

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067905.D
 Acq On : 08 Dec 2020 10:24
 Operator : VA/SY
 Sample : VD1208SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBL01

Quant Time: Dec 09 04:26:01 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	248751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	353418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	305706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	114561	42.90	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.80%
35) Dibromofluoromethane	7.92	113	100325	42.42	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.84%
50) Toluene-d8	10.34	98	387589	45.53	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.06%
62) 4-Bromofluorobenzene	12.64	95	127927	43.46	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.92%

Target Compounds

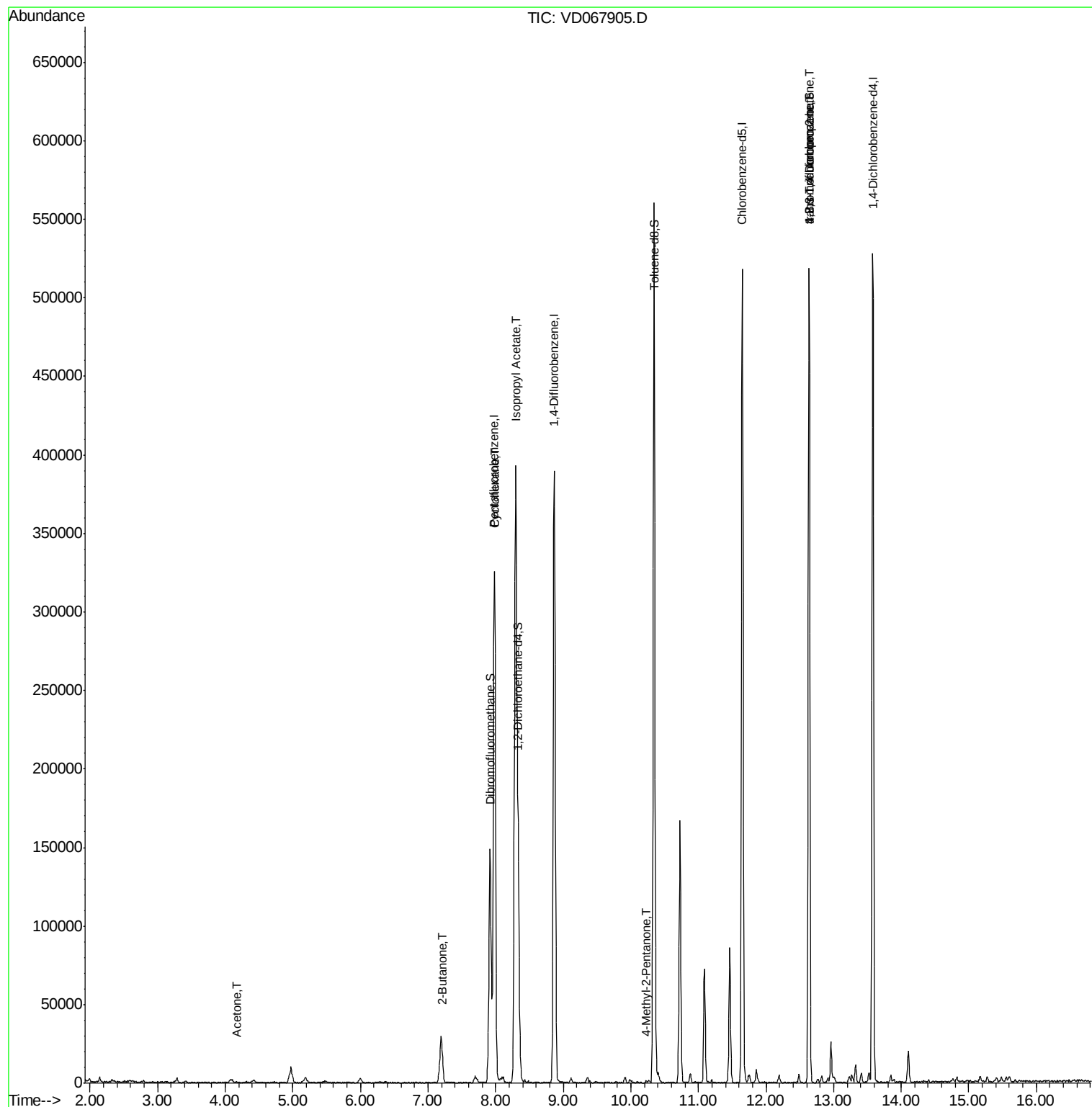
					Qvalue	
11) Tert butyl alcohol	5.19	59	3620	Below Cal	#	74
16) Acetone	4.17	43	572	1.733	ug/l #	47
18) Methyl Acetate	4.96	43	66	Below Cal	#	41
20) Methylene Chloride	4.97	84	8363	Below Cal	#	81
25) 2-Butanone	7.21	43	497	1.432	ug/l #	36
31) Cyclohexane	7.99	56	5963	2.119	ug/l #	67
43) Isopropyl Acetate	8.30	43	7256	4.472	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	1017	1.324	ug/l	89
76) 1,2,3-Trichloropropane	12.64	75	71861	66.001	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	71861	157.881	ug/l #	7

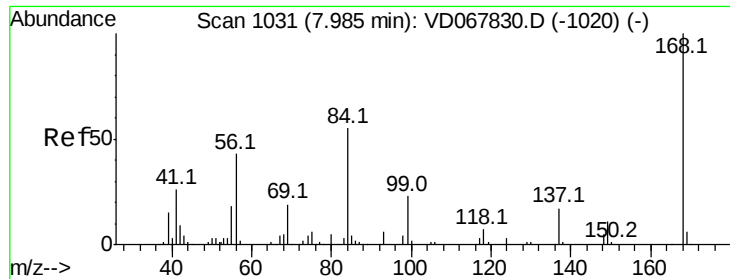
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120820\
Data File : VD067905.D
Acq On : 08 Dec 2020 10:24
Operator : VA/SY
Sample : VD1208SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBL01

Quant Time: Dec 09 04:26:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
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: VD067905.D

Acq: 08 Dec 2020 10:24

Instrument :

MSVOA_D

ClientSampleId :

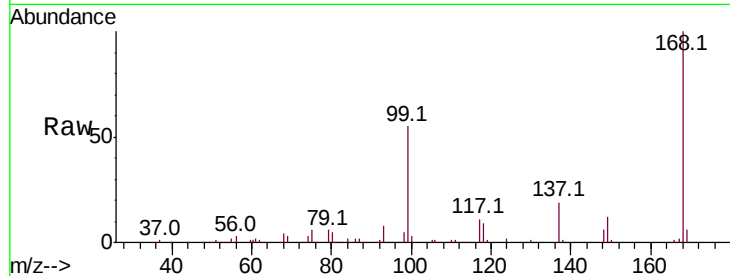
VD1208SBL01

Tot Ion:168 Resp: 248751

Ion Ratio Lower Upper

168 100

99 54.8 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

120000

100000

80000

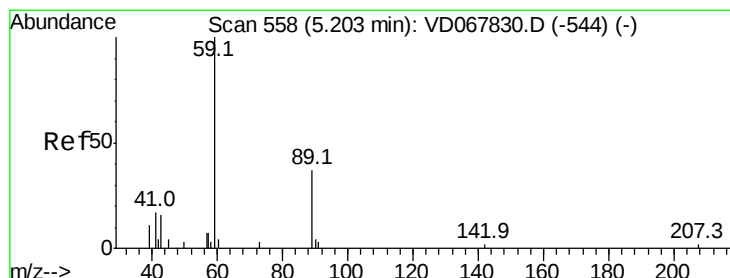
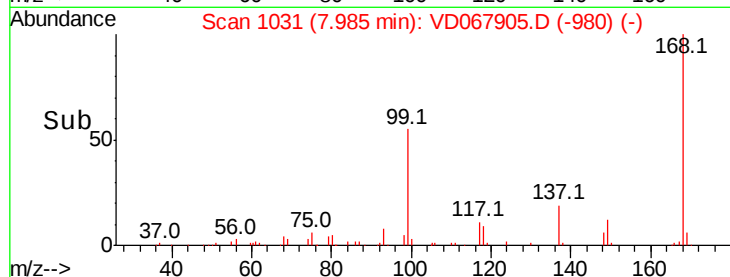
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.02 min

Lab File: VD067905.D

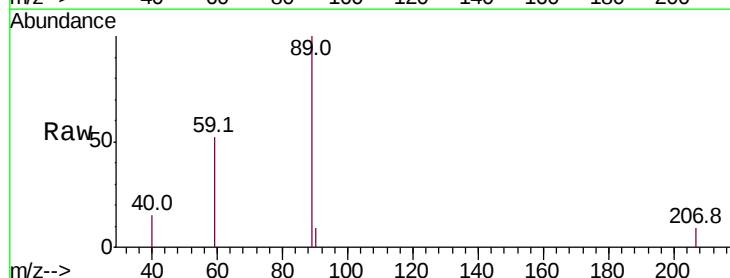
Acq: 08 Dec 2020 10:24

Tgt Ion: 59 Resp: 3620

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

1200

1000

800

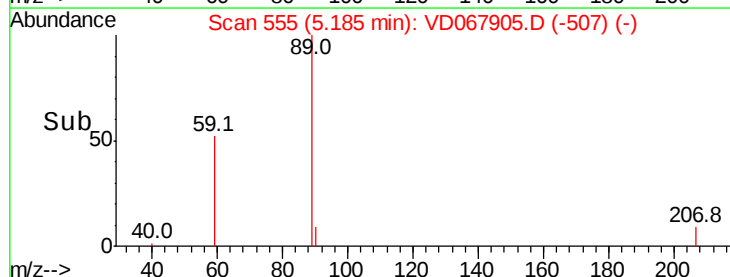
600

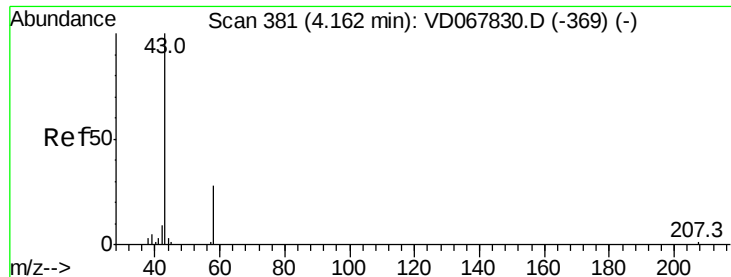
400

200

0

Time-->





#16

Acetone

Concen: 1.733 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067905.D

Acq: 08 Dec 2020 10:24

Instrument :

MSVOA_D

ClientSampleId :

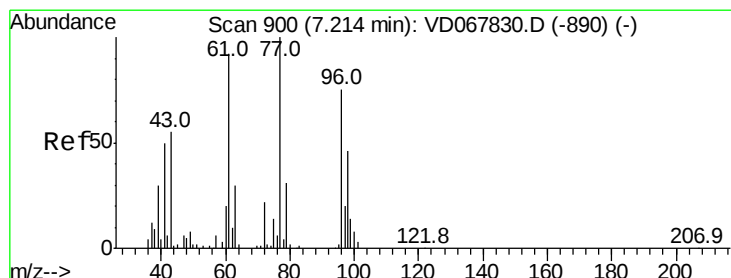
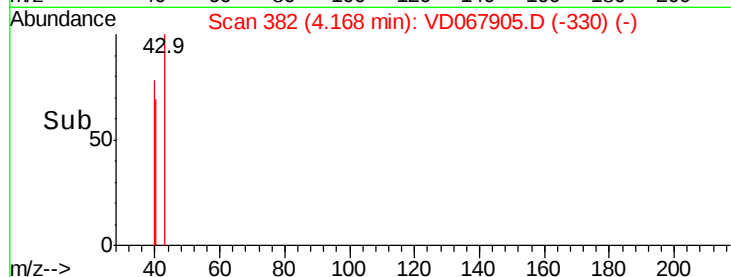
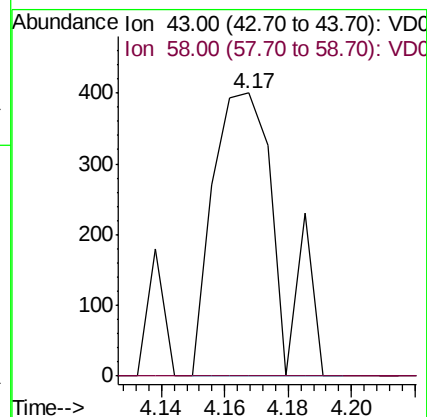
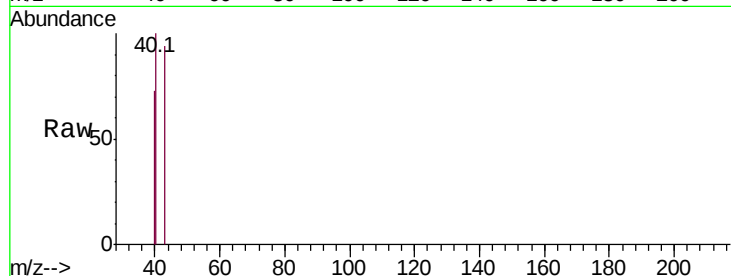
VD1208SBL01

Tot Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#25

2-Butanone

Concen: 1.432 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067905.D

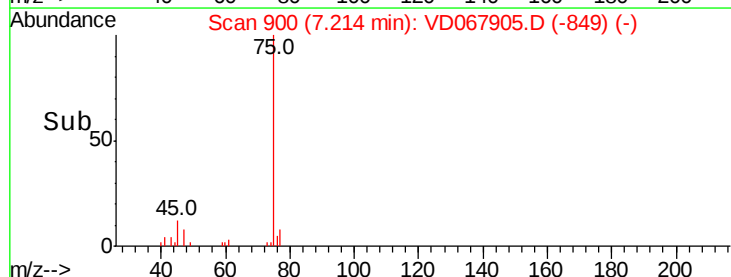
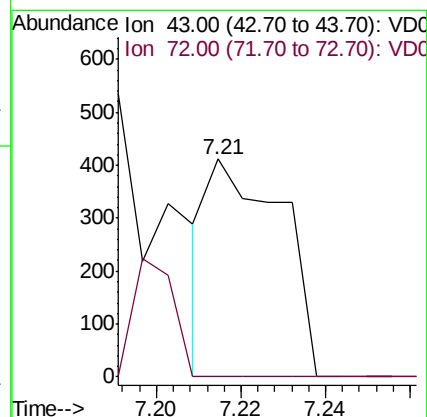
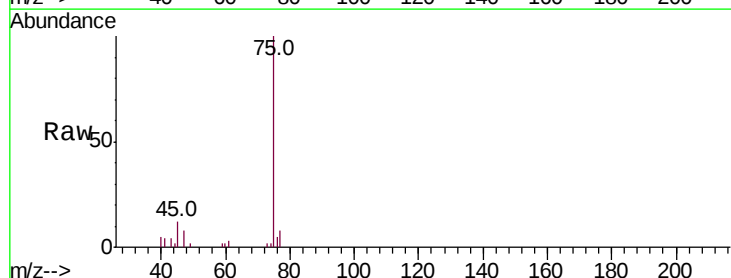
Acq: 08 Dec 2020 10:24

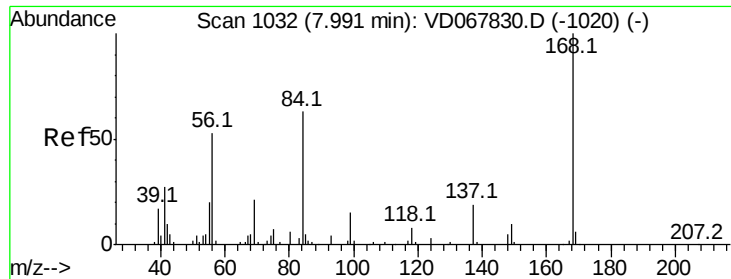
Tgt Ion: 43 Resp: 497

Ion Ratio Lower Upper

43 100

72 0.0 31.3 46.9#

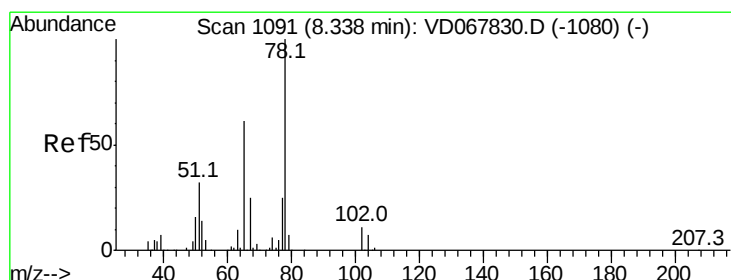
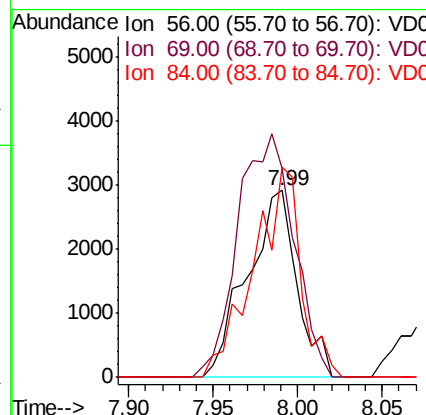
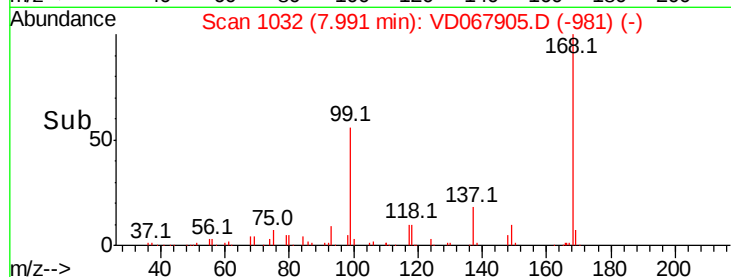
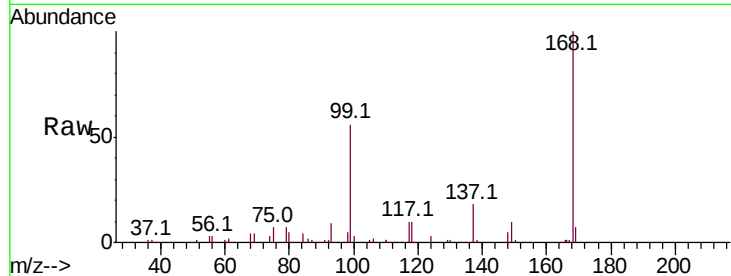




#31
Cyclohexane
Concen: 2.119 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067905.D
Acq: 08 Dec 2020 10:24

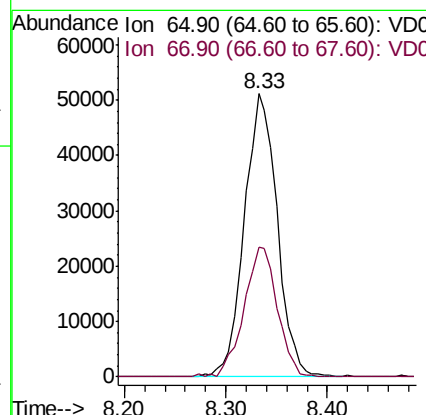
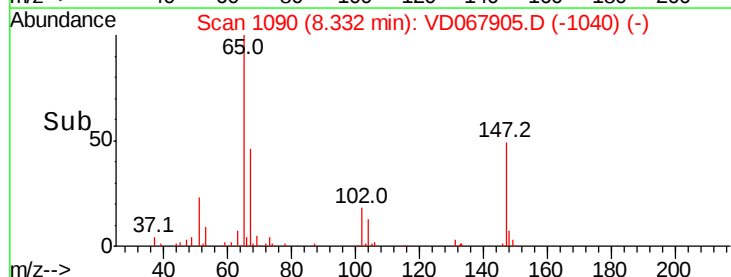
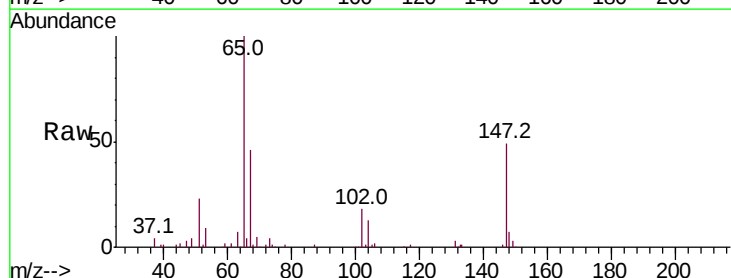
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBL01

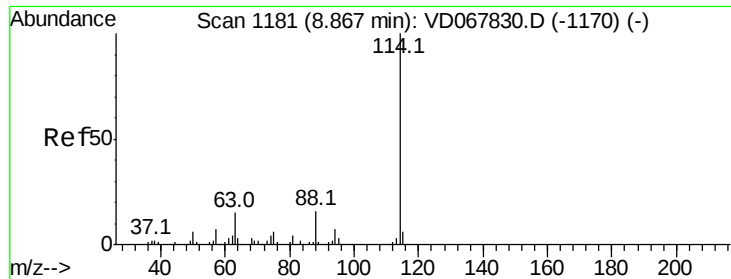
Tot Ion: 56 Resp: 5963
Ion Ratio Lower Upper
56 100
69 112.0 32.1 48.1#
84 112.1 93.2 139.8



#33
1,2-Dichloroethane-d4
Concen: 42.900 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067905.D
Acq: 08 Dec 2020 10:24

Tgt Ion: 65 Resp: 114561
Ion Ratio Lower Upper
65 100
67 46.7 0.0 92.0

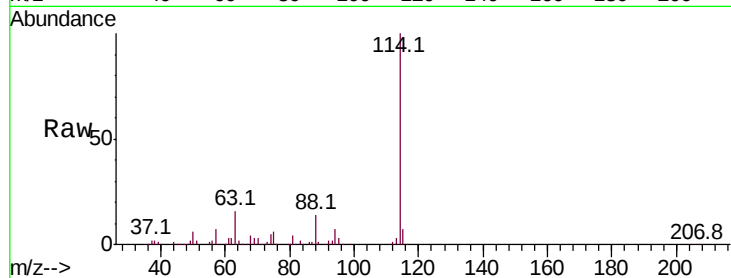




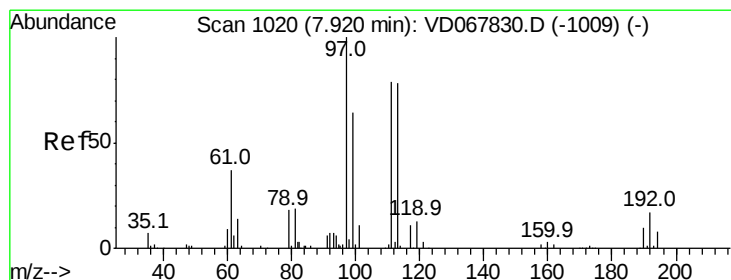
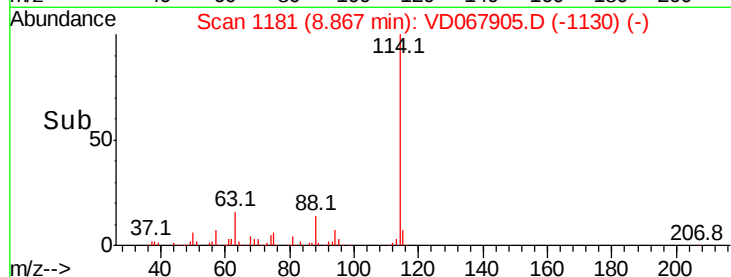
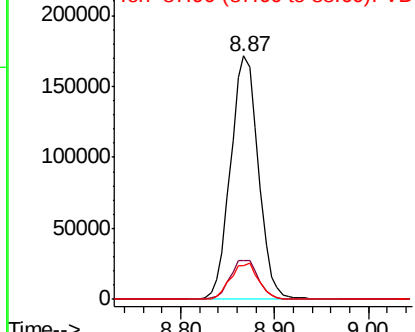
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067905.D
Acq: 08 Dec 2020 10:24

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBL01

Tot Ion:114 Resp: 353418
Ion Ratio Lower Upper
114 100
63 16.0 0.0 30.8
88 14.0 0.0 31.8

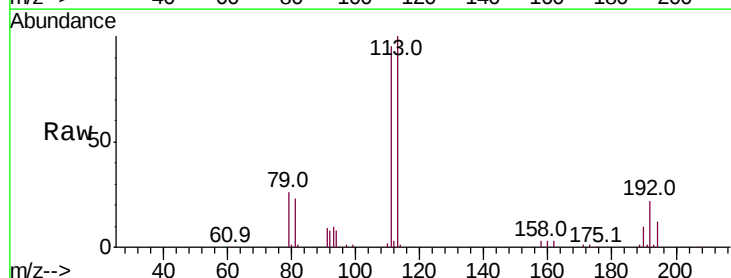


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

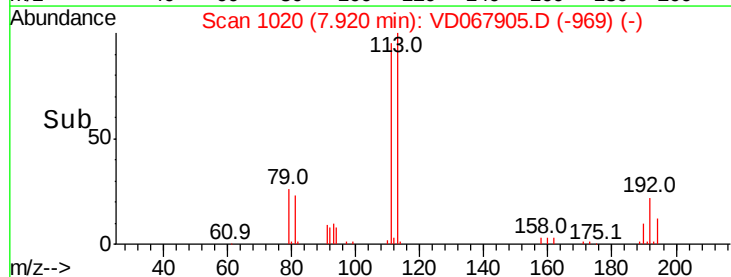
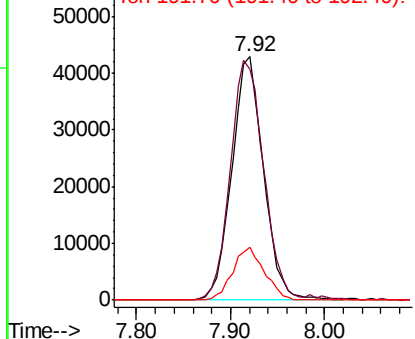


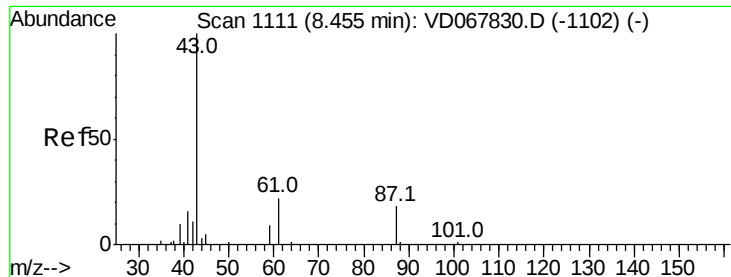
#35
Dibromofluoromethane
Concen: 42.423 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067905.D
Acq: 08 Dec 2020 10:24

Tgt Ion:113 Resp: 100325
Ion Ratio Lower Upper
113 100
111 103.3 81.2 121.8
192 21.6 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





#43

Isopropyl Acetate

Concen: 4.472 ug/l

RT: 8.30 min Scan# 1084

Delta R.T. -0.16 min

Lab File: VD067905.D

Acq: 08 Dec 2020 10:24

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBL01

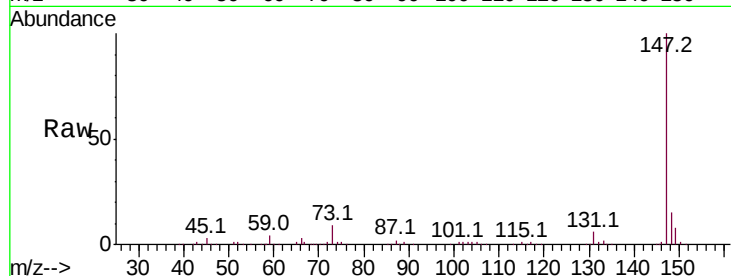
Tot Ion: 43 Resp: 7256

Ion Ratio Lower Upper

43 100

61 14.5 30.4 45.6#

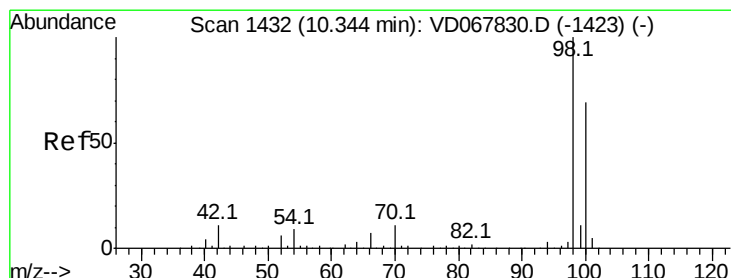
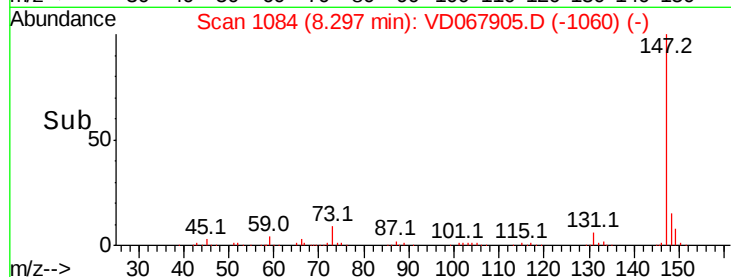
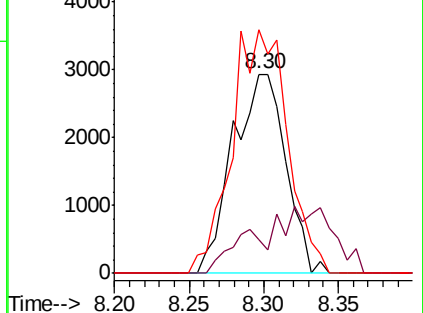
87 128.2 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 45.528 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067905.D

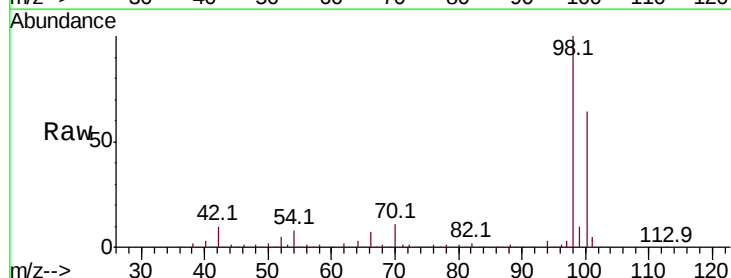
Acq: 08 Dec 2020 10:24

Tgt Ion: 98 Resp: 387589

Ion Ratio Lower Upper

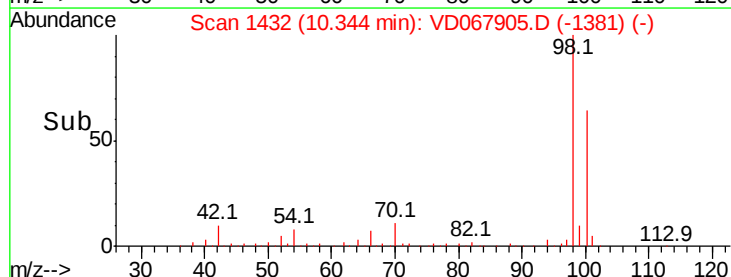
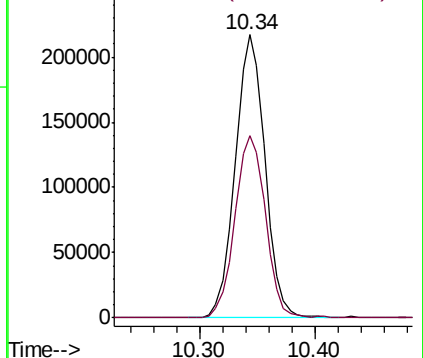
98 100

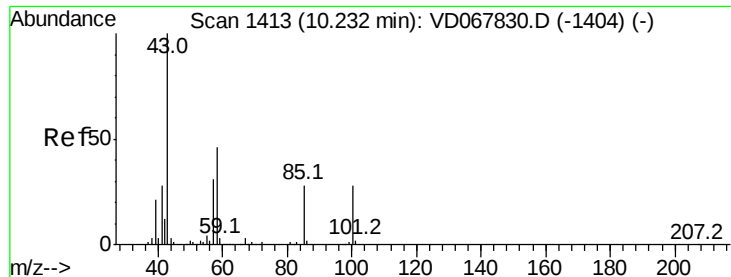
100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.324 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD067905.D

Acq: 08 Dec 2020 10:24

Instrument :

MSVOA_D

ClientSampleId :

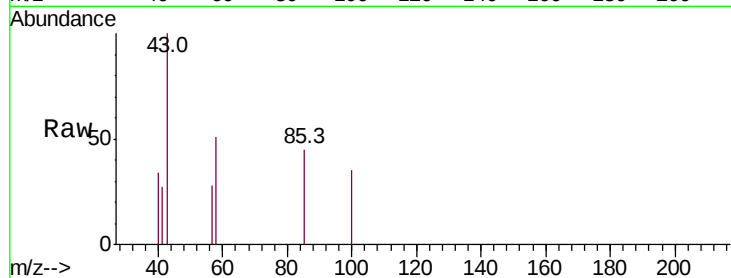
VD1208SBL01

Tot Ion: 43 Resp: 1017

Ion Ratio Lower Upper

43 100

58 37.3 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

600

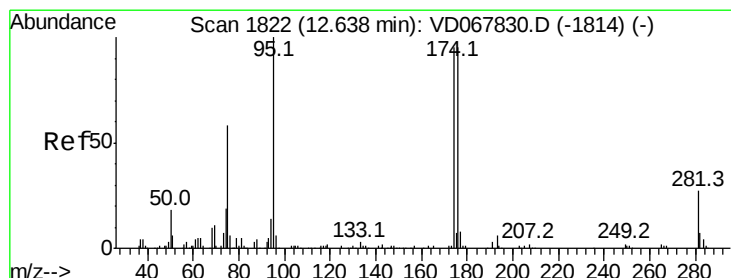
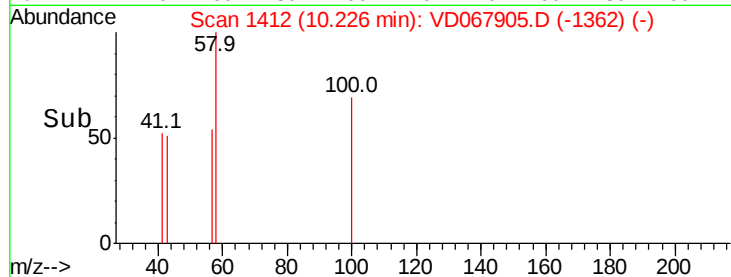
10.23

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.465 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067905.D

Acq: 08 Dec 2020 10:24

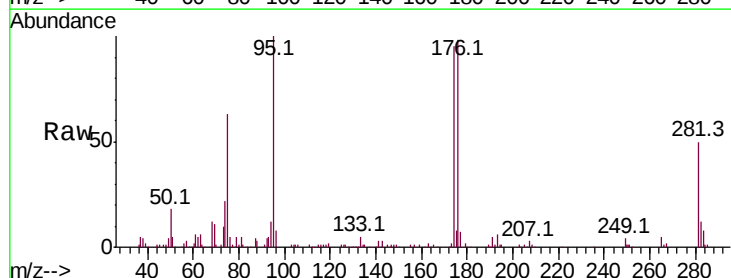
Tgt Ion: 95 Resp: 127927

Ion Ratio Lower Upper

95 100

174 93.1 0.0 186.0

176 92.6 0.0 184.2



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

100000

80000

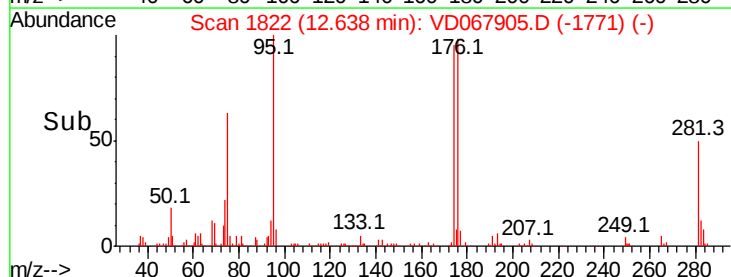
60000

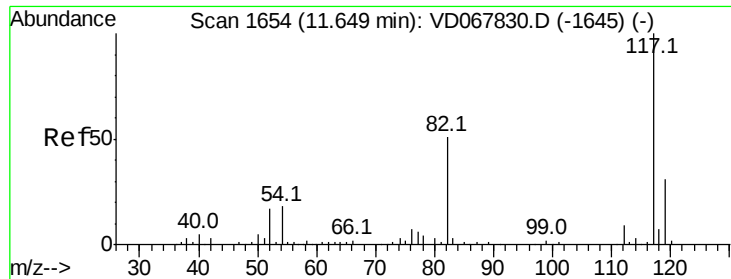
40000

20000

0

Time-->

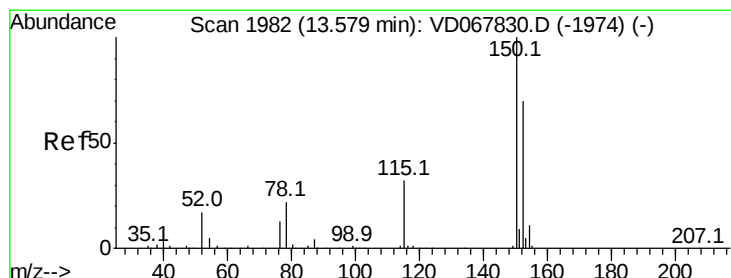
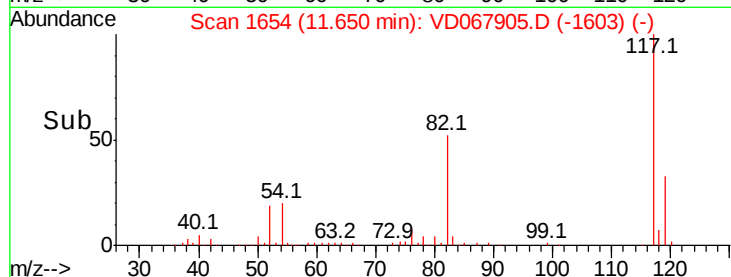
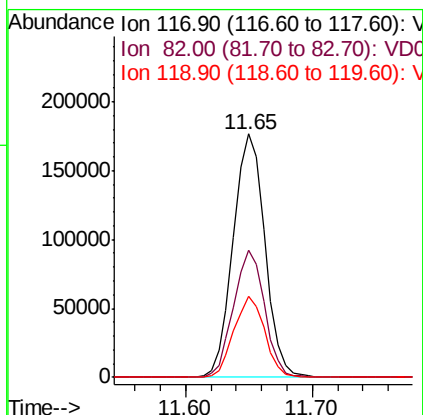
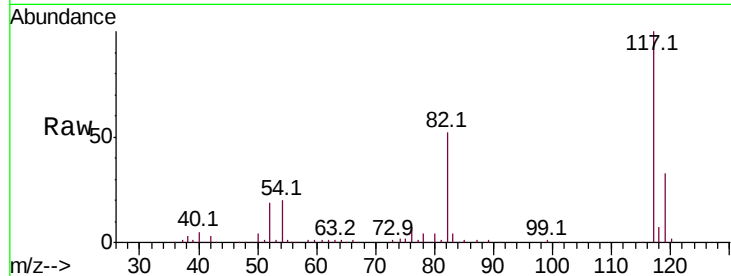




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067905.D
Acq: 08 Dec 2020 10:24

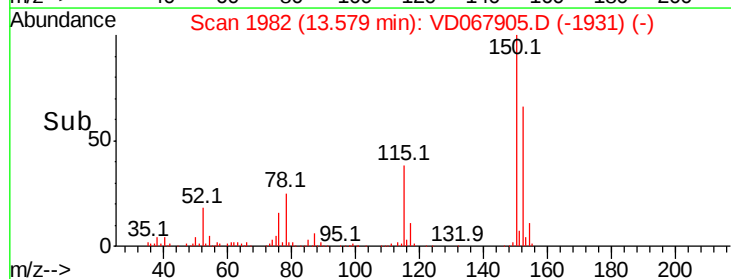
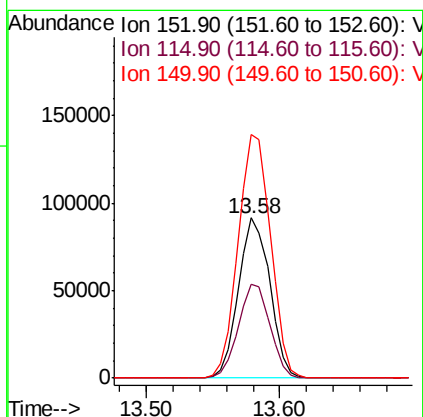
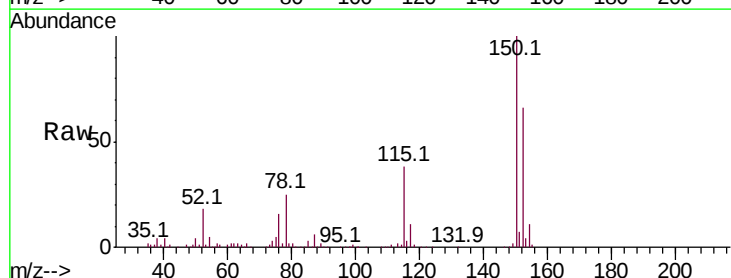
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBL01

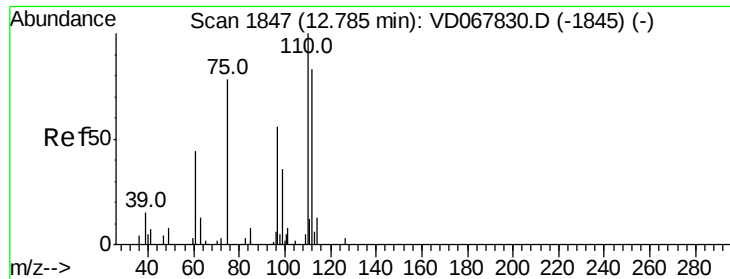
Tot Ion:117 Resp: 305706
Ion Ratio Lower Upper
117 100
82 52.3 40.6 60.8
119 33.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067905.D
Acq: 08 Dec 2020 10:24

Tgt Ion:152 Resp: 149511
Ion Ratio Lower Upper
152 100
115 59.2 29.1 87.4
150 156.7 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 66.001 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067905.D

Acq: 08 Dec 2020 10:24

Instrument :

MSVOA_D

ClientSampleId :

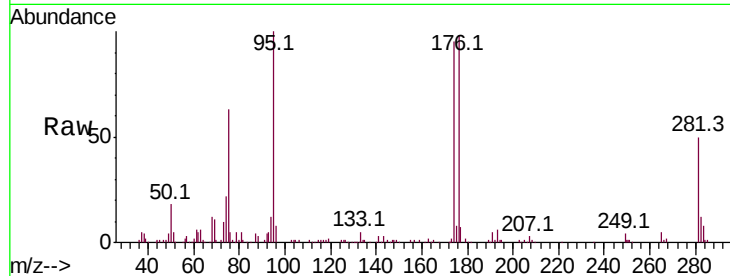
VD1208SBL01

Tot Ion: 75 Resp: 71861

Ion Ratio Lower Upper

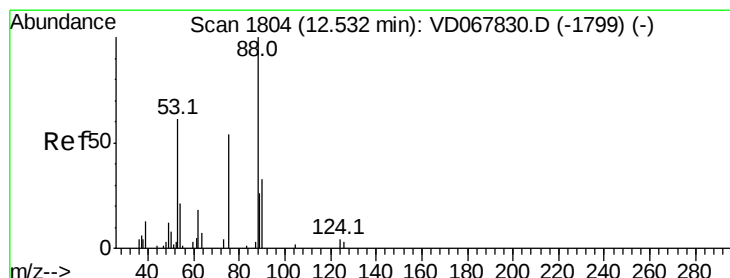
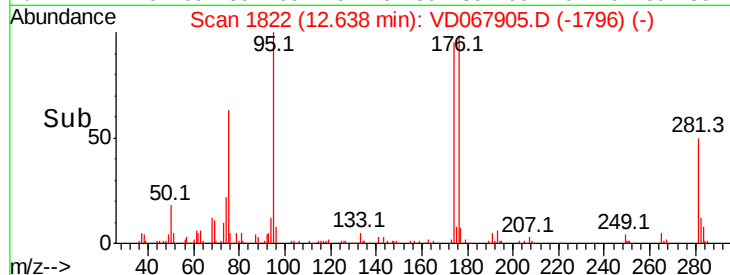
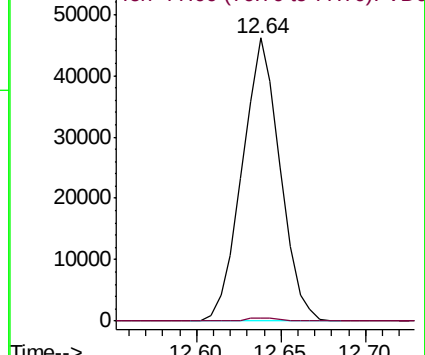
75 100

77 0.9 175.9 527.7#



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: 157.881 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067905.D

Acq: 08 Dec 2020 10:24

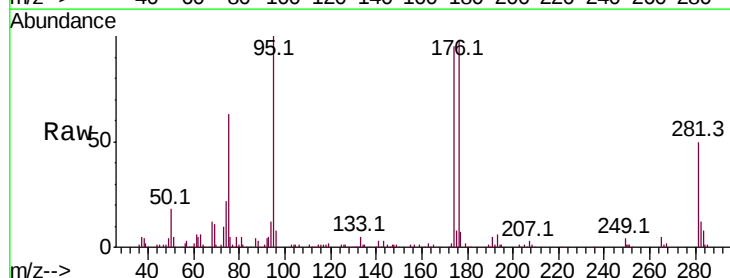
Tgt Ion: 75 Resp: 71861

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.2 41.0 61.6#



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

