

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065553.D
 Acq On : 27 Mar 2020 19:33
 Operator : VA/SY
 Sample : L2035-02RE
 Misc : 1.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:36:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	443239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	895418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	899382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	423221	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	294695	79.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	159.74%	
35) Dibromofluoromethane	7.92	113	306508	55.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.92%	
50) Toluene-d8	10.34	98	1120723	54.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.64	95	369372	56.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.18%	

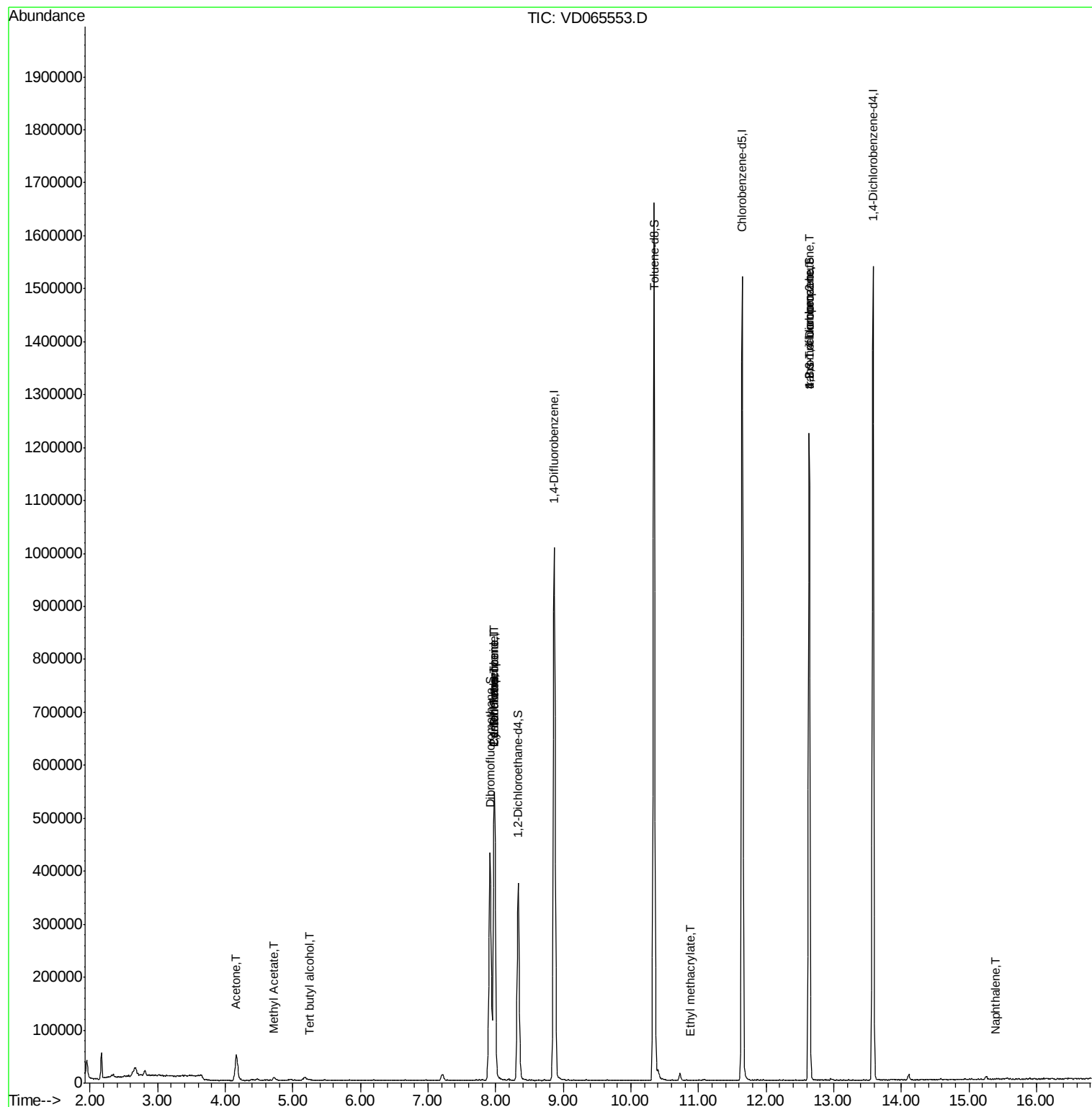
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	547	Below Cal	#	44
5) Bromomethane	2.76	94	1280	Below Cal		100
11) Tert butyl alcohol	5.24	59	1420	6.844	ug/l #	73
16) Acetone	4.16	43	86933	124.871	ug/l	93
18) Methyl Acetate	4.73	43	10885	6.013	ug/l	98
20) Methylene Chloride	4.96	84	1642	Below Cal	#	80
31) Cyclohexane	7.98	56	8605	1.241	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30455	3.723	ug/l #	48
38) Carbon Tetrachloride	7.98	117	40158	4.660	ug/l #	17
56) Ethyl methacrylate	10.88	69	54	3.302	ug/l #	47
76) 1,2,3-Trichloropropane	12.64	75	180847	55.581	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	180847	124.067	ug/l #	13
95) Naphthalene	15.41	128	865	4.383	ug/l #	79

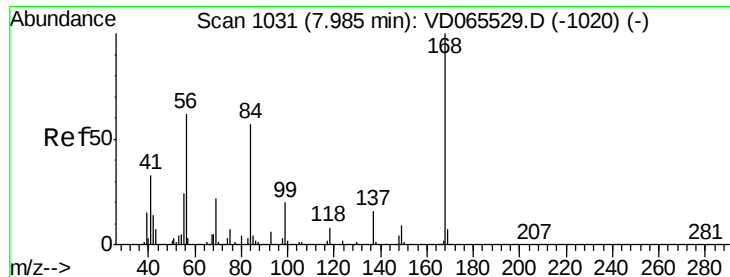
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065553.D

Acq: 27 Mar 2020 19:33

Instrument :

MSVOA_D

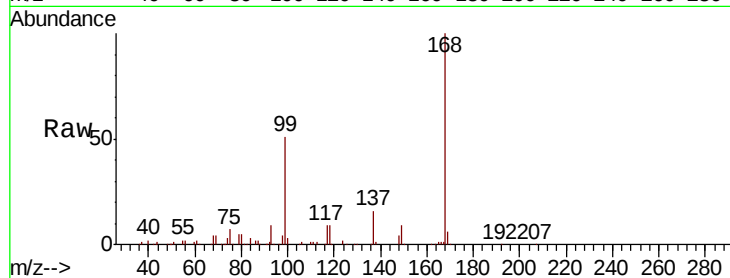
ClientSampled :

Tot Ion:168 Resp: 443239

Ion Ratio Lower Upper

168 100

99 51.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

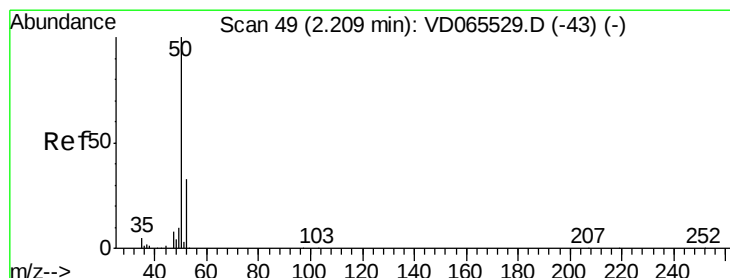
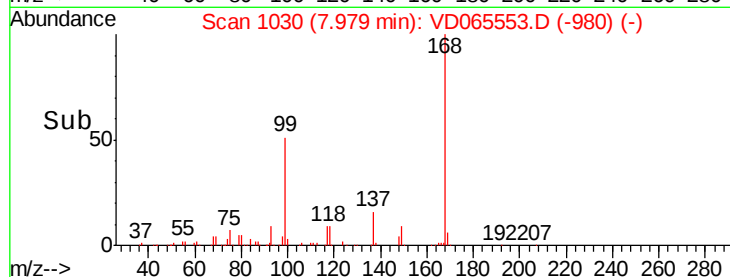
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065553.D

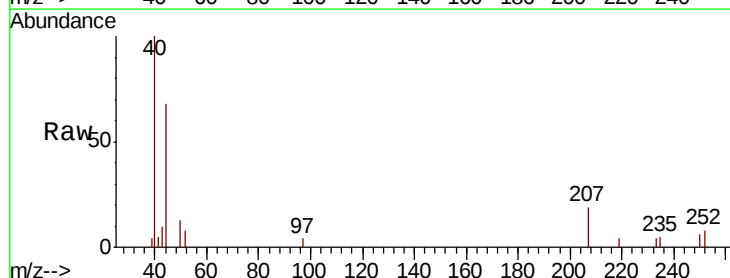
Acq: 27 Mar 2020 19:33

Tgt Ion: 50 Resp: 547

Ion Ratio Lower Upper

50 100

52 64.3 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

600

500

400

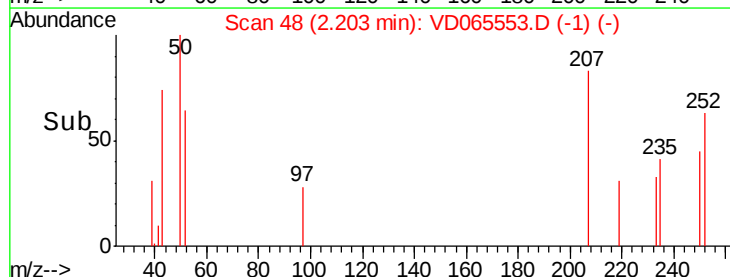
300

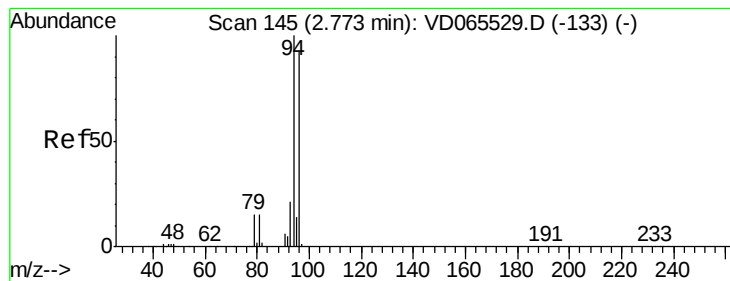
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065553.D

Acq: 27 Mar 2020 19:33

Instrument :

MSVOA_D

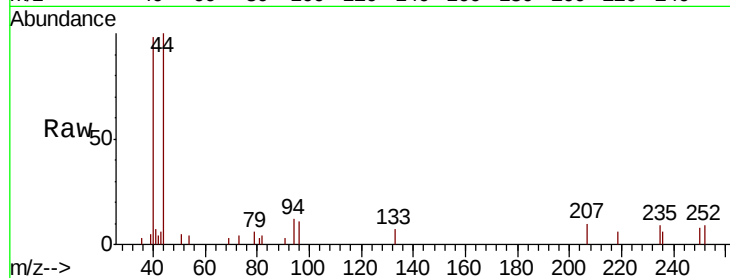
ClientSampleId :

Tot Ion: 94 Resp: 1280

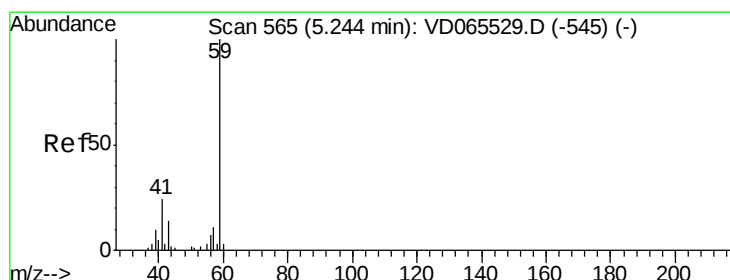
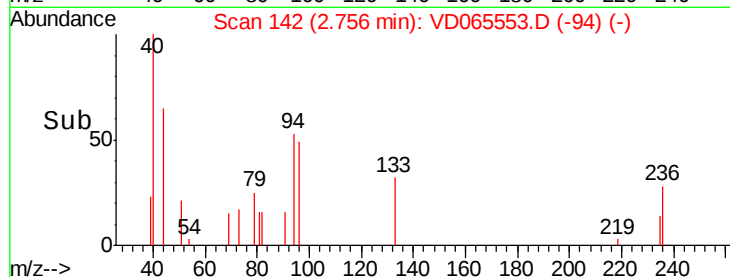
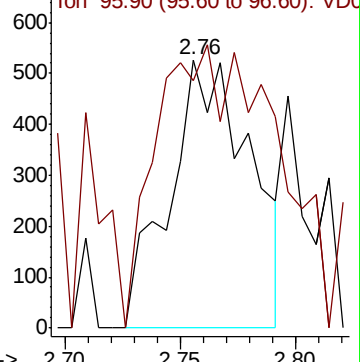
Ion Ratio Lower Upper

94 100

96 92.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: 6.844 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD065553.D

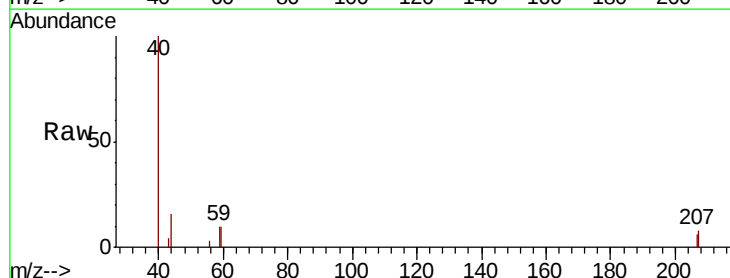
Acq: 27 Mar 2020 19:33

Tgt Ion: 59 Resp: 1420

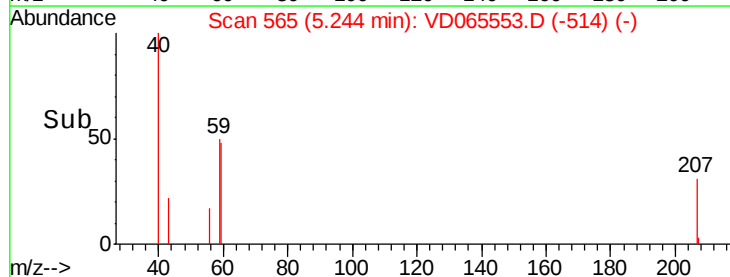
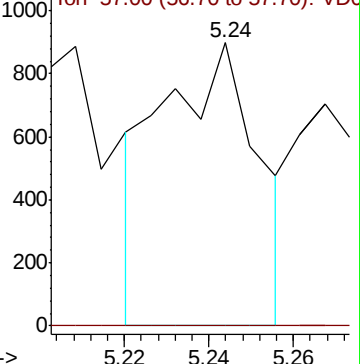
Ion Ratio Lower Upper

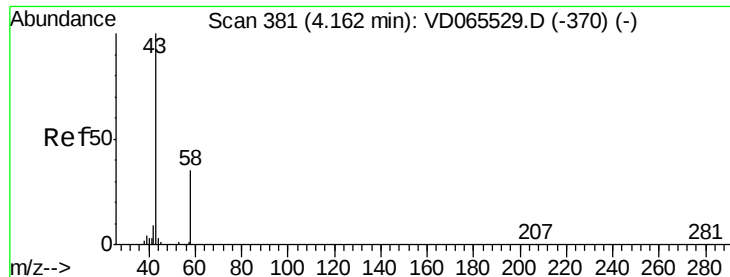
59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

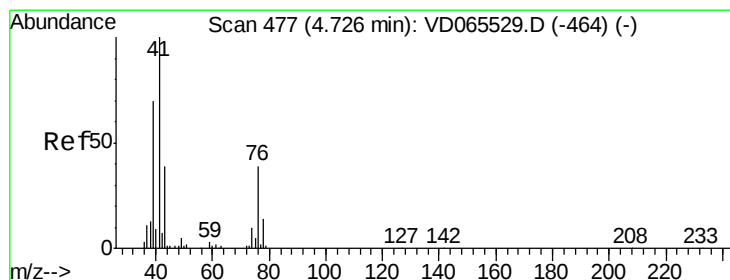
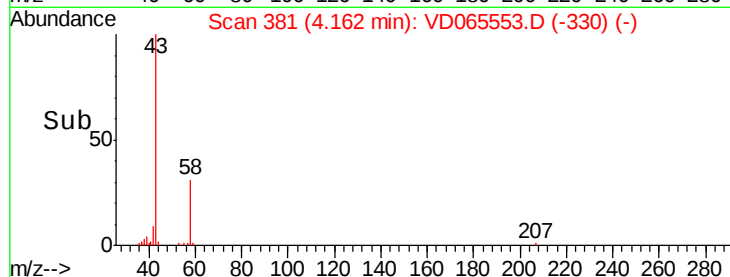
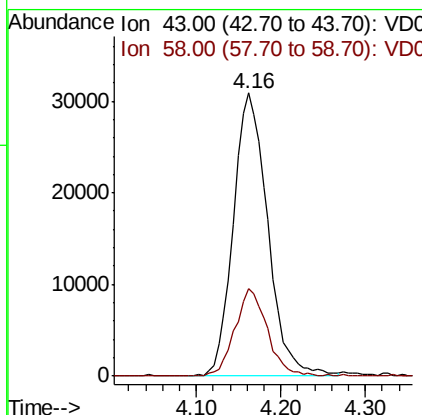
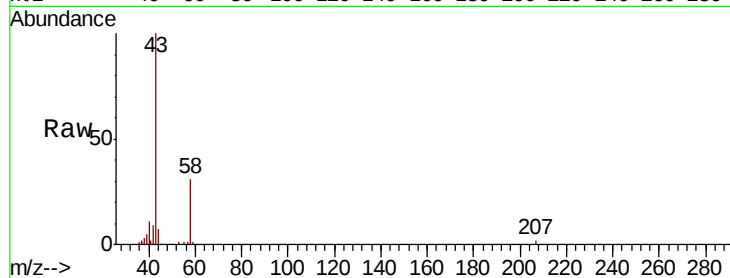




#16
Acetone
Concen: 124.871 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.00 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

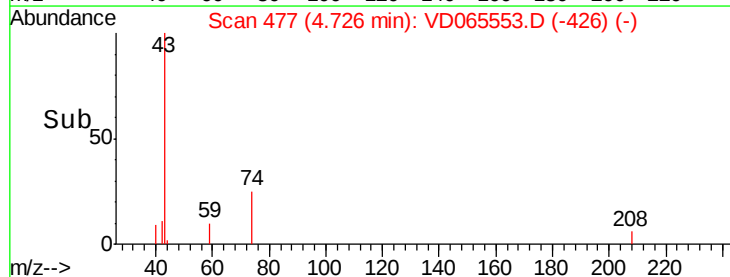
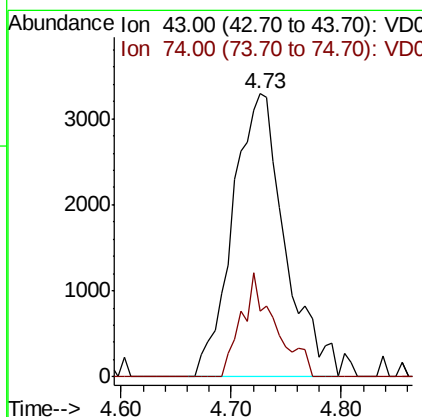
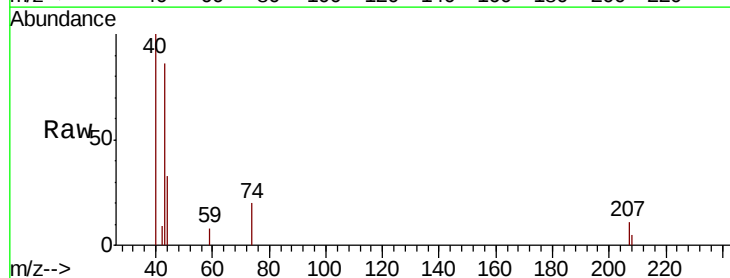
Instrument :
MSVOA_D
ClientSampleId :

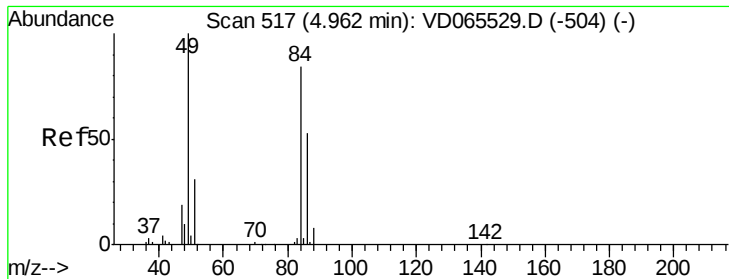
Tot Ion: 43 Resp: 86933
Ion Ratio Lower Upper
43 100
58 30.9 27.9 41.9



#18
Methyl Acetate
Concen: 6.013 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

Tgt Ion: 43 Resp: 10885
Ion Ratio Lower Upper
43 100
74 23.9 20.1 30.1

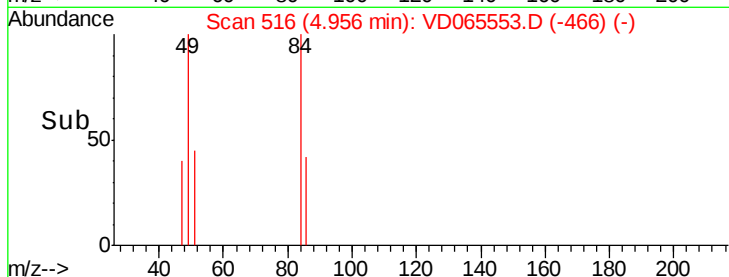
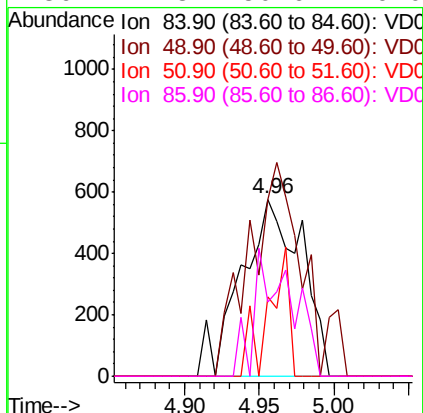
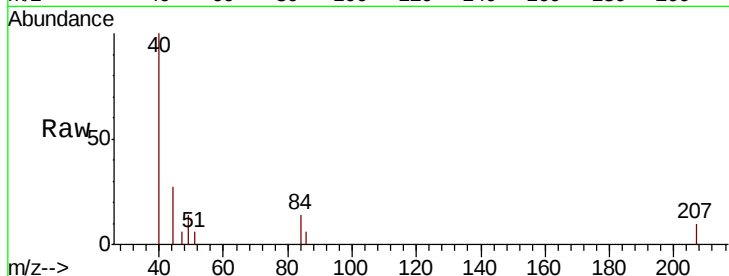




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

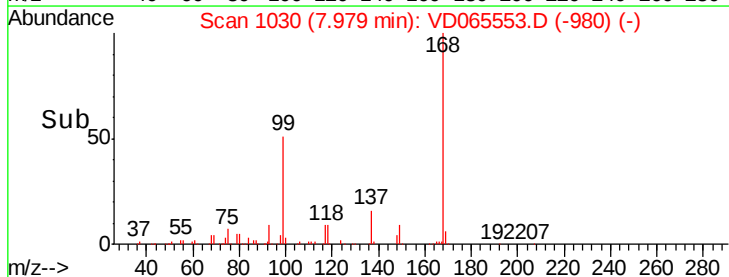
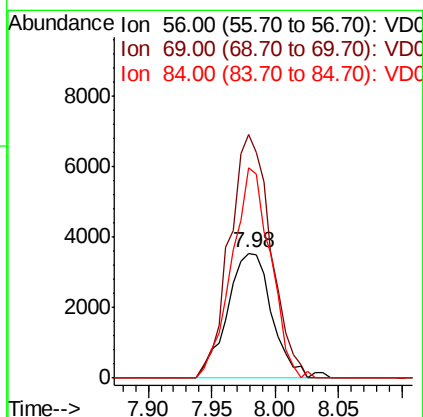
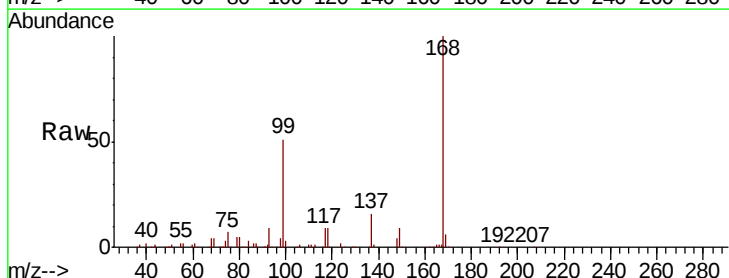
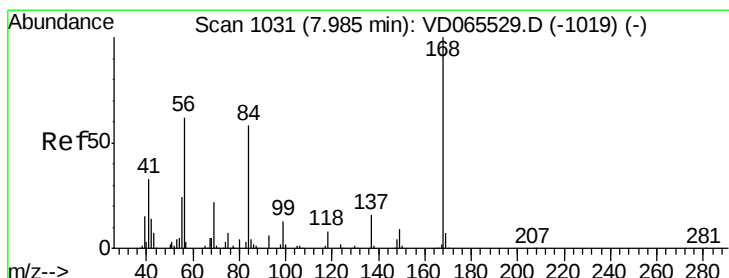
Instrument :
MSVOA_D
ClientSampleId :

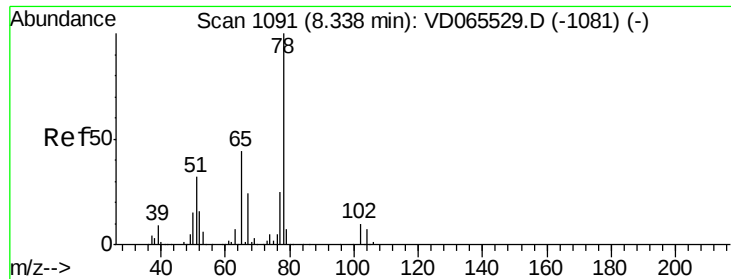
Tot Ion: 84 Resp: 1642
Ion Ratio Lower Upper
84 100
49 99.8 95.6 143.4
51 45.1 29.4 44.2#
86 41.8 50.6 76.0#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

Tgt Ion: 56 Resp: 8605
Ion Ratio Lower Upper
56 100
69 195.3 28.2 42.4#
84 168.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 79.871 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065553.D

Acq: 27 Mar 2020 19:33

Instrument :

MSVOA_D

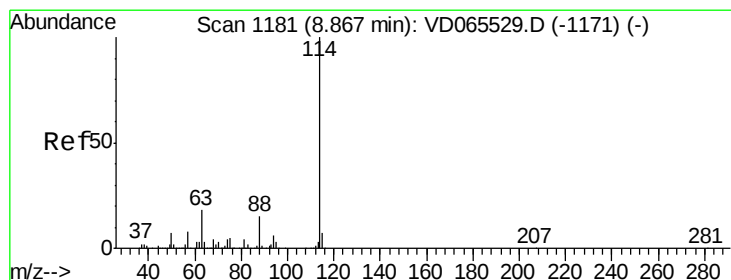
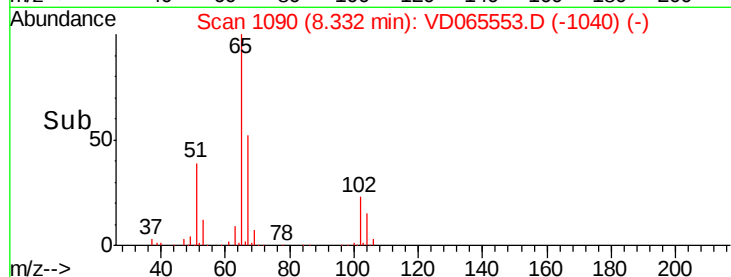
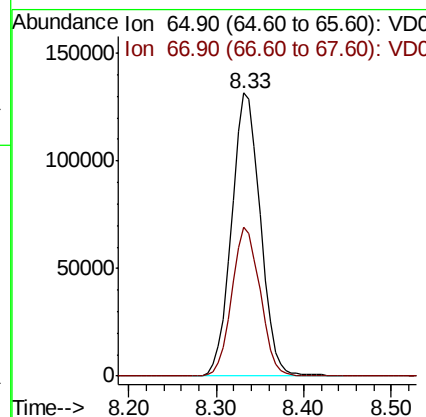
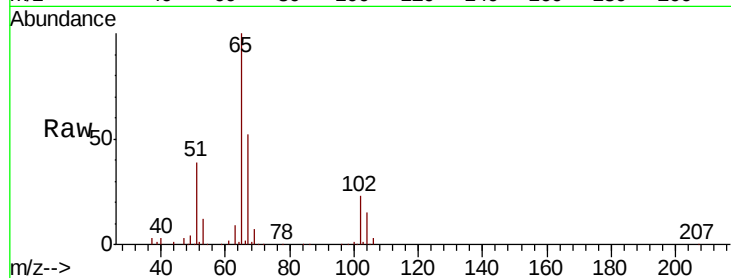
ClientSampleId :

Tot Ion: 65 Resp: 294695

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065553.D

Acq: 27 Mar 2020 19:33

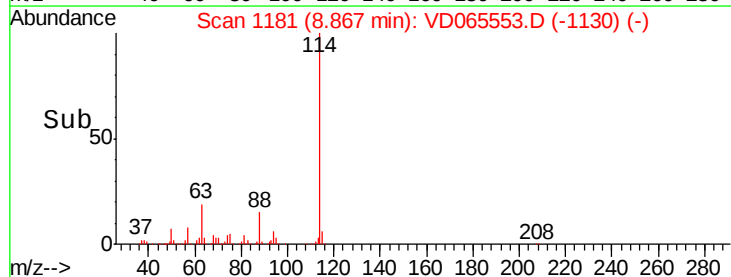
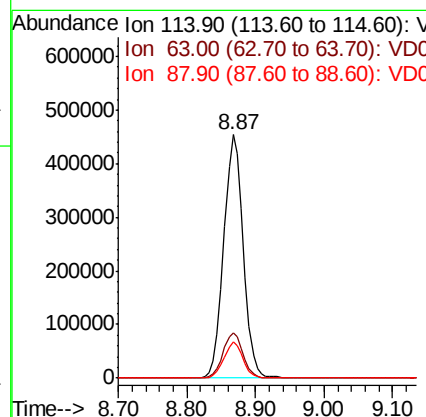
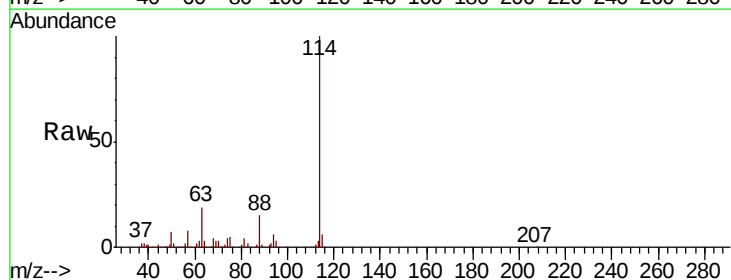
Tgt Ion: 114 Resp: 895418

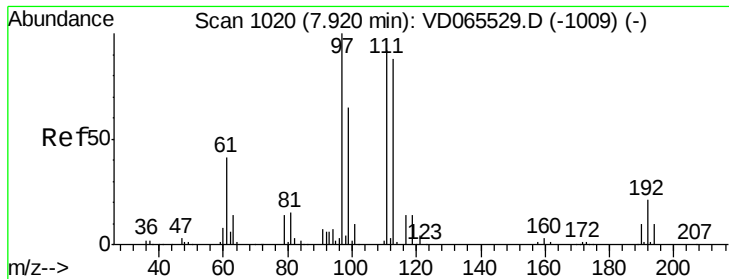
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.0

88 14.9 0.0 30.4

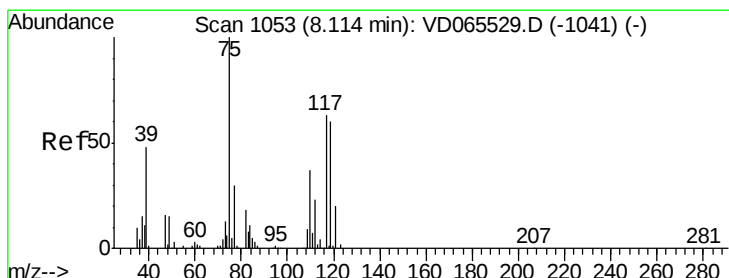
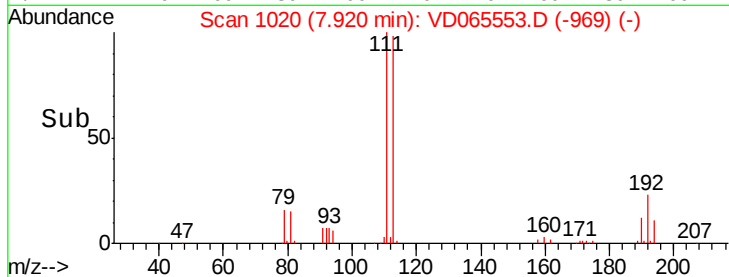
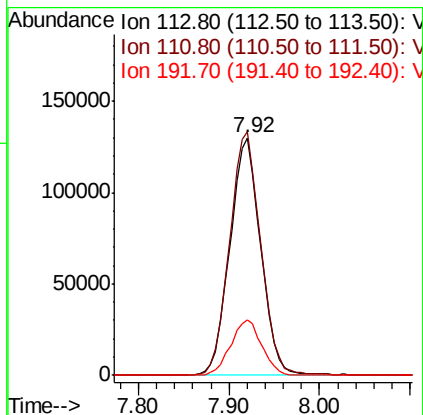
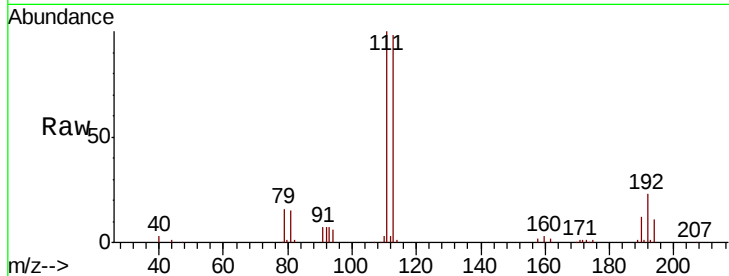




#35
 Dibromofluoromethane
 Concen: 55.457 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065553.D
 Acq: 27 Mar 2020 19:33

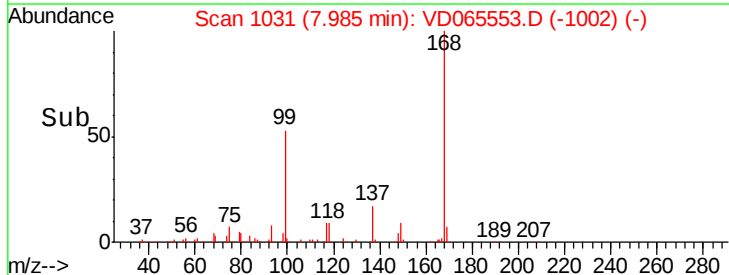
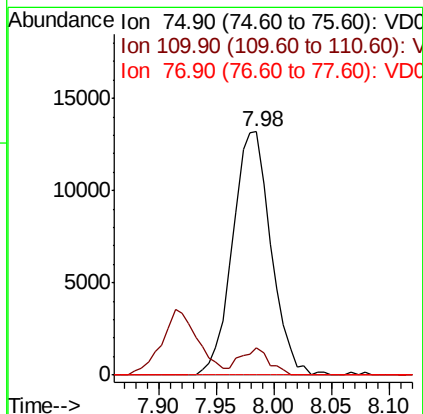
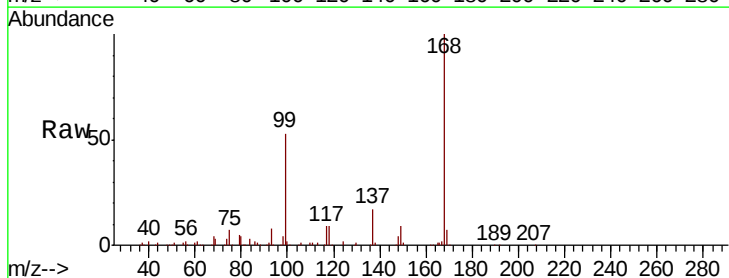
Instrument :
 MSVOA_D
 ClientSampleId :

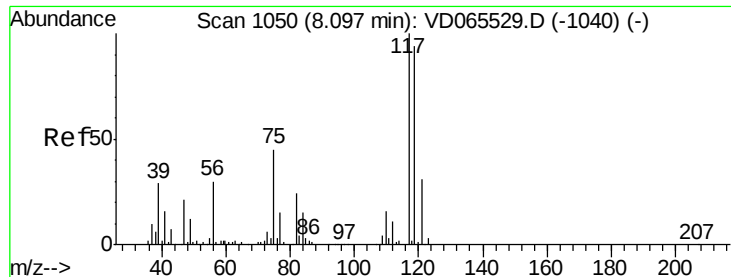
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	23.6	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 3.723 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065553.D
 Acq: 27 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.8	56.4#
77	0.0	25.1	37.7#

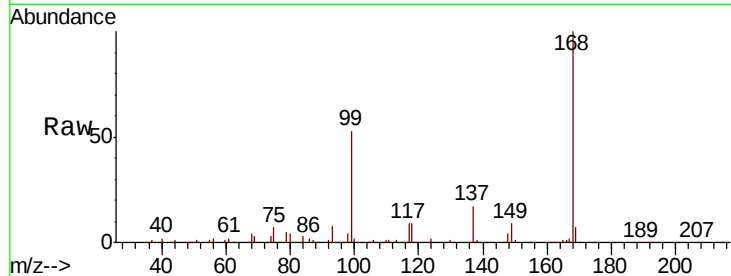




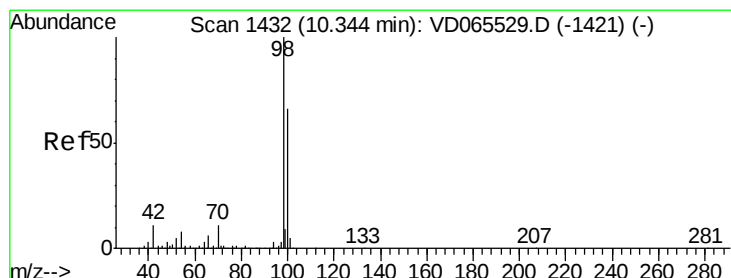
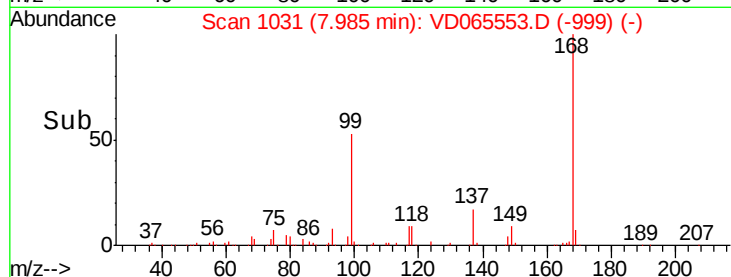
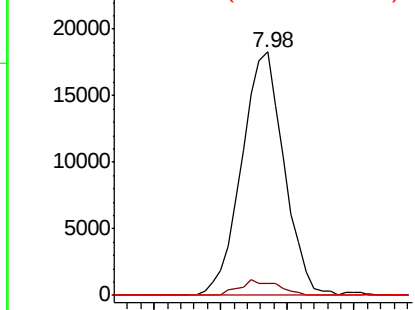
#38
Carbon Tetrachloride
Concen: 4.660 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 40158
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.5 36.7#

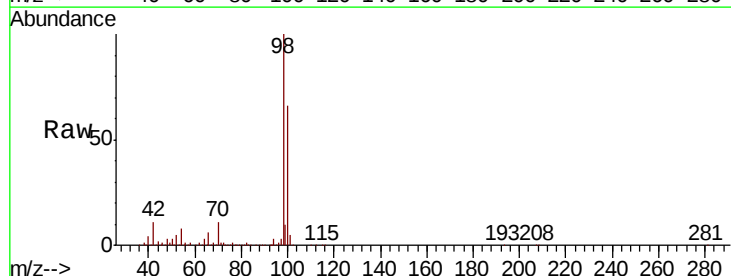


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

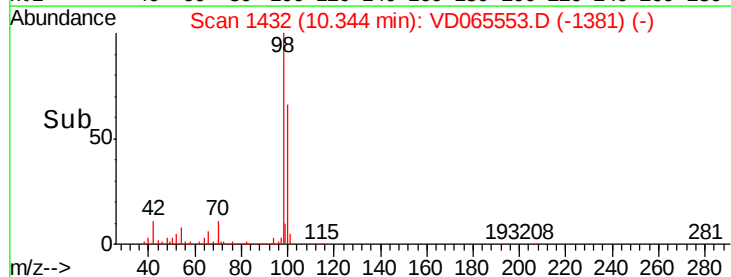
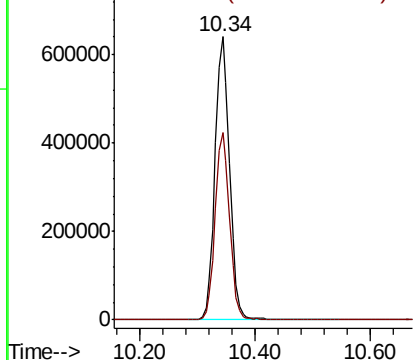


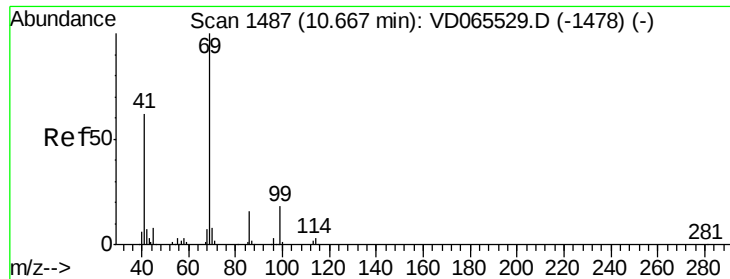
#50
Toluene-d8
Concen: 54.012 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

Tgt Ion: 98 Resp: 1120723
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



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

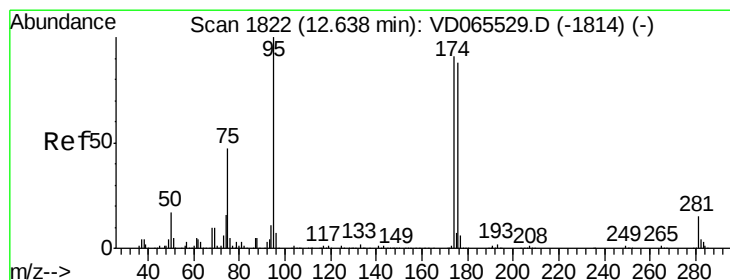
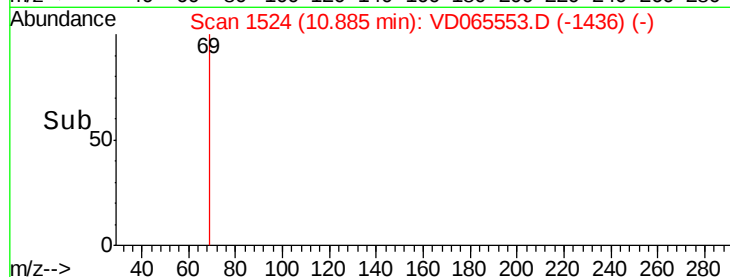
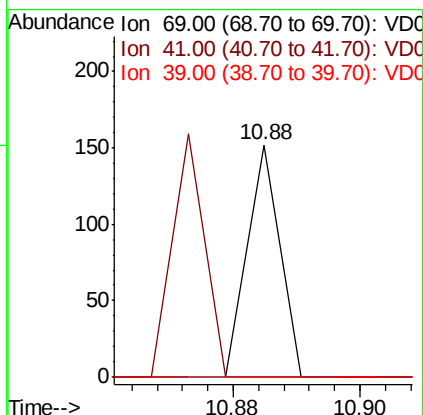
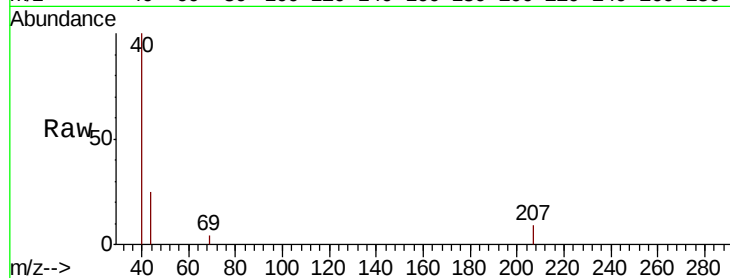




#56
Ethyl methacrylate
Concen: 3.302 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.22 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

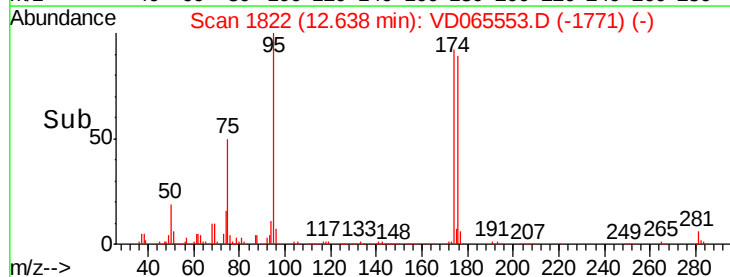
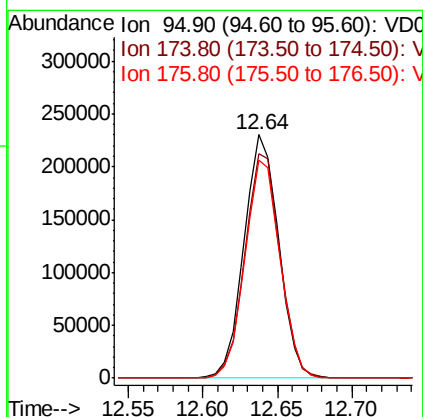
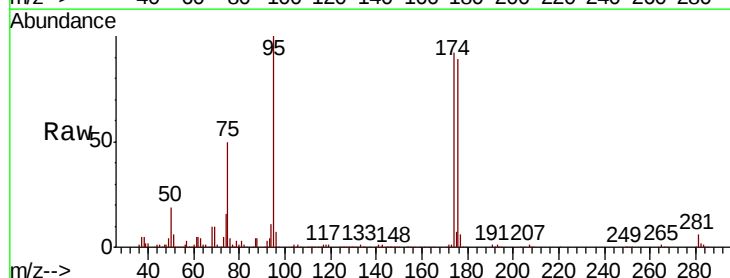
Instrument :
MSVOA_D
ClientSampleId :

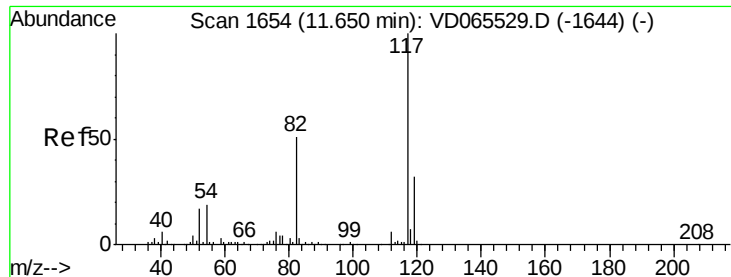
Tot Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 103.7 51.3 76.9#
39 0.0 25.3 37.9#



#62
4-Bromofluorobenzene
Concen: 56.087 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

Tgt Ion: 95 Resp: 369372
Ion Ratio Lower Upper
95 100
174 93.3 0.0 183.8
176 90.6 0.0 178.2

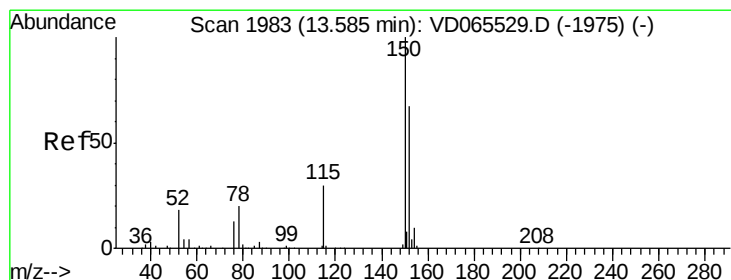
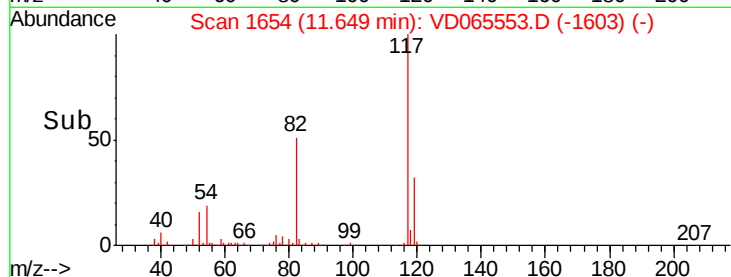
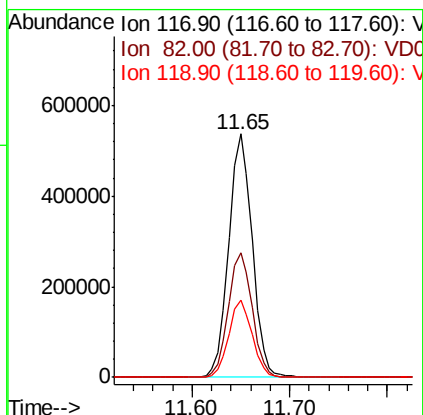
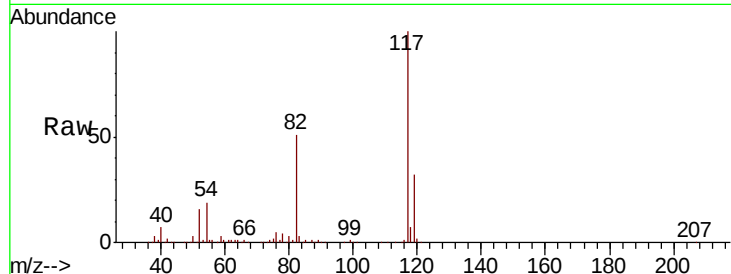




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

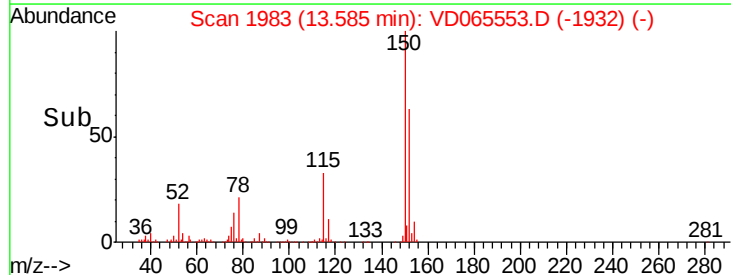
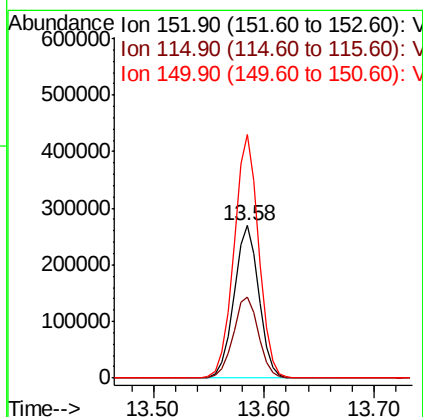
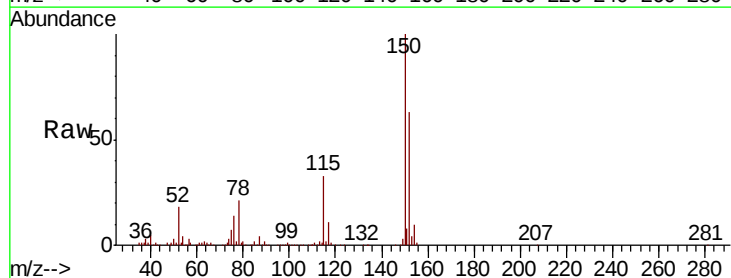
Instrument :
MSVOA_D
ClientSampleId :

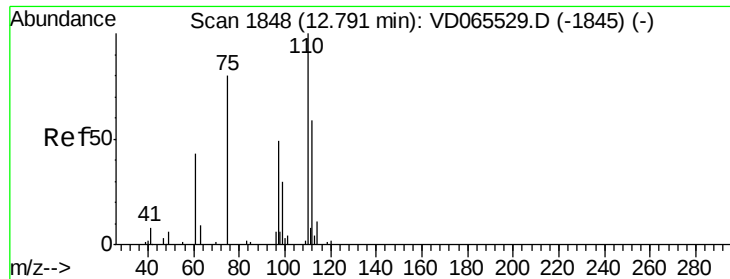
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.0	61.6
119	31.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065553.D
Acq: 27 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.2	81.6
150	159.0	0.0	340.2

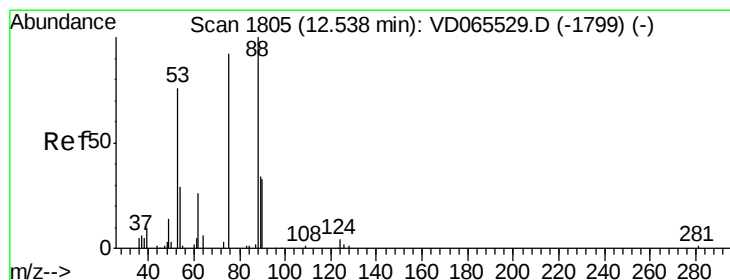
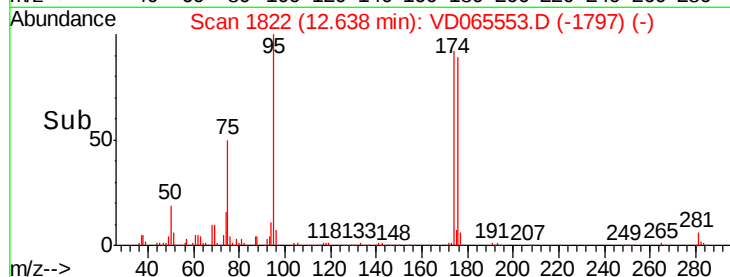
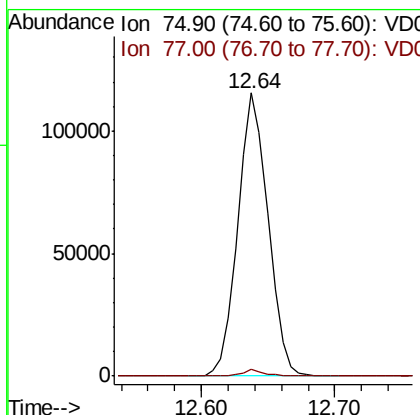
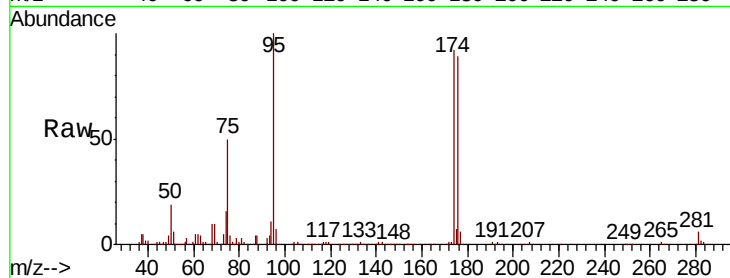




#76
 1,2,3-Trichloropropane
 Concen: 55.581 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065553.D
 Acq: 27 Mar 2020 19:33

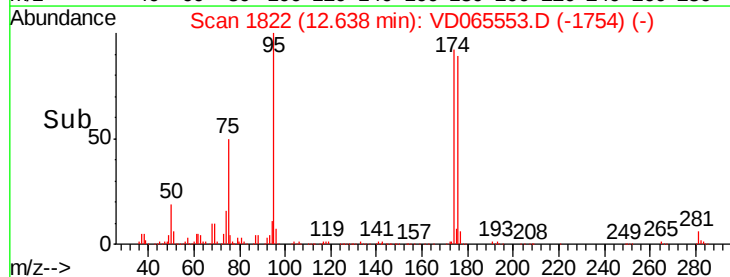
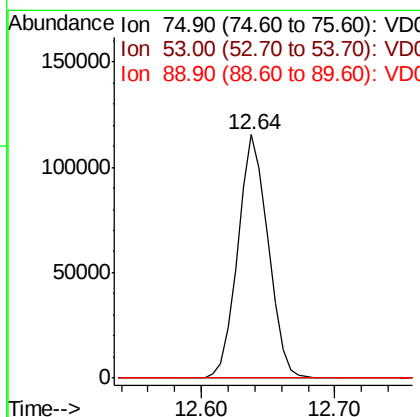
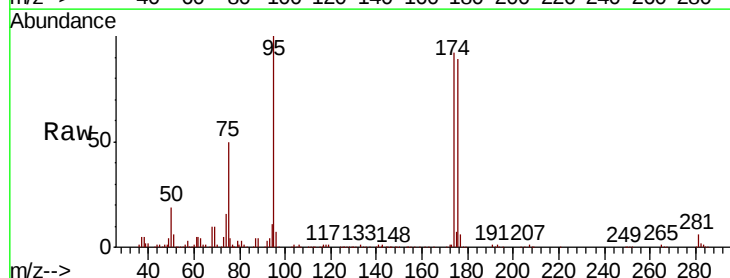
Instrument :
 MSVOA_D
 ClientSampled :

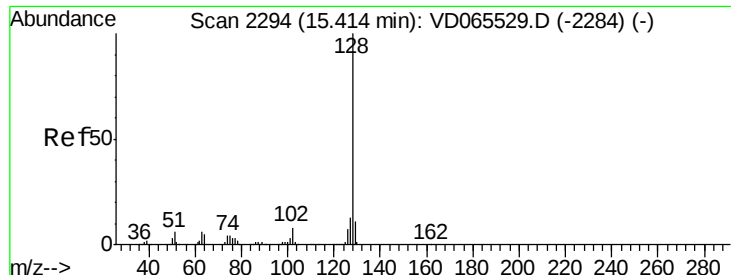
Tot Ion: 75 Resp: 180847
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.067 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065553.D
 Acq: 27 Mar 2020 19:33

Tgt Ion: 75 Resp: 180847
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.4 108.6#
 89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 4.383 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065553.D

Acq: 27 Mar 2020 19:33

Instrument :

MSVOA_D

ClientSampleId :

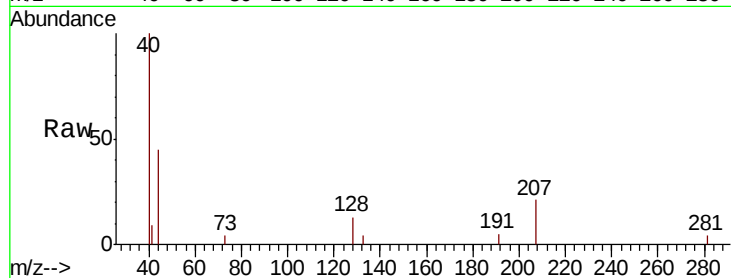
Tot Ion:128 Resp: 865

Ion Ratio Lower Upper

128 100

127 7.3 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

