

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD113020\
 Data File : VD067805.D
 Acq On : 30 Nov 2020 10:38
 Operator : VA/SY
 Sample : VD1130SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1130SBL01

Quant Time: Nov 30 13:14:11 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	210790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	310075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	281487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	138559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	120519	58.80	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	117.60%		
35) Dibromofluoromethane	7.92	113	105460	53.44	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.88%		
50) Toluene-d8	10.34	98	382208	52.98	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.96%		
62) 4-Bromofluorobenzene	12.64	95	127587	51.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.48%		

Target Compounds

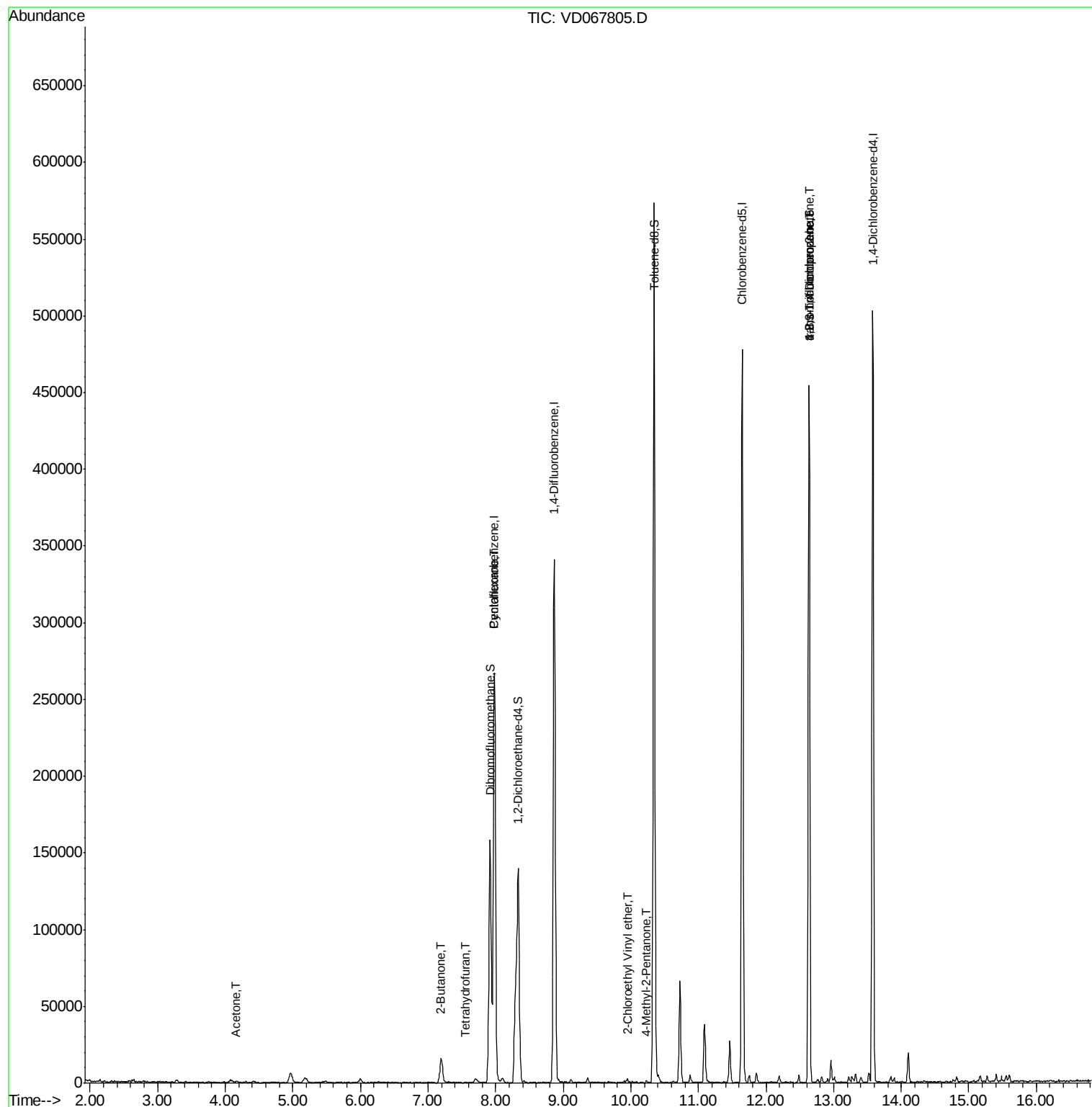
					Qvalue	
11) Tert butyl alcohol	5.17	59	1716	Below Cal	#	87
16) Acetone	4.16	43	1170	4.419 ug/l	#	40
20) Methylene Chloride	4.97	84	6150	Below Cal	#	75
25) 2-Butanone	7.18	43	639	2.151 ug/l	#	37
29) Tetrahydrofuran	7.56	42	225	1.332 ug/l	#	21
31) Cyclohexane	7.98	56	5100	2.057 ug/l	#	47
51) 4-Methyl-2-Pentanone	10.23	43	889	1.322 ug/l	#	58
58) 2-Chloroethyl Vinyl ether	9.95	63	1130	1.705 ug/l		97
76) 1,2,3-Trichloropropane	12.64	75	72870	75.459 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.64	75	72870	176.493 ug/l	#	11

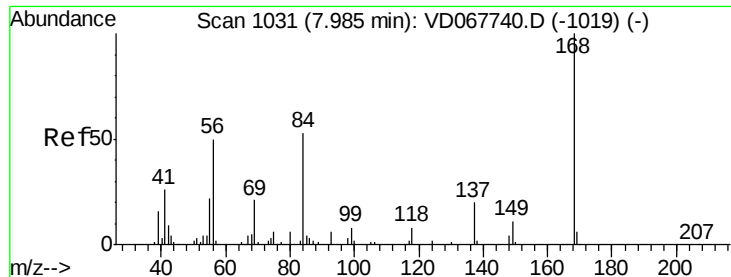
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD113020\
Data File : VD067805.D
Acq On : 30 Nov 2020 10:38
Operator : VA/SY
Sample : VD1130SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1130SBL01

Quant Time: Nov 30 13:14:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 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: VD067805.D

Acq: 30 Nov 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

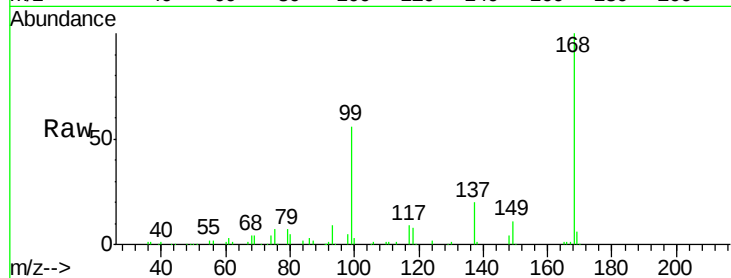
VD1130SBL01

Tgt Ion:168 Resp: 210790

Ion Ratio Lower Upper

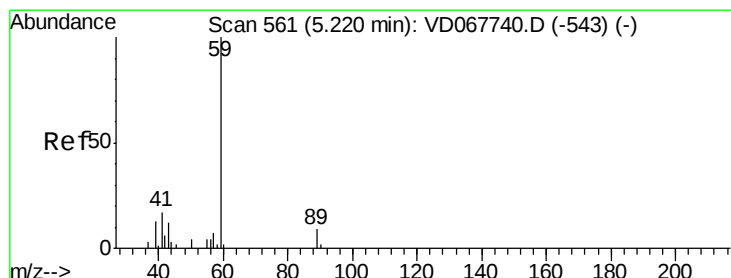
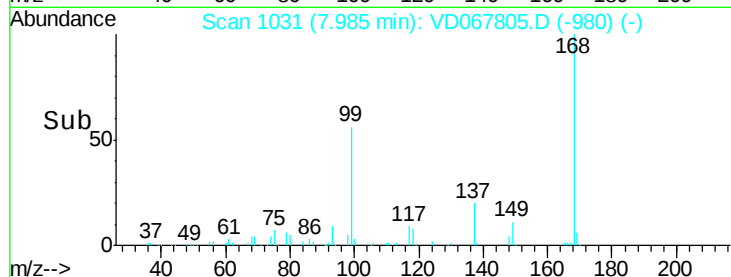
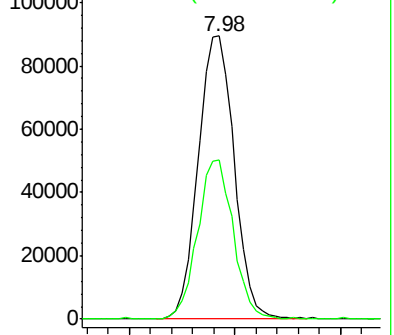
168 100

99 56.1 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: 5.17 min Scan# 553

Delta R.T. -0.05 min

Lab File: VD067805.D

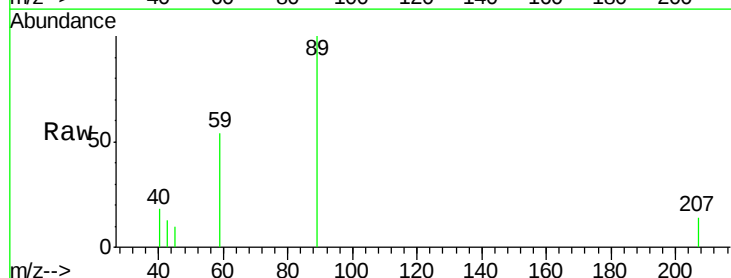
Acq: 30 Nov 2020 10:38

Tgt Ion: 59 Resp: 1716

Ion Ratio Lower Upper

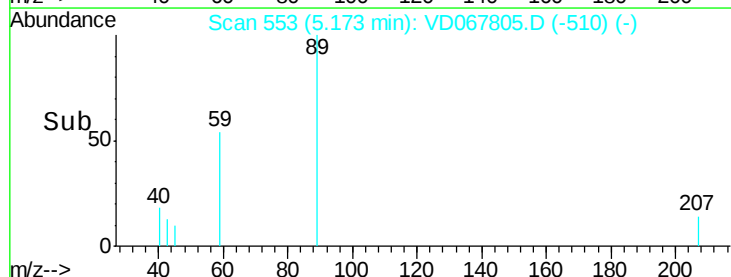
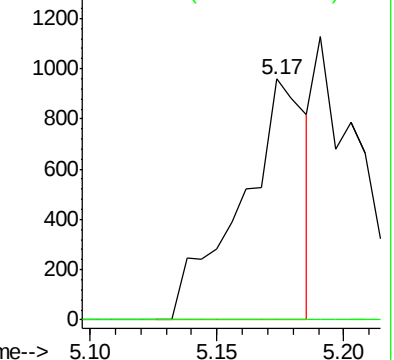
59 100

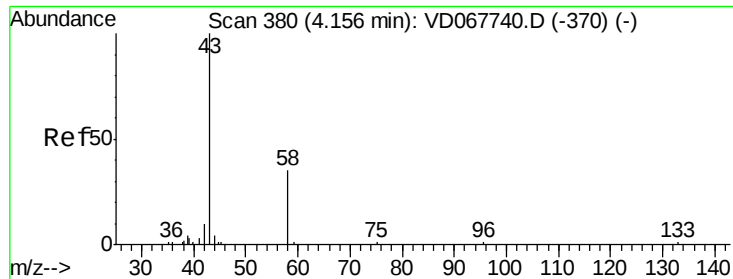
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.419 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067805.D

Acq: 30 Nov 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

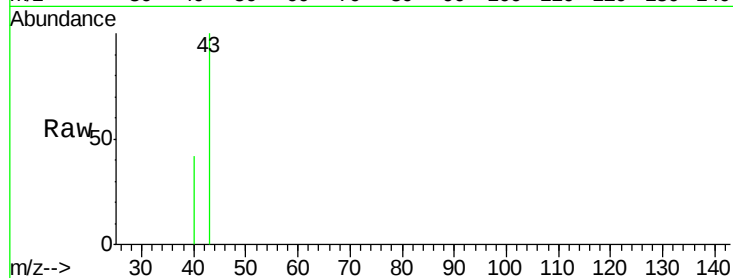
VD1130SBL01

Tgt Ion: 43 Resp: 1170

Ion Ratio Lower Upper

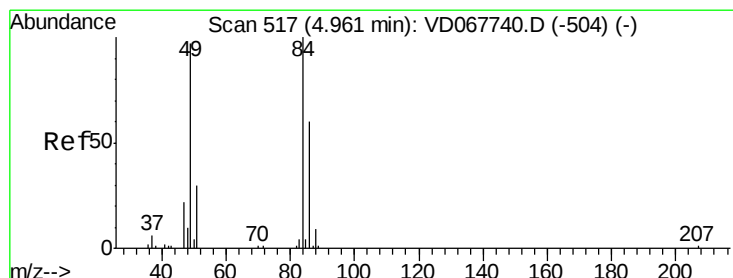
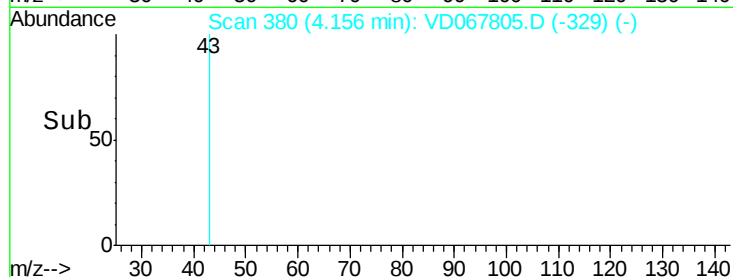
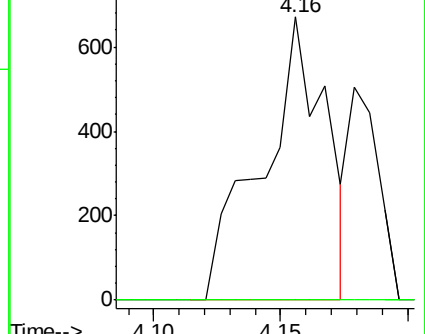
43 100

58 0.0 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: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067805.D

Acq: 30 Nov 2020 10:38

Tgt Ion: 84 Resp: 6150

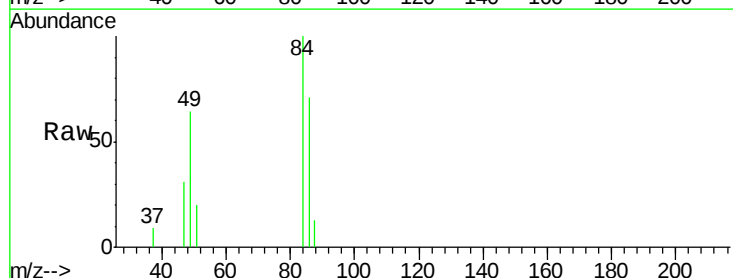
Ion Ratio Lower Upper

84 100

49 63.6 77.4 116.2#

51 19.5 24.1 36.1#

86 70.7 48.2 72.2

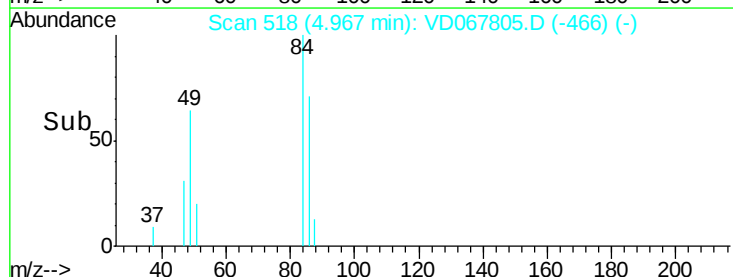
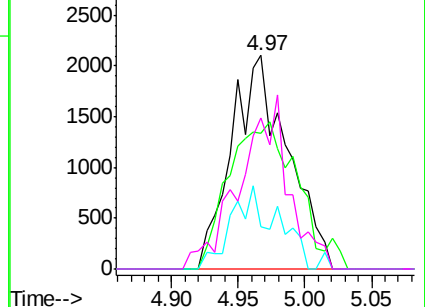


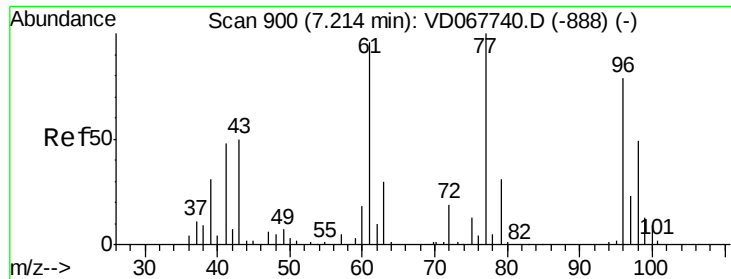
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.151 ug/l

RT: 7.18 min Scan# 895

Delta R.T. -0.03 min

Lab File: VD067805.D

Acq: 30 Nov 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

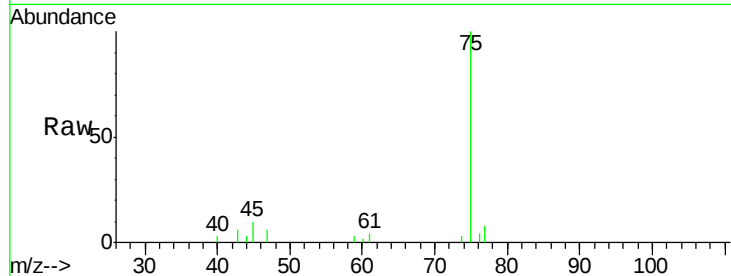
VD1130SBL01

Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

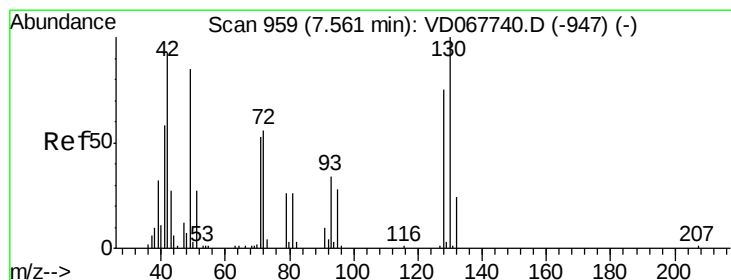
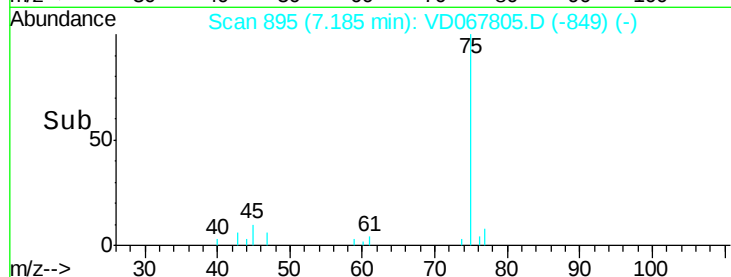
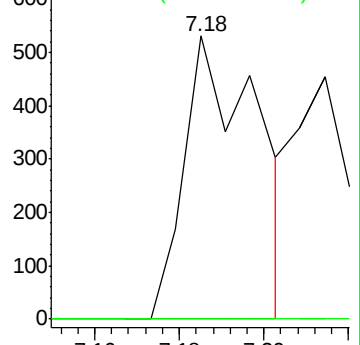
43 100

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



#29

Tetrahydrofuran

Concen: 1.332 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067805.D

Acq: 30 Nov 2020 10:38

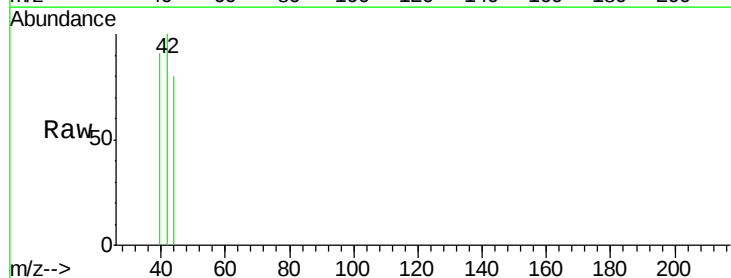
Tgt Ion: 42 Resp: 225

Ion Ratio Lower Upper

42 100

72 0.0 49.3 73.9#

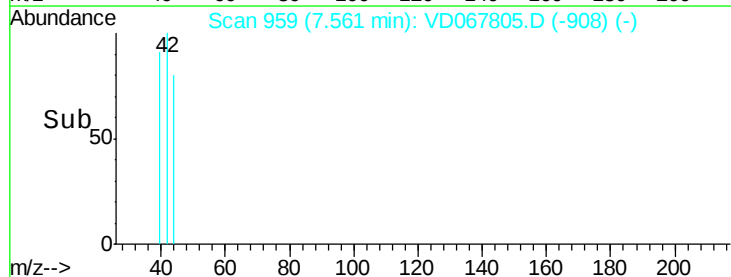
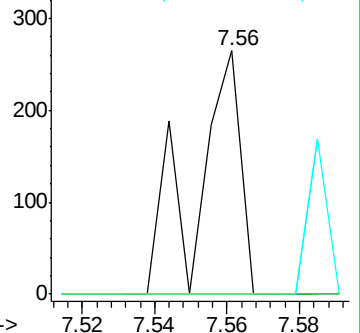
71 0.0 45.9 68.9#

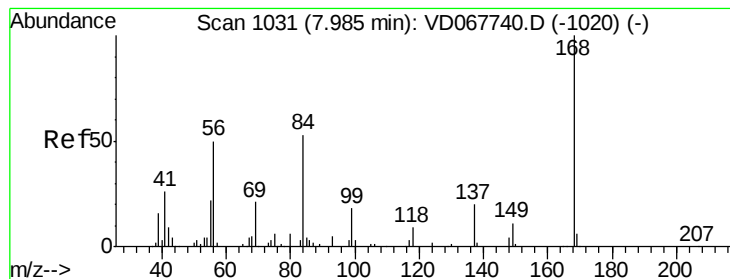


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 2.057 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067805.D

Acq: 30 Nov 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VD1130SBL01

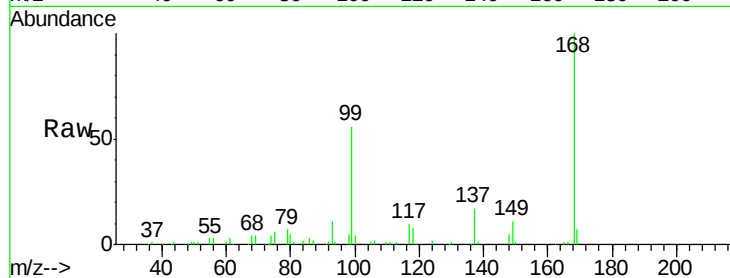
Tgt Ion: 56 Resp: 5100

Ion Ratio Lower Upper

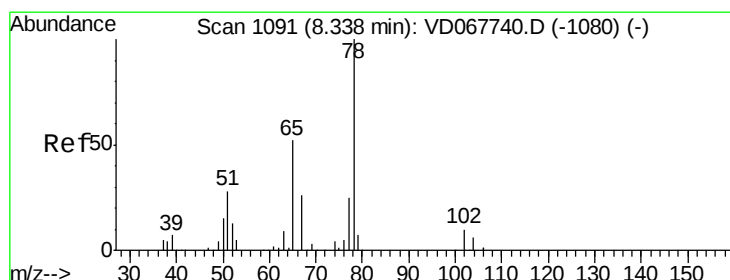
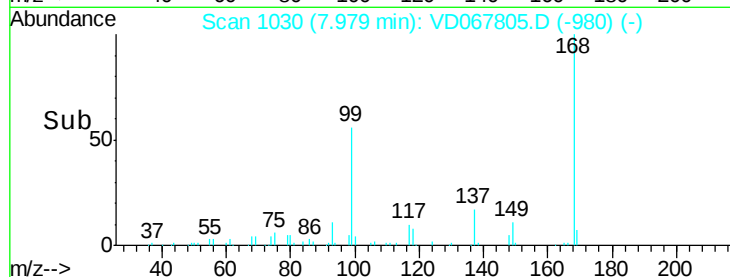
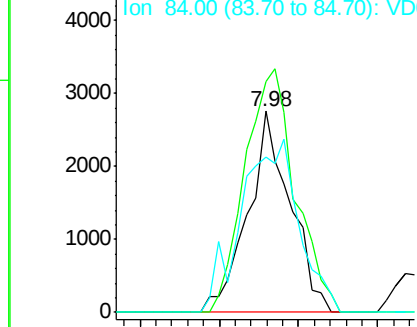
56 100

69 114.6 33.2 49.8#

84 77.2 84.8 127.2#



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: 58.803 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067805.D

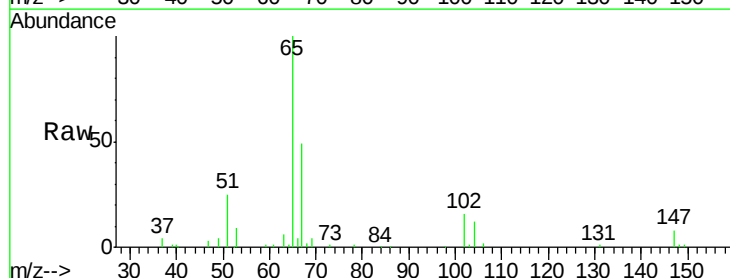
Acq: 30 Nov 2020 10:38

Tgt Ion: 65 Resp: 120519

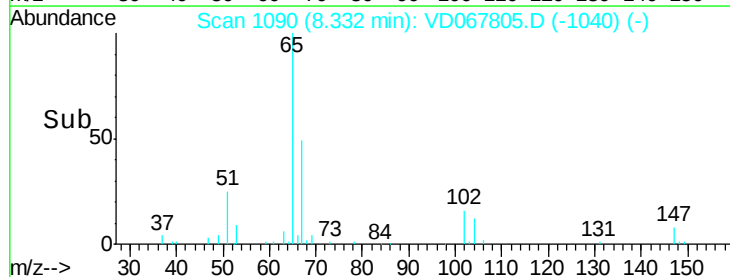
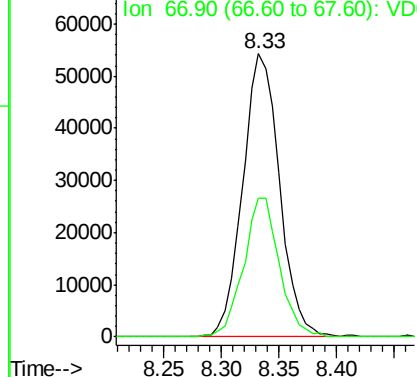
Ion Ratio Lower Upper

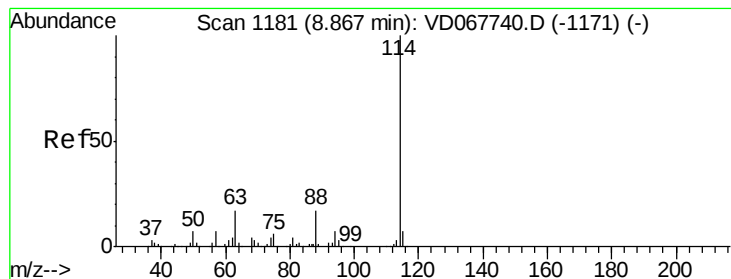
65 100

67 47.9 0.0 101.0



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: VD067805.D

Acq: 30 Nov 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VD1130SBL01

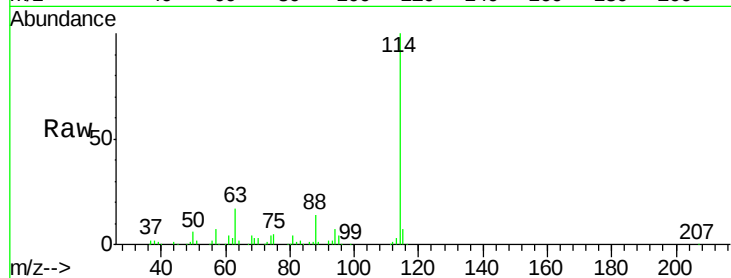
Tgt Ion:114 Resp: 310075

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.8

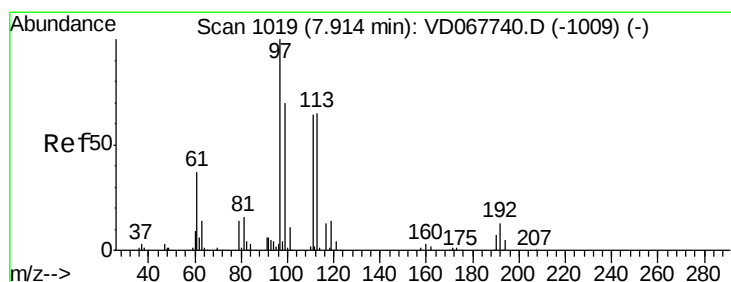
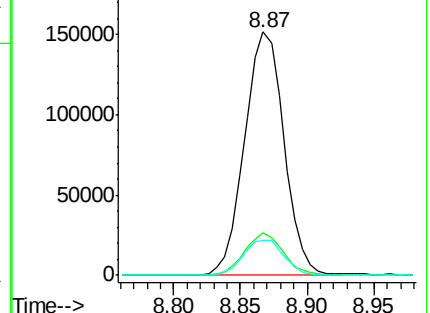
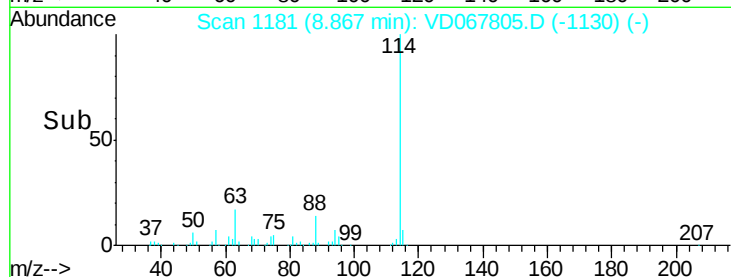
88 14.2 0.0 34.4



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: 53.443 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067805.D

Acq: 30 Nov 2020 10:38

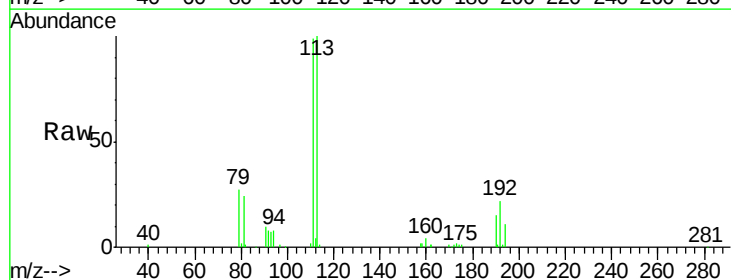
Tgt Ion:113 Resp: 105460

Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.0

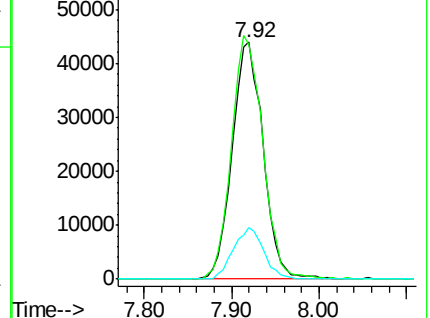
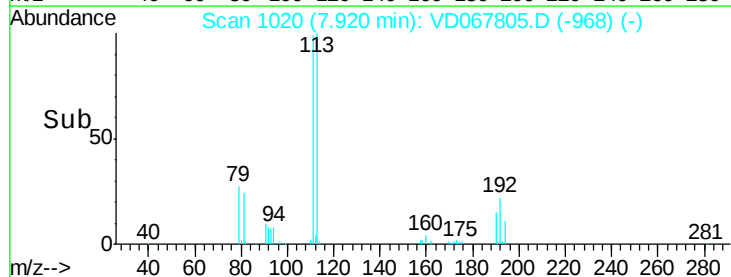
192 21.2 17.0 25.4

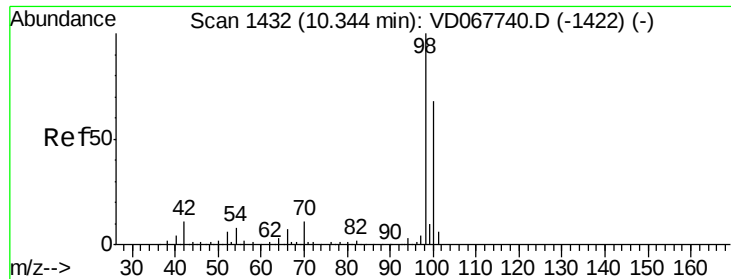


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.977 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067805.D

Acq: 30 Nov 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

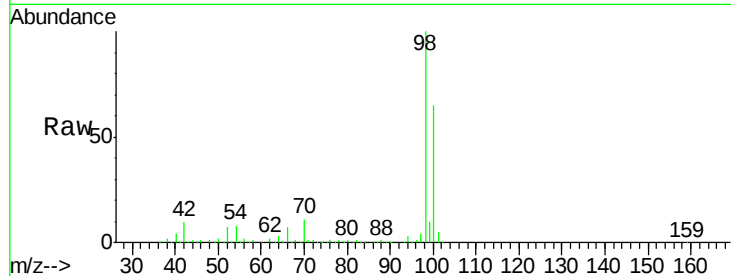
VD1130SBL01

Tgt Ion: 98 Resp: 382208

Ion Ratio Lower Upper

98 100

100 65.9 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

200000

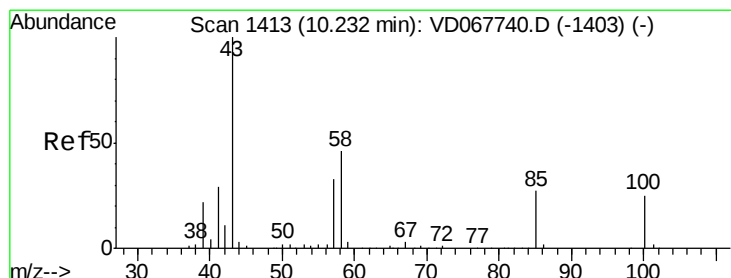
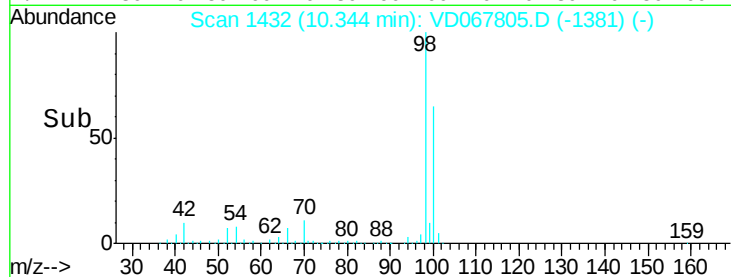
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.322 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067805.D

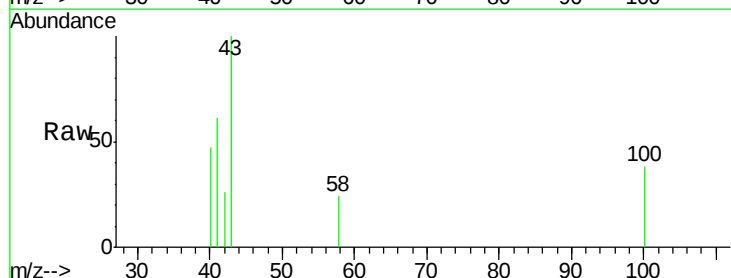
Acq: 30 Nov 2020 10:38

Tgt Ion: 43 Resp: 889

Ion Ratio Lower Upper

43 100

58 16.2 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

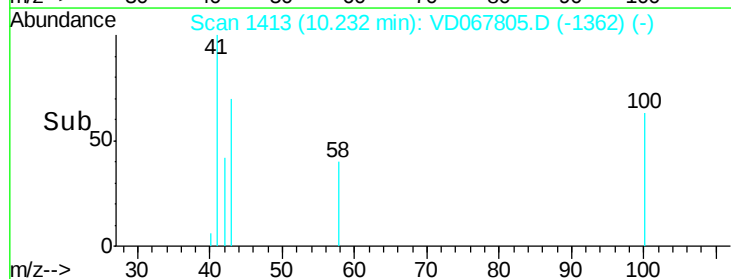
600

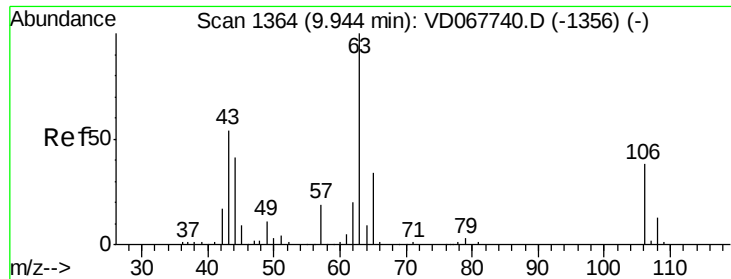
400

200

0

Time-->

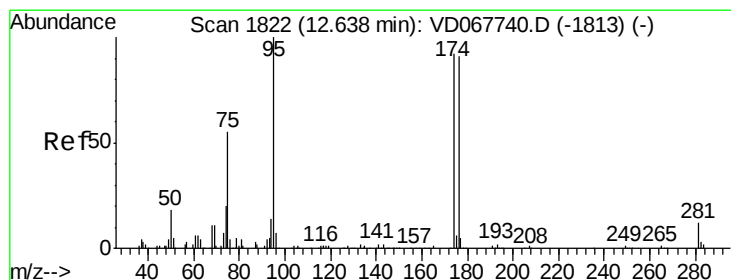
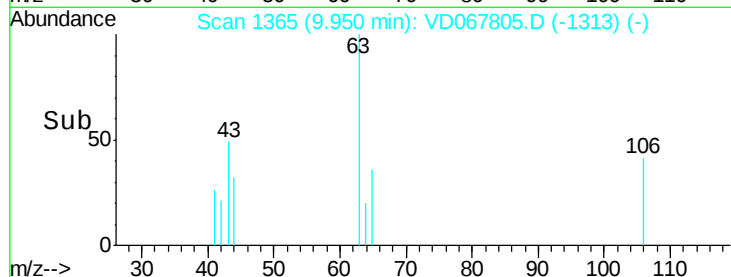
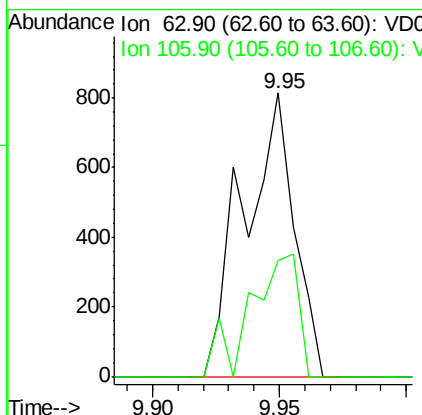
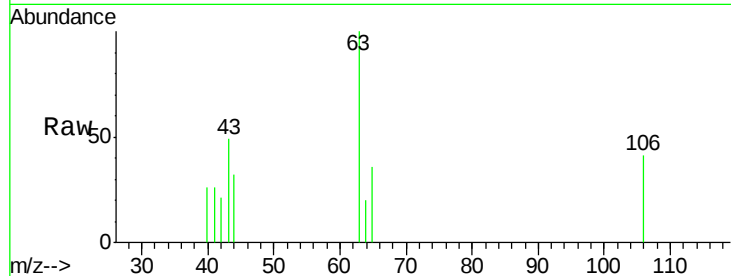




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.705 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067805.D
 Acq: 30 Nov 2020 10:38

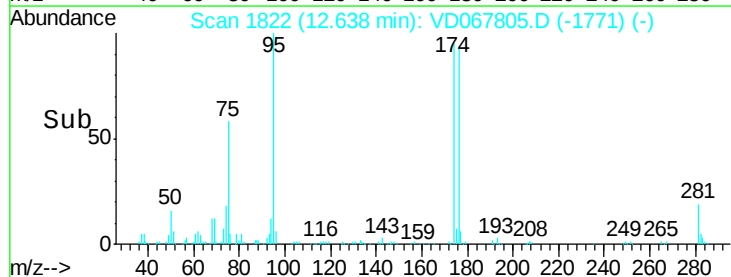
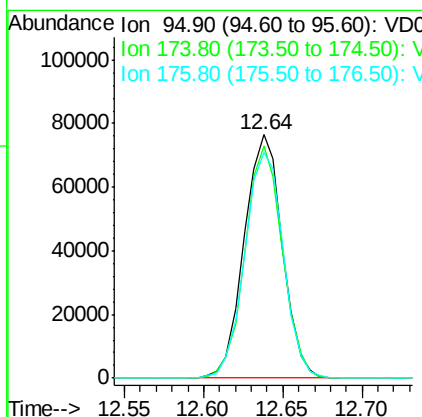
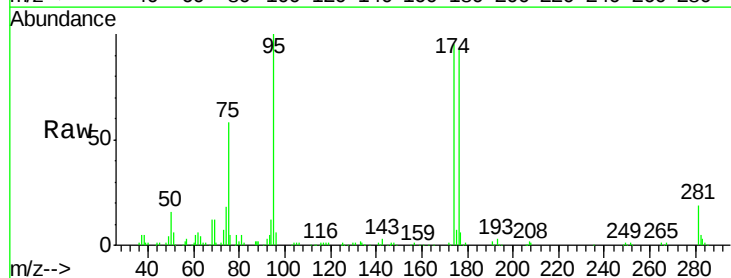
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1130SBL01

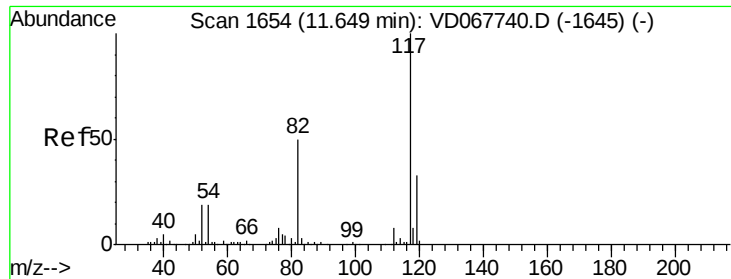
Tgt Ion: 63 Resp: 1130
 Ion Ratio Lower Upper
 63 100
 106 40.9 31.0 46.6



#62
 4-Bromofluorobenzene
 Concen: 51.739 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067805.D
 Acq: 30 Nov 2020 10:38

Tgt Ion: 95 Resp: 127587
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 182.4
 176 93.6 0.0 178.2

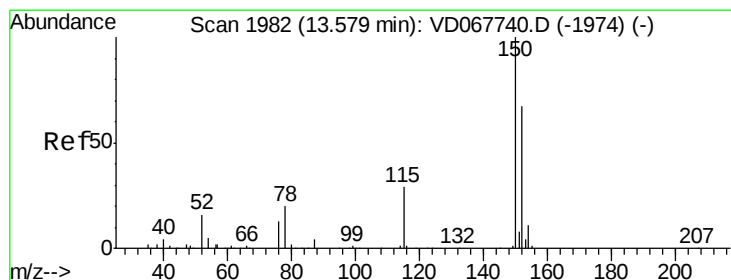
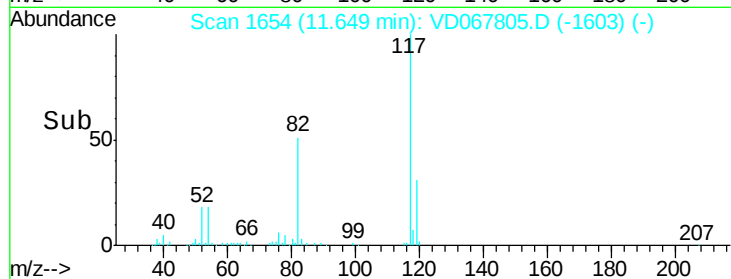
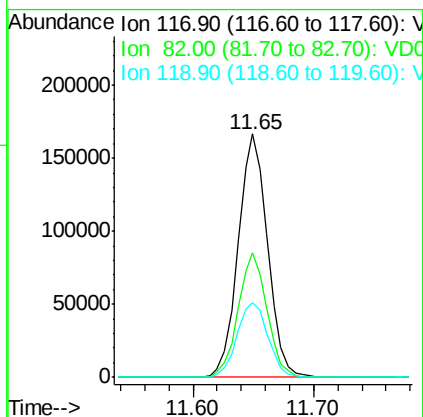
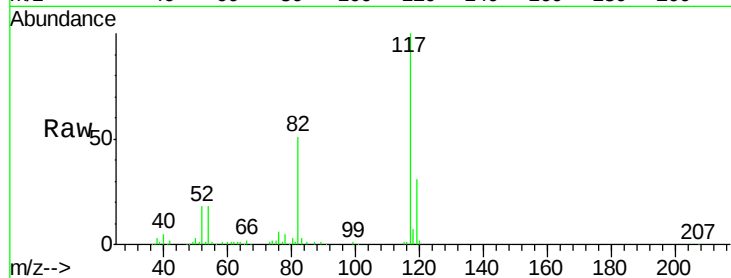




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067805.D
Acq: 30 Nov 2020 10:38

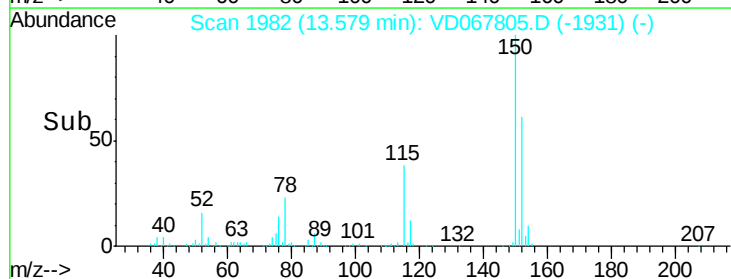
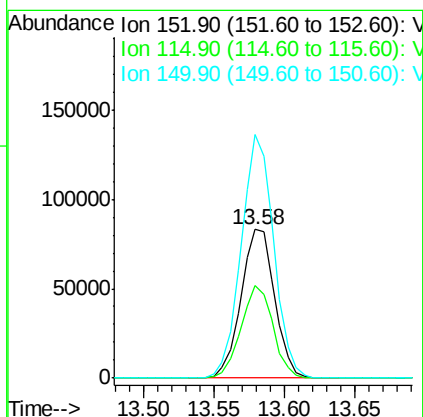
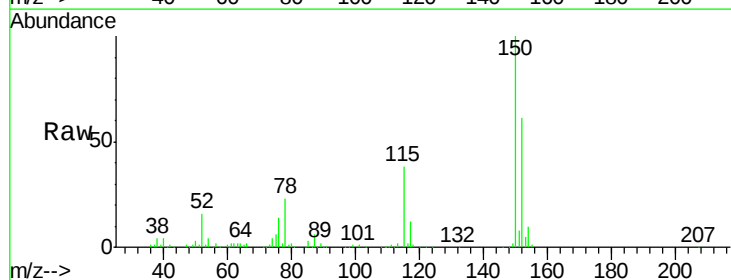
Instrument :
MSVOA_D
ClientSampleId :
VD1130SBL01

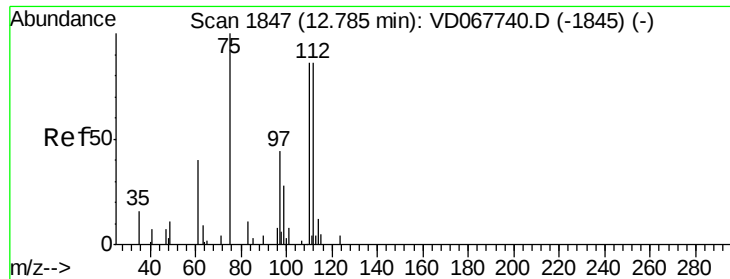
Tgt Ion:117 Resp: 281487
Ion Ratio Lower Upper
117 100
82 51.2 40.2 60.4
119 30.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067805.D
Acq: 30 Nov 2020 10:38

Tgt Ion:152 Resp: 138559
Ion Ratio Lower Upper
152 100
115 59.6 29.4 88.3
150 158.2 0.0 340.6

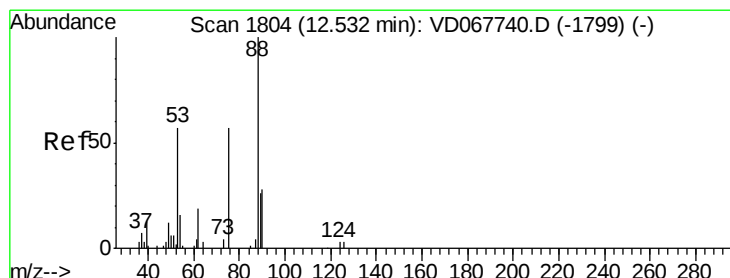
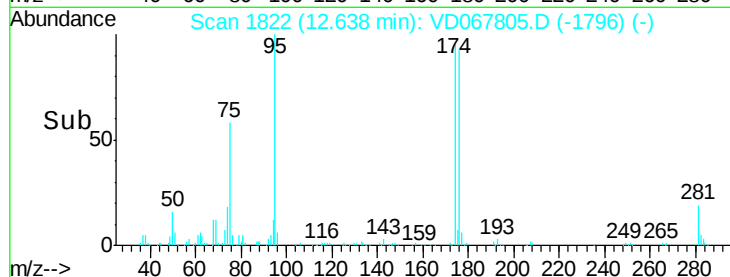
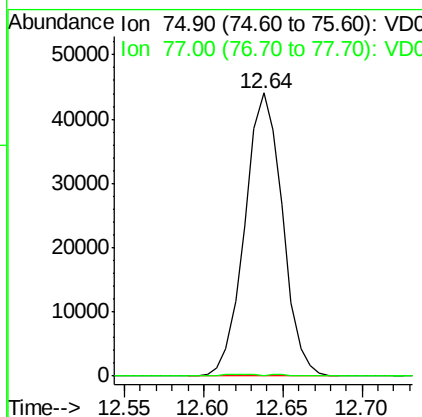
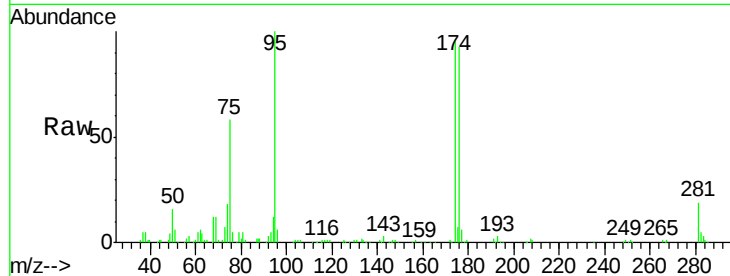




#76
 1,2,3-Trichloropropane
 Concen: 75.459 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067805.D
 Acq: 30 Nov 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1130SBL01

Tgt Ion: 75 Resp: 72870
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 176.493 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067805.D
 Acq: 30 Nov 2020 10:38

Tgt Ion: 75 Resp: 72870
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.0 114.0#
 89 0.1 40.2 60.4#

