

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067585.D
 Acq On : 10 Nov 2020 16:28
 Operator : VA/SY
 Sample : L4700-01
 Misc : 6.75G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-38-2-WC

Quant Time: Nov 11 00:05:26 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

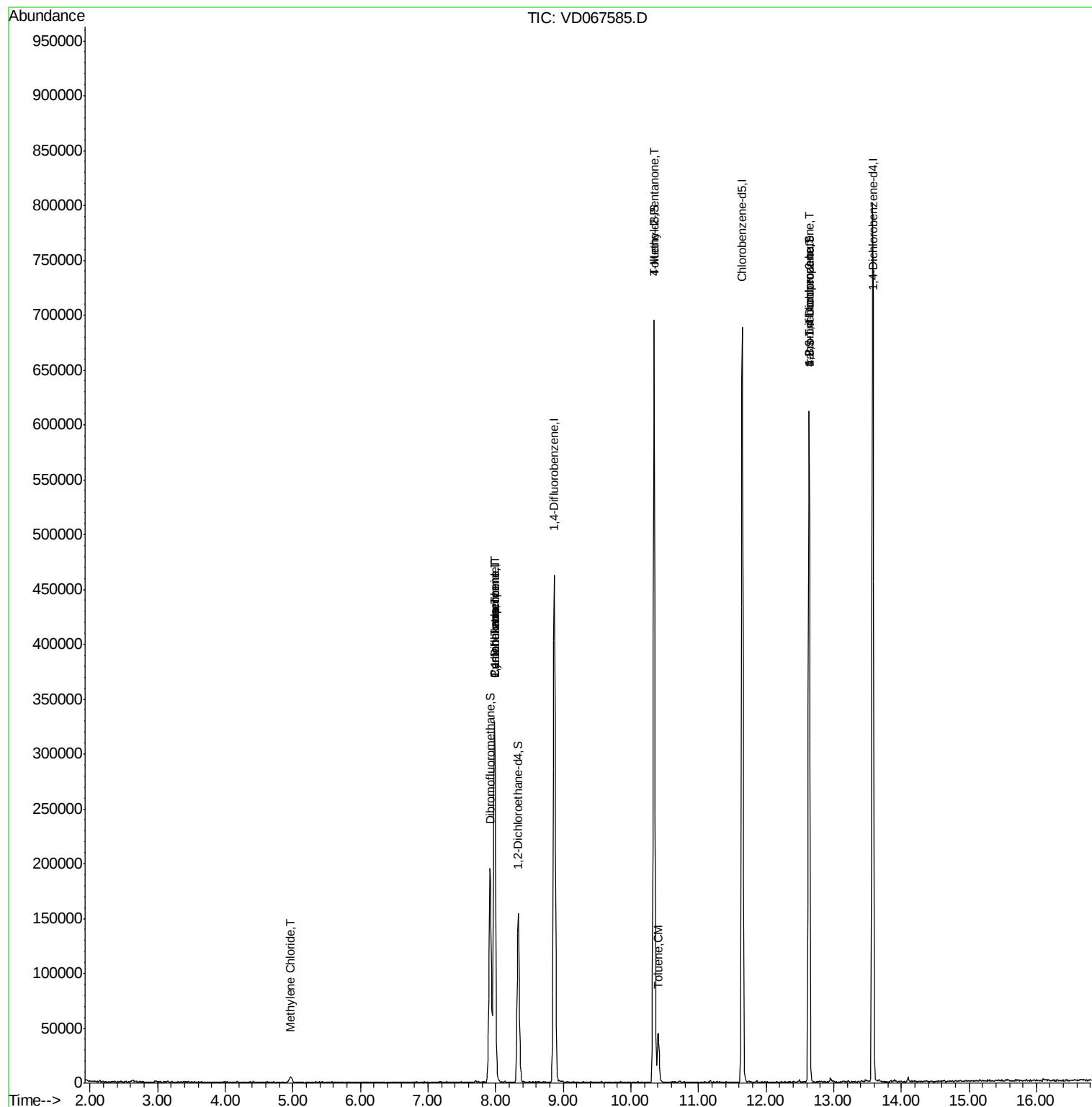
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	253325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	415692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	416294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	137349	62.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.02%	
35) Dibromofluoromethane	7.92	113	139164	55.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.12%	
50) Toluene-d8	10.34	98	477224	54.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.64	95	187089	61.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.14%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	60	Below Cal	#	44
20) Methylene Chloride	4.96	84	4350	1.858	ug/l	94
31) Cyclohexane	7.98	56	4721	1.470	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	18324	5.150	ug/l #	48
38) Carbon Tetrachloride	7.98	117	25783	5.577	ug/l #	16
51) 4-Methyl-2-Pentanone	10.35	43	1927	2.205	ug/l #	1
52) Toluene	10.40	92	18281	2.832	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	98095	72.281	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	98095	146.749	ug/l #	10

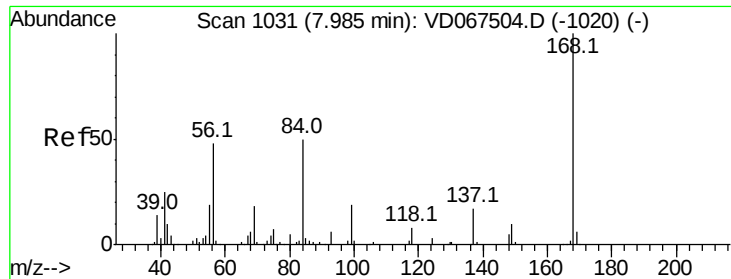
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111020\
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R-LA-38-2-WC

Quant Time: Nov 11 00:05:26 2020
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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: VD067585.D

Acq: 10 Nov 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

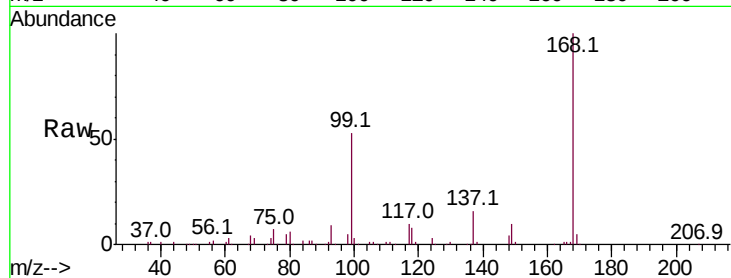
R-LA-38-2-WC

Tot Ion:168 Resp: 253325

Ion Ratio Lower Upper

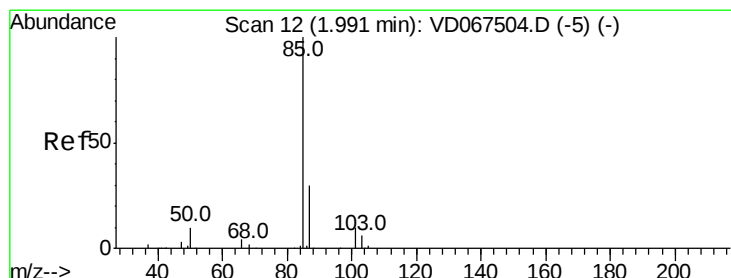
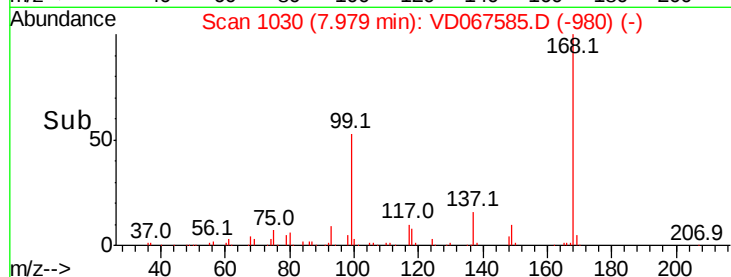
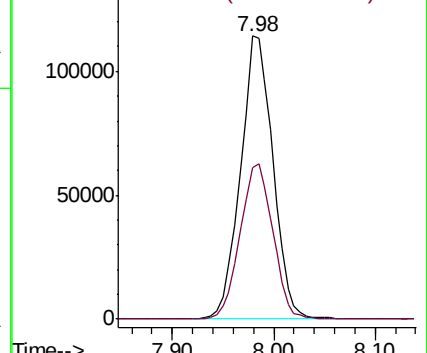
168 100

99 53.3 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# 12

Delta R.T. 0.00 min

Lab File: VD067585.D

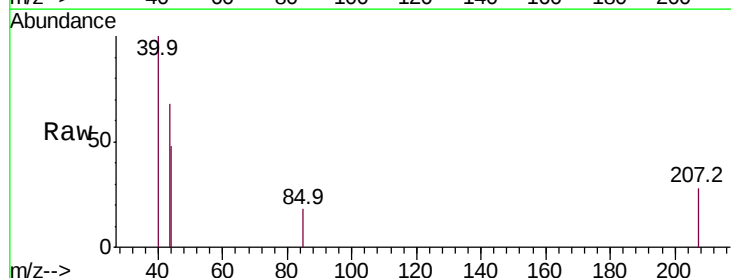
Acq: 10 Nov 2020 16:28

Tgt Ion: 85 Resp: 60

Ion Ratio Lower Upper

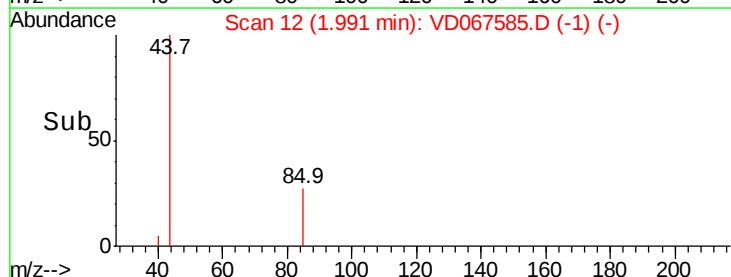
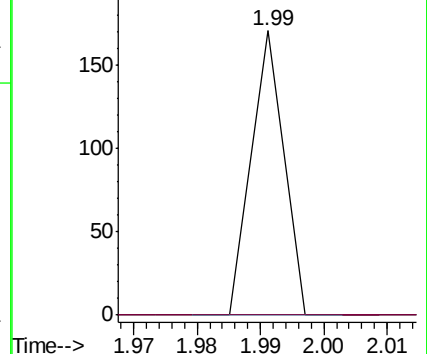
85 100

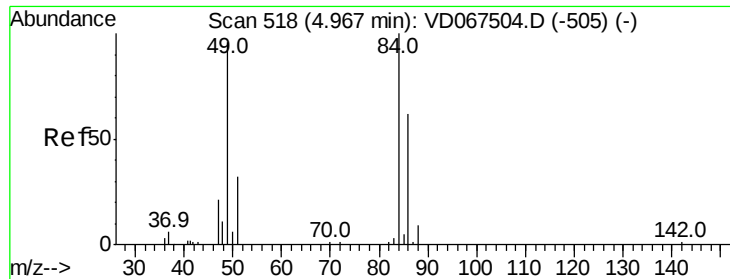
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

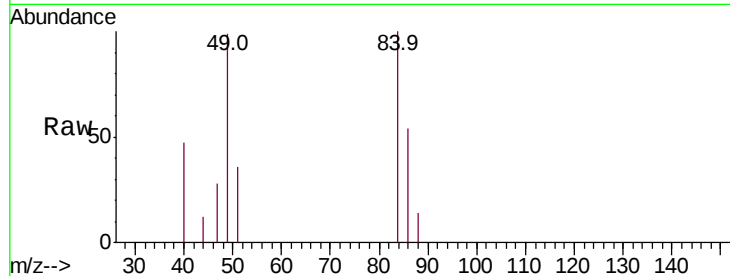




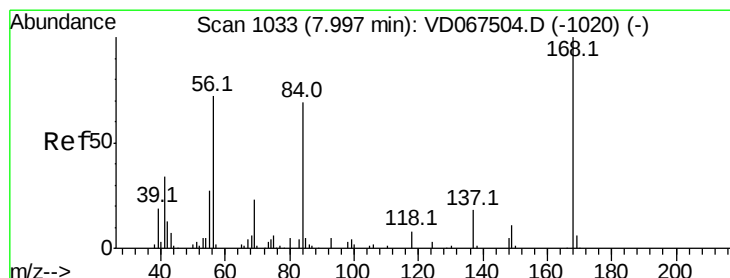
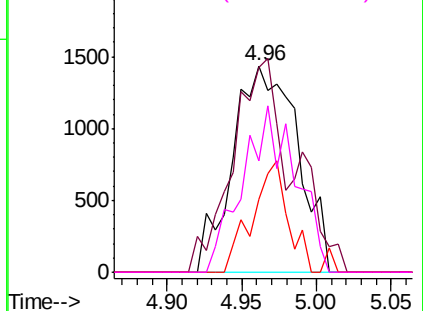
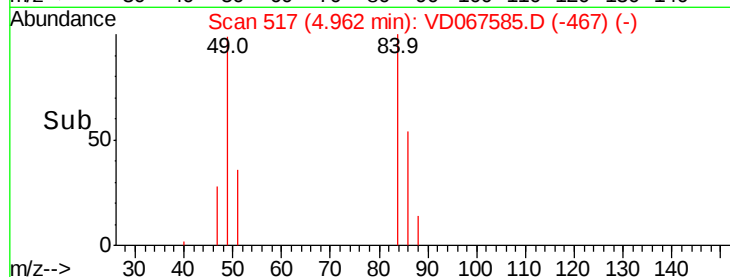
#20
Methvlene Chloride
Concen: 1.858 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067585.D
Acq: 10 Nov 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
R-LA-38-2-WC

Tot Ion:	84	Resp:	4350
Ion	Ratio	Lower	Upper
84	100		
49	99.1	77.0	115.4
51	35.5	25.4	38.2
86	53.7	49.4	74.0

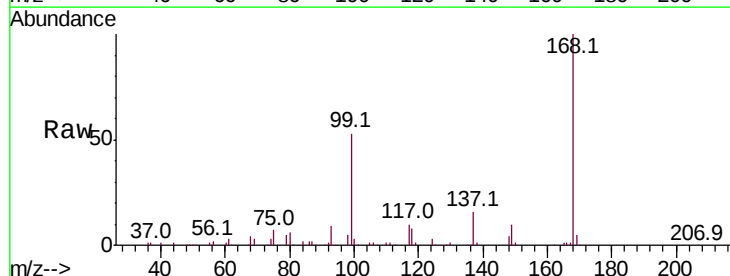


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

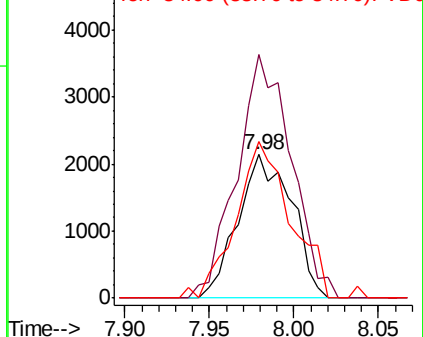
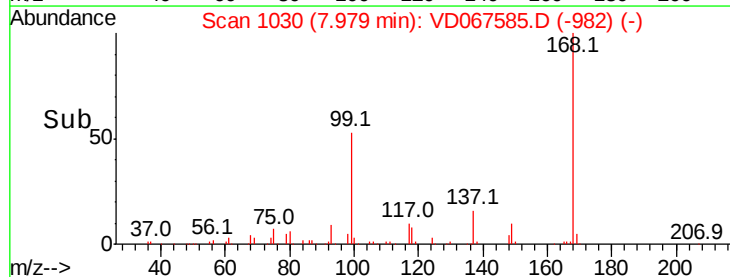


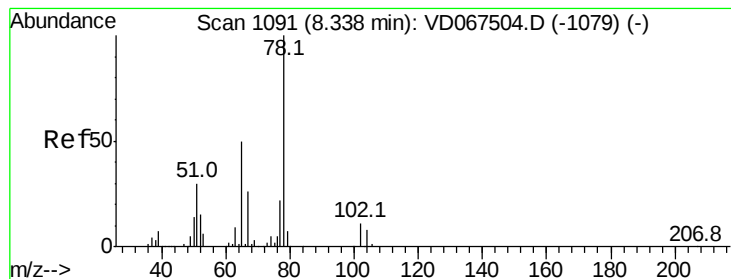
#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067585.D
Acq: 10 Nov 2020 16:28

Tgt Ion:	56	Resp:	4721
Ion	Ratio	Lower	Upper
56	100		
69	169.6	25.9	38.9#
84	108.6	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: 62.007 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067585.D

Acq: 10 Nov 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

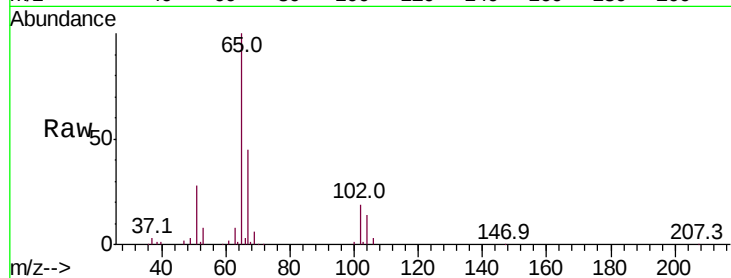
R-LA-38-2-WC

Tot Ion: 65 Resp: 137349

Ion Ratio Lower Upper

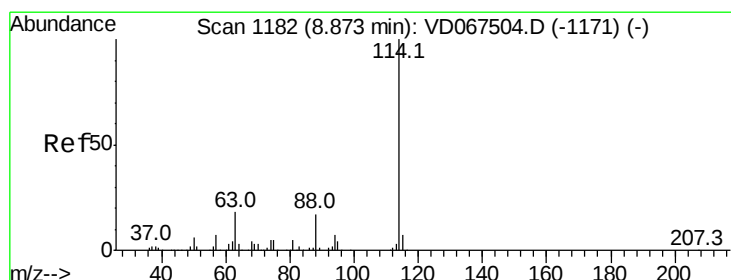
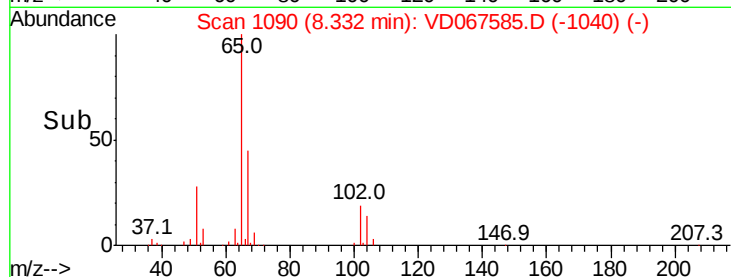
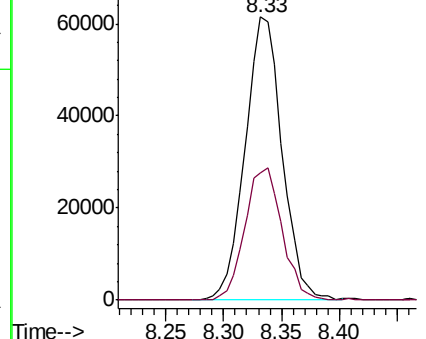
65 100

67 47.2 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: VD067585.D

Acq: 10 Nov 2020 16:28

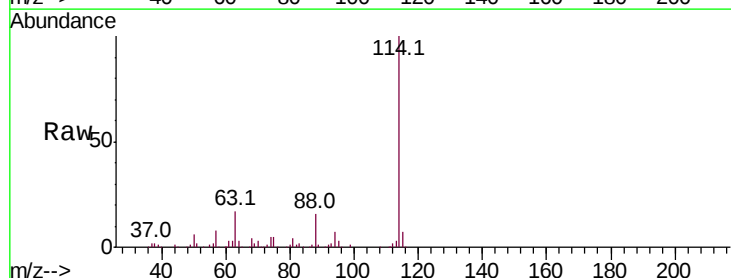
Tgt Ion: 114 Resp: 415692

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

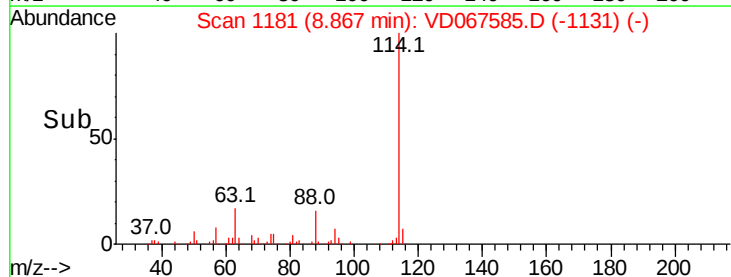
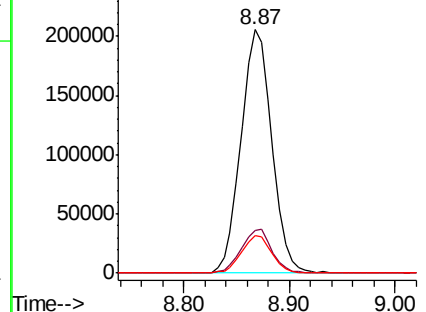
88 15.6 0.0 33.0

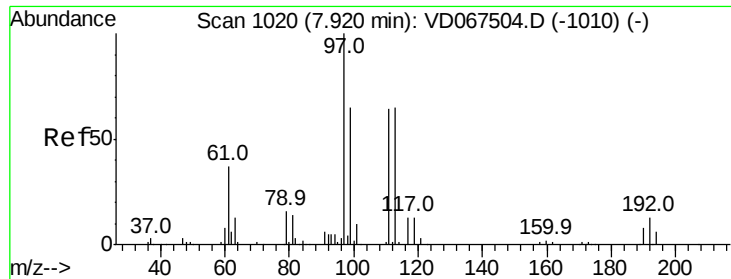


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

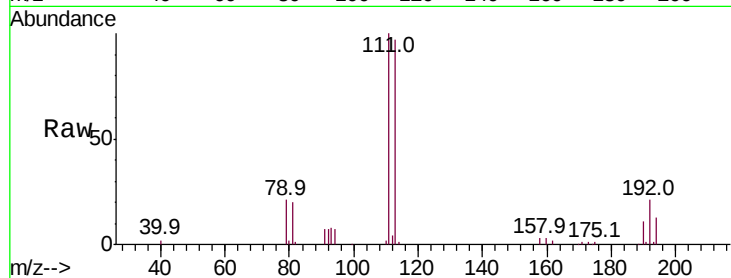




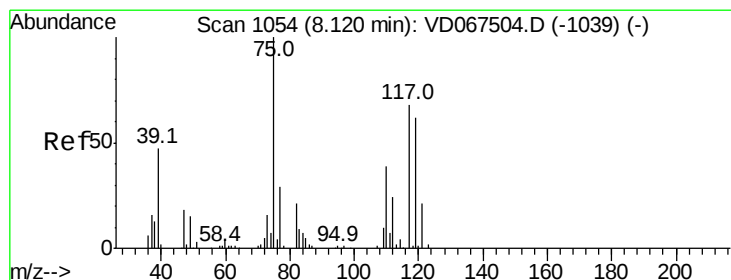
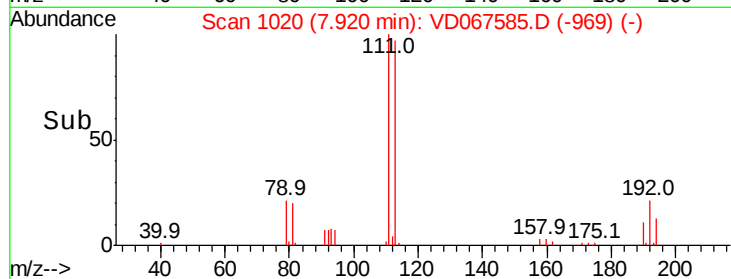
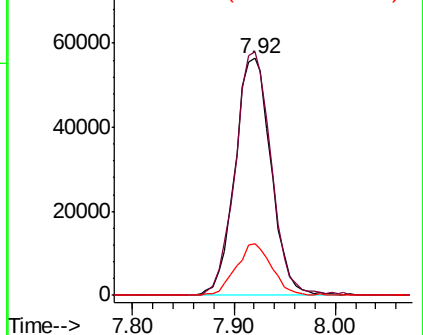
#35
 Dibromofluoromethane
 Concen: 55.565 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067585.D
 Acq: 10 Nov 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-38-2-WC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.0	120.0
192	21.2	16.3	24.5

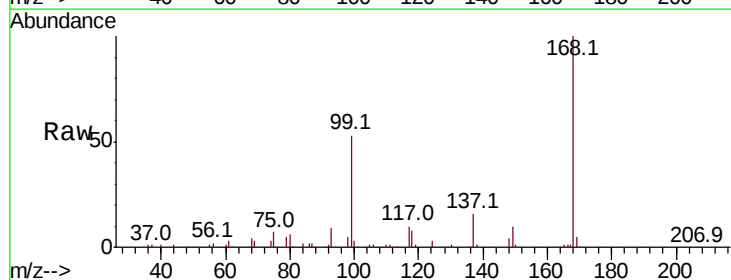


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

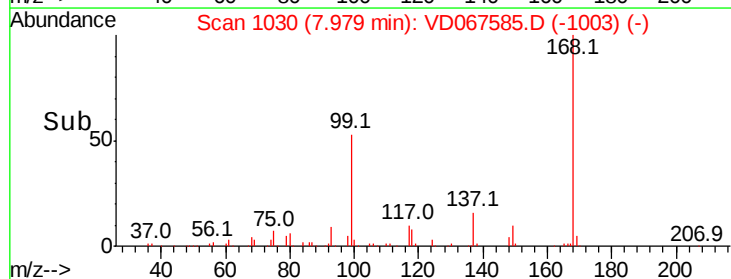
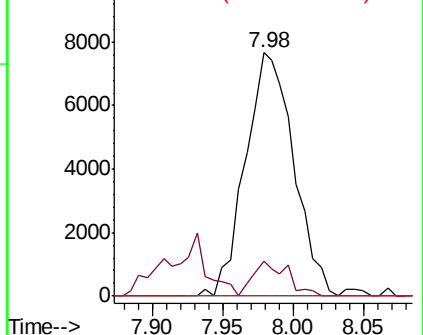


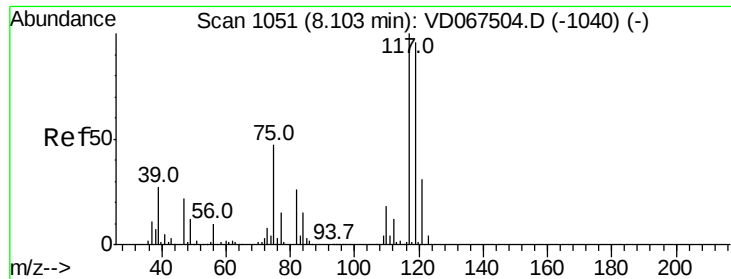
#36
 1,1-Dichloropropene
 Concen: 5.150 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067585.D
 Acq: 10 Nov 2020 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	19.9	59.7#
77	0.0	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.577 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067585.D

Acq: 10 Nov 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

R-LA-38-2-WC

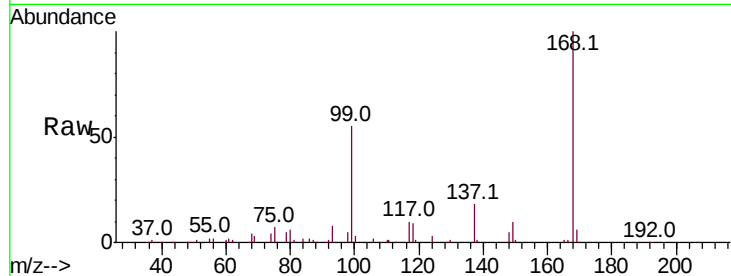
Tot Ion:117 Resp: 25783

Ion Ratio Lower Upper

117 100

119 5.3 76.9 115.3#

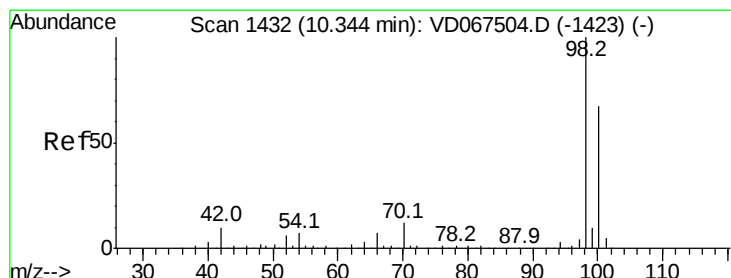
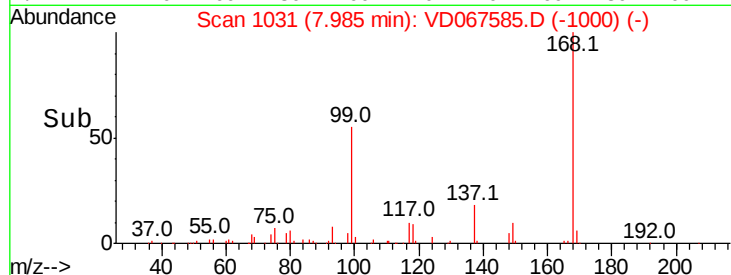
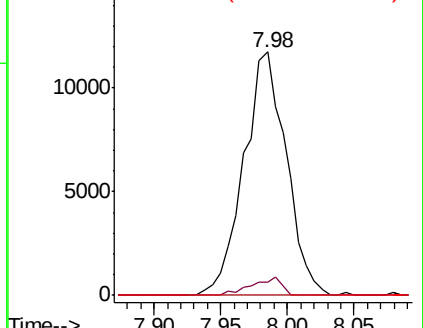
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 54.221 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067585.D

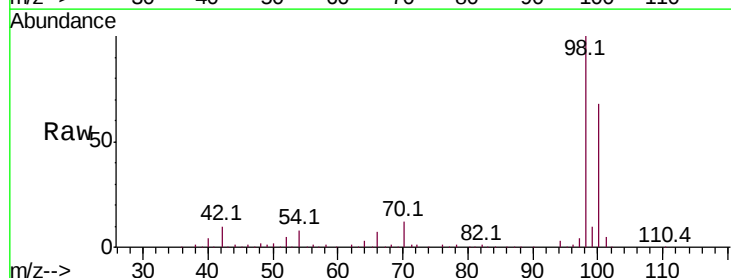
Acq: 10 Nov 2020 16:28

Tgt Ion: 98 Resp: 477224

Ion Ratio Lower Upper

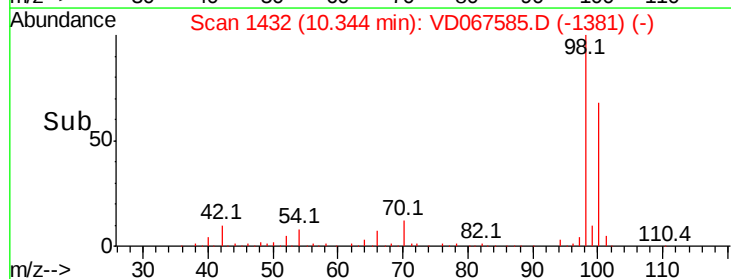
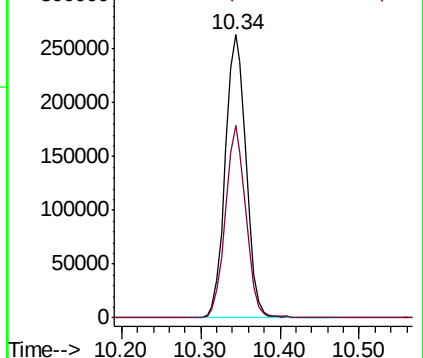
98 100

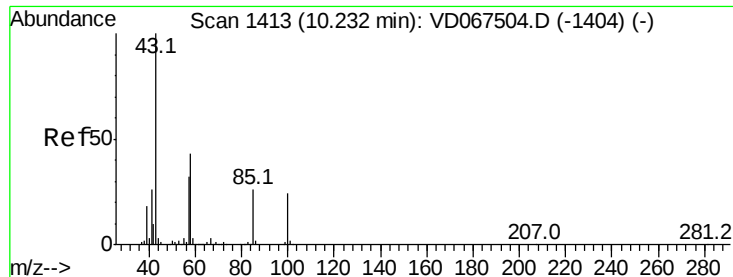
100 66.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.205 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067585.D

Acq: 10 Nov 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

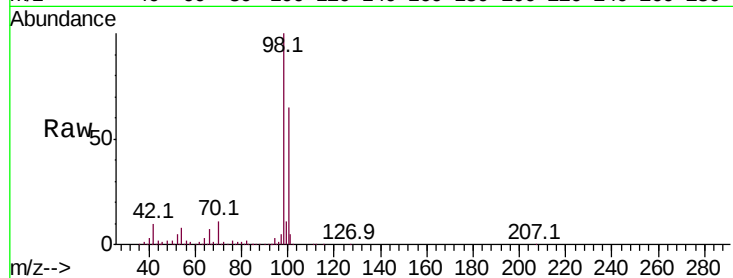
R-LA-38-2-WC

Tot Ion: 43 Resp: 1927

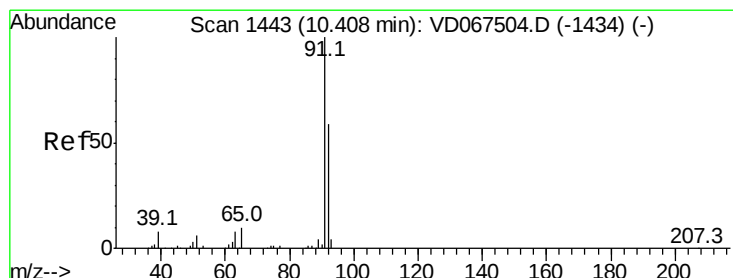
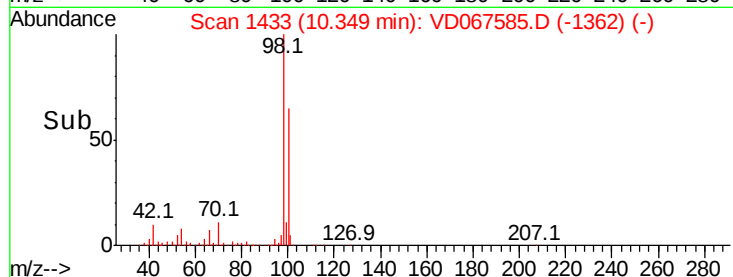
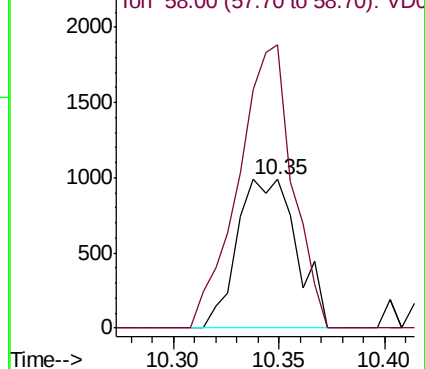
Ion Ratio Lower Upper

43 100

58 175.0 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#52

Toluene

Concen: 2.832 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067585.D

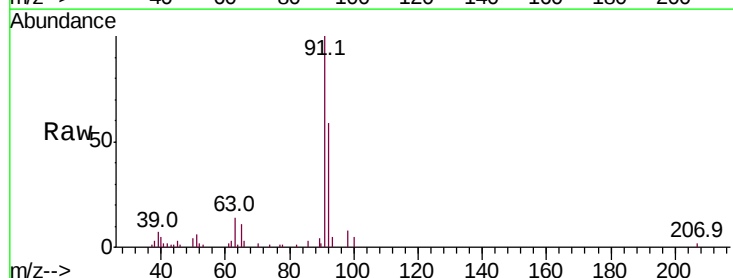
Acq: 10 Nov 2020 16:28

Tgt Ion: 92 Resp: 18281

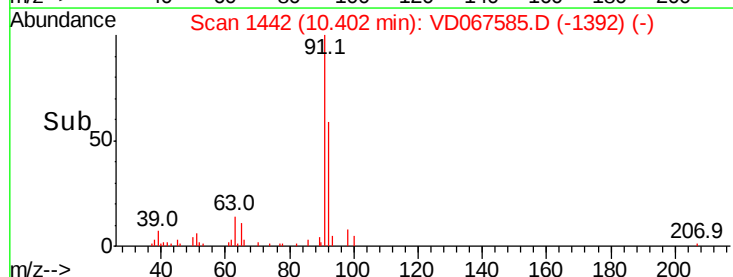
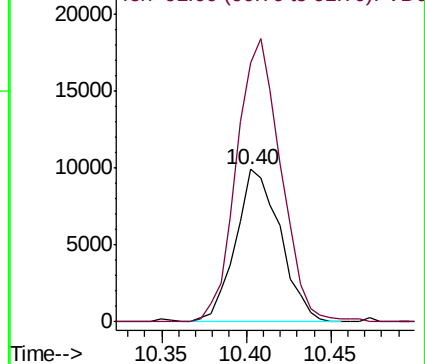
Ion Ratio Lower Upper

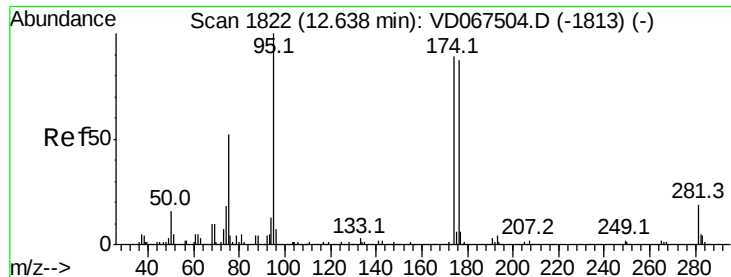
92 100

91 183.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

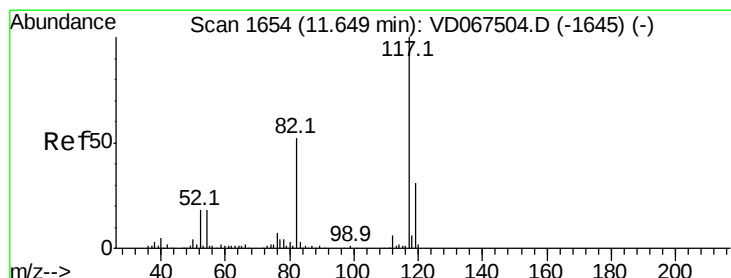
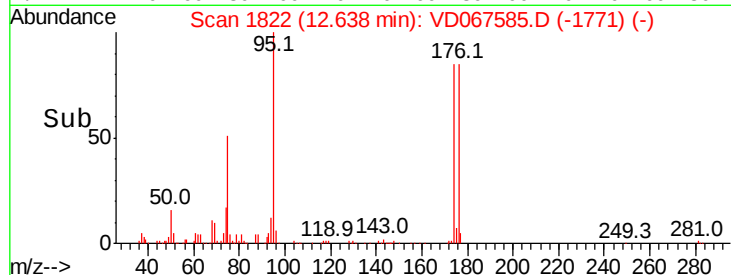
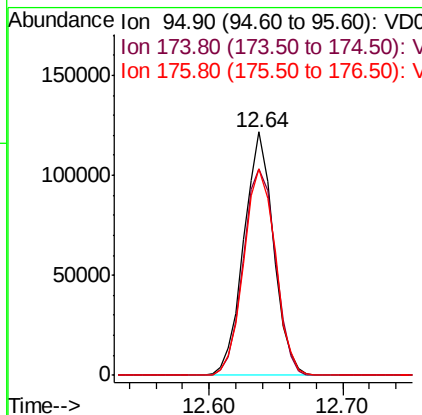
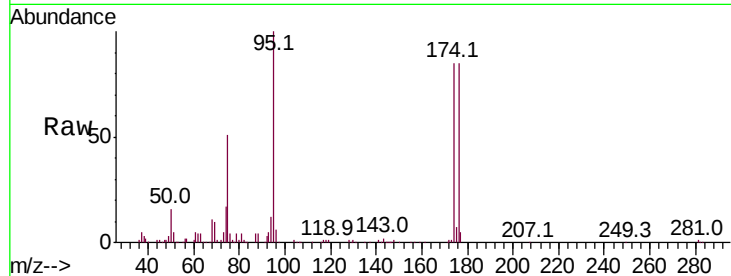




#62
4-Bromofluorobenzene
Concen: 61.569 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067585.D
Acq: 10 Nov 2020 16:28

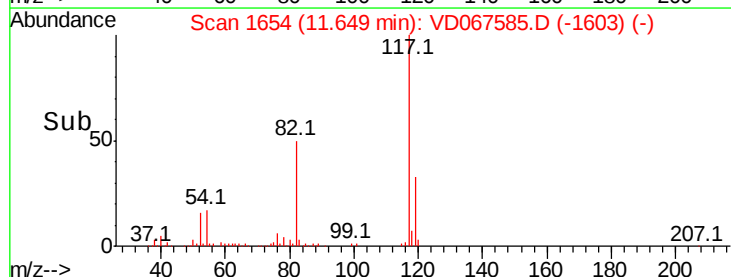
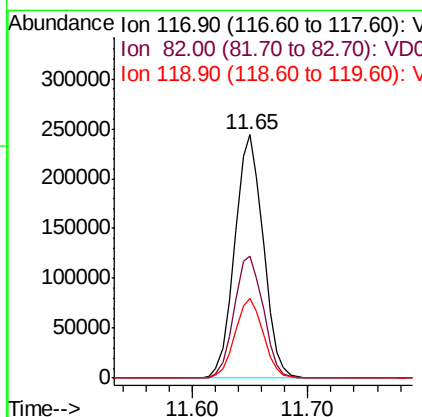
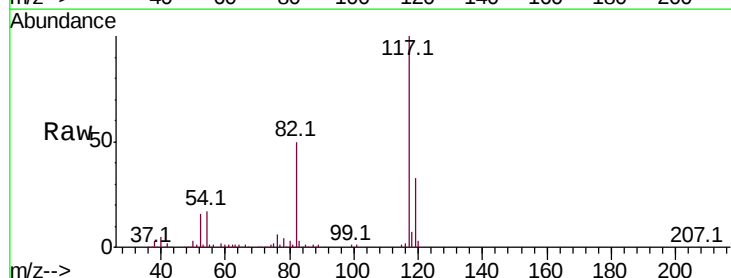
Instrument :
MSVOA_D
ClientSampleId :
R-LA-38-2-WC

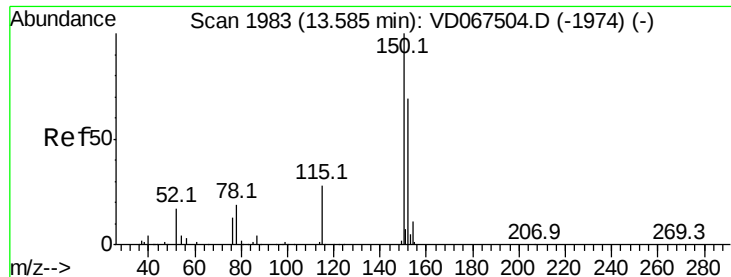
Tot Ion: 95 Resp: 187089
Ion Ratio Lower Upper
95 100
174 91.7 0.0 177.8
176 90.3 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067585.D
Acq: 10 Nov 2020 16:28

Tgt Ion: 117 Resp: 416294
Ion Ratio Lower Upper
117 100
82 50.1 41.6 62.4
119 32.6 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: VD067585.D

Acq: 10 Nov 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

R-LA-38-2-WC

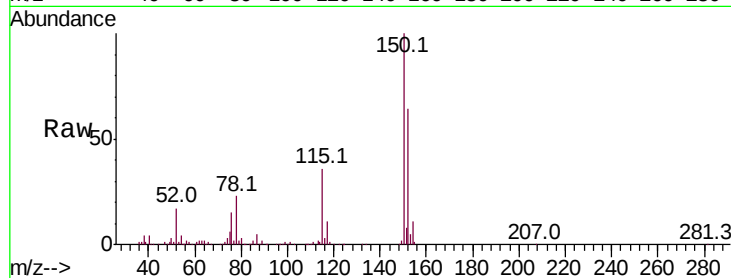
Tot Ion:152 Resp: 224969

Ion Ratio Lower Upper

152 100

115 58.2 29.3 88.0

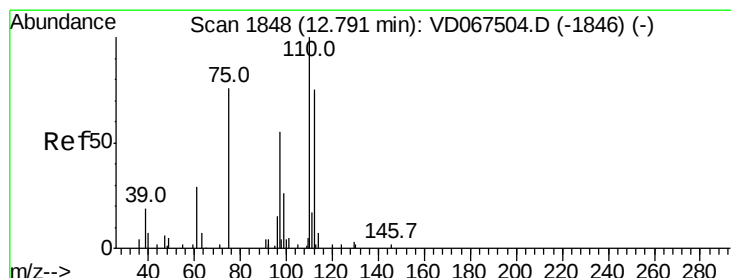
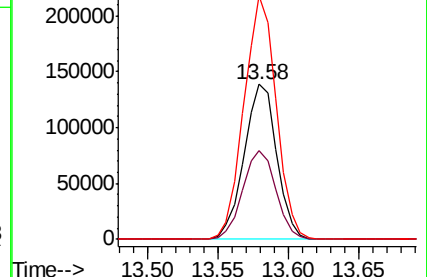
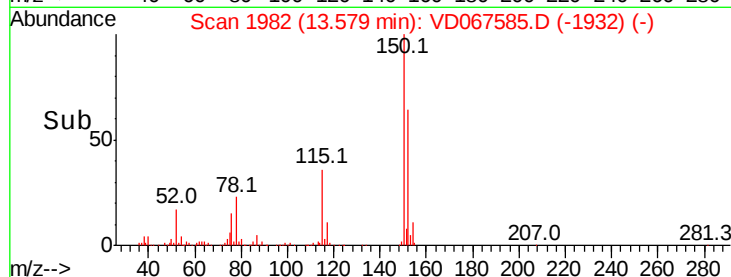
150 155.0 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 72.281 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067585.D

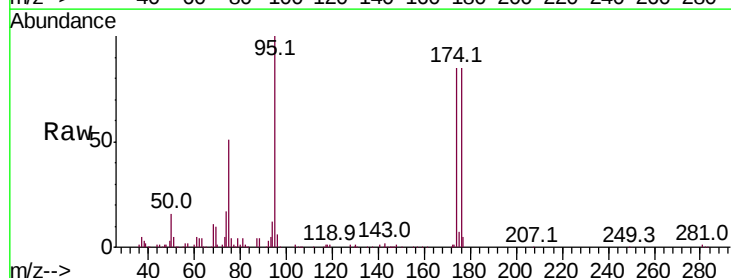
Acq: 10 Nov 2020 16:28

Tgt Ion: 75 Resp: 98095

Ion Ratio Lower Upper

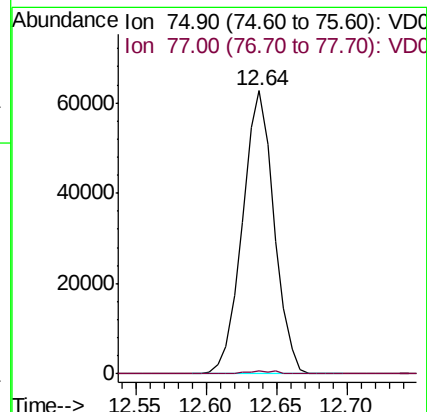
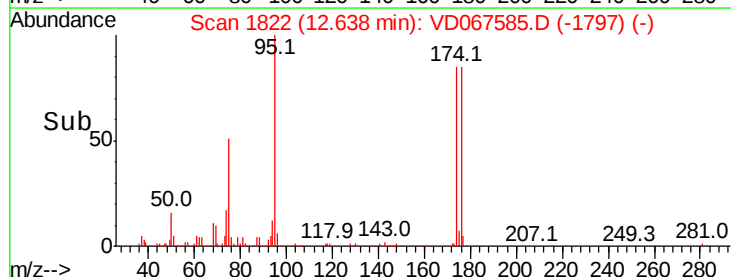
75 100

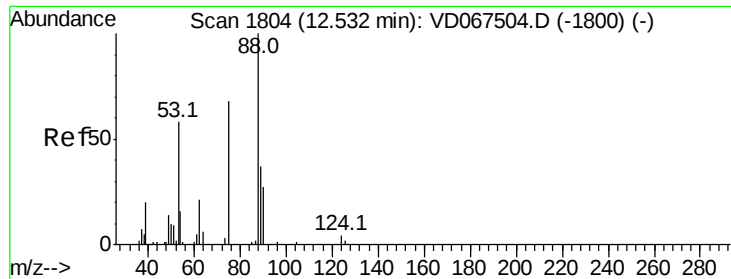
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 146.749 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067585.D

Acq: 10 Nov 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

R-LA-38-2-WC

Tot Ion: 75 Resp: 98095

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#

