

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066503.D
 Acq On : 01 Sep 2020 18:29
 Operator : VA/SY
 Sample : L3852-01
 Misc : 6.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 251378

Quant Time: Sep 02 01:07:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	165631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	237565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	223183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	105486	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	94021	57.90	ug/l	0.00
Spiked Amount			Recovery	=	115.80%	
35) Dibromofluoromethane	7.91	113	74222	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.34	98	280905	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.63	95	98362	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

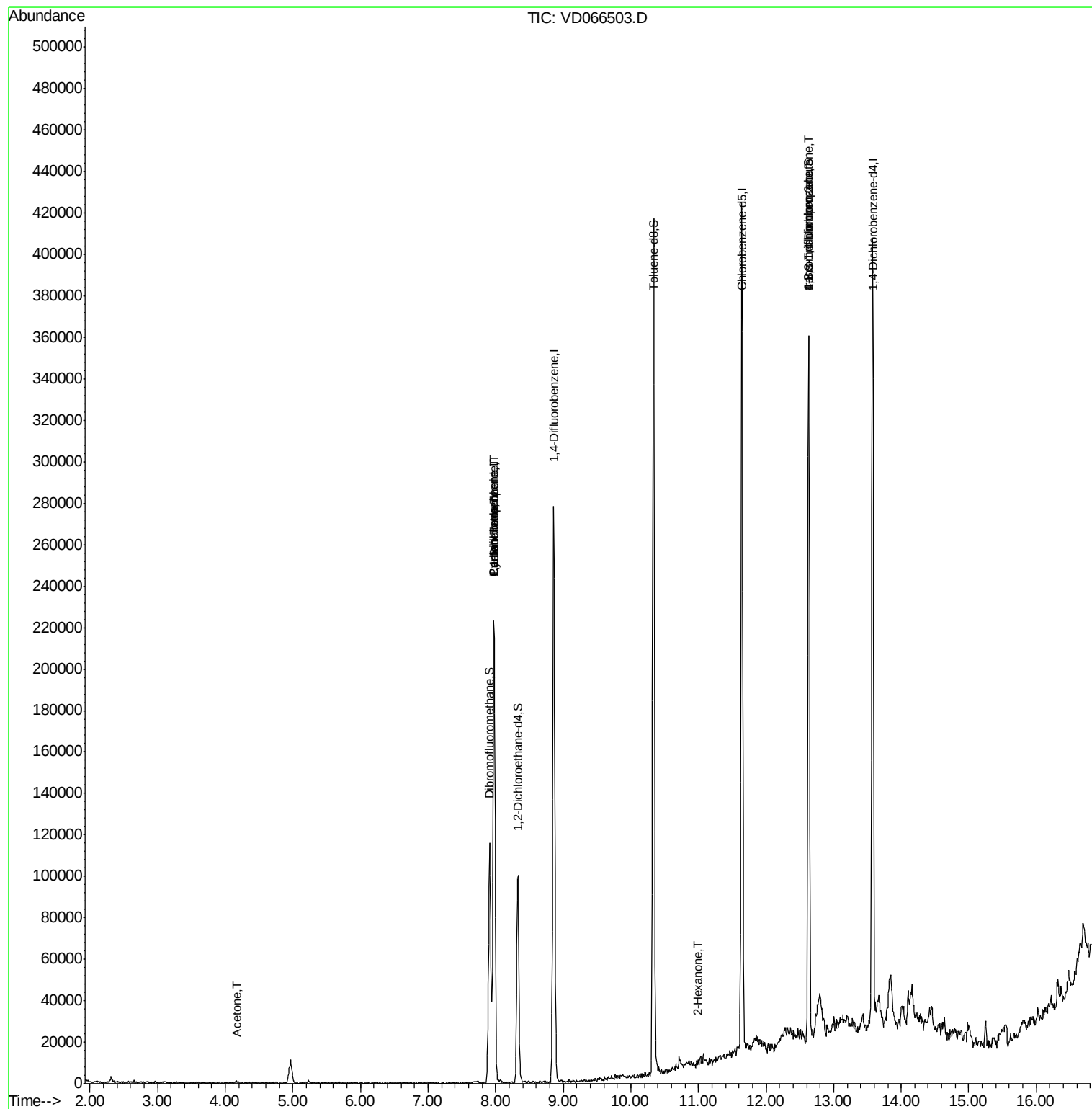
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	1590	Below Cal	#	83
16) Acetone	4.16	43	1652	5.643	ug/l #	46
20) Methylene Chloride	4.96	84	7650	Below Cal	#	79
31) Cyclohexane	7.97	56	3432	1.522	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	11950	5.513	ug/l #	52
38) Carbon Tetrachloride	7.97	117	17630	6.243	ug/l #	16
59) 2-Hexanone	10.98	43	756	1.497	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	58050	78.224	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	58050	166.044	ug/l #	6

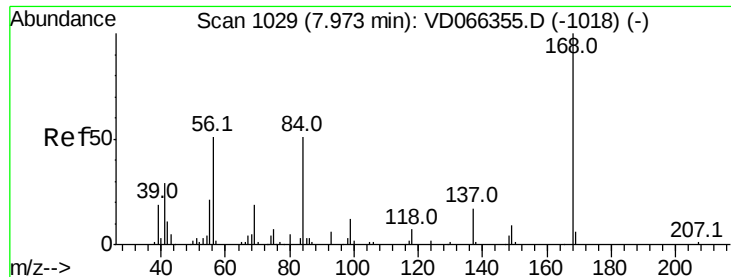
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

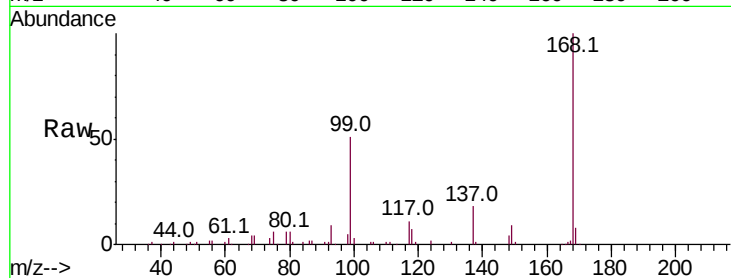
251378

Tot Ion:168 Resp: 165631

Ion Ratio Lower Upper

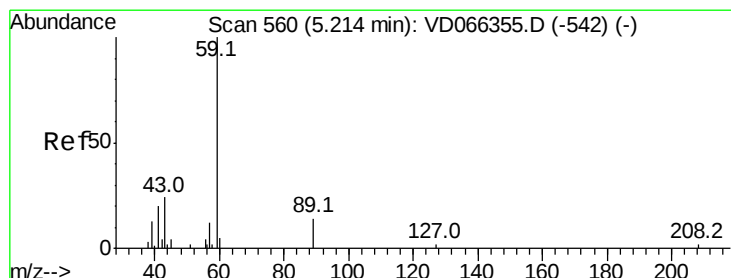
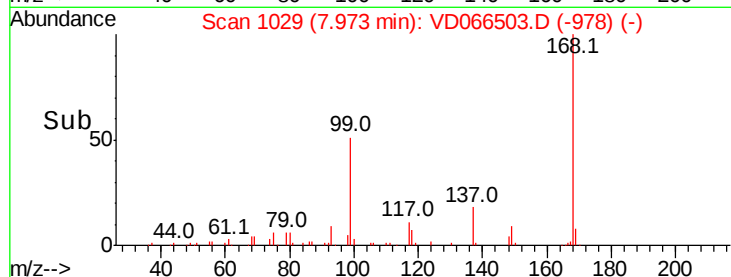
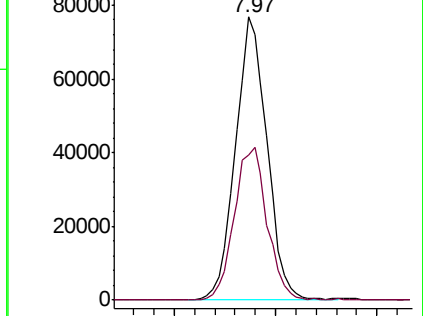
168 100

99 51.4 45.4 68.0



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: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066503.D

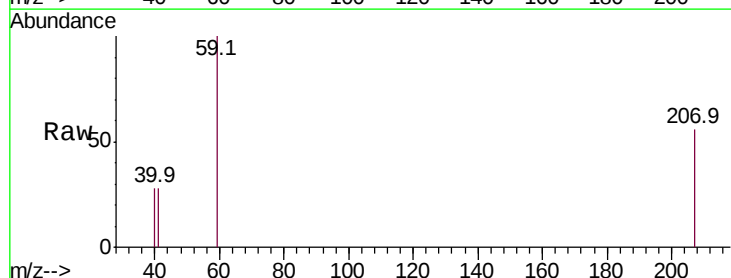
Acq: 01 Sep 2020 18:29

Tgt Ion: 59 Resp: 1590

Ion Ratio Lower Upper

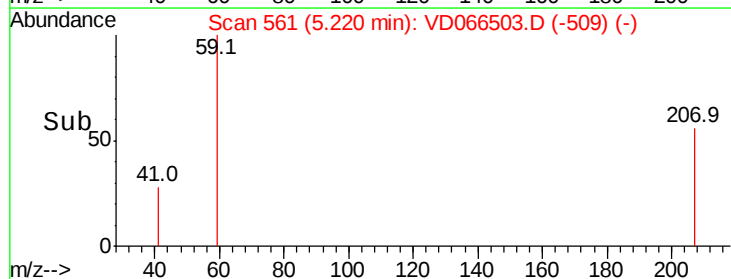
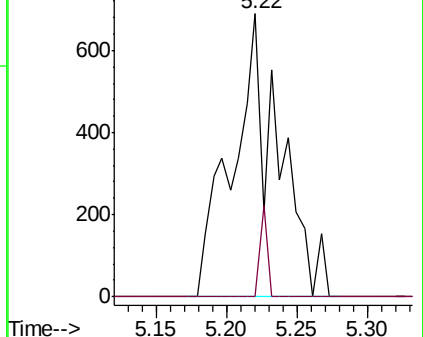
59 100

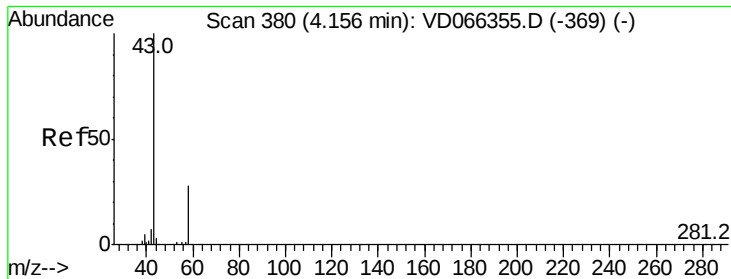
57 4.9 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 5.643 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

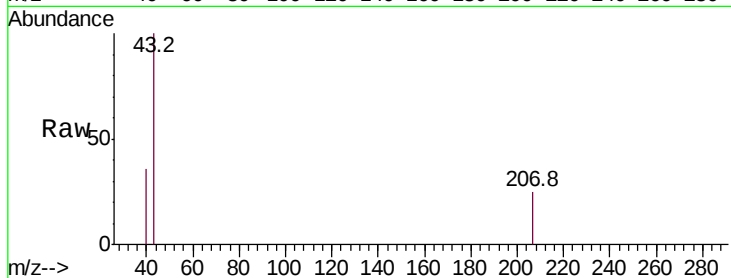
251378

Tot Ion: 43 Resp: 1652

Ion Ratio Lower Upper

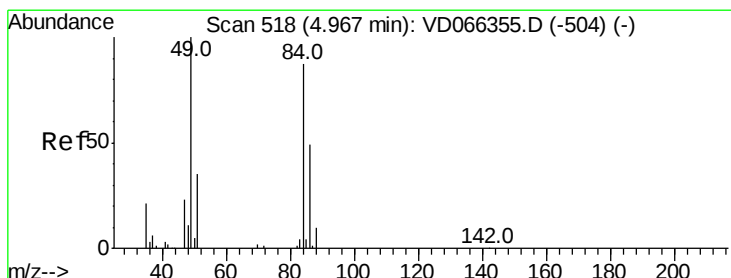
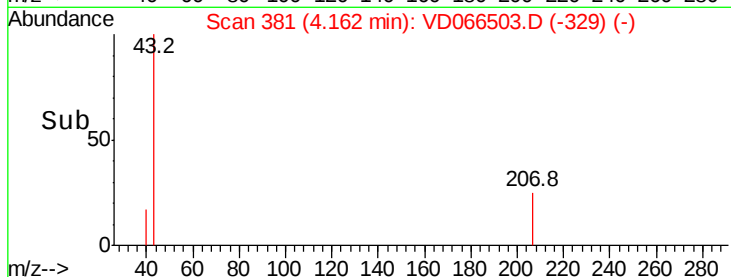
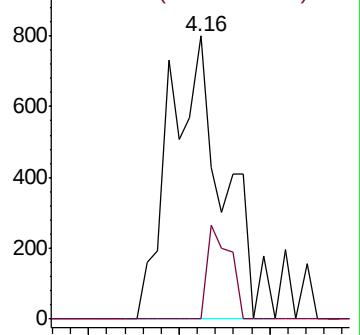
43 100

58 0.0 22.7 34.1#



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# 516

Delta R.T. -0.01 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

Tgt Ion: 84 Resp: 7650

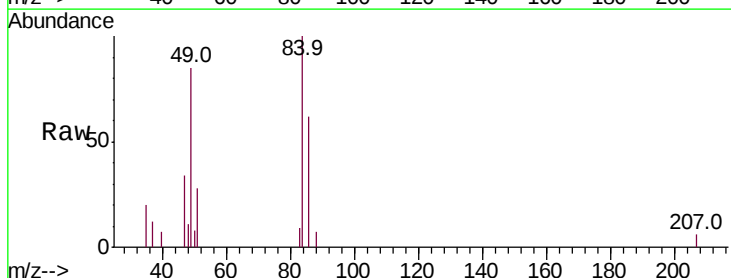
Ion Ratio Lower Upper

84 100

49 84.8 92.5 138.7#

51 28.3 32.5 48.7#

86 62.3 45.0 67.6

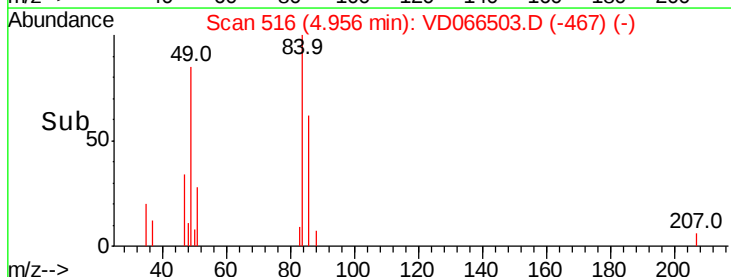
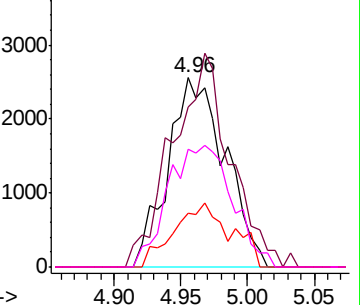


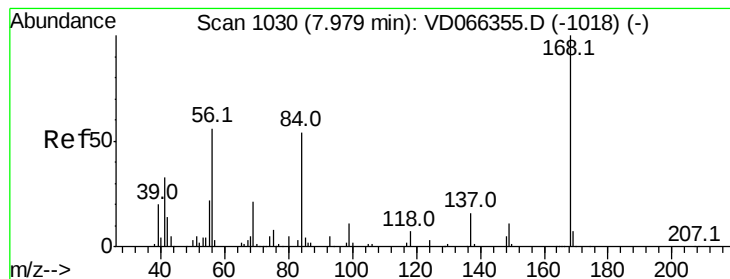
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.522 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

251378

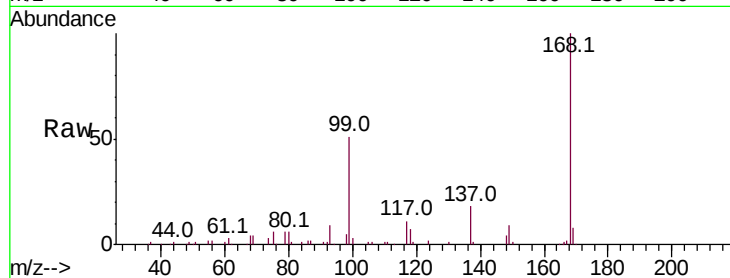
Tot Ion: 56 Resp: 3432

Ion Ratio Lower Upper

56 100

69 141.3 29.6 44.4#

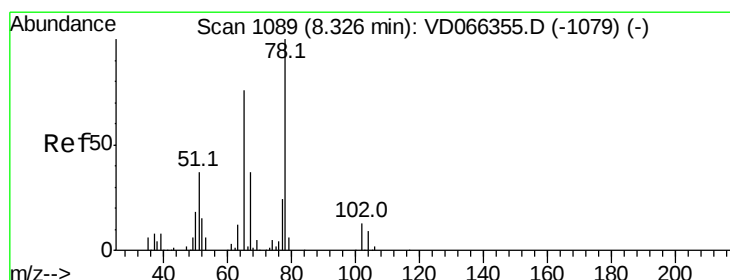
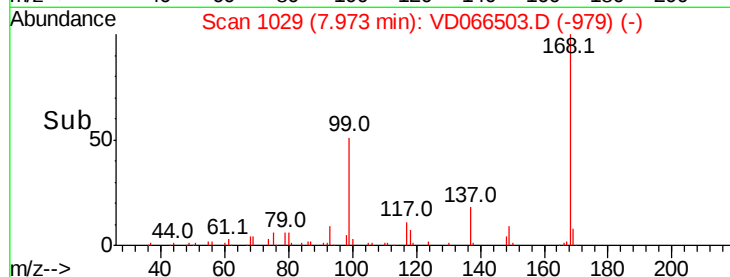
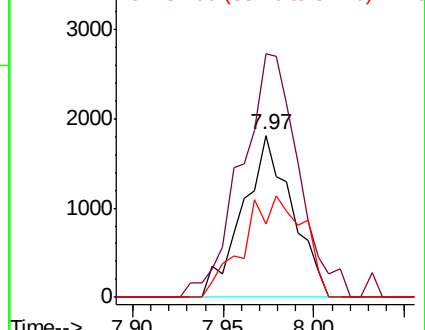
84 45.4 76.6 115.0#



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: 57.900 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066503.D

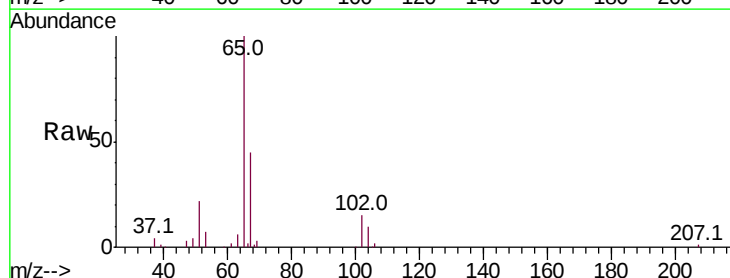
Acq: 01 Sep 2020 18:29

Tgt Ion: 65 Resp: 94021

Ion Ratio Lower Upper

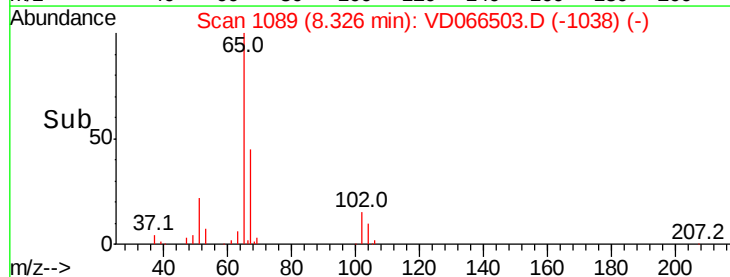
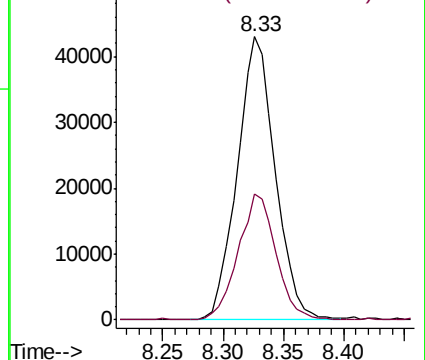
65 100

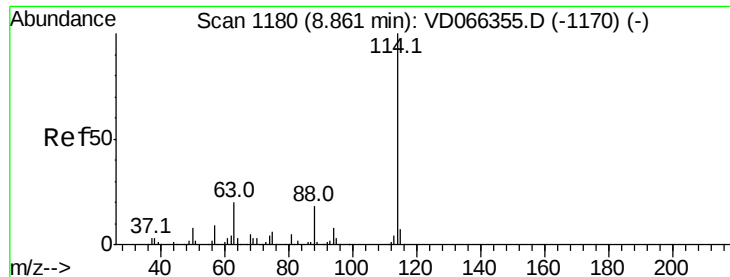
67 44.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

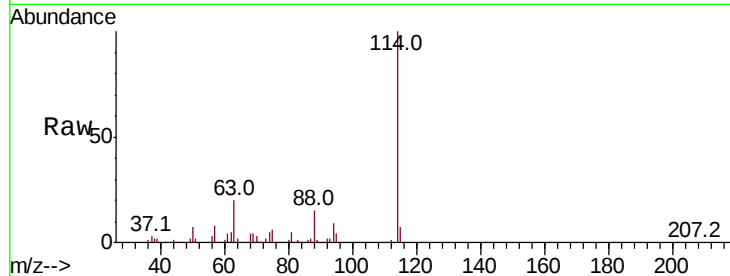




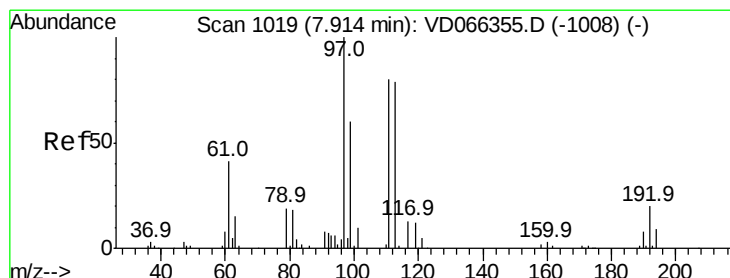
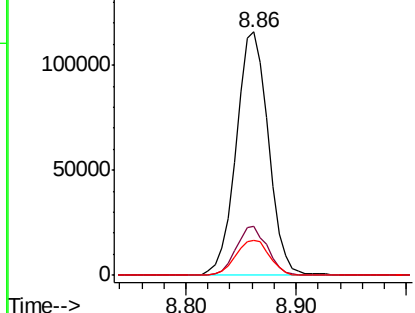
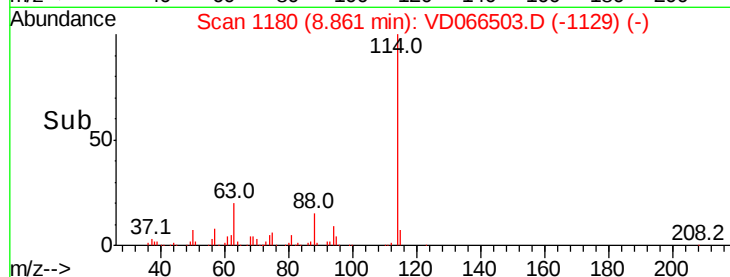
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066503.D
 Acq: 01 Sep 2020 18:29

Instrument :
 MSVOA_D
 ClientSampleId :
 251378

Tot Ion:114 Resp: 237565
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 14.5 0.0 35.4

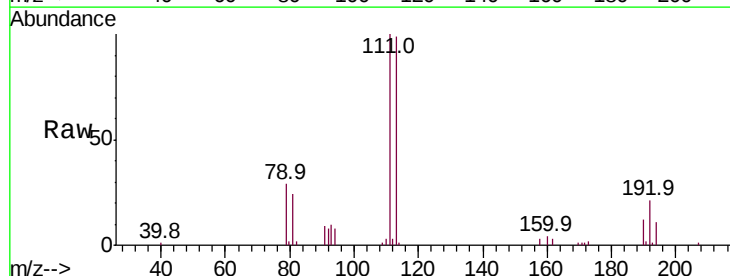


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

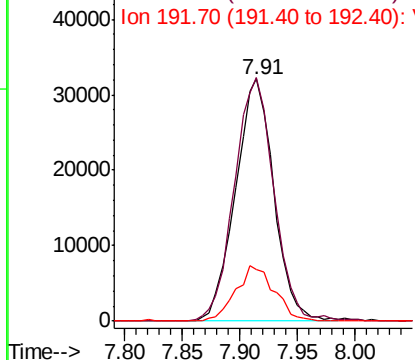
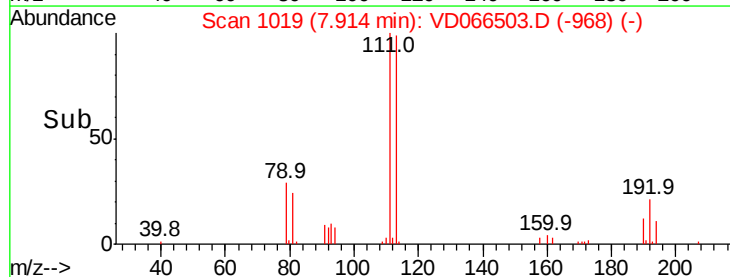


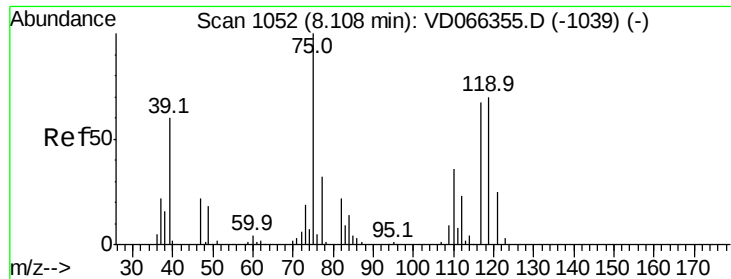
#35
 Dibromofluoromethane
 Concen: 49.964 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066503.D
 Acq: 01 Sep 2020 18:29

Tgt Ion:113 Resp: 74222
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.3 120.5
 192 22.7 19.0 28.6



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: 5.513 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

251378

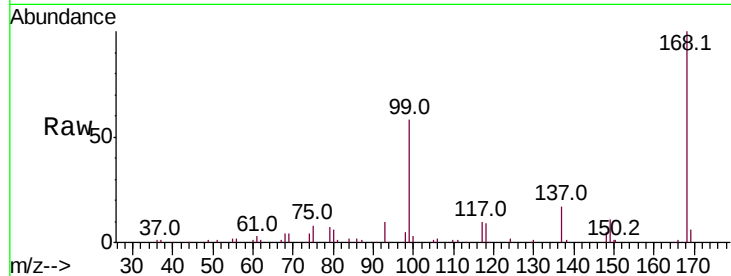
Tot Ion: 75 Resp: 11950

Ion Ratio Lower Upper

75 100

110 13.2 18.7 56.1#

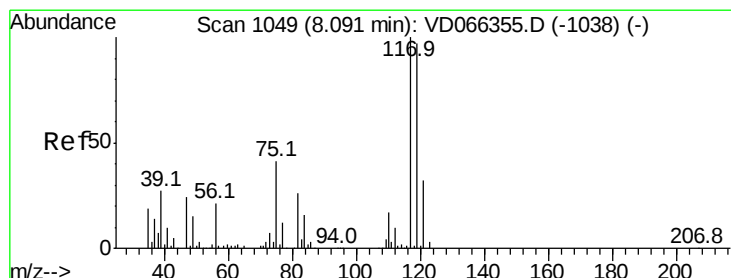
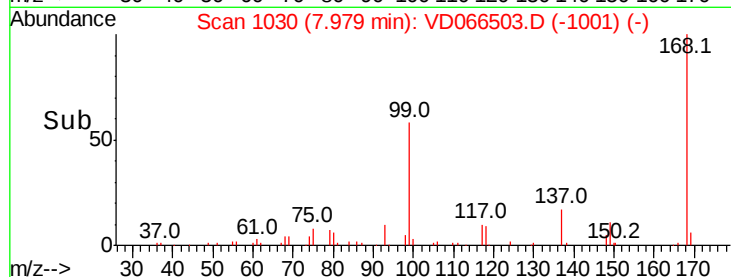
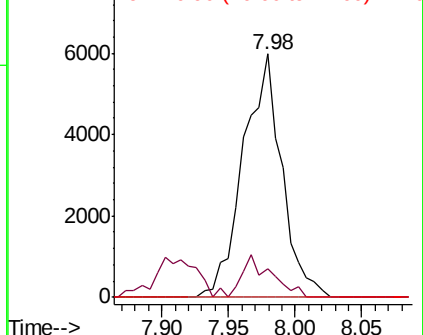
77 0.0 25.2 37.8#



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: 6.243 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

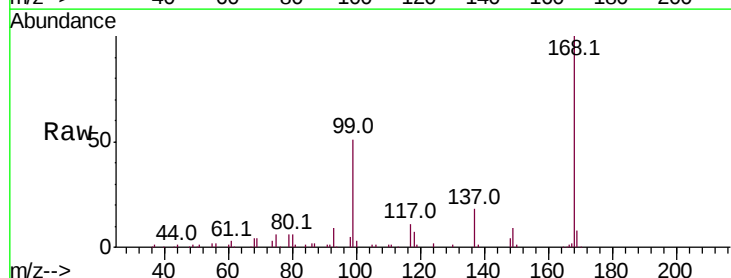
Tgt Ion: 117 Resp: 17630

Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

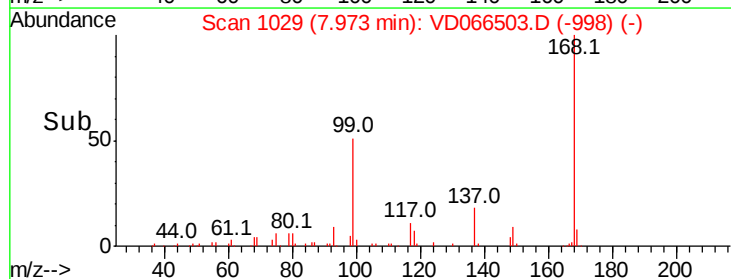
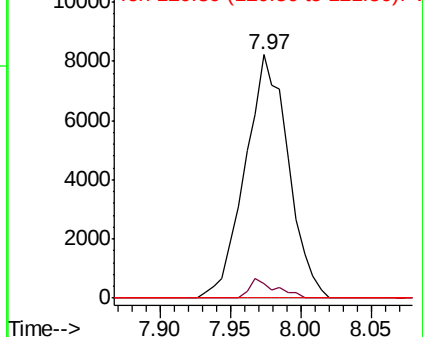
121 0.0 25.8 38.8#

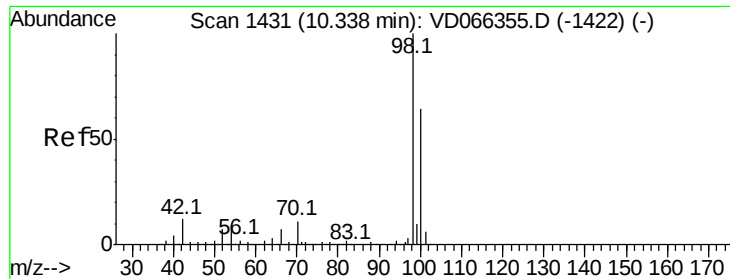


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

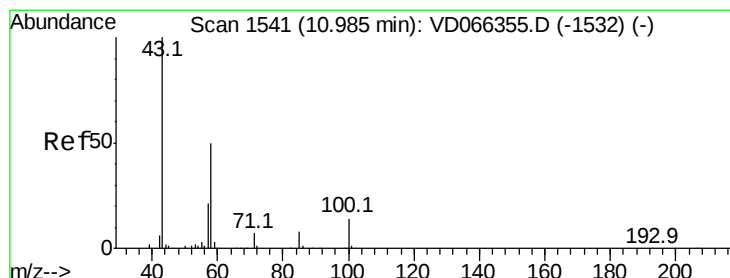
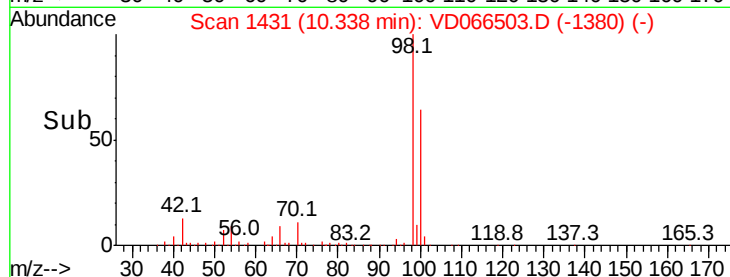
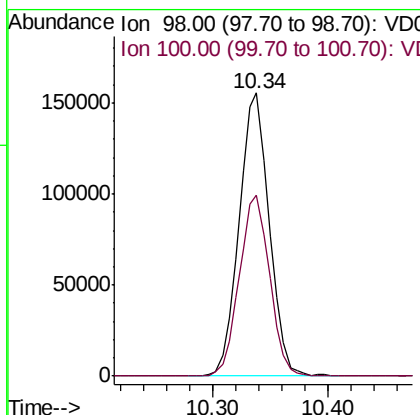
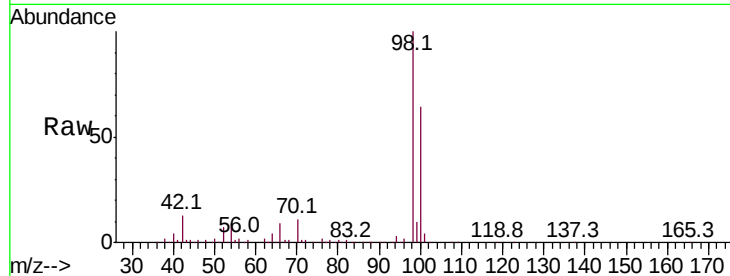




#50
Toluene-d8
Concen: 51.682 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066503.D
Acq: 01 Sep 2020 18:29

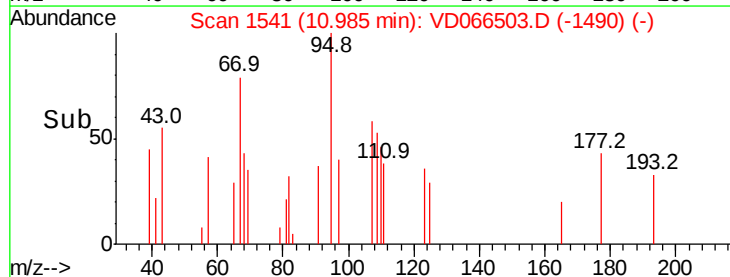
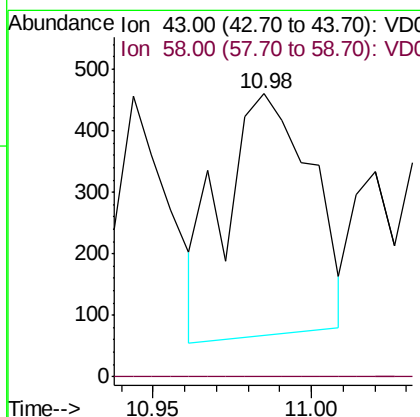
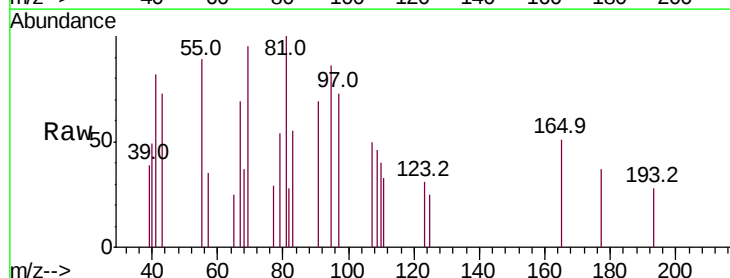
Instrument :
MSVOA_D
ClientSampleId :
251378

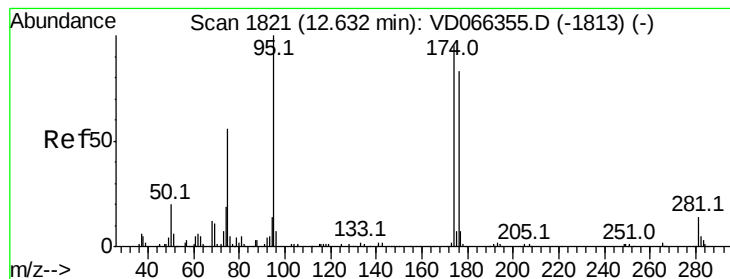
Tot Ion: 98 Resp: 280905
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#59
2-Hexanone
Concen: 1.497 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066503.D
Acq: 01 Sep 2020 18:29

Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#





#62

4-Bromofluorobenzene

Concen: 51.000 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

251378

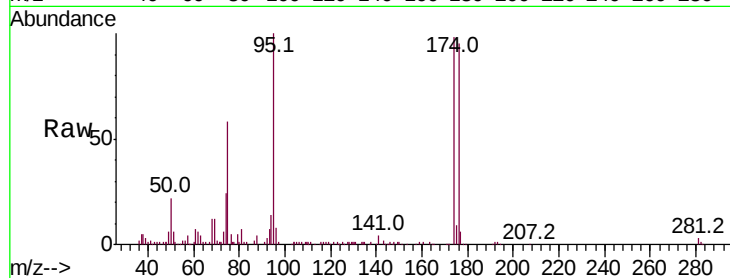
Tot Ion: 95 Resp: 98362

Ion Ratio Lower Upper

95 100

174 95.0 0.0 183.4

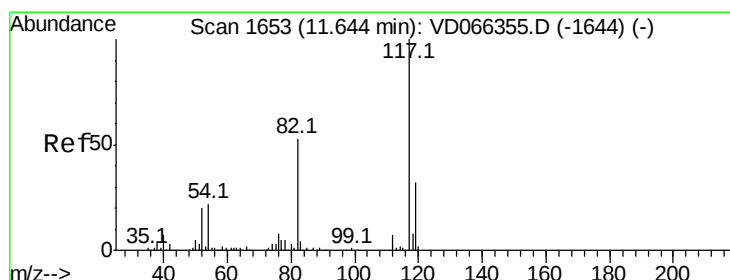
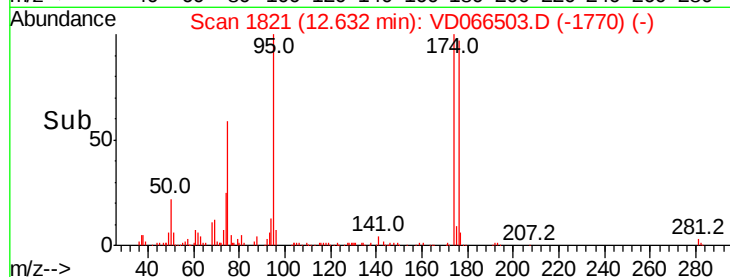
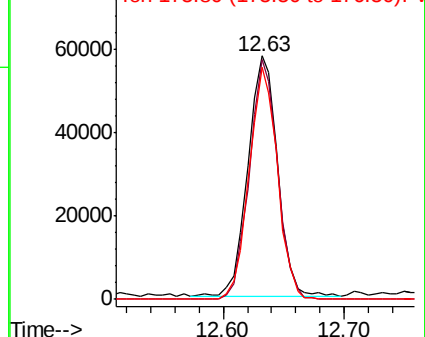
176 92.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VD066503.D (-1770) (-)

Ion 173.80 (173.50 to 174.50): VD066503.D (-1770) (-)

Ion 175.80 (175.50 to 176.50): VD066503.D (-1770) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

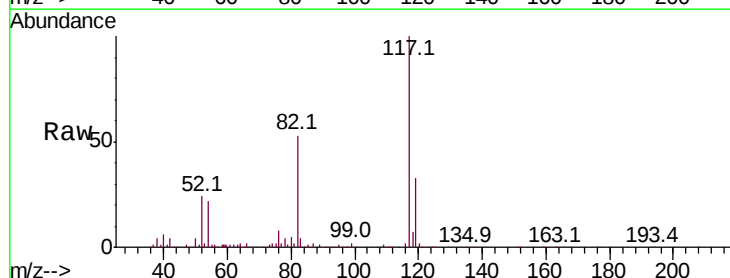
Tgt Ion: 117 Resp: 223183

Ion Ratio Lower Upper

117 100

82 52.6 42.8 64.2

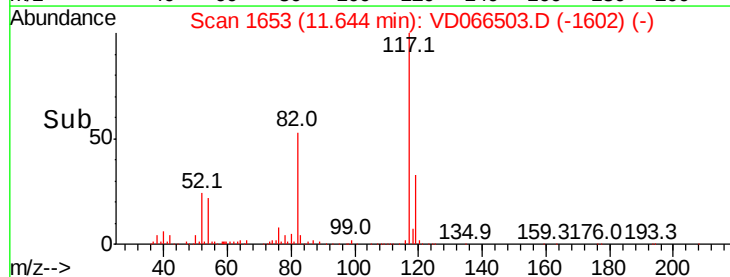
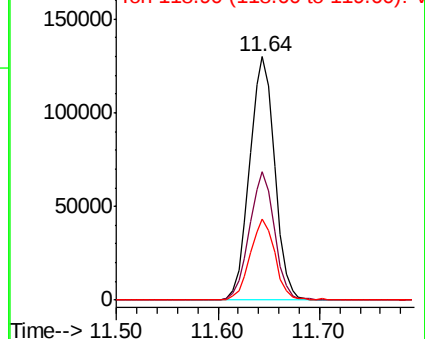
119 33.4 25.8 38.8

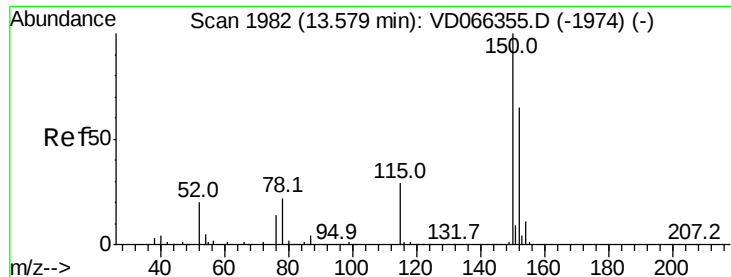


Abundance Ion 116.90 (116.60 to 117.60): VD066503.D (-1602) (-)

Ion 82.00 (81.70 to 82.70): VD066503.D (-1602) (-)

Ion 118.90 (118.60 to 119.60): VD066503.D (-1602) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

251378

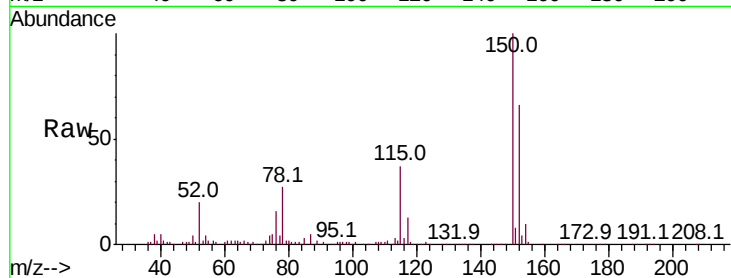
Tot Ion:152 Resp: 105486

Ion Ratio Lower Upper

152 100

115 55.5 28.3 85.0

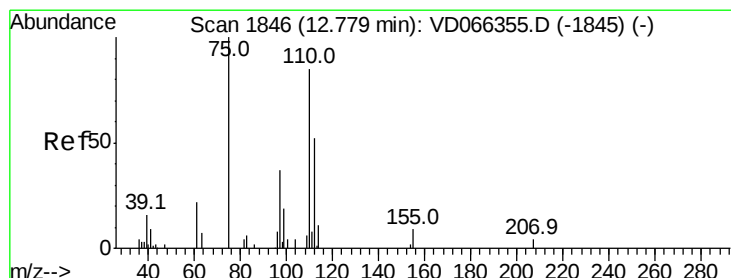
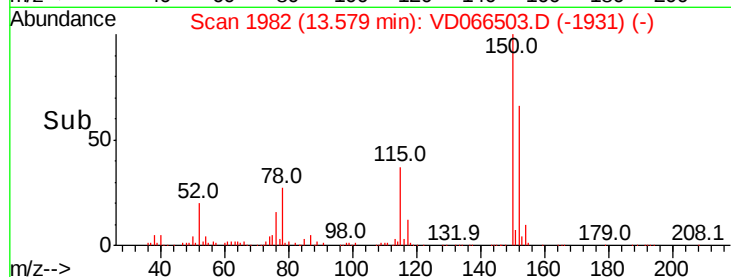
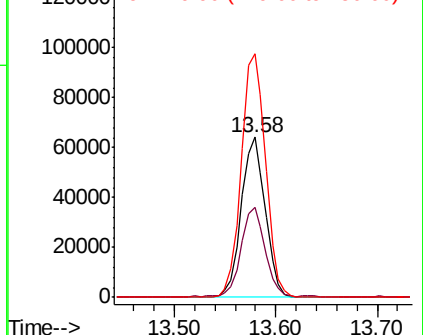
150 153.5 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 78.224 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066503.D

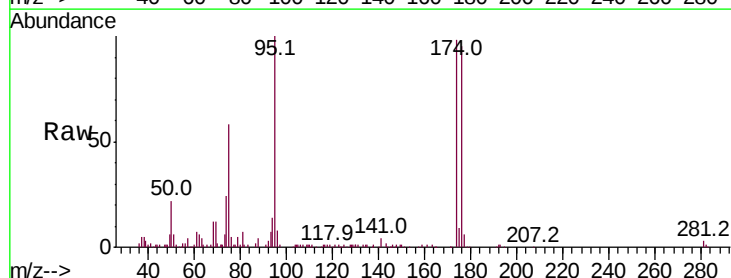
Acq: 01 Sep 2020 18:29

Tgt Ion: 75 Resp: 58050

Ion Ratio Lower Upper

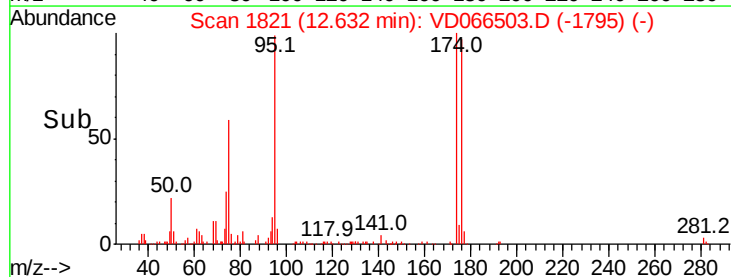
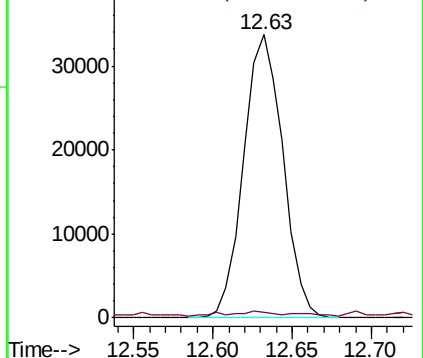
75 100

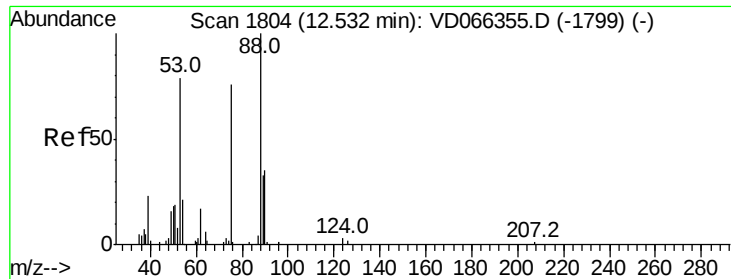
77 0.7 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 166.044 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066503.D

Acq: 01 Sep 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

251378

Tot Ion: 75 Resp: 58050

Ion Ratio Lower Upper

75 100

53 0.5 87.4 131.2#

89 0.0 39.4 59.0#

