

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066158.D
 Acq On : 07 Aug 2020 15:25
 Operator : VA/SY
 Sample : L3592-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Aug 08 00:39:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	263152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	458529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	512092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271510	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	121357	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	7.91	113	142762	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	10.34	98	567795	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.64	95	243684	63.07	ug/l	0.00
Spiked Amount			Recovery	=	126.14%	

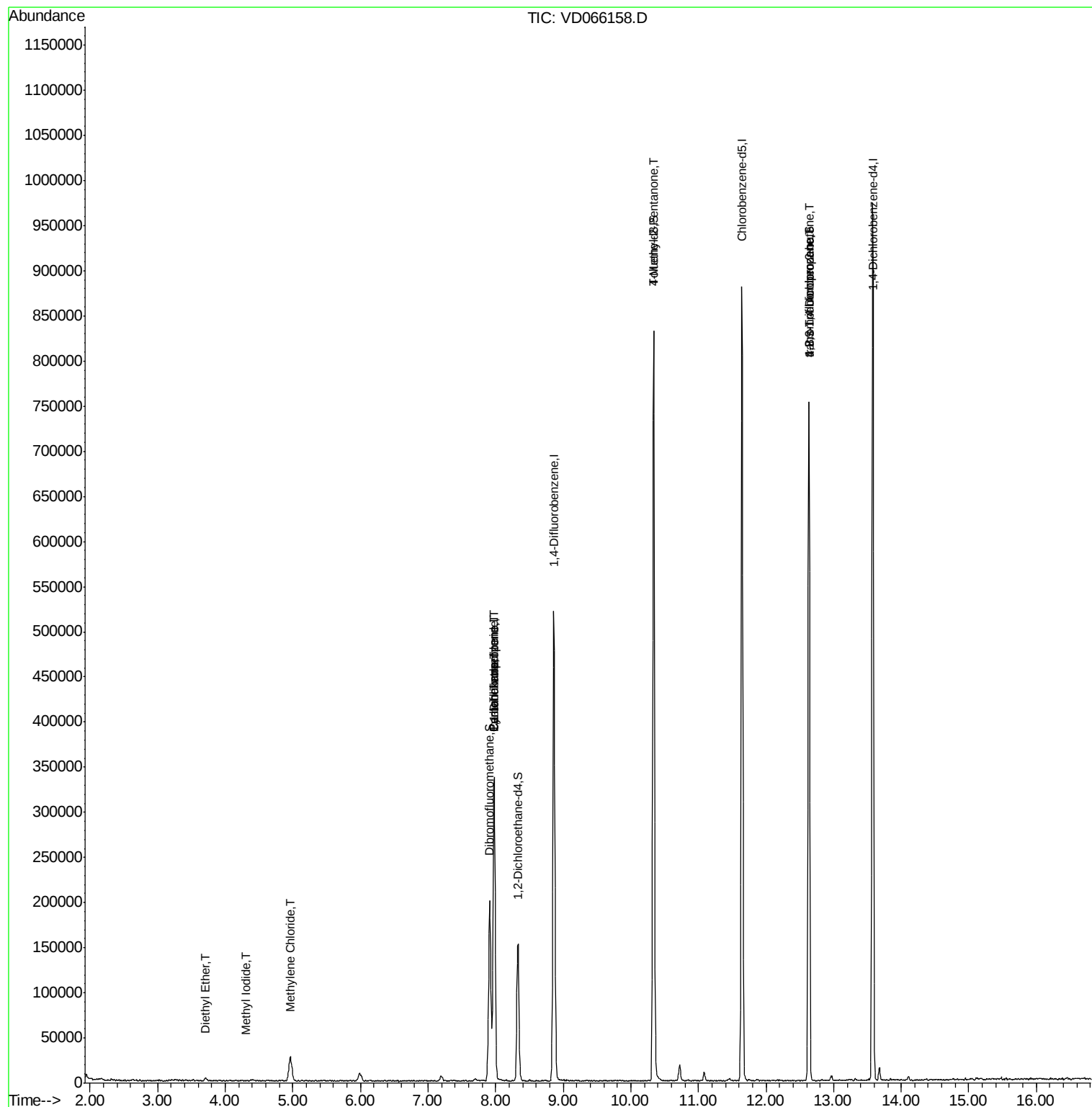
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1317	1.121	ug/l	74
10) Methyl Iodide	4.30	142	74	6.740	ug/l #	59
11) Tert butyl alcohol	5.19	59	125	Below Cal	#	76
20) Methylene Chloride	4.97	84	20119	3.529	ug/l	90
31) Cyclohexane	7.97	56	5374	1.307	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	18701	4.340	ug/l #	49
38) Carbon Tetrachloride	7.97	117	24384	5.075	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	2421	1.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	118290	52.244	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	118290	115.488	ug/l #	13

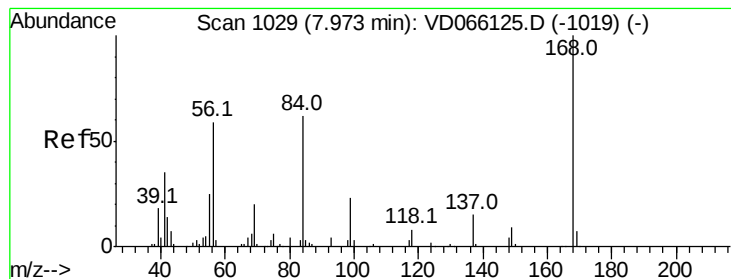
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 00:39:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

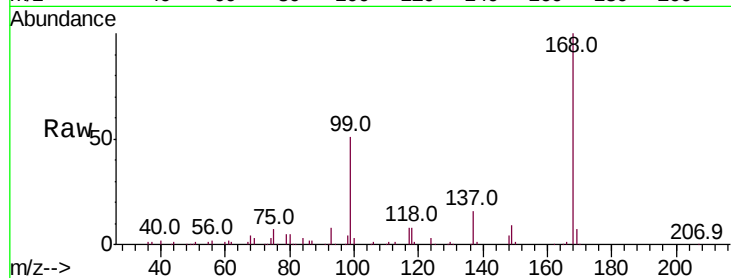
VOC

Tot Ion:168 Resp: 263152

Ion Ratio Lower Upper

168 100

99 50.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

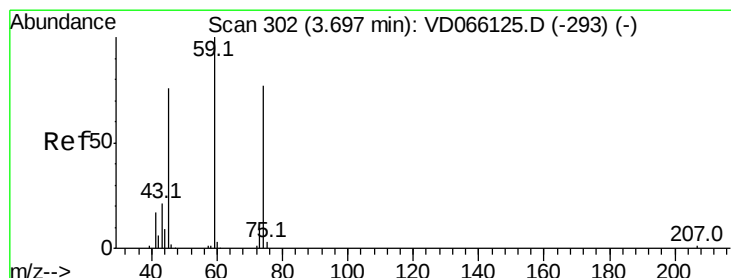
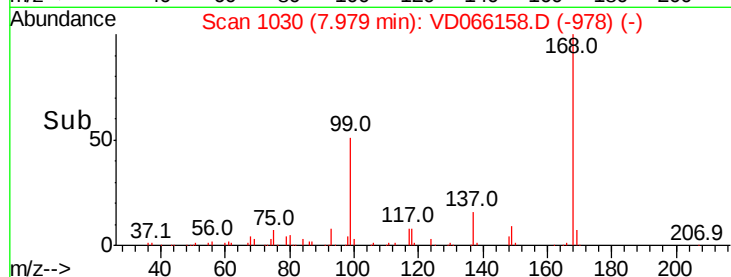
7.98

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.121 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066158.D

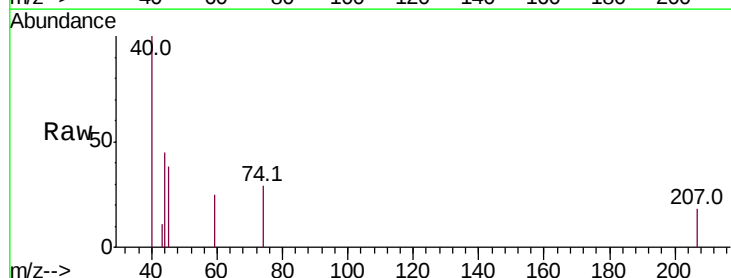
Acq: 07 Aug 2020 15:25

Tgt Ion: 74 Resp: 1317

Ion Ratio Lower Upper

74 100

45 122.2 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

800

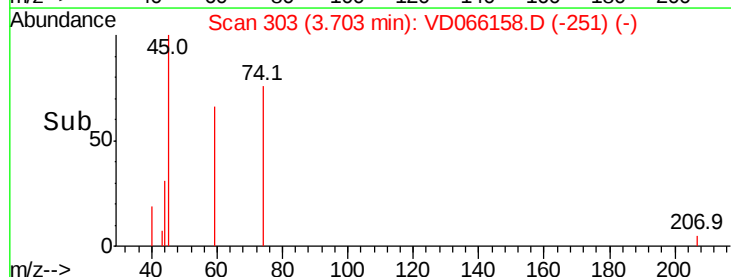
600

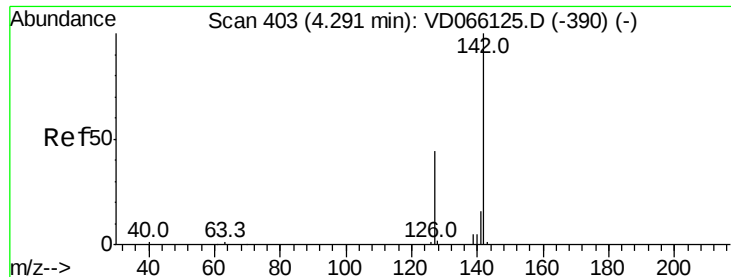
400

200

0

Time-->

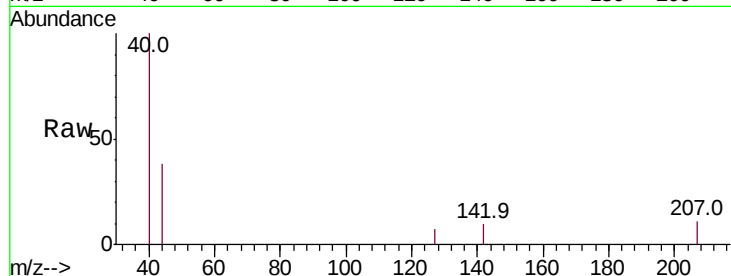




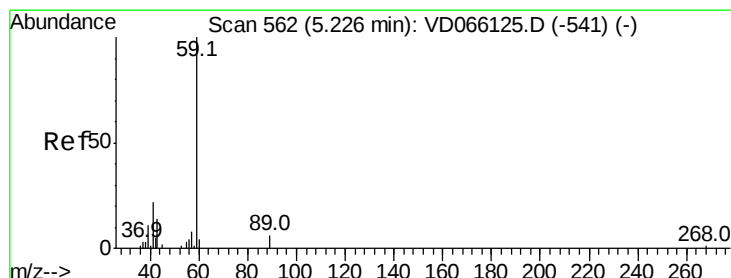
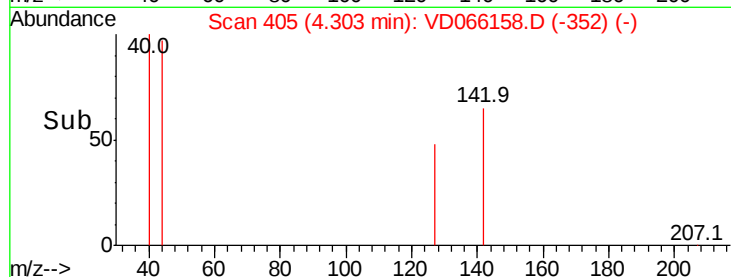
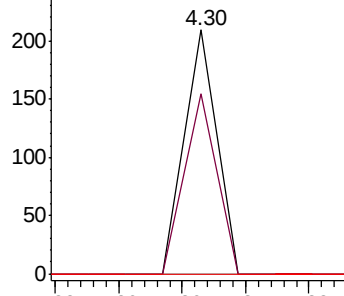
#10
Methyl Iodide
Concen: 6.740 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.01 min
Lab File: VD066158.D
Acq: 07 Aug 2020 15:25

Instrument :
MSVOA_D
ClientSampled :
VOC

Tot Ion:142 Resp: 74
Ion Ratio Lower Upper
142 100
127 73.0 36.2 54.4#
141 0.0 12.6 18.8#

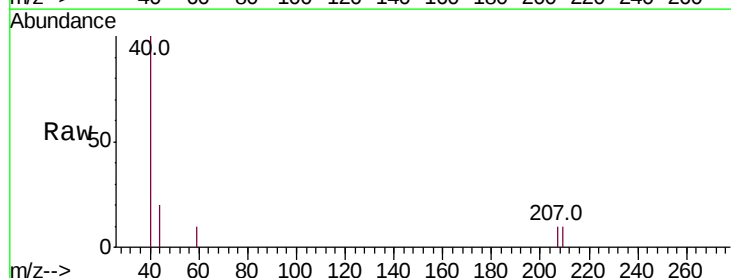


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

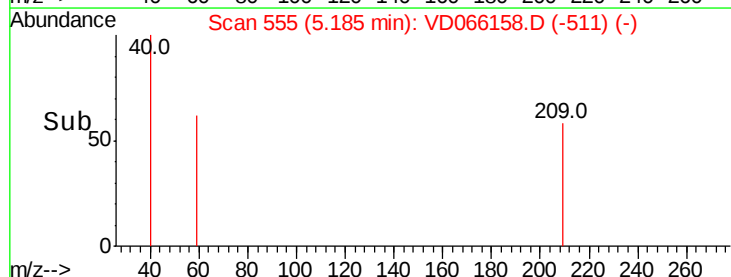
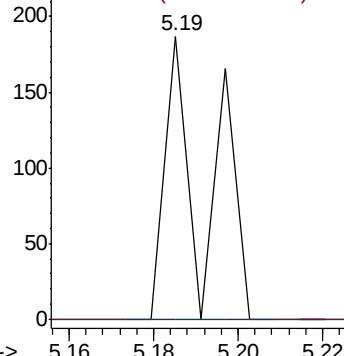


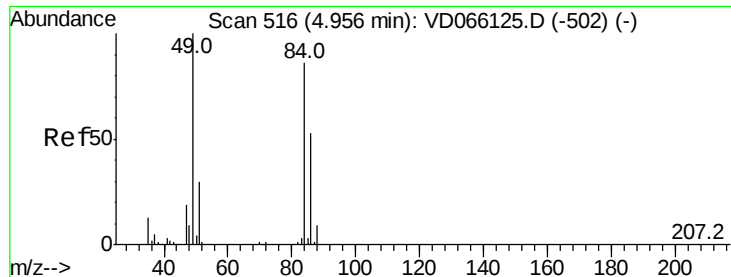
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD066158.D
Acq: 07 Aug 2020 15:25

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V





#20

Methylene Chloride

Concen: 3.529 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

VOC

Tot Ion: 84 Resp: 20119

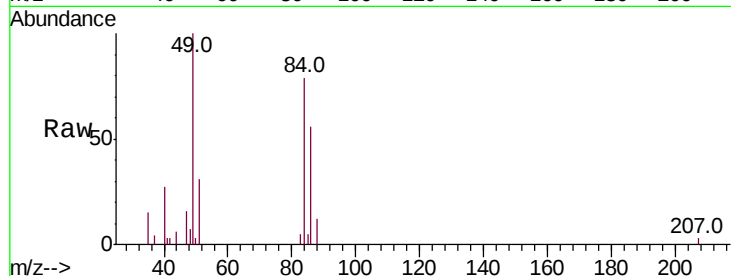
Ion Ratio Lower Upper

84 100

49 127.0 93.5 140.3

51 39.5 28.2 42.4

86 71.1 49.5 74.3



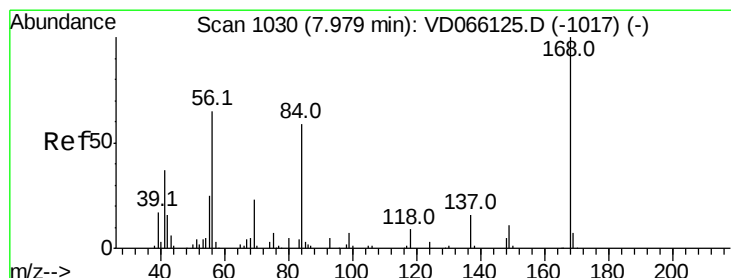
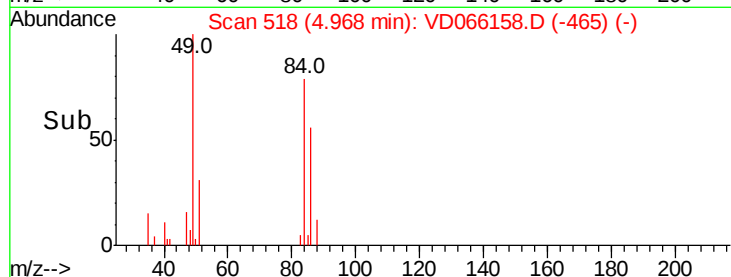
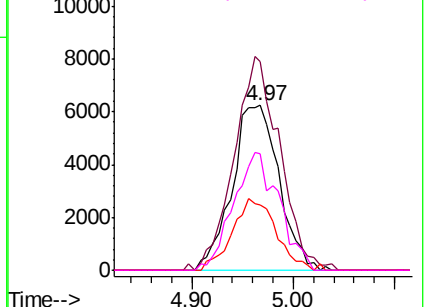
Abundance

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



#31

Cyclohexane

Concen: 1.307 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

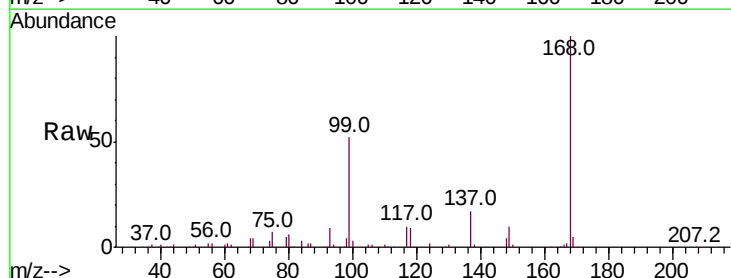
Tgt Ion: 56 Resp: 5374

Ion Ratio Lower Upper

56 100

69 170.3 28.8 43.2#

84 118.5 73.0 109.6#

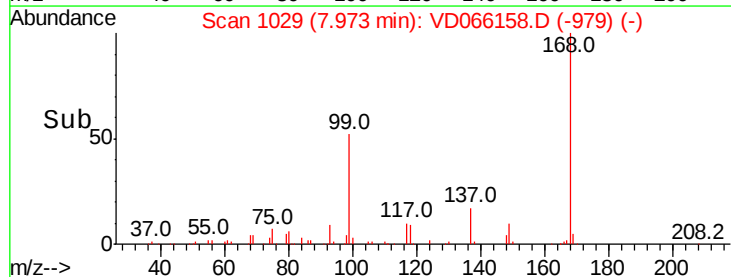
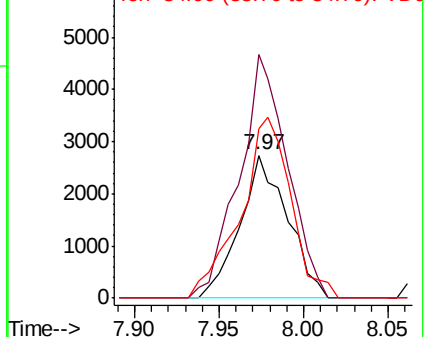


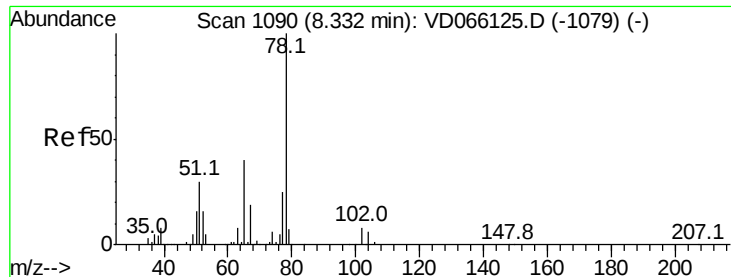
Abundance

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: 51.692 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

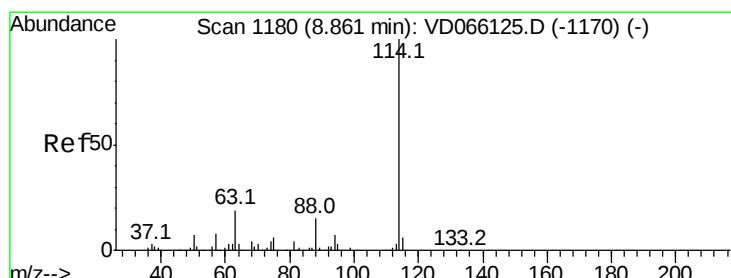
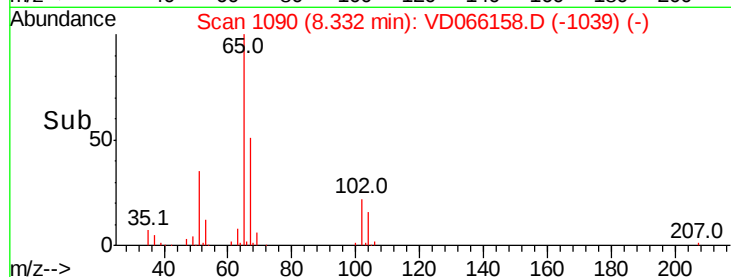
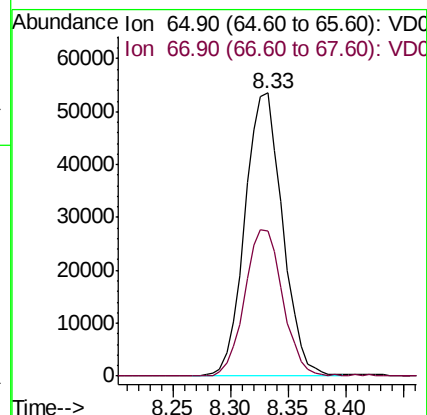
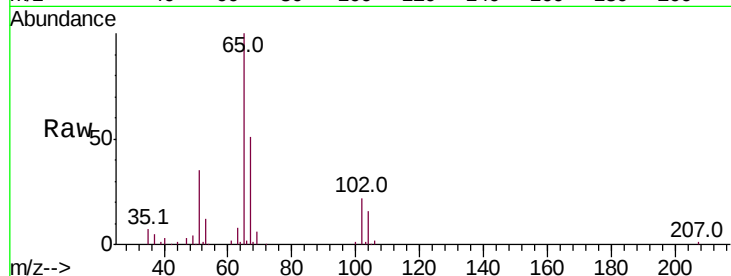
VOC

Tot Ion: 65 Resp: 121357

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

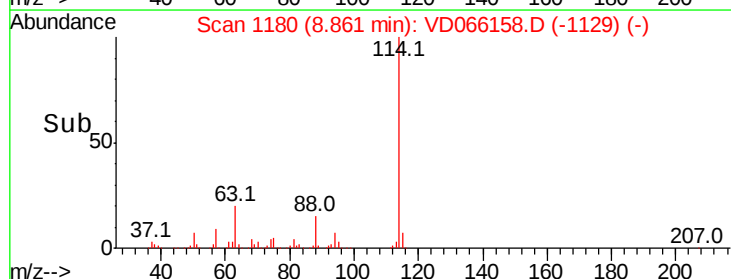
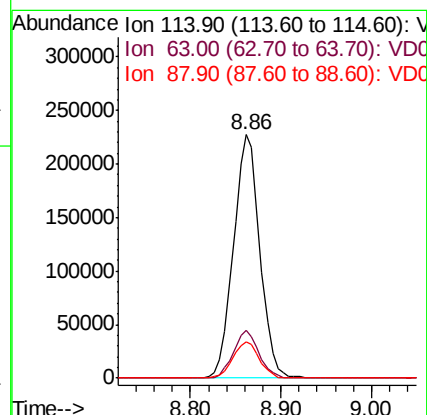
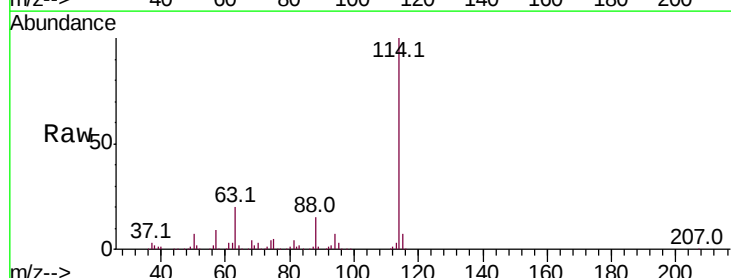
Tgt Ion:114 Resp: 458529

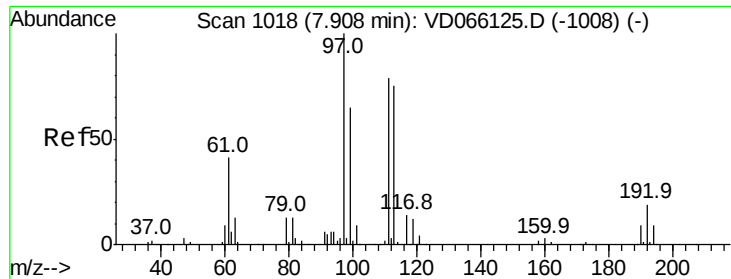
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 14.8 0.0 30.0

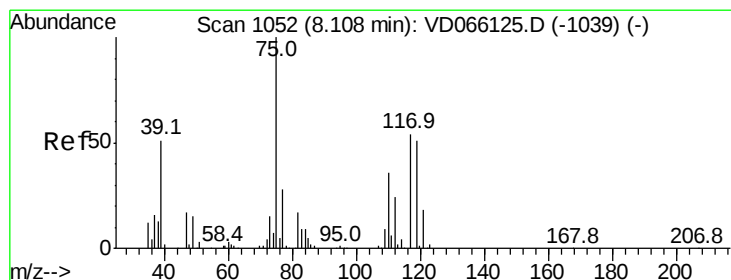
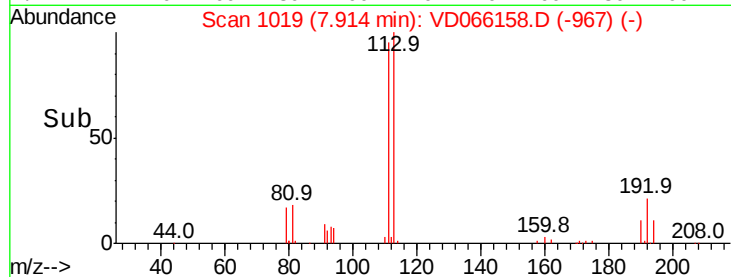
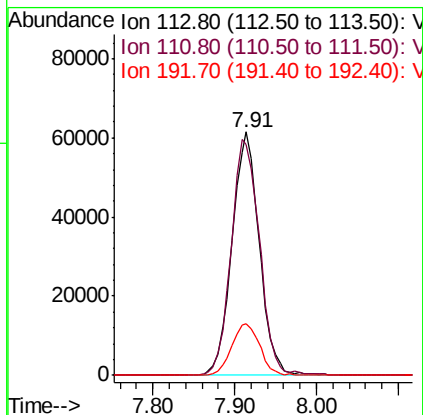
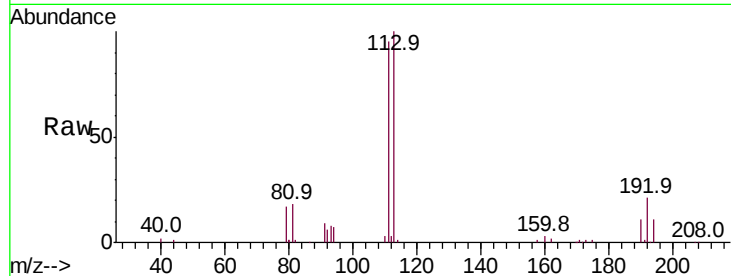




#35
 Dibromofluoromethane
 Concen: 49.148 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066158.D
 Acq: 07 Aug 2020 15:25

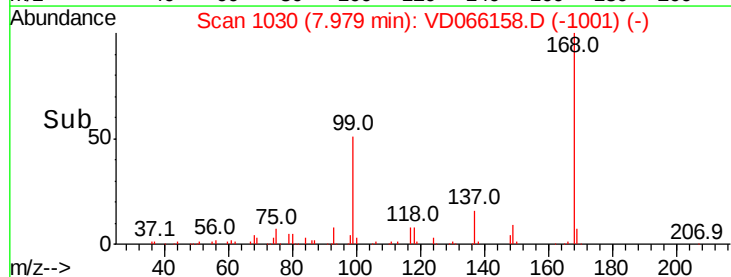
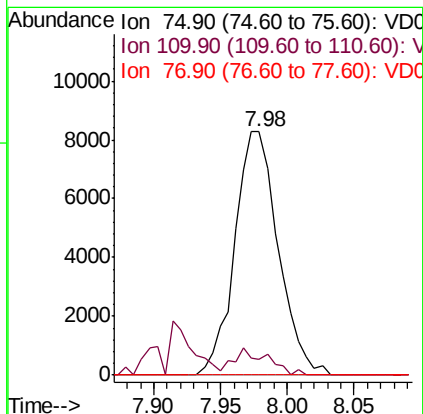
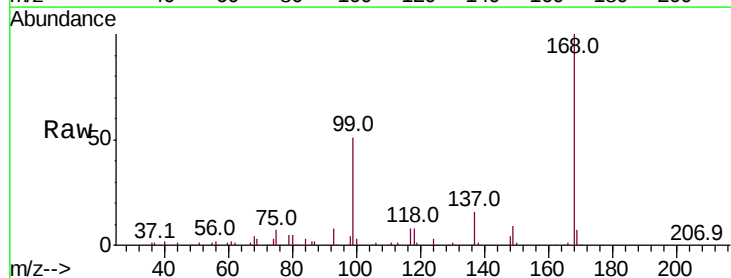
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

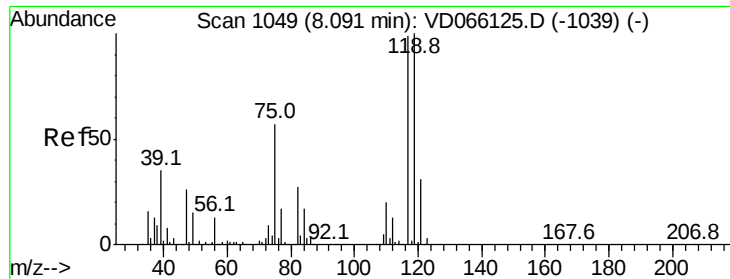
Tot Ion:113 Resp: 142762
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.7 121.1
 192 21.8 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.340 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066158.D
 Acq: 07 Aug 2020 15:25

Tgt Ion: 75 Resp: 18701
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.8 56.3#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.075 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

VOC

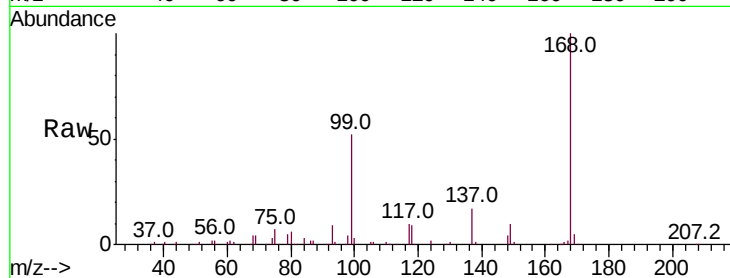
Tot Ion:117 Resp: 24384

Ion Ratio Lower Upper

117 100

119 4.7 81.0 121.4#

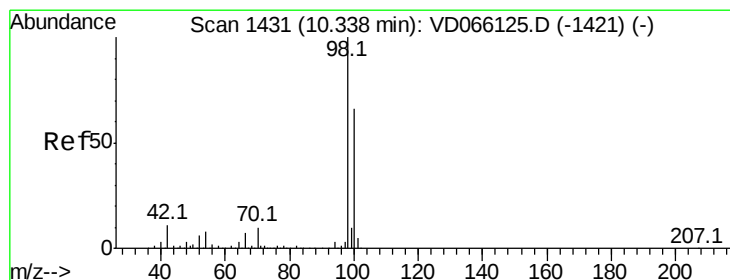
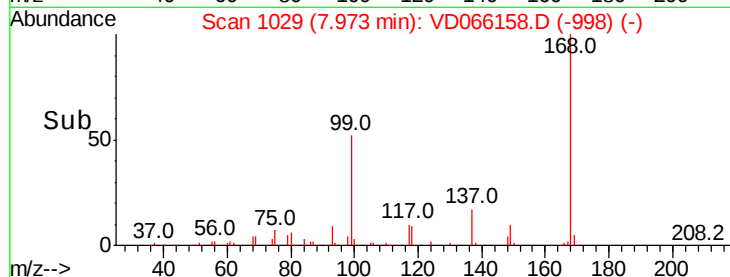
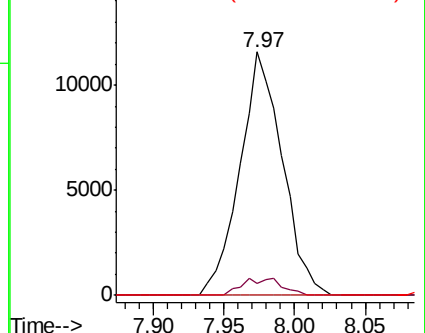
121 0.0 24.8 37.2#



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: 52.970 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066158.D

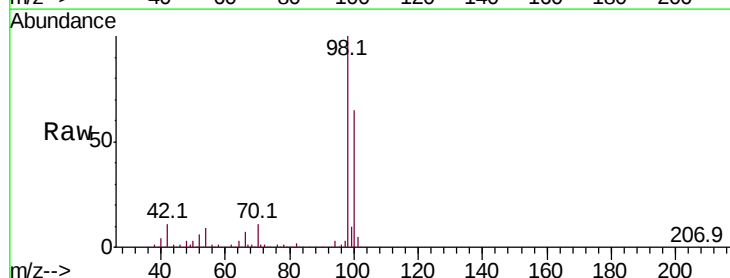
Acq: 07 Aug 2020 15:25

Tgt Ion: 98 Resp: 567795

Ion Ratio Lower Upper

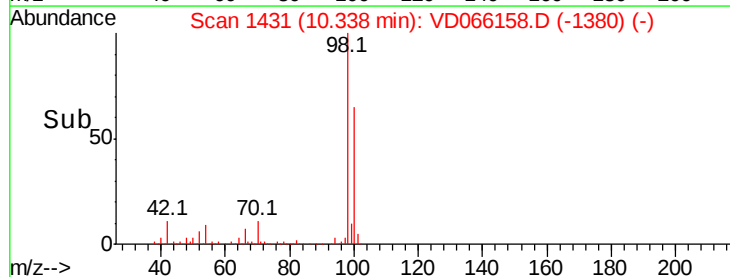
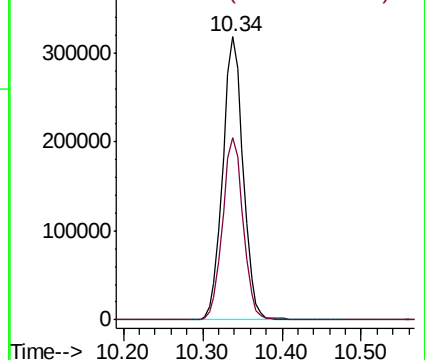
98 100

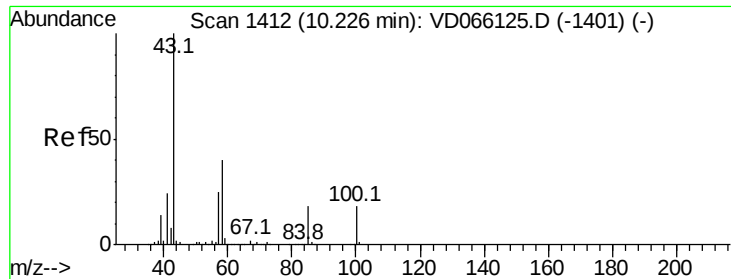
100 64.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.401 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

Instrument :

MSVOA_D

ClientSampled :

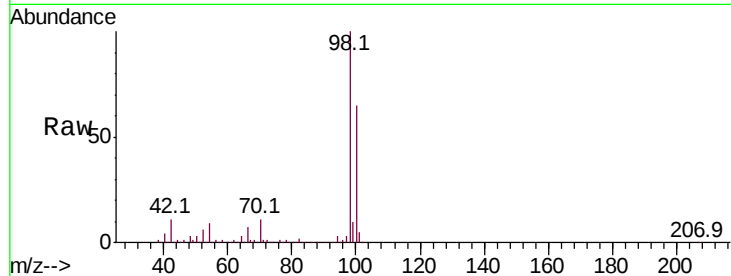
VOC

Tot Ion: 43 Resp: 2421

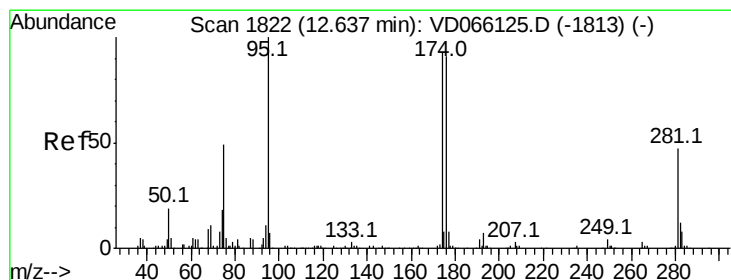
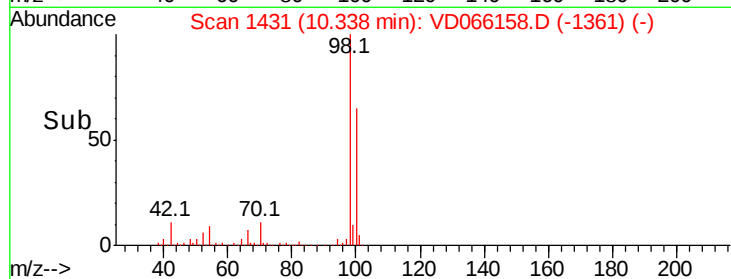
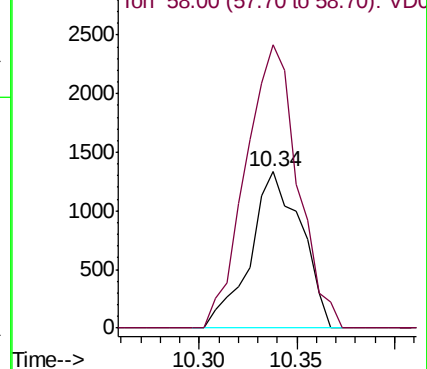
Ion Ratio Lower Upper

43 100

58 184.7 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#62

4-Bromofluorobenzene

Concen: 63.068 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

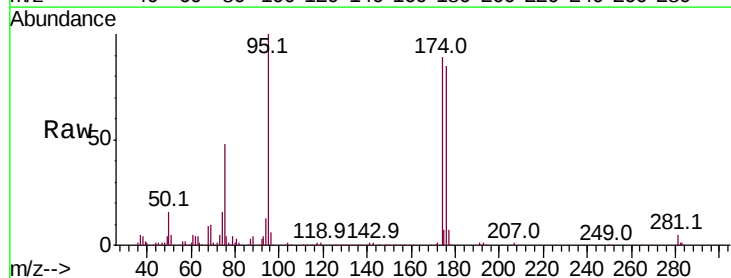
Tgt Ion: 95 Resp: 243684

Ion Ratio Lower Upper

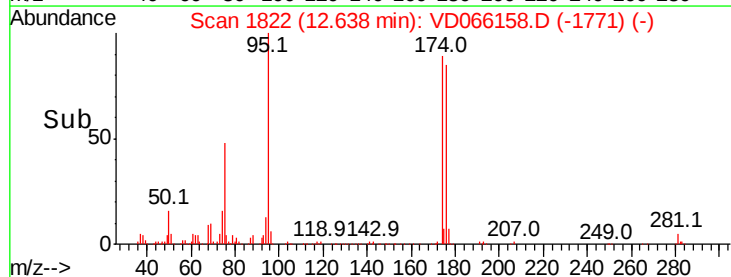
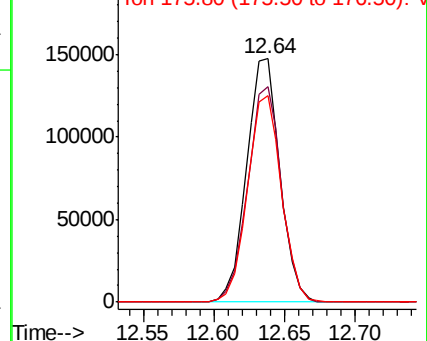
95 100

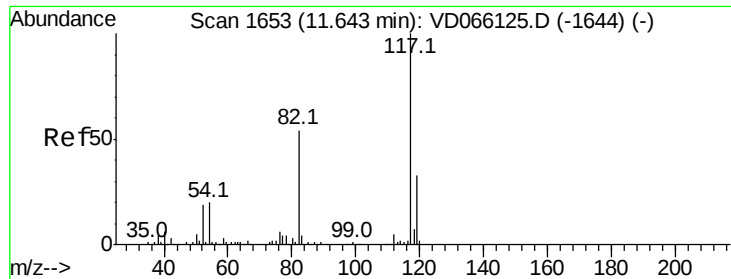
174 89.7 0.0 180.8

176 86.5 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

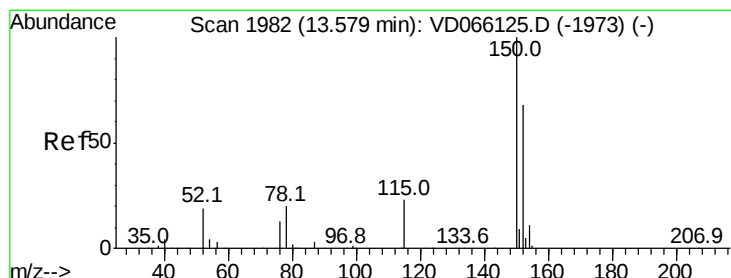
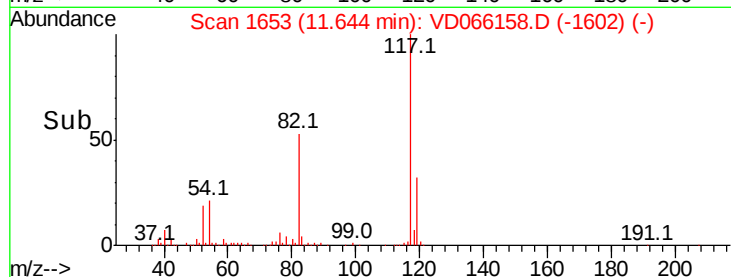
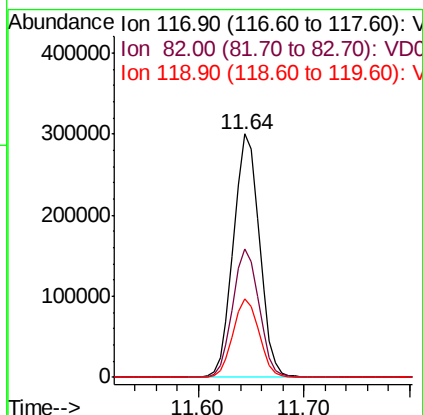
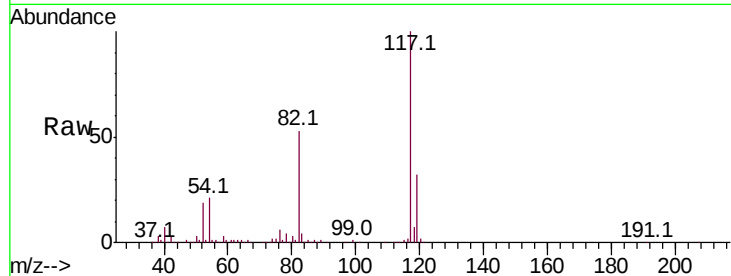




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066158.D
Acq: 07 Aug 2020 15:25

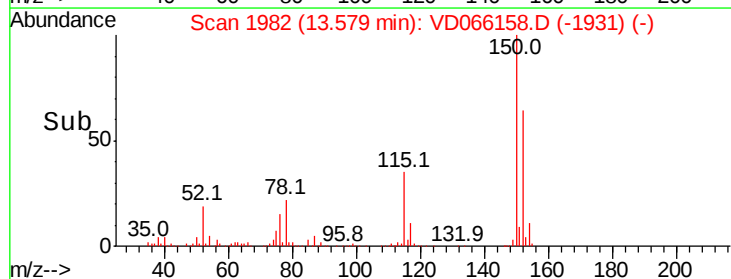
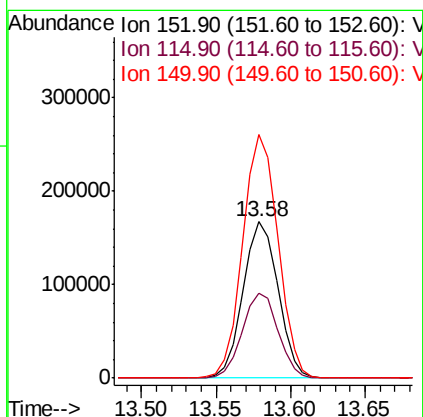
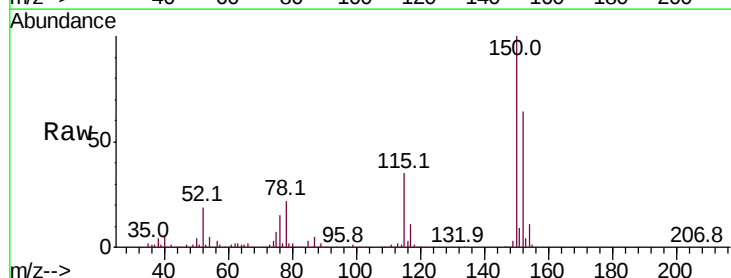
Instrument :
MSVOA_D
ClientSampleId :
VOC

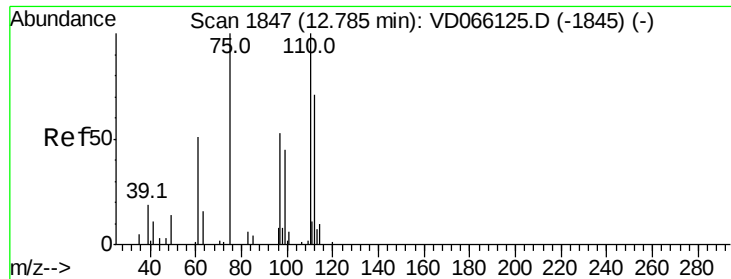
Tot Ion:117 Resp: 512092
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066158.D
Acq: 07 Aug 2020 15:25

Tgt Ion:152 Resp: 271510
Ion Ratio Lower Upper
152 100
115 55.6 28.0 83.9
150 157.4 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 52.244 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

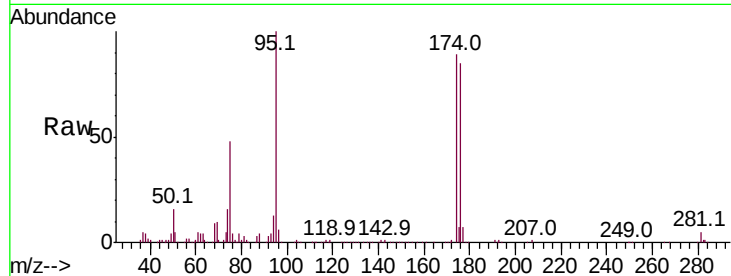
VOC

Tot Ion: 75 Resp: 118290

Ion Ratio Lower Upper

75 100

77 1.2 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

80000

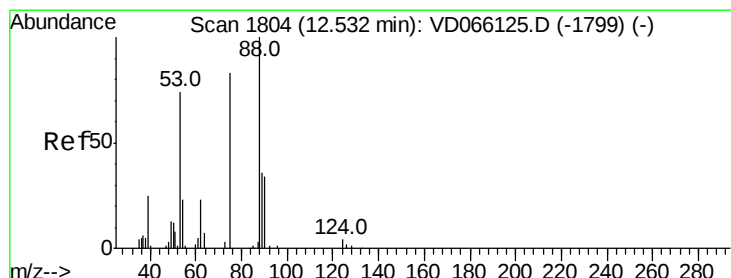
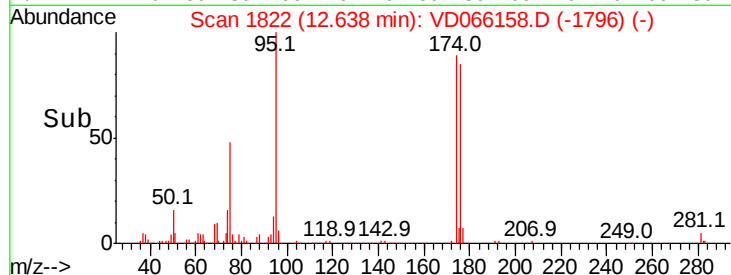
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 115.488 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066158.D

Acq: 07 Aug 2020 15:25

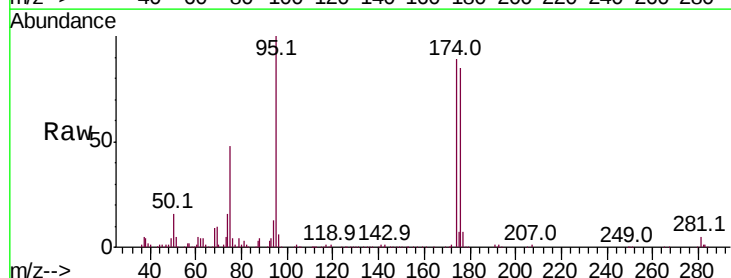
Tgt Ion: 75 Resp: 118290

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



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

12.64

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

