

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067707.D
 Acq On : 19 Nov 2020 14:43
 Operator : VA/SY
 Sample : L4804-02
 Misc : 6.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-012-ABCD

Quant Time: Nov 20 00:30:38 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	280736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	421890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	452989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	124652	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.92	113	131012	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.34	98	498765	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
62) 4-Bromofluorobenzene	12.64	95	202730	65.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.48%	

Target Compounds

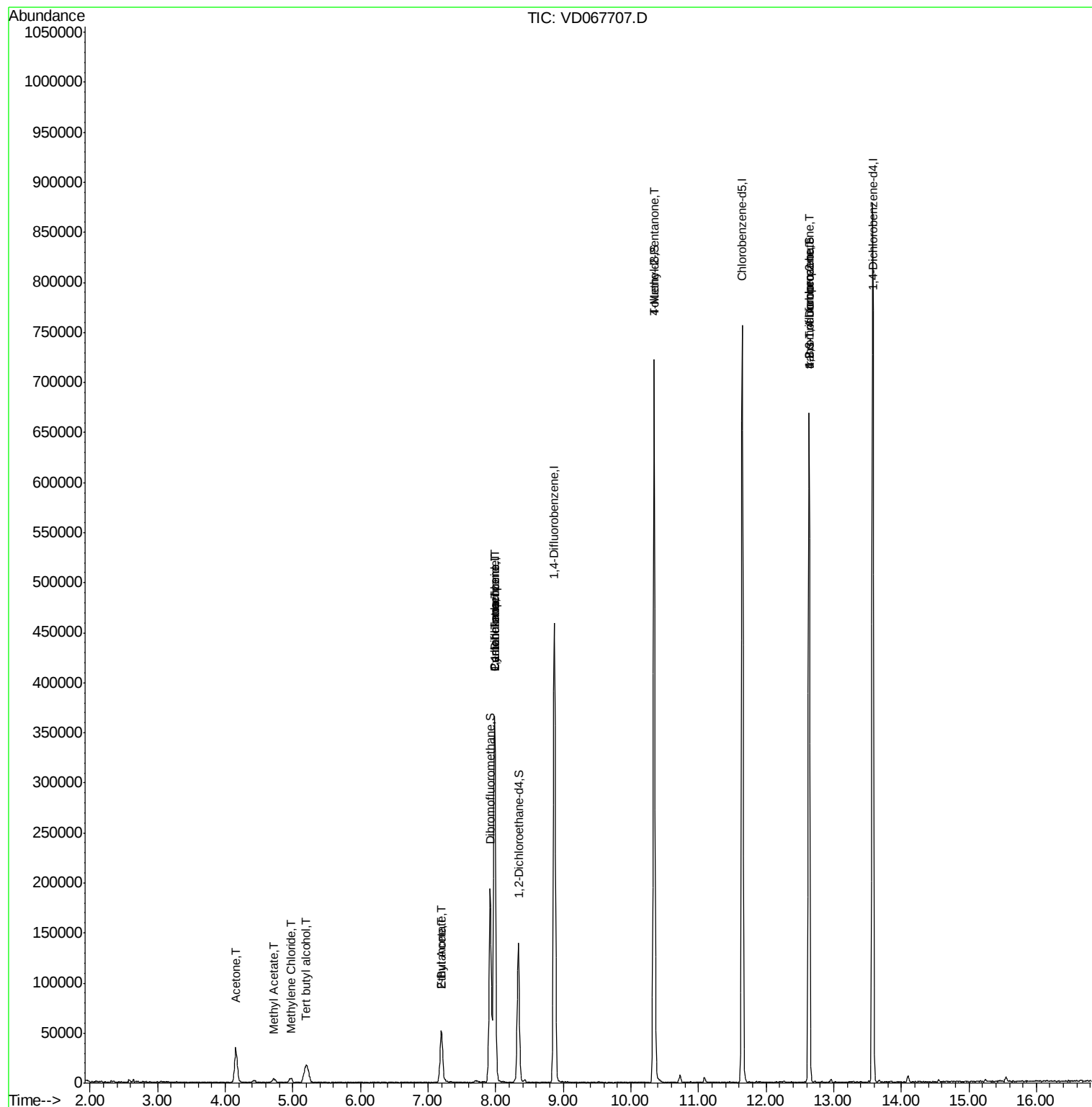
						Qvalue
2) Dichlorodifluoromethane	1.98	85	147	Below Cal	#	44
11) Tert butyl alcohol	5.20	59	30616	292.885	ug/l #	89
16) Acetone	4.16	43	60972	165.984	ug/l	96
18) Methyl Acetate	4.71	43	6058	7.981	ug/l	94
20) Methylene Chloride	4.97	84	3883	1.496	ug/l #	85
25) 2-Butanone	7.21	43	2745	6.993	ug/l #	68
31) Cyclohexane	7.98	56	5839	1.640	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	19693	5.453	ug/l #	51
37) Ethyl Acetate	7.21	43	2745	2.928	ug/l #	12
38) Carbon Tetrachloride	7.98	117	29019	6.185	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	1705	1.923	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	108406	73.782	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108406	149.798	ug/l #	10

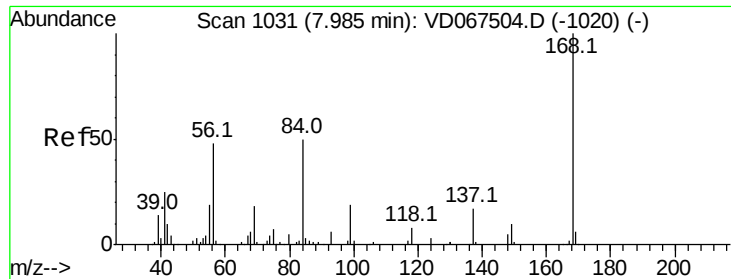
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111920\
Data File : VD067707.D
Acq On : 19 Nov 2020 14:43
Operator : VA/SY
Sample : L4804-02
Misc : 6.30G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-012-ABCD

Quant Time: Nov 20 00:30:38 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# 1031

Delta R.T. -0.00 min

Lab File: VD067707.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_D

ClientSampleId :

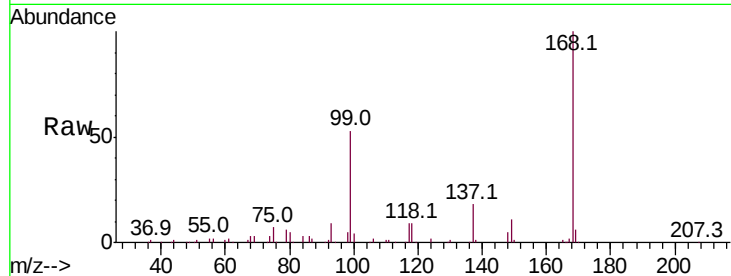
FK-BPM-04-012-ABCD

Tot Ion:168 Resp: 280736

Ion Ratio Lower Upper

168 100

99 53.0 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

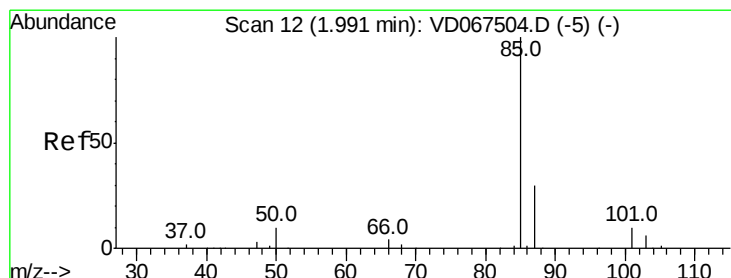
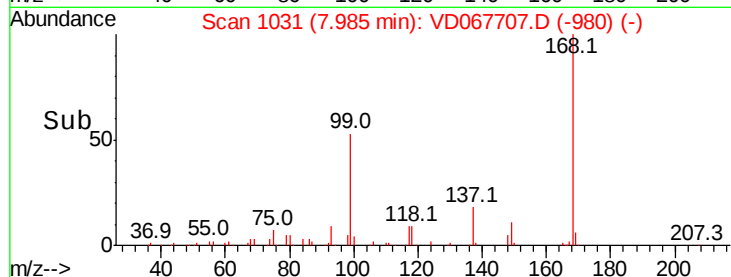
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067707.D

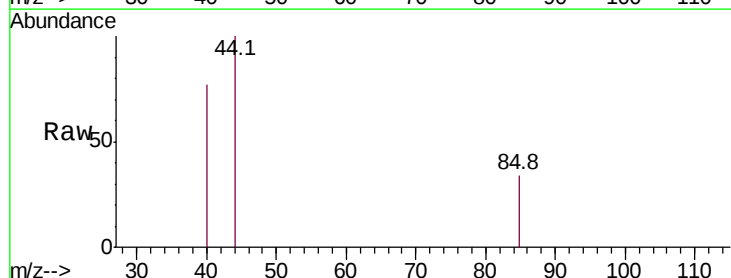
Acq: 19 Nov 2020 14:43

Tgt Ion: 85 Resp: 147

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

1.98

300

250

200

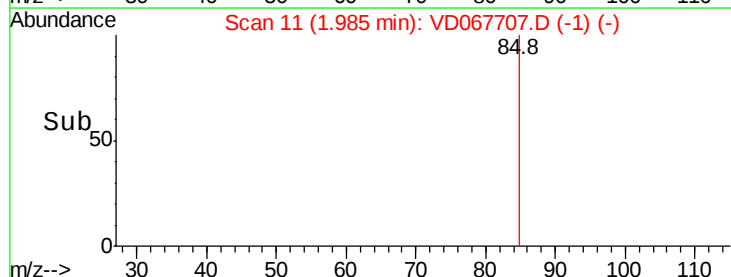
150

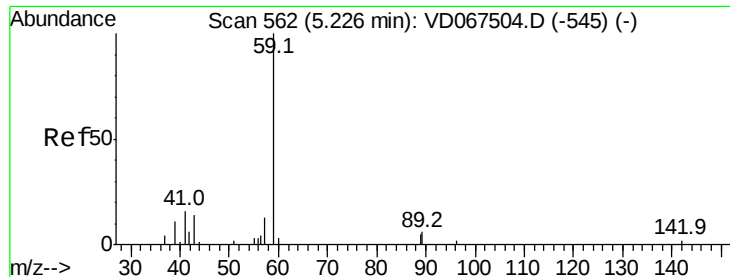
100

50

0

Time-->



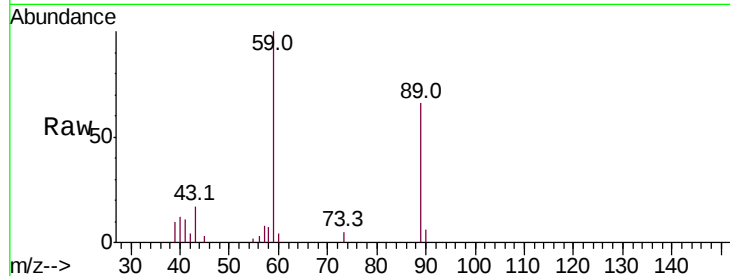


#11

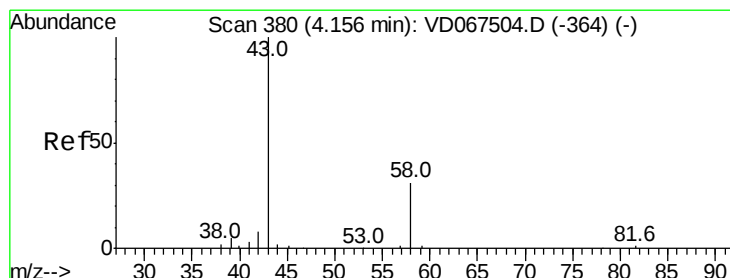
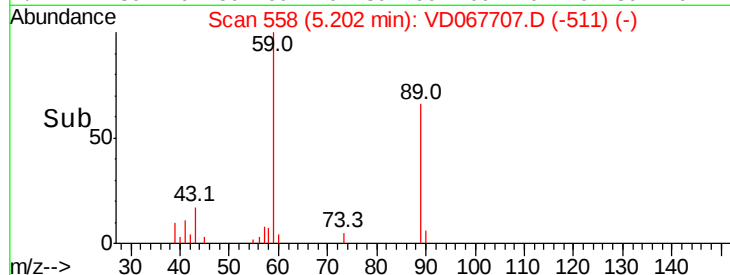
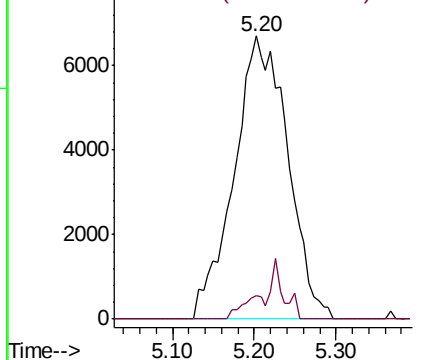
Tert butyl alcohol
 Concen: 292.885 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD067707.D
 Acq: 19 Nov 2020 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-012-ABCD

Tot Ion: 59 Resp: 30616
 Ion Ratio Lower Upper
 59 100
 57 3.5 5.9 8.9#



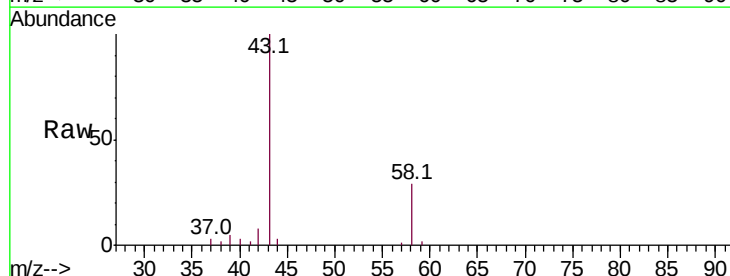
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



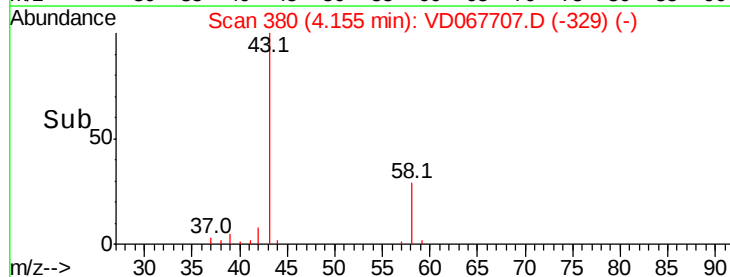
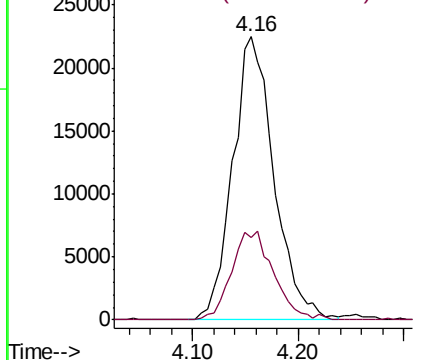
#16

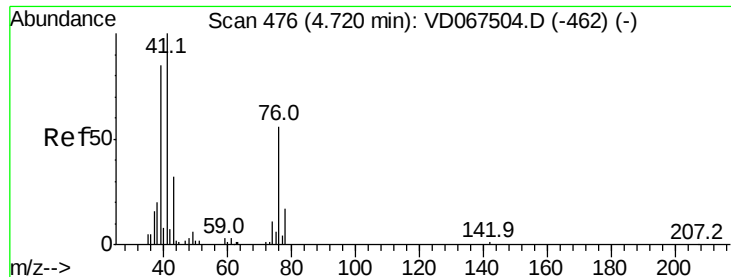
Acetone
 Concen: 165.984 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD067707.D
 Acq: 19 Nov 2020 14:43

Tgt Ion: 43 Resp: 60972
 Ion Ratio Lower Upper
 43 100
 58 29.3 25.2 37.8



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

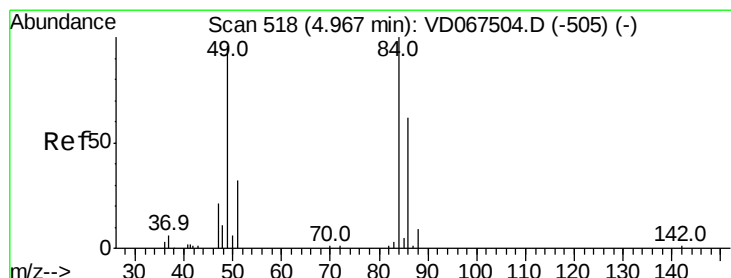
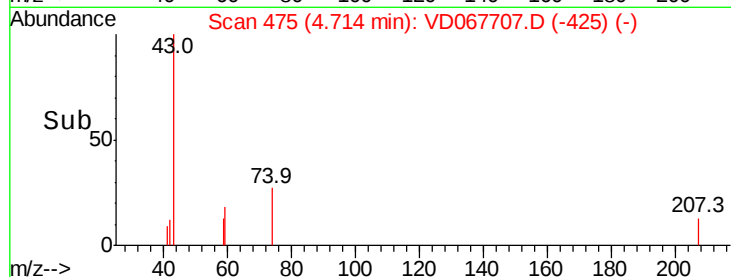
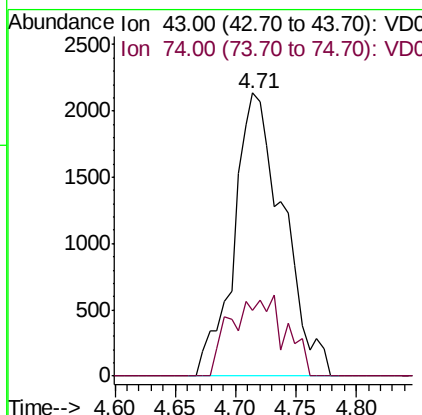
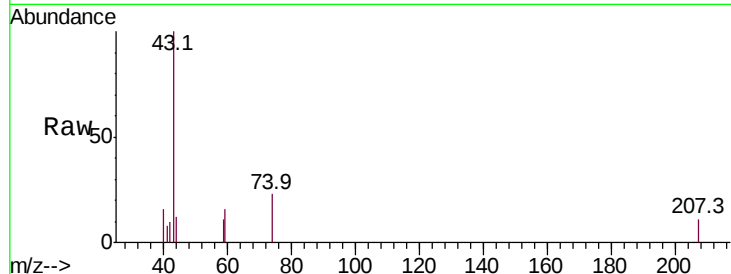




#18
Methyl Acetate
Concen: 7.981 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067707.D
Acq: 19 Nov 2020 14:43

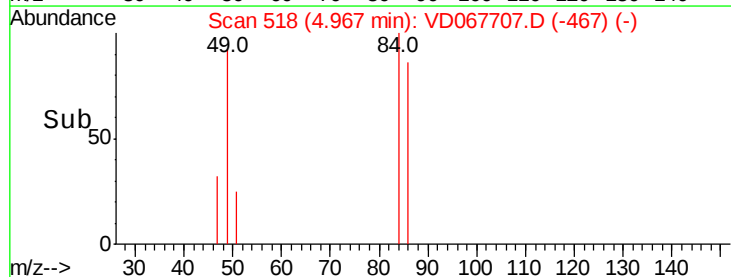
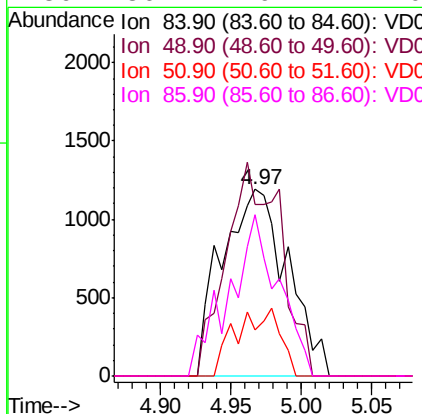
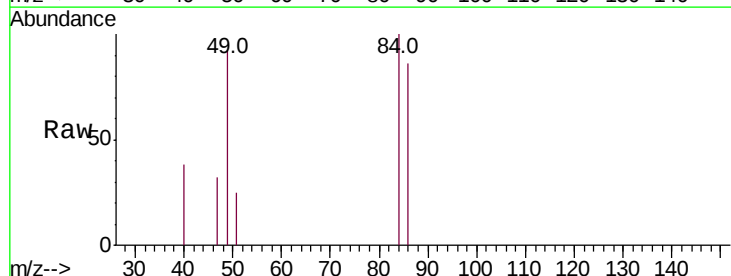
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-012-ABCD

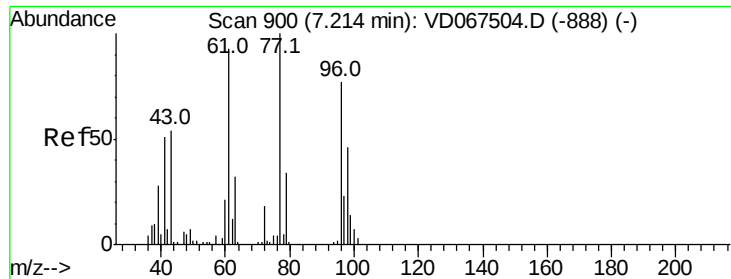
Tot Ion: 43 Resp: 6058
Ion Ratio Lower Upper
43 100
74 30.8 27.2 40.8



#20
Methylene Chloride
Concen: 1.496 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067707.D
Acq: 19 Nov 2020 14:43

Tgt Ion: 84 Resp: 3883
Ion Ratio Lower Upper
84 100
49 92.1 77.0 115.4
51 24.9 25.4 38.2#
86 86.4 49.4 74.0#





#25

2-Butanone

Concen: 6.993 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067707.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_D

ClientSampleId :

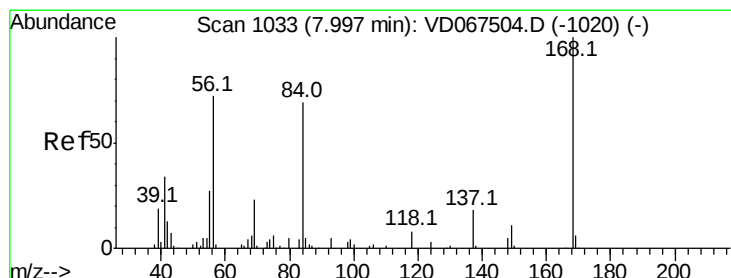
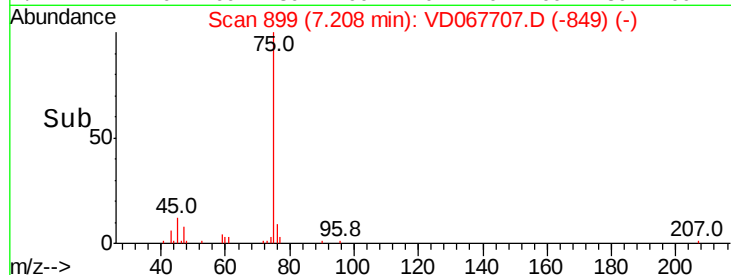
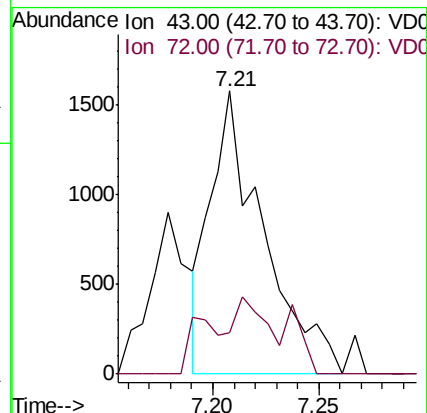
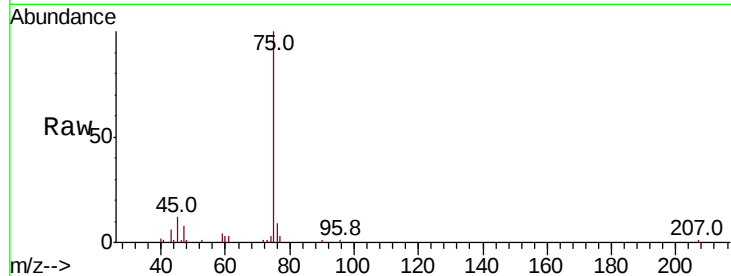
FK-BPM-04-012-ABCD

Tot Ion: 43 Resp: 2745

Ion Ratio Lower Upper

43 100

72 14.8 26.4 39.6#



#31

Cyclohexane

Concen: 1.640 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067707.D

Acq: 19 Nov 2020 14:43

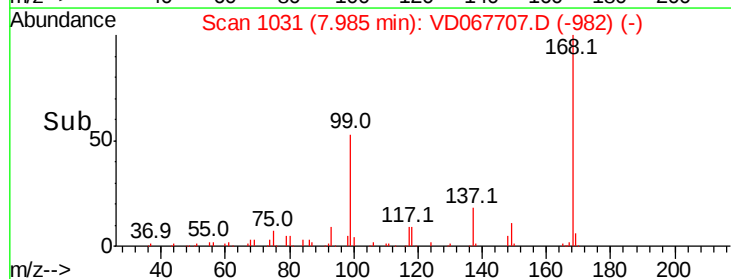
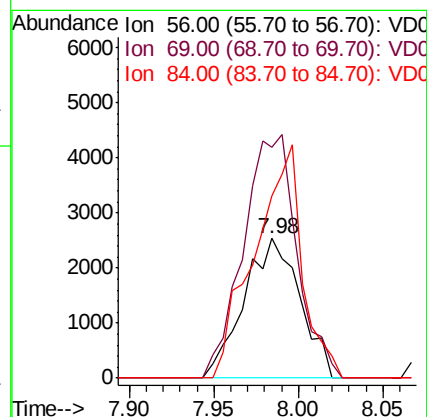
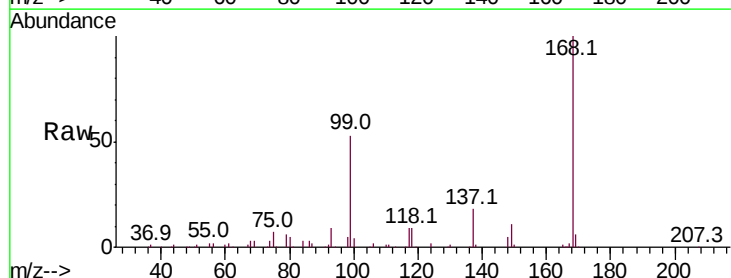
Tgt Ion: 56 Resp: 5839

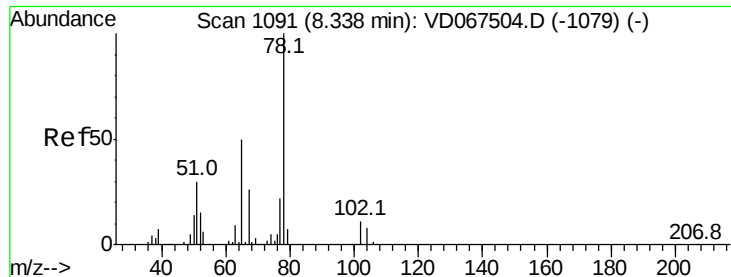
Ion Ratio Lower Upper

56 100

69 166.1 25.9 38.9#

84 130.4 76.2 114.4#

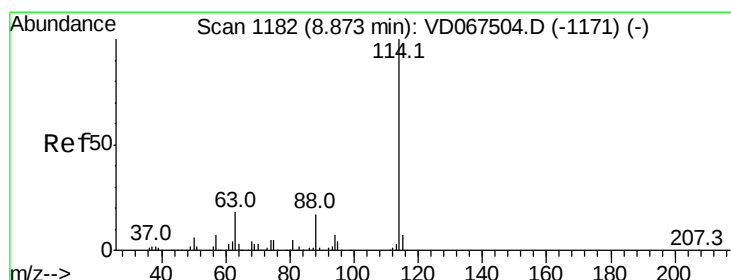
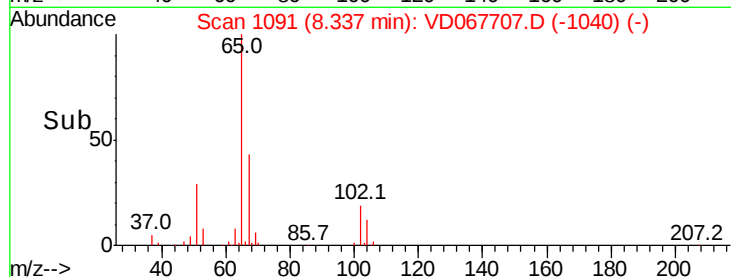
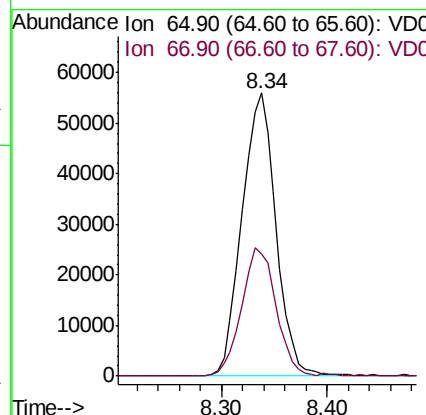
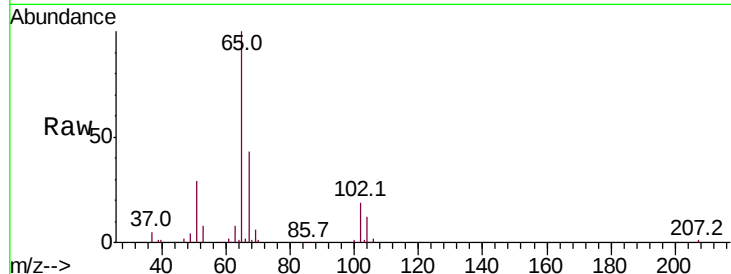




#33
 1,2-Dichloroethane-d4
 Concen: 50.780 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067707.D
 Acq: 19 Nov 2020 14:43

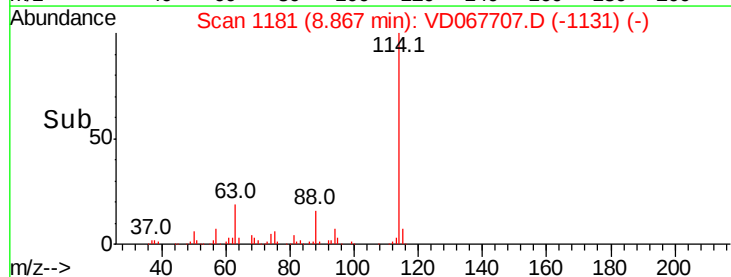
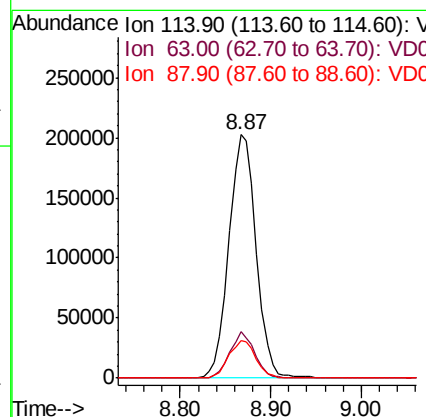
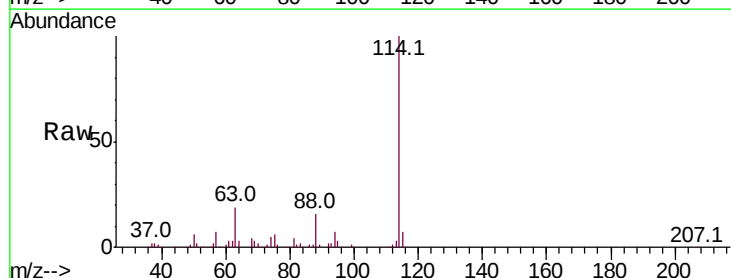
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-012-ABCD

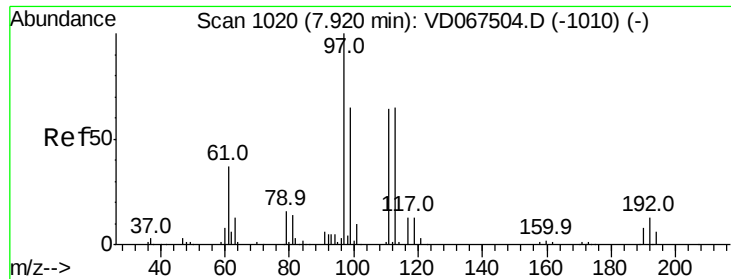
Tot Ion: 65 Resp: 124652
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067707.D
 Acq: 19 Nov 2020 14:43

Tgt Ion: 114 Resp: 421890
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.0
 88 15.6 0.0 33.0

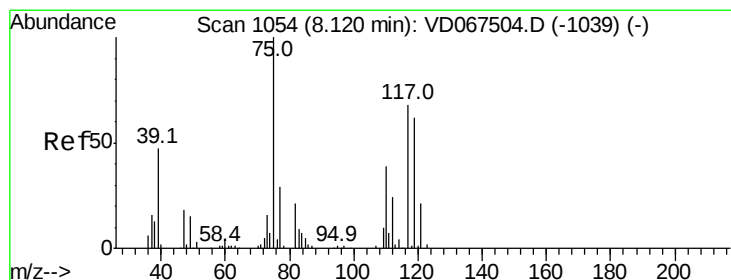
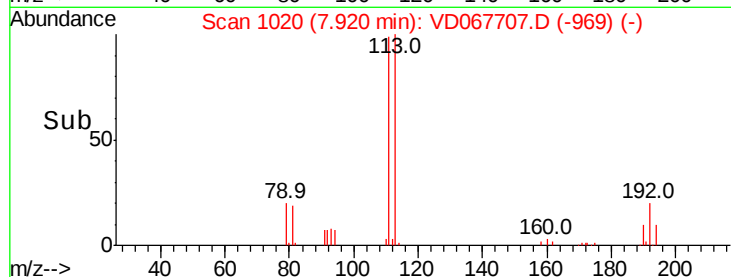
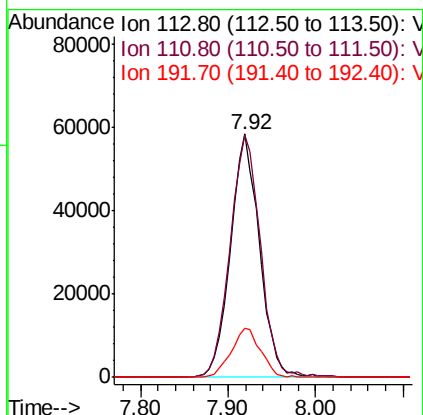
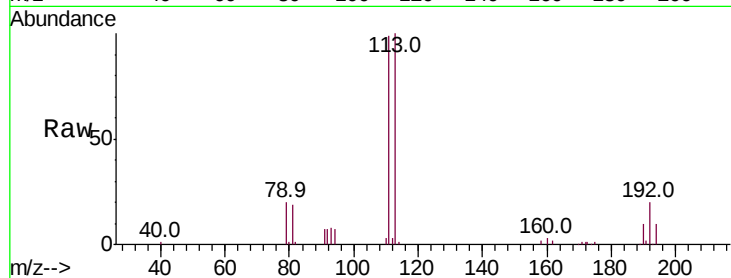




#35
 Dibromofluoromethane
 Concen: 51.541 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067707.D
 Acq: 19 Nov 2020 14:43

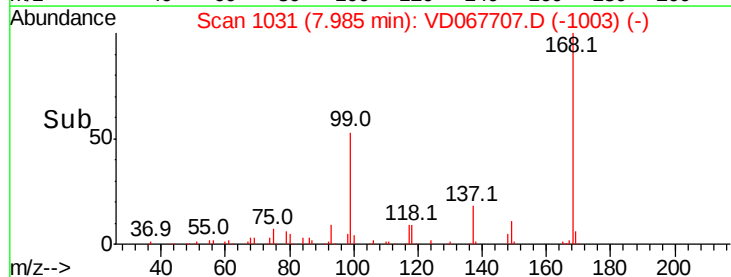
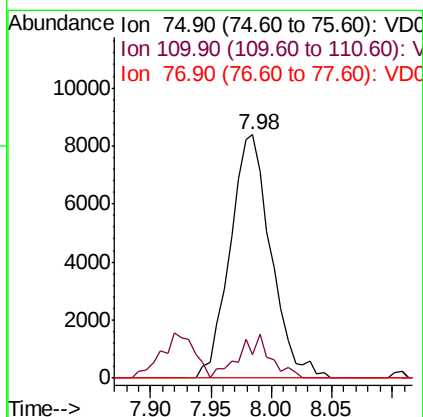
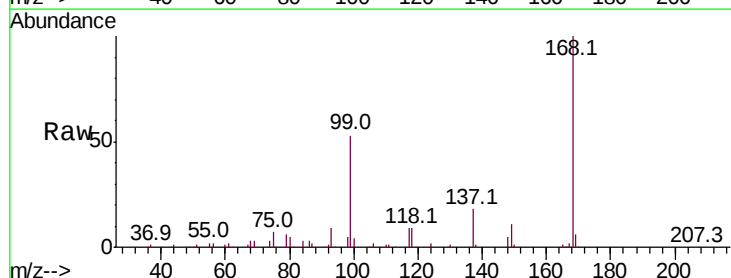
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-012-ABCD

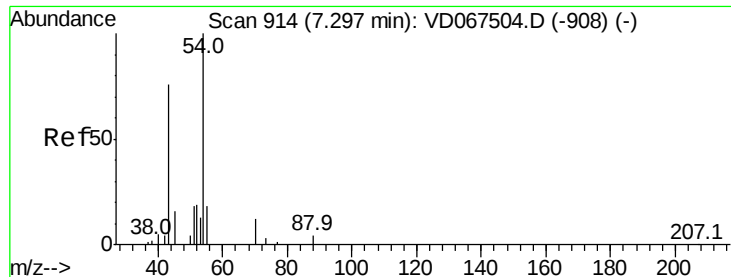
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.0	120.0
192	20.3	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 5.453 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067707.D
 Acq: 19 Nov 2020 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.6	19.9	59.7#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 2.928 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.09 min

Lab File: VD067707.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-012-ABCD

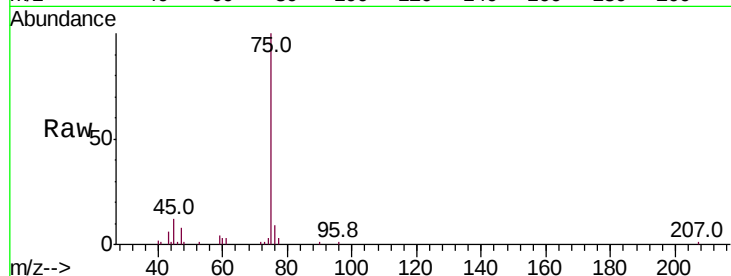
Tot Ion: 43 Resp: 2745

Ion Ratio Lower Upper

43 100

61 74.1 12.8 19.2#

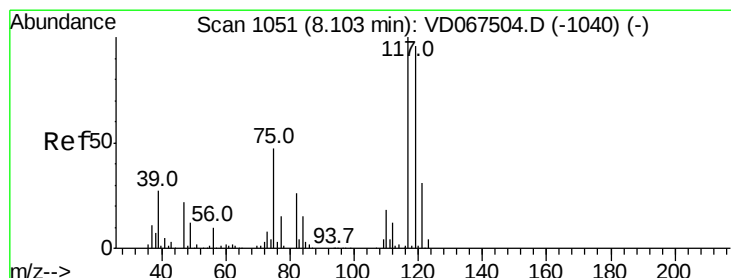
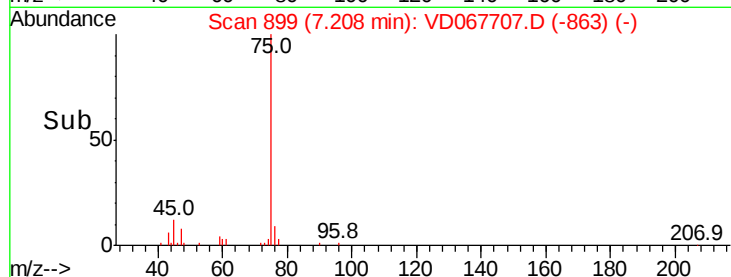
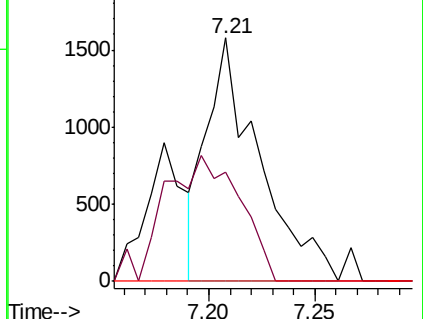
70 0.0 11.7 17.5#



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



#38

Carbon Tetrachloride

Concen: 6.185 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067707.D

Acq: 19 Nov 2020 14:43

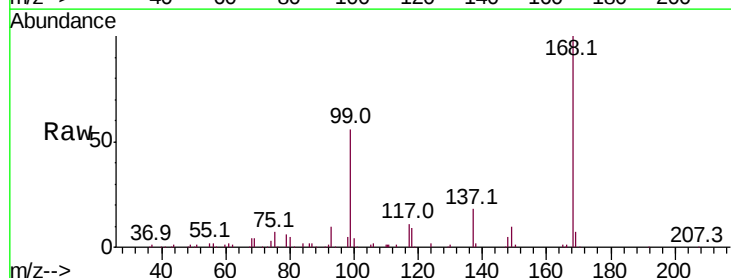
Tgt Ion: 117 Resp: 29019

Ion Ratio Lower Upper

117 100

119 3.6 76.9 115.3#

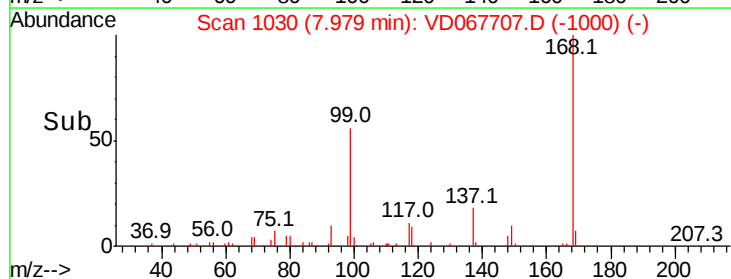
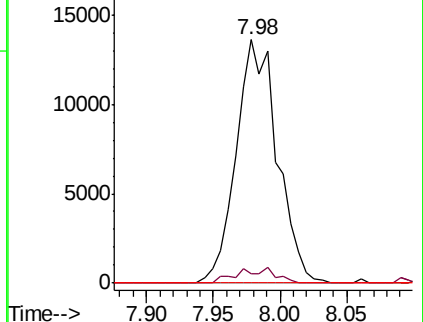
121 0.0 24.5 36.7#

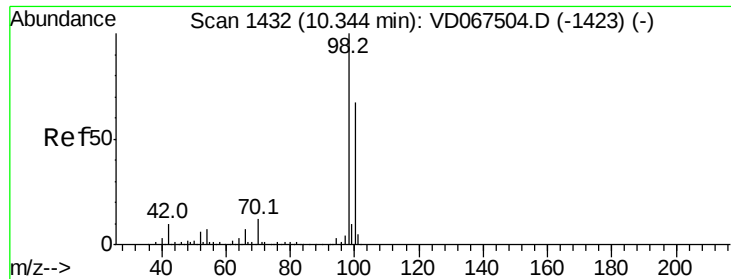


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

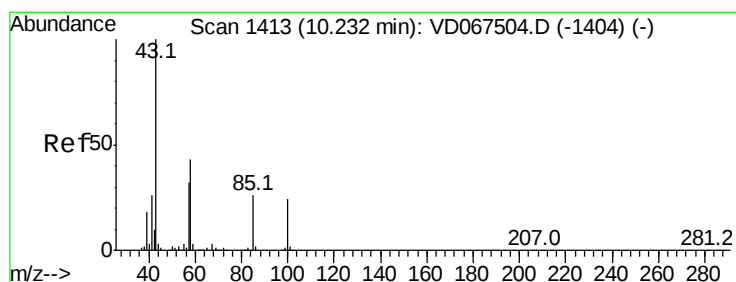
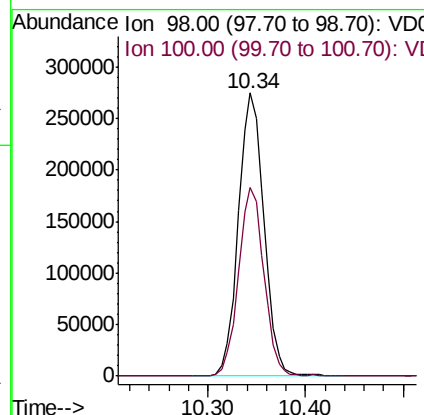
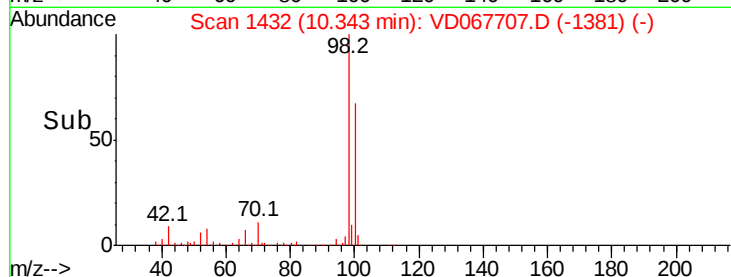
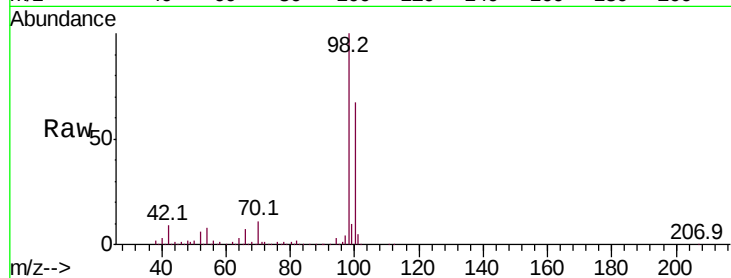




#50
Toluene-d8
Concen: 55.836 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067707.D
Acq: 19 Nov 2020 14:43

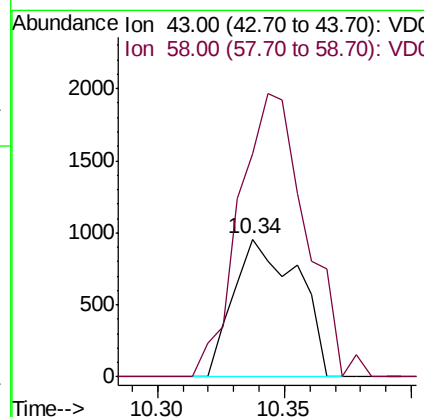
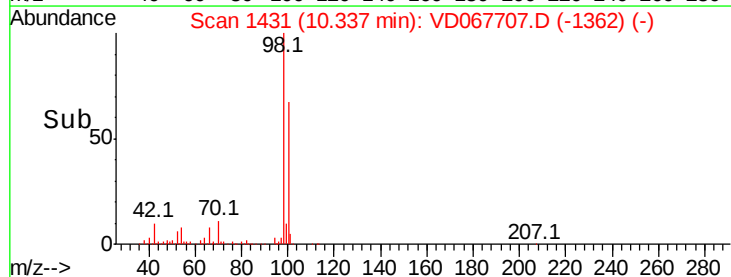
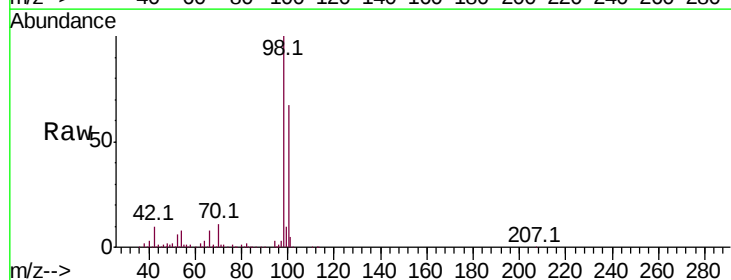
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-012-ABCD

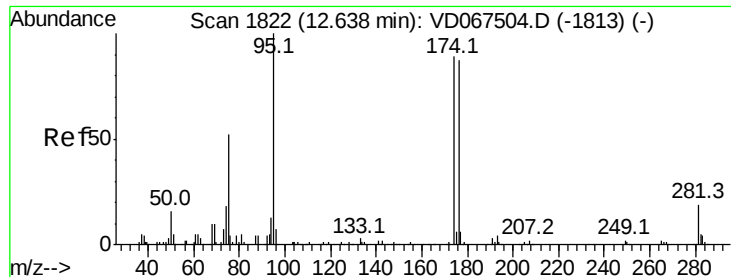
Tot Ion: 98 Resp: 498765
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.923 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067707.D
Acq: 19 Nov 2020 14:43

Tgt Ion: 43 Resp: 1705
Ion Ratio Lower Upper
43 100
58 212.0 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 65.736 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067707.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-012-ABCD

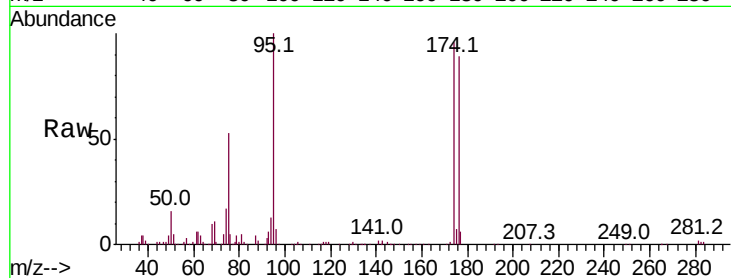
Tot Ion: 95 Resp: 202730

Ion Ratio Lower Upper

95 100

174 94.5 0.0 177.8

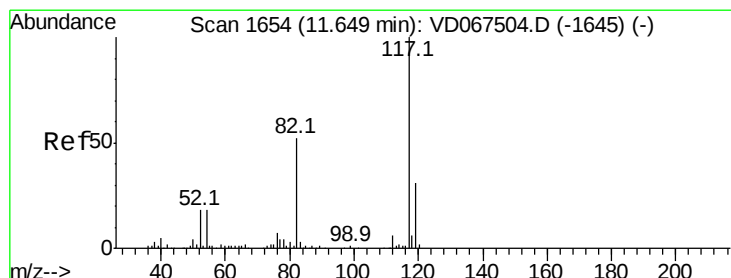
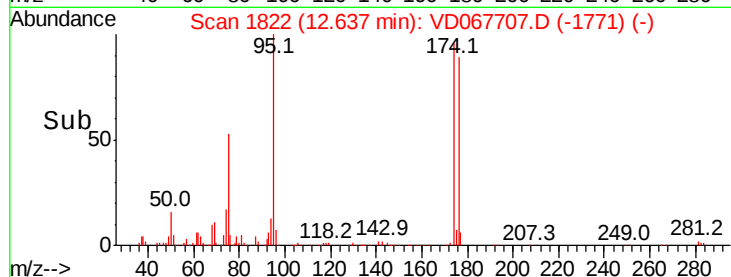
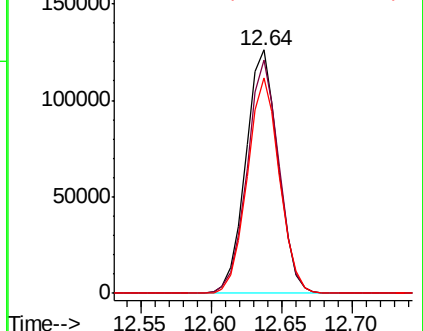
176 88.2 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD067707.D

Acq: 19 Nov 2020 14:43

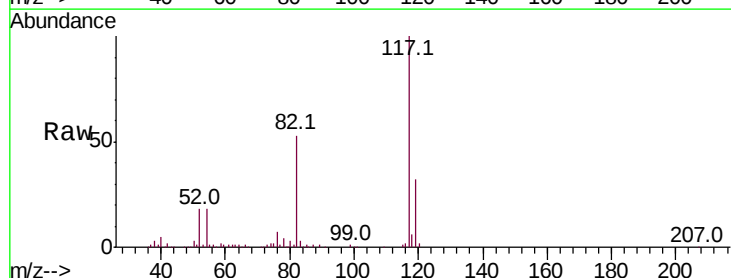
Tgt Ion: 117 Resp: 452989

Ion Ratio Lower Upper

117 100

82 53.4 41.6 62.4

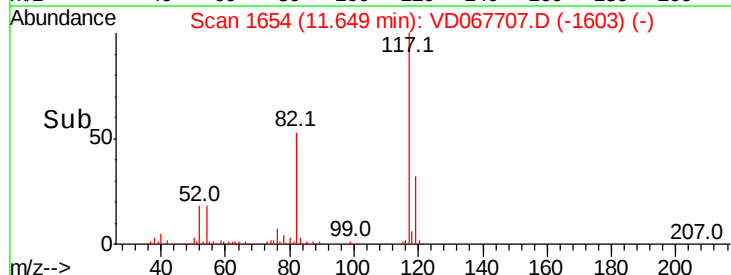
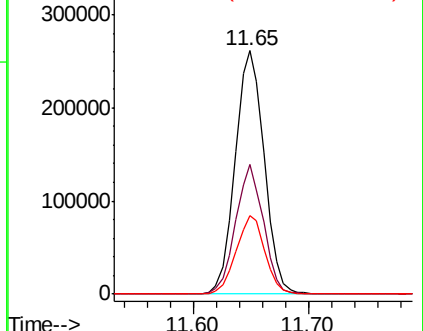
119 32.4 25.1 37.7

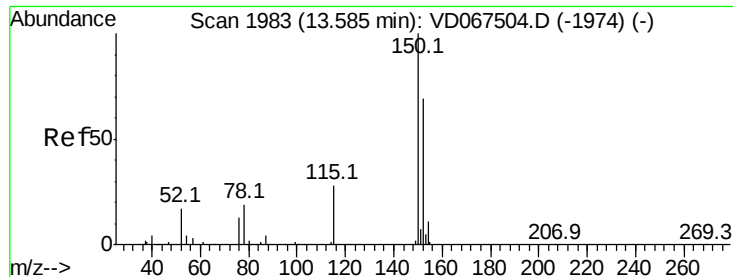


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067707.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-012-ABCD

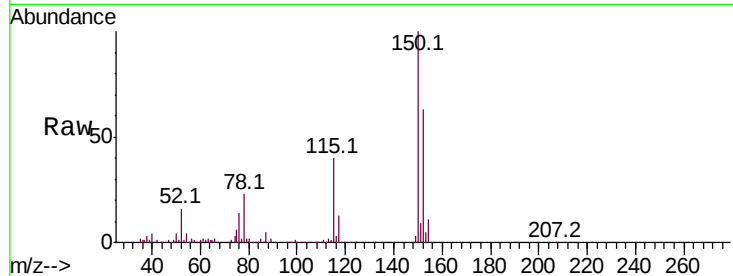
Tot Ion:152 Resp: 243556

Ion Ratio Lower Upper

152 100

115 59.4 29.3 88.0

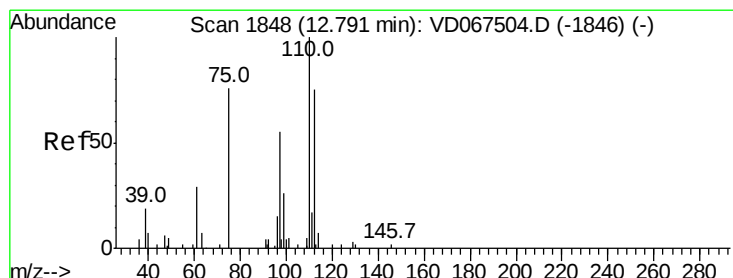
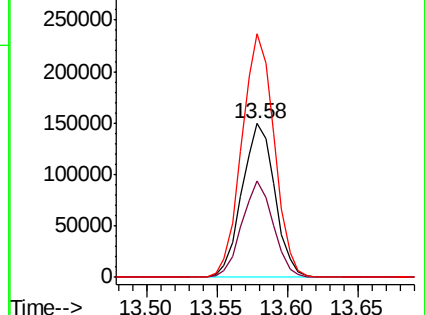
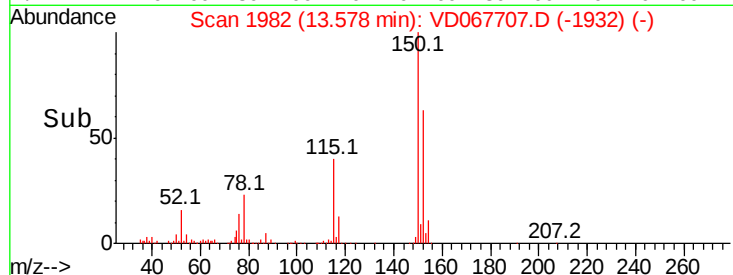
150 156.3 0.0 338.2



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: 73.782 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067707.D

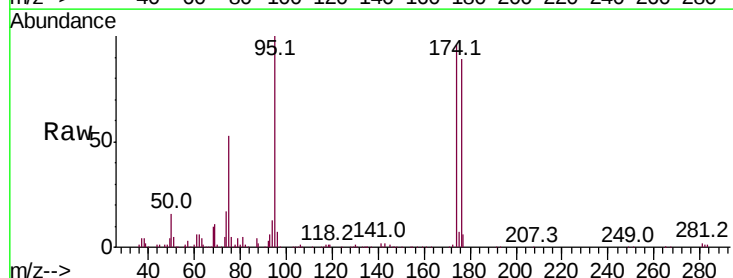
Acq: 19 Nov 2020 14:43

Tgt Ion: 75 Resp: 108406

Ion Ratio Lower Upper

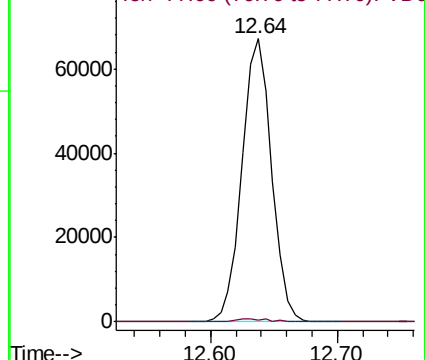
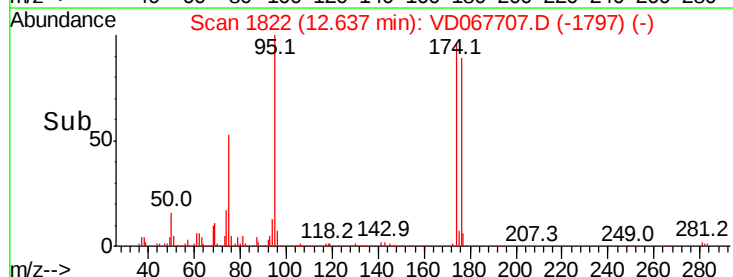
75 100

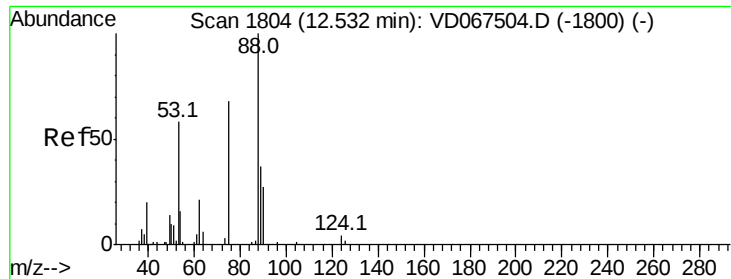
77 1.3 0.0 0.0#



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: 149.798 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067707.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-012-ABCD

Tot Ion: 75 Resp: 108406

Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

89 0.0 44.6 67.0#

