

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067267.D
 Acq On : 14 Oct 2020 13:27
 Operator : VA/SY
 Sample : L4226-07
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-08-101320

Quant Time: Oct 15 06:13:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	339907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	573534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	540479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266315	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	185803	54.56	ug/l	0.00
Spiked Amount			Recovery	=	109.12%	
35) Dibromofluoromethane	7.92	113	188923	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	10.34	98	666142	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.64	95	233905	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	

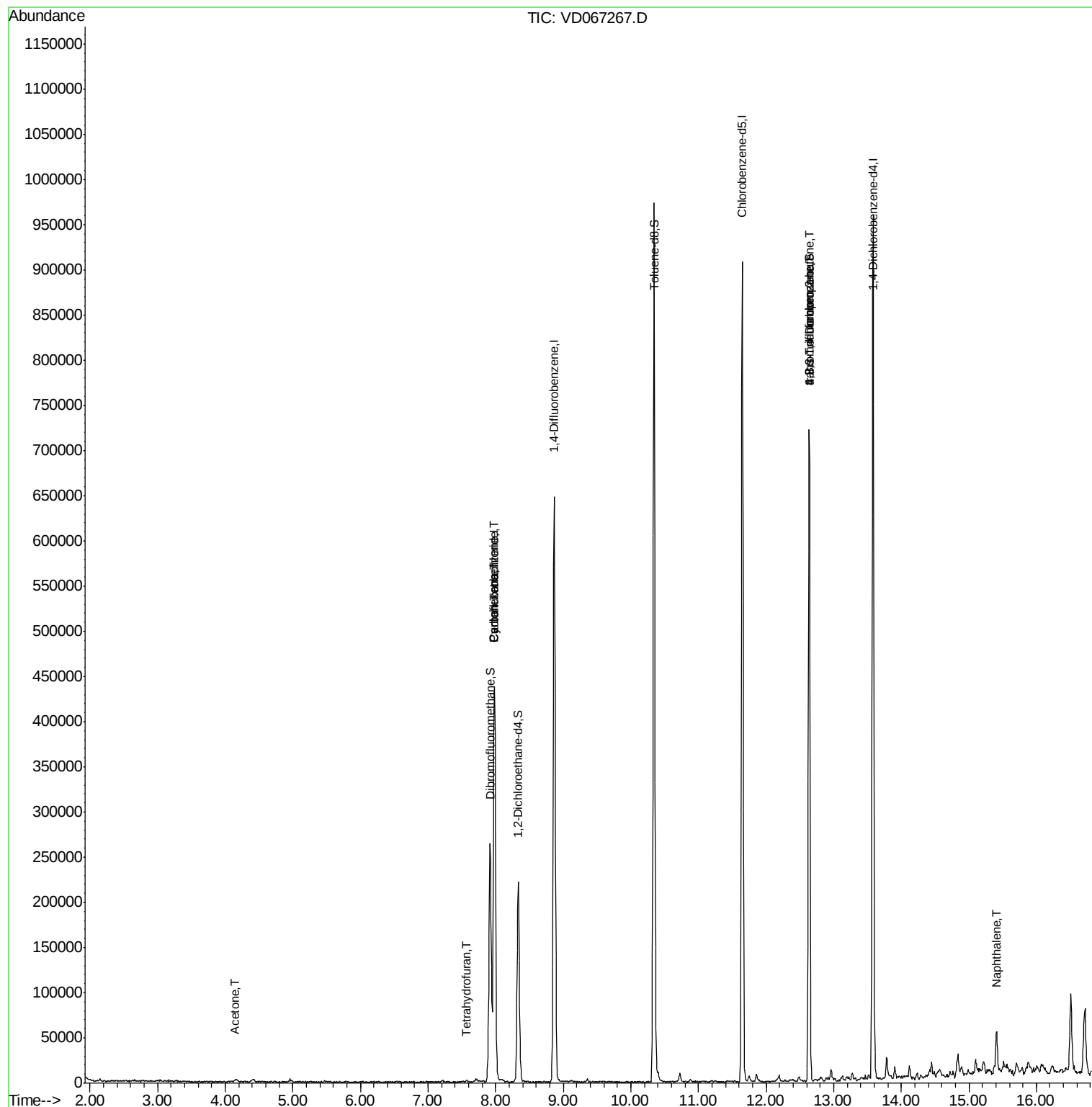
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	807	Below Cal		84
5) Bromomethane	2.77	94	688	Below Cal	#	59
11) Tert butyl alcohol	5.19	59	56	Below Cal	#	81
16) Acetone	4.15	43	6340	13.294	ug/l	94
20) Methylene Chloride	4.96	84	1009	Below Cal	#	57
29) Tetrahydrofuran	7.56	42	532	1.760	ug/l	# 16
31) Cyclohexane	7.98	56	7055	1.799	ug/l	# 13
38) Carbon Tetrachloride	7.98	117	35586	5.728	ug/l	# 16
76) 1,2,3-Trichloropropane	12.64	75	119919	64.968	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	119919	147.328	ug/l	# 10
95) Naphthalene	15.41	128	39391	5.022	ug/l	98

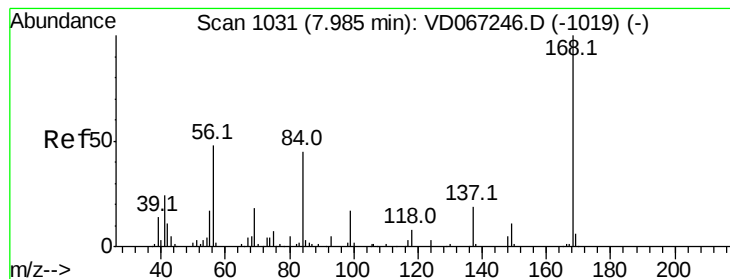
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 15 06:13:17 2020
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Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 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: VD067267.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

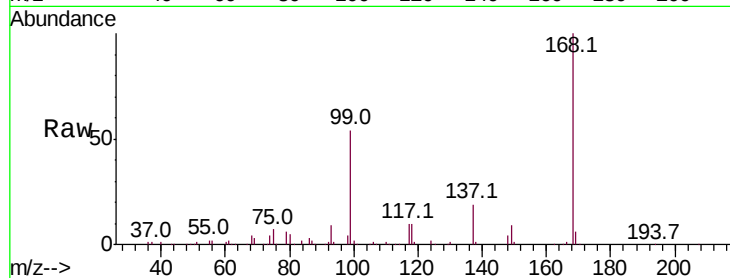
TR-08-101320

Tot Ion:168 Resp: 339907

Ion Ratio Lower Upper

168 100

99 53.8 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

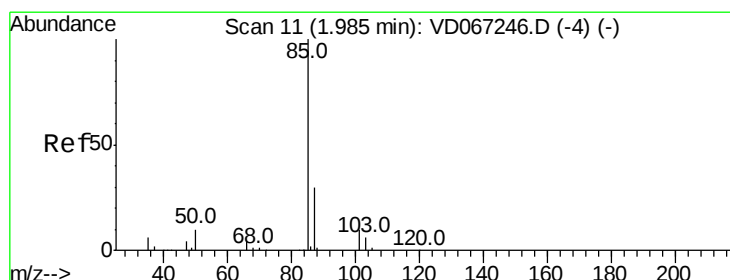
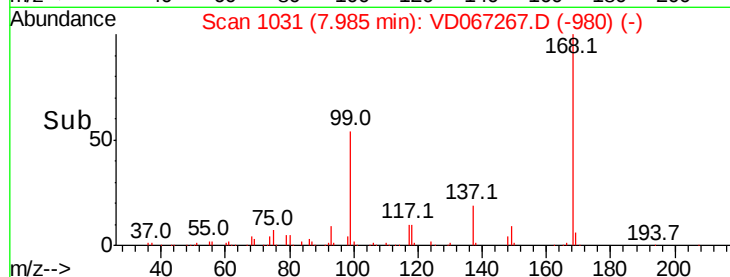
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067267.D

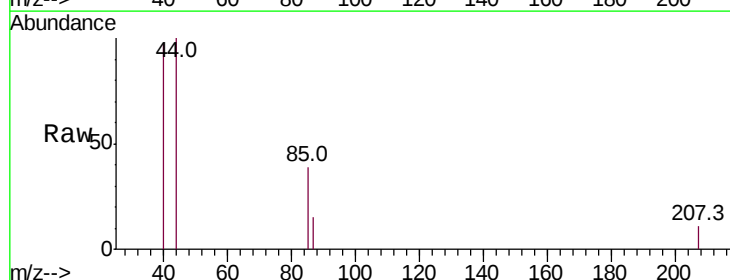
Acq: 14 Oct 2020 13:27

Tgt Ion: 85 Resp: 807

Ion Ratio Lower Upper

85 100

87 39.2 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

600

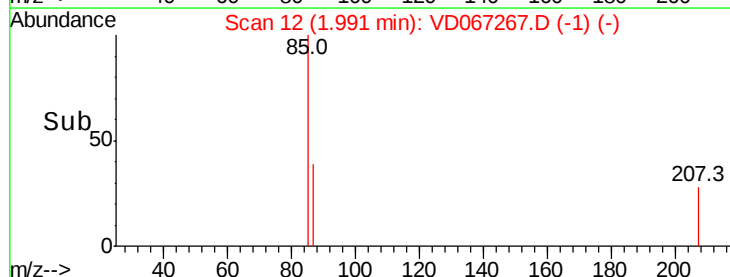
400

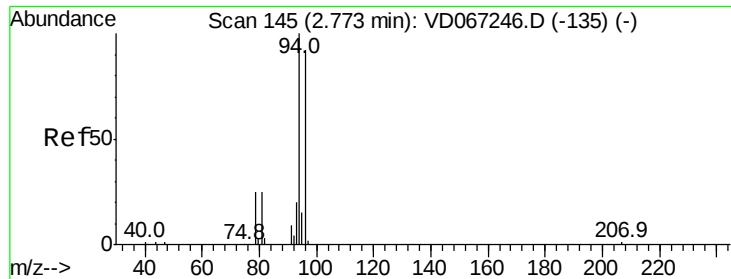
200

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

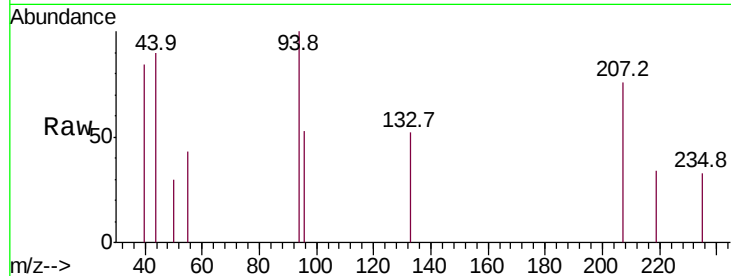
TR-08-101320

Tot Ion: 94 Resp: 688

Ion Ratio Lower Upper

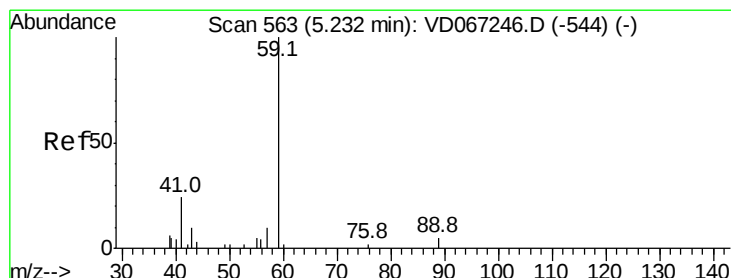
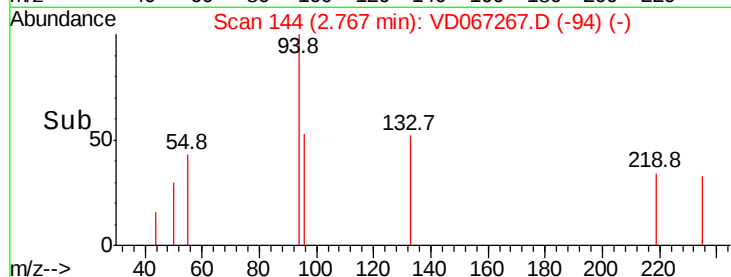
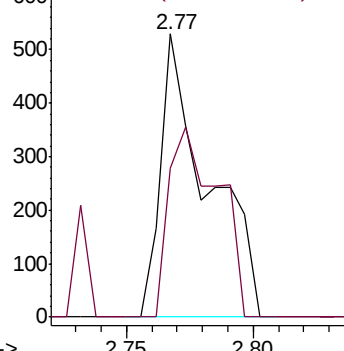
94 100

96 52.7 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: 5.19 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD067267.D

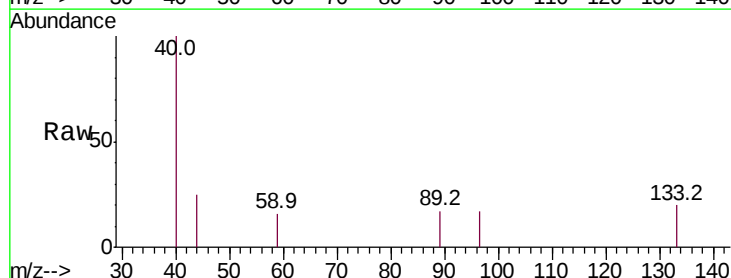
Acq: 14 Oct 2020 13:27

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

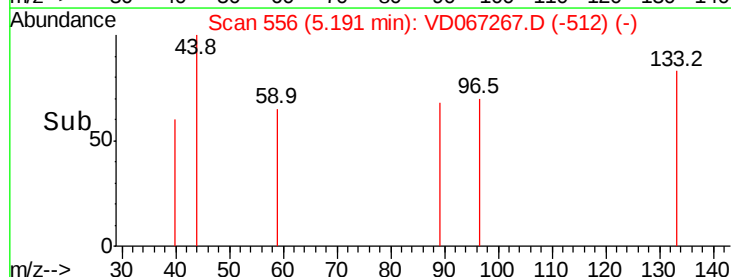
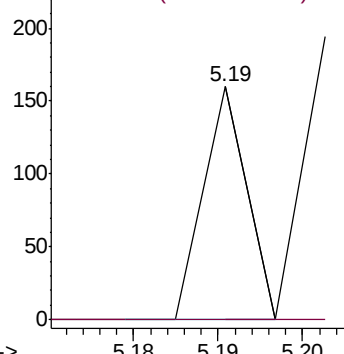
59 100

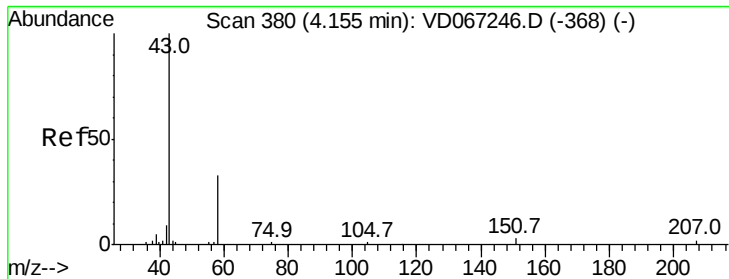
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 13.294 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

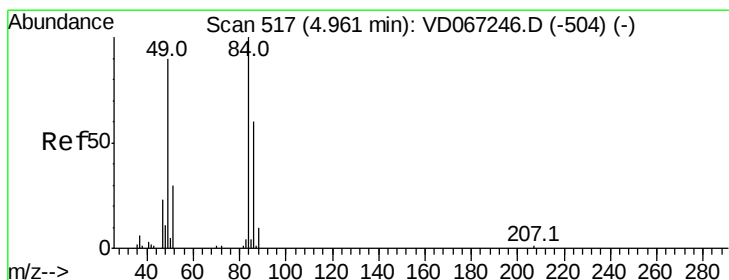
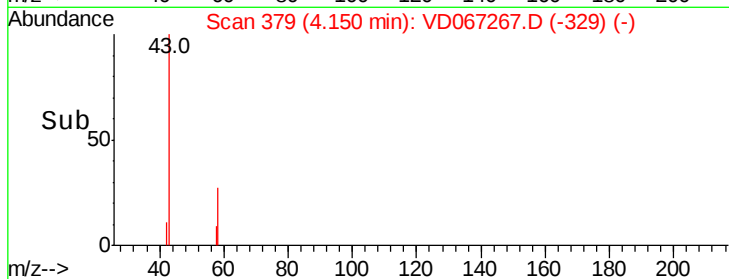
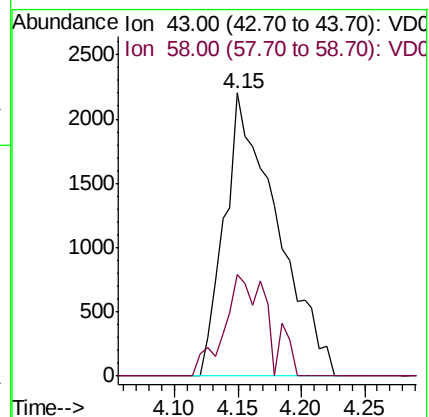
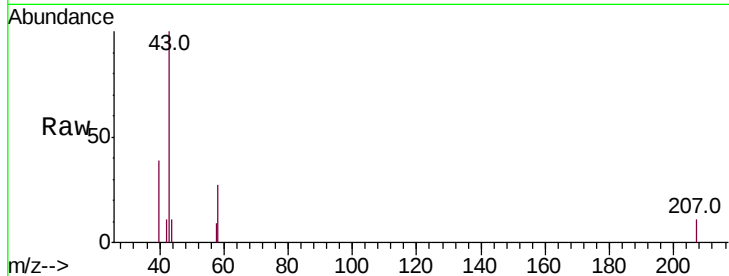
TR-08-101320

Tot Ion: 43 Resp: 6340

Ion Ratio Lower Upper

43 100

58 35.9 26.1 39.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Tgt Ion: 84 Resp: 1009

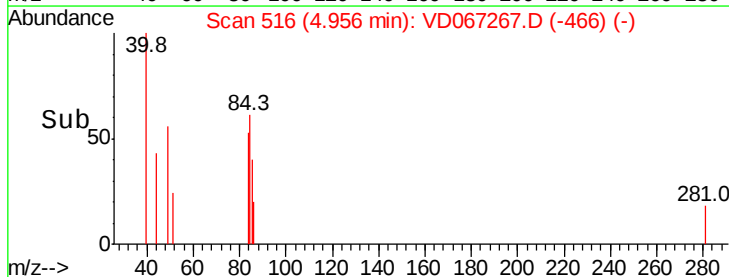
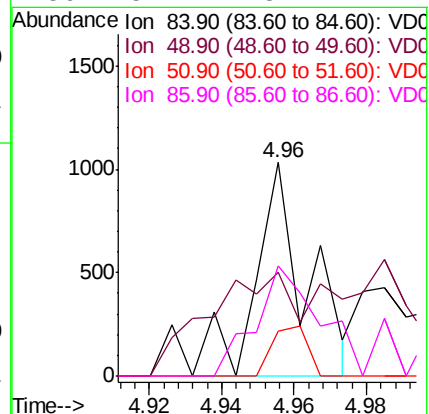
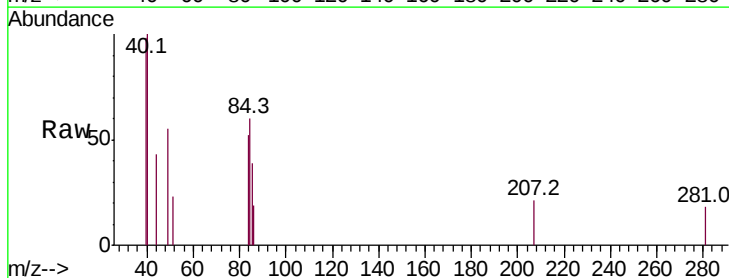
Ion Ratio Lower Upper

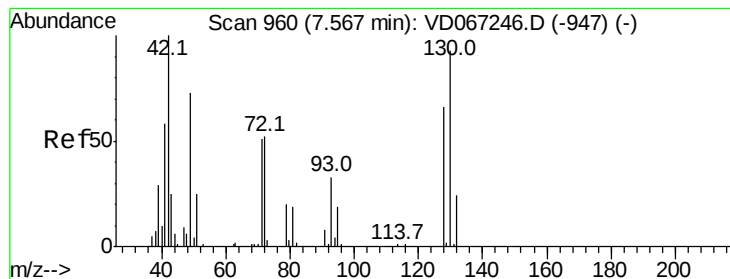
84 100

49 21.9 72.2 108.2#

51 20.7 23.8 35.8#

86 51.7 48.2 72.4





#29

Tetrahydrofuran

Concen: 1.760 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

TR-08-101320

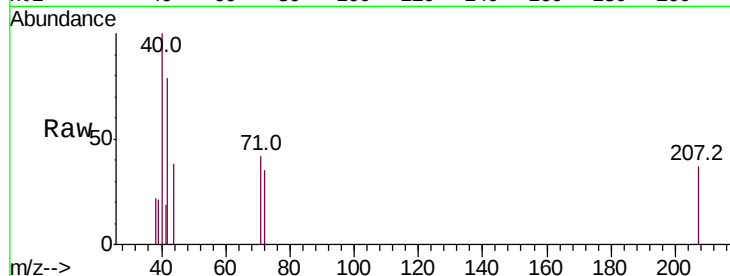
Tot Ion: 42 Resp: 532

Ion Ratio Lower Upper

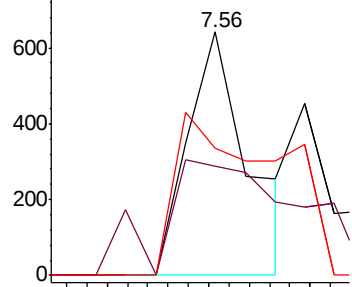
42 100

72 106.6 43.2 64.8#

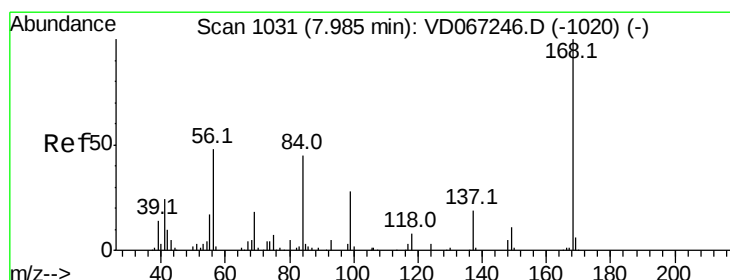
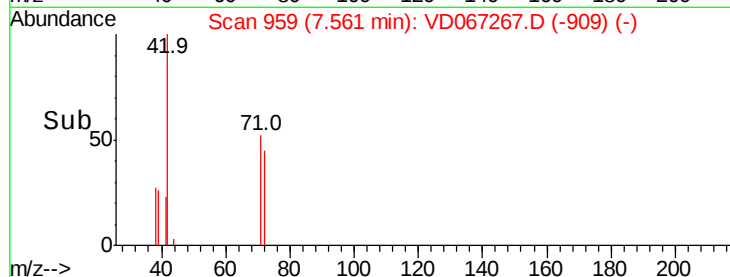
71 113.9 39.4 59.0#



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



Time-->



#31

Cyclohexane

Concen: 1.799 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

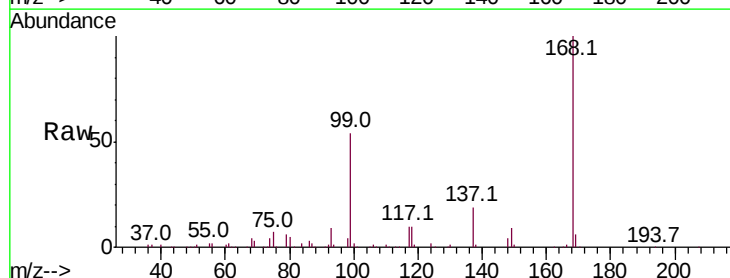
Tgt Ion: 56 Resp: 7055

Ion Ratio Lower Upper

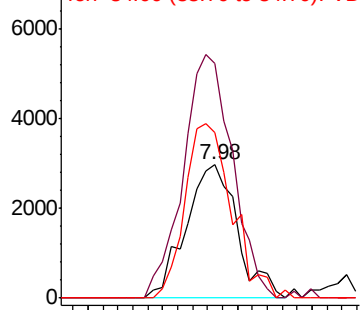
56 100

69 176.3 29.8 44.6#

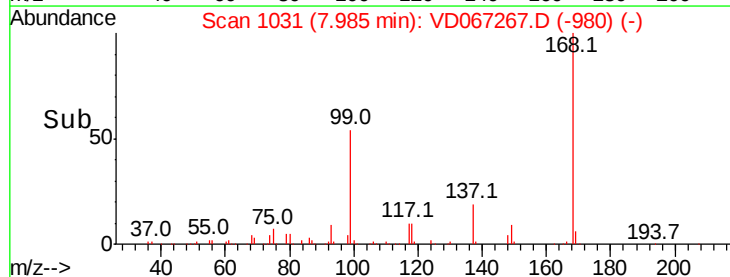
84 124.7 76.6 114.8#

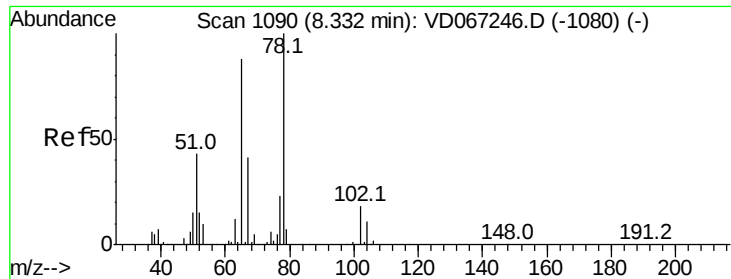


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.562 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

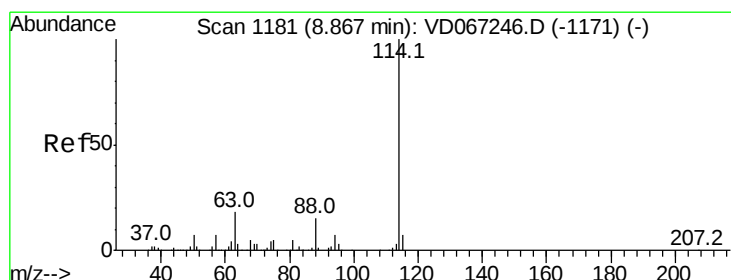
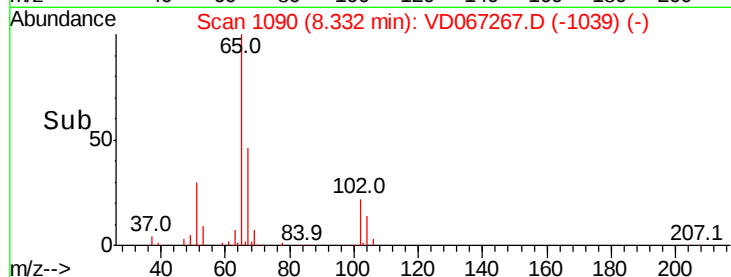
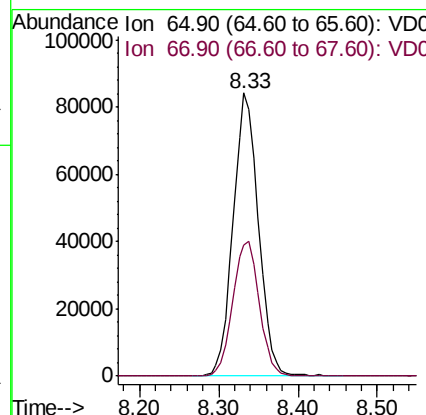
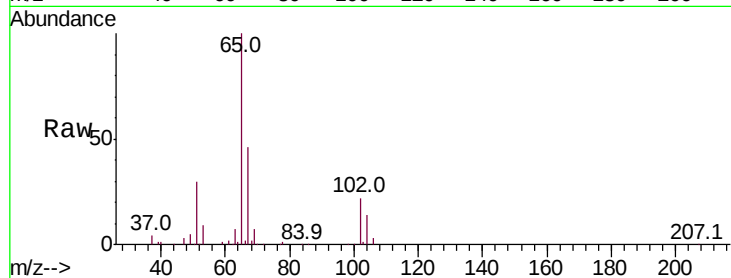
Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
TR-08-101320

Tot Ion: 65 Resp: 185803

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

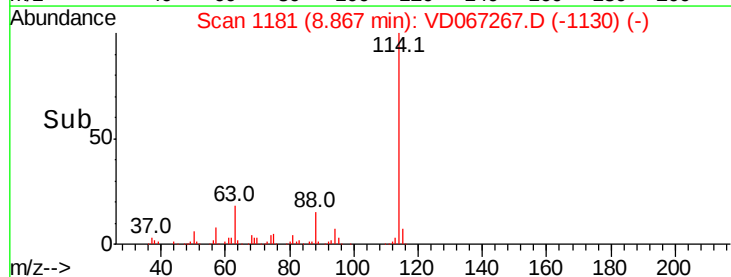
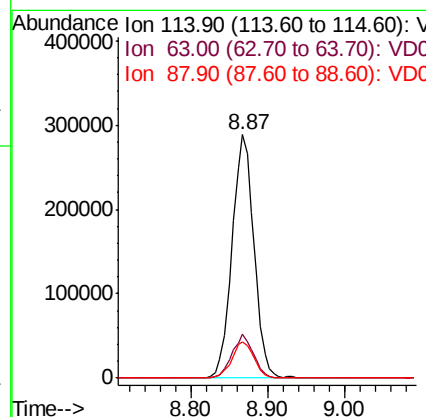
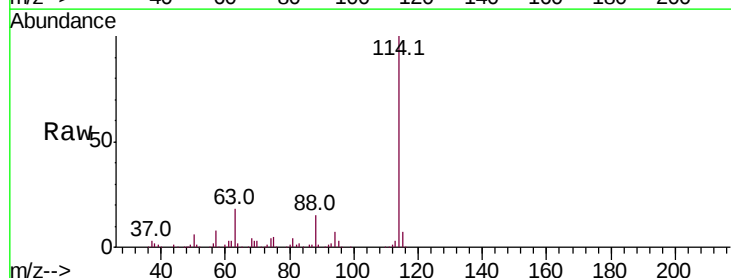
Delta R.T. 0.00 min

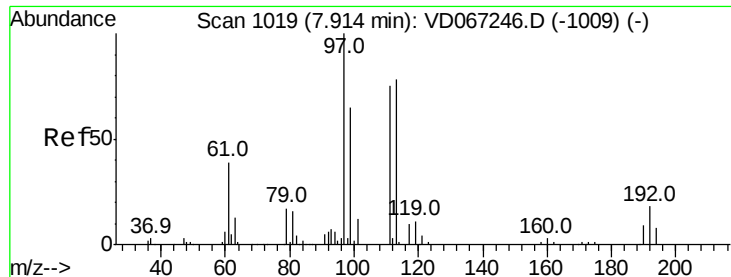
Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Tgt Ion: 114 Resp: 573534

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	35.0
88	14.9	0.0	30.6

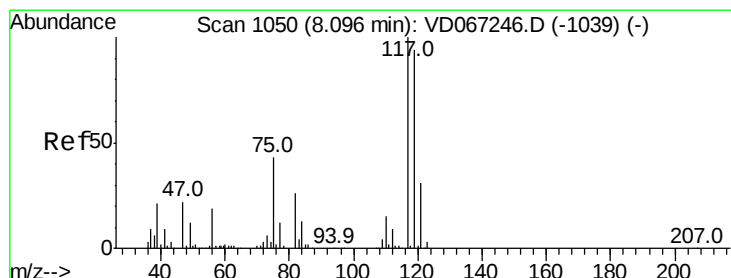
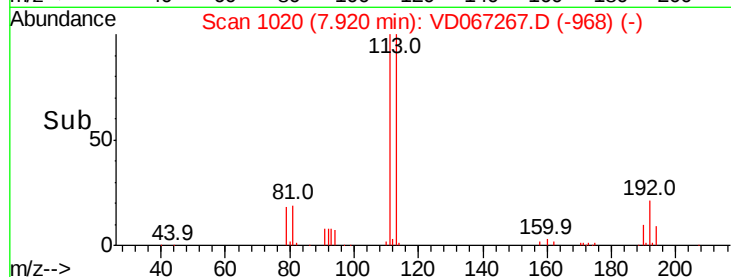
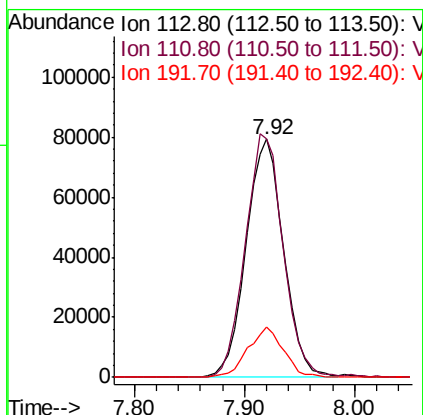
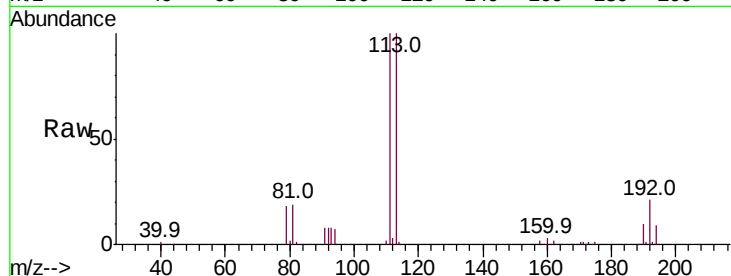




#35
Dibromofluoromethane
Concen: 49.497 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067267.D
Acq: 14 Oct 2020 13:27

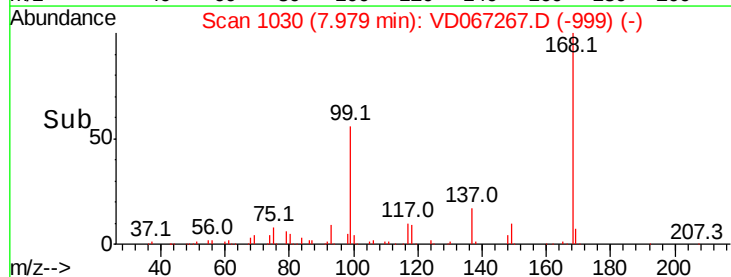
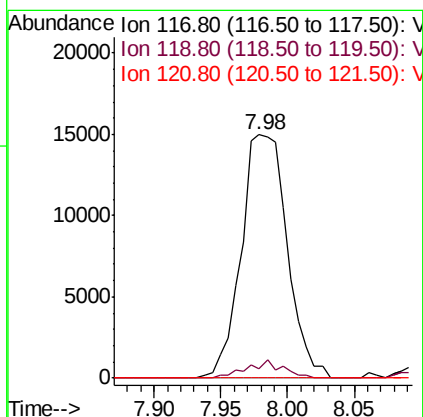
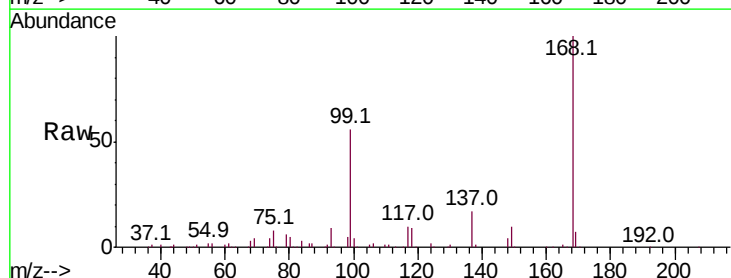
Instrument :
MSVOA_D
ClientSampleId :
TR-08-101320

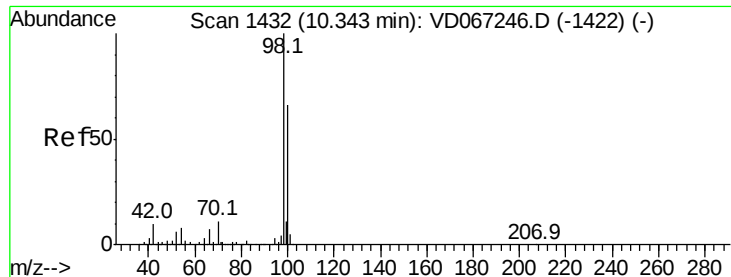
Tot Ion:113 Resp: 188923
Ion Ratio Lower Upper
113 100
111 103.7 81.6 122.4
192 20.2 17.0 25.4



#38
Carbon Tetrachloride
Concen: 5.728 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067267.D
Acq: 14 Oct 2020 13:27

Tgt Ion:117 Resp: 35586
Ion Ratio Lower Upper
117 100
119 3.6 75.0 112.4#
121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 48.226 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

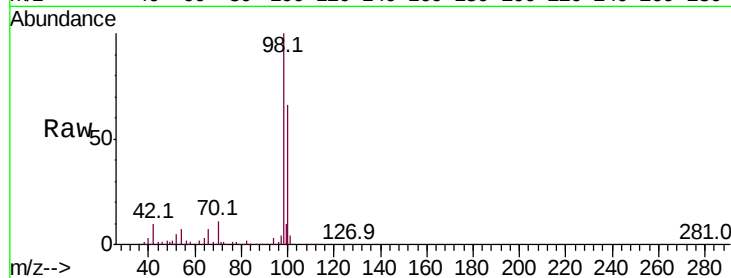
TR-08-101320

Tot Ion: 98 Resp: 666142

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

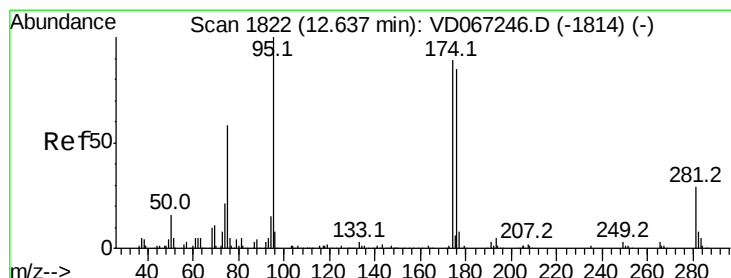
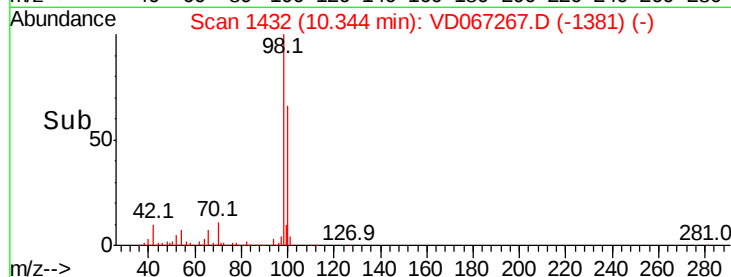
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.699 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

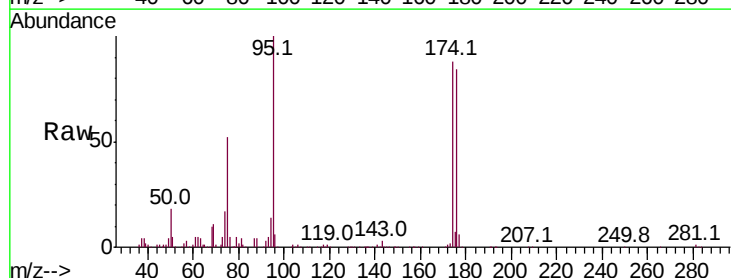
Tgt Ion: 95 Resp: 233905

Ion Ratio Lower Upper

95 100

174 89.3 0.0 175.2

176 84.5 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

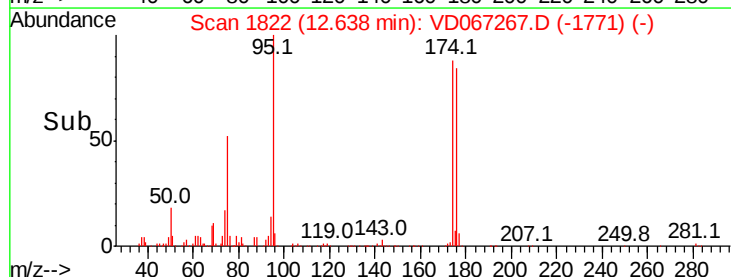
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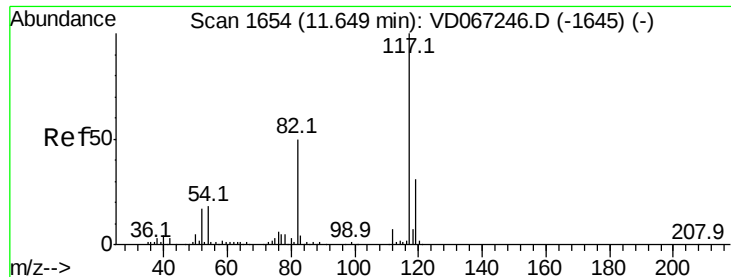
100000

50000

0

Time-->

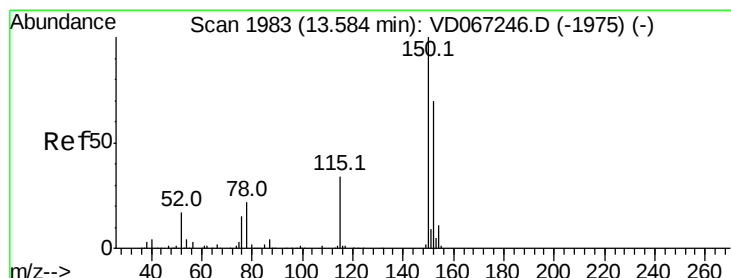
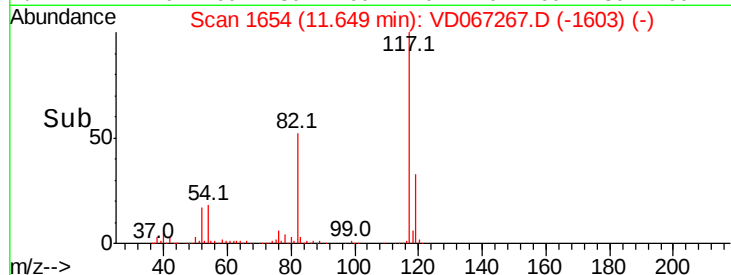
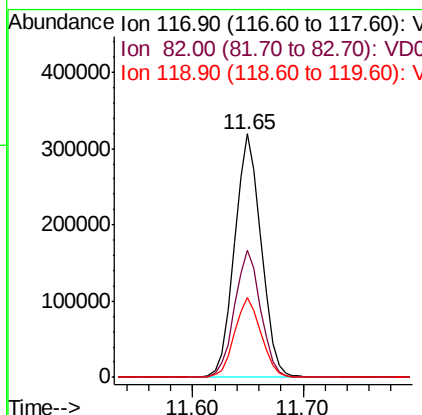
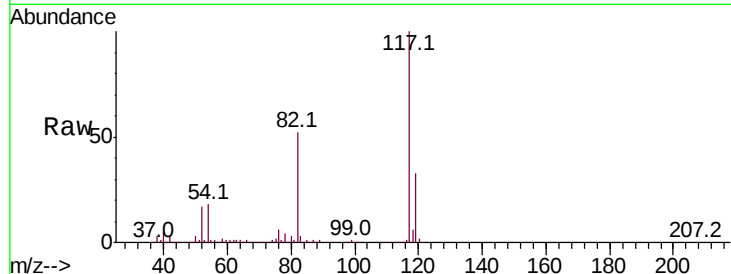




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067267.D
Acq: 14 Oct 2020 13:27

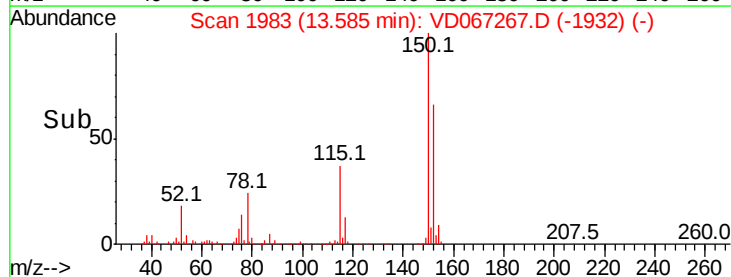
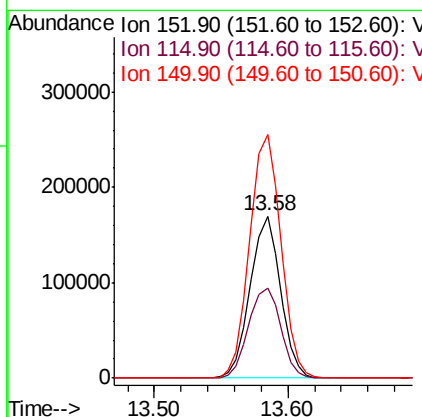
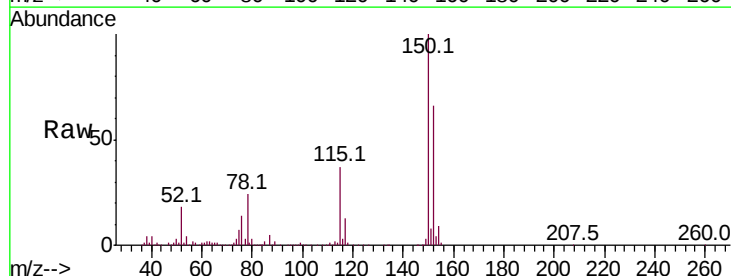
Instrument :
MSVOA_D
ClientSampleId :
TR-08-101320

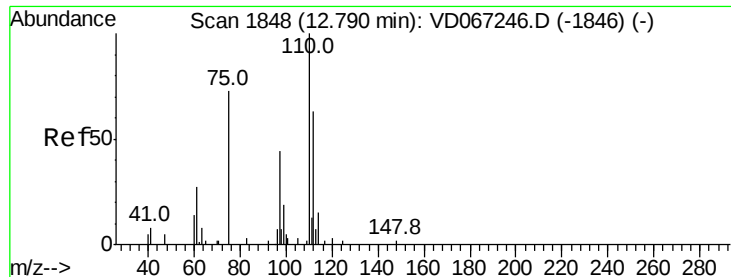
Tot Ion:117 Resp: 540479
Ion Ratio Lower Upper
117 100
82 52.4 39.9 59.9
119 32.5 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067267.D
Acq: 14 Oct 2020 13:27

Tgt Ion:152 Resp: 266315
Ion Ratio Lower Upper
152 100
115 58.9 29.3 87.9
150 155.0 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 64.968 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

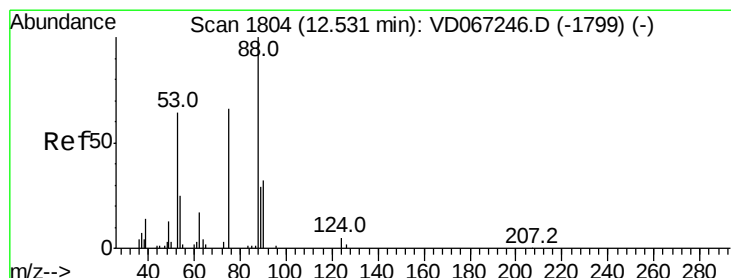
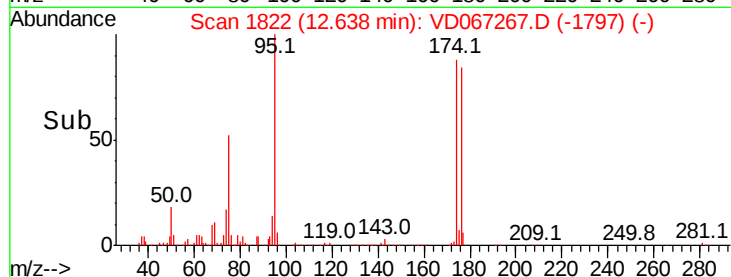
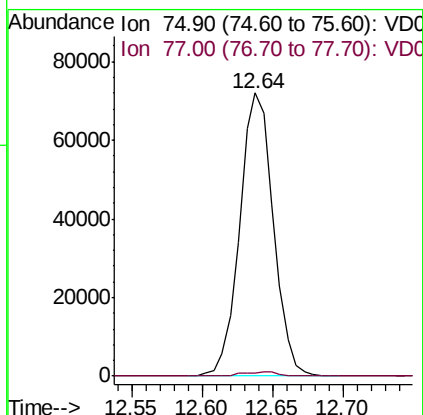
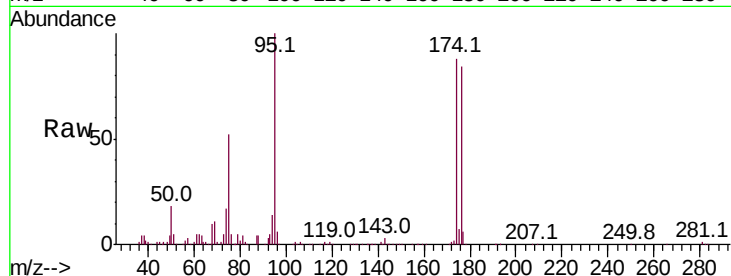
TR-08-101320

Tot Ion: 75 Resp: 119919

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.328 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

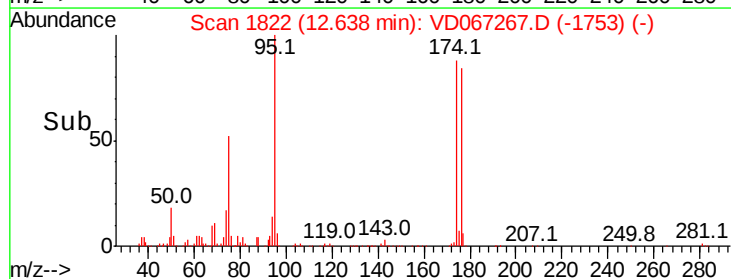
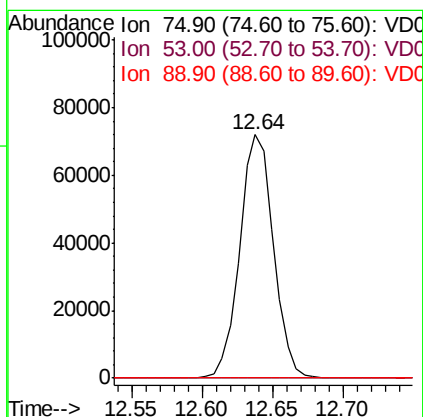
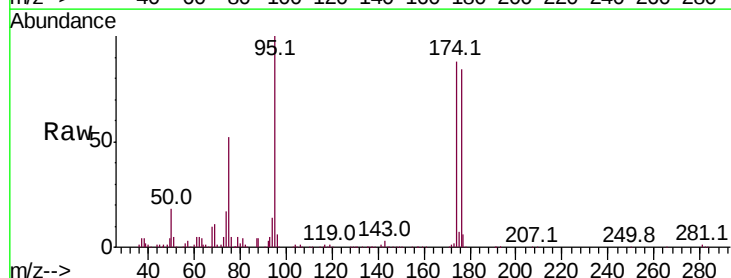
Tgt Ion: 75 Resp: 119919

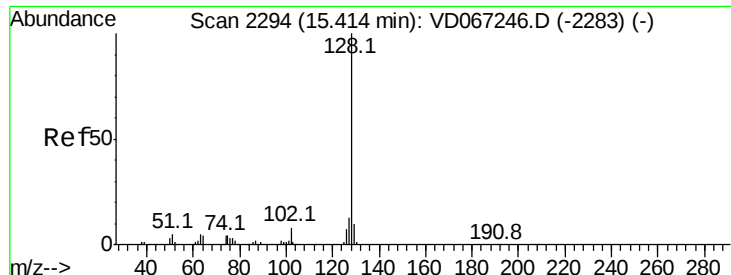
Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 39.9 59.9#





#95

Naphthalene

Concen: 5.022 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD067267.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

TR-08-101320

Tot Ion:128 Resp: 39391

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

129 11.4 8.6 12.8

