

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
 Data File : VD065065.D
 Acq On : 05 Feb 2020 15:31
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 05 15:47:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	571243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	853152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	367392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	752449	140.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.24%	
35) Dibromofluoromethane	7.92	113	730448	138.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.52%	
50) Toluene-d8	10.34	98	2917747	143.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.36%	
62) 4-Bromofluorobenzene	12.64	95	921754	146.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	644049	146.39	ug/l	99
3) Chloromethane	2.21	50	777675	125.57	ug/l	98
4) Vinyl Chloride	2.35	62	812832	115.15	ug/l	99
5) Bromomethane	2.75	94	542313	114.78	ug/l	99
6) Chloroethane	2.91	64	521082	112.93	ug/l	97
7) Trichlorofluoromethane	3.27	101	1187729	109.76	ug/l	99
8) Diethyl Ether	3.70	74	355389	141.18	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	696983	132.77	ug/l	99
10) Methyl Iodide	4.30	142	960518	171.74	ug/l	98
11) Tert butyl alcohol	5.26	59	211733	719.74	ug/l	98
12) 1,1-Dichloroethene	4.06	96	691143	138.02	ug/l	99
13) Acrolein	3.92	56	259393	690.37	ug/l	96
14) Allyl chloride	4.71	41	1216928	151.64	ug/l	100
15) Acrylonitrile	5.43	53	806835	740.46	ug/l	100
16) Acetone	4.17	43	899255	780.12	ug/l	99
17) Carbon Disulfide	4.40	76	2264359	137.85	ug/l	98
18) Methyl Acetate	4.73	43	369870	145.19	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	1680960	151.77	ug/l	98
20) Methylene Chloride	4.96	84	761261	119.68	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	810278	141.38	ug/l	97
22) Diisopropyl ether	6.37	45	2361315	149.33	ug/l	98
23) Vinyl Acetate	6.31	43	6928689	756.02	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1371904	141.42	ug/l	99
25) 2-Butanone	7.22	43	1117917	767.32	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1187878	134.19	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	896498	146.16	ug/l	98
28) Bromochloromethane	7.55	49	553641	147.60	ug/l	99
29) Tetrahydrofuran	7.57	42	651244	721.56	ug/l	100
30) Chloroform	7.71	83	1377957	137.94	ug/l	98
31) Cyclohexane	7.99	56	1248431	129.89	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1245479	133.92	ug/l	100
36) 1,1-Dichloropropene	8.11	75	1095839	133.42	ug/l	100
37) Ethyl Acetate	7.30	43	471086	139.37	ug/l	99
38) Carbon Tetrachloride	8.10	117	1131322	131.27	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1337954	138.16	ug/l	99
40) Benzene	8.36	78	3179283	140.68	ug/l	100
41) Methacrylonitrile	7.54	41	268422	150.86	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	896593	134.20	ug/l	99
43) Isopropyl Acetate	8.46	43	929140	144.76	ug/l	99
44) Trichloroethene	9.11	130	873203	137.17	ug/l	95
45) 1,2-Dichloropropane	9.39	63	765456	139.38	ug/l	95
46) Dibromomethane	9.48	93	402756	135.39	ug/l	99
47) Bromodichloromethane	9.67	83	1059345	136.79	ug/l	100
48) Methyl methacrylate	9.46	41	441544	149.50	ug/l	99
49) 1,4-Dioxane	9.47	88	93913	2747.01	ug/l	99
51) 4-Methyl-2-Pentanone	10.24	43	2271653	711.76	ug/l	98
52) Toluene	10.41	92	2047451	140.38	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1061656	143.85	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	1245767	143.58	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	548338	136.97	ug/l	96
56) Ethyl methacrylate	10.67	69	738217	153.67	ug/l	100
57) 1,3-Dichloropropane	10.95	76	964006	140.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	1075232	642.61	ug/l	99
59) 2-Hexanone	10.99	43	1666440	754.38	ug/l	99
60) Dibromochloromethane	11.14	129	724327	135.79	ug/l	99
61) 1,2-Dibromoethane	11.25	107	537398	139.10	ug/l	100
64) Tetrachloroethene	10.88	164	776783	138.20	ug/l	98
65) Chlorobenzene	11.68	112	2104789	133.44	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	796247	134.84	ug/l	99
67) Ethyl Benzene	11.75	91	3839768	137.34	ug/l	99
68) m/p-Xylenes	11.86	106	2951631	274.30	ug/l	98
69) o-Xylene	12.18	106	1355740	141.62	ug/l	100
70) Styrene	12.20	104	2393486	141.31	ug/l	100
71) Bromoform	12.37	173	430169	132.40	ug/l #	99
73) Isopropylbenzene	12.48	105	3549877	141.06	ug/l	99
74) N-amyl acetate	12.30	43	833797	148.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	562421	134.36	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	778538	262.04	ug/l #	100
77) Bromobenzene	12.77	156	869414	141.61	ug/l	99
78) n-propylbenzene	12.83	91	4109021	137.42	ug/l	100
79) 2-Chlorotoluene	12.91	91	2333194	141.99	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2933620	142.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	205195	144.04	ug/l	99
82) 4-Chlorotoluene	13.01	91	2458734	141.22	ug/l	100
83) tert-Butylbenzene	13.23	119	2534378	145.04	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	2930425	140.75	ug/l	100
85) sec-Butylbenzene	13.41	105	3367556	135.70	ug/l	99
86) p-Isopropyltoluene	13.53	119	3198708	138.39	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1622006	138.01	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	1583544	135.78	ug/l	98
89) n-Butylbenzene	13.86	91	2891604	137.06	ug/l	98
90) Hexachloroethane	14.12	117	587844	132.19	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1372200	137.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	91890	136.30	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:24:15 2020
Response via : Initial Calibration

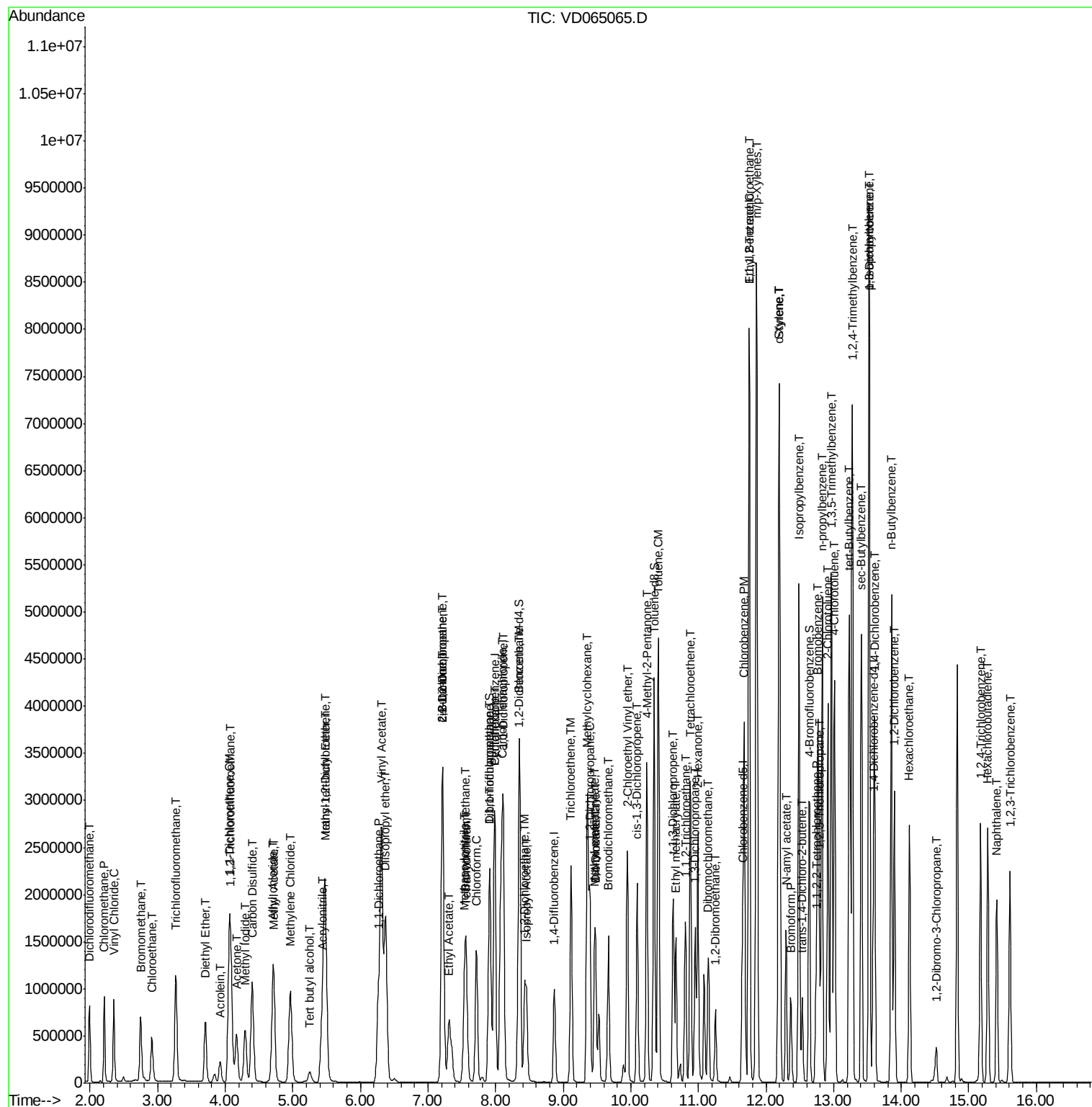
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	972220	140.01	ug/l	100
94) Hexachlorobutadiene	15.28	225	569617	129.69	ug/l	100
95) Naphthalene	15.41	128	1706079	152.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	837073	140.24	ug/l	99

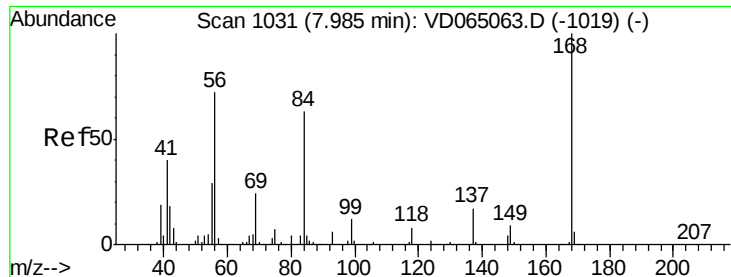
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

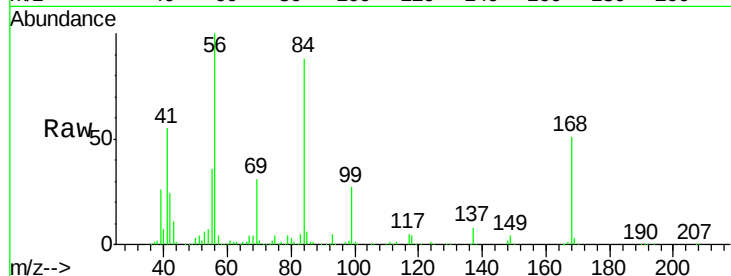
VSTDIC150

Tgt Ion:168 Resp: 571243

Ion Ratio Lower Upper

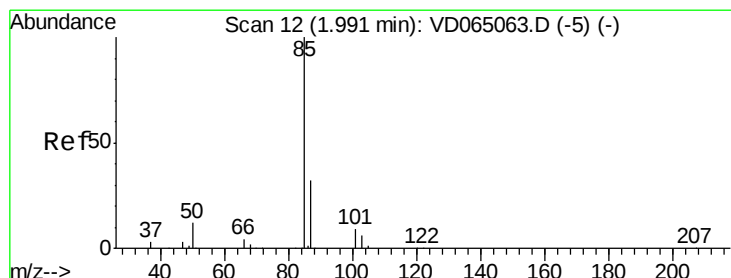
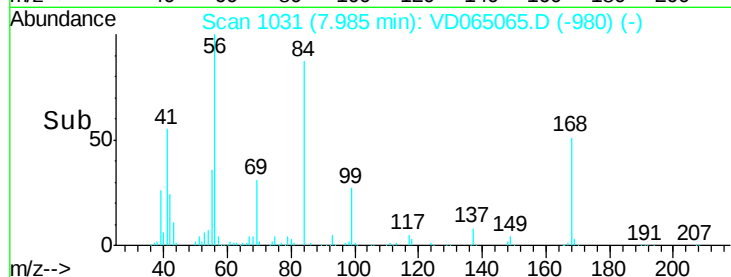
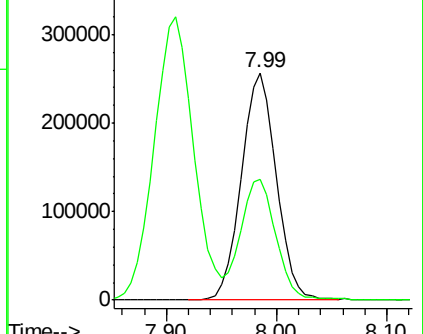
168 100

99 52.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 146.39 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065065.D

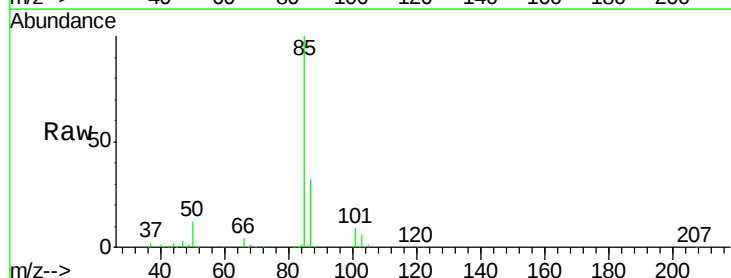
Acq: 05 Feb 2020 15:31

Tgt Ion: 85 Resp: 644049

Ion Ratio Lower Upper

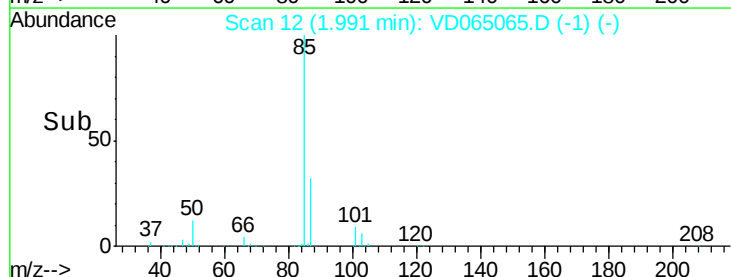
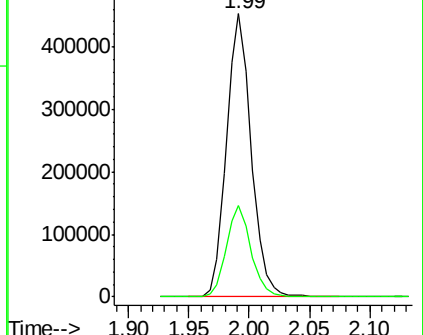
85 100

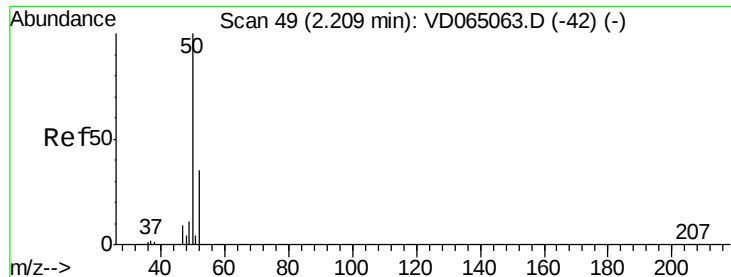
87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 125.57 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

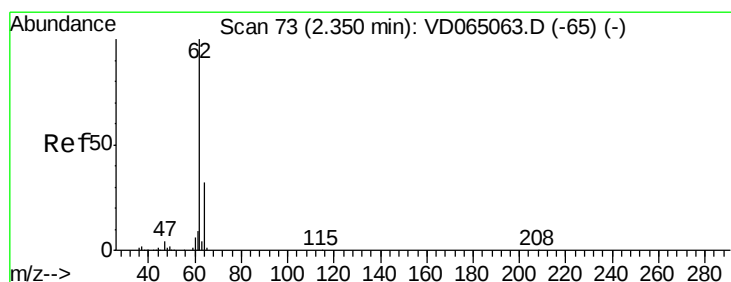
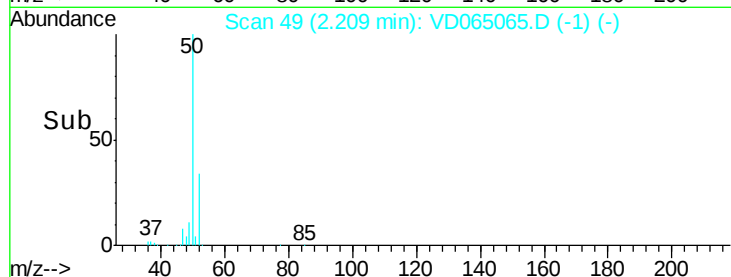
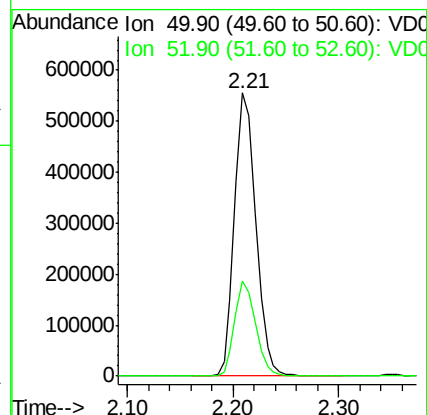
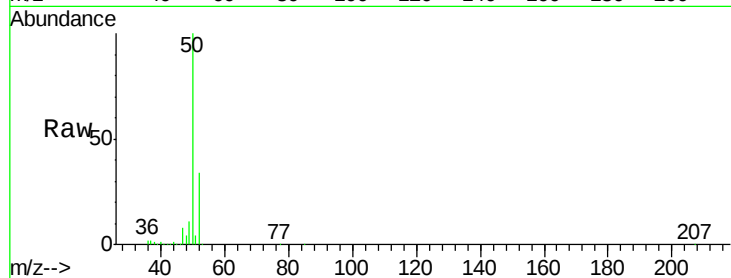
VSTDIC150

Tgt Ion: 50 Resp: 777675

Ion Ratio Lower Upper

50 100

52 33.7 27.8 41.6



#4

Vinyl Chloride

Concen: 115.15 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065065.D

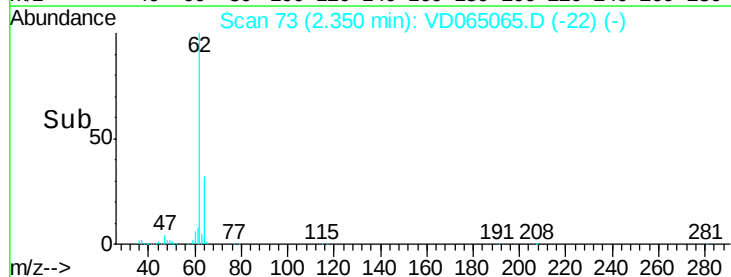
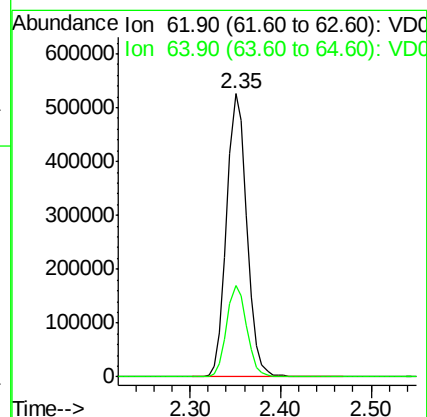
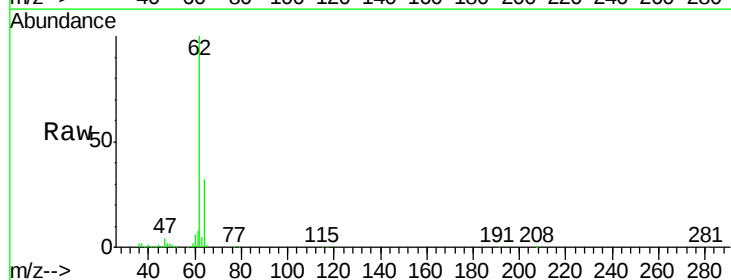
Acq: 05 Feb 2020 15:31

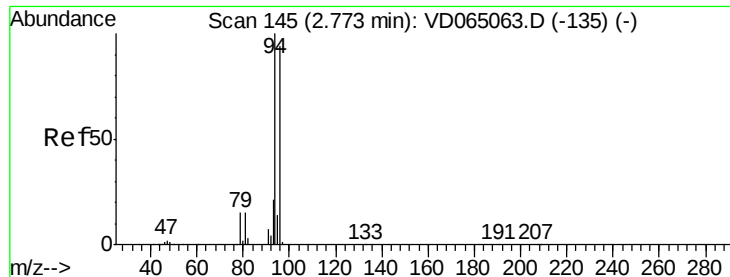
Tgt Ion: 62 Resp: 812832

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9





#5

Bromomethane

Concen: 114.78 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

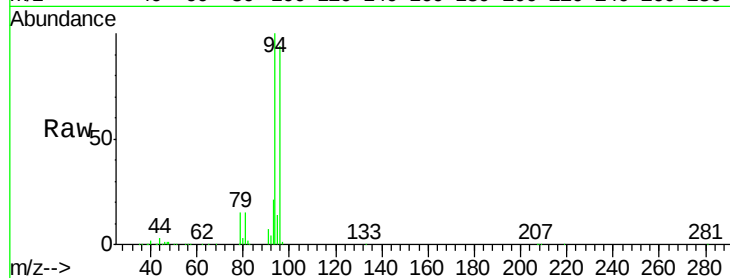
VSTDIC150

Tgt Ion: 94 Resp: 542313

Ion Ratio Lower Upper

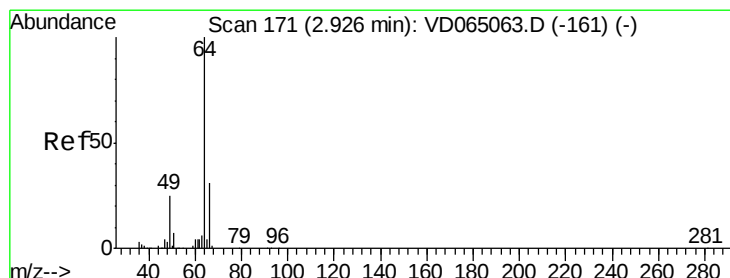
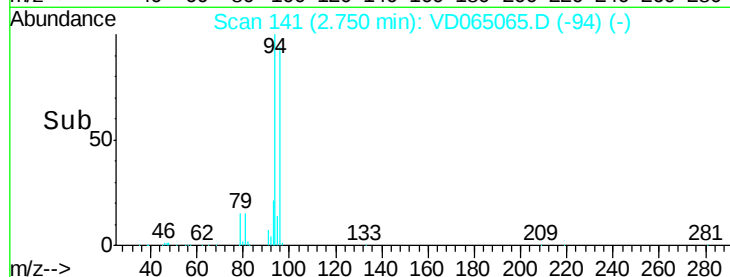
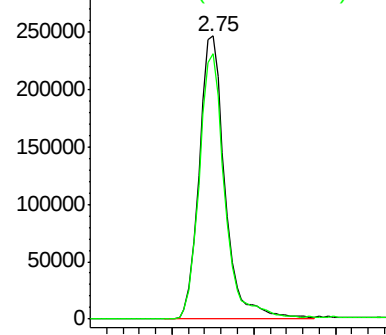
94 100

96 93.6 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: 112.93 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065065.D

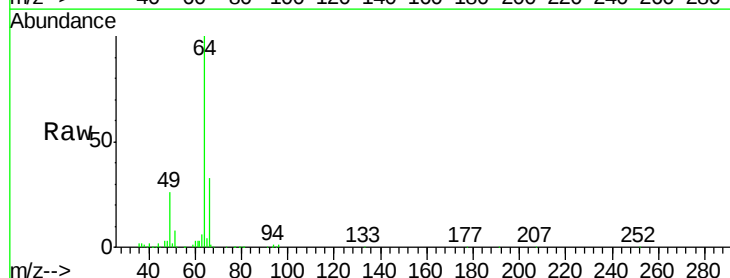
Acq: 05 Feb 2020 15:31

Tgt Ion: 64 Resp: 521082

Ion Ratio Lower Upper

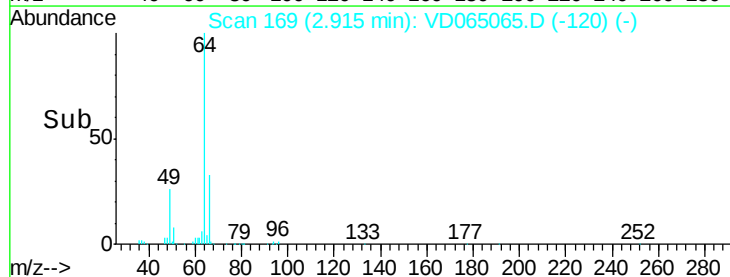
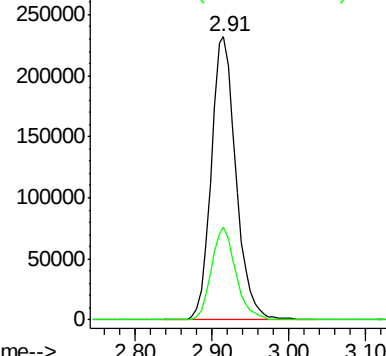
64 100

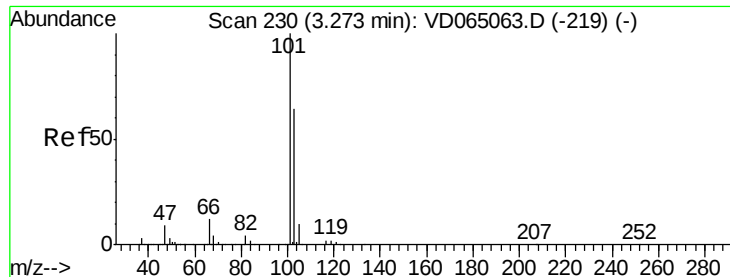
66 32.8 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



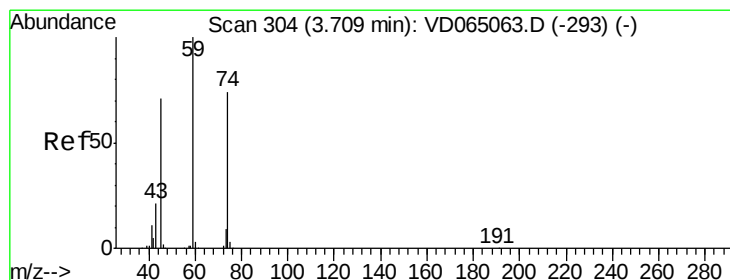
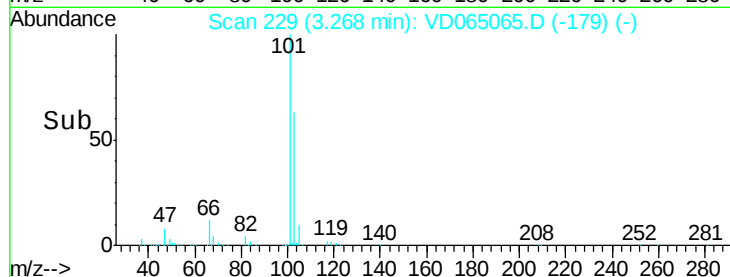
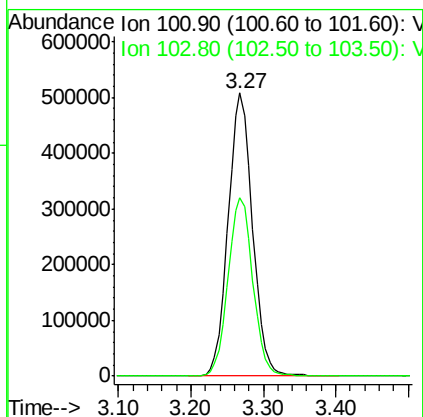
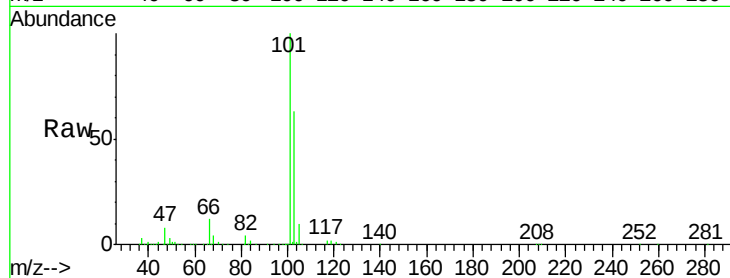


#7

Trichlorofluoromethane
Concen: 109.76 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

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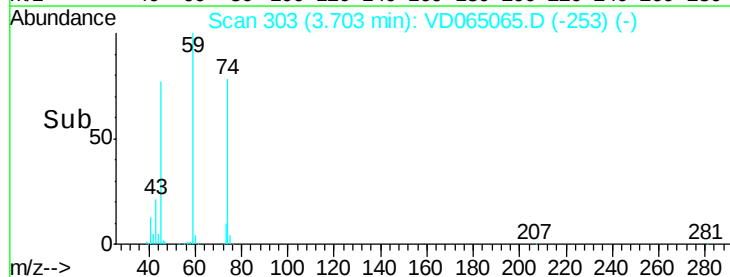
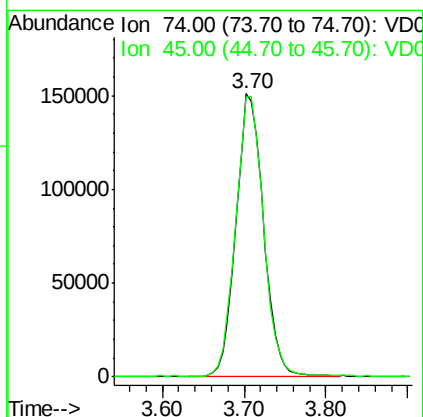
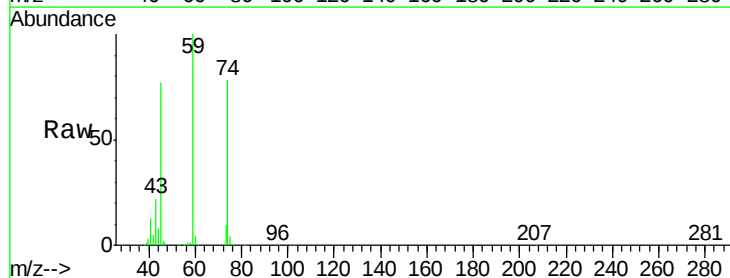
Tgt Ion: 101 Resp: 1187729
Ion Ratio Lower Upper
101 100
103 63.0 51.0 76.6

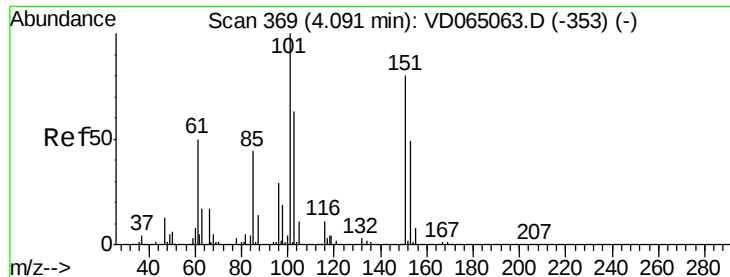


#8

Diethyl Ether
Concen: 141.18 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 74 Resp: 355389
Ion Ratio Lower Upper
74 100
45 99.3 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 132.77 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

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VSTDIC150

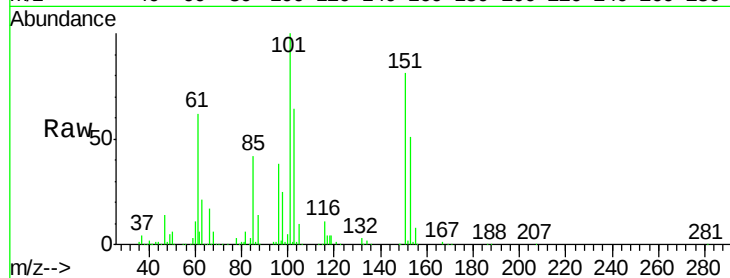
Tgt Ion:101 Resp: 696983

Ion Ratio Lower Upper

101 100

85 43.2 34.0 51.0

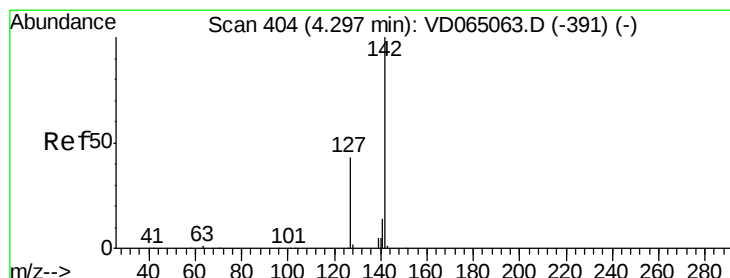
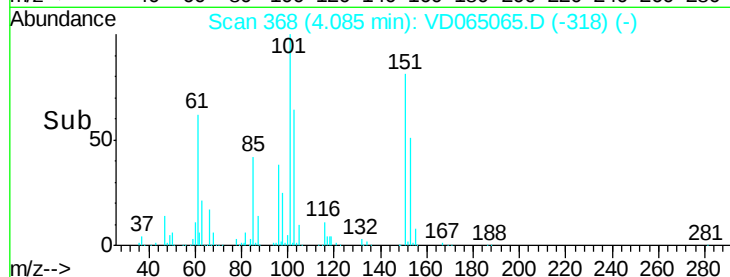
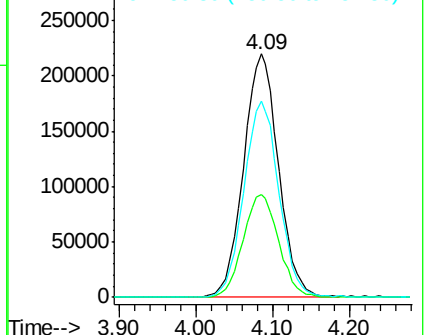
151 81.2 64.0 96.0



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: 171.74 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

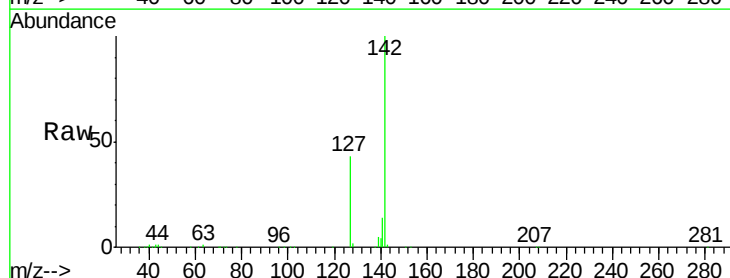
Tgt Ion:142 Resp: 960518

Ion Ratio Lower Upper

142 100

127 44.5 34.0 51.0

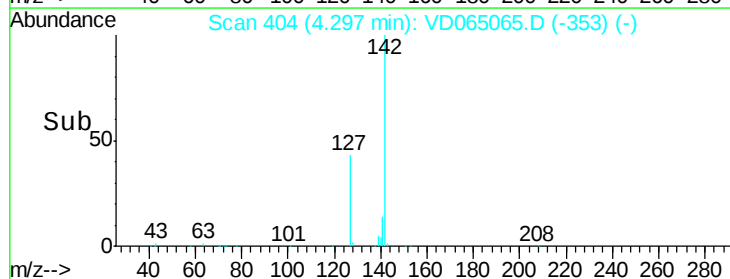
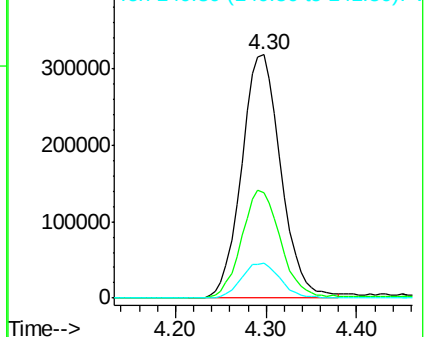
141 14.5 11.6 17.4

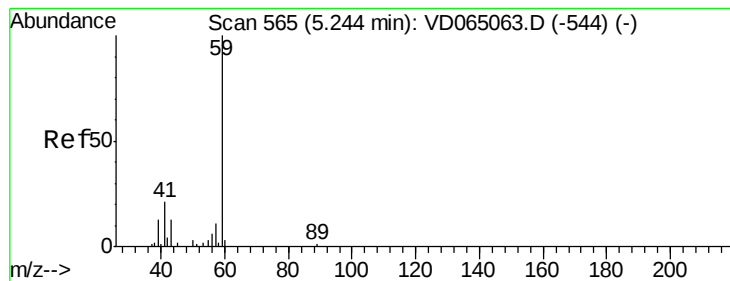


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



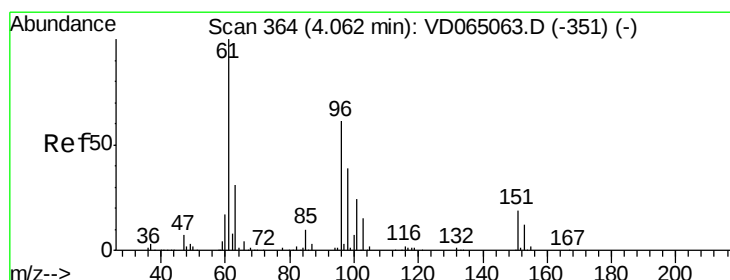
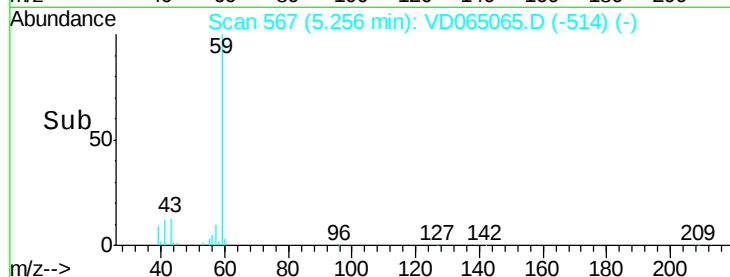
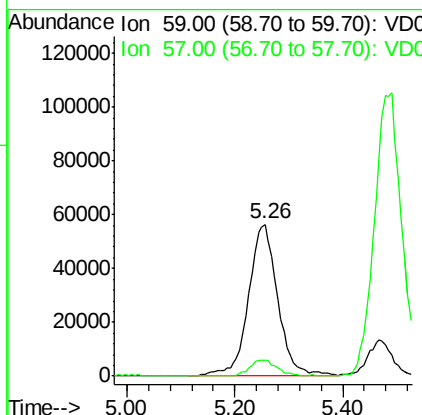
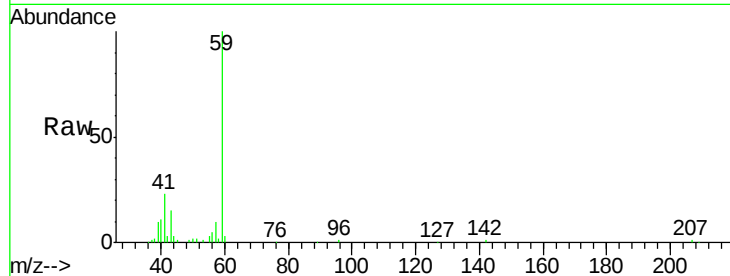


#11

Tert butyl alcohol
 Concen: 719.74 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

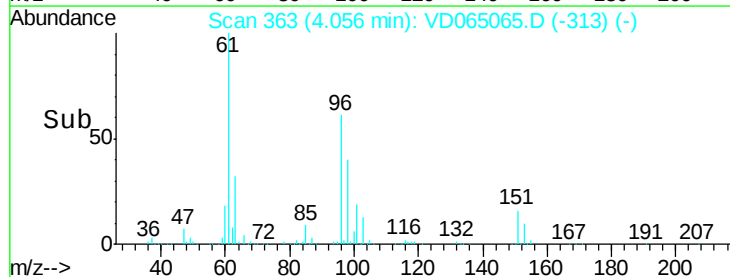
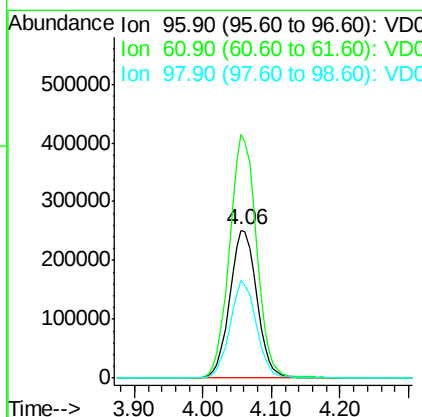
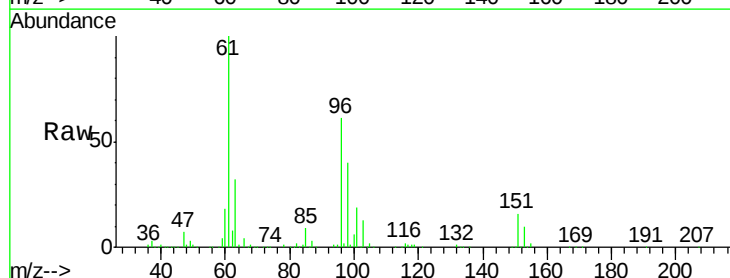
Tgt Ion: 59 Resp: 211733
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.8 13.2

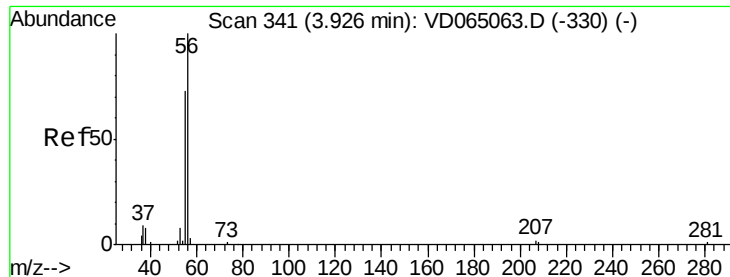


#12

1,1-Dichloroethene
 Concen: 138.02 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion: 96 Resp: 691143
 Ion Ratio Lower Upper
 96 100
 61 164.7 131.4 197.2
 98 65.7 51.1 76.7





#13

Acrolein

Concen: 690.37 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

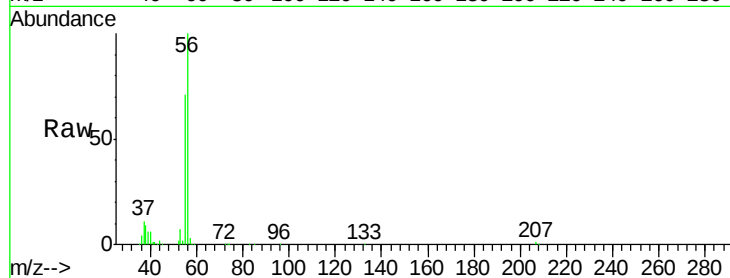
VSTDIC150

Tgt Ion: 56 Resp: 259393

Ion Ratio Lower Upper

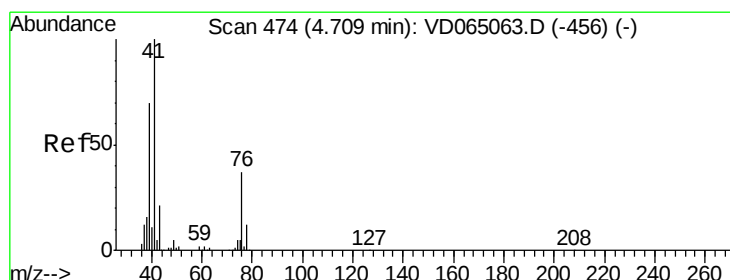
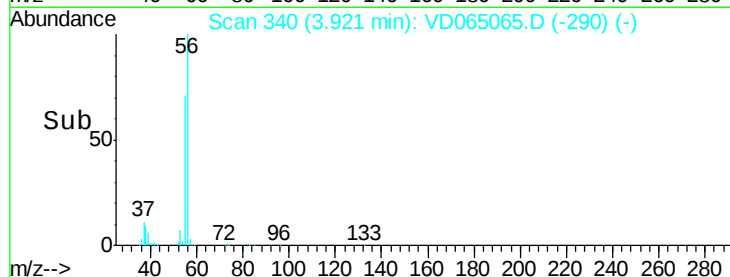
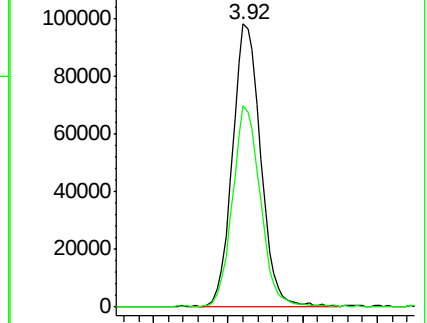
56 100

55 69.1 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 151.64 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

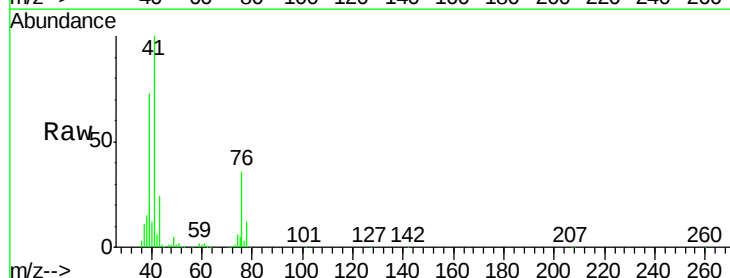
Tgt Ion: 41 Resp: 1216928

Ion Ratio Lower Upper

41 100

39 71.4 57.1 85.7

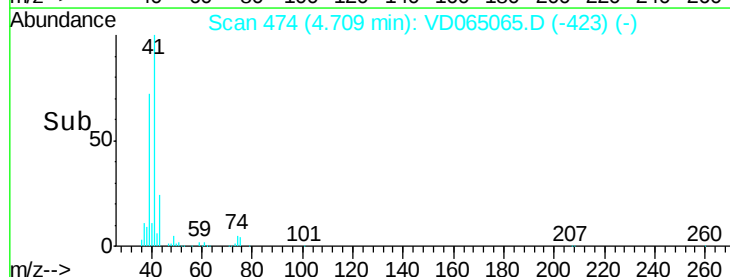
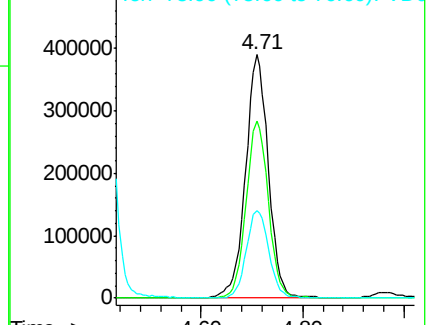
76 35.2 28.0 42.0

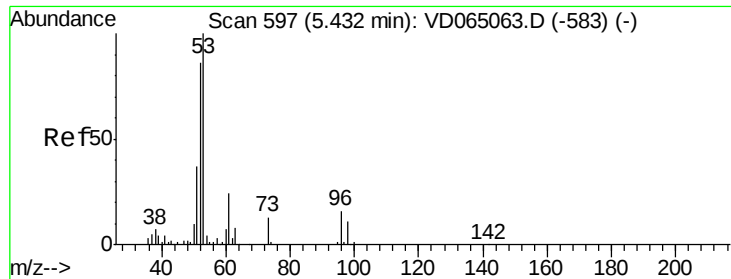


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 740.46 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

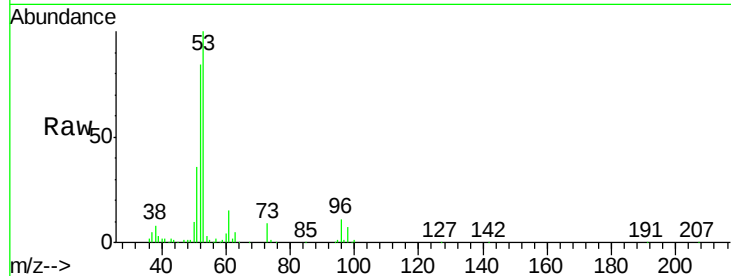
Tgt Ion: 53 Resp: 806835

Ion Ratio Lower Upper

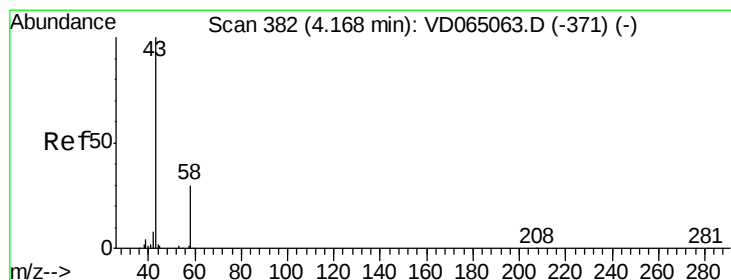
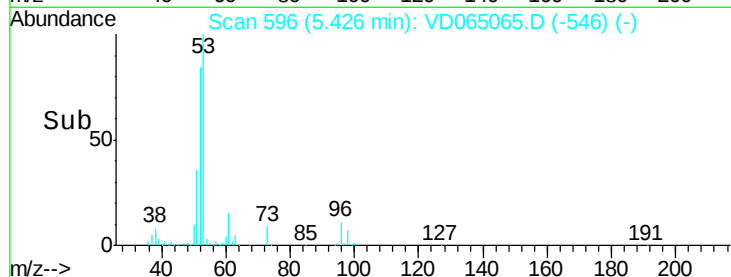
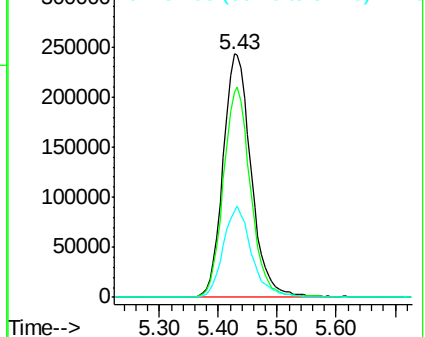
53 100

52 83.1 66.2 99.2

51 37.6 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: 780.12 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065065.D

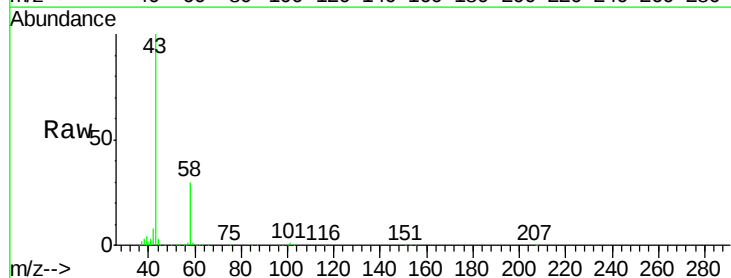
Acq: 05 Feb 2020 15:31

Tgt Ion: 43 Resp: 899255

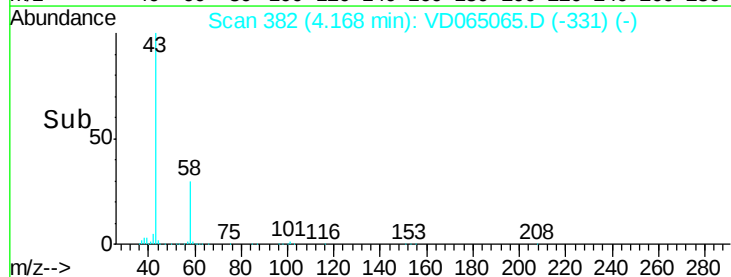
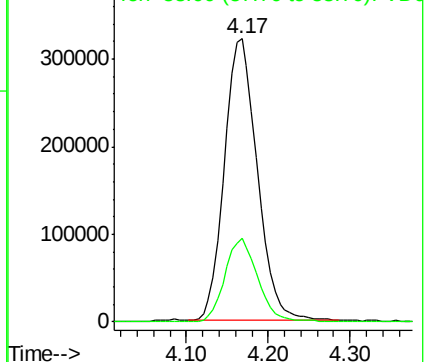
Ion Ratio Lower Upper

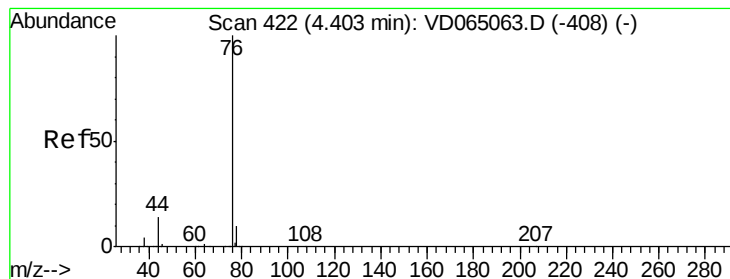
43 100

58 29.7 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: 137.85 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

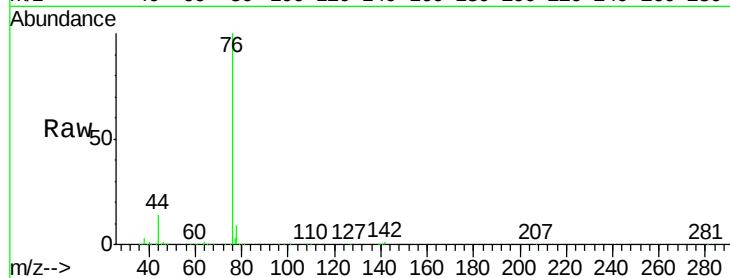
VSTDIC150

Tgt Ion: 76 Resp: 2264359

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

800000

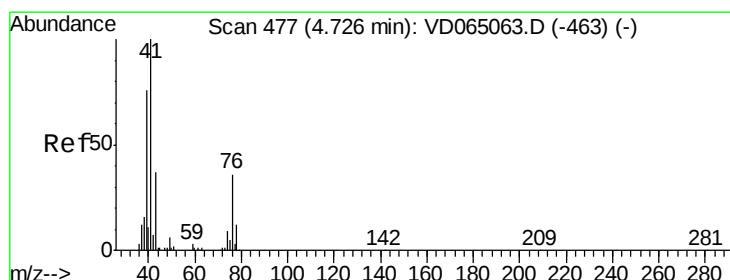
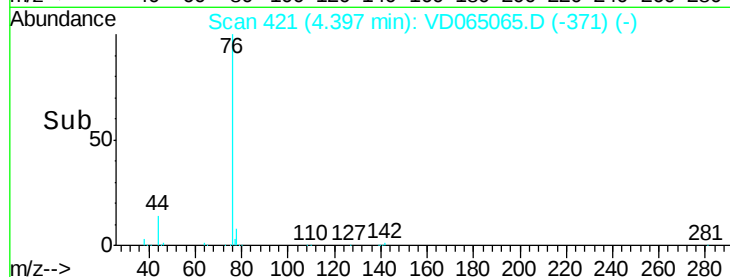
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 145.19 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065065.D

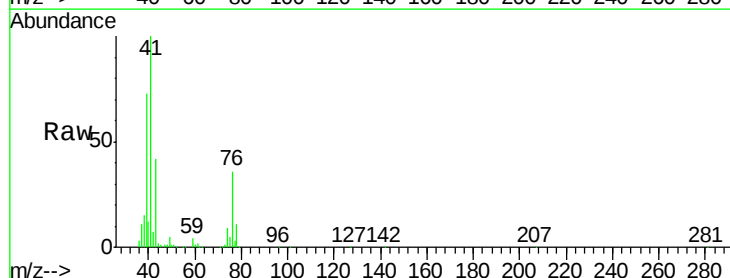
Acq: 05 Feb 2020 15:31

Tgt Ion: 43 Resp: 369870

Ion Ratio Lower Upper

43 100

74 23.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

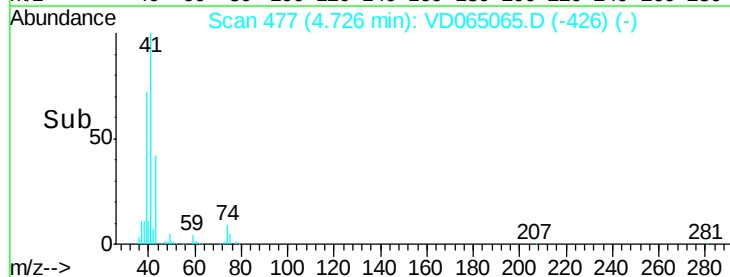
4.73

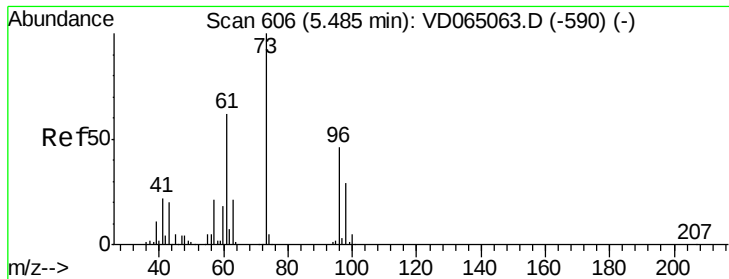
100000

50000

0

Time-->

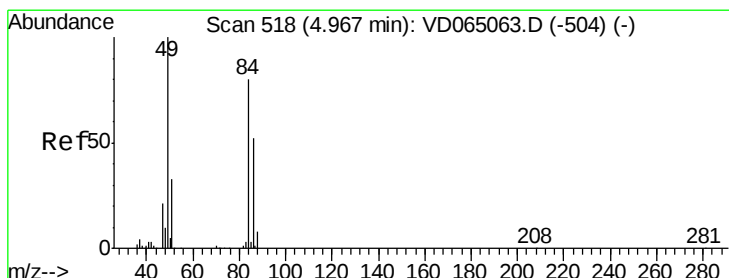
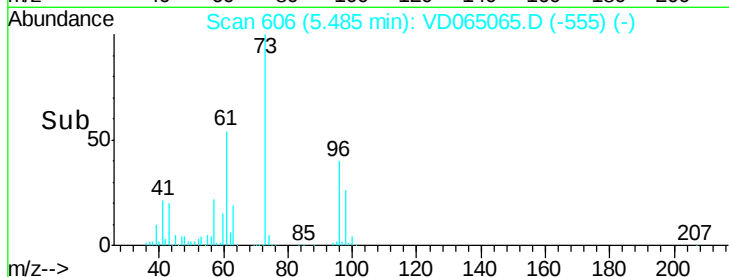
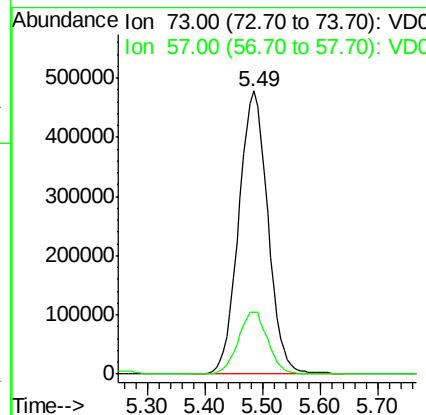
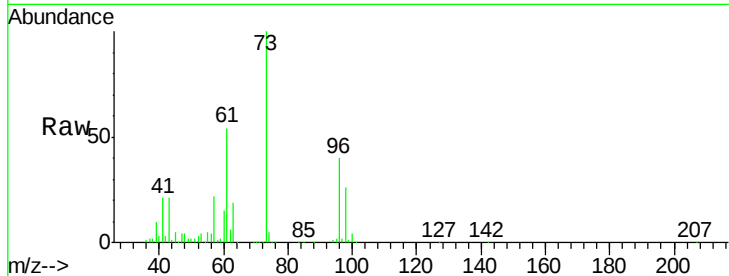




#19
Methyl tert-butyl Ether
Concen: 151.77 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

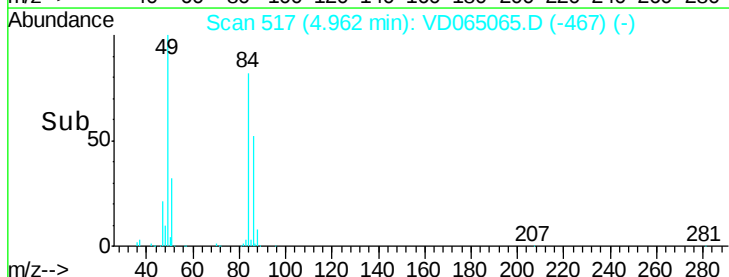
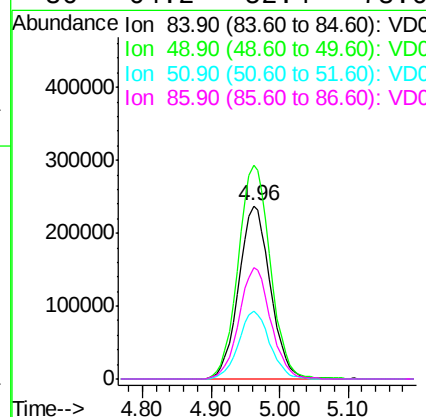
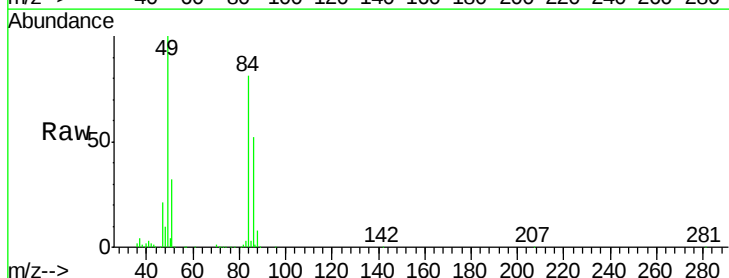
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

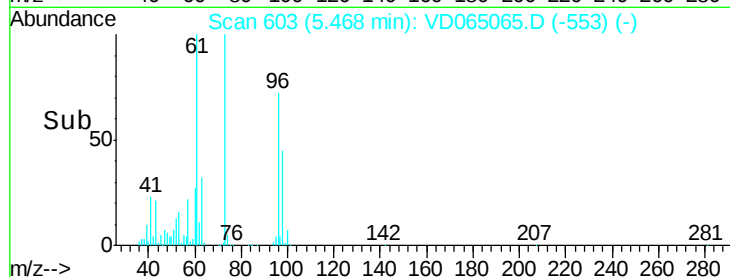
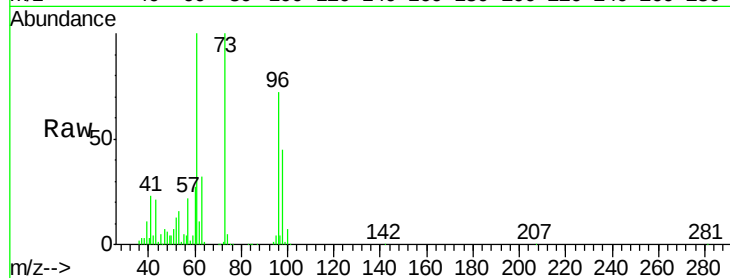
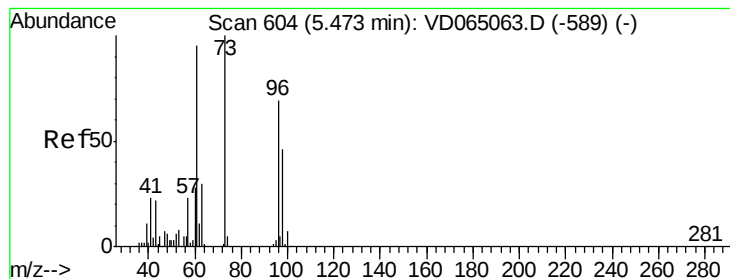
Tgt Ion: 73 Resp: 1680960
Ion Ratio Lower Upper
73 100
57 21.8 16.8 25.2



#20
Methylene Chloride
Concen: 119.68 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 84 Resp: 761261
Ion Ratio Lower Upper
84 100
49 123.4 100.4 150.6
51 39.3 32.7 49.1
86 64.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 141.38 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

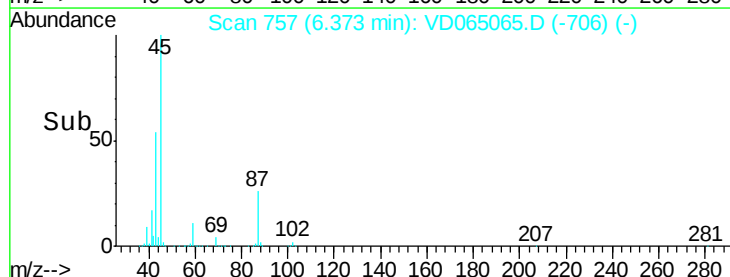
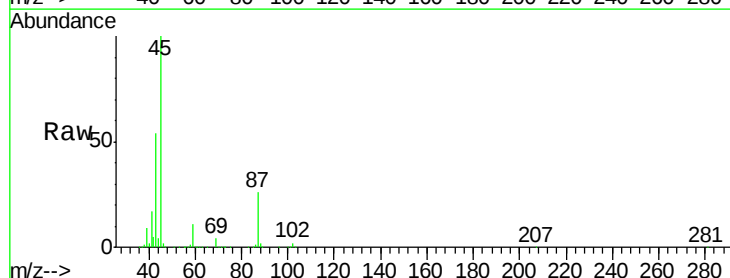
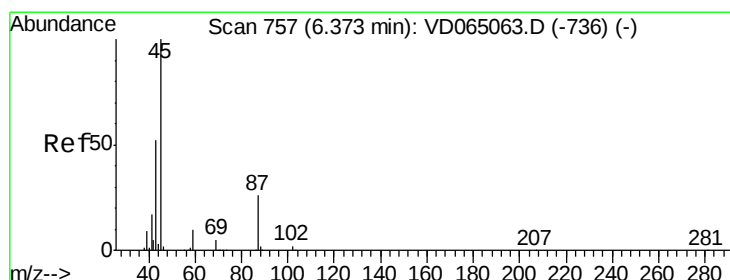
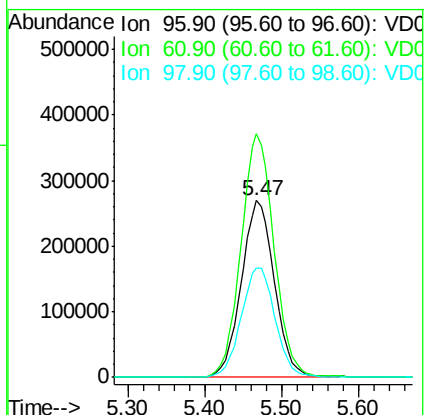
Tgt Ion: 96 Resp: 810278

Ion Ratio Lower Upper

96 100

61 138.0 109.5 164.3

98 62.0 53.7 80.5



#22

Diisopropyl ether

Concen: 149.33 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Tgt Ion: 45 Resp: 2361315

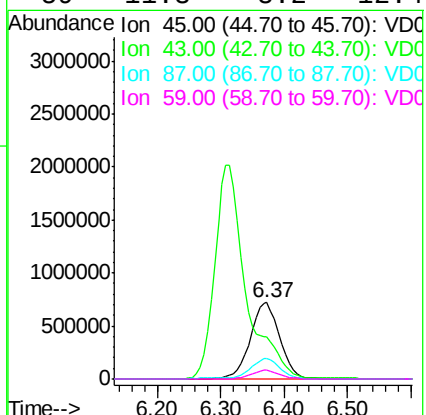
Ion Ratio Lower Upper

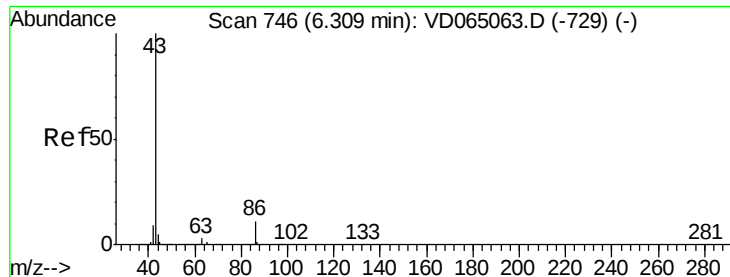
45 100

43 53.6 41.3 61.9

87 26.2 21.0 31.6

59 11.3 8.2 12.4





#23

Vinyl Acetate

Concen: 756.02 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

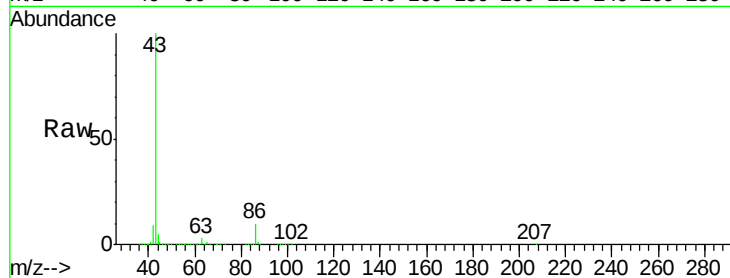
VSTDIC150

Tgt Ion: 43 Resp: 6928689

Ion Ratio Lower Upper

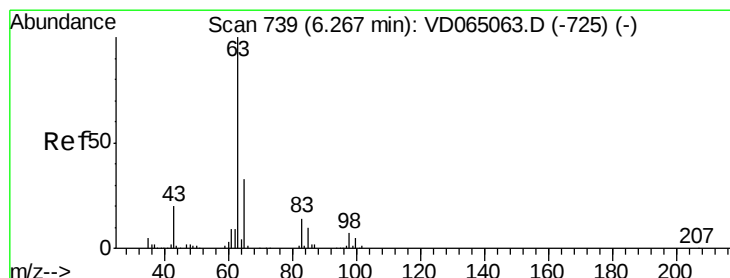
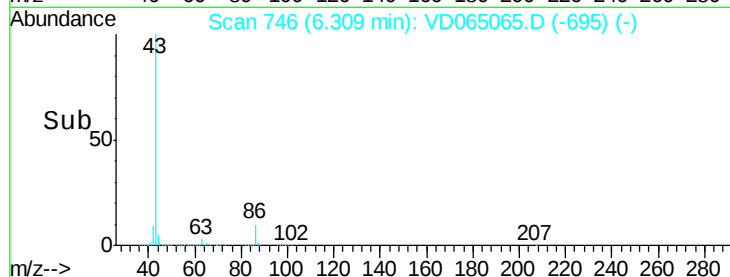
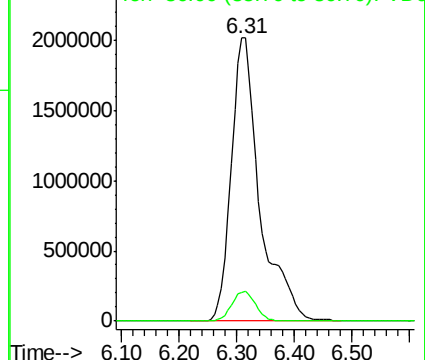
43 100

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



#24

1,1-Dichloroethane

Concen: 141.42 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

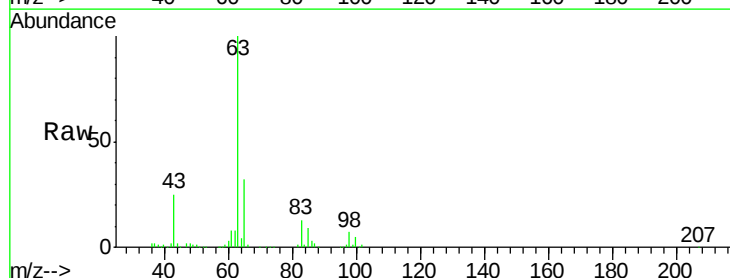
Tgt Ion: 63 Resp: 1371904

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

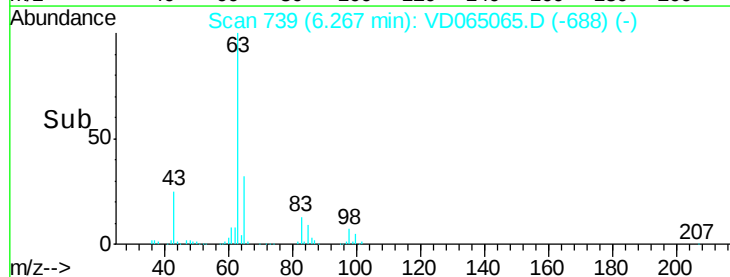
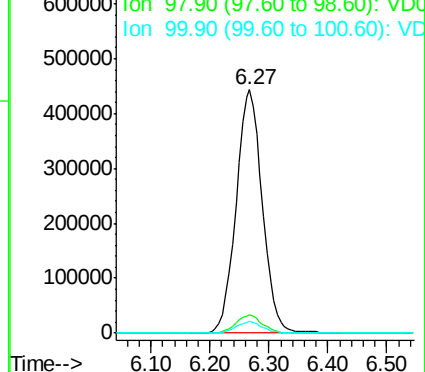
100 4.9 2.5 7.6

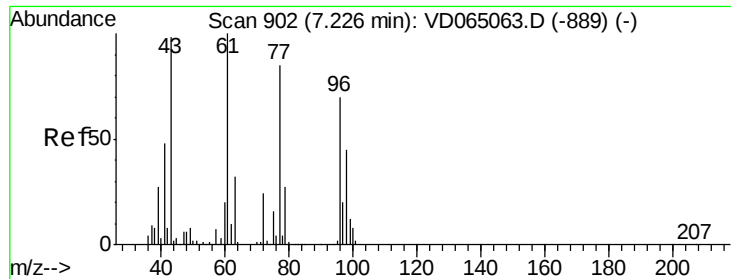


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 767.32 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

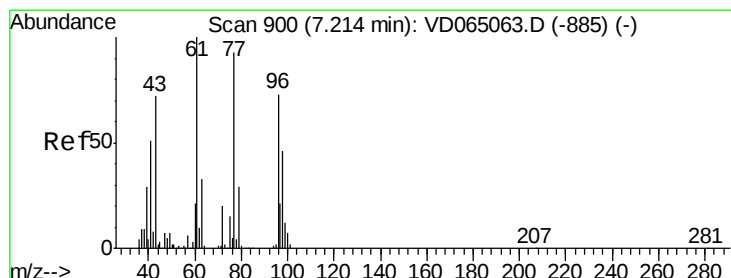
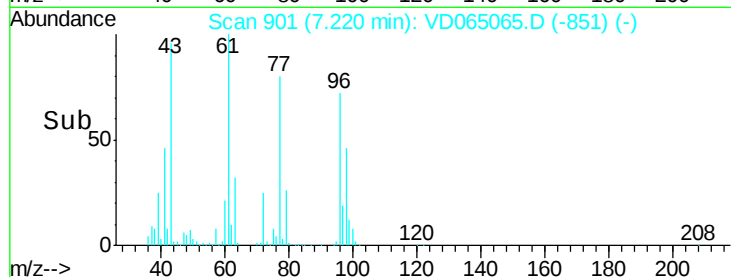
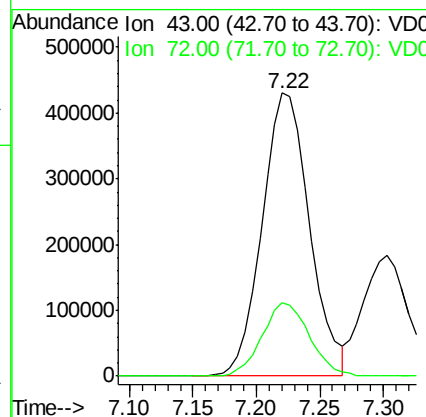
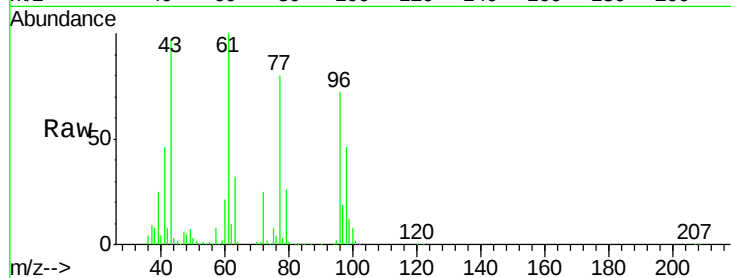
VSTDIC150

Tgt Ion: 43 Resp: 1117917

Ion Ratio Lower Upper

43 100

72 25.8 19.9 29.9



#26

2,2-Dichloropropane

Concen: 134.19 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065065.D

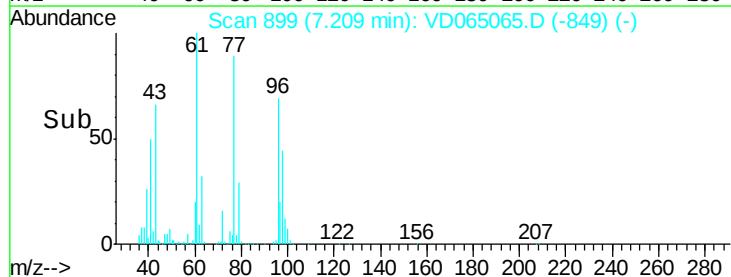
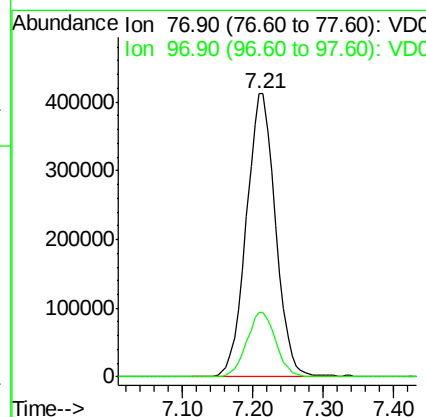
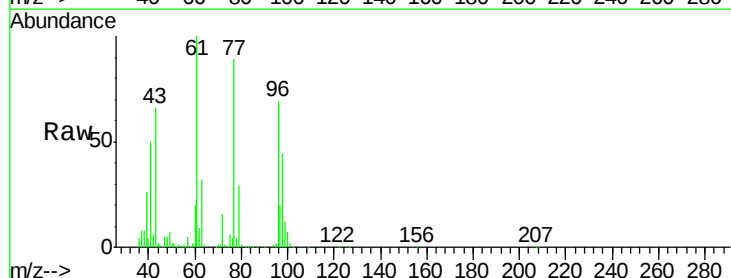
Acq: 05 Feb 2020 15:31

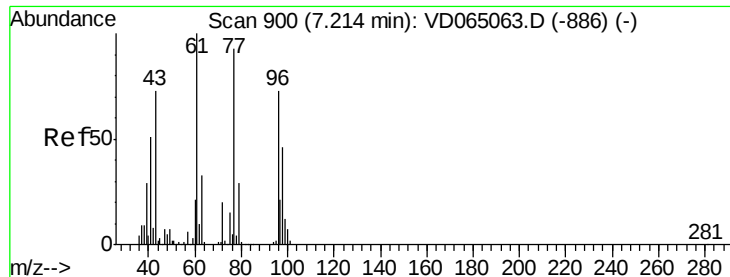
Tgt Ion: 77 Resp: 1187878

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 146.16 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

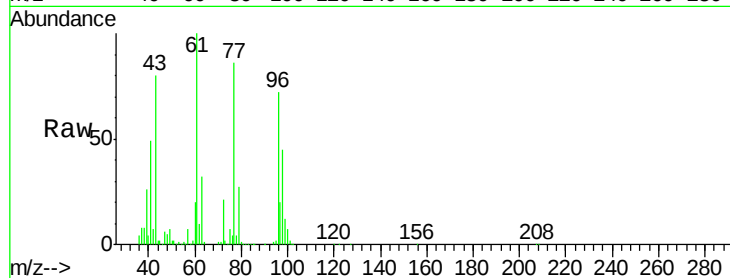
Tgt Ion: 96 Resp: 896498

Ion Ratio Lower Upper

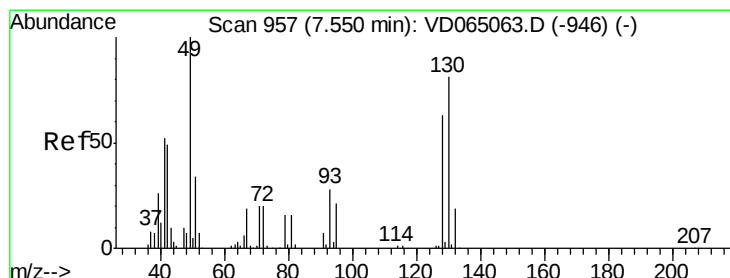
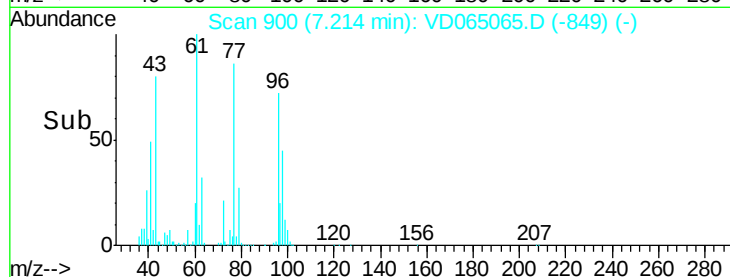
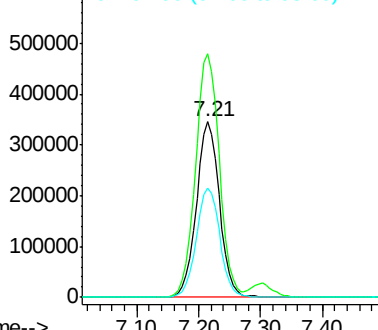
96 100

61 143.1 0.0 292.8

98 64.1 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: 147.60 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

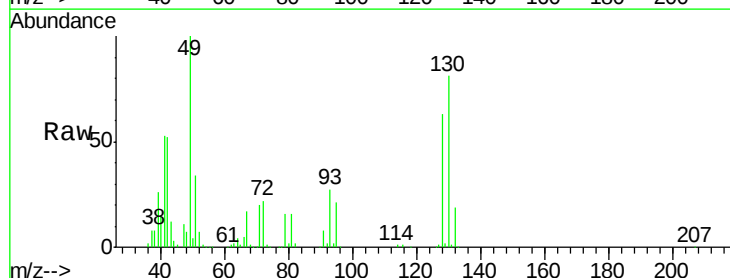
Tgt Ion: 49 Resp: 553641

Ion Ratio Lower Upper

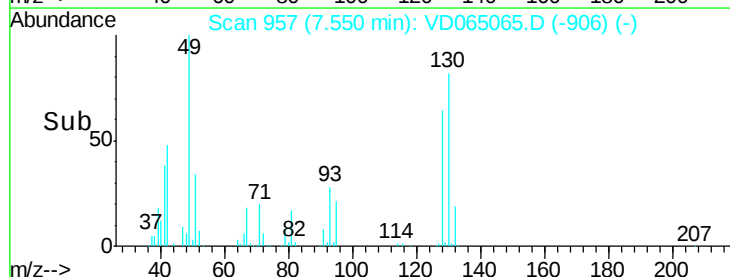
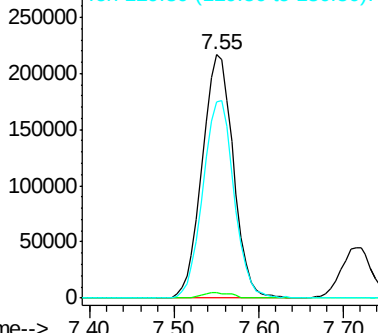
49 100

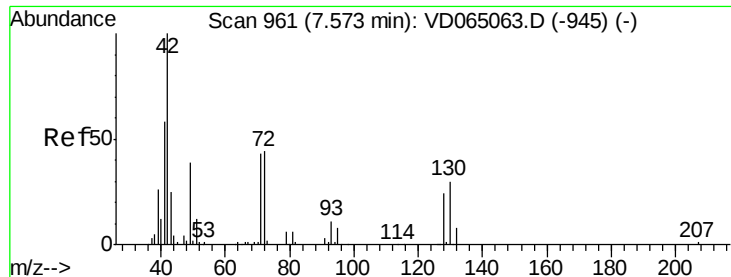
129 2.2 0.0 4.4

130 80.9 63.8 95.8



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

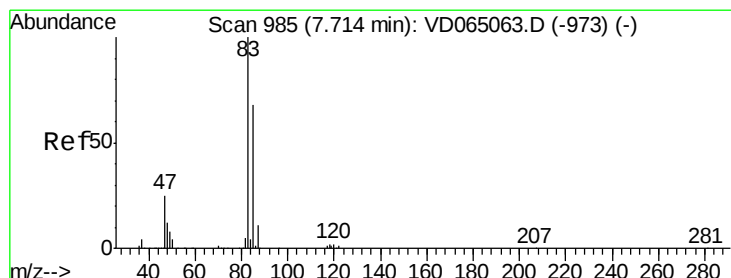
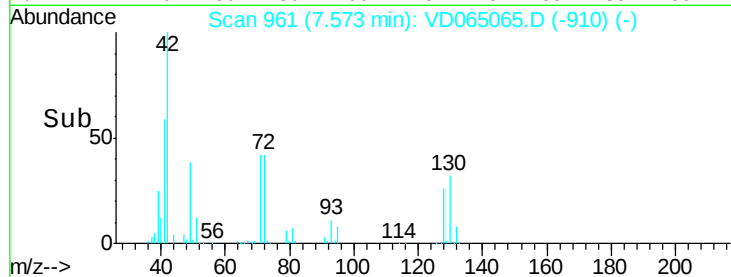
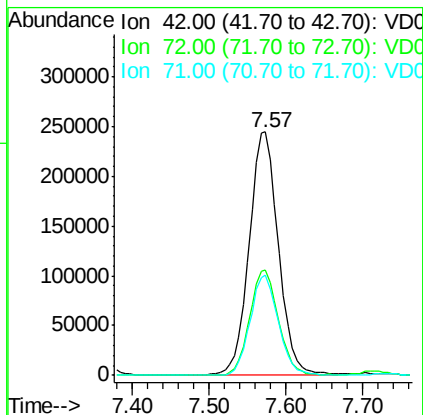
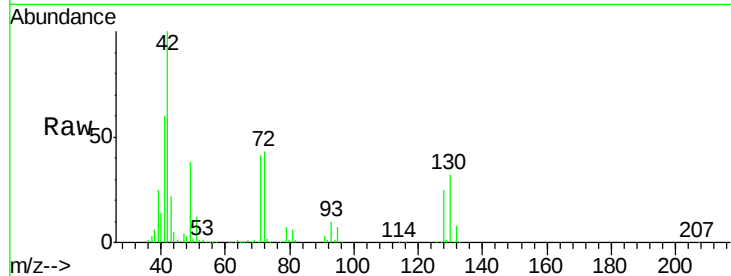




#29
Tetrahydrofuran
Concen: 721.56 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

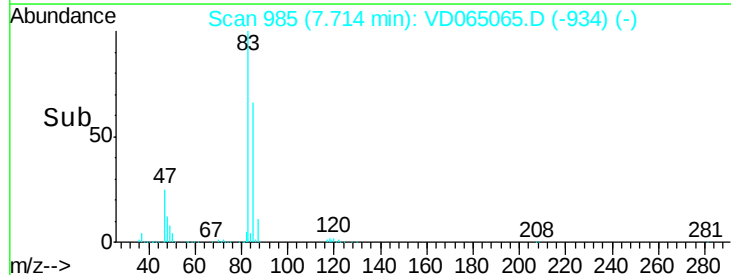
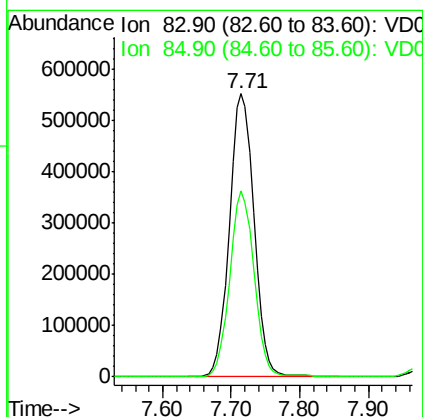
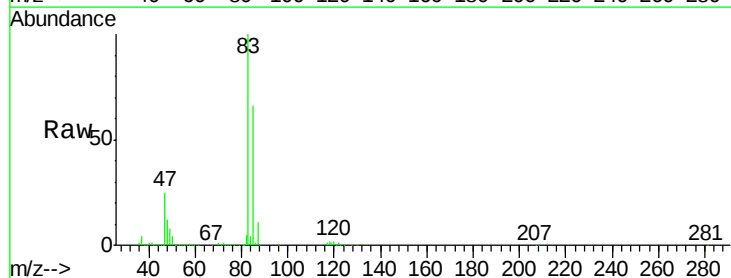
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

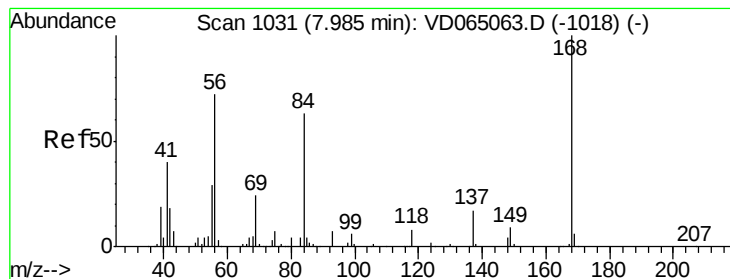
Tgt Ion: 42 Resp: 651244
Ion Ratio Lower Upper
42 100
72 42.6 34.2 51.4
71 39.7 31.8 47.6



#30
Chloroform
Concen: 137.94 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 83 Resp: 1377957
Ion Ratio Lower Upper
83 100
85 65.9 54.2 81.4





#31

Cyclohexane

Concen: 129.89 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

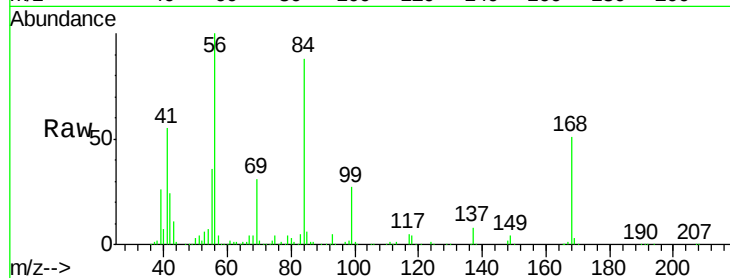
Tgt Ion: 56 Resp: 1248431

Ion Ratio Lower Upper

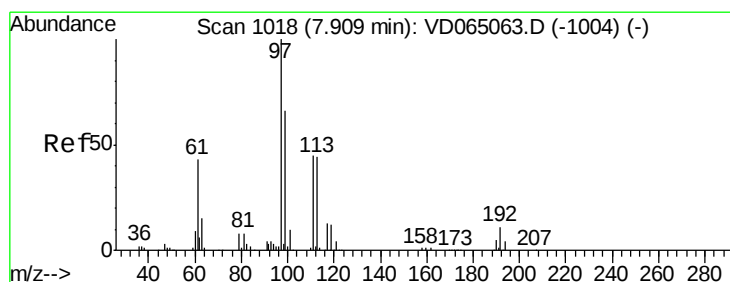
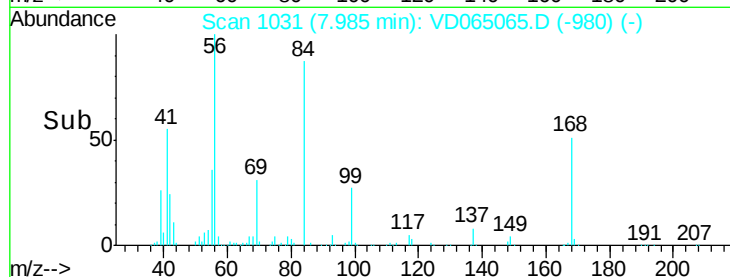
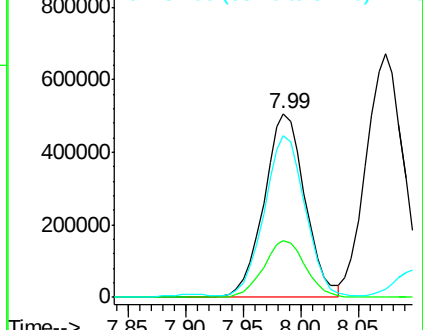
56 100

69 31.1 26.6 40.0

84 86.5 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: 133.92 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

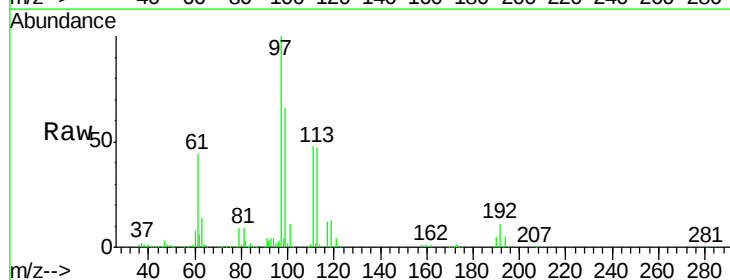
Tgt Ion: 97 Resp: 1245479

Ion Ratio Lower Upper

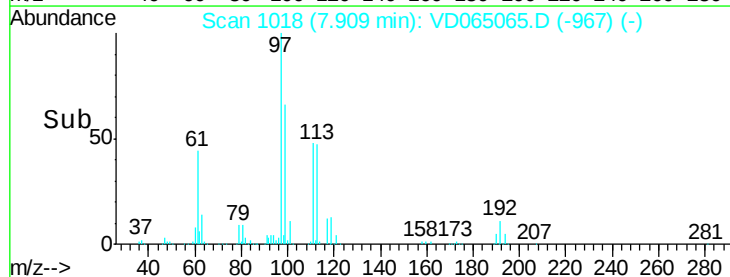
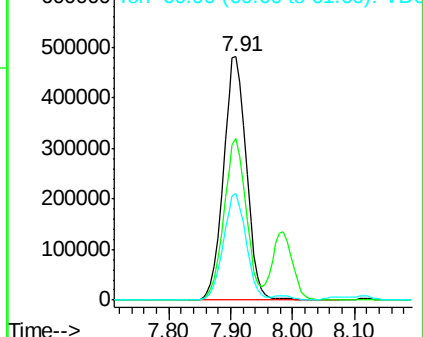
97 100

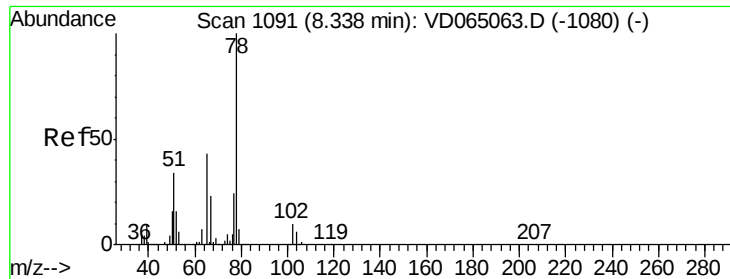
99 64.3 51.5 77.3

61 43.4 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: 140.12 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

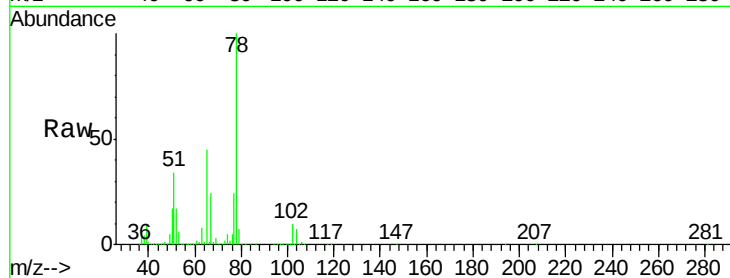
VSTDIC150

Tgt Ion: 65 Resp: 752449

Ion Ratio Lower Upper

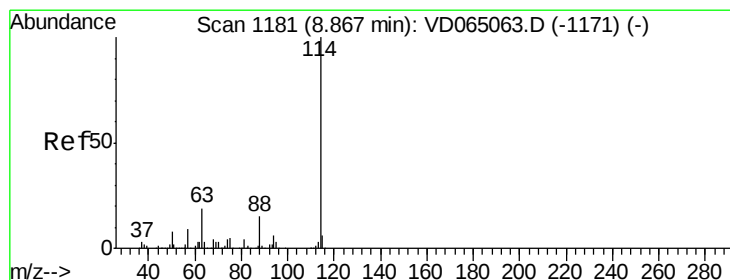
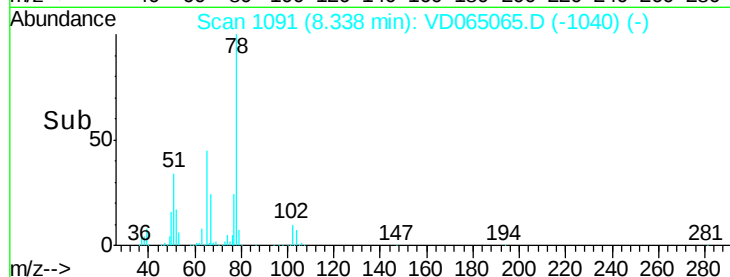
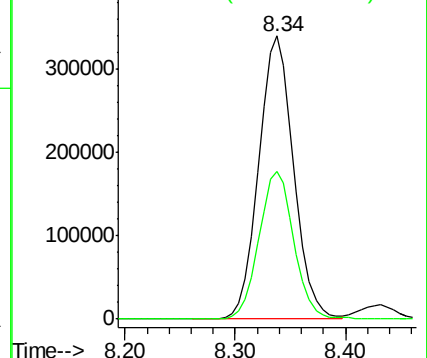
65 100

67 52.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

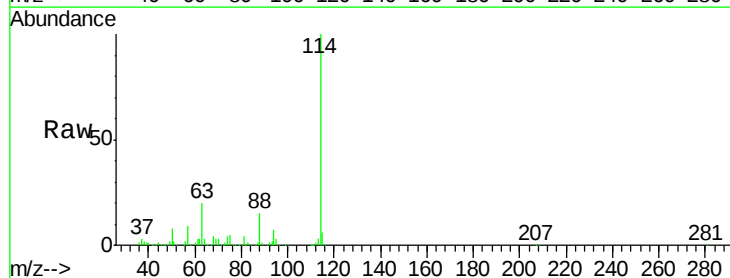
Tgt Ion: 114 Resp: 853152

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

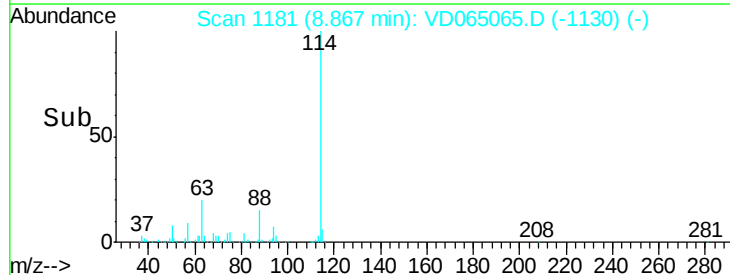
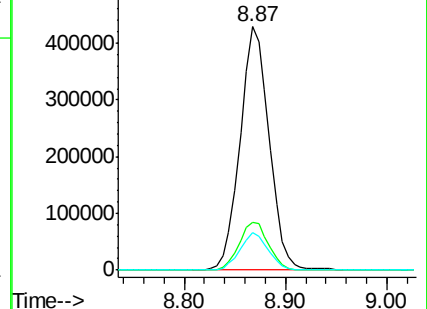
88 15.3 0.0 29.6

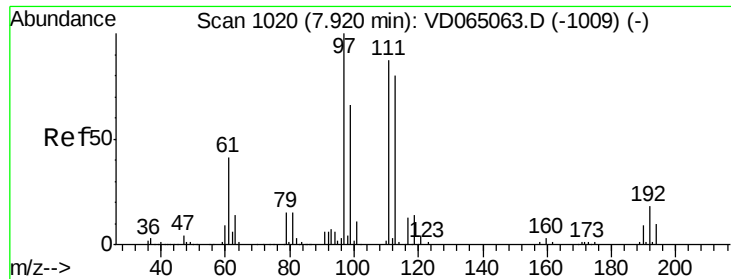


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

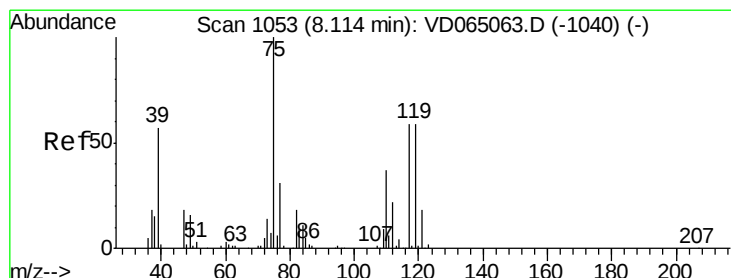
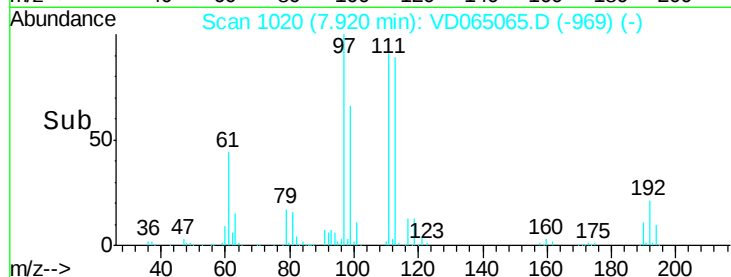
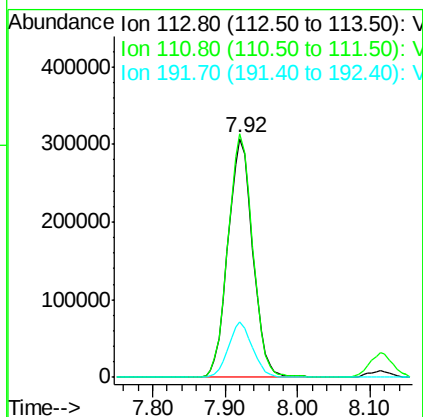
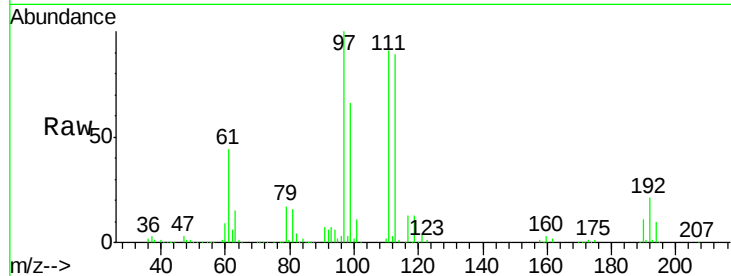




#35
 Dibromofluoromethane
 Concen: 138.76 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

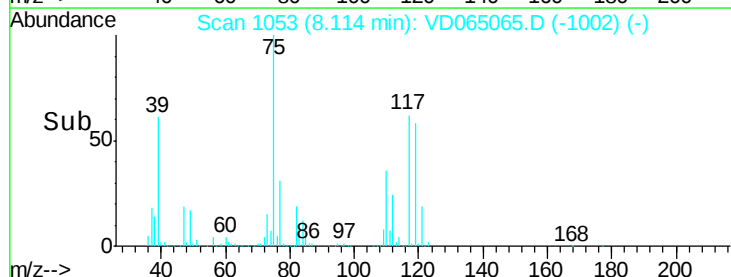
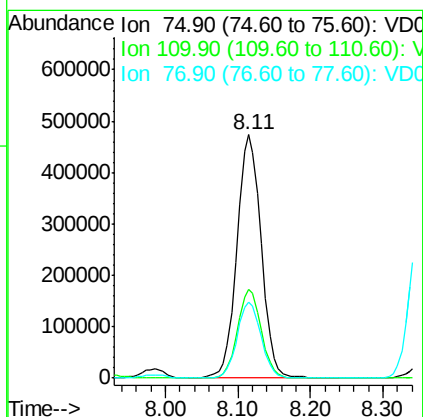
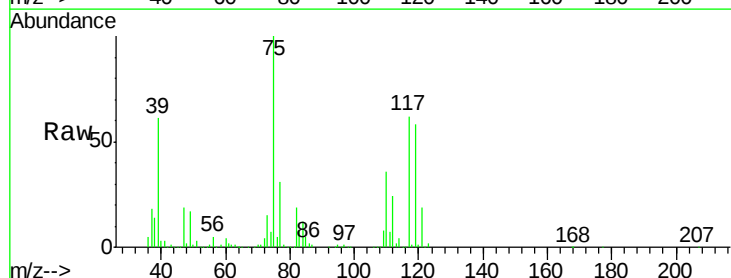
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

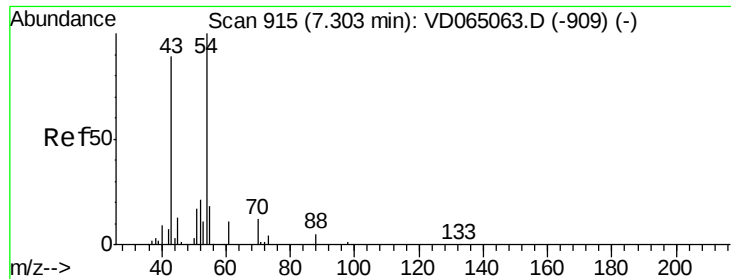
Tgt Ion: 113 Resp: 730448
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.1 124.7
 192 22.5 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 133.42 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion: 75 Resp: 1095839
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.1 54.3
 77 30.9 24.7 37.1

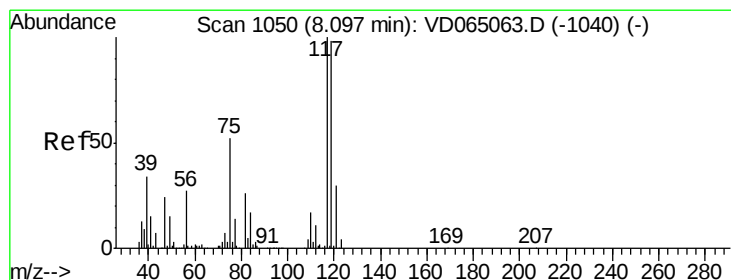
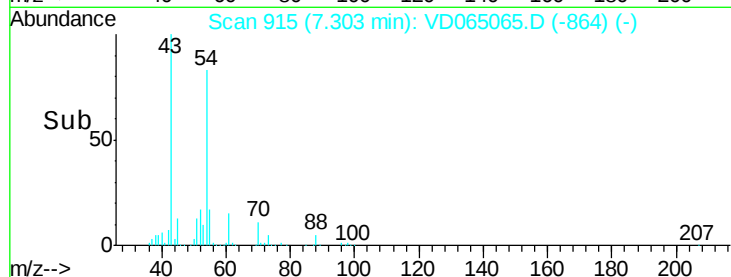
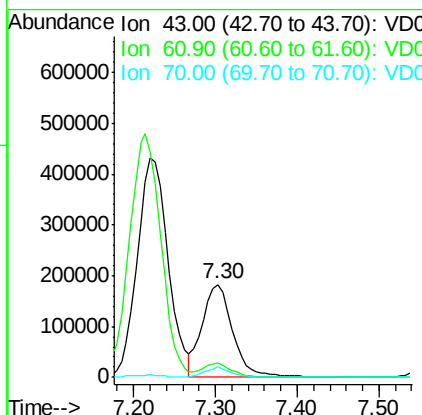
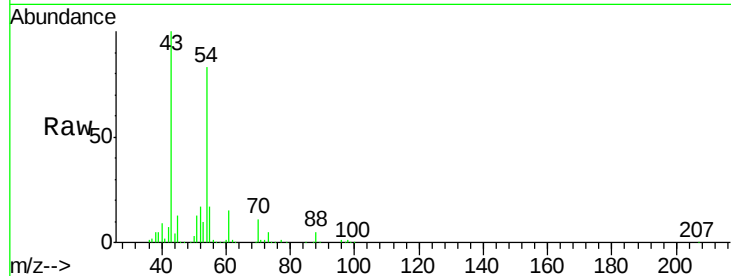




#37
Ethyl Acetate
Concen: 139.37 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

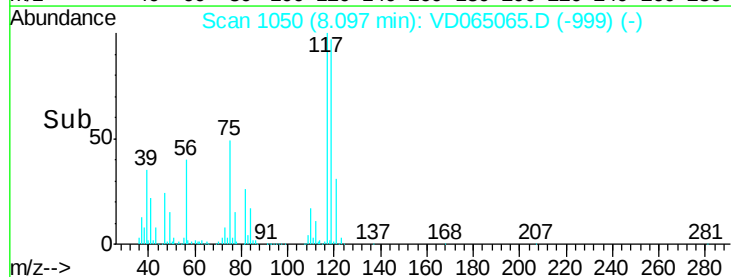
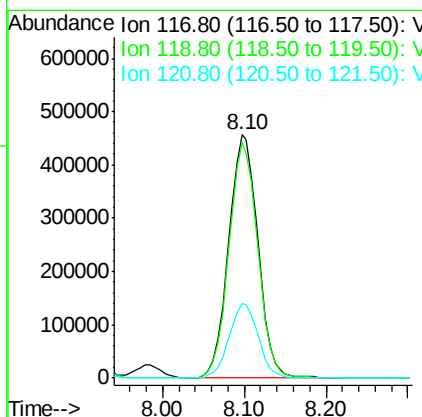
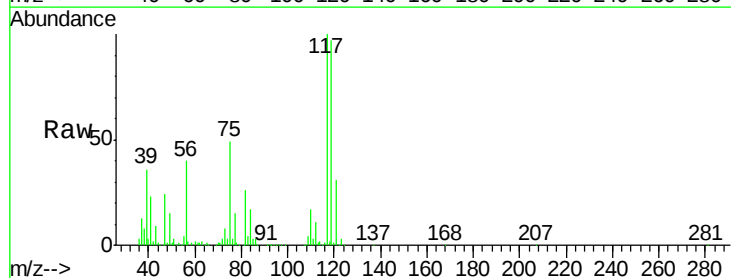
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

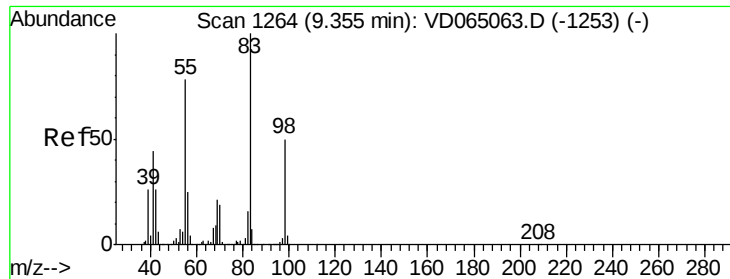
Tgt Ion: 43 Resp: 471086
Ion Ratio Lower Upper
43 100
61 13.5 11.0 16.4
70 9.9 8.2 12.2



#38
Carbon Tetrachloride
Concen: 131.27 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 117 Resp: 1131322
Ion Ratio Lower Upper
117 100
119 96.7 78.5 117.7
121 30.9 23.8 35.6

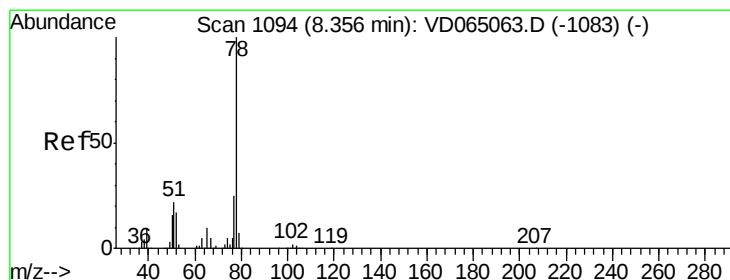
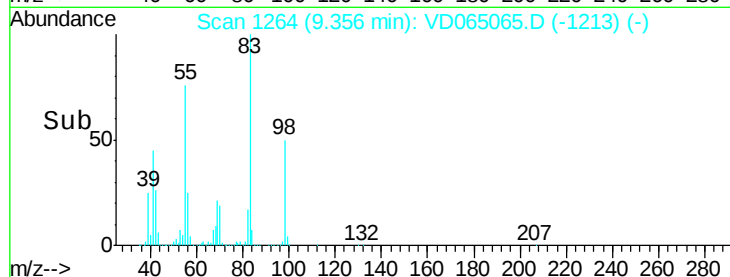
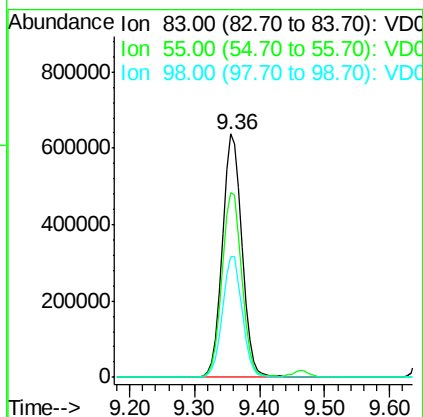
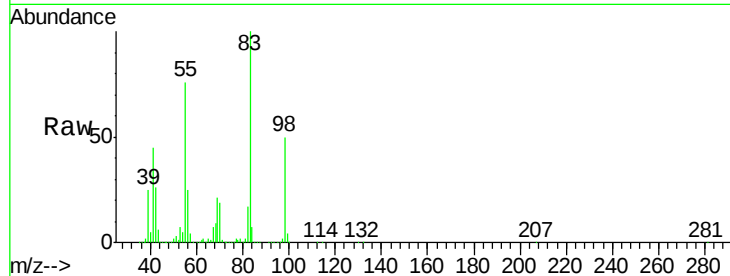




#39
Methylcyclohexane
Concen: 138.16 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

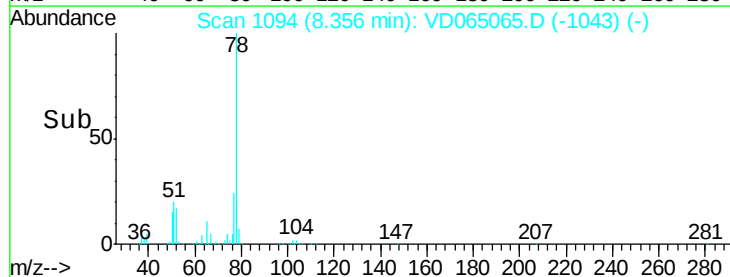
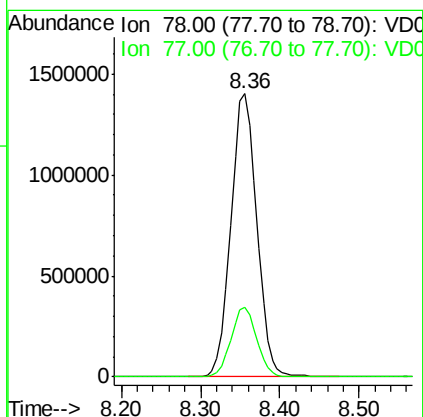
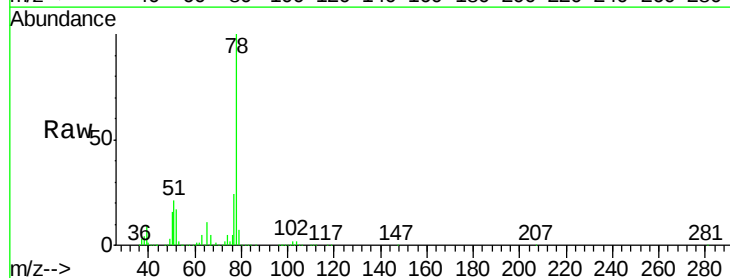
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

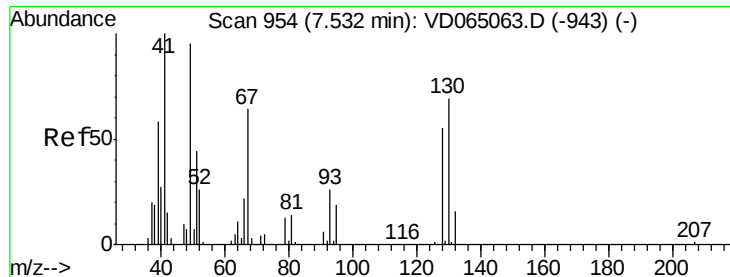
Tgt Ion: 83 Resp: 1337954
Ion Ratio Lower Upper
83 100
55 75.9 62.0 93.0
98 49.8 39.9 59.9



#40
Benzene
Concen: 140.68 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 78 Resp: 3179283
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4

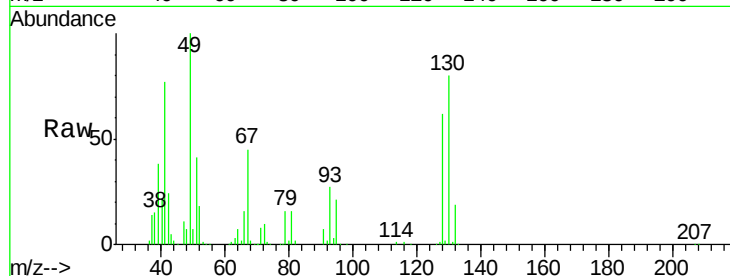




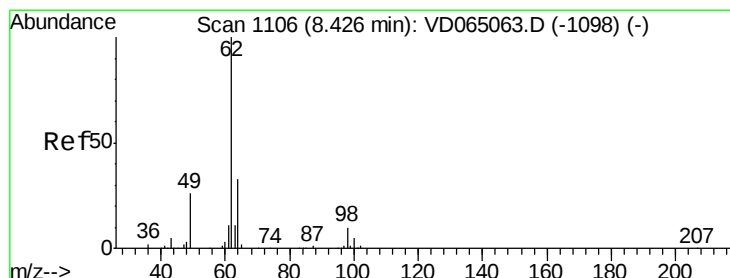
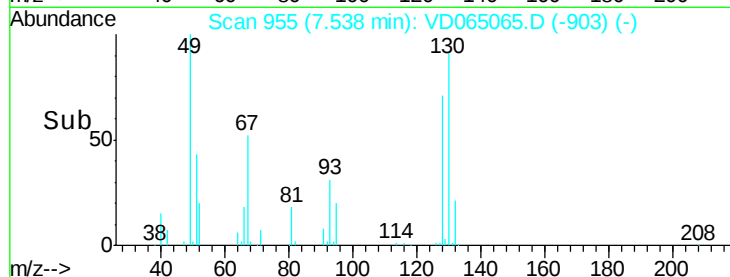
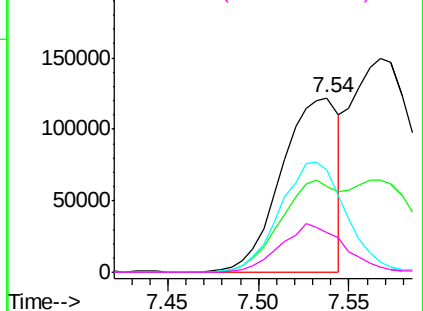
#41
Methacrylonitrile
Concen: 150.86 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 268422
Ion Ratio Lower Upper
41 100
39 52.4 55.4 83.0#
67 73.6 59.0 88.6
52 31.4 25.4 38.0

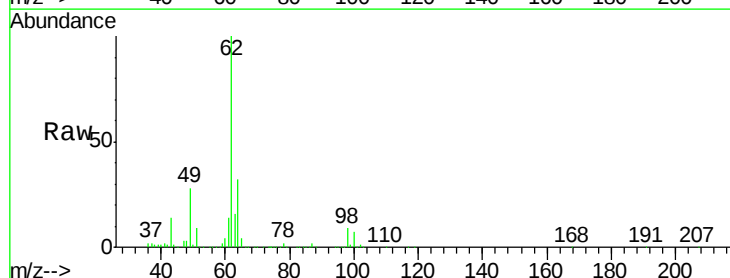


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

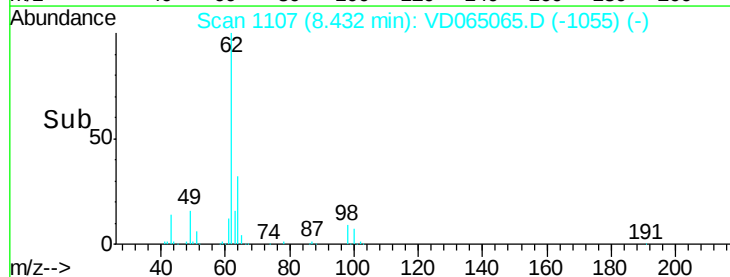
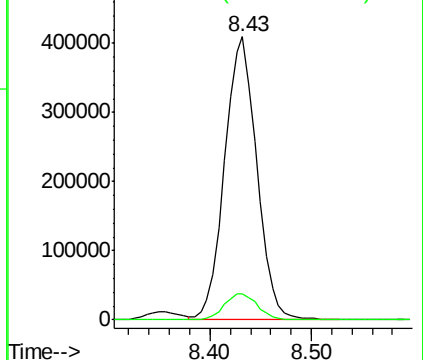


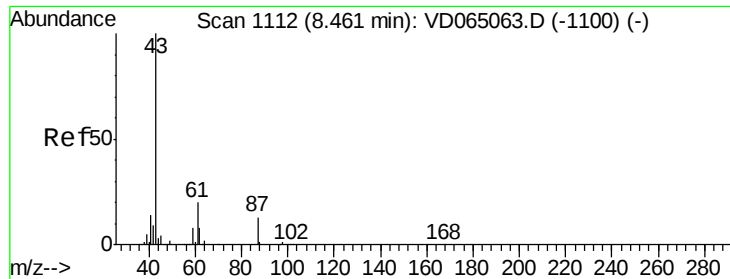
#42
1,2-Dichloroethane
Concen: 134.20 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 62 Resp: 896593
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 144.76 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

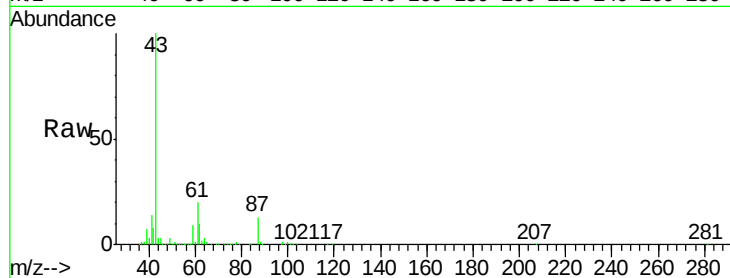
Tgt Ion: 43 Resp: 929140

Ion Ratio Lower Upper

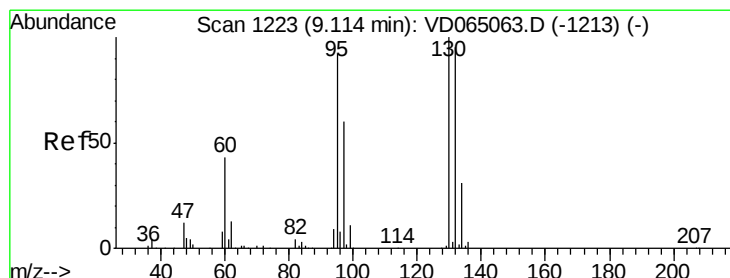
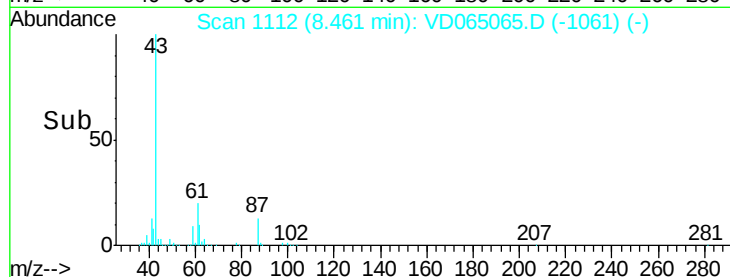
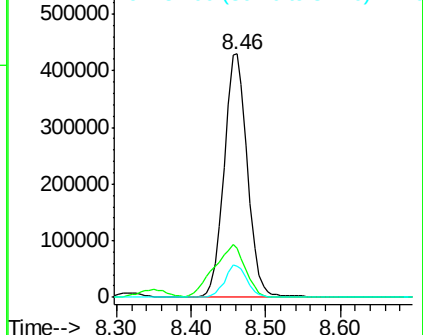
43 100

61 29.2 24.0 36.0

87 12.8 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: 137.17 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065065.D

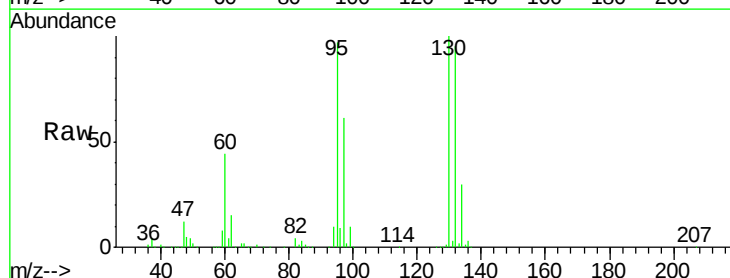
Acq: 05 Feb 2020 15:31

Tgt Ion: 130 Resp: 873203

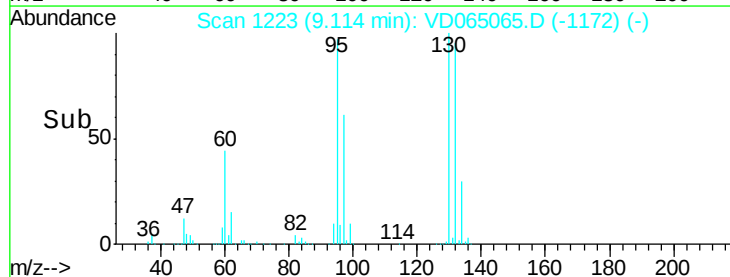
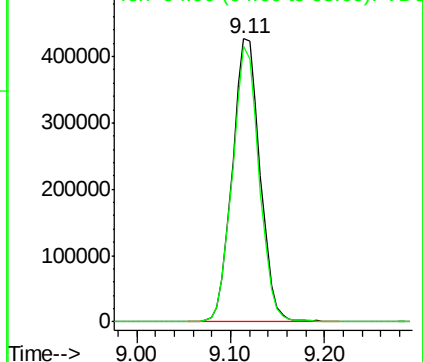
Ion Ratio Lower Upper

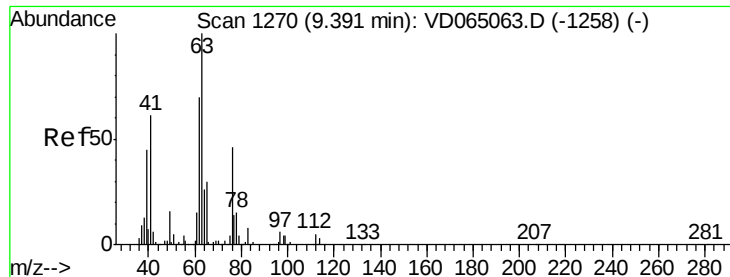
130 100

95 97.4 0.0 185.0



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

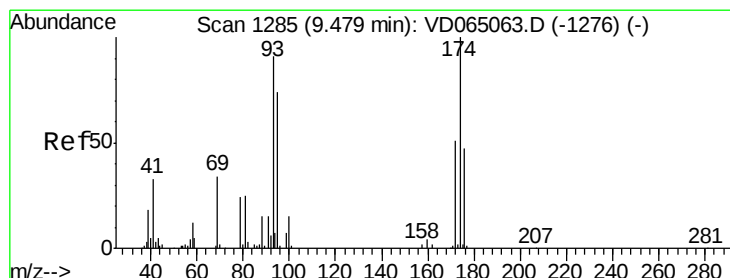
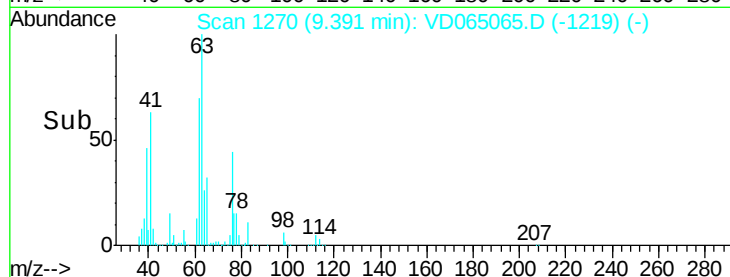
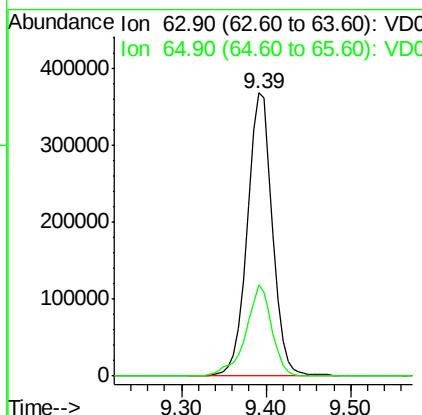
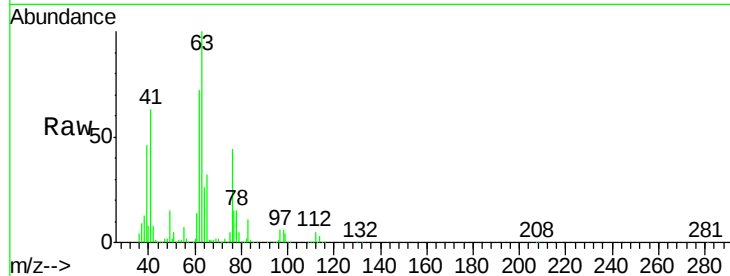




#45
 1,2-Dichloropropane
 Concen: 139.38 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

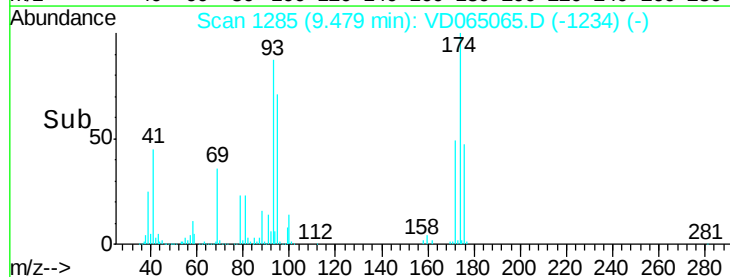
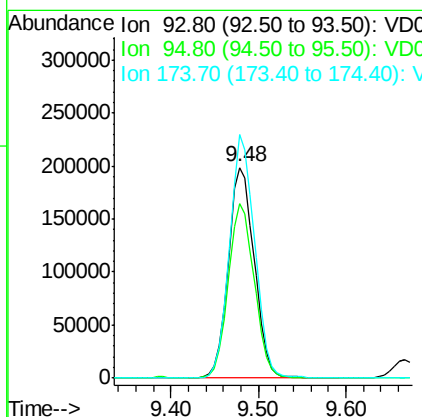
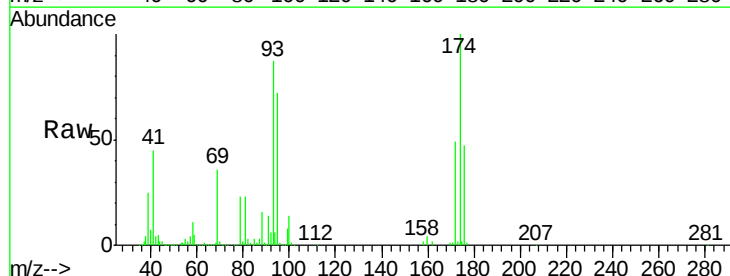
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

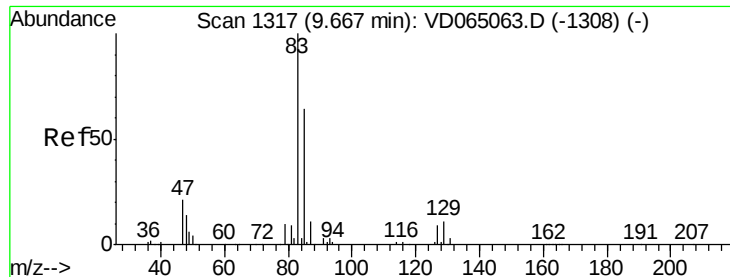
Tgt Ion: 63 Resp: 765456
 Ion Ratio Lower Upper
 63 100
 65 32.3 23.9 35.9



#46
 Dibromomethane
 Concen: 135.39 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion: 93 Resp: 402756
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.5 99.7
 174 111.5 89.8 134.8





#47

Bromodichloromethane

Concen: 136.79 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

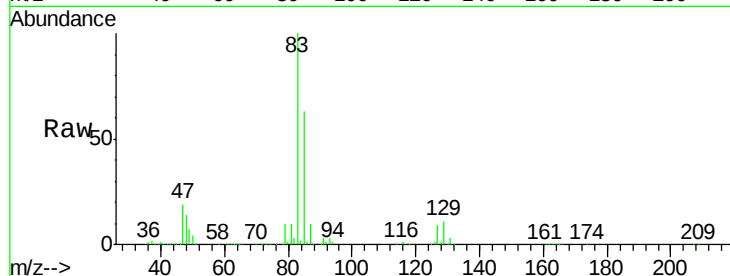
Tgt Ion: 83 Resp: 1059345

Ion Ratio Lower Upper

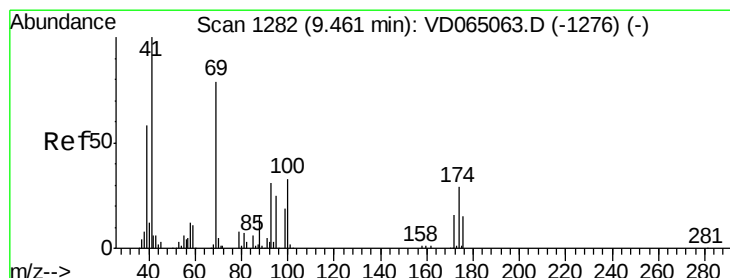
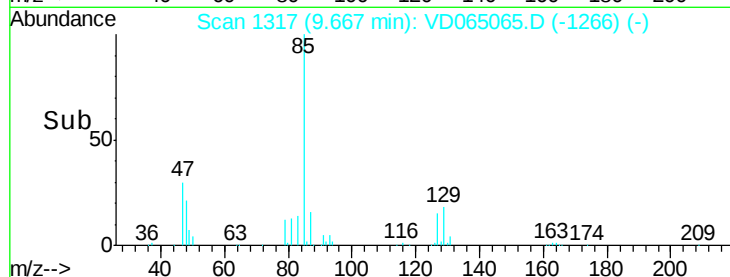
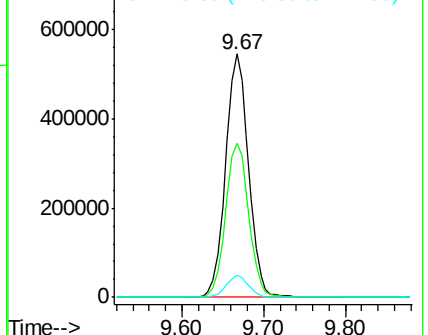
83 100

85 63.5 51.0 76.6

127 9.2 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: 149.50 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

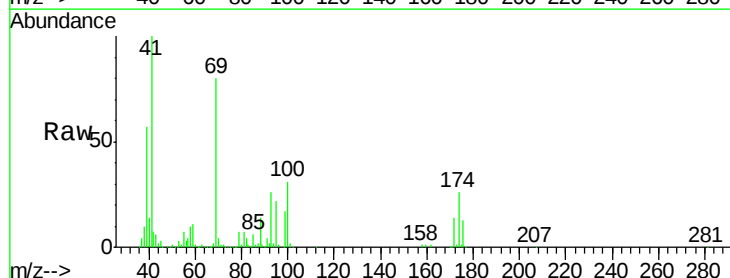
Tgt Ion: 41 Resp: 441544

Ion Ratio Lower Upper

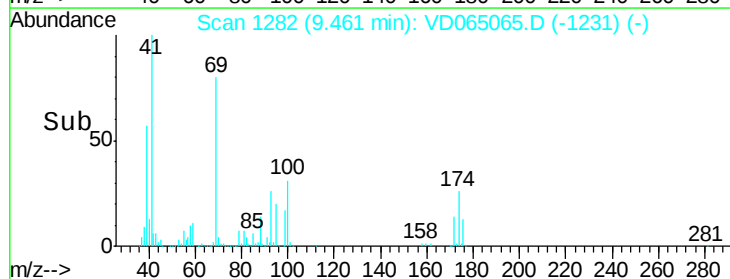
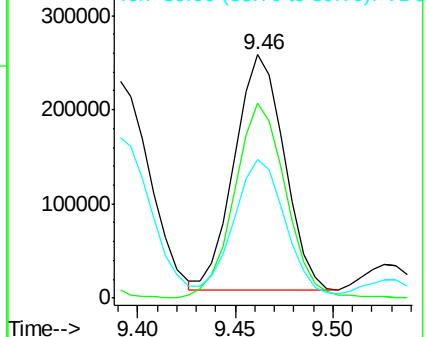
41 100

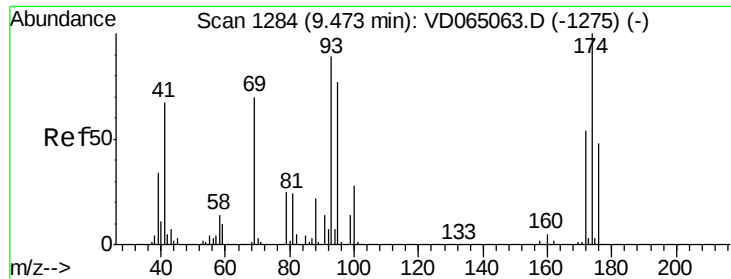
69 84.3 67.5 101.3

39 56.9 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: 2747.01 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

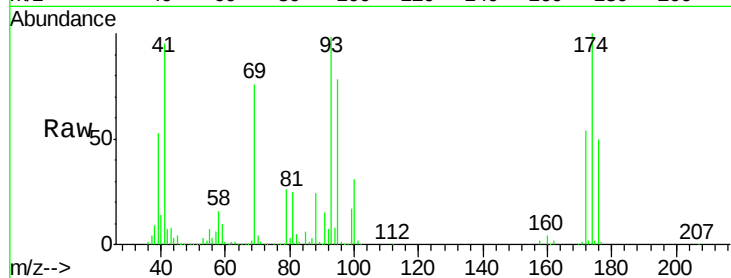
Tgt Ion: 88 Resp: 93913

Ion Ratio Lower Upper

88 100

43 35.1 27.7 41.5

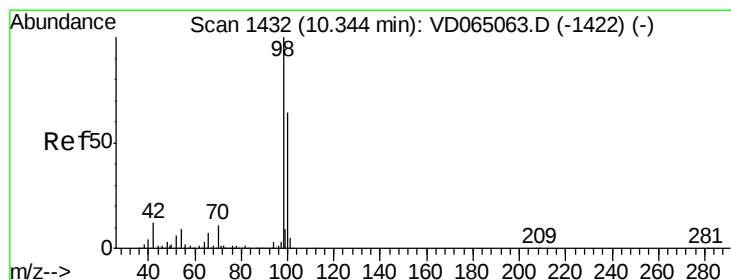
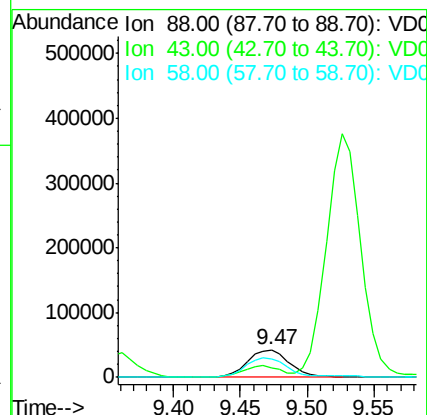
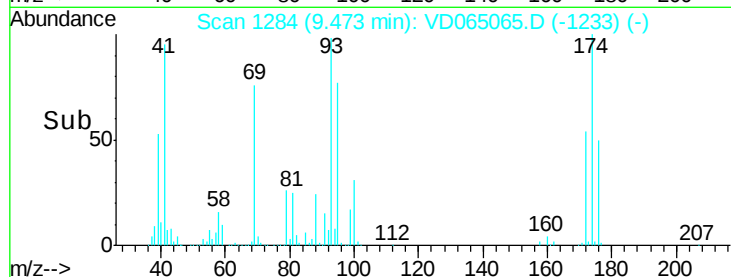
58 69.9 55.5 83.3



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: 143.18 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065065.D

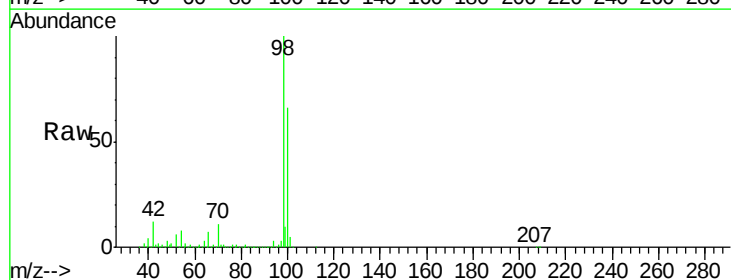
Acq: 05 Feb 2020 15:31

Tgt Ion: 98 Resp: 2917747

Ion Ratio Lower Upper

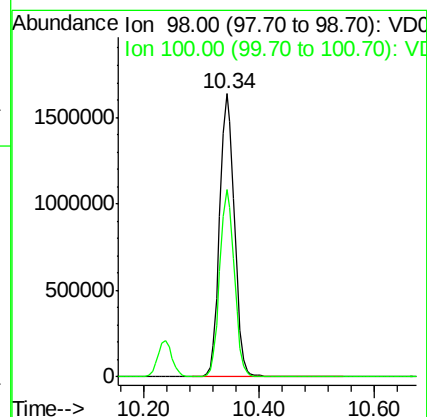
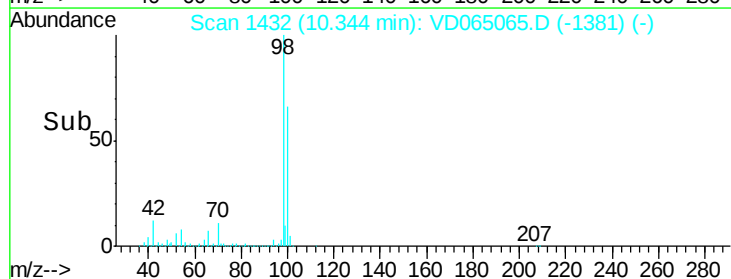
98 100

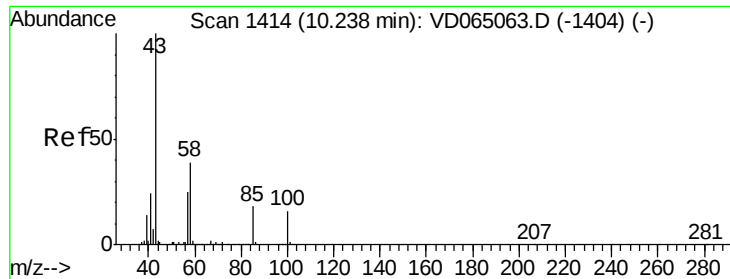
100 65.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

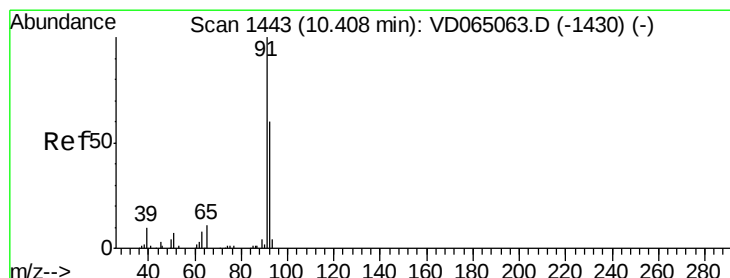
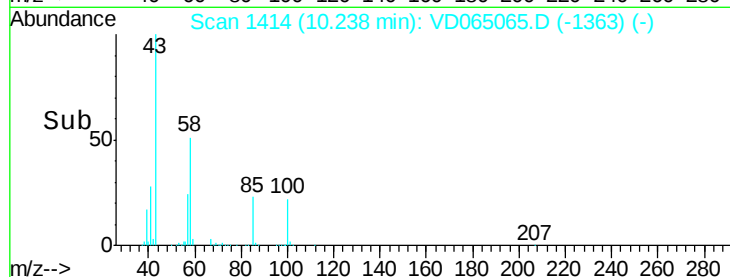
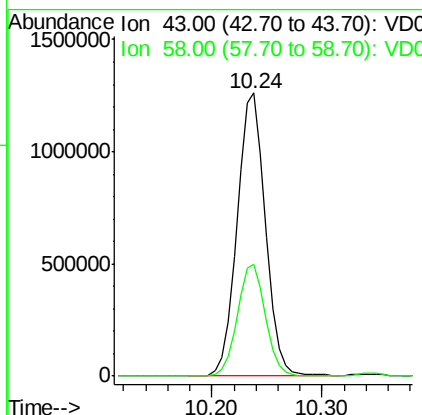
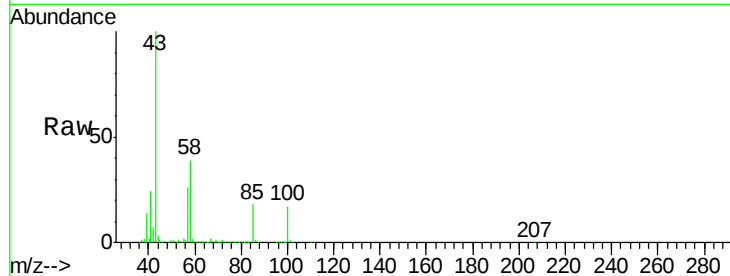




#51
4-Methyl-2-Pentanone
Concen: 711.76 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

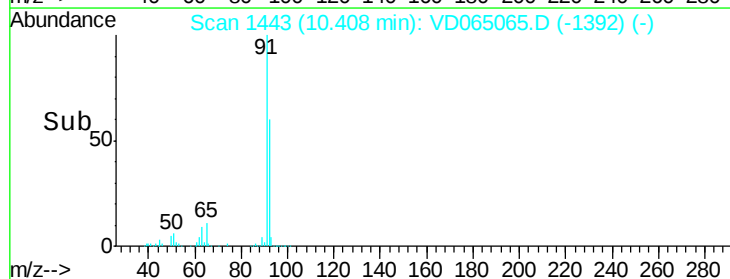
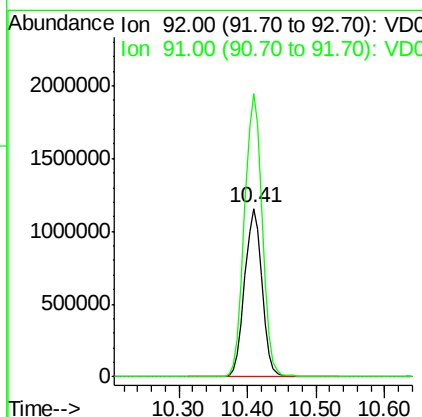
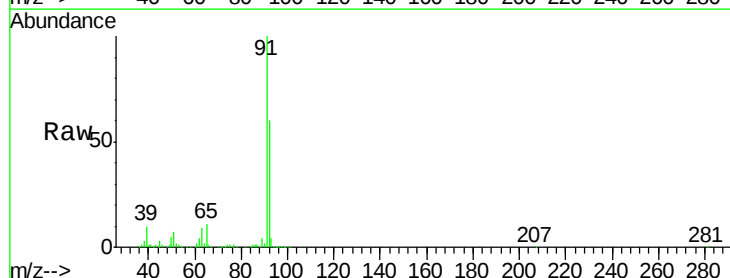
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

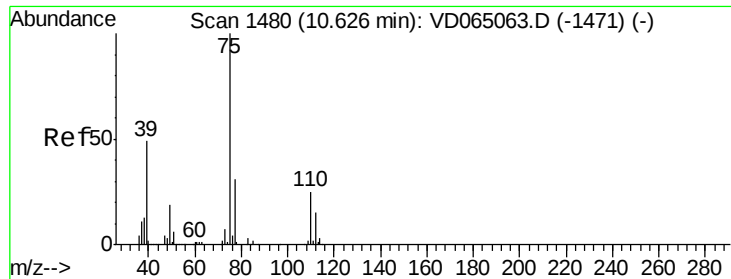
Tgt Ion: 43 Resp: 2271653
Ion Ratio Lower Upper
43 100
58 39.0 30.2 45.2



#52
Toluene
Concen: 140.38 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 92 Resp: 2047451
Ion Ratio Lower Upper
92 100
91 171.1 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 143.85 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

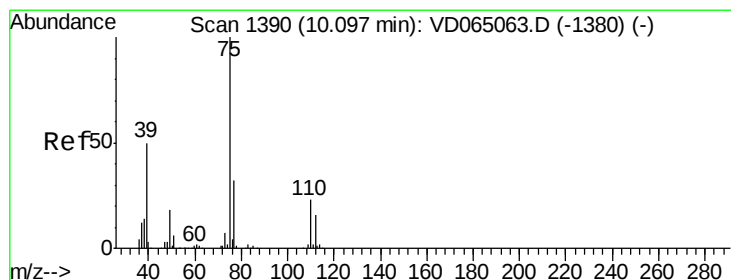
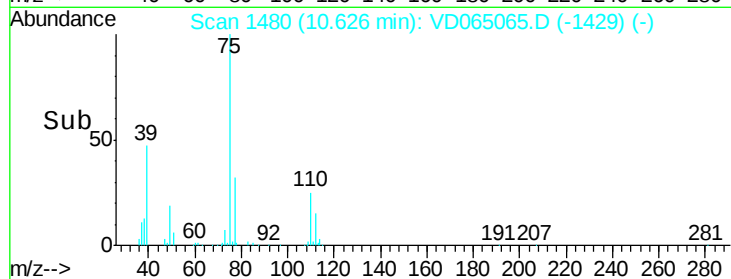
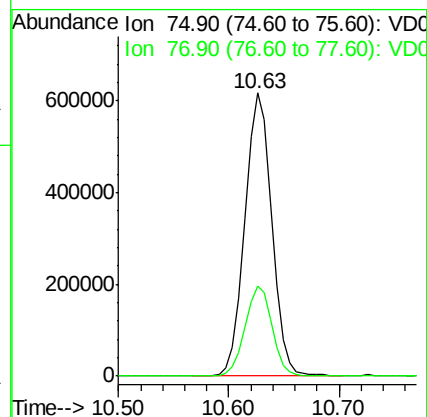
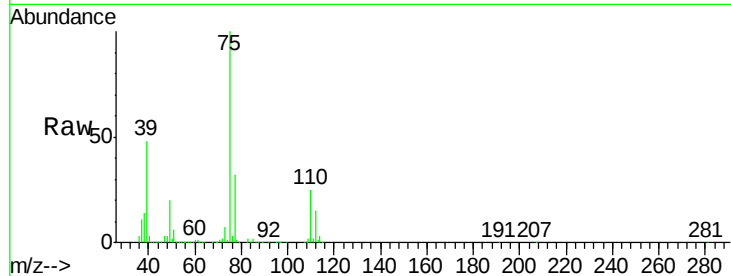
VSTDIC150

Tgt Ion: 75 Resp: 1061656

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 143.58 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

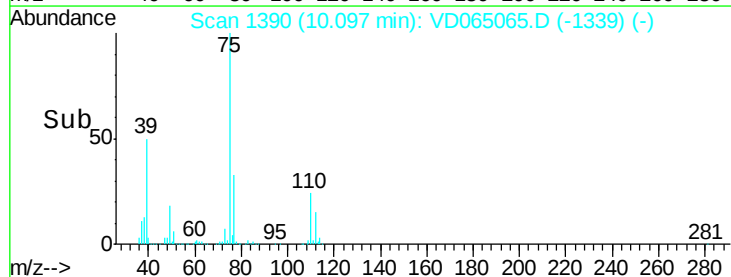
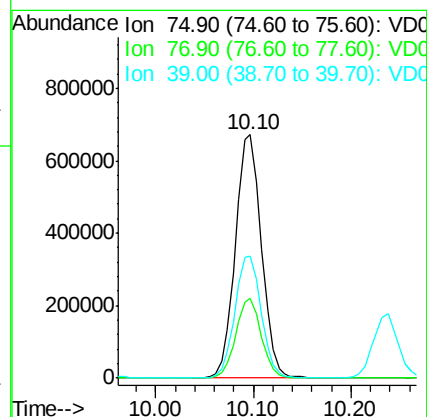
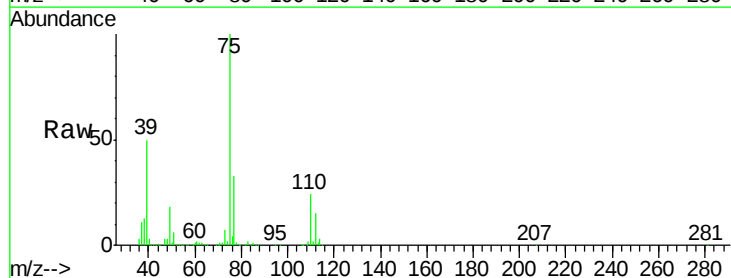
Tgt Ion: 75 Resp: 1245767

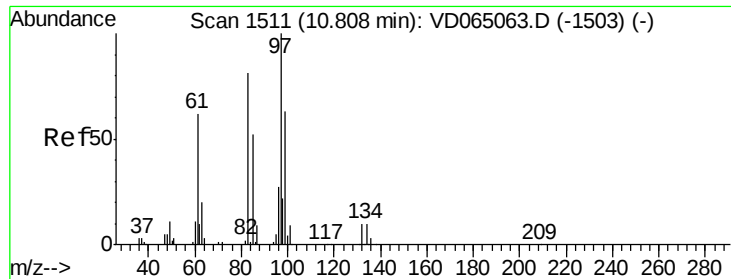
Ion Ratio Lower Upper

75 100

77 32.8 25.3 37.9

39 50.3 40.3 60.5

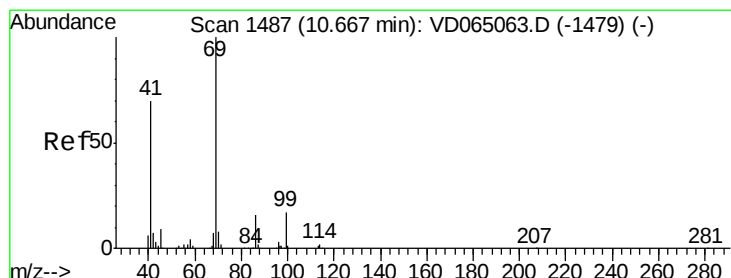
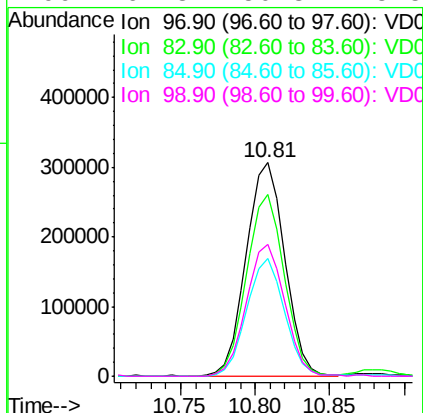
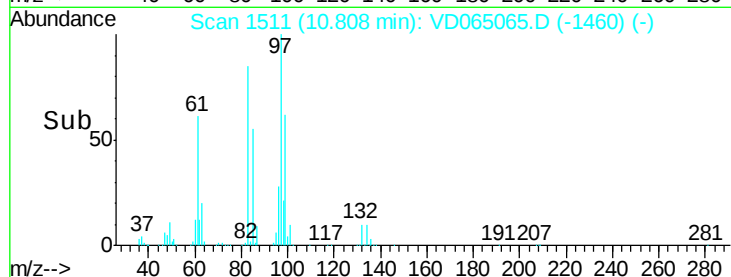
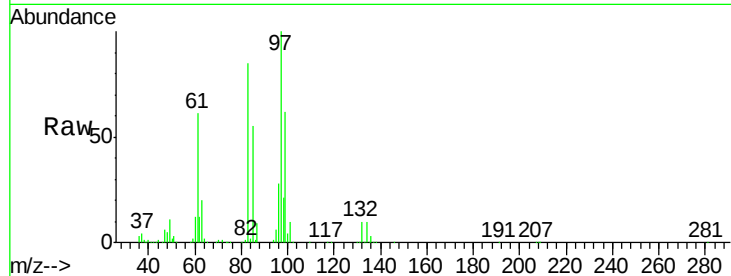




#55
 1,1,2-Trichloroethane
 Concen: 136.97 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

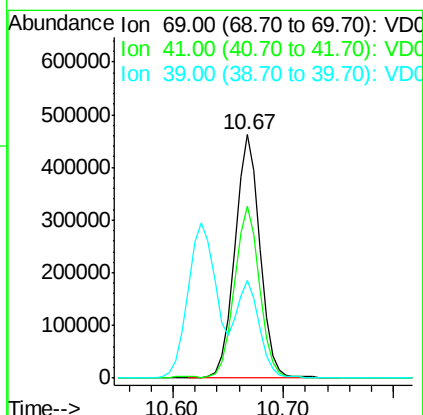
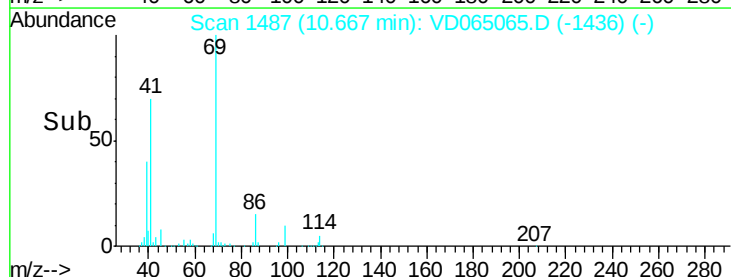
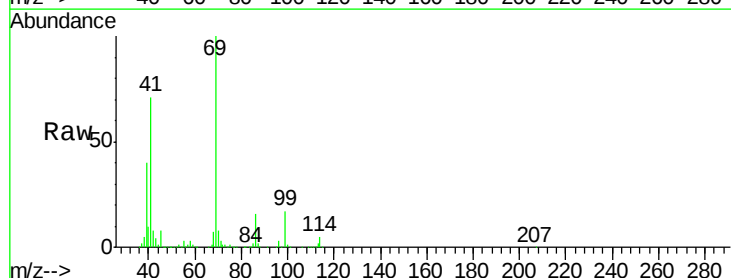
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

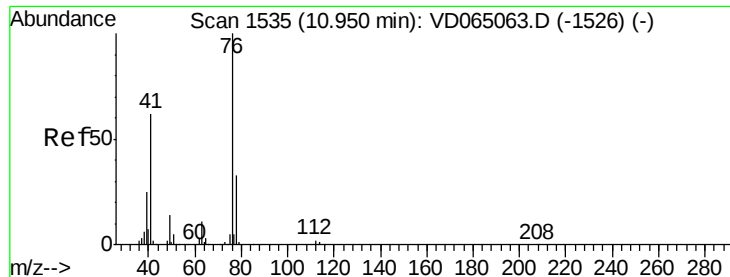
Tgt Ion: 97 Resp: 548338
 Ion Ratio Lower Upper
 97 100
 83 85.1 64.8 97.2
 85 55.2 41.2 61.8
 99 61.8 50.3 75.5



#56
 Ethyl methacrylate
 Concen: 153.67 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion: 69 Resp: 738217
 Ion Ratio Lower Upper
 69 100
 41 70.0 55.9 83.9
 39 37.3 29.4 44.0





#57

1,3-Dichloropropane

Concen: 140.13 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

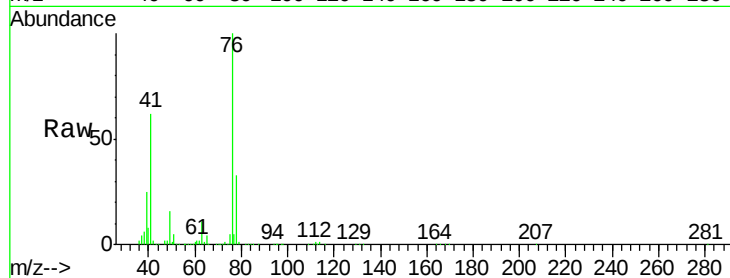
VSTDIC150

Tgt Ion: 76 Resp: 964006

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

600000

500000

400000

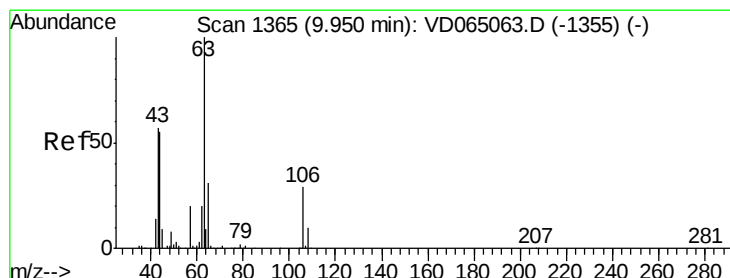
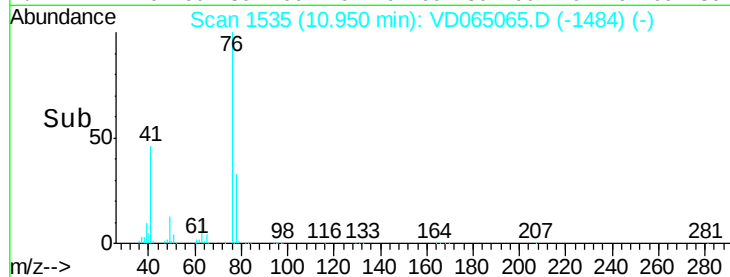
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 642.61 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065065.D

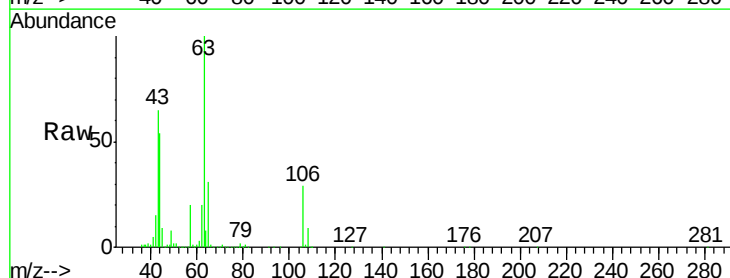
Acq: 05 Feb 2020 15:31

Tgt Ion: 63 Resp: 1075232

Ion Ratio Lower Upper

63 100

106 29.8 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

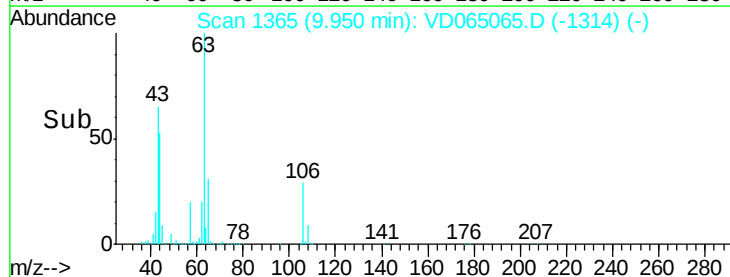
600000

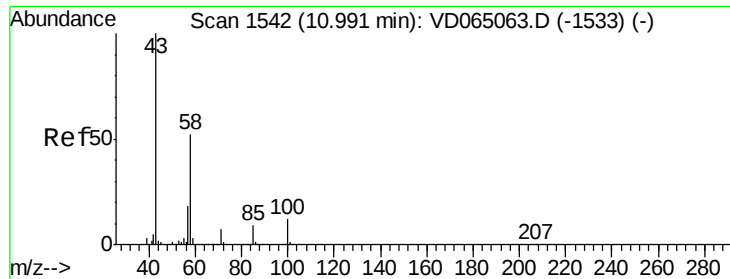
400000

200000

0

Time-->

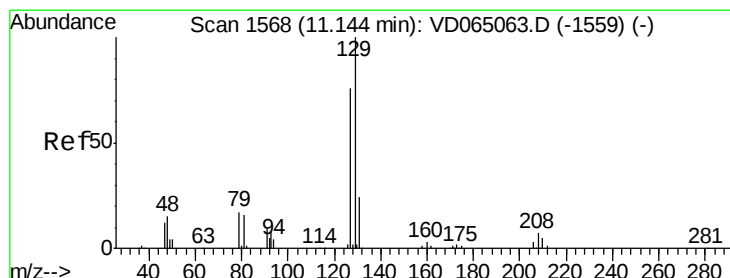
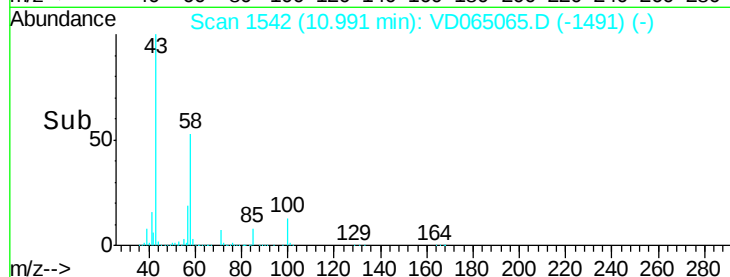
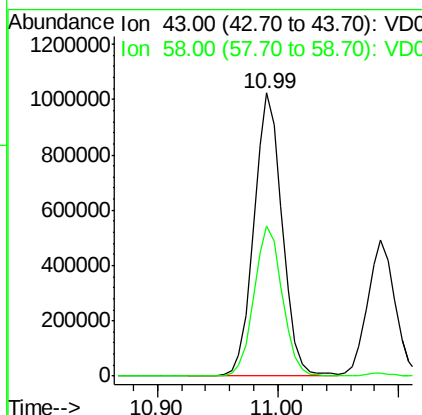
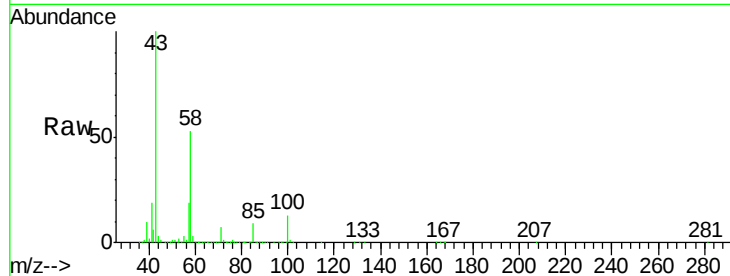




#59
2-Hexanone
Concen: 754.38 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

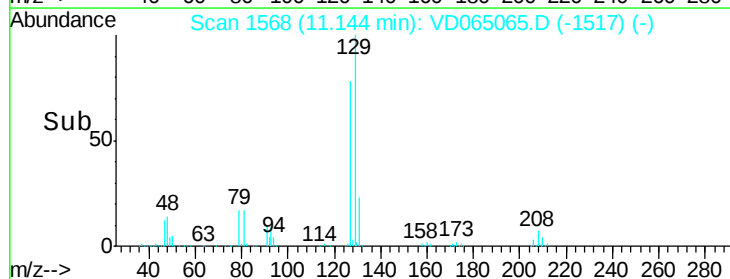
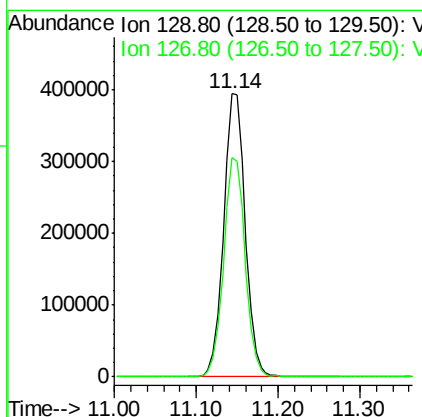
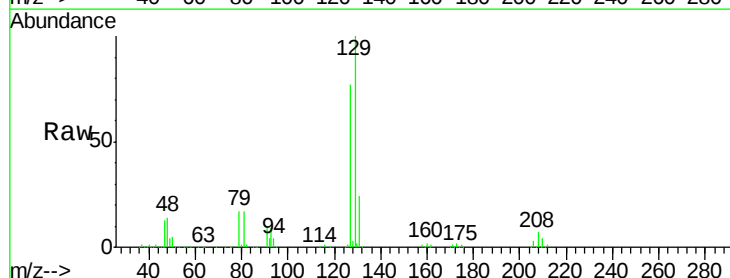
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

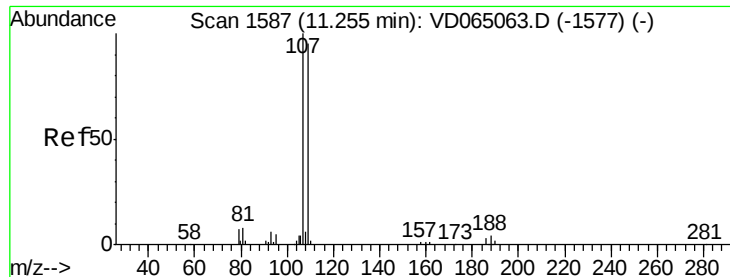
Tgt Ion: 43 Resp: 1666440
Ion Ratio Lower Upper
43 100
58 53.3 26.2 78.6



#60
Dibromochloromethane
Concen: 135.79 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 129 Resp: 724327
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9

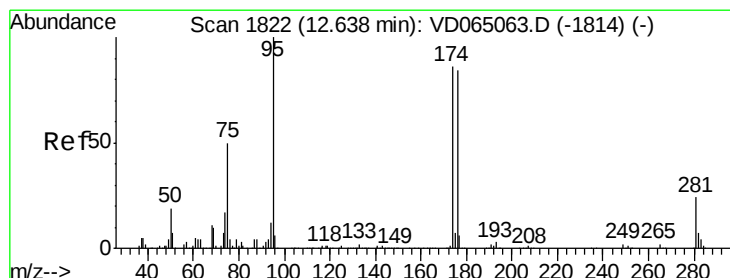
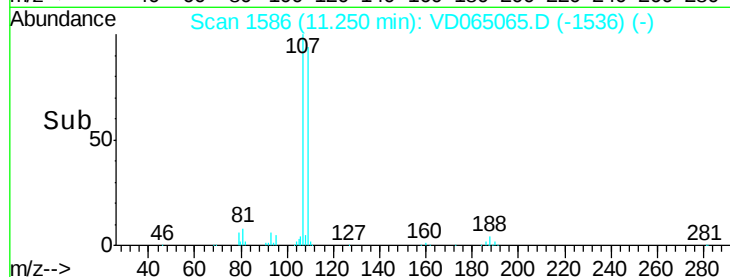
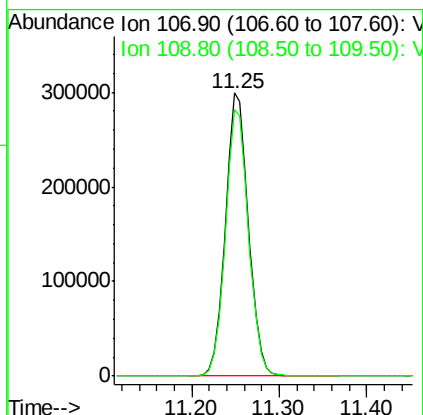
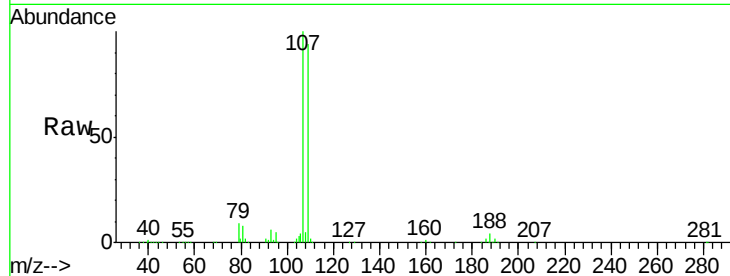




#61
 1,2-Dibromoethane
 Concen: 139.10 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

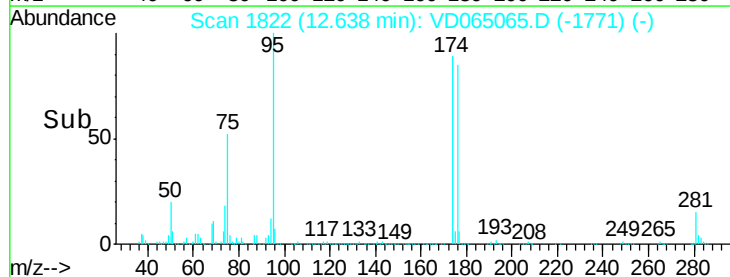
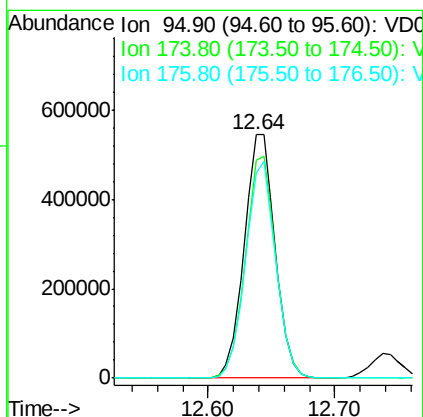
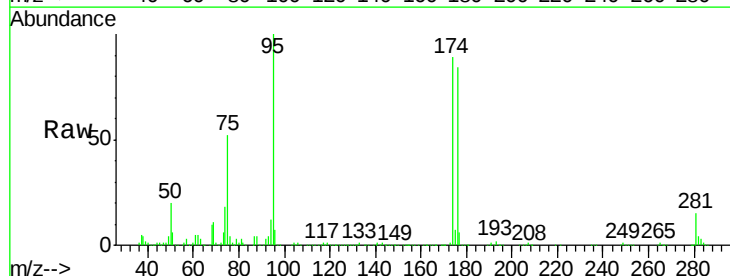
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

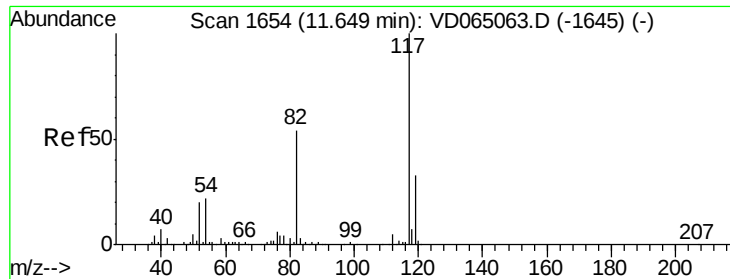
Tgt Ion: 107 Resp: 537398
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 146.54 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion: 95 Resp: 921754
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 180.0
 176 86.9 0.0 173.2

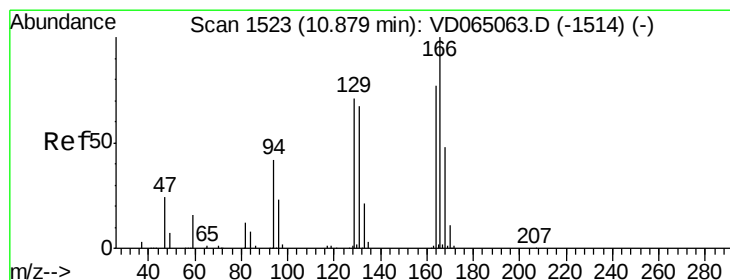
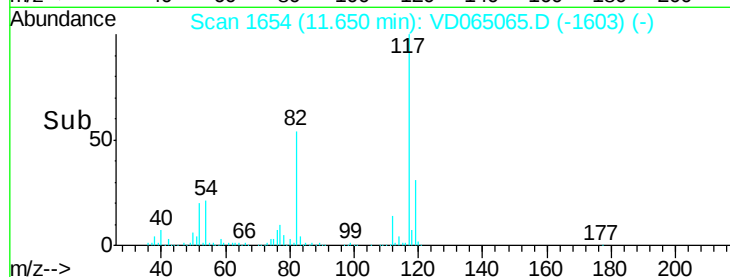
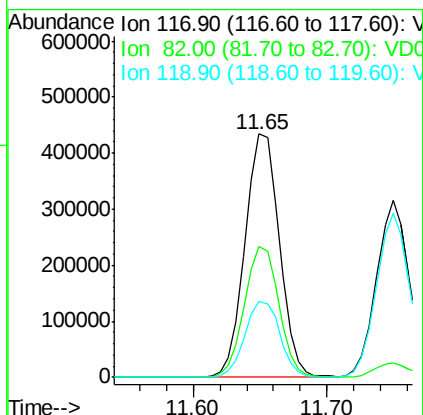
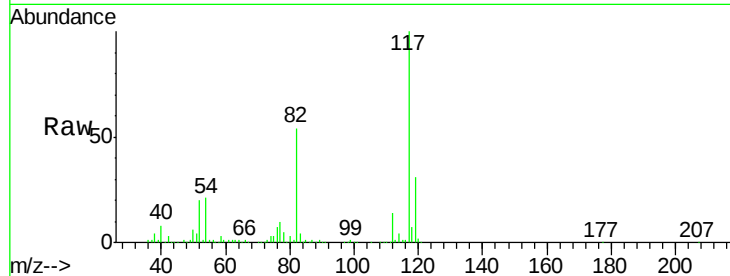




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

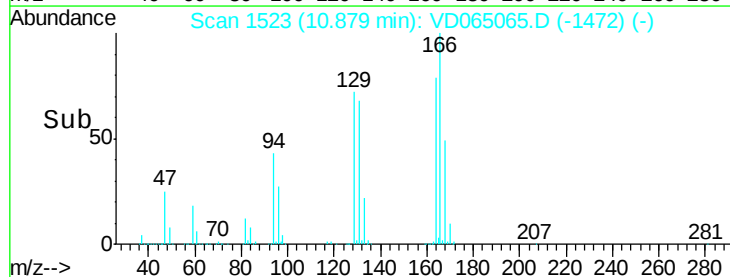
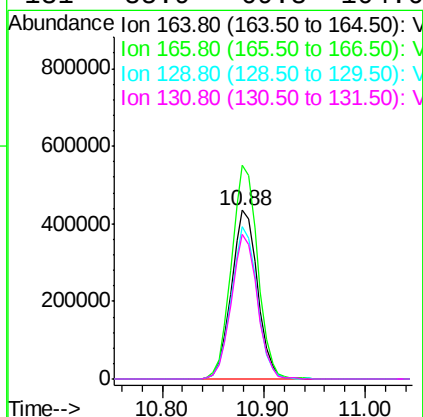
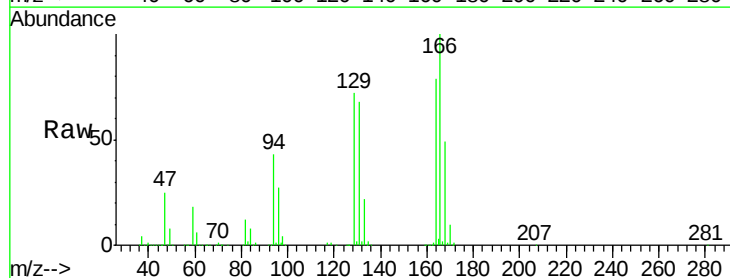
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

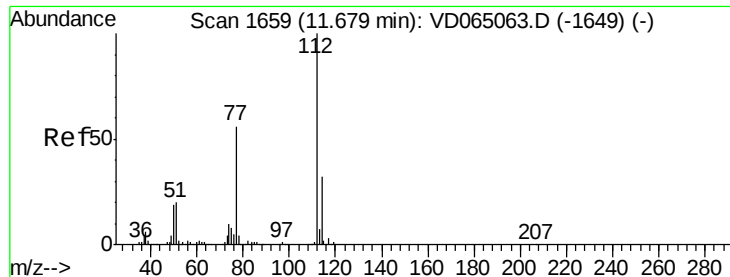
Tgt Ion:117 Resp: 774990
Ion Ratio Lower Upper
117 100
82 53.7 43.1 64.7
119 31.3 26.0 39.0



#64
Tetrachloroethene
Concen: 138.20 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion:164 Resp: 776783
Ion Ratio Lower Upper
164 100
166 126.6 103.5 155.3
129 90.6 73.3 109.9
131 85.9 69.8 104.6

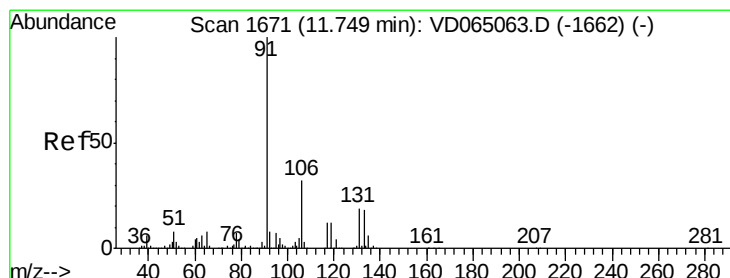
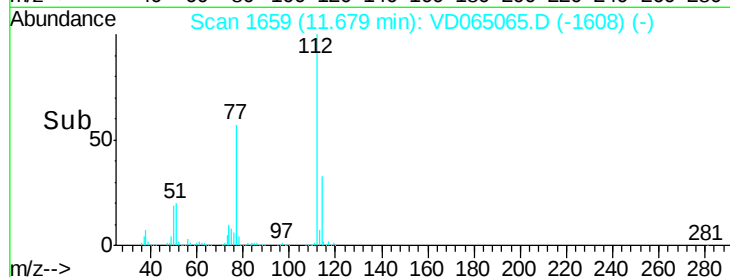
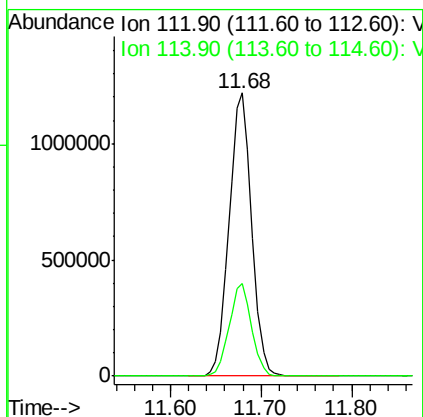
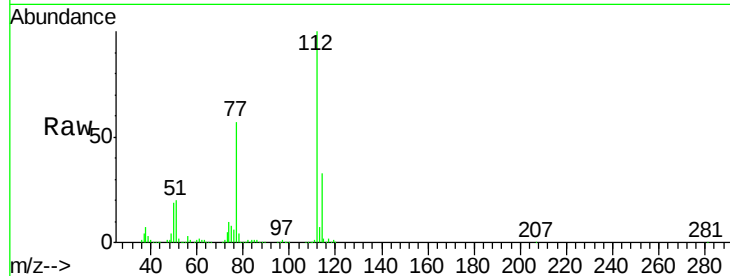




#65
Chlorobenzene
Concen: 133.44 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

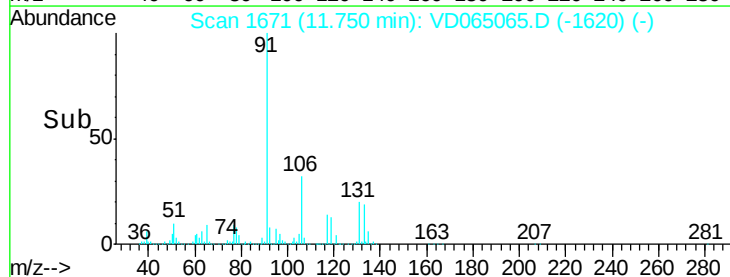
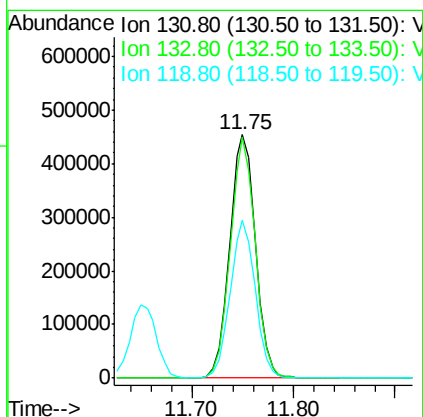
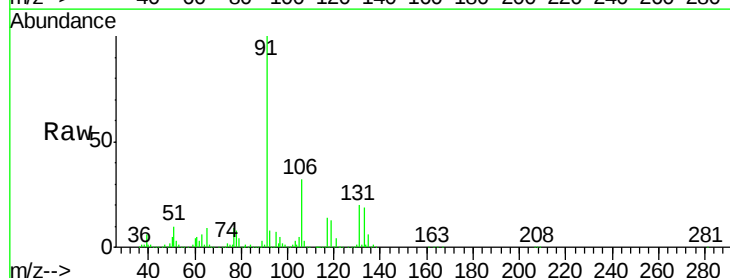
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

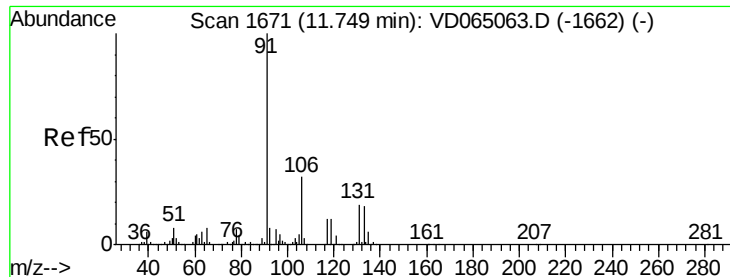
Tgt Ion:112 Resp: 2104789
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 134.84 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion:131 Resp: 796247
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 63.3 31.3 93.8





#67

Ethyl Benzene

Concen: 137.34 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

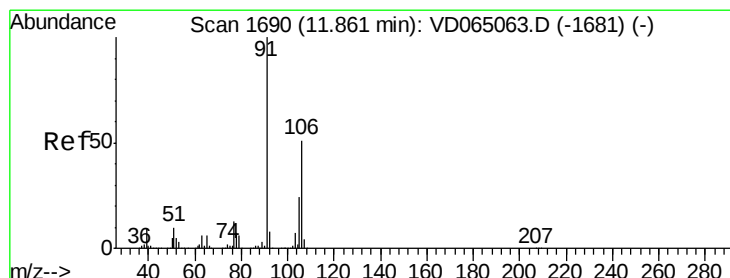
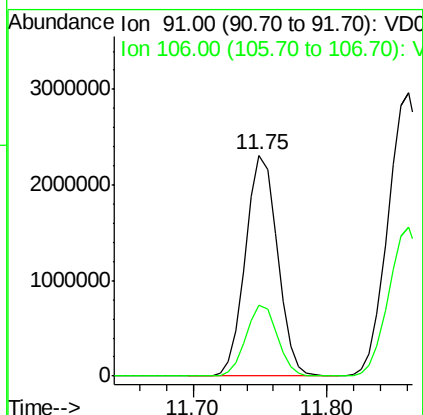
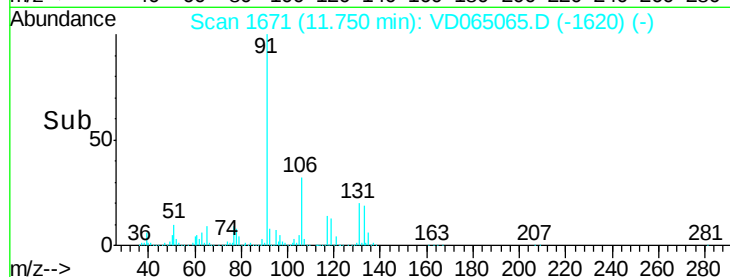
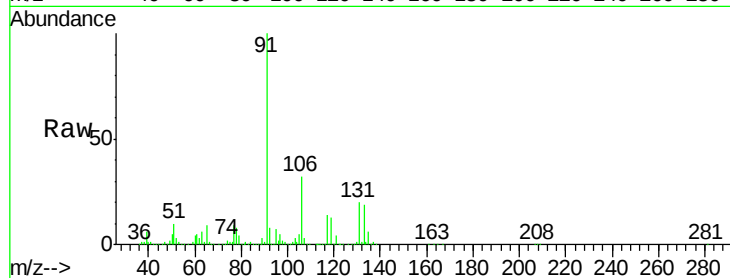
VSTDIC150

Tgt Ion: 91 Resp: 3839768

Ion Ratio Lower Upper

91 100

106 32.1 25.4 38.2



#68

m/p-Xylenes

Concen: 274.30 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065065.D

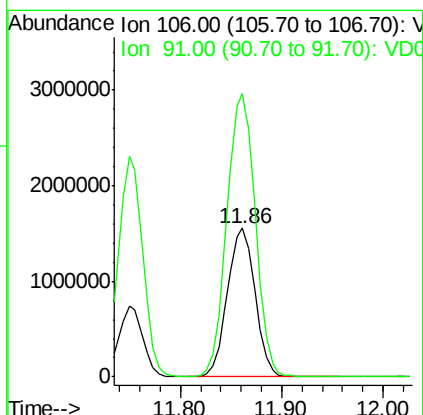
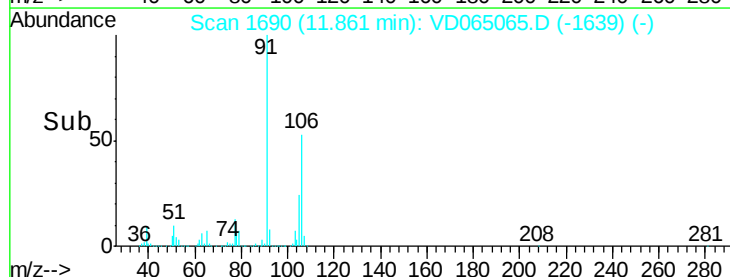
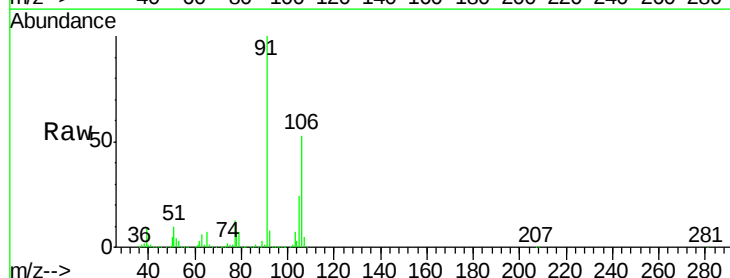
Acq: 05 Feb 2020 15:31

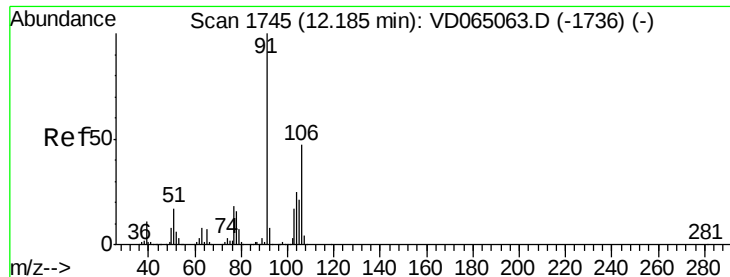
Tgt Ion: 106 Resp: 2951631

Ion Ratio Lower Upper

106 100

91 195.4 158.9 238.3

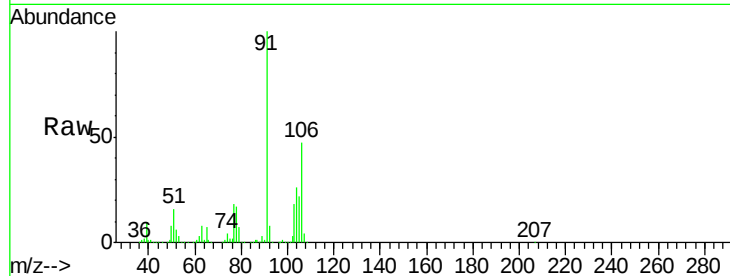




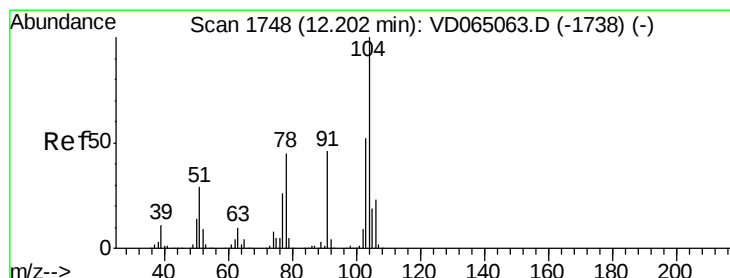
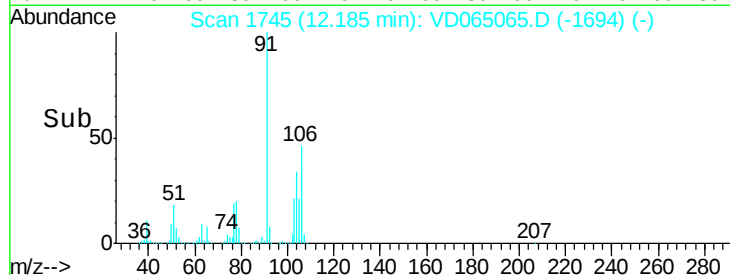
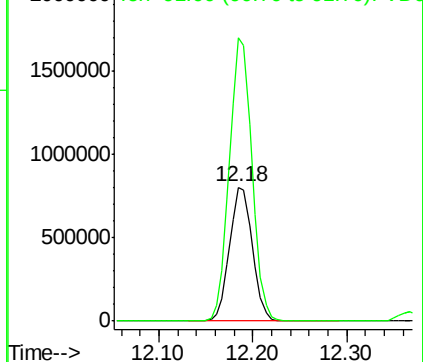
#69
o-Xylene
Concen: 141.62 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1355740
Ion Ratio Lower Upper
106 100
91 209.8 104.7 313.9

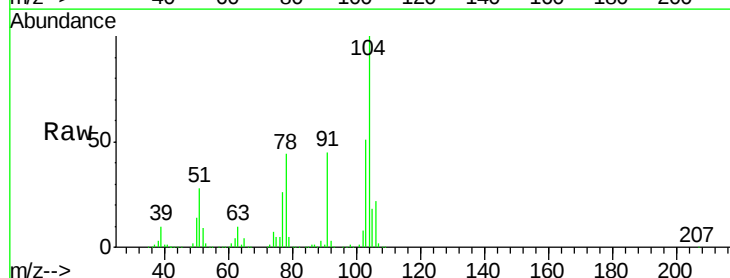


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

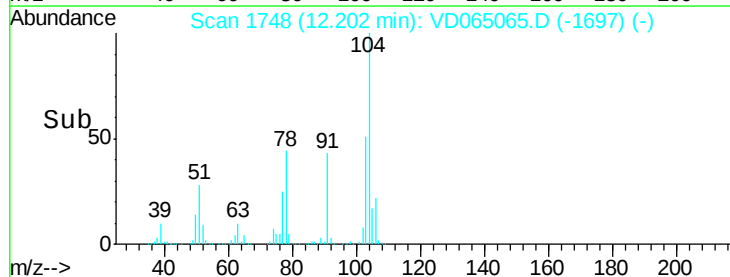
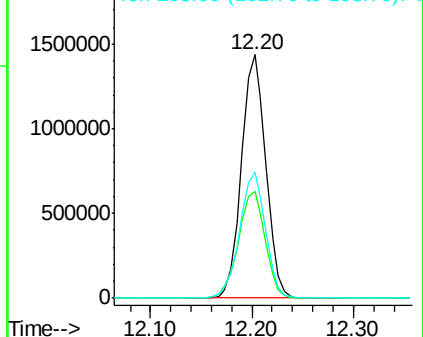


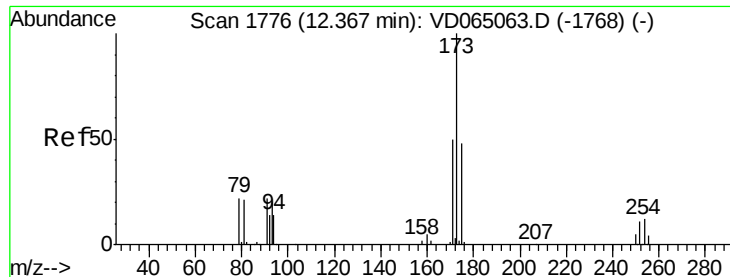
#70
Styrene
Concen: 141.31 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion:104 Resp: 2393486
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 54.7 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 132.40 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

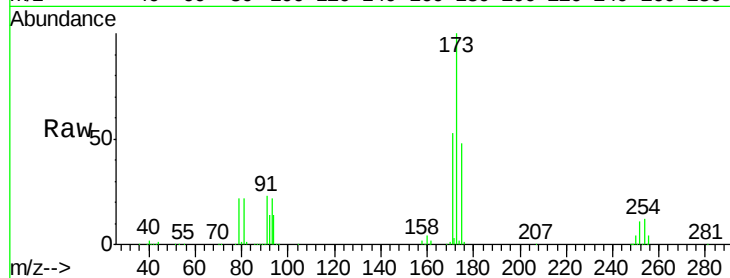
Tgt Ion:173 Resp: 430169

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

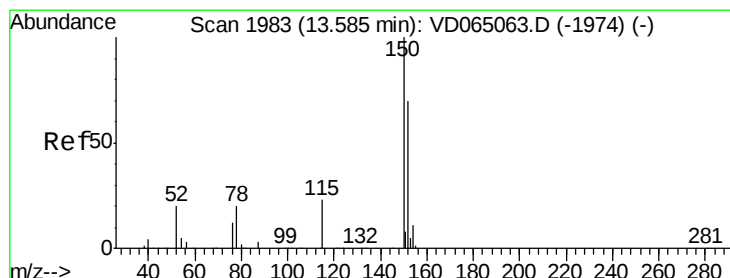
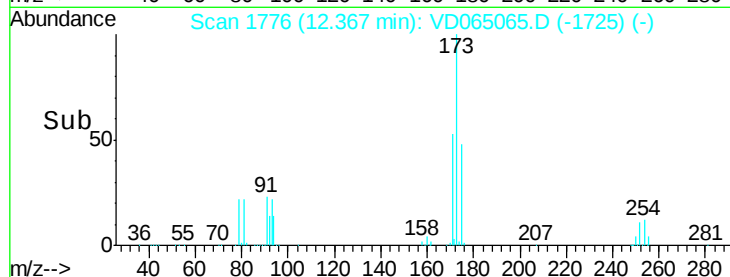
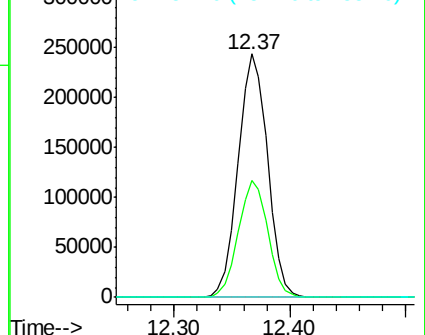
254 0.2 0.1 0.1#



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: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

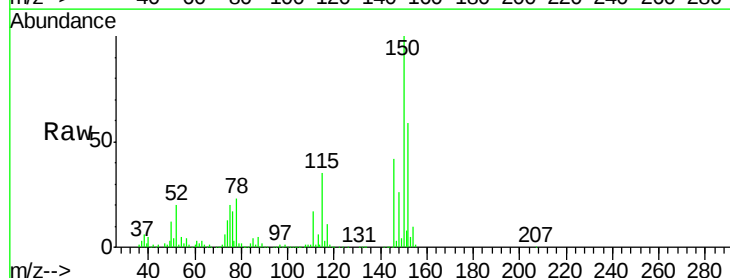
Tgt Ion:152 Resp: 367392

Ion Ratio Lower Upper

152 100

115 55.8 27.5 82.4

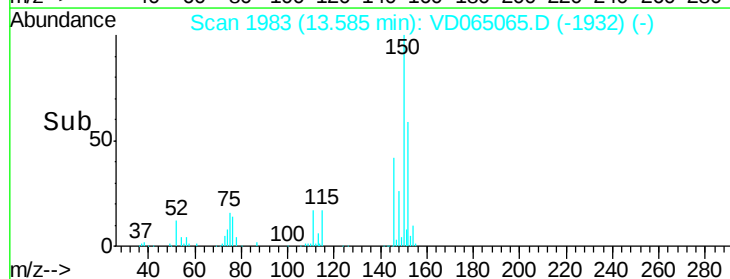
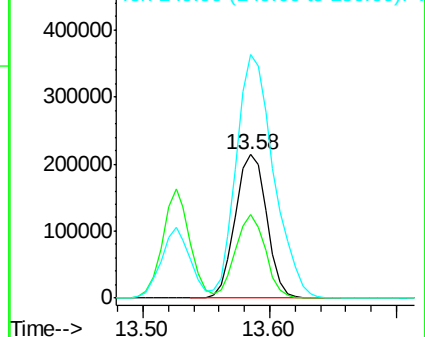
150 201.4 0.0 343.2

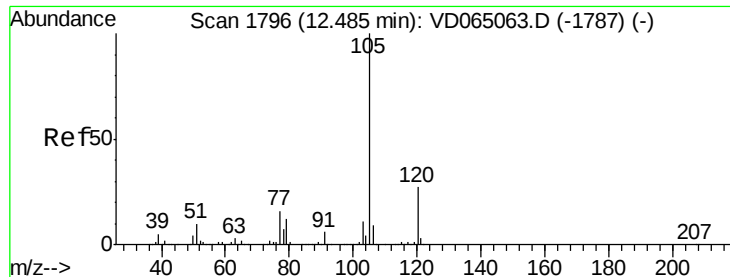


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 141.06 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

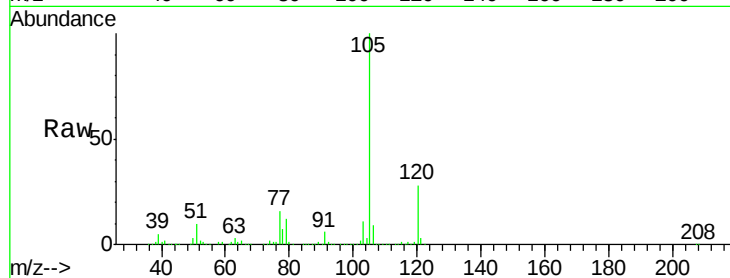
VSTDIC150

Tgt Ion:105 Resp: 3549877

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

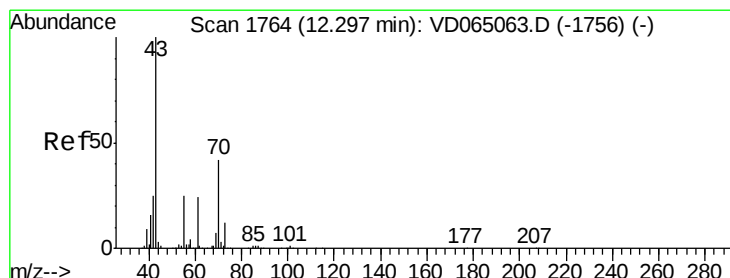
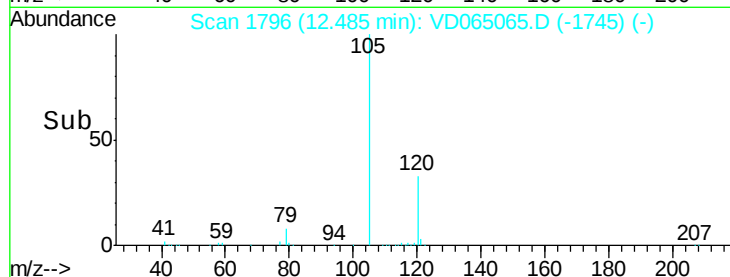
1000000

500000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 148.94 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Tgt Ion: 43 Resp: 833797

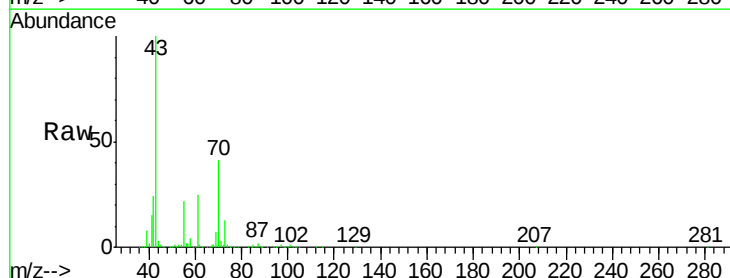
Ion Ratio Lower Upper

43 100

70 42.2 33.5 50.3

55 23.4 19.4 29.2

61 24.4 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

800000

600000

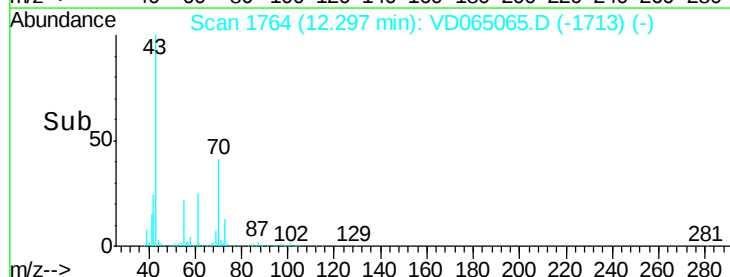
400000

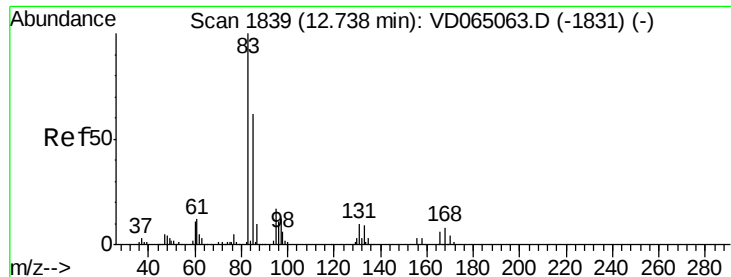
200000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 134.36 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

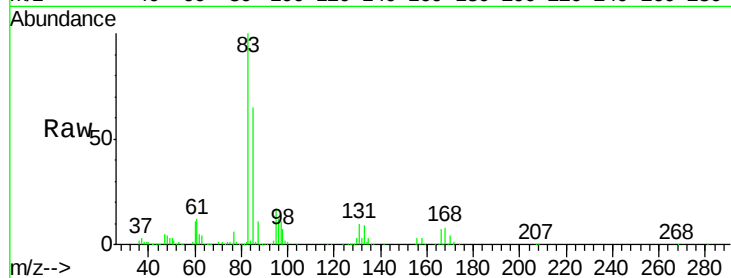
Tgt Ion: 83 Resp: 562421

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

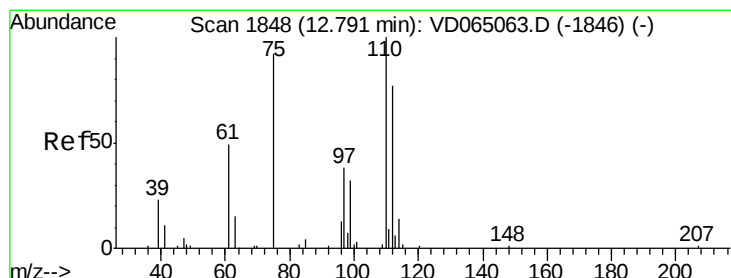
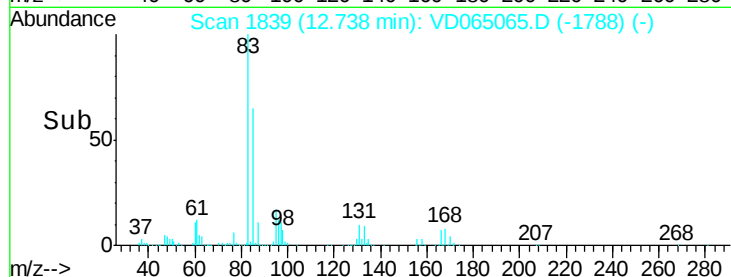
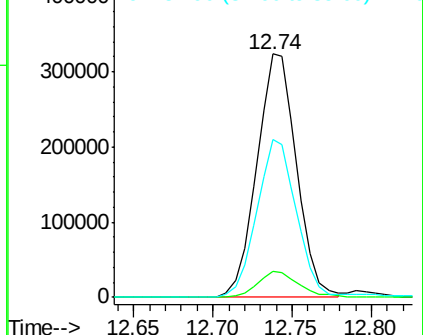
85 64.8 31.8 95.4



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: 262.04 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065065.D

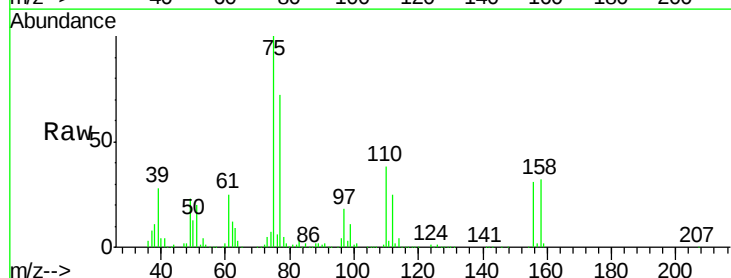
Acq: 05 Feb 2020 15:31

Tgt Ion: 75 Resp: 778538

Ion Ratio Lower Upper

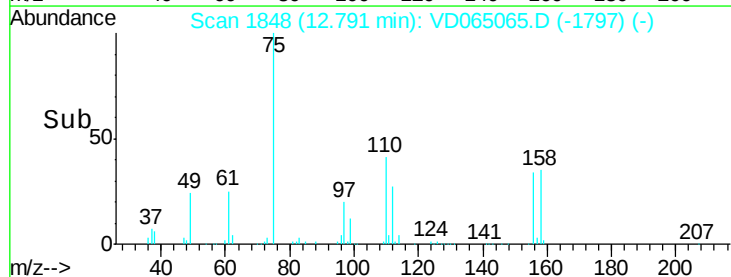
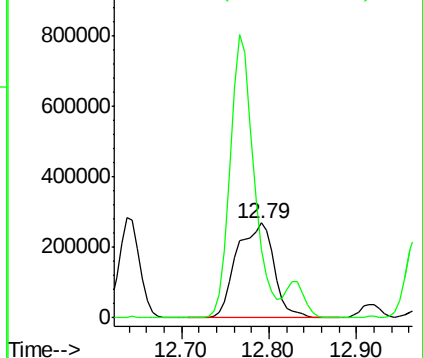
75 100

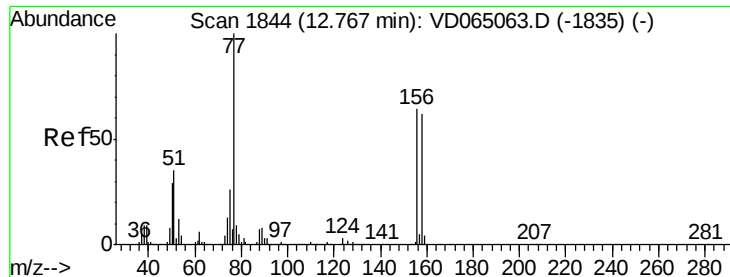
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 141.61 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

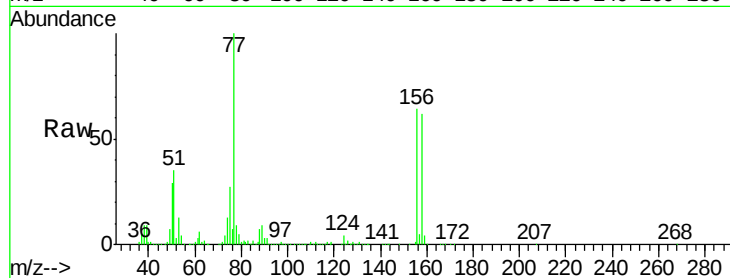
Tgt Ion:156 Resp: 869414

Ion Ratio Lower Upper

156 100

77 170.8 85.6 256.8

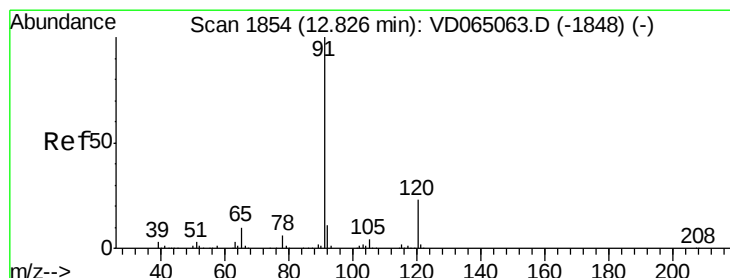
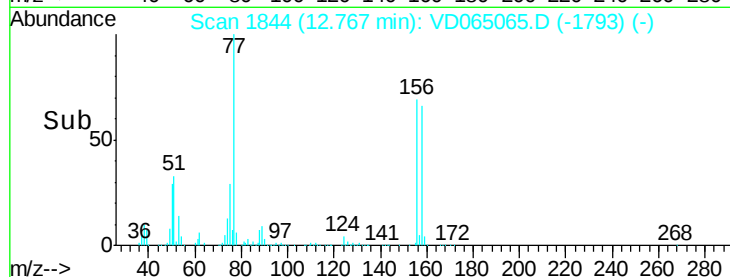
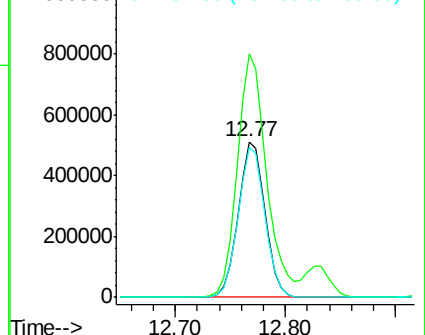
158 96.9 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 137.42 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065065.D

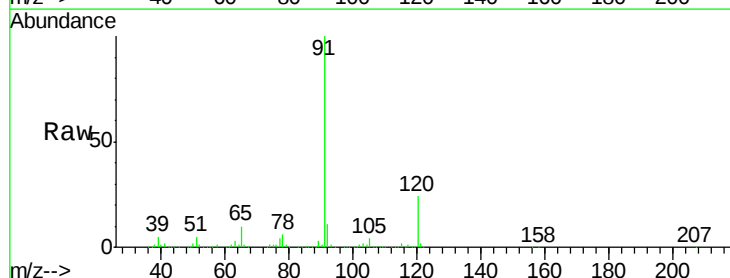
Acq: 05 Feb 2020 15:31

Tgt Ion: 91 Resp: 4109021

Ion Ratio Lower Upper

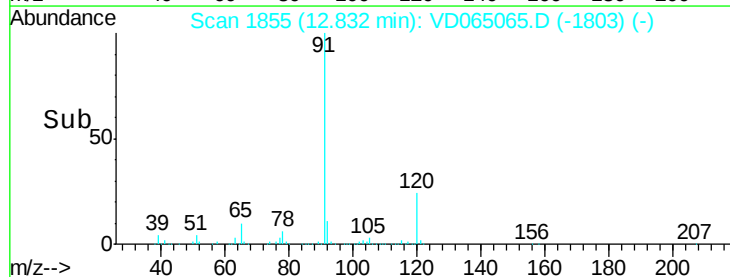
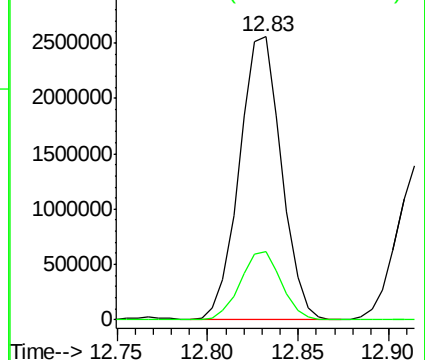
91 100

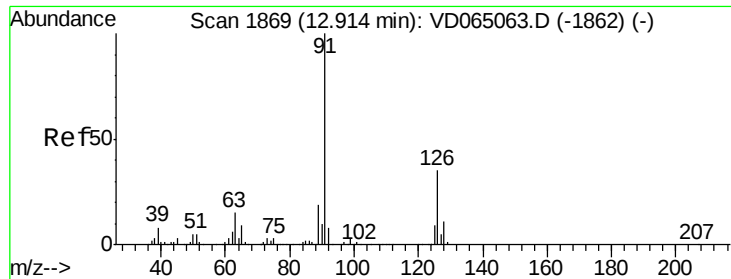
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

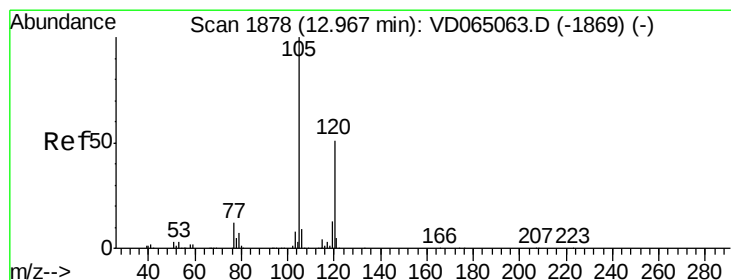
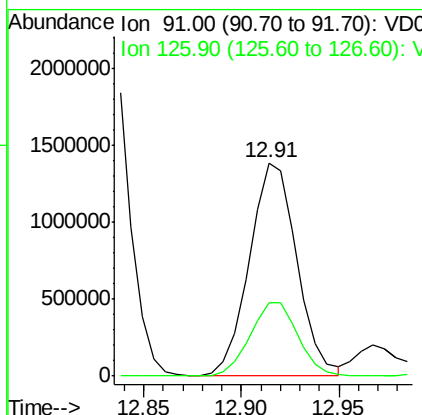
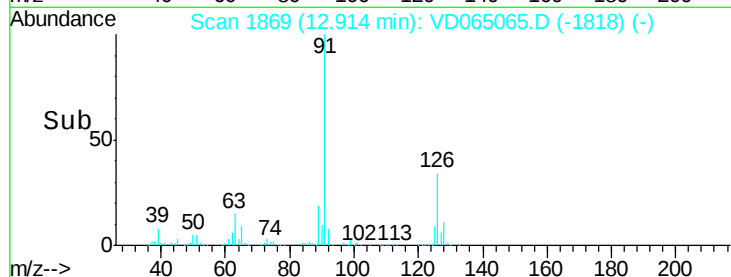
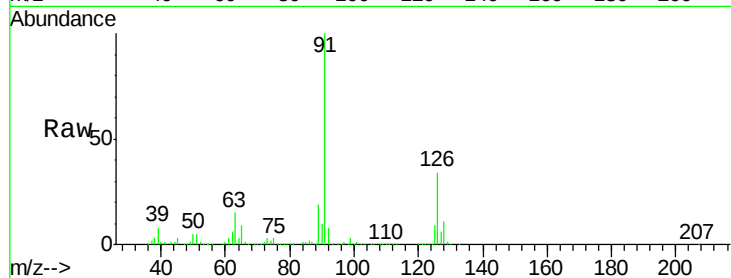




#79
 2-Chlorotoluene
 Concen: 141.99 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

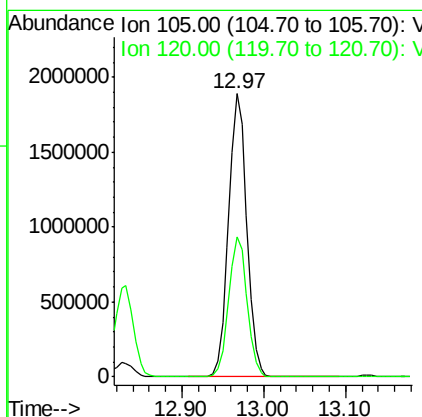
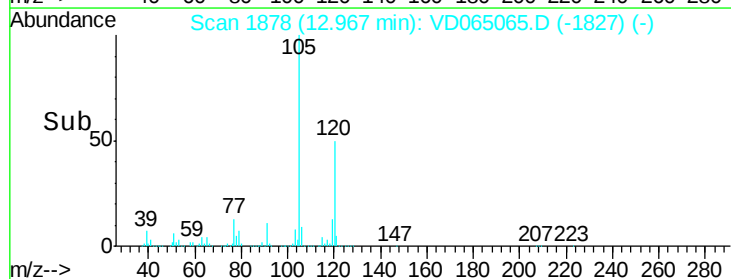
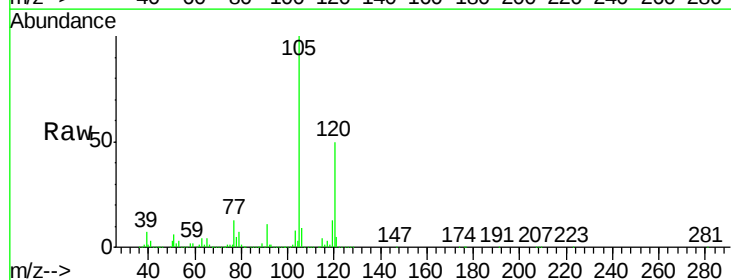
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

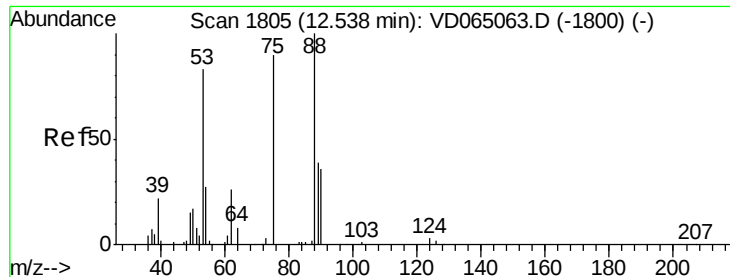
Tgt Ion: 91 Resp: 2333194
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 142.31 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion: 105 Resp: 2933620
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 144.04 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

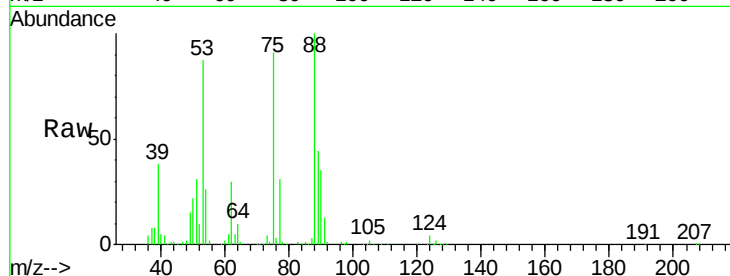
Tgt Ion: 75 Resp: 205195

Ion Ratio Lower Upper

75 100

53 97.3 78.5 117.7

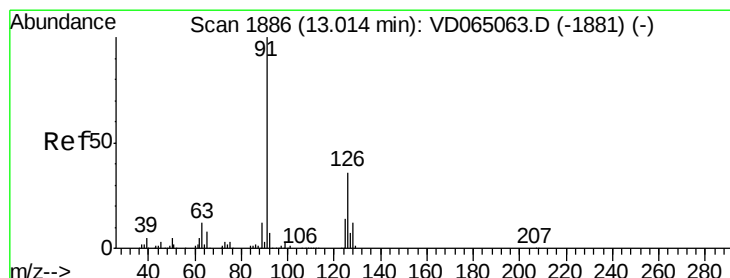
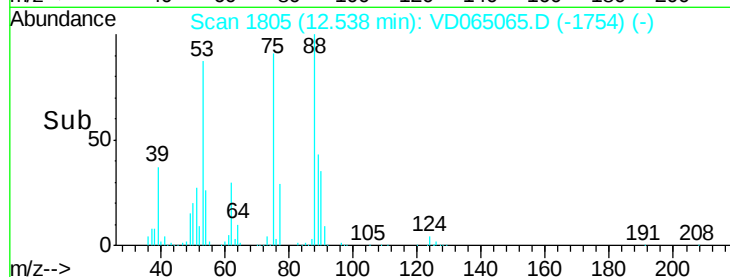
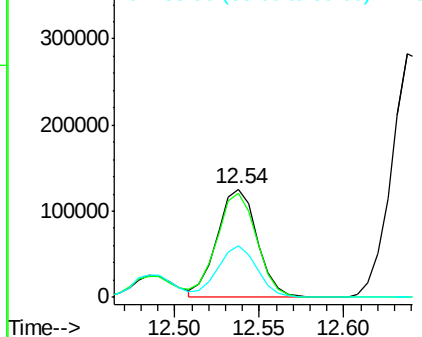
89 47.1 37.0 55.4



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



#82

4-Chlorotoluene

Concen: 141.22 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065065.D

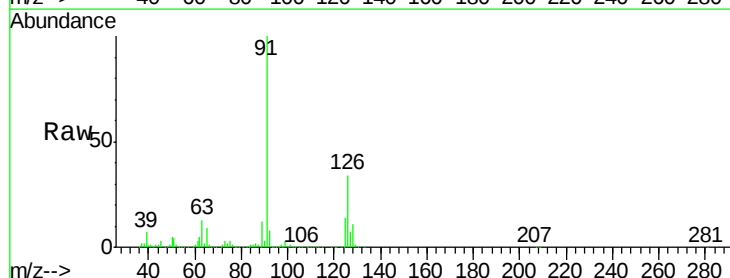
Acq: 05 Feb 2020 15:31

Tgt Ion: 91 Resp: 2458734

Ion Ratio Lower Upper

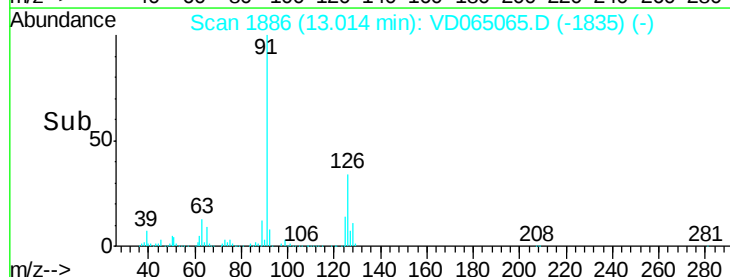
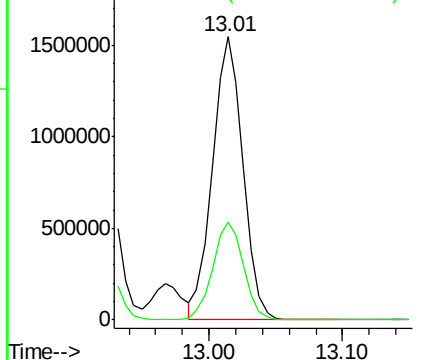
91 100

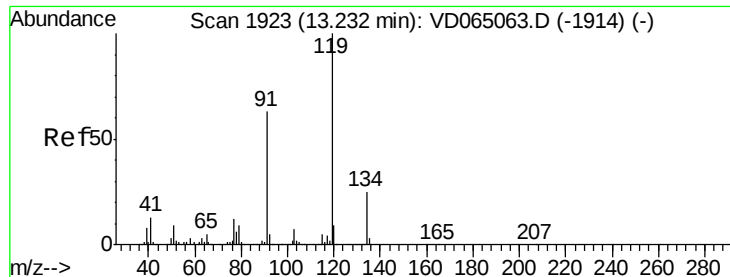
126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





#83

tert-Butylbenzene

Concen: 145.04 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

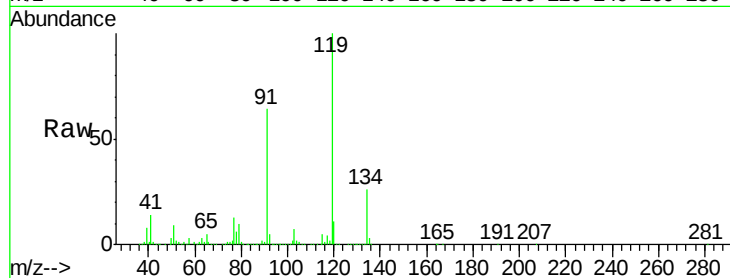
Tgt Ion:119 Resp: 2534378

Ion Ratio Lower Upper

119 100

91 61.7 32.3 96.9

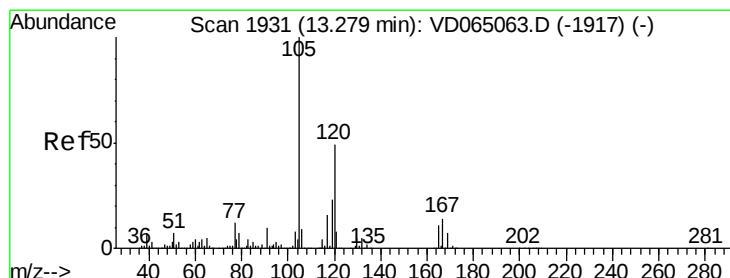
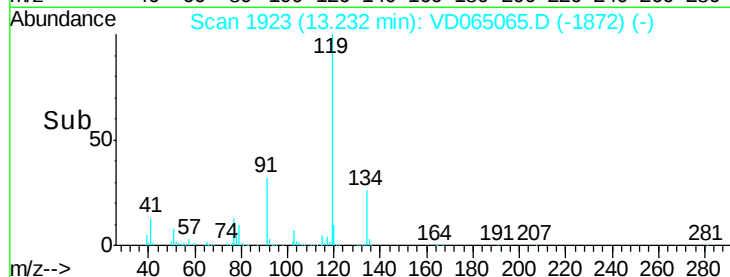
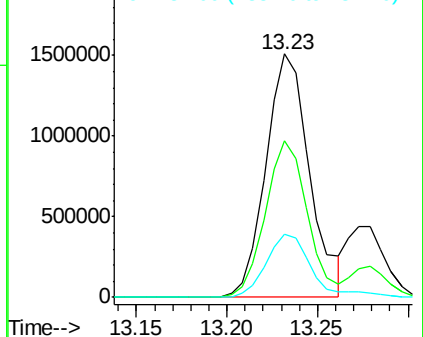
134 26.9 13.8 41.3



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: 140.75 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065065.D

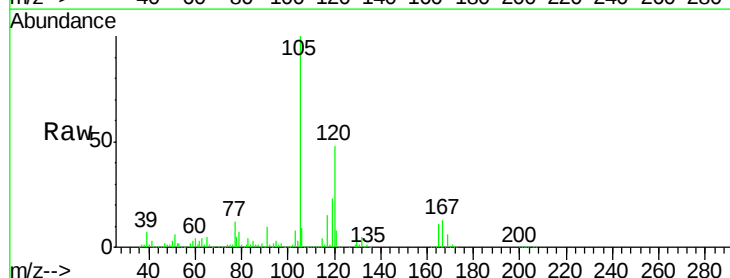
Acq: 05 Feb 2020 15:31

Tgt Ion:105 Resp: 2930425

Ion Ratio Lower Upper

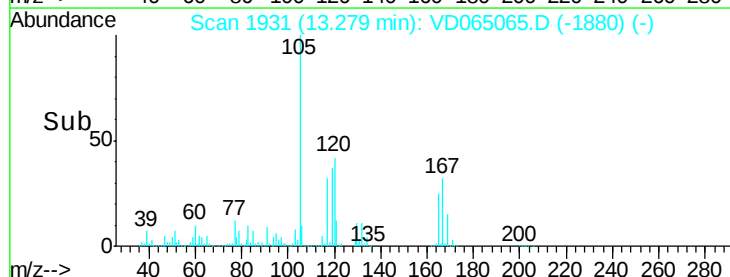
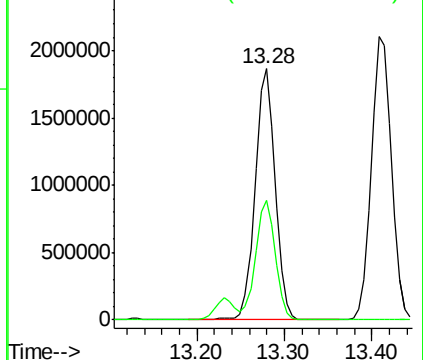
105 100

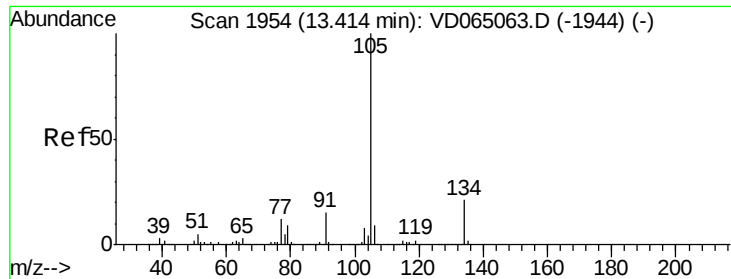
120 47.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 135.70 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

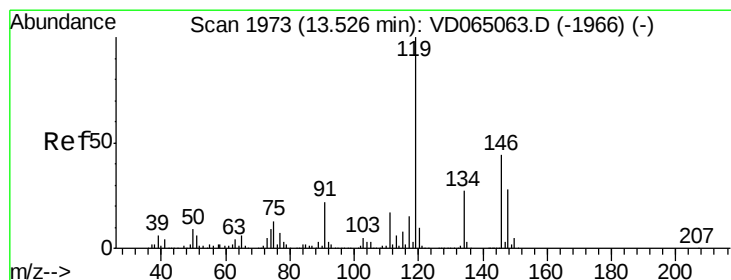
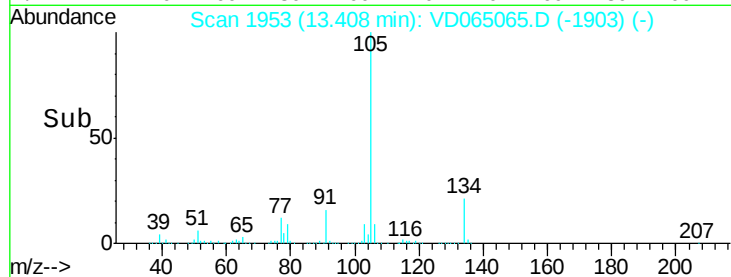
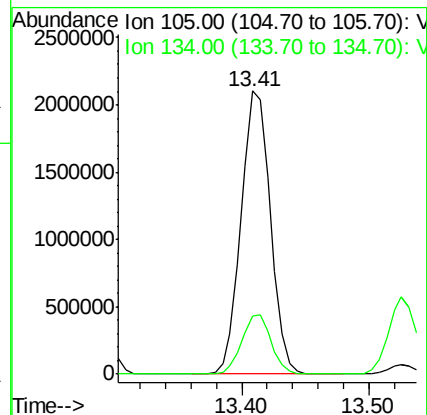
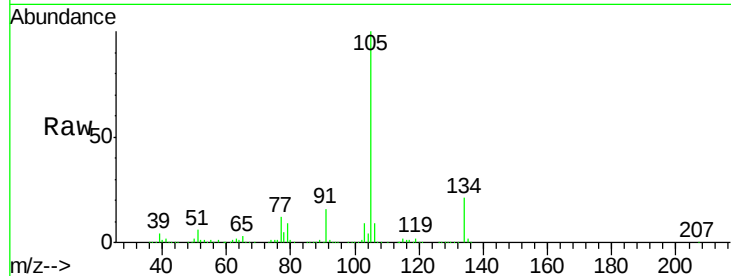
VSTDIC150

Tgt Ion:105 Resp: 3367556

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1



#86

p-Isopropyltoluene

Concen: 138.39 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

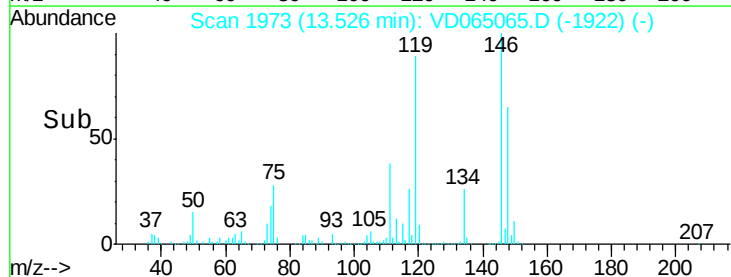
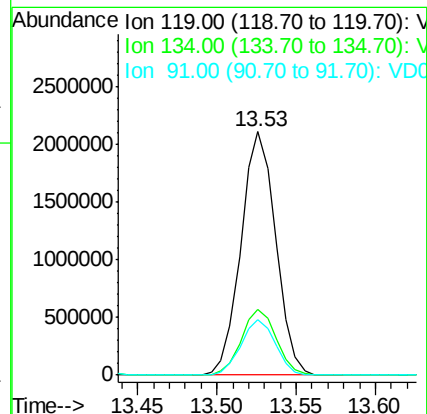
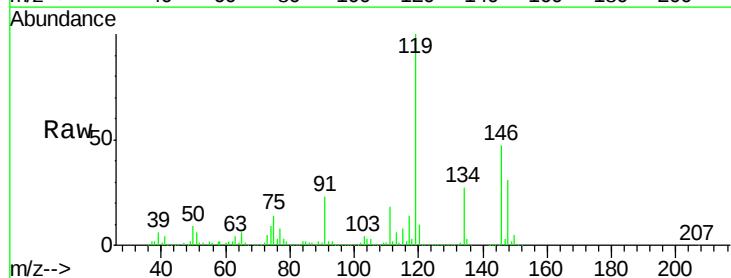
Tgt Ion:119 Resp: 3198708

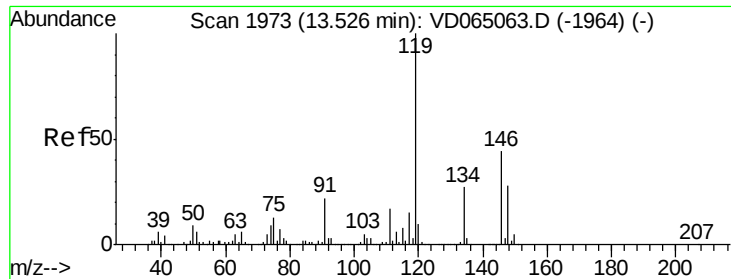
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.4 11.3 33.9

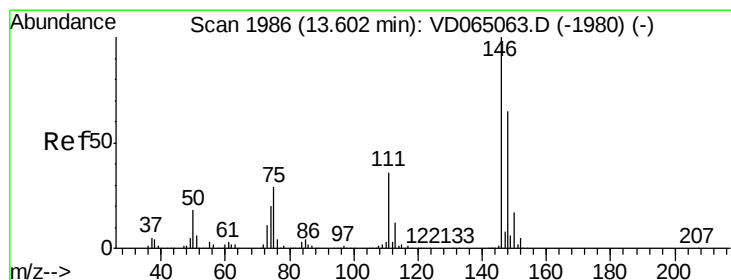
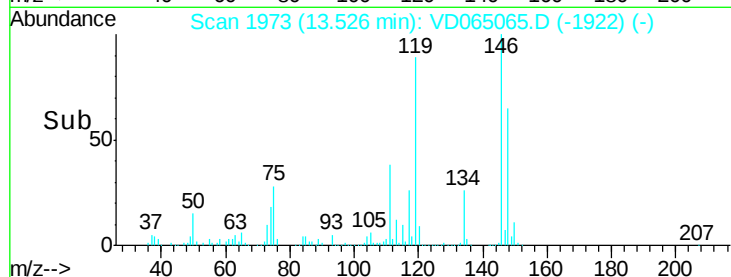
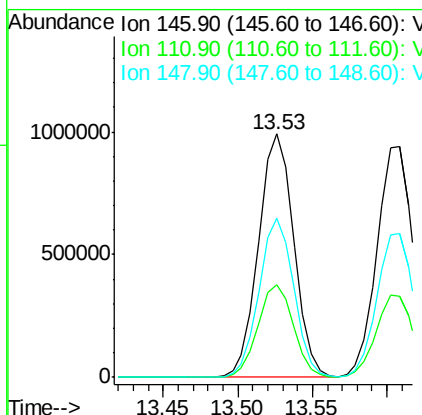
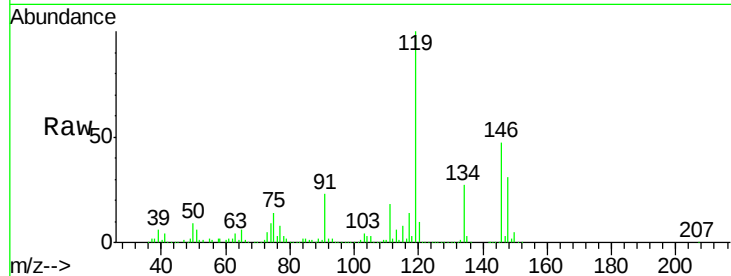




#87
1,3-Dichlorobenzene
Concen: 138.01 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

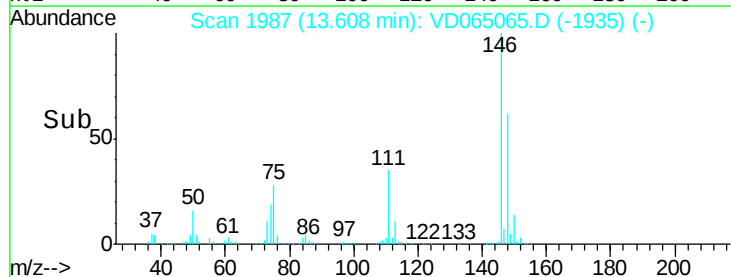
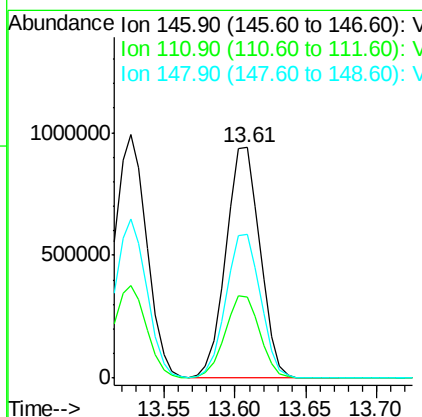
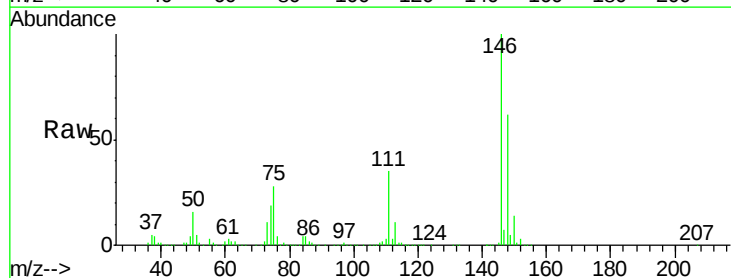
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 1622006
Ion Ratio Lower Upper
146 100
111 38.2 19.4 58.4
148 64.4 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 135.78 ug/l
RT: 13.61 min Scan# 1987
Delta R.T. 0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion:146 Resp: 1583544
Ion Ratio Lower Upper
146 100
111 36.1 18.5 55.5
148 63.3 32.7 98.1





#89

n-Butylbenzene

Concen: 137.06 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

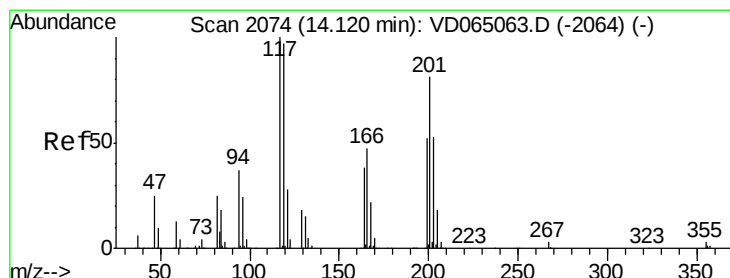
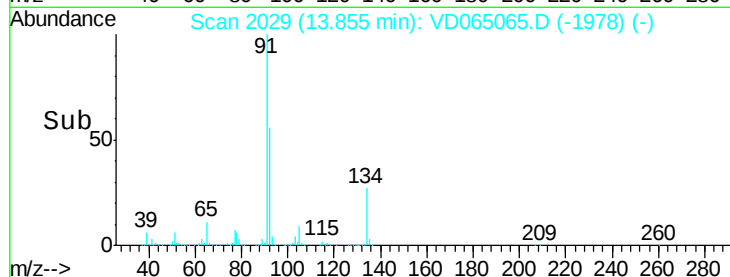
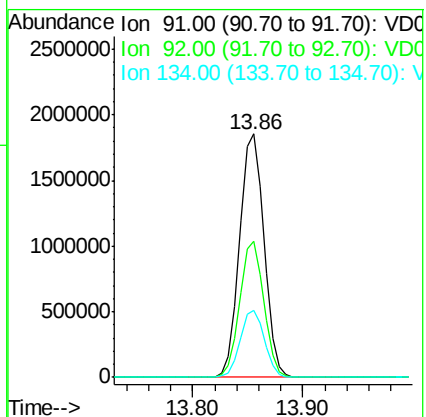
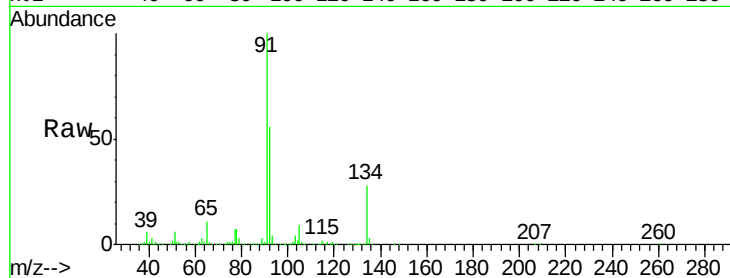
Tgt Ion: 91 Resp: 2891604

Ion Ratio Lower Upper

91 100

92 54.9 26.7 80.1

134 27.3 13.4 40.2



#90

Hexachloroethane

Concen: 132.19 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065065.D

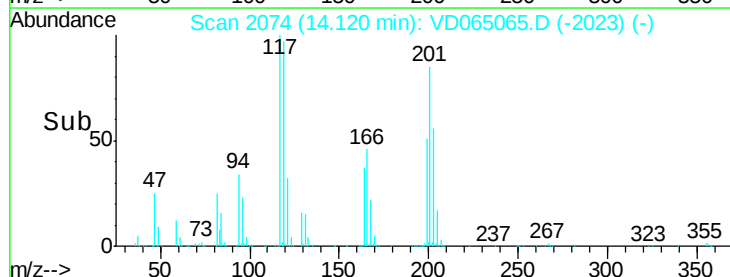
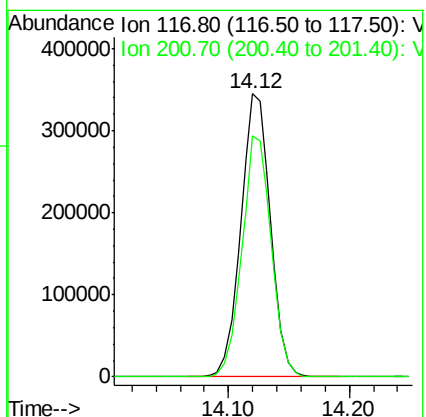
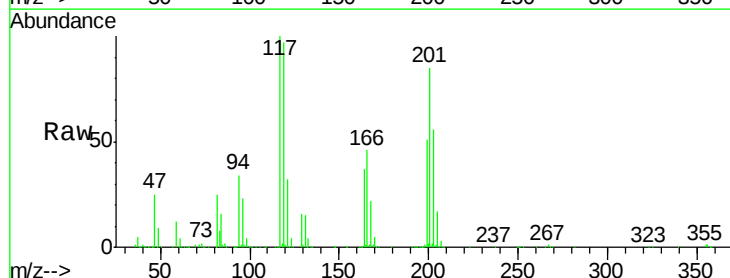
Acq: 05 Feb 2020 15:31

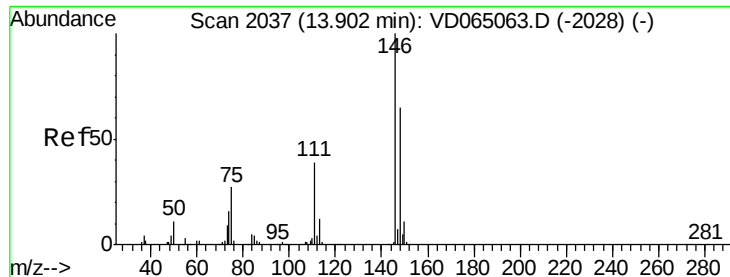
Tgt Ion: 117 Resp: 587844

Ion Ratio Lower Upper

117 100

201 84.2 42.5 127.6

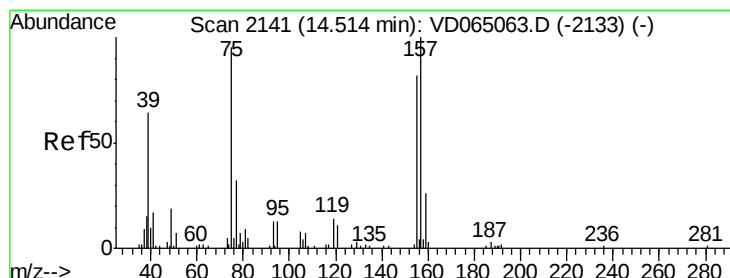
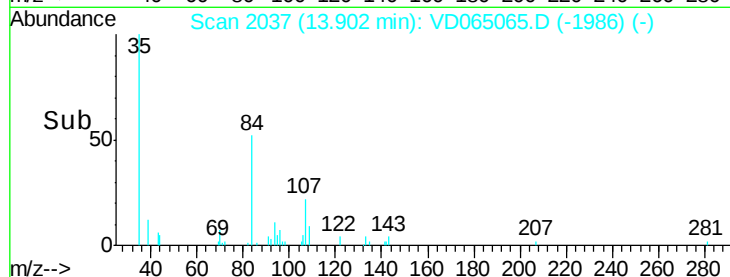
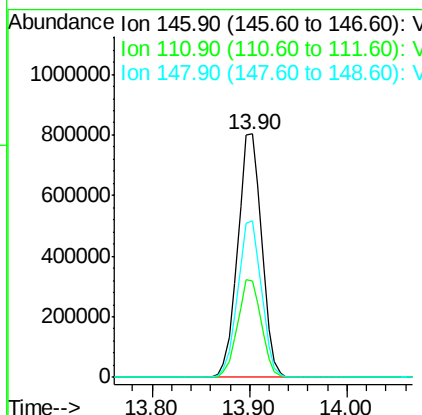
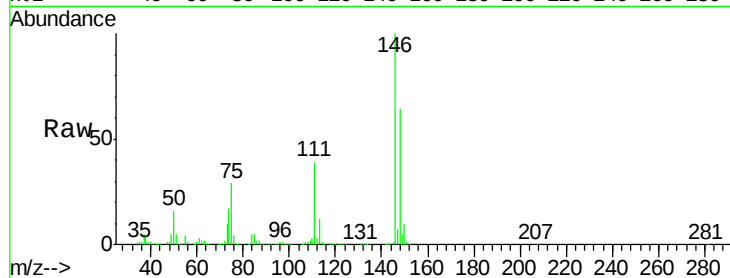




#91
 1,2-Dichlorobenzene
 Concen: 137.62 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

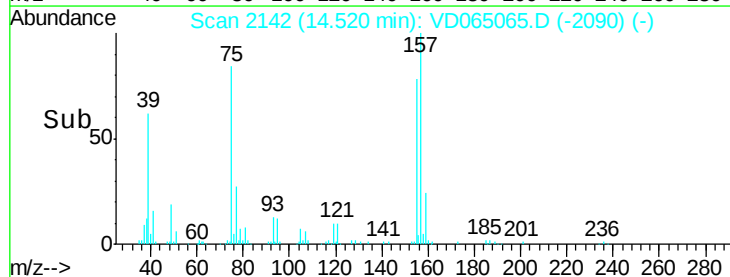
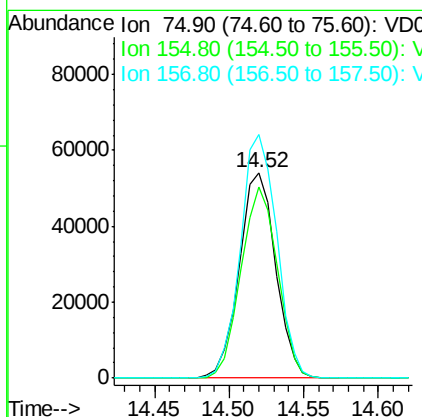
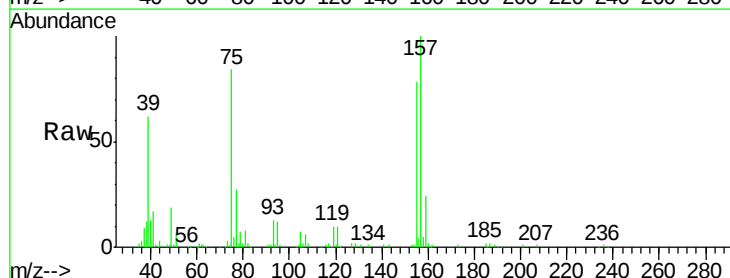
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

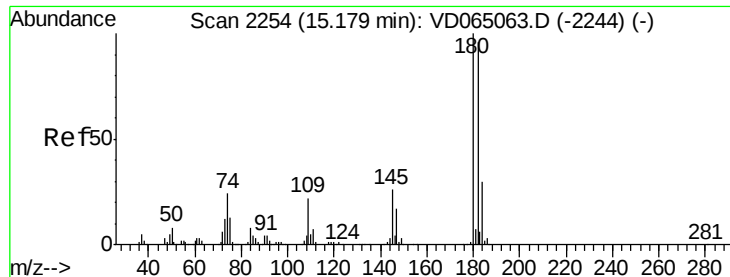
Tgt Ion:146 Resp: 1372200
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.1
 148 64.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.30 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion: 75 Resp: 91890
 Ion Ratio Lower Upper
 75 100
 155 92.8 43.4 130.1
 157 117.8 55.8 167.3

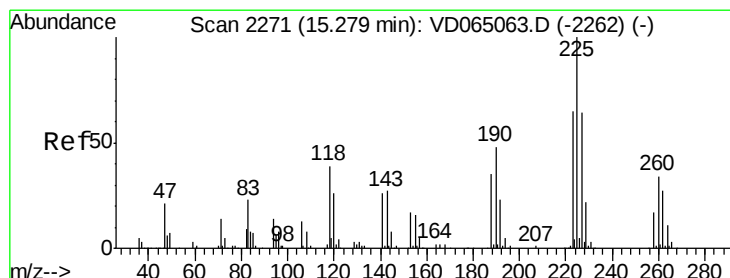
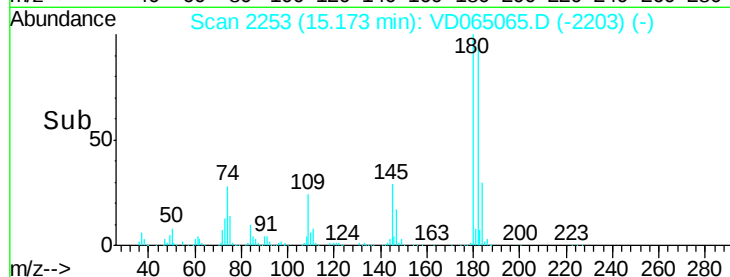
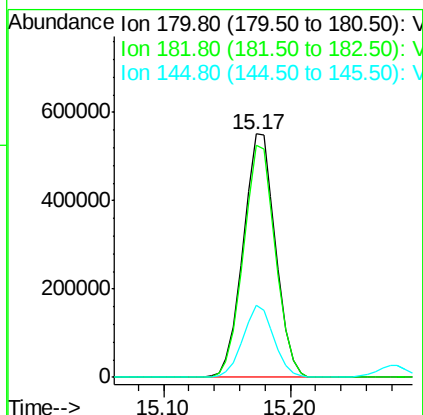
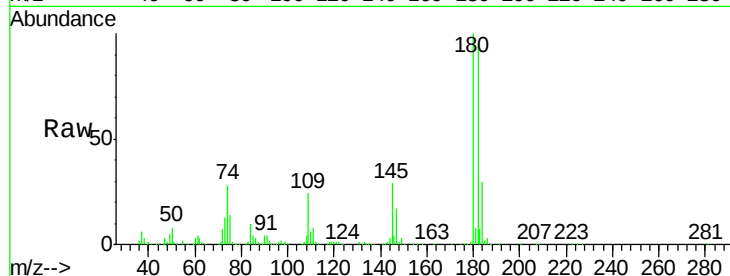




#93
 1,2,4-Trichlorobenzene
 Concen: 140.01 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

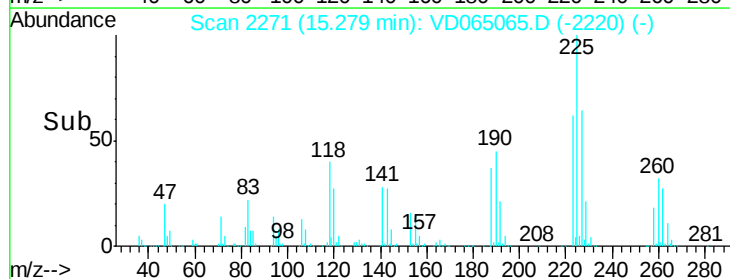
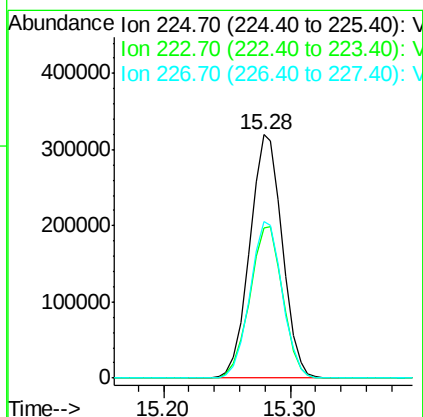
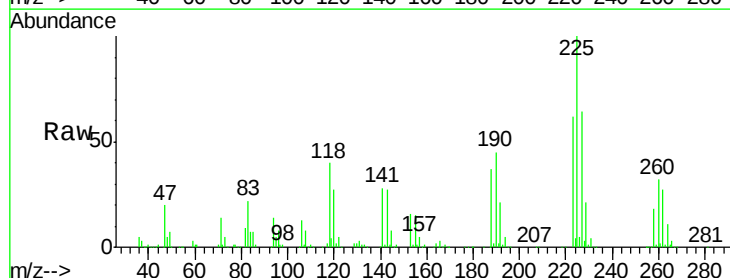
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

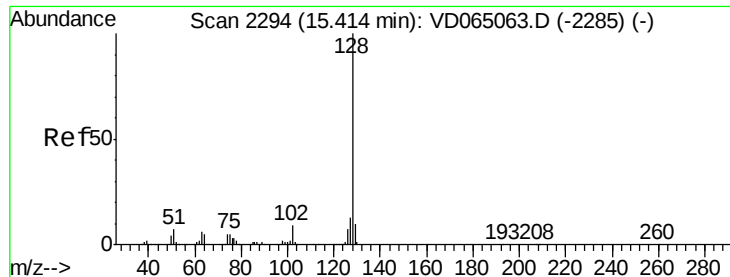
Tgt Ion:180 Resp: 972220
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.4 142.3
 145 28.4 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 129.69 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion:225 Resp: 569617
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.0
 227 63.7 31.8 95.3

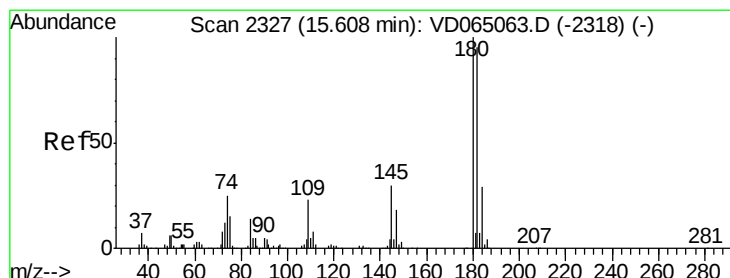
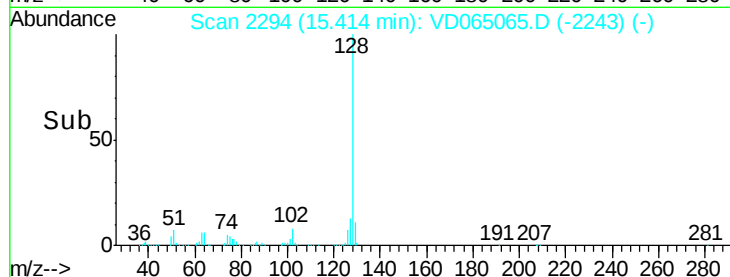
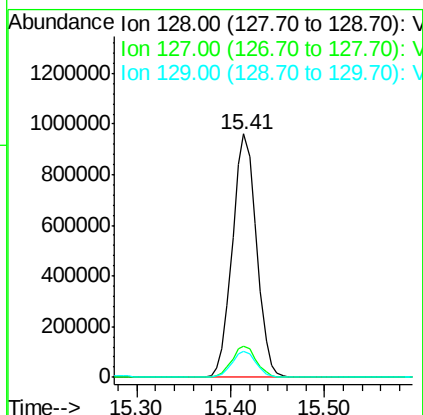
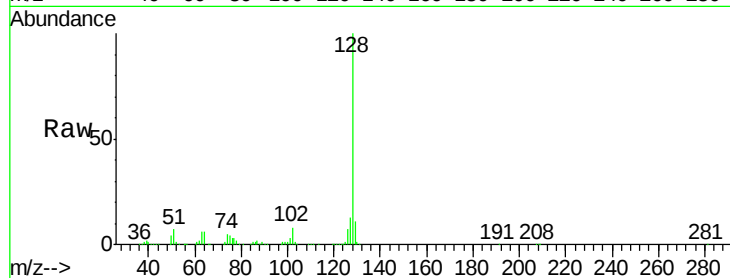




#95
Naphthalene
Concen: 152.88 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1706079
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 140.24 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion:180 Resp: 837073
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.4
145 30.0 14.9 44.9

