

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067226.D
 Acq On : 12 Oct 2020 11:33
 Operator : VA/SY
 Sample : VW1012SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBL01

Quant Time: Oct 13 00:15:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	470841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	752636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	688470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332200	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	227017	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
35) Dibromofluoromethane	7.91	113	236052	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	10.34	98	844560	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
62) 4-Bromofluorobenzene	12.64	95	303396	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

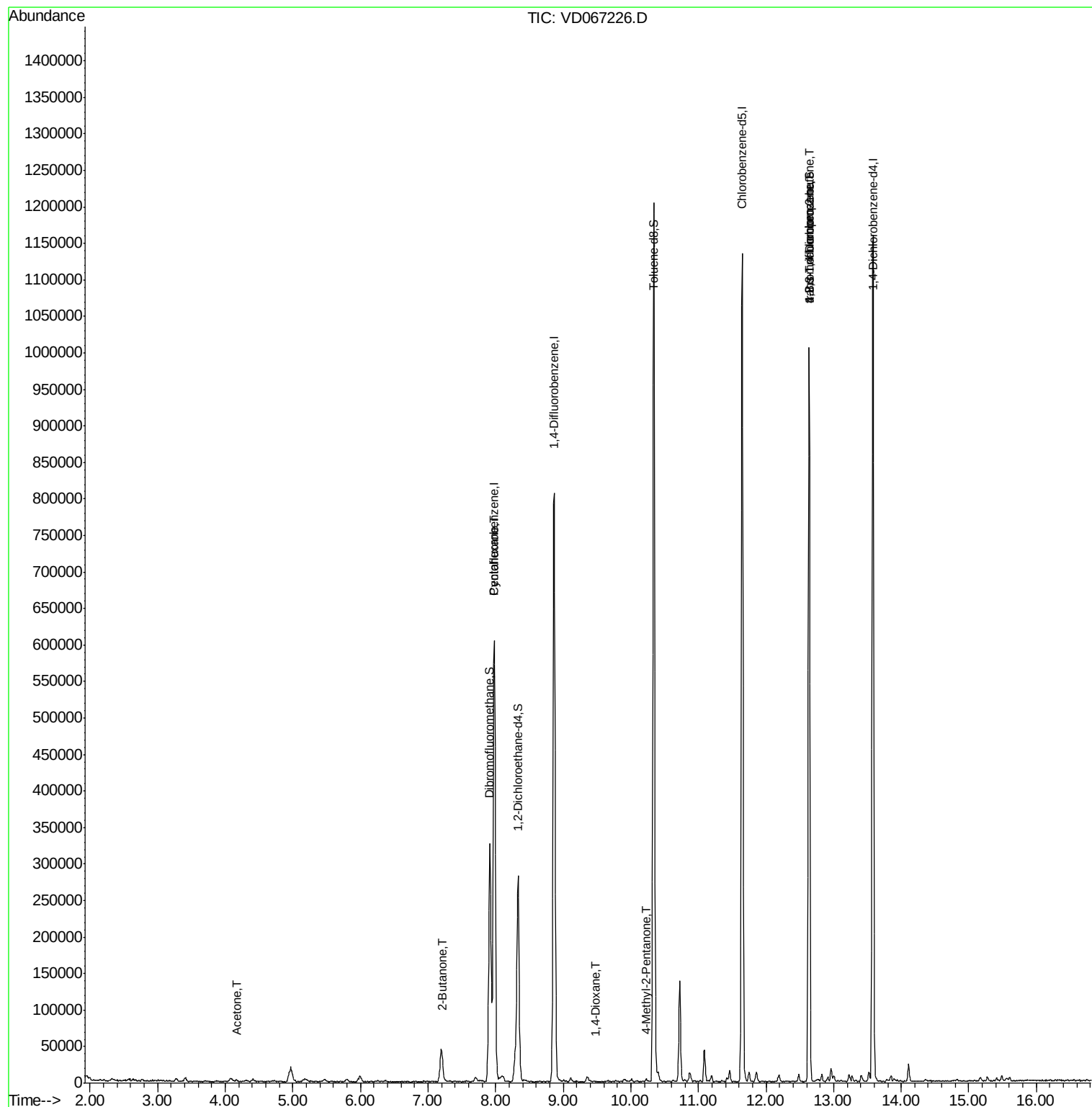
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2176	Below Cal		91
5) Bromomethane	2.79	94	1693	Below Cal		85
11) Tert butyl alcohol	5.23	59	708	Below Cal	#	72
16) Acetone	4.17	43	3148	4.547	ug/l	100
20) Methylene Chloride	4.96	84	17093	Below Cal	#	83
25) 2-Butanone	7.21	43	987	1.006	ug/l	91
26) 2,2-Dichloropropane	7.20	77	3419	Below Cal	#	70
31) Cyclohexane	7.97	56	10327	1.516	ug/l	# 1
49) 1,4-Dioxane	9.47	88	90	3.277	ug/l	# 25
51) 4-Methyl-2-Pentanone	10.23	43	2585	1.159	ug/l	# 82
76) 1,2,3-Trichloropropane	12.64	75	151033	52.196	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	151033	130.131	ug/l	# 12

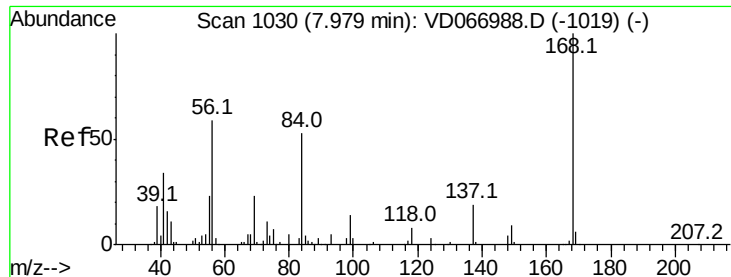
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 13 00:15:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

Instrument :

MSVOA_D

ClientSampleId :

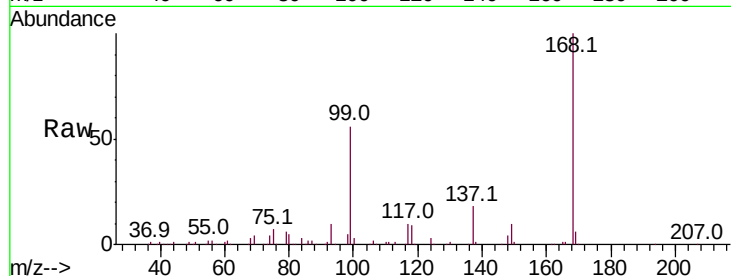
VD1012SBL01

Tot Ion:168 Resp: 470841

Ion Ratio Lower Upper

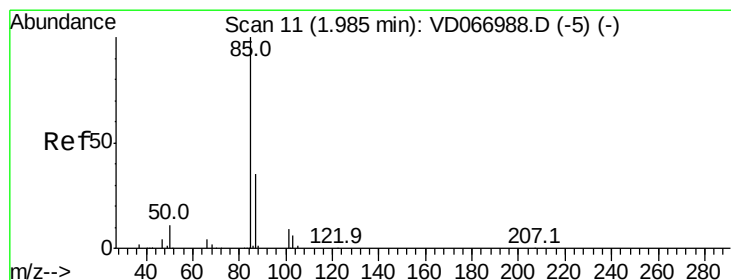
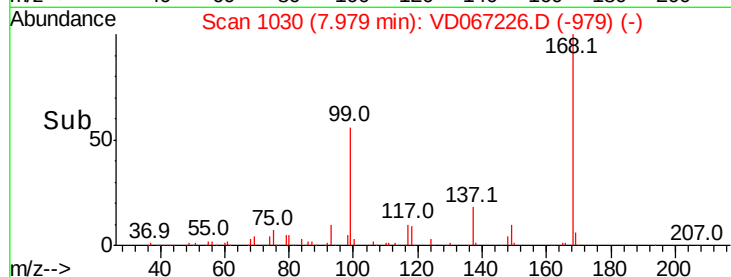
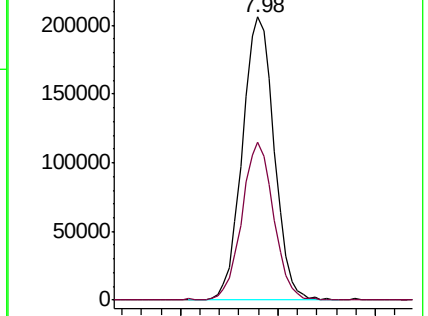
168 100

99 55.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067226.D

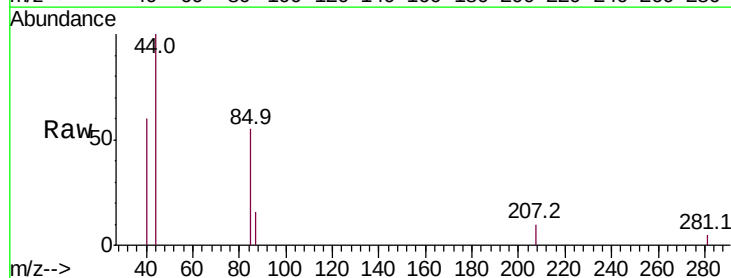
Acq: 12 Oct 2020 11:33

Tgt Ion: 85 Resp: 2176

Ion Ratio Lower Upper

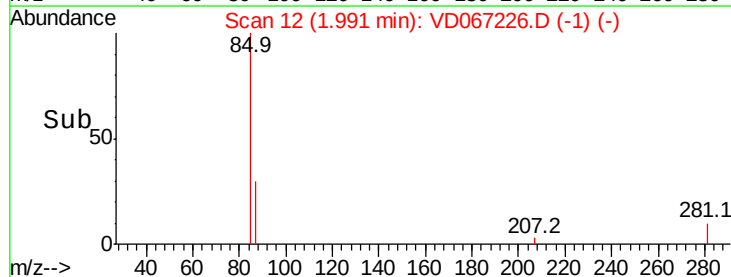
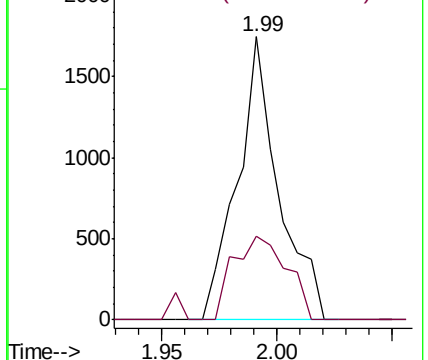
85 100

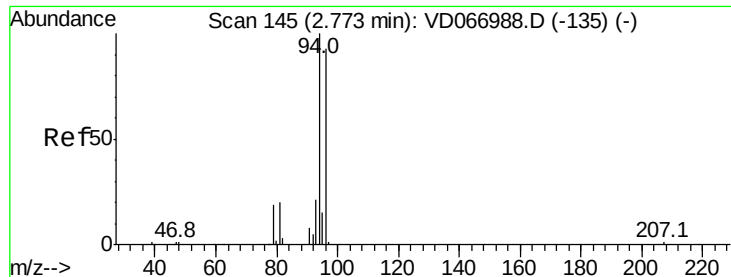
87 29.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

Instrument :

MSVOA_D

ClientSampleId :

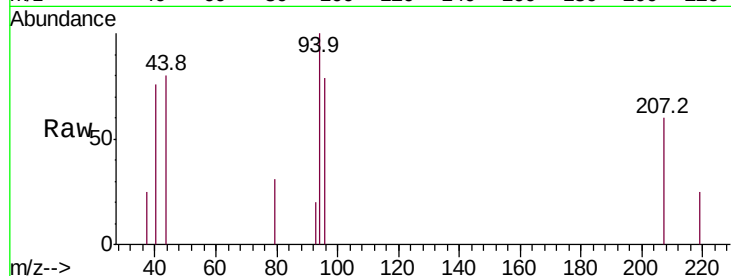
VD1012SBL01

Tot Ion: 94 Resp: 1693

Ion Ratio Lower Upper

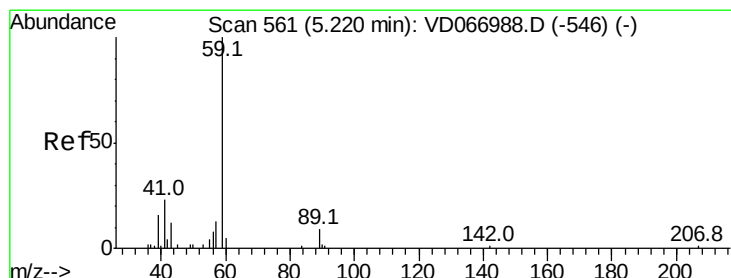
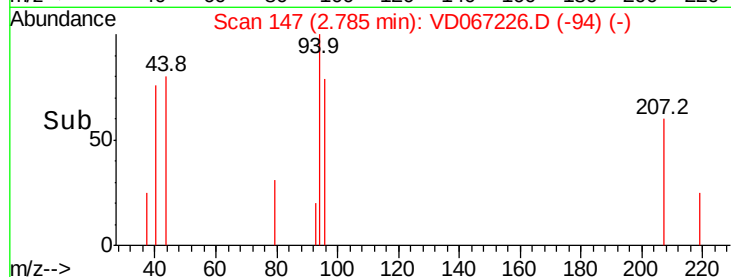
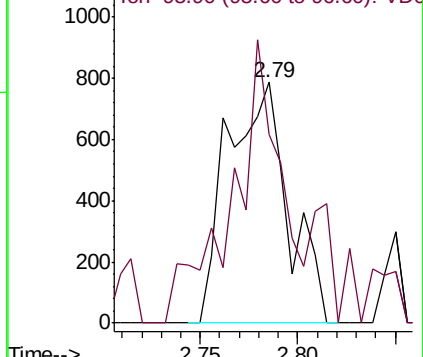
94 100

96 78.5 74.6 112.0



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: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD067226.D

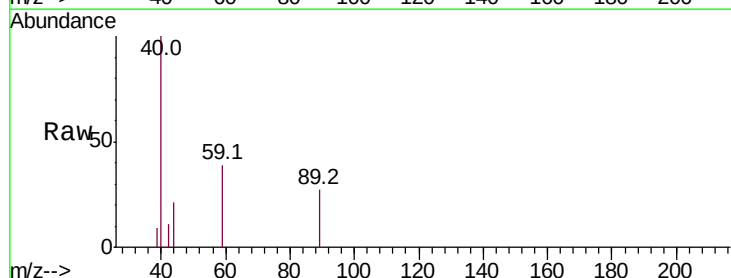
Acq: 12 Oct 2020 11:33

Tgt Ion: 59 Resp: 708

Ion Ratio Lower Upper

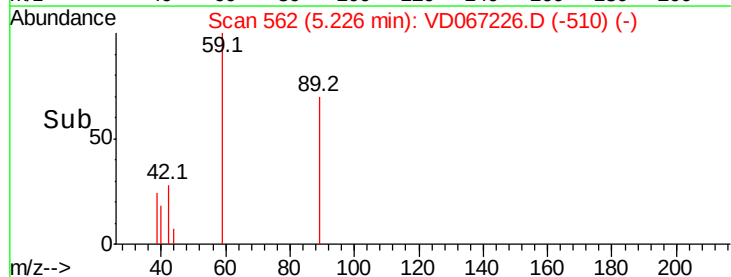
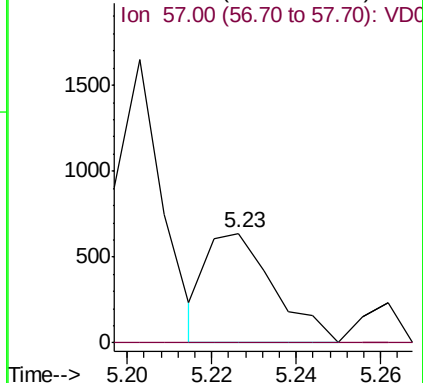
59 100

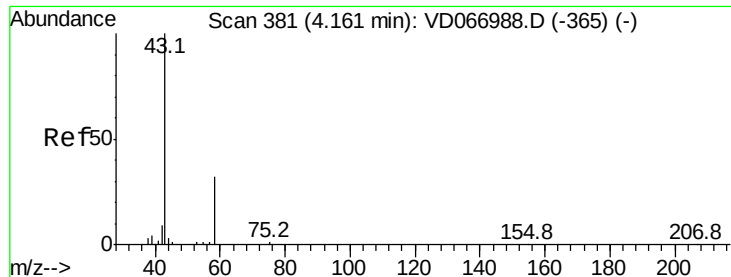
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.547 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

Instrument :

MSVOA_D

ClientSampleId :

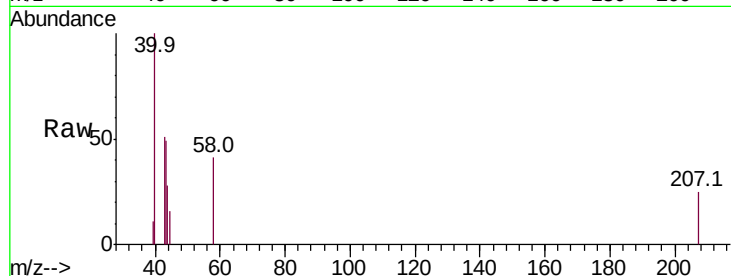
VD1012SBL01

Tot Ion: 43 Resp: 3148

Ion Ratio Lower Upper

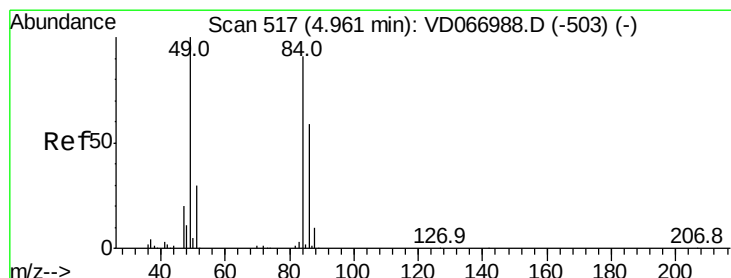
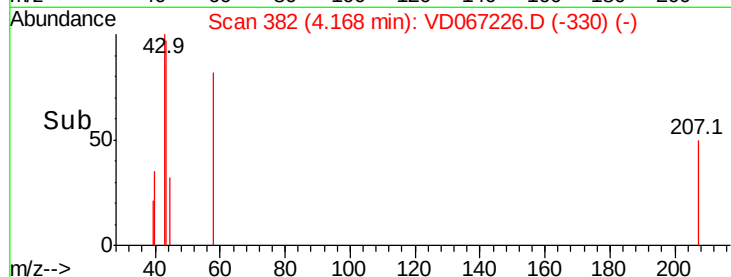
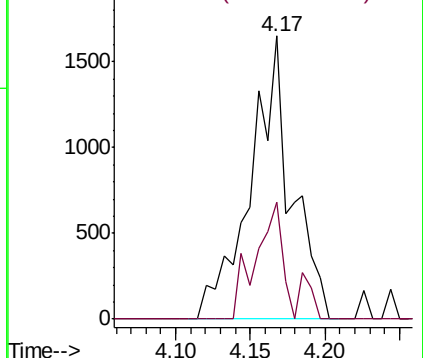
43 100

58 32.3 25.9 38.9



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: VD067226.D

Acq: 12 Oct 2020 11:33

Tgt Ion: 84 Resp: 17093

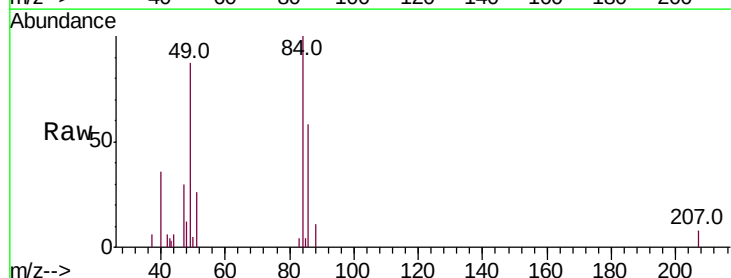
Ion Ratio Lower Upper

84 100

49 86.5 88.2 132.2#

51 26.0 26.6 39.8#

86 58.1 52.1 78.1

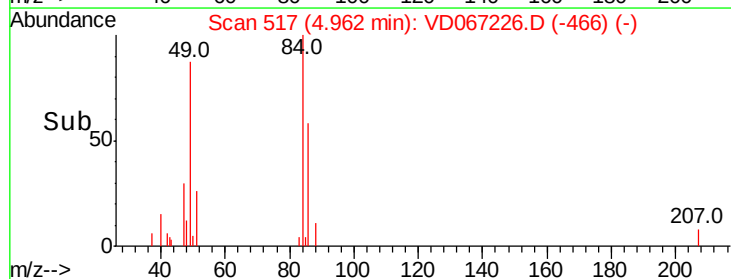
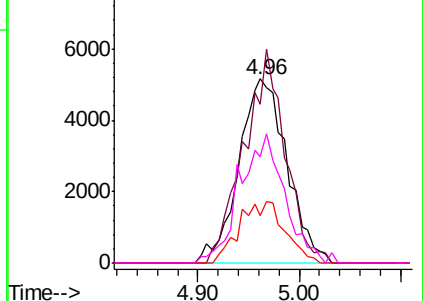


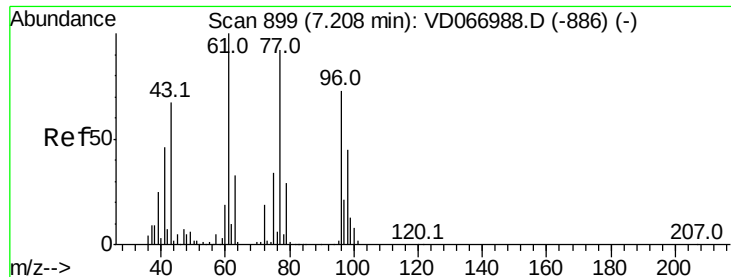
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.006 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

Instrument :

MSVOA_D

ClientSampleId :

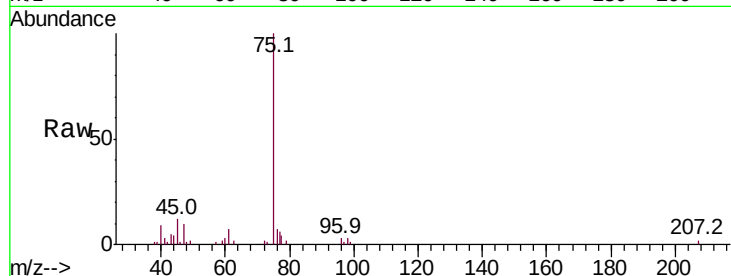
VD1012SBL01

Tot Ion: 43 Resp: 987

Ion Ratio Lower Upper

43 100

72 33.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

800

600

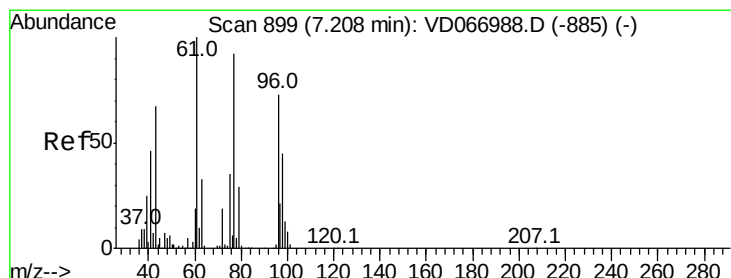
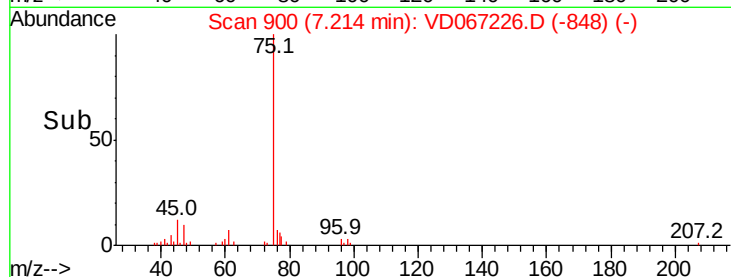
400

200

0

7.20 7.22 7.24 7.26

Time-->



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067226.D

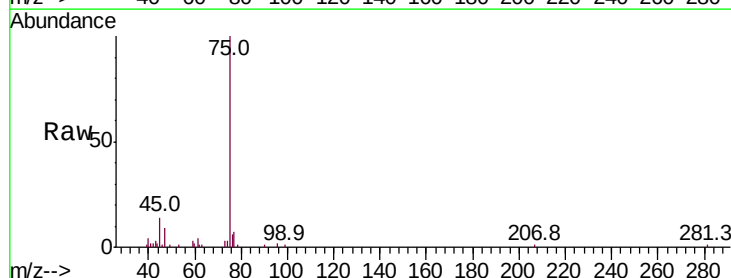
Acq: 12 Oct 2020 11:33

Tgt Ion: 77 Resp: 3419

Ion Ratio Lower Upper

77 100

97 8.3 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.20

2000

1500

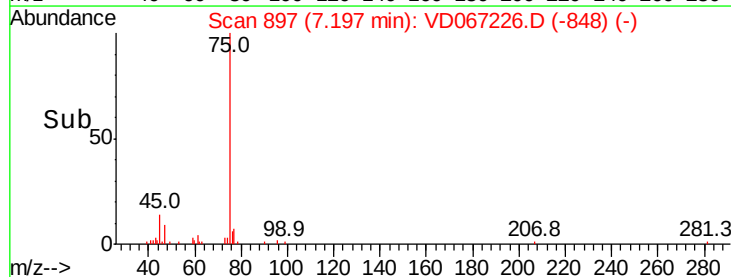
1000

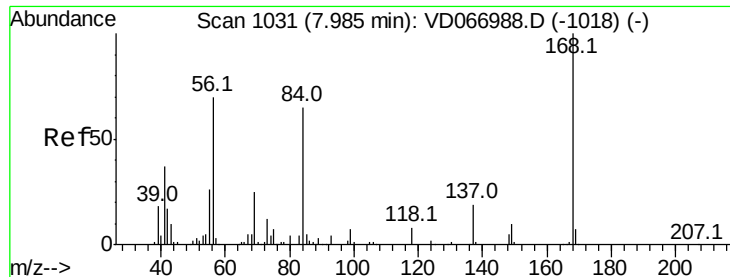
500

0

7.15 7.20

Time-->

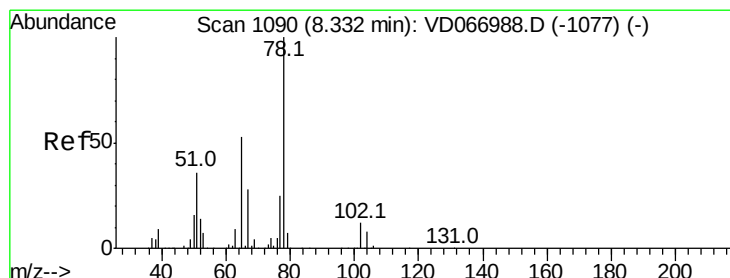
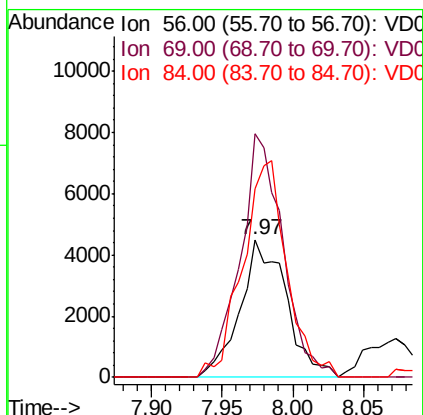
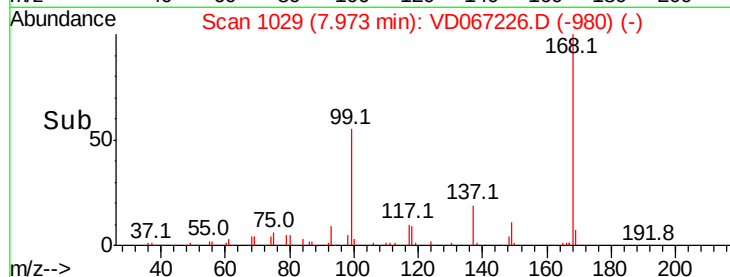
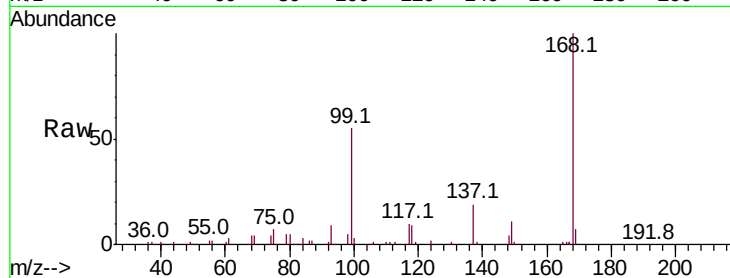




#31
Cyclohexane
Concen: 1.516 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067226.D
Acq: 12 Oct 2020 11:33

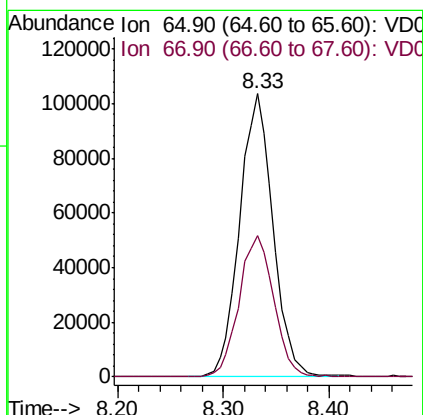
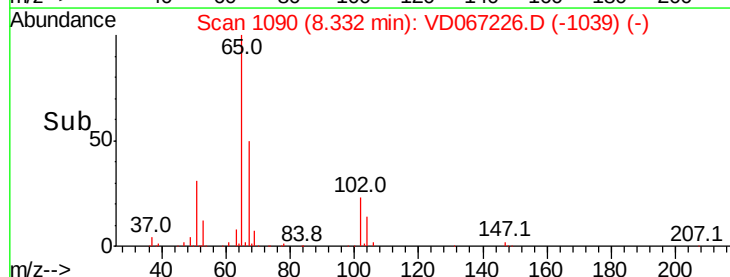
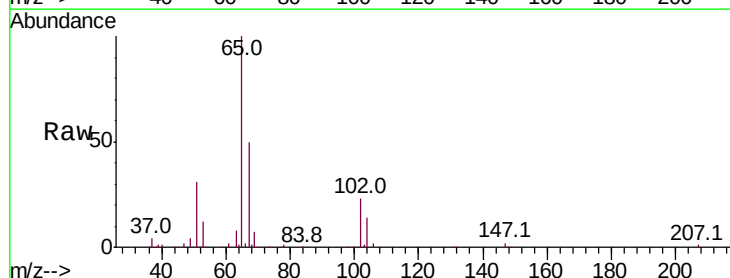
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBL01

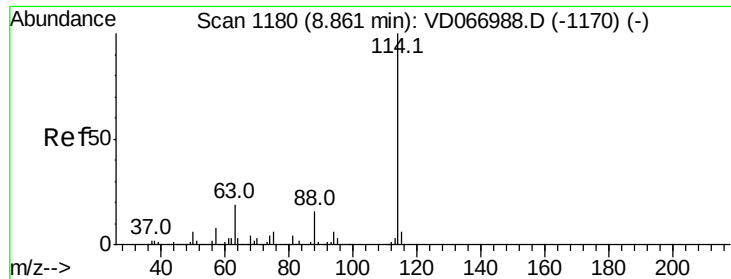
Tot Ion: 56 Resp: 10327
Ion Ratio Lower Upper
56 100
69 176.7 29.0 43.6#
84 136.6 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 50.058 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067226.D
Acq: 12 Oct 2020 11:33

Tgt Ion: 65 Resp: 227017
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBL01

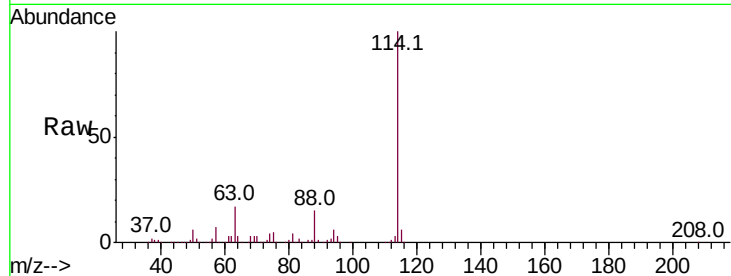
Tot Ion:114 Resp: 752636

Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.4

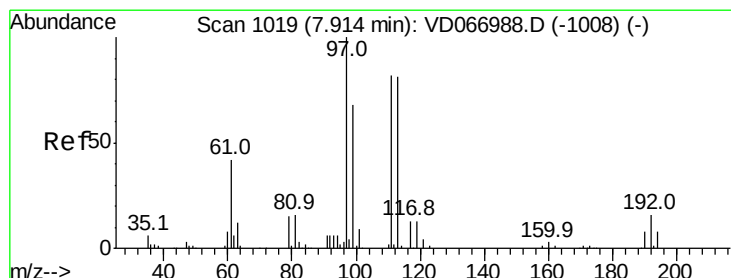
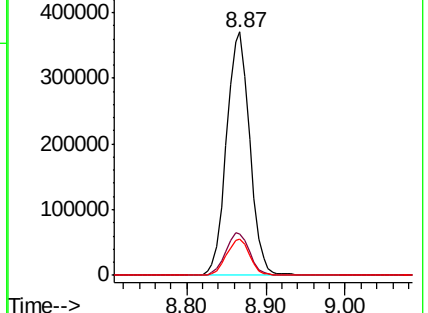
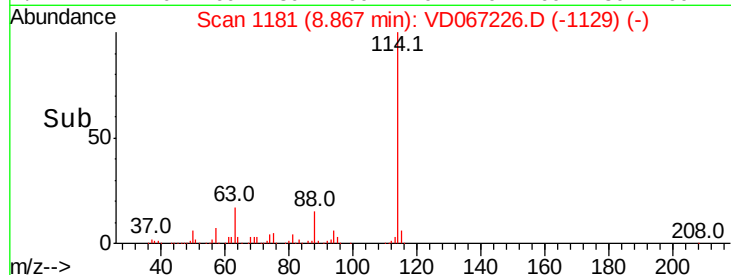
88 14.7 0.0 31.2



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: 47.906 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

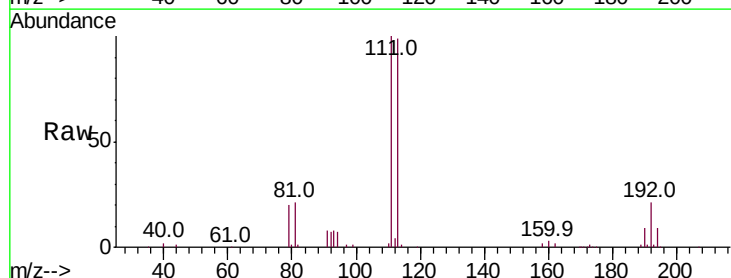
Tgt Ion:113 Resp: 236052

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

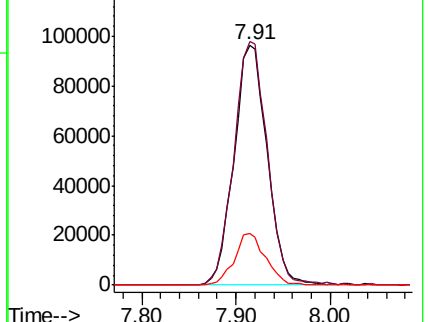
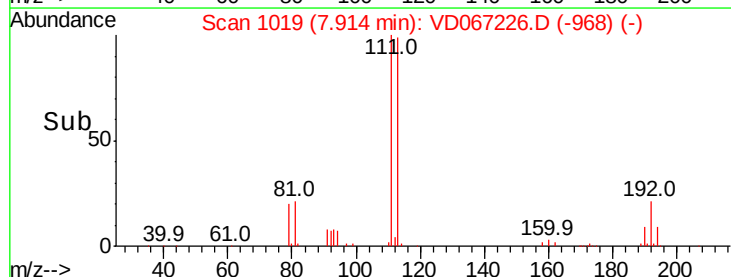
192 20.3 15.5 23.3

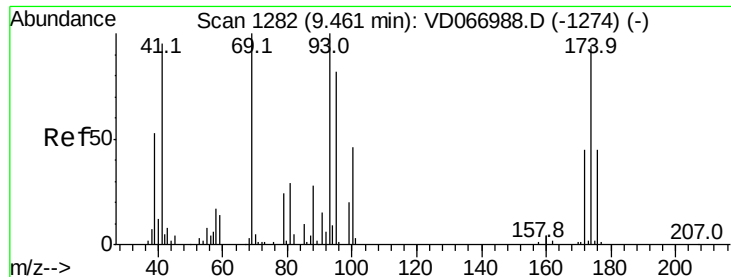


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: 3.277 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBL01

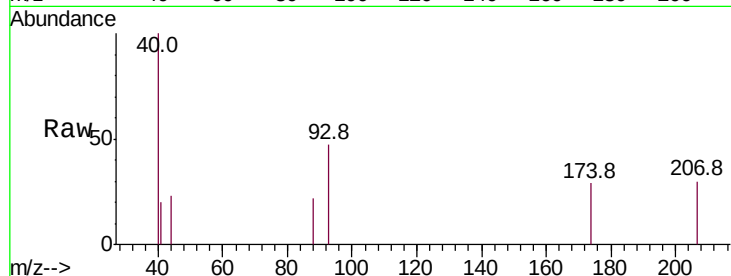
Tot Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

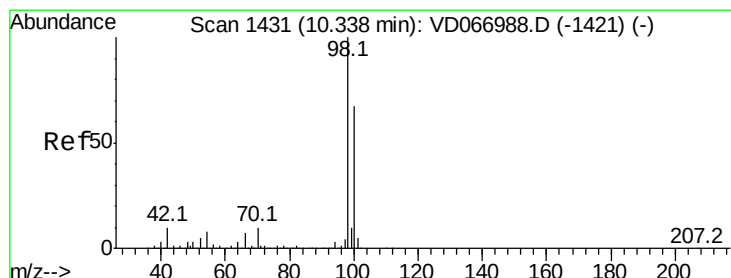
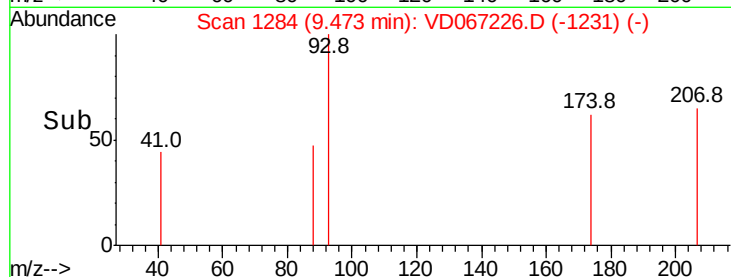
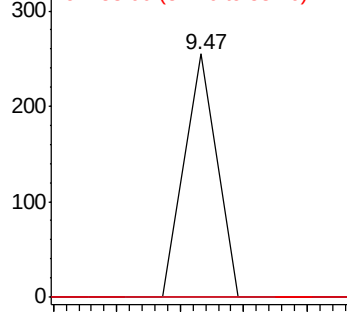
58 0.0 53.5 80.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 47.038 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067226.D

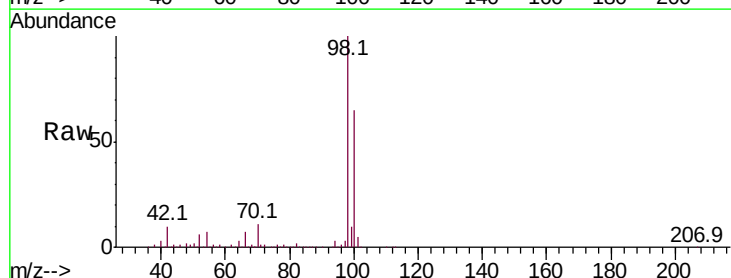
Acq: 12 Oct 2020 11:33

Tgt Ion: 98 Resp: 844560

Ion Ratio Lower Upper

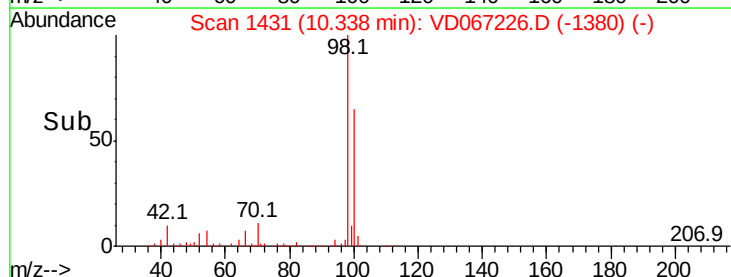
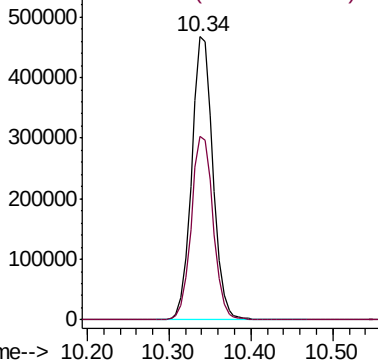
98 100

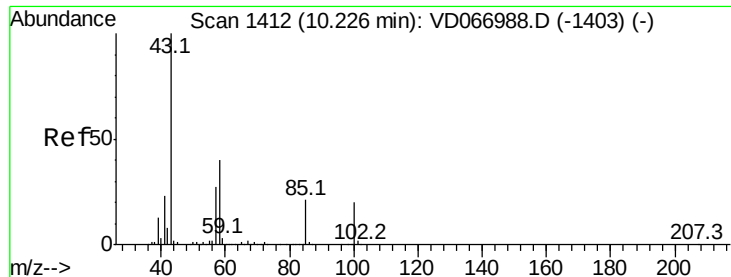
100 66.7 52.8 79.2



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: 1.159 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

Instrument :

MSVOA_D

ClientSampleId :

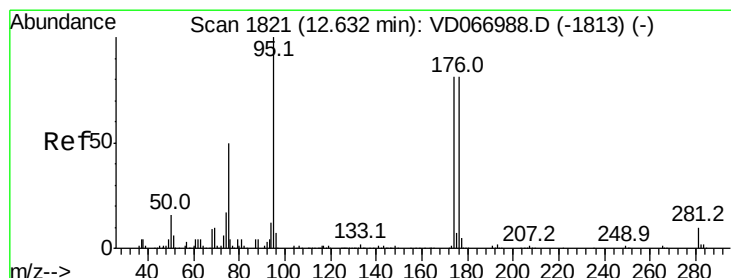
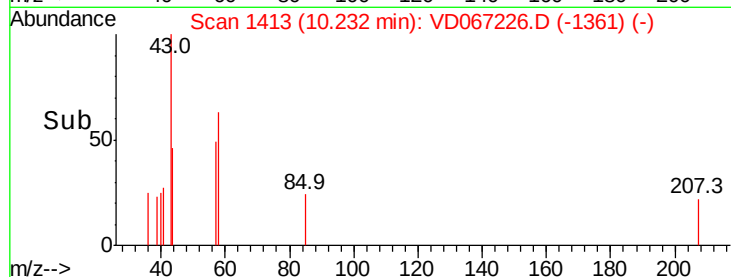
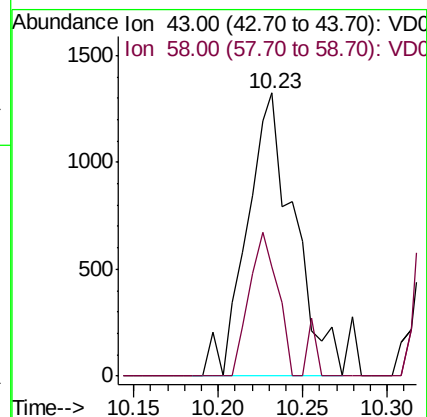
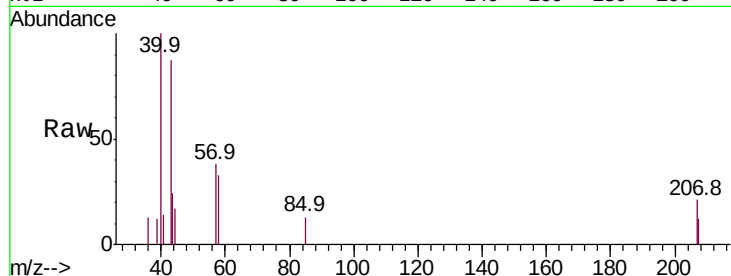
VD1012SBL01

Tot Ion: 43 Resp: 2585

Ion Ratio Lower Upper

43 100

58 30.6 33.8 50.8#



#62

4-Bromofluorobenzene

Concen: 49.776 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

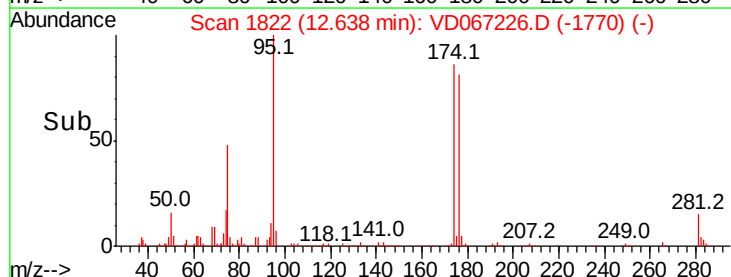
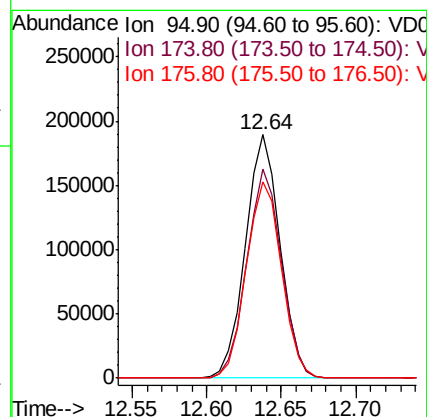
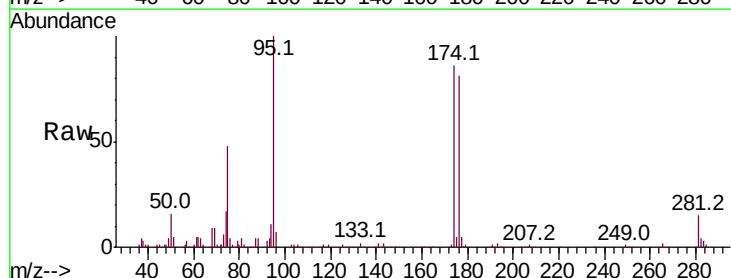
Tgt Ion: 95 Resp: 303396

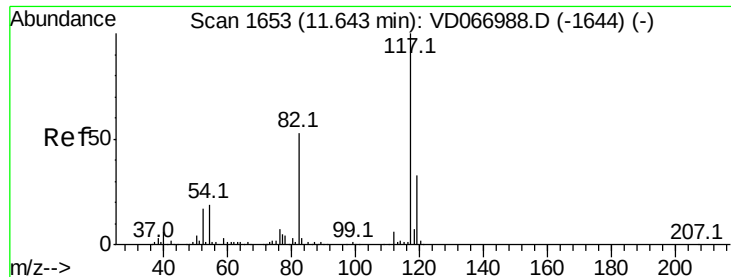
Ion Ratio Lower Upper

95 100

174 86.1 0.0 167.6

176 82.1 0.0 162.4

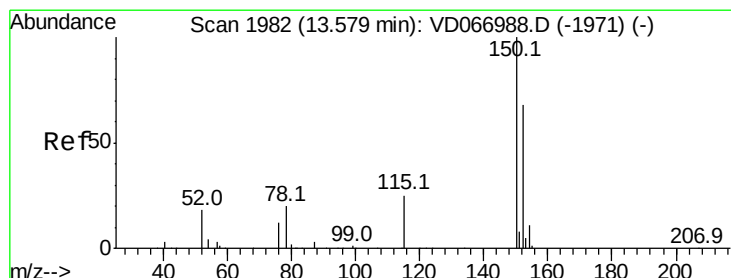
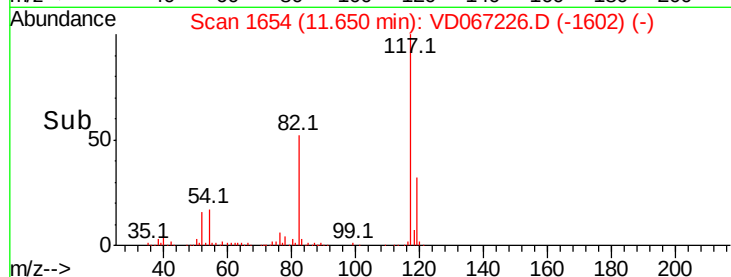
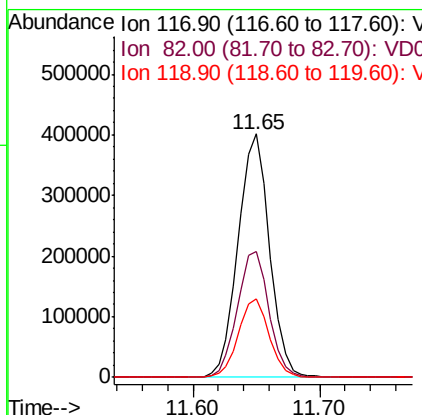
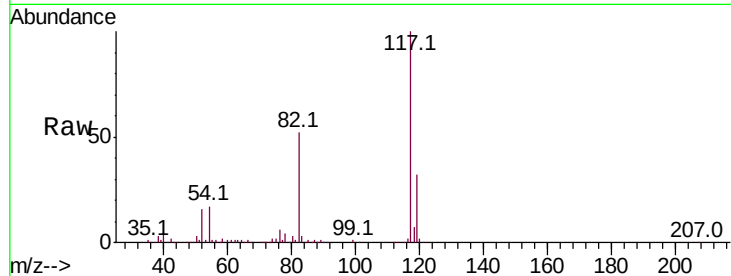




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067226.D
Acq: 12 Oct 2020 11:33

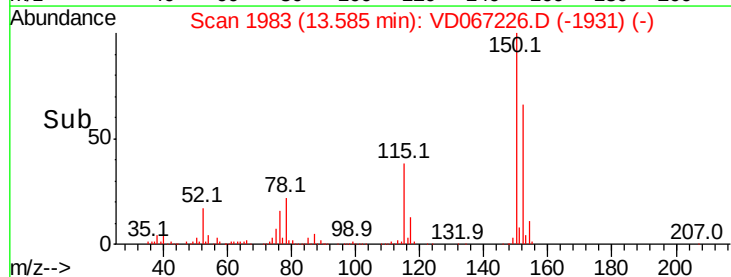
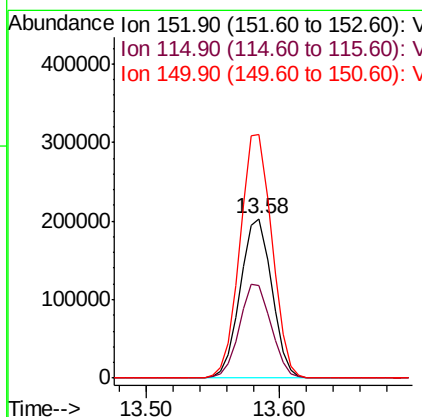
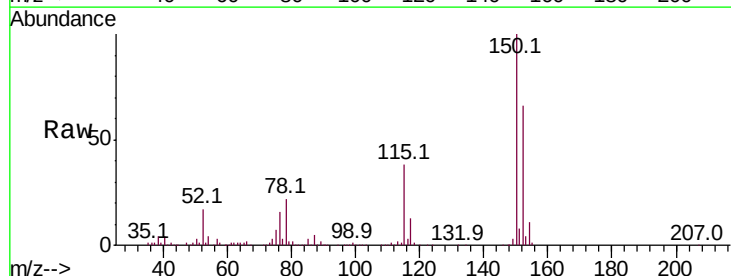
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBL01

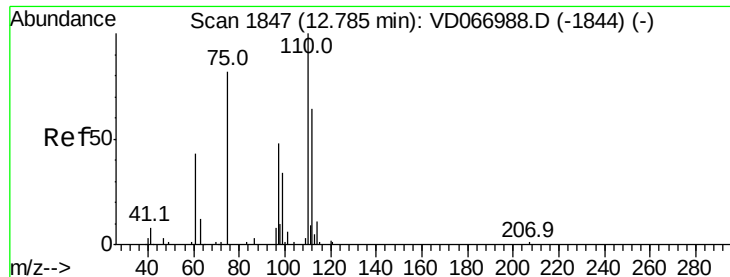
Tot Ion:117 Resp: 688470
Ion Ratio Lower Upper
117 100
82 51.8 42.6 63.8
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067226.D
Acq: 12 Oct 2020 11:33

Tgt Ion:152 Resp: 332200
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 154.8 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.196 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

Instrument :

MSVOA_D

ClientSampleId :

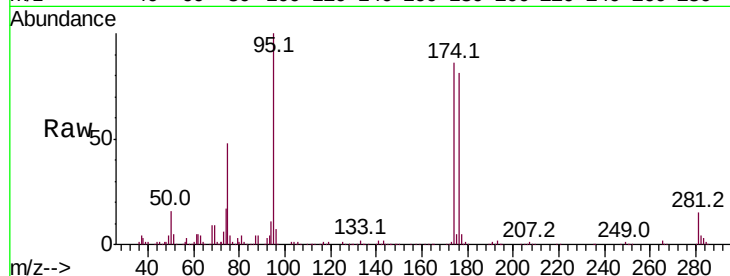
VD1012SBL01

Tot Ion: 75 Resp: 151033

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

100000

80000

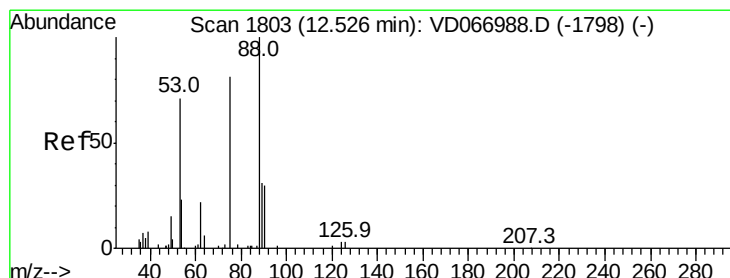
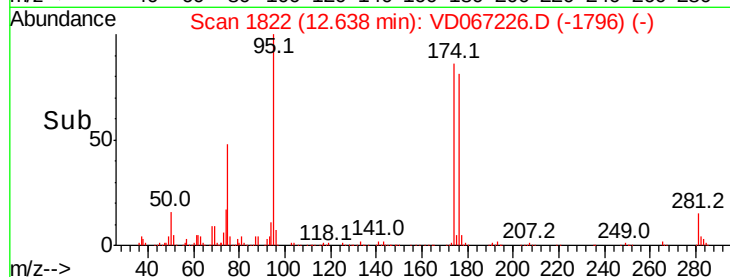
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 130.131 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067226.D

Acq: 12 Oct 2020 11:33

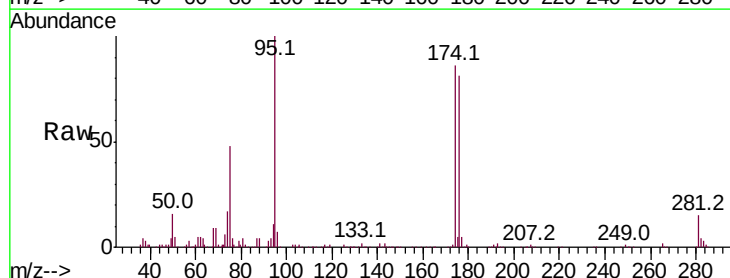
Tgt Ion: 75 Resp: 151033

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.2 38.9 58.3#



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

120000

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

