

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067910.D
 Acq On : 08 Dec 2020 12:47
 Operator : VA/SY
 Sample : L4965-06
 Misc : 5.61G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT002

Quant Time: Dec 09 04:27:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	204378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	278415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	250374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	98871	45.06	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.12%
35) Dibromofluoromethane	7.91	113	83358	44.74	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.48%
50) Toluene-d8	10.34	98	312355	46.58	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.16%
62) 4-Bromofluorobenzene	12.64	95	104196	44.94	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.88%

Target Compounds

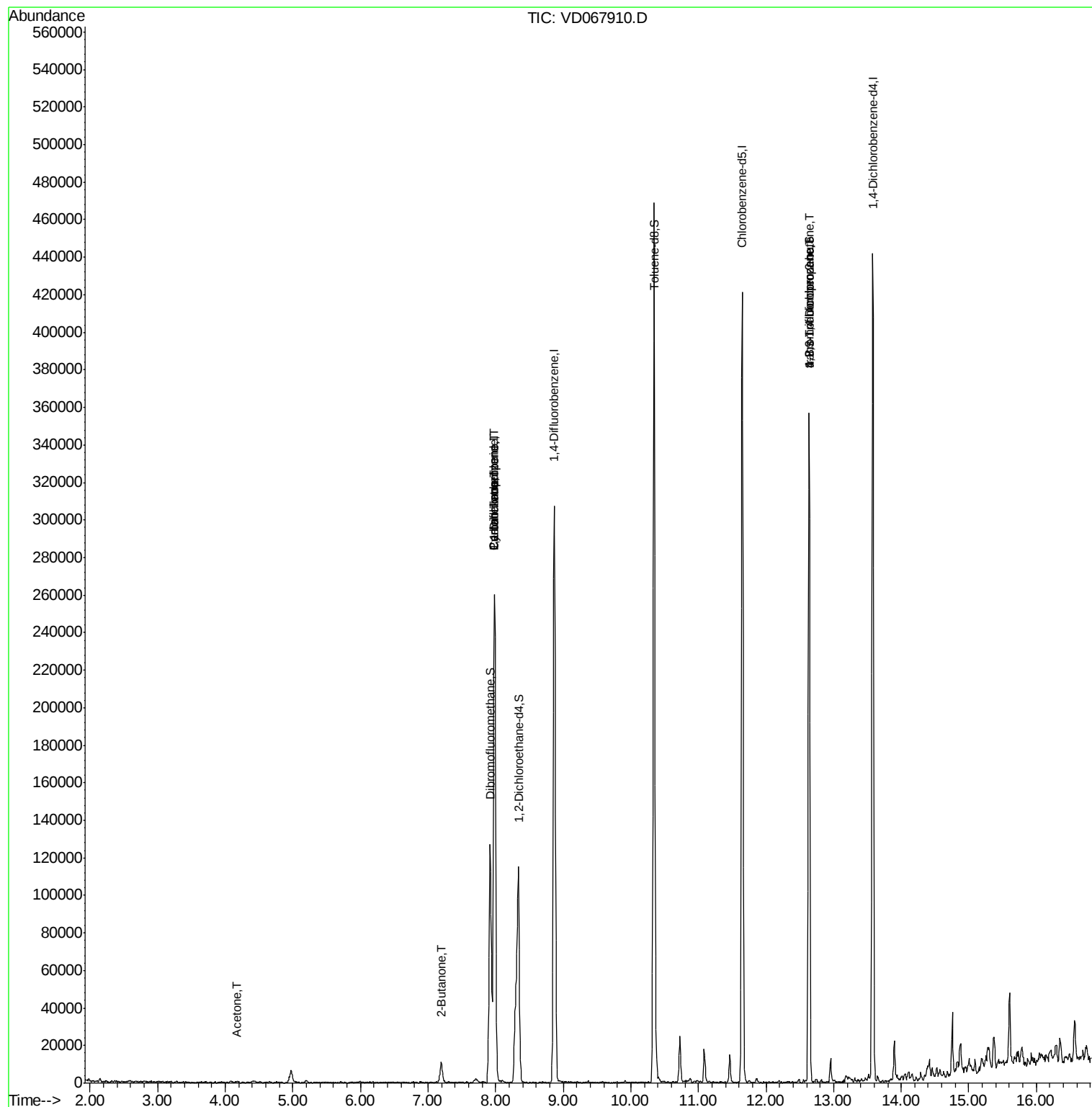
	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	463	Below Cal	#	74
16) Acetone	4.17	43	663	2.445	ug/l #	47
20) Methylene Chloride	4.98	84	5492	Below Cal	#	79
25) 2-Butanone	7.20	43	394	1.382	ug/l #	36
31) Cyclohexane	7.98	56	4059	1.756	ug/l #	38
36) 1,1-Dichloropropene	7.99	75	13363	5.544	ug/l #	52
38) Carbon Tetrachloride	7.99	117	22036	6.043	ug/l #	13
76) 1,2,3-Trichloropropane	12.64	75	55999	63.681	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	55999	152.331	ug/l #	7

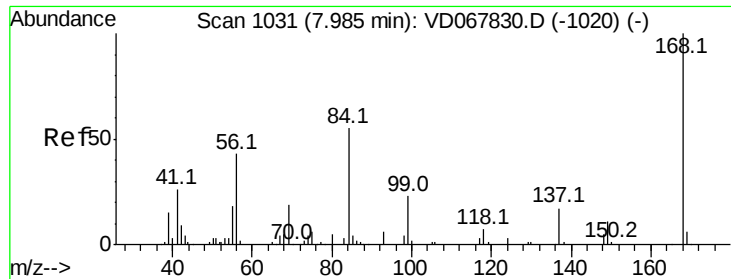
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

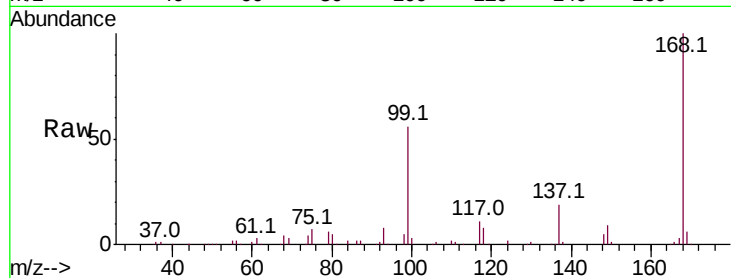
Instrument :
MSVOA_D
ClientSampleId :
CRT002

Tot Ion:168 Resp: 204378

Ion Ratio Lower Upper

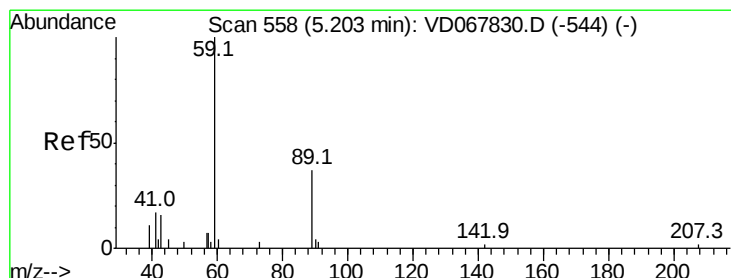
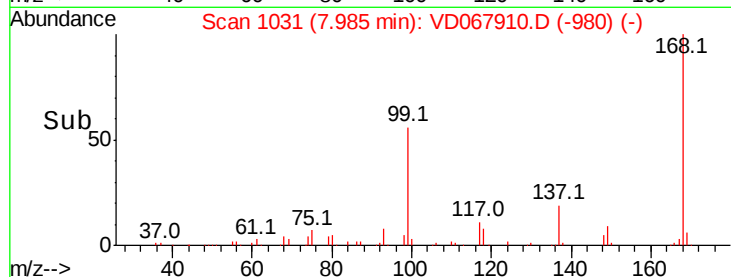
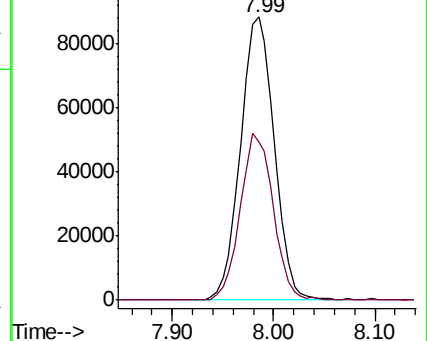
168 100

99 55.7 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD067910.D

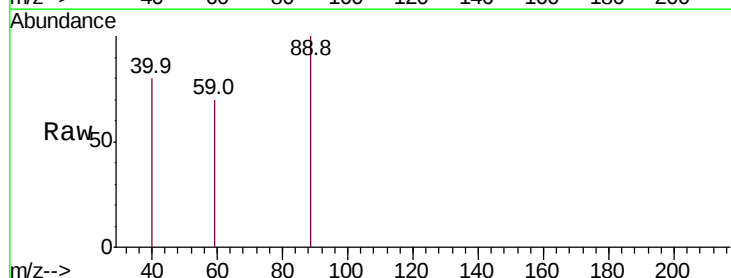
Acq: 08 Dec 2020 12:47

Tgt Ion: 59 Resp: 463

Ion Ratio Lower Upper

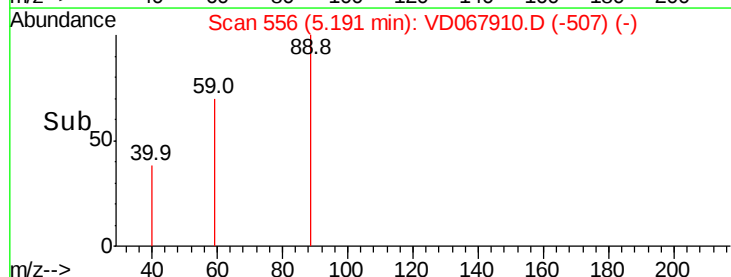
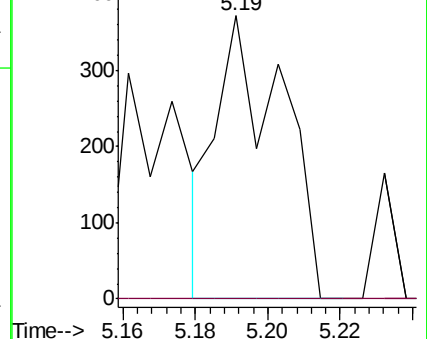
59 100

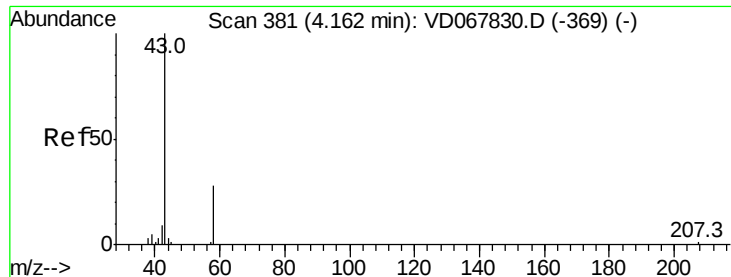
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.445 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

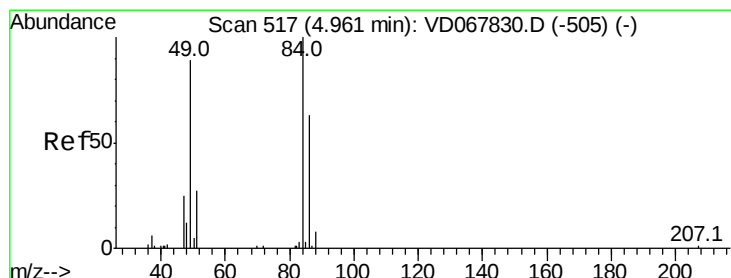
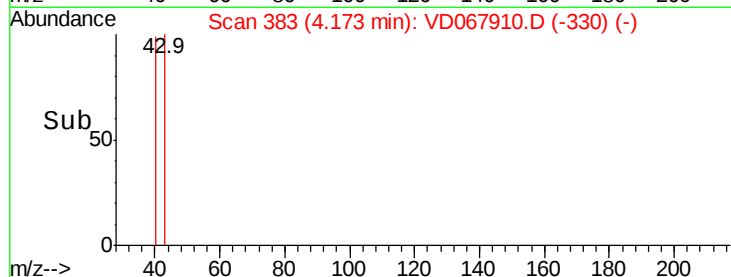
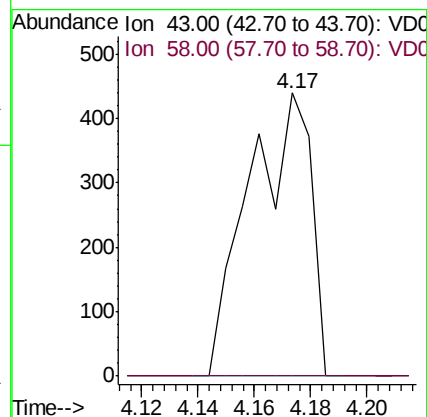
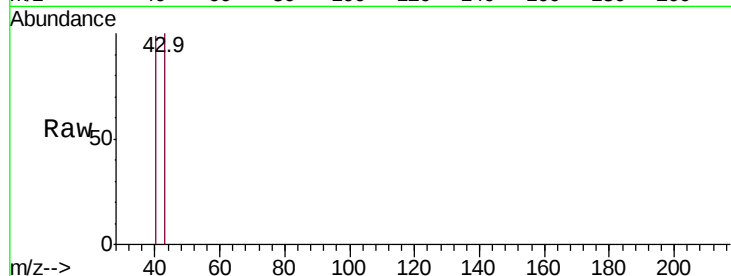
CRT002

Tot Ion: 43 Resp: 663

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

Tgt Ion: 84 Resp: 5492

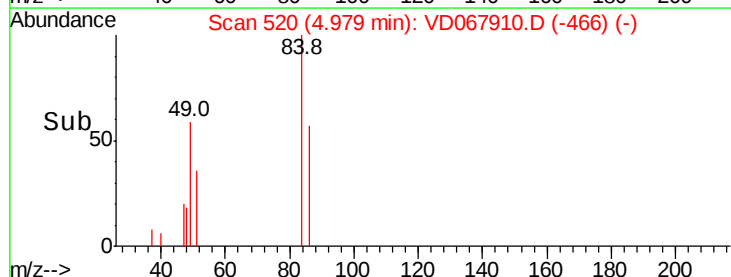
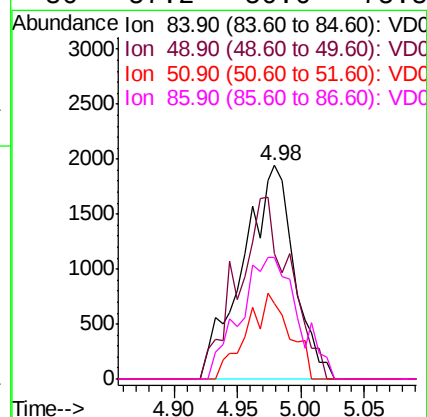
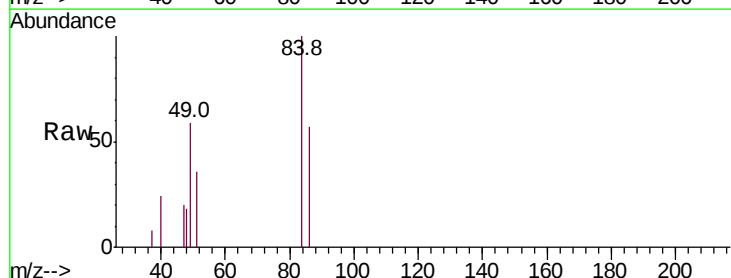
Ion Ratio Lower Upper

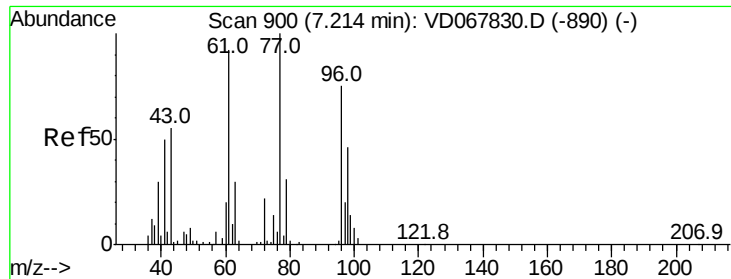
84 100

49 58.8 71.4 107.0#

51 35.7 21.8 32.8#

86 57.2 50.6 75.8





#25

2-Butanone

Concen: 1.382 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

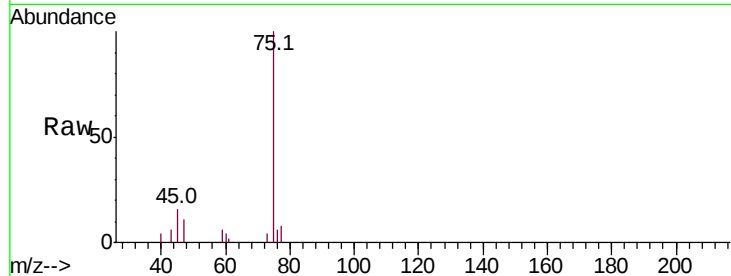
Instrument :
MSVOA_D
ClientSampleId :
CRT002

Tot Ion: 43 Resp: 394

Ion Ratio Lower Upper

43 100

72 0.0 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.20

400

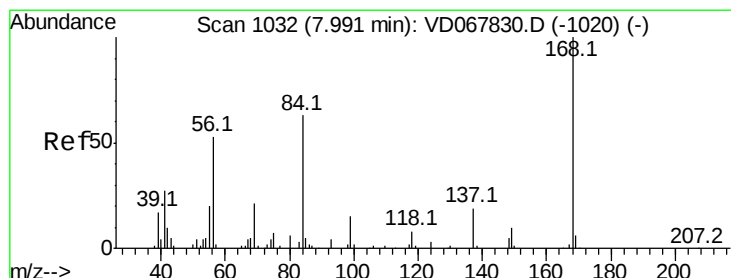
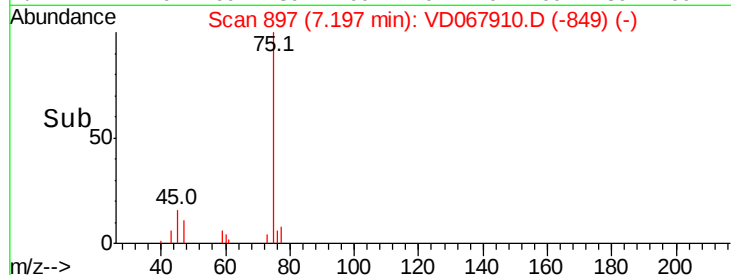
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.756 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

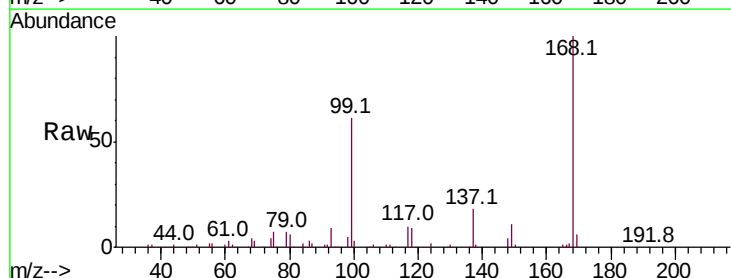
Tgt Ion: 56 Resp: 4059

Ion Ratio Lower Upper

56 100

69 143.8 32.1 48.1#

84 87.8 93.2 139.8#



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

4000

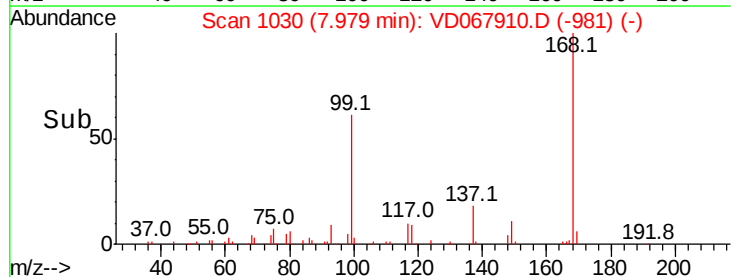
3000

2000

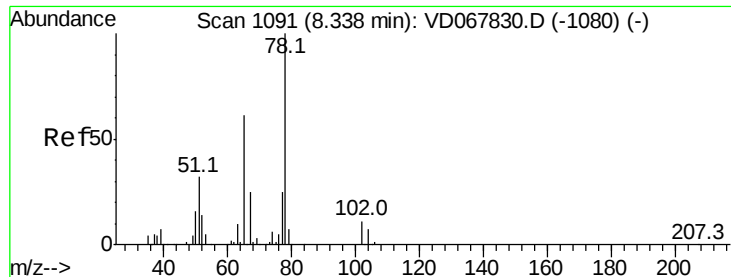
1000

0

Time-->



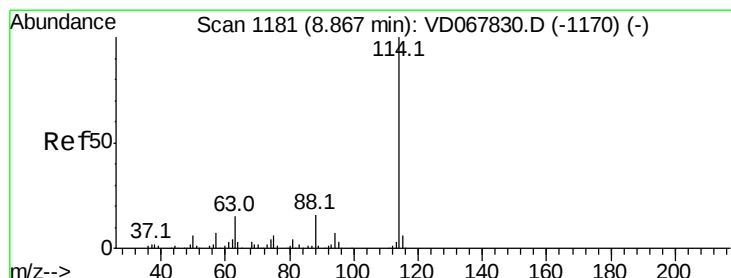
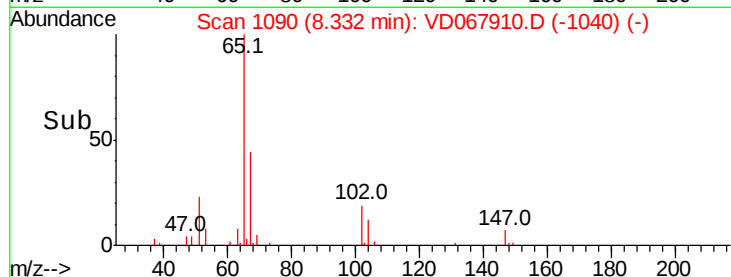
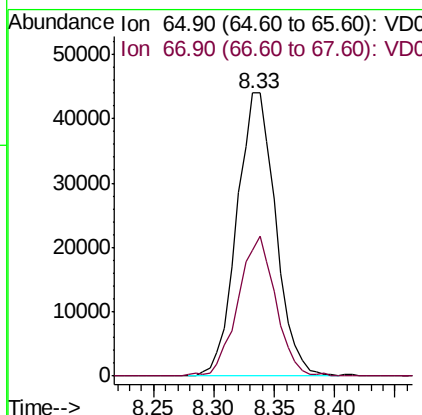
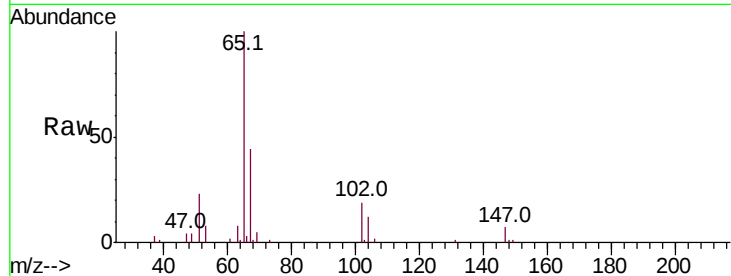
7.98



#33
 1,2-Dichloroethane-d4
 Concen: 45.063 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067910.D
 Acq: 08 Dec 2020 12:47

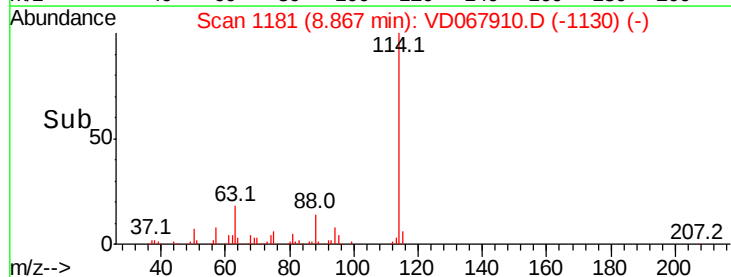
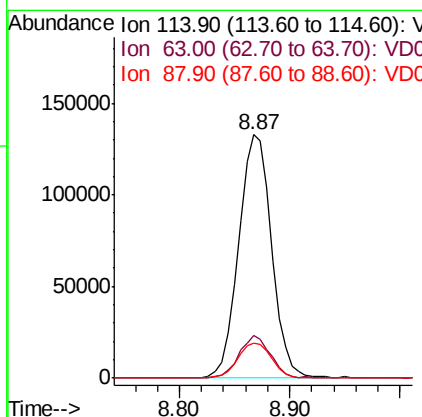
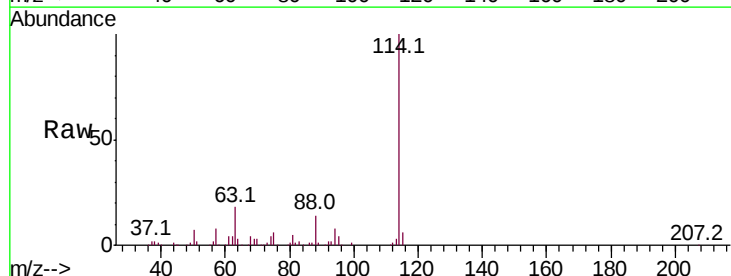
Instrument :
 MSVOA_D
 ClientSampleId :
 CRT002

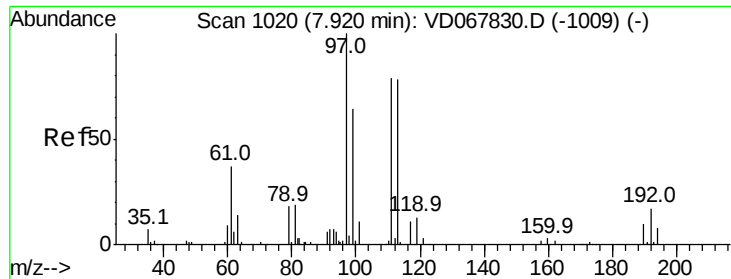
Tot Ion: 65 Resp: 98871
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067910.D
 Acq: 08 Dec 2020 12:47

Tgt Ion: 114 Resp: 278415
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 30.8
 88 14.3 0.0 31.8

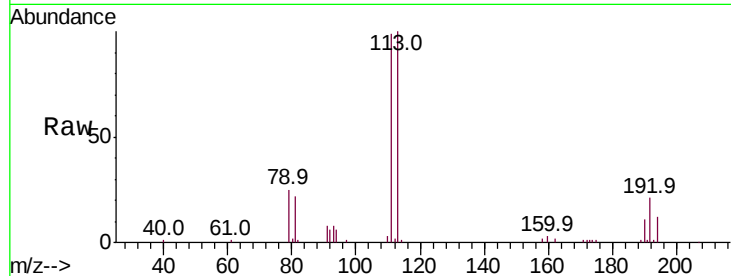




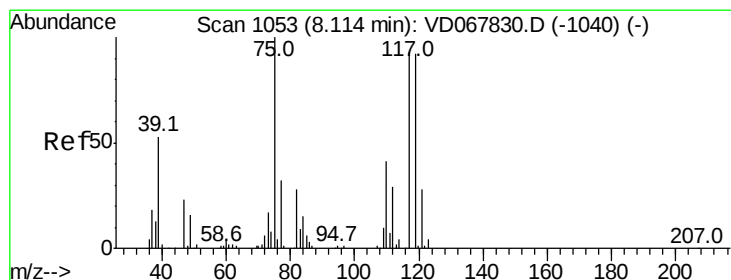
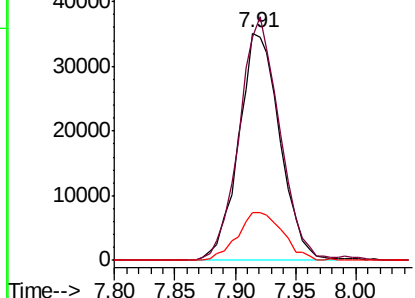
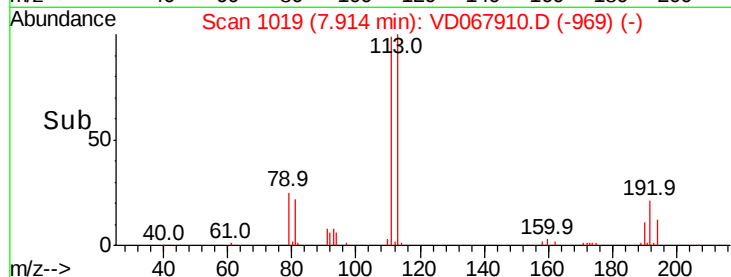
#35
 Dibromofluoromethane
 Concen: 44.744 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067910.D
 Acq: 08 Dec 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT002

Tot Ion:113 Resp: 83358
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.2 121.8
 192 23.2 16.8 25.2

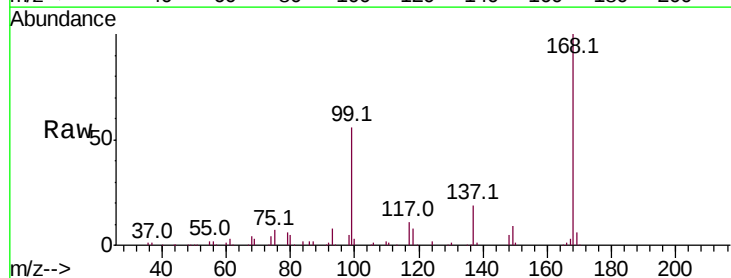


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

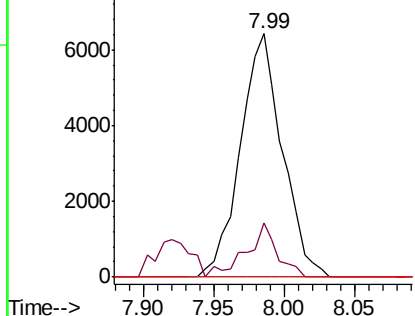
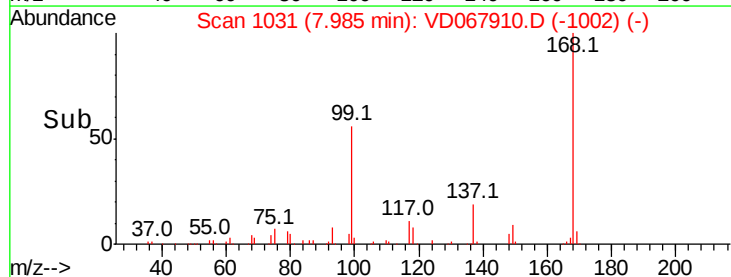


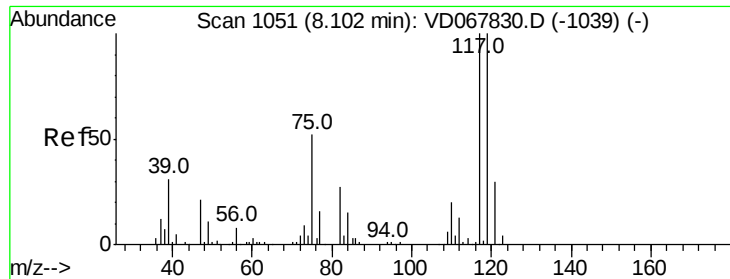
#36
 1,1-Dichloropropene
 Concen: 5.544 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067910.D
 Acq: 08 Dec 2020 12:47

Tgt Ion: 75 Resp: 13363
 Ion Ratio Lower Upper
 75 100
 110 15.0 20.3 61.0#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.043 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

CRT002

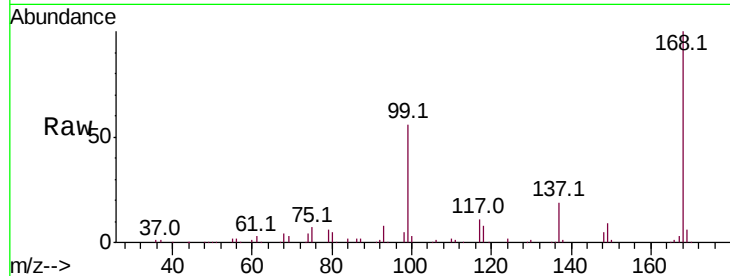
Tot Ion:117 Resp: 22036

Ion Ratio Lower Upper

117 100

119 3.7 79.7 119.5#

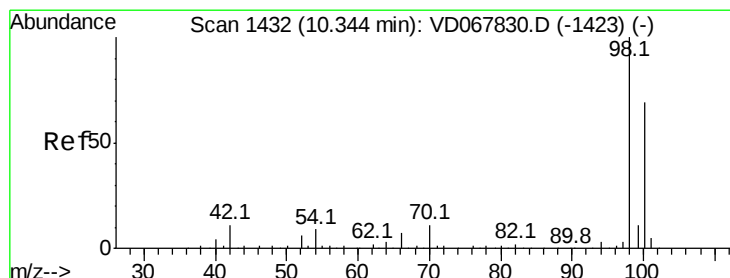
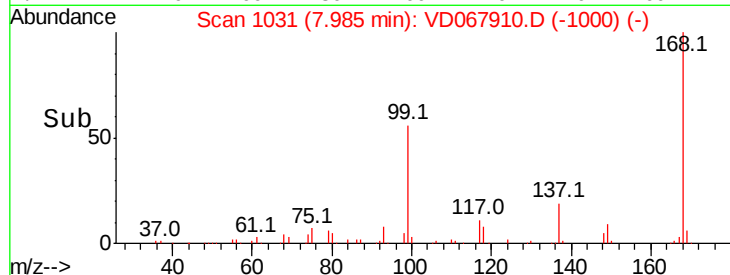
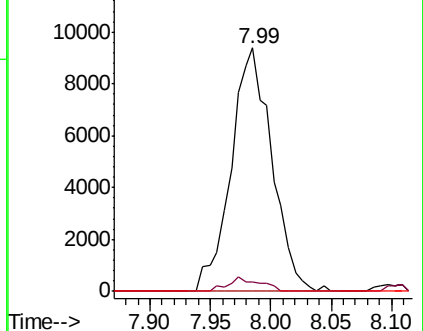
121 0.0 23.8 35.6#



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: 46.575 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067910.D

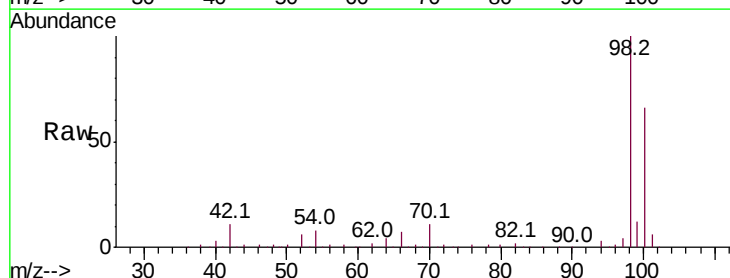
Acq: 08 Dec 2020 12:47

Tgt Ion: 98 Resp: 312355

Ion Ratio Lower Upper

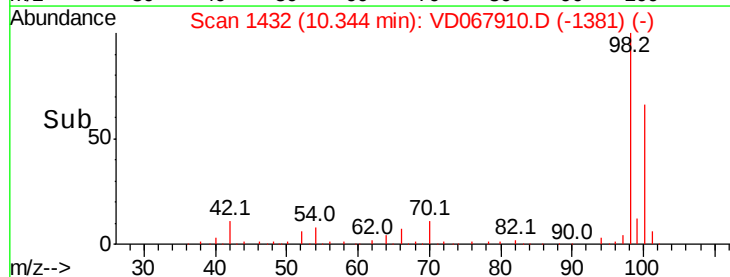
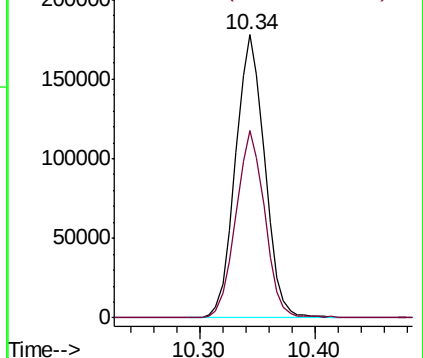
98 100

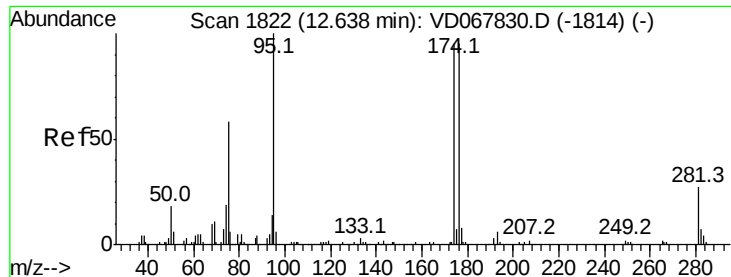
100 65.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.939 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

CRT002

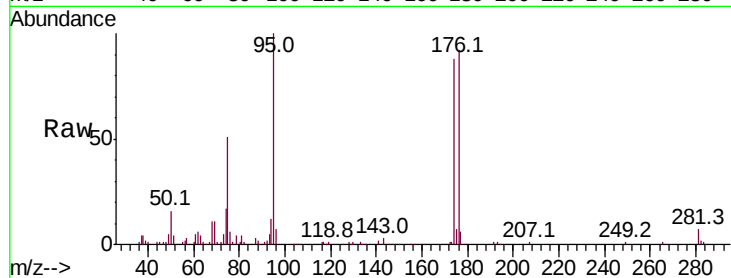
Tot Ion: 95 Resp: 104196

Ion Ratio Lower Upper

95 100

174 95.0 0.0 186.0

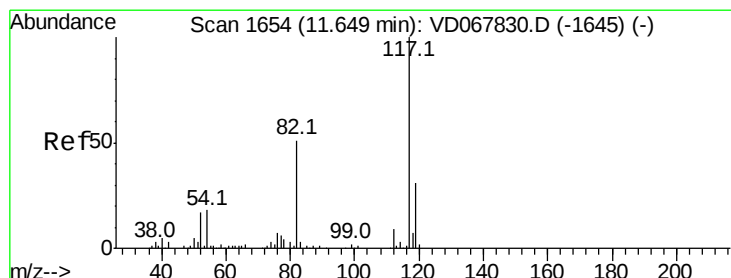
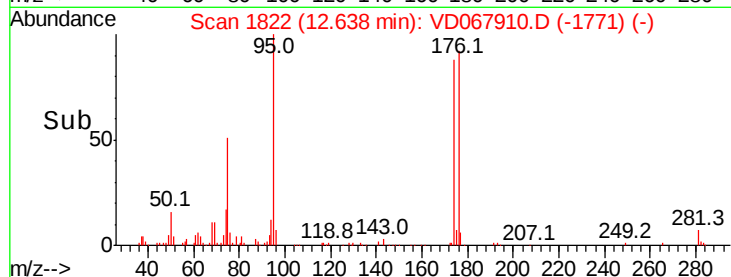
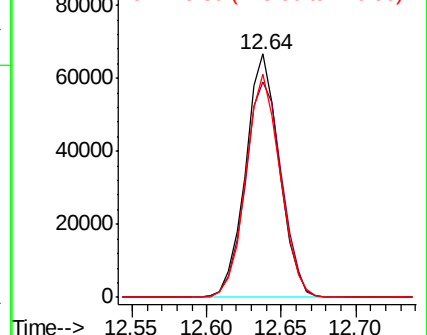
176 93.2 0.0 184.2



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: VD067910.D

Acq: 08 Dec 2020 12:47

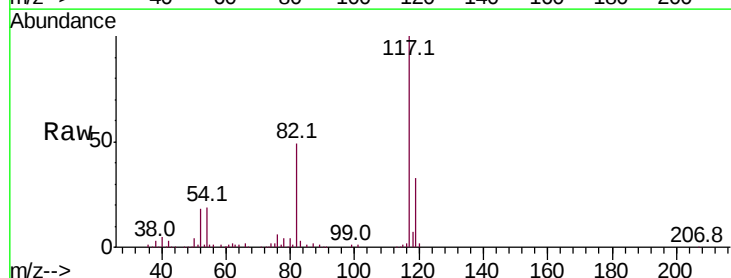
Tgt Ion: 117 Resp: 250374

Ion Ratio Lower Upper

117 100

82 49.0 40.6 60.8

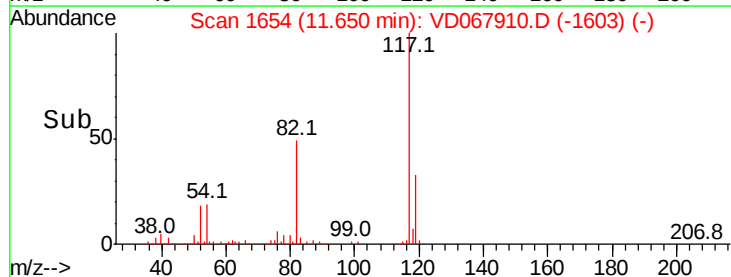
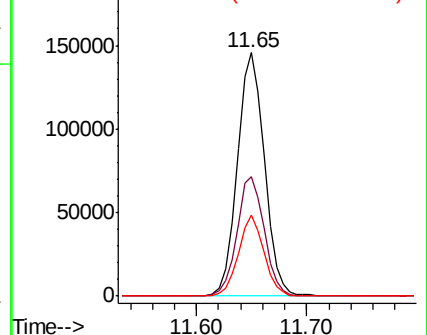
119 33.3 25.1 37.7

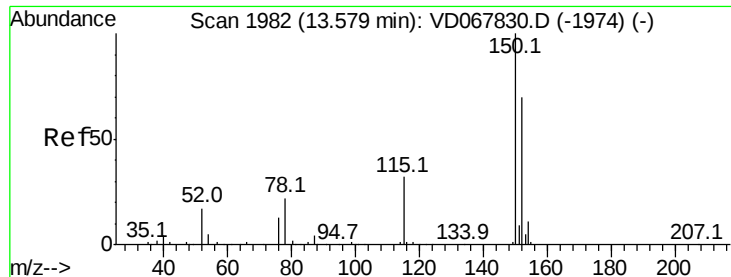


Abundance Ion 116.90 (116.60 to 117.60): V

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. 0.00 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

CRT002

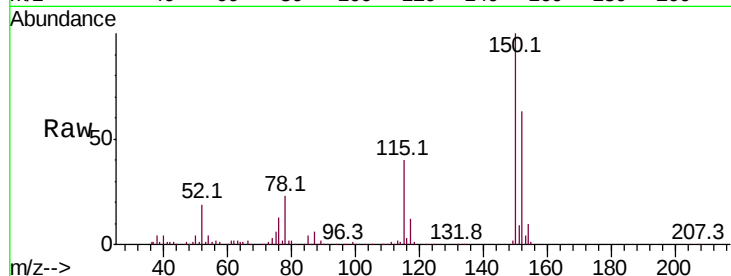
Tot Ion:152 Resp: 120754

Ion Ratio Lower Upper

152 100

115 59.7 29.1 87.4

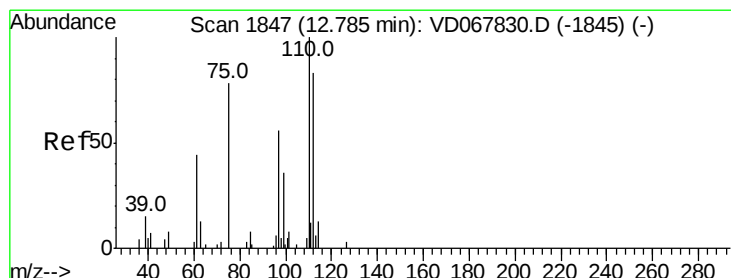
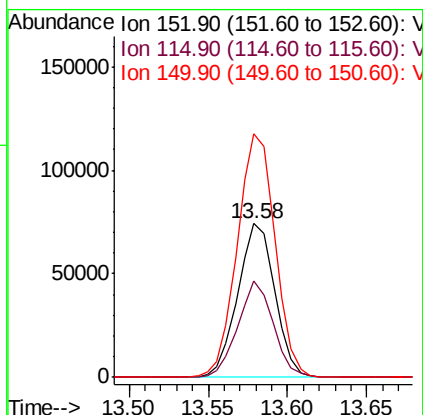
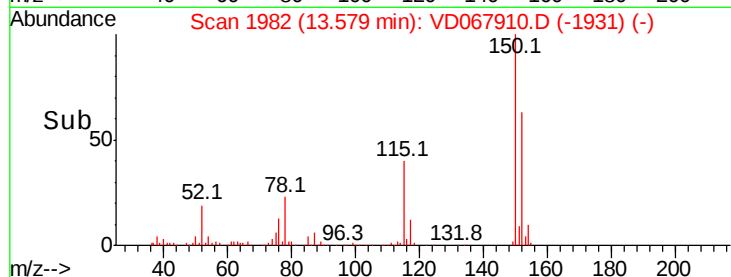
150 161.0 0.0 339.0



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: 63.681 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067910.D

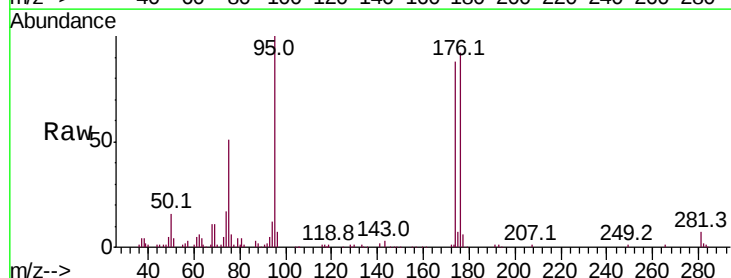
Acq: 08 Dec 2020 12:47

Tgt Ion: 75 Resp: 55999

Ion Ratio Lower Upper

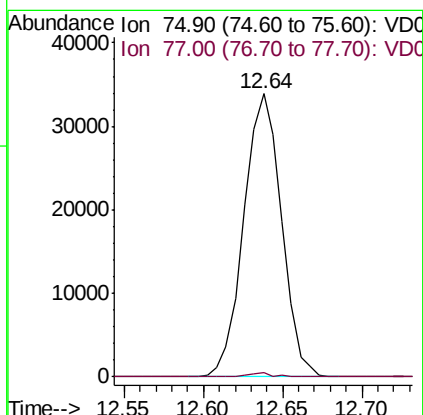
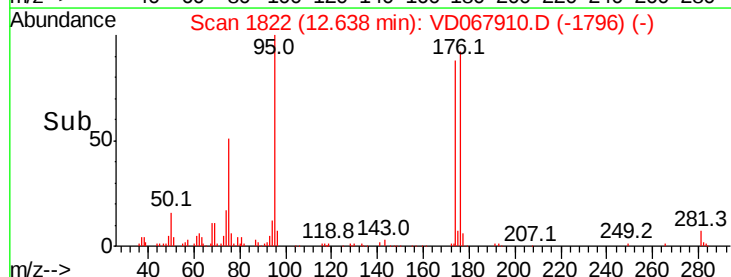
75 100

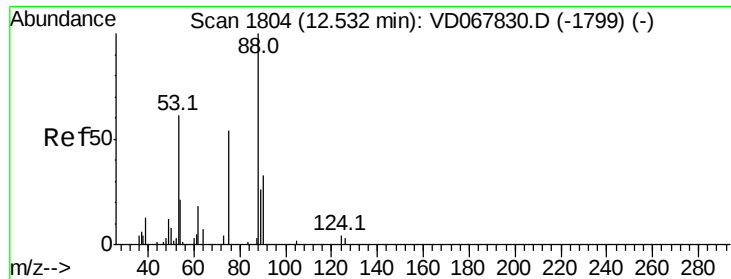
77 0.9 175.9 527.7#



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: 152.331 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067910.D

Acq: 08 Dec 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

CRT002

Tot Ion: 75 Resp: 55999

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.1 41.0 61.6#

