

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067582.D
 Acq On : 10 Nov 2020 15:05
 Operator : VA/SY
 Sample : L4594-01RE
 Misc : 6.37G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-110920

Quant Time: Nov 11 00:04:57 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	276516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	451450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	466474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	226698	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	145049	59.99	ug/l	0.00
Spiked Amount			Recovery	=	119.98%	
35) Dibromofluoromethane	7.92	113	146451	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
50) Toluene-d8	10.34	98	535701	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
62) 4-Bromofluorobenzene	12.64	95	202869	61.47	ug/l	0.00
Spiked Amount			Recovery	=	122.94%	

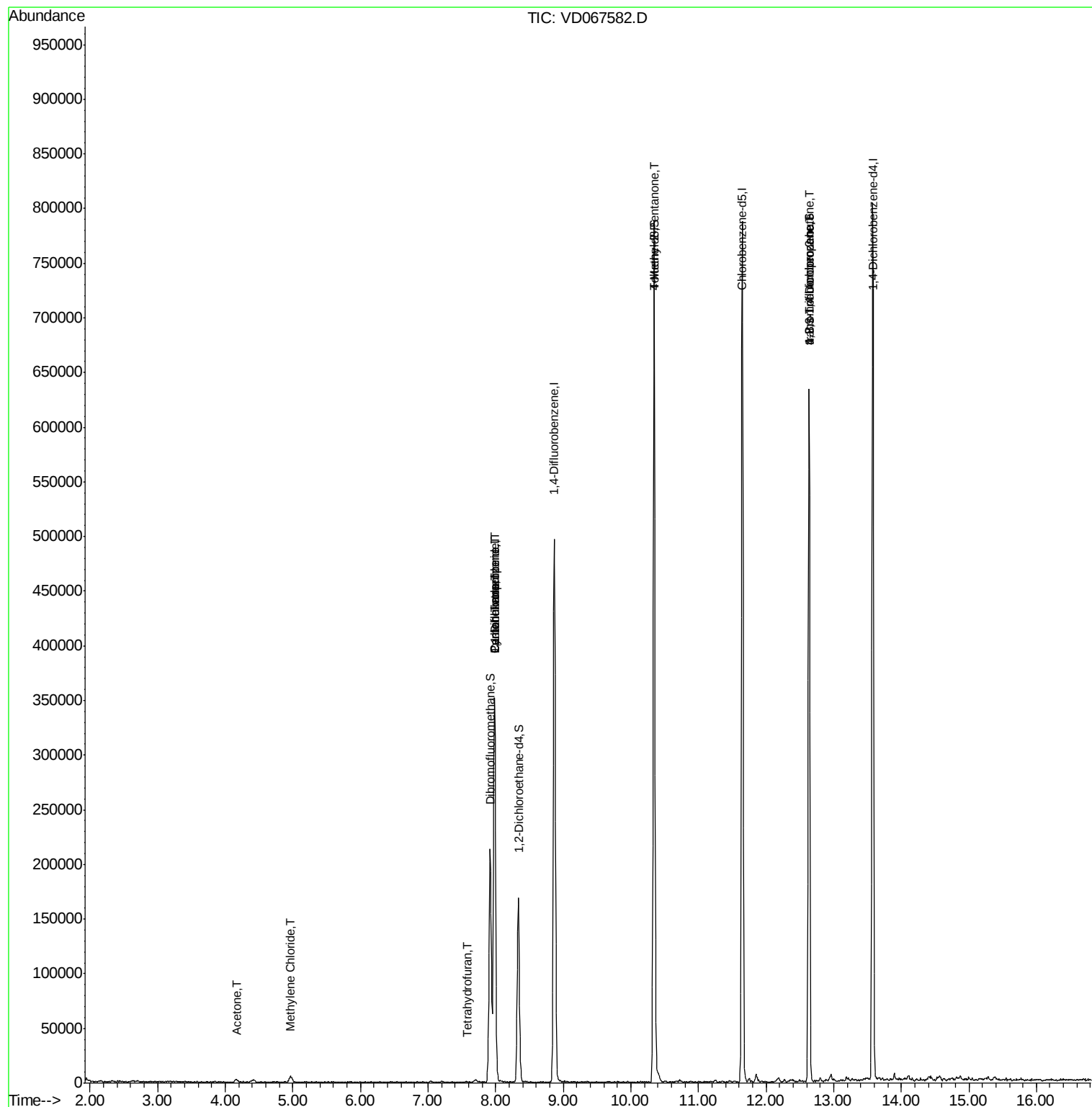
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	115	Below Cal	#	44
16) Acetone	4.16	43	4315	11.926	ug/l	95
20) Methylene Chloride	4.97	84	4642	1.816	ug/l #	84
29) Tetrahydrofuran	7.57	42	654	2.824	ug/l #	42
31) Cyclohexane	7.98	56	4908	1.400	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	18774	4.858	ug/l #	48
38) Carbon Tetrachloride	7.98	117	27346	5.447	ug/l #	17
51) 4-Methyl-2-Pentanone	10.35	43	1757	1.852	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	107076	78.297	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107076	158.963	ug/l #	10

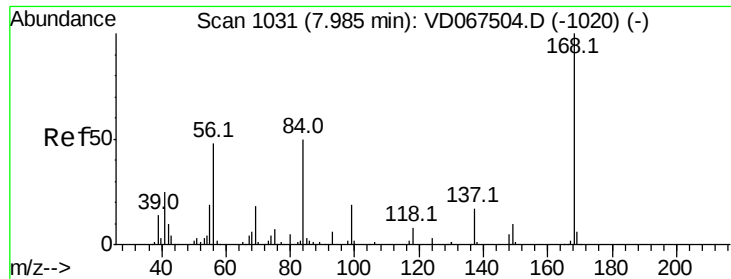
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111020\
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Quant Time: Nov 11 00:04:57 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# 1031

Delta R.T. -0.00 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

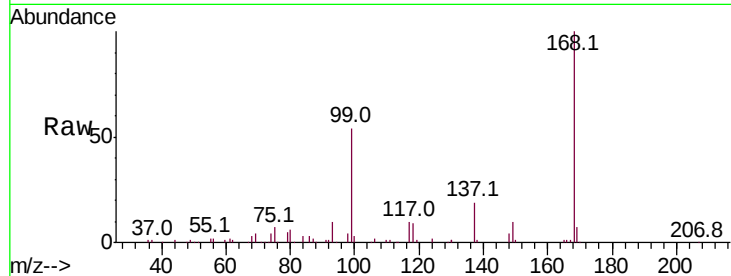
OR-03-110920

Tot Ion:168 Resp: 276516

Ion Ratio Lower Upper

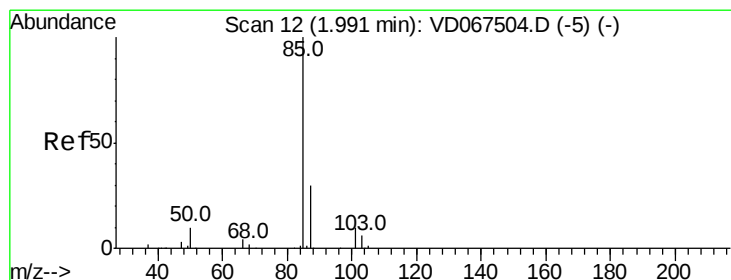
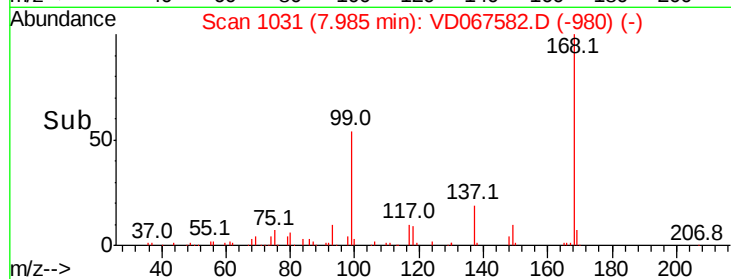
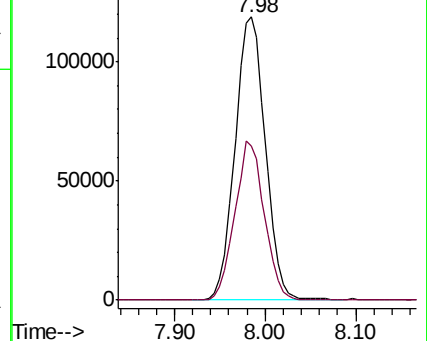
168 100

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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067582.D

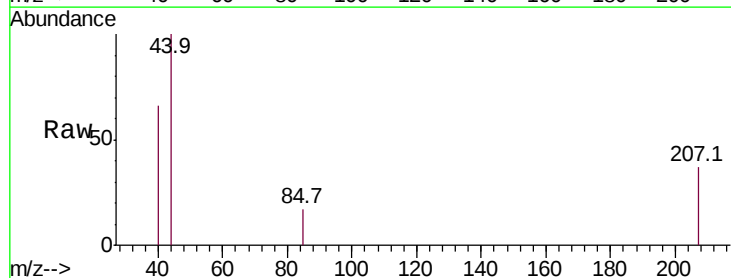
Acq: 10 Nov 2020 15:05

Tgt Ion: 85 Resp: 115

Ion Ratio Lower Upper

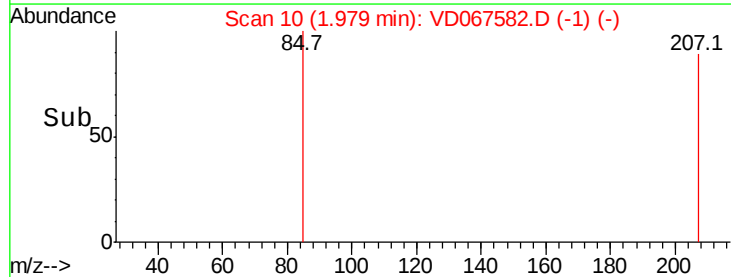
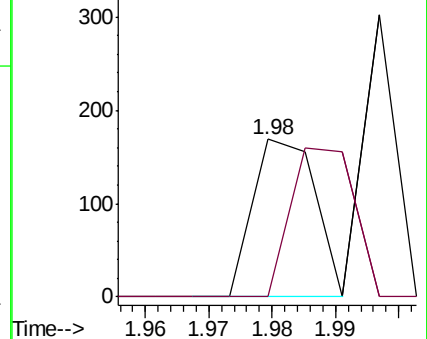
85 100

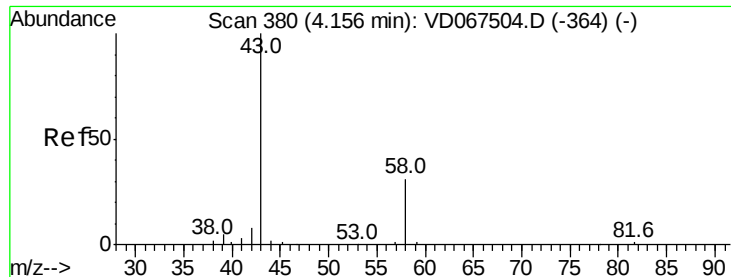
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 11.926 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

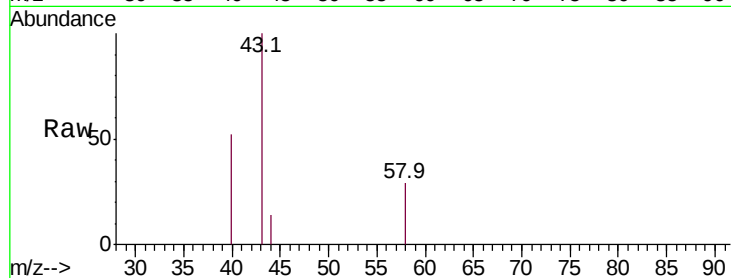
OR-03-110920

Tot Ion: 43 Resp: 4315

Ion Ratio Lower Upper

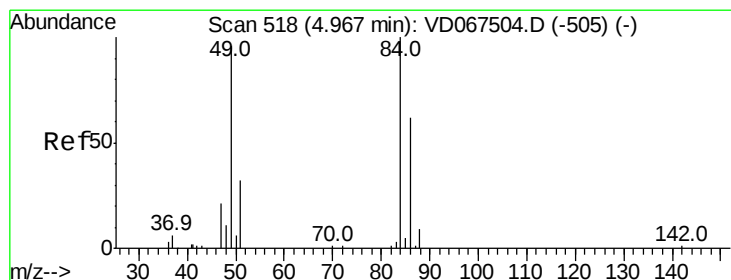
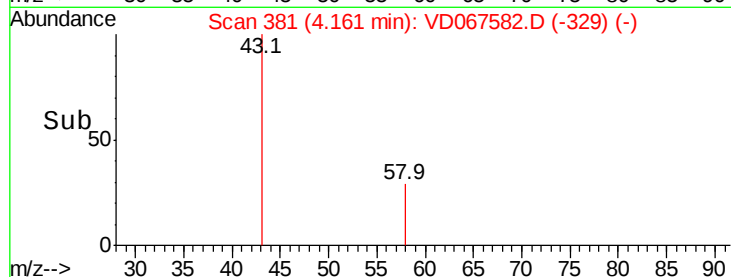
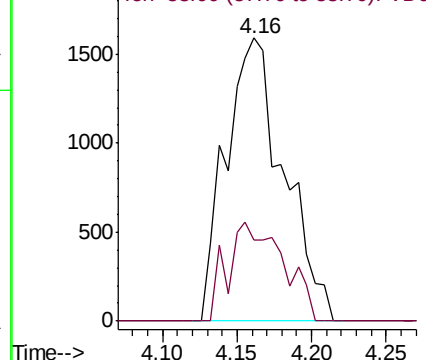
43 100

58 28.5 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: 1.816 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

Tgt Ion: 84 Resp: 4642

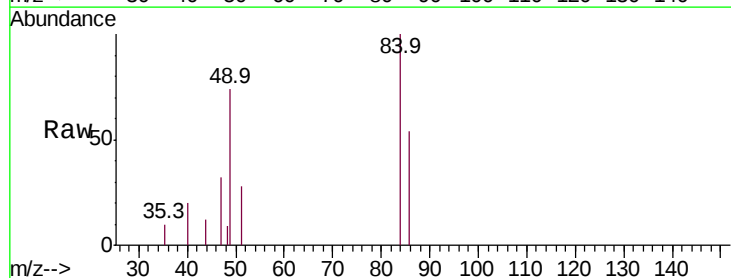
Ion Ratio Lower Upper

84 100

49 73.6 77.0 115.4#

51 28.0 25.4 38.2

86 54.0 49.4 74.0

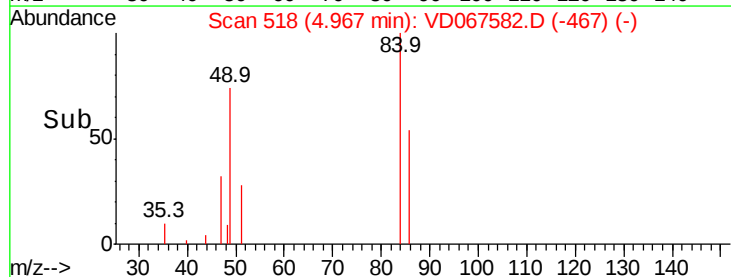
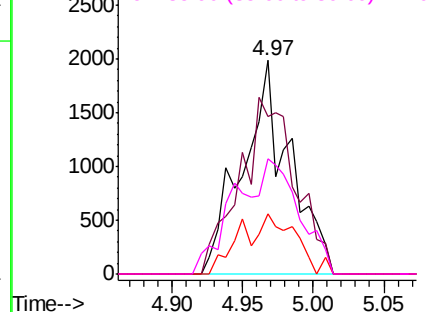


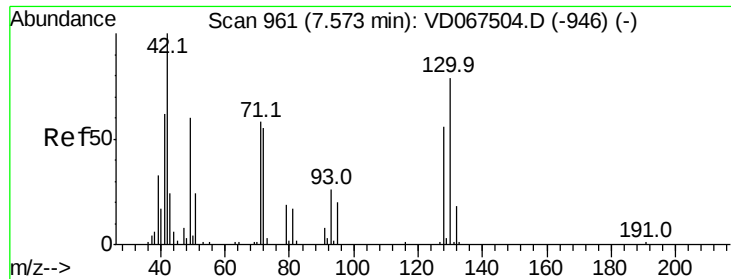
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#29

Tetrahydrofuran

Concen: 2.824 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

OR-03-110920

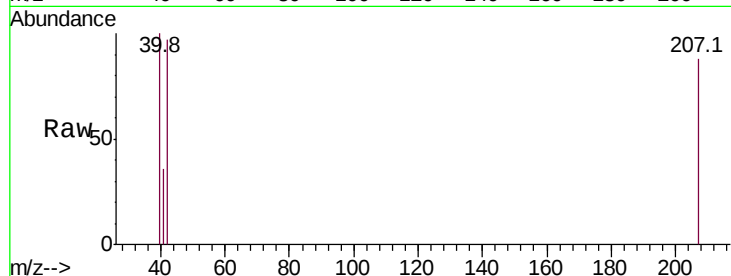
Tot Ion: 42 Resp: 654

Ion Ratio Lower Upper

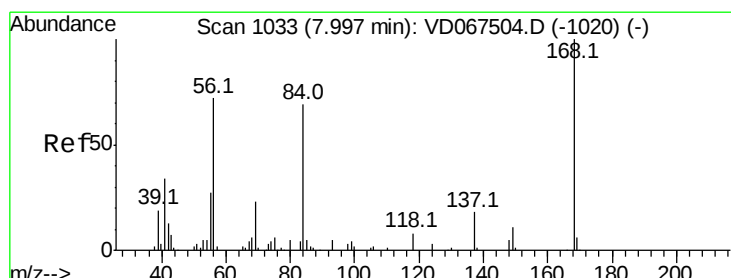
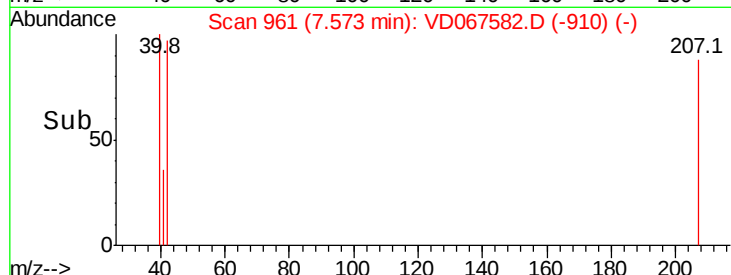
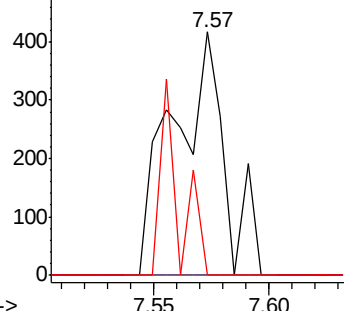
42 100

72 0.0 46.3 69.5#

71 27.8 44.0 66.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.400 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

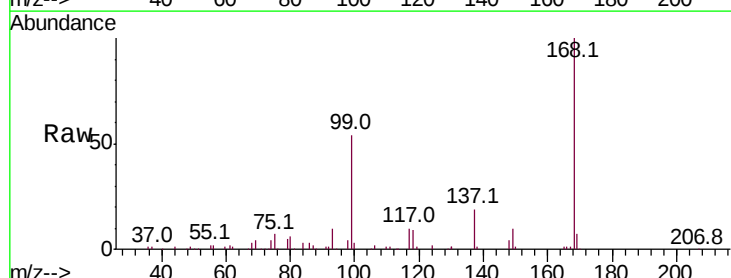
Tgt Ion: 56 Resp: 4908

Ion Ratio Lower Upper

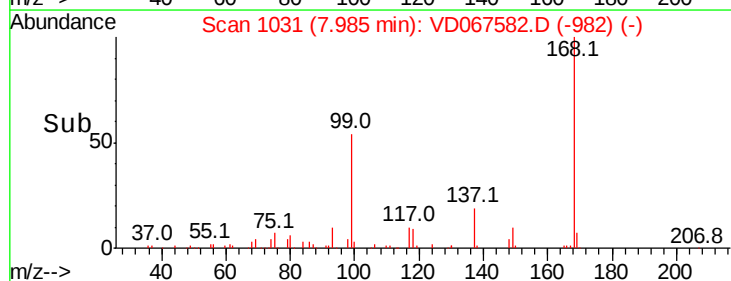
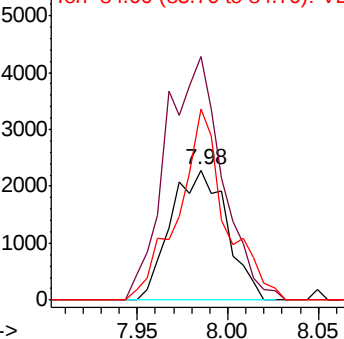
56 100

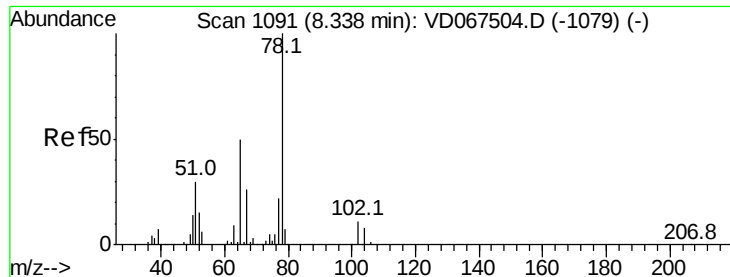
69 187.0 25.9 38.9#

84 146.9 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: 59.991 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

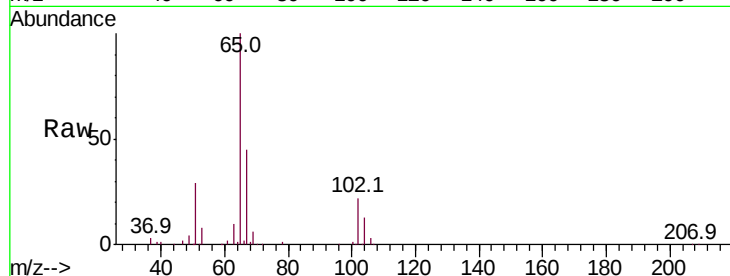
OR-03-110920

Tot Ion: 65 Resp: 145049

Ion Ratio Lower Upper

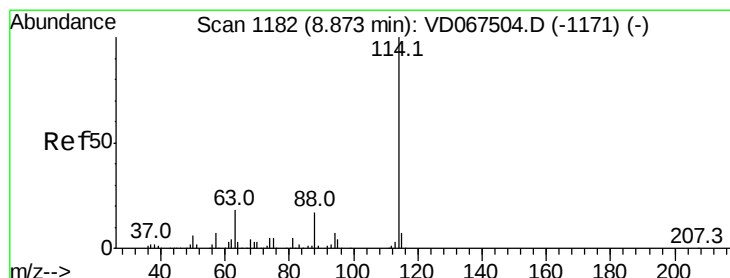
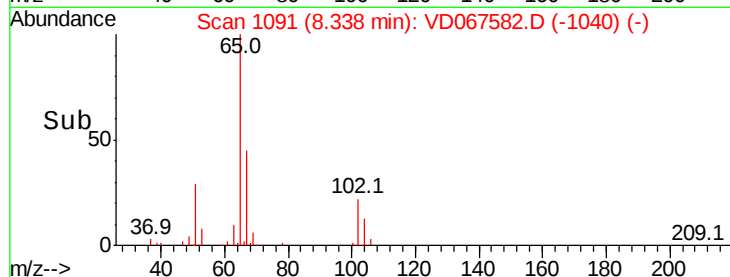
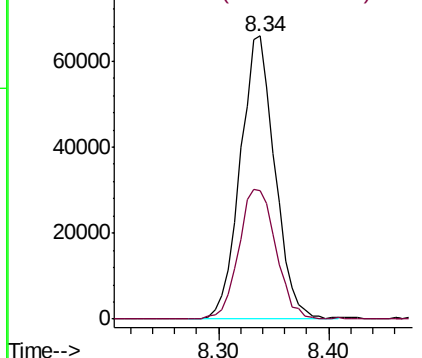
65 100

67 49.0 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: VD067582.D

Acq: 10 Nov 2020 15:05

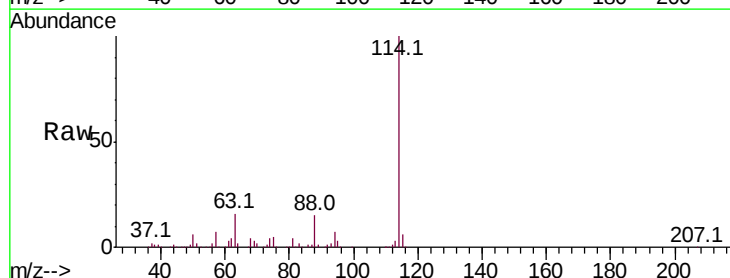
Tgt Ion: 114 Resp: 451450

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

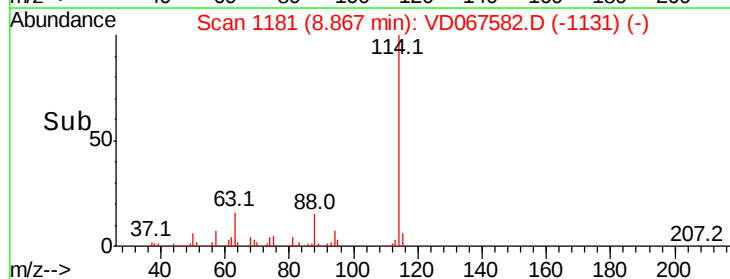
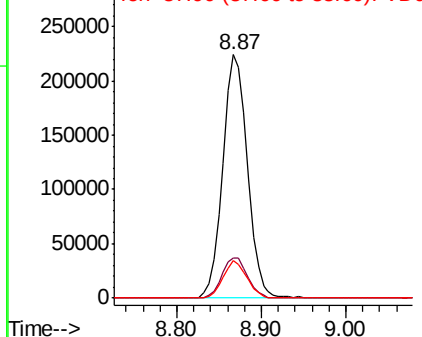
88 15.4 0.0 33.0

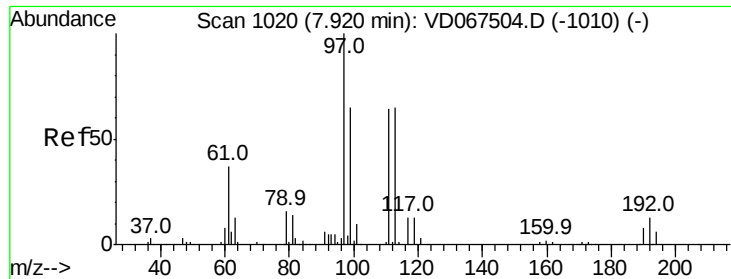


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

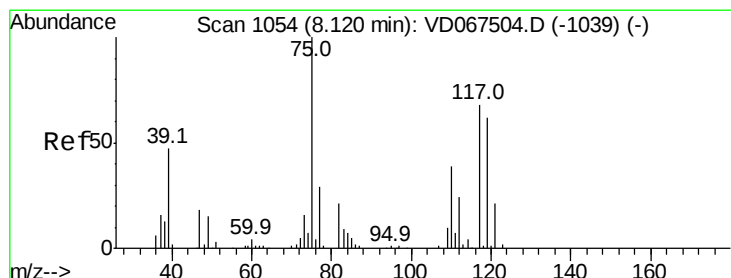
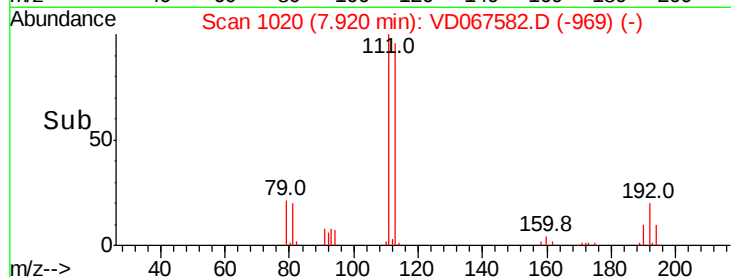
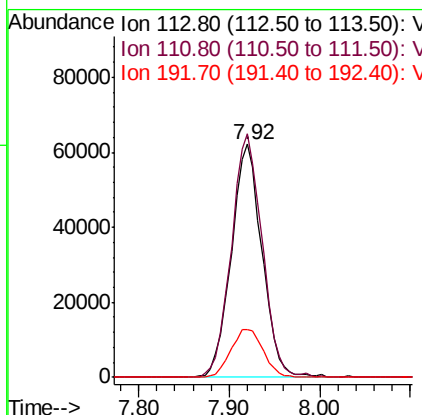
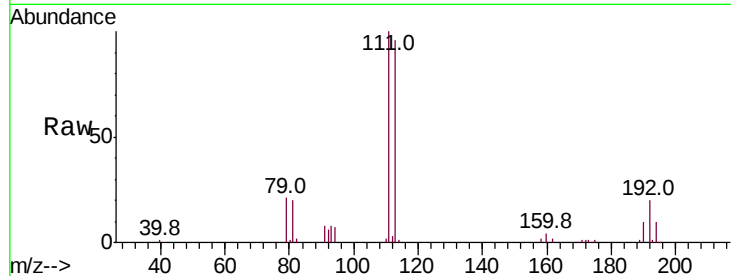




#35
 Dibromofluoromethane
 Concen: 53.843 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067582.D
 Acq: 10 Nov 2020 15:05

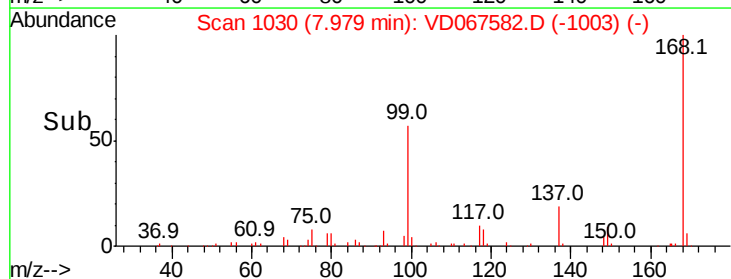
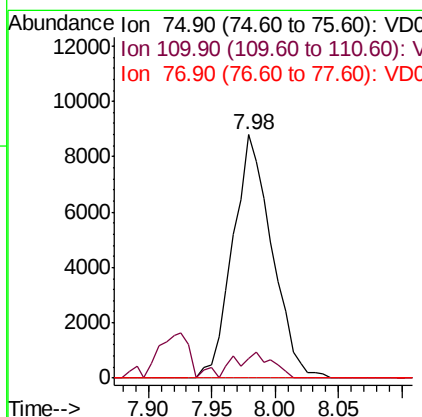
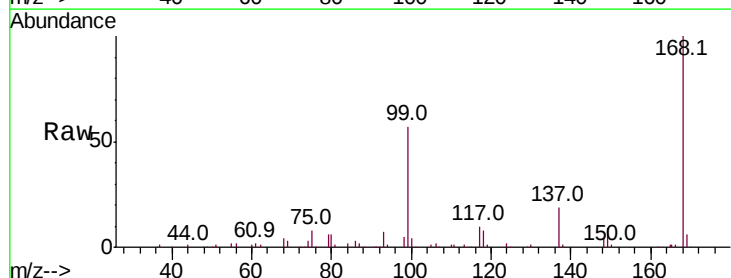
Instrument :
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 OR-03-110920

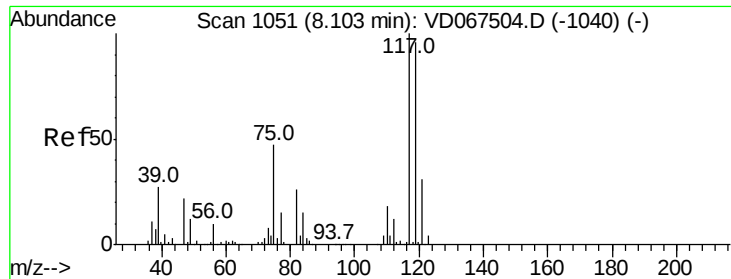
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	80.0	120.0
192	21.8	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.858 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067582.D
 Acq: 10 Nov 2020 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.9	59.7#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.447 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

OR-03-110920

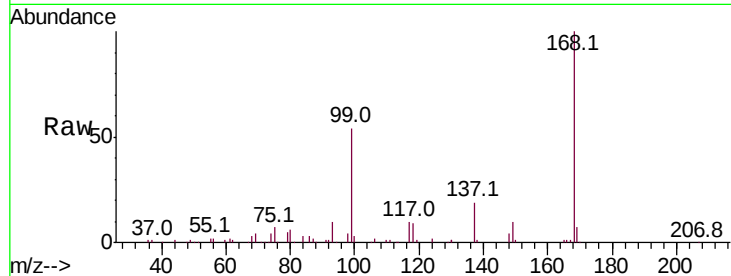
Tot Ion:117 Resp: 27346

Ion Ratio Lower Upper

117 100

119 6.2 76.9 115.3#

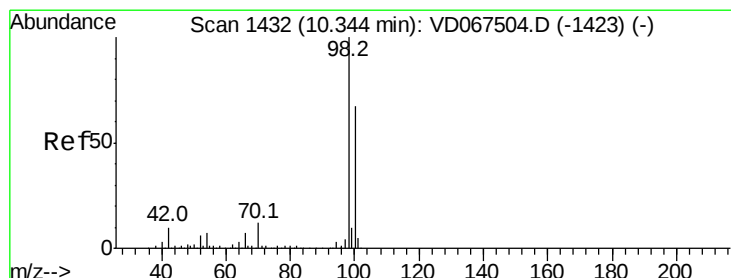
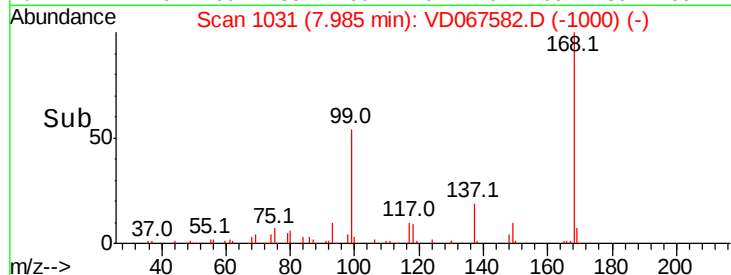
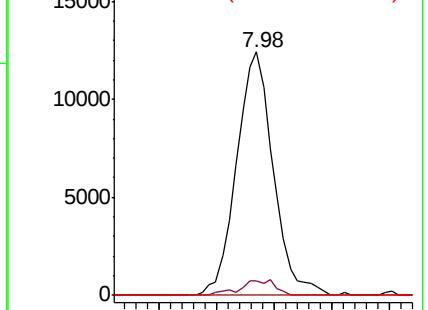
121 0.0 24.5 36.7#



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: 56.044 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067582.D

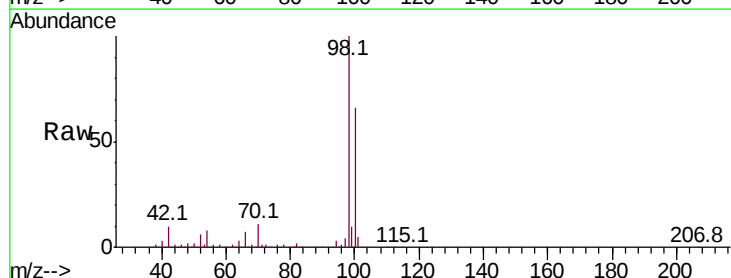
Acq: 10 Nov 2020 15:05

Tgt Ion: 98 Resp: 535701

Ion Ratio Lower Upper

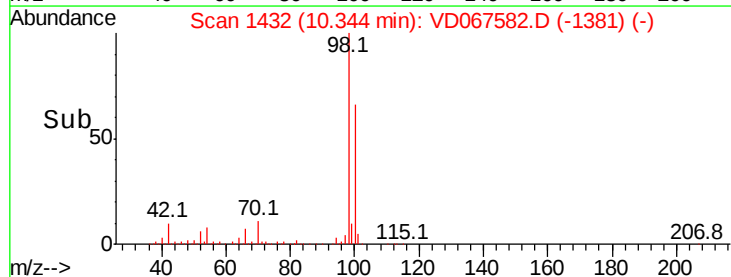
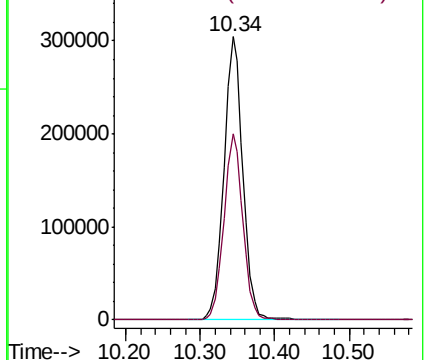
98 100

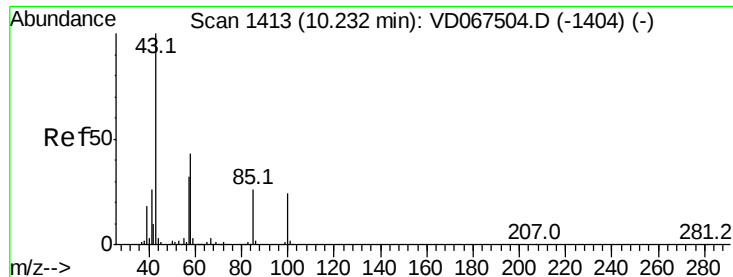
100 66.2 53.0 79.6



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: 1.852 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

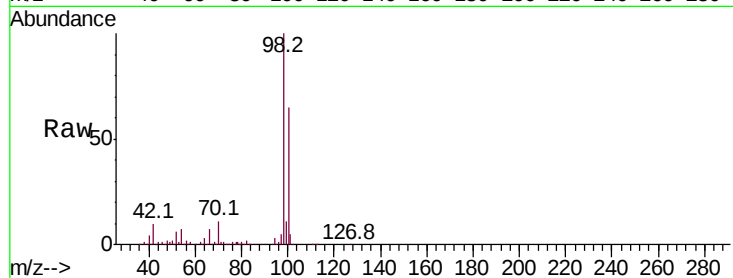
OR-03-110920

Tot Ion: 43 Resp: 1757

Ion Ratio Lower Upper

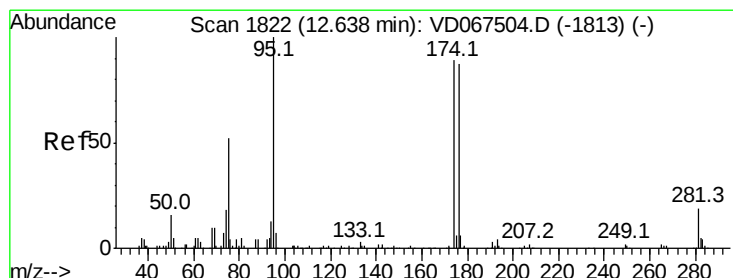
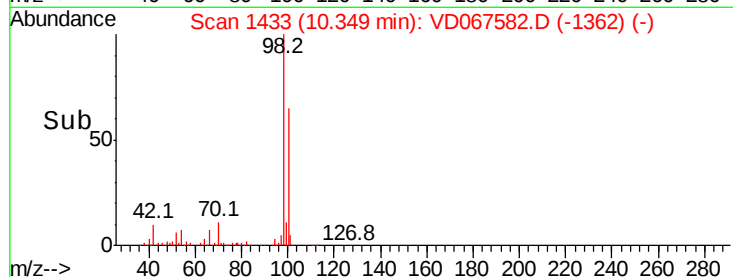
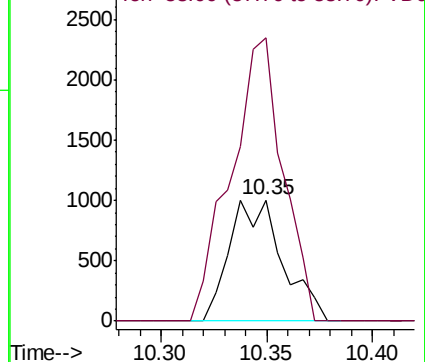
43 100

58 228.9 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 61.474 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

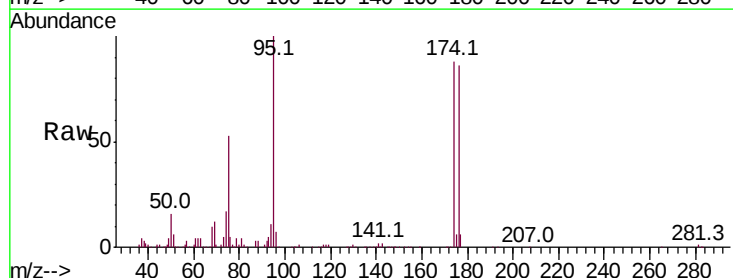
Tgt Ion: 95 Resp: 202869

Ion Ratio Lower Upper

95 100

174 88.7 0.0 177.8

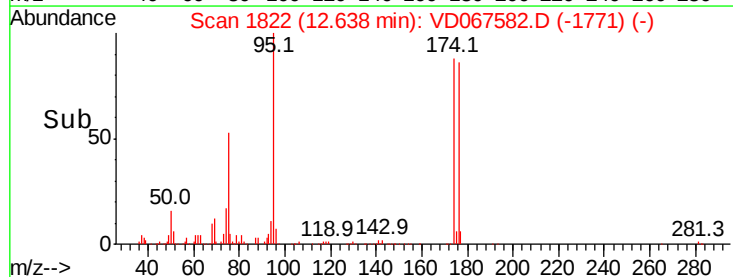
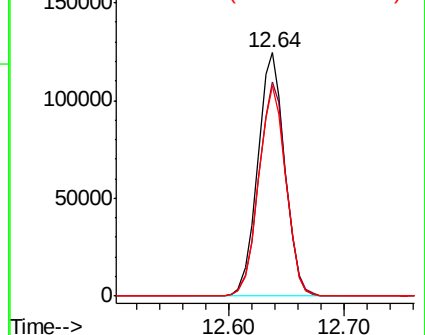
176 86.8 0.0 172.0

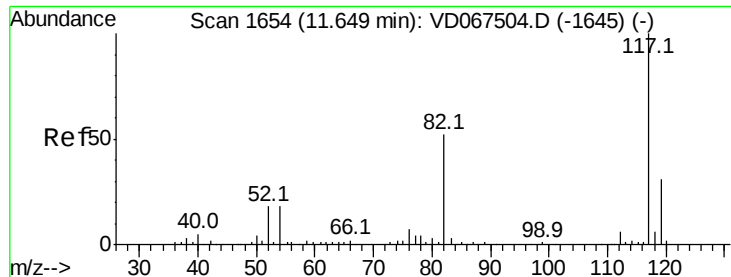


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

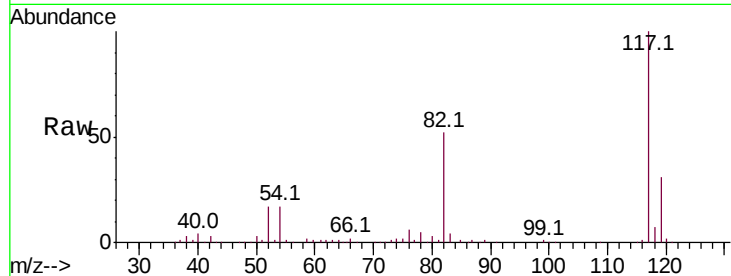




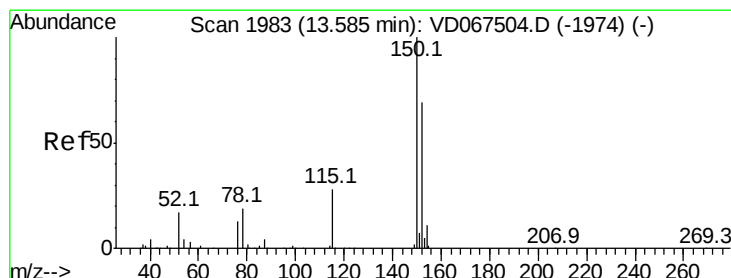
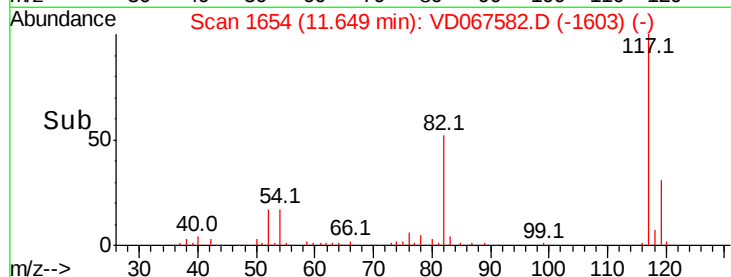
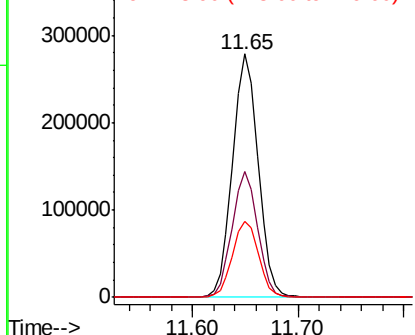
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067582.D
Acq: 10 Nov 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
OR-03-110920

Tot Ion:117 Resp: 466474
Ion Ratio Lower Upper
117 100
82 51.5 41.6 62.4
119 31.3 25.1 37.7

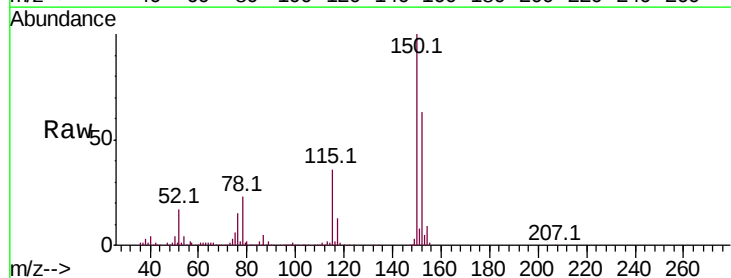


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

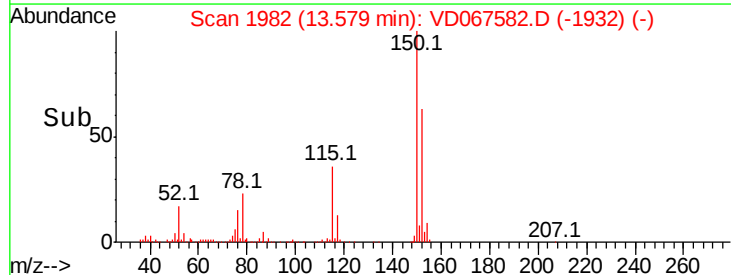
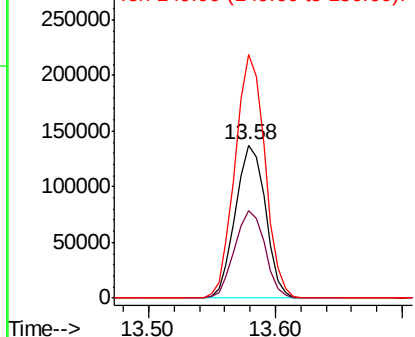


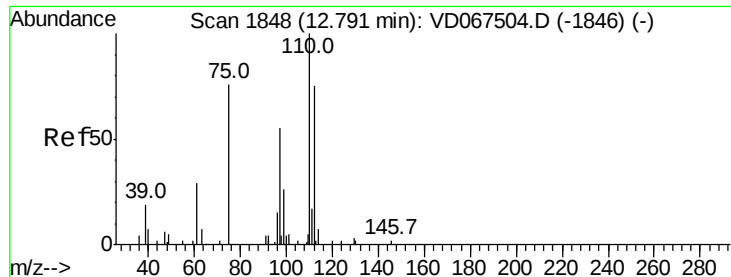
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067582.D
Acq: 10 Nov 2020 15:05

Tgt Ion:152 Resp: 226698
Ion Ratio Lower Upper
152 100
115 57.2 29.3 88.0
150 157.6 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: 78.297 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

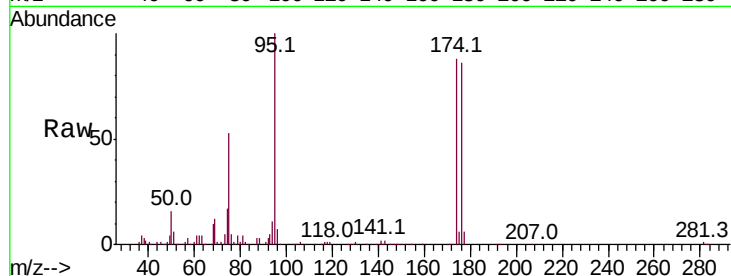
OR-03-110920

Tot Ion: 75 Resp: 107076

Ion Ratio Lower Upper

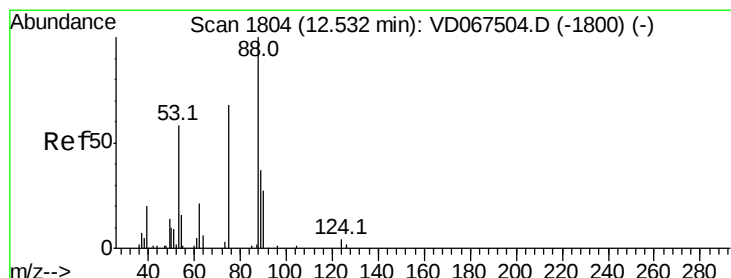
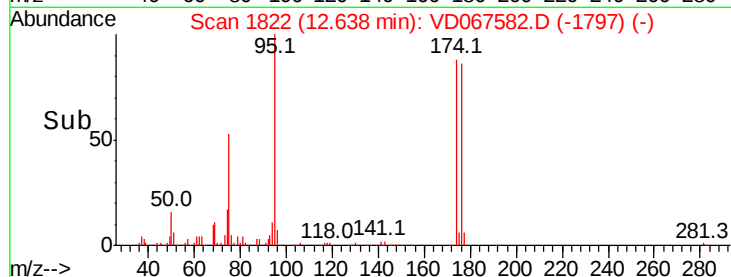
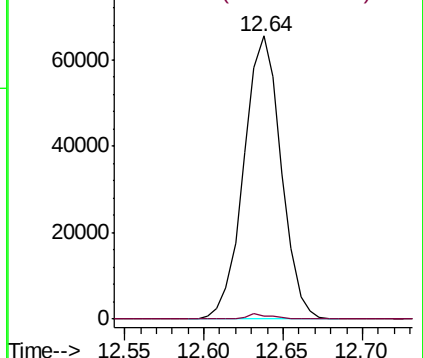
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 158.963 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067582.D

Acq: 10 Nov 2020 15:05

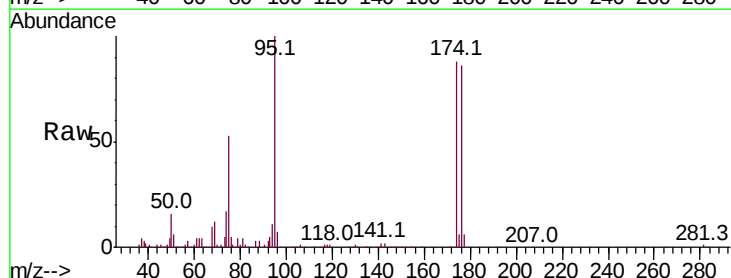
Tgt Ion: 75 Resp: 107076

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

