

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065688.D
 Acq On : 01 May 2020 18:19
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 02 02:56:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 02 02:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	531650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	779412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	742156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382869	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	60757	13.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.14%	
35) Dibromofluoromethane	7.91	113	52916	9.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.52%	
50) Toluene-d8	10.34	98	181786	12.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.62%	
62) 4-Bromofluorobenzene	12.64	95	59225	10.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	42254	9.700	ug/l	93
3) Chloromethane	2.21	50	67871	16.045	ug/l	97
4) Vinyl Chloride	2.34	62	75665	18.490	ug/l	96
5) Bromomethane	2.77	94	47982	32.043	ug/l	96
6) Chloroethane	2.92	64	49029	27.681	ug/l	93
7) Trichlorofluoromethane	3.27	101	93873	15.721	ug/l	98
8) Diethyl Ether	3.71	74	22715	14.196	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	54470	10.728	ug/l	87
10) Methyl Iodide	4.30	142	36783	6.225	ug/l #	90
11) Tert butyl alcohol	5.20	59	17014	68.234	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	45654	10.494	ug/l	96
13) Acrolein	3.93	56	20722	71.873	ug/l #	82
14) Allyl chloride	4.71	41	74679	11.970	ug/l	97
15) Acrylonitrile	5.43	53	55613	70.509	ug/l	96
16) Acetone	4.16	43	51941	52.821	ug/l	98
17) Carbon Disulfide	4.41	76	159267	12.420	ug/l	97
18) Methyl Acetate	4.71	43	31010	14.211	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	89890	10.083	ug/l	96
20) Methylene Chloride	4.97	84	82832	14.667	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	54594	10.868	ug/l	92
22) Diisopropyl ether	6.37	45	147226	10.340	ug/l	96
23) Vinyl Acetate	6.31	43	393003	52.230	ug/l	96
24) 1,1-Dichloroethane	6.27	63	101763	11.819	ug/l	99
25) 2-Butanone	7.21	43	70930	57.105	ug/l	93
26) 2,2-Dichloropropane	7.21	77	89634	11.992	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	56322	9.870	ug/l	80
28) Bromochloromethane	7.55	49	44114	13.258	ug/l	95
29) Tetrahydrofuran	7.57	42	41437	64.612	ug/l	99
30) Chloroform	7.71	83	110299	11.612	ug/l	98
31) Cyclohexane	7.98	56	85970	13.281	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	96322	11.662	ug/l	98
36) 1,1-Dichloropropene	8.12	75	78992	12.484	ug/l	97
37) Ethyl Acetate	7.28	43	31813	11.554	ug/l #	94
38) Carbon Tetrachloride	8.10	117	91629	11.870	ug/l	92

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 Quant Title : SW846 8260
 QLast Update : Sat May 02 02:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76839	11.952	ug/l	95
40) Benzene	8.35	78	222699	13.806	ug/l	99
41) Methacrylonitrile	7.53	41	17183	6.057	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	76336	14.056	ug/l	99
43) Isopropyl Acetate	9.52	43	40583	10.352	ug/l #	97
44) Trichloroethene	9.11	130	62400	10.722	ug/l	100
45) 1,2-Dichloropropane	9.39	63	58385	14.231	ug/l #	87
46) Dibromomethane	9.48	93	30921	11.131	ug/l	96
47) Bromodichloromethane	9.66	83	84718	12.554	ug/l #	90
48) Methyl methacrylate	9.46	41	25364	10.706	ug/l	95
49) 1,4-Dioxane	9.47	88	6071	243.250	ug/l #	61
51) 4-Methyl-2-Pentanone	10.23	43	153147	61.439	ug/l	100
52) Toluene	10.41	92	130493	12.521	ug/l	85
53) t-1,3-Dichloropropene	10.63	75	69842	12.266	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	80100	11.559	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	42770	12.730	ug/l	94
56) Ethyl methacrylate	10.66	69	38212	10.138	ug/l	95
57) 1,3-Dichloropropane	10.95	76	70787	13.283	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	96152	55.548	ug/l	93
59) 2-Hexanone	10.99	43	96059	52.523	ug/l	96
60) Dibromochloromethane	11.14	129	55348	10.354	ug/l	99
61) 1,2-Dibromoethane	11.25	107	38283	9.860	ug/l	96
64) Tetrachloroethene	10.88	164	54901	10.335	ug/l	98
65) Chlorobenzene	11.67	112	148820	10.433	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	59575	10.027	ug/l	91
67) Ethyl Benzene	11.75	91	237136	9.991	ug/l	98
68) m/p-Xylenes	11.86	106	181537	20.795	ug/l	99
69) o-Xylene	12.18	106	74982	9.503	ug/l	92
70) Styrene	12.20	104	133921	9.747	ug/l	95
71) Bromoform	12.37	173	33961	10.012	ug/l	99
73) Isopropylbenzene	12.48	105	208603	8.178	ug/l	96
74) N-amyl acetate	12.30	43	48806	7.578	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.74	83	44651	9.137	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	58921	13.032	ug/l	95
77) Bromobenzene	12.77	156	59814	8.325	ug/l	89
78) n-propylbenzene	12.83	91	263145	8.889	ug/l	100
79) 2-Chlorotoluene	12.91	91	157284	8.924	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	184656	8.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12747	8.703	ug/l	100
82) 4-Chlorotoluene	13.01	91	169228	8.774	ug/l	96
83) tert-Butylbenzene	13.23	119	150956	6.704	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	179606	9.227	ug/l	99
85) sec-Butylbenzene	13.41	105	218359	8.610	ug/l	95
86) p-Isopropyltoluene	13.53	119	195957	8.638	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	118604	9.320	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	123417	10.361	ug/l	98
89) n-Butylbenzene	13.85	91	182715	8.862	ug/l	96
90) Hexachloroethane	14.12	117	49441	8.411	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	105295	9.935	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7915	11.703	ug/l	94

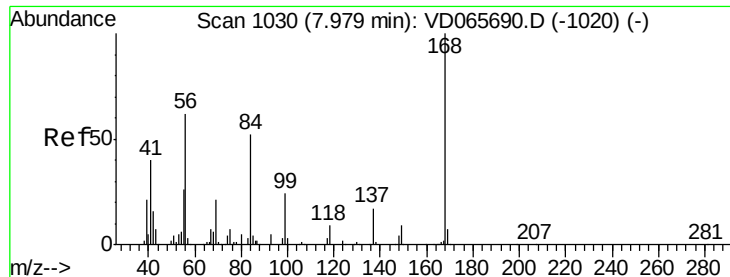
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Quant Title : SW846 8260
QLast Update : Sat May 02 02:54:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59665	10.206	ug/l	97
94) Hexachlorobutadiene	15.28	225	48080	11.318	ug/l	91
95) Naphthalene	15.41	128	83481	8.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	53435	14.575	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

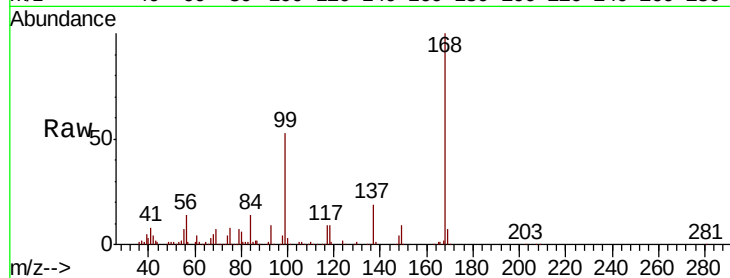
ClientSampleId :

Tot Ion:168 Resp: 531650

Ion Ratio Lower Upper

168 100

99 52.9 44.8 67.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.98

250000

200000

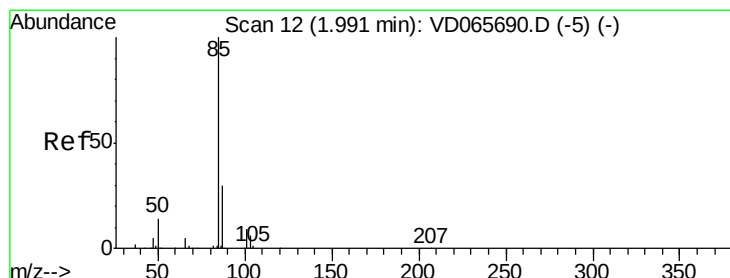
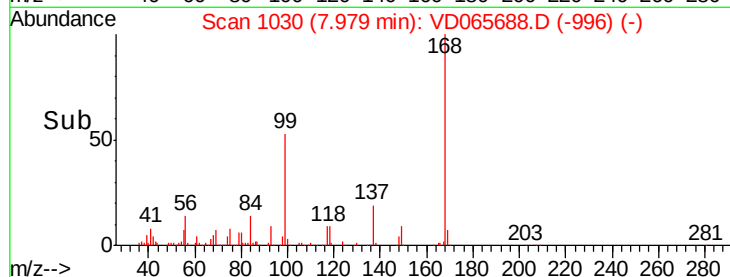
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.700 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065688.D

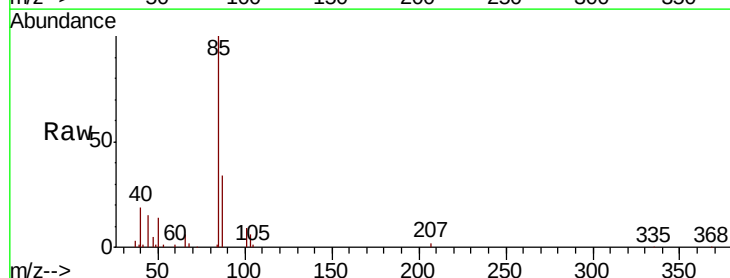
Acq: 01 May 2020 18:19

Tgt Ion: 85 Resp: 42254

Ion Ratio Lower Upper

85 100

87 33.6 14.9 44.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

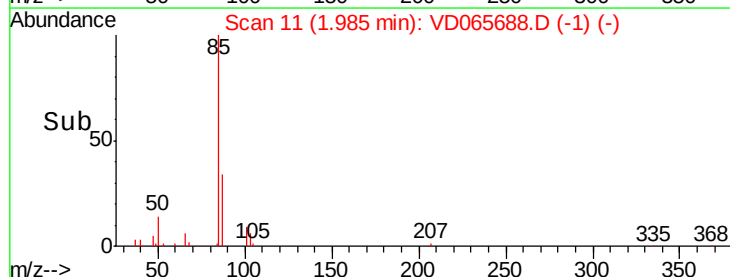
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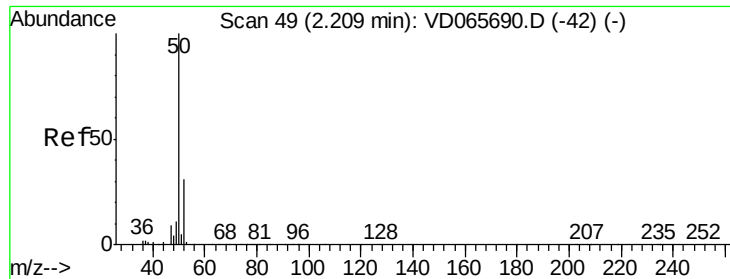
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.045 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

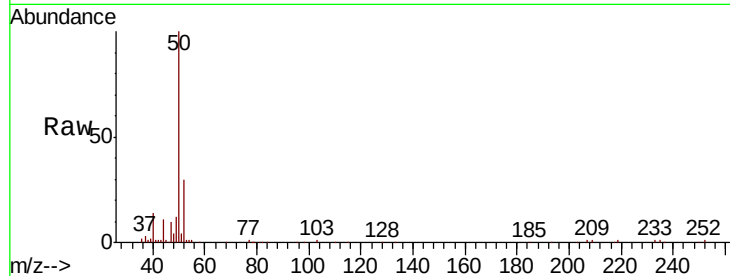
ClientSampled :

Tot Ion: 50 Resp: 67871

Ion Ratio Lower Upper

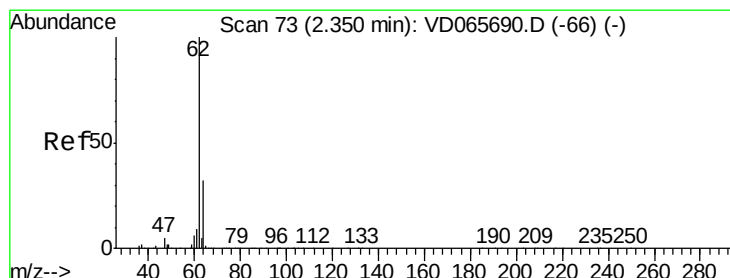
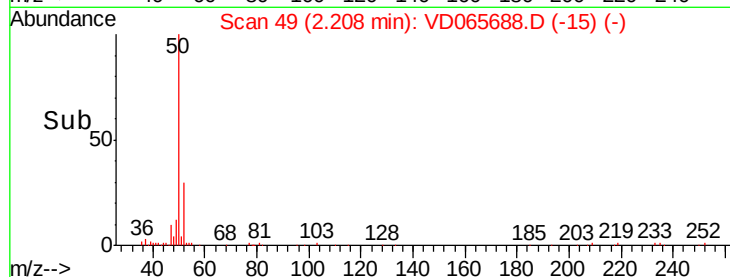
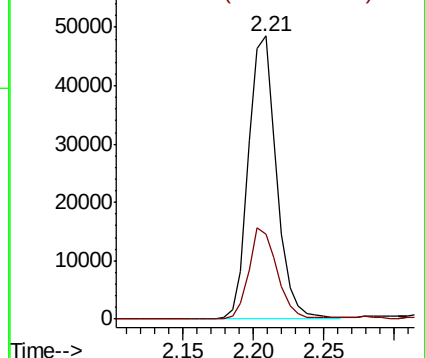
50 100

52 29.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.490 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065688.D

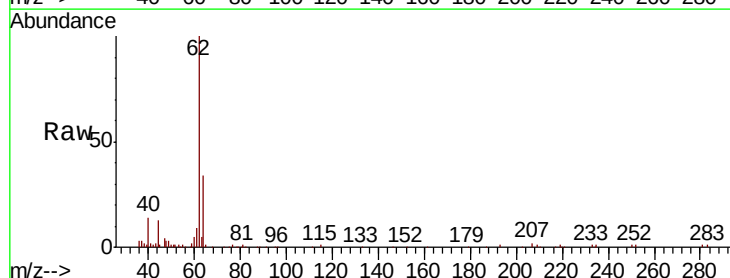
Acq: 01 May 2020 18:19

Tgt Ion: 62 Resp: 75665

Ion Ratio Lower Upper

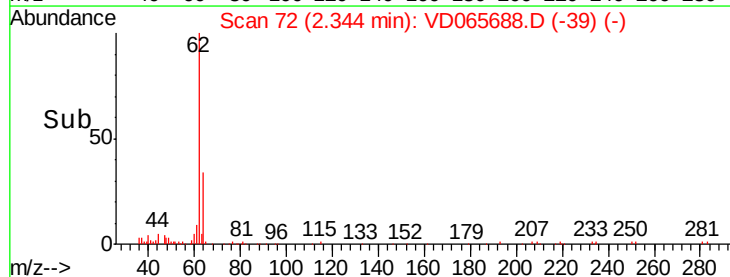
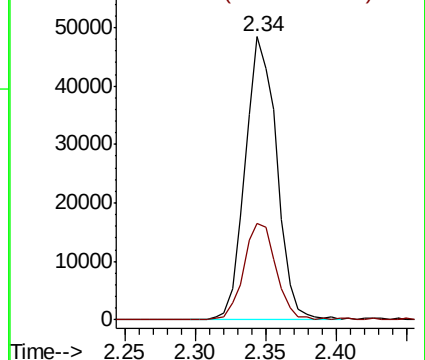
62 100

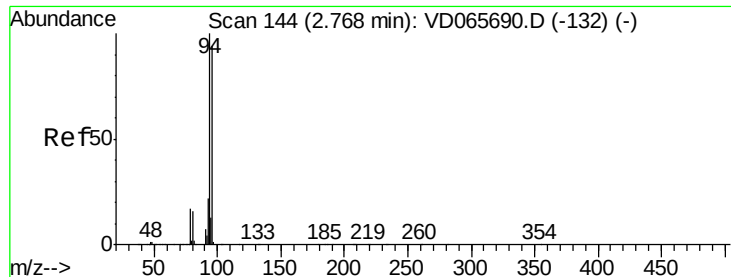
64 34.1 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 32.043 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

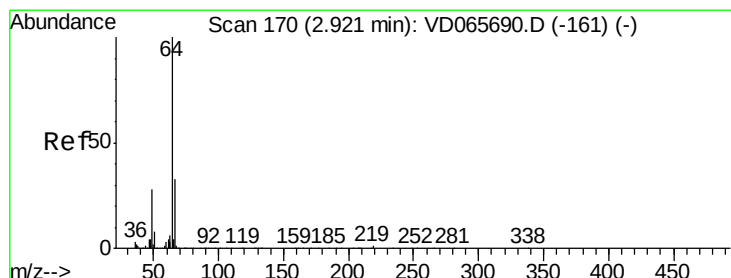
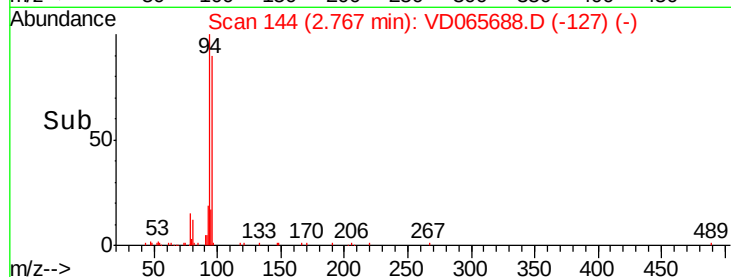
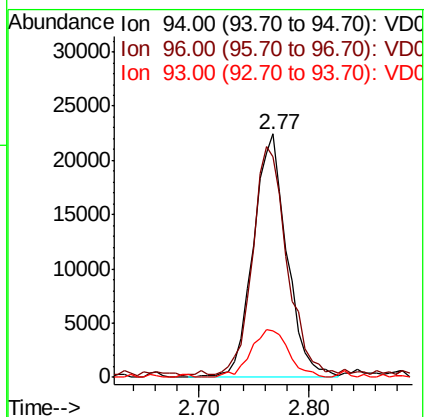
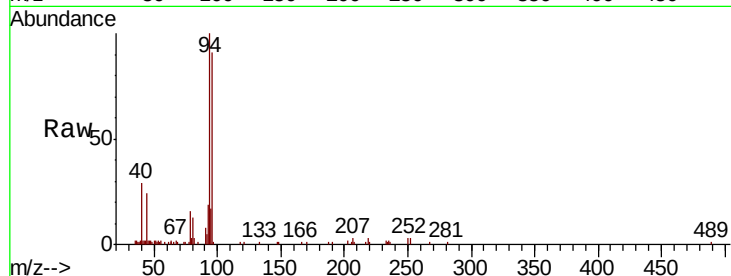
Tot Ion: 94 Resp: 47982

Ion Ratio Lower Upper

94 100

96 90.8 75.1 112.7

93 19.3 17.8 26.6



#6

Chloroethane

Concen: 27.681 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065688.D

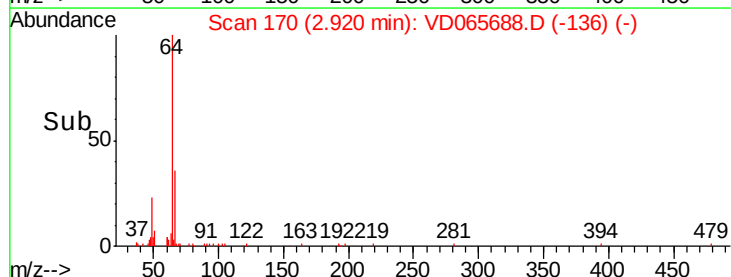
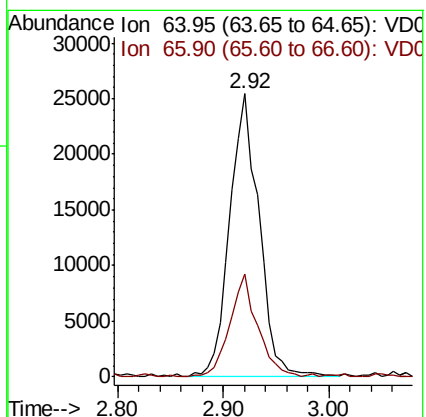
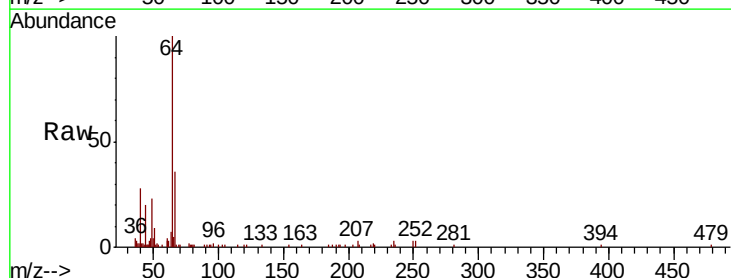
Acq: 01 May 2020 18:19

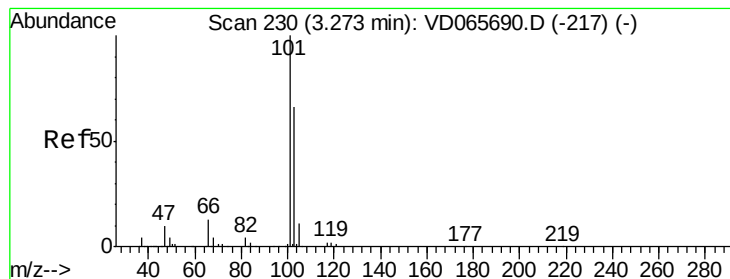
Tgt Ion: 64 Resp: 49029

Ion Ratio Lower Upper

64 100

66 36.4 26.2 39.2



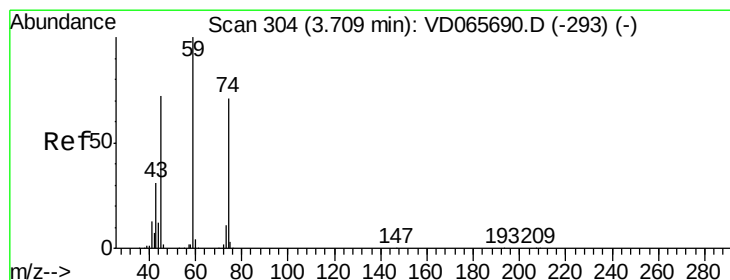
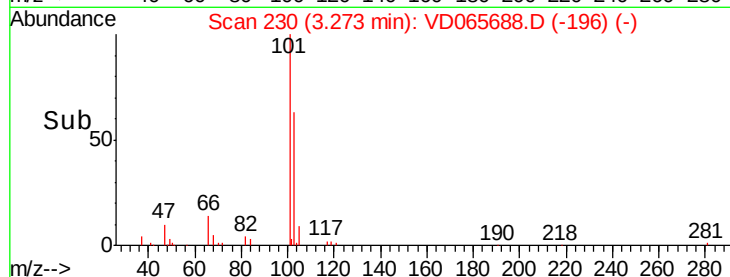
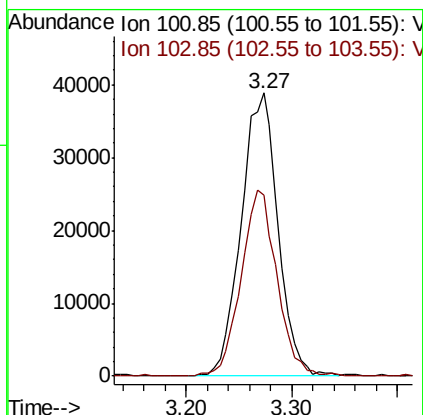
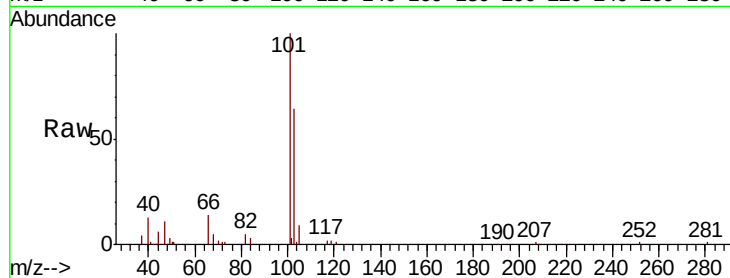


#7

Trichlorofluoromethane
 Concen: 15.721 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :

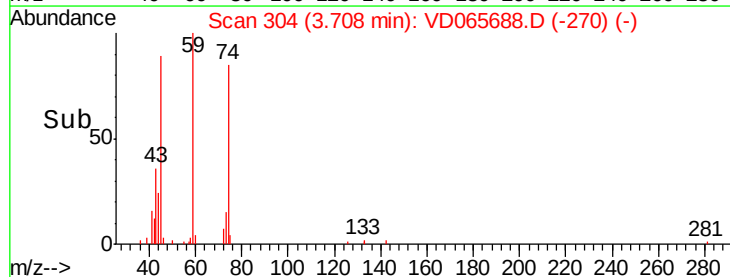
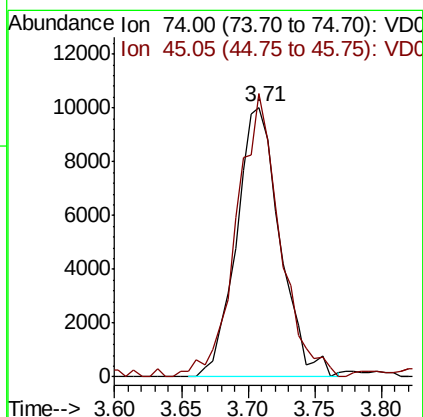
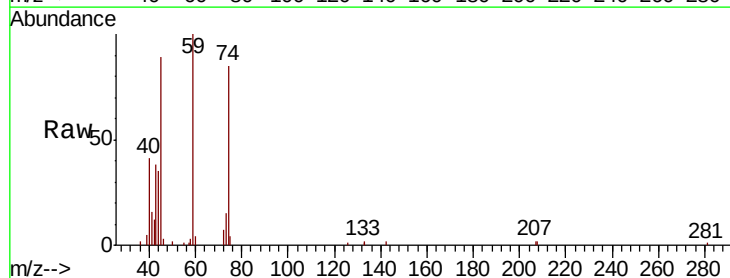
Tot Ion:101 Resp: 93873
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.6 79.0

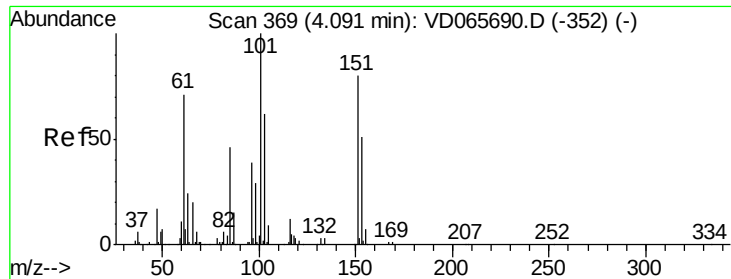


#8

Diethyl Ether
 Concen: 14.196 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion: 74 Resp: 22715
 Ion Ratio Lower Upper
 74 100
 45 105.1 50.8 152.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.728 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

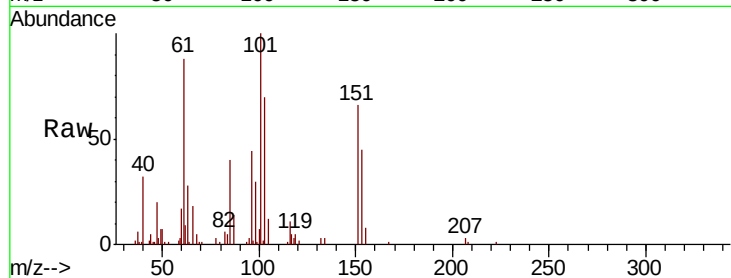
Tot Ion:101 Resp: 54470

Ion Ratio Lower Upper

101 100

85 40.3 36.7 55.1

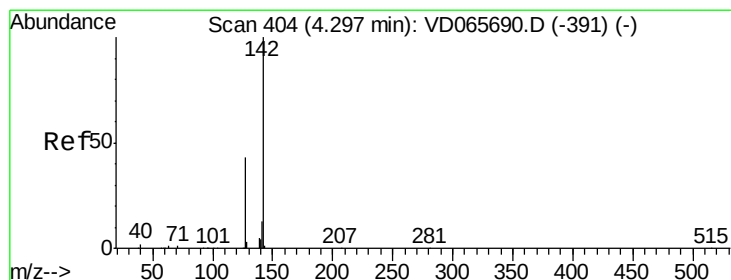
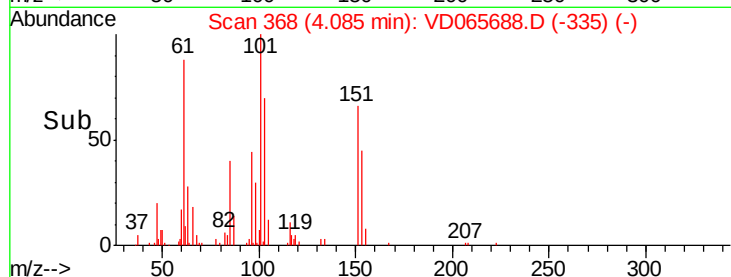
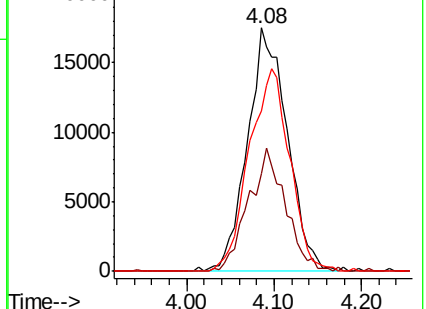
151 66.1 63.8 95.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 6.225 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

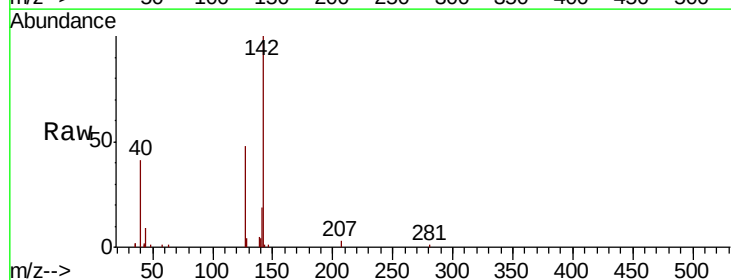
Tgt Ion:142 Resp: 36783

Ion Ratio Lower Upper

142 100

127 48.3 34.3 51.5

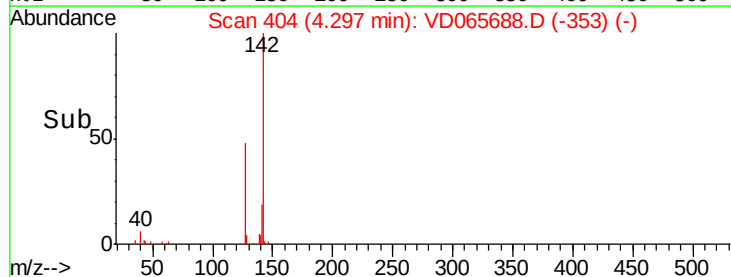
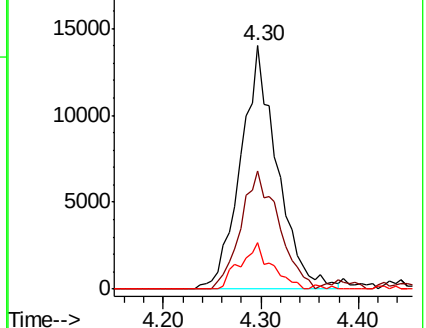
141 18.9 10.3 15.5#

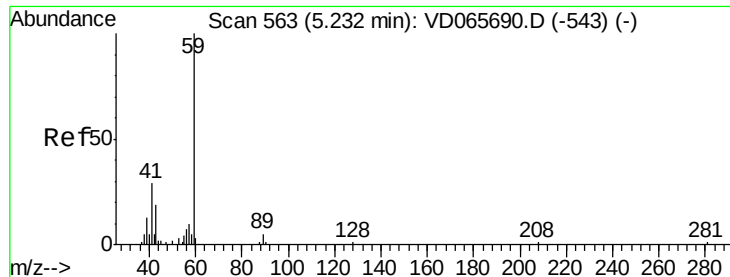


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



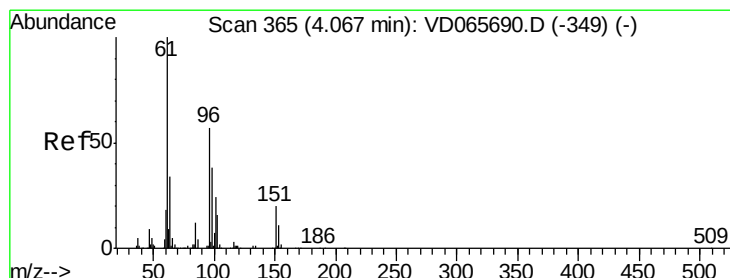
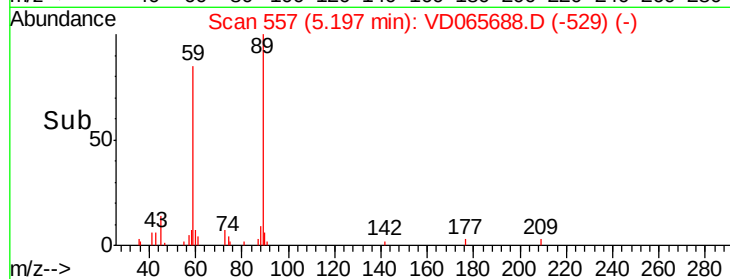
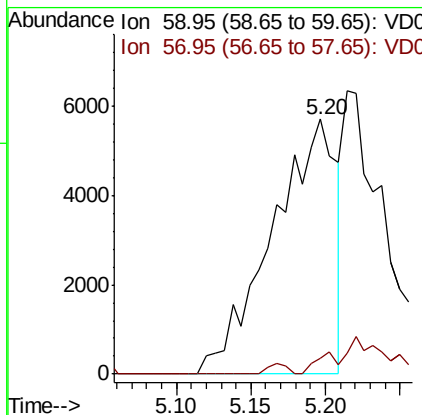
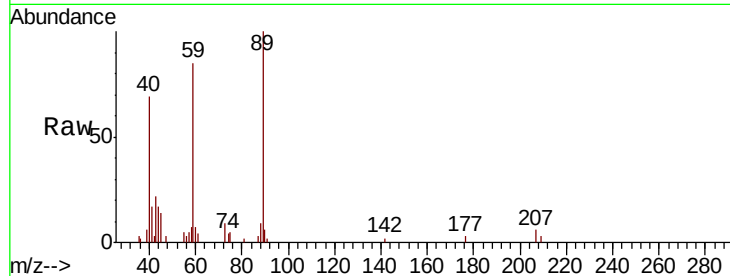


#11

Tert butyl alcohol
 Concen: 68.234 ug/l
 RT: 5.20 min Scan# 557
 Delta R.T. -0.04 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :

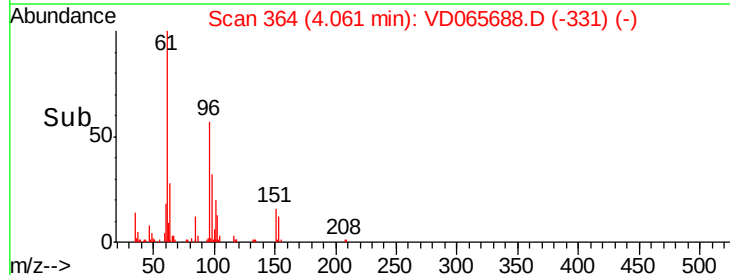
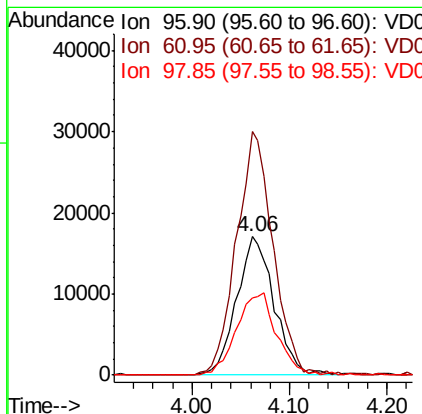
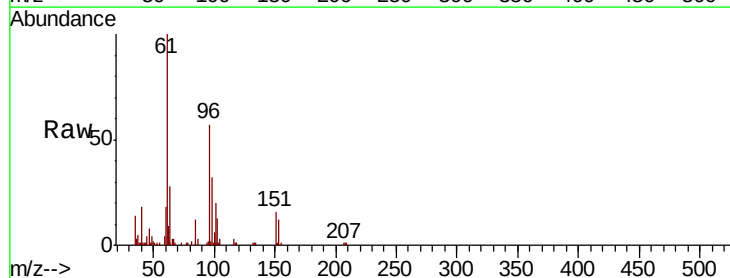
Tot Ion: 59 Resp: 17014
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.2 12.4#

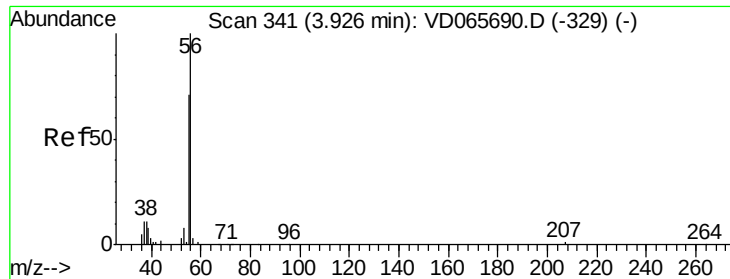


#12

1,1-Dichloroethene
 Concen: 10.494 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion: 96 Resp: 45654
 Ion Ratio Lower Upper
 96 100
 61 176.2 140.4 210.6
 98 55.9 53.4 80.2

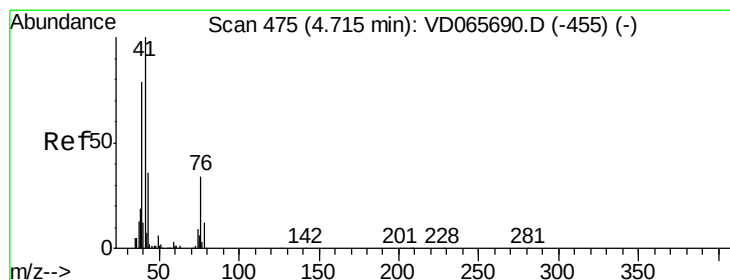
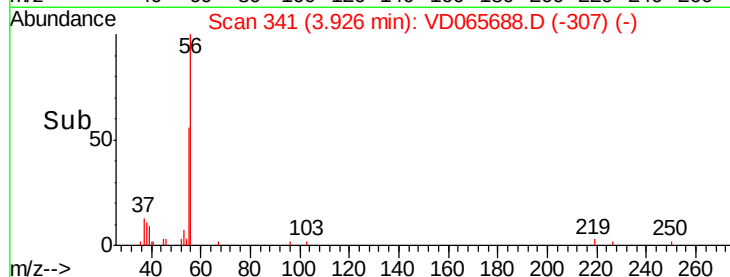
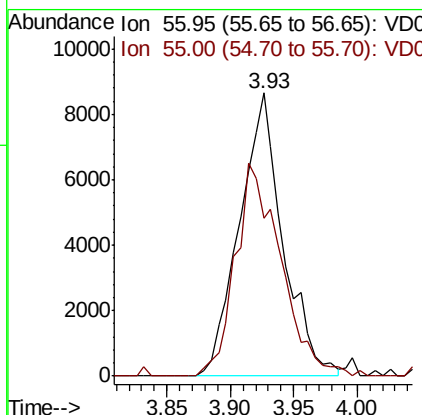
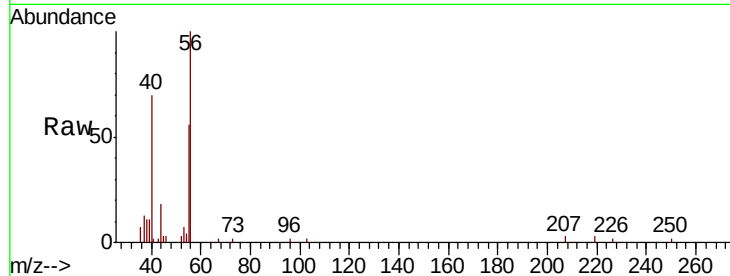




#13
 Acrolein
 Concen: 71.873 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

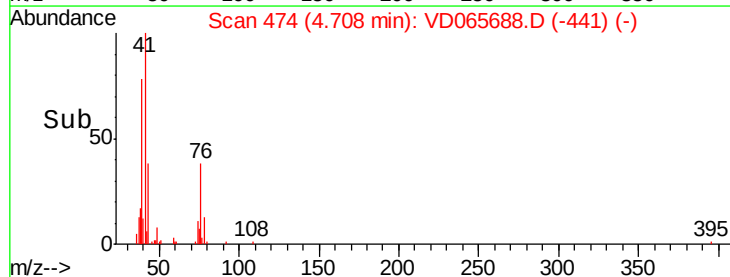
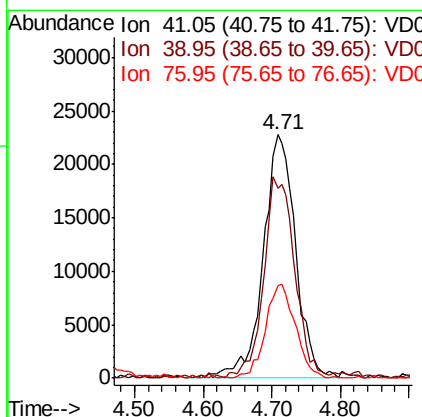
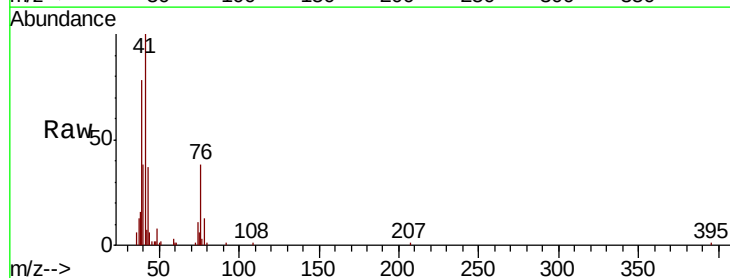
Instrument :
 MSVOA_D
 ClientSampleId :

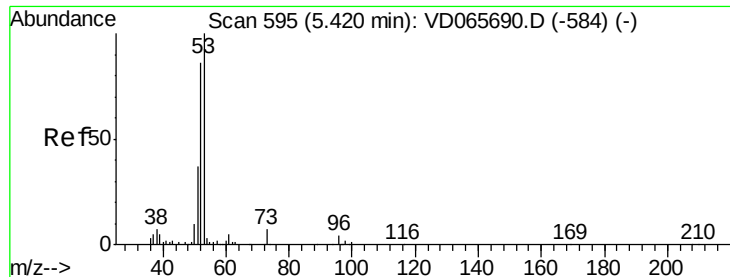
Tot Ion: 56 Resp: 20722
 Ion Ratio Lower Upper
 56 100
 55 55.9 56.8 85.2#



#14
 Allyl chloride
 Concen: 11.970 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion: 41 Resp: 74679
 Ion Ratio Lower Upper
 41 100
 39 77.7 63.6 95.4
 76 38.0 27.4 41.0





#15

Acrylonitrile

Concen: 70.509 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

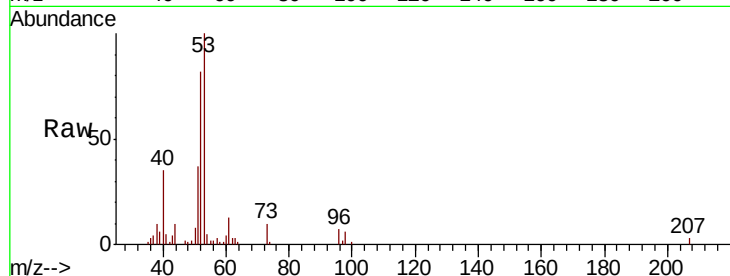
Tot Ion: 53 Resp: 55613

Ion Ratio Lower Upper

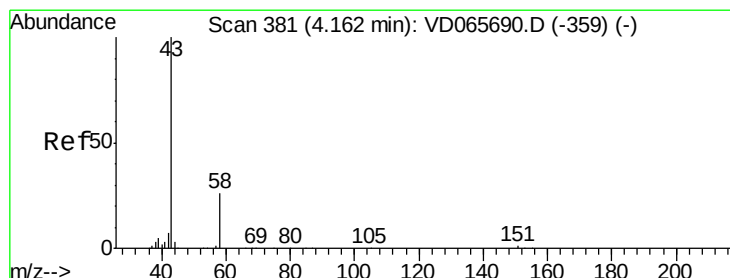
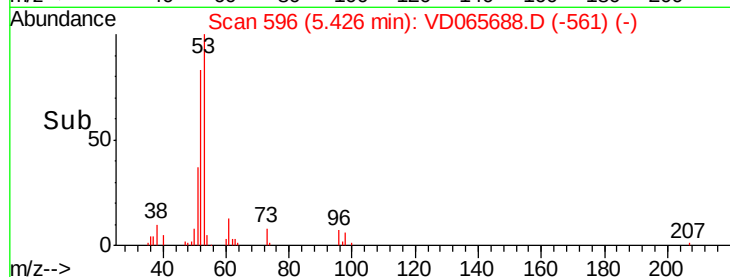
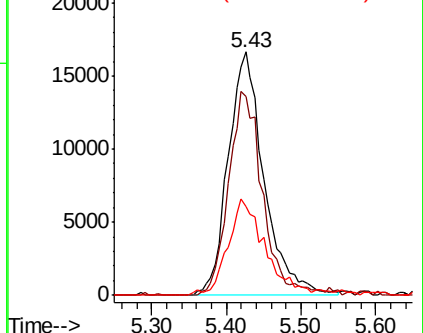
53 100

52 81.8 69.3 103.9

51 36.7 29.8 44.6



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: 52.821 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065688.D

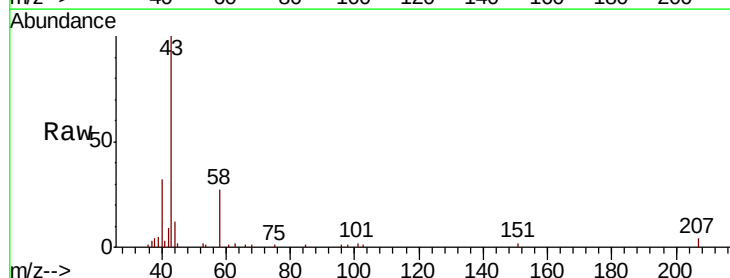
Acq: 01 May 2020 18:19

Tgt Ion: 43 Resp: 51941

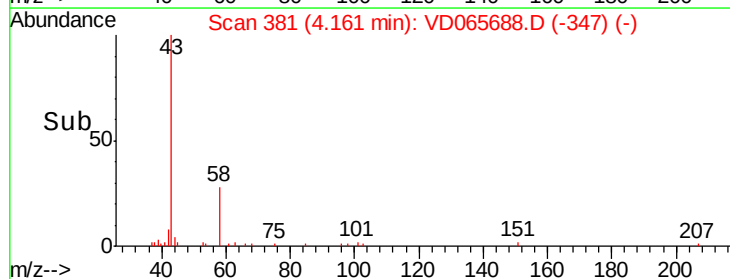
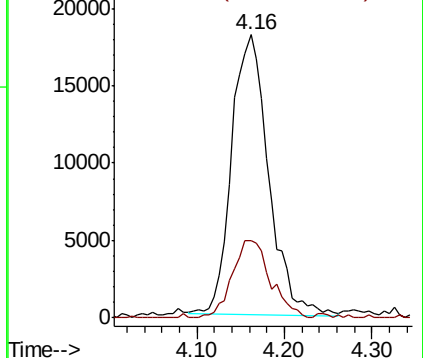
Ion Ratio Lower Upper

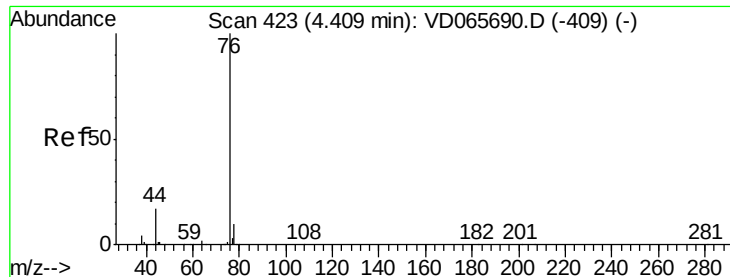
43 100

58 27.2 21.0 31.6



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





#17

Carbon Disulfide

Concen: 12.420 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

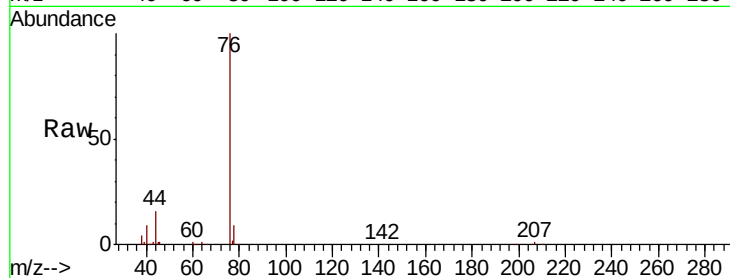
ClientSampleId :

Tot Ion: 76 Resp: 159267

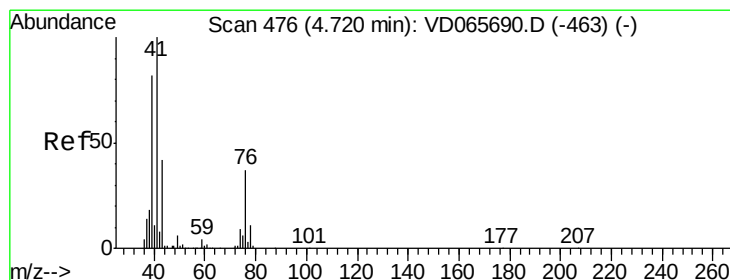
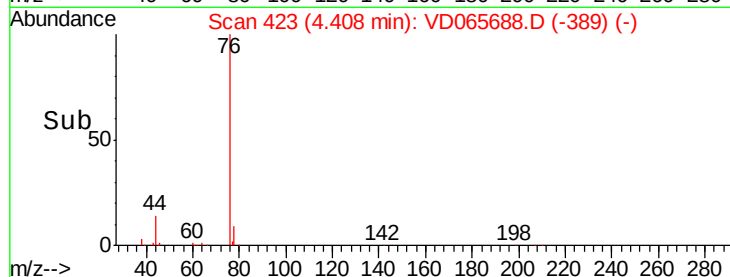
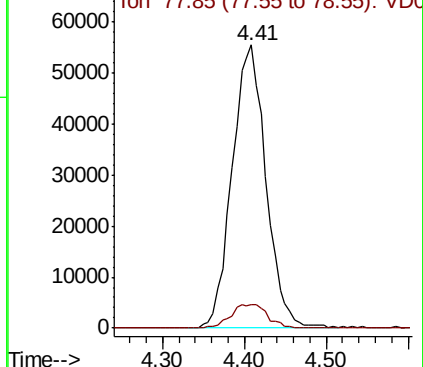
Ion Ratio Lower Upper

76 100

78 8.5 7.8 11.6



Abundance Ion 75.85 (75.55 to 76.55): VDC



#18

Methyl Acetate

Concen: 14.211 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065688.D

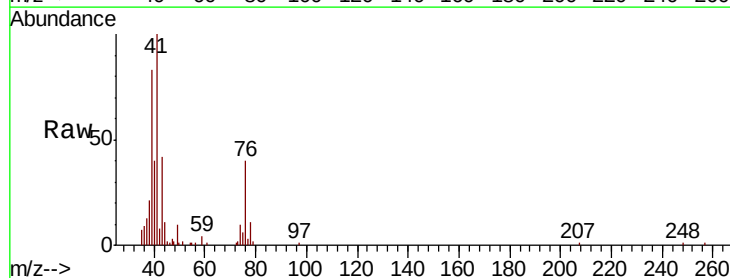
Acq: 01 May 2020 18:19

Tgt Ion: 43 Resp: 31010

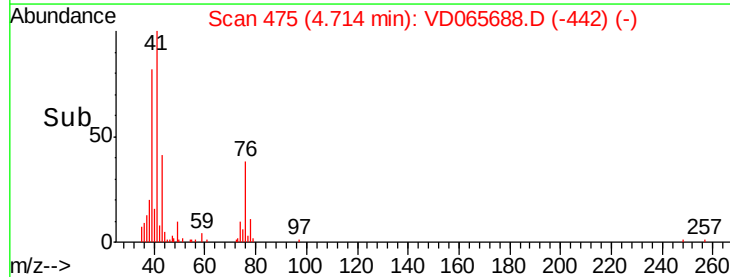
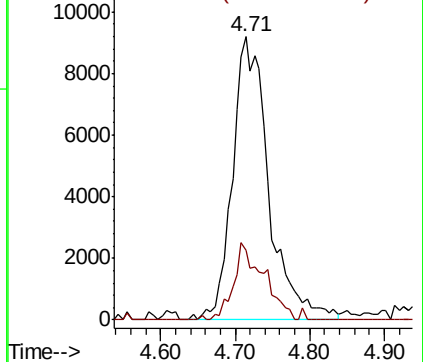
Ion Ratio Lower Upper

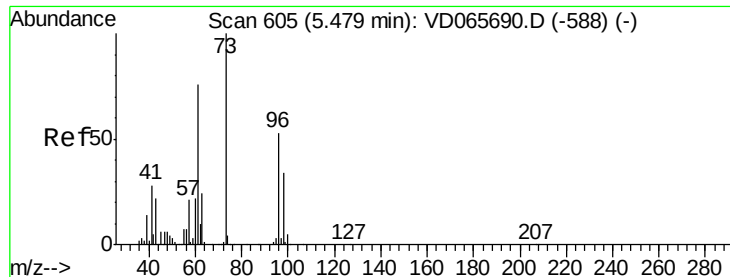
43 100

74 24.6 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

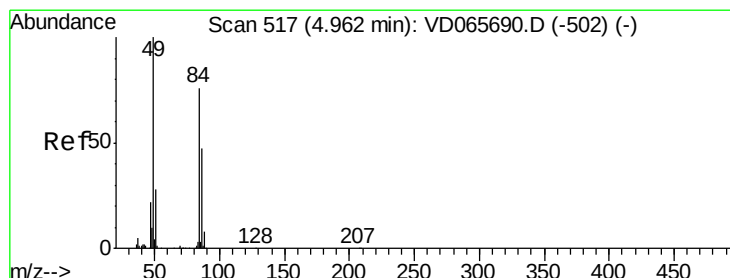
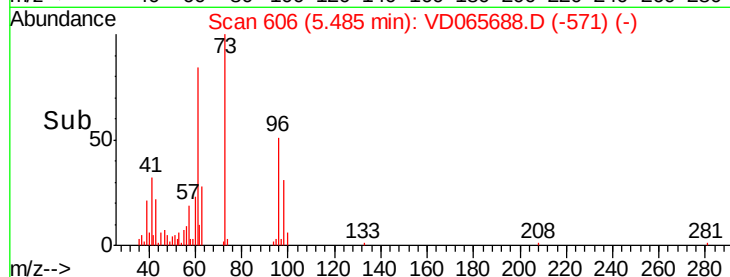
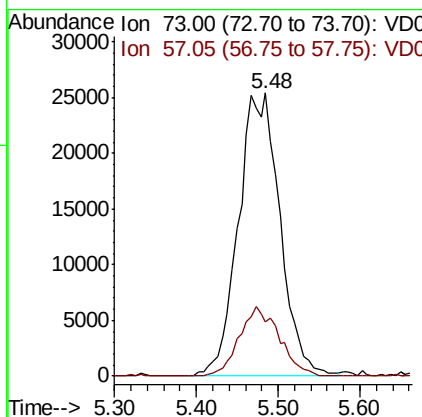
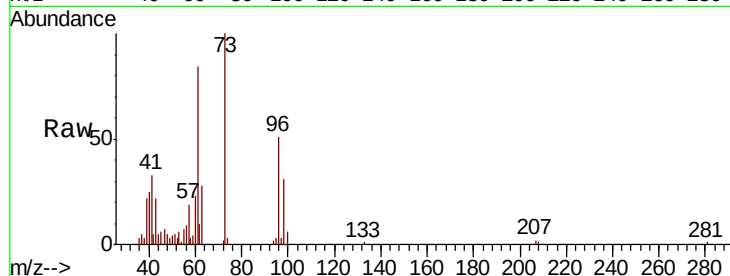




#19
Methyl tert-butyl Ether
Concen: 10.083 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

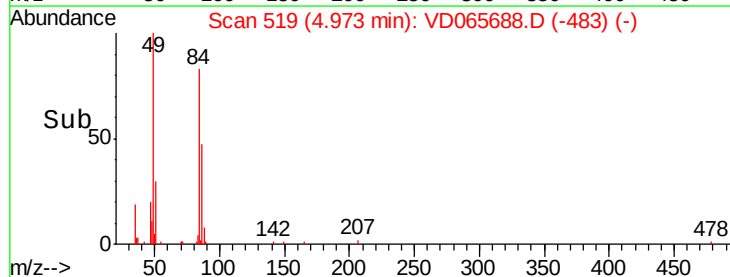
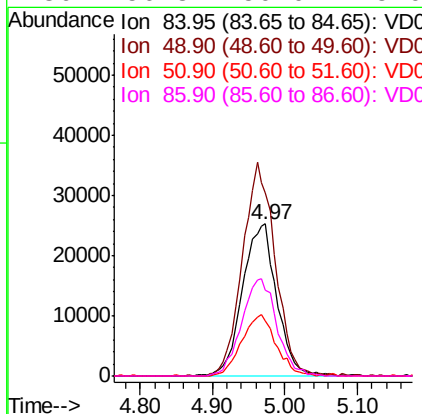
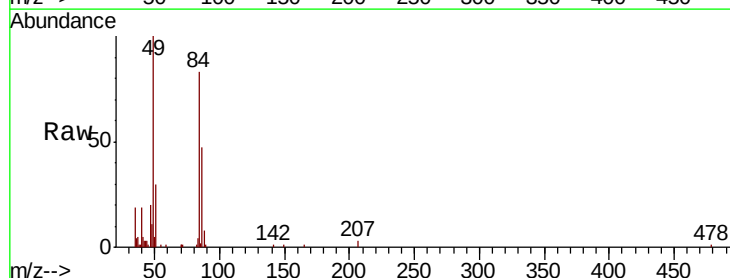
Instrument :
MSVOA_D
ClientSampleId :

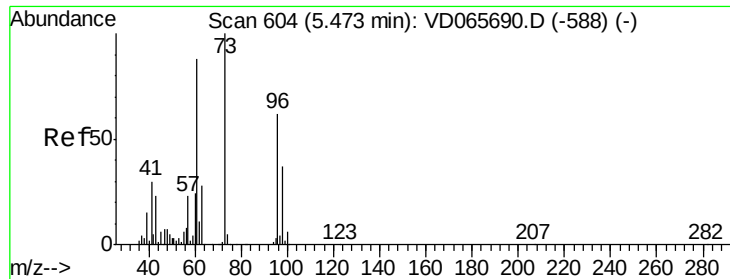
Tot Ion: 73 Resp: 89890
Ion Ratio Lower Upper
73 100
57 19.2 16.8 25.2



#20
Methylene Chloride
Concen: 14.667 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion: 84 Resp: 82832
Ion Ratio Lower Upper
84 100
49 120.5 105.8 158.6
51 36.4 29.4 44.2
86 56.8 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 10.868 ug/l

RT: 5.47 min Scan# 604

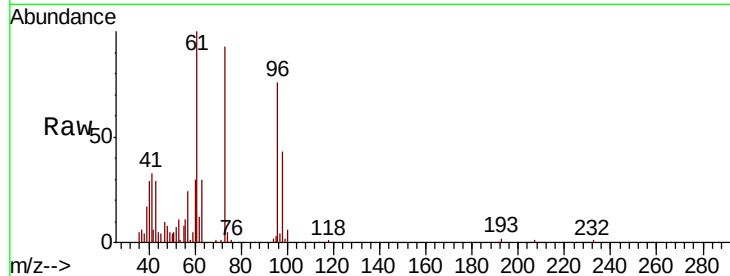
Delta R.T. -0.00 min

Lab File: VD065688.D

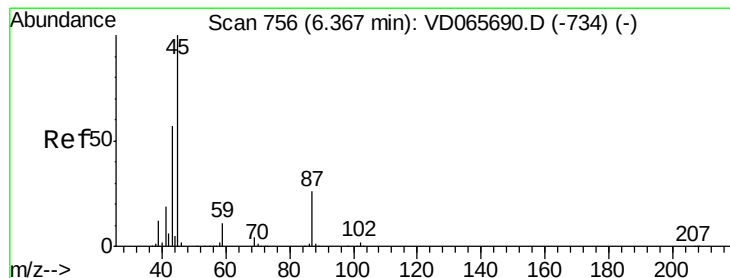
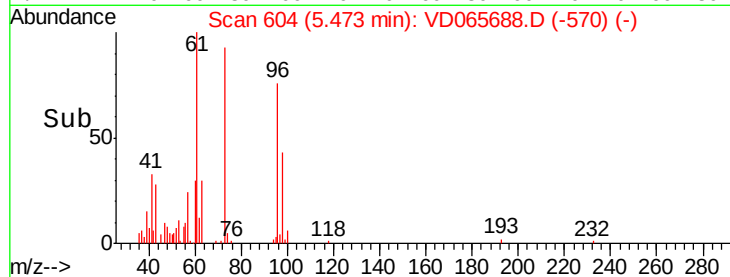
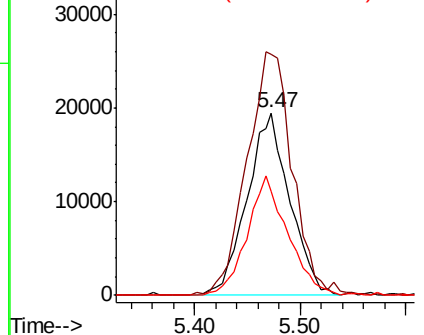
Acq: 01 May 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	96	Resp:	54594
Ion	Ratio	Lower	Upper
96	100		
61	132.1	114.8	172.2
98	57.1	47.9	71.9



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



#22

Diisopropyl ether

Concen: 10.340 ug/l

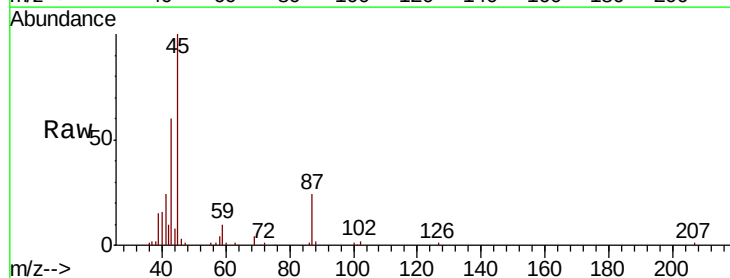
RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

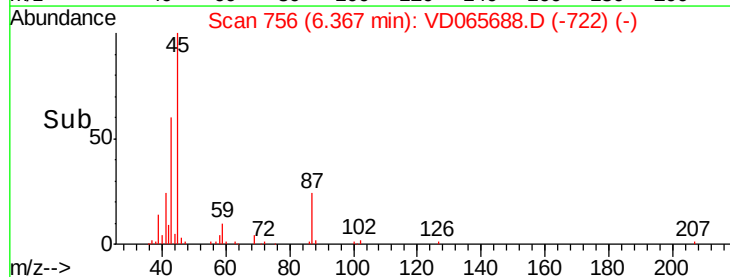
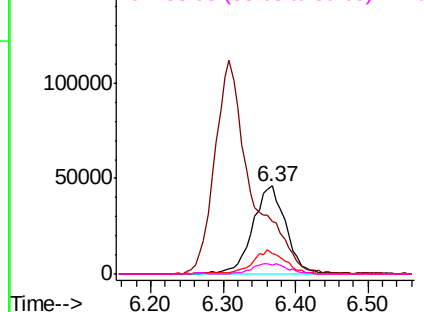
Lab File: VD065688.D

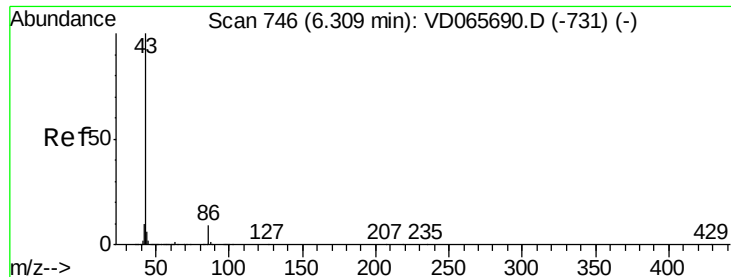
Acq: 01 May 2020 18:19

Tgt Ion:	45	Resp:	147226
Ion	Ratio	Lower	Upper
45	100		
43	59.9	45.8	68.6
87	23.9	20.6	31.0
59	9.6	9.2	13.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 52.230 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

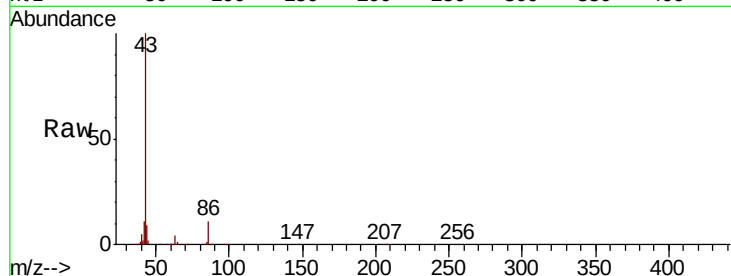
ClientSampleId :

Tot Ion: 43 Resp: 393003

Ion Ratio Lower Upper

43 100

86 10.7 7.4 11.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

120000

100000

80000

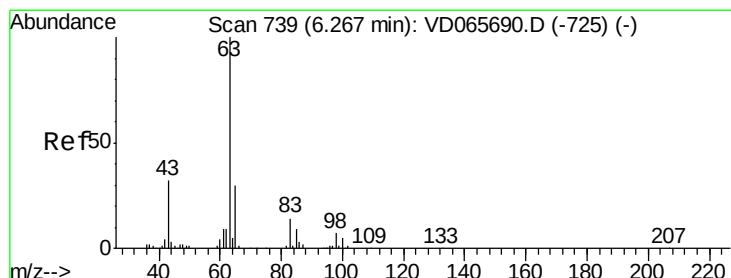
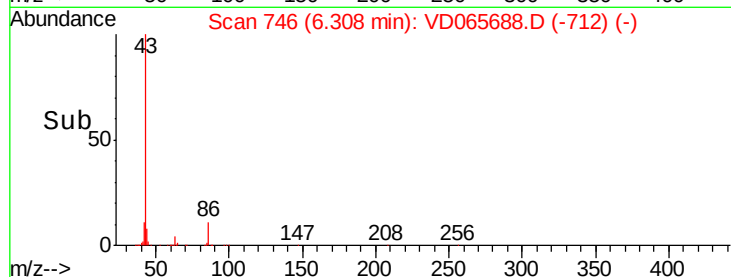
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 11.819 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

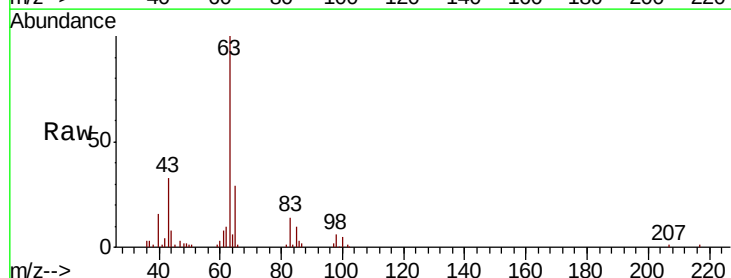
Tgt Ion: 63 Resp: 101763

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

100 4.6 2.3 6.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

6.27

40000

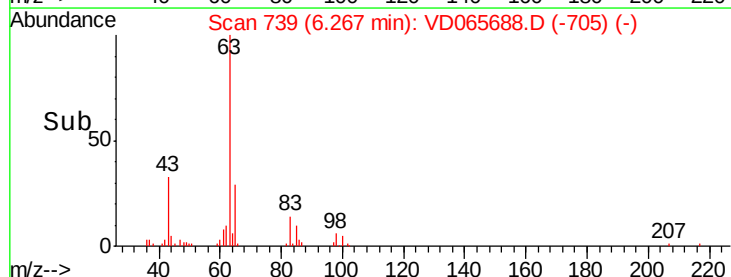
30000

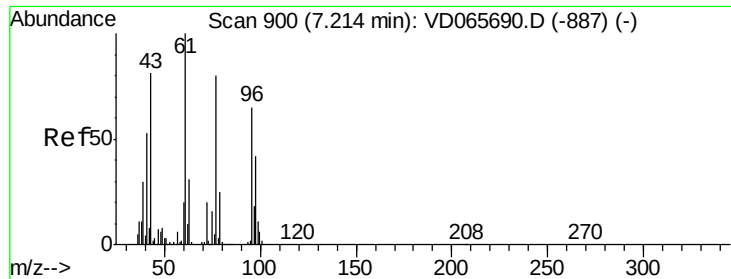
20000

10000

0

Time-->





#25

2-Butanone

Concen: 57.105 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

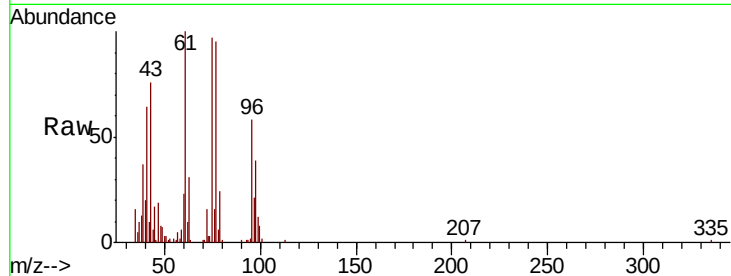
ClientSampled :

Tot Ion: 43 Resp: 70930

Ion Ratio Lower Upper

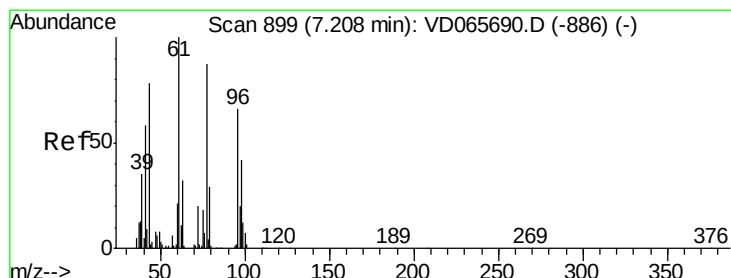
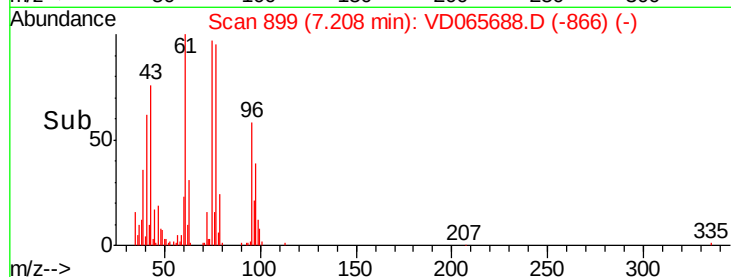
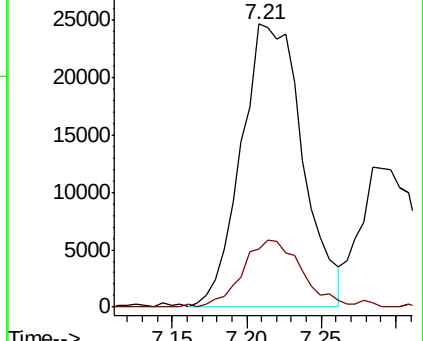
43 100

72 20.3 19.2 28.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 11.992 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065688.D

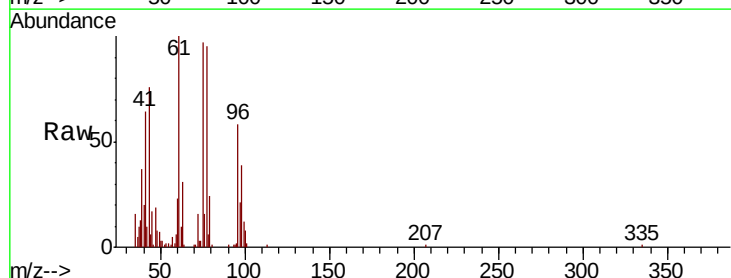
Acq: 01 May 2020 18:19

Tgt Ion: 77 Resp: 89634

Ion Ratio Lower Upper

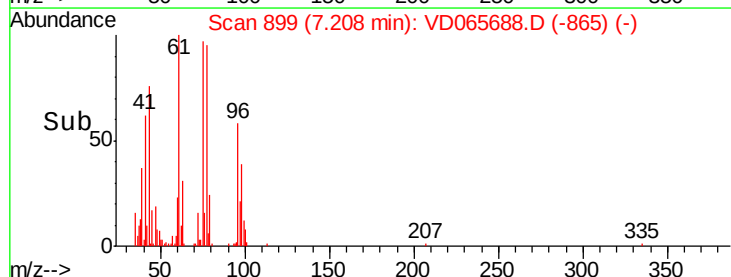
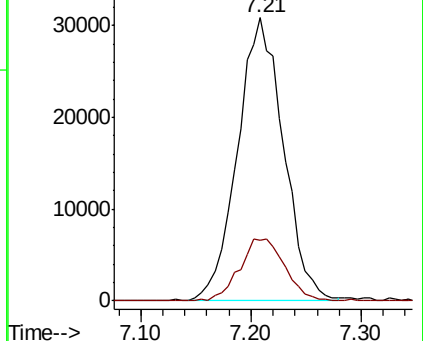
77 100

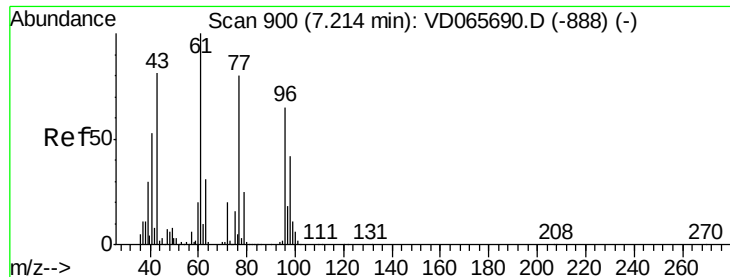
97 21.6 11.7 35.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



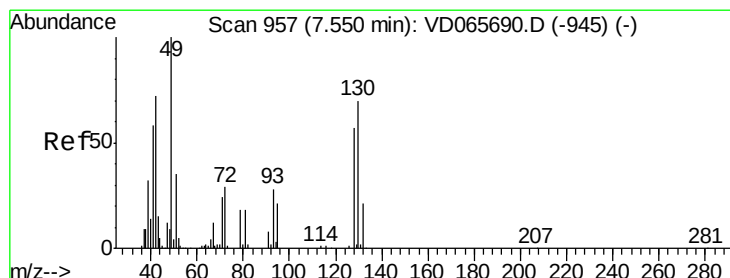
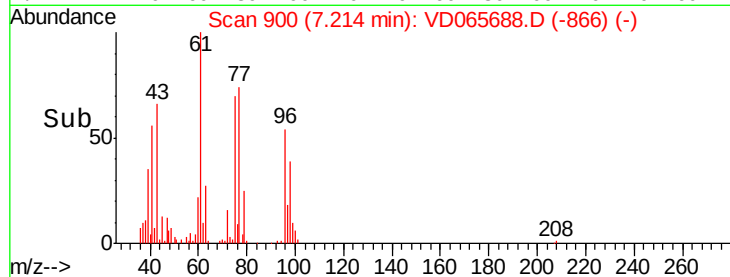
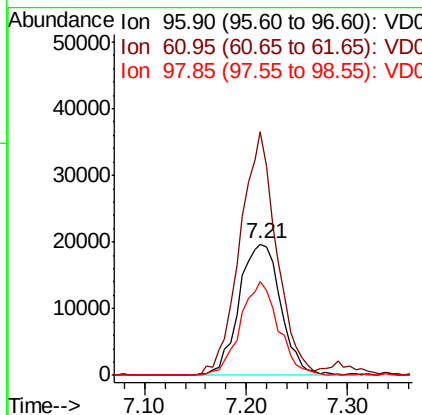
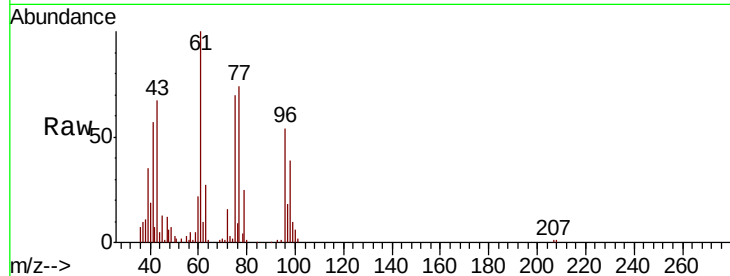


#27

cis-1,2-Dichloroethene
 Concen: 9.870 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Instrument :
 MSVOA_D
 ClientSampled :

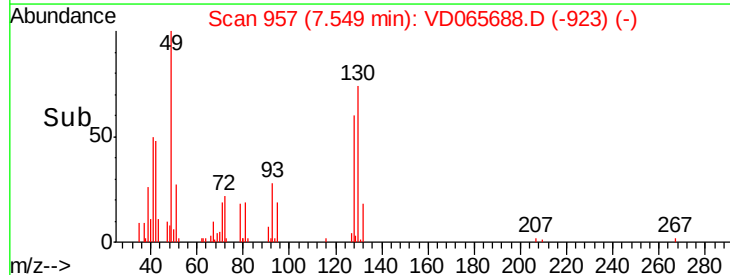
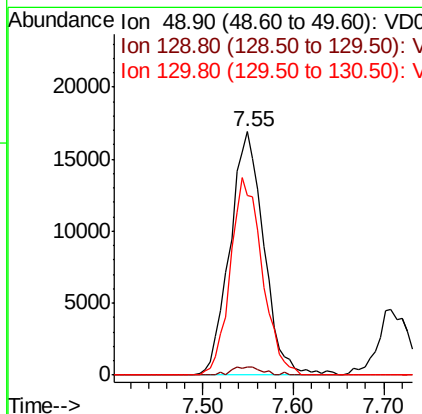
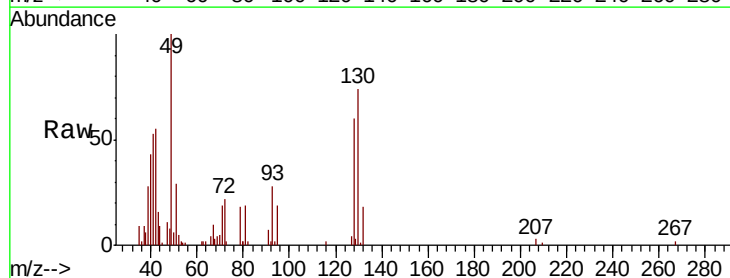
Tot Ion: 96 Resp: 56322
 Ion Ratio Lower Upper
 96 100
 61 185.6 0.0 307.2
 98 71.9 0.0 128.8

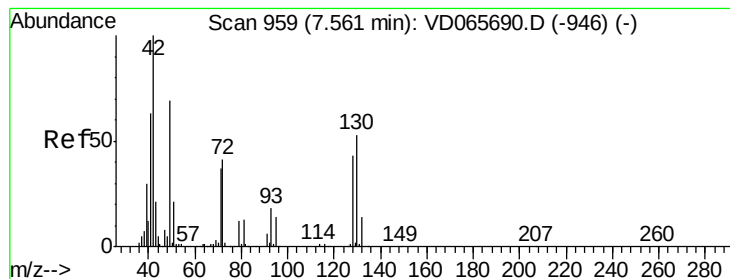


#28

Bromochloromethane
 Concen: 13.258 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion: 49 Resp: 44114
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 4.8
 130 73.9 55.8 83.6





#29

Tetrahydrofuran

Concen: 64.612 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

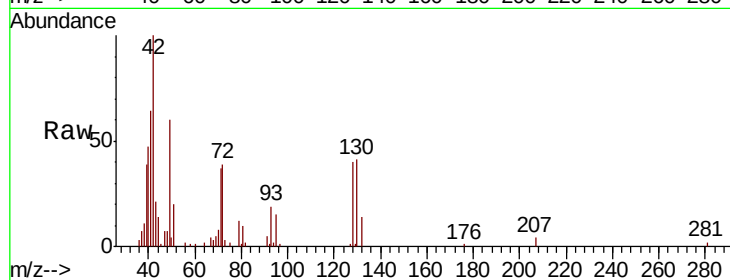
Tot Ion: 42 Resp: 41437

Ion Ratio Lower Upper

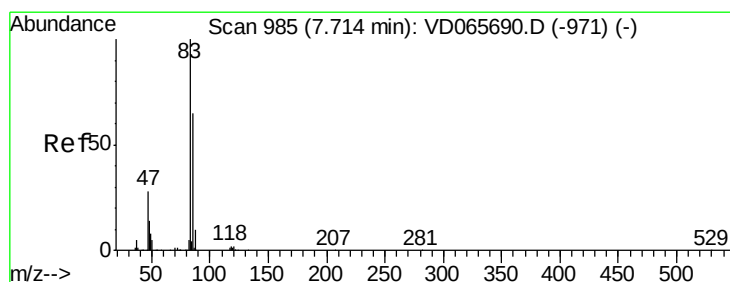
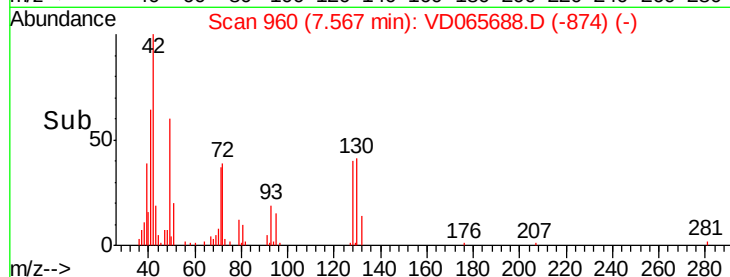
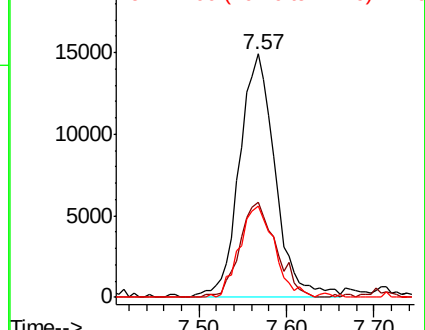
42 100

72 39.7 32.2 48.2

71 36.7 29.7 44.5



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



#30

Chloroform

Concen: 11.612 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065688.D

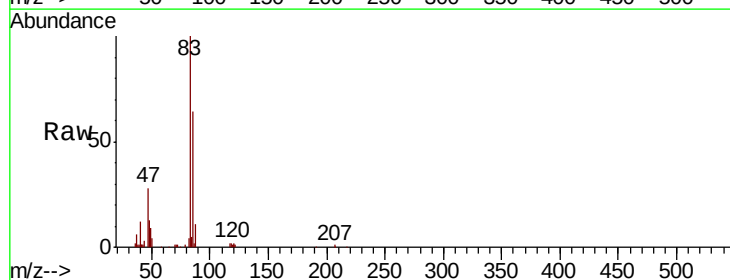
Acq: 01 May 2020 18:19

Tgt Ion: 83 Resp: 110299

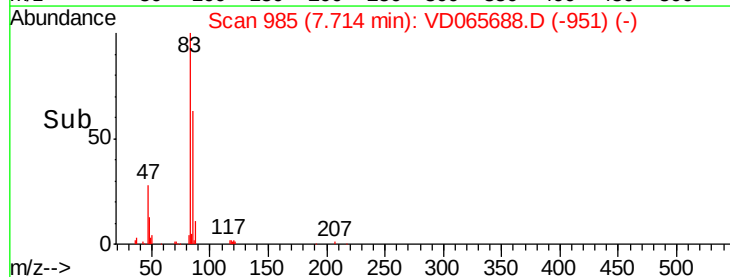
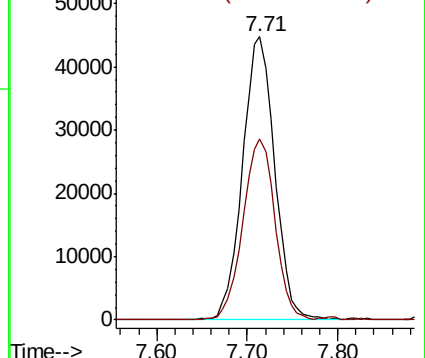
Ion Ratio Lower Upper

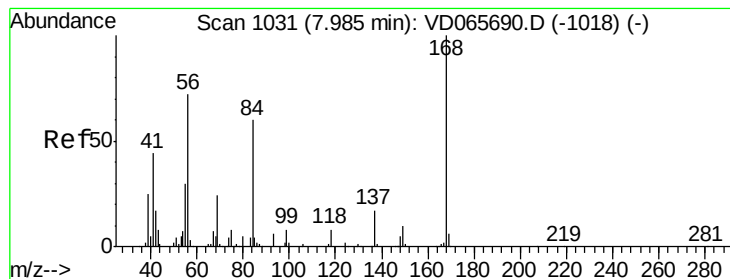
83 100

85 63.8 52.3 78.5



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





#31

Cyclohexane

Concen: 13.281 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

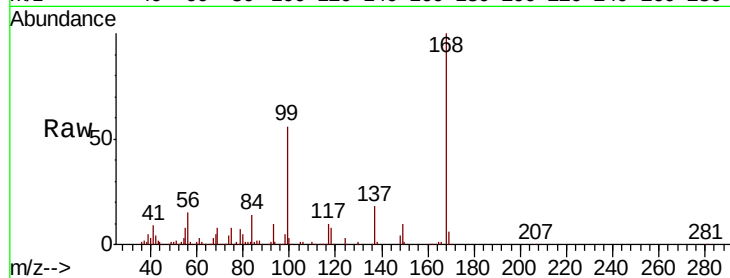
Instrument :

MSVOA_D

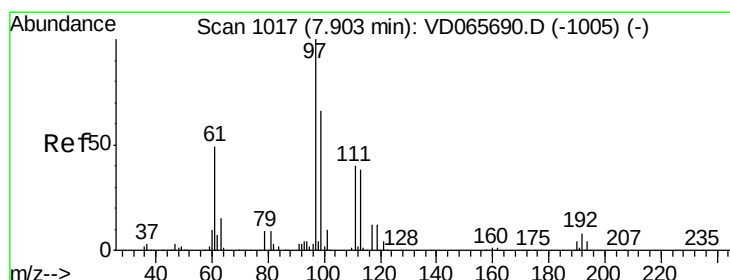
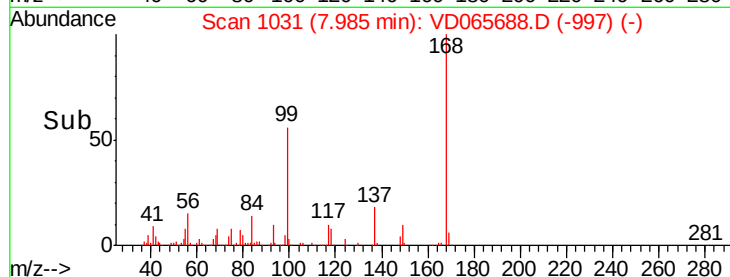
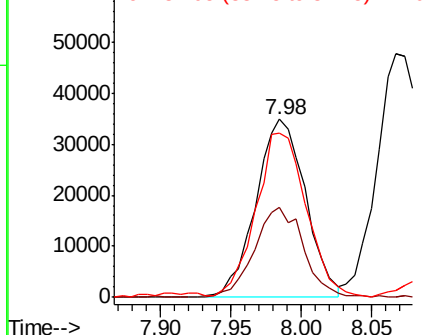
ClientSampleId :

Tot Ion: 56 Resp: 85970

Ion	Ratio	Lower	Upper
56	100		
69	50.2	26.2	39.4#
84	92.2	67.8	101.8



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



#32

1,1,1-Trichloroethane

Concen: 11.662 ug/l

RT: 7.91 min Scan# 1018

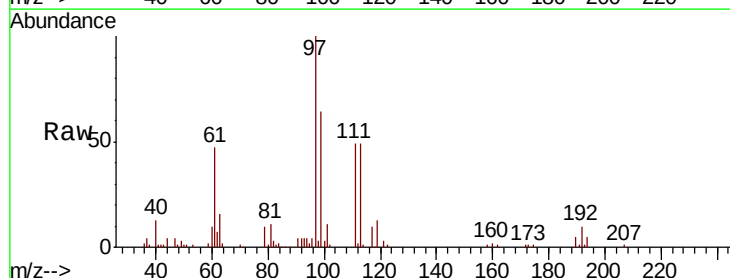
Delta R.T. 0.01 min

Lab File: VD065688.D

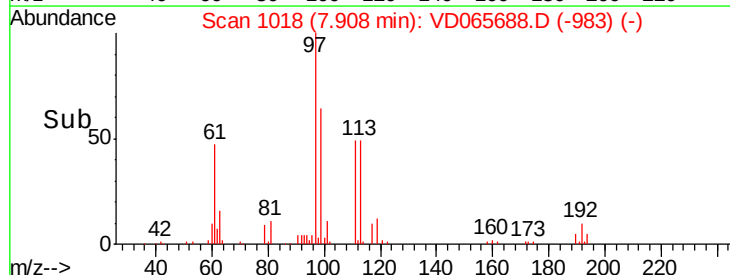
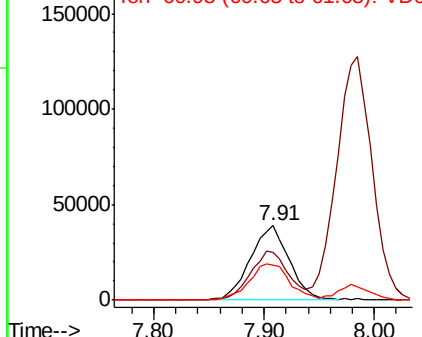
Acq: 01 May 2020 18:19

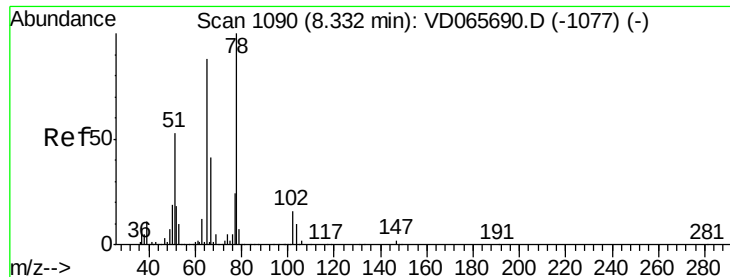
Tgt Ion: 97 Resp: 96322

Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.9	79.3
61	47.0	39.0	58.4



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

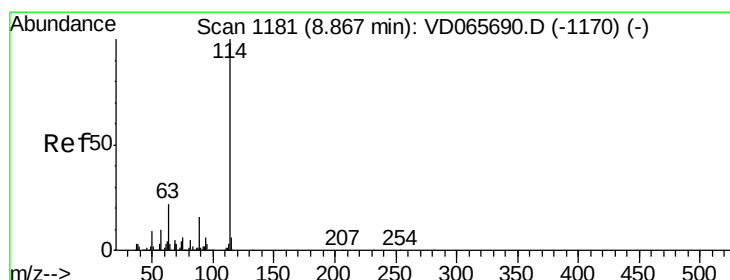
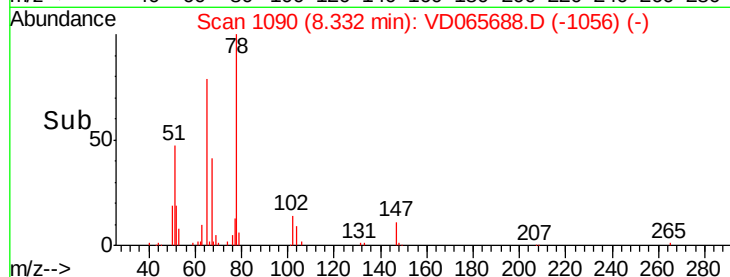
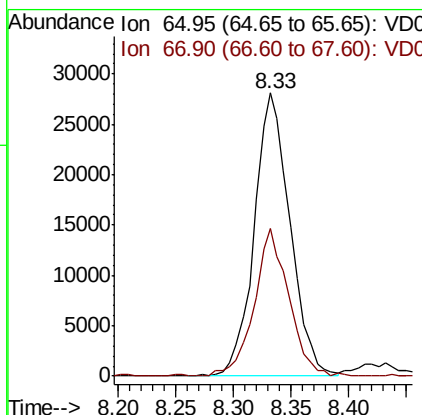
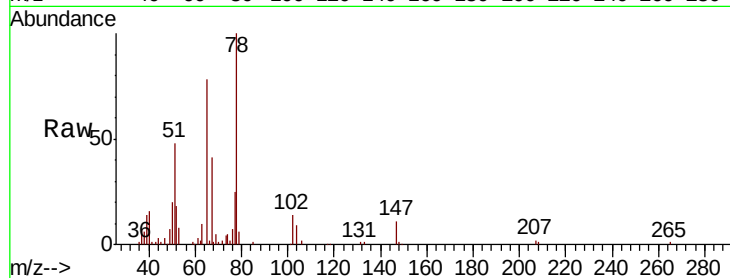




#33
 1,2-Dichloroethane-d4
 Concen: 13.572 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

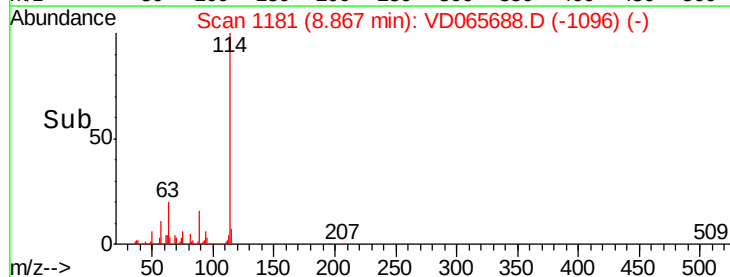
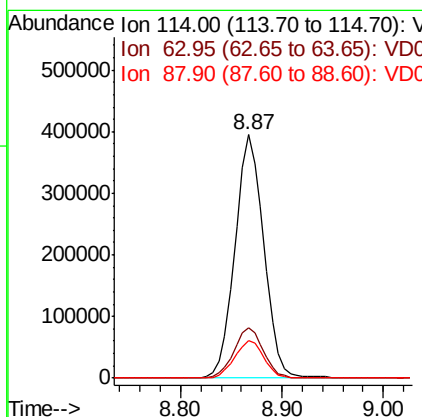
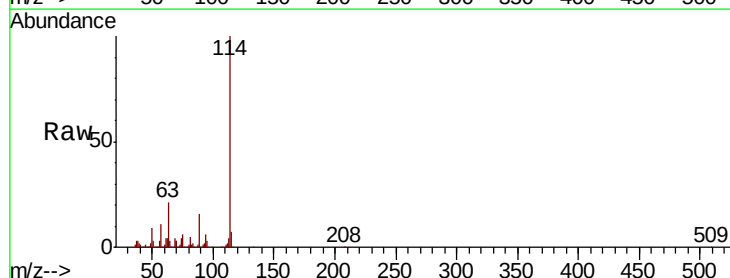
Instrument :
 MSVOA_D
 ClientSampleId :

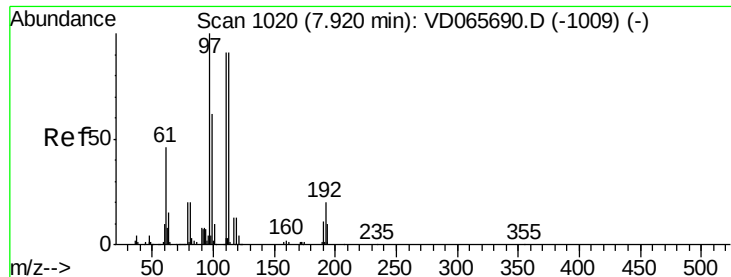
Tot Ion: 65 Resp: 60757
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 93.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion: 114 Resp: 779412
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 44.0
 88 15.7 0.0 31.8

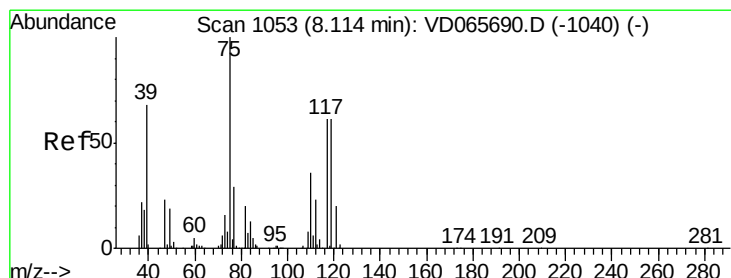
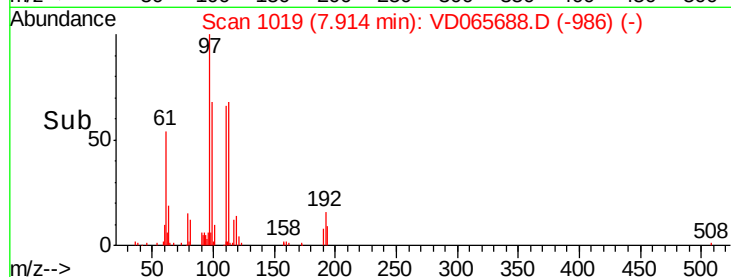
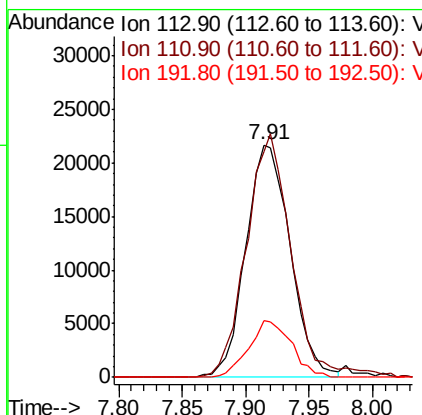
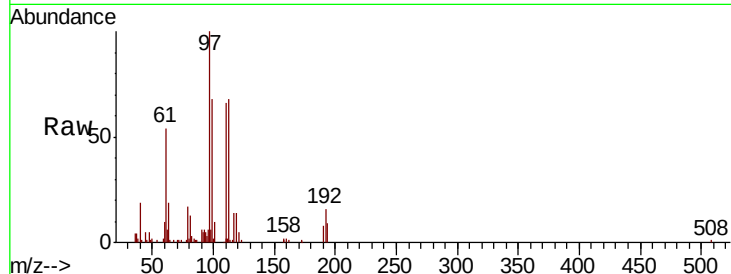




#35
 Dibromofluoromethane
 Concen: 9.757 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

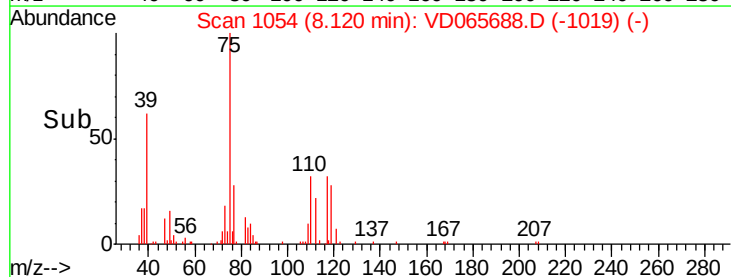
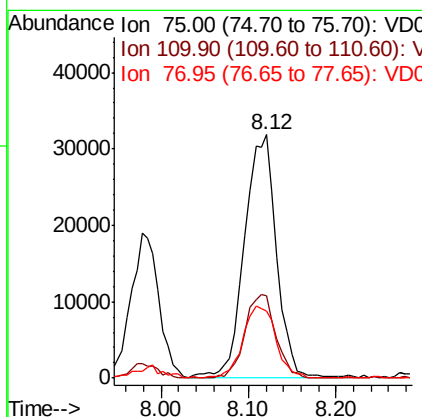
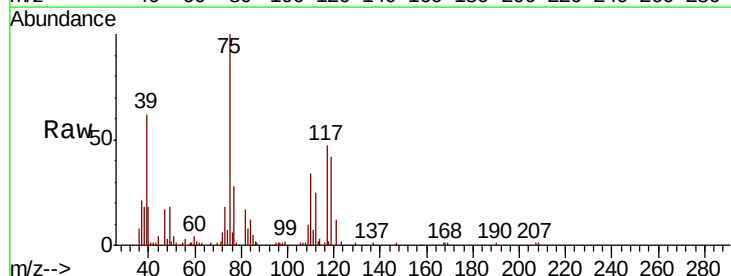
Instrument :
 MSVOA_D
 ClientSampleId :

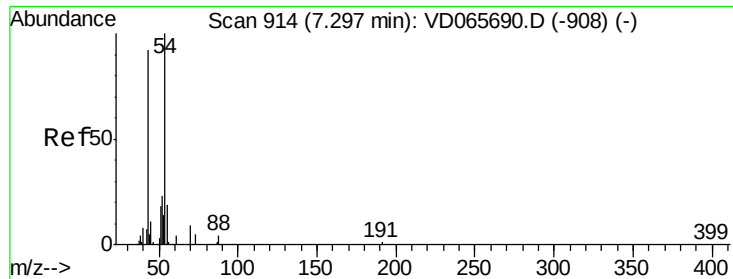
Tot Ion:113 Resp: 52916
 Ion Ratio Lower Upper
 113 100
 111 97.2 80.2 120.4
 192 24.2 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 12.484 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion: 75 Resp: 78992
 Ion Ratio Lower Upper
 75 100
 110 34.0 18.0 54.0
 77 27.5 23.5 35.3

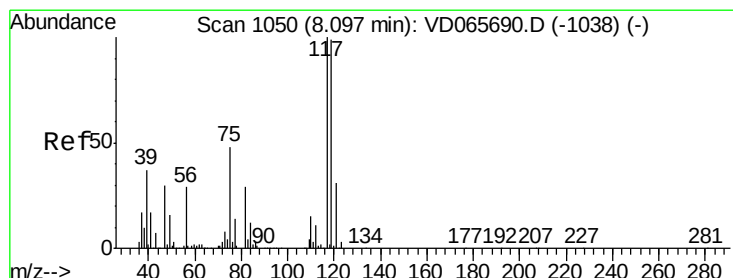
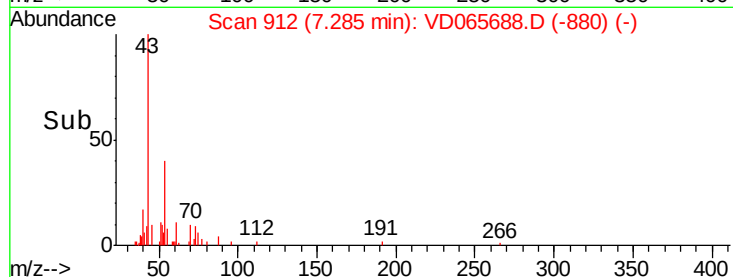
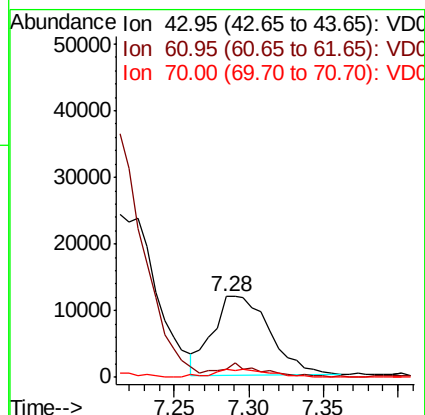
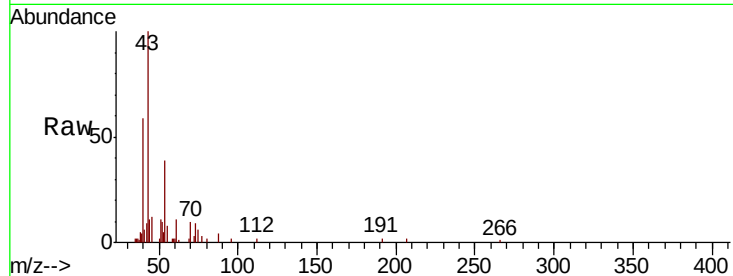




#37
Ethyl Acetate
Concen: 11.554 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

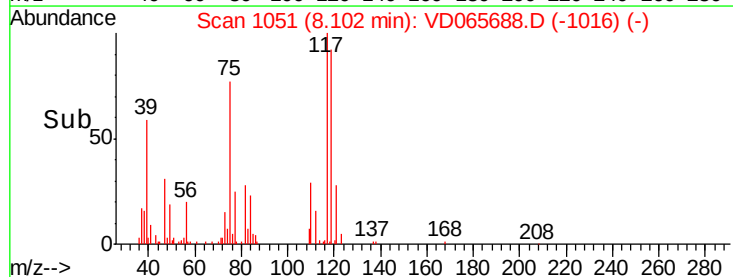
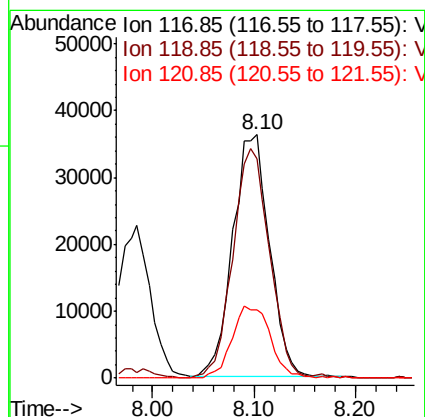
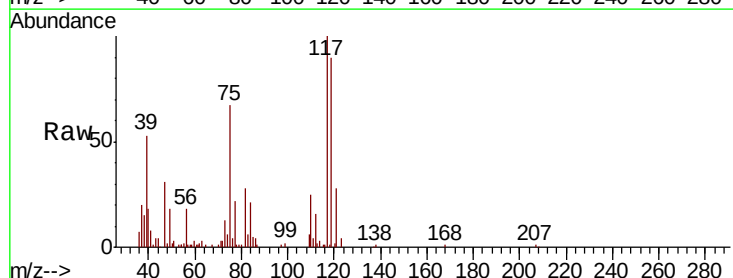
Instrument :
MSVOA_D
ClientSampled :

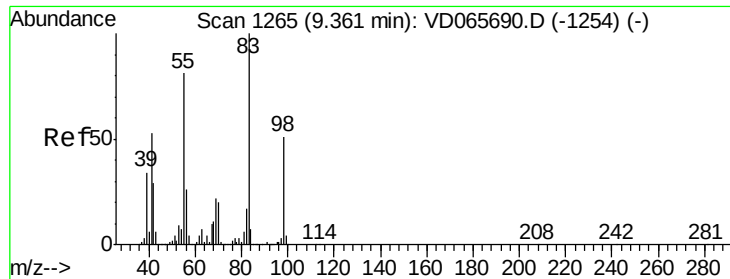
Tot Ion: 43 Resp: 31813
Ion Ratio Lower Upper
43 100
61 10.6 10.6 16.0#
70 10.0 7.0 10.4



#38
Carbon Tetrachloride
Concen: 11.870 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion: 117 Resp: 91629
Ion Ratio Lower Upper
117 100
119 89.9 79.0 118.6
121 28.1 24.9 37.3

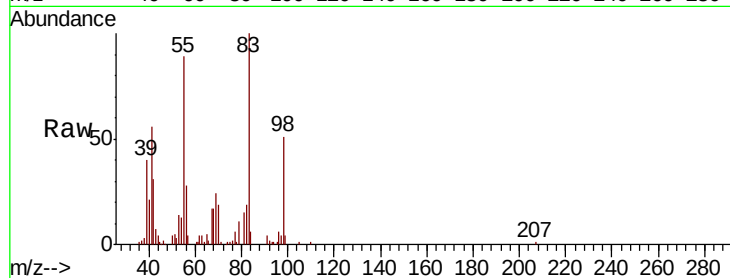




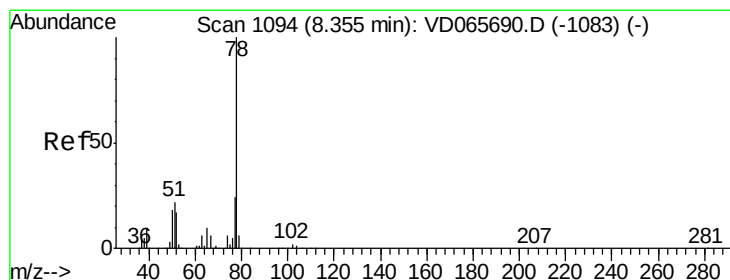
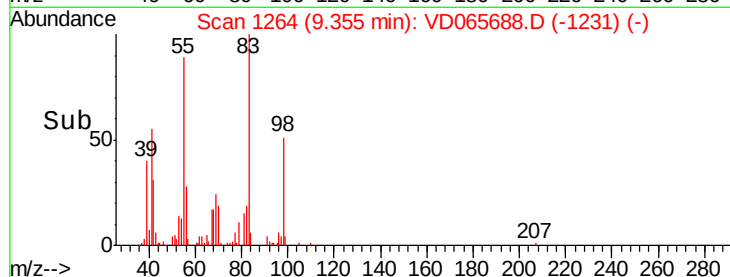
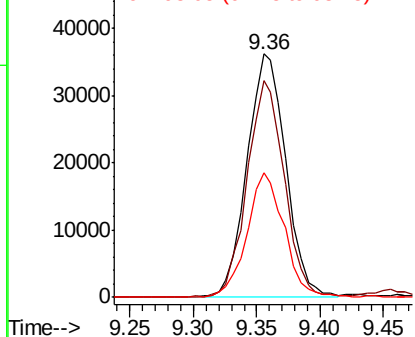
#39
Methylvlcyclohexane
Concen: 11.952 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 76839
Ion Ratio Lower Upper
83 100
55 88.8 65.0 97.4
98 51.2 41.2 61.8

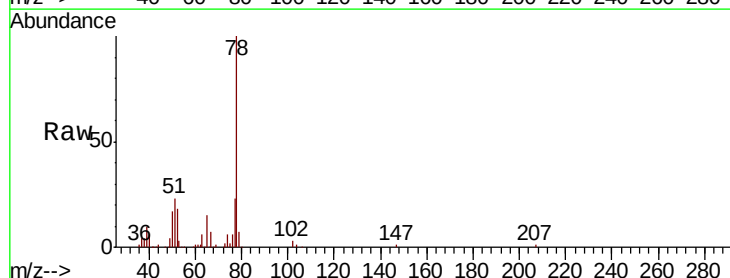


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

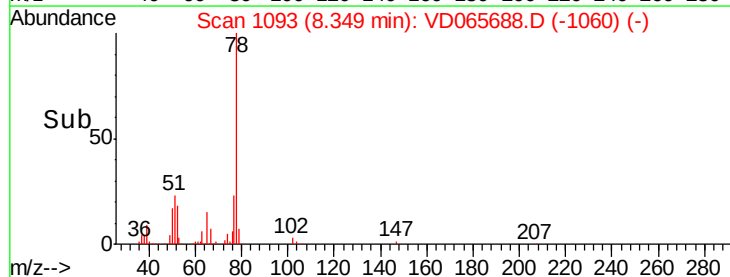
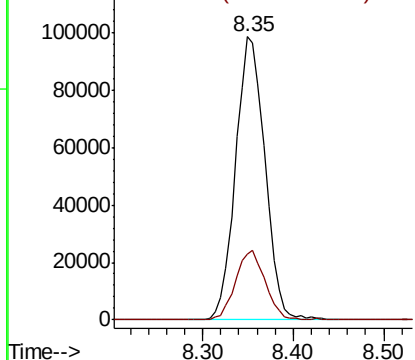


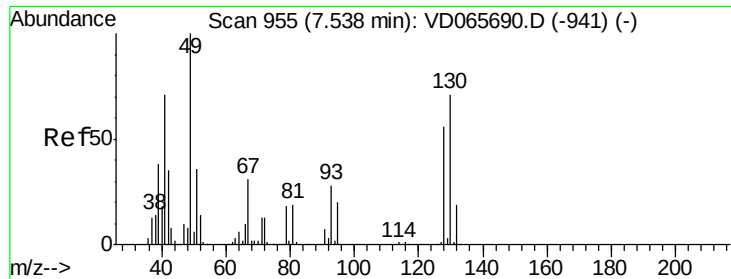
#40
Benzene
Concen: 13.806 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion: 78 Resp: 222699
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8



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

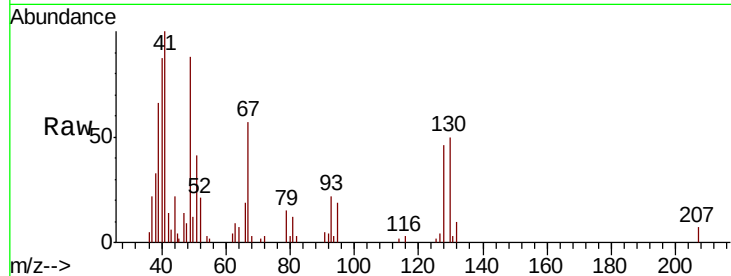




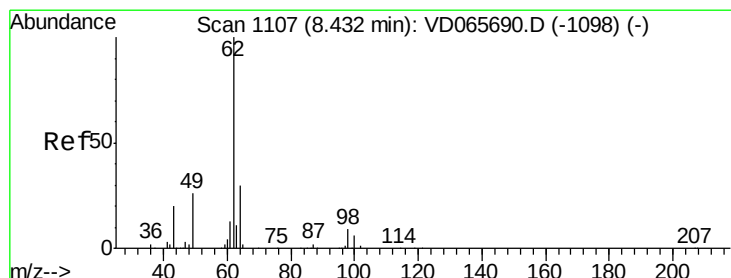
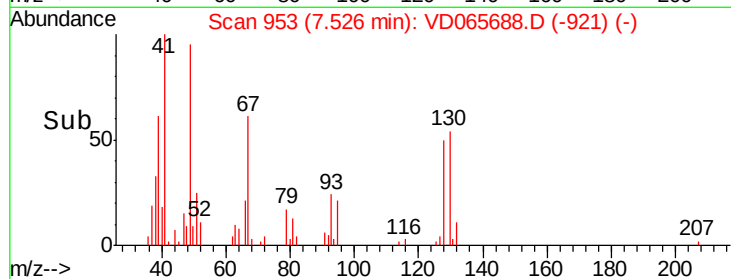
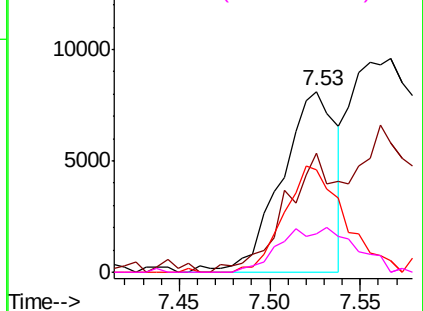
#41
Methacrylonitrile
Concen: 6.057 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 17183
Ion Ratio Lower Upper
41 100
39 65.8 42.8 64.2#
67 56.9 34.8 52.2#
52 20.9 15.5 23.3

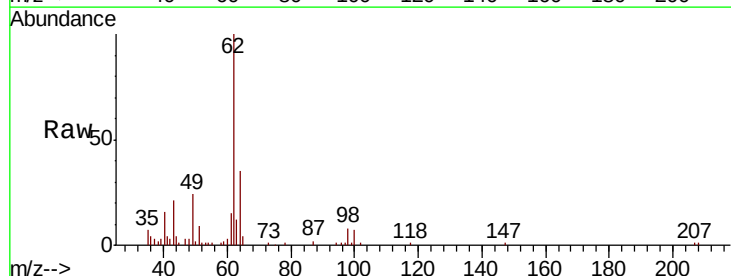


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

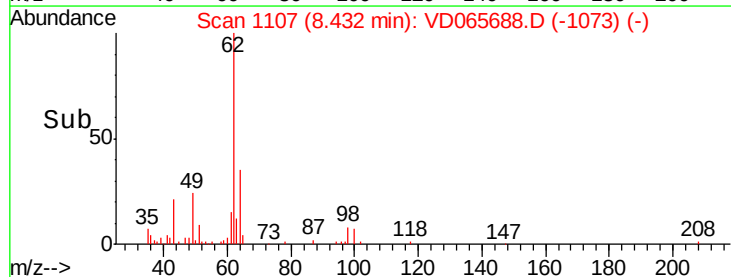
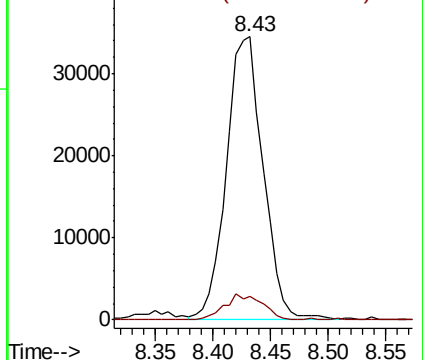


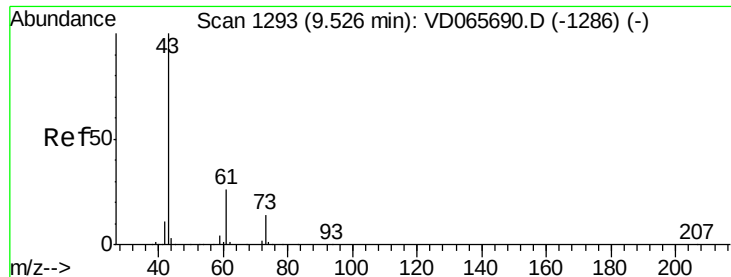
#42
1,2-Dichloroethane
Concen: 14.056 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion: 62 Resp: 76336
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.4



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

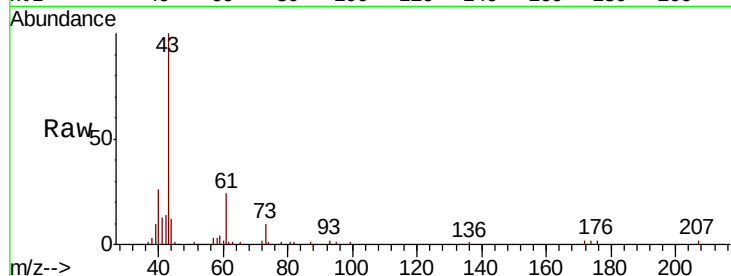




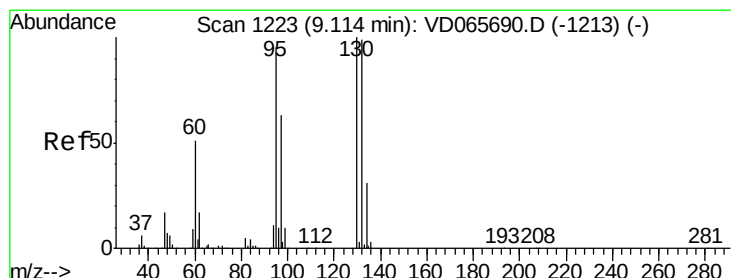
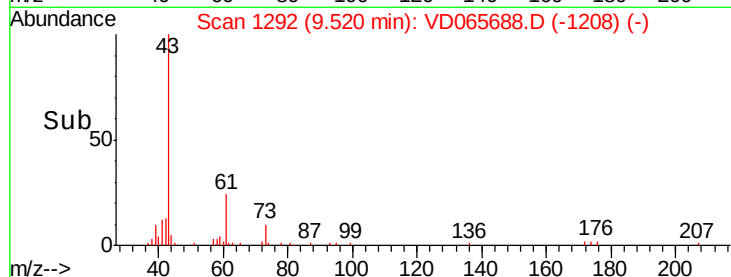
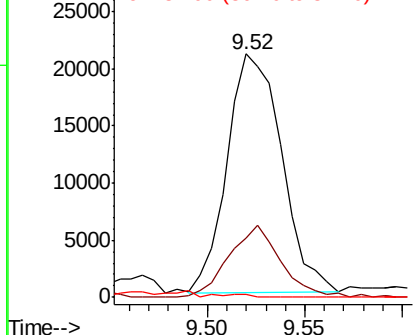
#43
Isopropyl Acetate
Concen: 10.352 ug/l
RT: 9.52 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 40583
Ion Ratio Lower Upper
43 100
61 24.2 20.5 30.7
87 1.3 0.3 0.5#

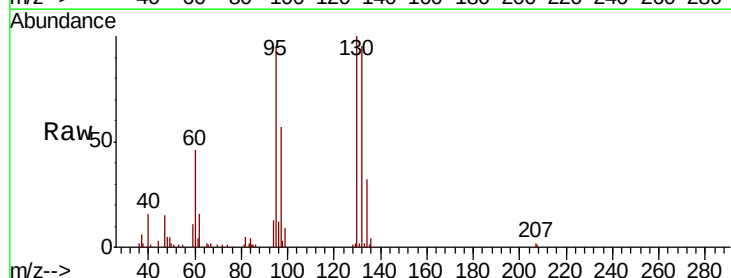


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

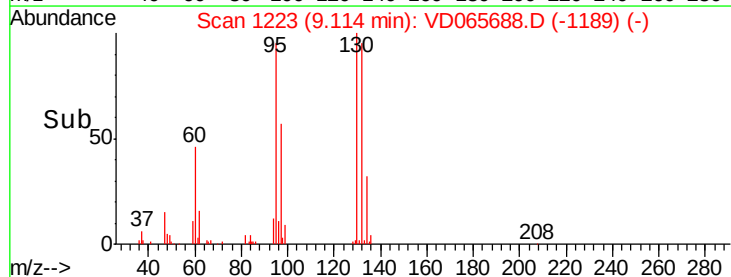
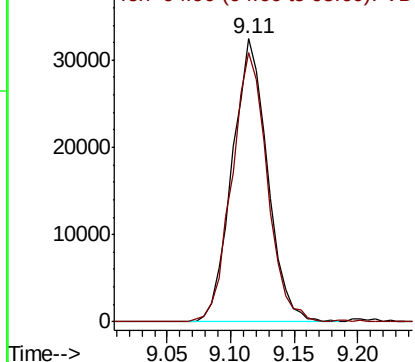


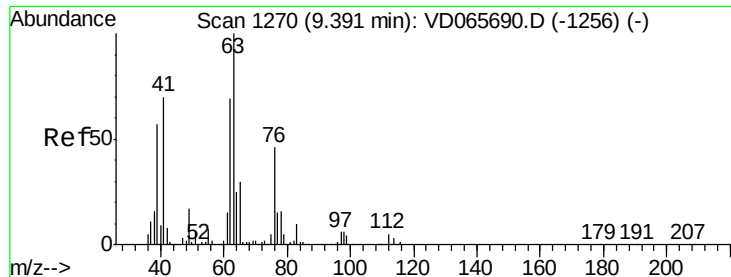
#44
Trichloroethene
Concen: 10.722 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion: 130 Resp: 62400
Ion Ratio Lower Upper
130 100
95 95.2 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 14.231 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

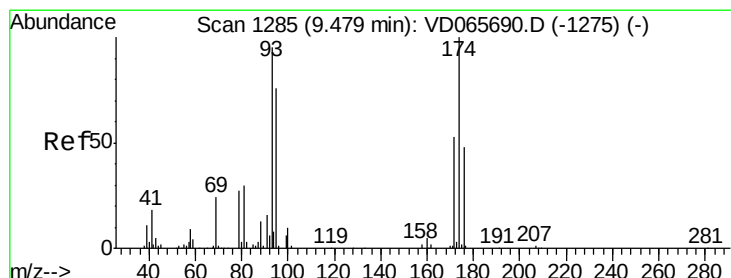
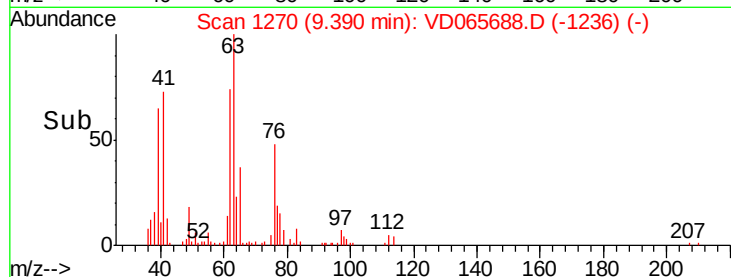
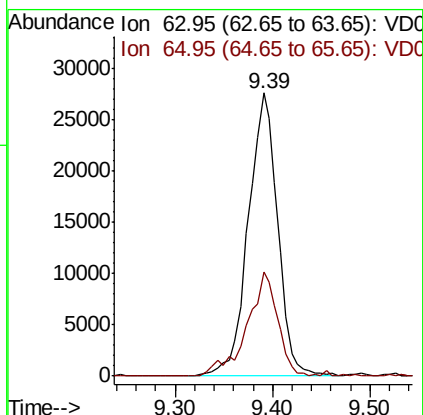
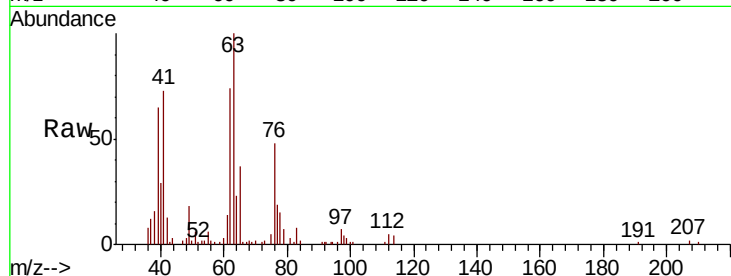
ClientSampleId :

Tot Ion: 63 Resp: 58385

Ion Ratio Lower Upper

63 100

65 36.8 23.8 35.8#



#46

Dibromomethane

Concen: 11.131 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

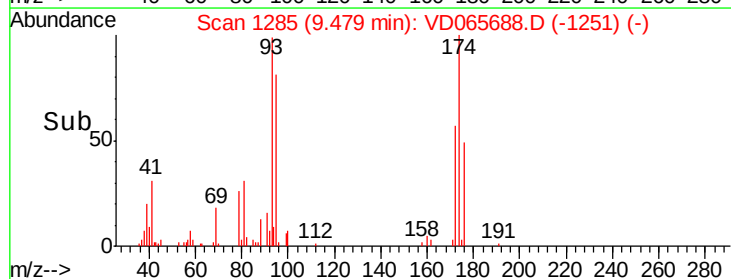
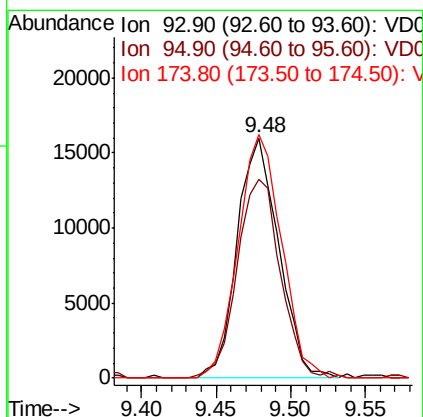
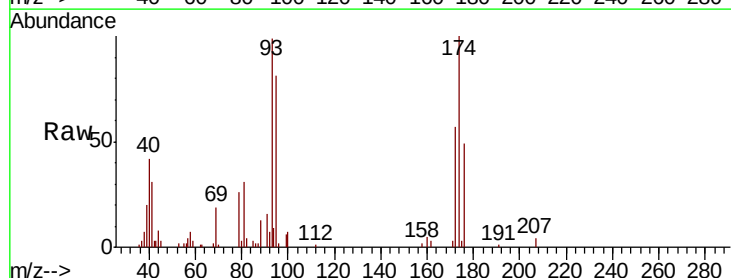
Tgt Ion: 93 Resp: 30921

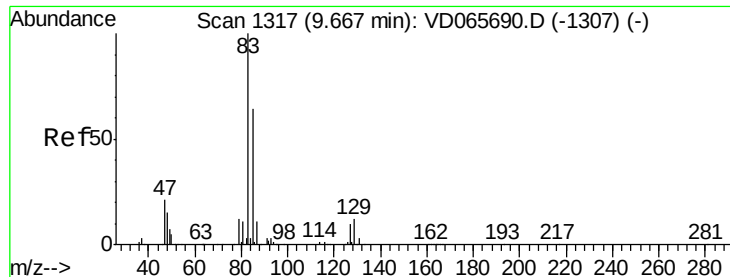
Ion Ratio Lower Upper

93 100

95 82.6 63.9 95.9

174 101.4 84.3 126.5





#47

Bromodichloromethane

Concen: 12.554 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

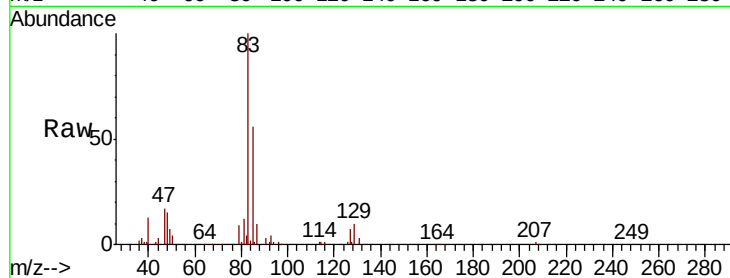
Tot Ion: 83 Resp: 84718

Ion Ratio Lower Upper

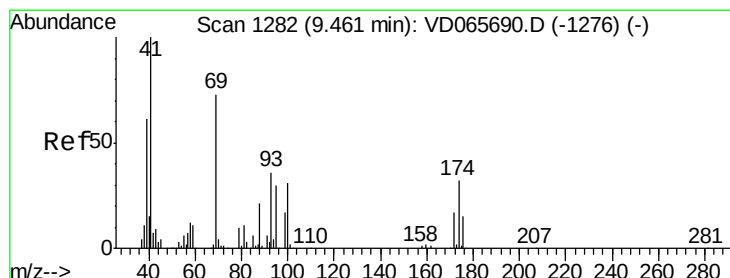
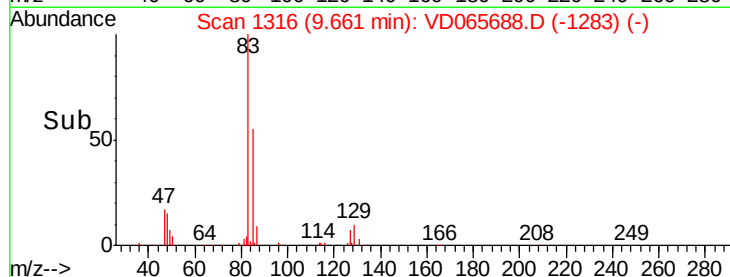
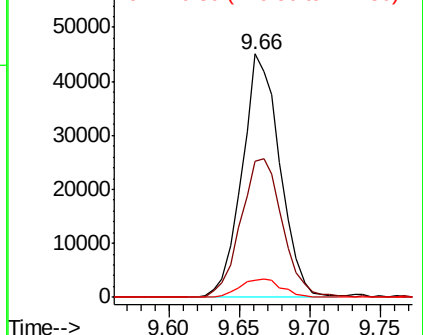
83 100

85 56.0 51.6 77.4

127 7.2 7.8 11.6#



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



#48

Methyl methacrylate

Concen: 10.706 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

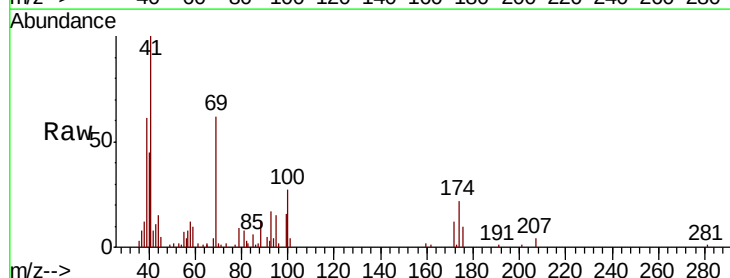
Tgt Ion: 41 Resp: 25364

Ion Ratio Lower Upper

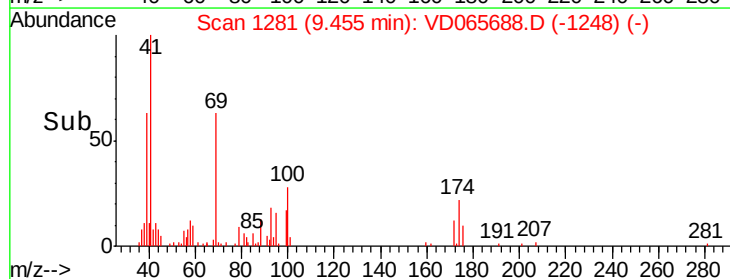
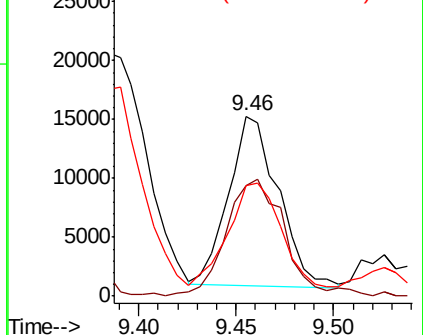
41 100

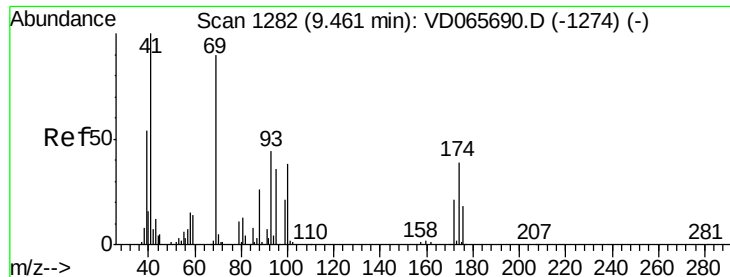
69 61.5 54.9 82.3

39 61.2 49.7 74.5



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





#49

1,4-Dioxane

Concen: 243.250 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :
MSVOA_D
ClientSampled :

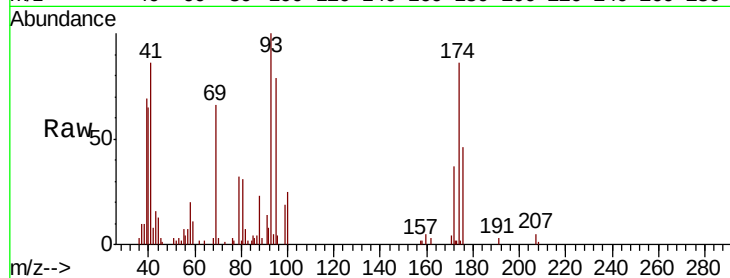
Tot Ion: 88 Resp: 6071

Ion Ratio Lower Upper

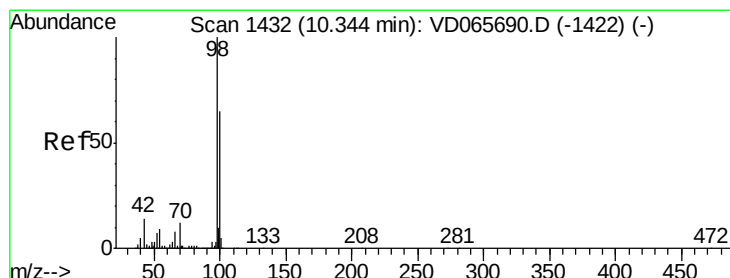
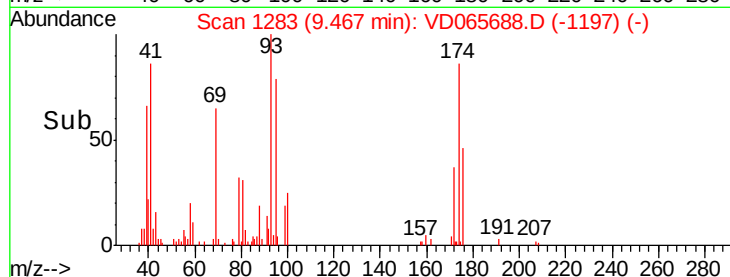
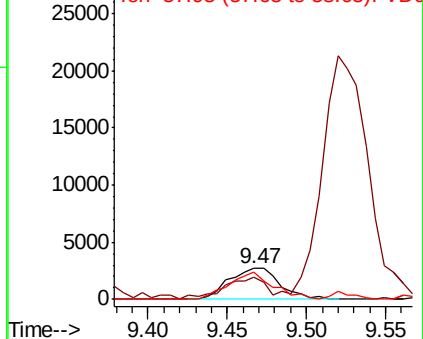
88 100

43 72.3 36.7 55.1#

58 87.9 47.0 70.4#



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



#50

Toluene-d8

Concen: 12.812 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065688.D

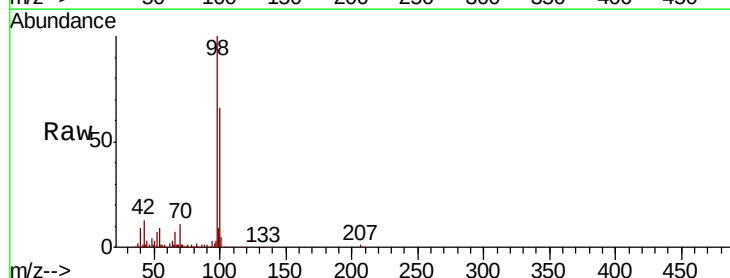
Acq: 01 May 2020 18:19

Tgt Ion: 98 Resp: 181786

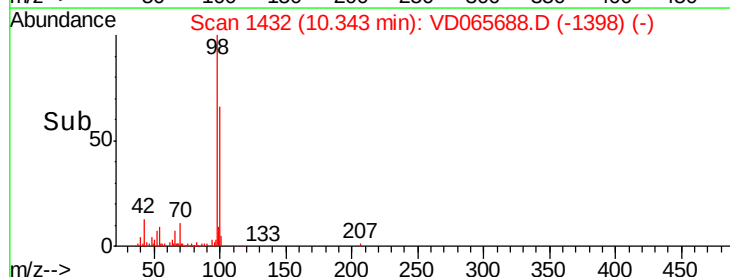
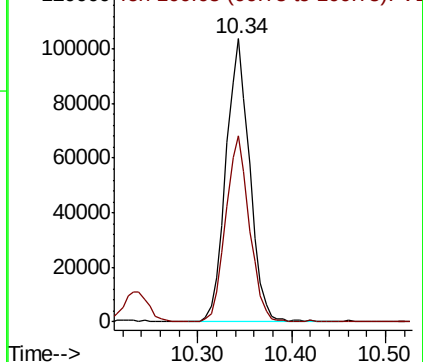
Ion Ratio Lower Upper

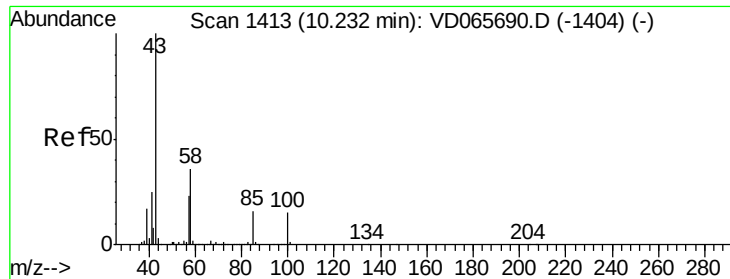
98 100

100 65.5 51.9 77.9



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

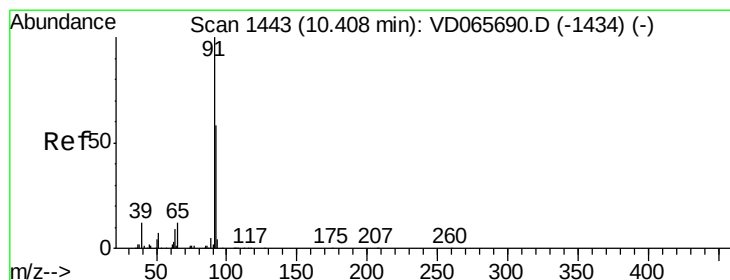
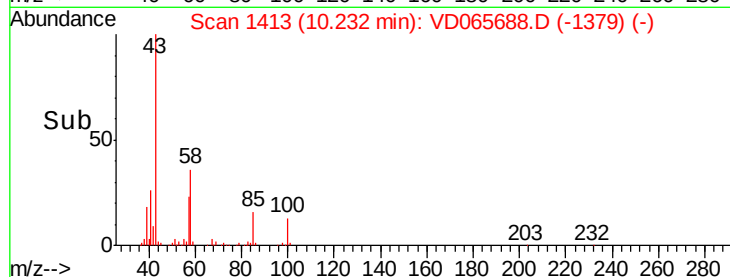
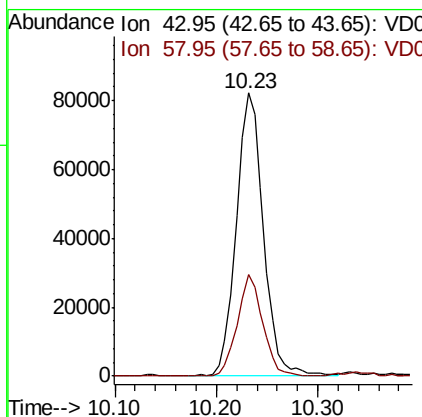
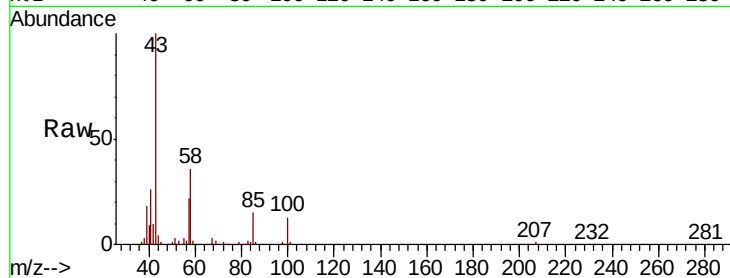




#51
4-Methyl-2-Pentanone
Concen: 61.439 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

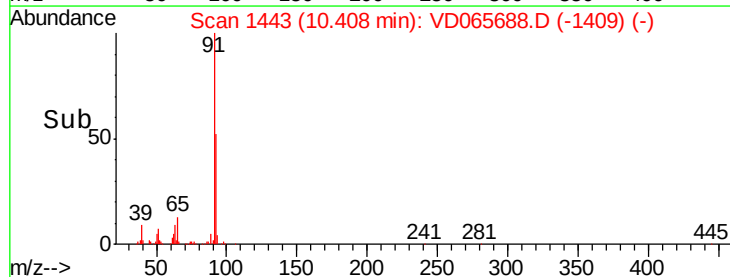
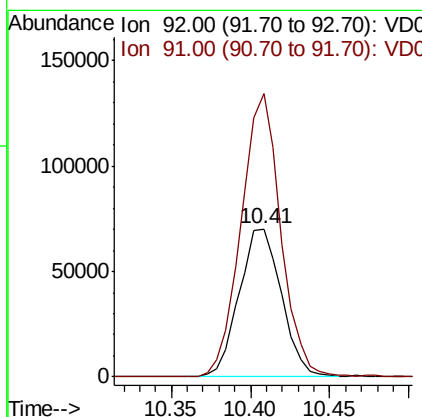
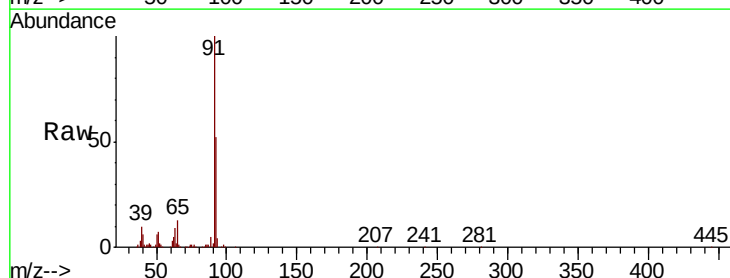
Instrument :
MSVOA_D
ClientSampleId :

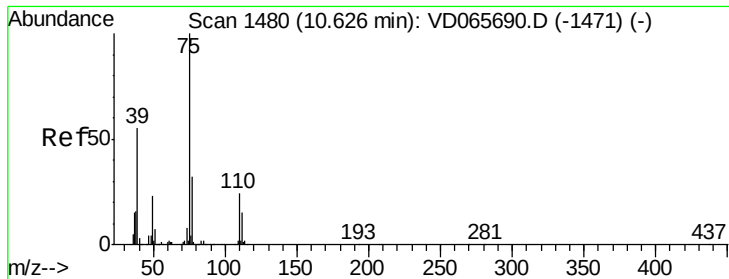
Tot Ion: 43 Resp: 153147
Ion Ratio Lower Upper
43 100
58 36.0 28.8 43.2



#52
Toluene
Concen: 12.521 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion: 92 Resp: 130493
Ion Ratio Lower Upper
92 100
91 191.2 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 12.266 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

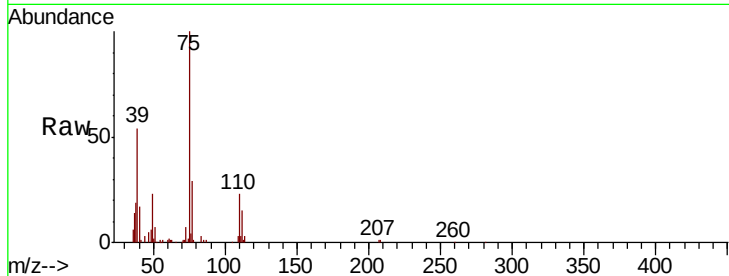
ClientSampleId :

Tot Ion: 75 Resp: 69842

Ion Ratio Lower Upper

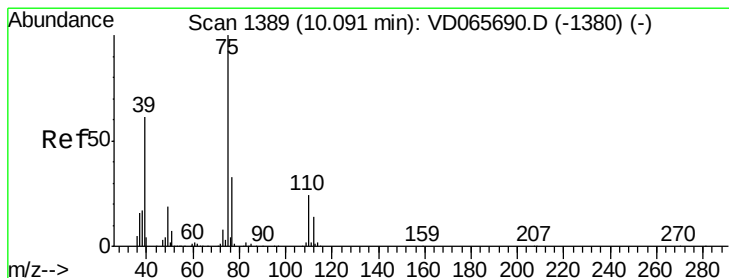
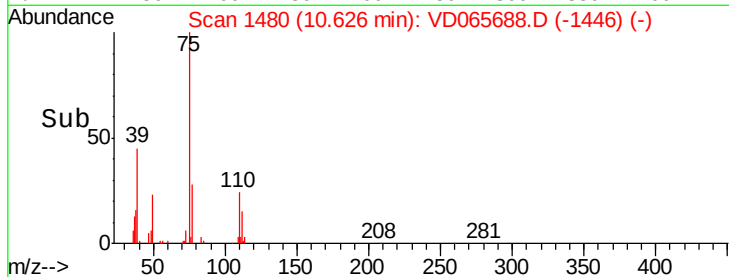
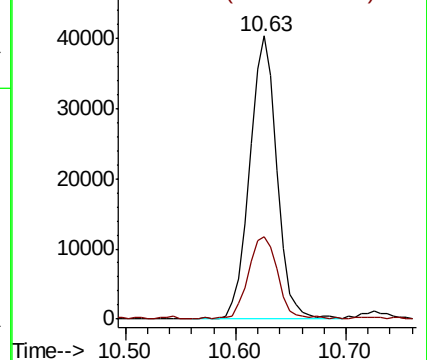
75 100

77 29.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 11.559 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

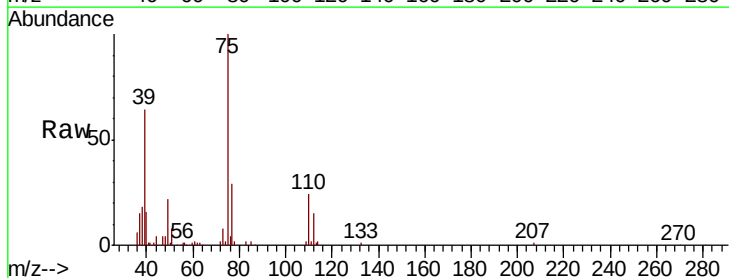
Tgt Ion: 75 Resp: 80100

Ion Ratio Lower Upper

75 100

77 28.5 26.6 40.0

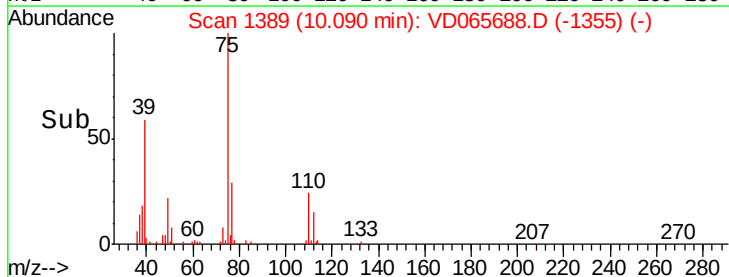
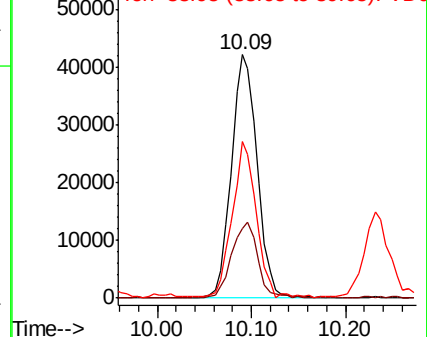
39 64.1 48.8 73.2

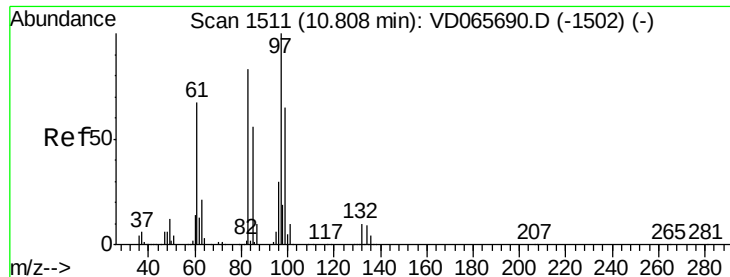


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

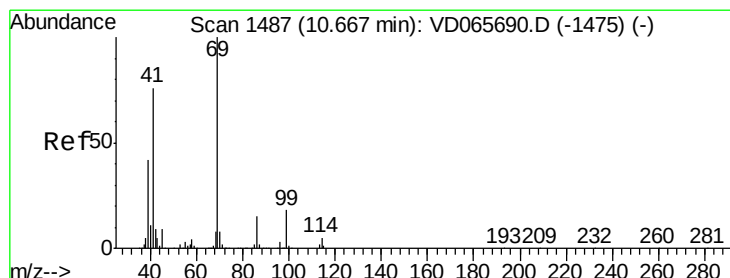
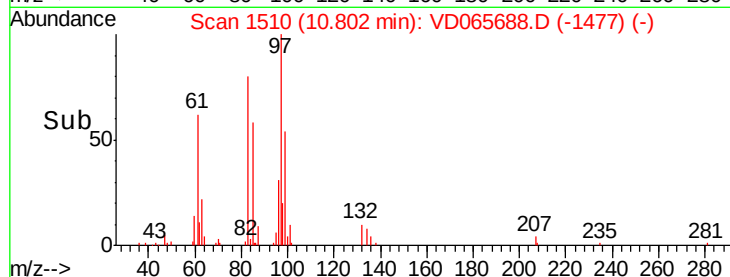
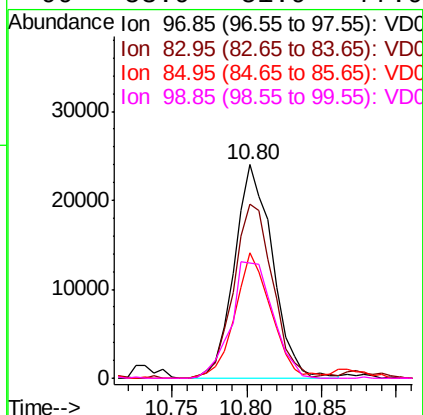
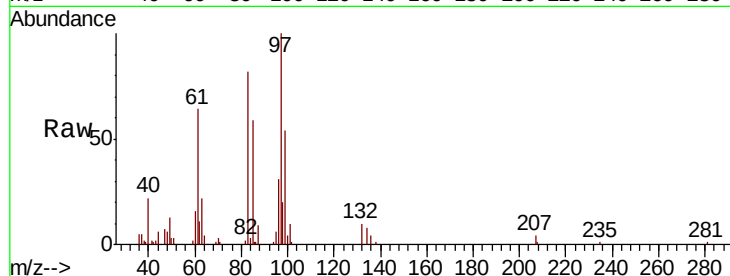




#55
 1,1,2-Trichloroethane
 Concen: 12.730 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

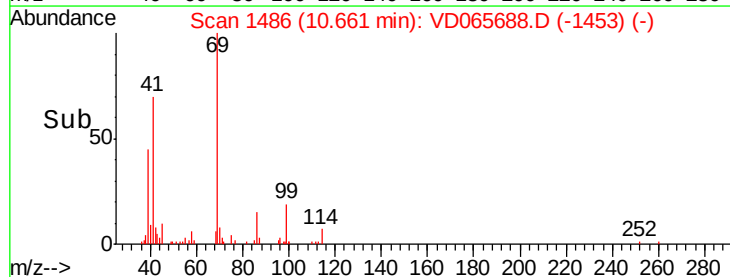
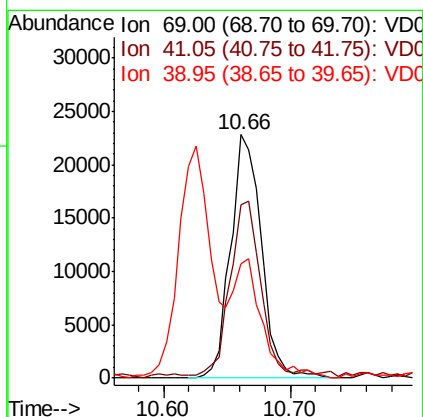
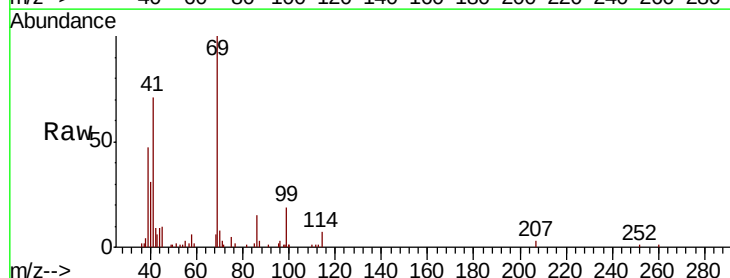
Instrument :
 MSVOA_D
 ClientSampleId :

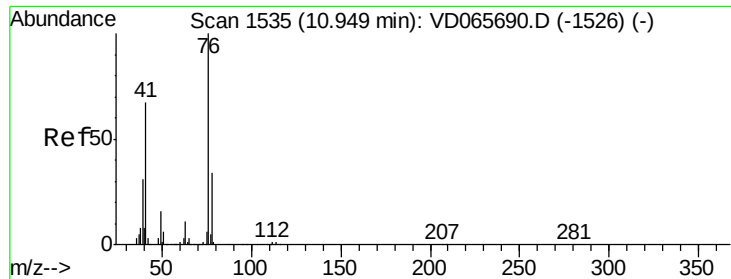
Tot Ion:	97	Resp:	42770
Ion	Ratio	Lower	Upper
97	100		
83	81.5	66.7	100.1
85	58.7	45.0	67.4
99	53.9	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 10.138 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion:	69	Resp:	38212
Ion	Ratio	Lower	Upper
69	100		
41	71.4	61.4	92.0
39	47.1	36.6	54.8





#57

1,3-Dichloropropane

Concen: 13.283 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

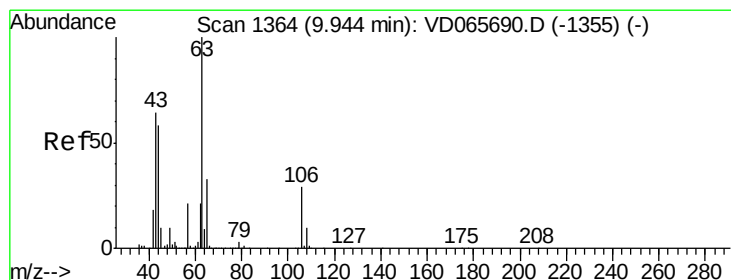
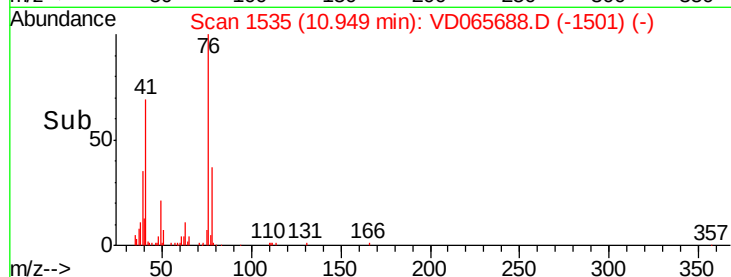
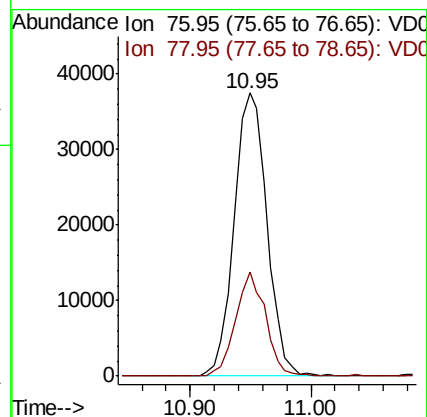
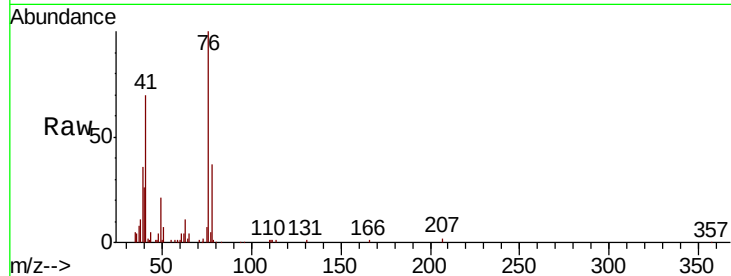
ClientSampleId :

Tot Ion: 76 Resp: 70787

Ion Ratio Lower Upper

76 100

78 36.7 26.9 40.3



#58

2-Chloroethyl Vinyl ether

Concen: 55.548 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD065688.D

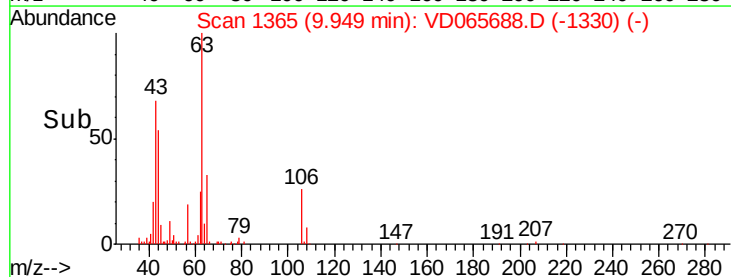
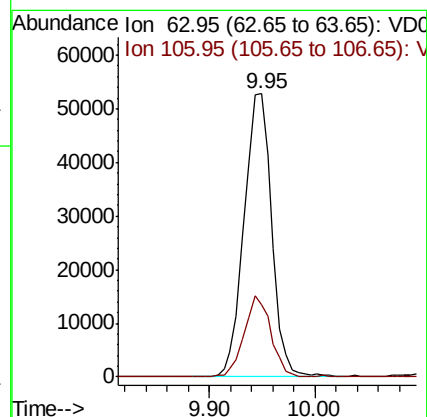
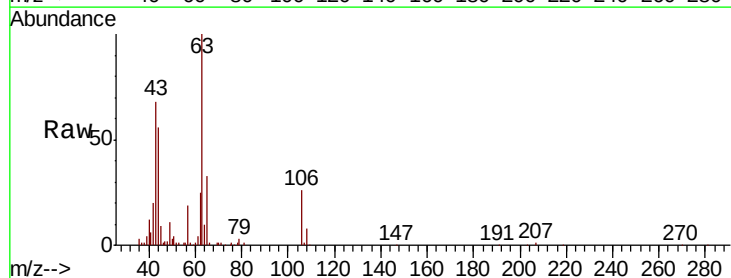
Acq: 01 May 2020 18:19

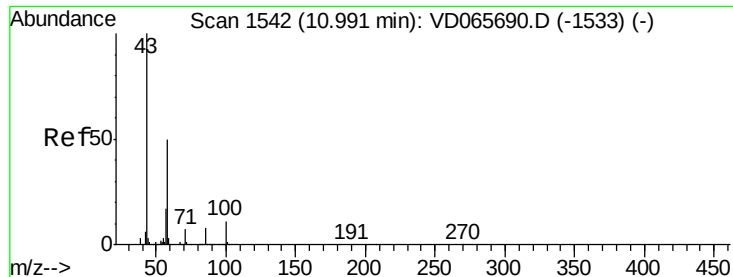
Tgt Ion: 63 Resp: 96152

Ion Ratio Lower Upper

63 100

106 25.6 23.4 35.2

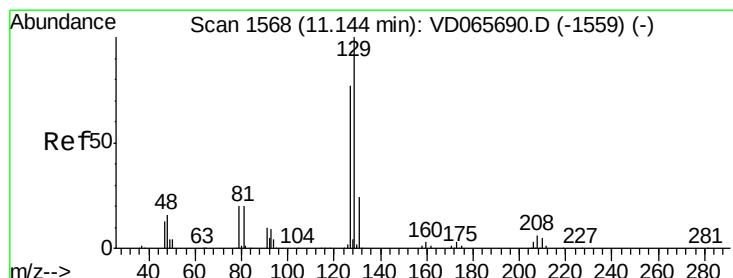
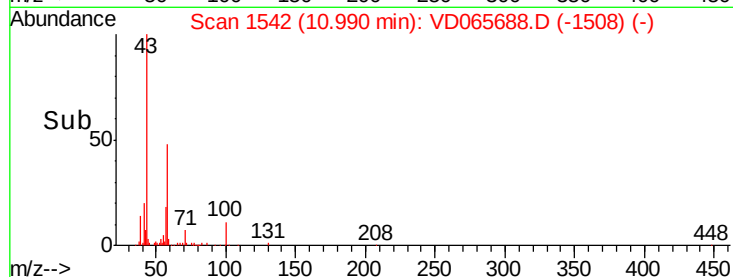
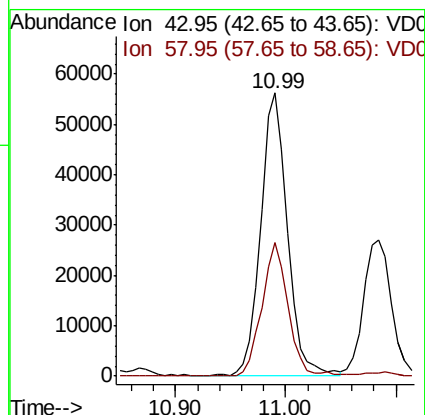
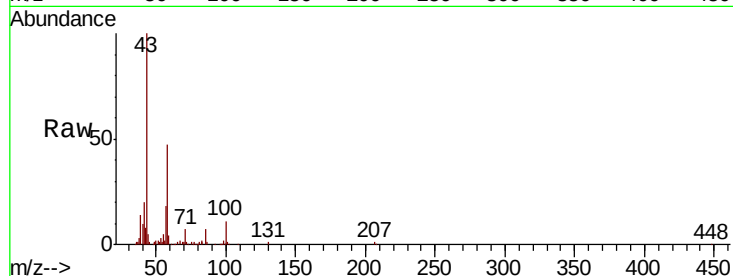




#59
2-Hexanone
Concen: 52.523 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

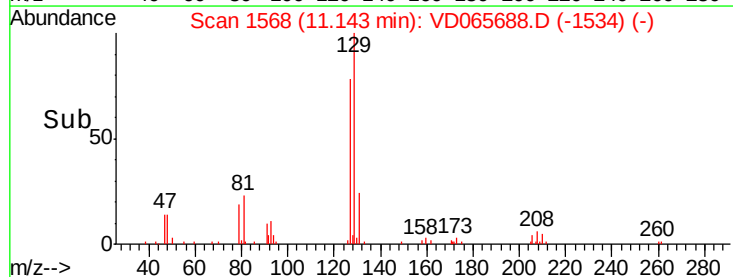
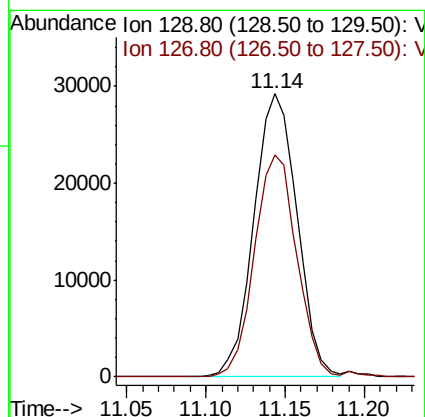
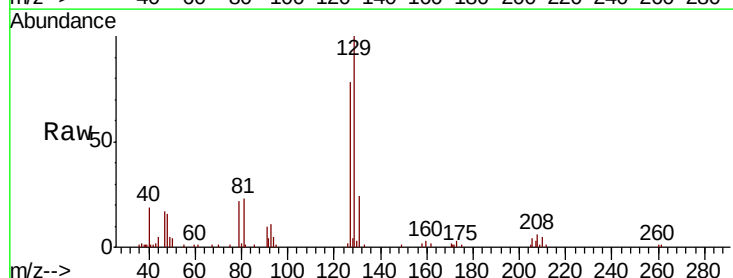
Instrument :
MSVOA_D
ClientSampleId :

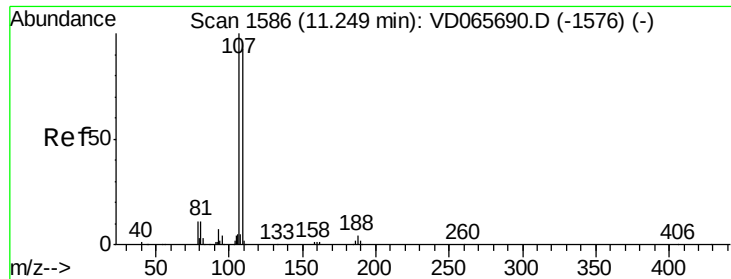
Tot Ion: 43 Resp: 96059
Ion Ratio Lower Upper
43 100
58 47.0 24.8 74.4



#60
Dibromochloromethane
Concen: 10.354 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion: 129 Resp: 55348
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.8

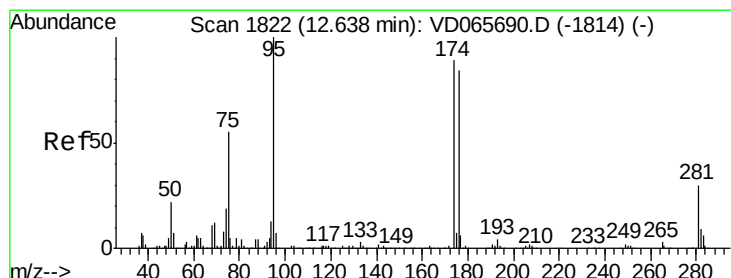
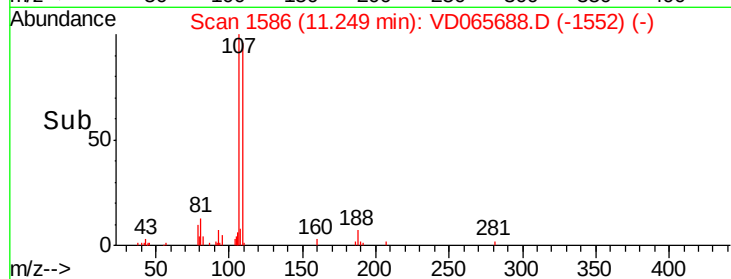
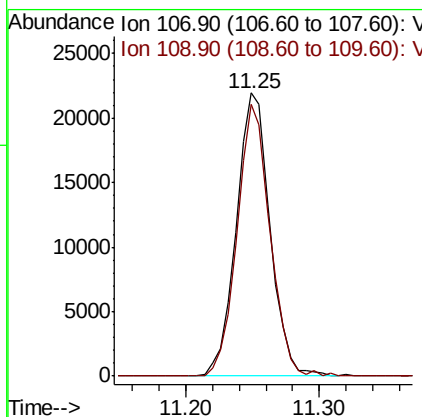
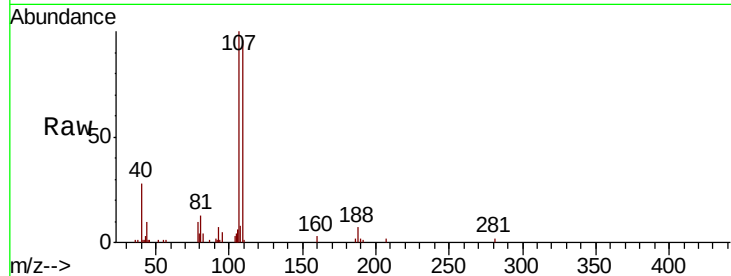




#61
 1,2-Dibromoethane
 Concen: 9.860 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

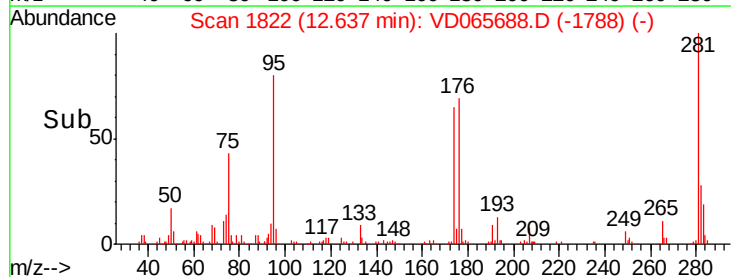
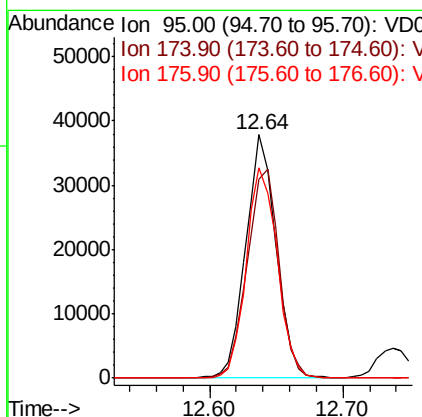
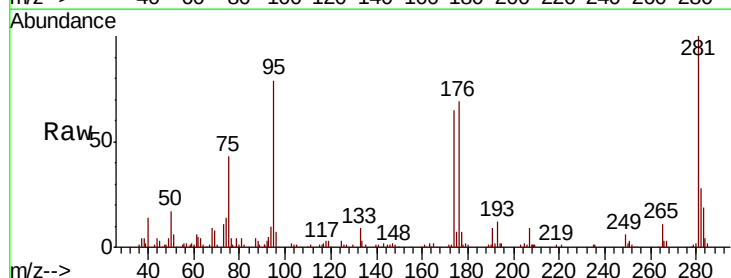
Instrument :
 MSVOA_D
 ClientSampleId :

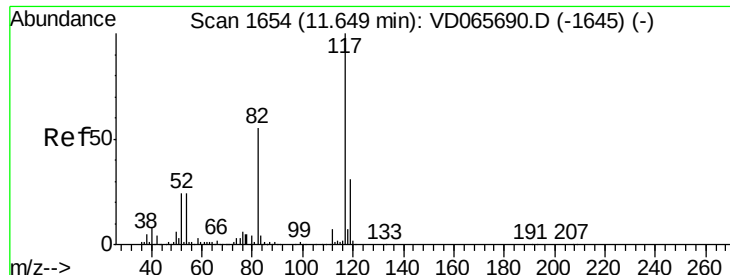
Tot Ion: 107 Resp: 38283
 Ion Ratio Lower Upper
 107 100
 109 96.1 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 10.891 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion: 95 Resp: 59225
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 177.6
 176 86.4 0.0 168.2

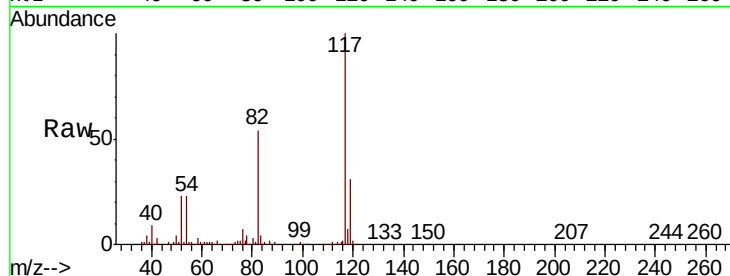




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.6	65.4
119	30.6	25.0	37.6

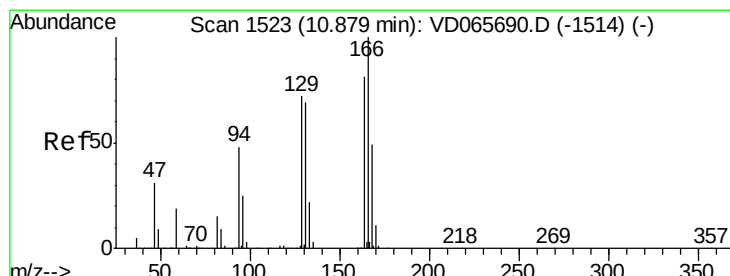
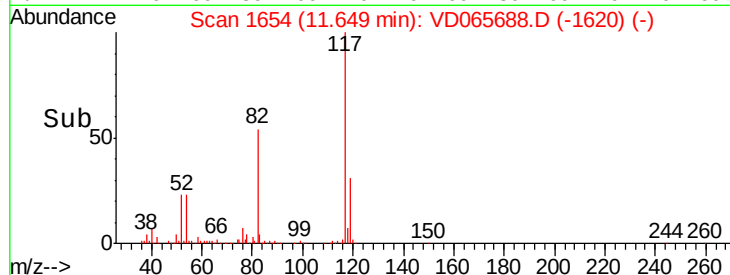
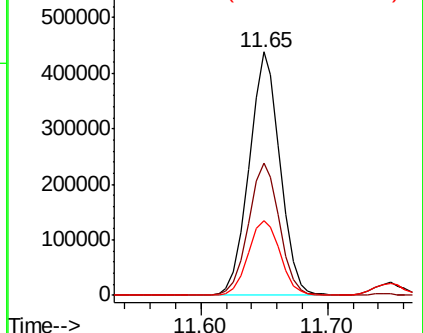


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 10.335 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	99.0	148.6
129	88.7	71.5	107.3
131	84.6	68.2	102.4

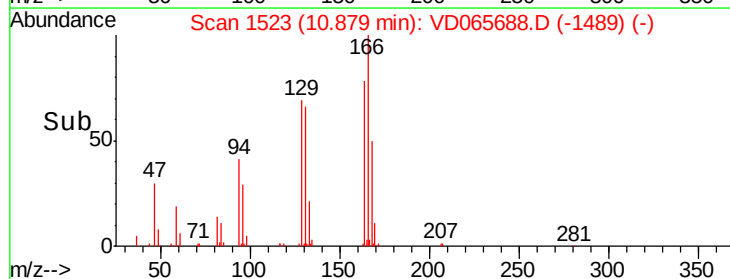
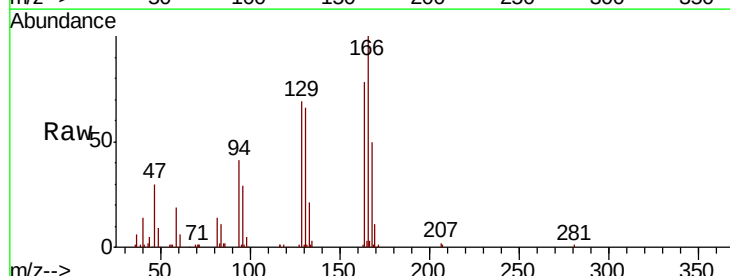
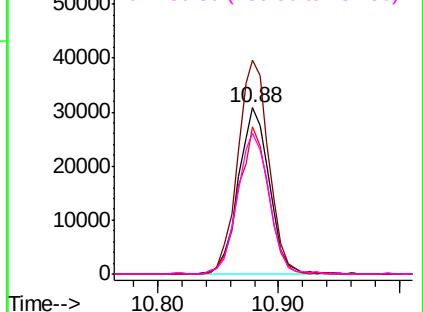
Abundance

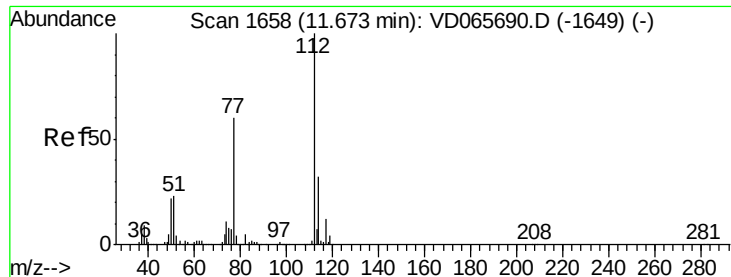
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

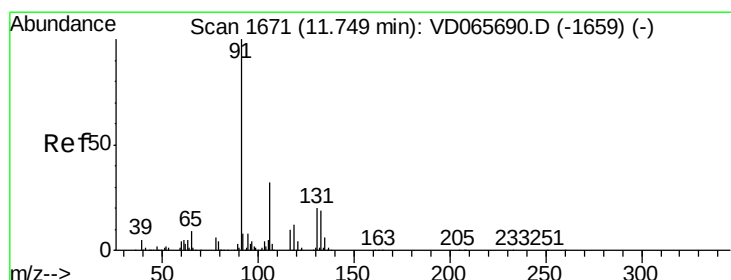
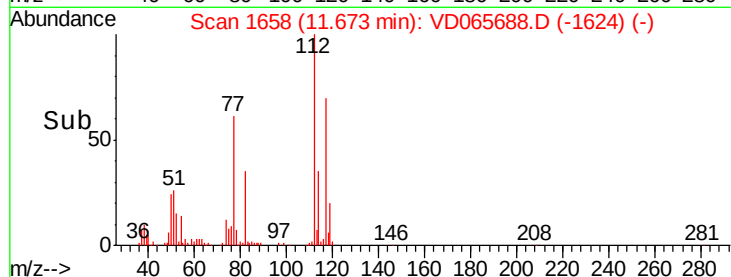
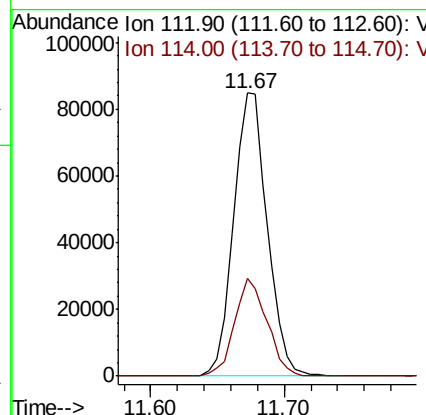
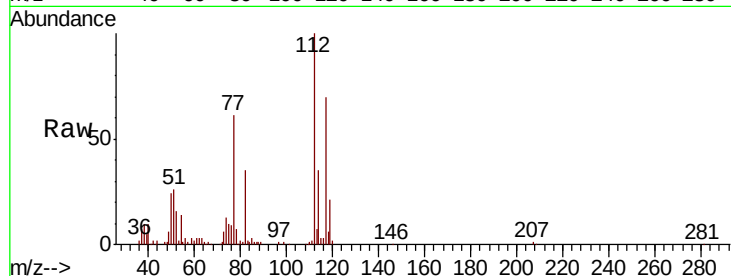




#65
Chlorobenzene
Concen: 10.433 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

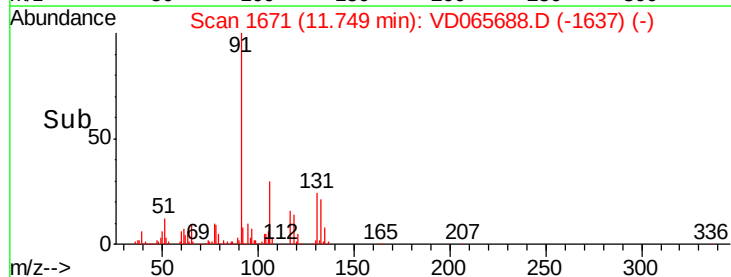
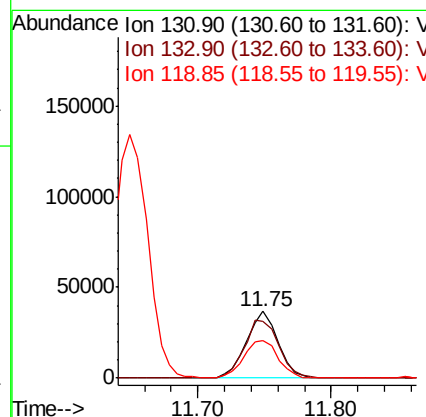
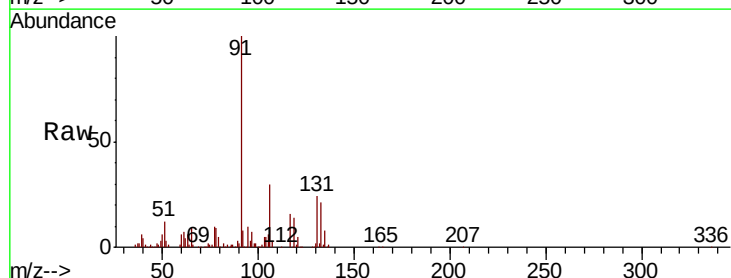
Instrument :
MSVOA_D
ClientSampleId :

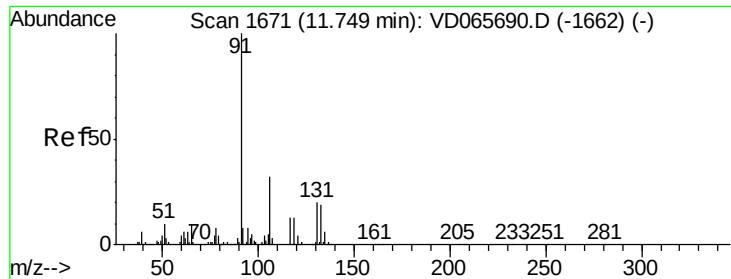
Tot Ion:112 Resp: 148820
Ion Ratio Lower Upper
112 100
114 34.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 10.027 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion:131 Resp: 59575
Ion Ratio Lower Upper
131 100
133 86.3 47.9 143.8
119 57.1 32.0 96.2

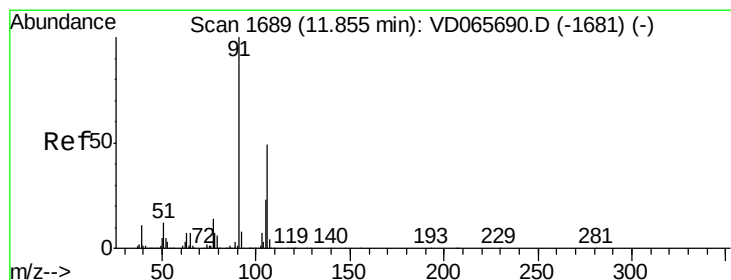
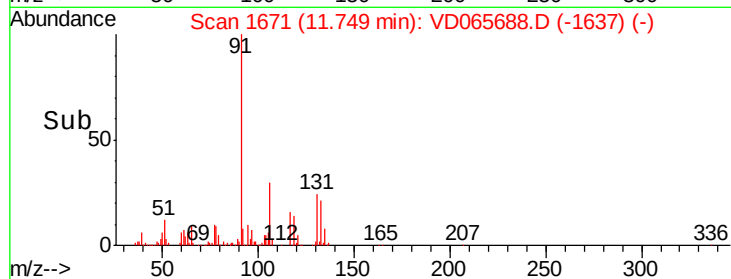
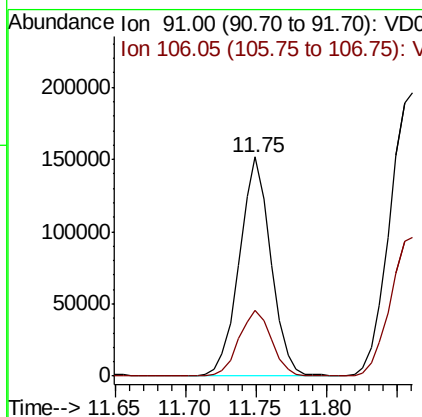
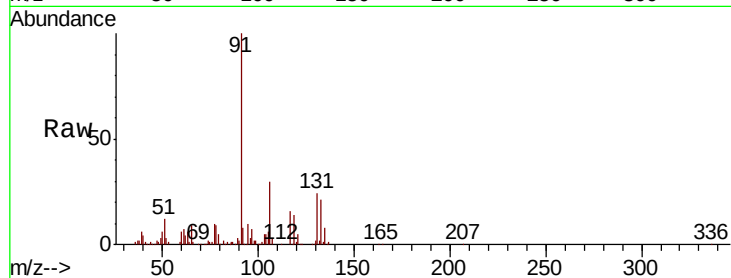




#67
Ethyl Benzene
Concen: 9.991 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

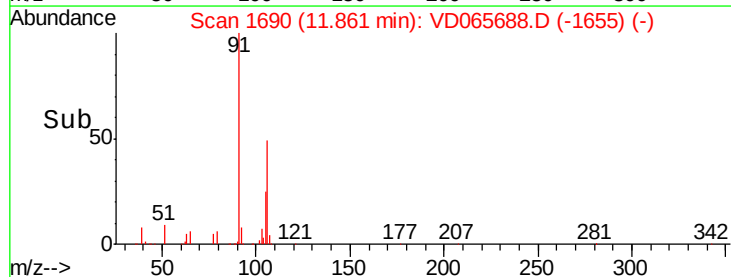
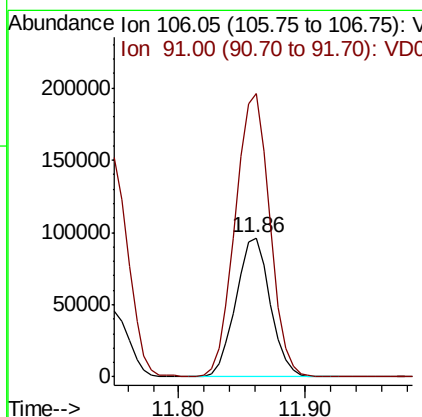
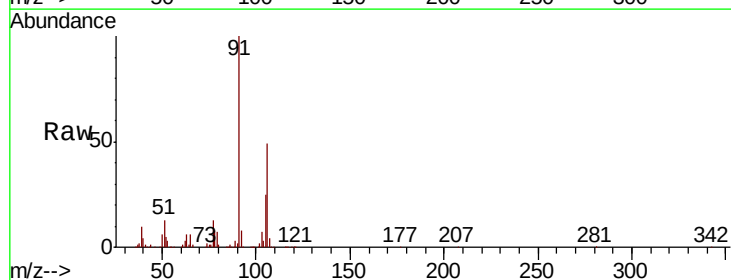
Instrument :
MSVOA_D
ClientSampleId :

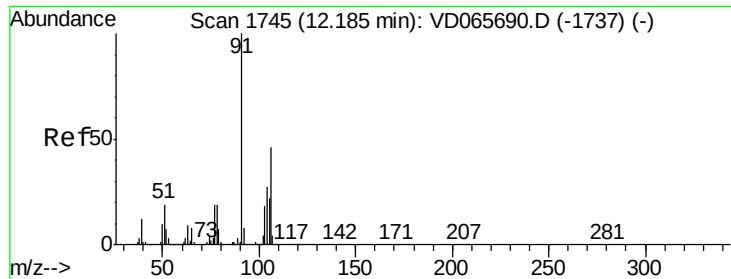
Tot Ion: 91 Resp: 237136
Ion Ratio Lower Upper
91 100
106 30.3 25.2 37.8



#68
m/p-Xylenes
Concen: 20.795 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion: 106 Resp: 181537
Ion Ratio Lower Upper
106 100
91 203.8 162.2 243.2

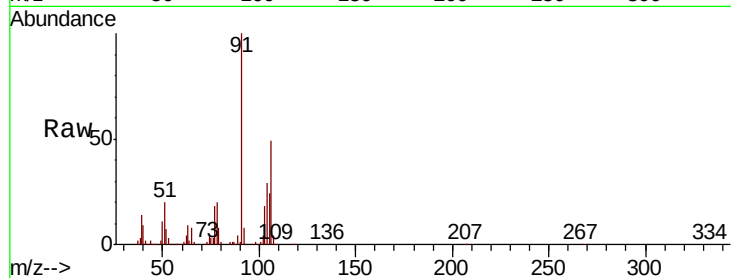




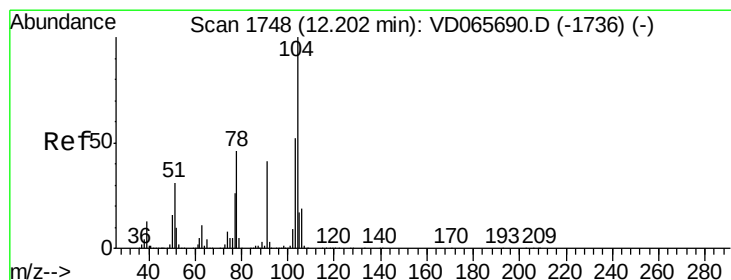
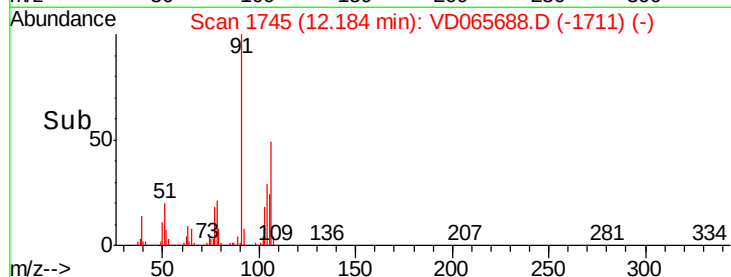
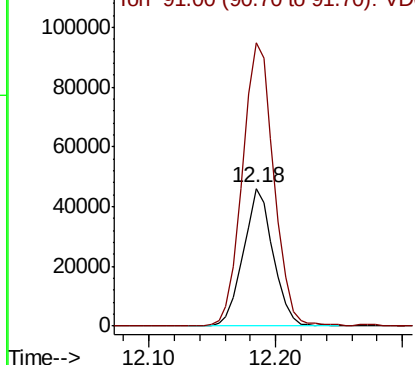
#69
o-Xylene
Concen: 9.503 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 74982
Ion Ratio Lower Upper
106 100
91 205.7 109.7 329.0

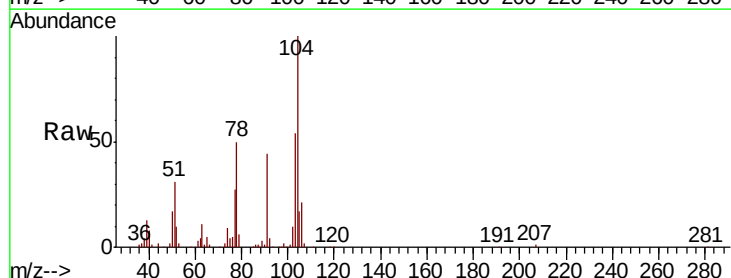


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

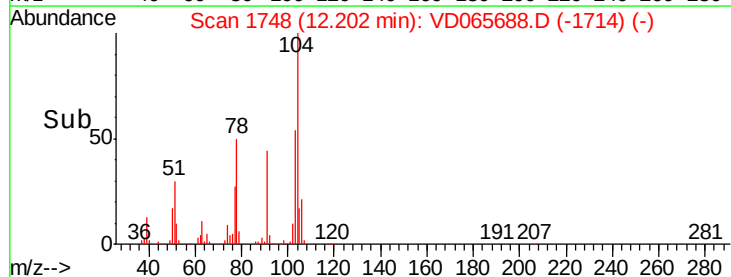
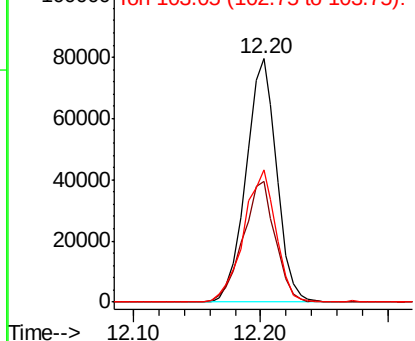


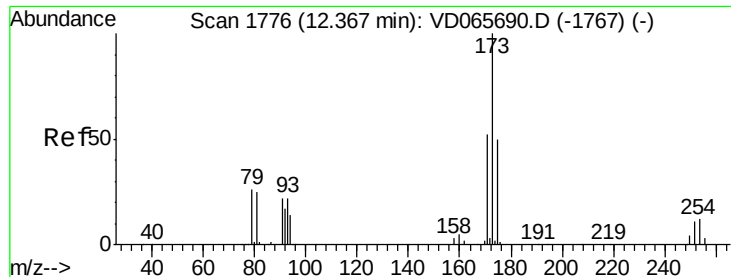
#70
Styrene
Concen: 9.747 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion:104 Resp: 133921
Ion Ratio Lower Upper
104 100
78 49.8 36.4 54.6
103 54.1 41.7 62.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 10.012 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

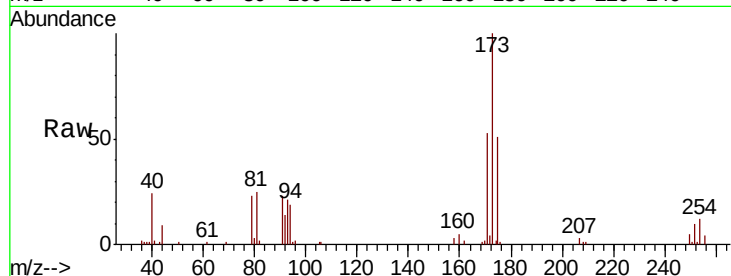
Tot Ion:173 Resp: 33961

Ion Ratio Lower Upper

173 100

175 50.9 24.9 74.8

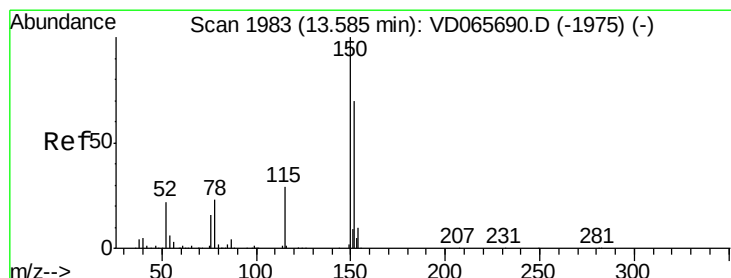
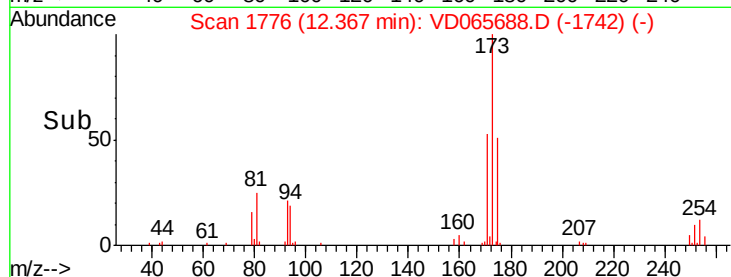
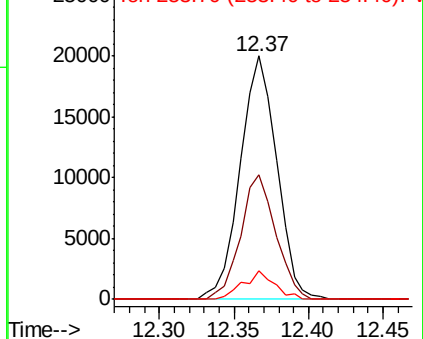
254 11.6 9.4 14.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

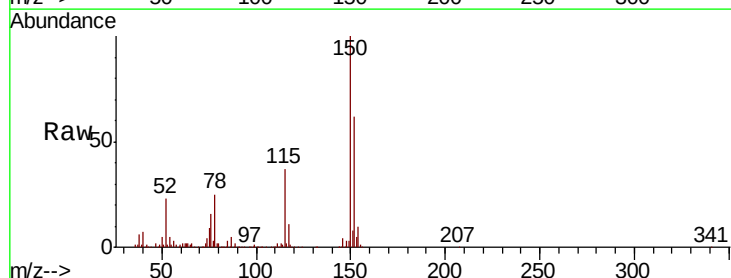
Tgt Ion:152 Resp: 382869

Ion Ratio Lower Upper

152 100

115 59.8 26.8 80.3

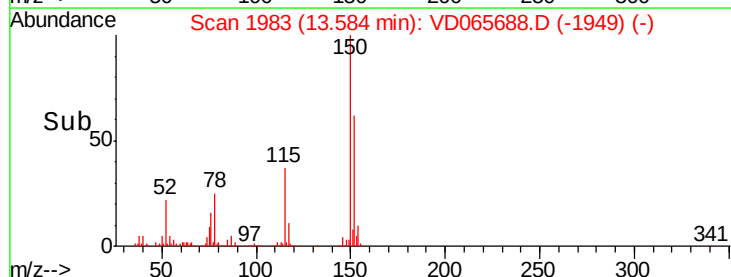
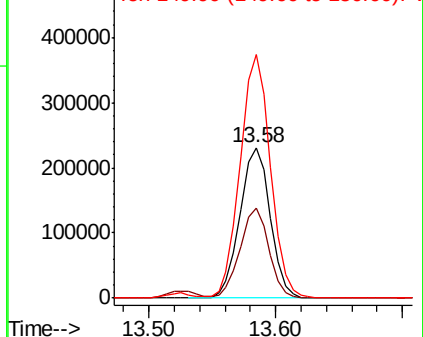
150 161.6 0.0 301.2

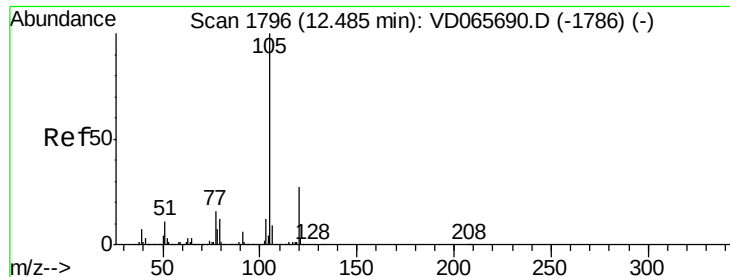


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 8.178 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

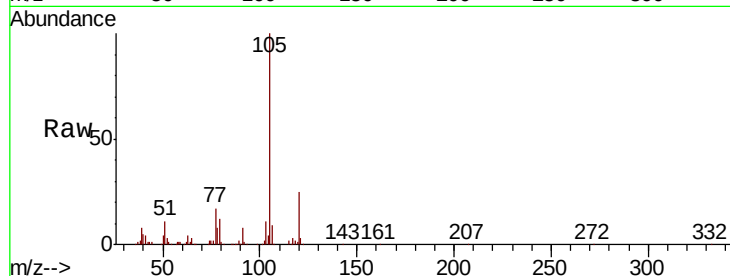
ClientSampleId :

Tot Ion:105 Resp: 208603

Ion Ratio Lower Upper

105 100

120 24.6 13.4 40.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.48

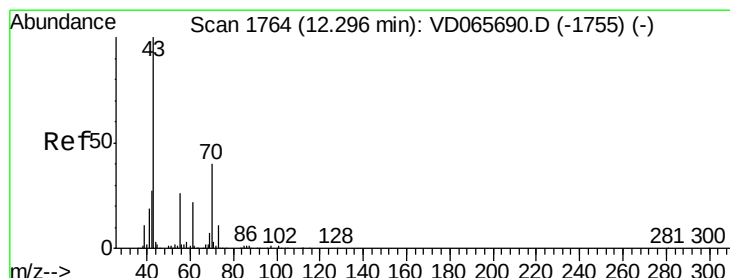
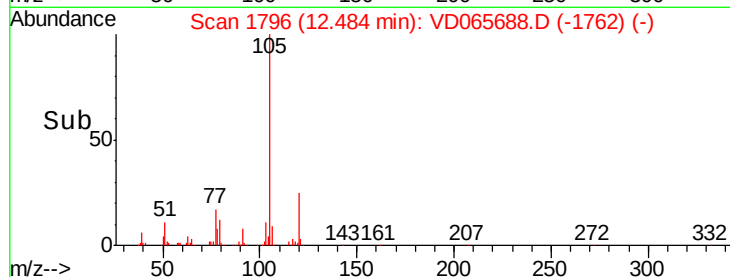
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 7.578 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Tgt Ion: 43 Resp: 48806

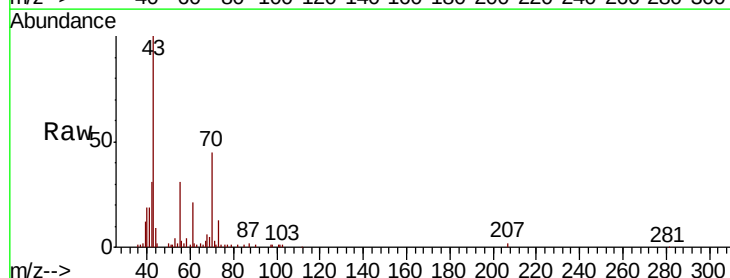
Ion Ratio Lower Upper

43 100

70 45.4 32.0 48.0

55 31.1 20.4 30.6

61 21.2 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

40000

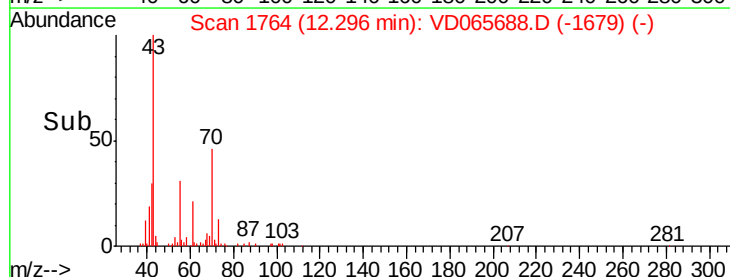
30000

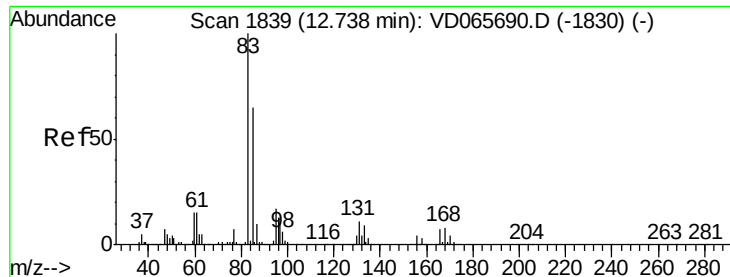
20000

10000

0

Time--> 12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 9.137 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

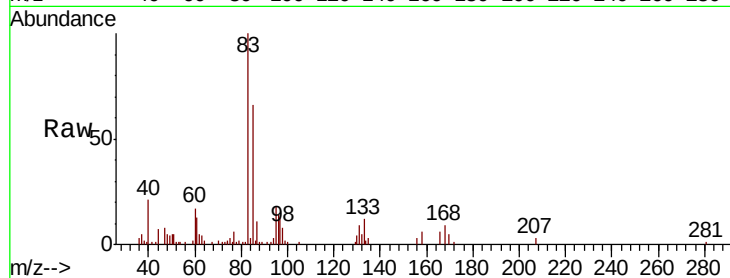
Tot Ion: 83 Resp: 44651

Ion Ratio Lower Upper

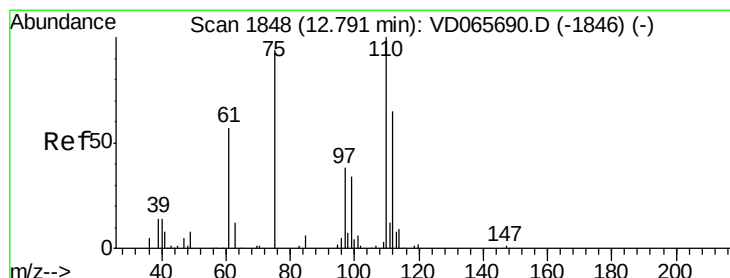
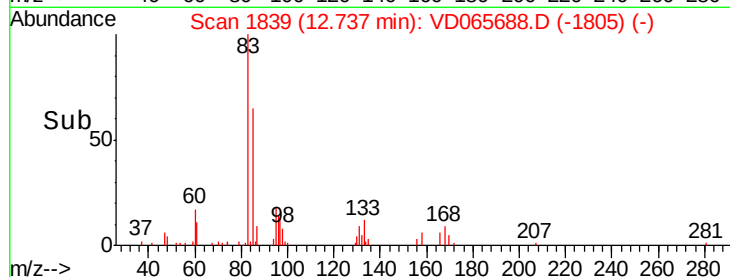
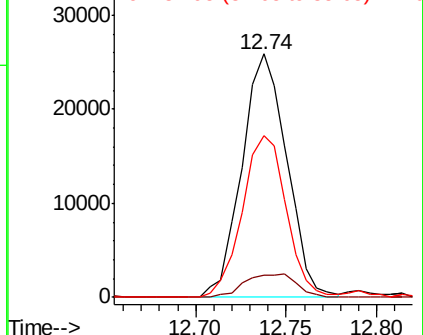
83 100

131 9.0 5.5 16.5

85 66.5 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 13.032 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065688.D

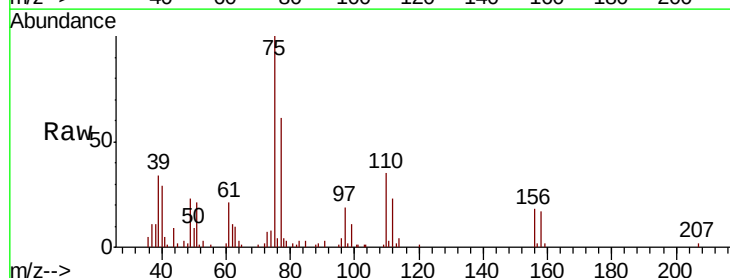
Acq: 01 May 2020 18:19

Tgt Ion: 75 Resp: 58921

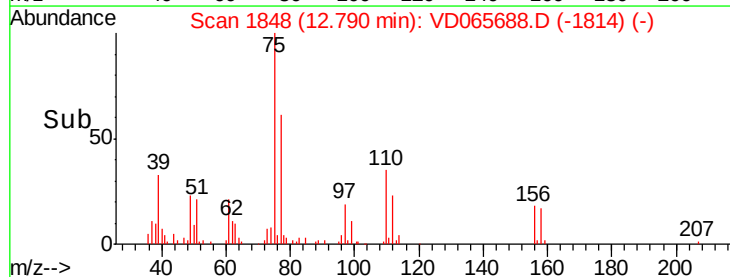
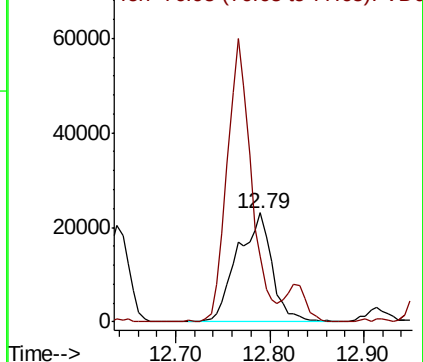
Ion Ratio Lower Upper

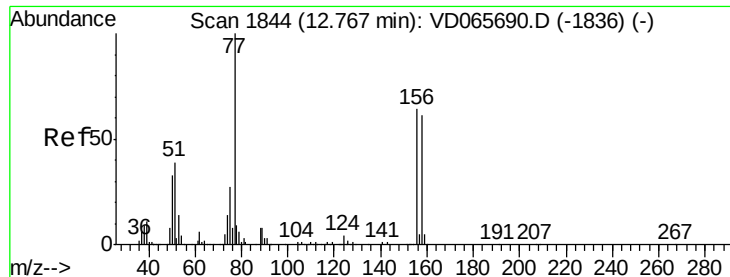
75 100

77 60.9 28.7 86.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 8.325 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

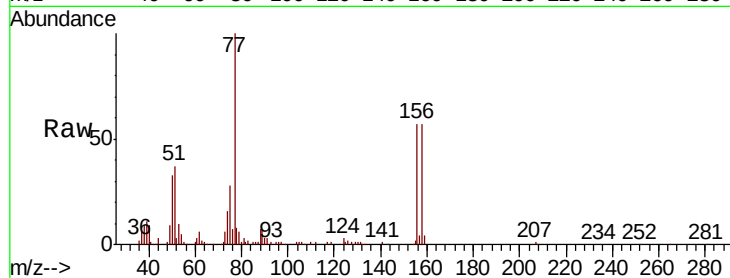
Tot Ion:156 Resp: 59814

Ion Ratio Lower Upper

156 100

77 175.8 78.4 235.2

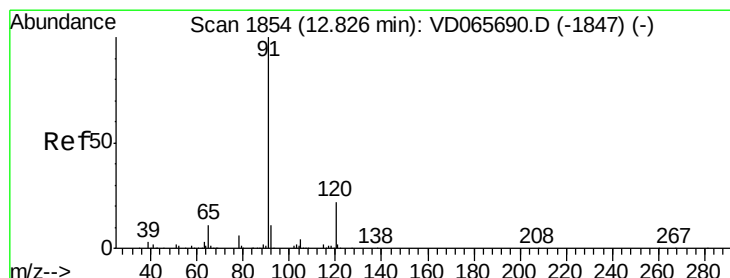
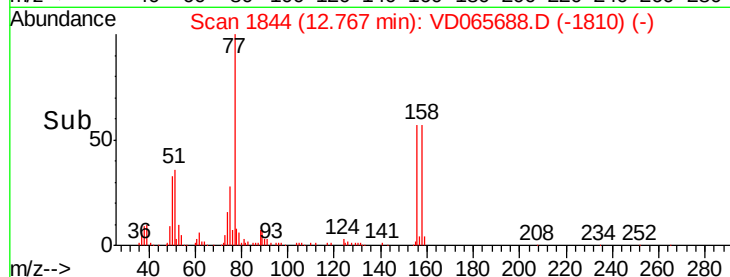
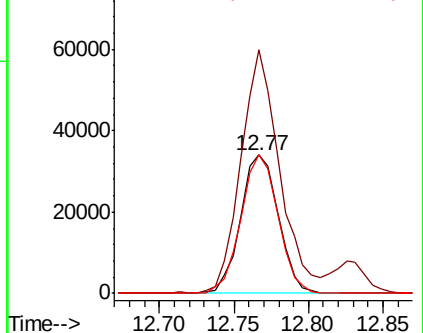
158 100.5 47.6 142.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 8.889 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065688.D

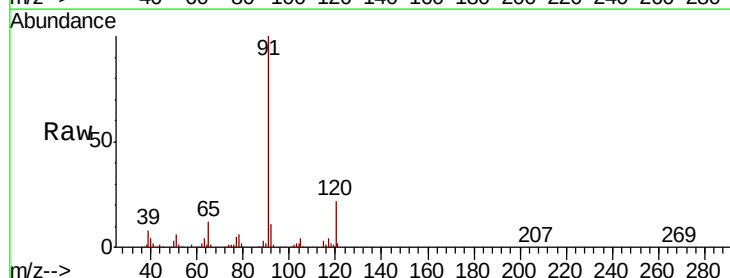
Acq: 01 May 2020 18:19

Tgt Ion: 91 Resp: 263145

Ion Ratio Lower Upper

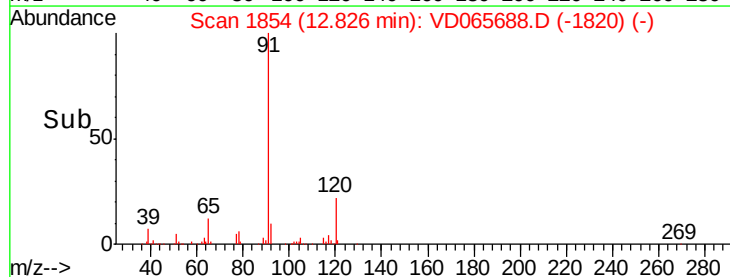
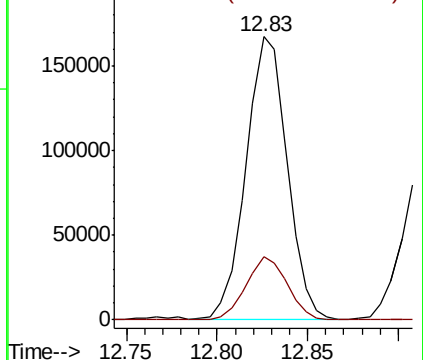
91 100

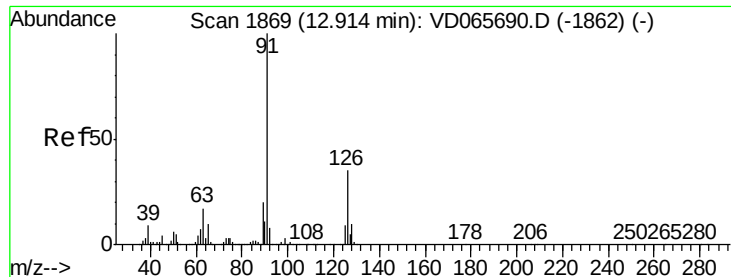
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

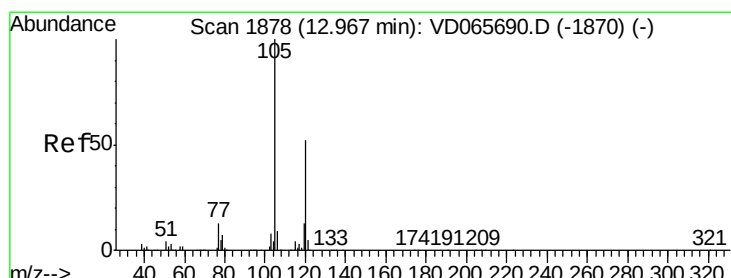
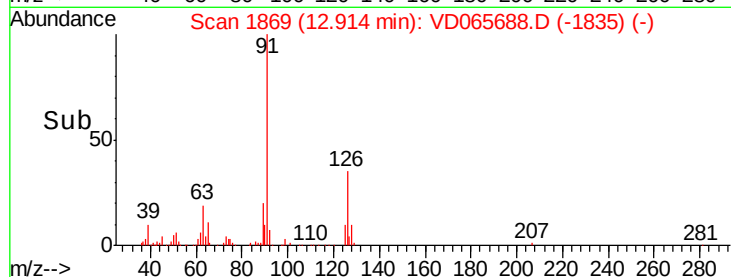
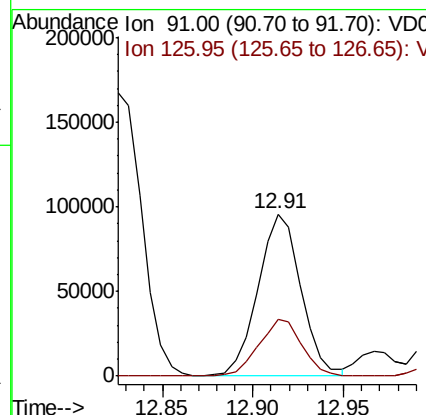
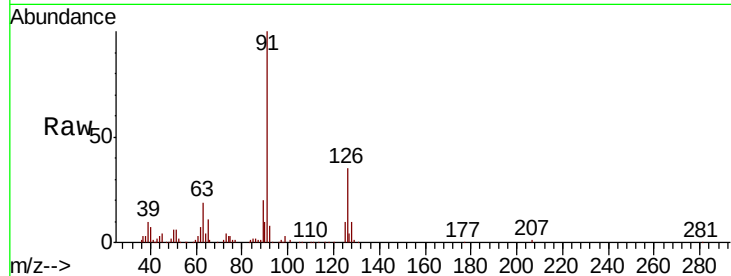




#79
2-Chlorotoluene
Concen: 8.924 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

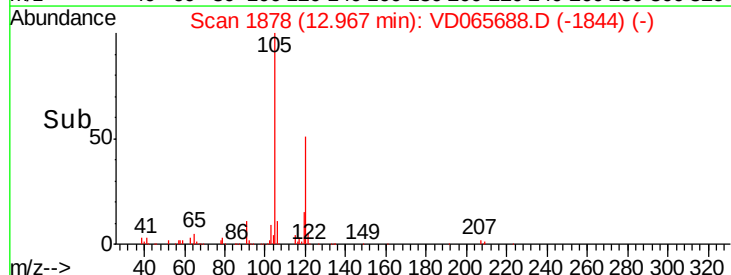
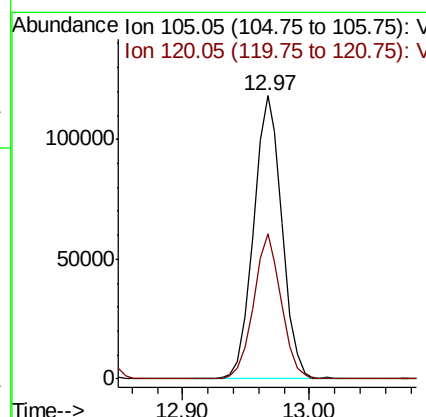
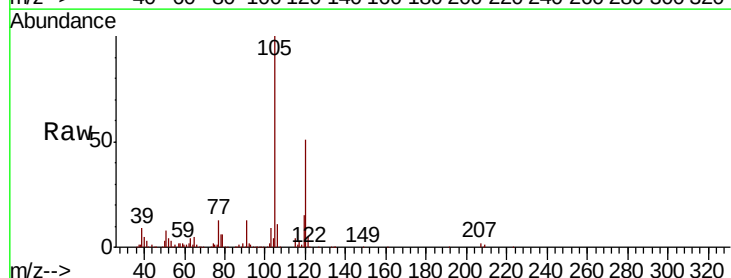
Instrument :
MSVOA_D
ClientSampleId :

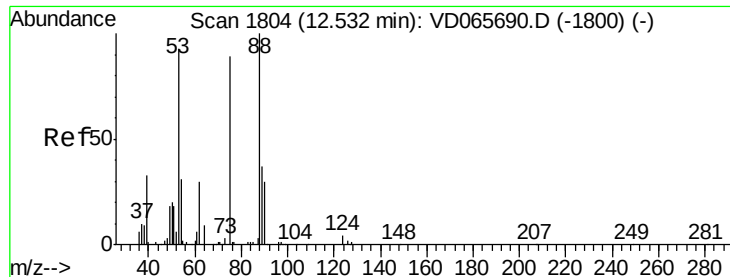
Tot Ion: 91 Resp: 157284
Ion Ratio Lower Upper
91 100
126 35.0 17.6 52.9



#80
1,3,5-Trimethylbenzene
Concen: 8.970 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion:105 Resp: 184656
Ion Ratio Lower Upper
105 100
120 51.2 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 8.703 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampled :

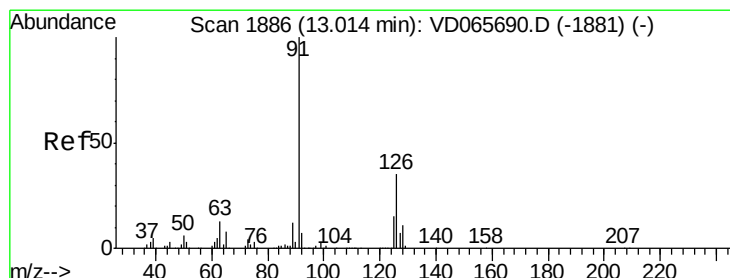
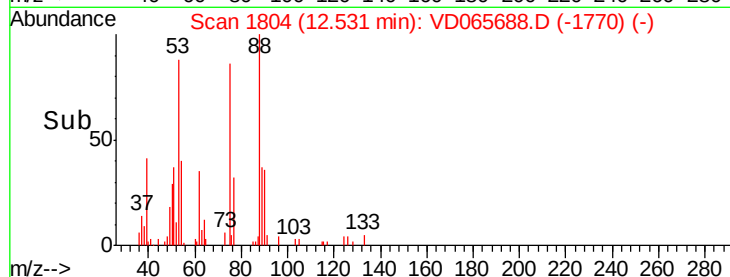
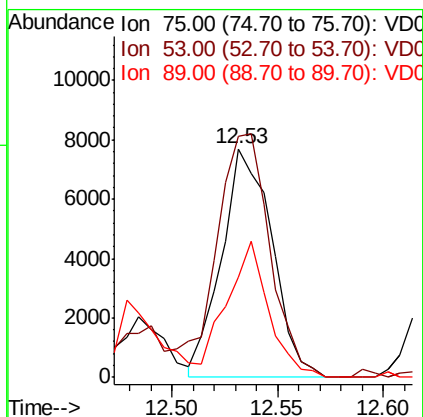
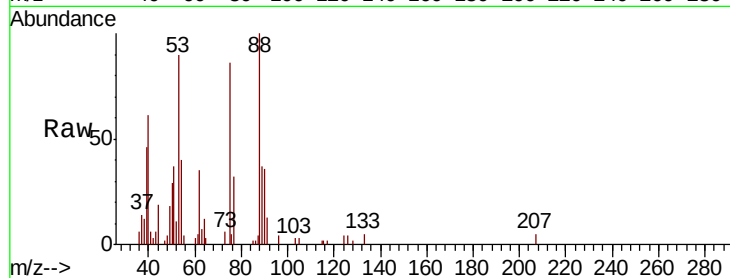
Tot Ion: 75 Resp: 12747

Ion Ratio Lower Upper

75 100

53 105.2 84.0 126.0

89 43.7 35.5 53.3



#82

4-Chlorotoluene

Concen: 8.774 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065688.D

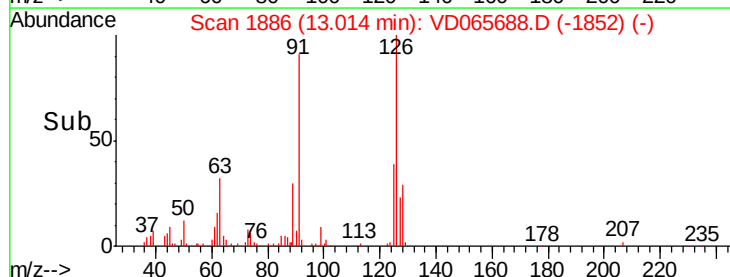
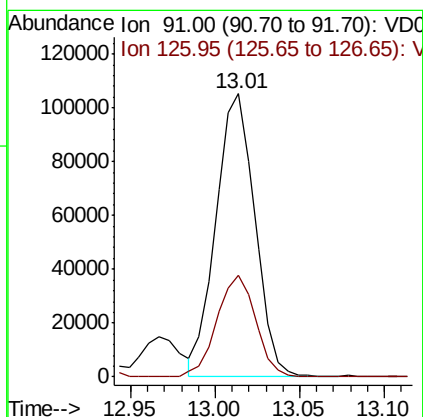
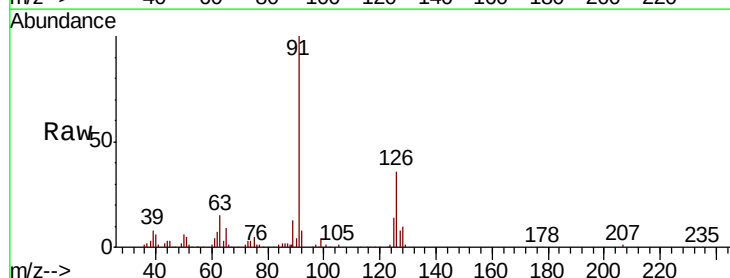
Acq: 01 May 2020 18:19

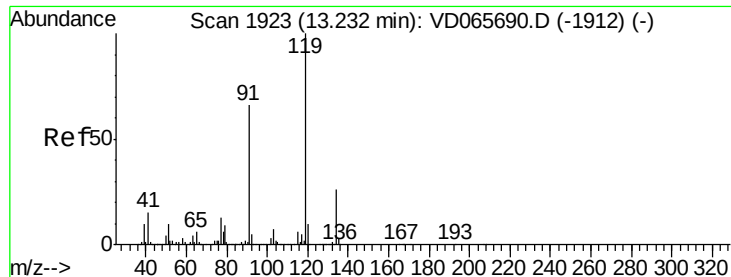
Tgt Ion: 91 Resp: 169228

Ion Ratio Lower Upper

91 100

126 35.9 16.9 50.7





#83

tert-Butylbenzene

Concen: 6.704 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampled :

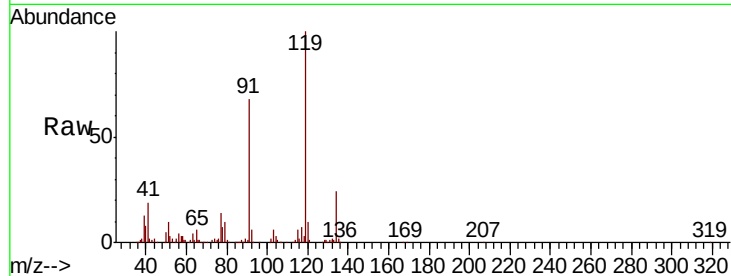
Tot Ion:119 Resp: 150956

Ion Ratio Lower Upper

119 100

91 67.9 32.9 98.7

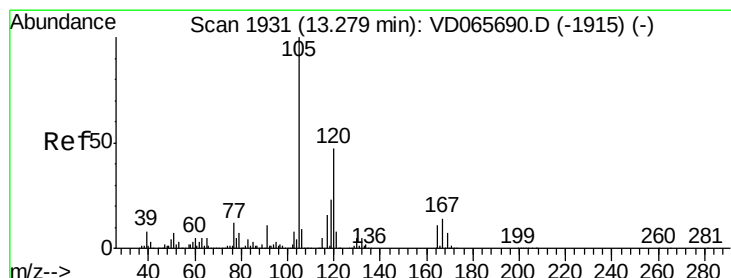
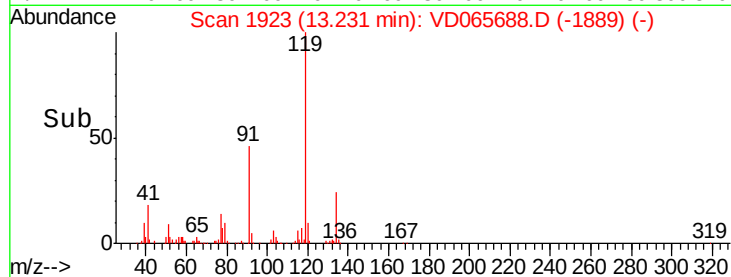
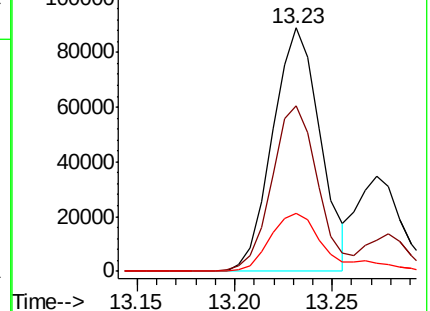
134 24.0 12.9 38.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.227 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065688.D

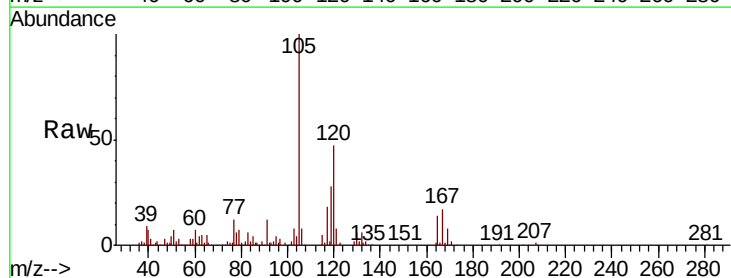
Acq: 01 May 2020 18:19

Tgt Ion:105 Resp: 179606

Ion Ratio Lower Upper

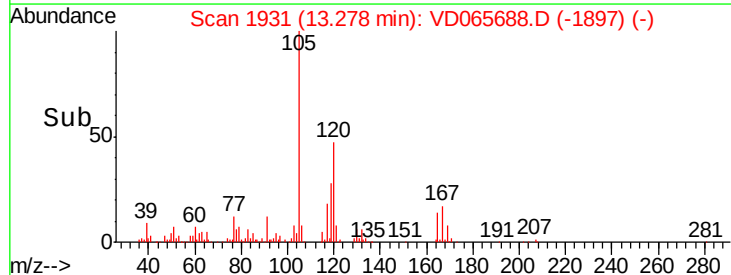
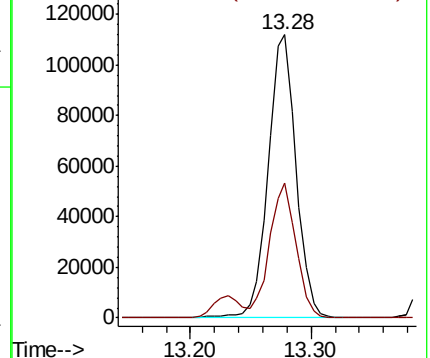
105 100

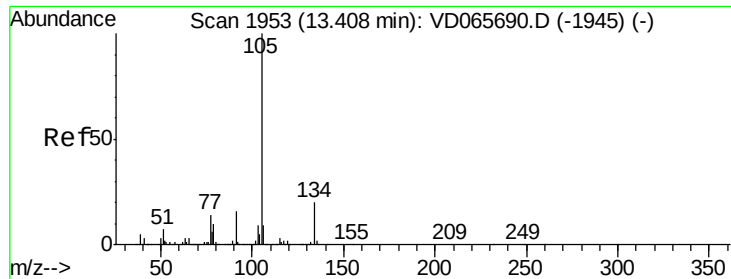
120 47.4 23.3 69.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

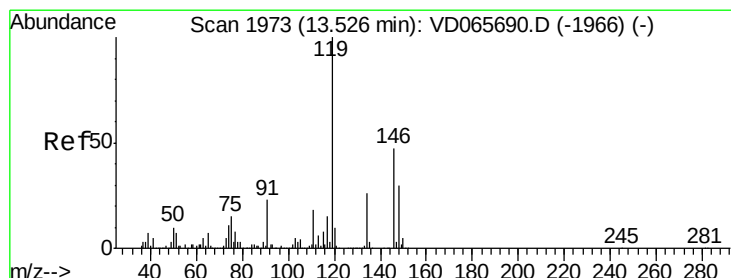
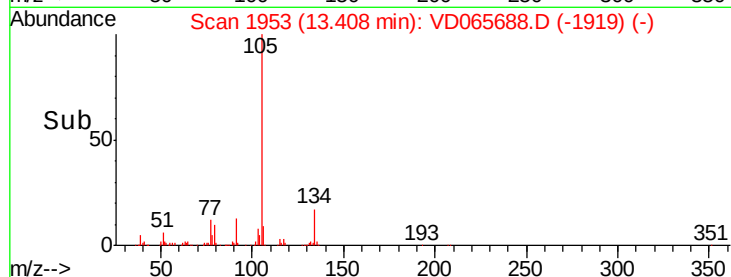
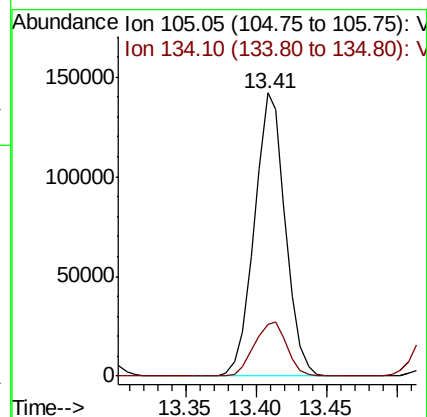
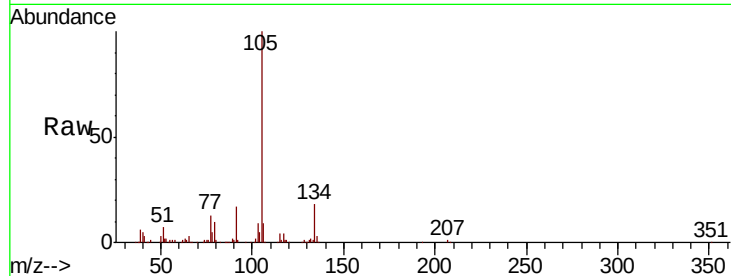




#85
 sec-Butylbenzene
 Concen: 8.610 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

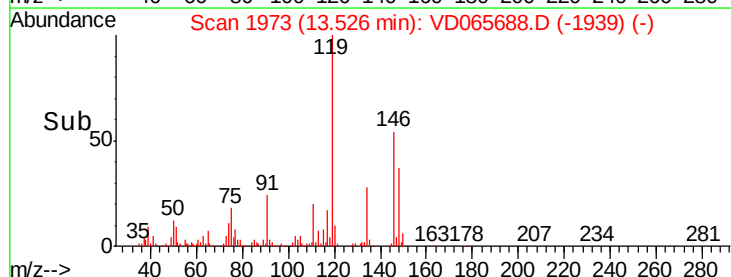
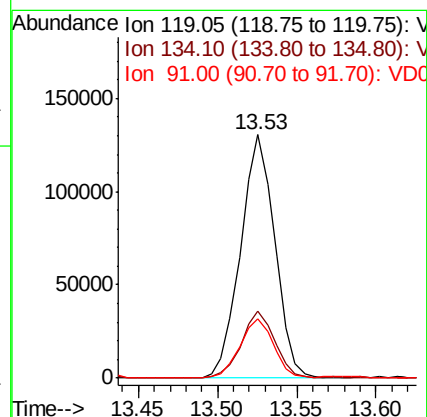
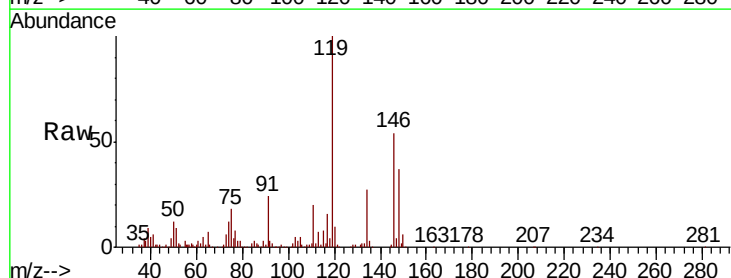
Instrument :
 MSVOA_D
 ClientSampleId :

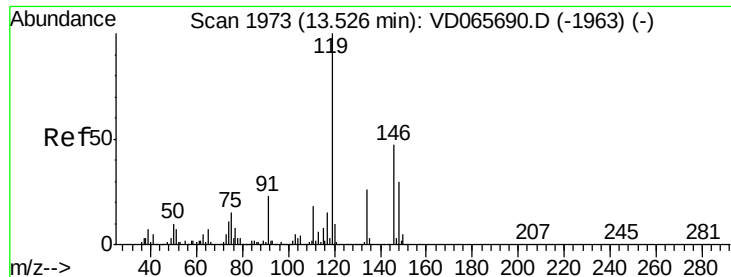
Tot Ion:105 Resp: 218359
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 8.638 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion:119 Resp: 195957
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.1 39.3
 91 24.3 11.7 35.1

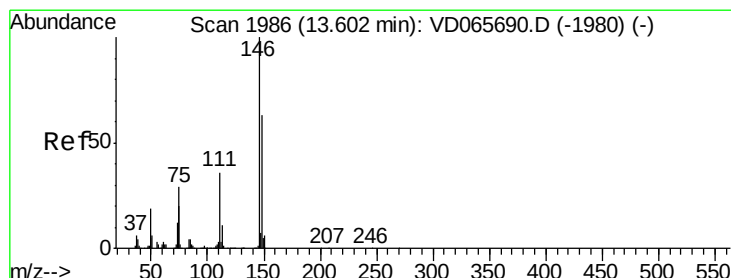
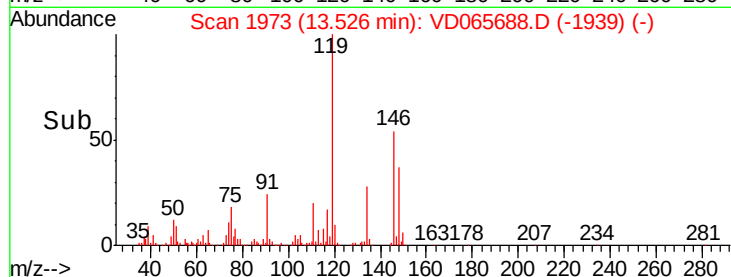
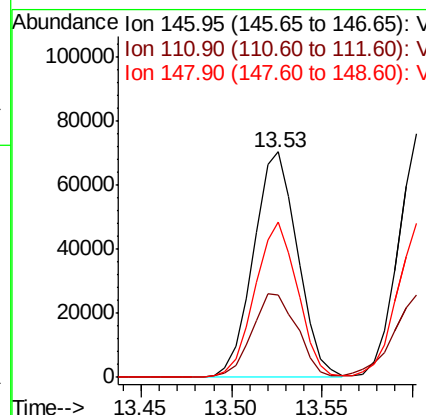
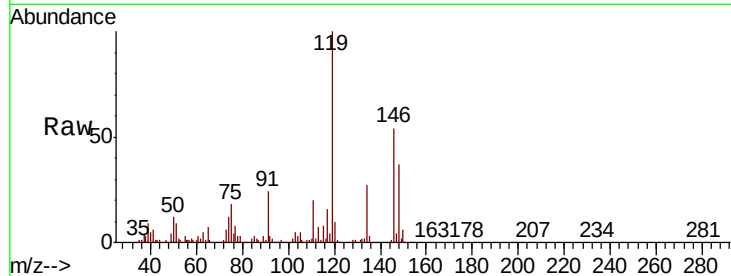




#87
 1,3-Dichlorobenzene
 Concen: 9.320 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

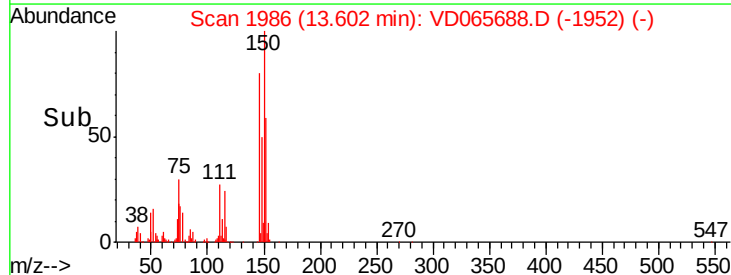
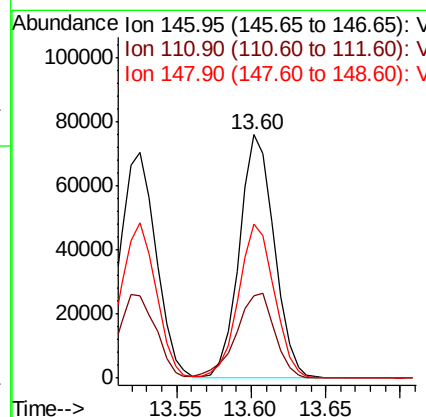
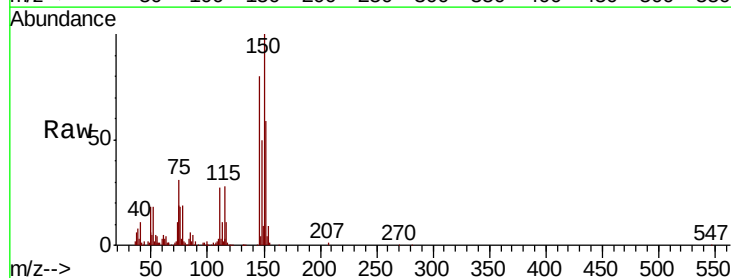
Instrument :
 MSVOA_D
 ClientSampled :

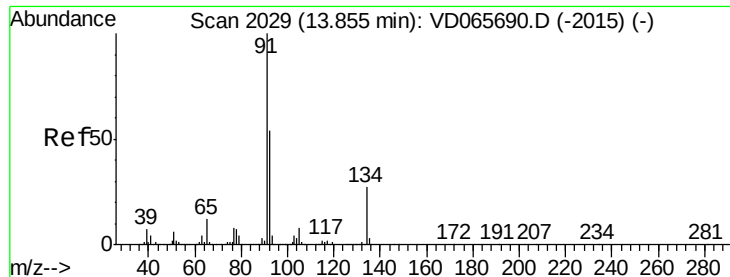
Tot Ion:146 Resp: 118604
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.4 58.2
 148 68.9 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 10.361 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion:146 Resp: 123417
 Ion Ratio Lower Upper
 146 100
 111 34.0 18.3 54.9
 148 63.0 31.6 94.8

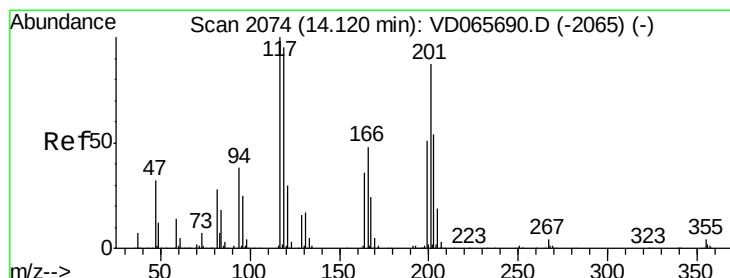
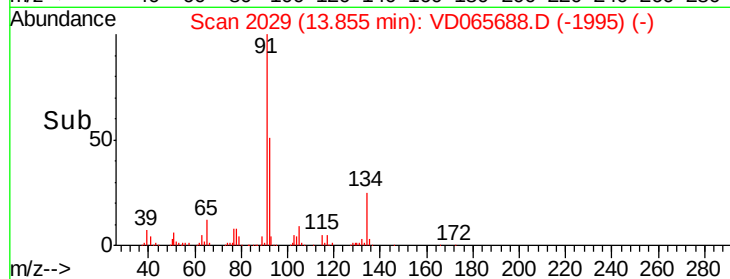
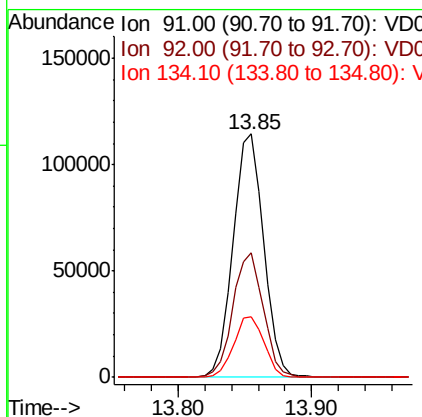
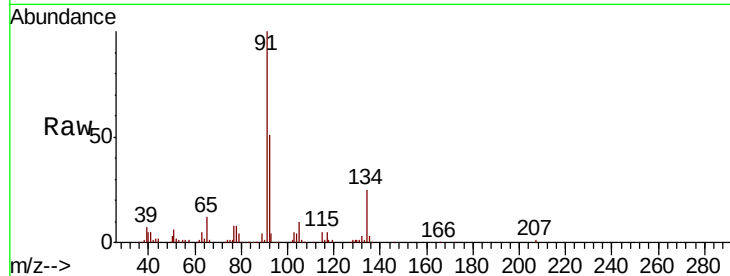




#89
n-Butylbenzene
Concen: 8.862 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

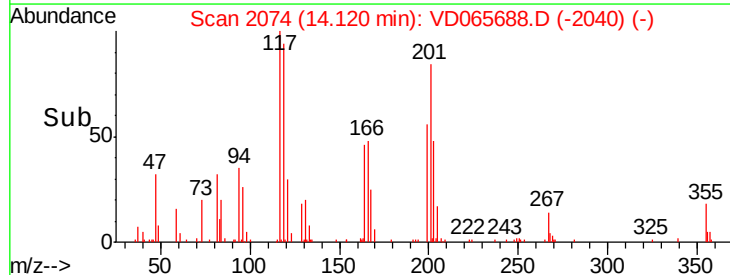
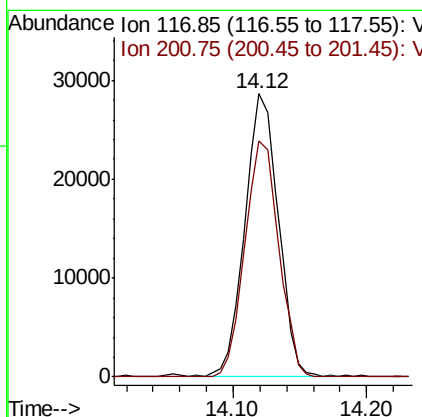
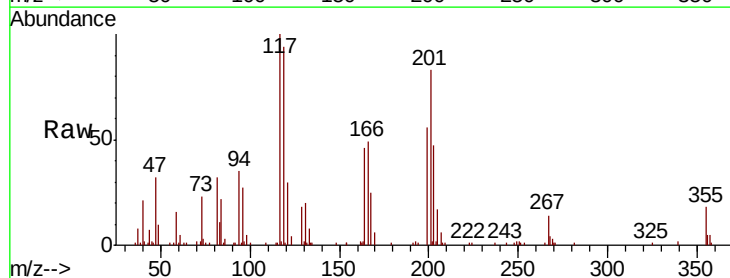
Instrument :
MSVOA_D
ClientSampleId :

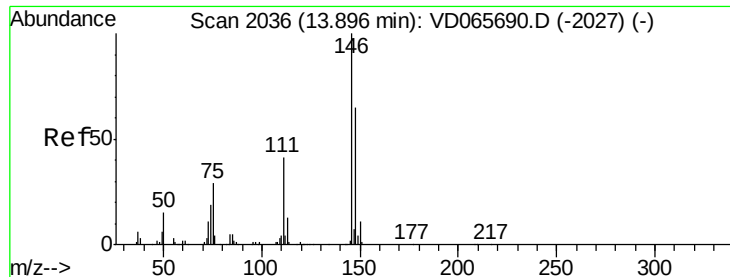
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	27.0	81.0
134	25.1	13.5	40.5



#90
Hexachloroethane
Concen: 8.411 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065688.D
Acq: 01 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	43.7	131.1

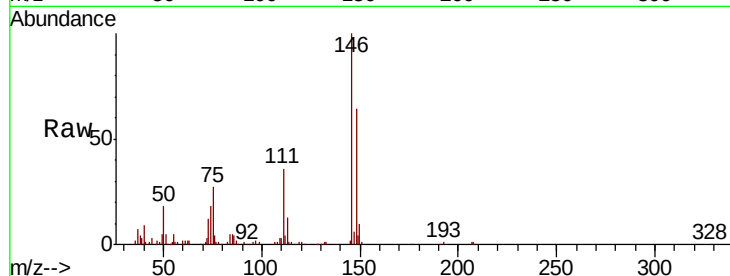




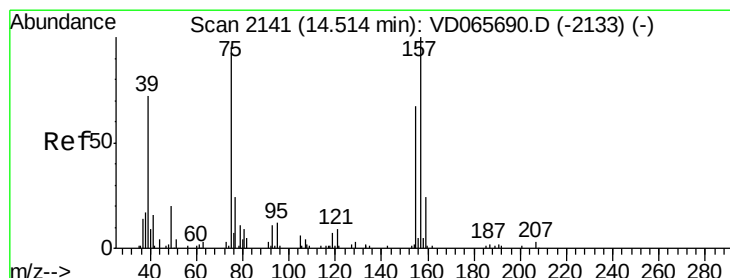
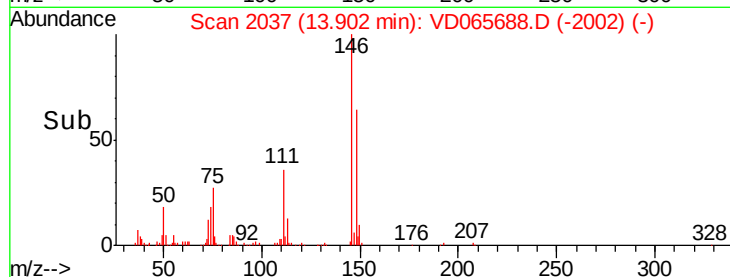
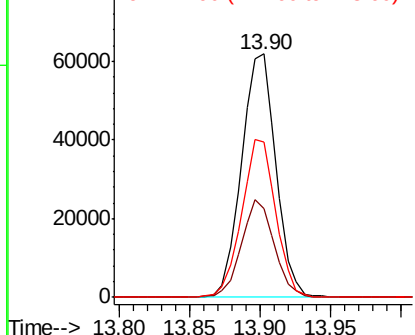
#91
 1,2-Dichlorobenzene
 Concen: 9.935 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	20.3	60.8
148	63.7	32.5	97.4

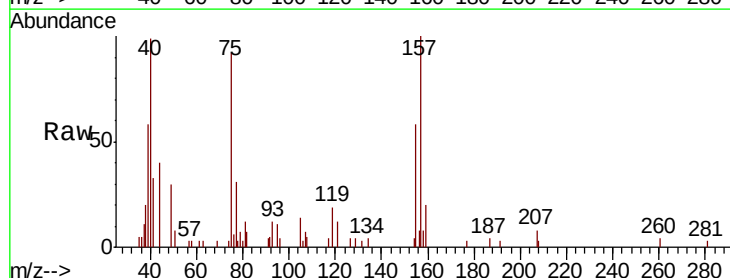


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

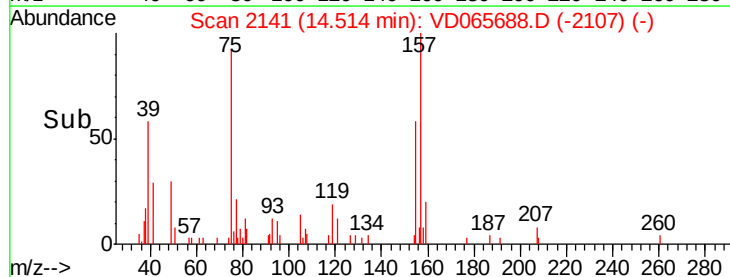
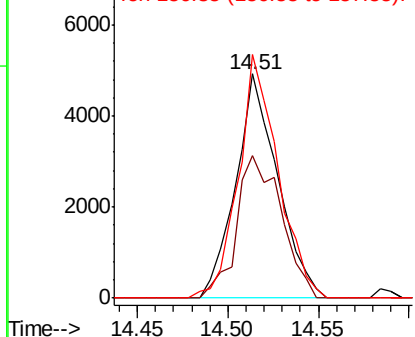


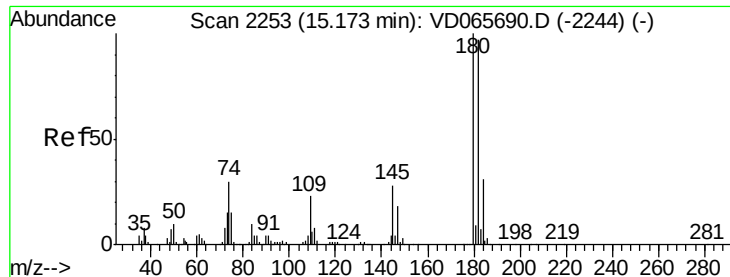
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.703 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.5	35.4	106.3
157	108.6	52.6	157.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

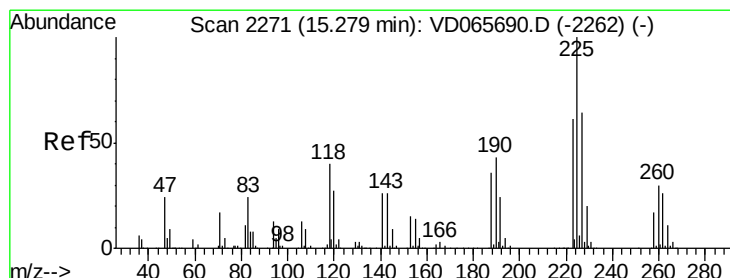
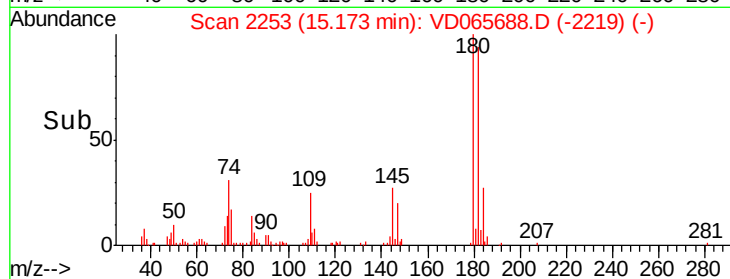
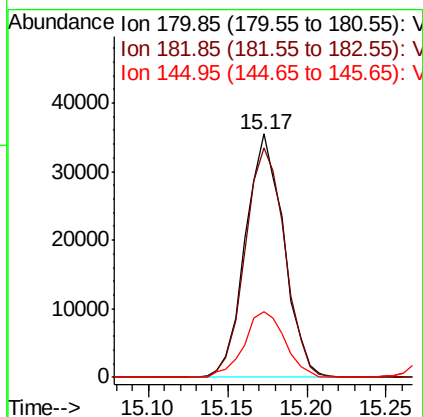
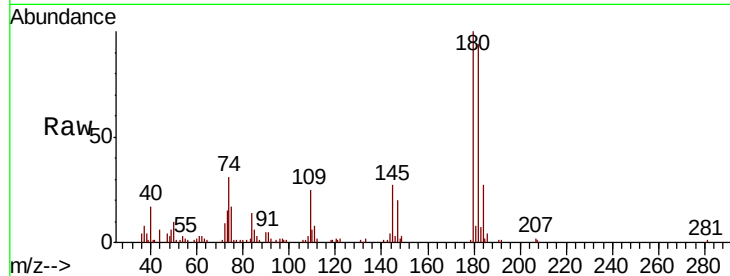




#93
 1,2,4-Trichlorobenzene
 Concen: 10.206 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

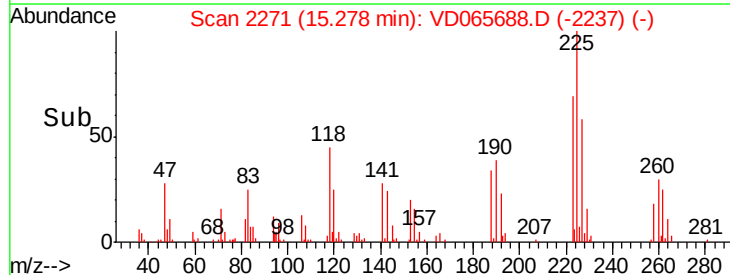
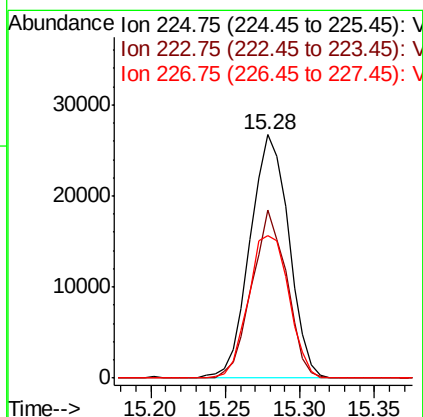
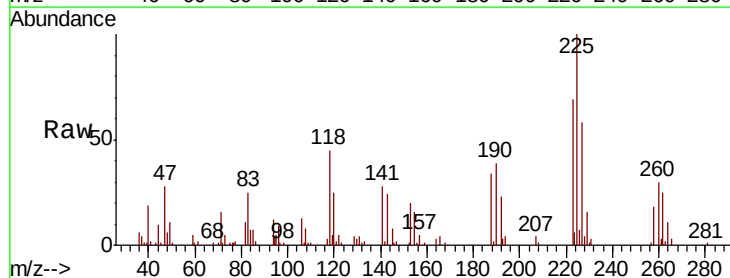
Instrument :
 MSVOA_D
 ClientSampleId :

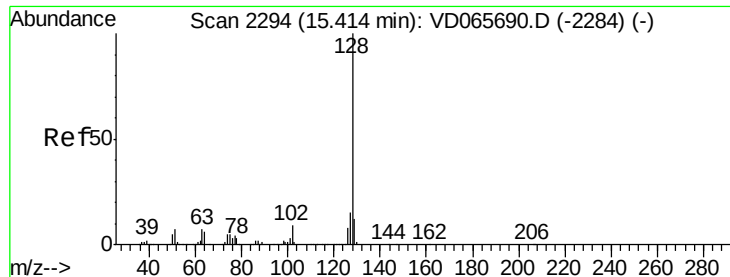
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.5	145.5
145	27.2	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 11.318 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065688.D
 Acq: 01 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.3	30.4	91.3
227	58.3	32.0	96.0





#95

Naphthalene

Concen: 8.815 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

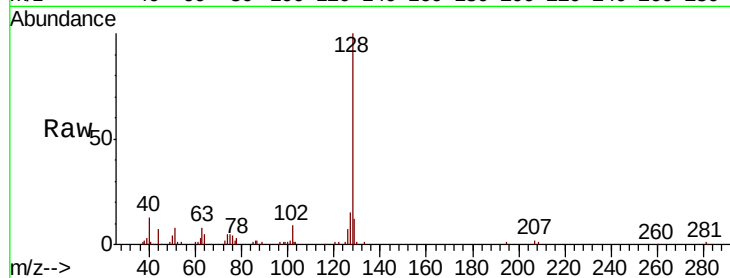
Tot Ion:128 Resp: 83481

Ion Ratio Lower Upper

128 100

127 15.3 11.8 17.6

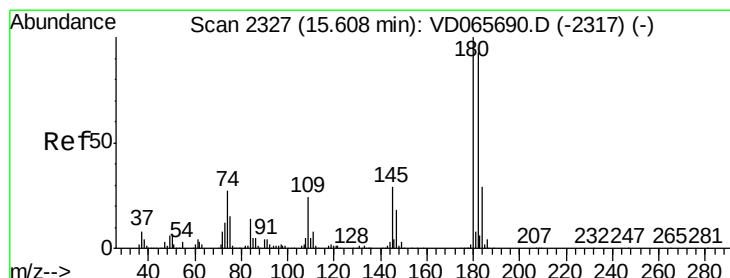
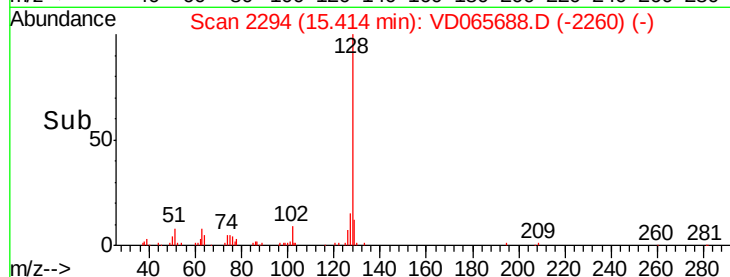
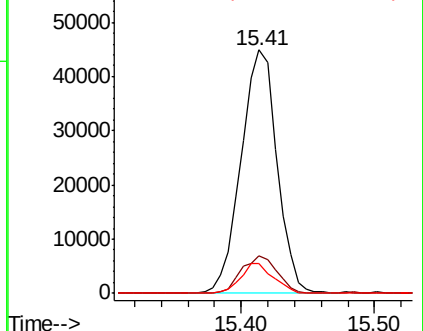
129 12.2 9.6 14.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 14.575 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065688.D

Acq: 01 May 2020 18:19

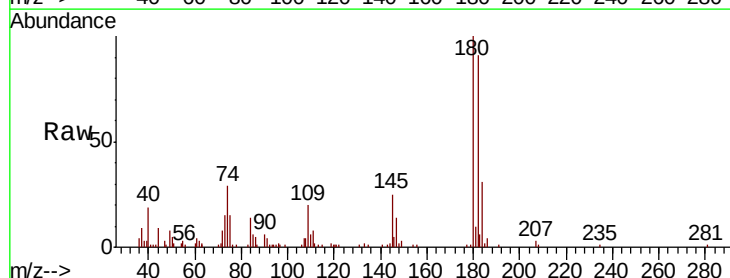
Tgt Ion:180 Resp: 53435

Ion Ratio Lower Upper

180 100

182 90.6 46.6 139.7

145 25.1 14.5 43.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

