

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067361.D
 Acq On : 22 Oct 2020 14:44
 Operator : VA/SY
 Sample : L4484-01
 Misc : 4.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Oct 23 06:09:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	323885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	519933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	508921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256595	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	172023	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.92	113	172675	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.34	98	606782	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.64	95	217647	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	

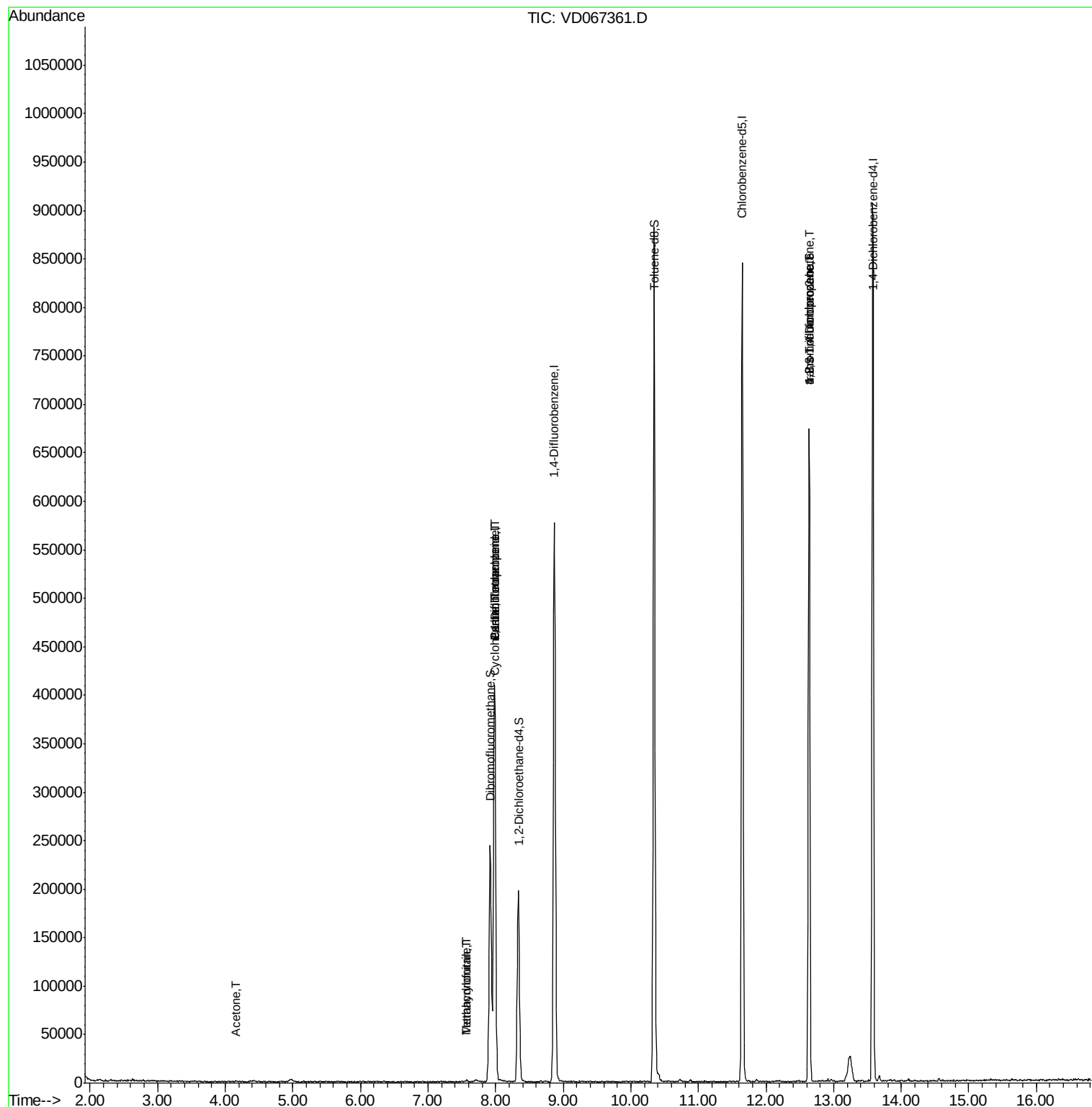
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	173	Below Cal	#	44
5) Bromomethane	2.79	94	70	Below Cal	#	3
11) Tert butyl alcohol	5.17	59	62	Below Cal	#	81
16) Acetone	4.16	43	732	1.611	ug/l #	42
20) Methylene Chloride	4.96	84	1115	Below Cal	#	77
29) Tetrahydrofuran	7.56	42	894	3.105	ug/l #	64
31) Cyclohexane	8.00	56	6327	1.693	ug/l #	54
36) 1,1-Dichloropropene	7.98	75	22706	5.153	ug/l #	50
38) Carbon Tetrachloride	7.98	117	34171	6.067	ug/l #	16
41) Methacrylonitrile	7.57	41	852	1.216	ug/l #	11
76) 1,2,3-Trichloropropane	12.64	75	112835	63.446	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112835	143.876	ug/l #	10

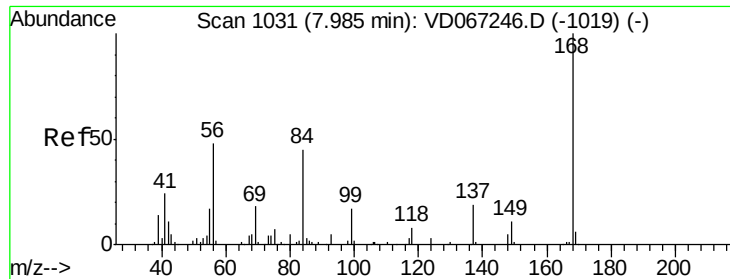
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102220\
Data File : VD067361.D
Acq On : 22 Oct 2020 14:44
Operator : VA/SY
Sample : L4484-01
Misc : 4.58G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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BFB

Quant Time: Oct 23 06:09:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067361.D

Acq: 22 Oct 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

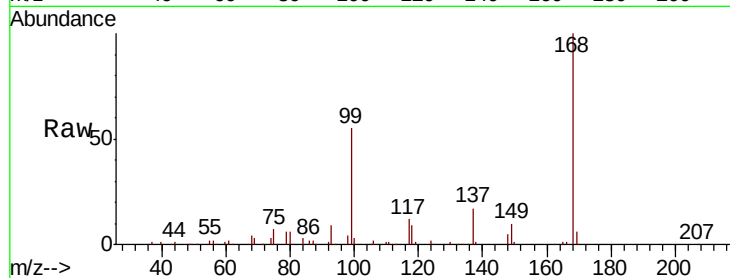
BFB

Tot Ion:168 Resp: 323885

Ion Ratio Lower Upper

168 100

99 55.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

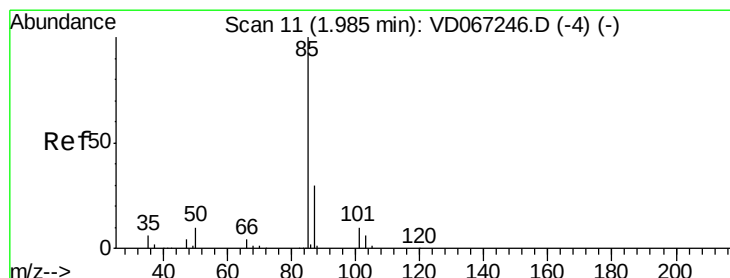
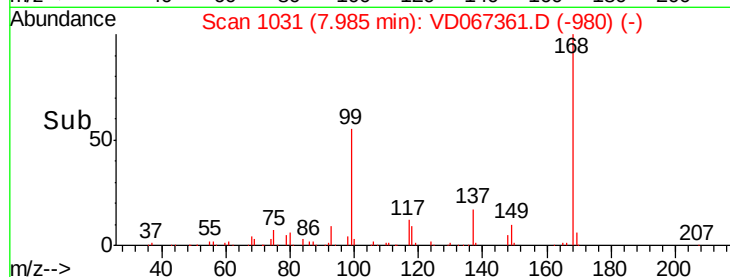
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067361.D

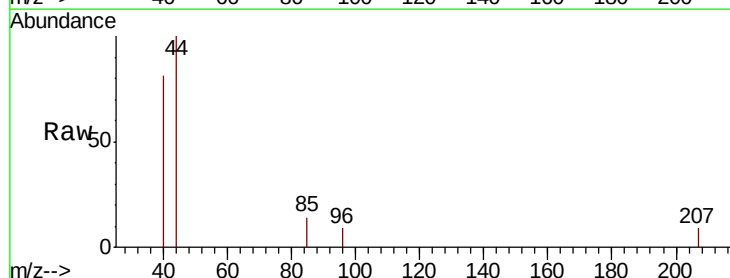
Acq: 22 Oct 2020 14:44

Tgt Ion: 85 Resp: 173

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300

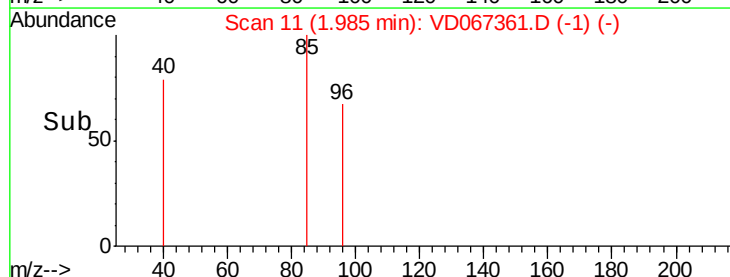
200

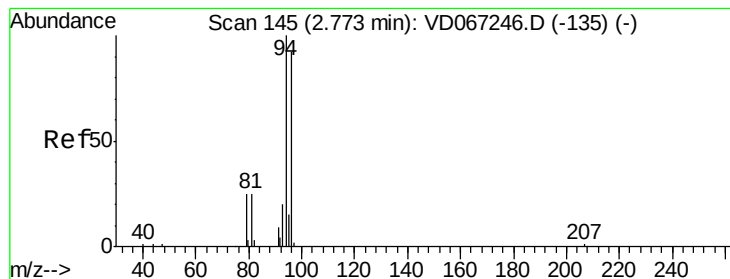
100

0

1.96 1.98 2.00

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067361.D

Acq: 22 Oct 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

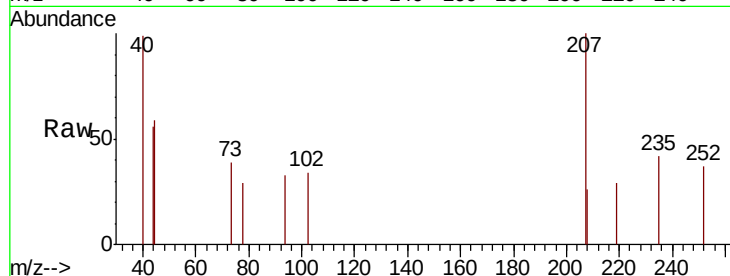
BFB

Tot Ion: 94 Resp: 70

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

300

250

200

150

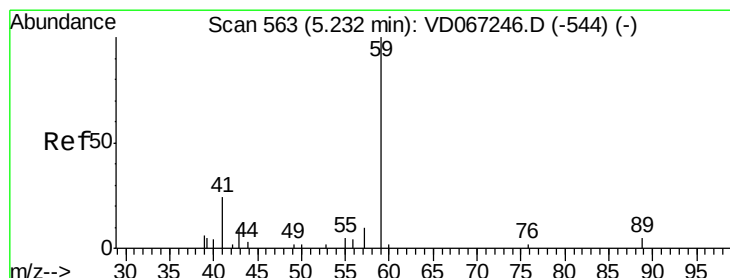
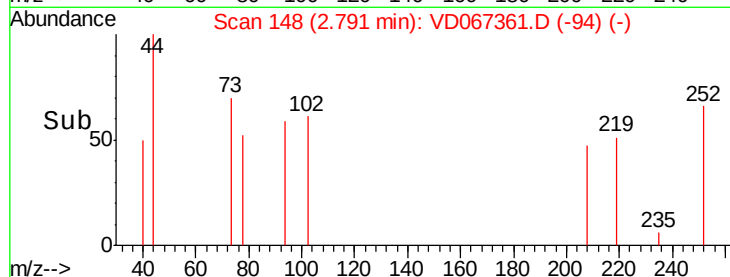
100

50

0

2.77 2.78 2.79 2.80 2.81

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.06 min

Lab File: VD067361.D

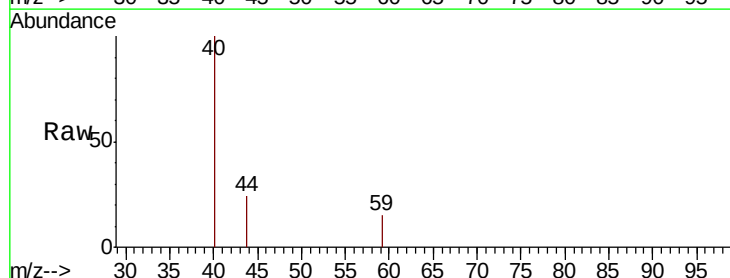
Acq: 22 Oct 2020 14:44

Tgt Ion: 59 Resp: 62

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

200

150

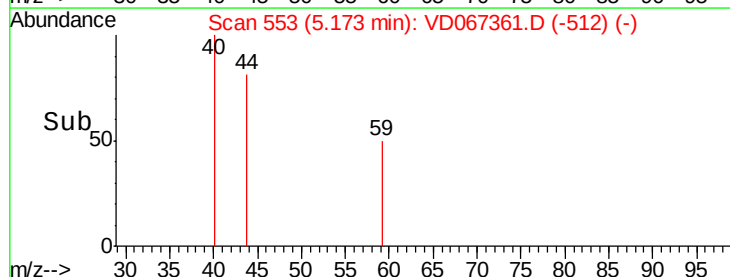
100

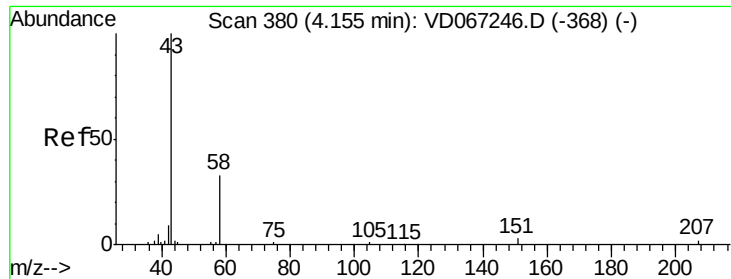
50

0

5.15 5.16 5.17 5.18 5.19

Time-->





#16

Acetone

Concen: 1.611 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067361.D

Acq: 22 Oct 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

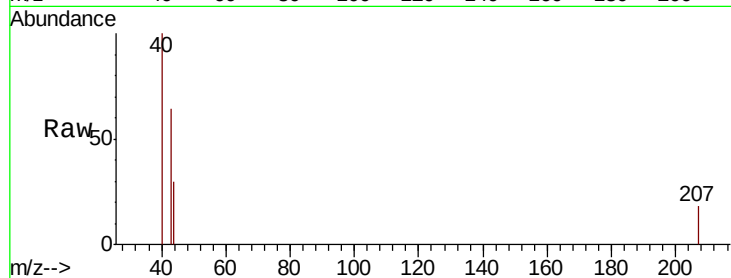
BFB

Tot Ion: 43 Resp: 732

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

600

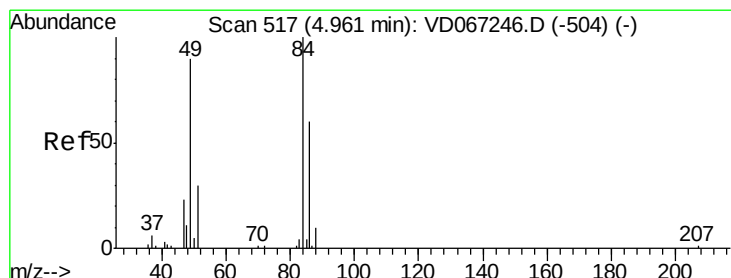
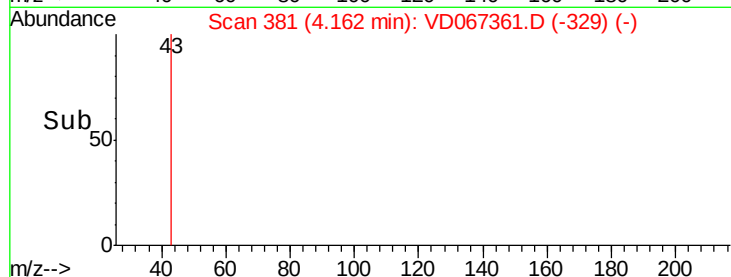
400

200

0

4.15 4.20

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067361.D

Acq: 22 Oct 2020 14:44

Tgt Ion: 84 Resp: 1115

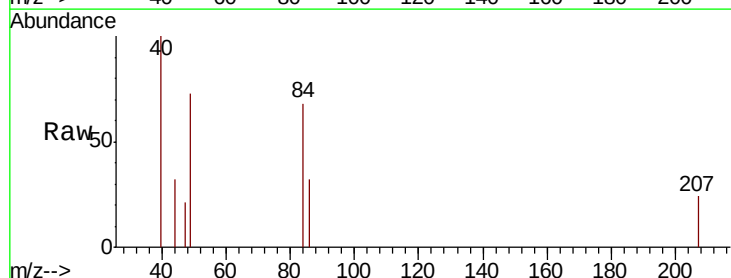
Ion Ratio Lower Upper

84 100

49 106.1 72.2 108.2

51 0.0 23.8 35.8#

86 47.2 48.2 72.4#



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

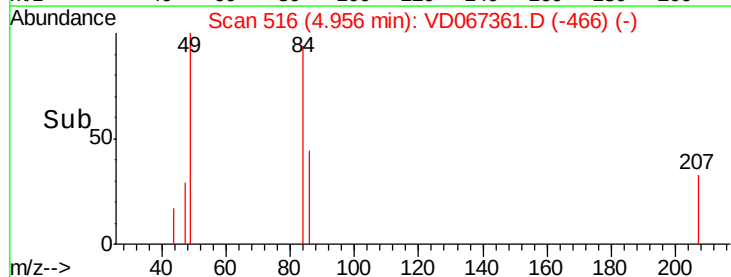
1000

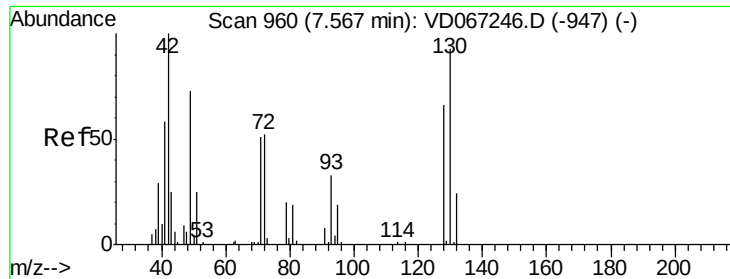
500

0

4.90 4.92 4.94 4.96 4.98

Time-->

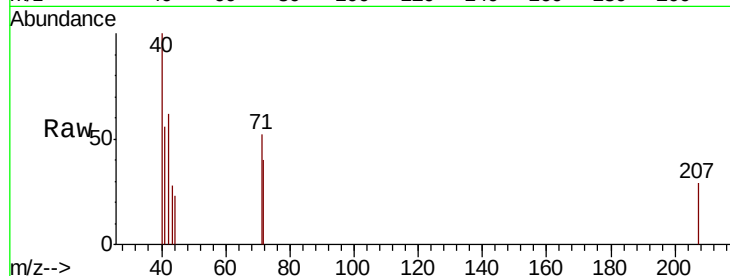




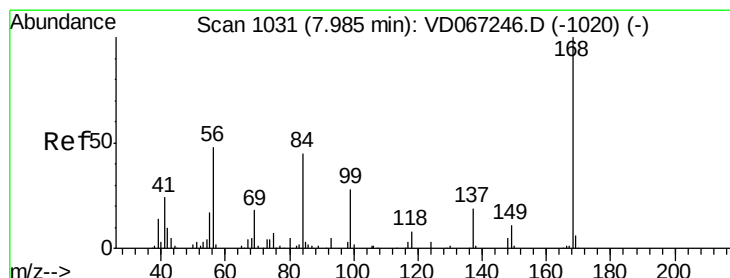
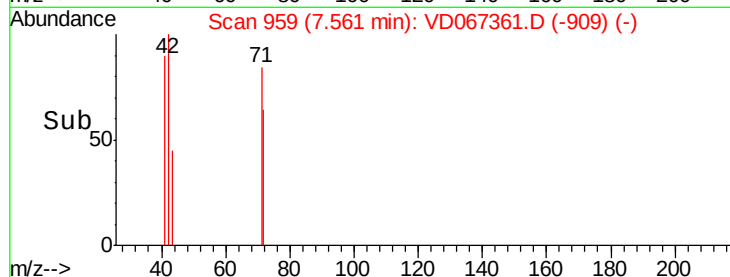
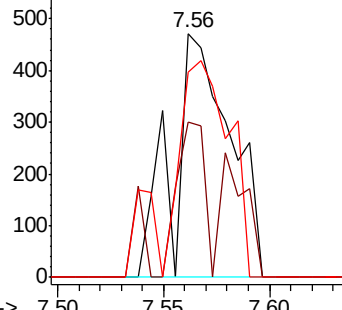
#29
Tetrahydrofuran
Concen: 3.105 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067361.D
Acq: 22 Oct 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 42 Resp: 894
Ion Ratio Lower Upper
42 100
72 30.4 43.2 64.8#
71 76.1 39.4 59.0#

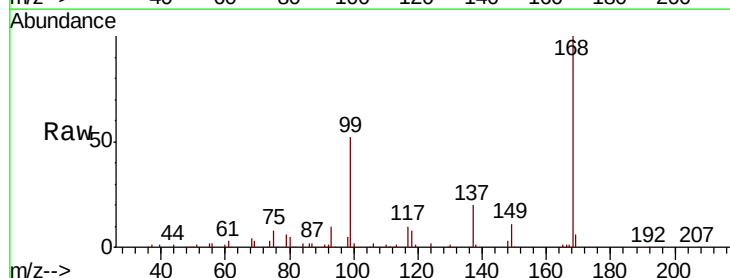


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

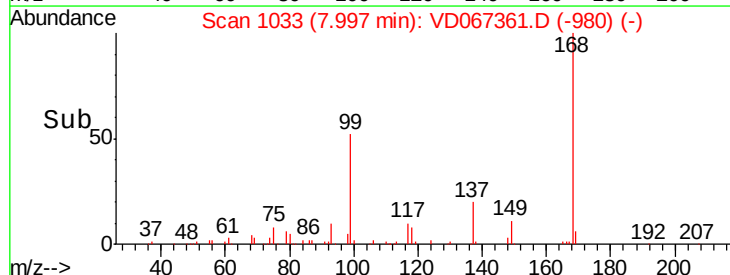
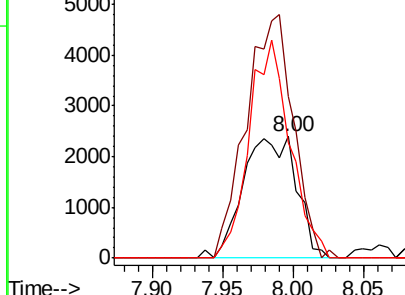


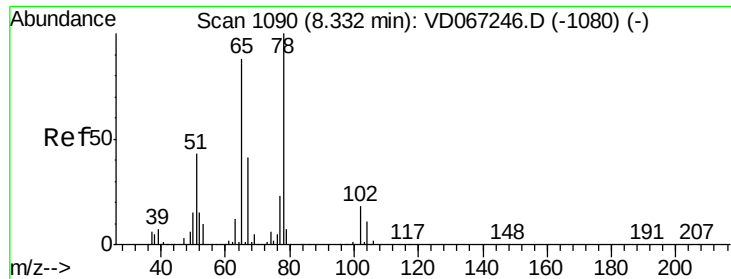
#31
Cyclohexane
Concen: 1.693 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD067361.D
Acq: 22 Oct 2020 14:44

Tgt Ion: 56 Resp: 6327
Ion Ratio Lower Upper
56 100
69 132.6 29.8 44.6#
84 94.5 76.6 114.8



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

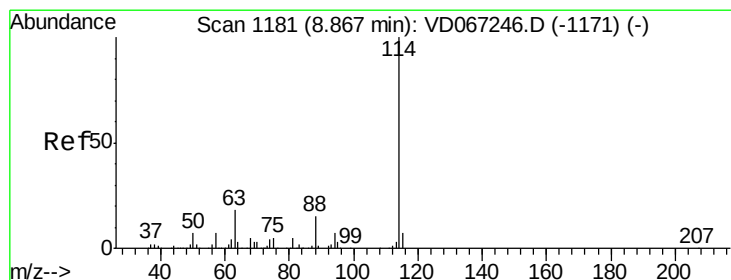
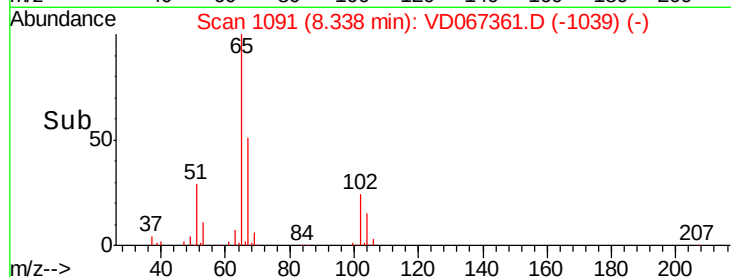
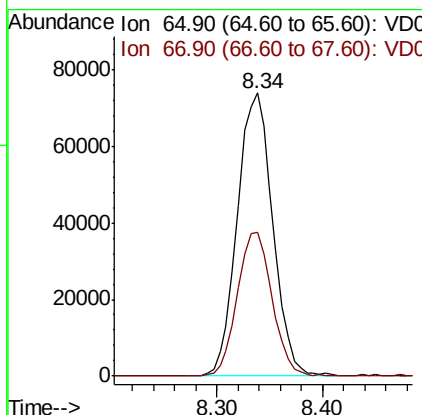
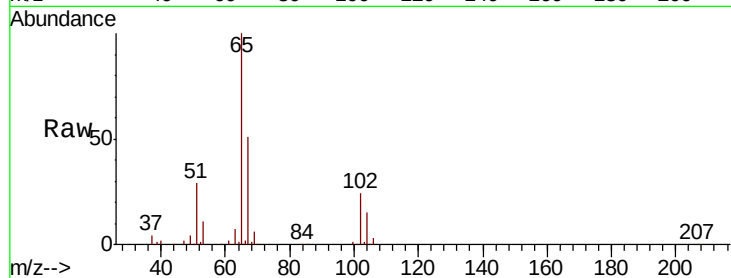




#33
 1,2-Dichloroethane-d4
 Concen: 53.014 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067361.D
 Acq: 22 Oct 2020 14:44

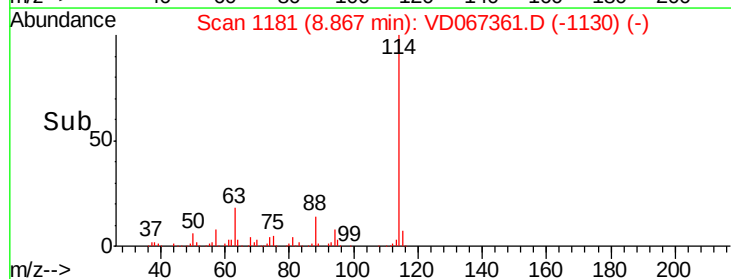
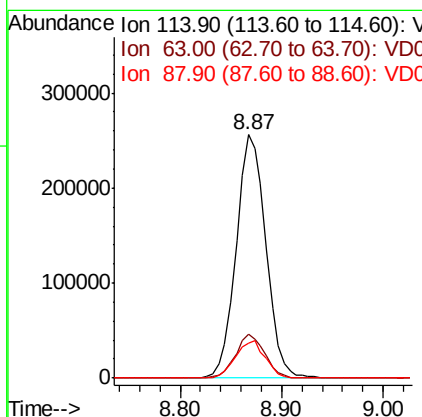
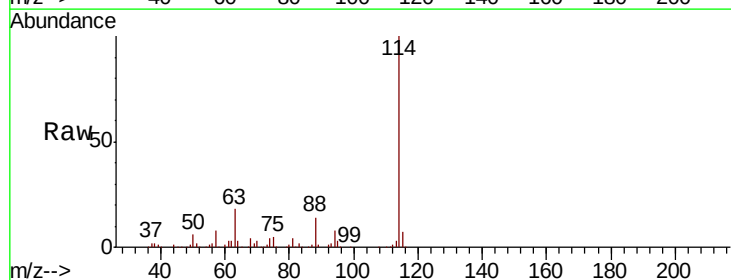
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

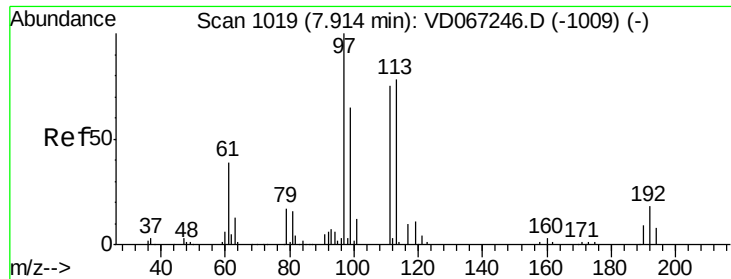
Tot Ion: 65 Resp: 172023
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067361.D
 Acq: 22 Oct 2020 14:44

Tgt Ion: 114 Resp: 519933
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.0
 88 14.2 0.0 30.6

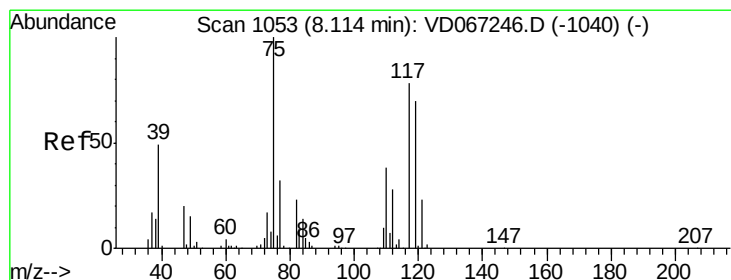
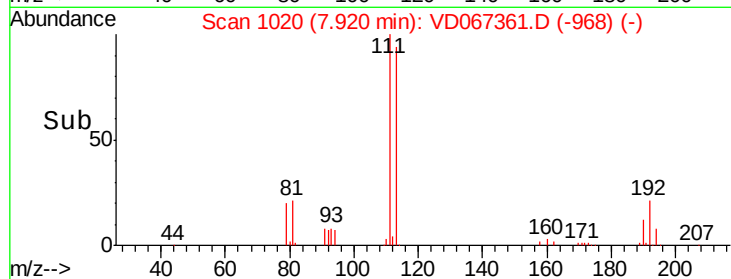
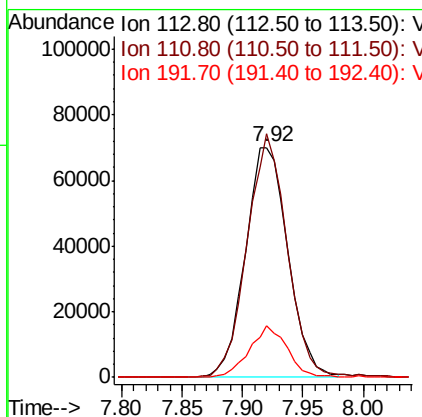
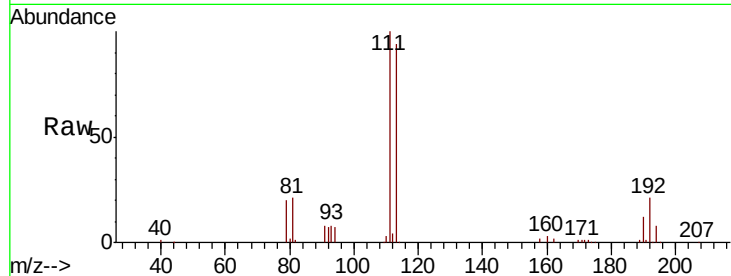




#35
 Dibromofluoromethane
 Concen: 49.904 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067361.D
 Acq: 22 Oct 2020 14:44

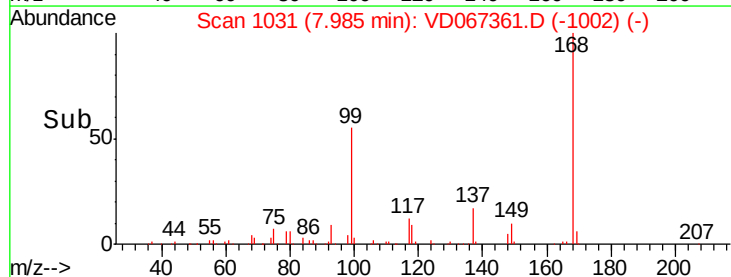
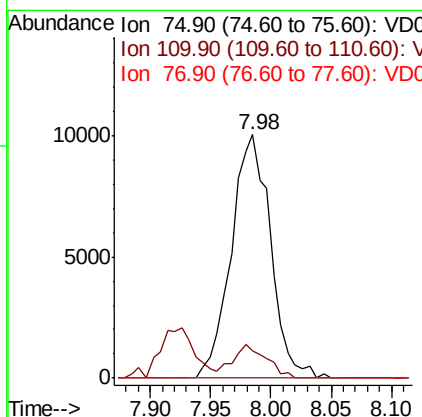
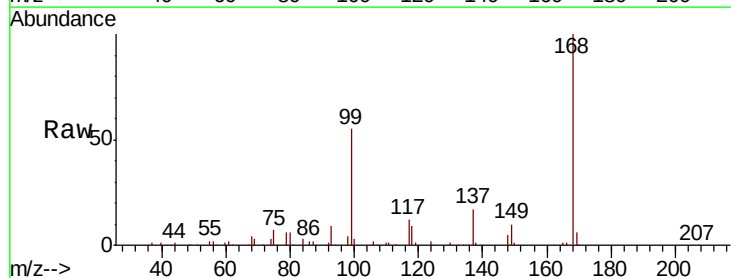
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

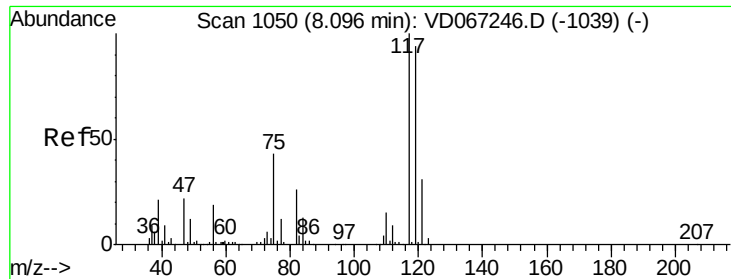
Tot Ion:113 Resp: 172675
 Ion Ratio Lower Upper
 113 100
 111 99.8 81.6 122.4
 192 20.0 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.153 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067361.D
 Acq: 22 Oct 2020 14:44

Tgt Ion: 75 Resp: 22706
 Ion Ratio Lower Upper
 75 100
 110 11.8 19.6 58.7#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.067 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067361.D

Acq: 22 Oct 2020 14:44

Instrument :

MSVOA_D

ClientSampled :

BFB

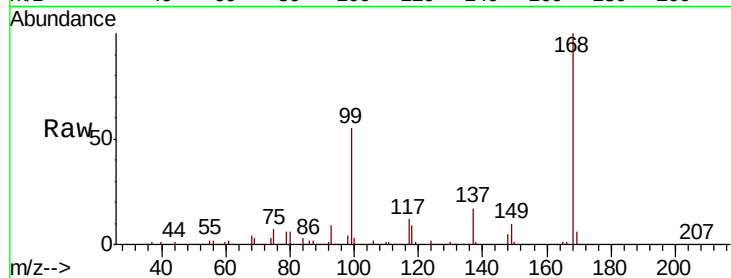
Tot Ion:117 Resp: 34171

Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.4#

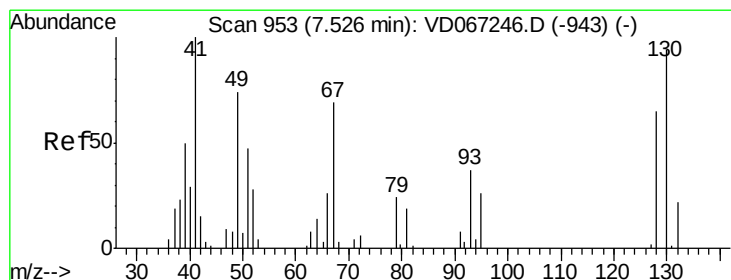
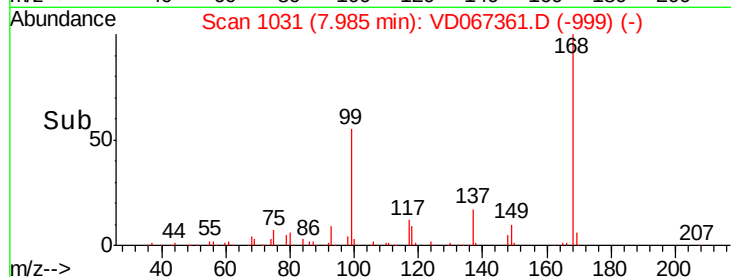
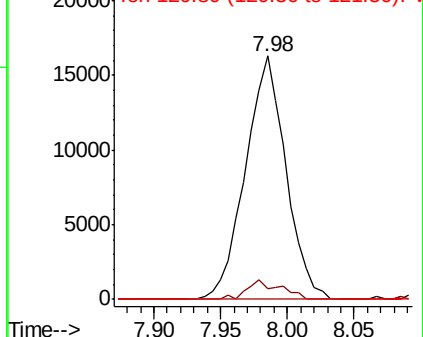
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 1.216 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD067361.D

Acq: 22 Oct 2020 14:44

Tgt Ion: 41 Resp: 852

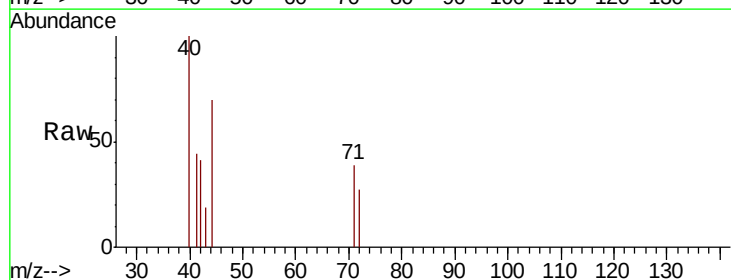
Ion Ratio Lower Upper

41 100

39 9.9 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

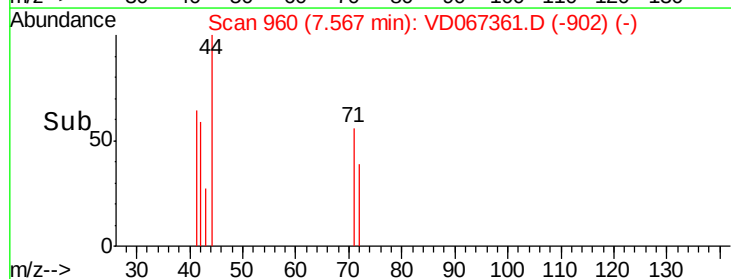
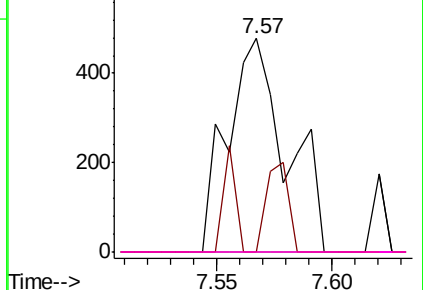


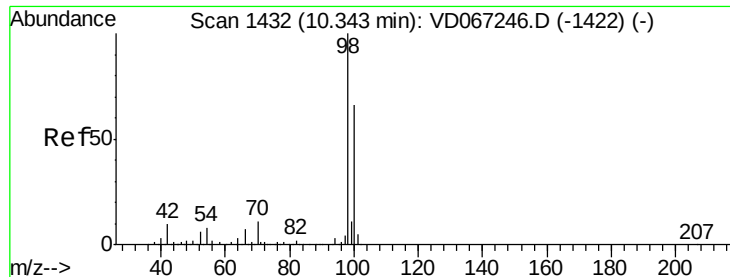
Abundance Ion 41.00 (40.70 to 41.70): VDC

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

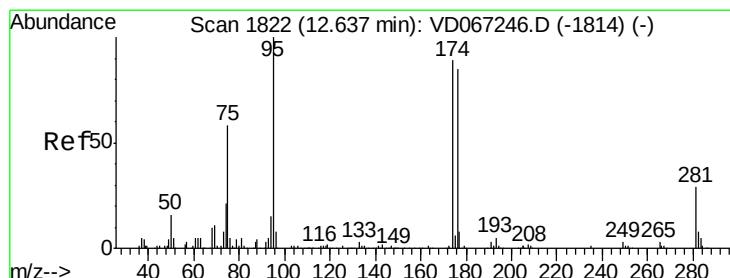
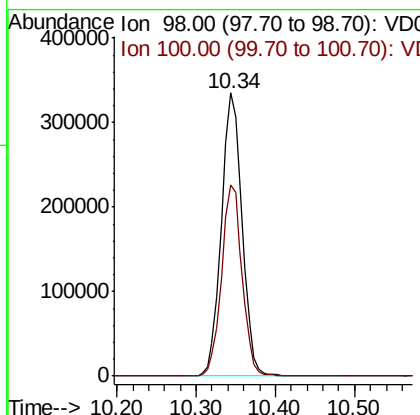
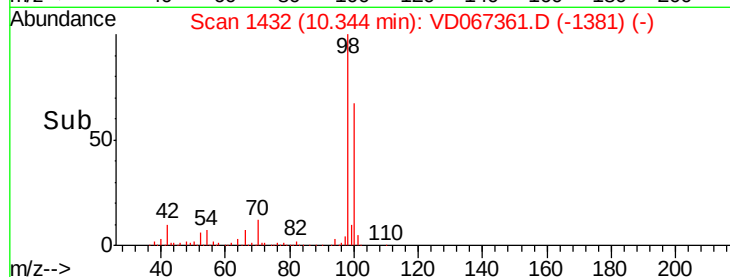
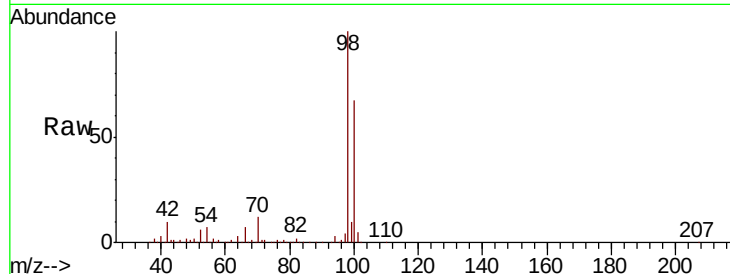




#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067361.D
Acq: 22 Oct 2020 14:44

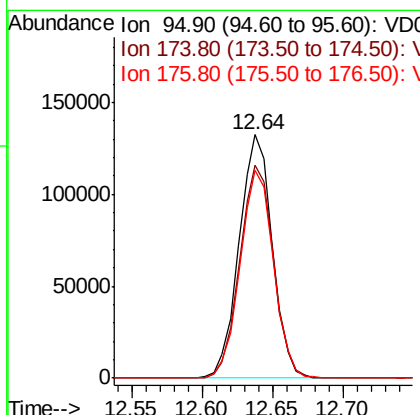
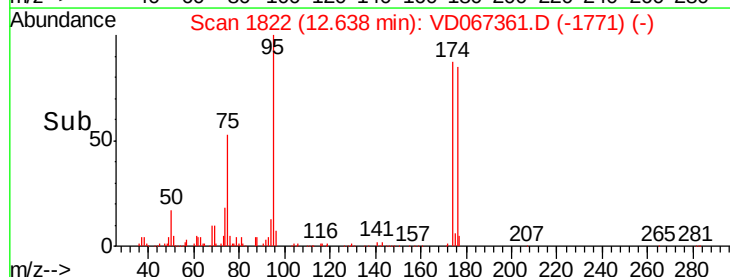
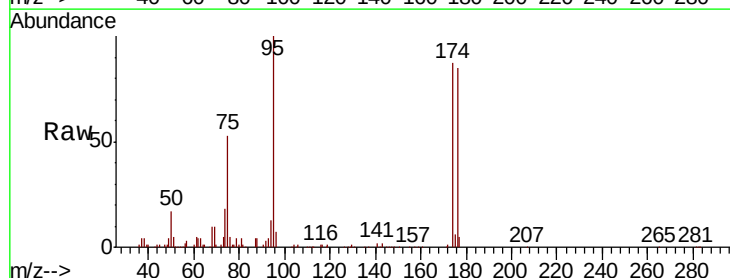
Instrument :
MSVOA_D
ClientSampleId :
BFB

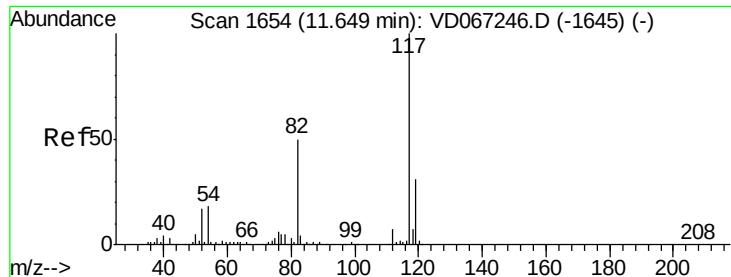
Tot Ion: 98 Resp: 606782
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.986 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067361.D
Acq: 22 Oct 2020 14:44

Tgt Ion: 95 Resp: 217647
Ion Ratio Lower Upper
95 100
174 88.6 0.0 175.2
176 85.9 0.0 168.6

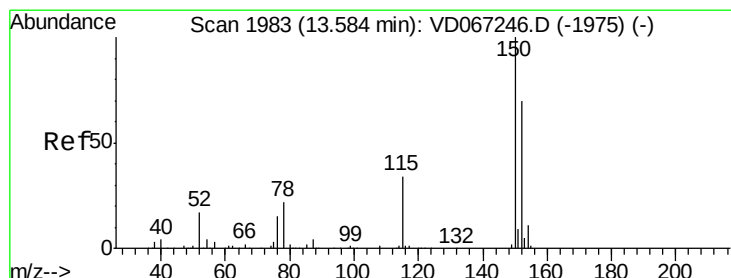
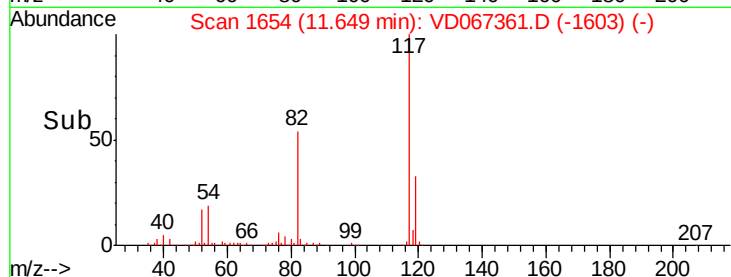
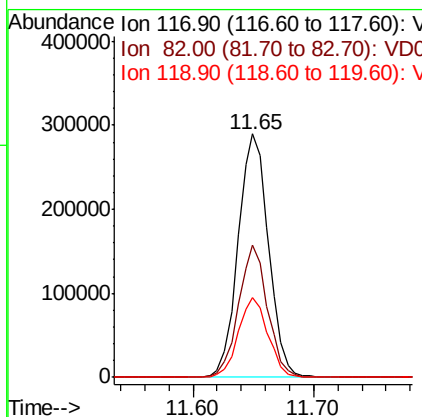
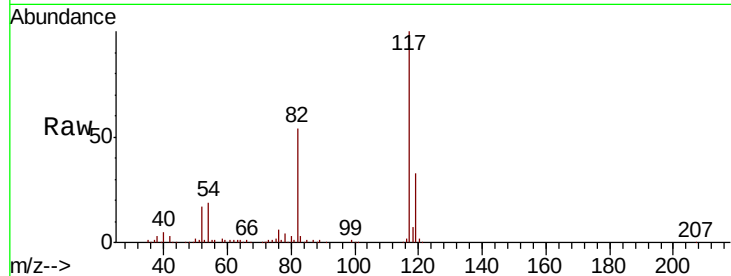




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067361.D
Acq: 22 Oct 2020 14:44

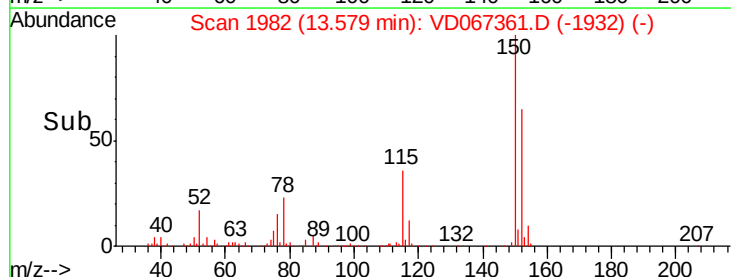
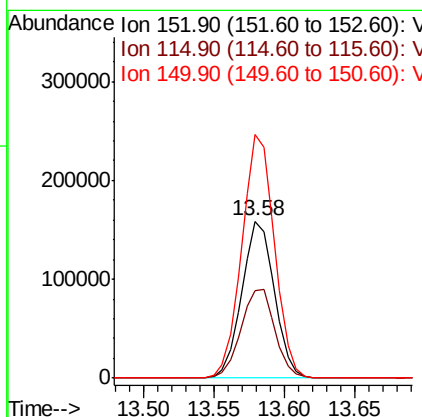
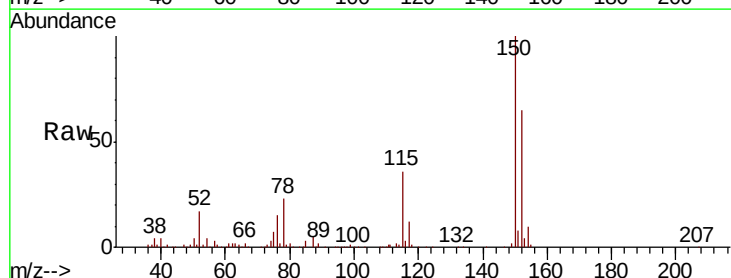
Instrument :
MSVOA_D
ClientSampleId :
BFB

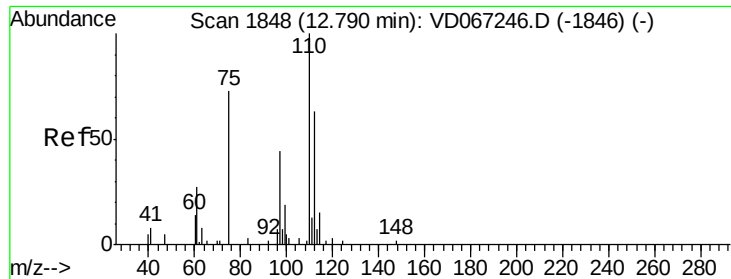
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	39.9	59.9
119	32.8	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067361.D
Acq: 22 Oct 2020 14:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	87.9
150	155.0	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 63.446 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067361.D

Acq: 22 Oct 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

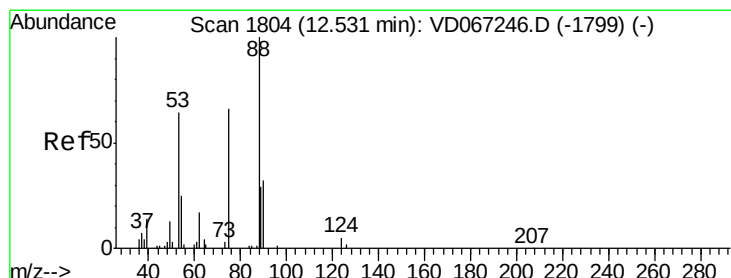
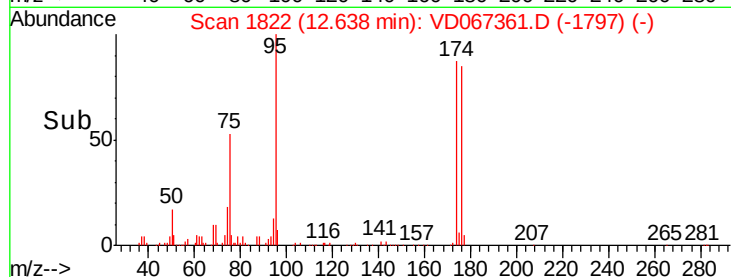
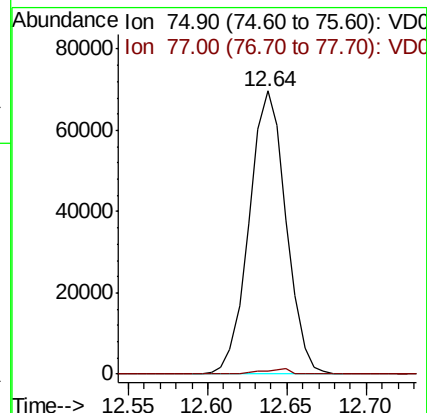
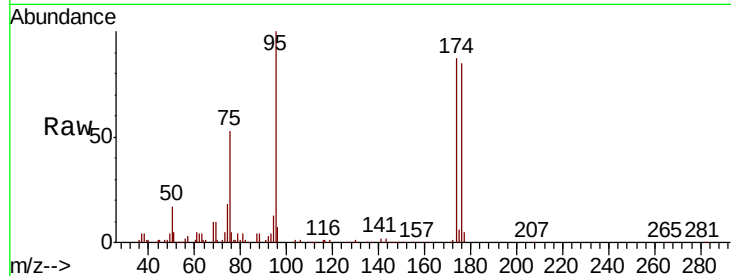
BFB

Tot Ion: 75 Resp: 112835

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.876 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067361.D

Acq: 22 Oct 2020 14:44

Tgt Ion: 75 Resp: 112835

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

