

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067733.D
 Acq On : 20 Nov 2020 19:05
 Operator : VA/SY
 Sample : L4847-03
 Misc : 1.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 00:42:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	244197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	364809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	370160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	181935	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	94369	44.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.40%	
35) Dibromofluoromethane	7.92	113	105175	47.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.70%	
50) Toluene-d8	10.34	98	428096	55.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.84%	
62) 4-Bromofluorobenzene	12.64	95	152799	57.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.60%	

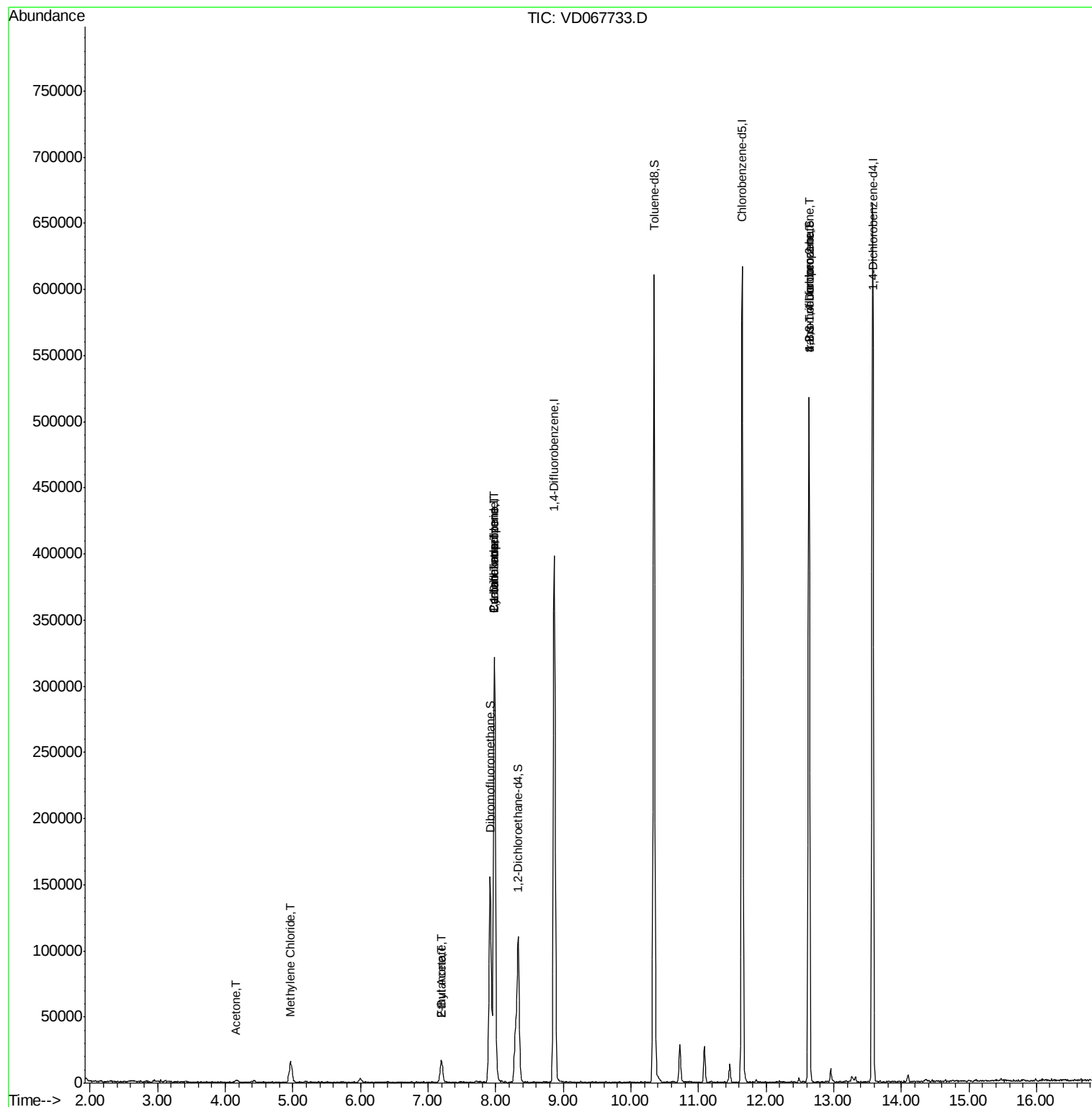
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	306	Below Cal	#	79
16) Acetone	4.16	43	1739	5.442	ug/l	95
20) Methylene Chloride	4.97	84	12534	5.553	ug/l	89
25) 2-Butanone	7.21	43	1045	3.061	ug/l #	42
31) Cyclohexane	7.98	56	4937	1.594	ug/l #	56
36) 1,1-Dichloropropene	7.98	75	15887	5.088	ug/l #	52
37) Ethyl Acetate	7.21	43	1045	1.289	ug/l #	63
38) Carbon Tetrachloride	7.98	117	25174	6.205	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	79170	72.134	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	79170	146.452	ug/l #	10

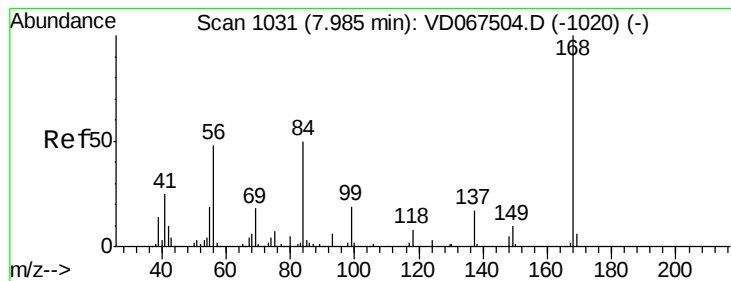
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 00:42:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067733.D

Acq: 20 Nov 2020 19:05

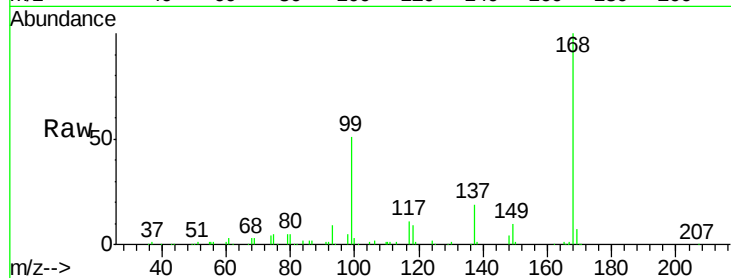
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 244197

Ion Ratio Lower Upper

168 100

99 50.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

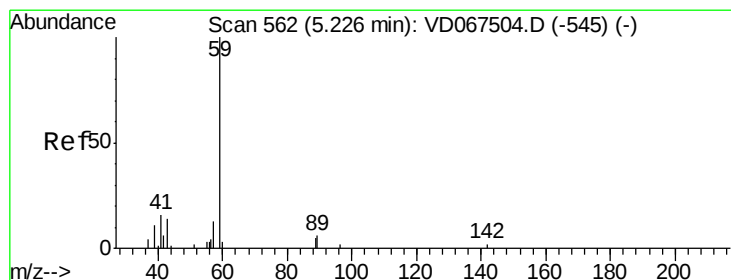
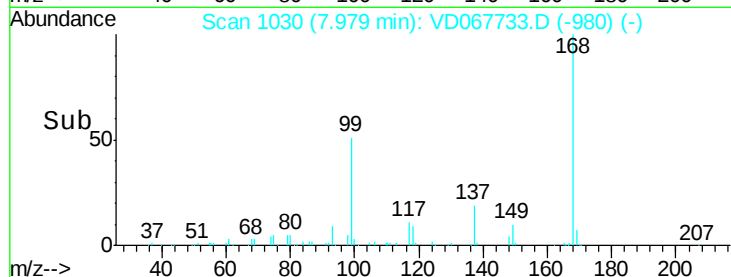
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067733.D

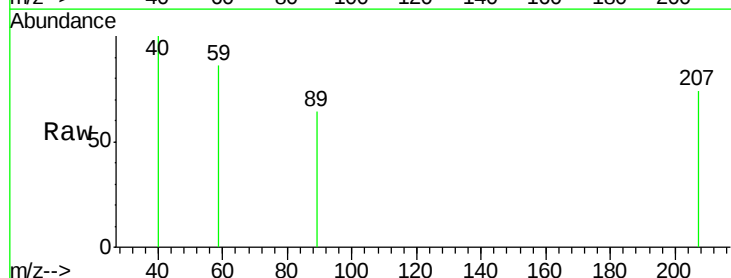
Acq: 20 Nov 2020 19:05

Tgt Ion: 59 Resp: 306

Ion Ratio Lower Upper

59 100

57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

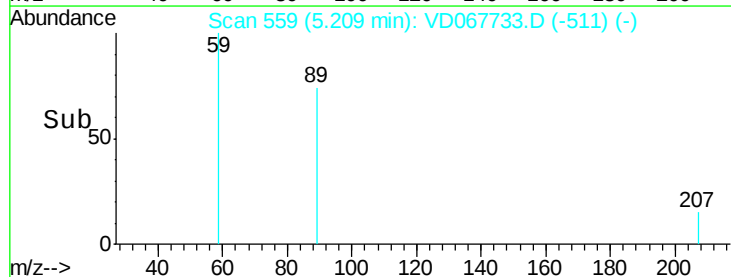
300

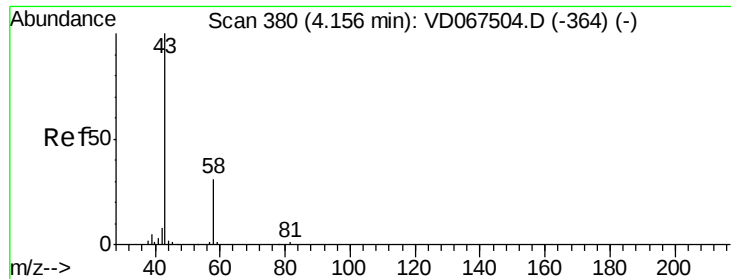
200

100

0

Time-->





#16

Acetone

Concen: 5.442 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067733.D

Acq: 20 Nov 2020 19:05

Instrument :

MSVOA_D

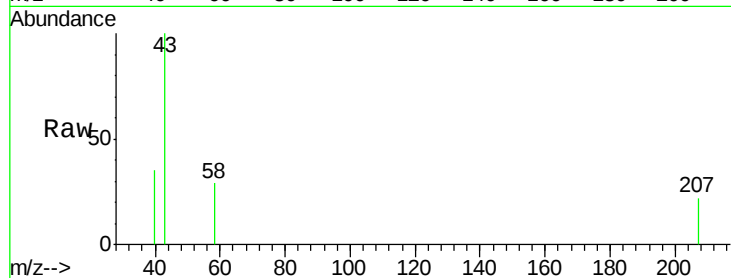
ClientSampleId :

Tot Ion: 43 Resp: 1739

Ion Ratio Lower Upper

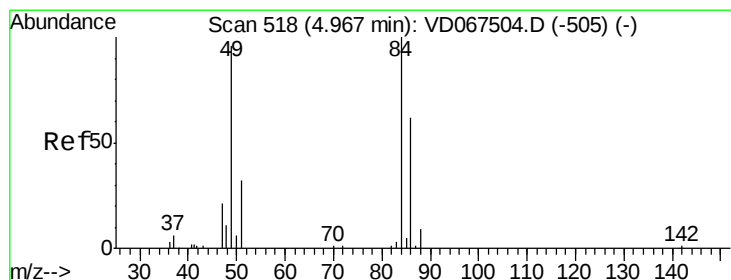
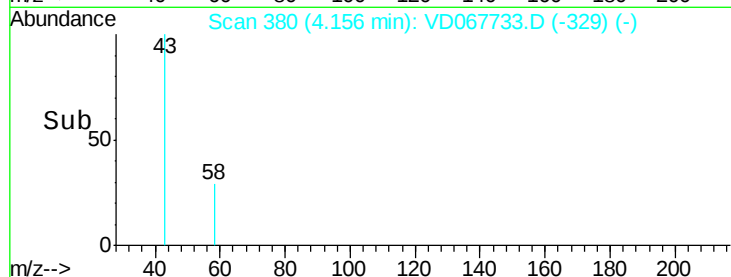
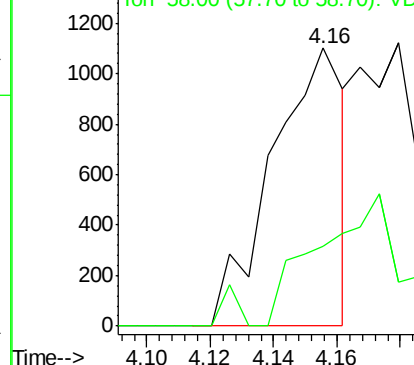
43 100

58 28.6 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 5.553 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067733.D

Acq: 20 Nov 2020 19:05

Tgt Ion: 84 Resp: 12534

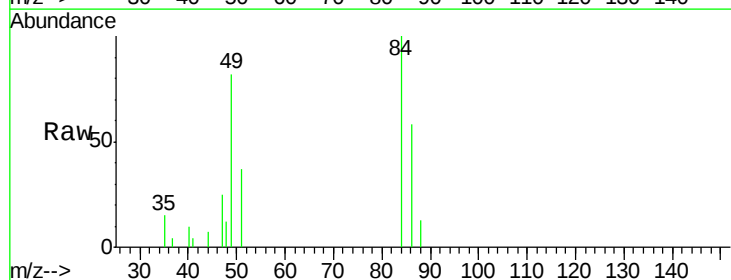
Ion Ratio Lower Upper

84 100

49 81.6 77.0 115.4

51 36.7 25.4 38.2

86 58.1 49.4 74.0

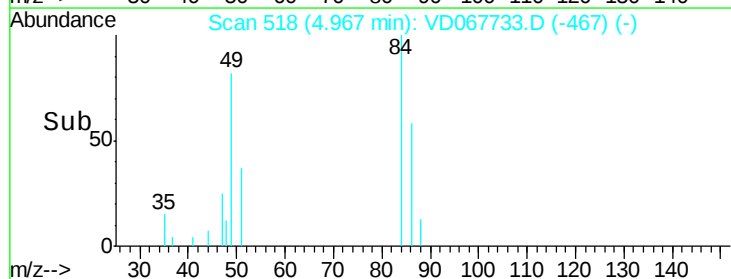
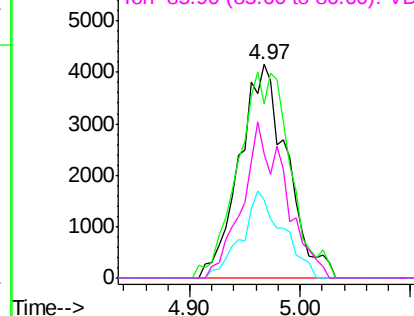


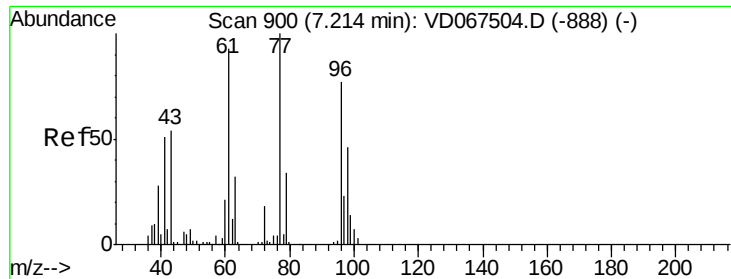
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 3.061 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067733.D

Acq: 20 Nov 2020 19:05

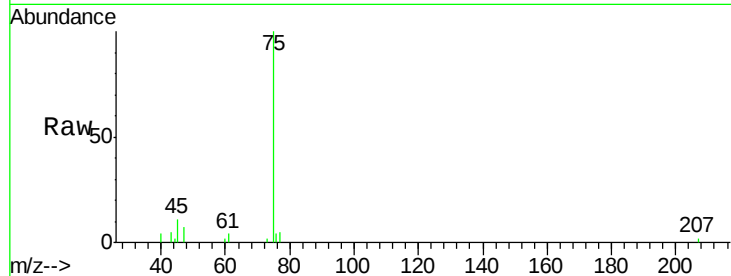
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1045

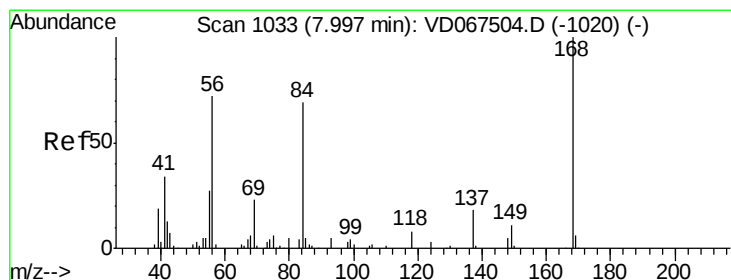
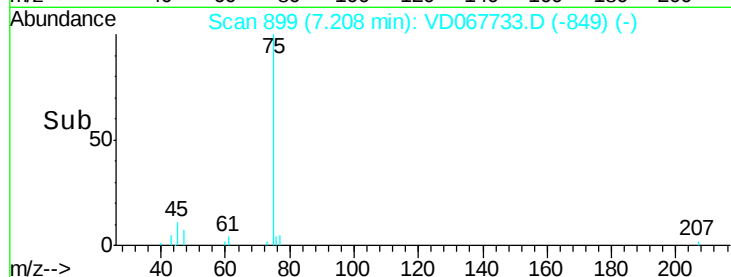
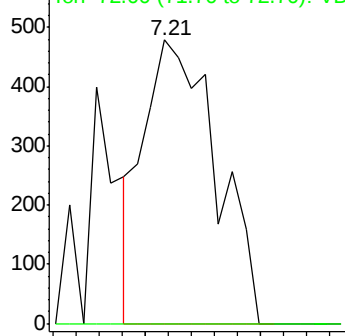
Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.594 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067733.D

Acq: 20 Nov 2020 19:05

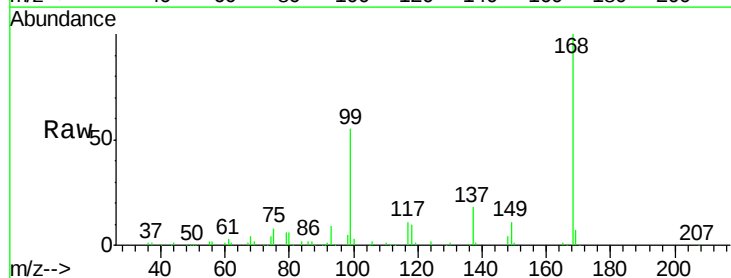
Tgt Ion: 56 Resp: 4937

Ion Ratio Lower Upper

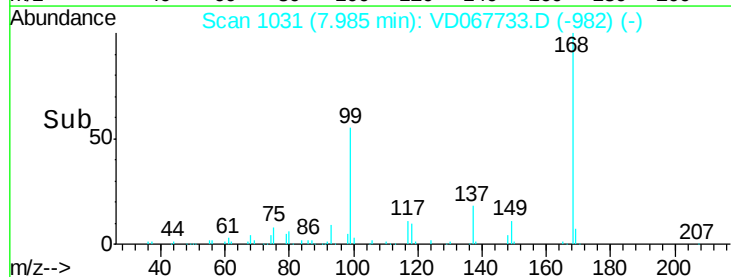
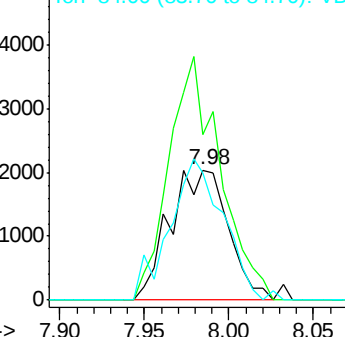
56 100

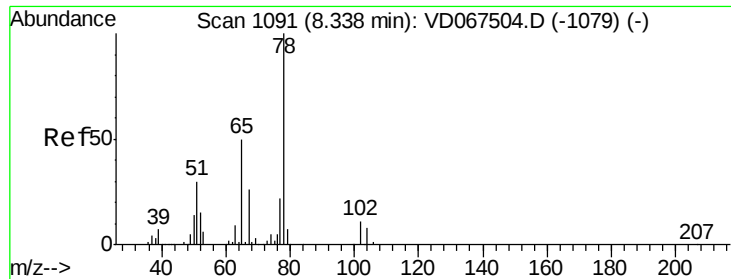
69 127.0 25.9 38.9#

84 97.3 76.2 114.4



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

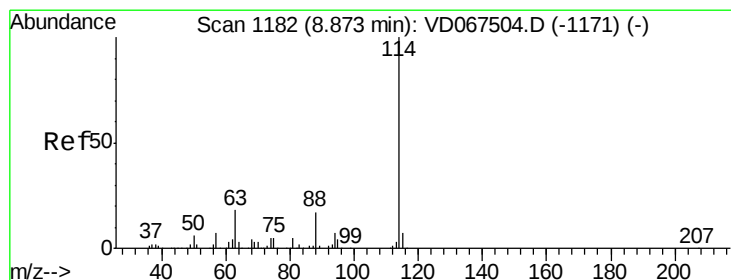
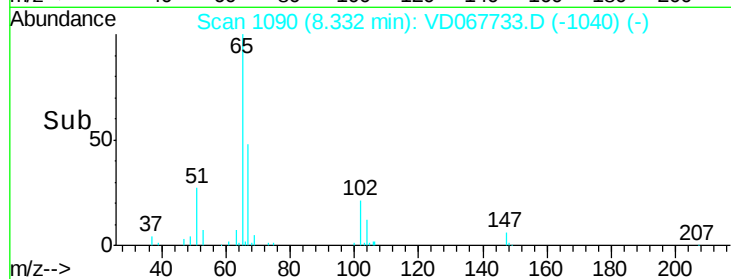
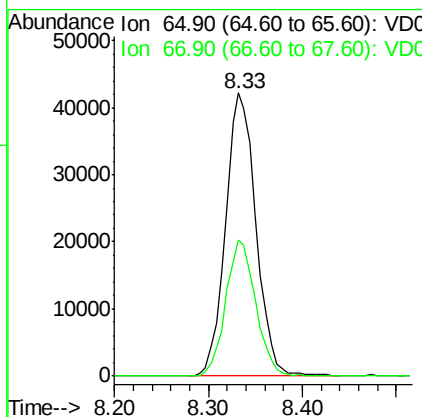
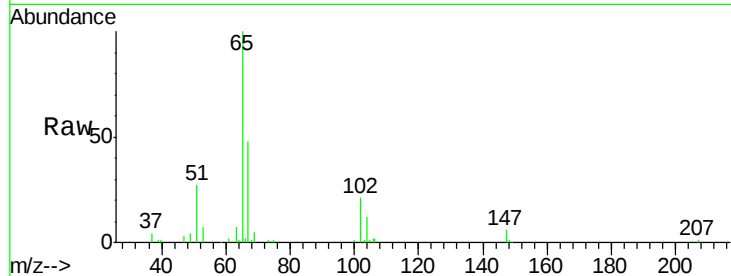




#33
 1,2-Dichloroethane-d4
 Concen: 44.196 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067733.D
 Acq: 20 Nov 2020 19:05

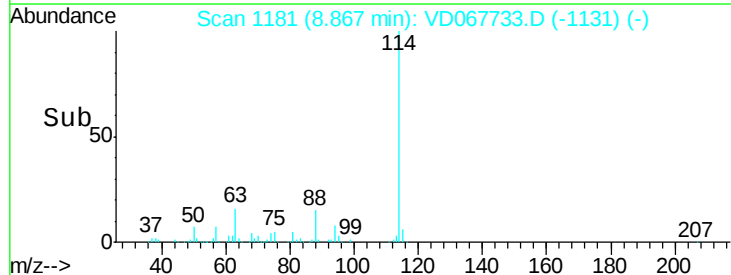
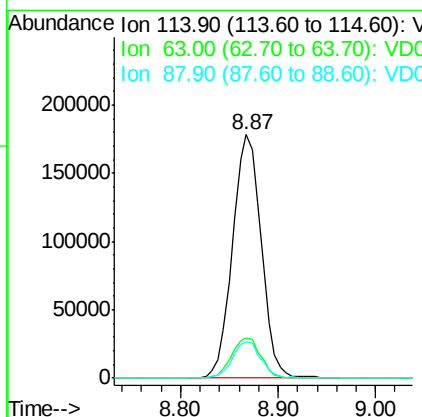
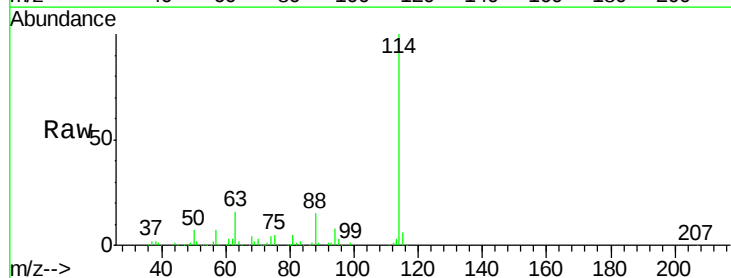
Instrument :
 MSVOA_D
 ClientSampleId :

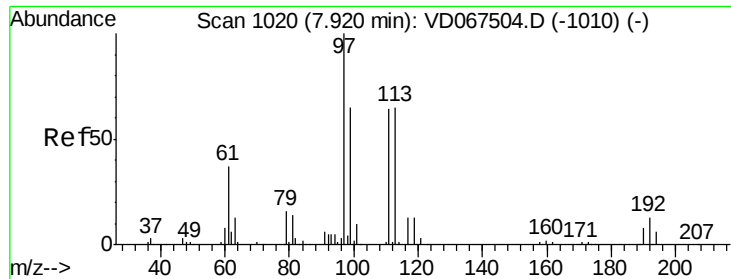
Tot Ion: 65 Resp: 94369
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067733.D
 Acq: 20 Nov 2020 19:05

Tgt Ion: 114 Resp: 364809
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 35.0
 88 15.1 0.0 33.0

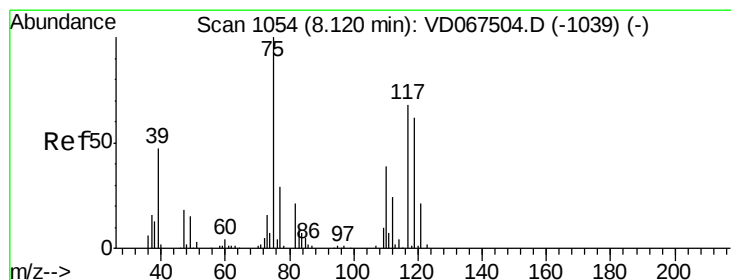
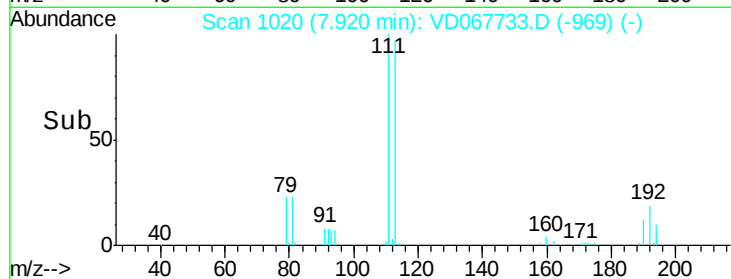
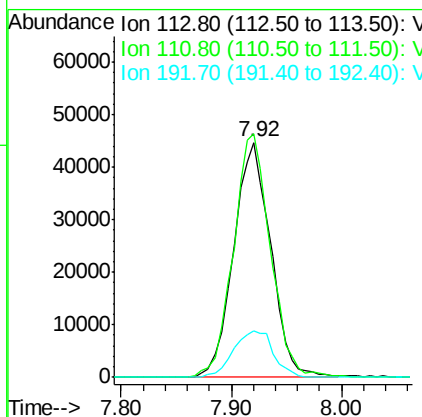
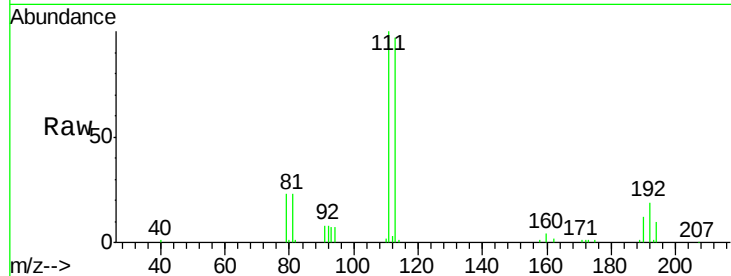




#35
 Dibromofluoromethane
 Concen: 47.851 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067733.D
 Acq: 20 Nov 2020 19:05

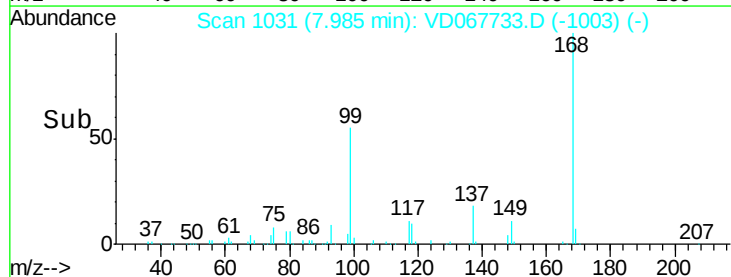
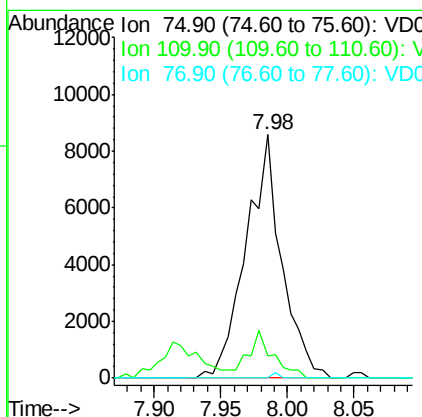
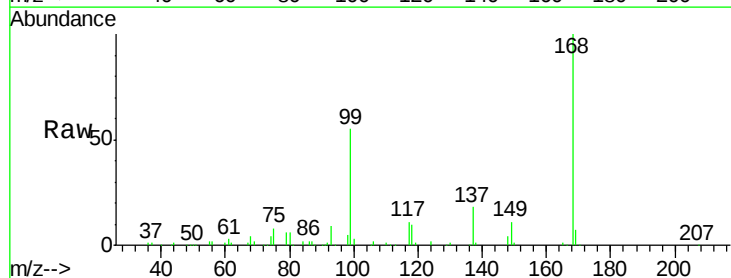
Instrument :
 MSVOA_D
 ClientSampled :

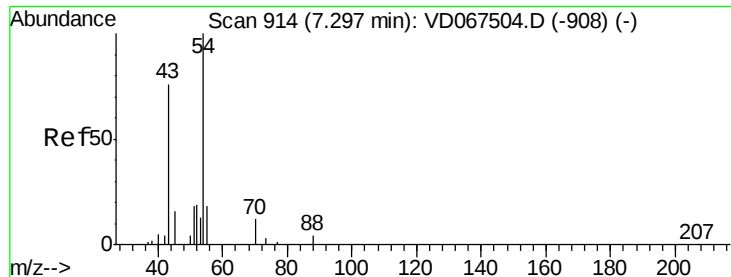
Tot Ion:113 Resp: 105175
 Ion Ratio Lower Upper
 113 100
 111 103.7 80.0 120.0
 192 21.3 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067733.D
 Acq: 20 Nov 2020 19:05

Tgt Ion: 75 Resp: 15887
 Ion Ratio Lower Upper
 75 100
 110 14.3 19.9 59.7#
 77 0.4 24.8 37.2#

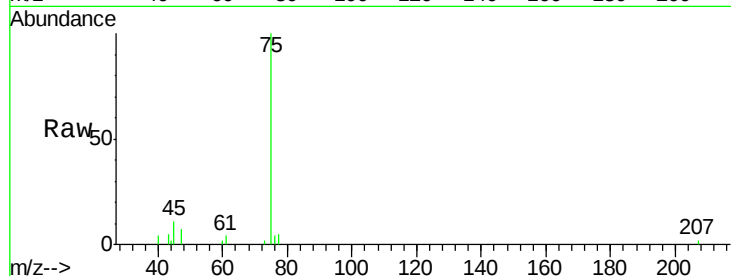




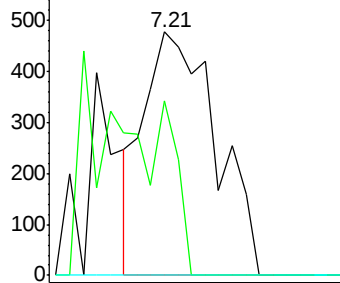
#37
Ethyl Acetate
Concen: 1.289 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.09 min
Lab File: VD067733.D
Acq: 20 Nov 2020 19:05

Instrument :
MSVOA_D
ClientSampled :

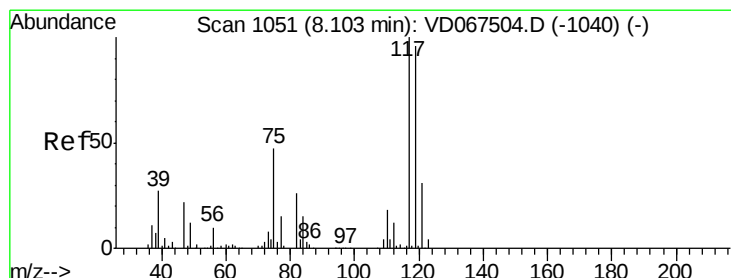
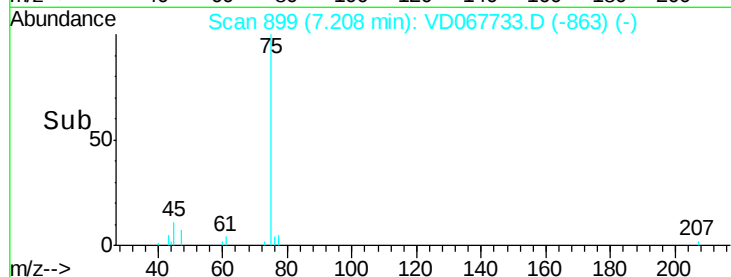
Tot Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

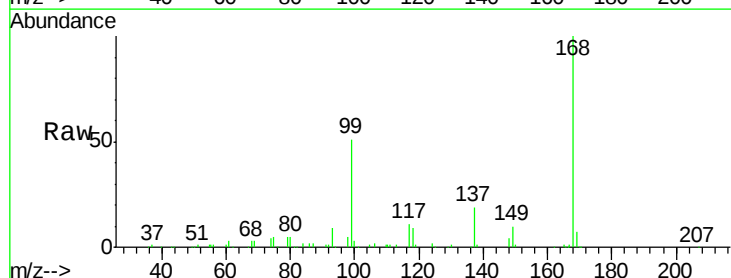


Time-->

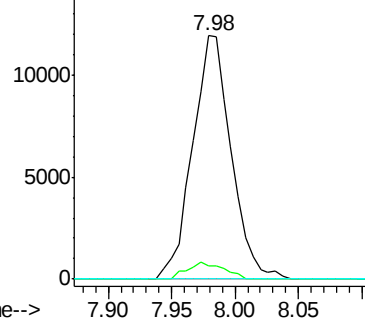


#38
Carbon Tetrachloride
Concen: 6.205 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067733.D
Acq: 20 Nov 2020 19:05

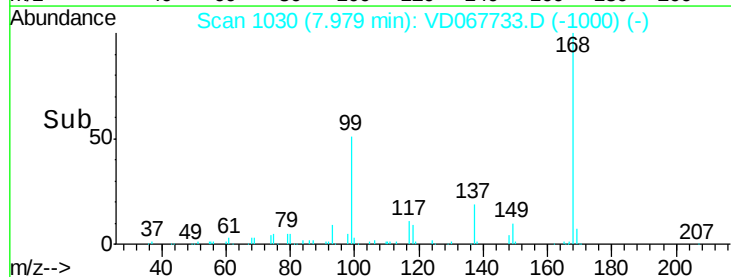
Tgt Ion: 117 Resp: 25174
Ion Ratio Lower Upper
117 100
119 5.5 76.9 115.3#
121 0.0 24.5 36.7#

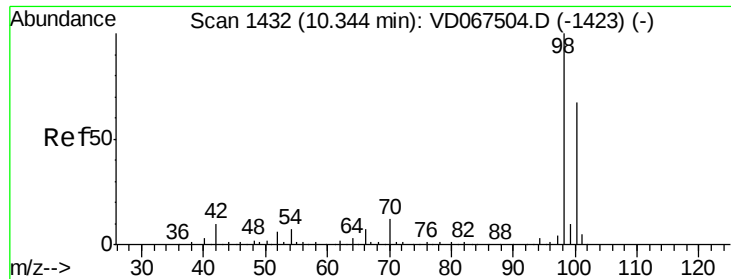


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->





#50

Toluene-d8

Concen: 55.423 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067733.D

Acq: 20 Nov 2020 19:05

Instrument :

MSVOA_D

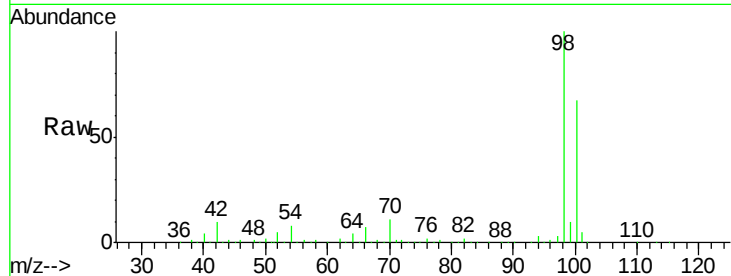
ClientSampleId :

Tot Ion: 98 Resp: 428096

Ion Ratio Lower Upper

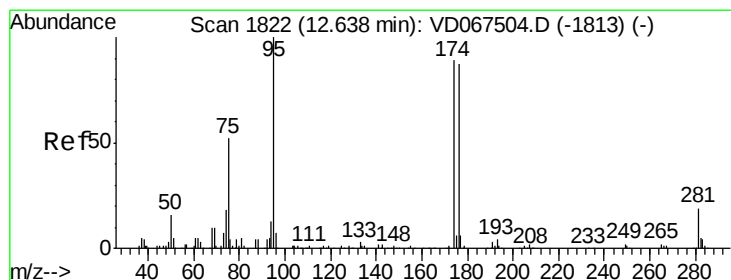
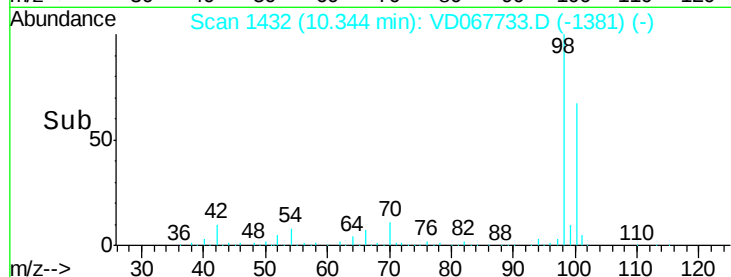
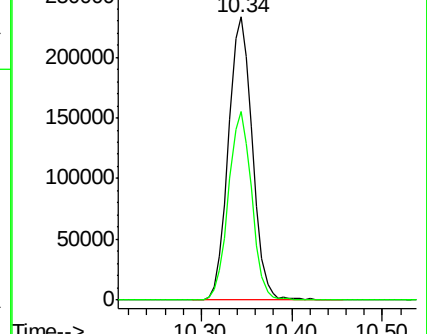
98 100

100 64.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 57.298 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067733.D

Acq: 20 Nov 2020 19:05

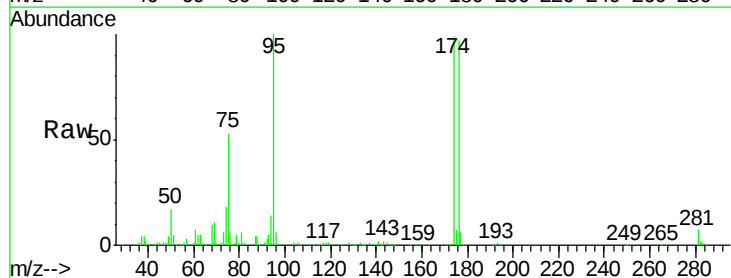
Tgt Ion: 95 Resp: 152799

Ion Ratio Lower Upper

95 100

174 97.3 0.0 177.8

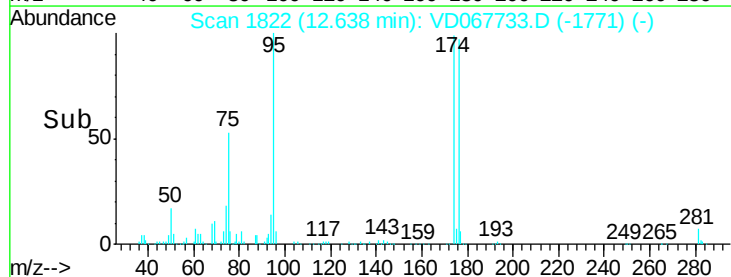
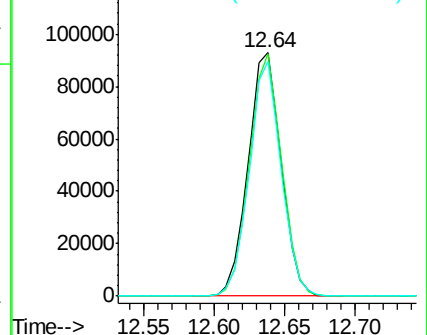
176 92.9 0.0 172.0

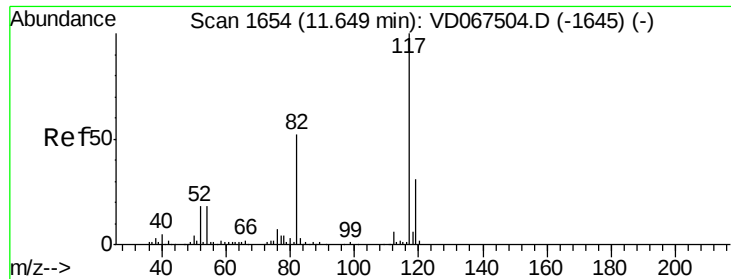


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

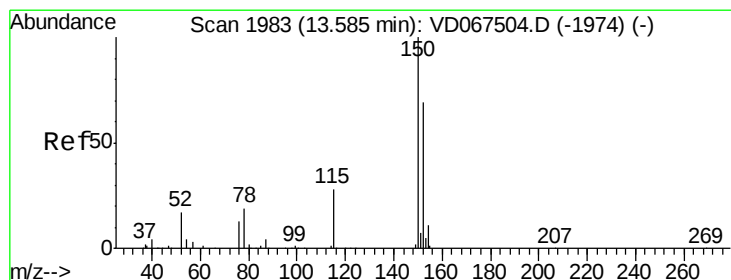
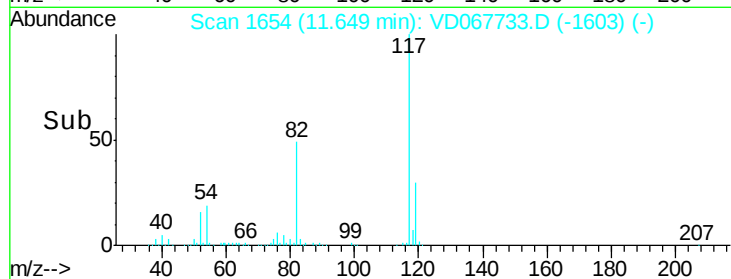
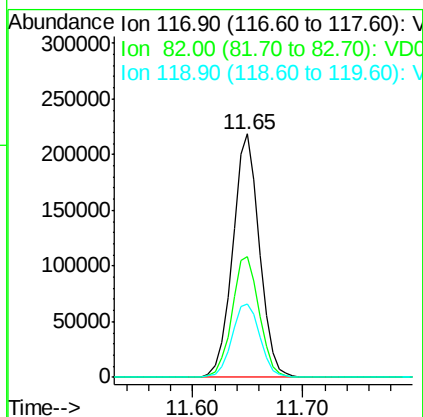
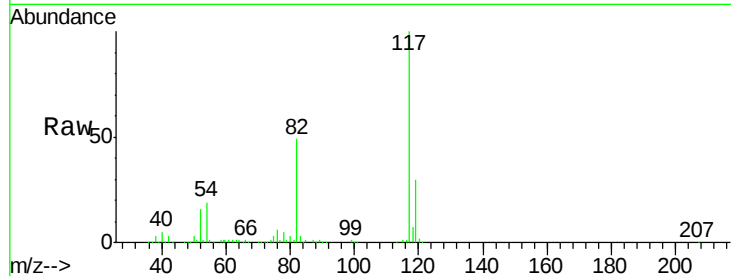




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067733.D
Acq: 20 Nov 2020 19:05

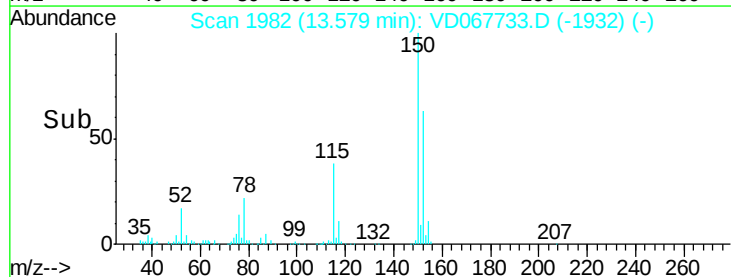
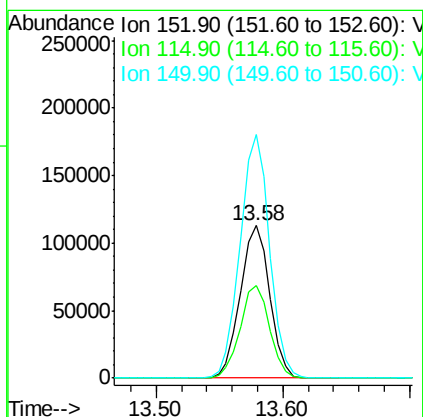
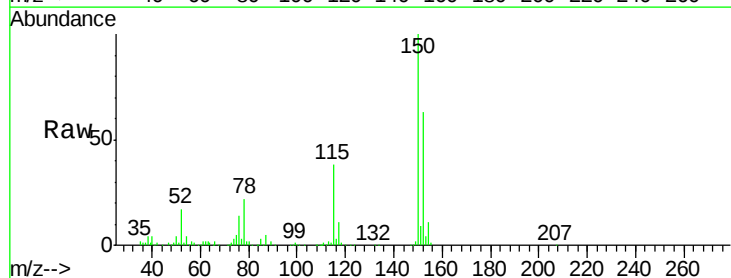
Instrument :
MSVOA_D
ClientSampleId :

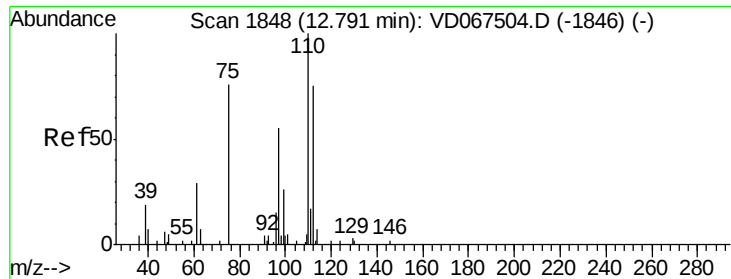
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	41.6	62.4
119	30.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067733.D
Acq: 20 Nov 2020 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.3	88.0
150	159.6	0.0	338.2

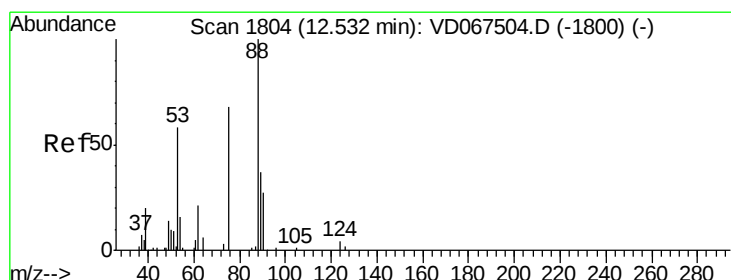
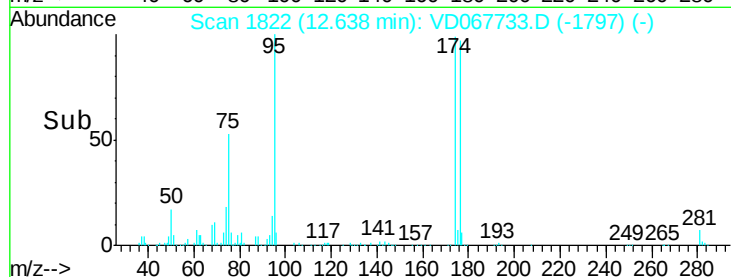
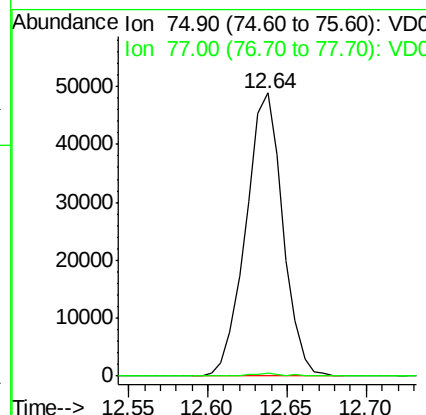
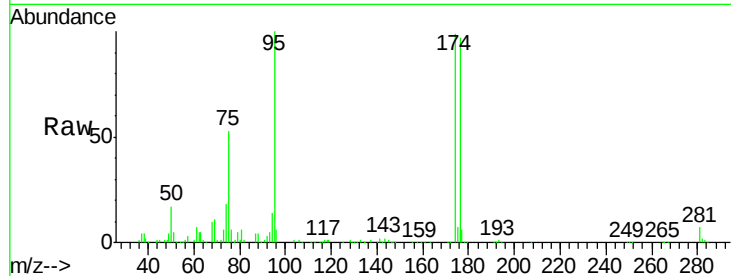




#76
 1,2,3-Trichloropropane
 Concen: 72.134 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067733.D
 Acq: 20 Nov 2020 19:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 79170
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.452 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067733.D
 Acq: 20 Nov 2020 19:05

Tgt Ion: 75 Resp: 79170
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.9 113.9#
 89 0.1 44.6 67.0#

