

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067699.D
 Acq On : 19 Nov 2020 10:56
 Operator : VA/SY
 Sample : VD1119SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBL01

Quant Time: Nov 20 00:28:35 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	256364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	408318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	363030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	172588	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	116810	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
35) Dibromofluoromethane	7.91	113	113184	46.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.02%	
50) Toluene-d8	10.34	98	384632	44.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.98%	
62) 4-Bromofluorobenzene	12.64	95	128428	43.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.06%	

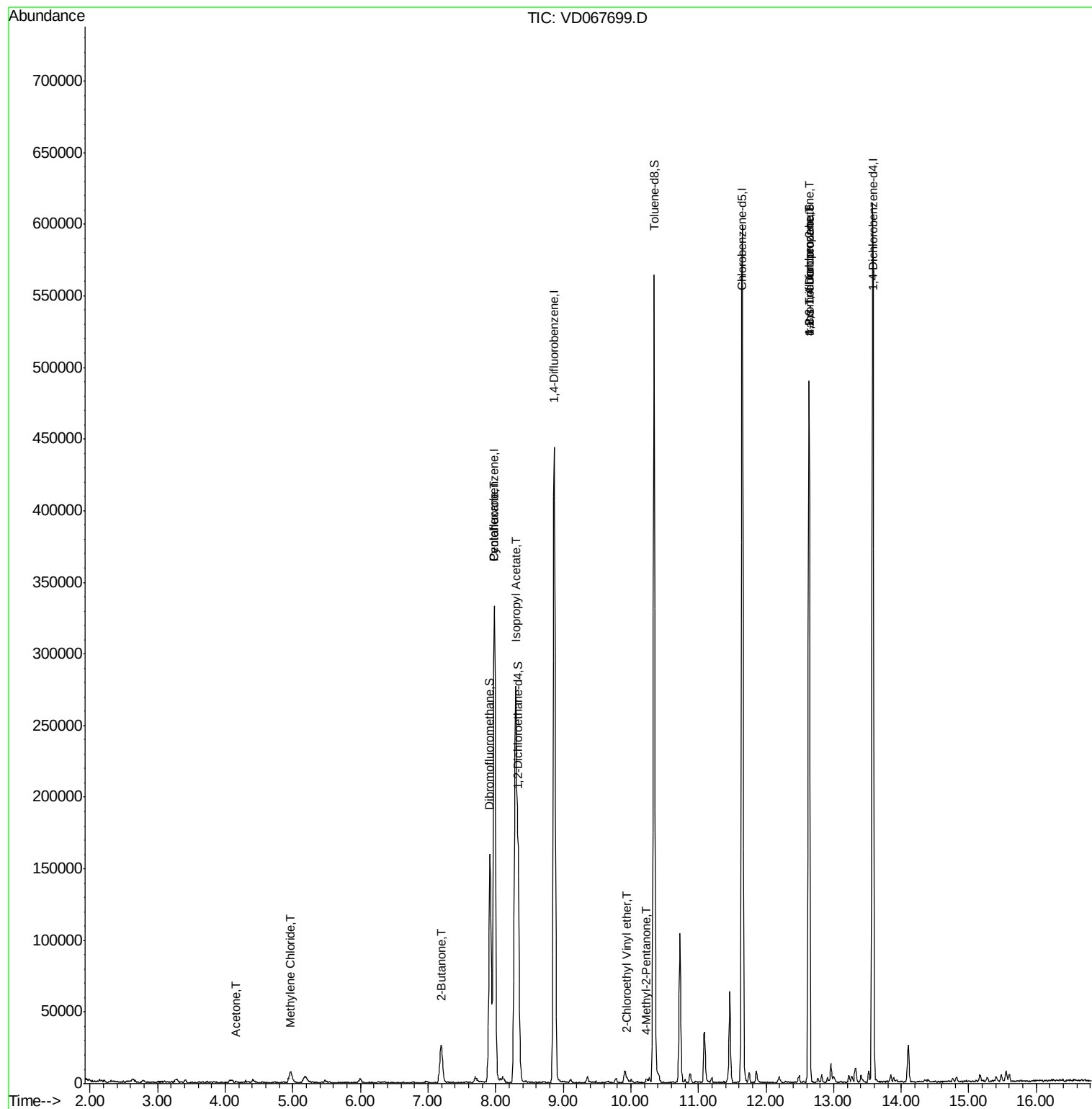
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1041	Below Cal		77
11) Tert butyl alcohol	5.25	59	335	Below Cal	#	79
16) Acetone	4.16	43	1416	4.221	ug/l #	43
20) Methylene Chloride	4.96	84	6580	2.777	ug/l #	84
25) 2-Butanone	7.20	43	1145	3.194	ug/l	93
31) Cyclohexane	7.99	56	6131	1.886	ug/l #	21
43) Isopropyl Acetate	8.29	43	5945	3.313	ug/l #	48
51) 4-Methyl-2-Pentanone	10.23	43	2334	2.719	ug/l #	68
58) 2-Chloroethyl Vinyl ether	9.95	63	1694	2.043	ug/l	93
76) 1,2,3-Trichloropropane	12.64	75	69598	66.847	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	69598	135.718	ug/l #	10

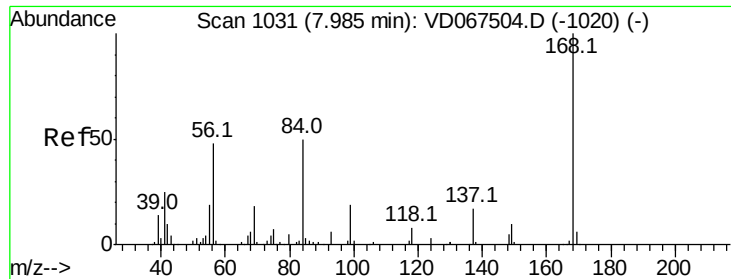
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067699.D

Acq: 19 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

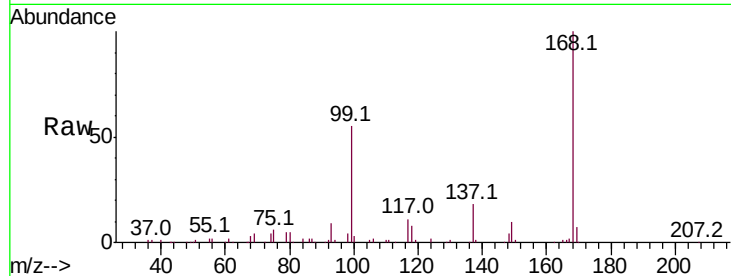
VD1119SBL01

Tot Ion:168 Resp: 256364

Ion Ratio Lower Upper

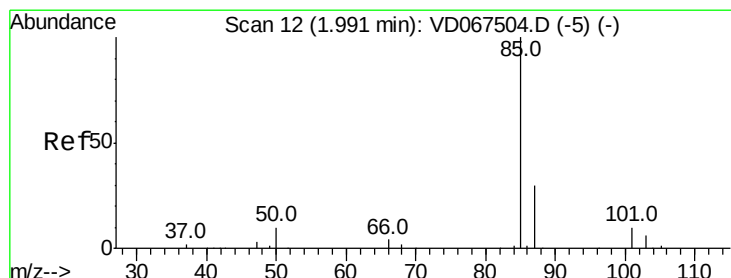
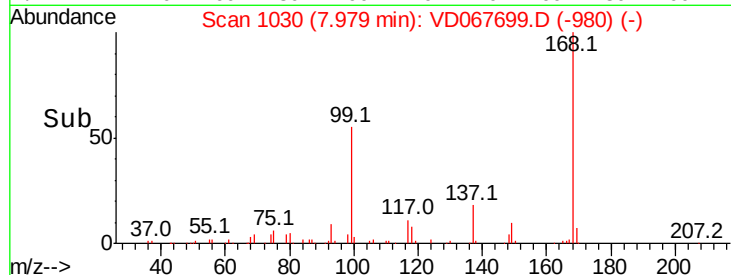
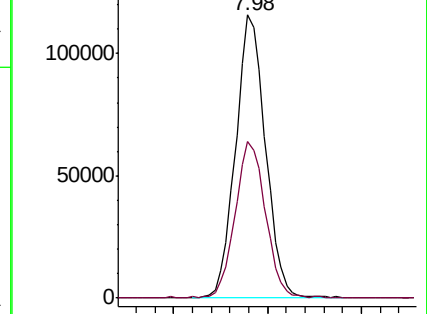
168 100

99 54.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067699.D

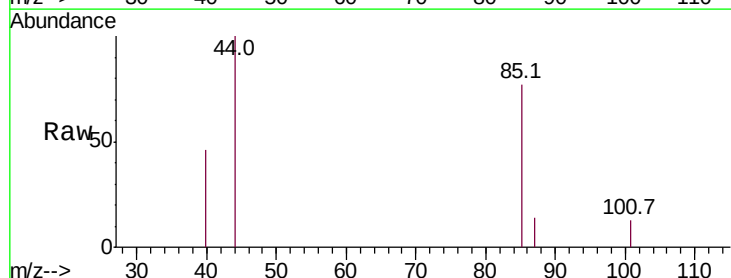
Acq: 19 Nov 2020 10:56

Tgt Ion: 85 Resp: 1041

Ion Ratio Lower Upper

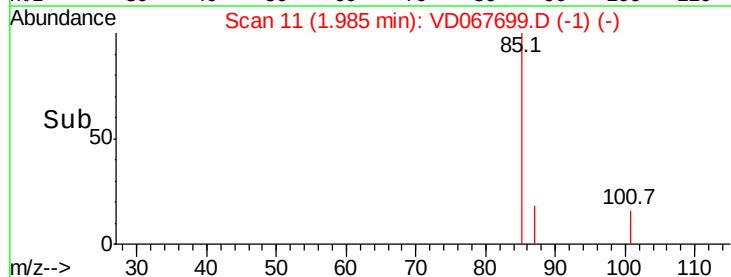
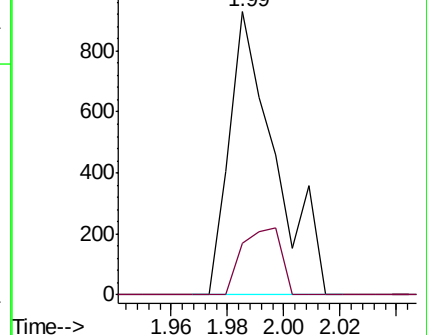
85 100

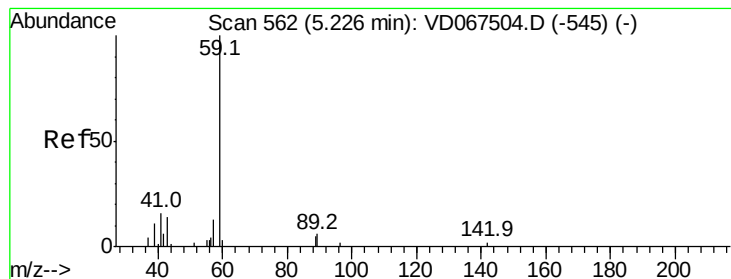
87 18.1 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



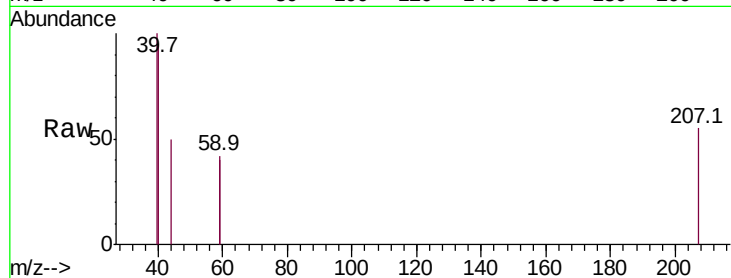


#11

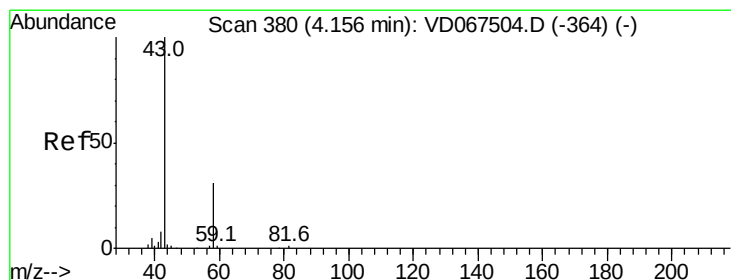
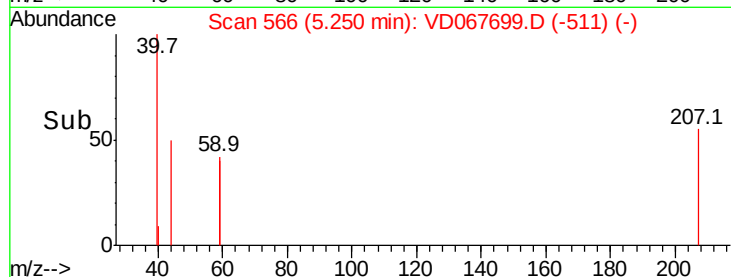
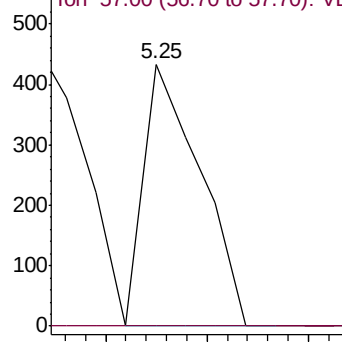
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 566
 Delta R.T. 0.02 min
 Lab File: VD067699.D
 Acq: 19 Nov 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBL01

Tot Ion: 59 Resp: 335
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#



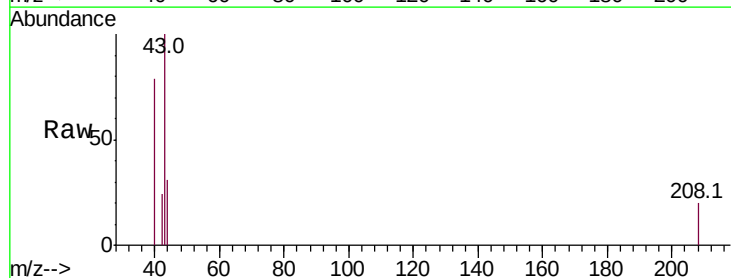
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



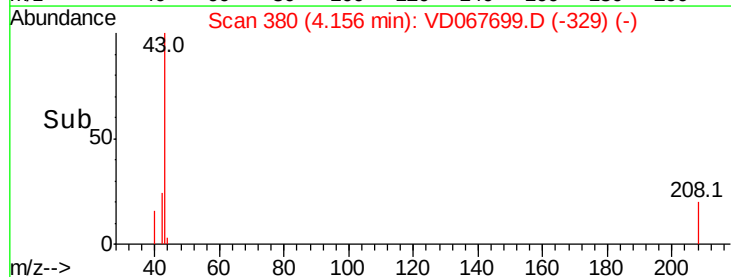
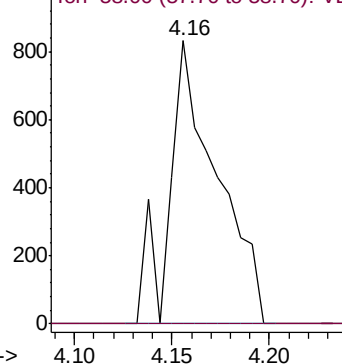
#16

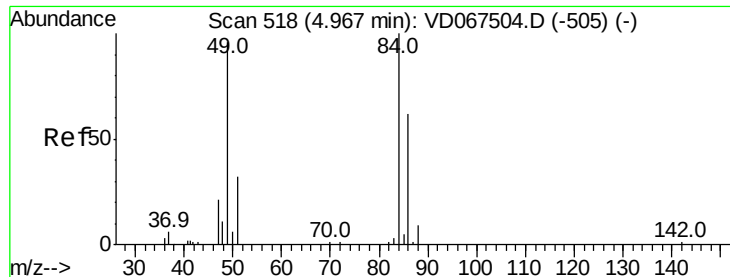
Acetone
 Concen: 4.221 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD067699.D
 Acq: 19 Nov 2020 10:56

Tgt Ion: 43 Resp: 1416
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.2 37.8#



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

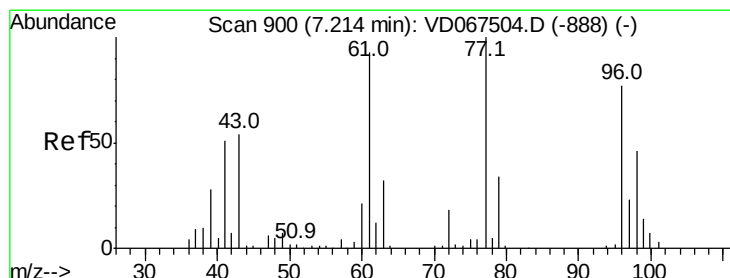
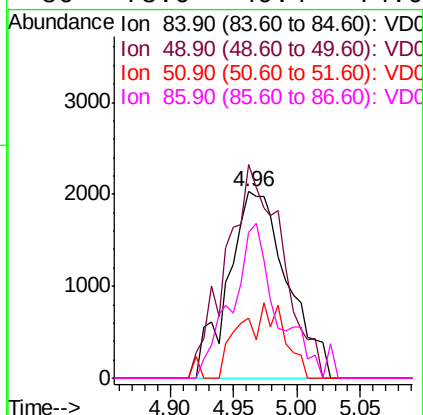
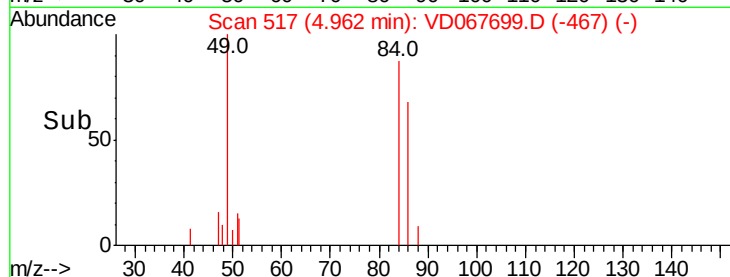
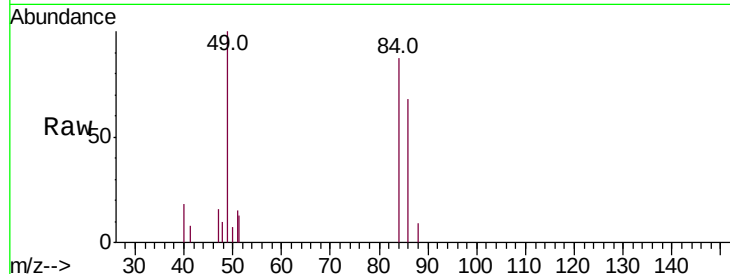




#20
Methylene Chloride
Concen: 2.777 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067699.D
Acq: 19 Nov 2020 10:56

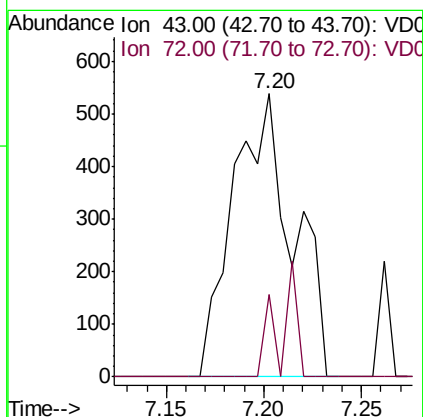
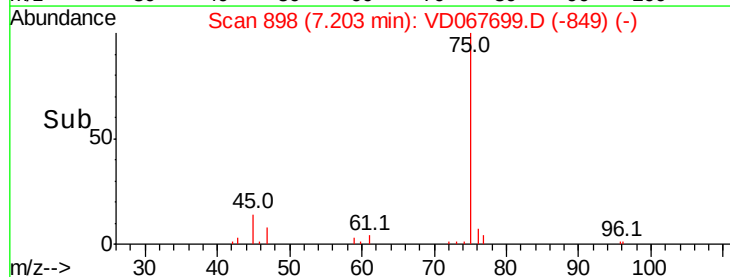
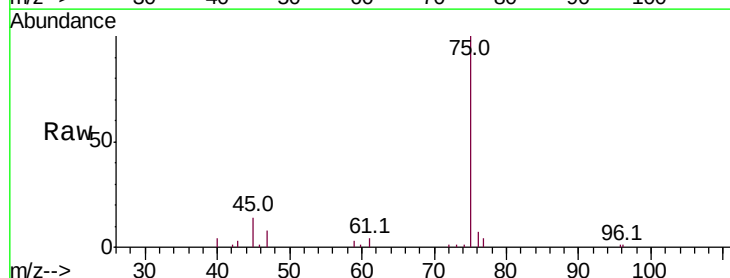
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

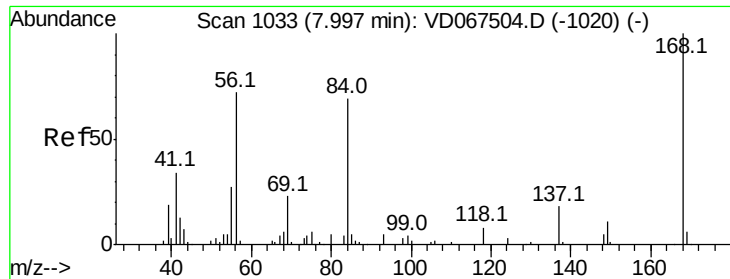
Tot Ion: 84 Resp: 6580
Ion Ratio Lower Upper
84 100
49 114.4 77.0 115.4
51 32.2 25.4 38.2
86 78.0 49.4 74.0#



#25
2-Butanone
Concen: 3.194 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067699.D
Acq: 19 Nov 2020 10:56

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
72 29.0 26.4 39.6

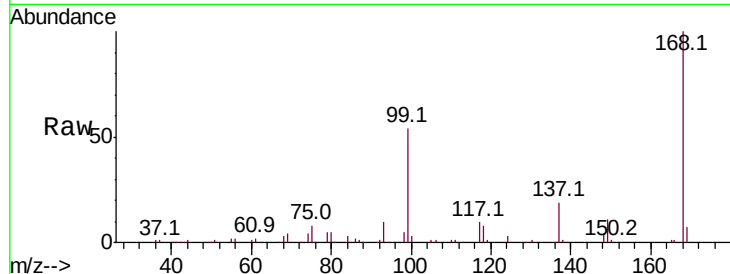




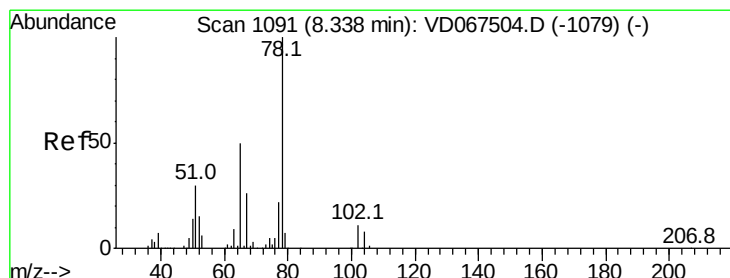
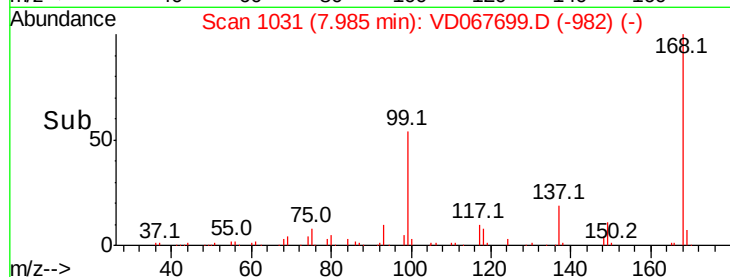
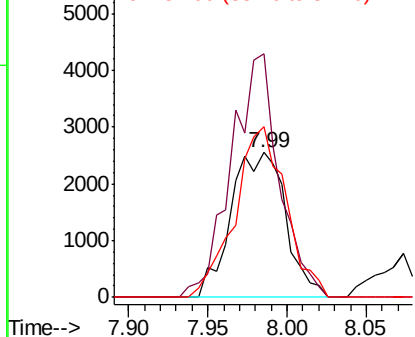
#31
Cyclohexane
Concen: 1.886 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067699.D
Acq: 19 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

Tot Ion: 56 Resp: 6131
Ion Ratio Lower Upper
56 100
69 168.4 25.9 38.9#
84 118.0 76.2 114.4#

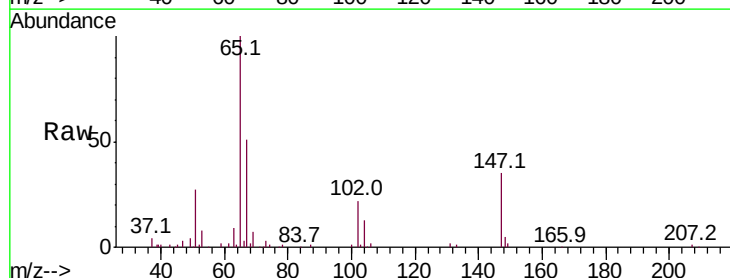


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

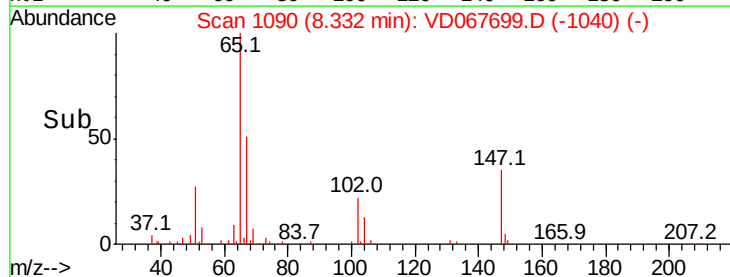
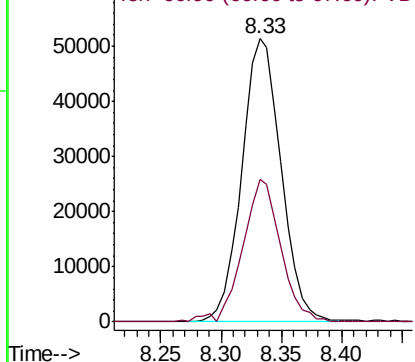


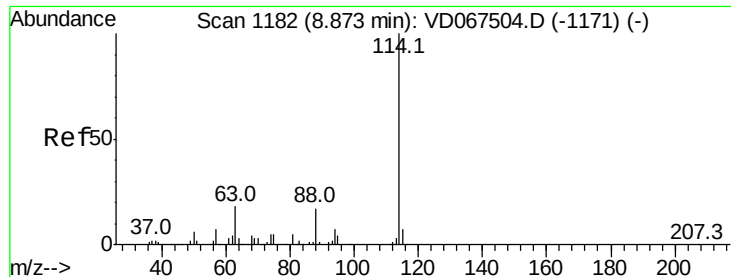
#33
1,2-Dichloroethane-d4
Concen: 52.110 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067699.D
Acq: 19 Nov 2020 10:56

Tgt Ion: 65 Resp: 116810
Ion Ratio Lower Upper
65 100
67 48.8 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: VD067699.D

Acq: 19 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBL01

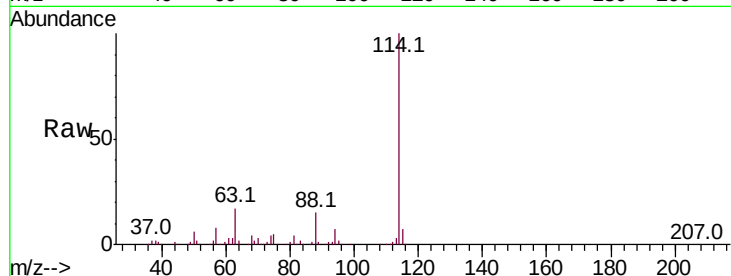
Tot Ion:114 Resp: 408318

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

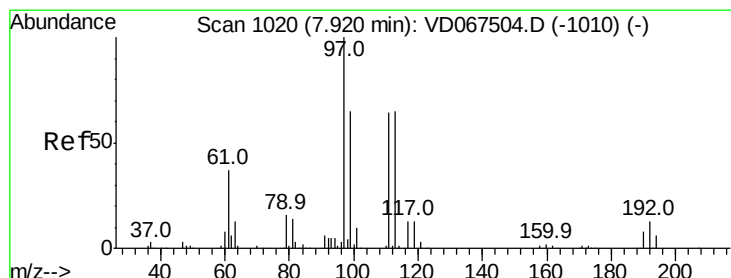
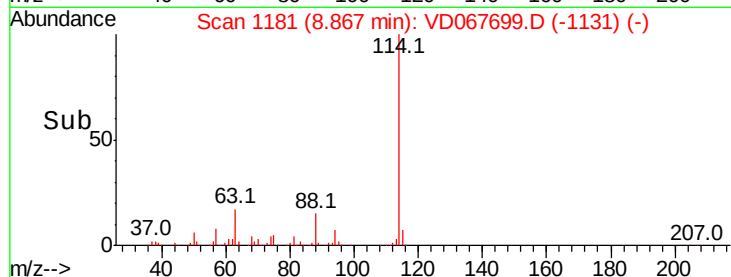
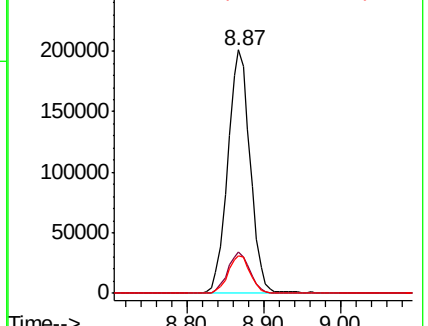
88 15.3 0.0 33.0



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: 46.008 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067699.D

Acq: 19 Nov 2020 10:56

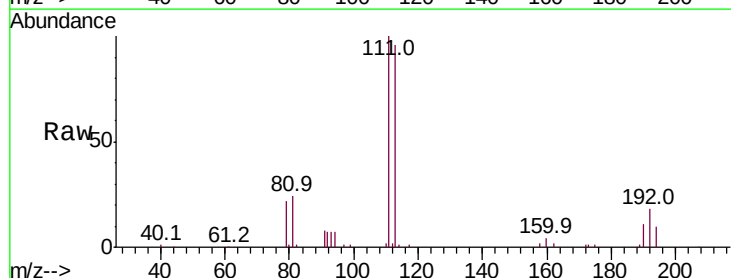
Tgt Ion:113 Resp: 113184

Ion Ratio Lower Upper

113 100

111 101.4 80.0 120.0

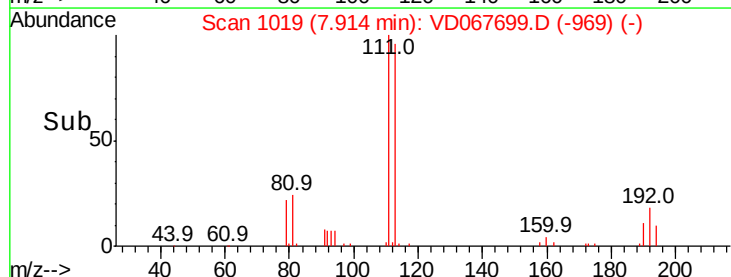
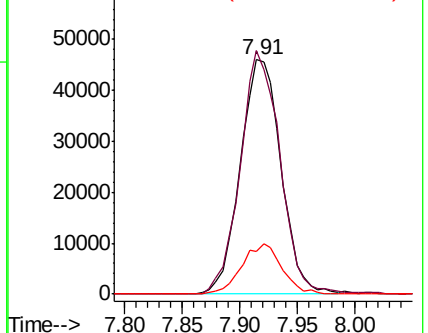
192 21.2 16.3 24.5

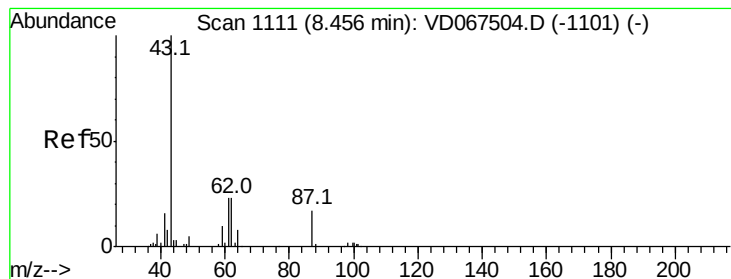


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.313 ug/l

RT: 8.29 min Scan# 1083

Delta R.T. -0.16 min

Lab File: VD067699.D

Acq: 19 Nov 2020 10:56

Instrument :

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ClientSampleId :

VD1119SBL01

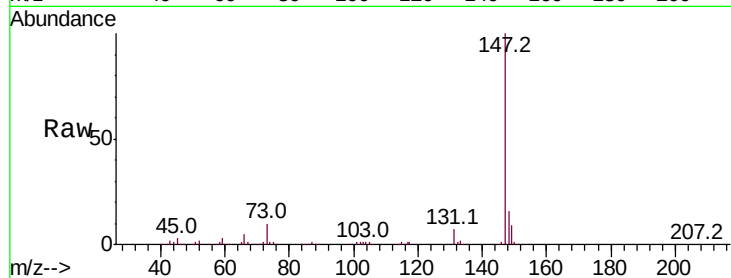
Tot Ion: 43 Resp: 5945

Ion Ratio Lower Upper

43 100

61 14.0 30.5 45.7#

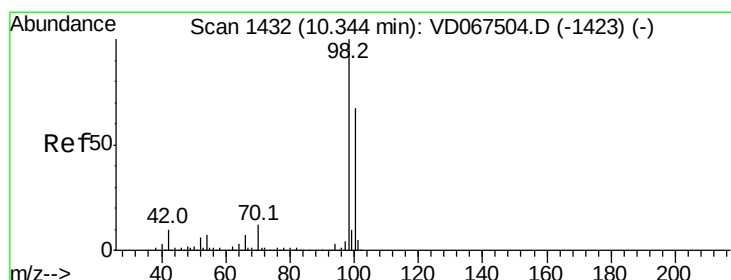
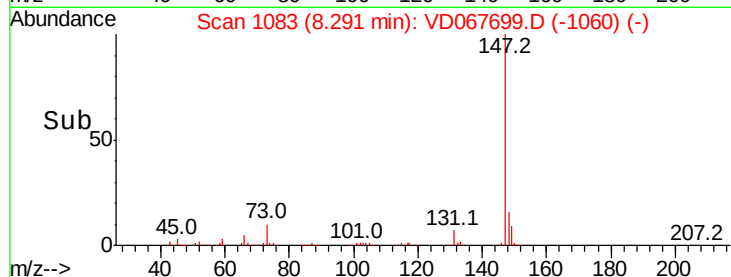
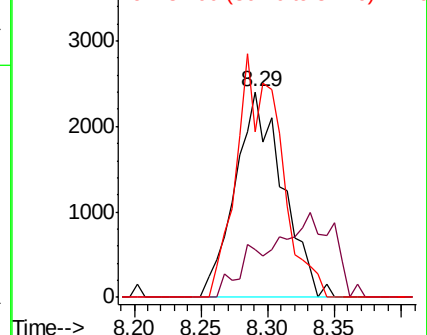
87 52.5 14.7 22.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 44.490 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067699.D

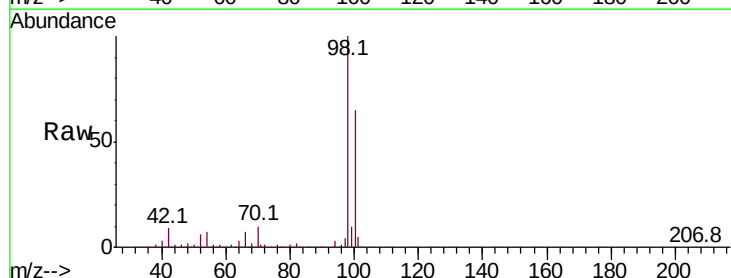
Acq: 19 Nov 2020 10:56

Tgt Ion: 98 Resp: 384632

Ion Ratio Lower Upper

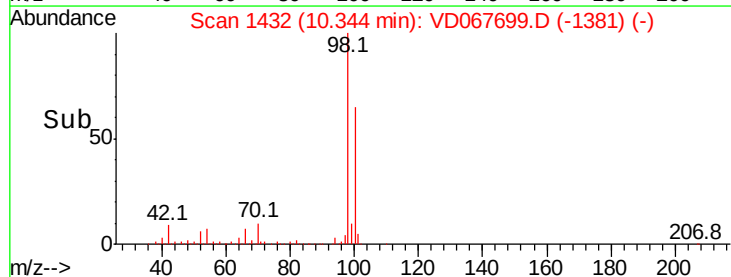
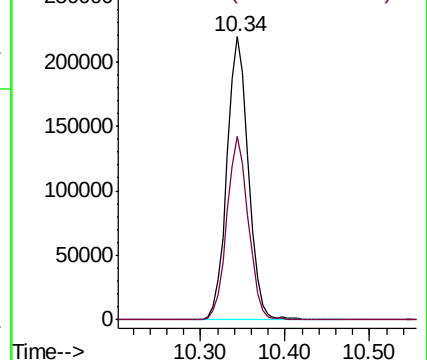
98 100

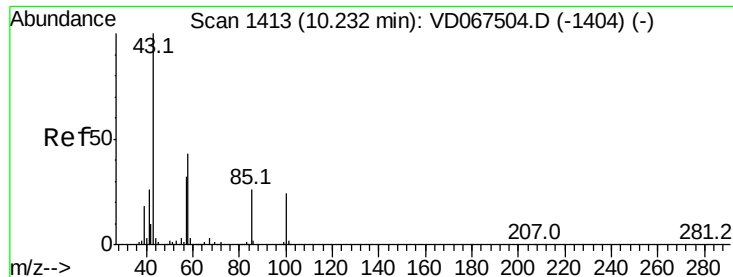
100 64.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 2.719 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD067699.D

Acq: 19 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

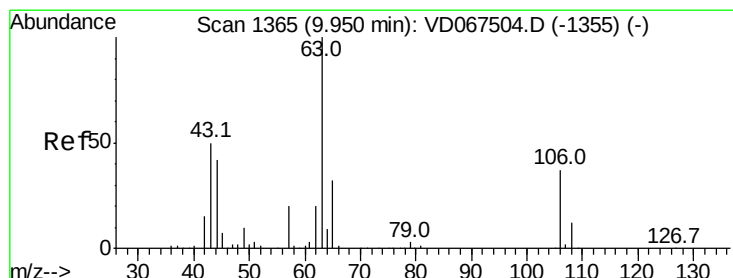
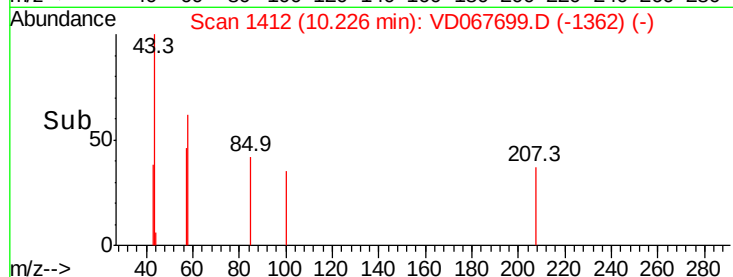
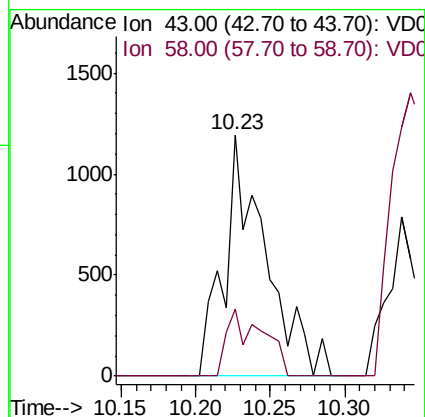
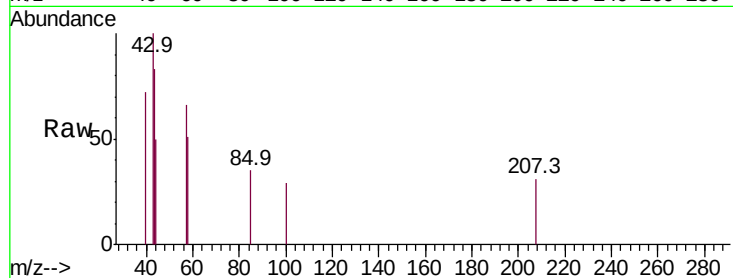
VD1119SBL01

Tot Ion: 43 Resp: 2334

Ion Ratio Lower Upper

43 100

58 23.6 35.6 53.4#



#58

2-Chloroethyl Vinyl ether

Concen: 2.043 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD067699.D

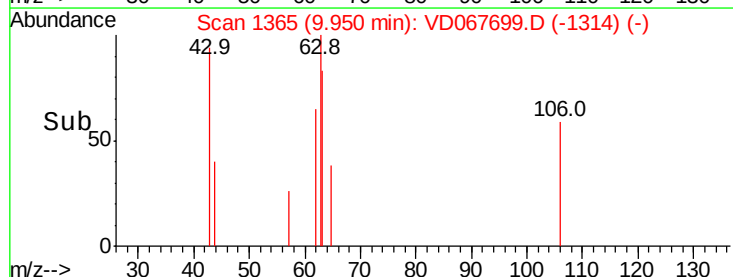
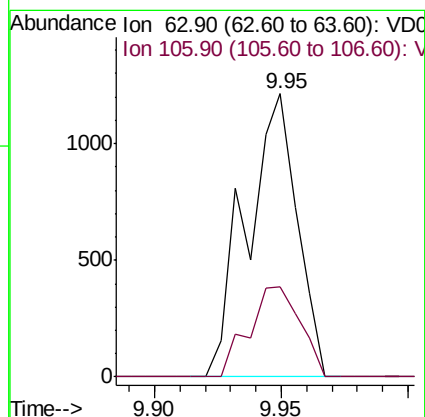
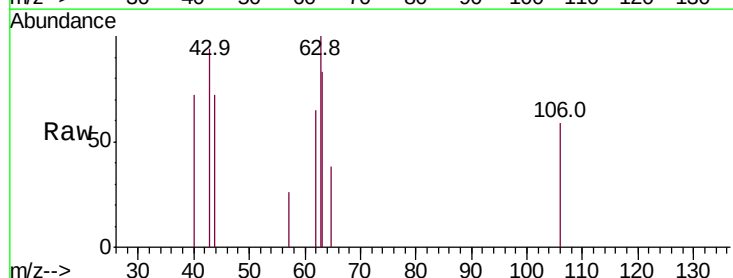
Acq: 19 Nov 2020 10:56

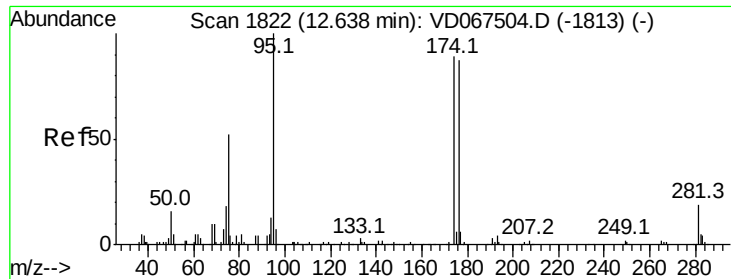
Tgt Ion: 63 Resp: 1694

Ion Ratio Lower Upper

63 100

106 32.5 29.2 43.8

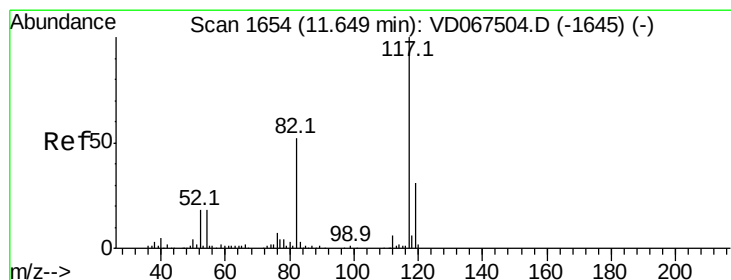
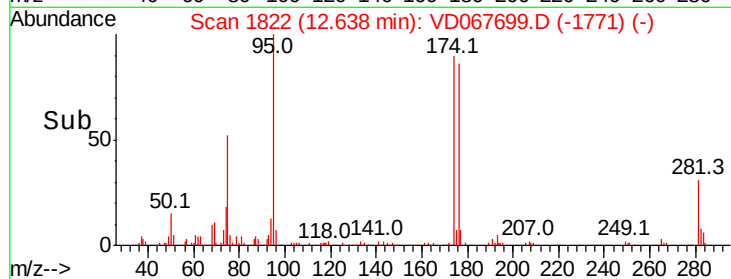
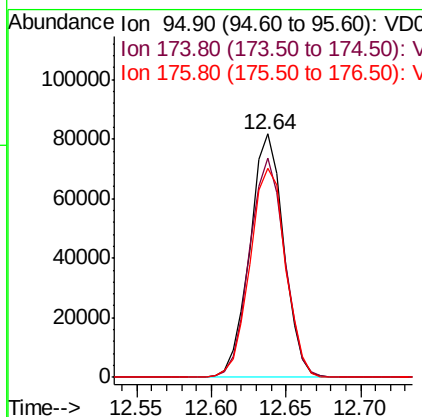
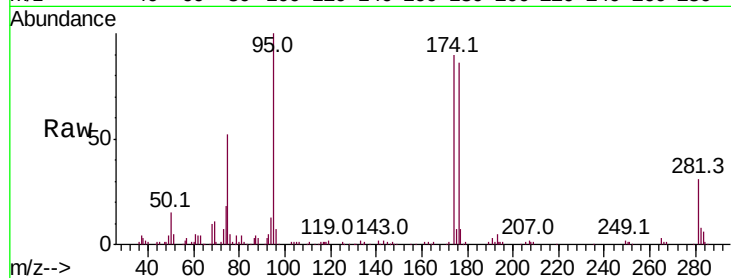




#62
4-Bromofluorobenzene
Concen: 43.028 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067699.D
Acq: 19 Nov 2020 10:56

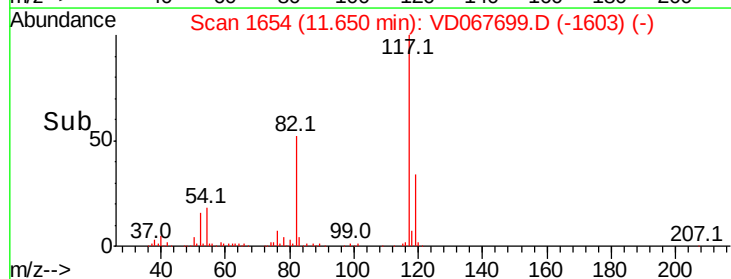
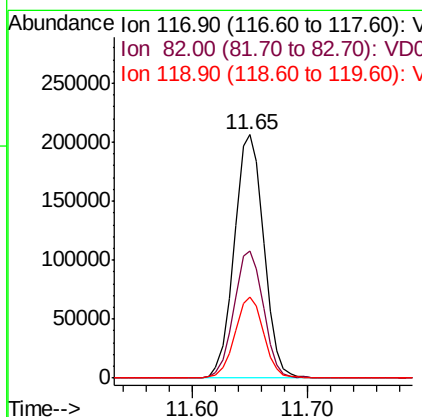
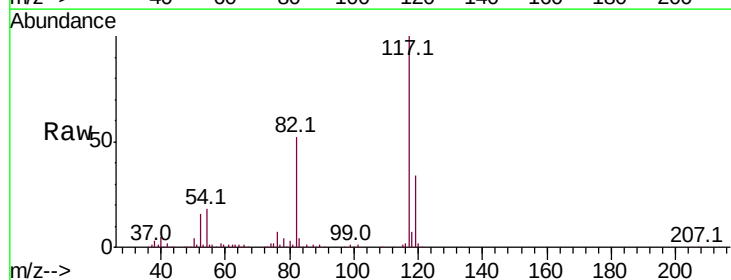
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

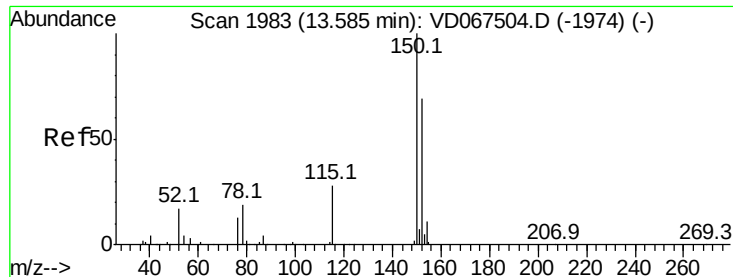
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	177.8
176	90.1	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067699.D
Acq: 19 Nov 2020 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.6	62.4
119	33.5	25.1	37.7



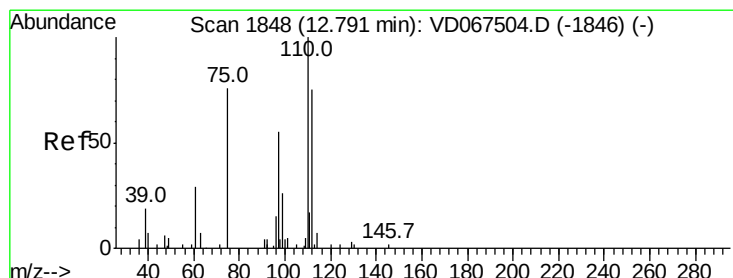
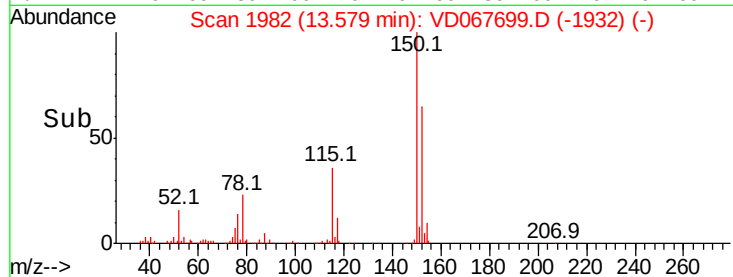
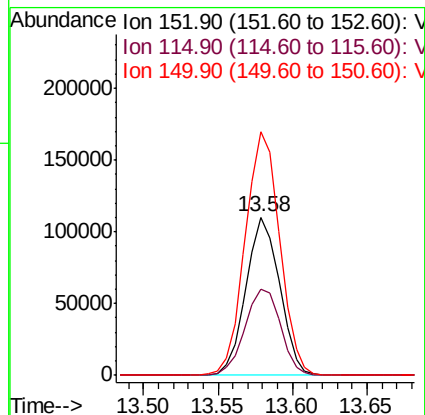
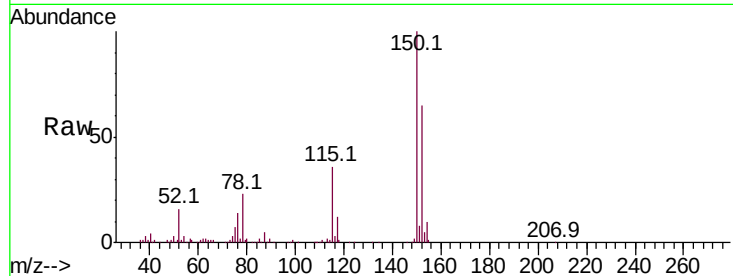


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067699.D
Acq: 19 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

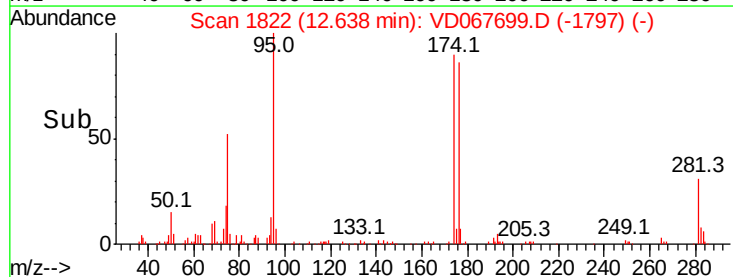
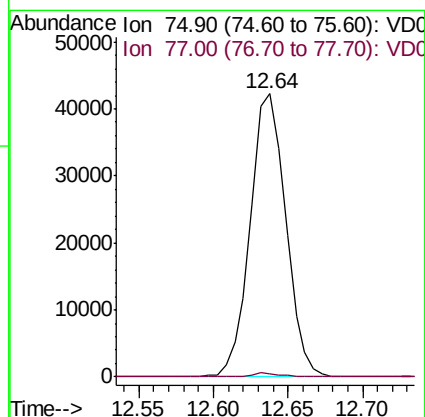
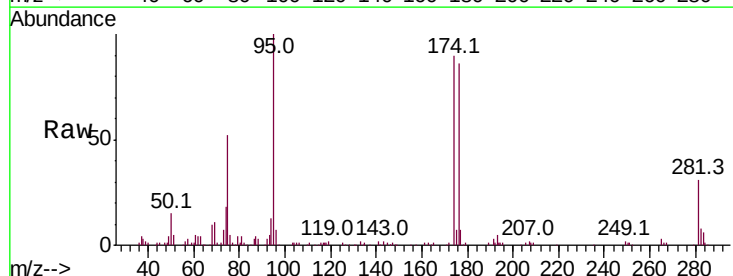
Tot Ion:152 Resp: 172588
Ion Ratio Lower Upper
152 100
115 57.6 29.3 88.0
150 157.5 0.0 338.2

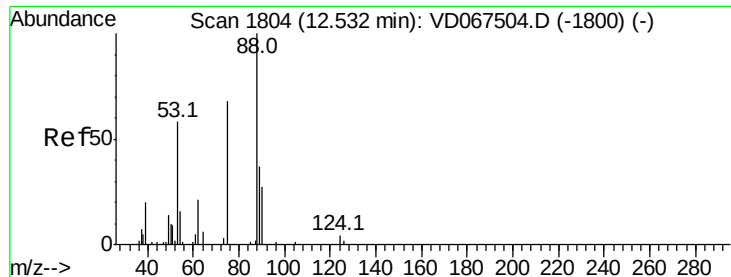


#76

1,2,3-Trichloropropane
Concen: 66.847 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067699.D
Acq: 19 Nov 2020 10:56

Tgt Ion: 75 Resp: 69598
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.718 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067699.D

Acq: 19 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBL01

Tot Ion: 75 Resp: 69598

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.4 44.6 67.0#

