

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067390.D
 Acq On : 26 Oct 2020 14:12
 Operator : VA/SY
 Sample : L4513-02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Oct 27 00:52:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	311046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233149	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	155599	49.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.86%	
35) Dibromofluoromethane	7.92	113	162261	48.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.48%	
50) Toluene-d8	10.34	98	593583	48.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.64	95	208434	49.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.48%	

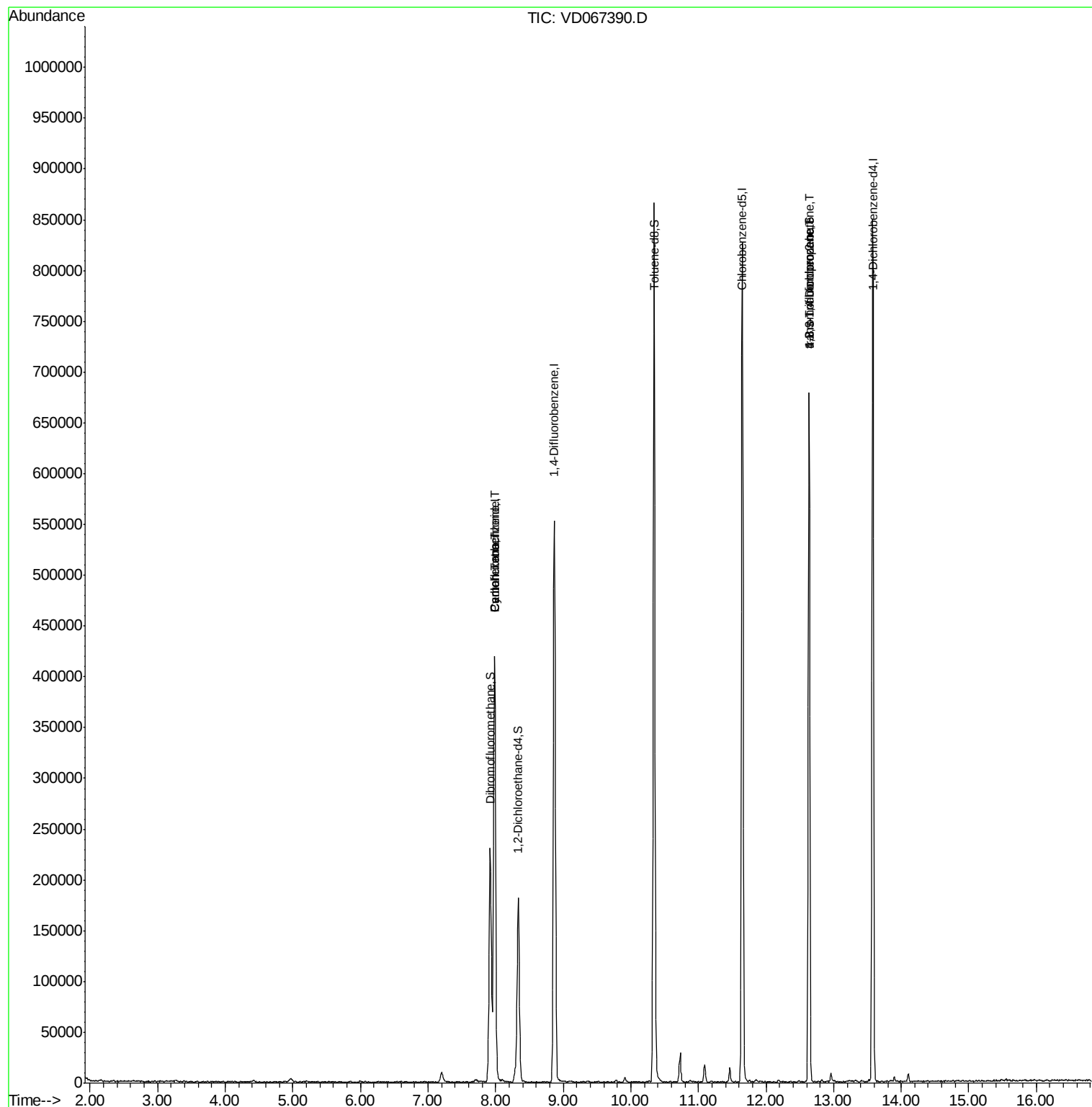
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	491	Below Cal		96
5) Bromomethane	2.78	94	284	Below Cal	#	58
11) Tert butyl alcohol	5.24	59	156	Below Cal	#	81
20) Methylene Chloride	4.96	84	3541	Below Cal	#	81
31) Cyclohexane	7.99	56	6292	1.753	ug/l #	29
38) Carbon Tetrachloride	7.99	117	33160	6.056	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	107114	66.286	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107114	150.316	ug/l #	10

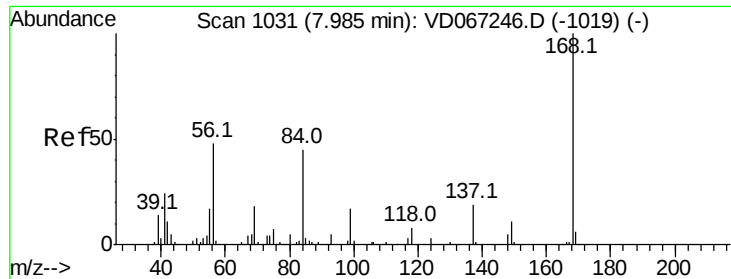
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067390.D

Acq: 26 Oct 2020 14:12

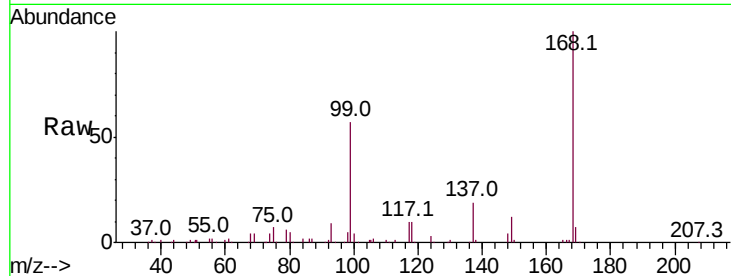
Instrument :
MSVOA_D
ClientSampleId :
VOC

Tot Ion:168 Resp: 311046

Ion Ratio Lower Upper

168 100

99 57.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

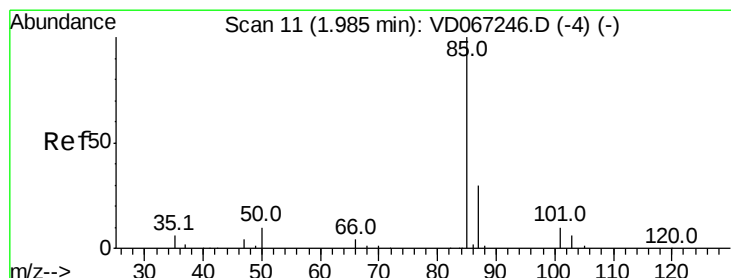
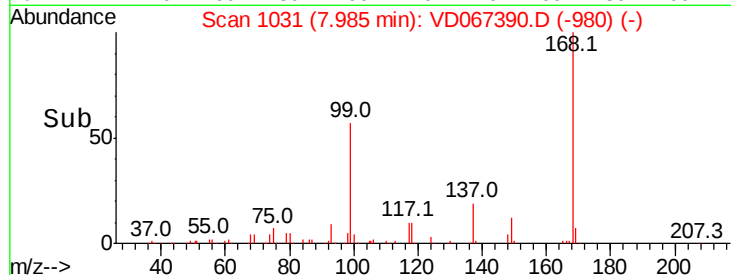
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067390.D

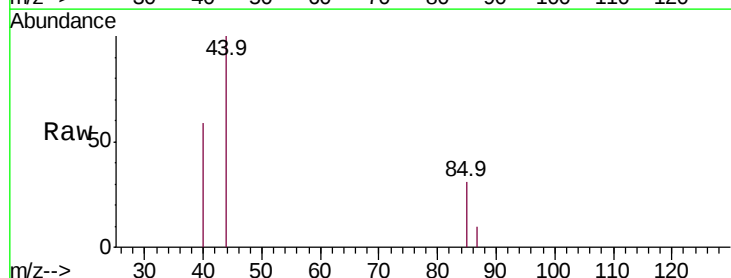
Acq: 26 Oct 2020 14:12

Tgt Ion: 85 Resp: 491

Ion Ratio Lower Upper

85 100

87 32.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

300

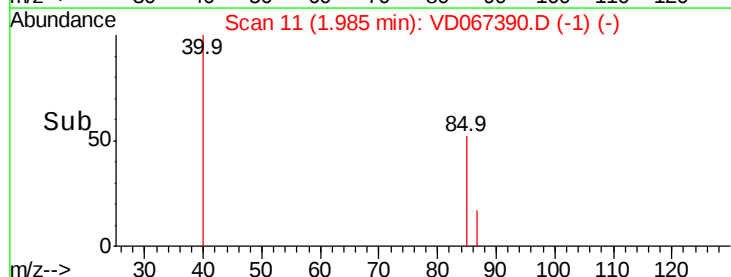
200

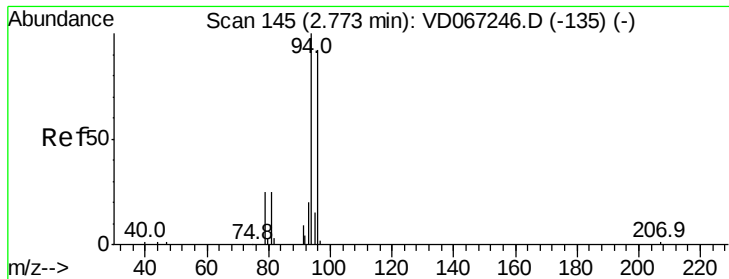
100

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067390.D

Acq: 26 Oct 2020 14:12

Instrument :

MSVOA_D

ClientSampled :

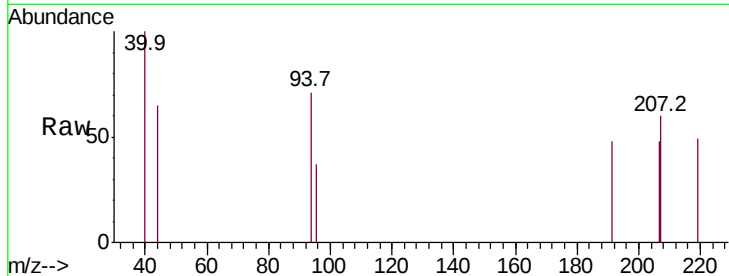
VOC

Tot Ion: 94 Resp: 284

Ion Ratio Lower Upper

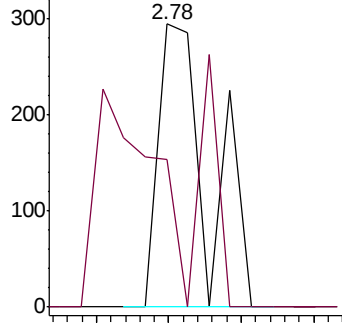
94 100

96 52.4 73.8 110.6#

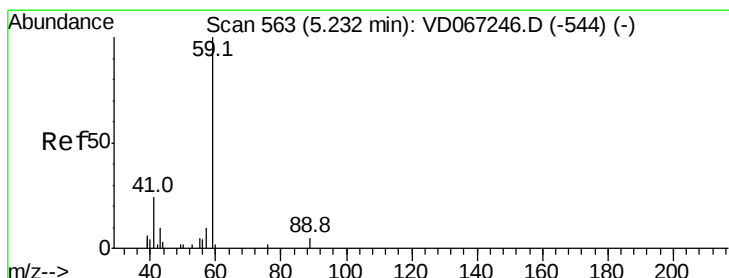
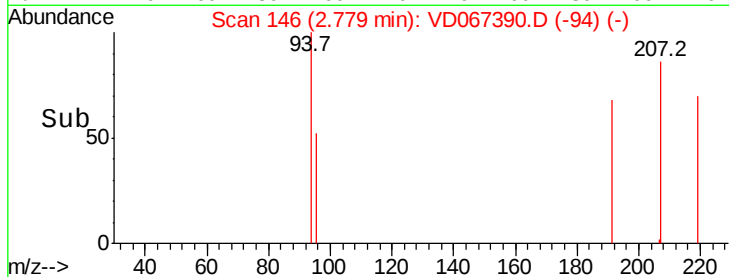


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 565

Delta R.T. 0.01 min

Lab File: VD067390.D

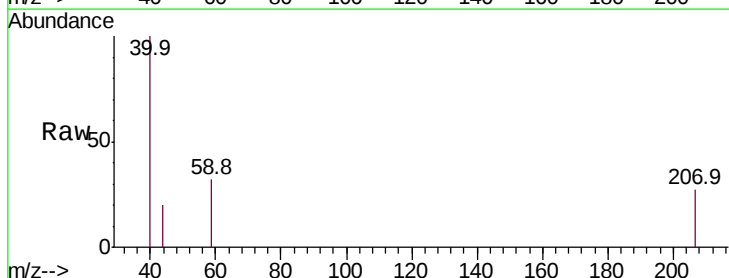
Acq: 26 Oct 2020 14:12

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

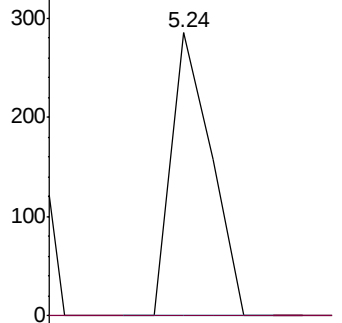
59 100

57 0.0 5.1 7.7#

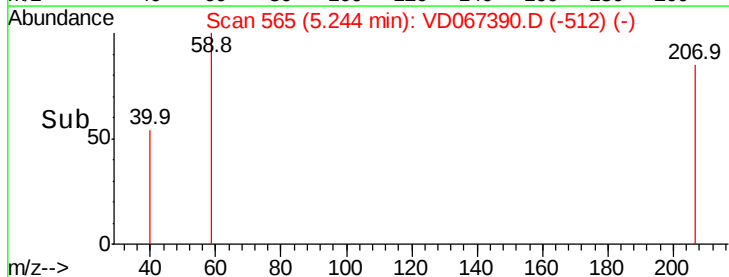


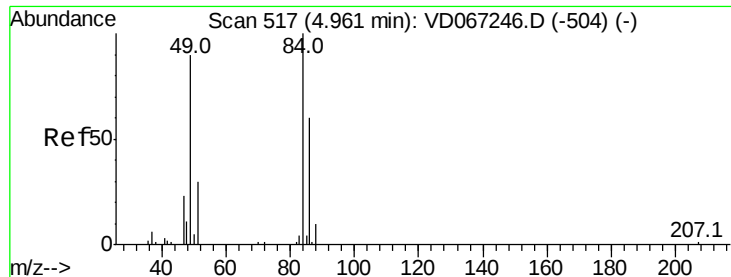
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067390.D

Acq: 26 Oct 2020 14:12

Instrument :

MSVOA_D

ClientSampleId :

VOC

Tot Ion: 84 Resp: 3541

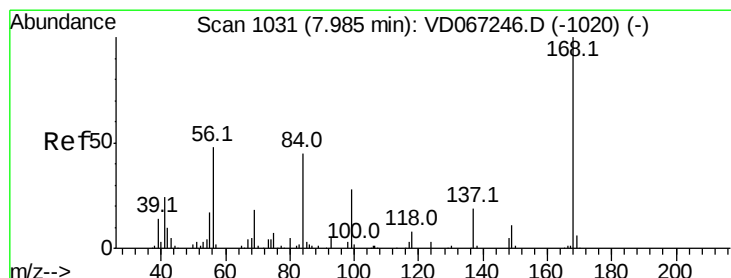
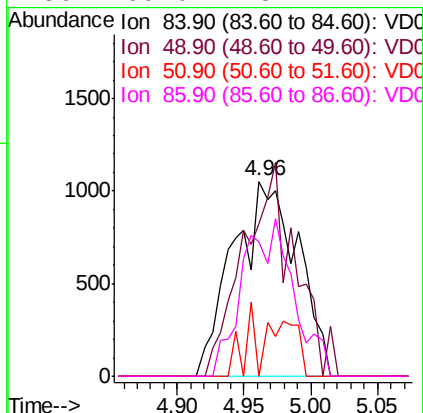
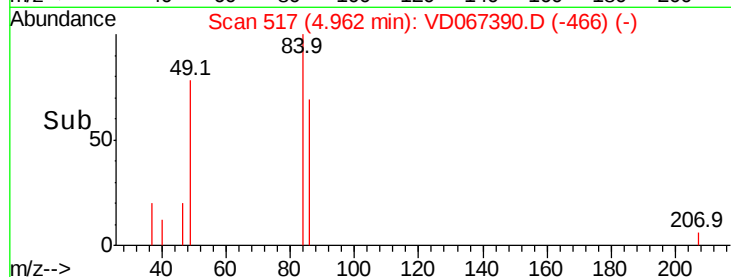
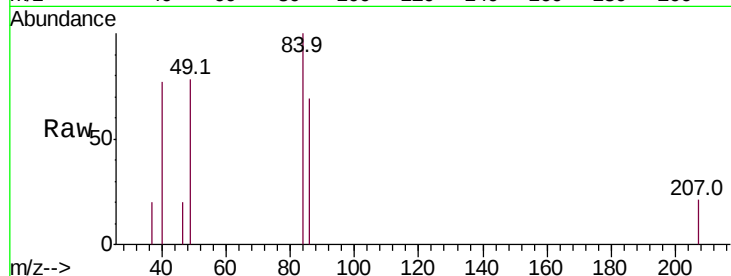
Ion Ratio Lower Upper

84 100

49 78.4 72.2 108.2

51 0.0 23.8 35.8#

86 69.0 48.2 72.4



#31

Cyclohexane

Concen: 1.753 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067390.D

Acq: 26 Oct 2020 14:12

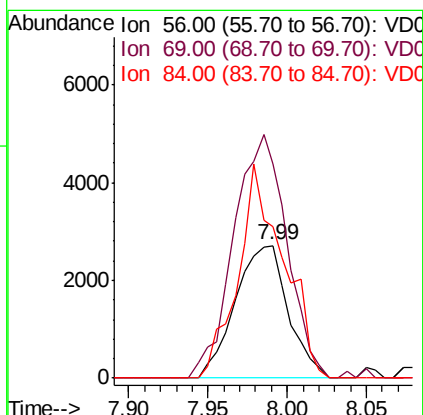
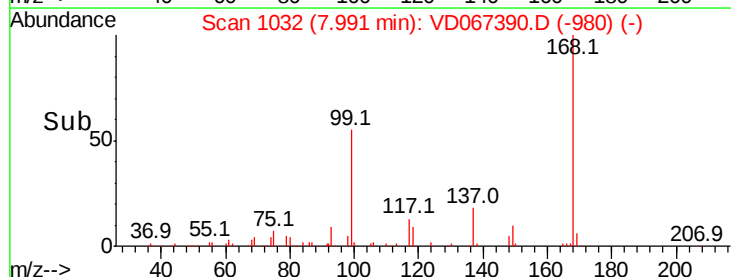
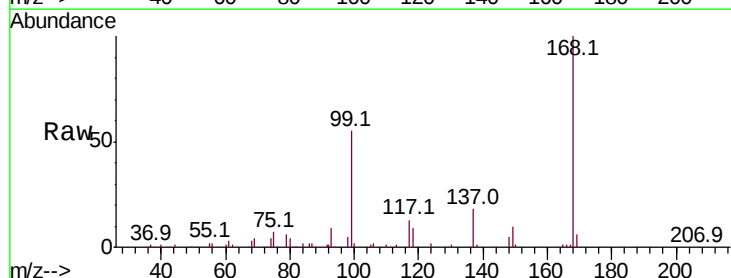
Tgt Ion: 56 Resp: 6292

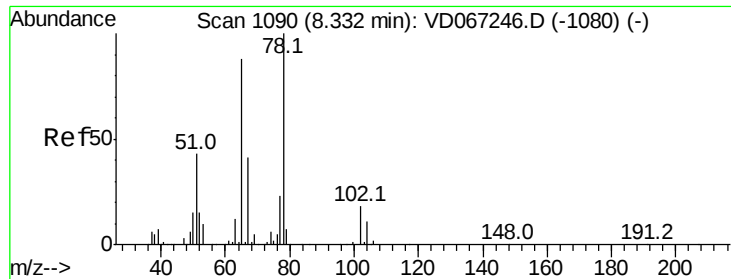
Ion Ratio Lower Upper

56 100

69 161.1 29.8 44.6#

84 113.8 76.6 114.8





#33

1,2-Dichloroethane-d4

Concen: 49.932 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067390.D

Acq: 26 Oct 2020 14:12

Instrument :

MSVOA_D

ClientSampleId :

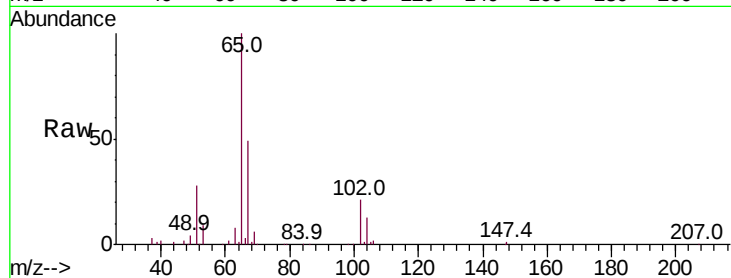
VOC

Tot Ion: 65 Resp: 155599

Ion Ratio Lower Upper

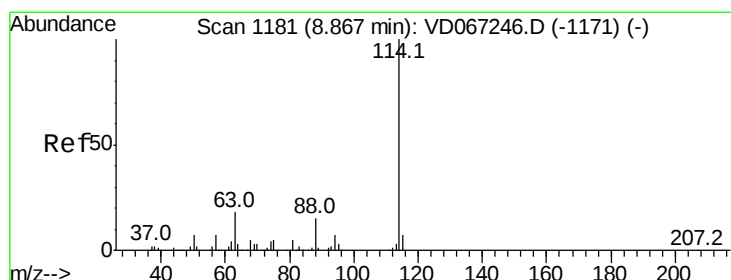
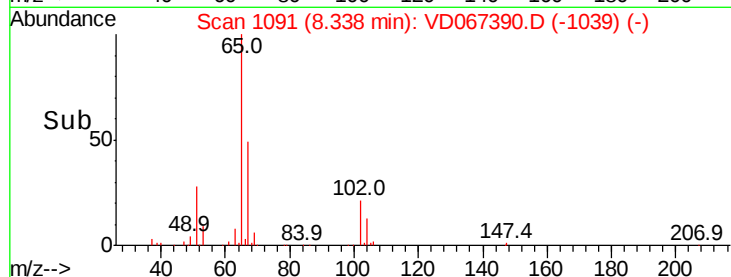
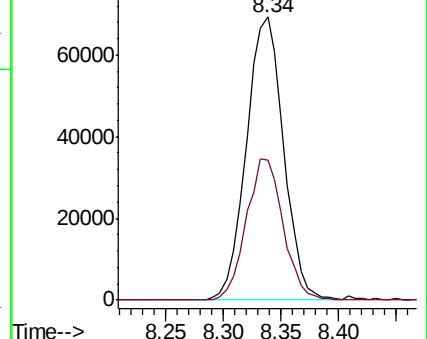
65 100

67 49.6 0.0 103.8



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: VD067390.D

Acq: 26 Oct 2020 14:12

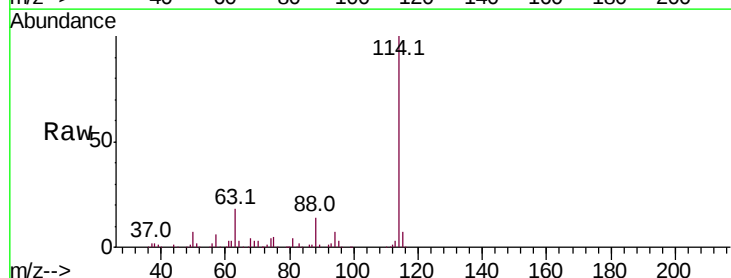
Tgt Ion: 114 Resp: 505454

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

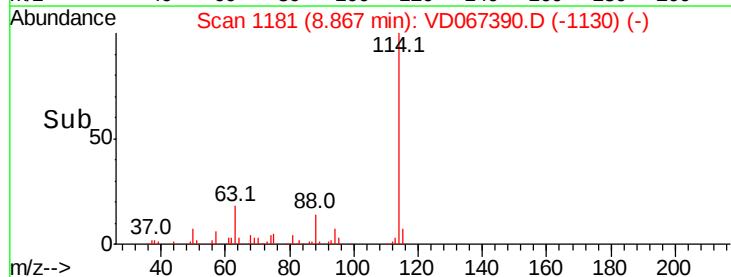
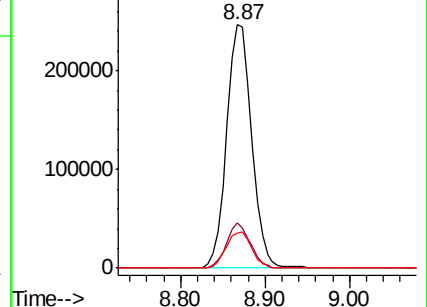
88 14.3 0.0 30.6

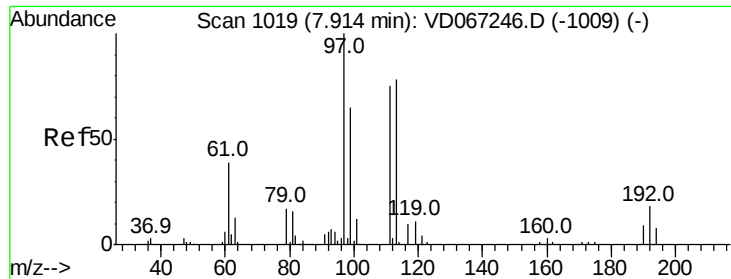


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

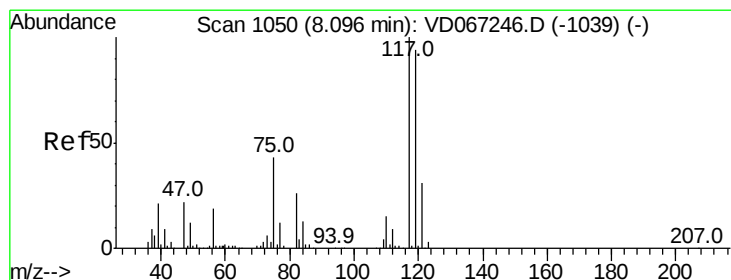
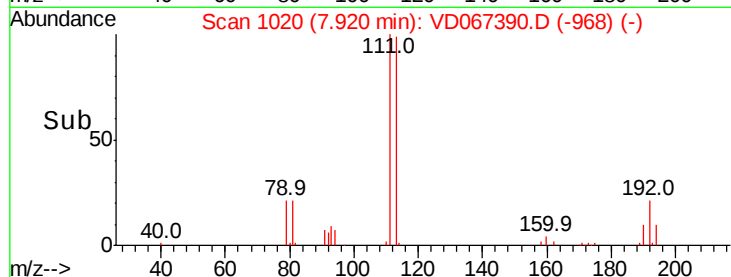
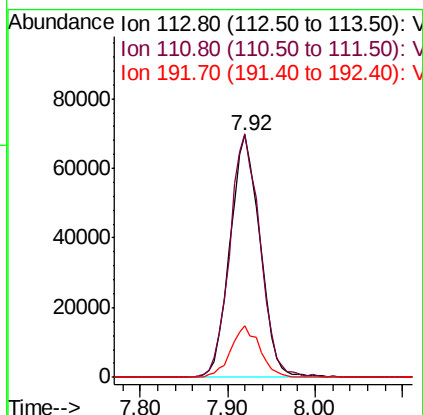
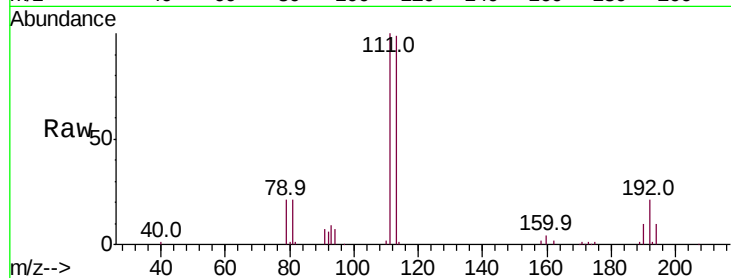




#35
 Dibromofluoromethane
 Concen: 48.237 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067390.D
 Acq: 26 Oct 2020 14:12

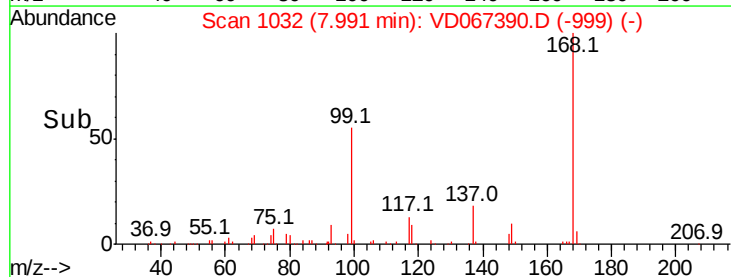
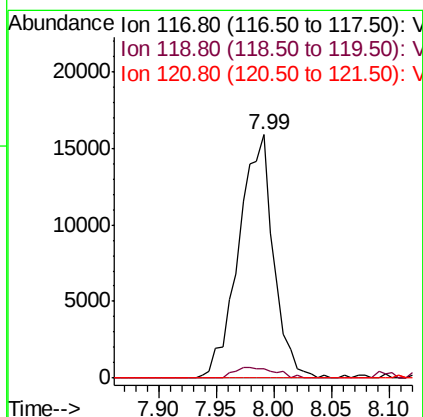
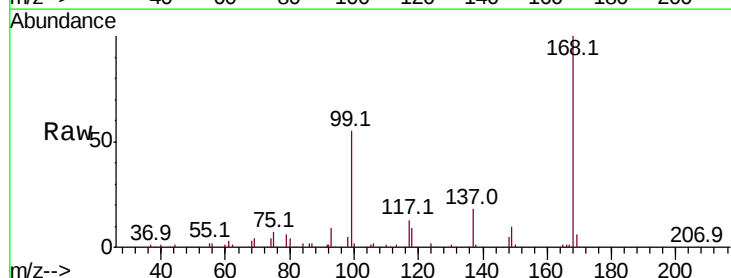
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

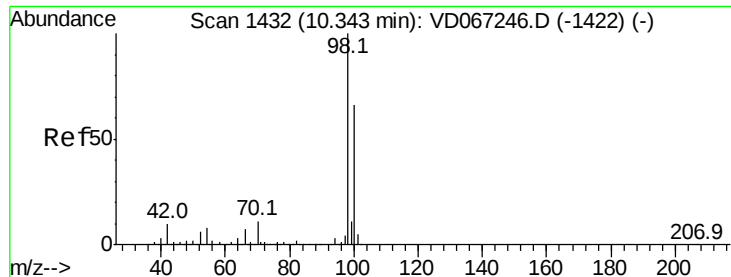
Tot Ion:113 Resp: 162261
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.6 122.4
 192 20.5 17.0 25.4



#38
 Carbon Tetrachloride
 Concen: 6.056 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD067390.D
 Acq: 26 Oct 2020 14:12

Tgt Ion:117 Resp: 33160
 Ion Ratio Lower Upper
 117 100
 119 3.8 75.0 112.4#
 121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 48.761 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067390.D

Acq: 26 Oct 2020 14:12

Instrument :

MSVOA_D

ClientSampleId :

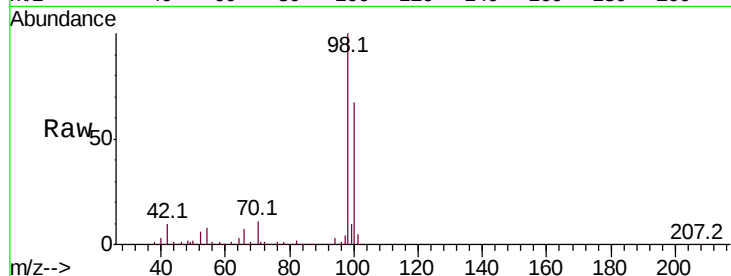
VOC

Tot Ion: 98 Resp: 593583

Ion Ratio Lower Upper

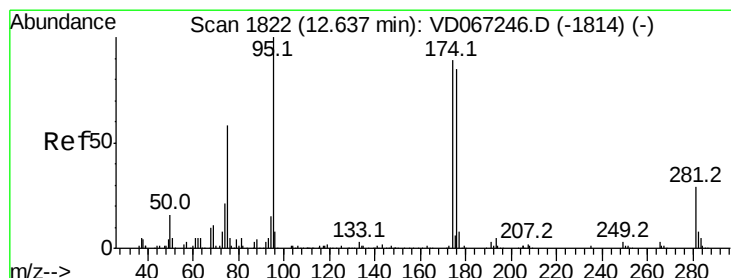
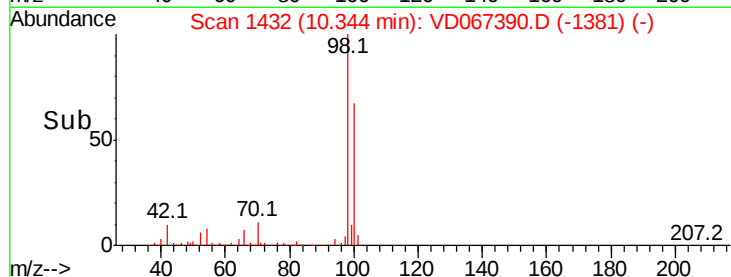
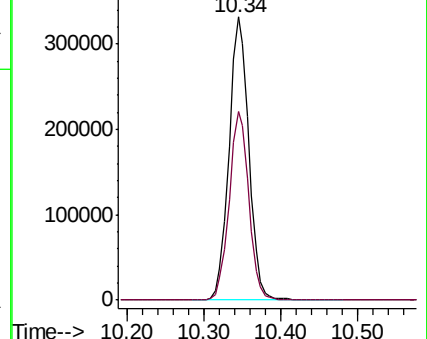
98 100

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



#62

4-Bromofluorobenzene

Concen: 49.241 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067390.D

Acq: 26 Oct 2020 14:12

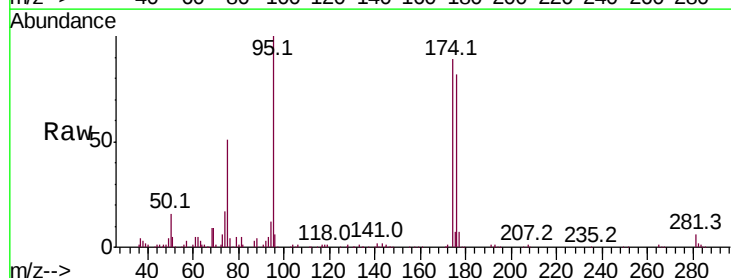
Tgt Ion: 95 Resp: 208434

Ion Ratio Lower Upper

95 100

174 90.2 0.0 175.2

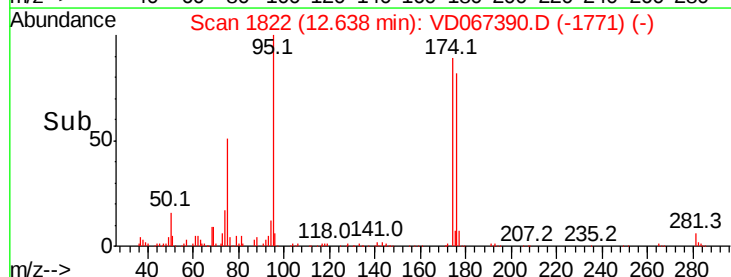
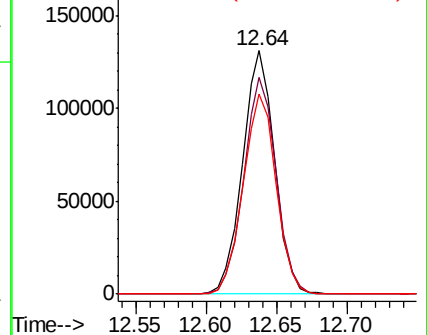
176 84.2 0.0 168.6

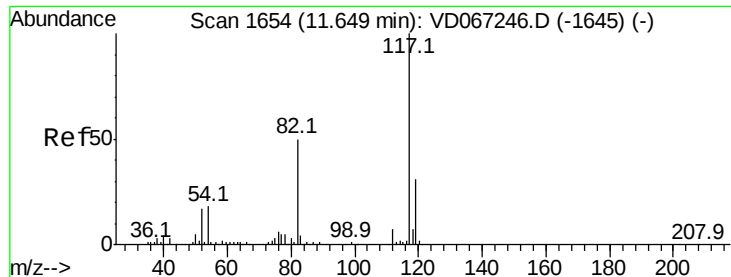


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

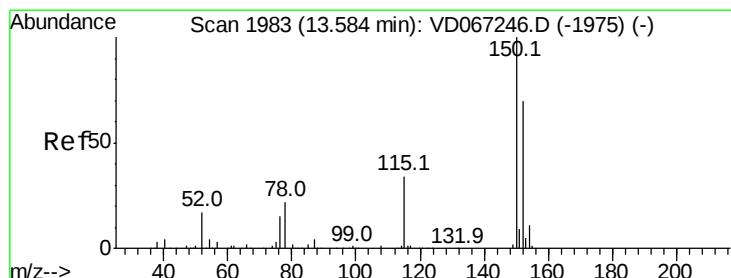
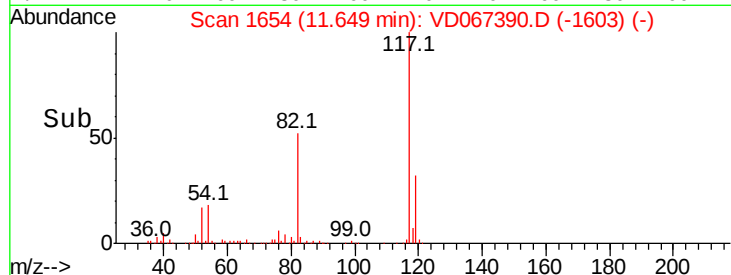
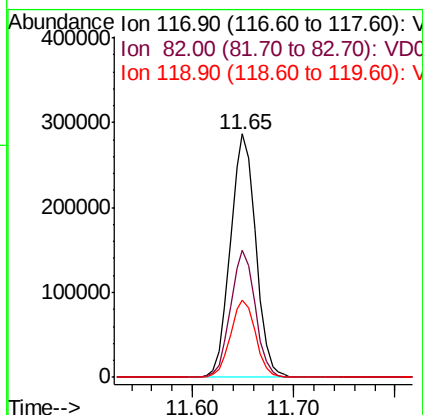
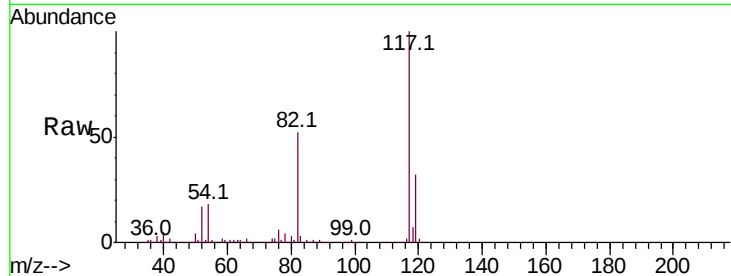




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067390.D
Acq: 26 Oct 2020 14:12

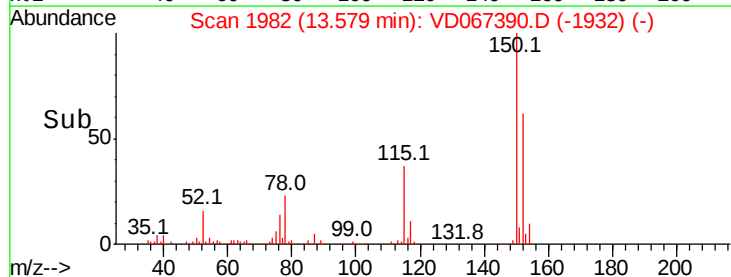
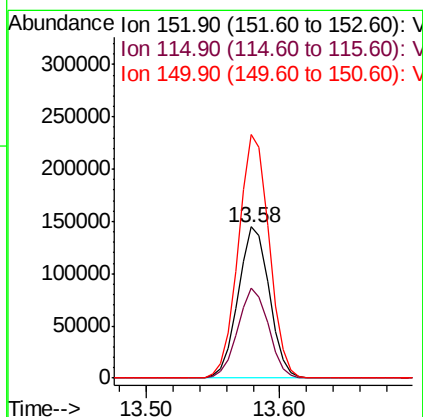
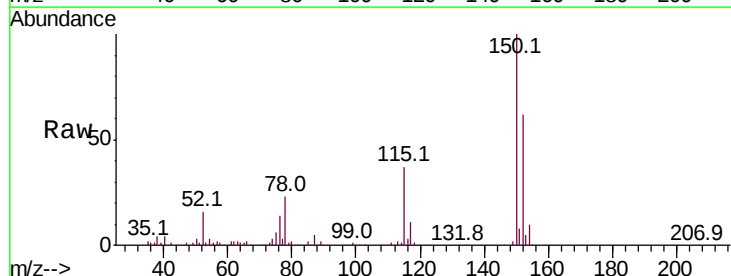
Instrument :
MSVOA_D
ClientSampleId :
VOC

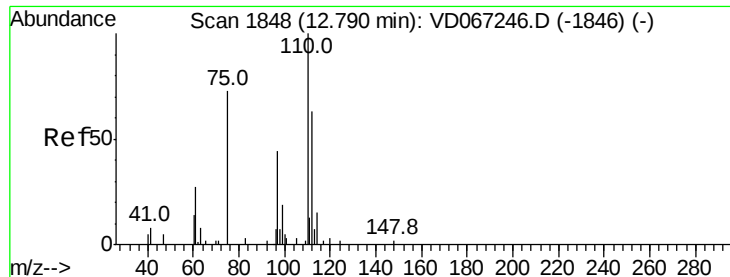
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	39.9	59.9
119	31.8	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067390.D
Acq: 26 Oct 2020 14:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	87.9
150	159.4	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 66.286 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067390.D

Acq: 26 Oct 2020 14:12

Instrument :

MSVOA_D

ClientSampleId :

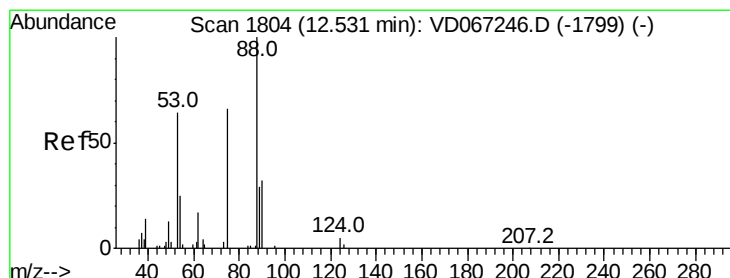
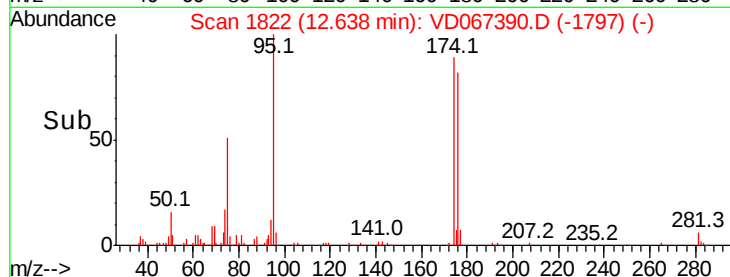
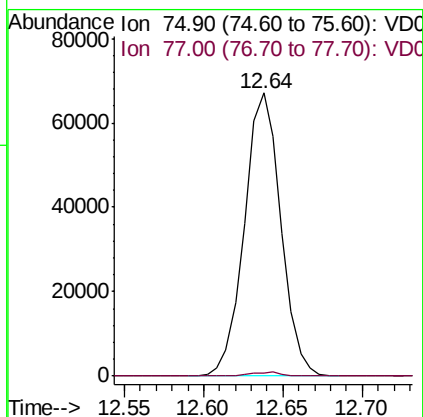
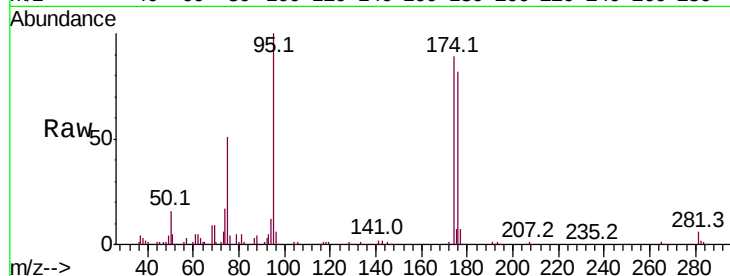
VOC

Tot Ion: 75 Resp: 107114

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.316 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067390.D

Acq: 26 Oct 2020 14:12

Tgt Ion: 75 Resp: 107114

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.2 39.9 59.9#

