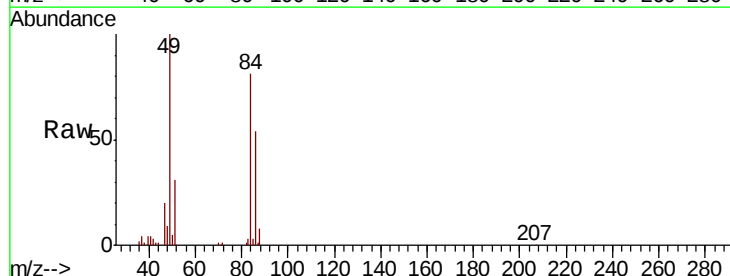
Tot Ion: 73 Resp: 431701
 Ion Ratio Lower Upper
 73 100
 57 24.0 16.8 25.2

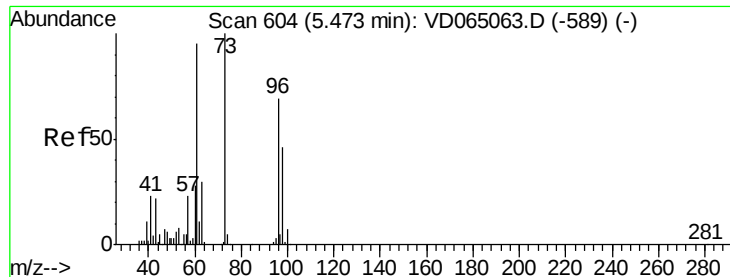


#20

Methylene Chloride
 Concen: 55.860 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion: 84 Resp: 222428
 Ion Ratio Lower Upper
 84 100
 49 122.8 100.4 150.6
 51 37.8 32.7 49.1
 86 65.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 52.447 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampled :

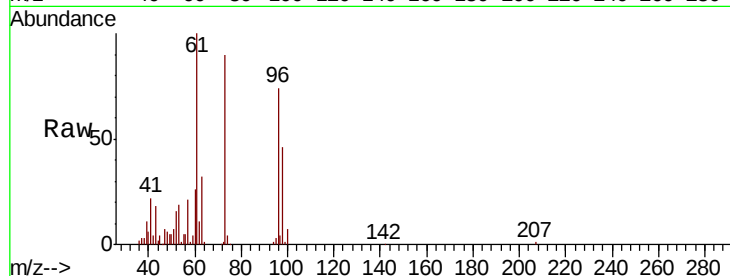
Tot Ion: 96 Resp: 224767

Ion Ratio Lower Upper

96 100

61 134.8 109.5 164.3

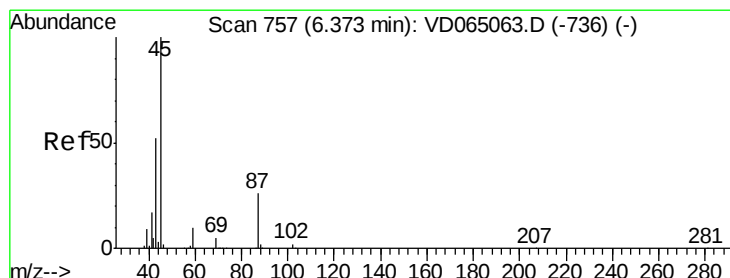
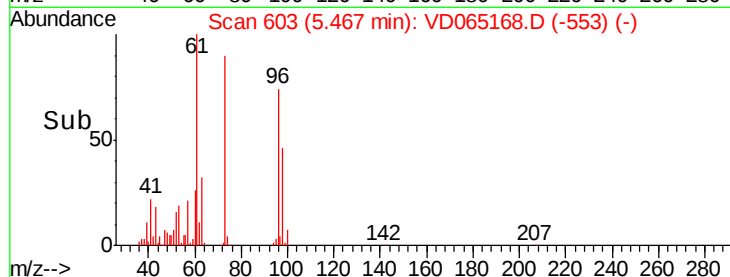
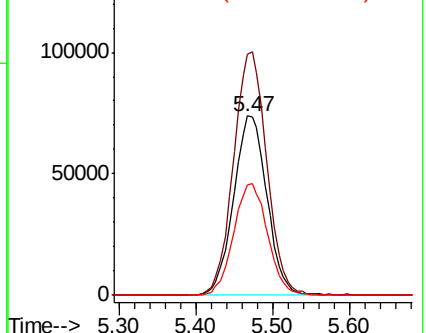
98 61.7 53.7 80.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 55.442 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion: 45 Resp: 658366

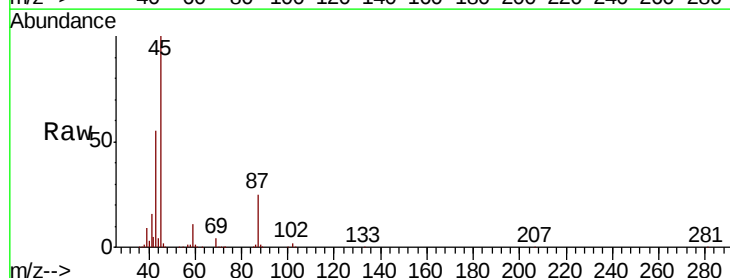
Ion Ratio Lower Upper

45 100

43 54.9 41.3 61.9

87 24.9 21.0 31.6

59 10.8 8.2 12.4

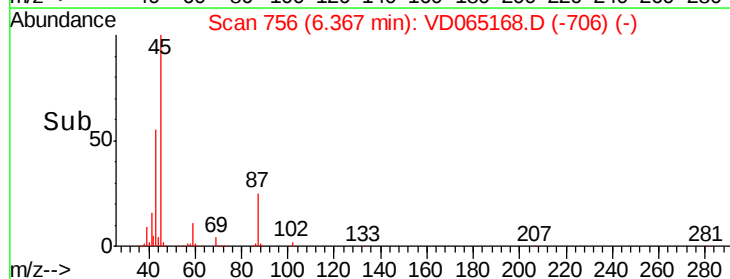
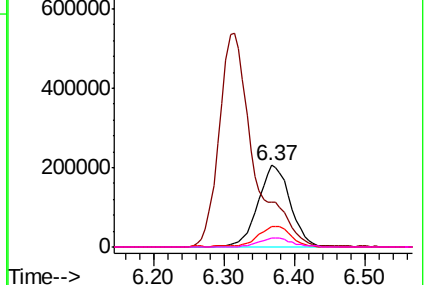


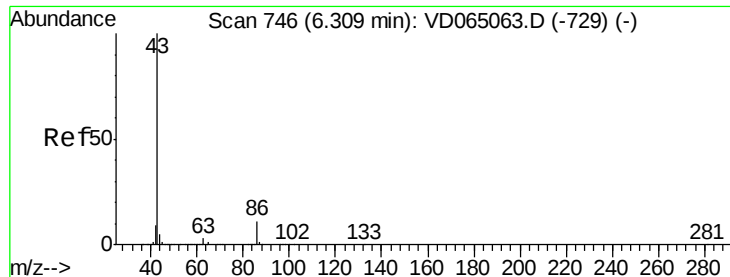
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 275.906 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

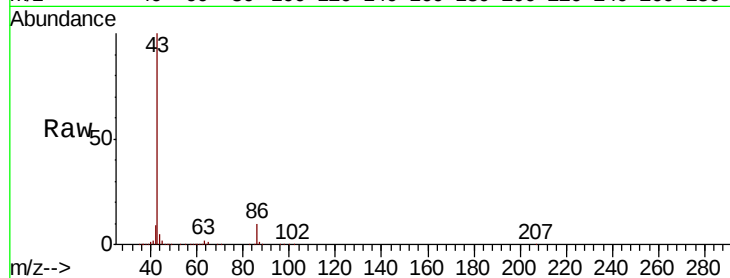
ClientSampleId :

Tot Ion: 43 Resp: 1826166

Ion Ratio Lower Upper

43 100

86 10.3 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

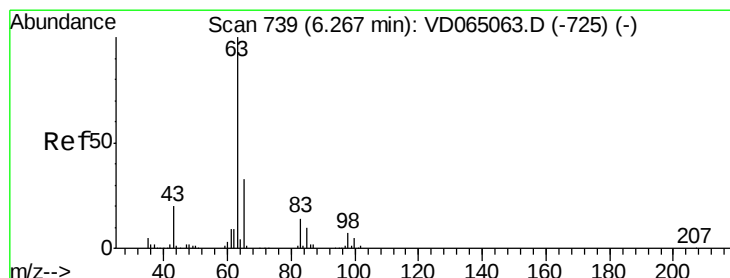
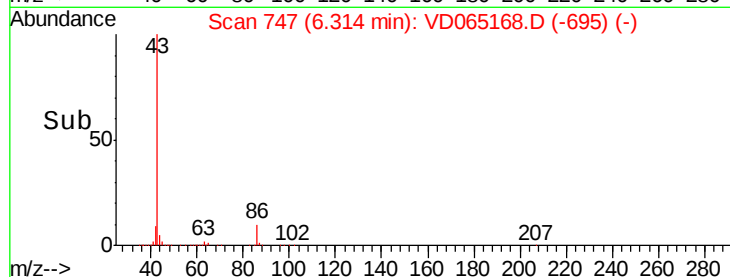
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 53.347 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

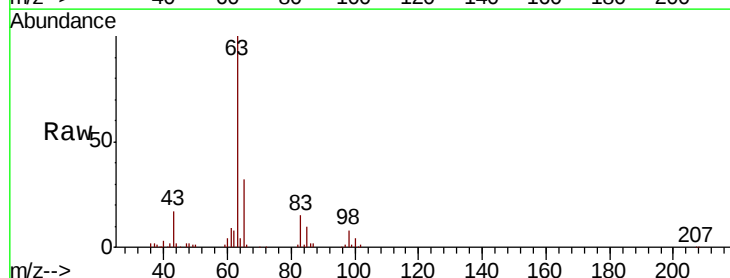
Tgt Ion: 63 Resp: 383441

Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.4

100 4.5 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

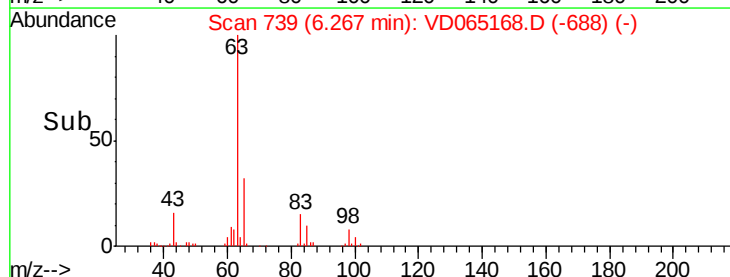
150000

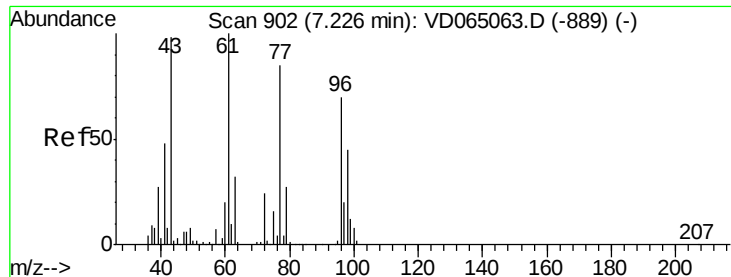
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 262.337 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

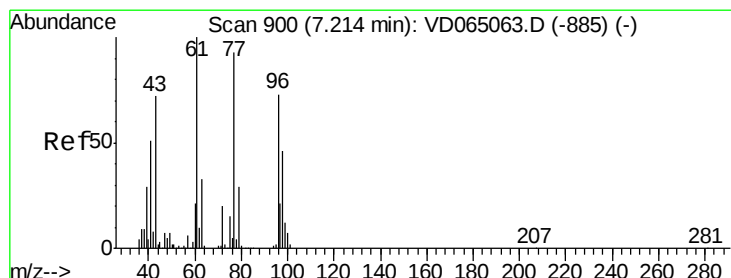
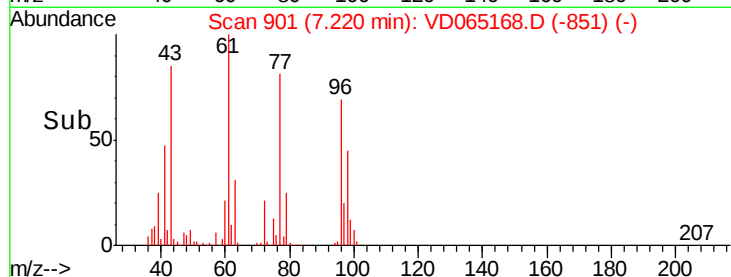
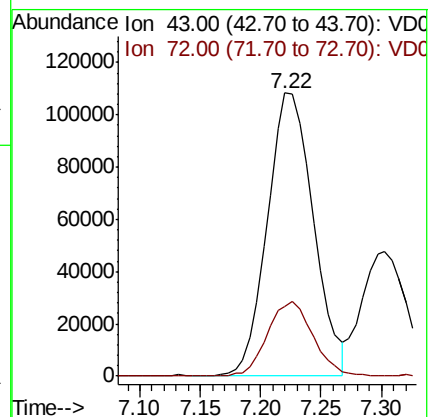
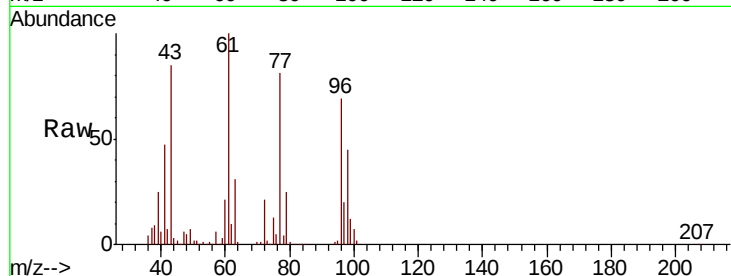
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 285348

Ion Ratio Lower Upper

43 100

72 24.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 51.471 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065168.D

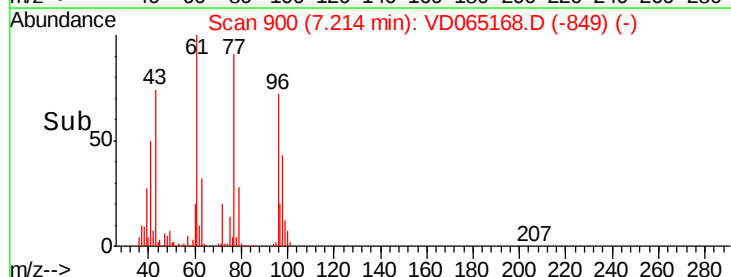
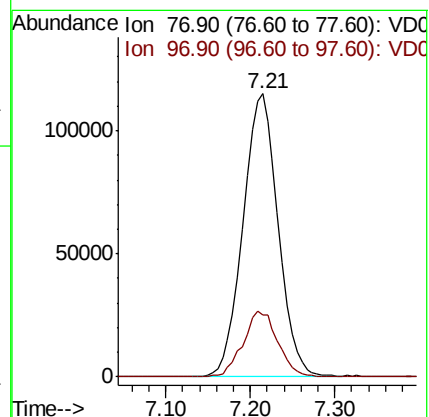
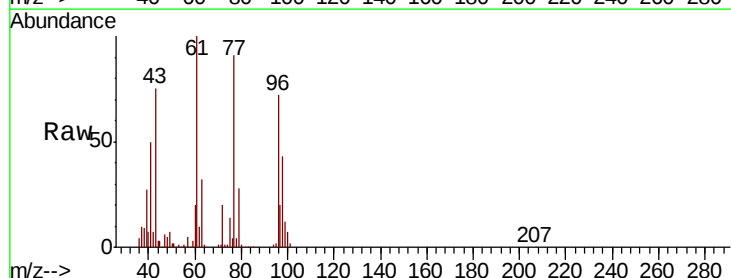
Acq: 12 Feb 2020 17:42

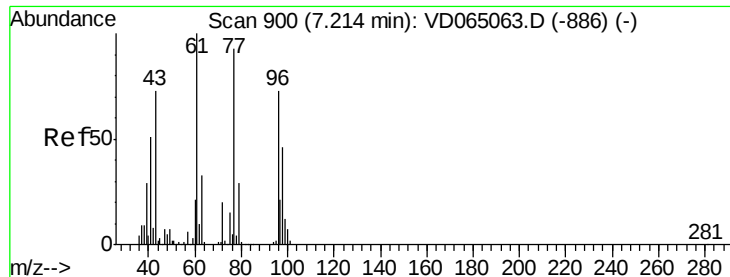
Tgt Ion: 77 Resp: 331600

Ion Ratio Lower Upper

77 100

97 22.9 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 53.639 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

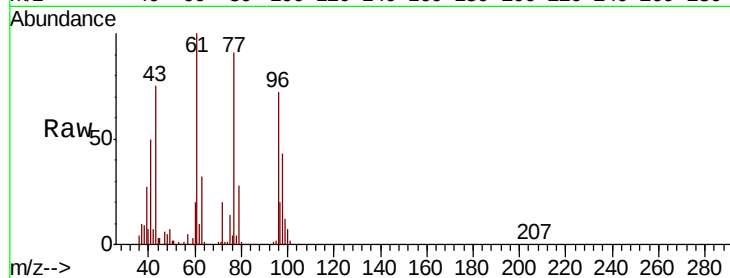
Tot Ion: 96 Resp: 244213

Ion Ratio Lower Upper

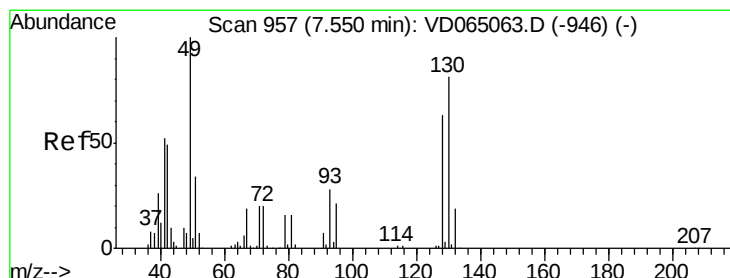
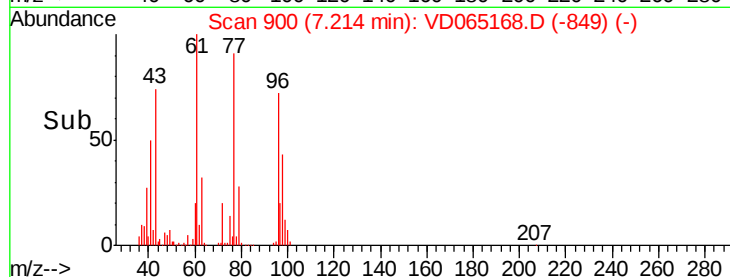
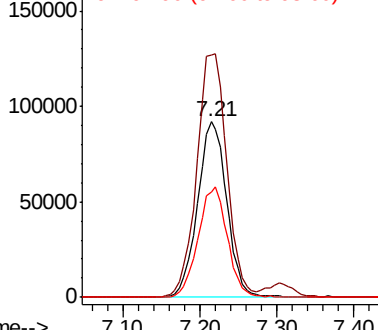
96 100

61 142.8 0.0 292.8

98 62.7 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 55.201 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

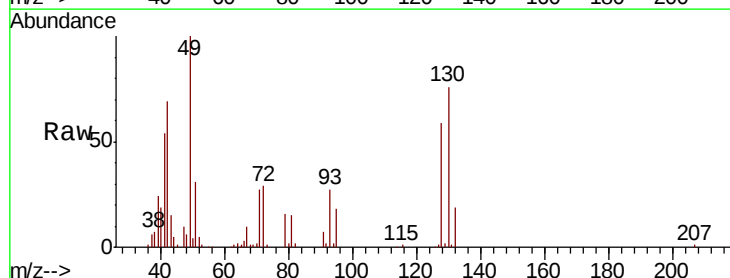
Tgt Ion: 49 Resp: 150402

Ion Ratio Lower Upper

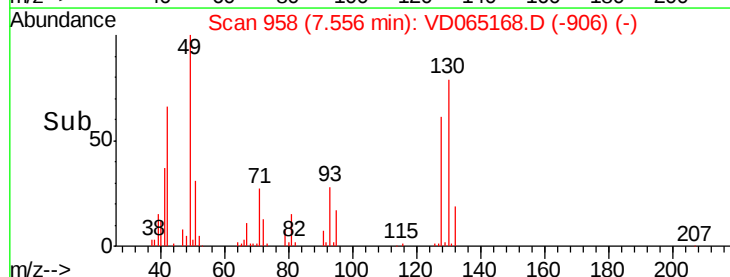
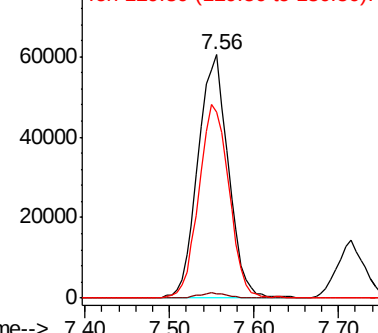
49 100

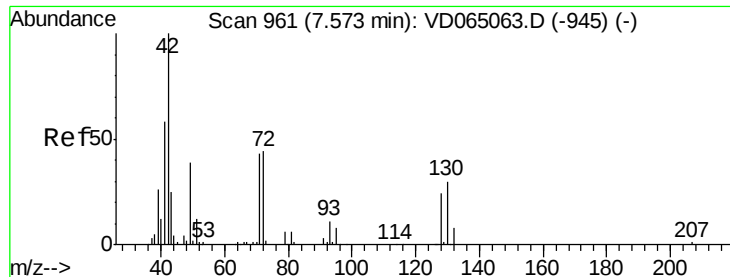
129 2.0 0.0 4.4

130 79.2 63.8 95.8



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

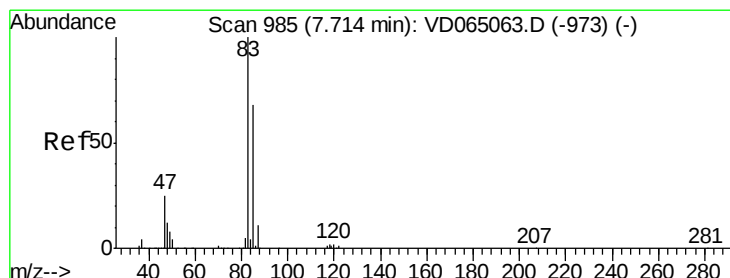
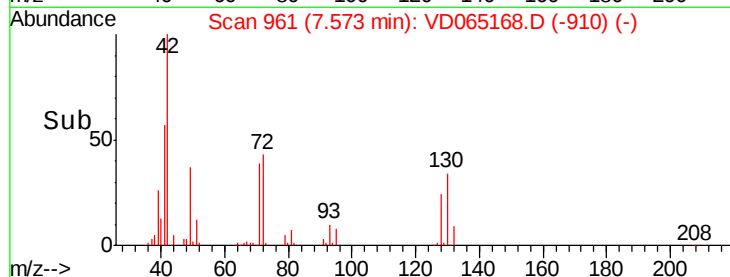
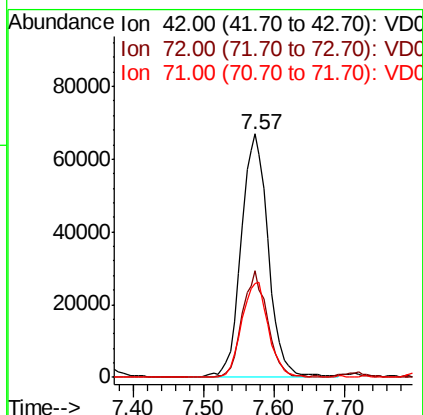
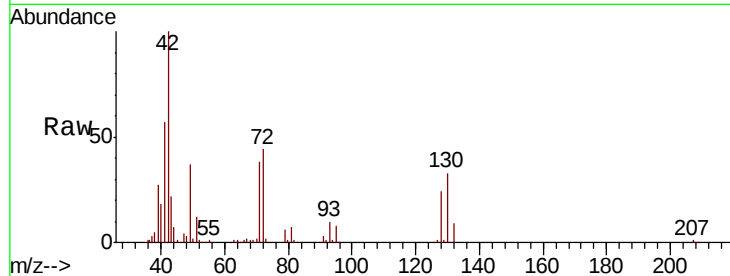




#29
Tetrahydrofuran
Concen: 271.954 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

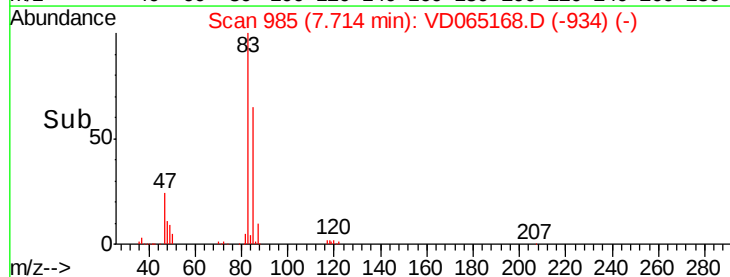
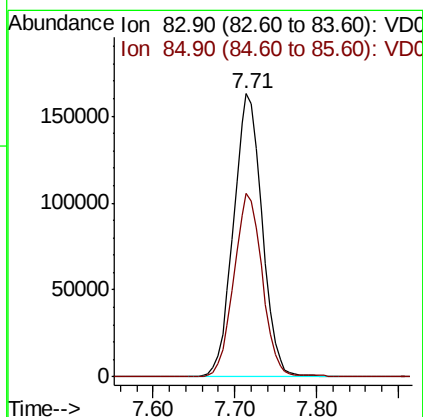
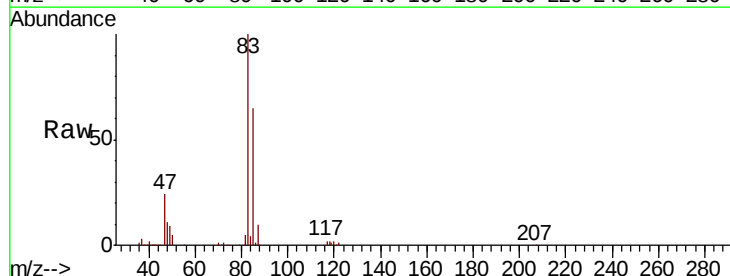
Instrument :
MSVOA_D
ClientSampleId :

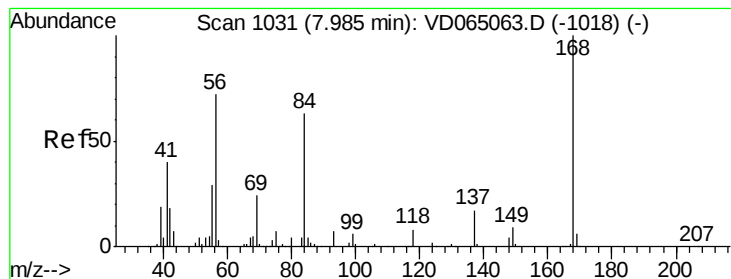
Tot Ion: 42 Resp: 178886
Ion Ratio Lower Upper
42 100
72 40.4 34.2 51.4
71 38.4 31.8 47.6



#30
Chloroform
Concen: 55.520 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 83 Resp: 397348
Ion Ratio Lower Upper
83 100
85 64.9 54.2 81.4





#31

Cyclohexane

Concen: 49.472 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

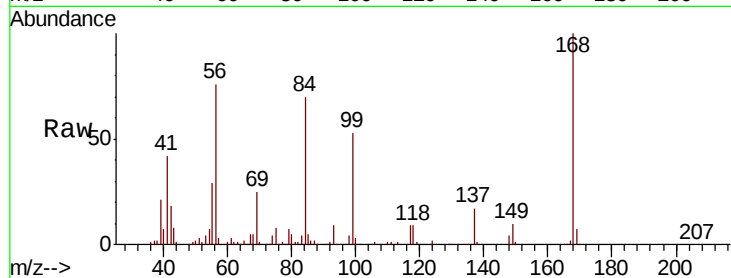
Tot Ion: 56 Resp: 358944

Ion Ratio Lower Upper

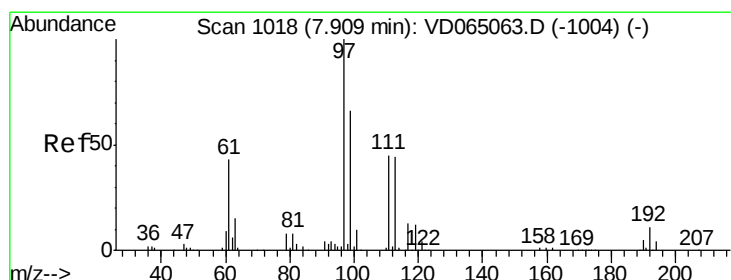
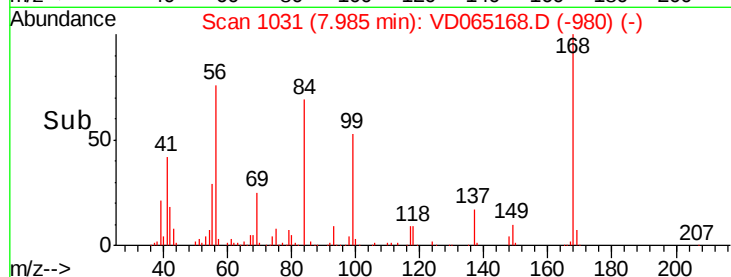
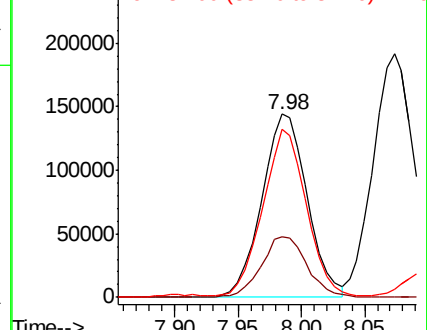
56 100

69 33.3 26.6 40.0

84 90.4 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 52.741 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

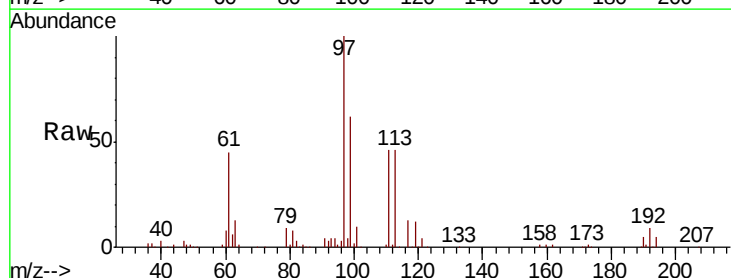
Tgt Ion: 97 Resp: 351608

Ion Ratio Lower Upper

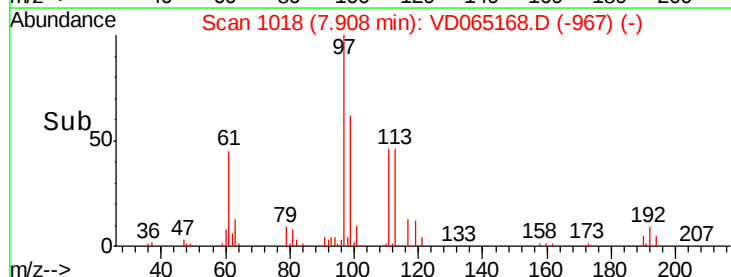
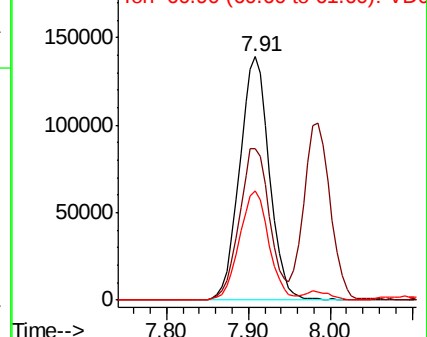
97 100

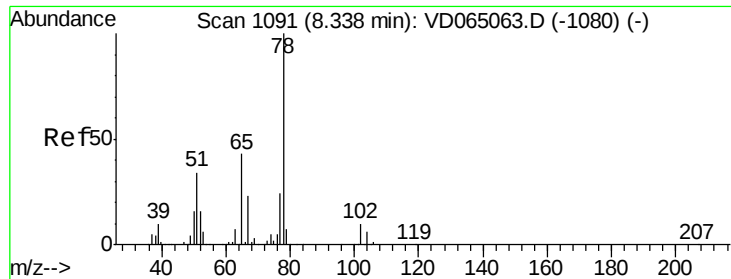
99 64.2 51.5 77.3

61 44.4 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

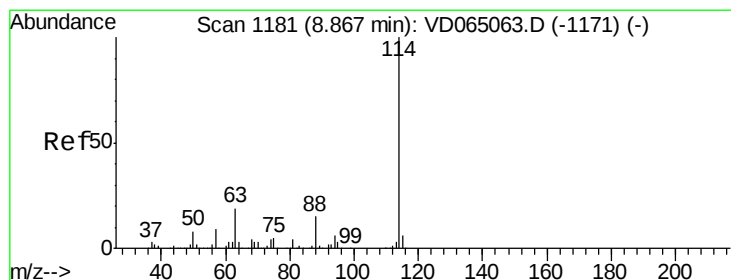
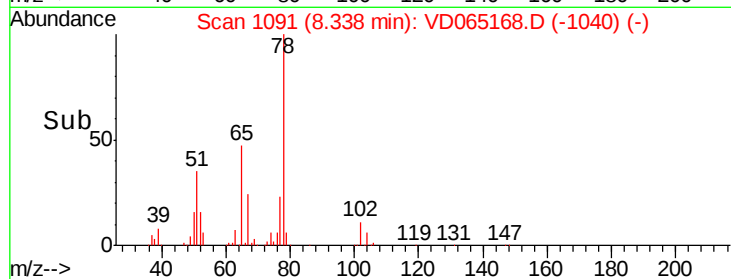
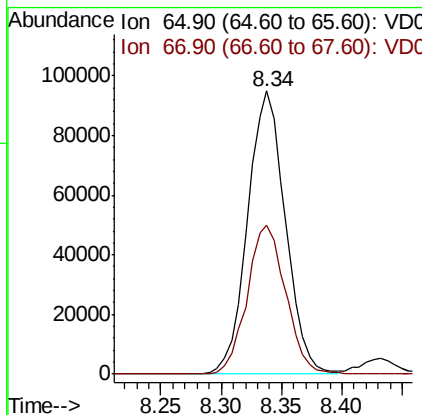
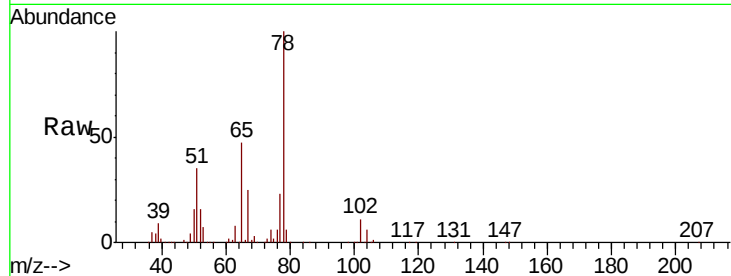




#33
 1,2-Dichloroethane-d4
 Concen: 56.511 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

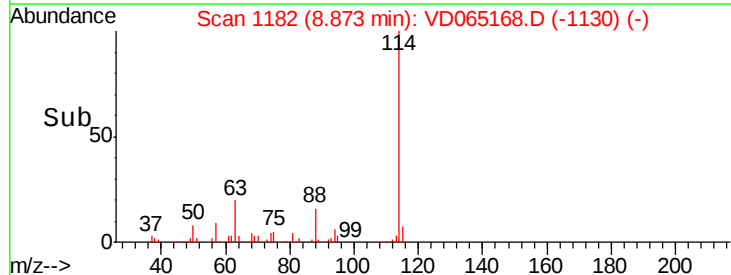
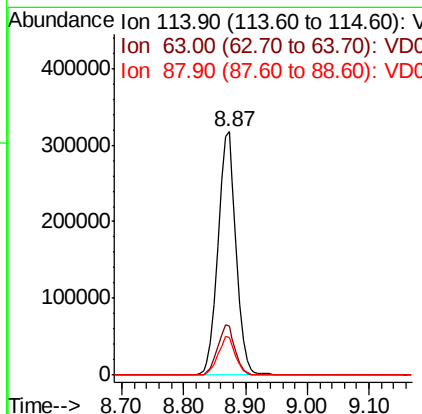
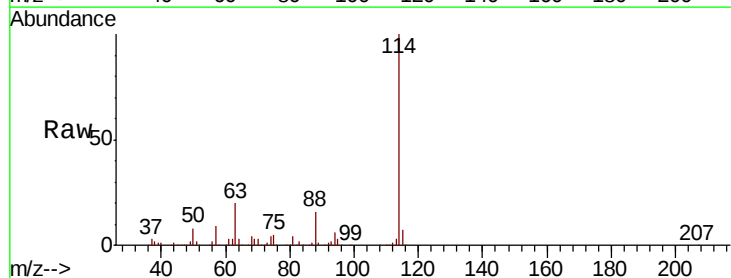
Instrument :
 MSVOA_D
 ClientSampleId :

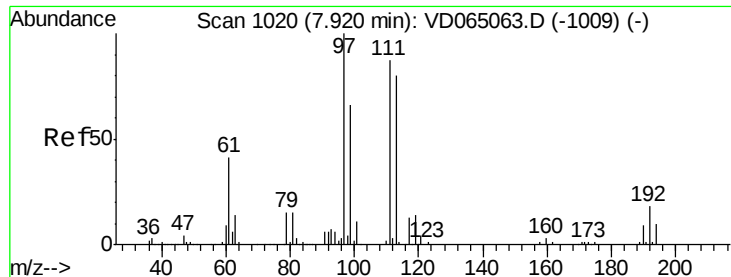
Tot Ion: 65 Resp: 206106
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion: 114 Resp: 641912
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.8
 88 15.6 0.0 29.6

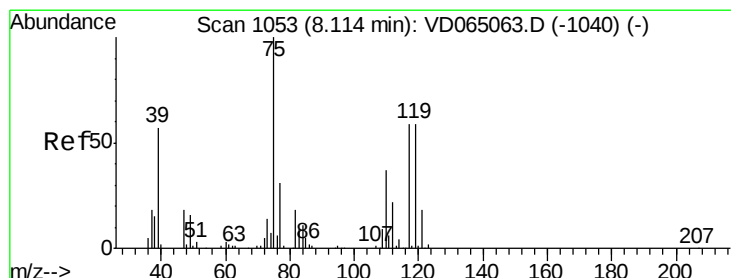
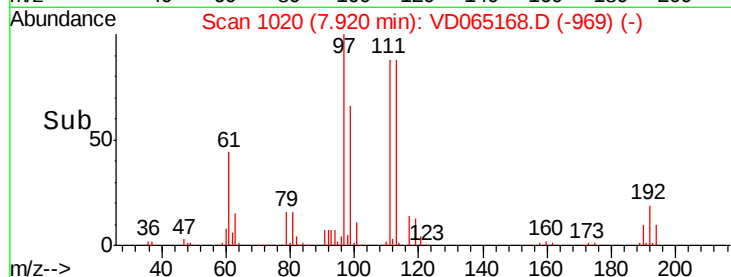
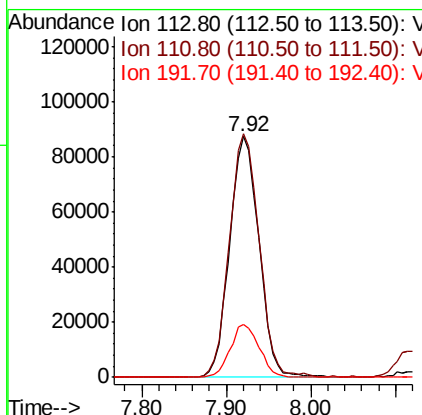
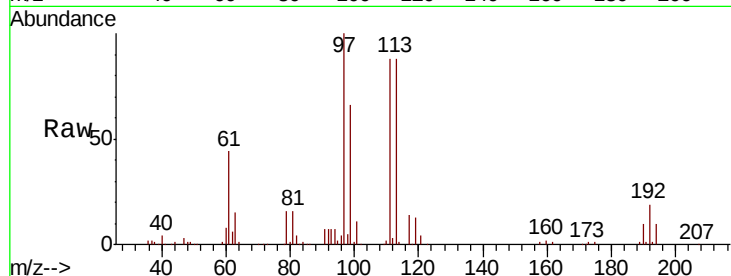




#35
 Dibromofluoromethane
 Concen: 58.366 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

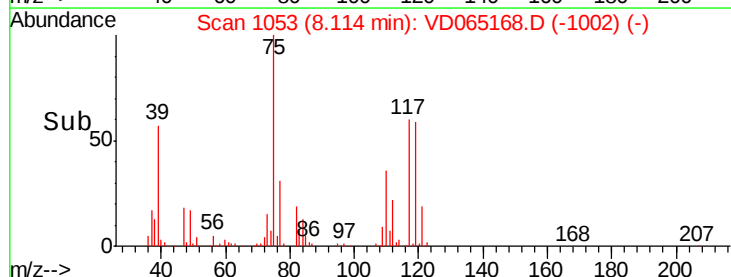
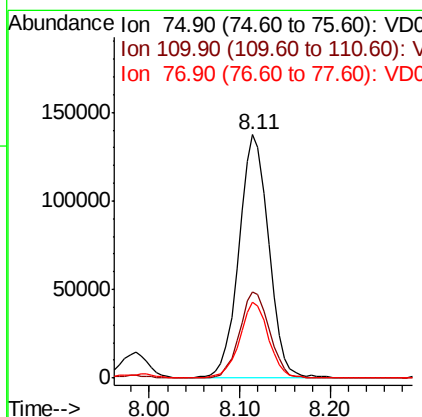
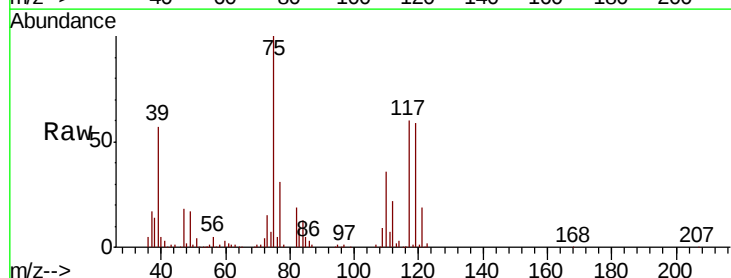
Instrument :
 MSVOA_D
 ClientSampleId :

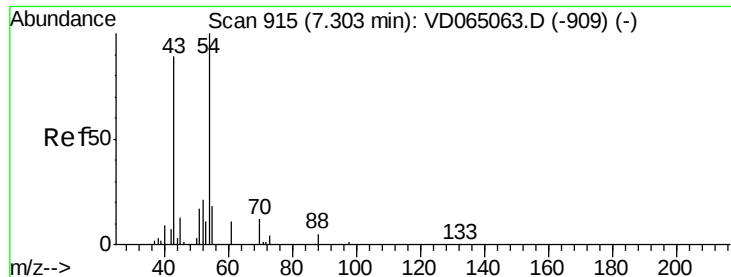
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.1	124.7
192	21.6	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 52.458 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.3
77	30.4	24.7	37.1

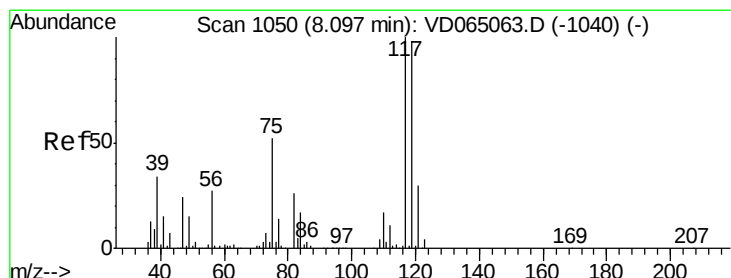
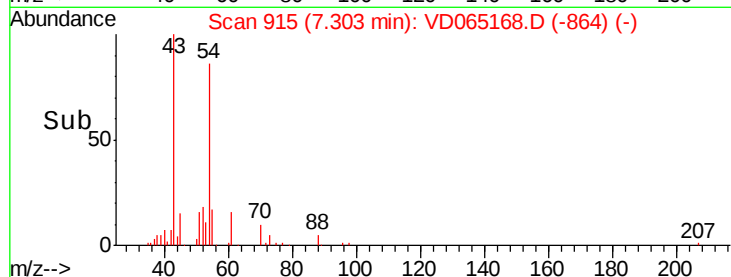
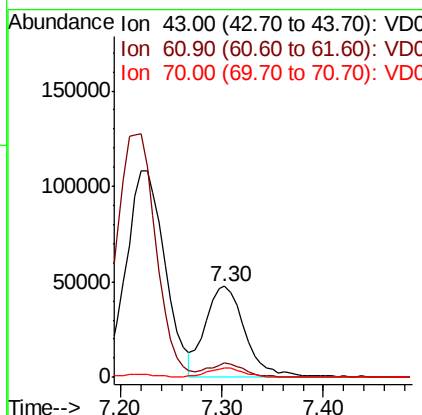
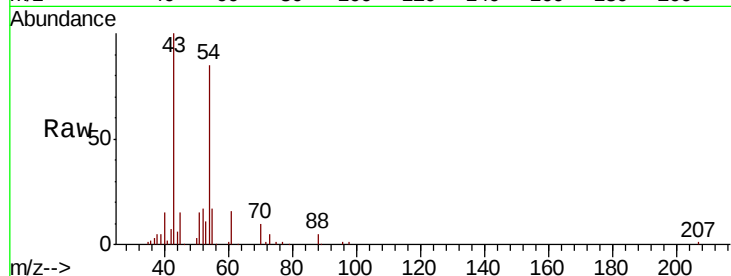




#37
Ethyl Acetate
Concen: 51.712 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

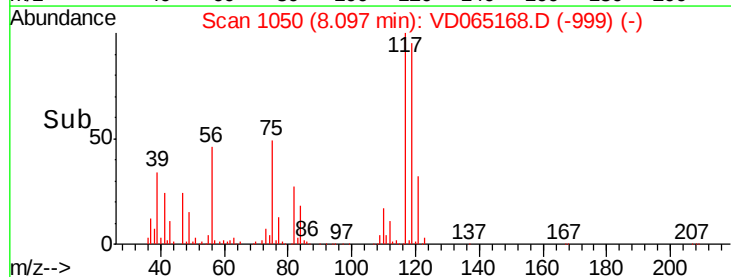
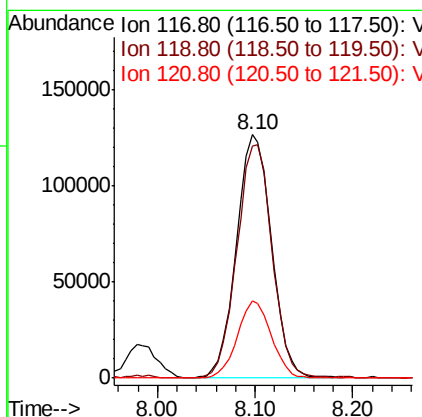
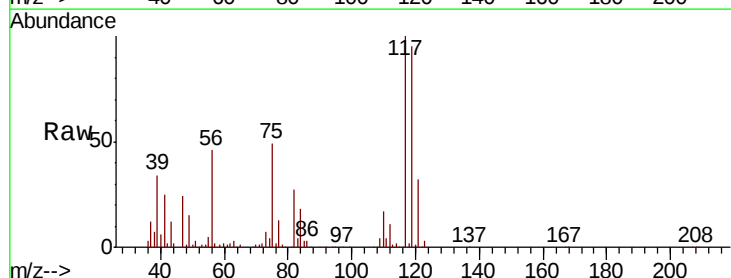
Instrument :
MSVOA_D
ClientSampleId :

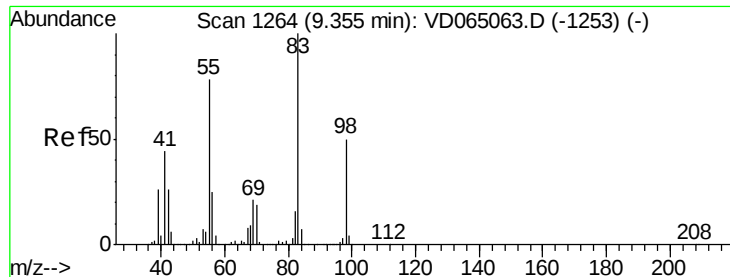
Tot Ion: 43 Resp: 126100
Ion Ratio Lower Upper
43 100
61 14.8 11.0 16.4
70 9.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 51.962 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 117 Resp: 316770
Ion Ratio Lower Upper
117 100
119 95.6 78.5 117.7
121 32.0 23.8 35.6

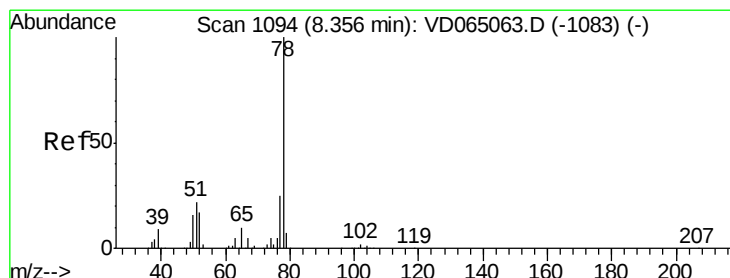
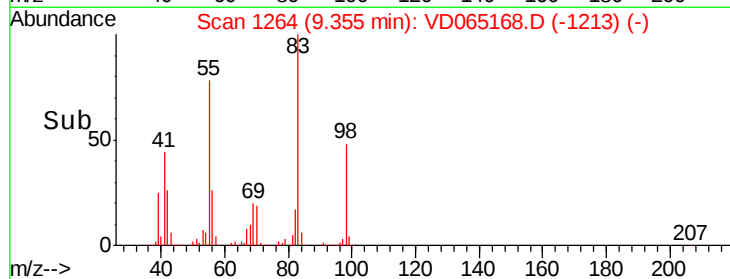
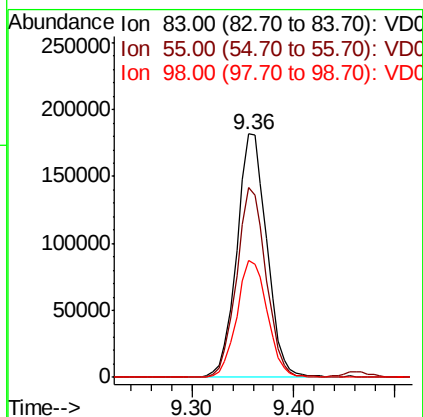
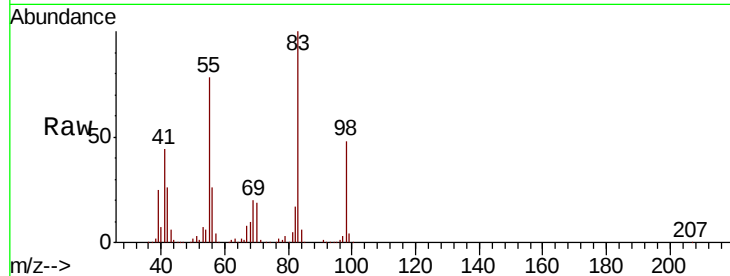




#39
Methvlcvclohexane
Concen: 50.714 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

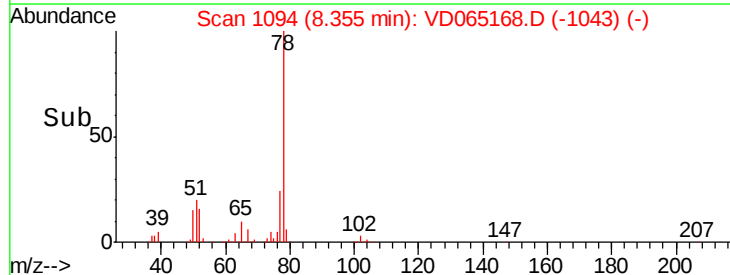
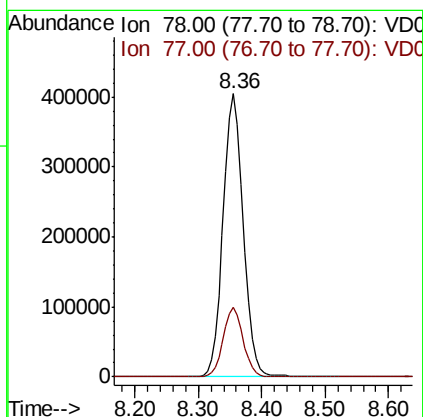
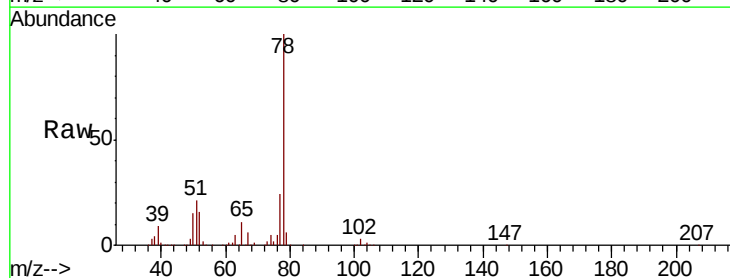
Instrument :
MSVOA_D
ClientSampled :

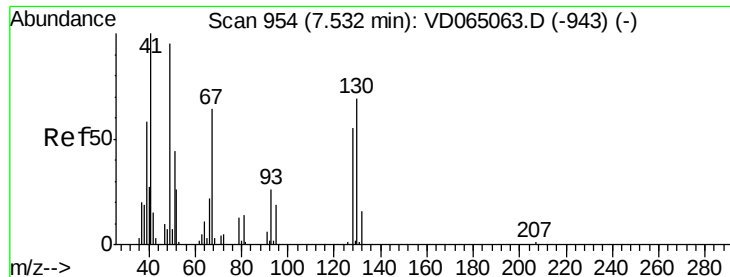
Tot Ion: 83 Resp: 373632
Ion Ratio Lower Upper
83 100
55 77.7 62.0 93.0
98 48.2 39.9 59.9



#40
Benzene
Concen: 53.980 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 78 Resp: 889736
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

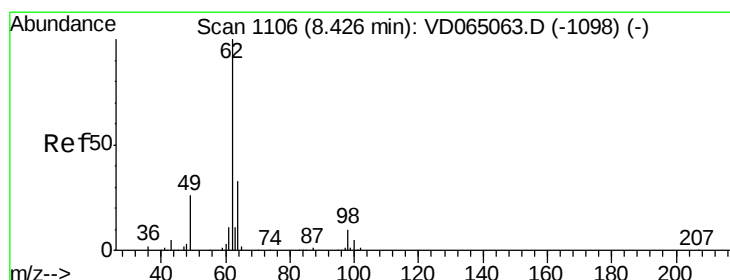
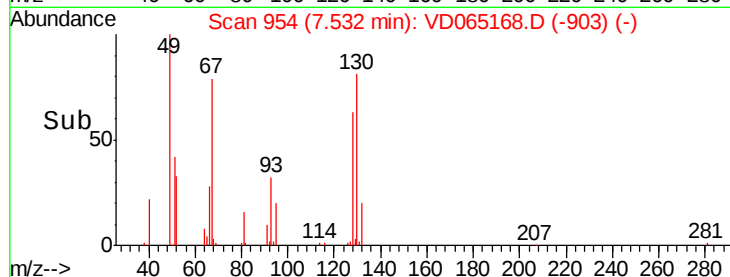
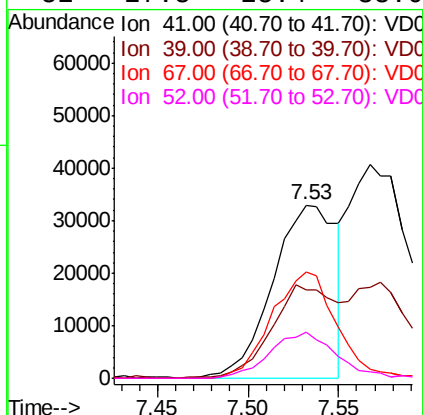
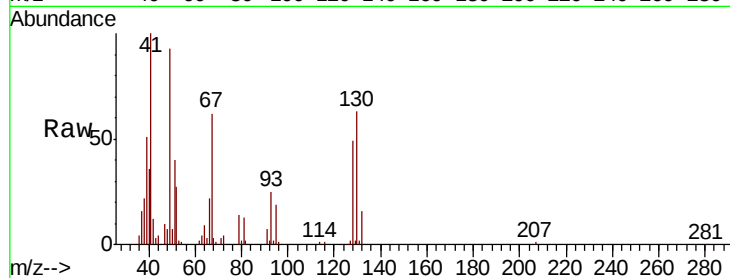




#41
Methacrylonitrile
Concen: 60.123 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

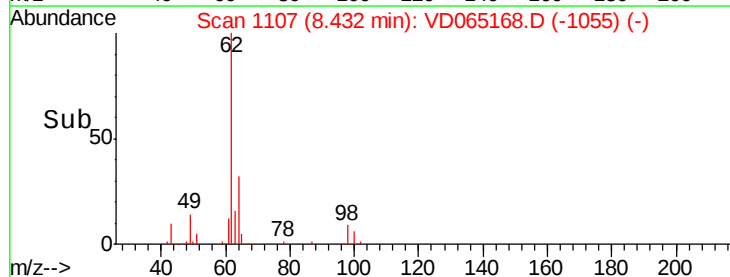
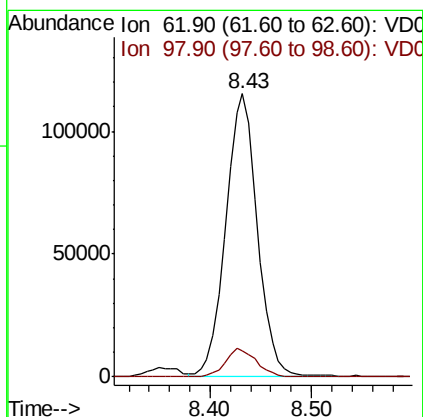
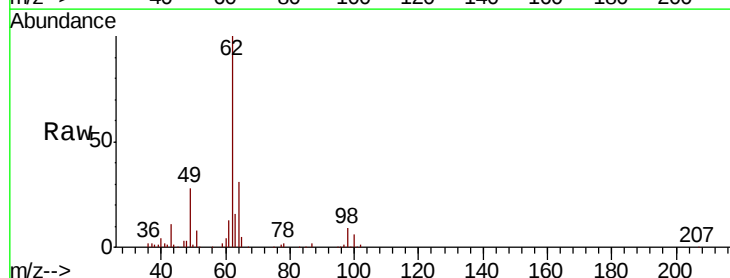
Instrument :
MSVOA_D
ClientSampleId :

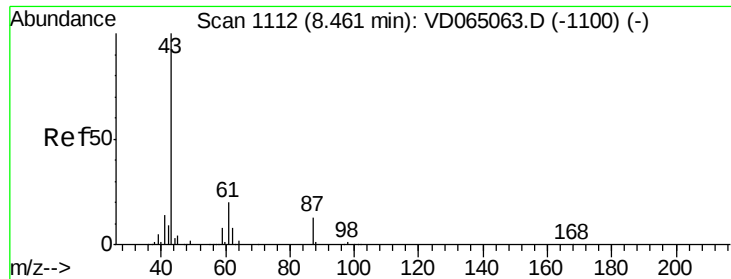
Tot Ion:	41	Resp:	80770
Ion	Ratio	Lower	Upper
41	100		
39	52.8	55.4	83.0#
67	62.2	59.0	88.6
52	27.8	25.4	38.0



#42
1,2-Dichloroethane
Concen: 52.890 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion:	62	Resp:	248399
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 50.794 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

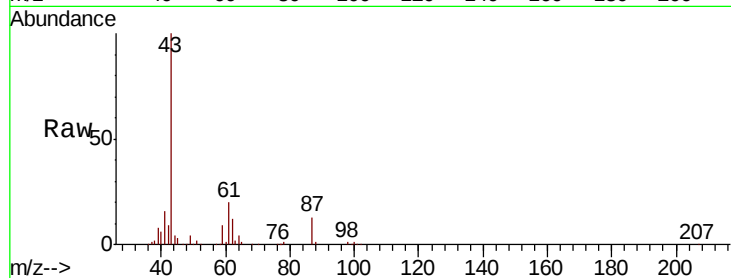
Tot Ion: 43 Resp: 236935

Ion Ratio Lower Upper

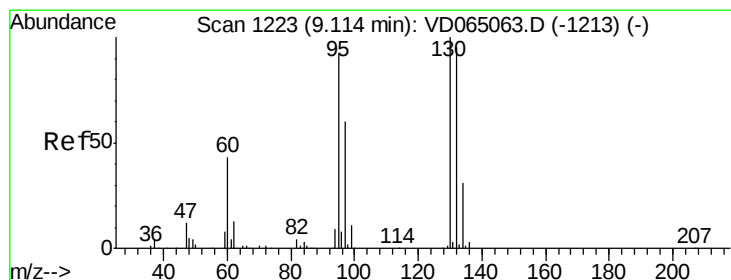
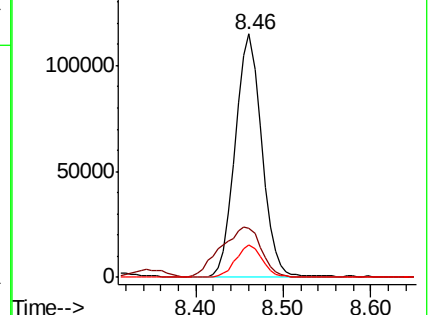
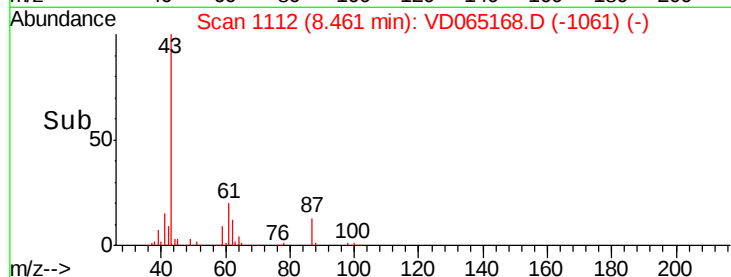
43 100

61 31.1 24.0 36.0

87 13.1 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.368 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065168.D

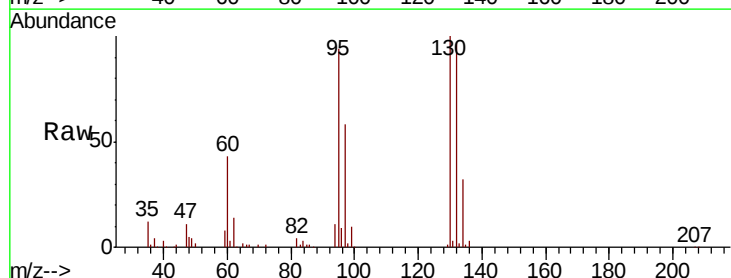
Acq: 12 Feb 2020 17:42

Tgt Ion:130 Resp: 243028

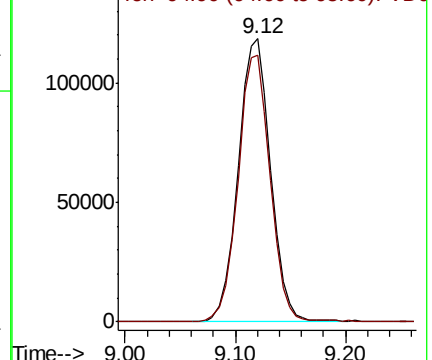
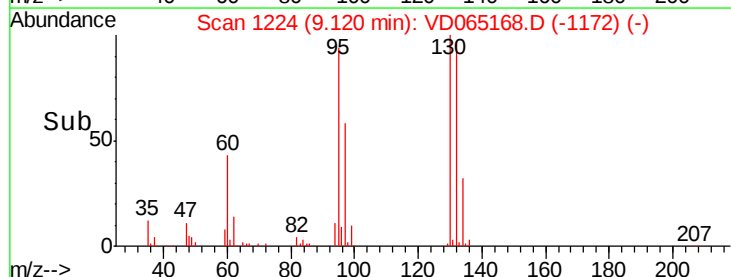
Ion Ratio Lower Upper

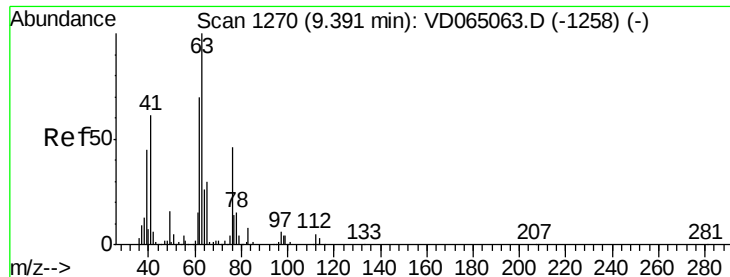
130 100

95 94.3 0.0 185.0



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

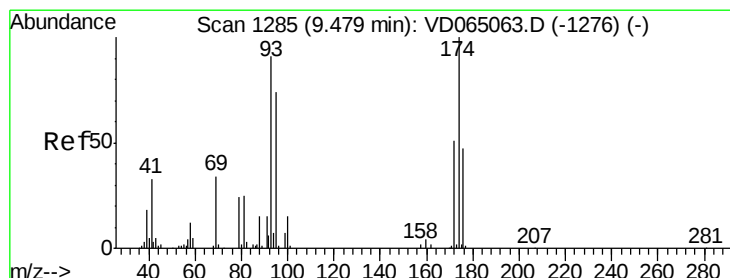
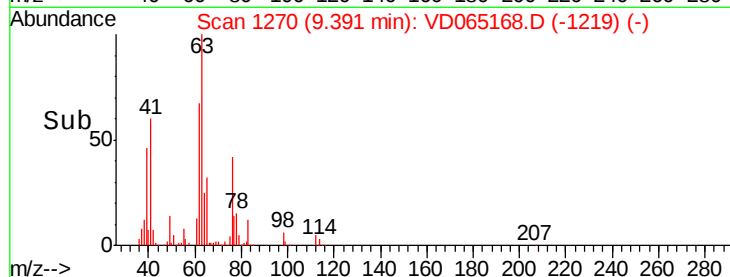
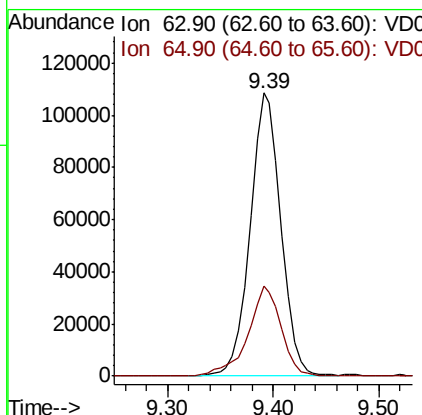
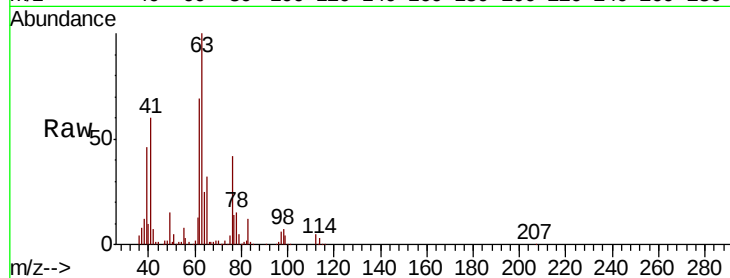




#45
 1,2-Dichloropropane
 Concen: 55.714 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

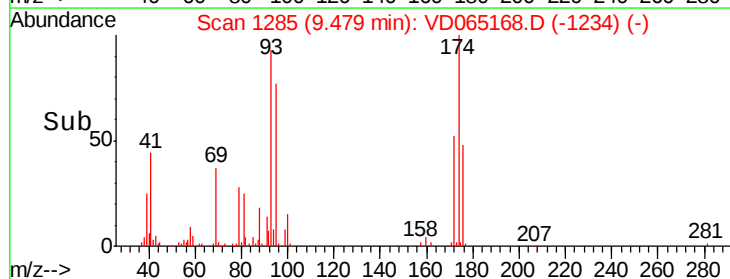
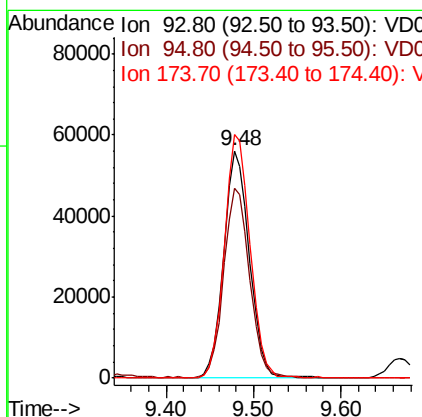
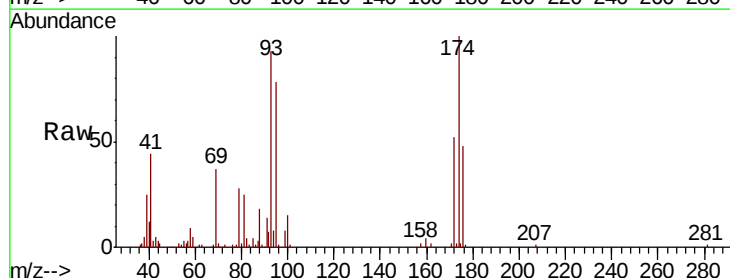
Instrument :
 MSVOA_D
 ClientSampled :

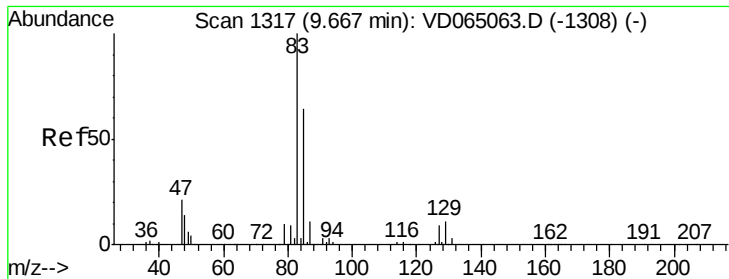
Tot Ion: 63 Resp: 220176
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.9 35.9



#46
 Dibromomethane
 Concen: 54.333 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion: 93 Resp: 112830
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.5 99.7
 174 107.3 89.8 134.8





#47

Bromodichloromethane

Concen: 54.494 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

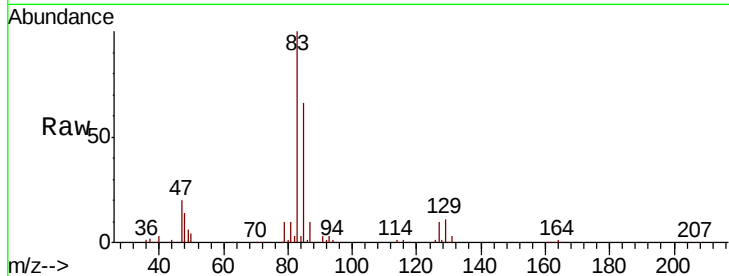
Tot Ion: 83 Resp: 298178

Ion Ratio Lower Upper

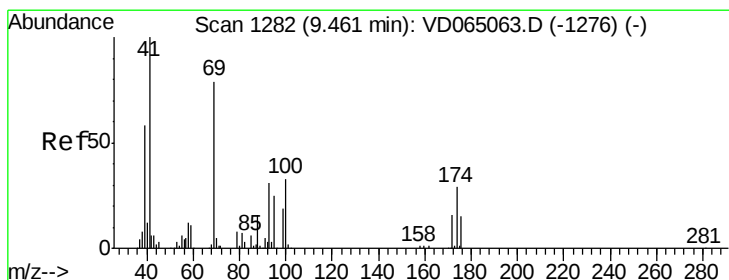
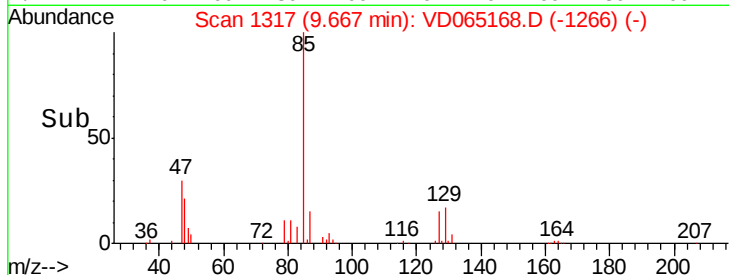
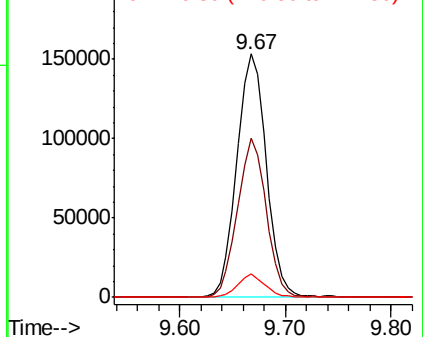
83 100

85 65.6 51.0 76.6

127 9.6 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 51.231 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

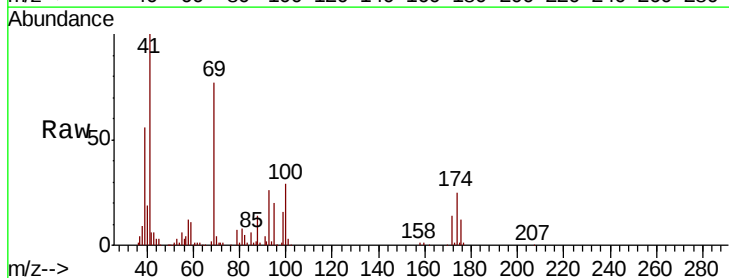
Tgt Ion: 41 Resp: 114995

Ion Ratio Lower Upper

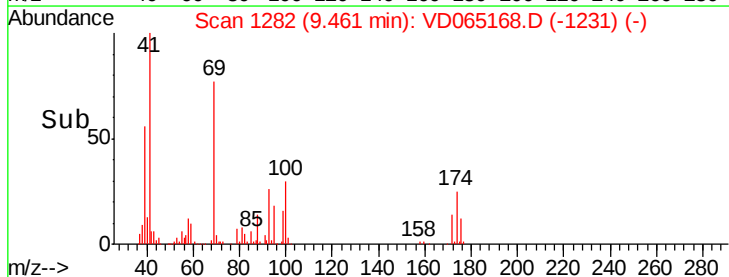
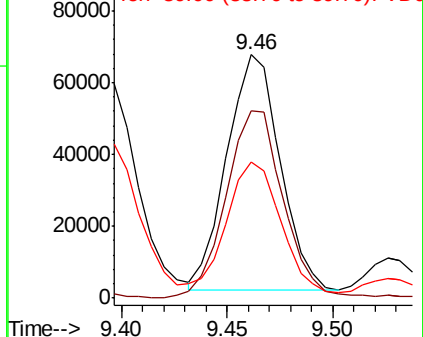
41 100

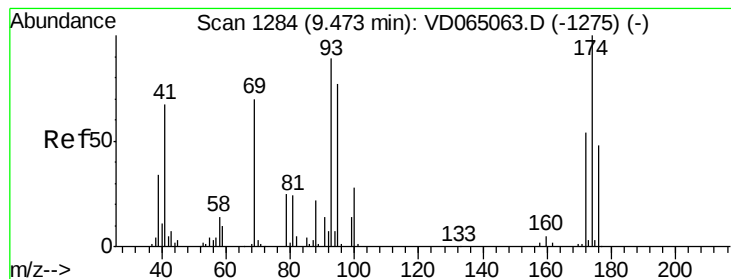
69 85.5 67.5 101.3

39 55.2 47.0 70.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1017.675 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampled :

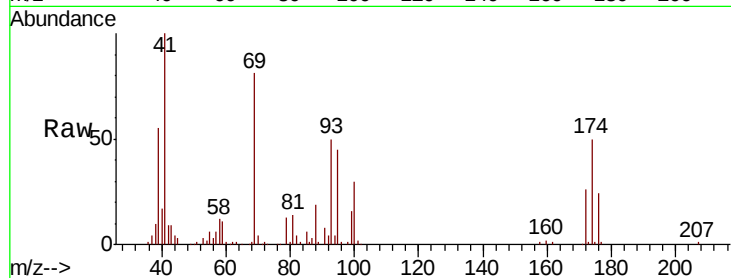
Tot Ion: 88 Resp: 25031

Ion Ratio Lower Upper

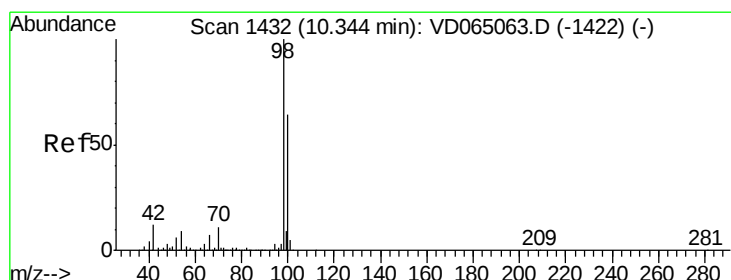
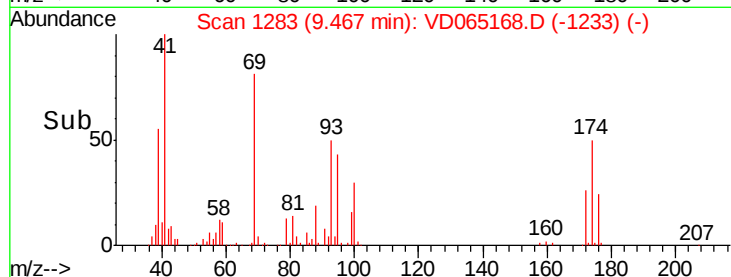
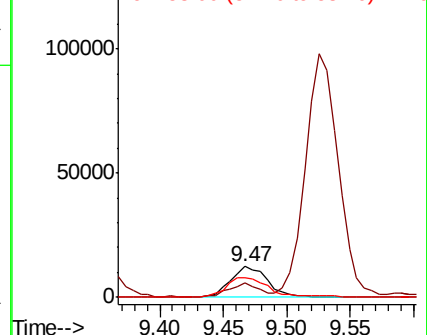
88 100

43 35.3 27.7 41.5

58 71.5 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 57.066 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065168.D

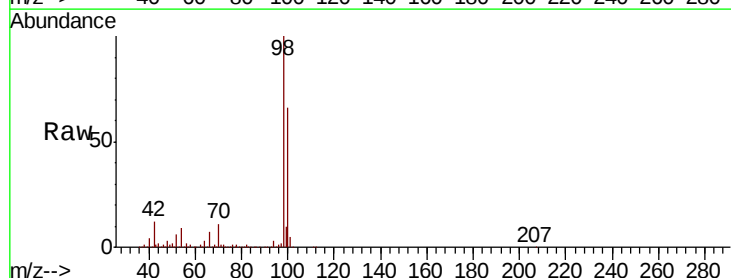
Acq: 12 Feb 2020 17:42

Tgt Ion: 98 Resp: 813489

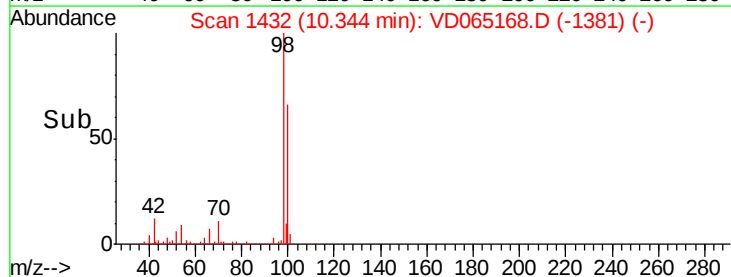
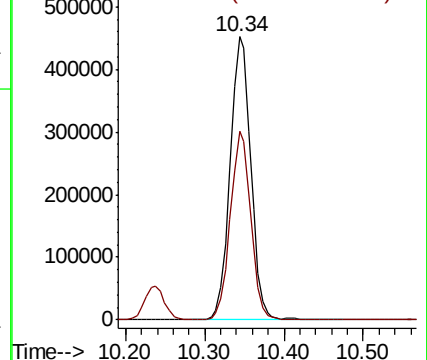
Ion Ratio Lower Upper

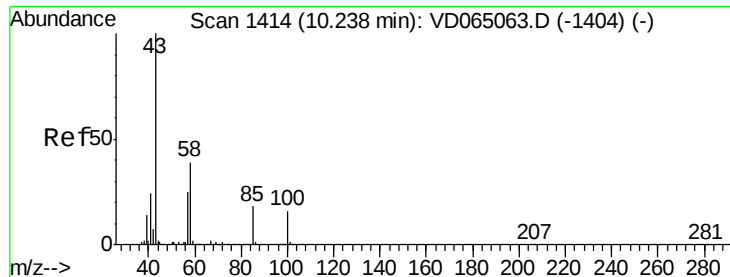
98 100

100 65.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

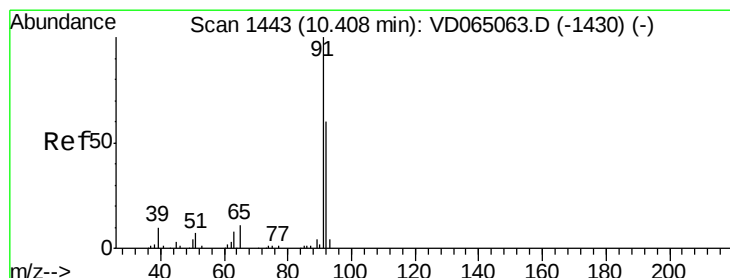
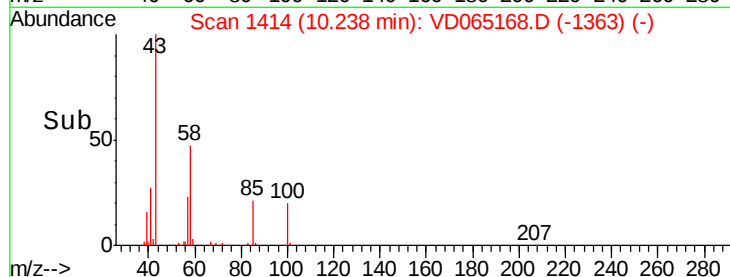
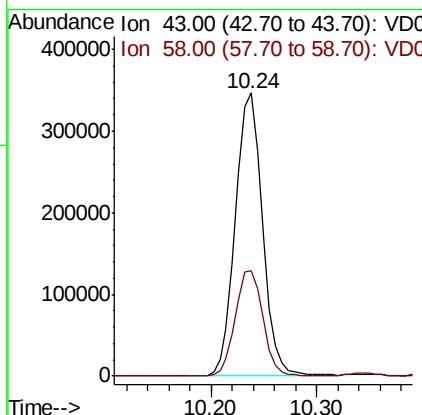
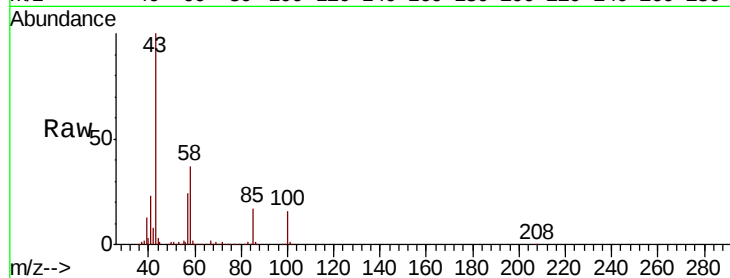




#51
 4-Methyl-2-Pentanone
 Concen: 268.707 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

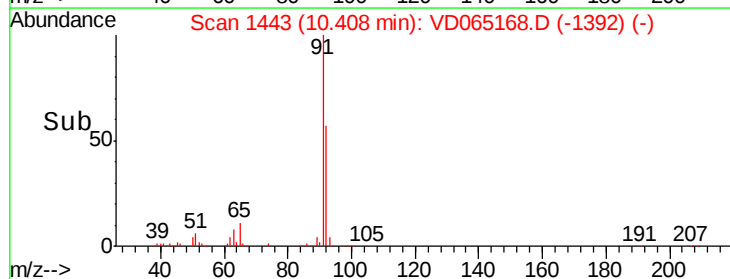
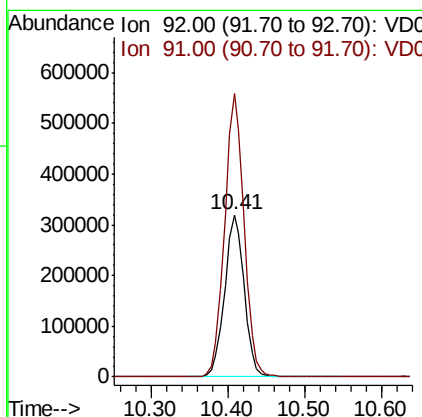
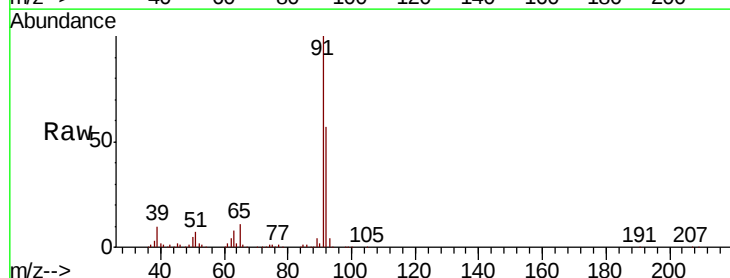
Instrument :
 MSVOA_D
 ClientSampleId :

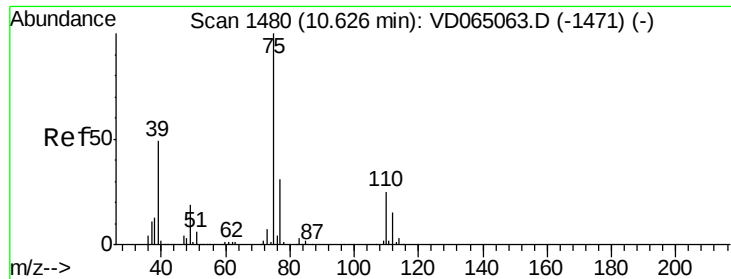
Tot Ion: 43 Resp: 616954
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.2 45.2



#52
 Toluene
 Concen: 53.600 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion: 92 Resp: 563868
 Ion Ratio Lower Upper
 92 100
 91 174.2 135.3 202.9

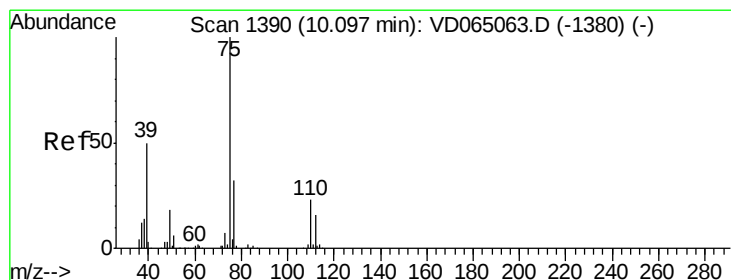
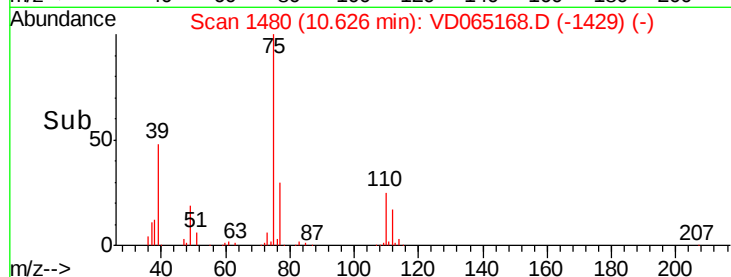
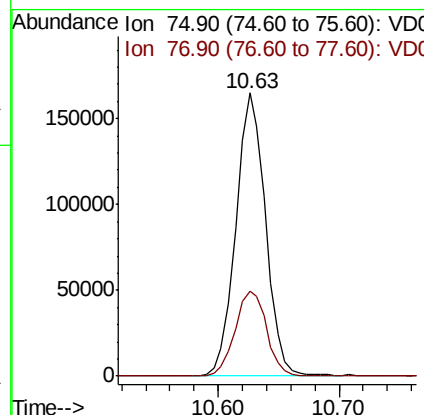
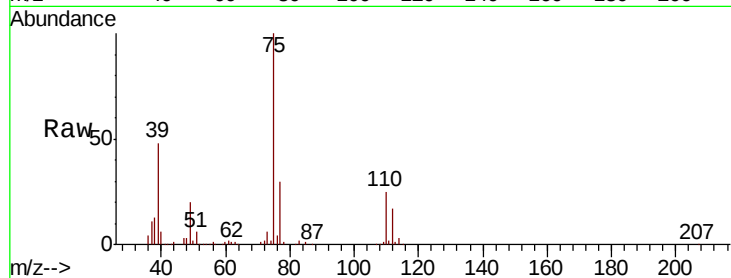




#53
t-1,3-Dichloropropene
Concen: 53.050 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

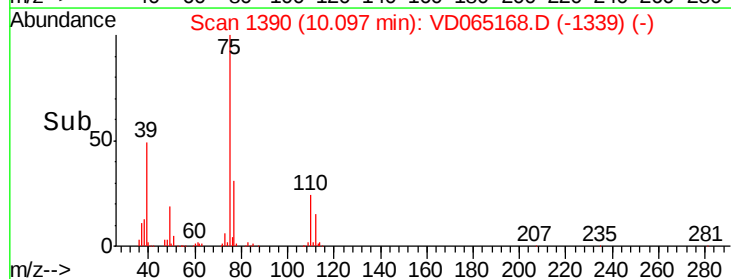
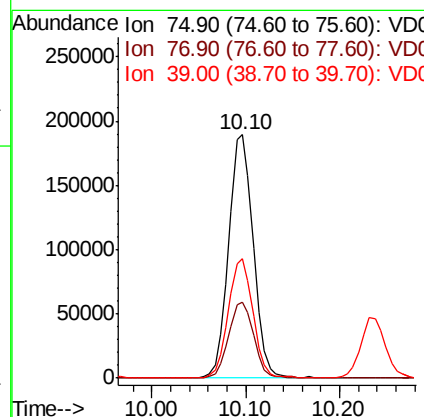
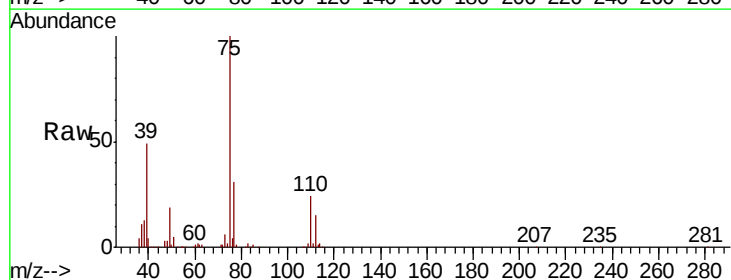
Instrument :
MSVOA_D
ClientSampleId :

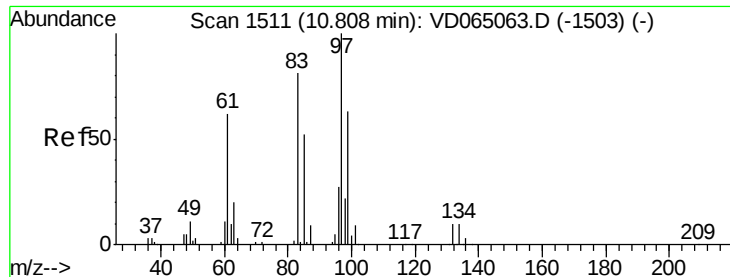
Tot Ion: 75 Resp: 282620
Ion Ratio Lower Upper
75 100
77 30.2 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 54.170 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 75 Resp: 345155
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 48.9 40.3 60.5

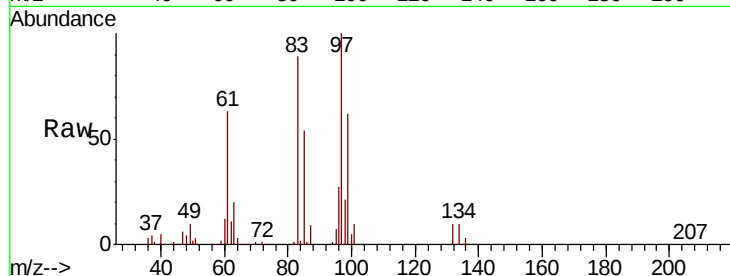




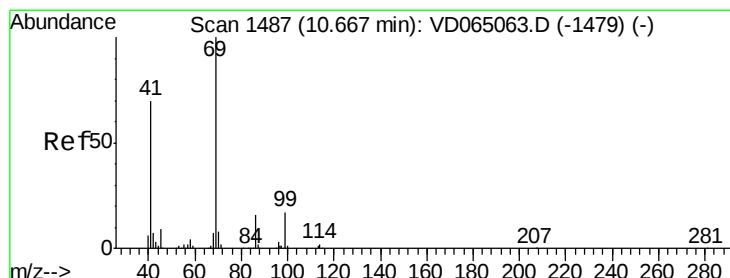
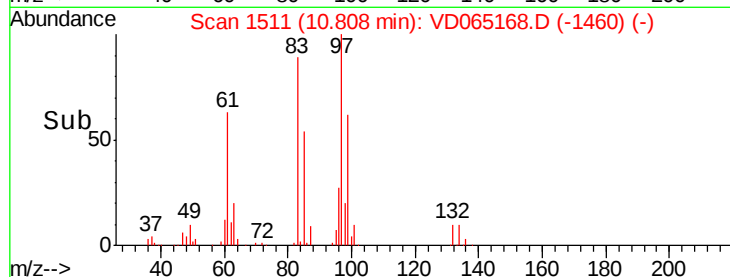
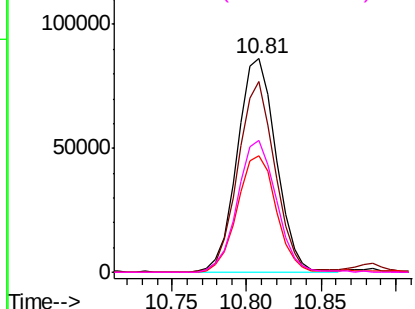
#55
 1,1,2-Trichloroethane
 Concen: 54.805 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	156107
Ion	Ratio	Lower	Upper
97	100		
83	89.4	64.8	97.2
85	54.3	41.2	61.8
99	61.6	50.3	75.5

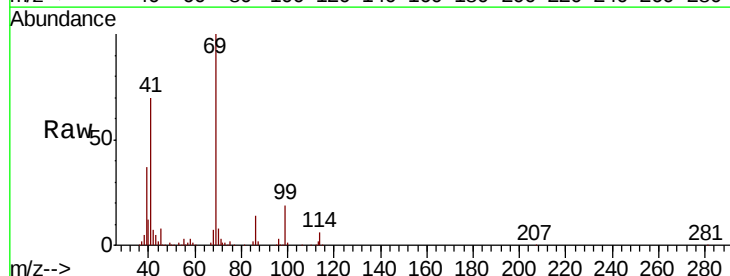


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

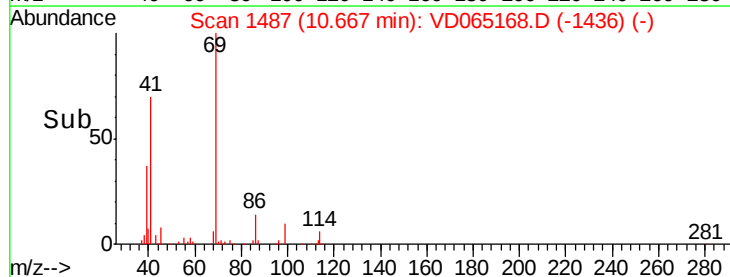
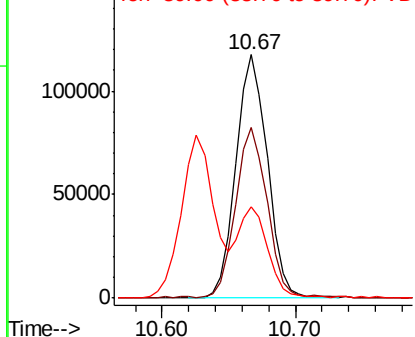


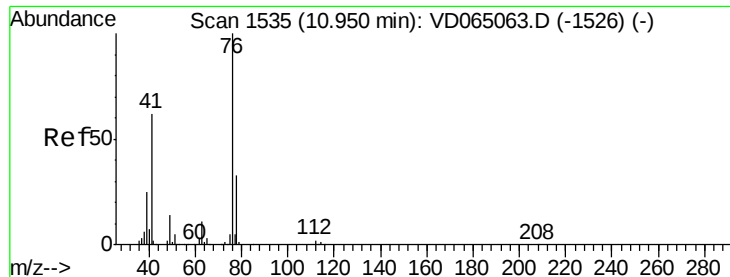
#56
 Ethyl methacrylate
 Concen: 53.389 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion:	69	Resp:	192416
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.9	83.9
39	35.2	29.4	44.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 54.565 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

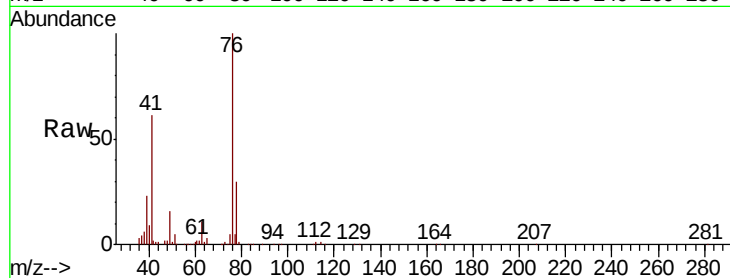
ClientSampleId :

Tot Ion: 76 Resp: 273298

Ion Ratio Lower Upper

76 100

78 31.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.96

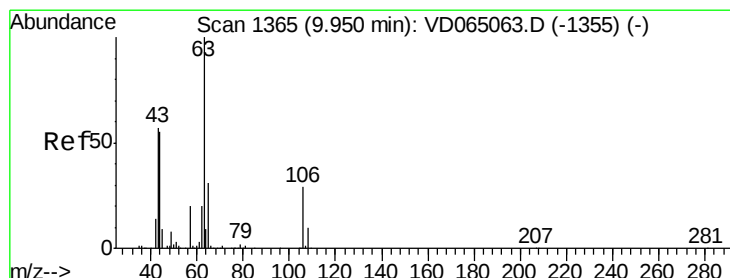
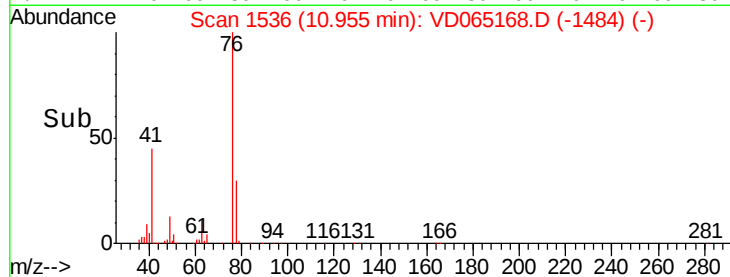
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.790 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065168.D

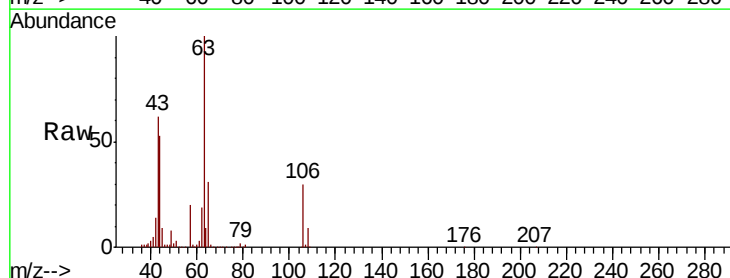
Acq: 12 Feb 2020 17:42

Tgt Ion: 63 Resp: 287659

Ion Ratio Lower Upper

63 100

106 29.2 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200000

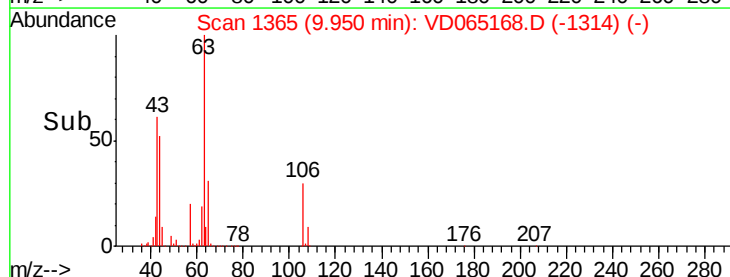
150000

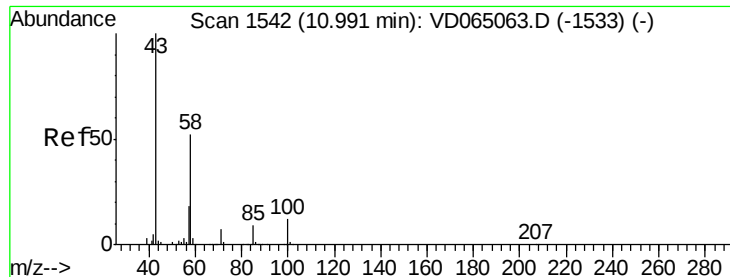
100000

50000

0

Time-->

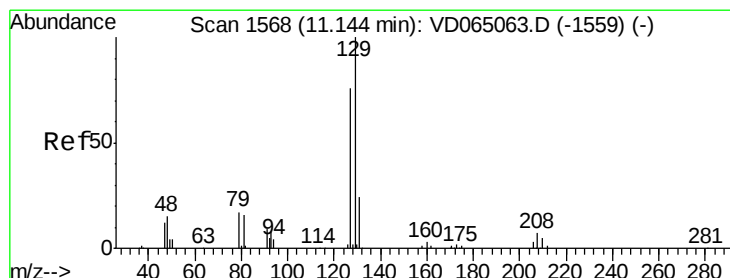
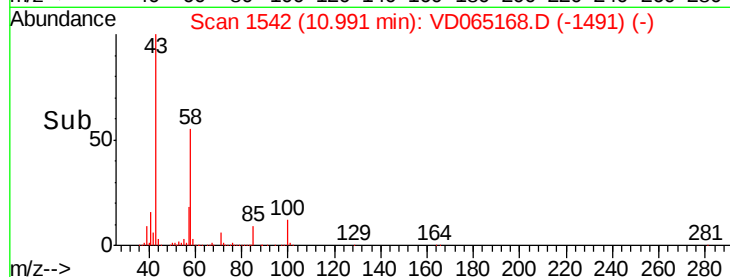
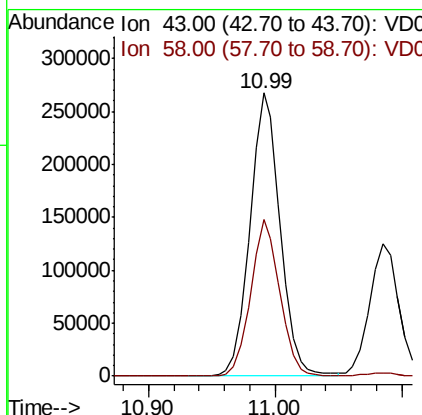
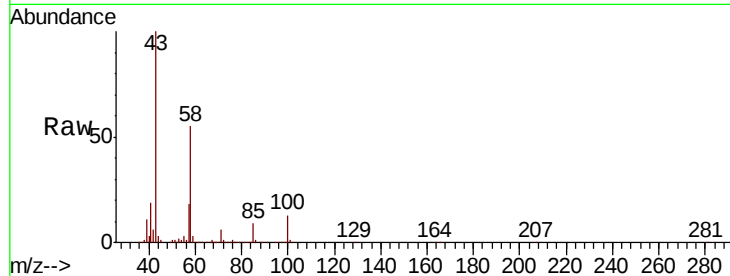




#59
2-Hexanone
Concen: 272.745 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

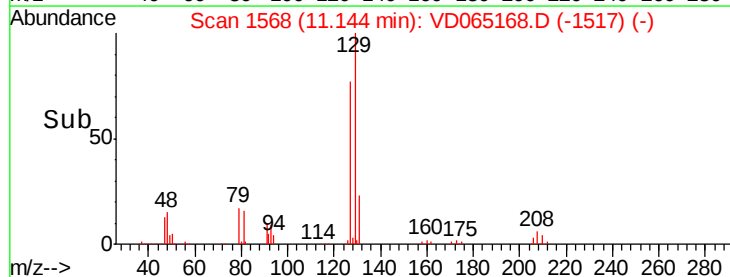
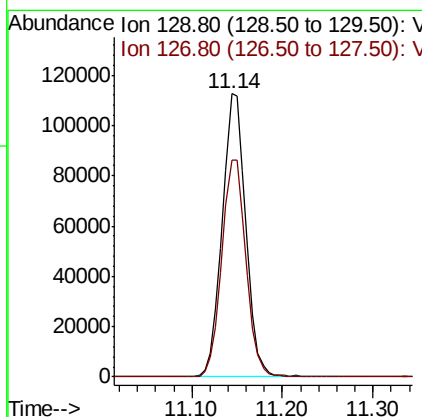
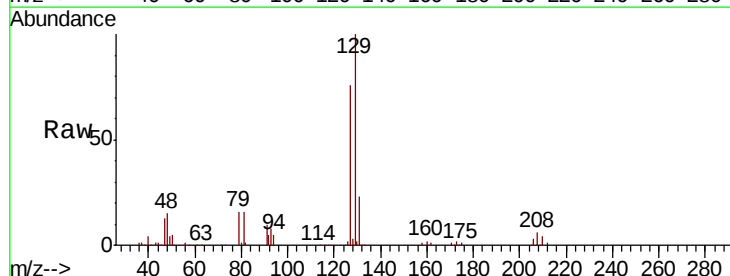
Instrument :
MSVOA_D
ClientSampleId :

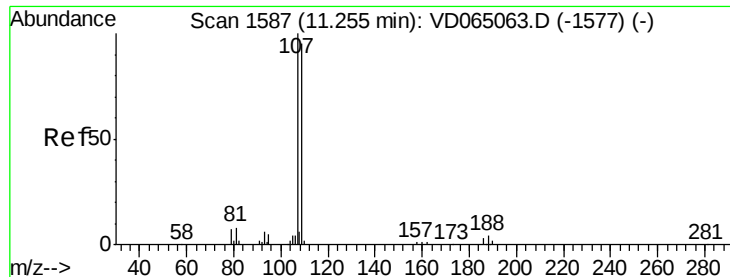
Tot Ion: 43 Resp: 443569
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.6



#60
Dibromochloromethane
Concen: 55.111 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 129 Resp: 203328
Ion Ratio Lower Upper
129 100
127 78.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 53.453 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

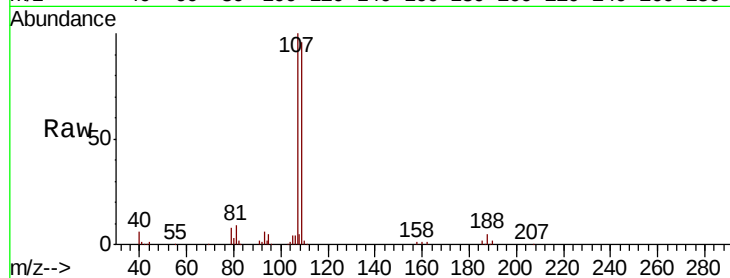
ClientSampleId :

Tot Ion: 107 Resp: 148771

Ion Ratio Lower Upper

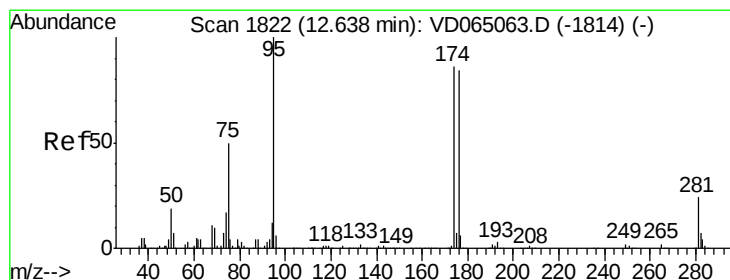
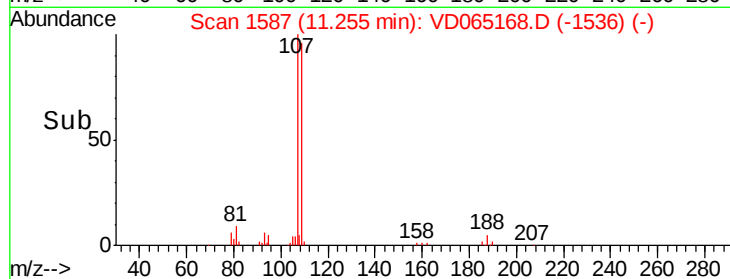
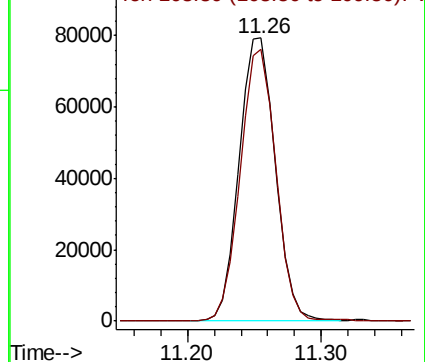
107 100

109 94.5 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.630 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

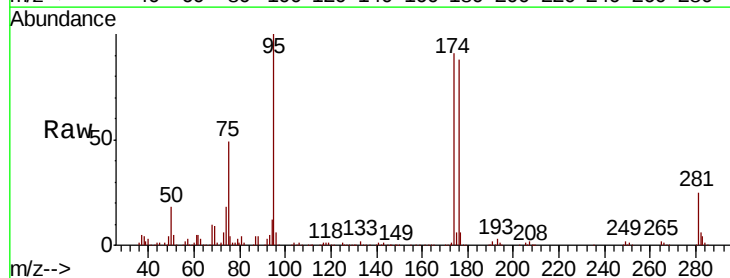
Tgt Ion: 95 Resp: 255794

Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.0

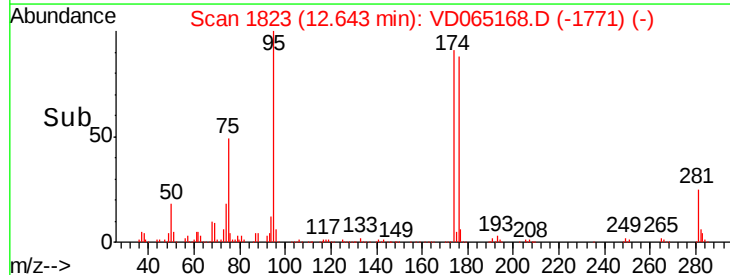
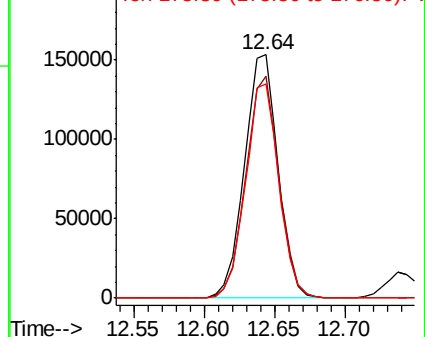
176 87.5 0.0 173.2

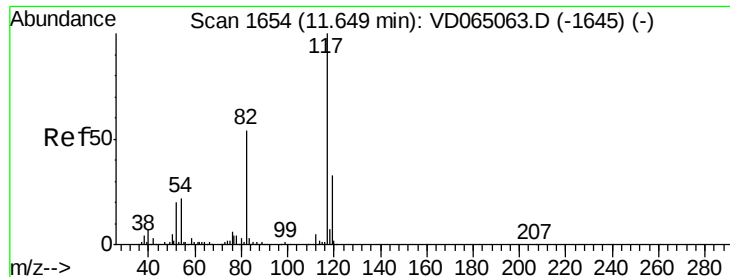


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

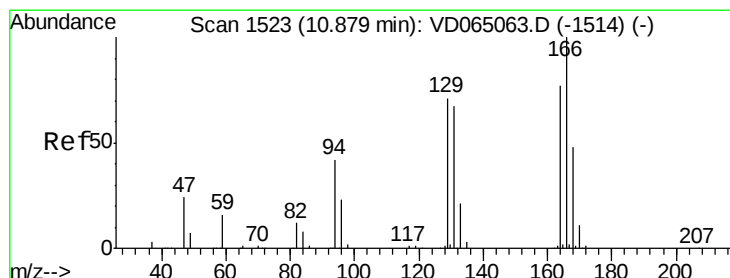
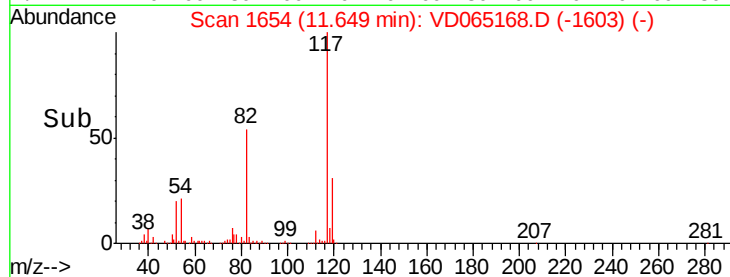
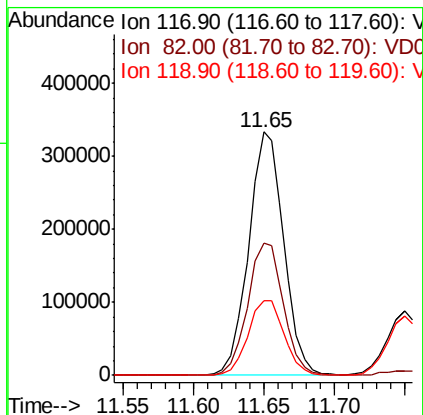
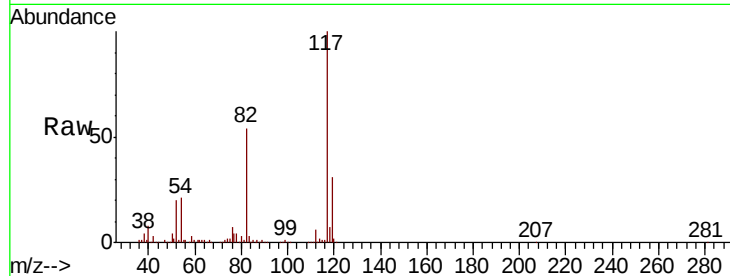




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

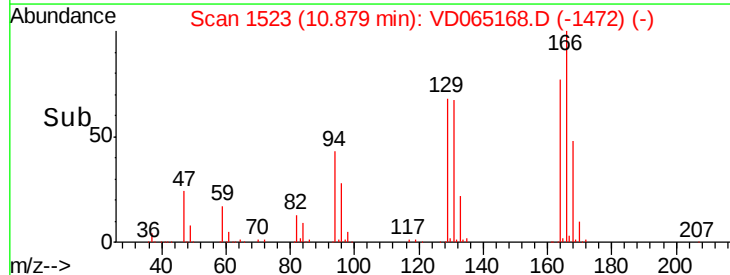
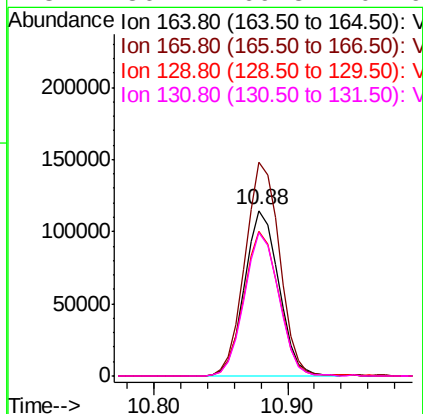
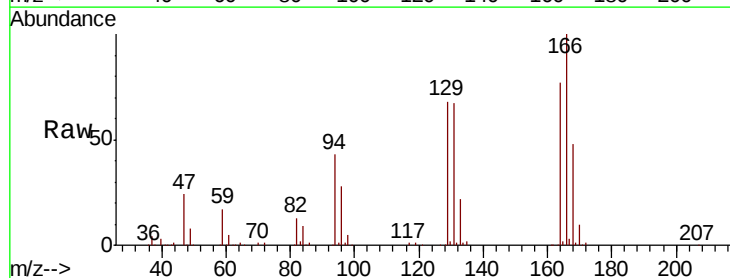
Instrument :
MSVOA_D
ClientSampleId :

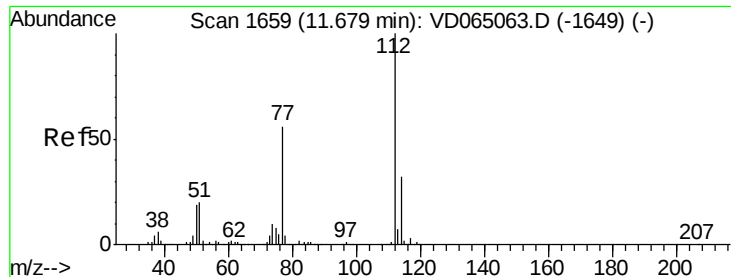
Tot Ion:117 Resp: 580630
Ion Ratio Lower Upper
117 100
82 54.1 43.1 64.7
119 30.5 26.0 39.0



#64
Tetrachloroethene
Concen: 48.623 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion:164 Resp: 202861
Ion Ratio Lower Upper
164 100
166 129.3 103.5 155.3
129 87.6 73.3 109.9
131 86.7 69.8 104.6

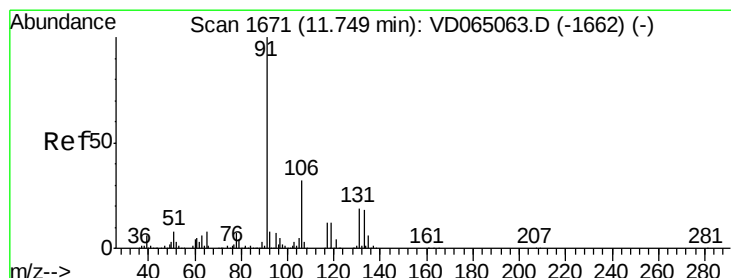
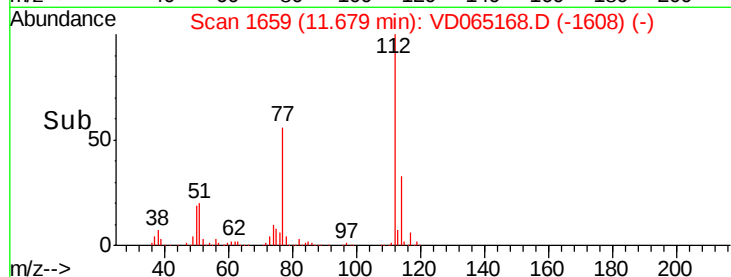
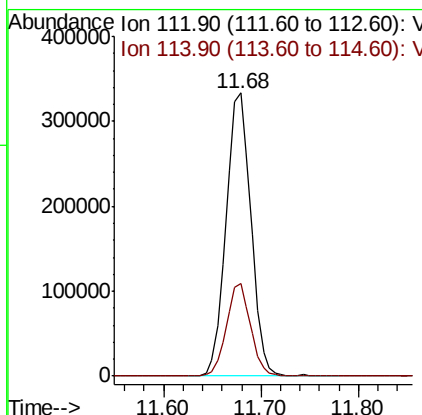
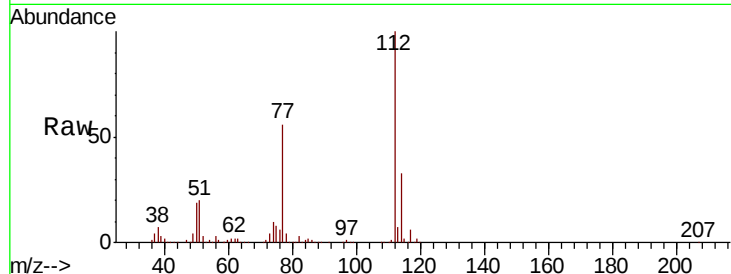




#65
Chlorobenzene
Concen: 52.508 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

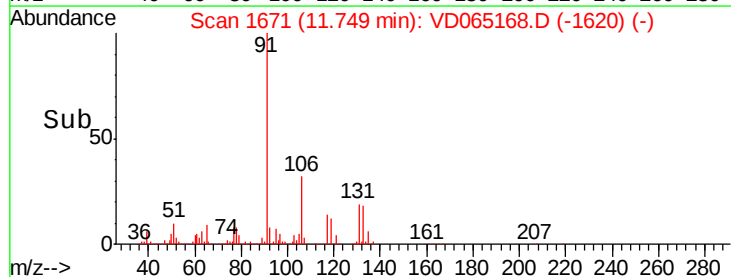
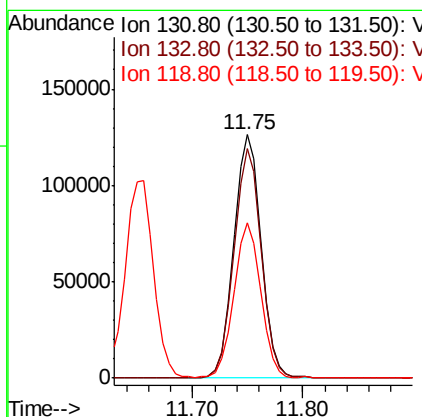
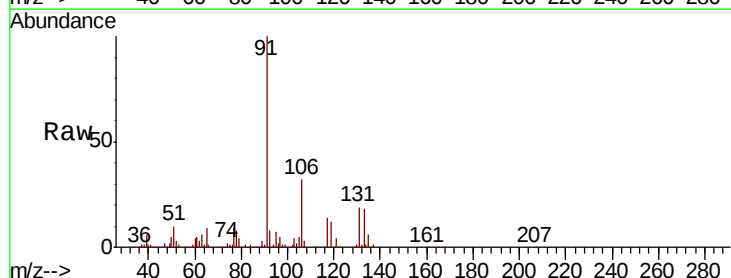
Instrument :
MSVOA_D
ClientSampleId :

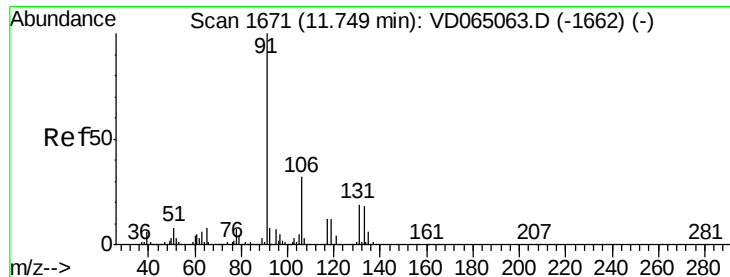
Tot Ion:112 Resp: 589677
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.142 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion:131 Resp: 220265
Ion Ratio Lower Upper
131 100
133 94.3 47.7 143.1
119 62.4 31.3 93.8

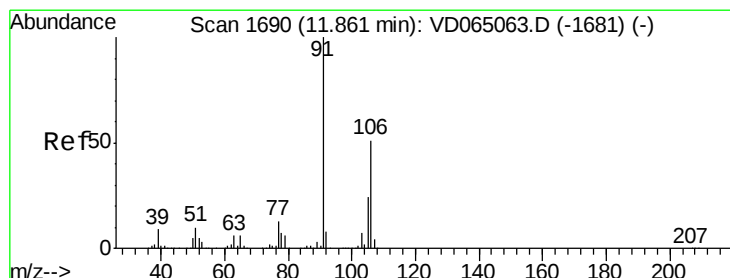
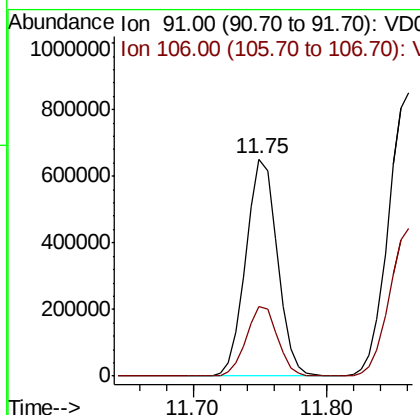
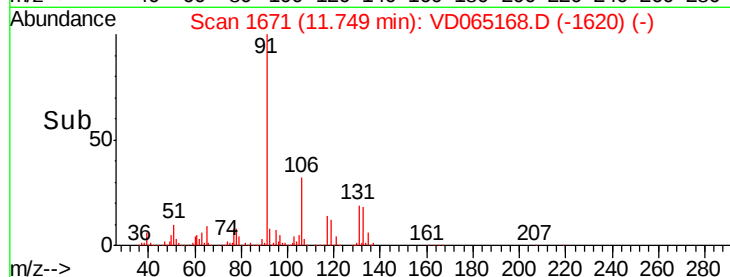
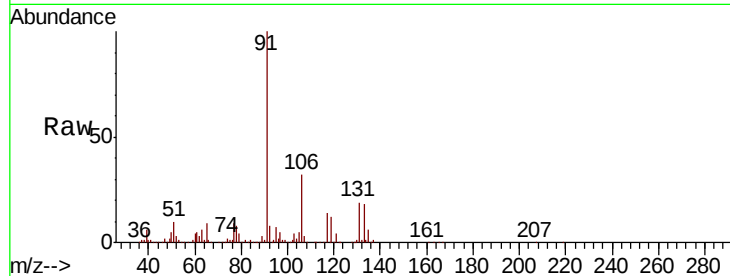




#67
Ethyl Benzene
Concen: 52.182 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

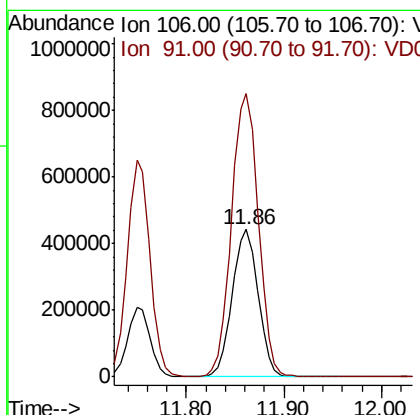
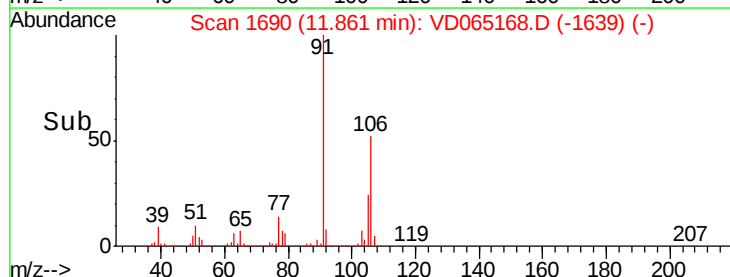
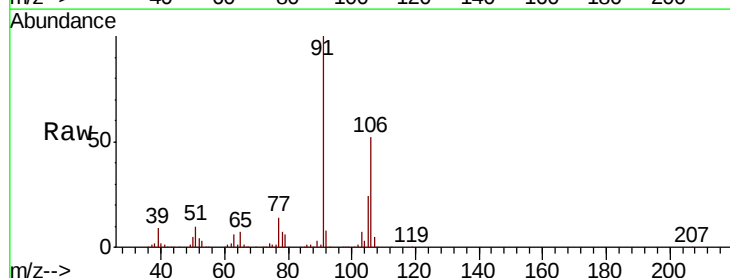
Instrument :
MSVOA_D
ClientSampled :

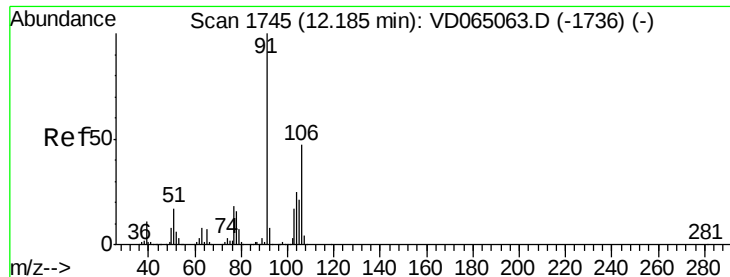
Tot Ion: 91 Resp: 1064687
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 105.337 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 106 Resp: 820302
Ion Ratio Lower Upper
106 100
91 198.6 158.9 238.3

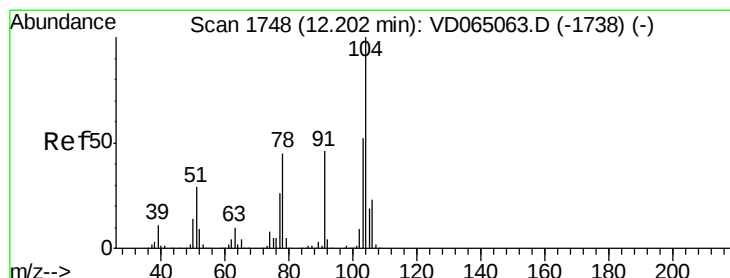
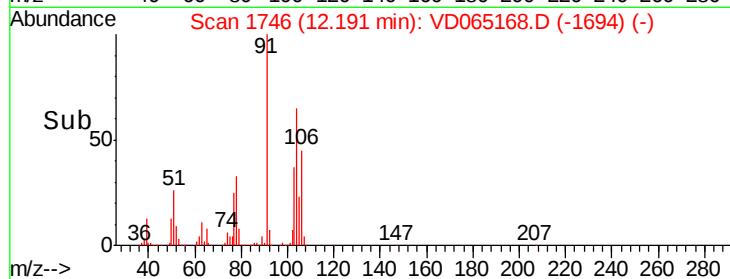
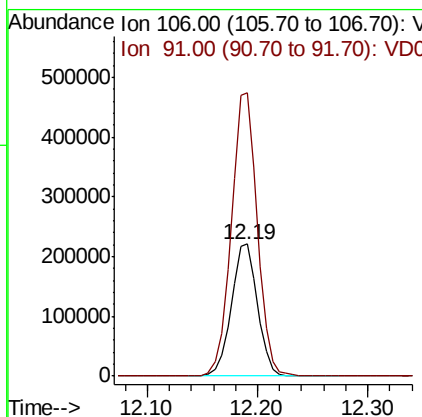
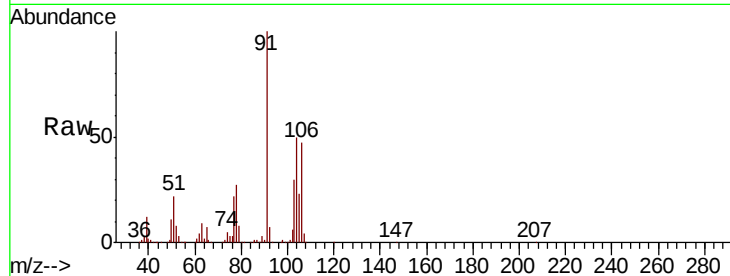




#69
o-Xylene
Concen: 52.332 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

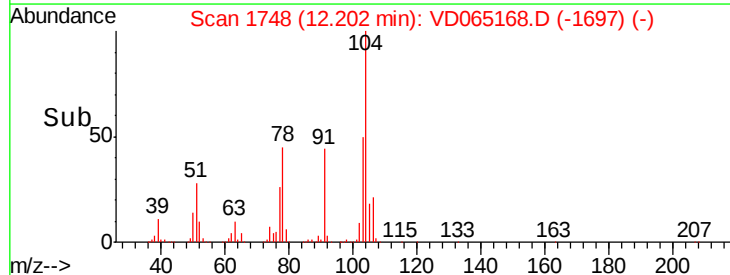
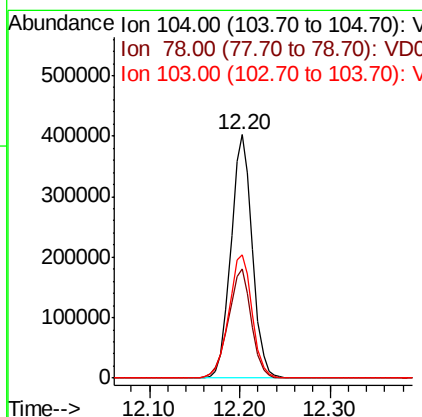
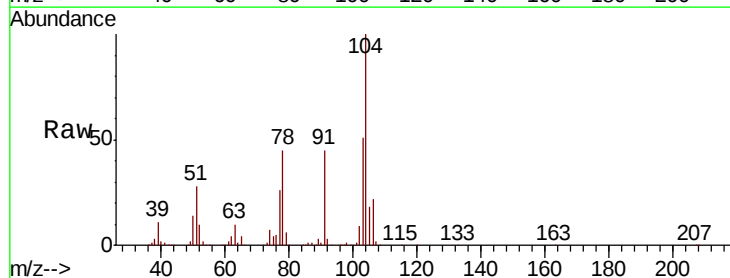
Instrument :
MSVOA_D
ClientSampled :

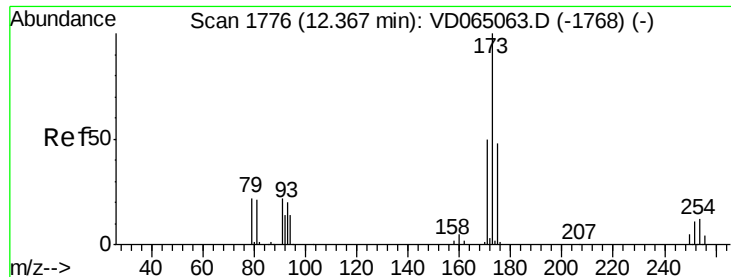
Tot Ion:106 Resp: 366989
Ion Ratio Lower Upper
106 100
91 212.6 104.7 313.9



#70
Styrene
Concen: 54.178 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion:104 Resp: 660333
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.3 43.8 65.8





#71

Bromoform

Concen: 52.682 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

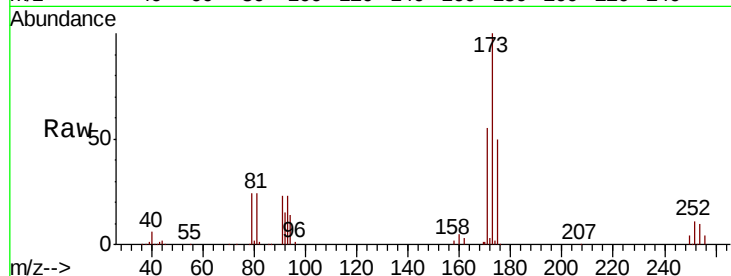
Tot Ion:173 Resp: 117533

Ion Ratio Lower Upper

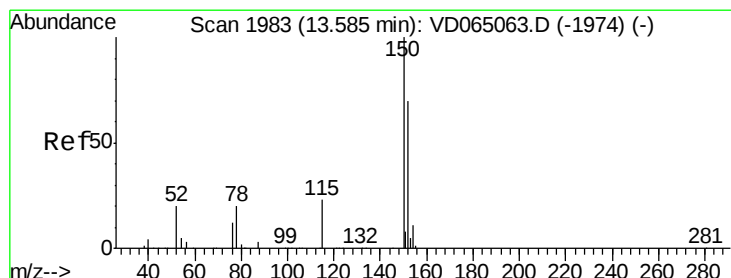
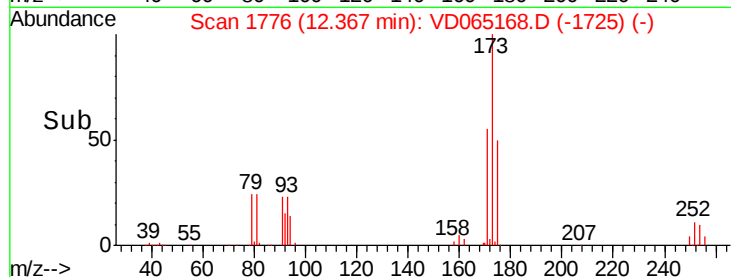
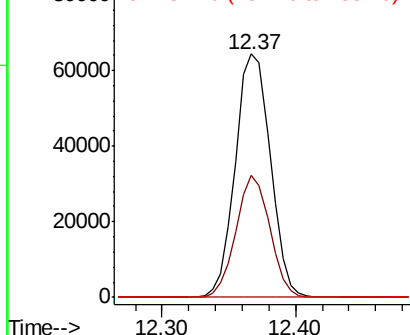
173 100

175 48.4 24.3 72.8

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

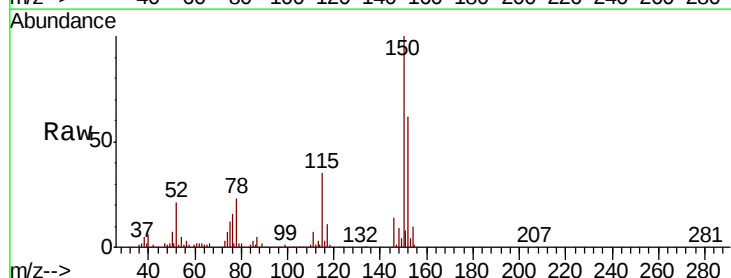
Tgt Ion:152 Resp: 288333

Ion Ratio Lower Upper

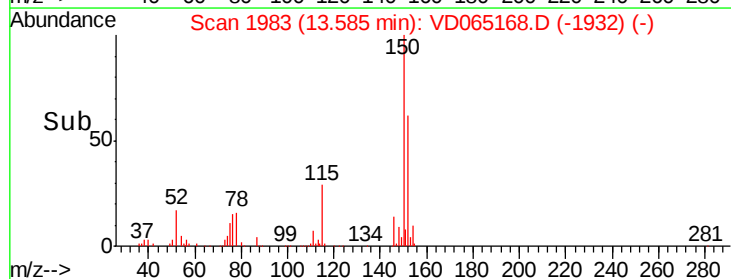
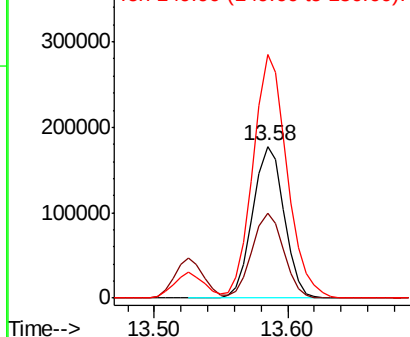
152 100

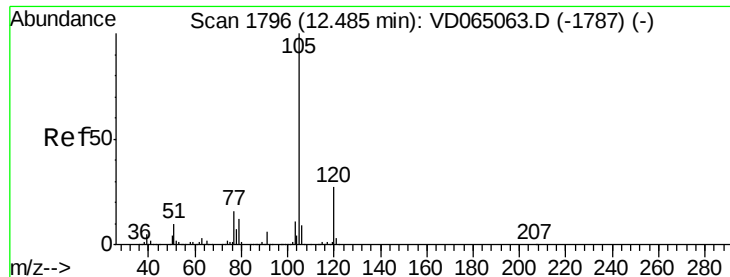
115 55.8 27.5 82.4

150 173.5 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.517 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

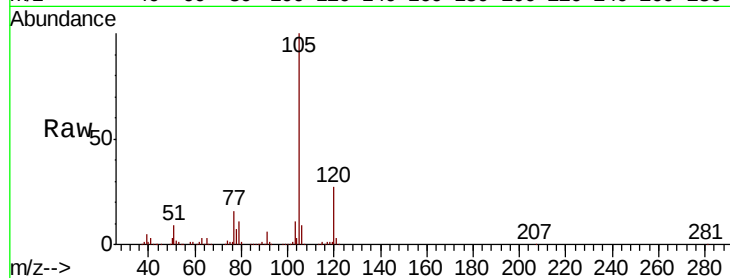
ClientSampleId :

Tot Ion: 105 Resp: 999741

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

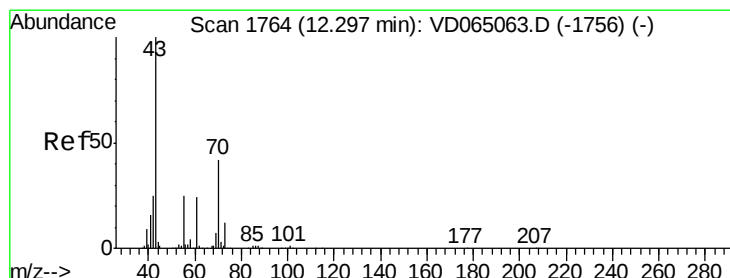
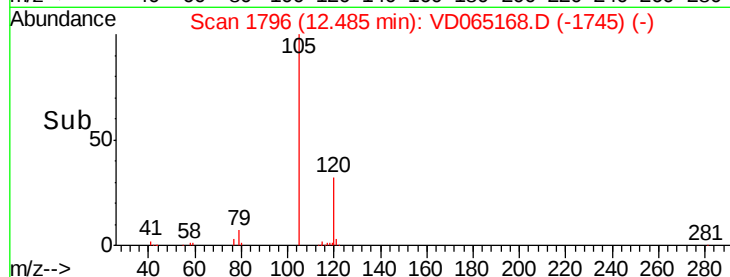
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.306 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion: 43 Resp: 216391

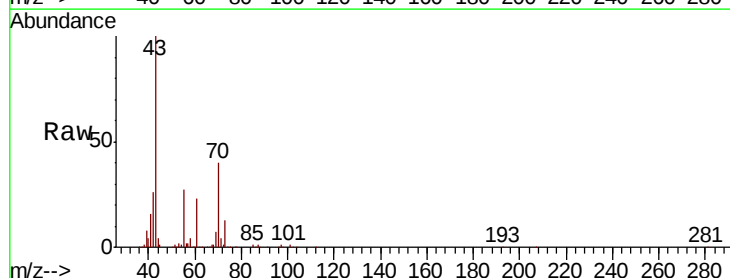
Ion Ratio Lower Upper

43 100

70 42.8 33.5 50.3

55 26.5 19.4 29.2

61 23.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

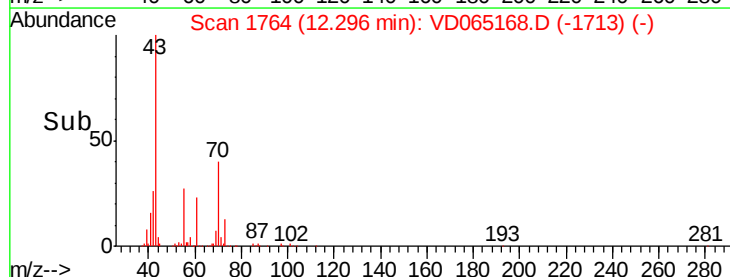
150000

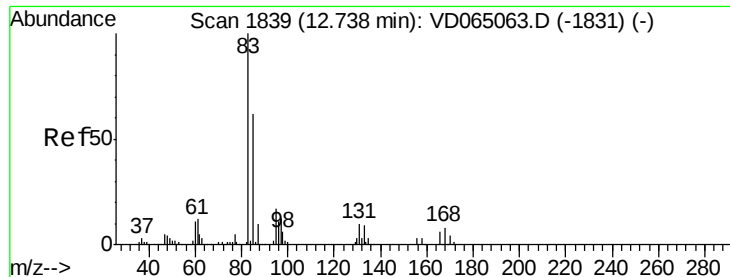
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.424 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

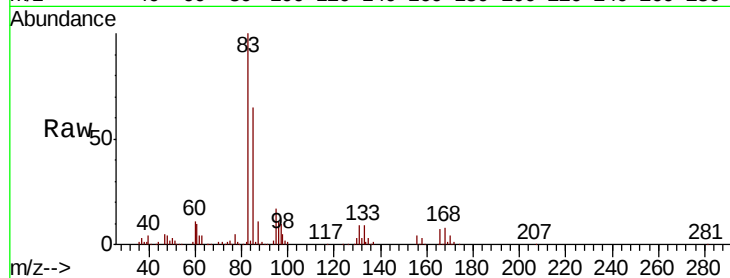
Tot Ion: 83 Resp: 163281

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

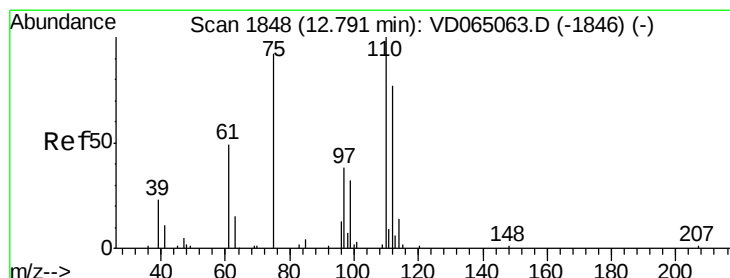
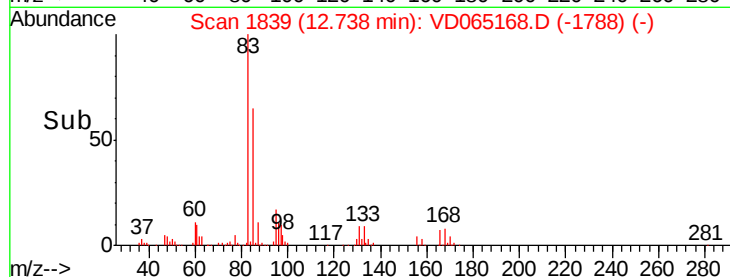
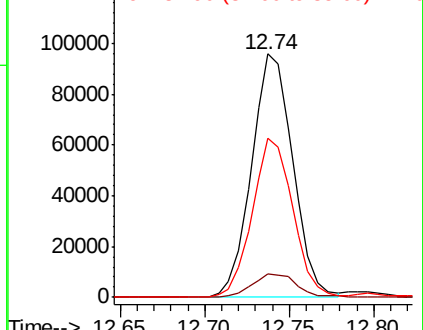
85 64.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 98.992 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065168.D

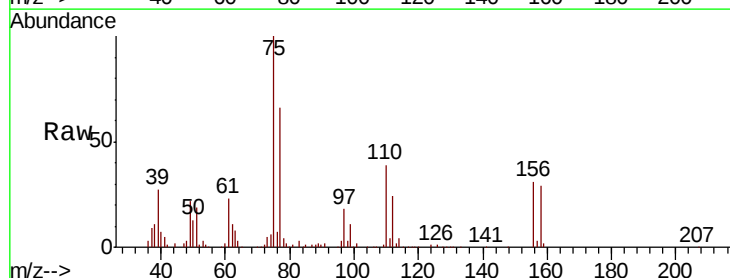
Acq: 12 Feb 2020 17:42

Tgt Ion: 75 Resp: 216097

Ion Ratio Lower Upper

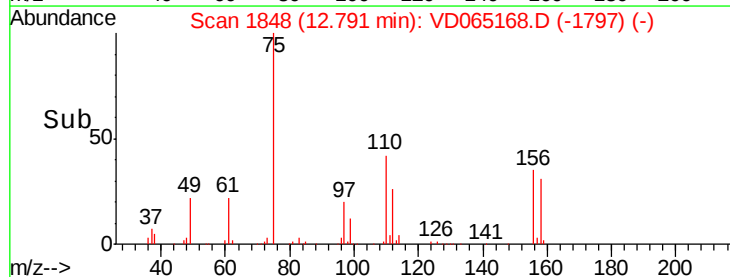
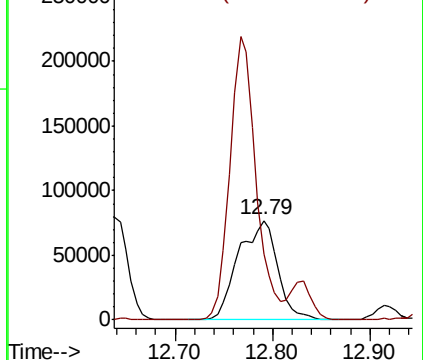
75 100

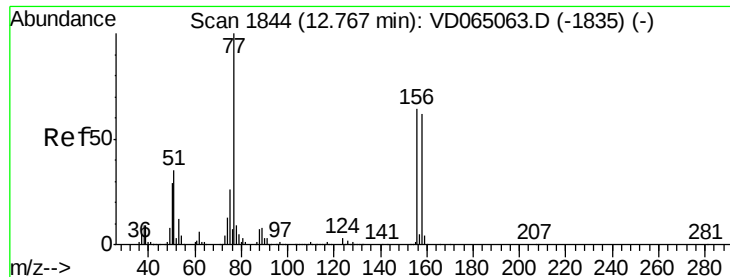
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.320 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

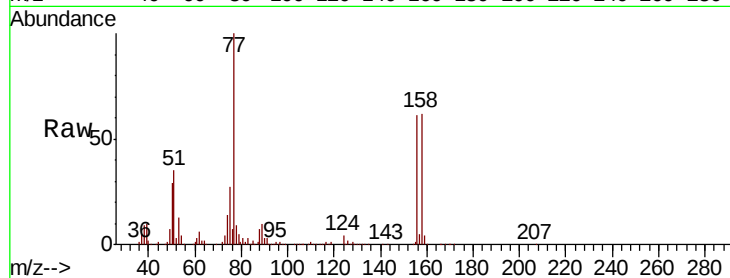
Tot Ion:156 Resp: 235163

Ion Ratio Lower Upper

156 100

77 173.1 85.6 256.8

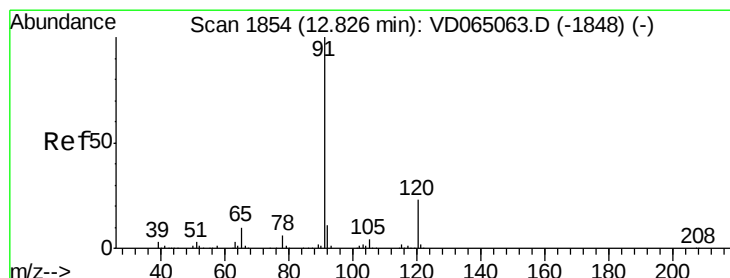
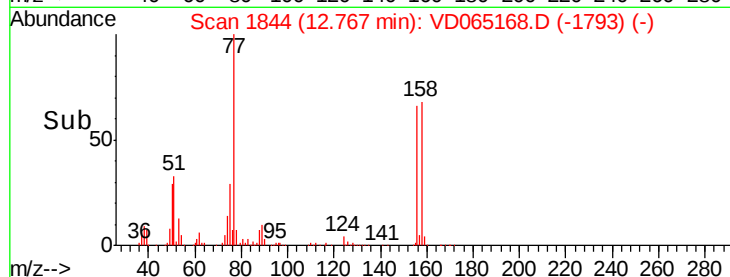
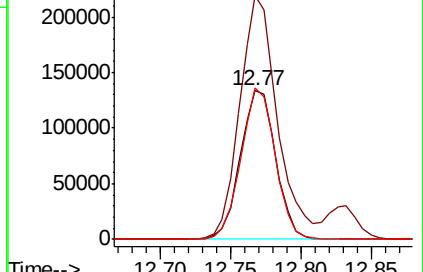
158 98.0 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.636 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065168.D

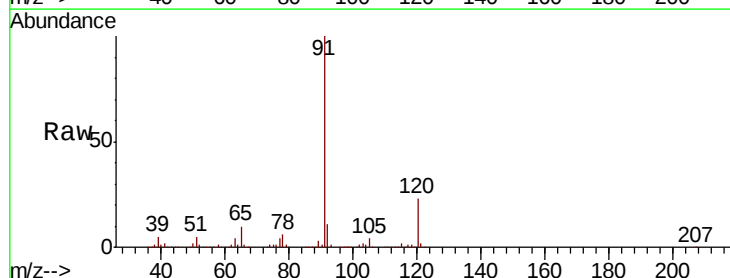
Acq: 12 Feb 2020 17:42

Tgt Ion: 91 Resp: 1196706

Ion Ratio Lower Upper

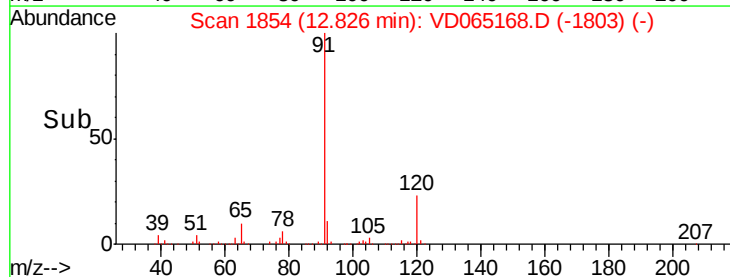
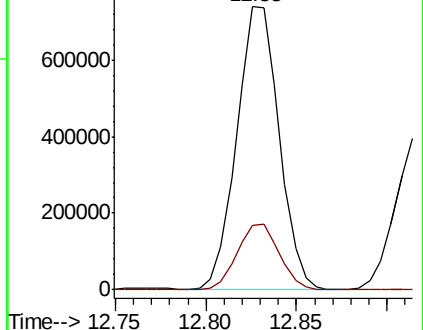
91 100

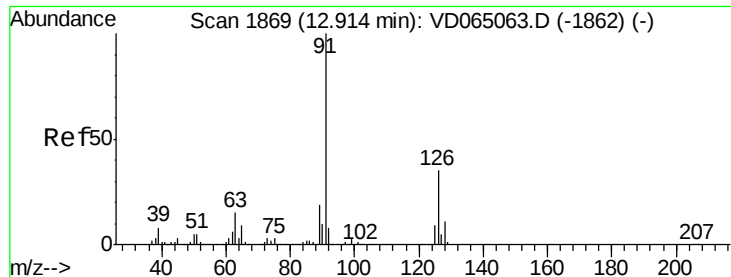
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

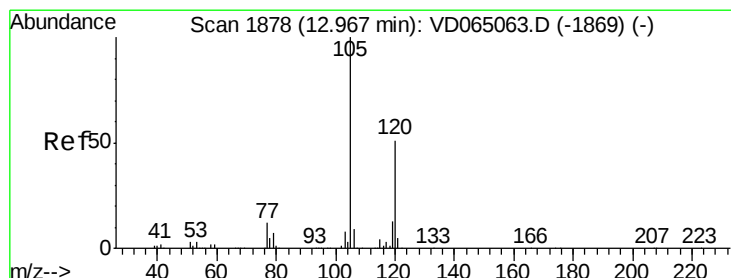
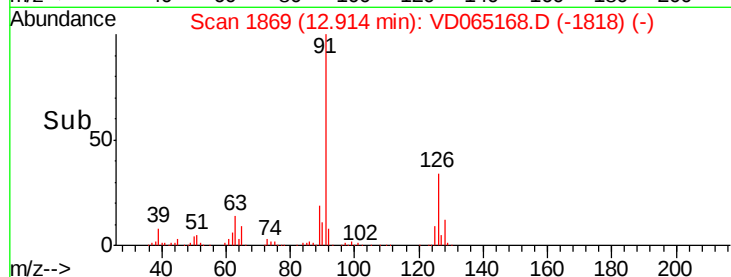
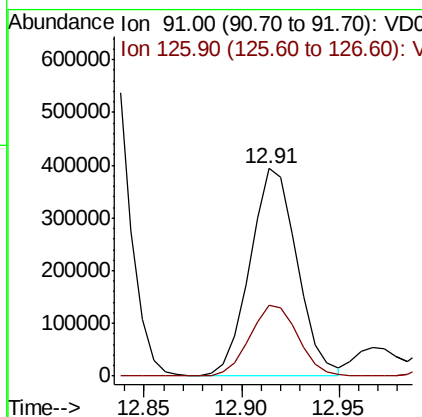
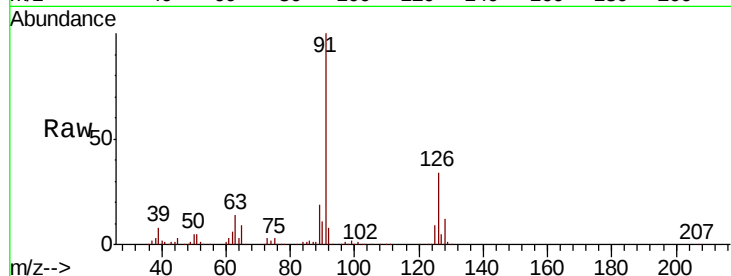




#79
 2-Chlorotoluene
 Concen: 50.826 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

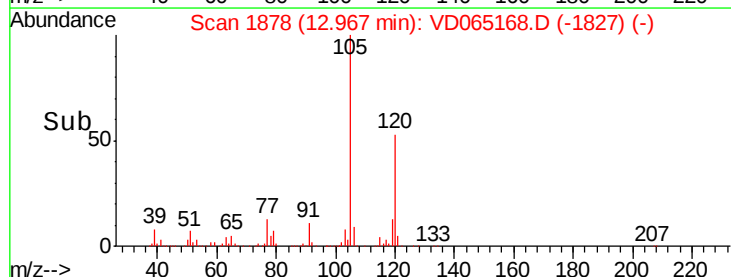
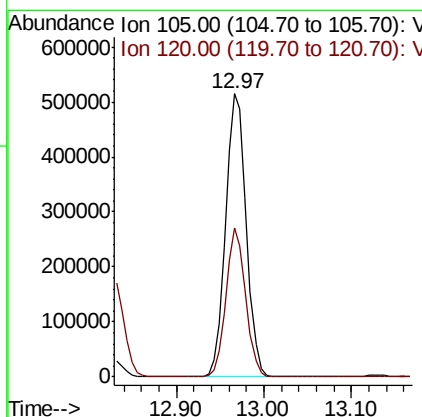
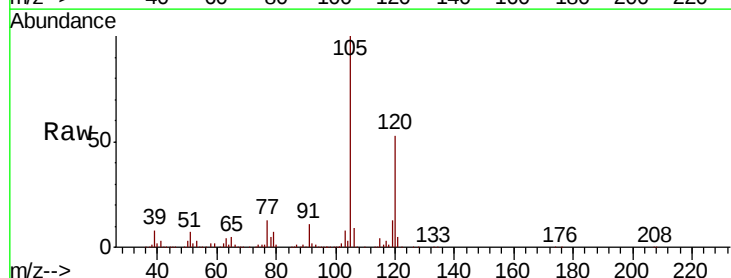
Instrument :
 MSVOA_D
 ClientSampleId :

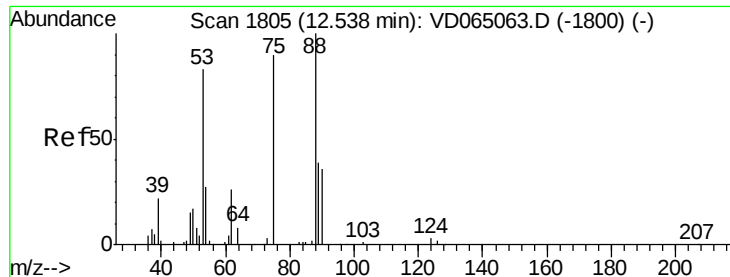
Tot Ion: 91 Resp: 656593
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 51.205 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion: 105 Resp: 829027
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.686 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

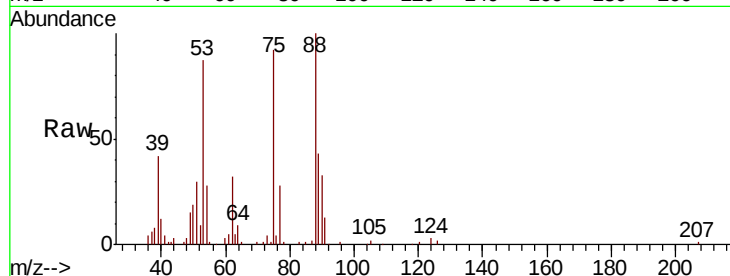
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 56417

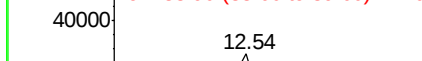
Ion	Ratio	Lower	Upper
75	100		
53	97.0	78.5	117.7
89	45.5	37.0	55.4



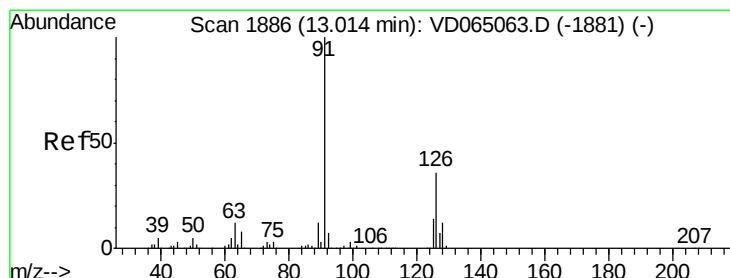
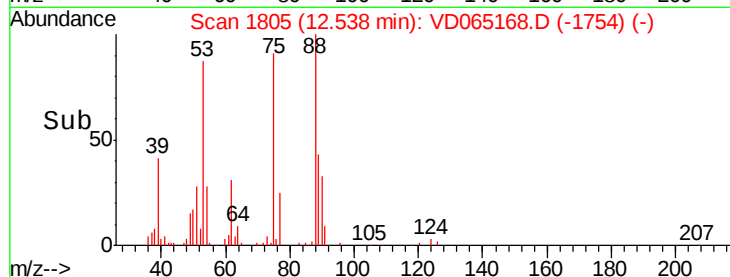
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



Time-->



#82

4-Chlorotoluene

Concen: 50.657 ug/l

RT: 13.01 min Scan# 1886

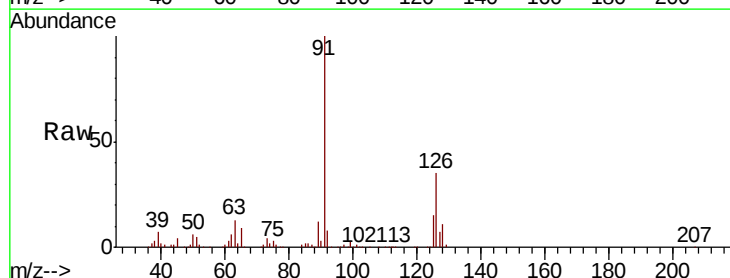
Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

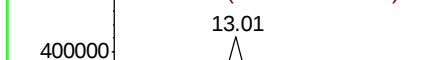
Tgt Ion: 91 Resp: 687300

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5

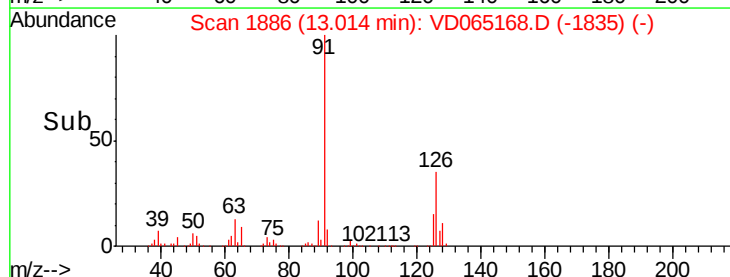


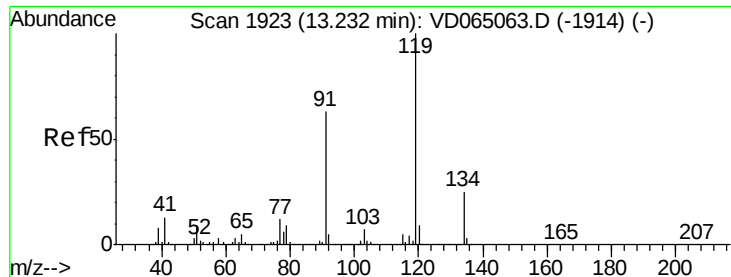
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V



Time-->

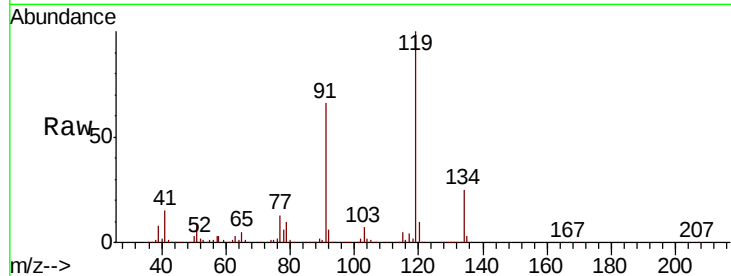




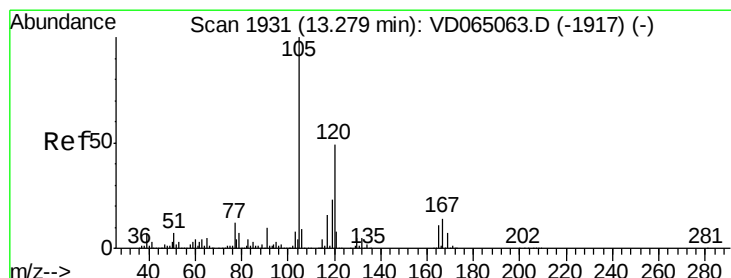
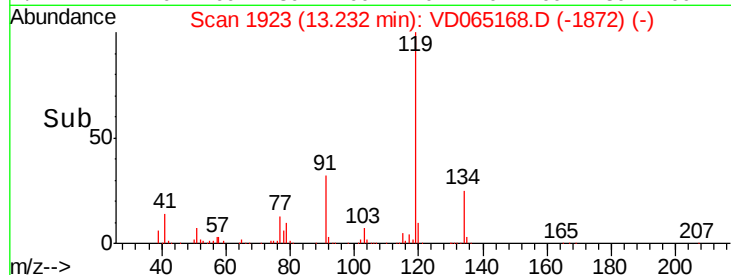
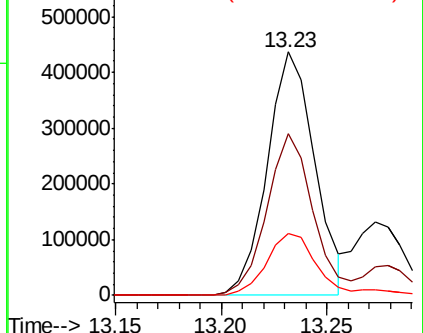
#83
tert-Butylbenzene
Concen: 48.930 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 683450
Ion Ratio Lower Upper
119 100
91 64.8 32.3 96.9
134 28.0 13.8 41.3

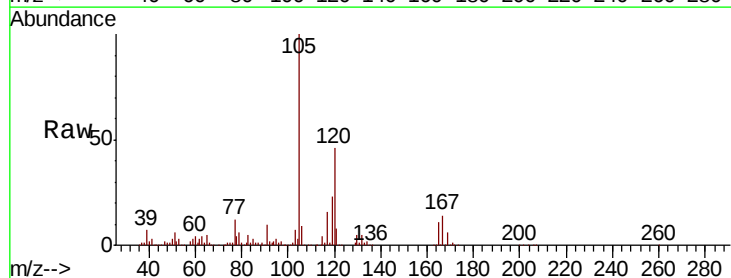


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

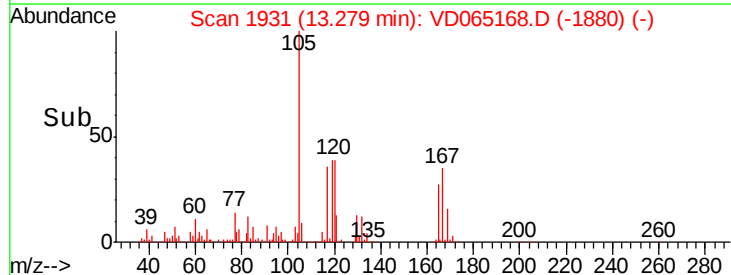
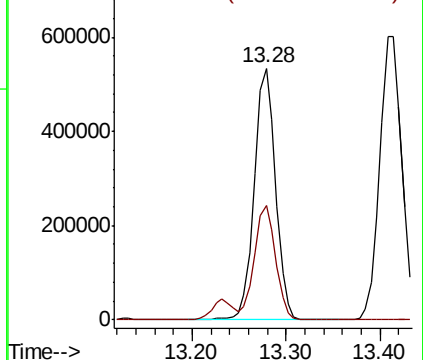


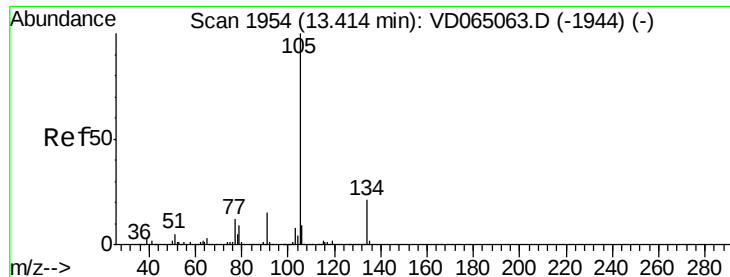
#84
1,2,4-Trimethylbenzene
Concen: 52.104 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion:105 Resp: 837485
Ion Ratio Lower Upper
105 100
120 45.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.149 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

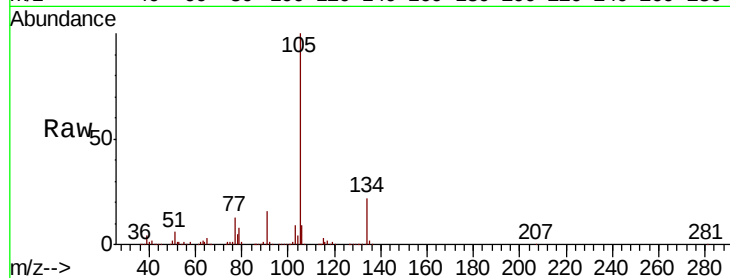
ClientSampleId :

Tot Ion:105 Resp: 975801

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

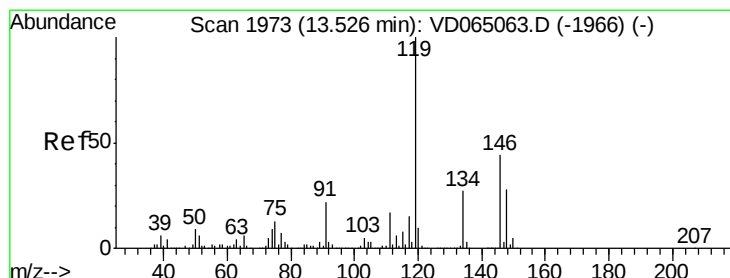
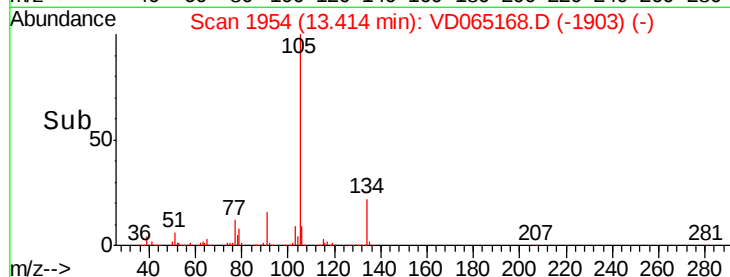
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 51.820 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

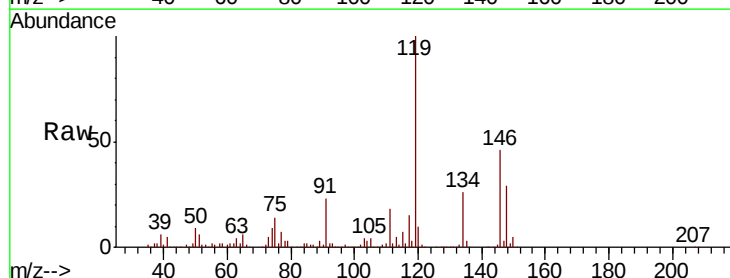
Tgt Ion:119 Resp: 918532

Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.5

91 22.4 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

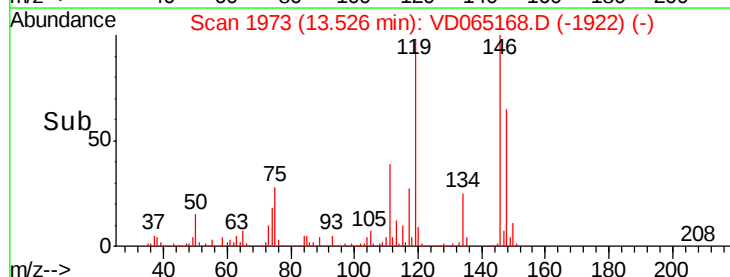
600000

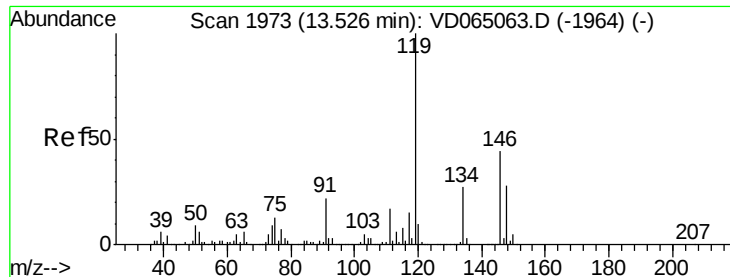
400000

200000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 51.658 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

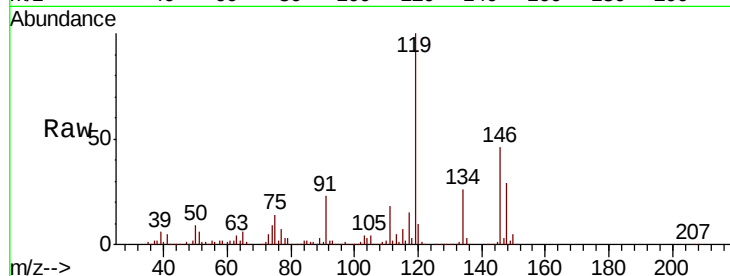
Tot Ion:146 Resp: 461172

Ion Ratio Lower Upper

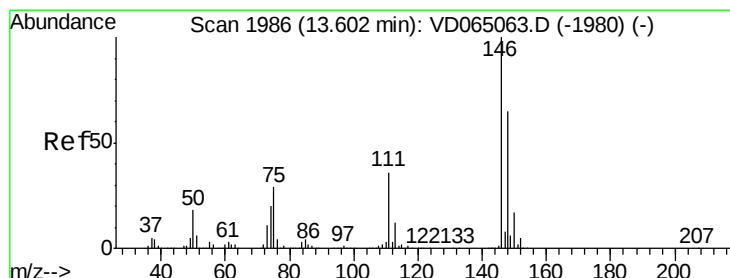
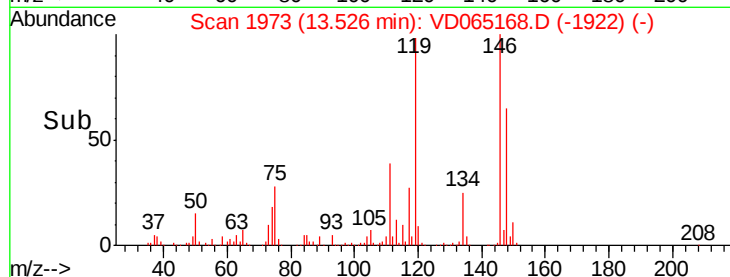
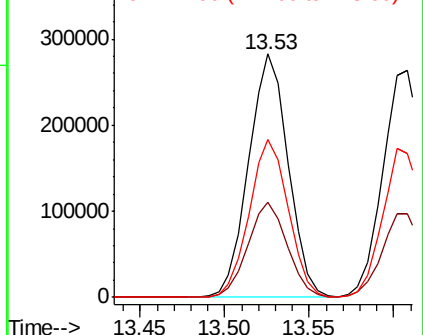
146 100

111 38.6 19.4 58.4

148 63.9 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.948 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

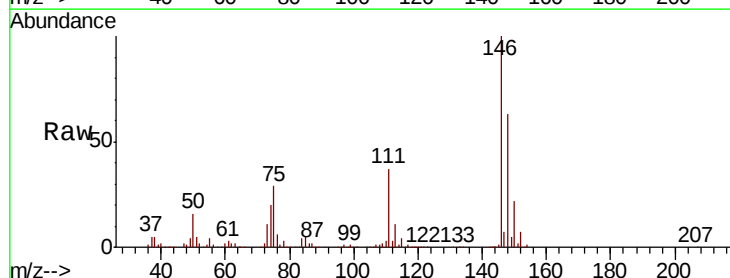
Tgt Ion:146 Resp: 443806

Ion Ratio Lower Upper

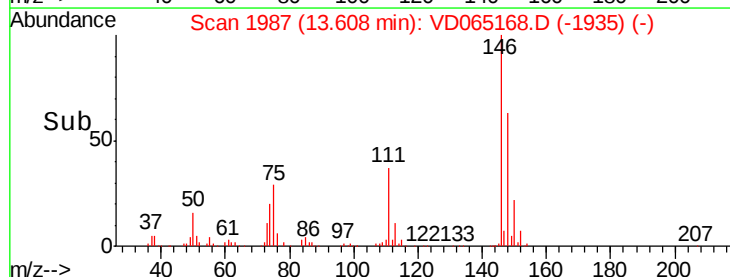
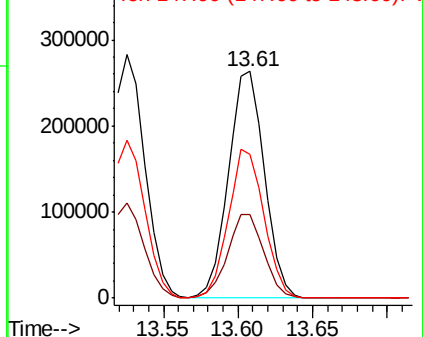
146 100

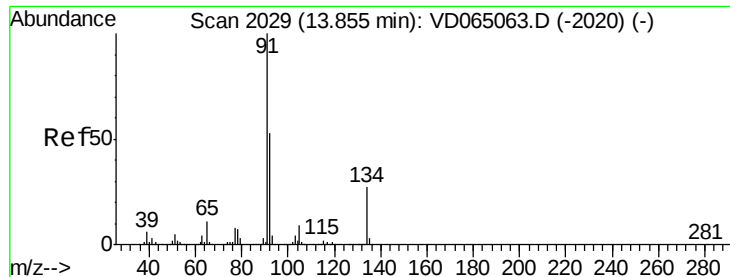
111 37.3 18.5 55.5

148 64.8 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.130 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

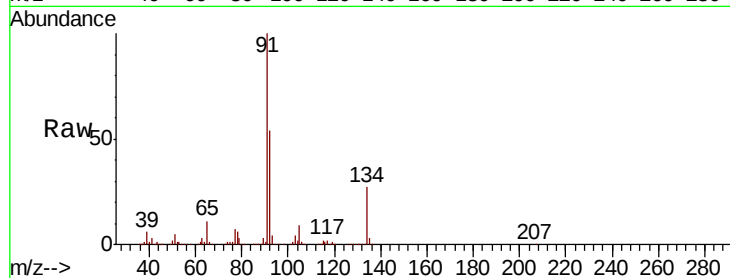
Tot Ion: 91 Resp: 836497

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.1
134	26.5	13.4	40.2

91 100

92 53.7 26.7 80.1

134 26.5 13.4 40.2

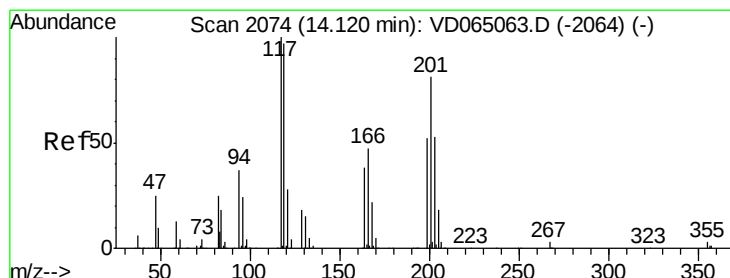
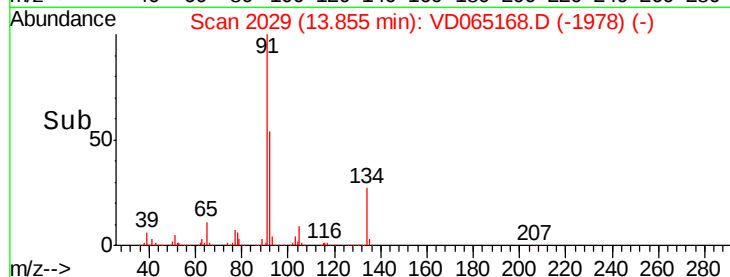
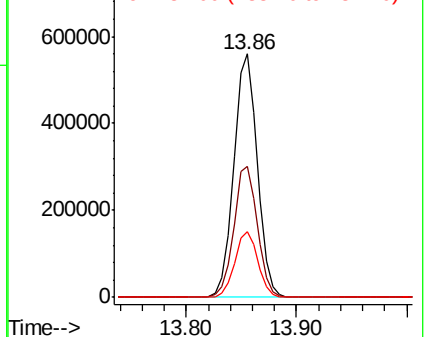


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 52.440 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065168.D

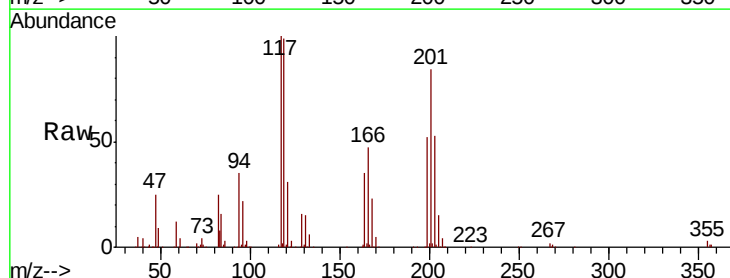
Acq: 12 Feb 2020 17:42

Tgt Ion: 117 Resp: 176011

Ion	Ratio	Lower	Upper
117	100		
201	82.5	42.5	127.6

117 100

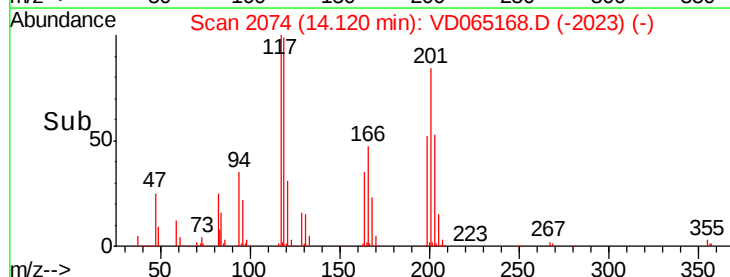
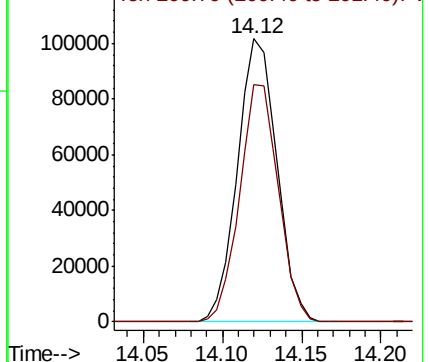
201 82.5 42.5 127.6

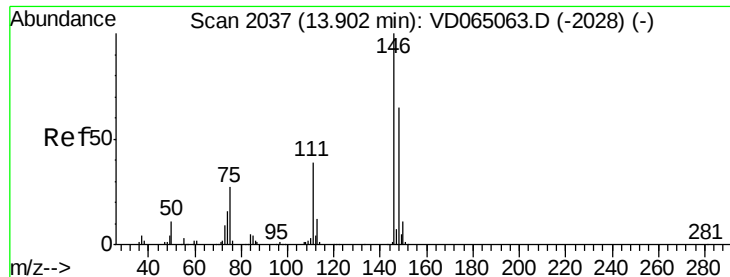


Abundance

Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

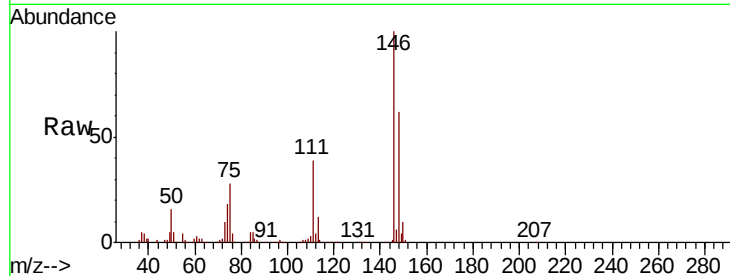




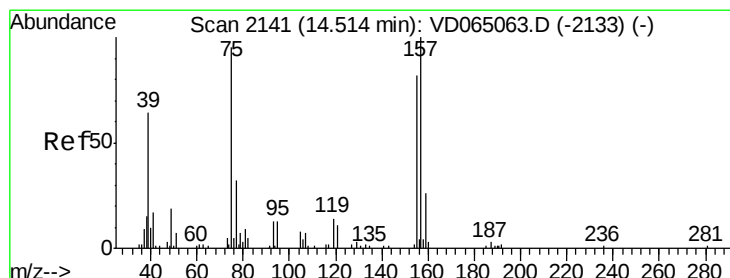
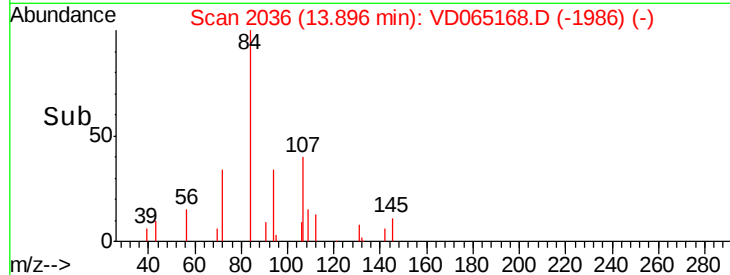
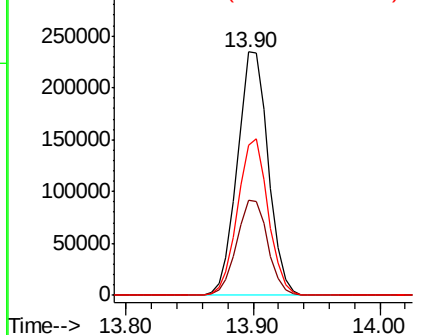
#91
 1,2-Dichlorobenzene
 Concen: 51.827 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.2	31.9	95.5

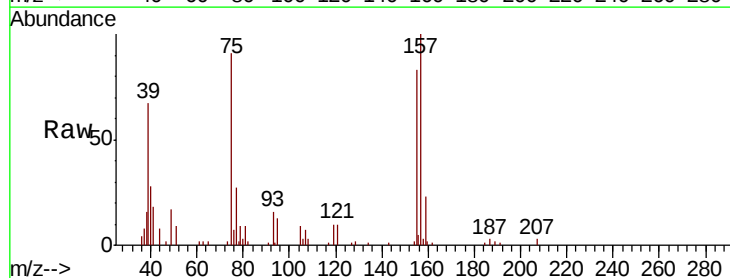


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

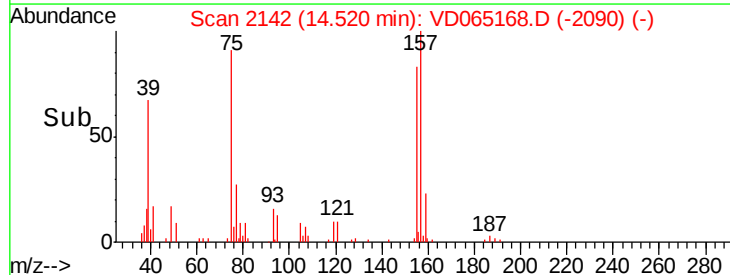
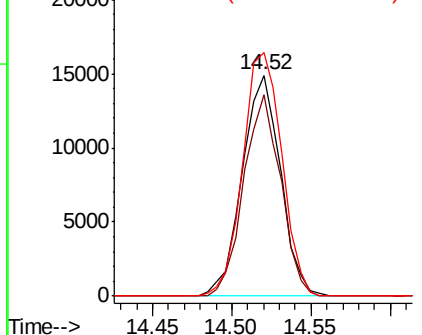


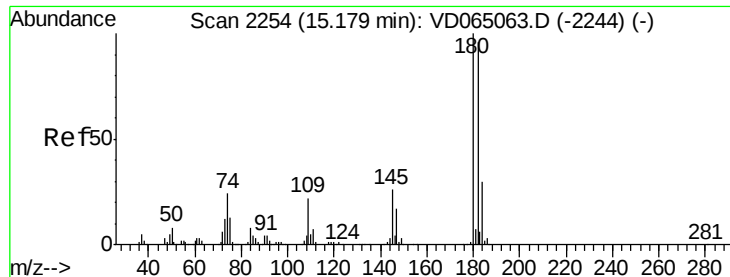
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.197 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	43.4	130.1
157	112.6	55.8	167.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

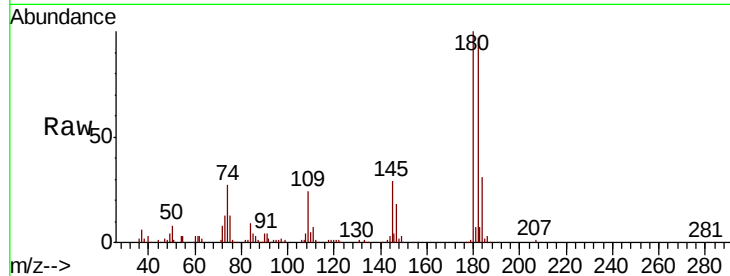




#93
 1,2,4-Trichlorobenzene
 Concen: 47.844 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.4	142.3
145	29.1	14.1	42.4

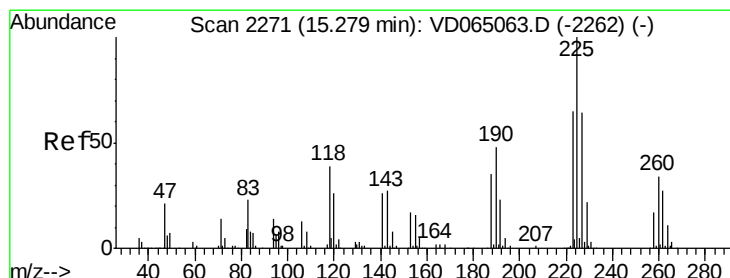
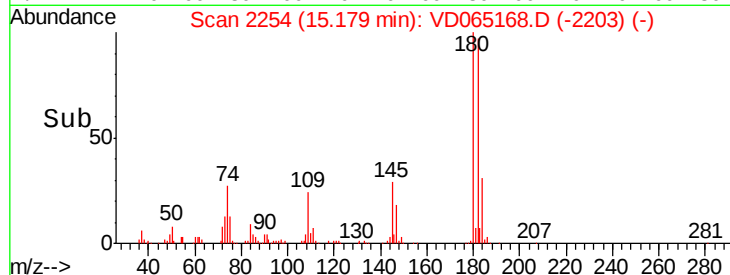
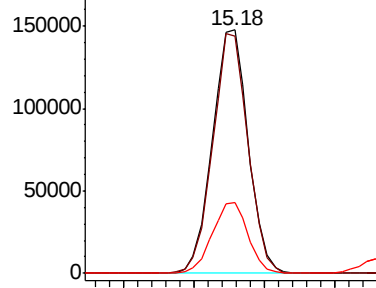


Abundance

Ion 179.80 (179.50 to 180.50): V

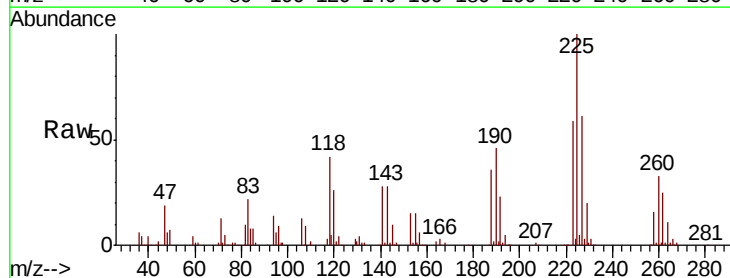
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.740 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.0
227	63.1	31.8	95.3

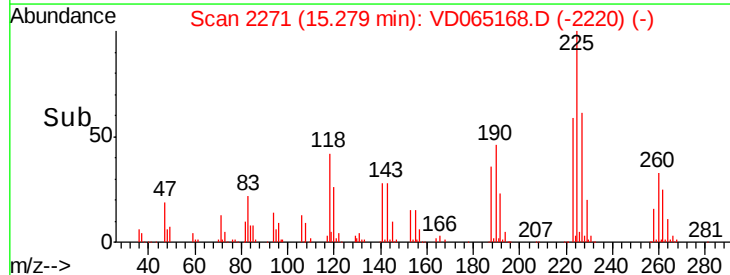
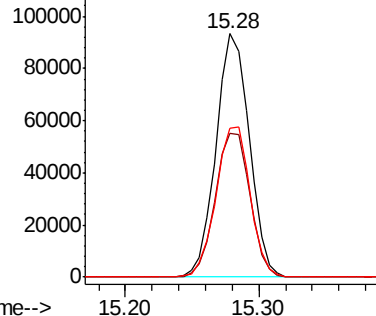


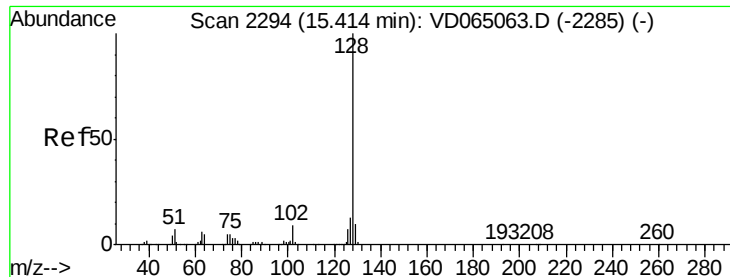
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

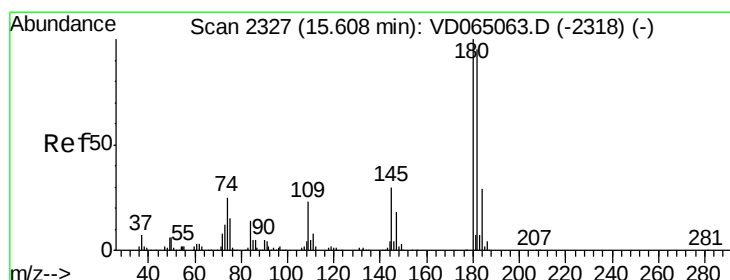
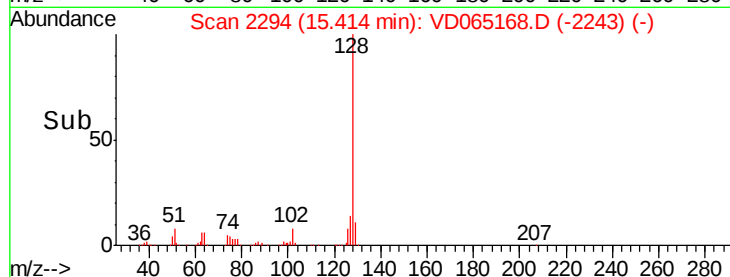
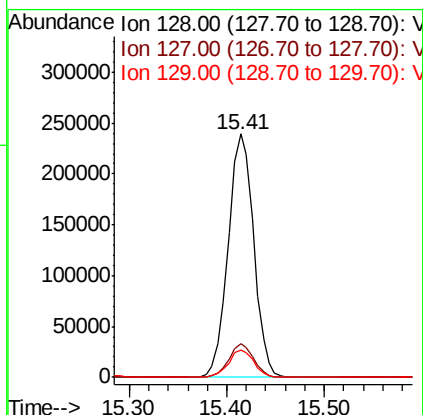
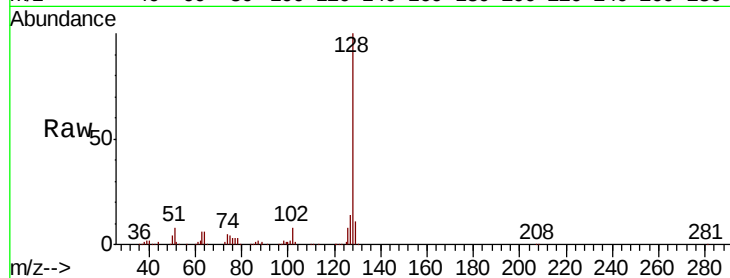




#95
Naphthalene
Concen: 47.691 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 433214
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.155 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion:180 Resp: 225115
Ion Ratio Lower Upper
180 100
182 95.9 47.1 141.4
145 30.6 14.9 44.9

