

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066900.D
 Acq On : 26 Sep 2020 04:56
 Operator : VA/SY
 Sample : L4154-10
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(13-15)

Quant Time: Sep 26 06:40:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	463155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	783662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	780593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	219749	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.91	113	246622	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	10.34	98	946691	55.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.46%	
62) 4-Bromofluorobenzene	12.63	95	337916	58.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.22%	

Target Compounds

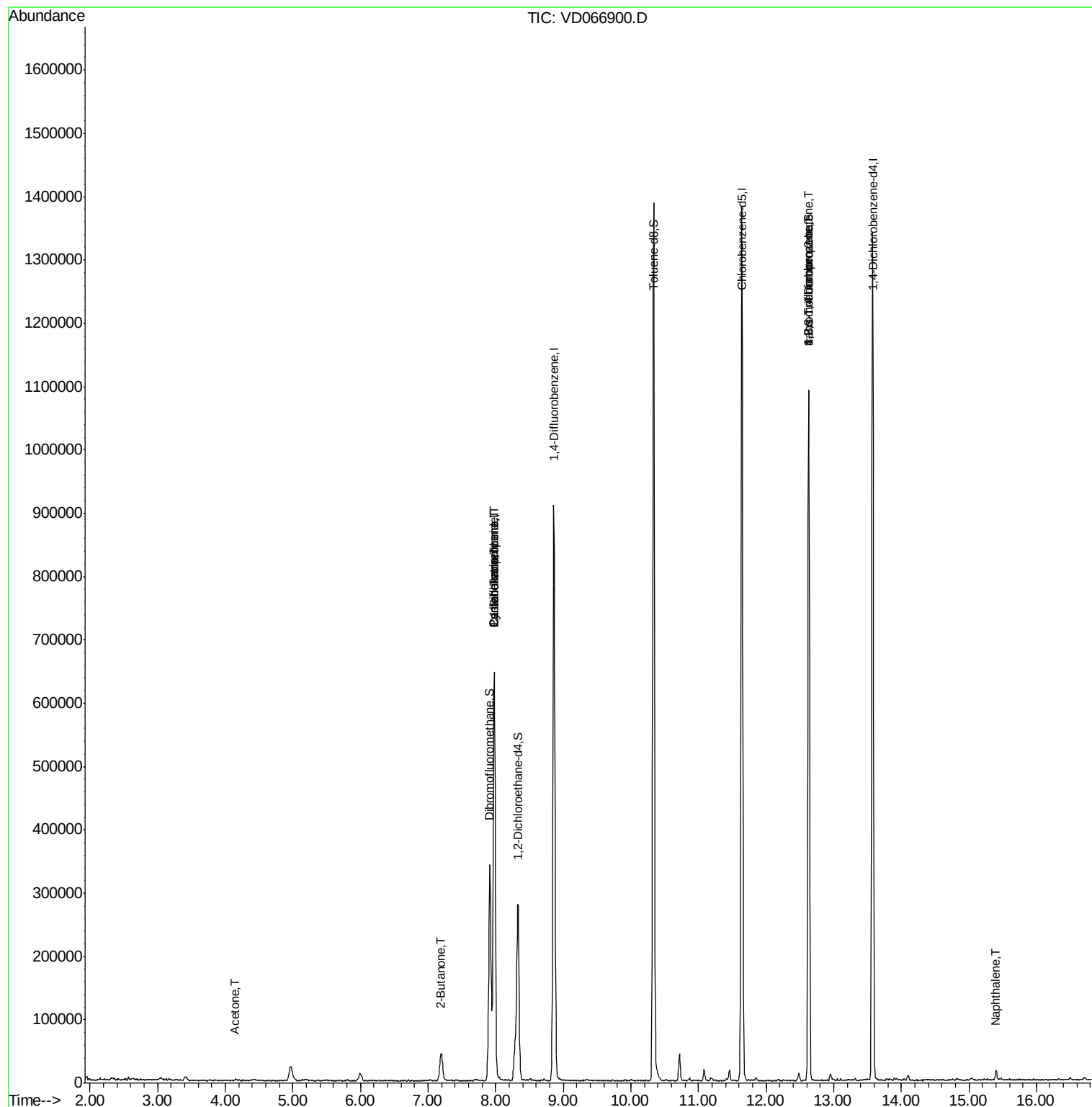
						Qvalue
2) Dichlorodifluoromethane	2.00	85	426	Below Cal	#	46
11) Tert butyl alcohol	5.21	59	1009	Below Cal	#	89
16) Acetone	4.16	43	4354	4.528	ug/l	100
18) Methyl Acetate	4.94	43	368	Below Cal	#	50
20) Methylene Chloride	4.96	84	17498	Below Cal		91
25) 2-Butanone	7.19	43	3410	2.951	ug/l #	46
31) Cyclohexane	7.98	56	10429	1.265	ug/l #	2
36) 1,1-Dichloropropene	7.98	75	36973	4.756	ug/l #	49
38) Carbon Tetrachloride	7.98	117	48073	5.656	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	180360	61.503	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	180360	153.875	ug/l #	10
95) Naphthalene	15.40	128	11681	1.082	ug/l #	92

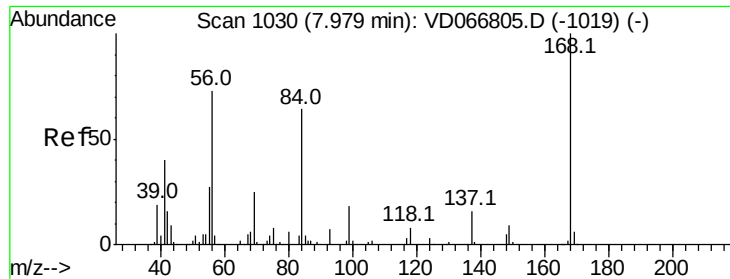
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 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: VD066900.D

Acq: 26 Sep 2020 04:56

Instrument :

MSVOA_D

ClientSampleId :

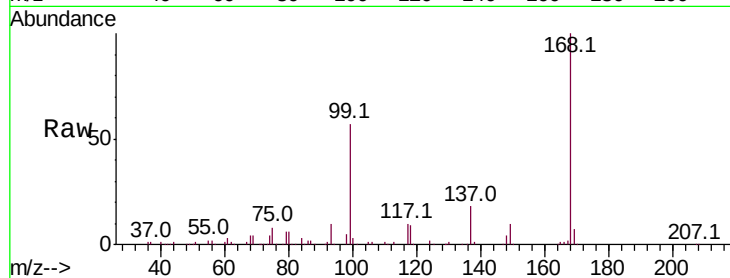
B-5(13-15)

Tot Ion:168 Resp: 463155

Ion Ratio Lower Upper

168 100

99 57.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

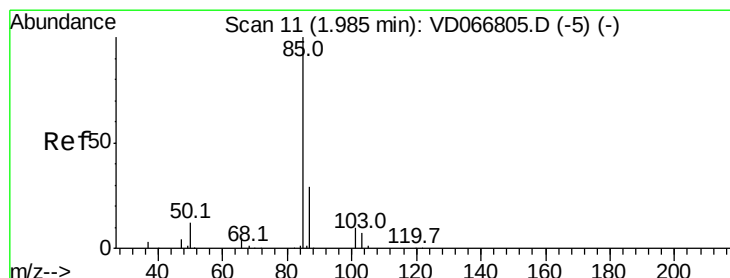
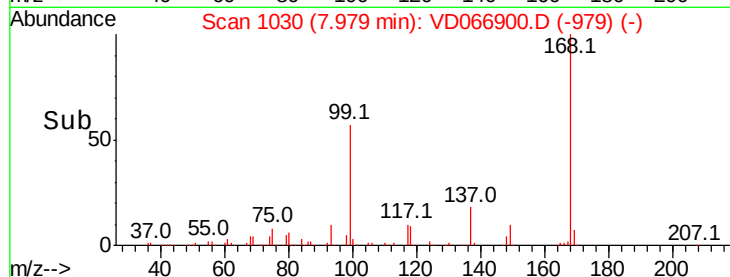
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066900.D

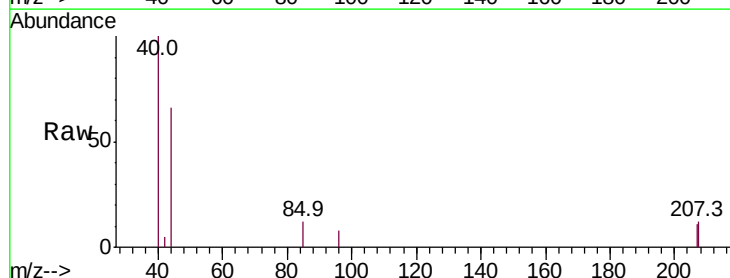
Acq: 26 Sep 2020 04:56

Tgt Ion: 85 Resp: 426

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

400

300

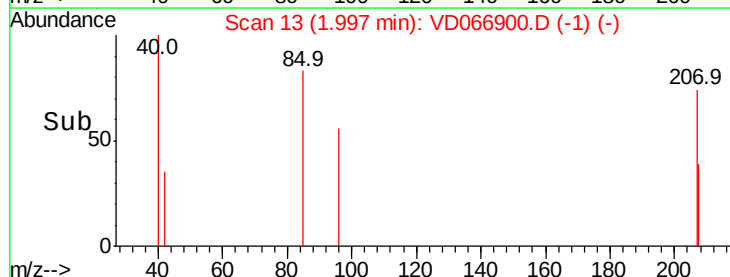
200

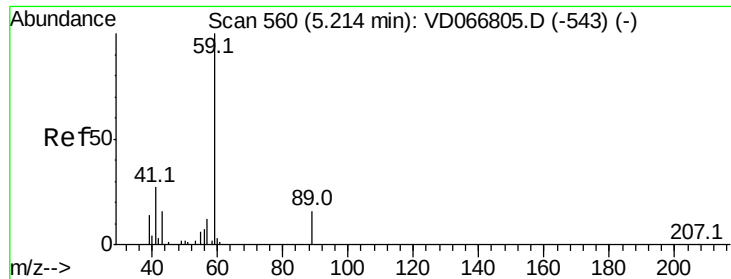
100

0

Time-->

1.96 1.98 2.00 2.02



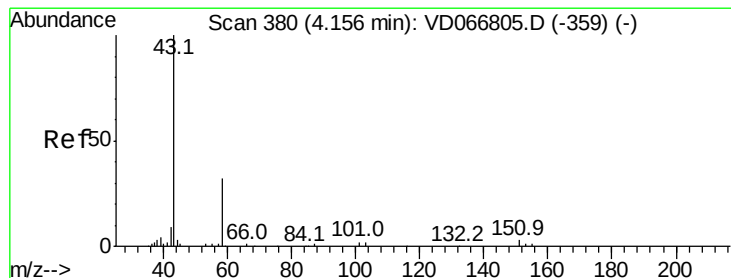
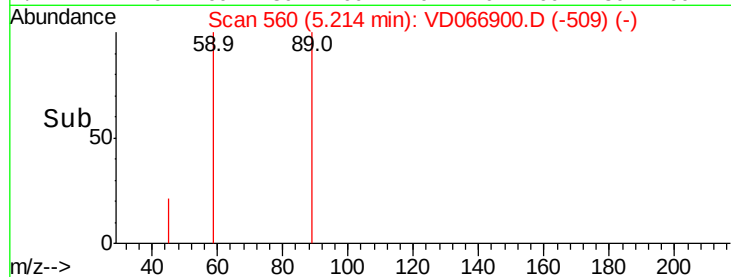
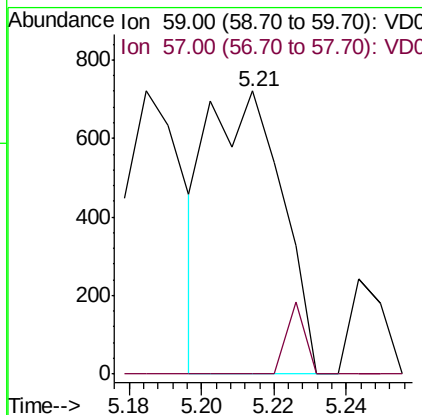
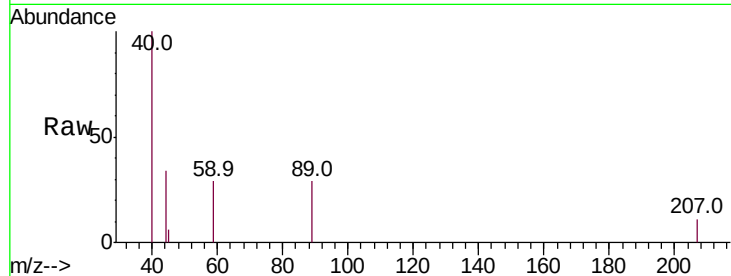


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD066900.D
 Acq: 26 Sep 2020 04:56

Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(13-15)

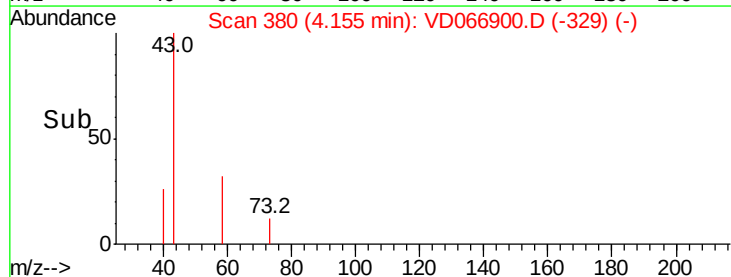
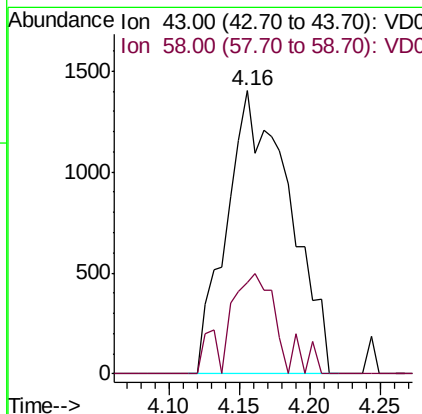
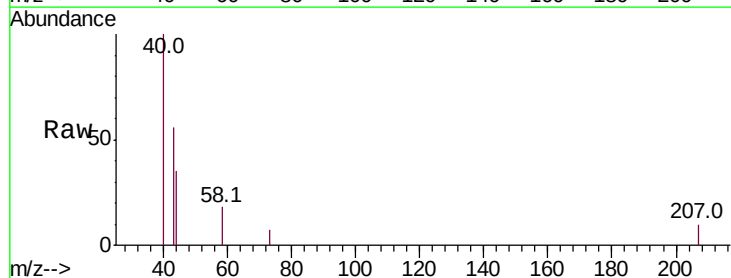
Tot Ion: 59 Resp: 1009
 Ion Ratio Lower Upper
 59 100
 57 6.4 8.3 12.5#

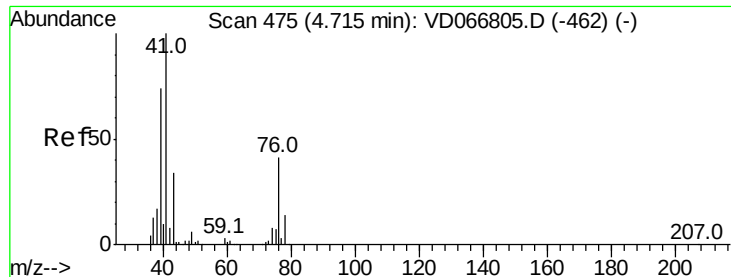


#16

Acetone
 Concen: 4.528 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066900.D
 Acq: 26 Sep 2020 04:56

Tgt Ion: 43 Resp: 4354
 Ion Ratio Lower Upper
 43 100
 58 32.2 25.6 38.4

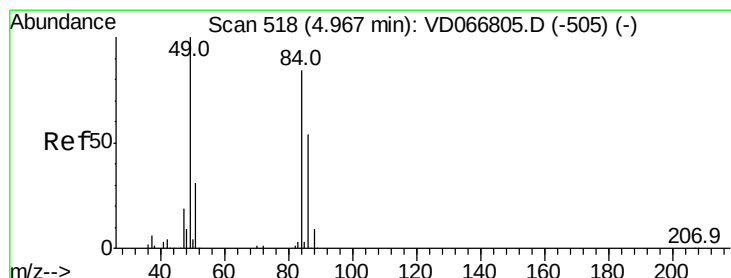
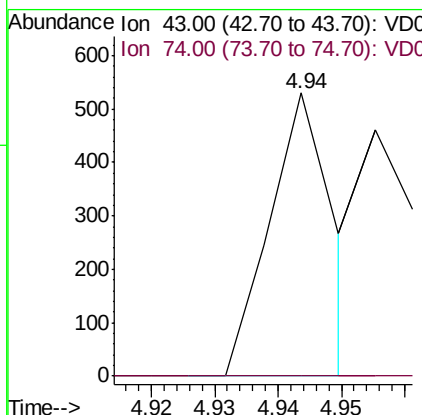
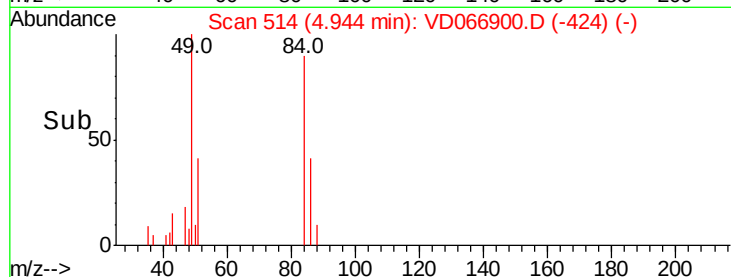
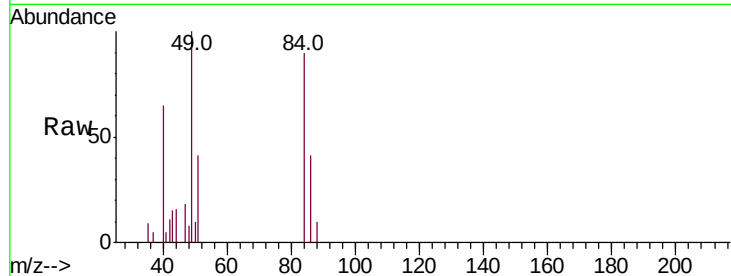




#18
Methyl Acetate
Concen: Below Cal
RT: 4.94 min Scan# 514
Delta R.T. 0.23 min
Lab File: VD066900.D
Acq: 26 Sep 2020 04:56

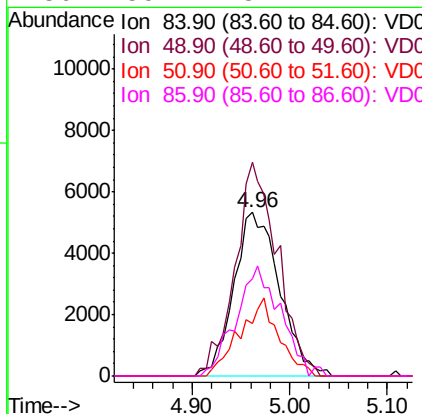
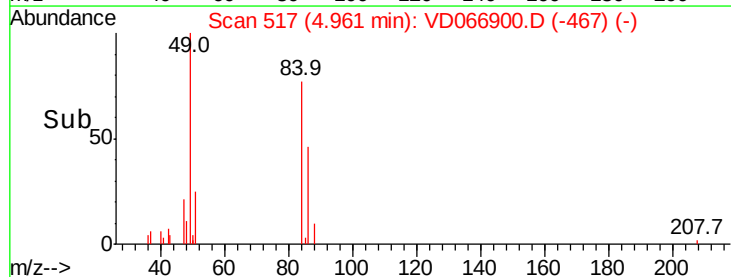
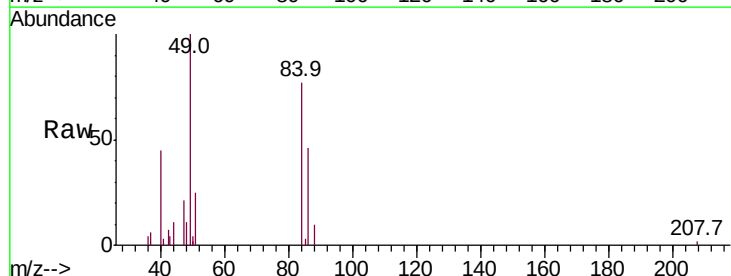
Instrument :
MSVOA_D
ClientSampleId :
B-5(13-15)

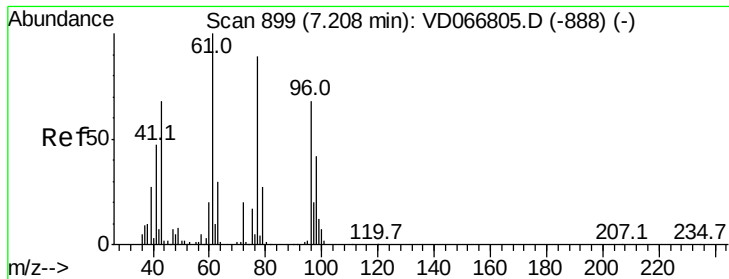
Tot Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066900.D
Acq: 26 Sep 2020 04:56

Tgt Ion: 84 Resp: 17498
Ion Ratio Lower Upper
84 100
49 130.5 95.4 143.2
51 32.1 29.7 44.5
86 59.7 51.4 77.2





#25

2-Butanone

Concen: 2.951 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066900.D

Acq: 26 Sep 2020 04:56

Instrument :

MSVOA_D

ClientSampleId :

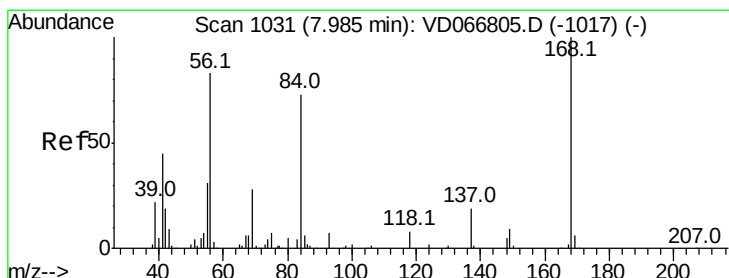
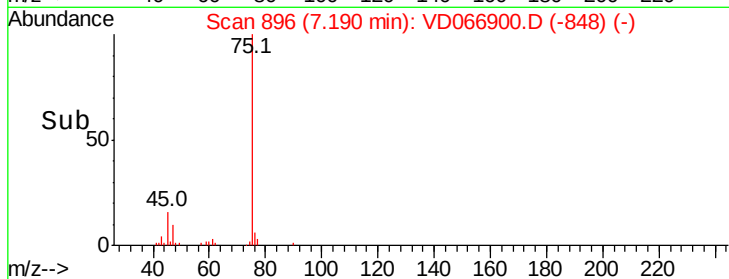
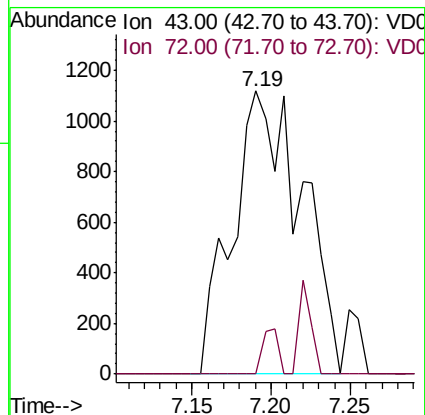
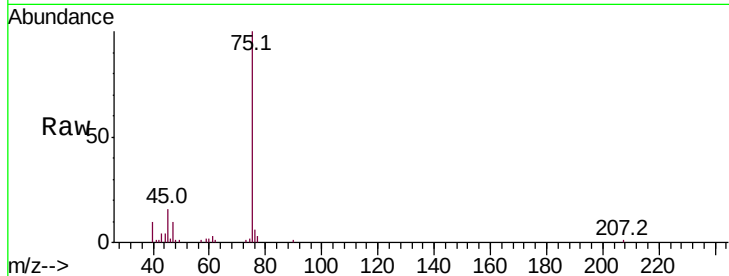
B-5(13-15)

Tot Ion: 43 Resp: 3410

Ion Ratio Lower Upper

43 100

72 0.0 22.9 34.3#



#31

Cyclohexane

Concen: 1.265 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066900.D

Acq: 26 Sep 2020 04:56

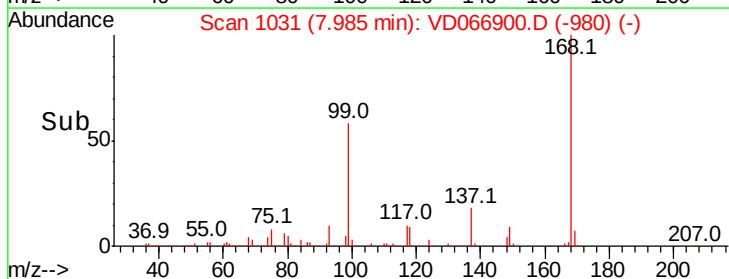
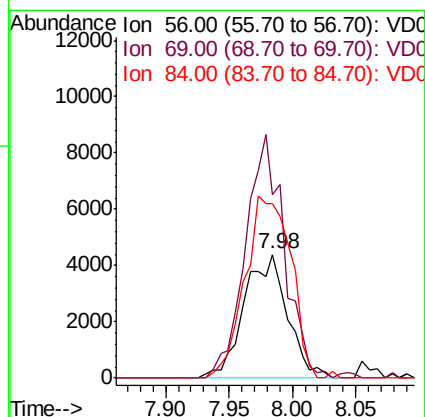
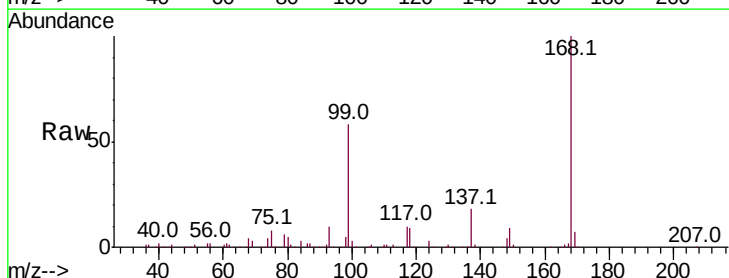
Tgt Ion: 56 Resp: 10429

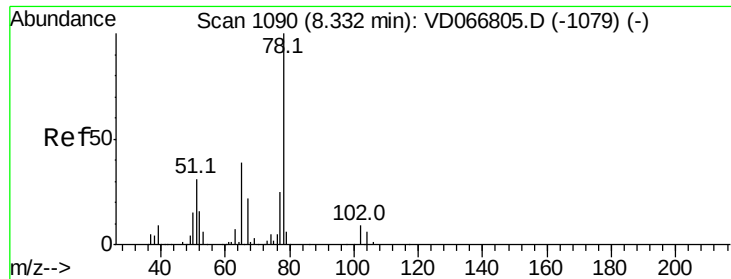
Ion Ratio Lower Upper

56 100

69 148.8 27.0 40.4#

84 141.5 70.2 105.4#

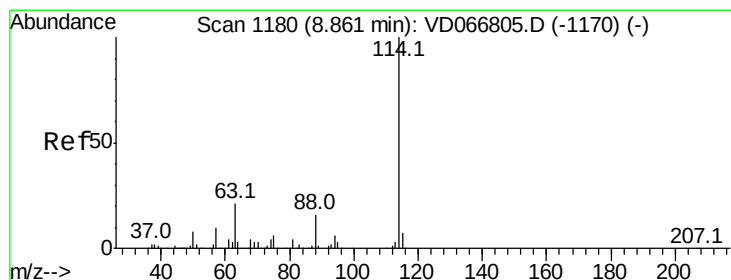
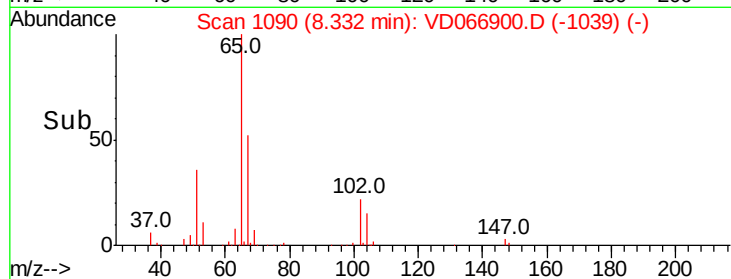
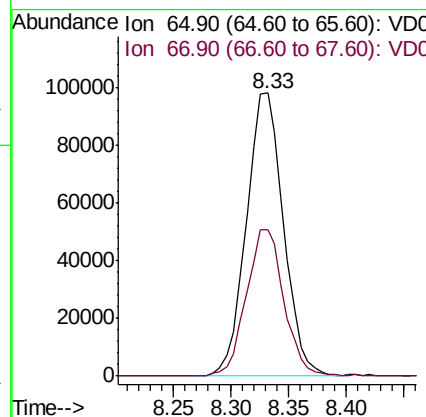
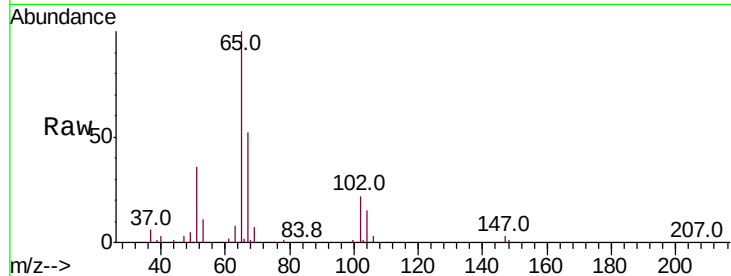




#33
 1,2-Dichloroethane-d4
 Concen: 48.476 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066900.D
 Acq: 26 Sep 2020 04:56

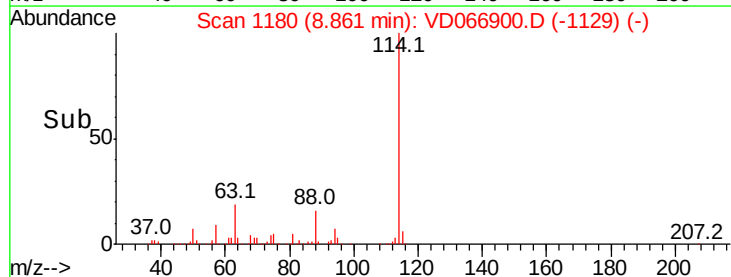
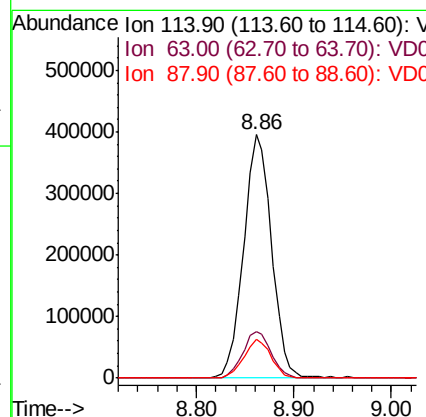
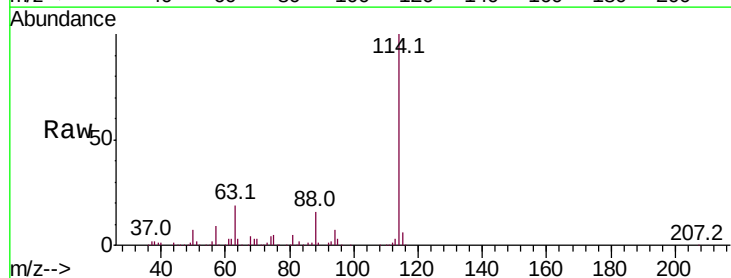
Instrument :
 MSVOA_D
 ClientSampled :
 B-5(13-15)

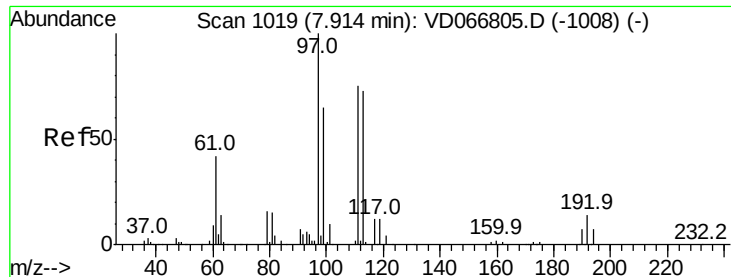
Tot Ion: 65 Resp: 219749
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066900.D
 Acq: 26 Sep 2020 04:56

Tgt Ion: 114 Resp: 783662
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.6
 88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.466 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066900.D

Acq: 26 Sep 2020 04:56

Instrument :

MSVOA_D

ClientSampleId :

B-5(13-15)

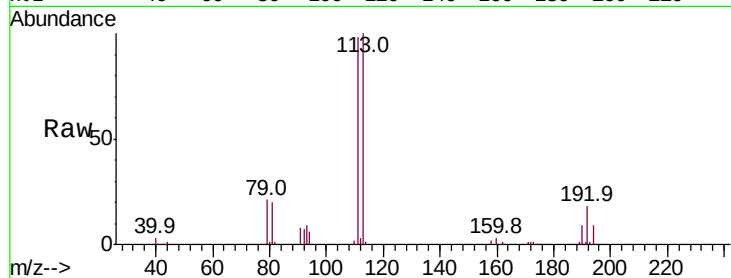
Tot Ion:113 Resp: 246622

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

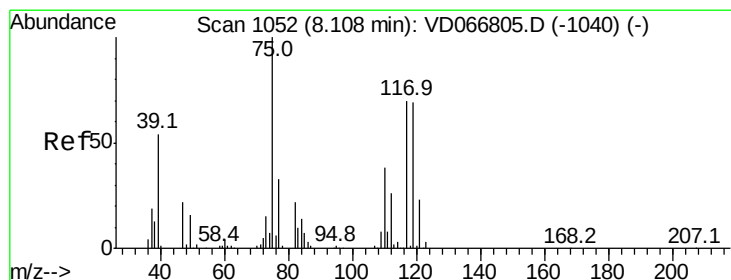
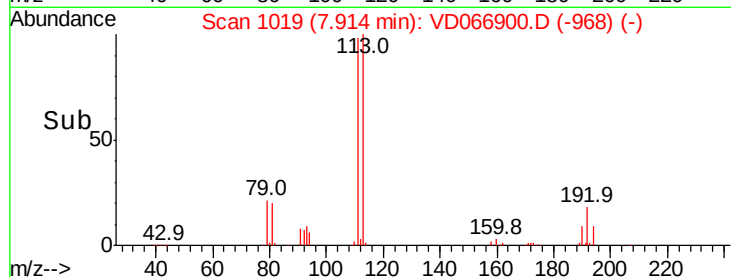
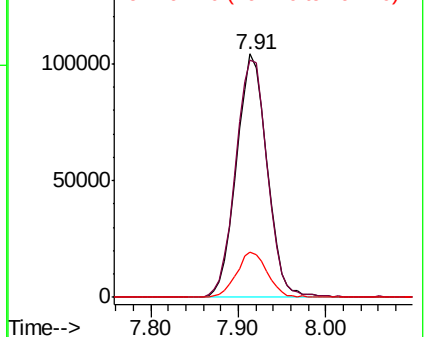
192 18.6 14.4 21.6



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: 4.756 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066900.D

Acq: 26 Sep 2020 04:56

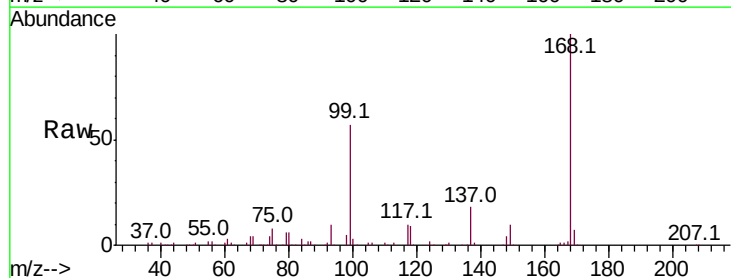
Tgt Ion: 75 Resp: 36973

Ion Ratio Lower Upper

75 100

110 8.9 17.9 53.8#

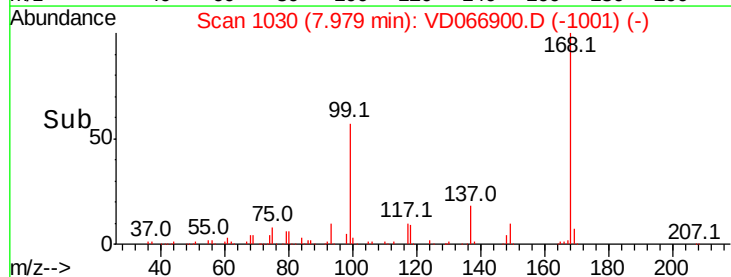
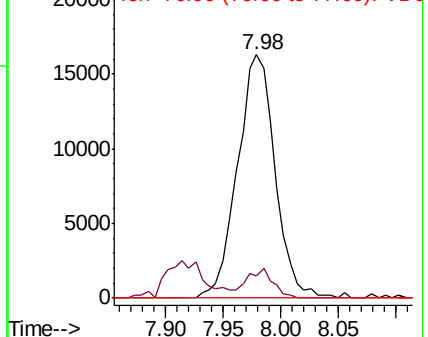
77 0.0 25.0 37.6#

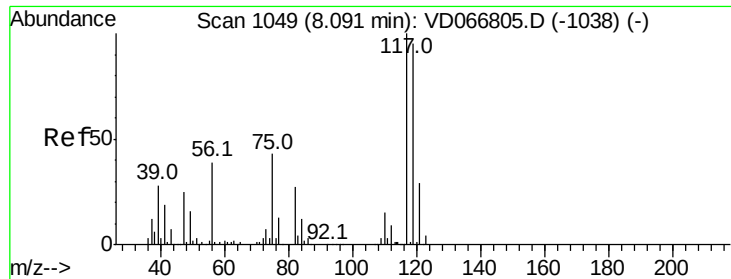


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.656 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066900.D

Acq: 26 Sep 2020 04:56

Instrument :

MSVOA_D

ClientSampleId :

B-5(13-15)

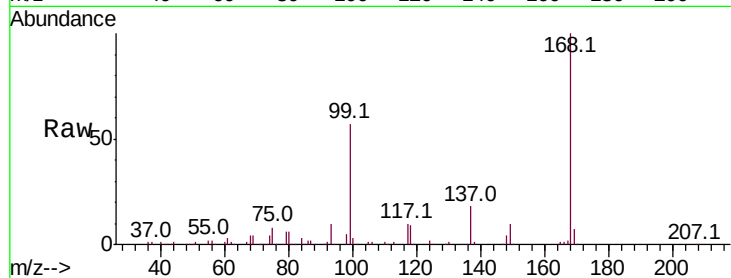
Tot Ion:117 Resp: 48073

Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.8#

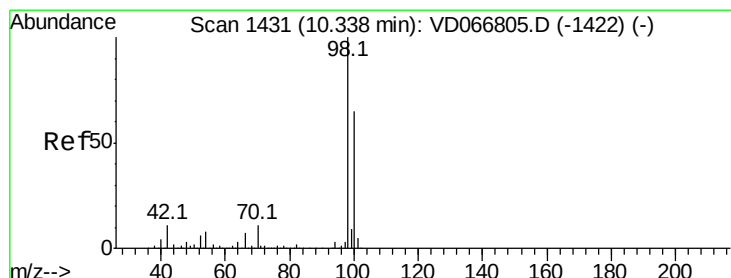
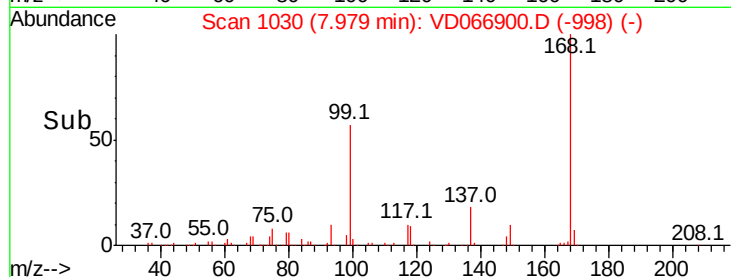
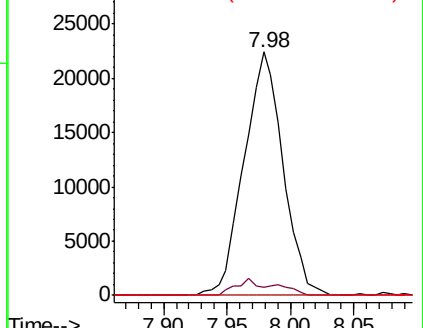
121 0.0 23.4 35.0#



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: 55.730 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066900.D

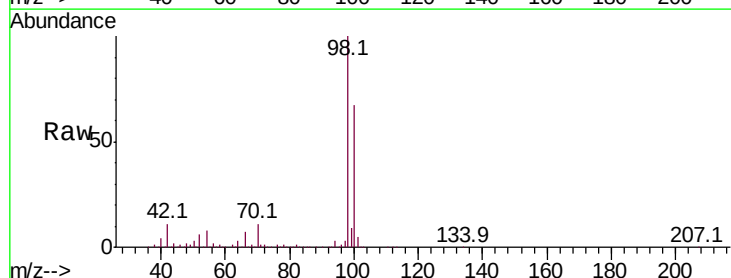
Acq: 26 Sep 2020 04:56

Tgt Ion: 98 Resp: 946691

Ion Ratio Lower Upper

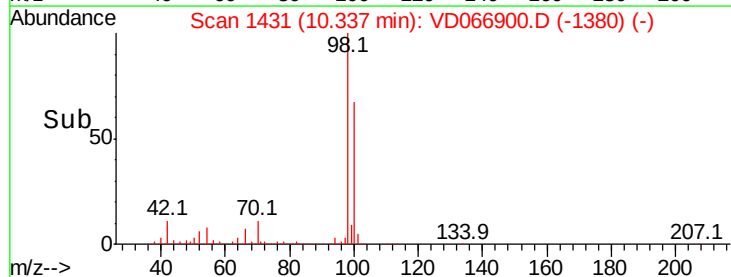
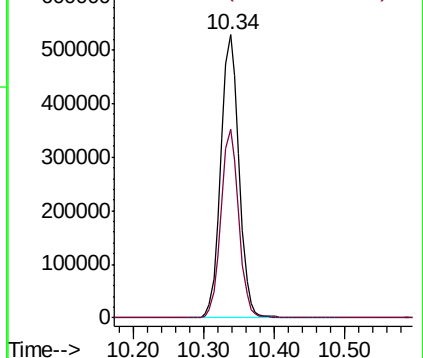
98 100

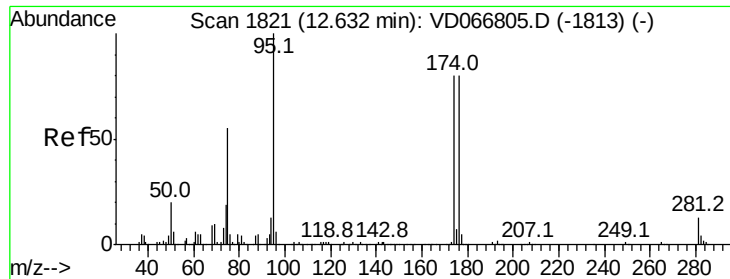
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

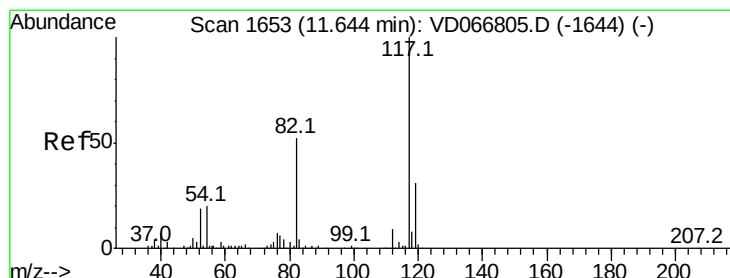
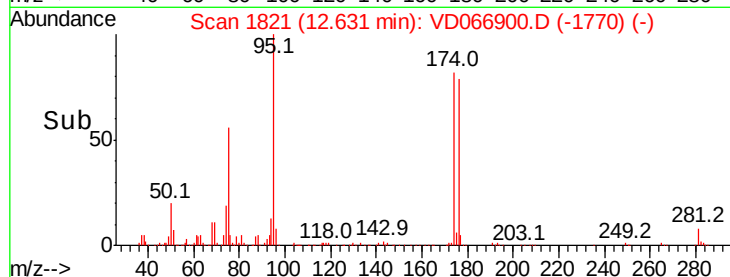
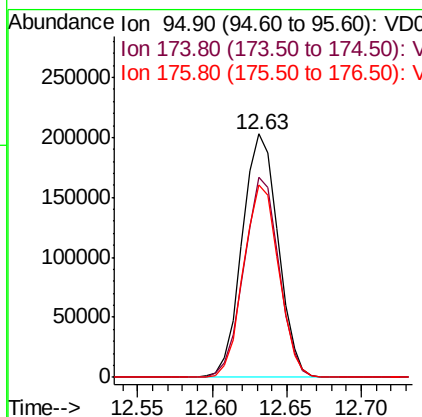
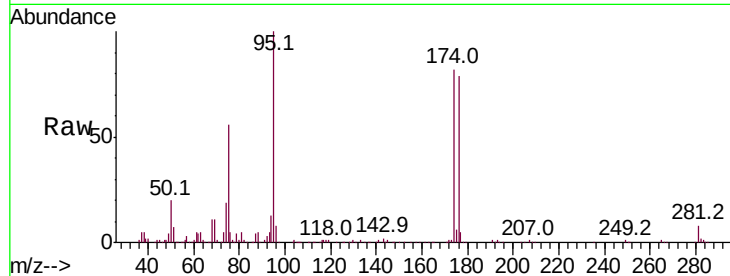




#62
4-Bromofluorobenzene
Concen: 58.109 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066900.D
Acq: 26 Sep 2020 04:56

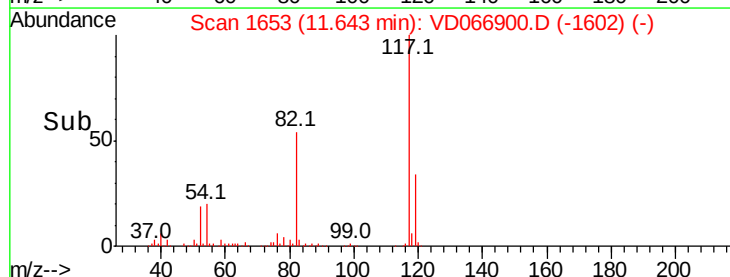
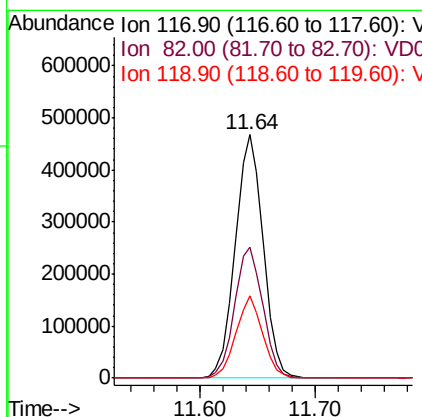
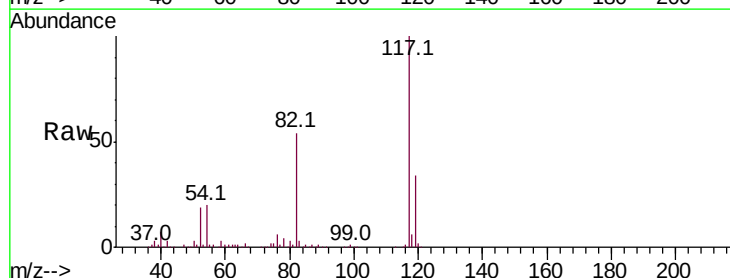
Instrument :
MSVOA_D
ClientSampleId :
B-5(13-15)

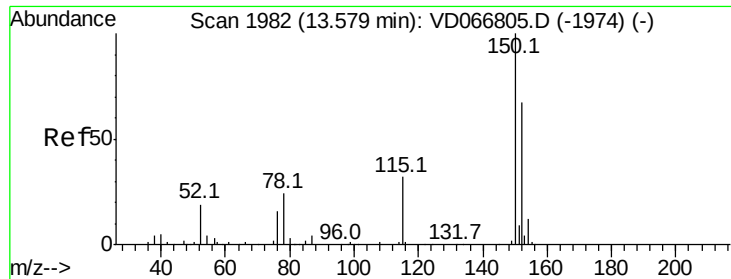
Tot Ion	95	Resp	337916
Ion Ratio	Lower	Upper	
95	100		
174	79.9	0.0	159.8
176	77.6	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066900.D
Acq: 26 Sep 2020 04:56

Tgt Ion	117	Resp	780593
Ion Ratio	Lower	Upper	
117	100		
82	53.9	41.8	62.6
119	34.0	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066900.D

Acq: 26 Sep 2020 04:56

Instrument :

MSVOA_D

ClientSampleId :

B-5(13-15)

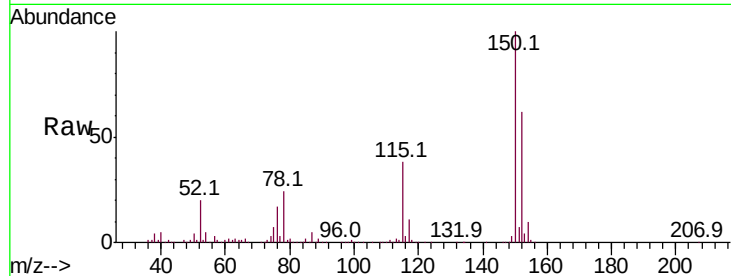
Tot Ion:152 Resp: 353863

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

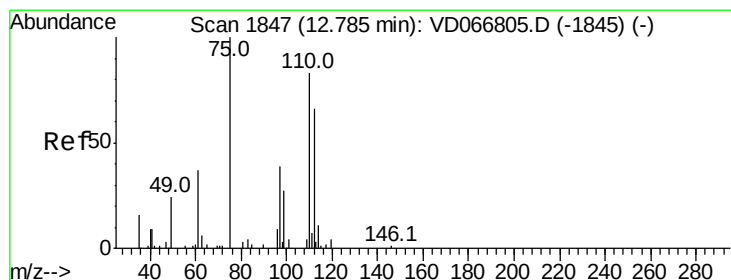
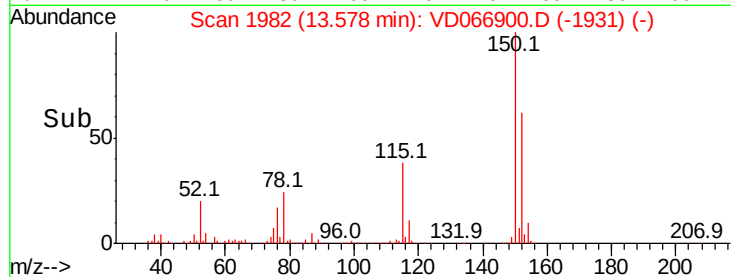
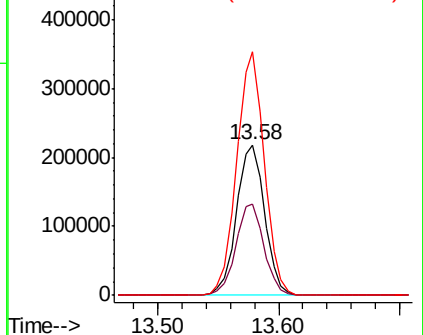
150 159.0 0.0 346.2



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: 61.503 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066900.D

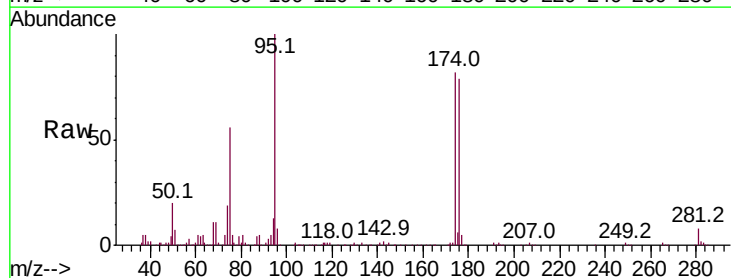
Acq: 26 Sep 2020 04:56

Tgt Ion: 75 Resp: 180360

Ion Ratio Lower Upper

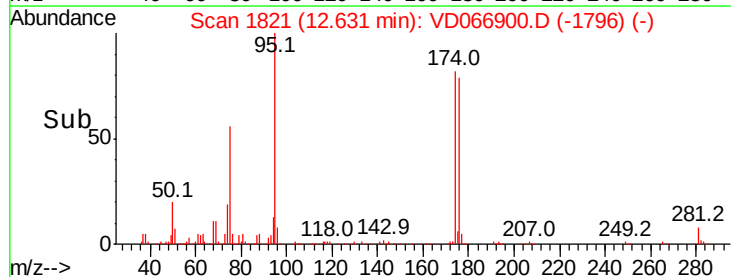
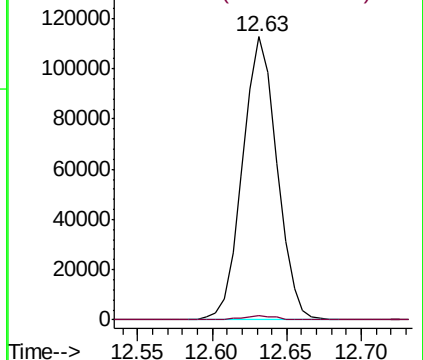
75 100

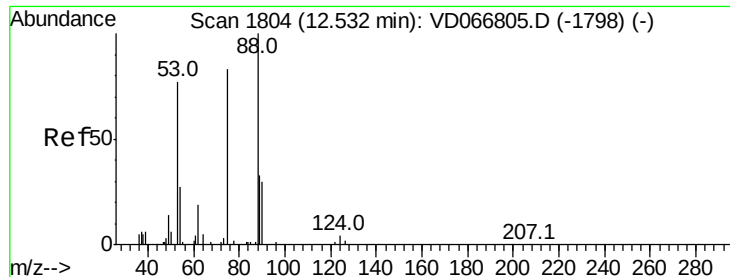
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 153.875 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066900.D

Acq: 26 Sep 2020 04:56

Instrument :

MSVOA_D

ClientSampleId :

B-5(13-15)

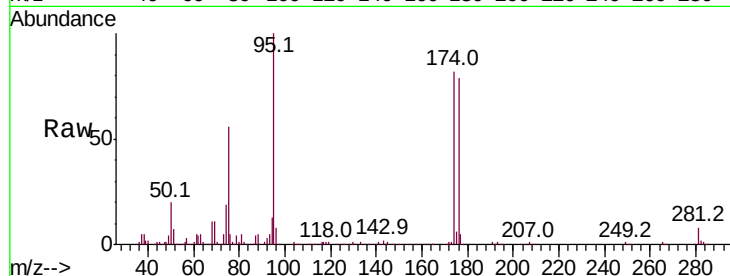
Tot Ion: 75 Resp: 180360

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

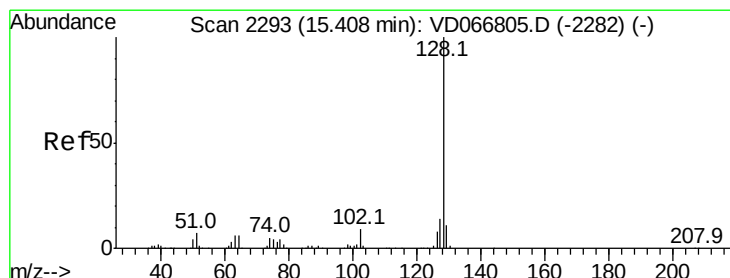
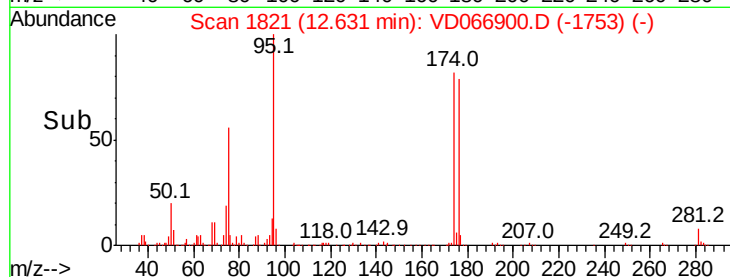
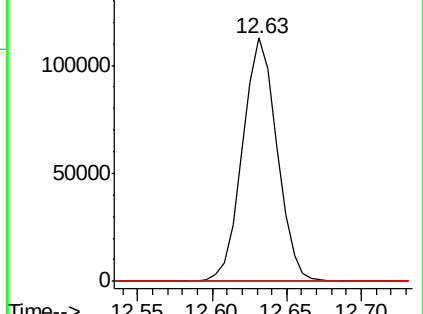
89 0.2 38.1 57.1#



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



#95

Naphthalene

Concen: 1.082 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066900.D

Acq: 26 Sep 2020 04:56

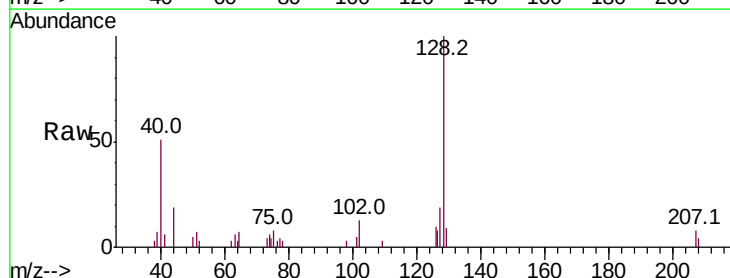
Tgt Ion:128 Resp: 11681

Ion Ratio Lower Upper

128 100

127 18.2 10.6 16.0#

129 9.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

