

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067375.D
 Acq On : 23 Oct 2020 12:04
 Operator : VA/SY
 Sample : L4496-01RE
 Misc : 5.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SA-01-102220RE

Quant Time: Oct 24 07:19:04 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	65373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	99225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	102024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	50914	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	44568	68.05	ug/l	0.00
Spiked Amount 50.000			Recovery =	136.10%		
35) Dibromofluoromethane	7.91	113	35940	54.43	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.86%		
50) Toluene-d8	10.34	98	115880	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.98%		
62) 4-Bromofluorobenzene	12.64	95	41948	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.96%		

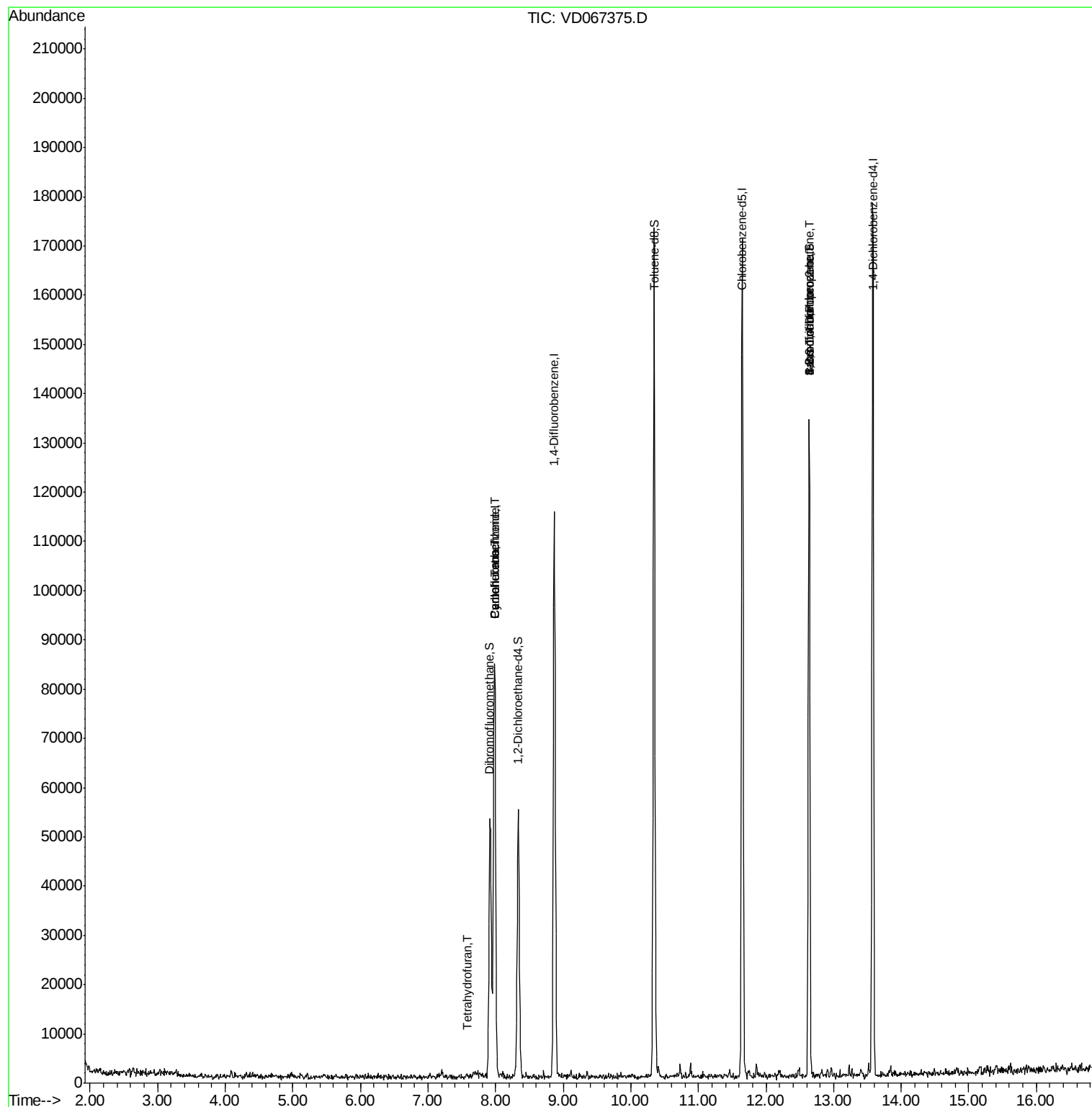
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	187	Below Cal	#	44
5) Bromomethane	2.78	94	156	Below Cal	#	41
11) Tert butyl alcohol	5.23	59	82	Below Cal	#	81
20) Methylene Chloride	4.96	84	329	Below Cal	#	16
29) Tetrahydrofuran	7.59	42	634	10.908	ug/l #	26
31) Cyclohexane	7.98	56	1285	1.703	ug/l #	1
38) Carbon Tetrachloride	7.98	117	6633	6.171	ug/l #	20
71) Bromoform	12.63	173	428	1.025	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	21445	60.771	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	21445	137.811	ug/l #	10

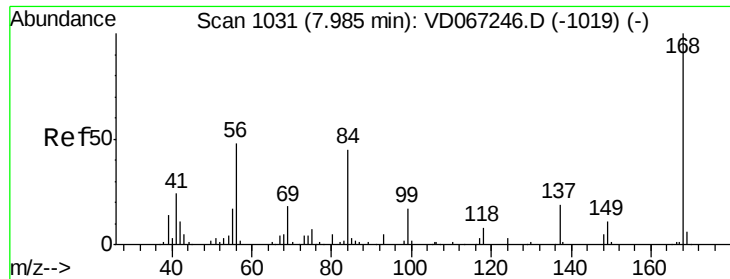
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102320\
Data File : VD067375.D
Acq On : 23 Oct 2020 12:04
Operator : VA/SY
Sample : L4496-01RE
Misc : 5.66G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 24 07:19:04 2020
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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: VD067375.D

Acq: 23 Oct 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

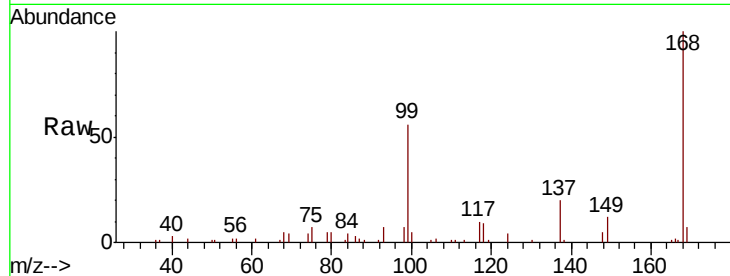
SA-01-102220RE

Tot Ion:168 Resp: 65373

Ion Ratio Lower Upper

168 100

99 56.1 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

30000

25000

20000

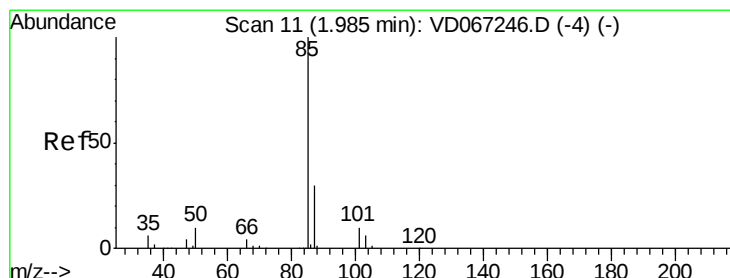
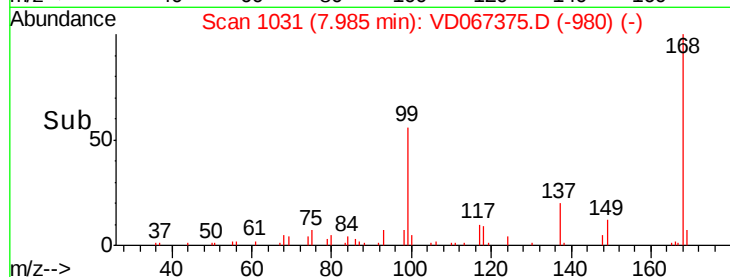
15000

10000

5000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067375.D

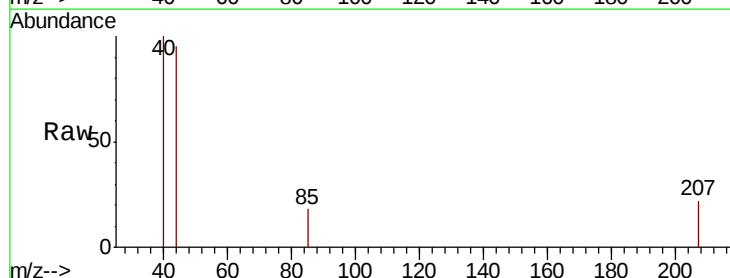
Acq: 23 Oct 2020 12:04

Tgt Ion: 85 Resp: 187

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

250

200

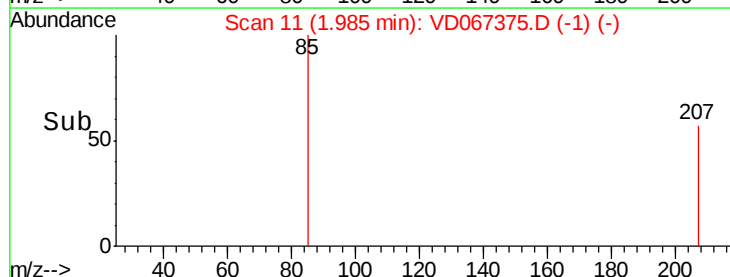
150

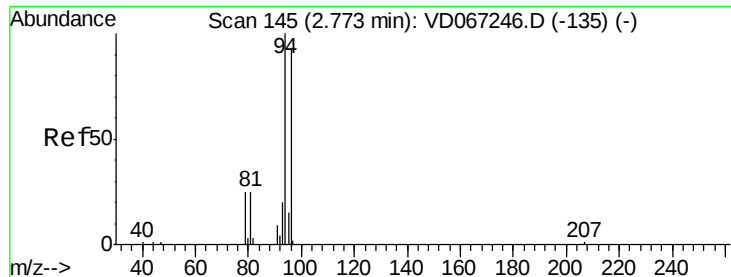
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067375.D

Acq: 23 Oct 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

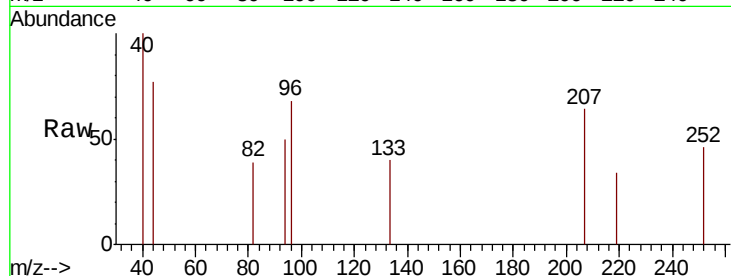
SA-01-102220RE

Tot Ion: 94 Resp: 156

Ion Ratio Lower Upper

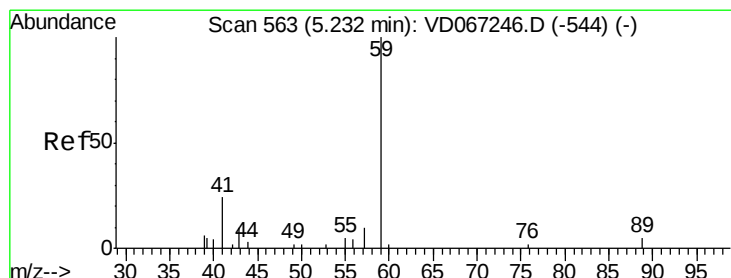
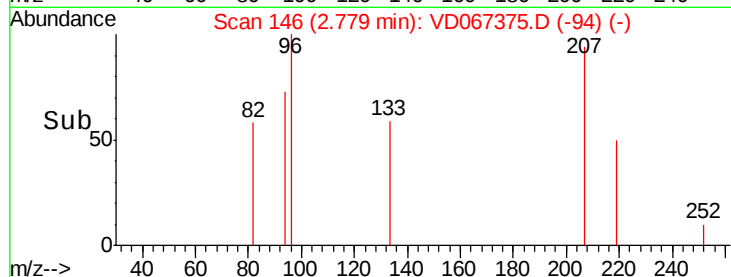
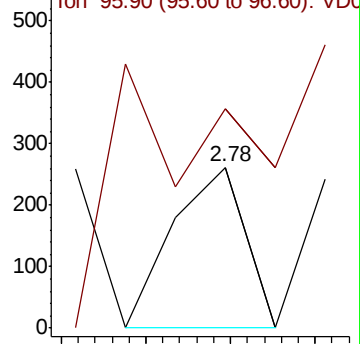
94 100

96 36.3 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD067375.D

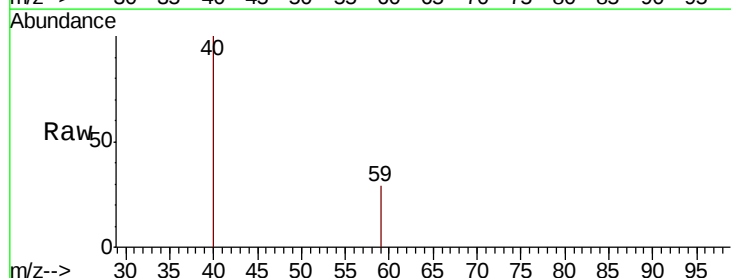
Acq: 23 Oct 2020 12:04

Tgt Ion: 59 Resp: 82

Ion Ratio Lower Upper

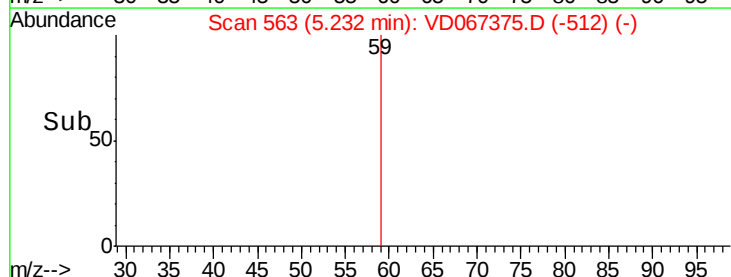
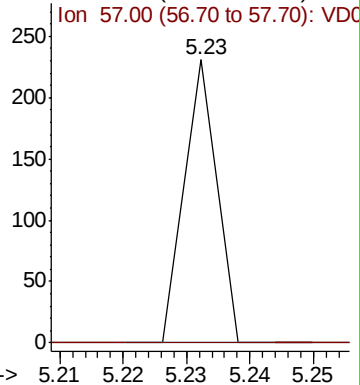
59 100

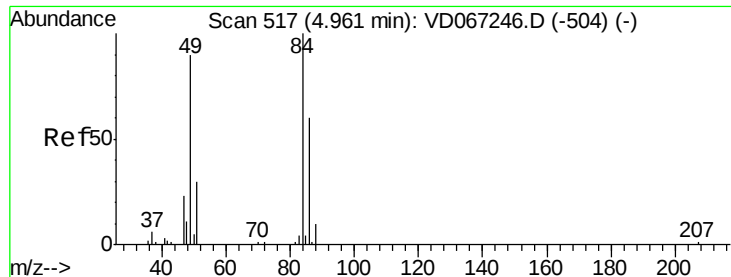
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

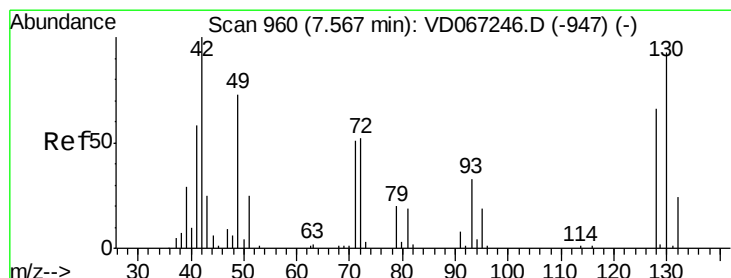
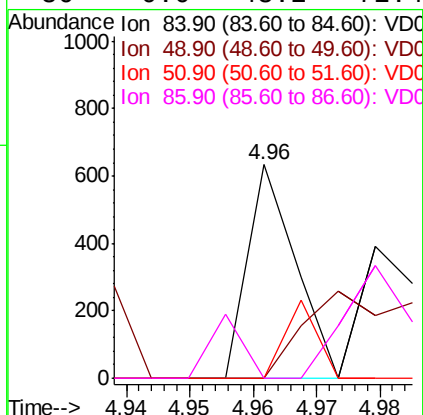
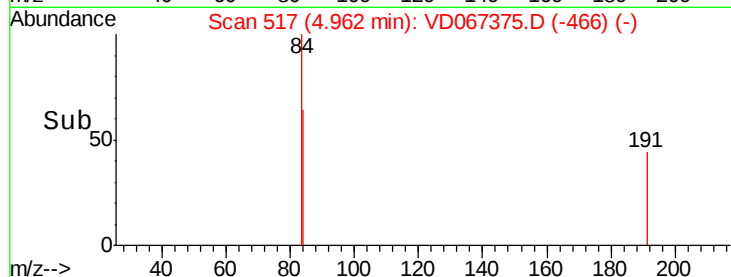
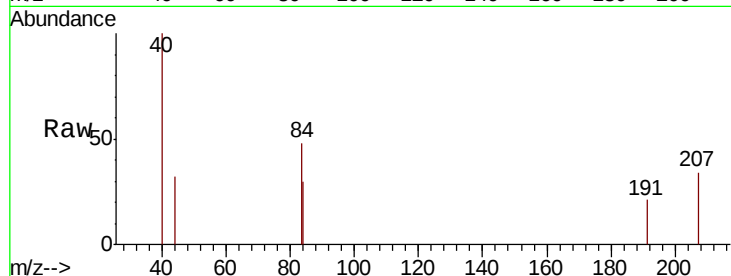




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067375.D
Acq: 23 Oct 2020 12:04

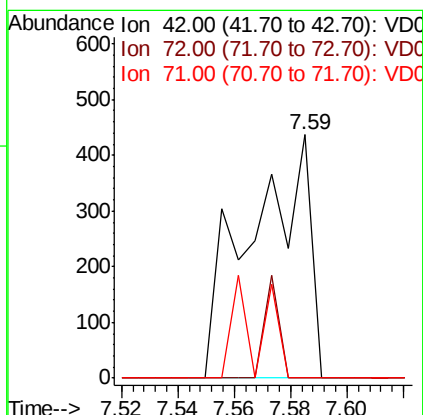
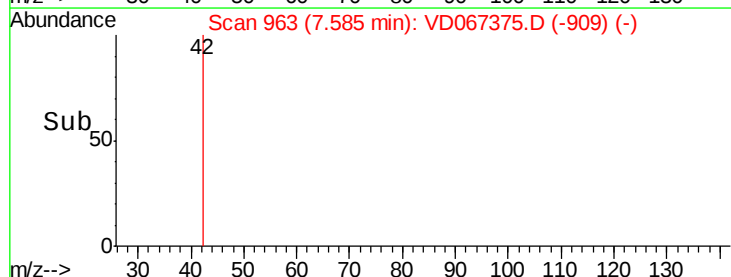
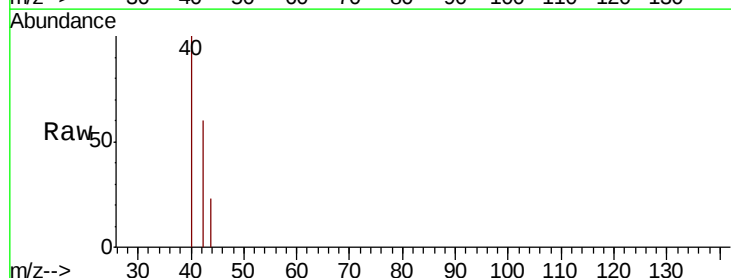
Instrument :
MSVOA_D
ClientSampleId :
SA-01-102220RE

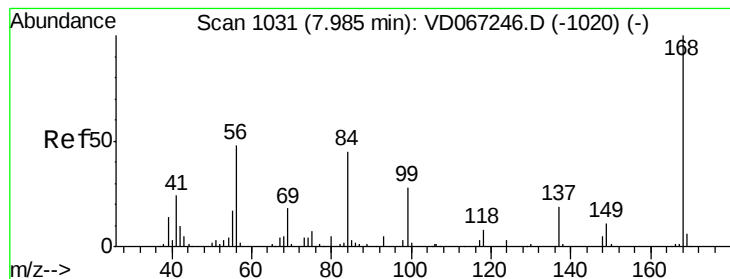
Tot Ion: 84 Resp: 329
Ion Ratio Lower Upper
84 100
49 0.0 72.2 108.2#
51 0.0 23.8 35.8#
86 0.0 48.2 72.4#



#29
Tetrahydrofuran
Concen: 10.908 ug/l
RT: 7.59 min Scan# 963
Delta R.T. 0.02 min
Lab File: VD067375.D
Acq: 23 Oct 2020 12:04

Tgt Ion: 42 Resp: 634
Ion Ratio Lower Upper
42 100
72 0.0 43.2 64.8#
71 0.0 39.4 59.0#





#31

Cyclohexane

Concen: 1.703 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067375.D

Acq: 23 Oct 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

SA-01-102220RE

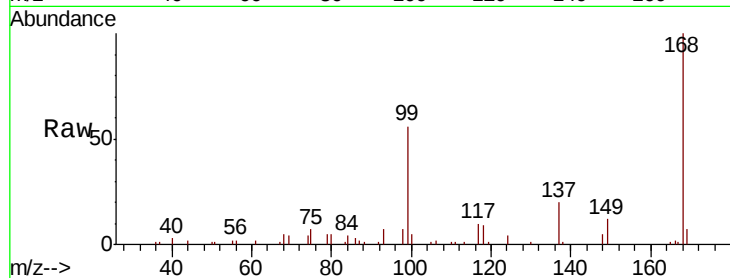
Tot Ion: 56 Resp: 1285

Ion Ratio Lower Upper

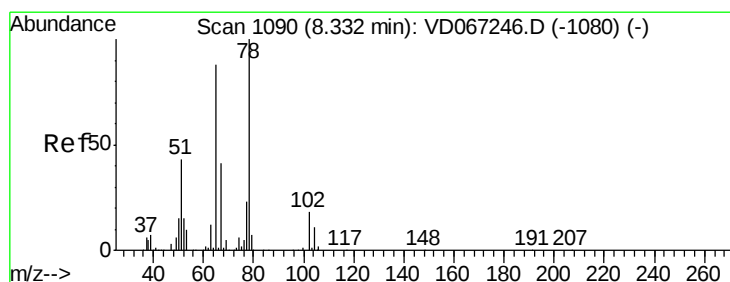
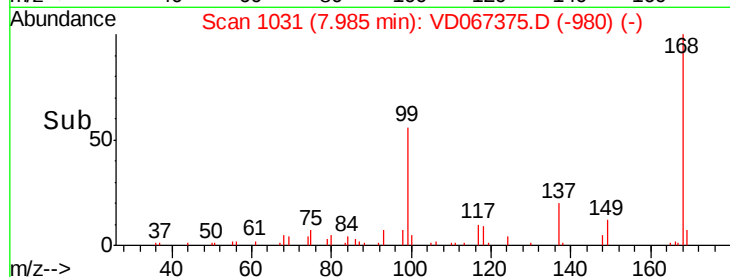
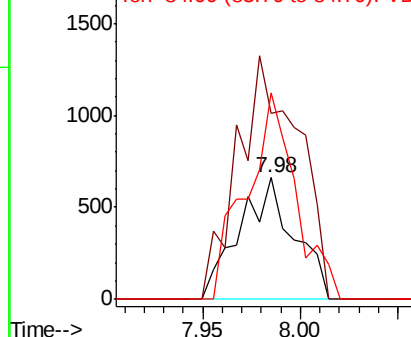
56 100

69 153.1 29.8 44.6#

84 169.4 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: 68.049 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067375.D

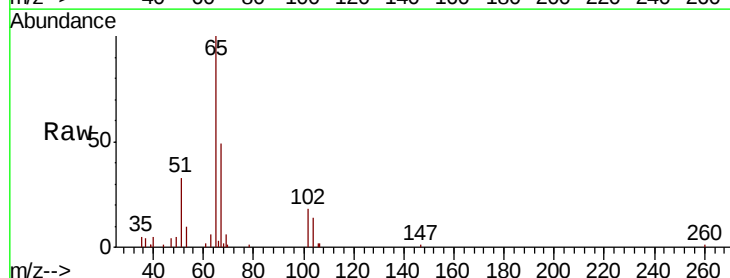
Acq: 23 Oct 2020 12:04

Tgt Ion: 65 Resp: 44568

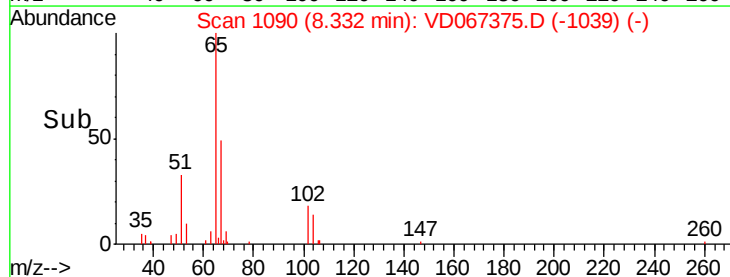
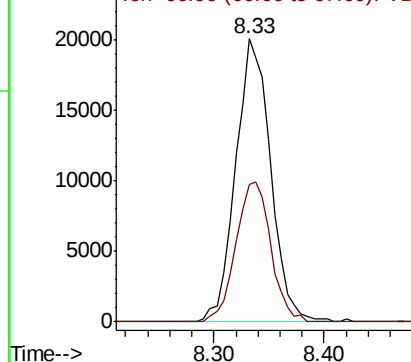
Ion Ratio Lower Upper

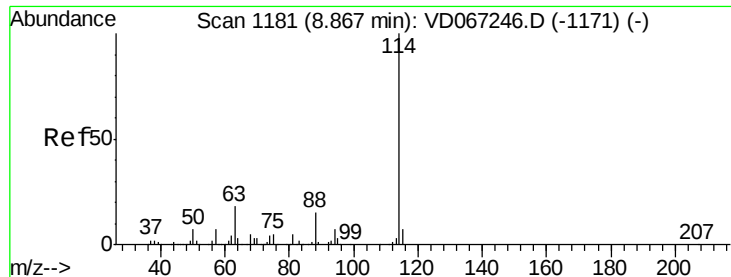
65 100

67 49.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

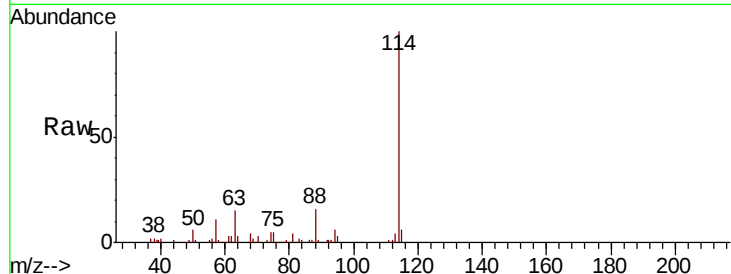




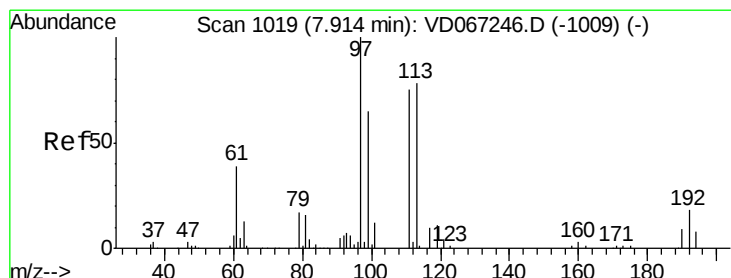
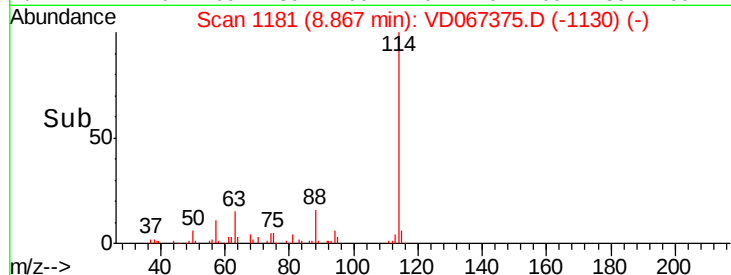
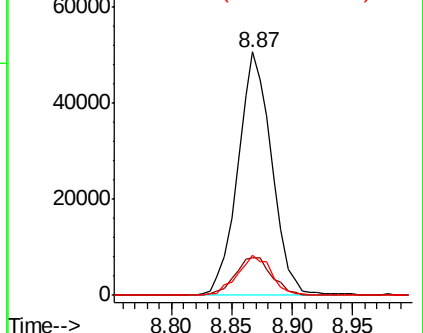
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067375.D
 Acq: 23 Oct 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 SA-01-102220RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	15.5	0.0	35.0
88	16.4	0.0	30.6

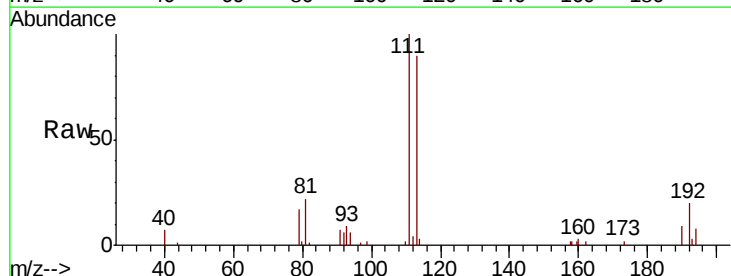


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

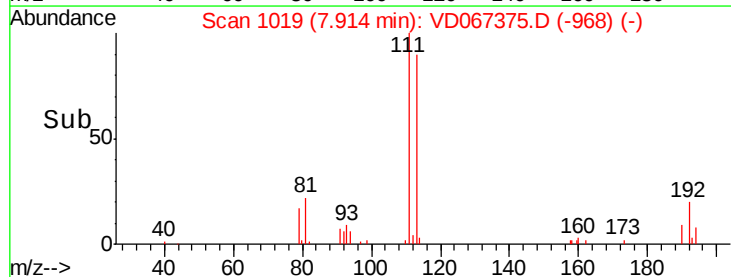
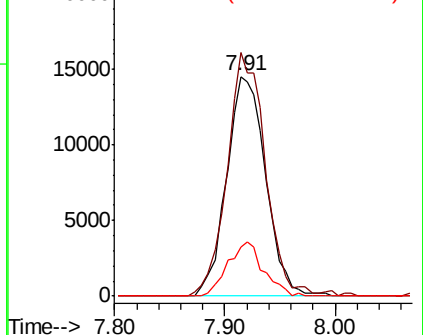


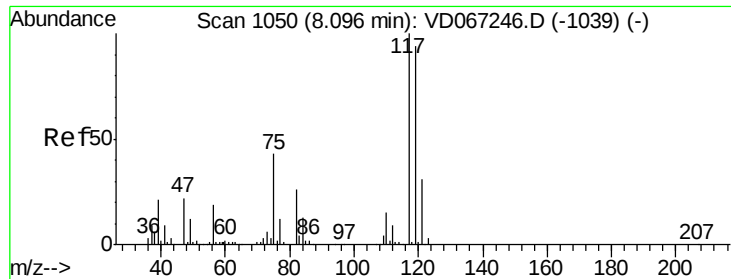
#35
 Dibromofluoromethane
 Concen: 54.426 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067375.D
 Acq: 23 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	107.5	81.6	122.4
192	22.6	17.0	25.4



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





#38

Carbon Tetrachloride

Concen: 6.171 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067375.D

Acq: 23 Oct 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

SA-01-102220RE

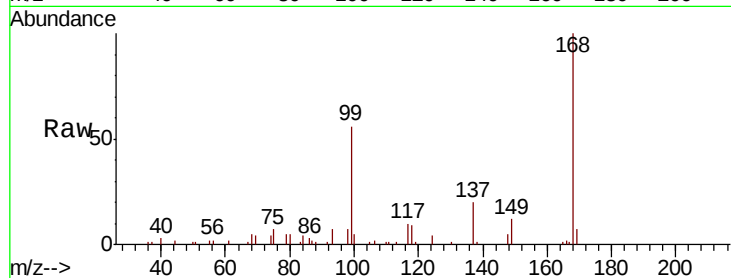
Tot Ion:117 Resp: 6633

Ion Ratio Lower Upper

117 100

119 8.6 75.0 112.4#

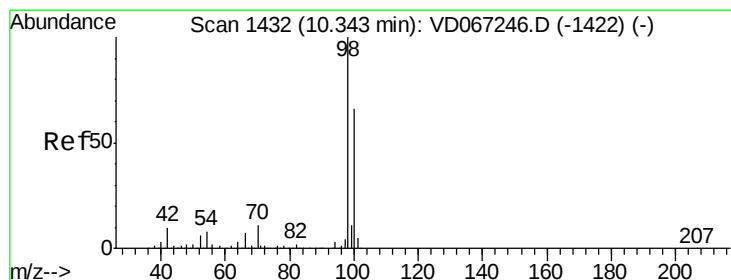
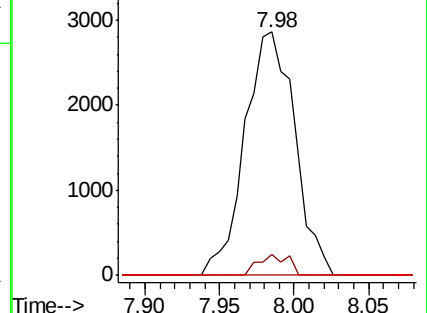
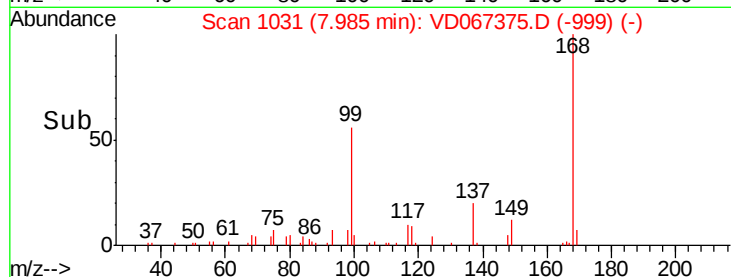
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 48.491 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067375.D

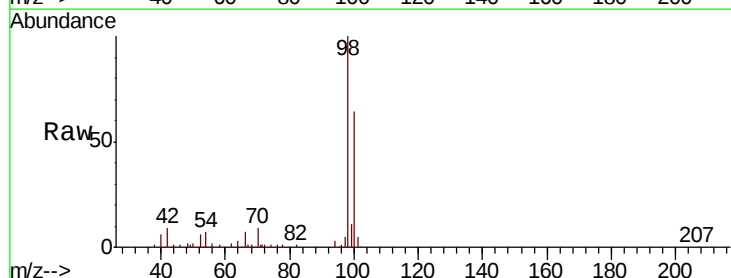
Acq: 23 Oct 2020 12:04

Tgt Ion: 98 Resp: 115880

Ion Ratio Lower Upper

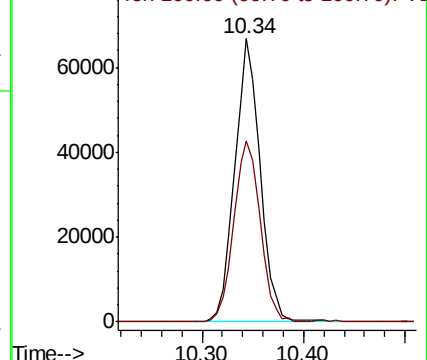
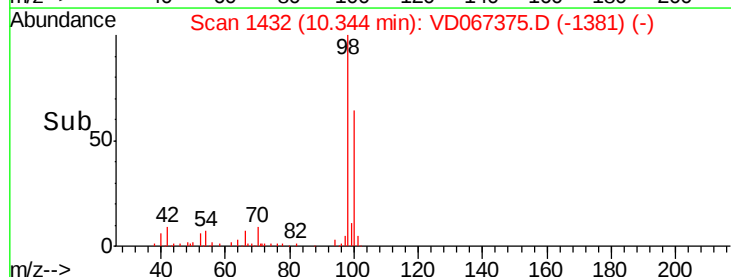
98 100

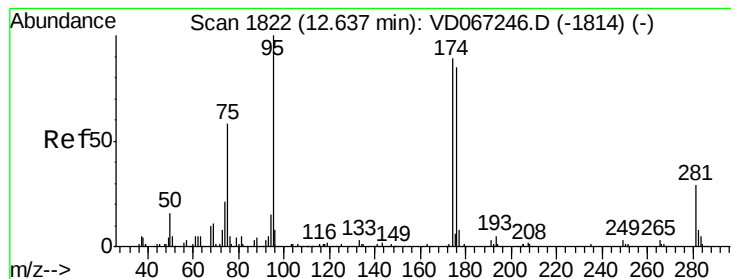
100 66.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.481 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067375.D

Acq: 23 Oct 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

SA-01-102220RE

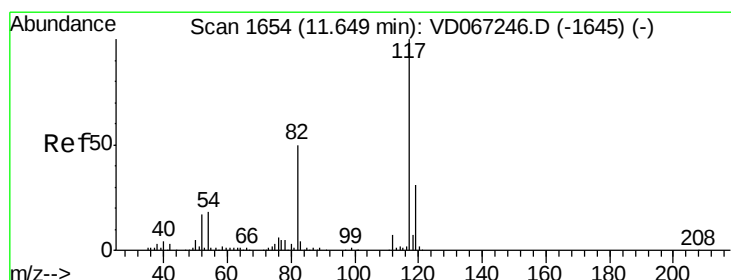
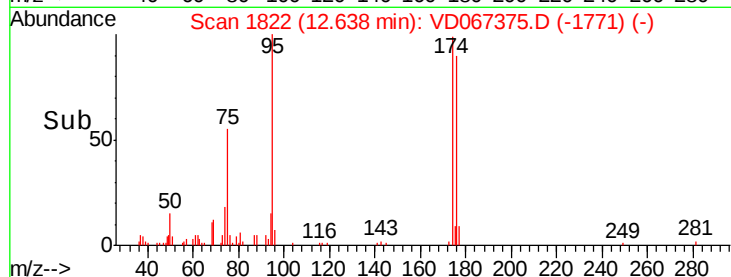
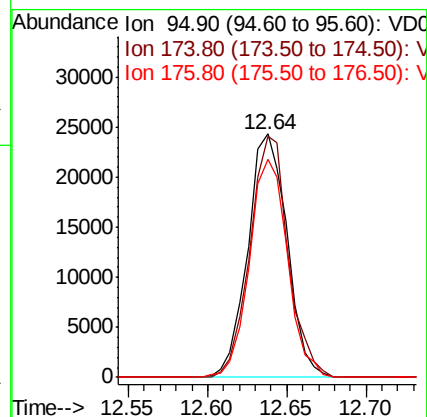
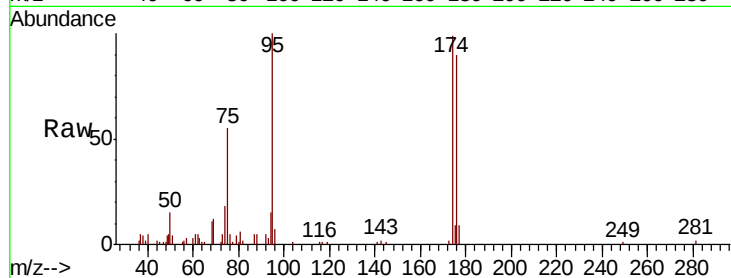
Tot Ion: 95 Resp: 41948

Ion Ratio Lower Upper

95 100

174 96.2 0.0 175.2

176 86.8 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: VD067375.D

Acq: 23 Oct 2020 12:04

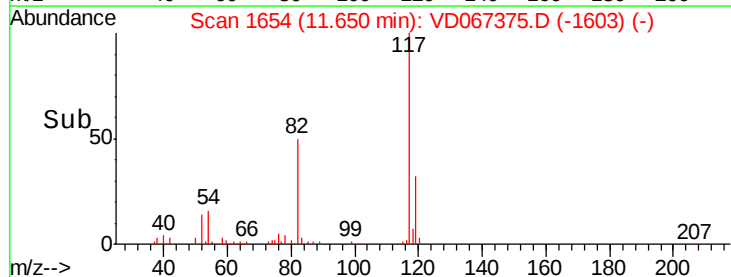
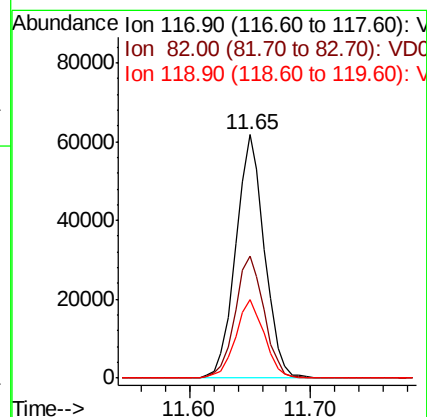
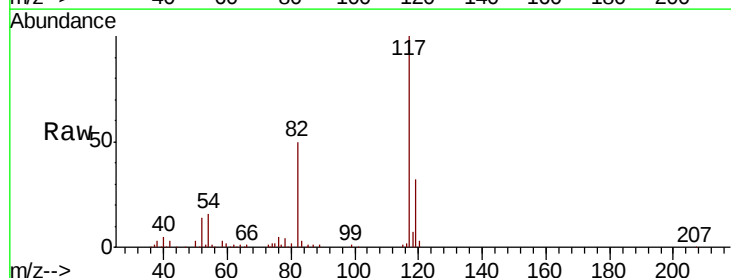
Tgt Ion: 117 Resp: 102024

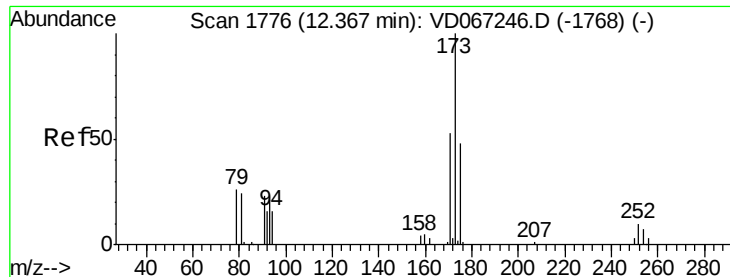
Ion Ratio Lower Upper

117 100

82 50.1 39.9 59.9

119 32.4 24.9 37.3

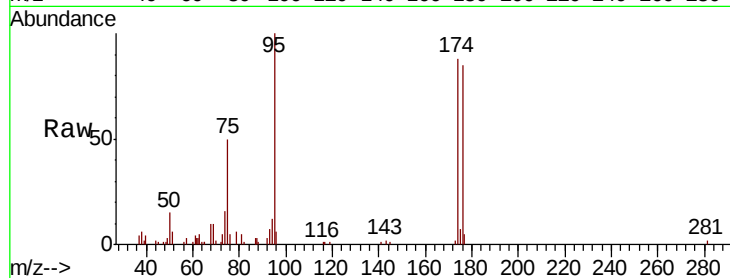




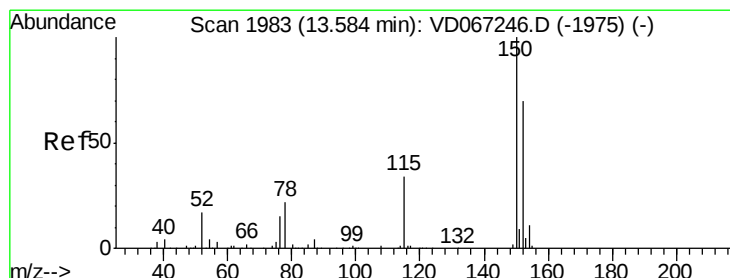
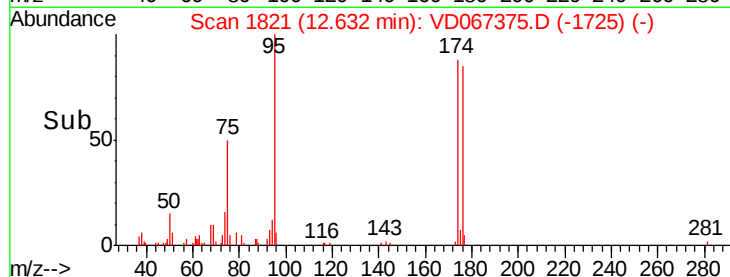
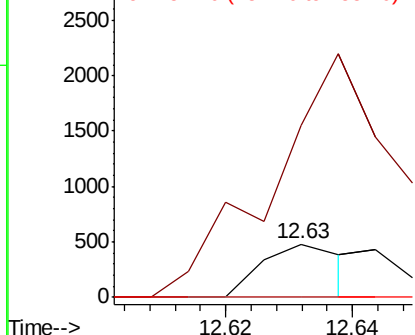
#71
Bromoform
Concen: 1.025 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD067375.D
Acq: 23 Oct 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
SA-01-102220RE

Tot Ion:173 Resp: 428
Ion Ratio Lower Upper
173 100
175 575.2 24.2 72.6#
254 0.0 0.1 0.1#

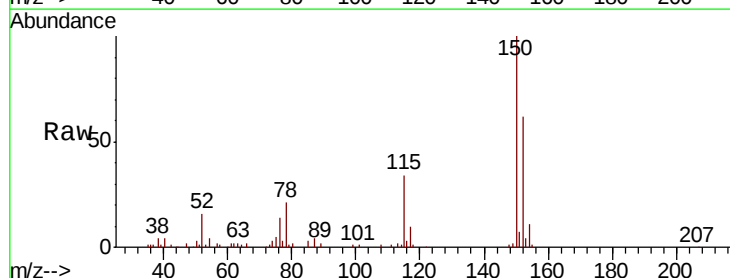


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

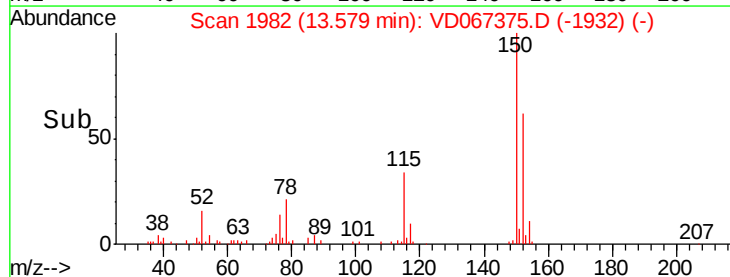
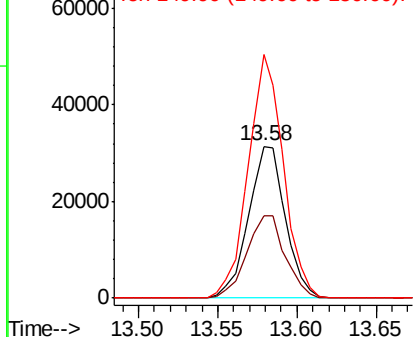


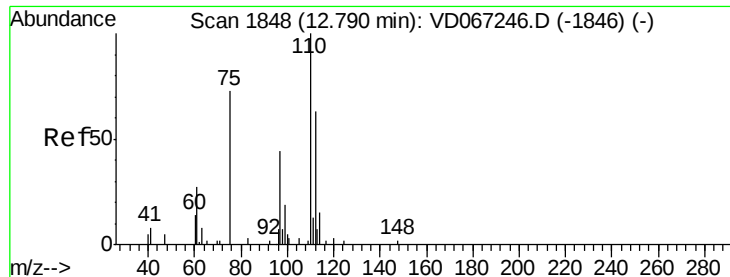
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067375.D
Acq: 23 Oct 2020 12:04

Tgt Ion:152 Resp: 50914
Ion Ratio Lower Upper
152 100
115 56.9 29.3 87.9
150 152.5 0.0 339.0



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: 60.771 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067375.D

Acq: 23 Oct 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

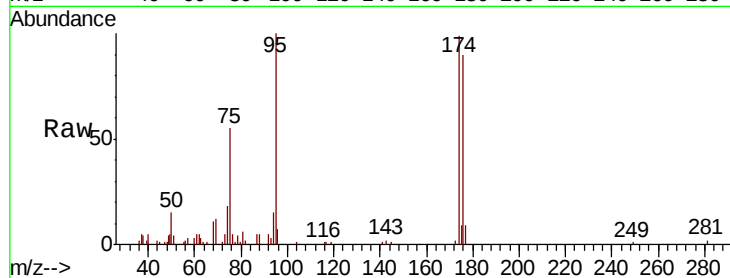
SA-01-102220RE

Tot Ion: 75 Resp: 21445

Ion Ratio Lower Upper

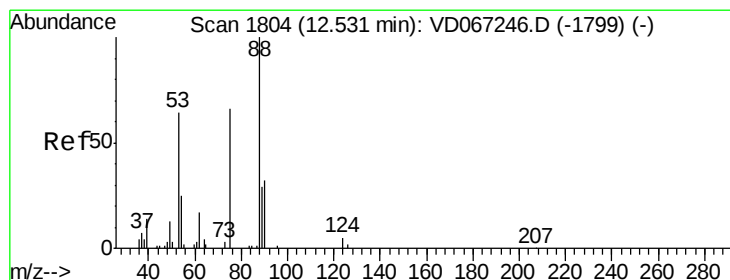
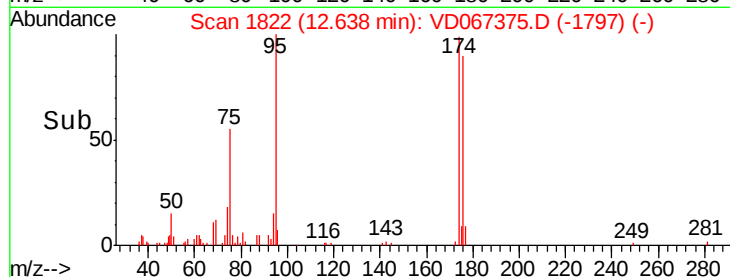
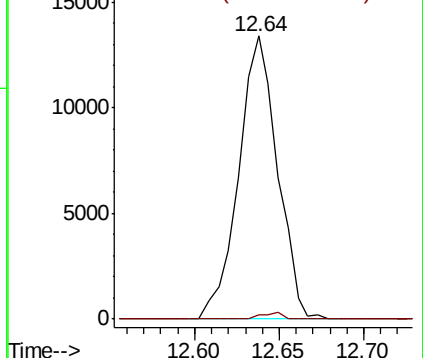
75 100

77 1.2 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: 137.811 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067375.D

Acq: 23 Oct 2020 12:04

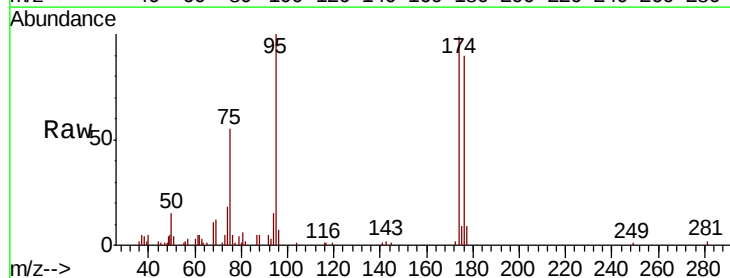
Tgt Ion: 75 Resp: 21445

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#



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

