

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067744.D
 Acq On : 23 Nov 2020 14:32
 Operator : VA/SY
 Sample : VD1123SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBL01

Quant Time: Nov 24 00:55:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	277529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	423925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	380105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	186414	50.00	ug/l	0.00

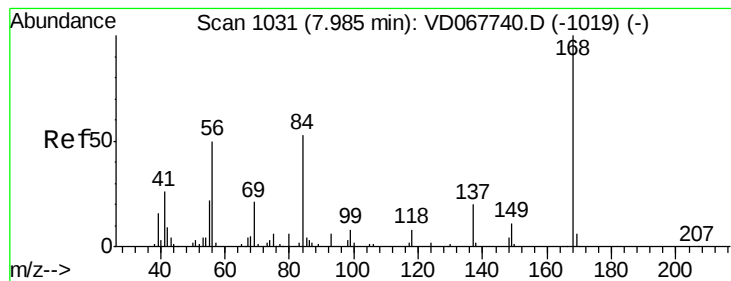
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	144205	53.44	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.88%
35) Dibromofluoromethane	7.92	113	132702	49.19	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.38%
50) Toluene-d8	10.34	98	482813	48.95	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.90%
62) 4-Bromofluorobenzene	12.64	95	161740	47.97	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.94%

Target Compounds

					Qvalue
11) Tert butyl alcohol	5.21	59	1418	Below Cal	# 87
16) Acetone	4.16	43	1342	3.850	ug/l 91
20) Methylene Chloride	4.96	84	12781	Below Cal	88
25) 2-Butanone	7.21	43	1488	3.804	ug/l # 37
29) Tetrahydrofuran	7.56	42	276	1.241	ug/l # 21
31) Cyclohexane	7.98	56	7075	2.167	ug/l # 44
37) Ethyl Acetate	7.21	43	1488	1.521	ug/l # 1
51) 4-Methyl-2-Pentanone	10.23	43	1001	1.089	ug/l # 51
76) 1,2,3-Trichloropropane	12.63	75	86285	66.413	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.63	75	86285	155.335	ug/l # 11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

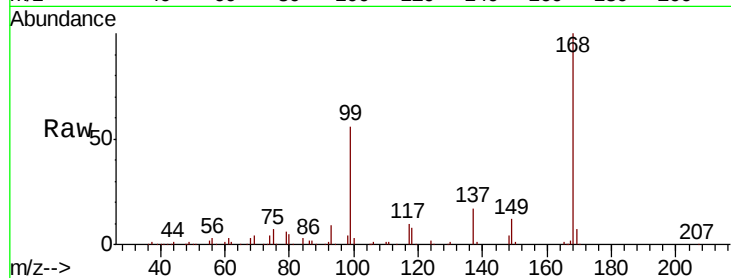
VD1123SBL01

Tot Ion:168 Resp: 277529

Ion Ratio Lower Upper

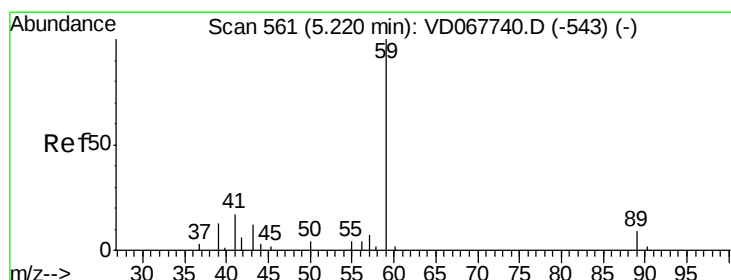
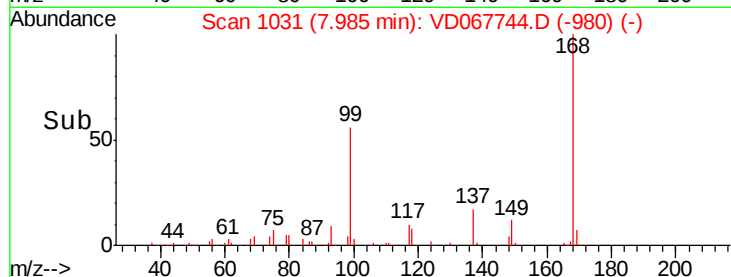
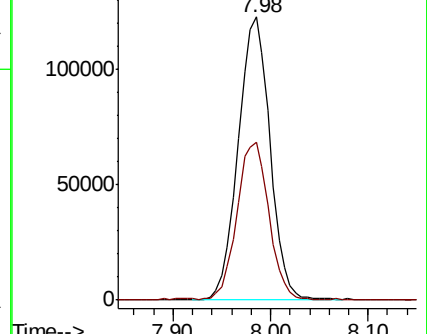
168 100

99 55.8 43.8 65.8



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: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067744.D

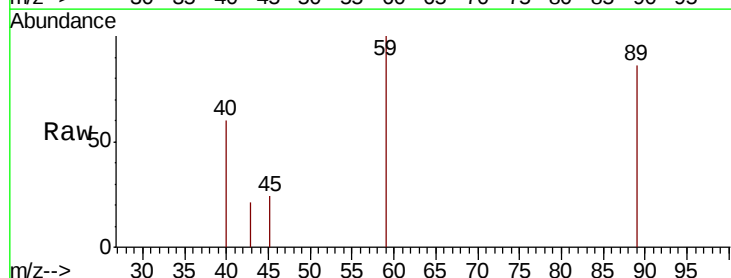
Acq: 23 Nov 2020 14:32

Tgt Ion: 59 Resp: 1418

Ion Ratio Lower Upper

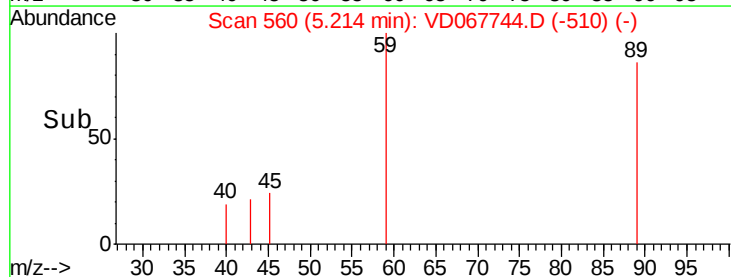
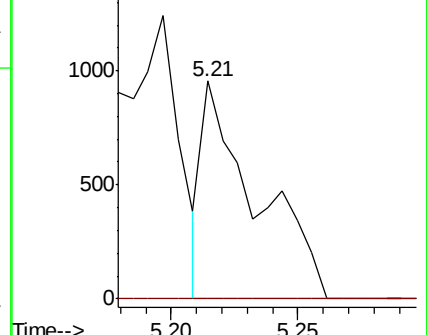
59 100

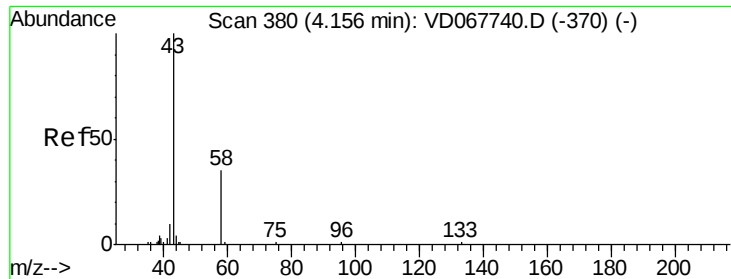
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.850 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

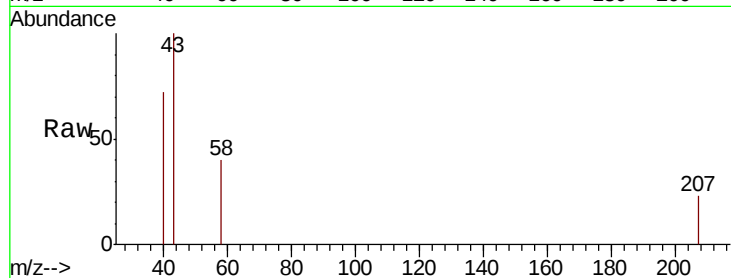
VD1123SBL01

Tot Ion: 43 Resp: 1342

Ion Ratio Lower Upper

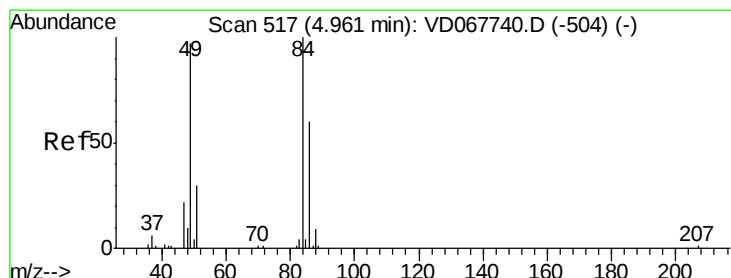
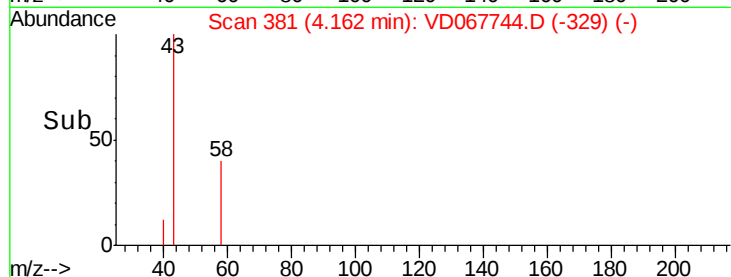
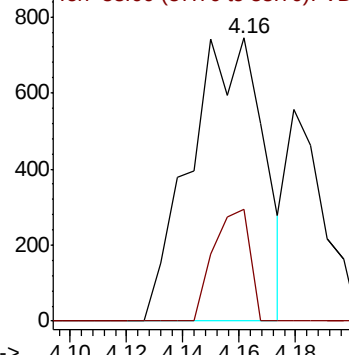
43 100

58 39.5 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

Tgt Ion: 84 Resp: 12781

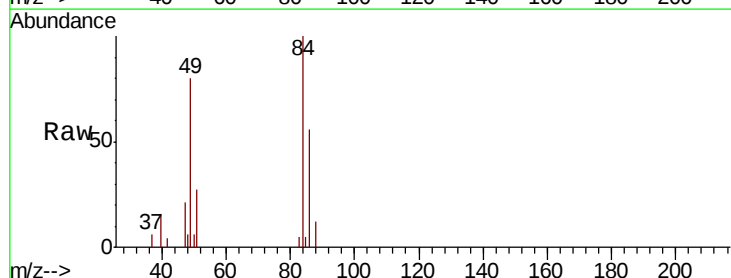
Ion Ratio Lower Upper

84 100

49 79.9 77.4 116.2

51 27.0 24.1 36.1

86 55.8 48.2 72.2

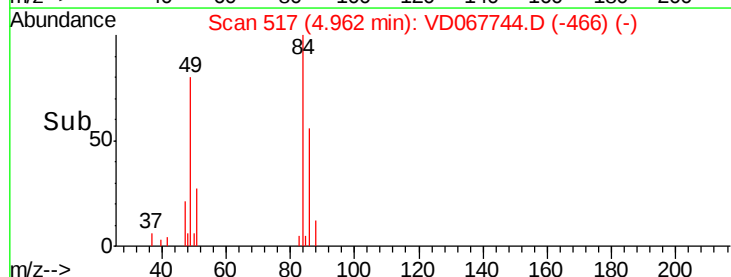
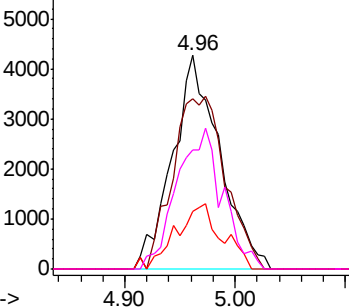


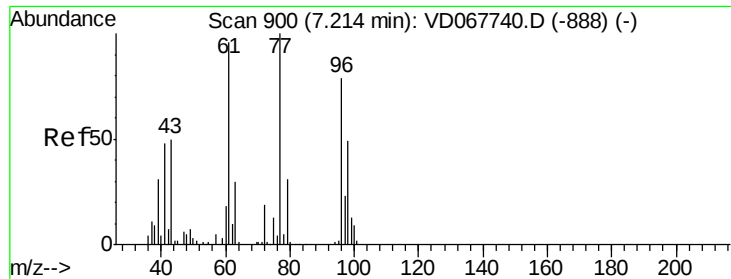
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 3.804 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

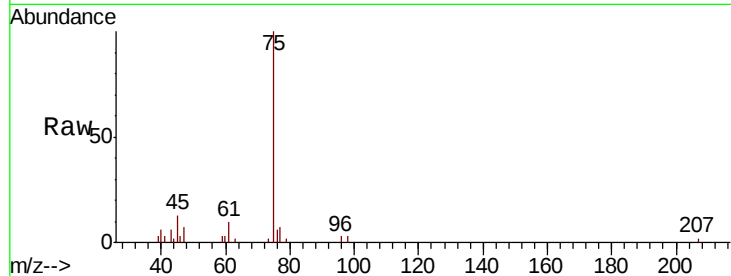
VD1123SBL01

Tot Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

72 0.0 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

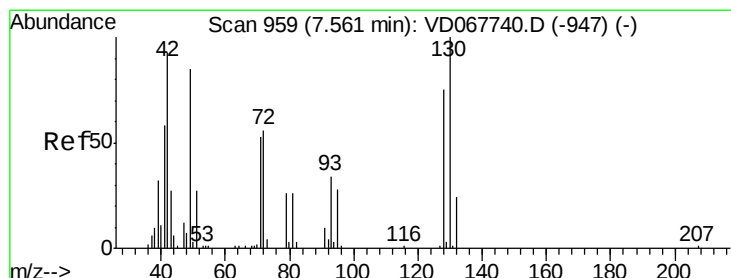
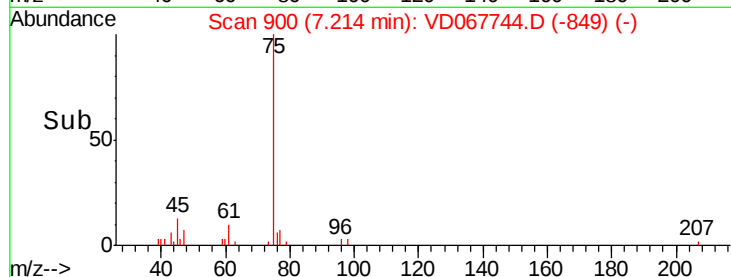
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 1.241 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

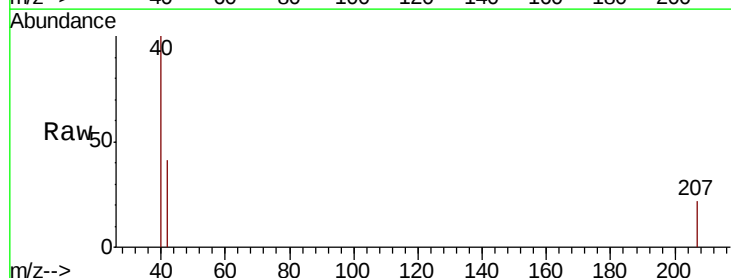
Tgt Ion: 42 Resp: 276

Ion Ratio Lower Upper

42 100

72 0.0 49.3 73.9#

71 0.0 45.9 68.9#



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

400

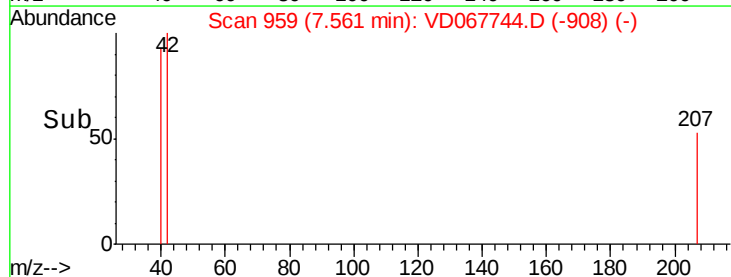
300

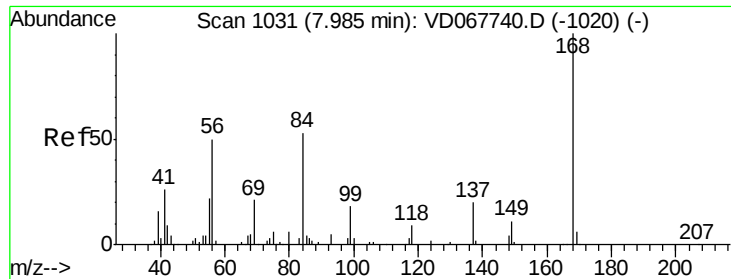
200

100

0

Time-->

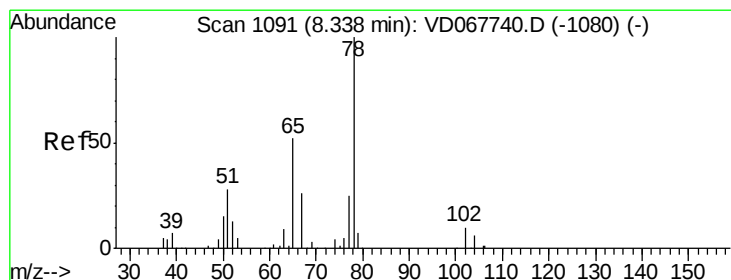
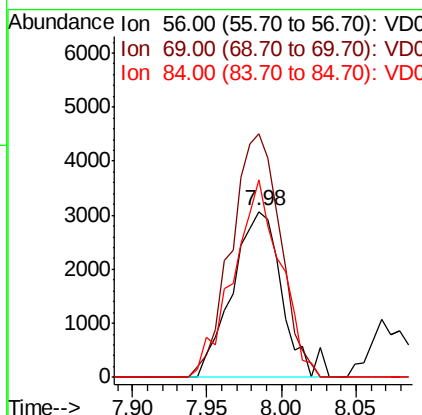
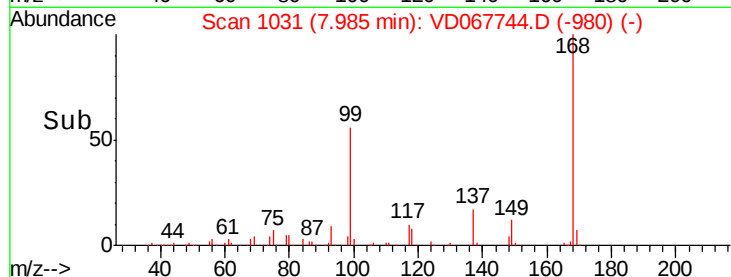
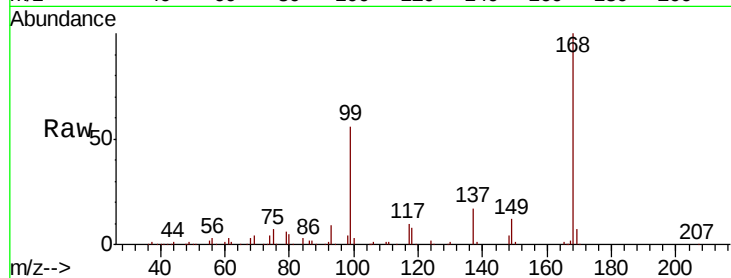




#31
Cyclohexane
Concen: 2.167 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067744.D
Acq: 23 Nov 2020 14:32

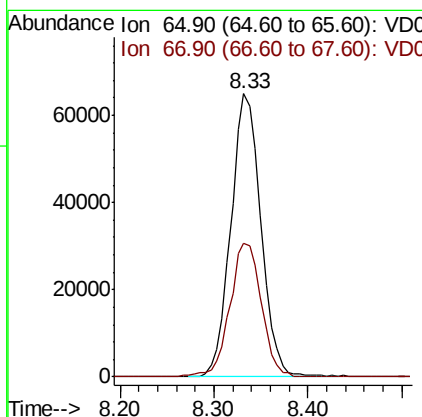
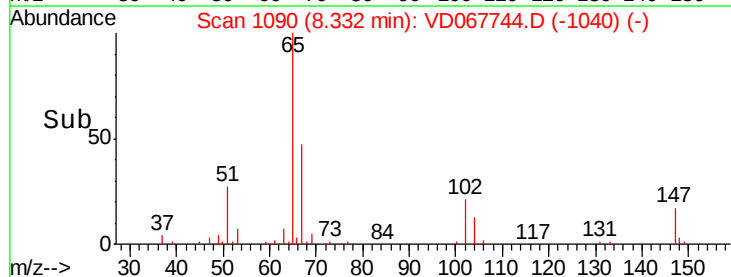
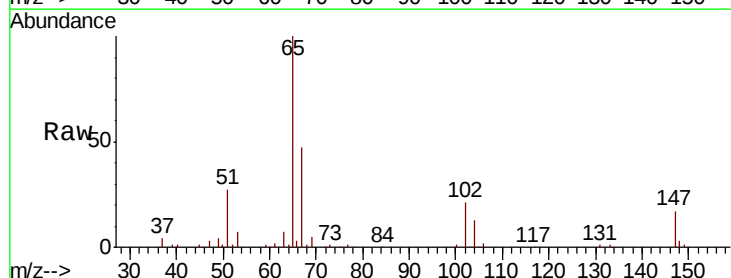
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBL01

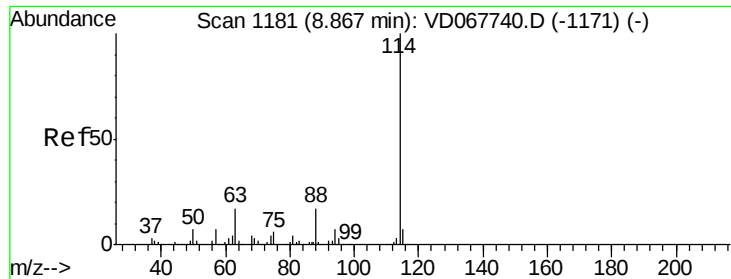
Tot Ion: 56 Resp: 7075
Ion Ratio Lower Upper
56 100
69 146.6 33.2 49.8#
84 118.6 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 53.440 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067744.D
Acq: 23 Nov 2020 14:32

Tgt Ion: 65 Resp: 144205
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.0

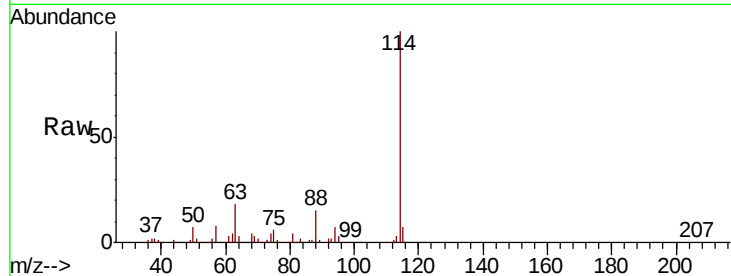




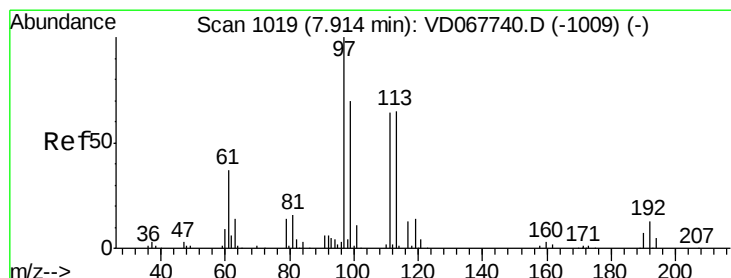
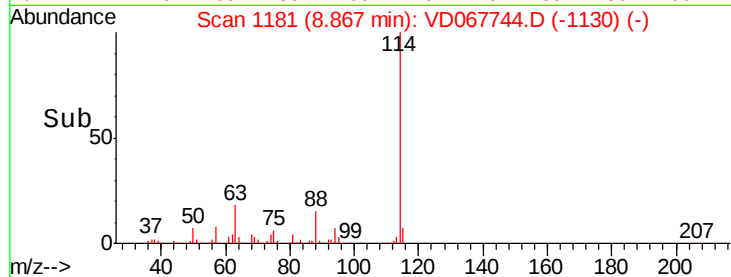
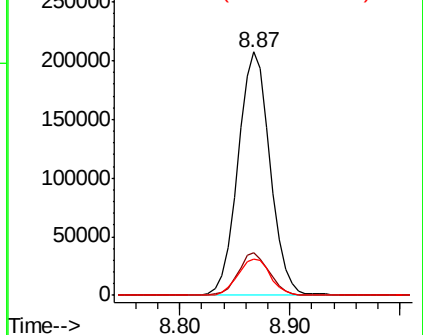
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067744.D
 Acq: 23 Nov 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	34.8
88	14.9	0.0	34.4

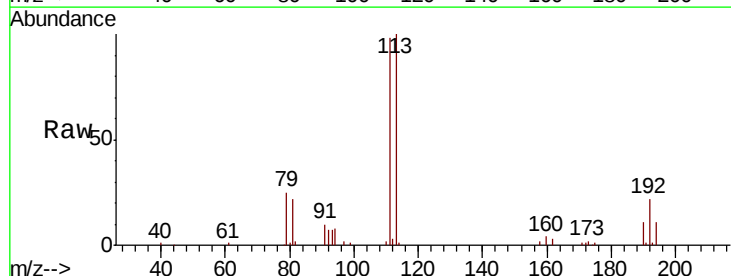


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

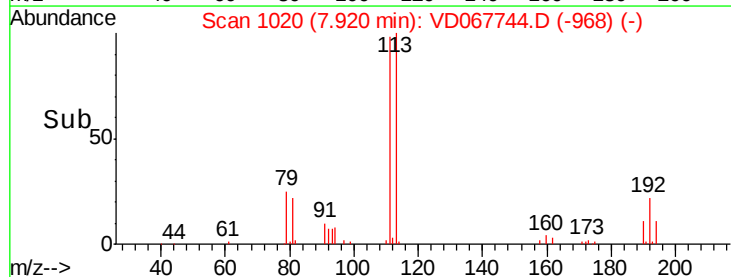
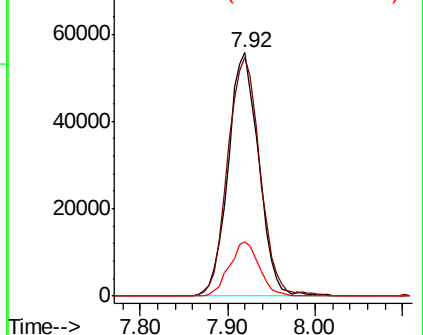


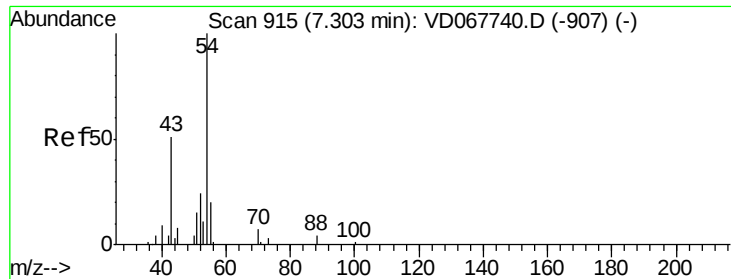
#35
 Dibromofluoromethane
 Concen: 49.188 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067744.D
 Acq: 23 Nov 2020 14:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.0
192	21.7	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

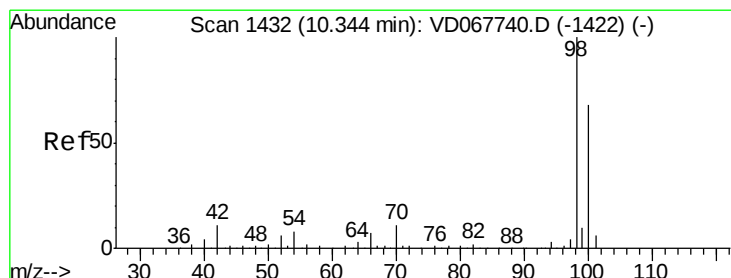
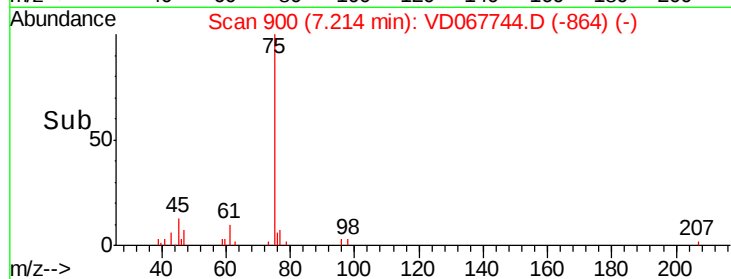
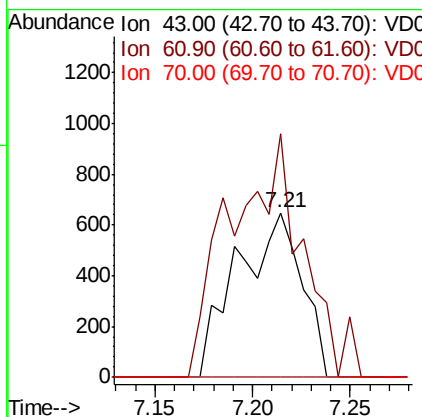
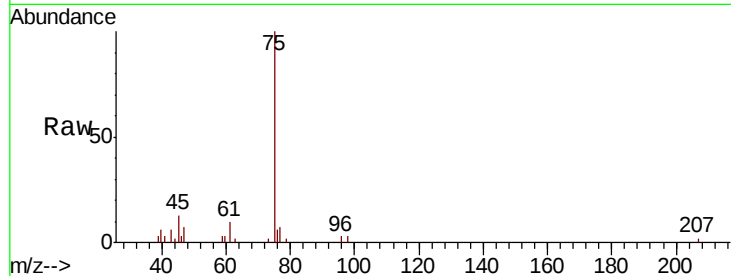




#37
Ethyl Acetate
Concen: 1.521 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.09 min
Lab File: VD067744.D
Acq: 23 Nov 2020 14:32

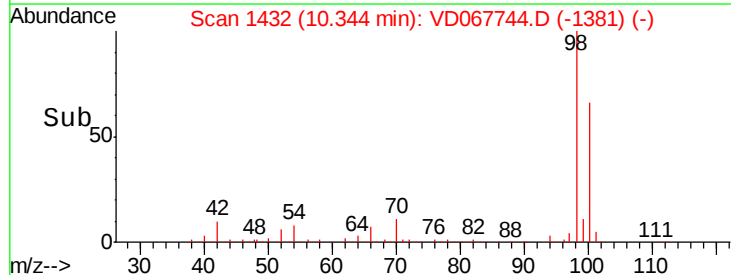
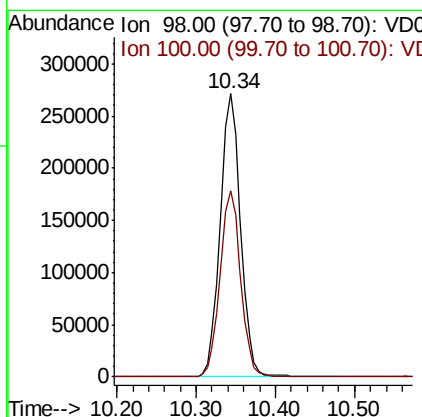
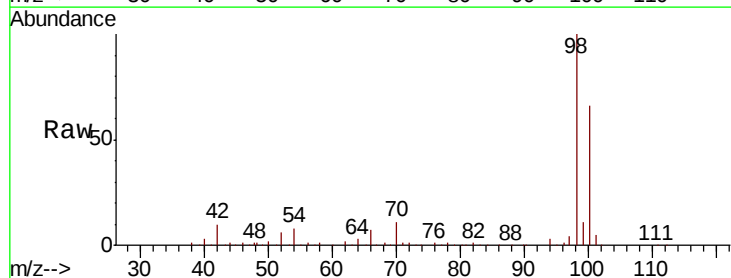
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBL01

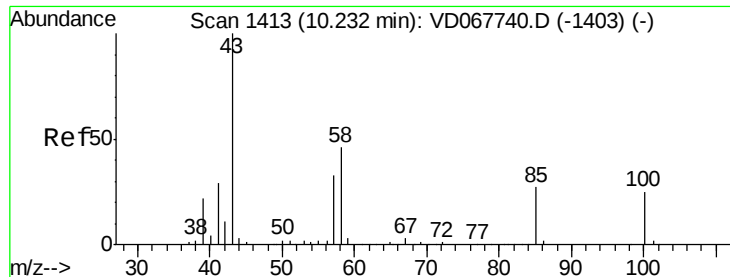
Tot Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
61 165.1 12.9 19.3#
70 0.0 12.2 18.2#



#50
Toluene-d8
Concen: 48.949 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067744.D
Acq: 23 Nov 2020 14:32

Tgt Ion: 98 Resp: 482813
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.089 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

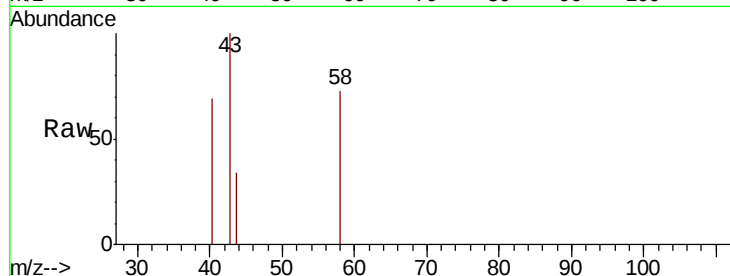
VD1123SBL01

Tot Ion: 43 Resp: 1001

Ion Ratio Lower Upper

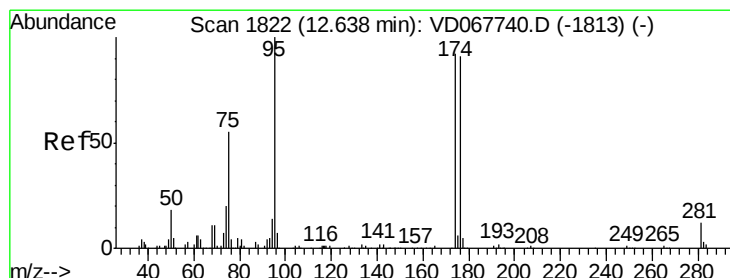
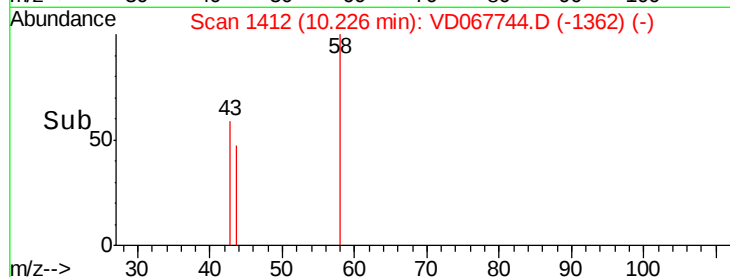
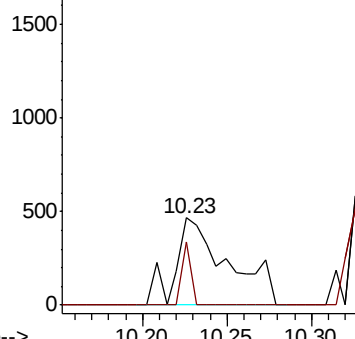
43 100

58 11.9 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.974 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

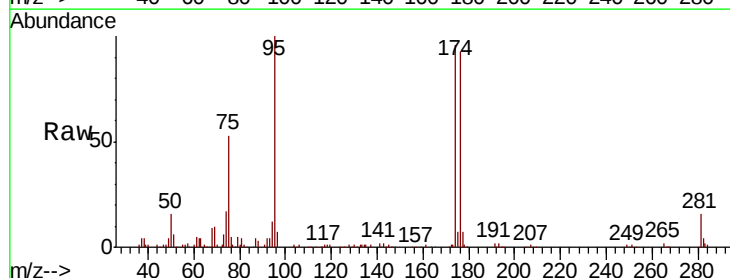
Tgt Ion: 95 Resp: 161740

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.4

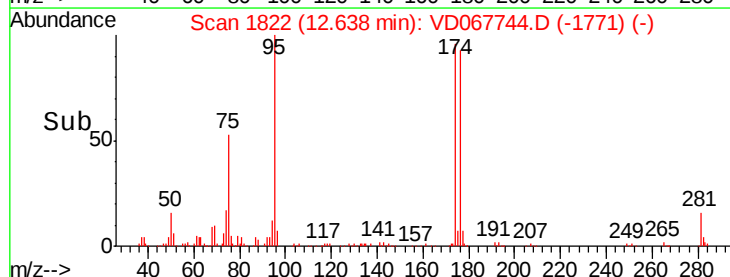
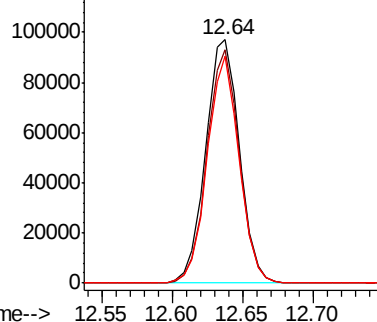
176 87.8 0.0 178.2

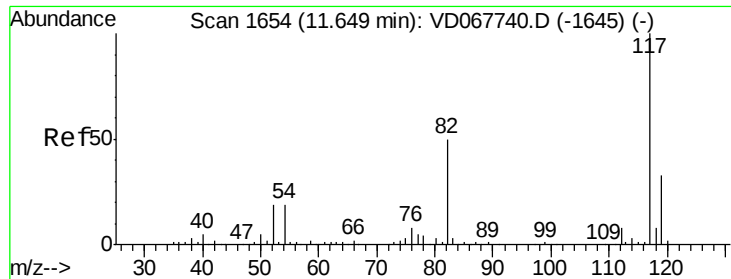


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

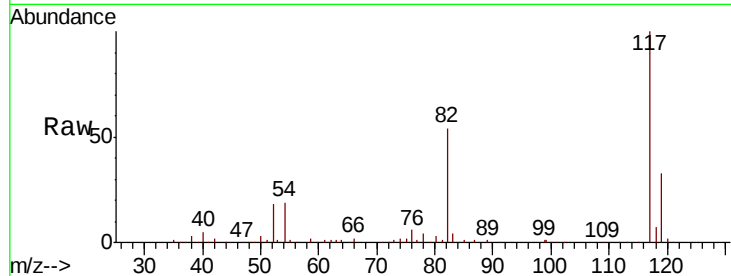




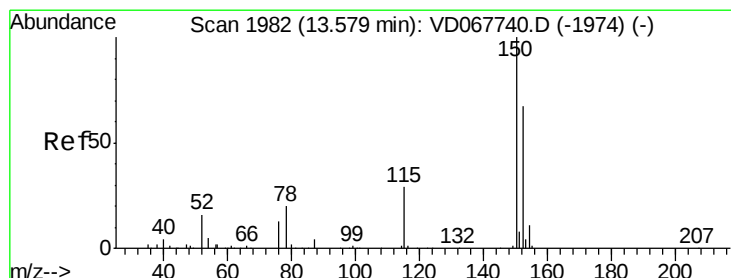
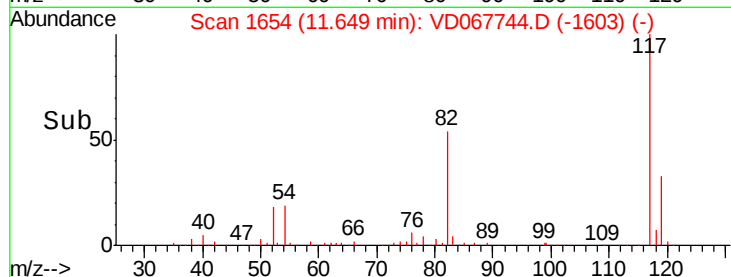
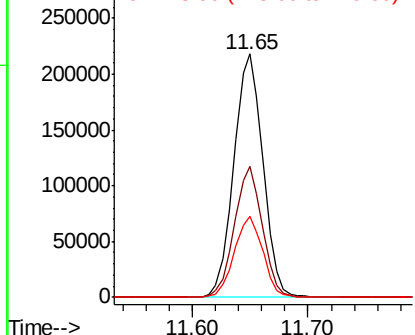
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067744.D
Acq: 23 Nov 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBL01

Tot Ion:117 Resp: 380105
Ion Ratio Lower Upper
117 100
82 53.7 40.2 60.4
119 33.3 26.5 39.7

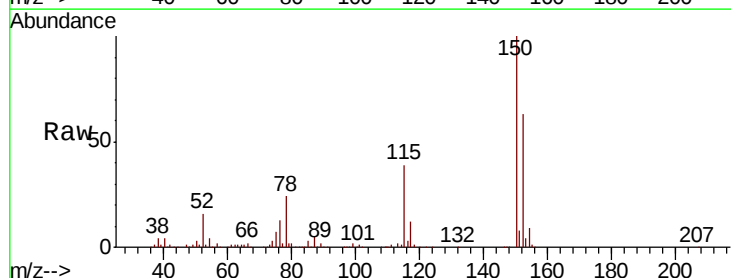


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

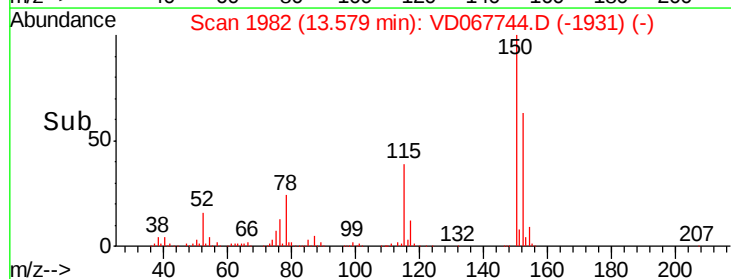
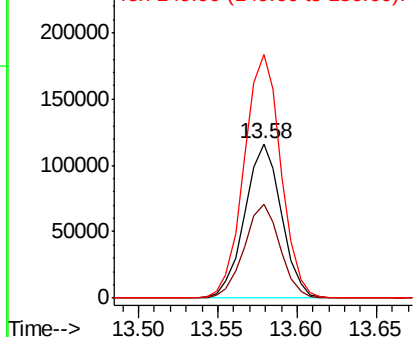


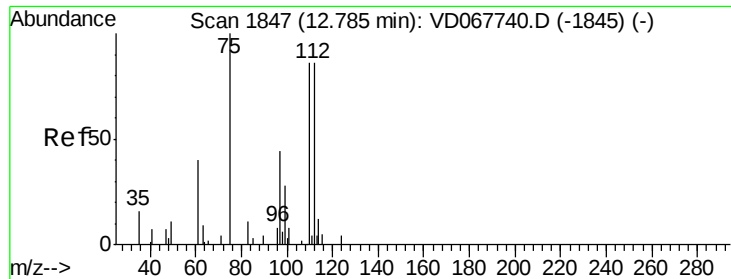
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067744.D
Acq: 23 Nov 2020 14:32

Tgt Ion:152 Resp: 186414
Ion Ratio Lower Upper
152 100
115 59.9 29.4 88.3
150 158.3 0.0 340.6



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: 66.413 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

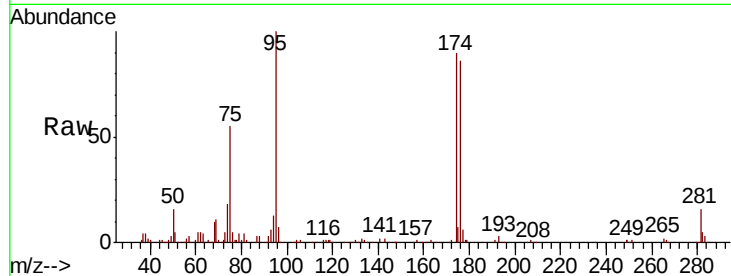
VD1123SBL01

Tot Ion: 75 Resp: 86285

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

60000

50000

40000

30000

20000

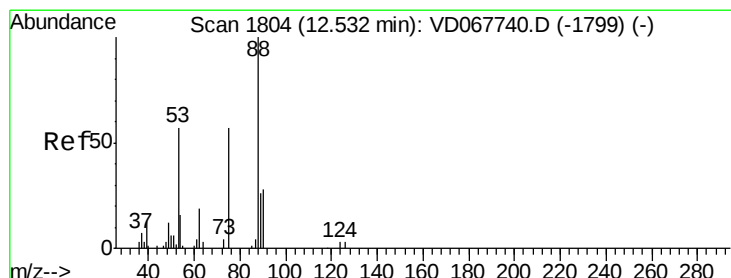
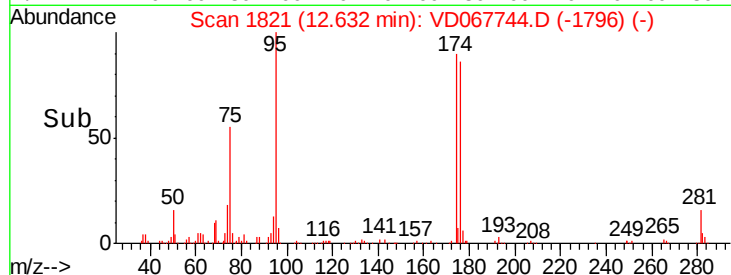
10000

0

12.55 12.60 12.65 12.70

12.63

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 155.335 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067744.D

Acq: 23 Nov 2020 14:32

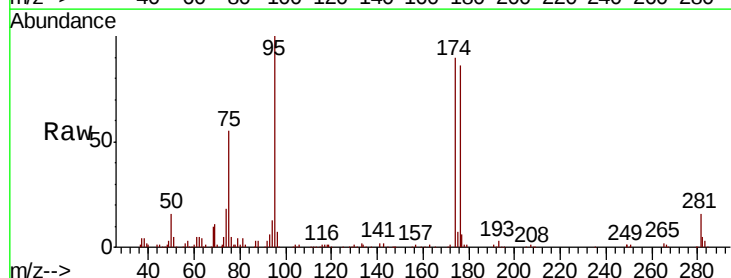
Tgt Ion: 75 Resp: 86285

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.1 40.2 60.4#



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

60000

50000

40000

30000

20000

10000

0

12.55 12.60 12.65 12.70

12.63

Time-->

