

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067605.D
 Acq On : 11 Nov 2020 16:30
 Operator : VA/SY
 Sample : L4717-01
 Misc : 4.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-35-3-WC

Quant Time: Nov 12 00:10:25 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	394615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	642079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	692190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	181020	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.93	113	199218	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.34	98	788320	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
62) 4-Bromofluorobenzene	12.64	95	327941	69.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.74%	

Target Compounds

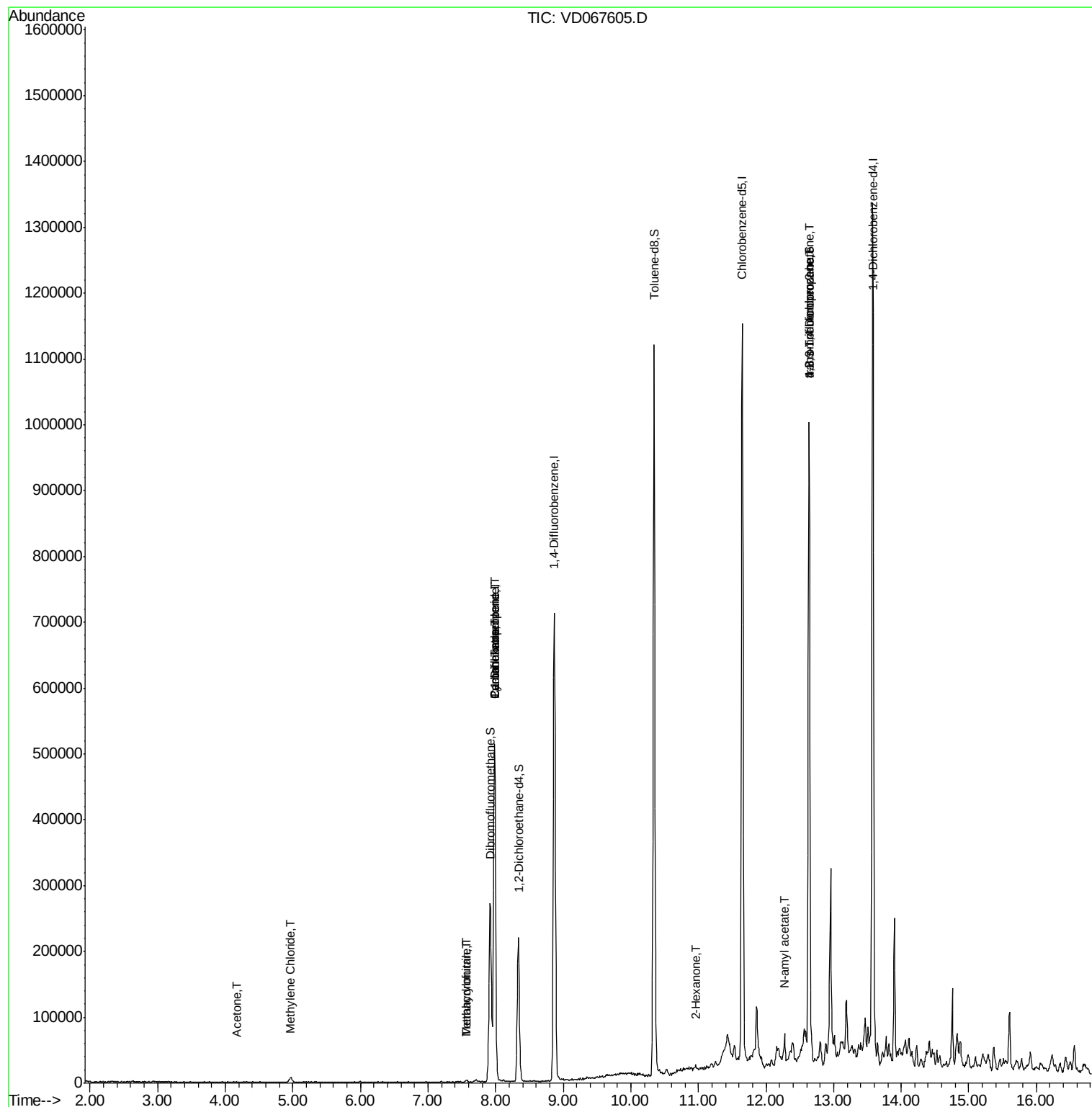
						Qvalue
2) Dichlorodifluoromethane	1.99	85	131	Below Cal	#	44
11) Tert butyl alcohol	5.23	59	57	Below Cal	#	79
16) Acetone	4.16	43	766	1.484	ug/l	94
20) Methylene Chloride	4.96	84	5859	1.606	ug/l #	84
29) Tetrahydrofuran	7.57	42	1653	5.002	ug/l #	66
31) Cyclohexane	7.98	56	6886	1.376	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	25887	4.710	ug/l #	48
38) Carbon Tetrachloride	7.98	117	39566	5.541	ug/l #	17
41) Methacrylonitrile	7.58	41	976	1.144	ug/l #	38
59) 2-Hexanone	10.96	43	3639	3.856	ug/l #	23
74) N-amyl acetate	12.27	43	7815	2.588	ug/l #	63
76) 1,2,3-Trichloropropane	12.64	75	159930	74.657	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	159930	151.574	ug/l #	10

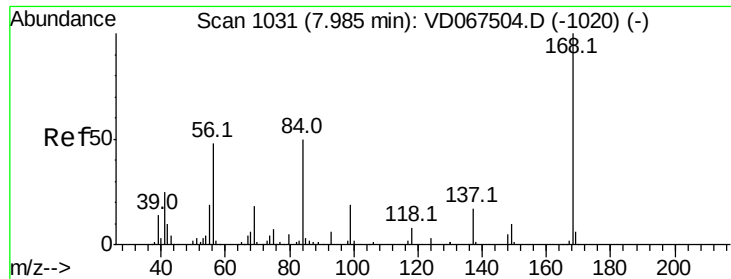
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067605.D

Acq: 11 Nov 2020 16:30

Instrument :

MSVOA_D

ClientSampleId :

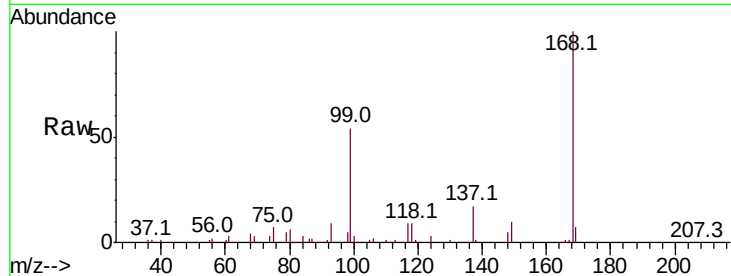
R-LA-35-3-WC

Tot Ion:168 Resp: 394615

Ion Ratio Lower Upper

168 100

99 54.4 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

200000

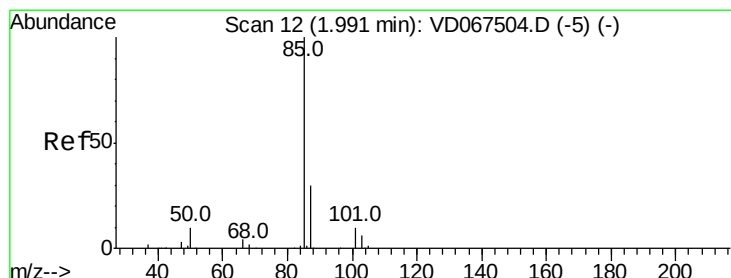
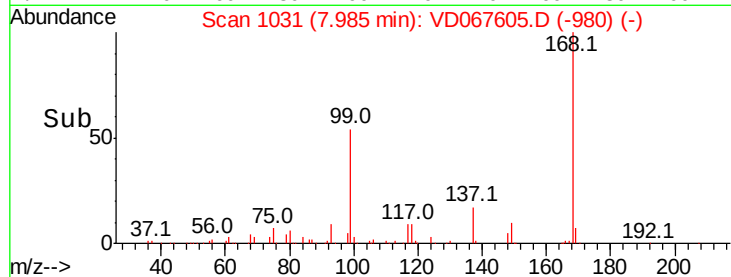
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067605.D

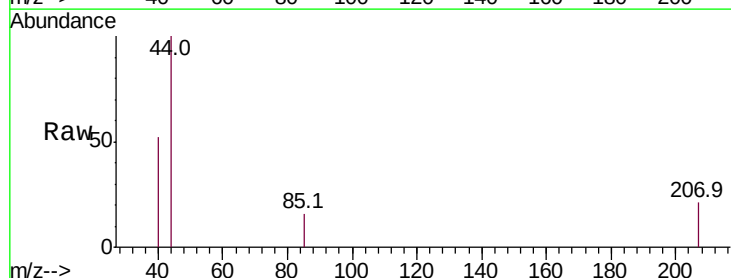
Acq: 11 Nov 2020 16:30

Tgt Ion: 85 Resp: 131

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200

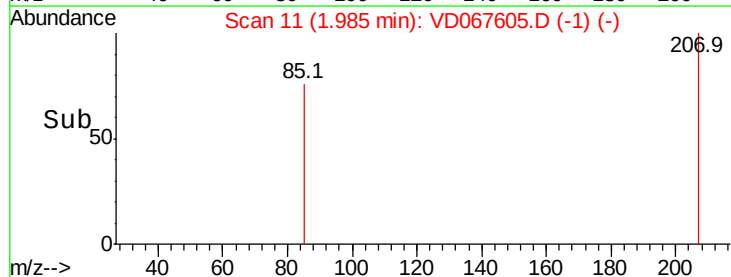
150

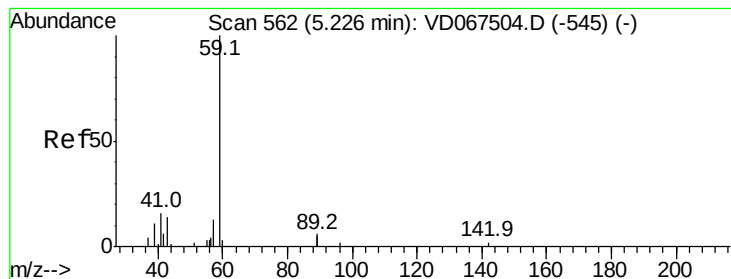
100

50

0

Time-->



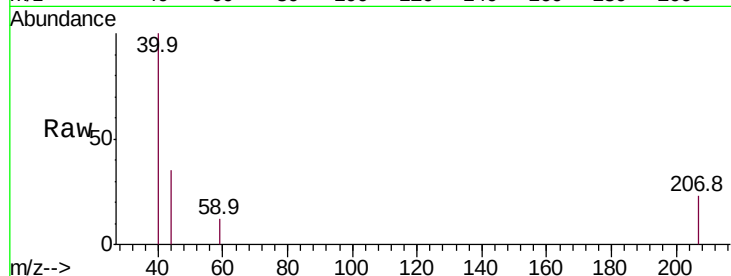


#11

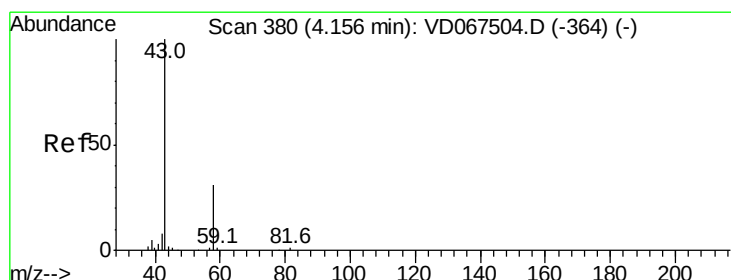
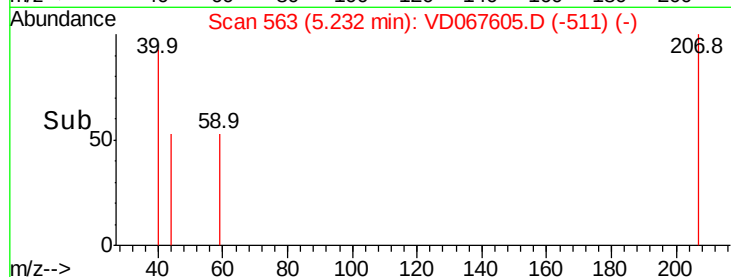
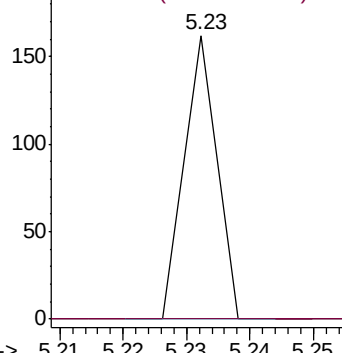
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Instrument :
MSVOA_D
ClientSampleId :
R-LA-35-3-WC

Tot Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



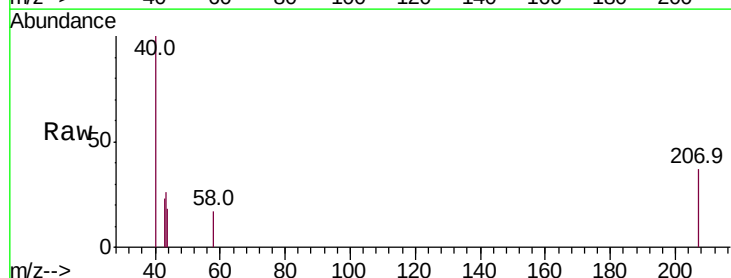
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



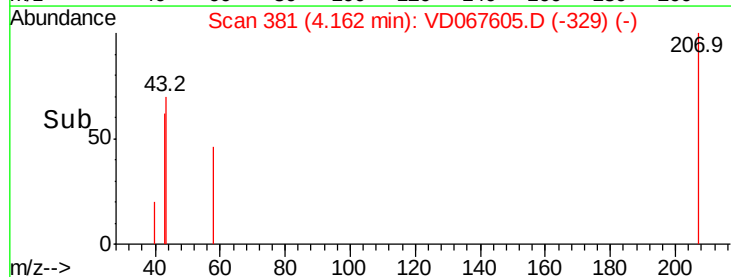
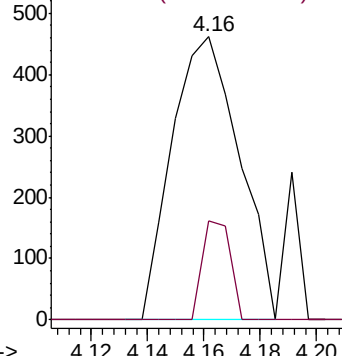
#16

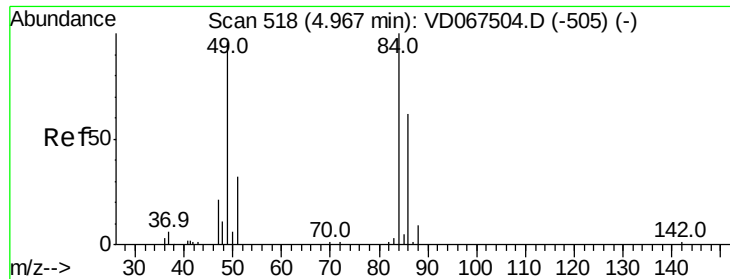
Acetone
Concen: 1.484 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Tgt Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
58 35.1 25.2 37.8



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

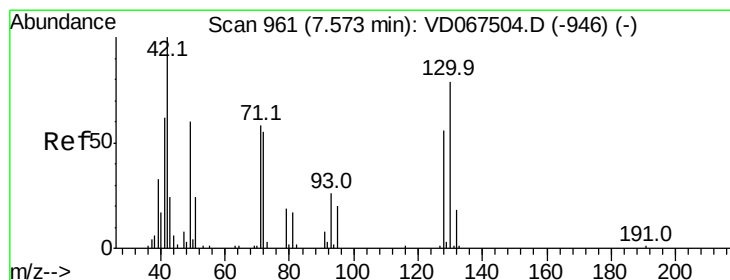
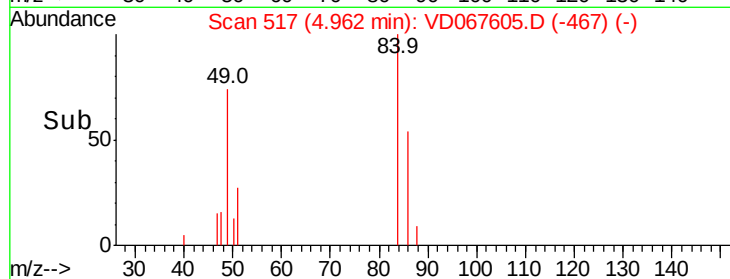
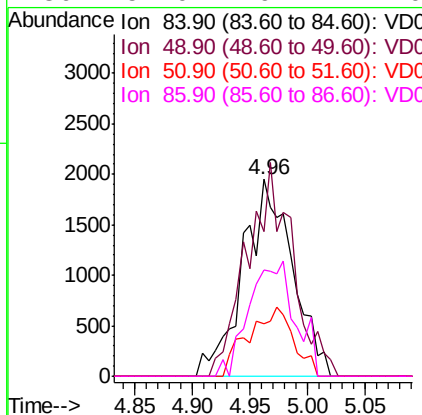
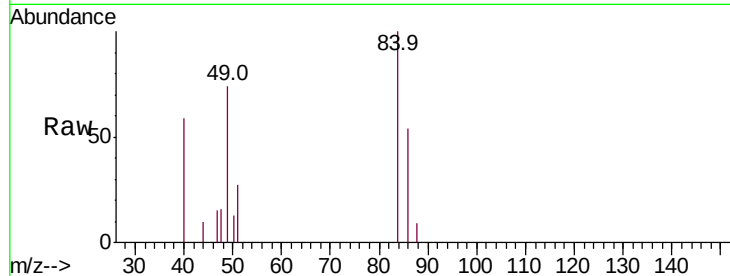




#20
Methylene Chloride
Concen: 1.606 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

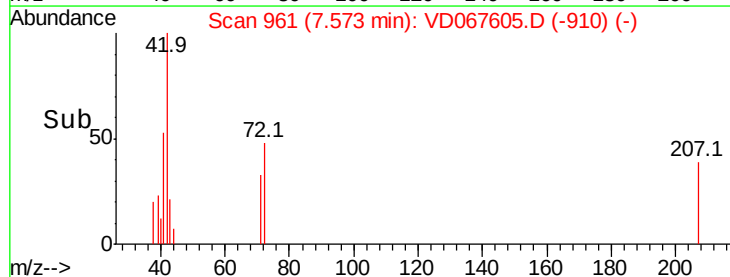
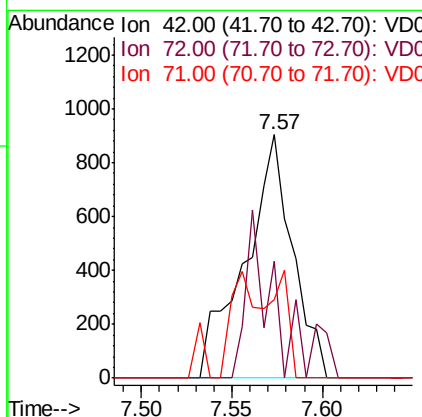
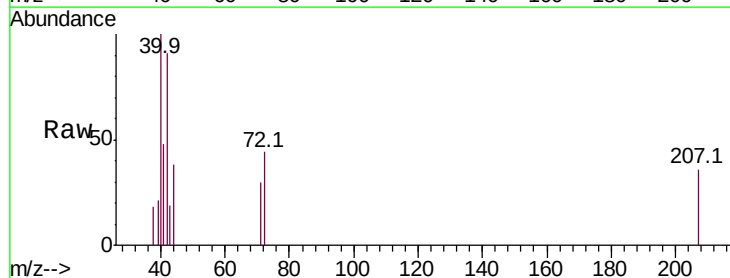
Instrument :
MSVOA_D
ClientSampleId :
R-LA-35-3-WC

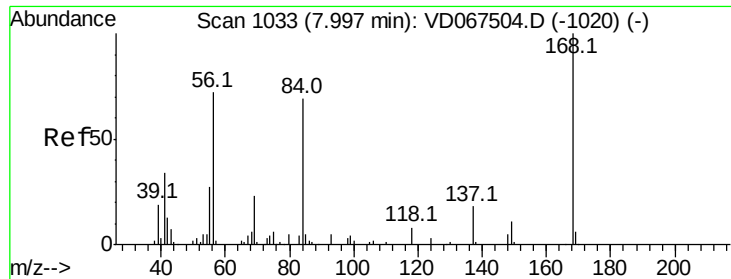
Tot Ion:	84	Resp:	5859
Ion	Ratio	Lower	Upper
84	100		
49	73.6	77.0	115.4#
51	26.7	25.4	38.2
86	54.0	49.4	74.0



#29
Tetrahydrofuran
Concen: 5.002 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Tgt Ion:	42	Resp:	1653
Ion	Ratio	Lower	Upper
42	100		
72	36.8	46.3	69.5#
71	26.1	44.0	66.0#

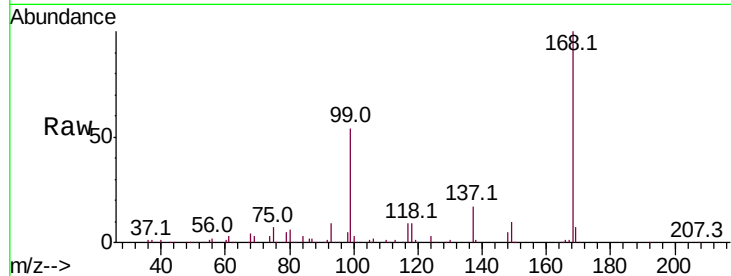




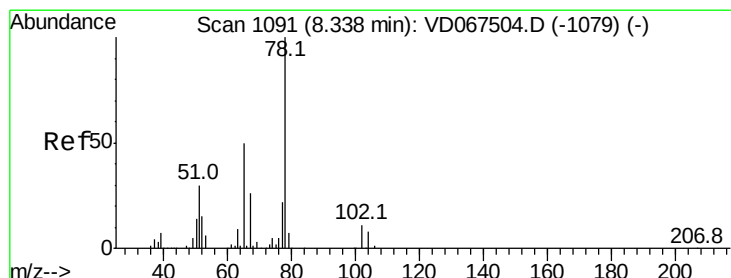
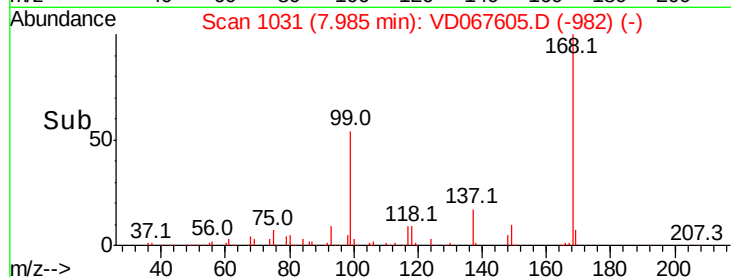
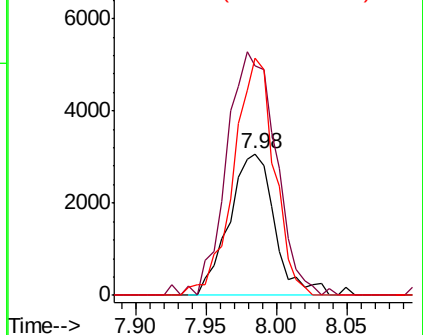
#31
Cyclohexane
Concen: 1.376 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Instrument :
MSVOA_D
ClientSampleId :
R-LA-35-3-WC

Tot Ion: 56 Resp: 6886
Ion Ratio Lower Upper
56 100
69 161.8 25.9 38.9#
84 167.7 76.2 114.4#

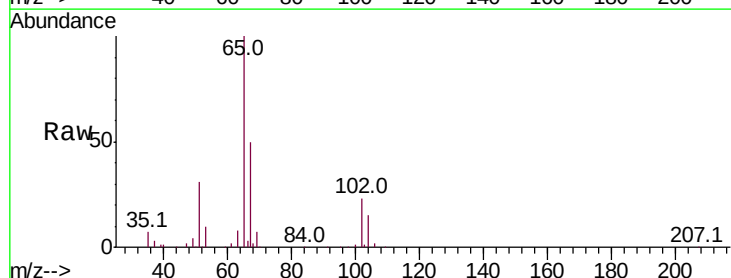


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

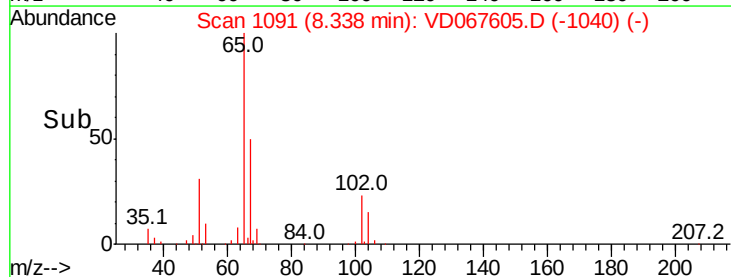
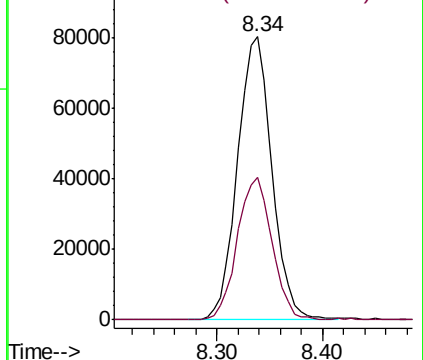


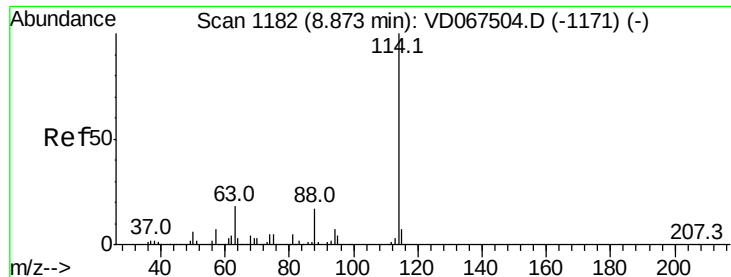
#33
1,2-Dichloroethane-d4
Concen: 52.462 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Tgt Ion: 65 Resp: 181020
Ion Ratio Lower Upper
65 100
67 50.9 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067605.D

Acq: 11 Nov 2020 16:30

Instrument :

MSVOA_D

ClientSampleId :

R-LA-35-3-WC

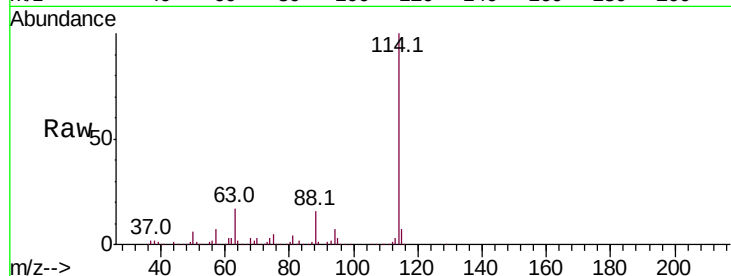
Tot Ion:114 Resp: 642079

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

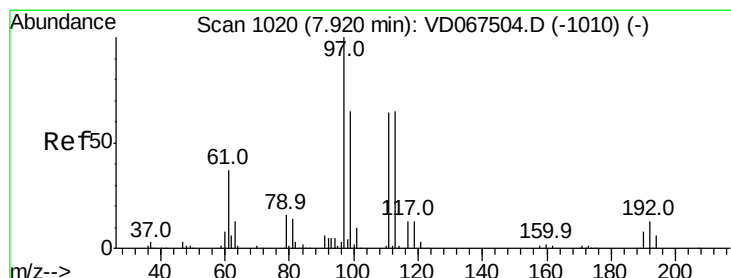
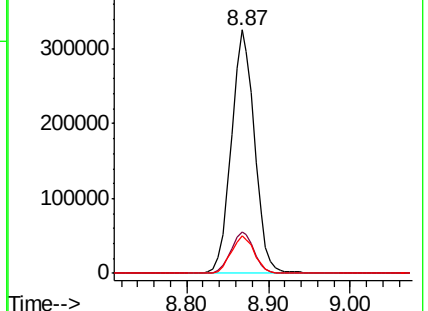
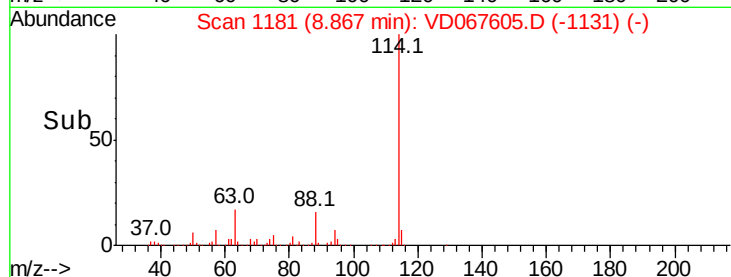
88 15.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.497 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD067605.D

Acq: 11 Nov 2020 16:30

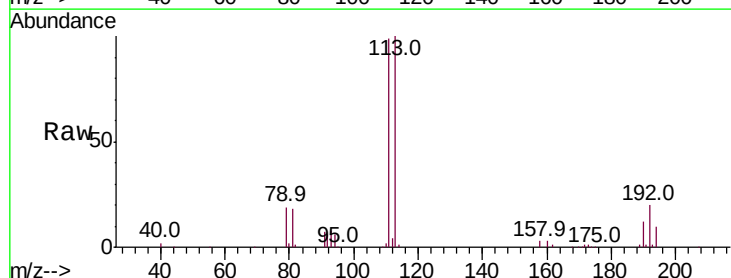
Tgt Ion:113 Resp: 199218

Ion Ratio Lower Upper

113 100

111 101.8 80.0 120.0

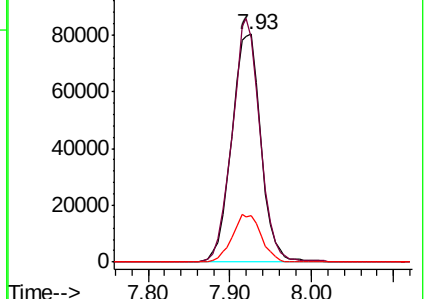
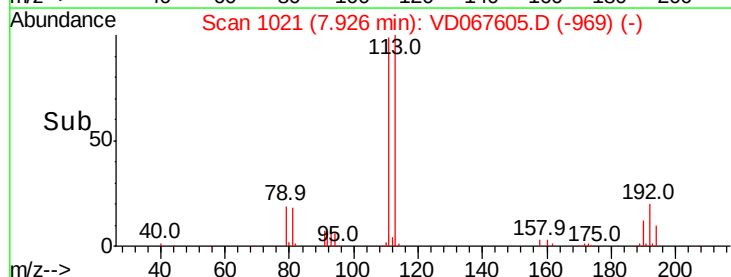
192 20.7 16.3 24.5

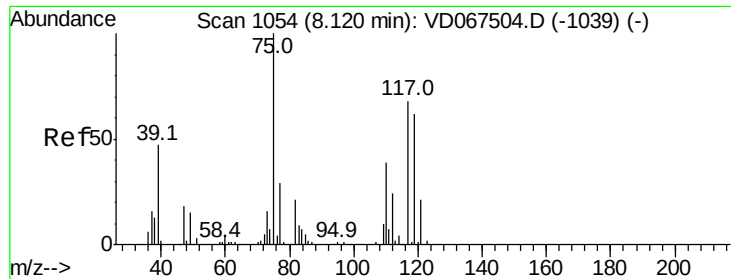


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

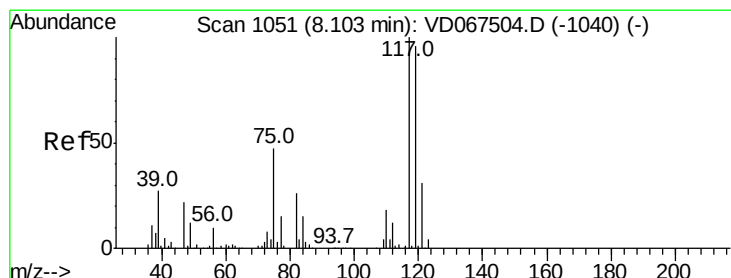
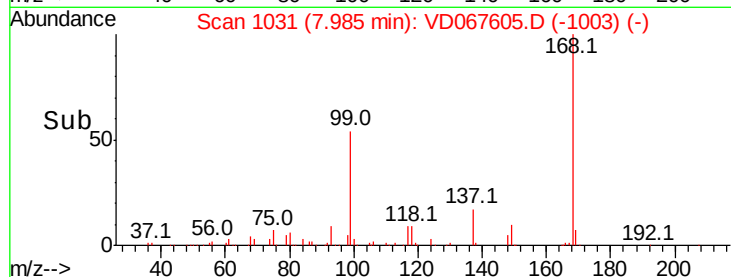
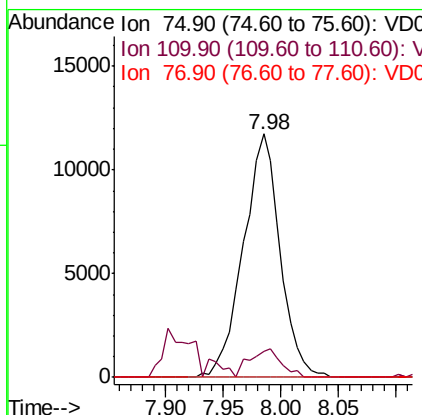
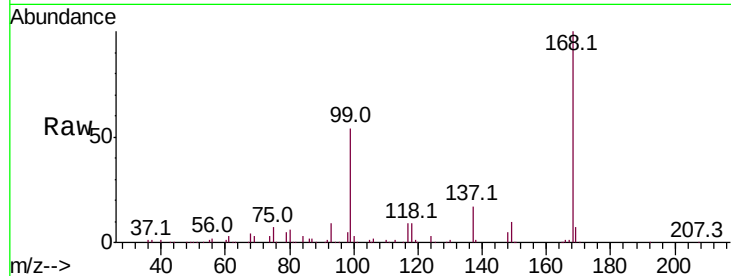




#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067605.D
 Acq: 11 Nov 2020 16:30

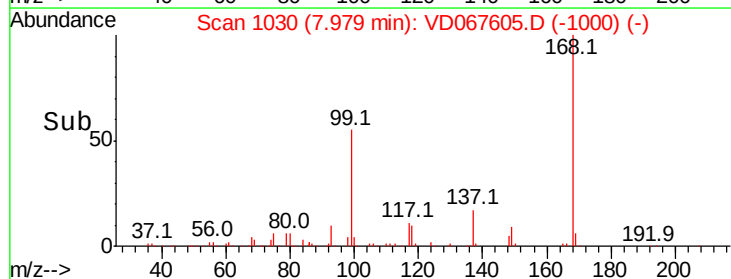
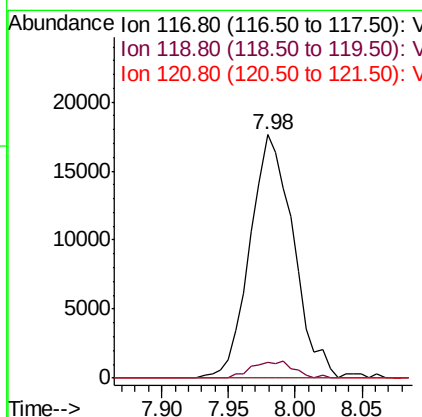
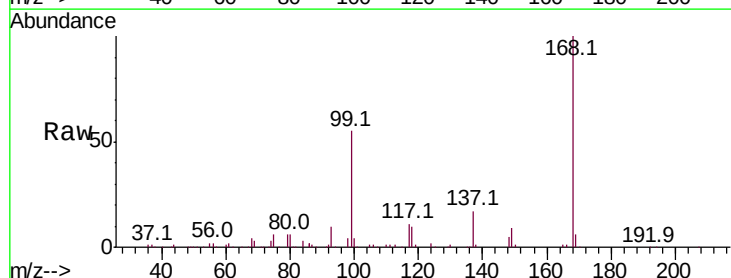
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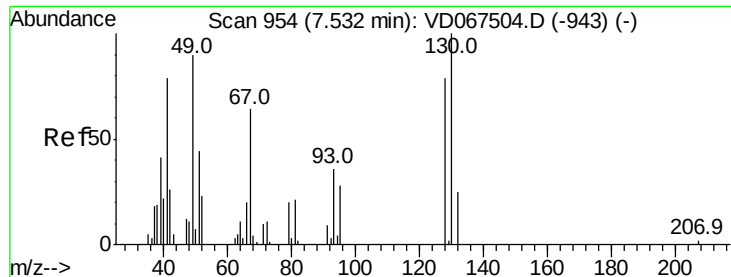
Tot Ion: 75 Resp: 25887
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.9 59.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.541 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067605.D
 Acq: 11 Nov 2020 16:30

Tgt Ion: 117 Resp: 39566
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.9 115.3#
 121 0.0 24.5 36.7#

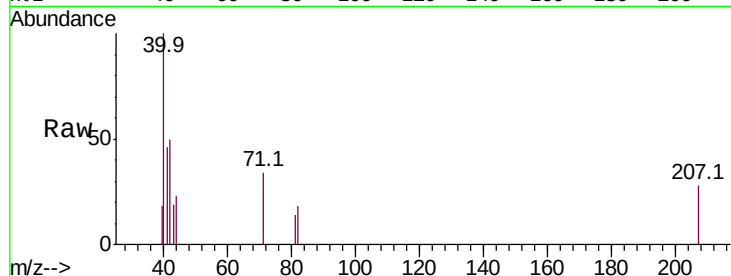




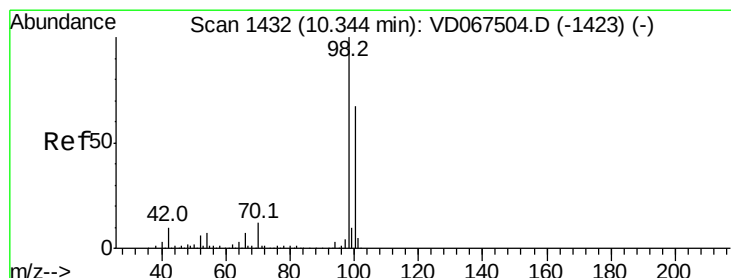
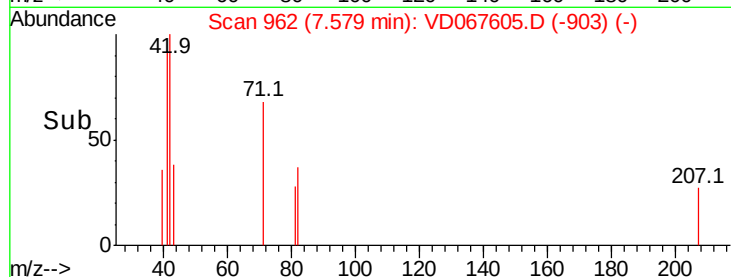
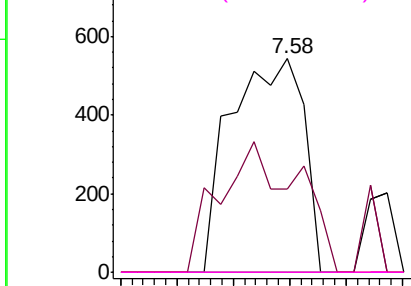
#41
Methacrylonitrile
Concen: 1.144 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.05 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Instrument :
MSVOA_D
ClientSampleId :
R-LA-35-3-WC

Tot Ion: 41 Resp: 976
Ion Ratio Lower Upper
41 100
39 65.8 51.3 76.9
67 0.0 78.9 118.3#
52 0.0 31.4 47.2#

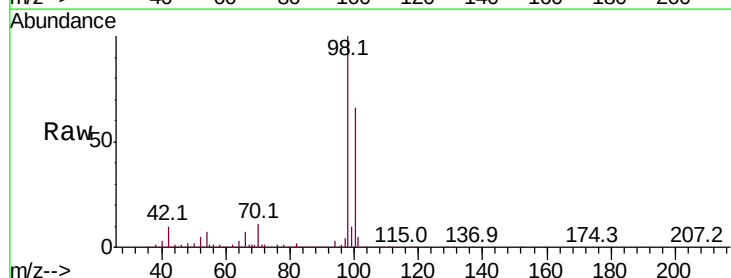


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

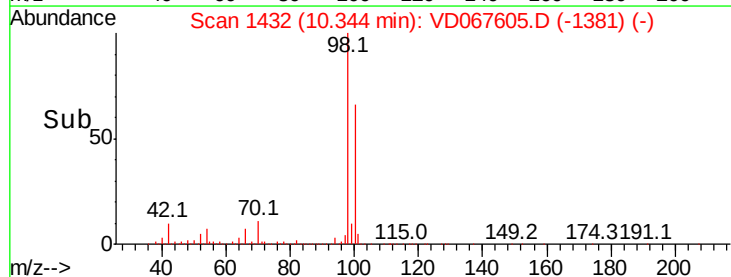
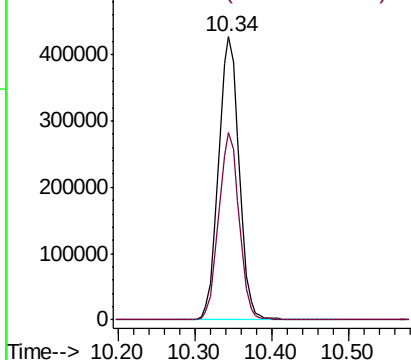


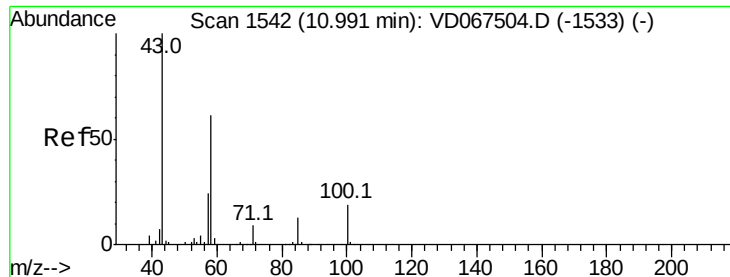
#50
Toluene-d8
Concen: 57.987 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Tgt Ion: 98 Resp: 788320
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



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

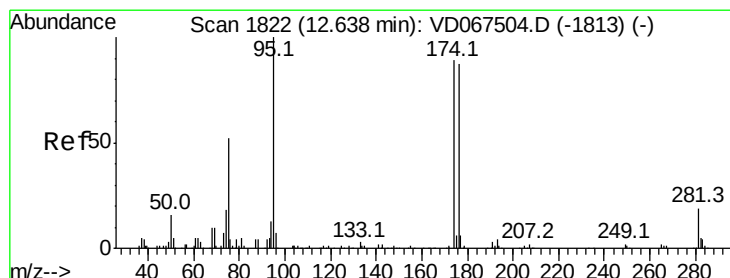
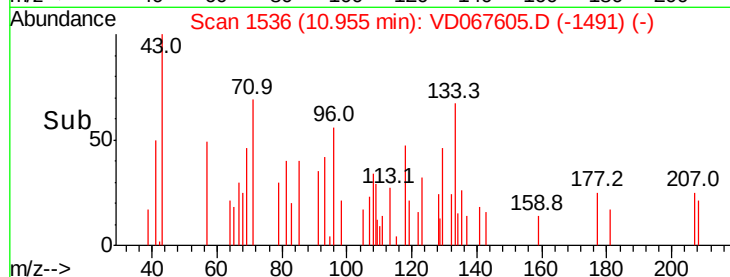
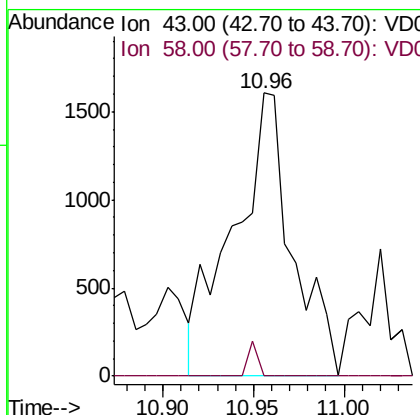
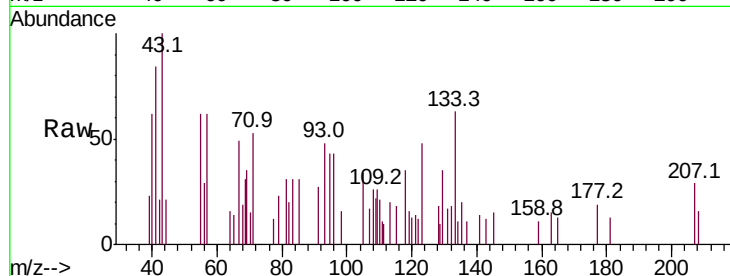




#59
2-Hexanone
Concen: 3.856 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.04 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

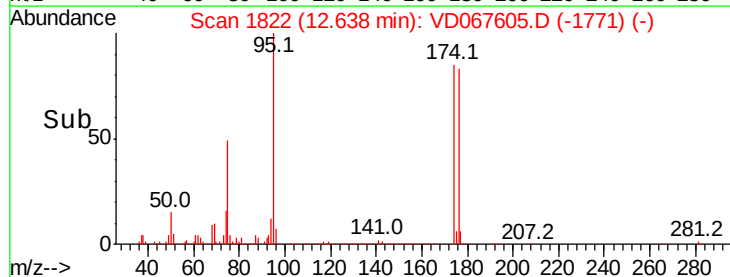
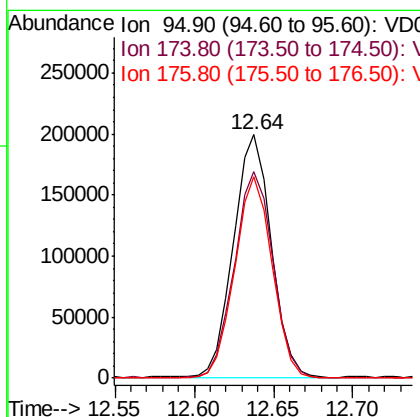
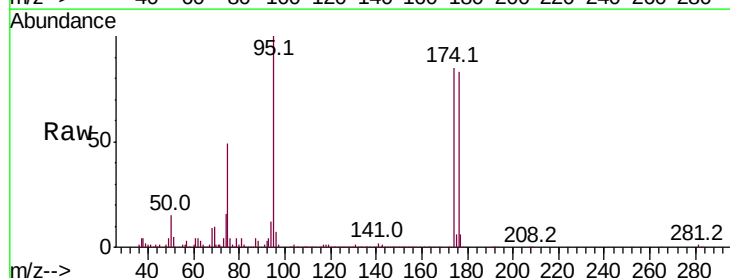
Instrument :
MSVOA_D
ClientSampleId :
R-LA-35-3-WC

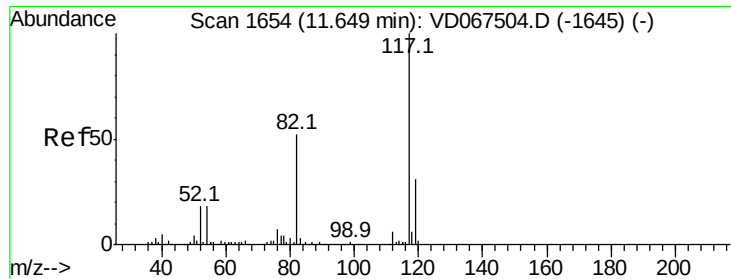
Tot Ion: 43 Resp: 3639
Ion Ratio Lower Upper
43 100
58 2.0 30.3 90.9#



#62
4-Bromofluorobenzene
Concen: 69.870 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Tgt Ion: 95 Resp: 327941
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.8
176 82.2 0.0 172.0

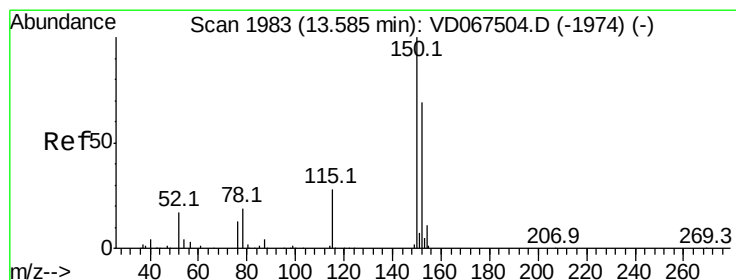
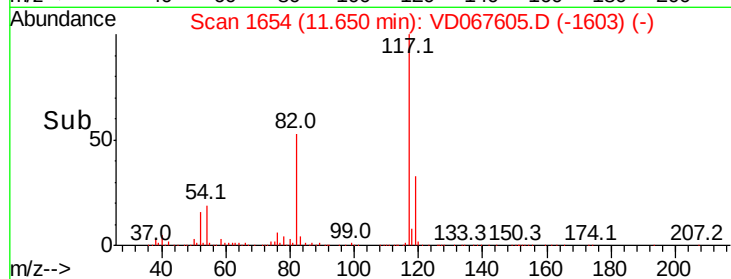
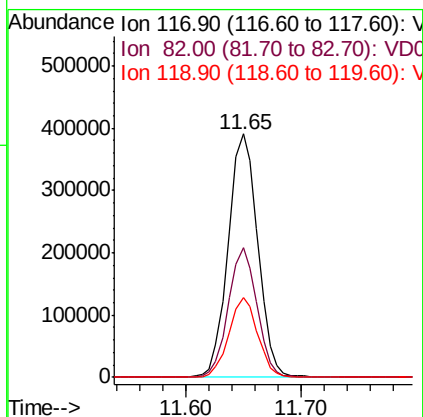
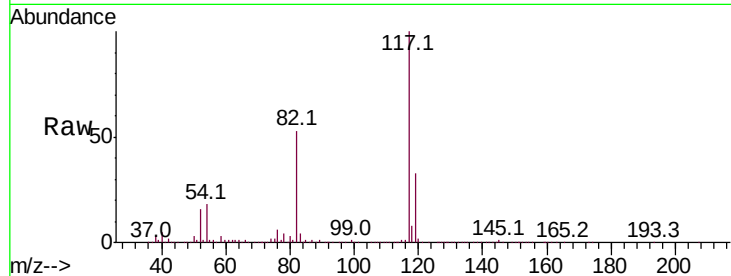




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

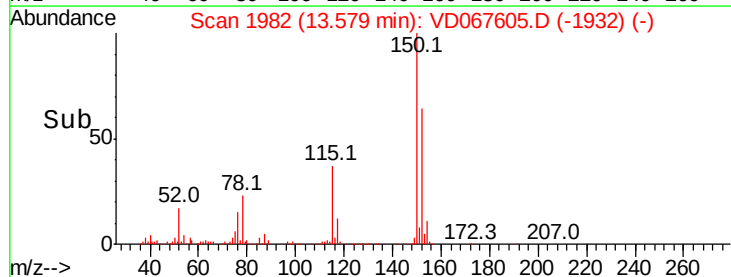
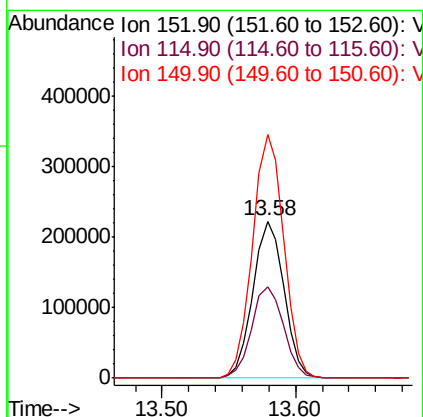
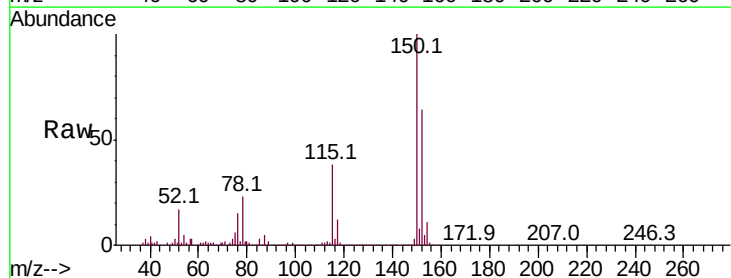
Instrument :
MSVOA_D
ClientSampleId :
R-LA-35-3-WC

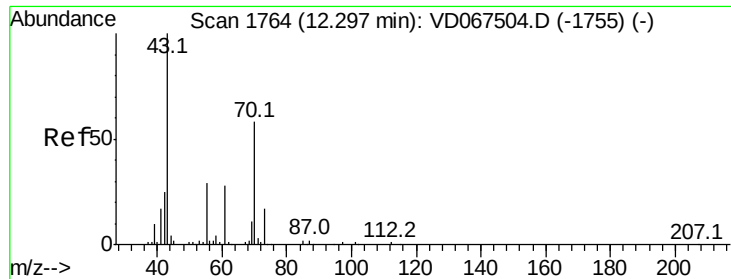
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.6	62.4
119	32.8	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067605.D
Acq: 11 Nov 2020 16:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.3	88.0
150	156.9	0.0	338.2





#74

N-amvl acetate

Concen: 2.588 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.03 min

Lab File: VD067605.D

Acq: 11 Nov 2020 16:30

Instrument :

MSVOA_D

ClientSampleId :

R-LA-35-3-WC

Tot Ion: 43 Resp: 7815

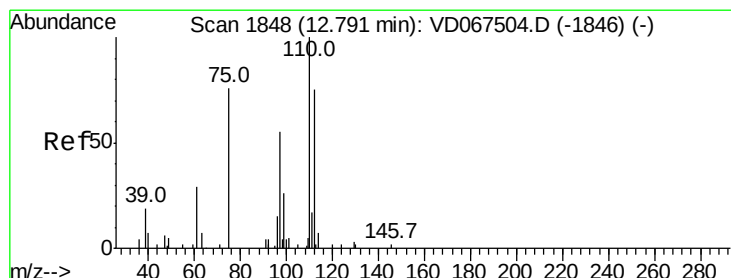
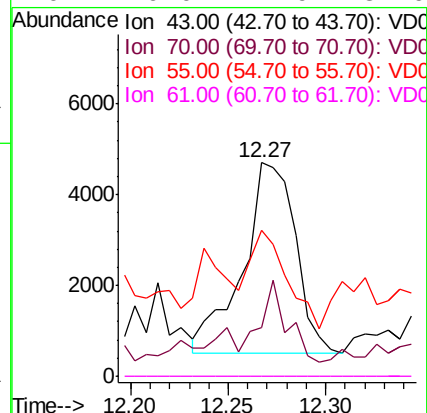
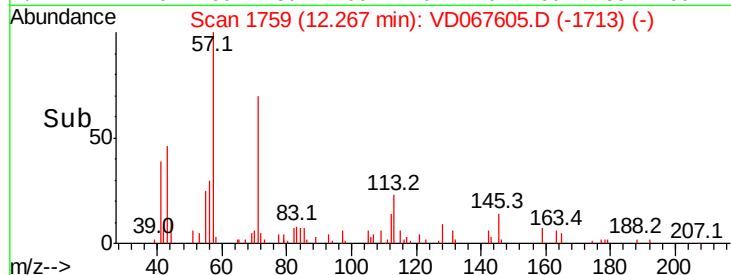
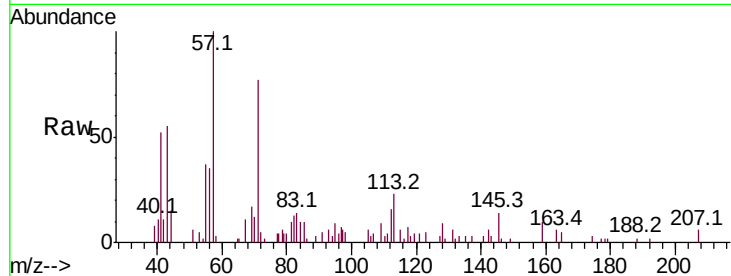
Ion Ratio Lower Upper

43 100

70 22.2 42.6 64.0#

55 36.3 23.7 35.5#

61 0.0 21.9 32.9#



#76

1,2,3-Trichloropropane

Concen: 74.657 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067605.D

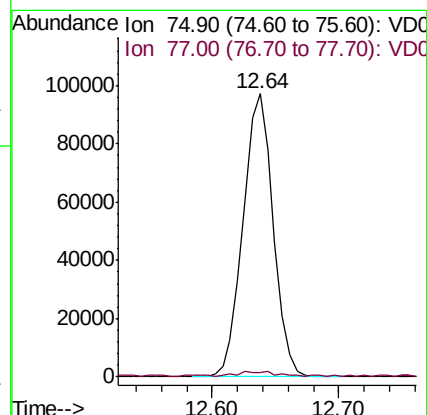
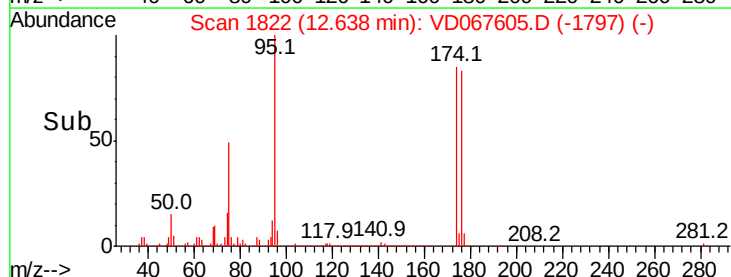
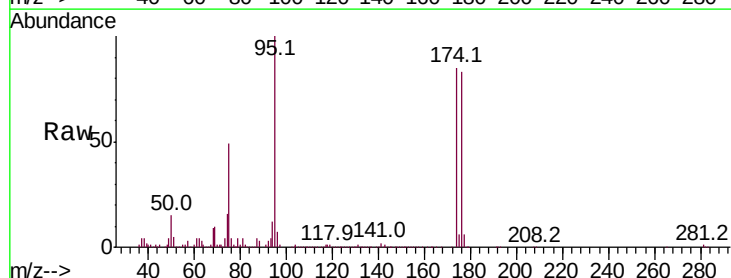
Acq: 11 Nov 2020 16:30

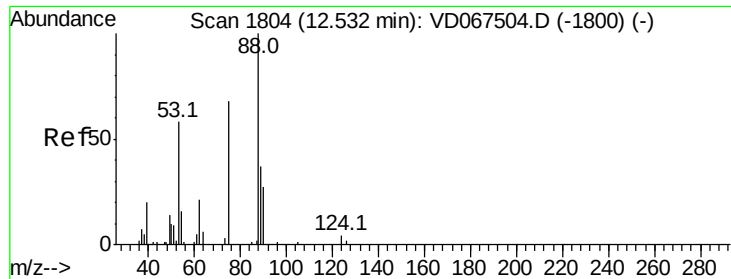
Tgt Ion: 75 Resp: 159930

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 151.574 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067605.D

Acq: 11 Nov 2020 16:30

Instrument :

MSVOA_D

ClientSampleId :

R-LA-35-3-WC

Tot Ion: 75 Resp: 159930

Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

89 0.1 44.6 67.0#

