

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066530.D
 Acq On : 02 Sep 2020 18:38
 Operator : VA/SY
 Sample : L3876-01
 Misc : 1.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1500

Quant Time: Sep 03 03:43:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	132098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	188152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	155933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	69484	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	75113	52.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.74%	
35) Dibromofluoromethane	7.91	113	58085	51.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.66%	
50) Toluene-d8	10.34	98	209920	49.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.63	95	61977	40.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.84%	

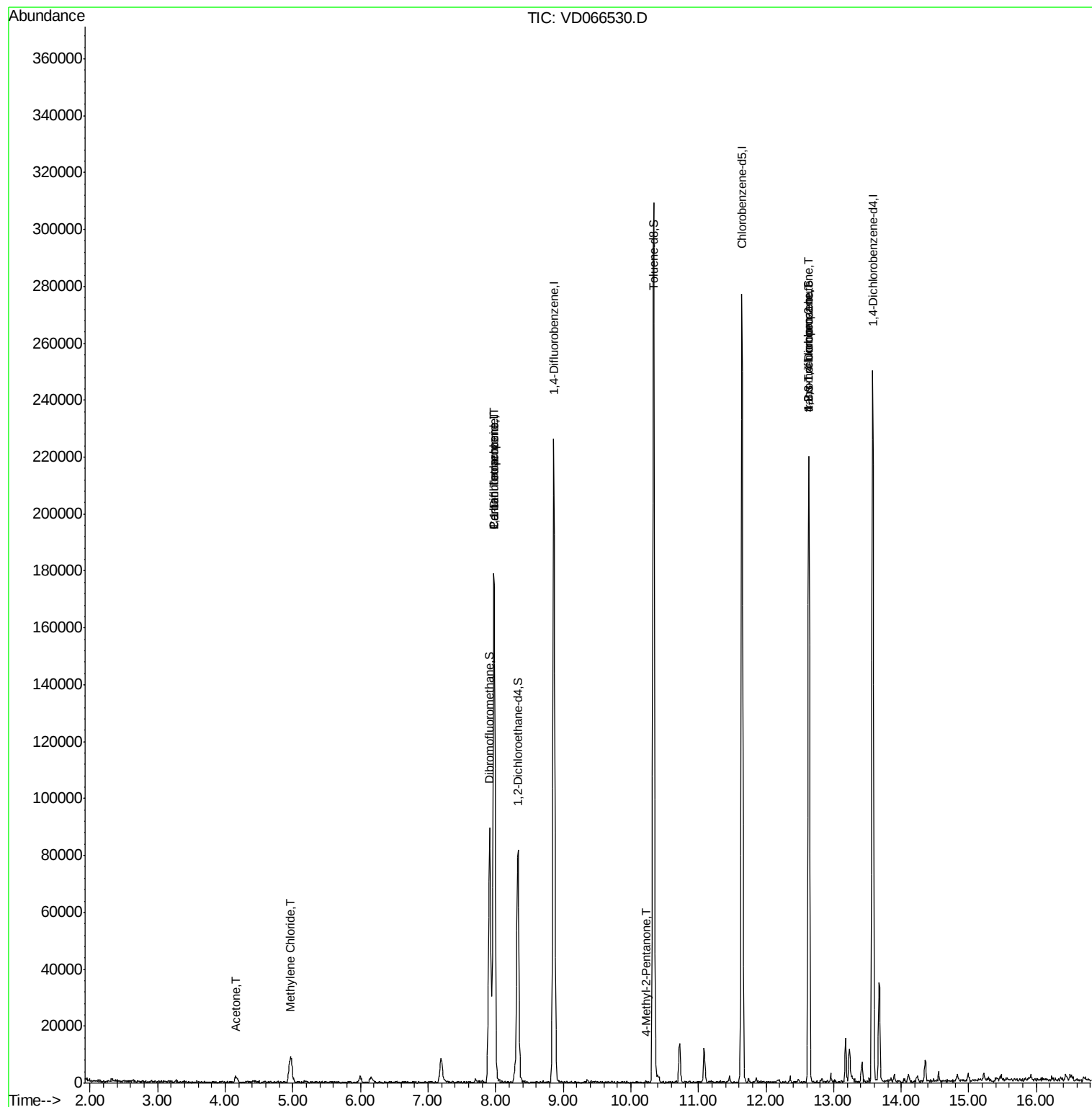
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	137	Below Cal	#	76
16) Acetone	4.16	43	3806	18.115	ug/l	98
20) Methylene Chloride	4.97	84	7440	2.983	ug/l #	84
31) Cyclohexane	7.98	56	3037	Below Cal	#	30
36) 1,1-Dichloropropene	7.97	75	9282	5.628	ug/l #	54
38) Carbon Tetrachloride	7.98	117	13847	5.511	ug/l #	17
51) 4-Methyl-2-Pentanone	10.23	43	480	1.007	ug/l #	55
76) 1,2,3-Trichloropropane	12.63	75	37297	85.328	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	37297	190.018	ug/l #	1

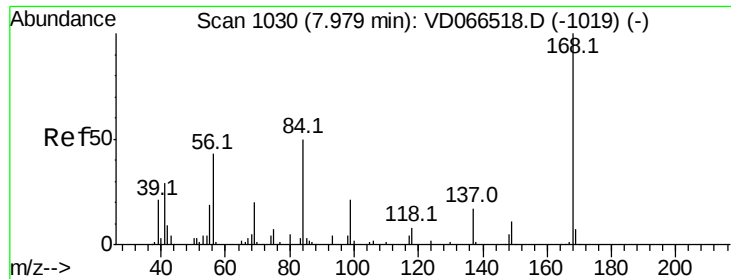
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090220\
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Instrument :
MSVOA_D
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1500

Quant Time: Sep 03 03:43:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 02 15:08:44 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: VD066530.D

Acq: 02 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampled :

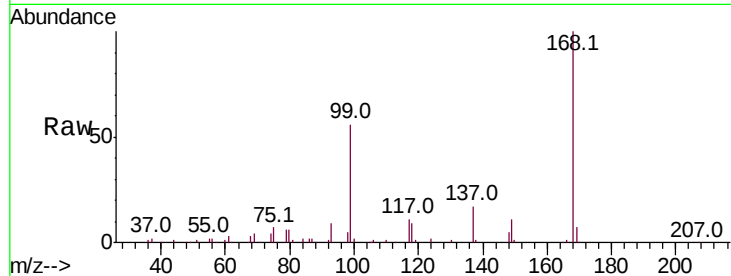
1500

Tot Ion:168 Resp: 132098

Ion Ratio Lower Upper

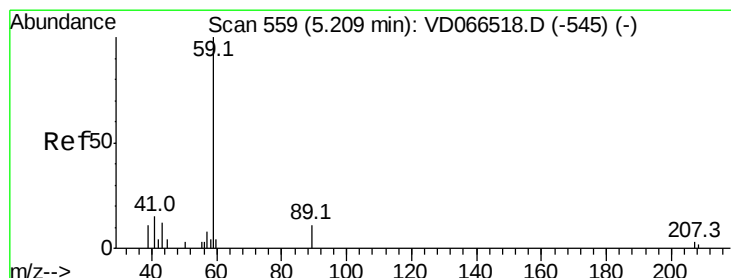
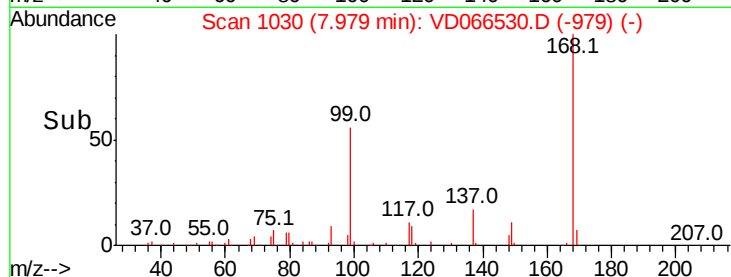
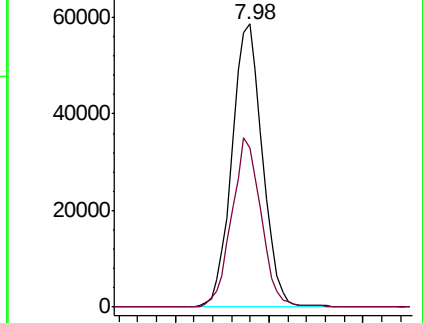
168 100

99 56.2 45.1 67.7



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: 5.21 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD066530.D

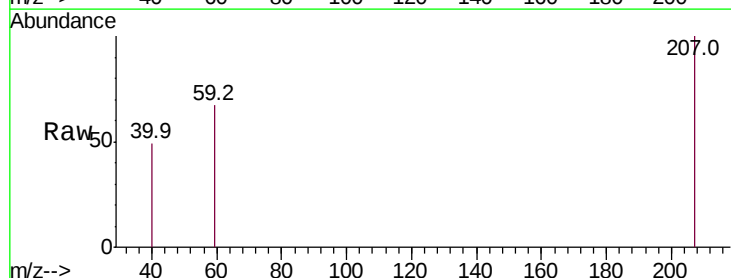
Acq: 02 Sep 2020 18:38

Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

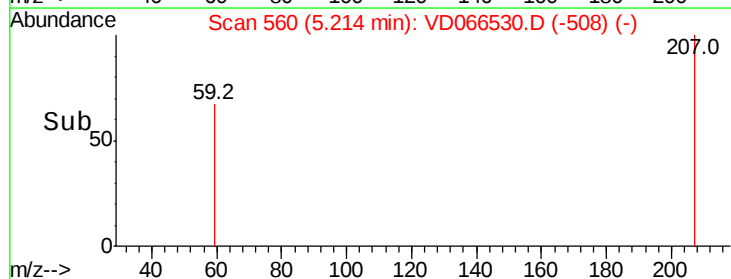
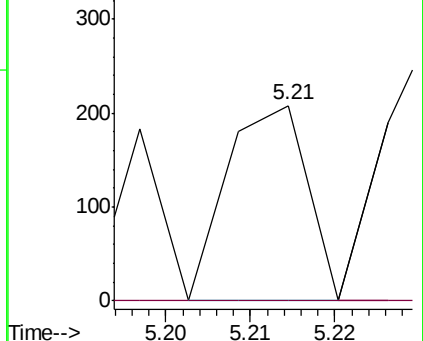
59 100

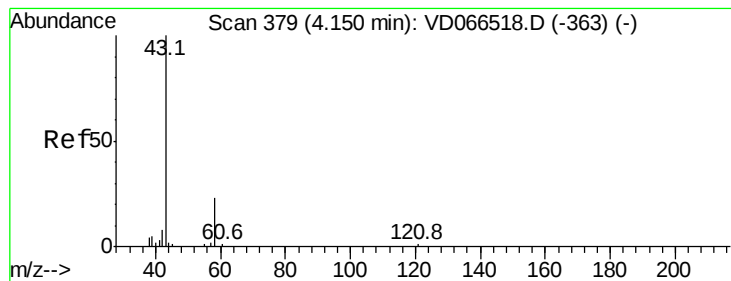
57 0.0 6.8 10.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 18.115 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

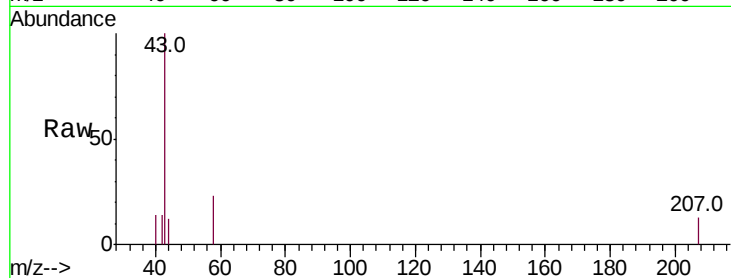
1500

Tot Ion: 43 Resp: 3806

Ion Ratio Lower Upper

43 100

58 23.4 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

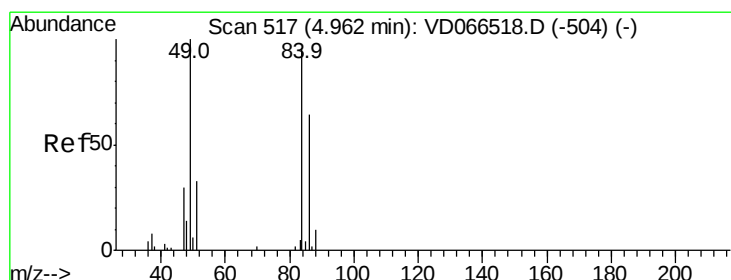
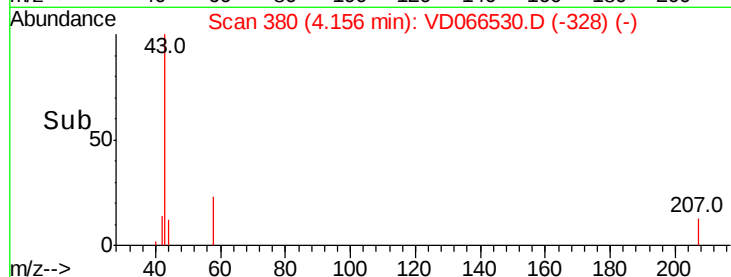
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 2.983 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

Tgt Ion: 84 Resp: 7440

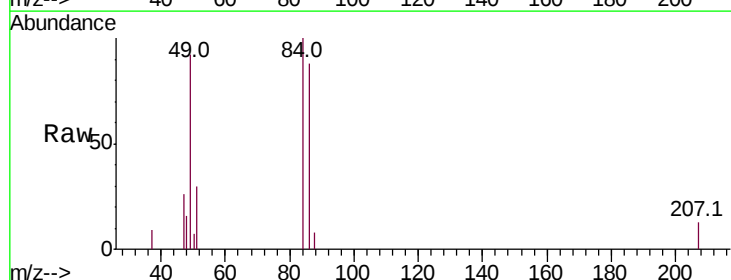
Ion Ratio Lower Upper

84 100

49 92.1 83.5 125.3

51 29.9 27.8 41.8

86 88.5 53.5 80.3#



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

4.97

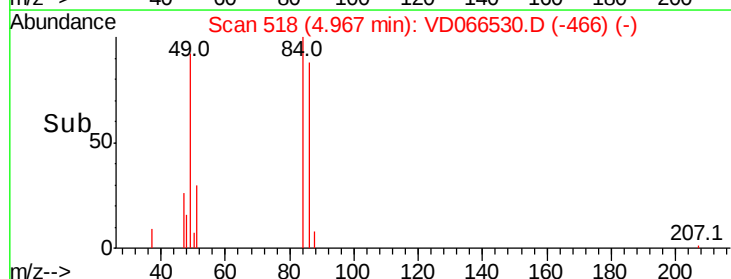
3000

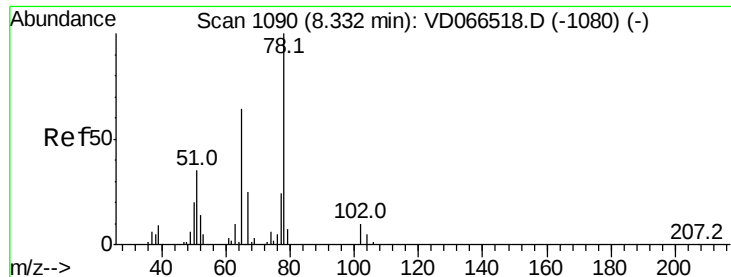
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.872 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

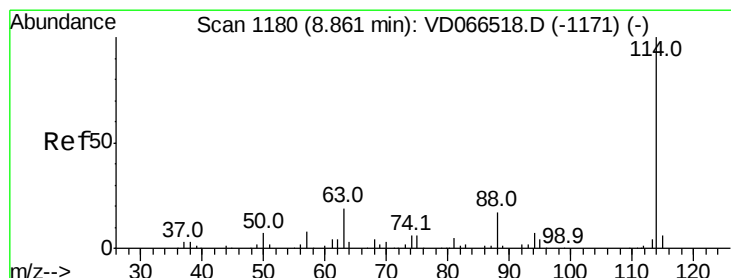
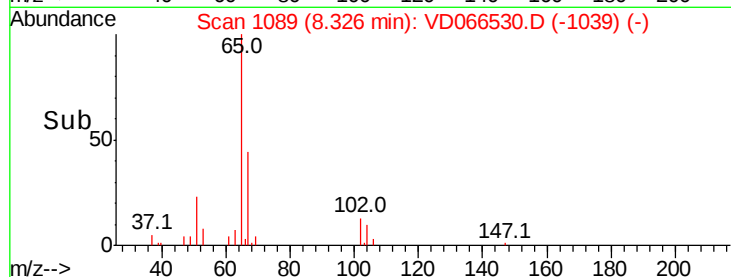
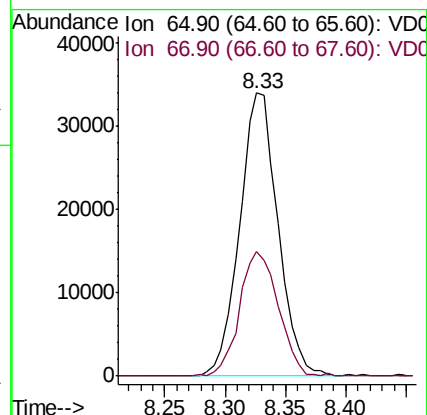
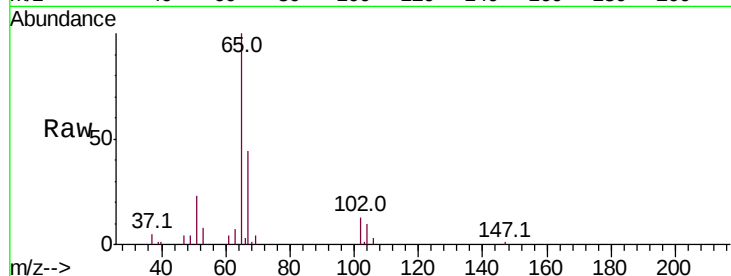
1500

Tot Ion: 65 Resp: 75113

Ion Ratio Lower Upper

65 100

67 44.6 0.0 88.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

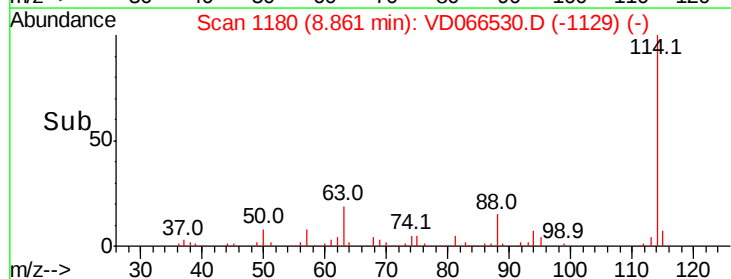
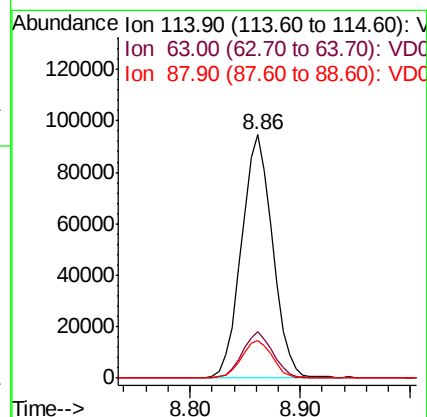
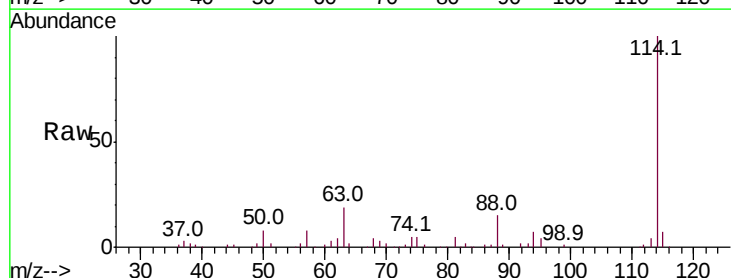
Tgt Ion: 114 Resp: 188152

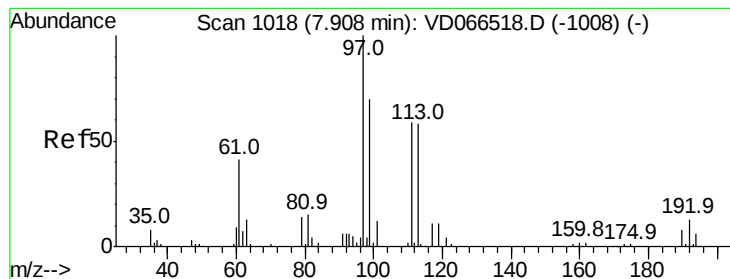
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 15.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.328 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

1500

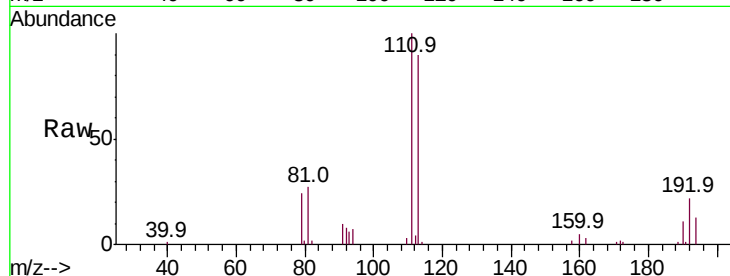
Tot Ion:113 Resp: 58085

Ion Ratio Lower Upper

113 100

111 104.1 82.5 123.7

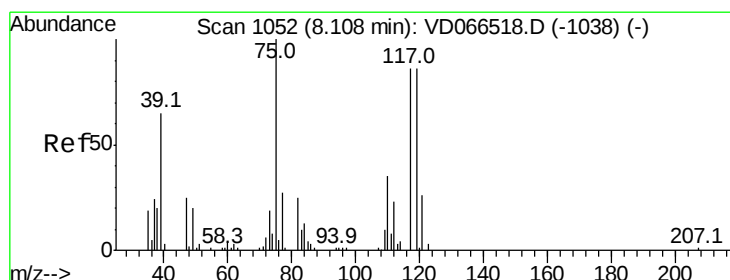
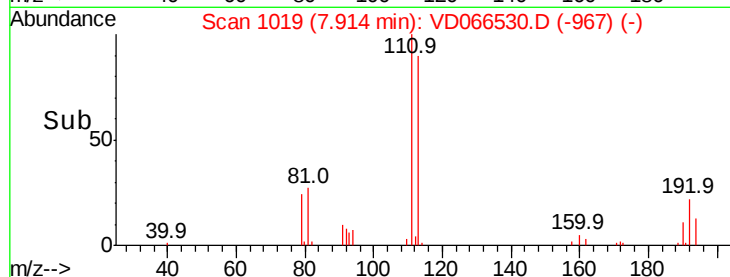
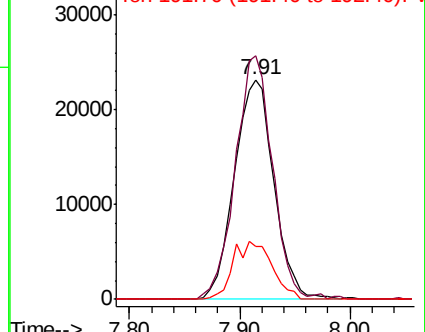
192 25.9 20.7 31.1



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



#36

1,1-Dichloropropene

Concen: 5.628 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

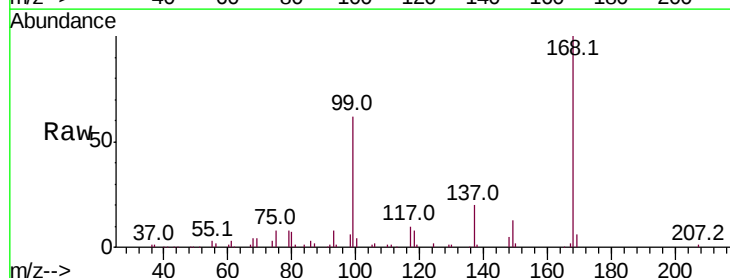
Tgt Ion: 75 Resp: 9282

Ion Ratio Lower Upper

75 100

110 14.0 18.4 55.2#

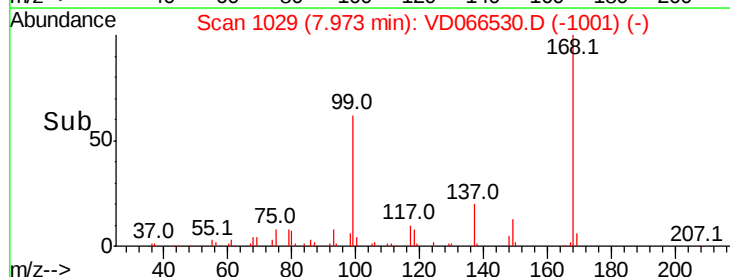
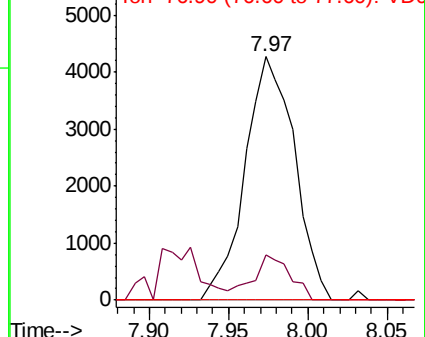
77 0.0 24.6 36.8#

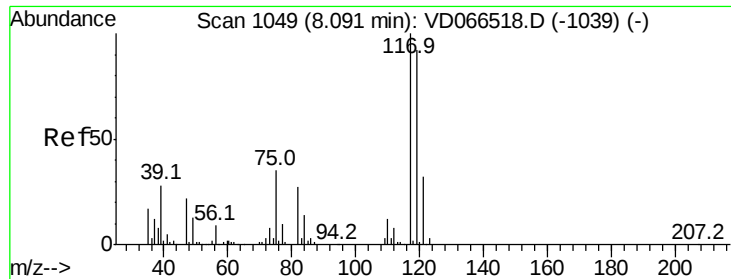


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.511 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampled :

1500

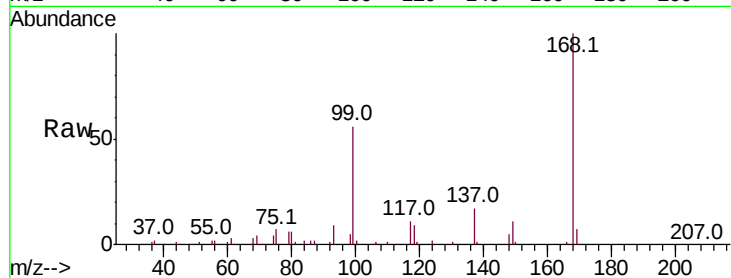
Tot Ion:117 Resp: 13847

Ion Ratio Lower Upper

117 100

119 4.9 73.9 110.9#

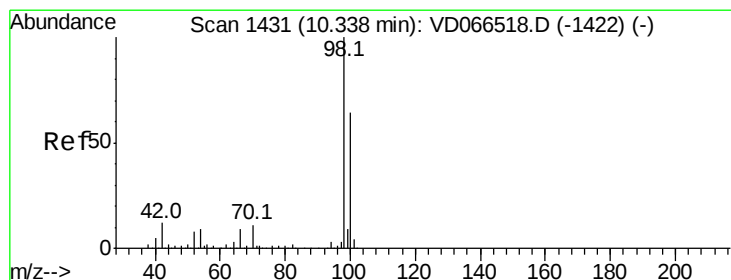
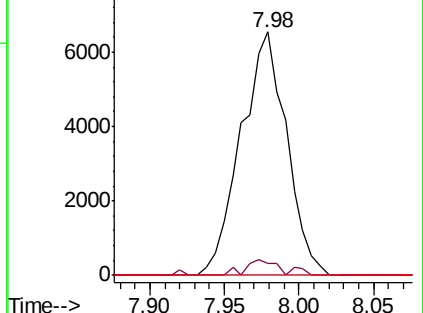
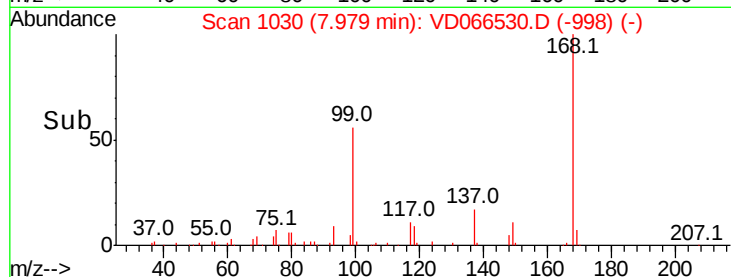
121 0.0 25.6 38.4#



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: 49.402 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066530.D

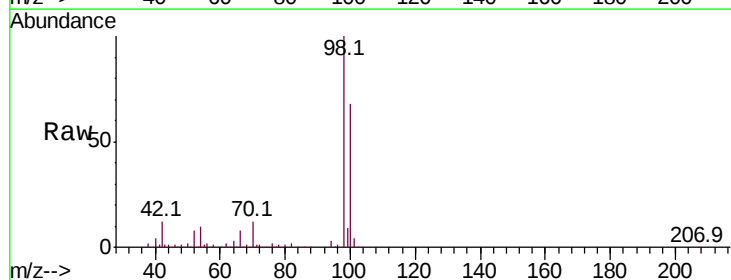
Acq: 02 Sep 2020 18:38

Tgt Ion: 98 Resp: 209920

Ion Ratio Lower Upper

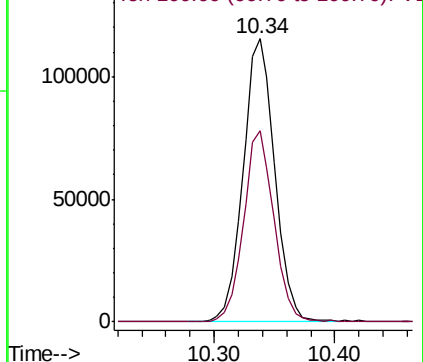
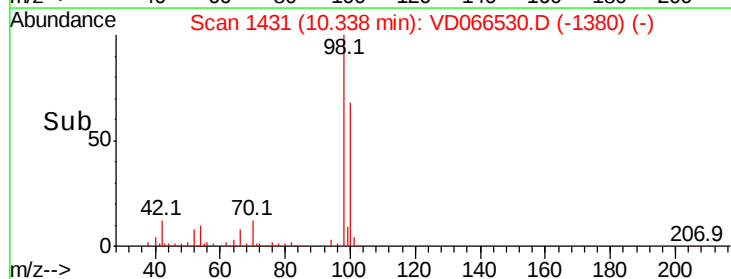
98 100

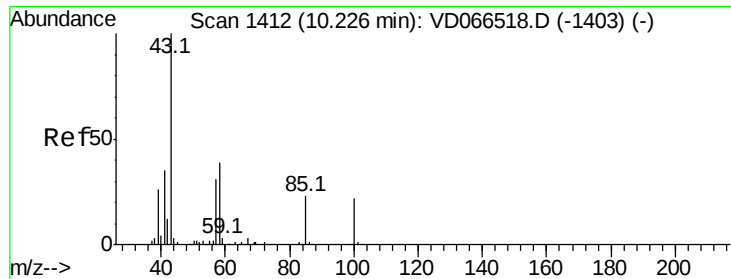
100 64.6 52.8 79.2



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: 1.007 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleID :

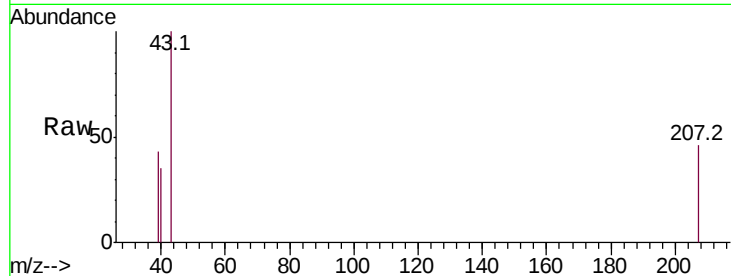
1500

Tot Ion: 43 Resp: 480

Ion Ratio Lower Upper

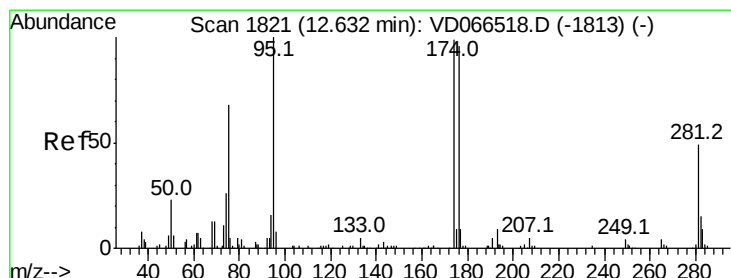
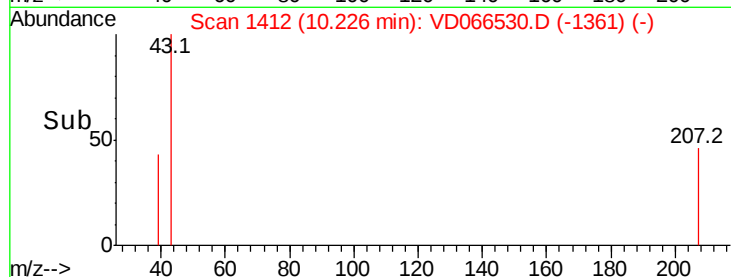
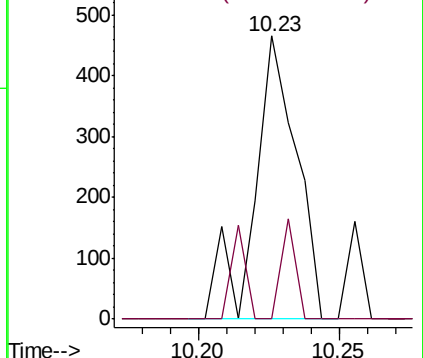
43 100

58 12.1 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 40.917 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

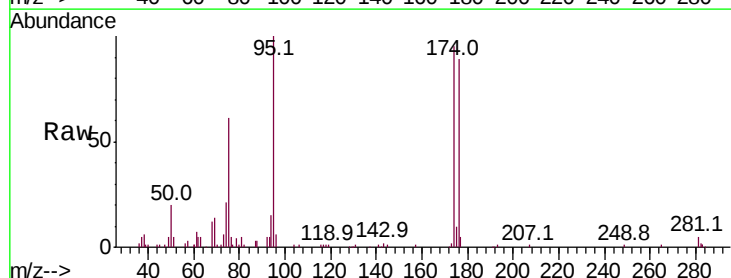
Tgt Ion: 95 Resp: 61977

Ion Ratio Lower Upper

95 100

174 98.2 0.0 203.2

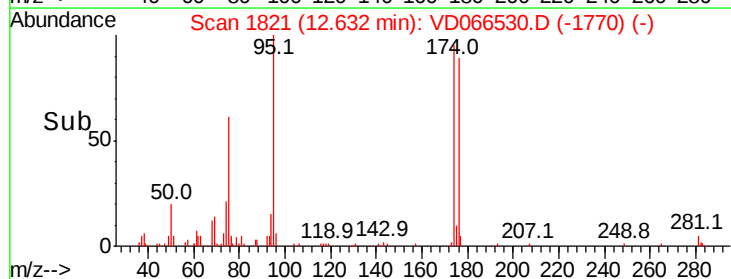
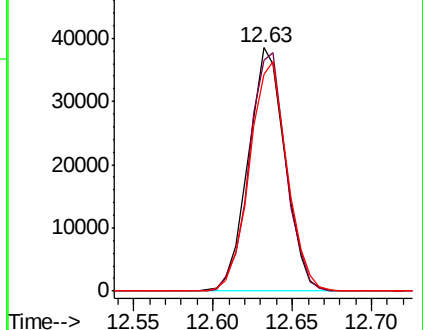
176 96.3 0.0 198.6

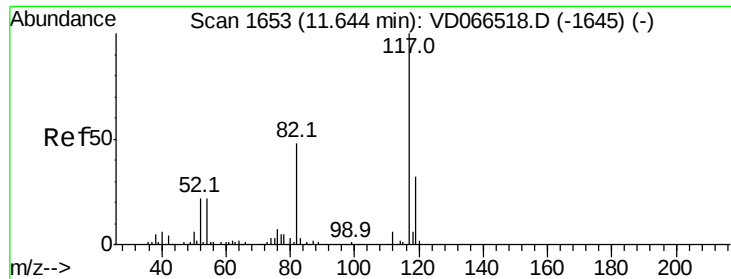


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

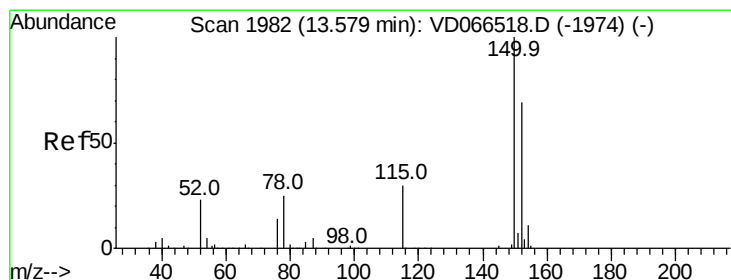
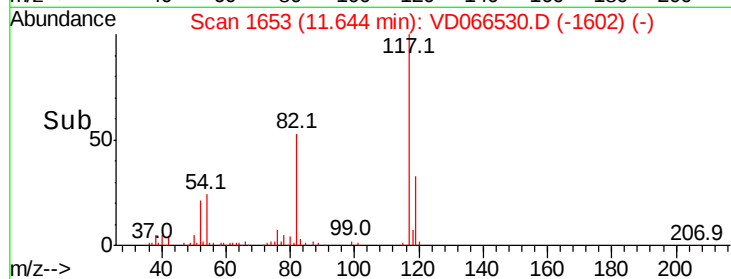
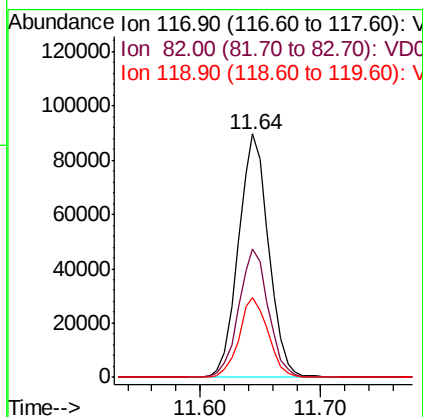
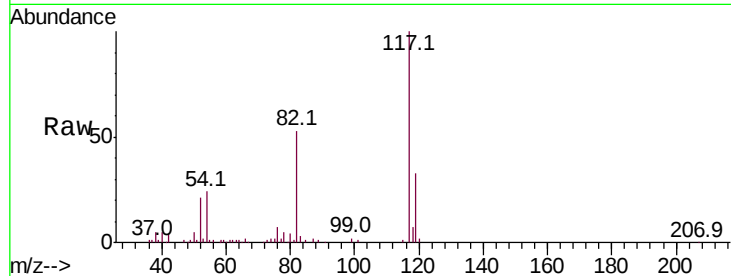




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066530.D
Acq: 02 Sep 2020 18:38

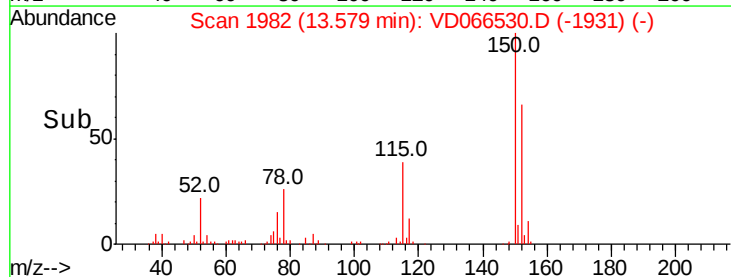
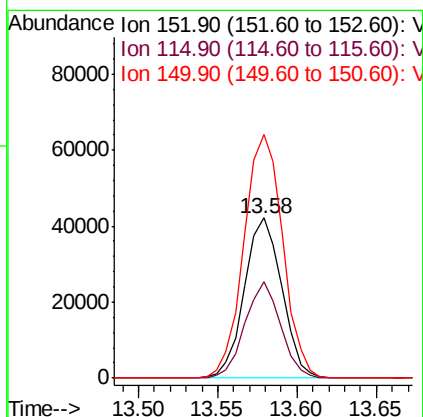
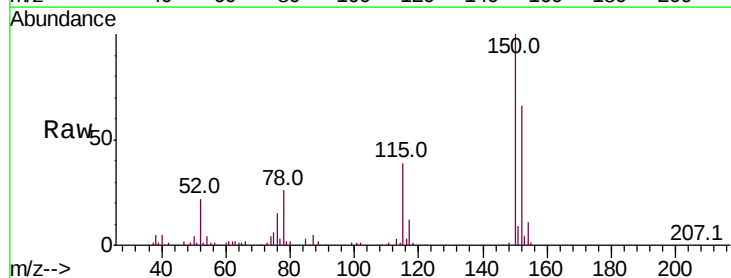
Instrument :
MSVOA_D
ClientSampleId :
1500

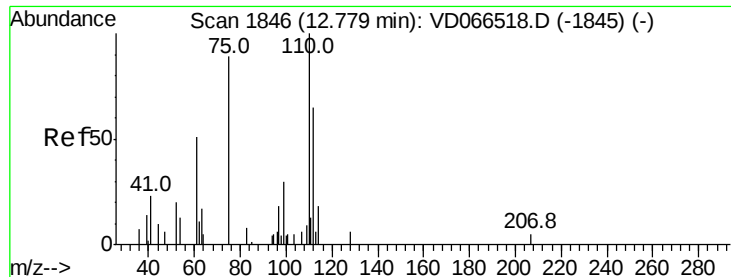
Tot Ion:117 Resp: 155933
Ion Ratio Lower Upper
117 100
82 52.8 38.5 57.7
119 32.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066530.D
Acq: 02 Sep 2020 18:38

Tgt Ion:152 Resp: 69484
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.8
150 157.6 0.0 339.6





#76

1,2,3-Trichloropropane

Concen: 85.328 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

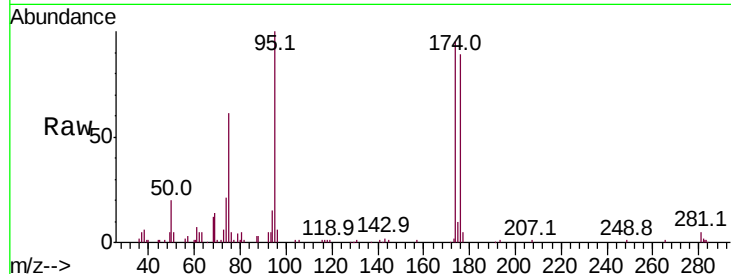
1500

Tot Ion: 75 Resp: 37297

Ion Ratio Lower Upper

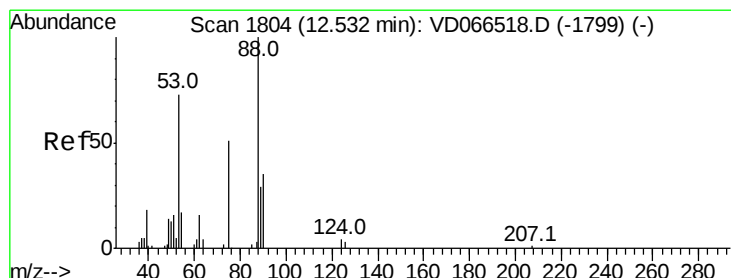
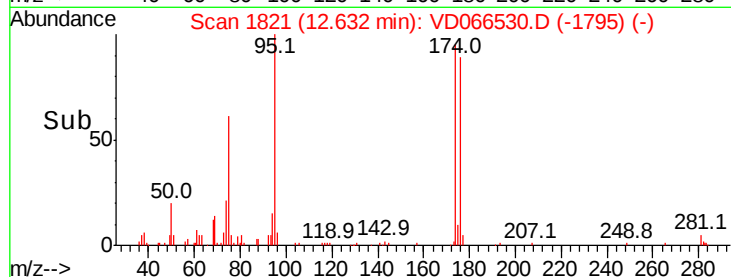
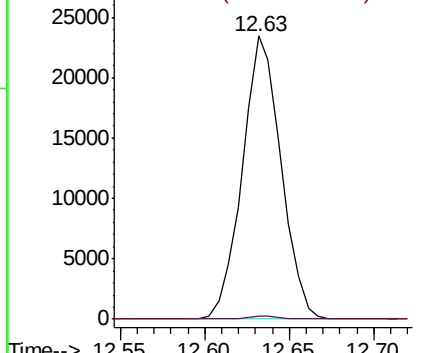
75 100

77 0.8 196.9 590.7#



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: 190.018 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066530.D

Acq: 02 Sep 2020 18:38

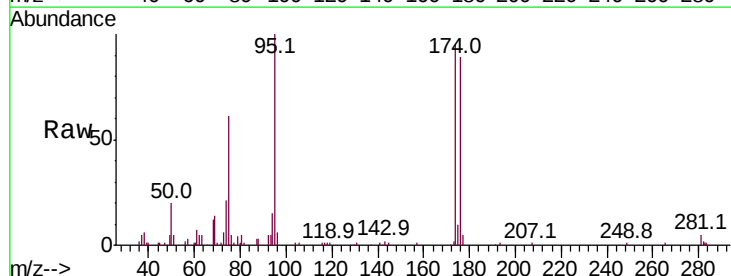
Tgt Ion: 75 Resp: 37297

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.8#

89 0.0 46.0 69.0#



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

