

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066915.D
 Acq On : 28 Sep 2020 16:05
 Operator : VA/SY
 Sample : L4173-05
 Misc : 8.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-(3FT)

Quant Time: Sep 29 00:57:43 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	35923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	61590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	69611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	32730	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	29697	84.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	168.92%	
35) Dibromofluoromethane	7.91	113	20791	53.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.12%	
50) Toluene-d8	10.34	98	74456	55.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.54%	
62) 4-Bromofluorobenzene	12.64	95	28934	63.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	126.62%	

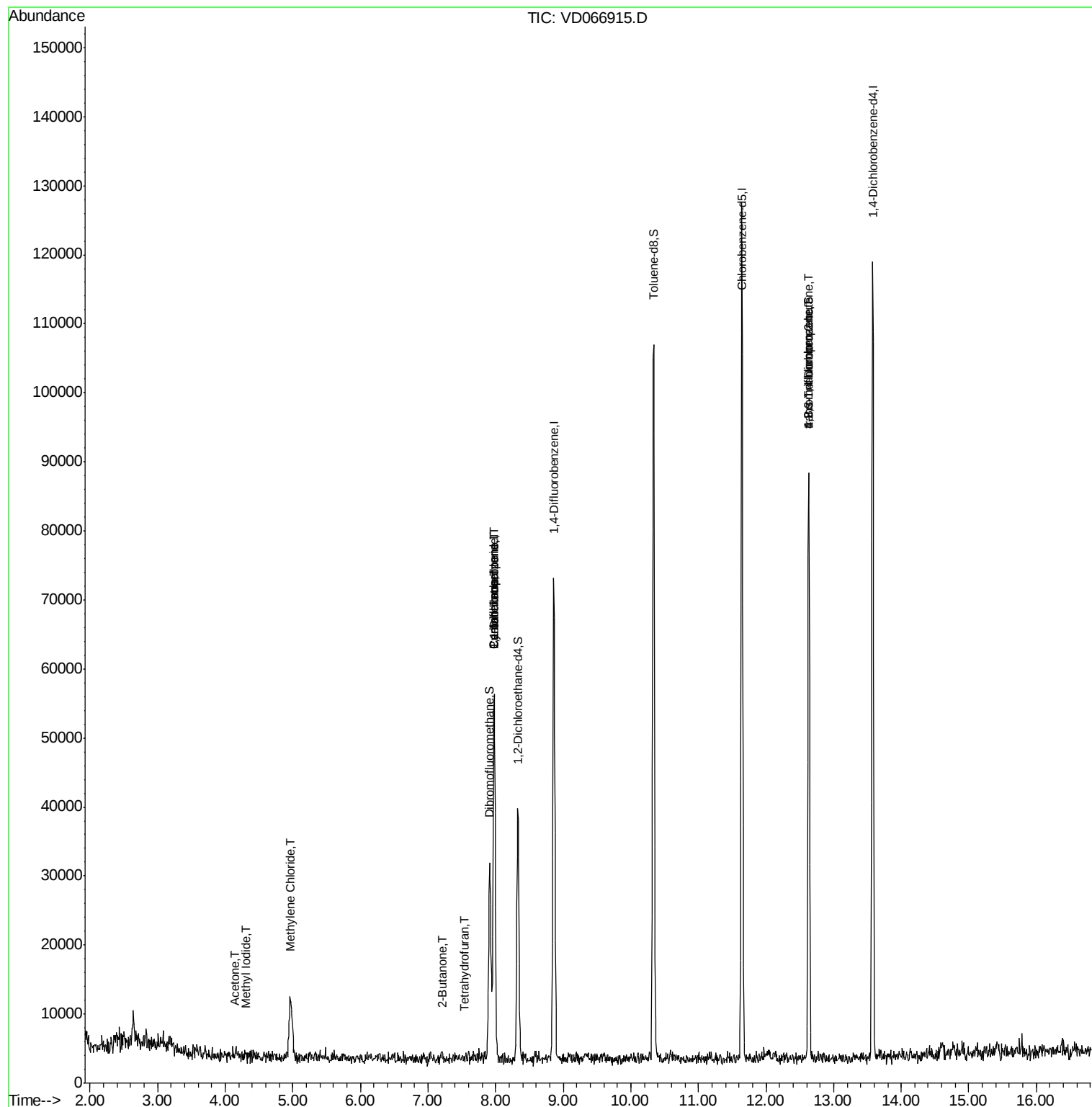
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	733	2.139	ug/l #	68
16) Acetone	4.15	43	1725	23.128	ug/l #	43
20) Methylene Chloride	4.96	84	3838	4.202	ug/l	89
25) 2-Butanone	7.21	43	260	2.901	ug/l #	46
29) Tetrahydrofuran	7.53	42	70	1.219	ug/l #	33
31) Cyclohexane	7.98	56	870	1.361	ug/l #	81
36) 1,1-Dichloropropene	7.98	75	2988	4.890	ug/l #	46
38) Carbon Tetrachloride	7.97	117	4309	6.450	ug/l #	21
76) 1,2,3-Trichloropropane	12.63	75	14975	55.209	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	14975	138.129	ug/l #	10

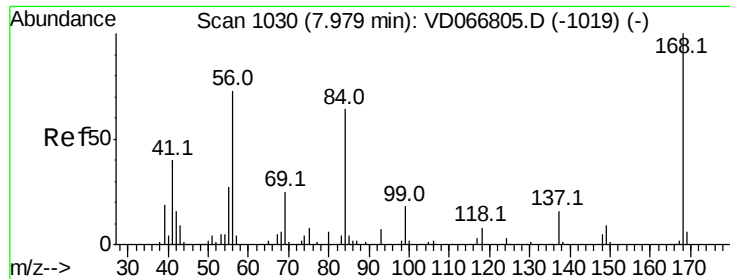
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066915.D

Acq: 28 Sep 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

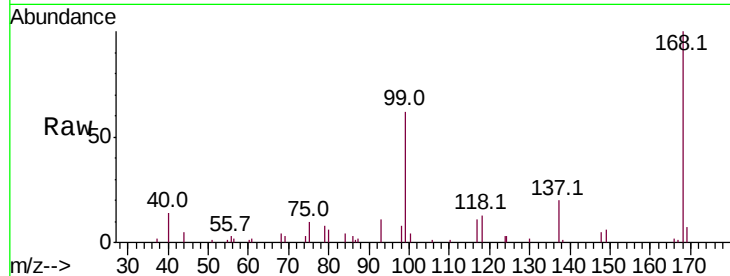
TP-2-(3FT)

Tot Ion:168 Resp: 35923

Ion Ratio Lower Upper

168 100

99 61.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

15000

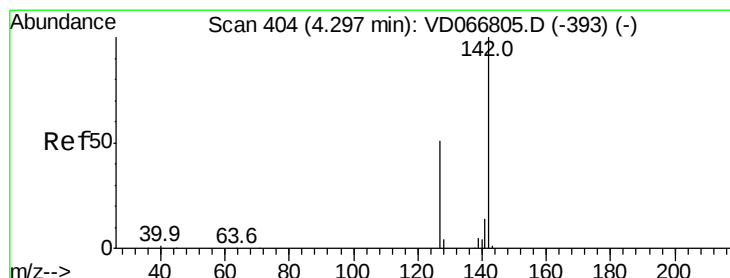
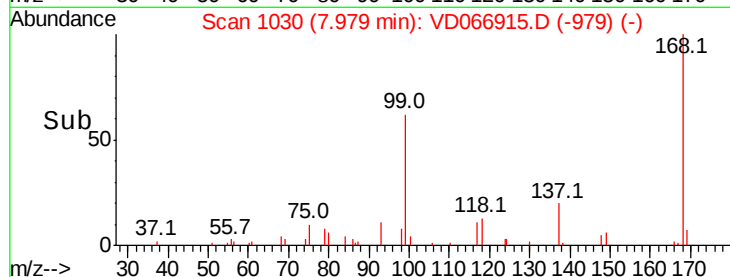
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#10

Methyl Iodide

Concen: 2.139 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

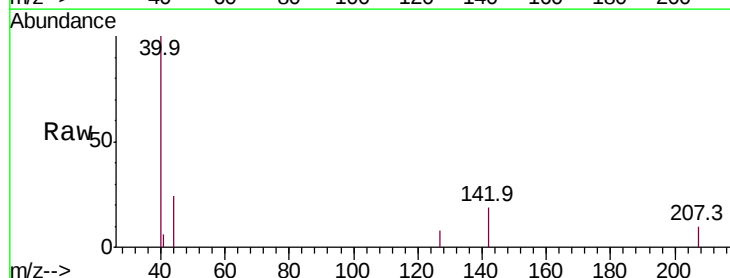
Tgt Ion:142 Resp: 733

Ion Ratio Lower Upper

142 100

127 28.2 39.4 59.0#

141 0.0 12.1 18.1#



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

4.30

600

500

400

300

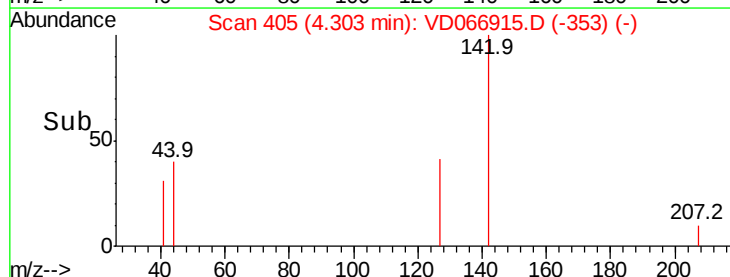
200

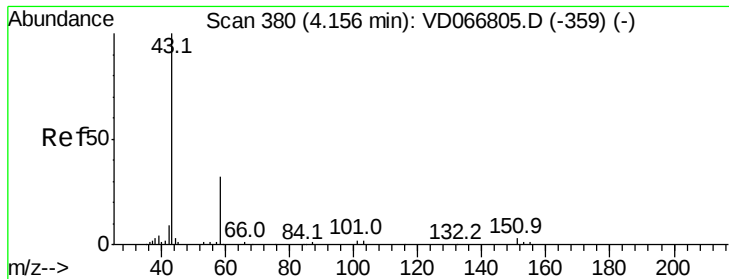
100

0

Time-->

4.25 4.30





#16

Acetone

Concen: 23.128 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

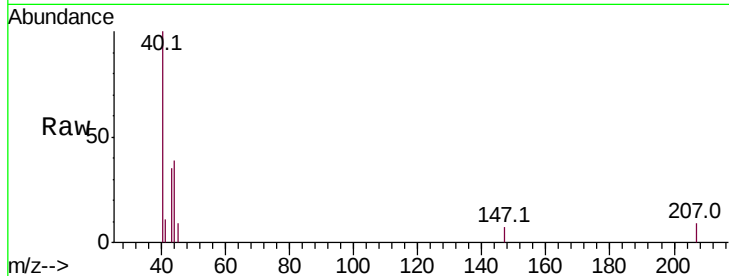
TP-2-(3FT)

Tot Ion: 43 Resp: 1725

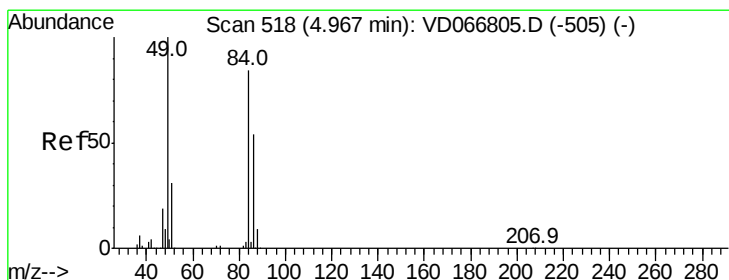
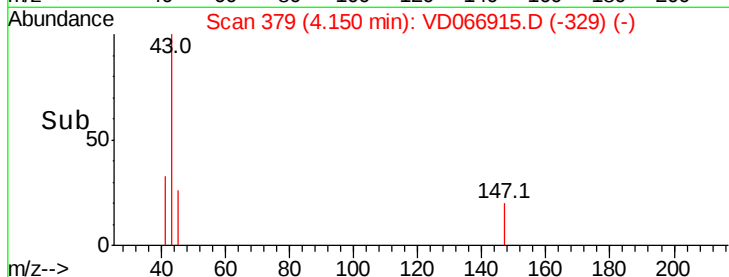
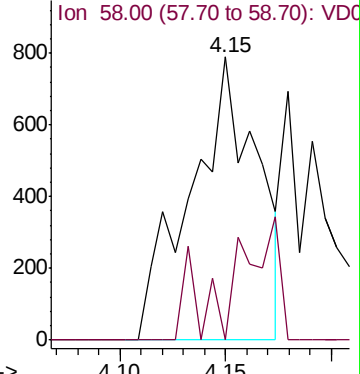
Ion Ratio Lower Upper

43 100

58 0.0 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#20

Methylene Chloride

Concen: 4.202 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

Tgt Ion: 84 Resp: 3838

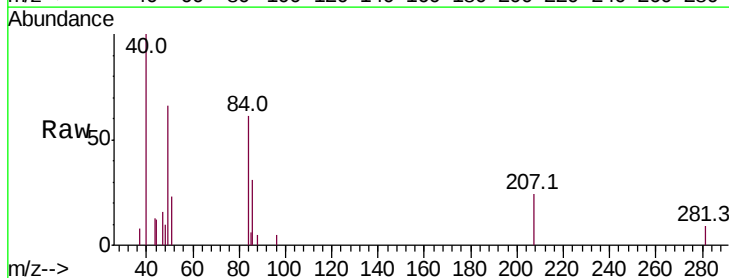
Ion Ratio Lower Upper

84 100

49 107.5 95.4 143.2

51 37.4 29.7 44.5

86 51.5 51.4 77.2

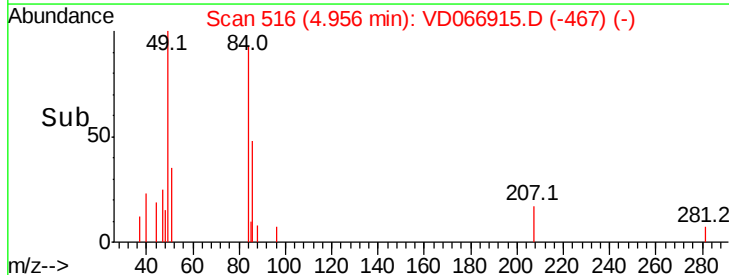
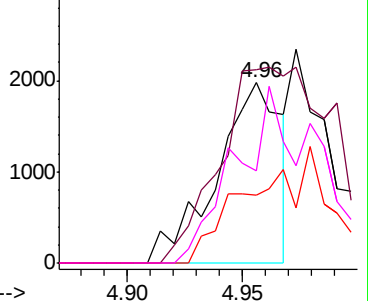


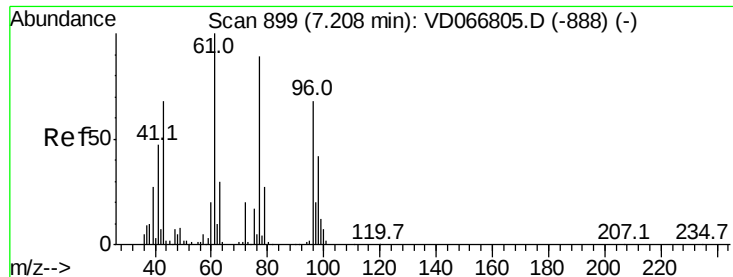
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

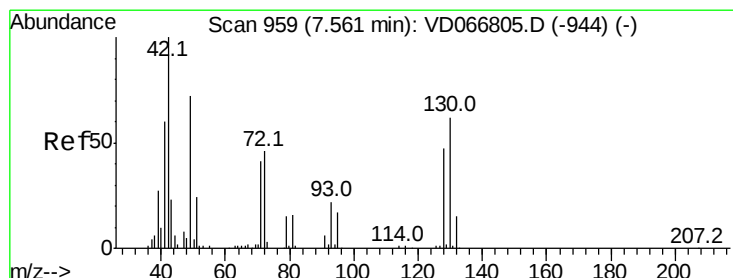
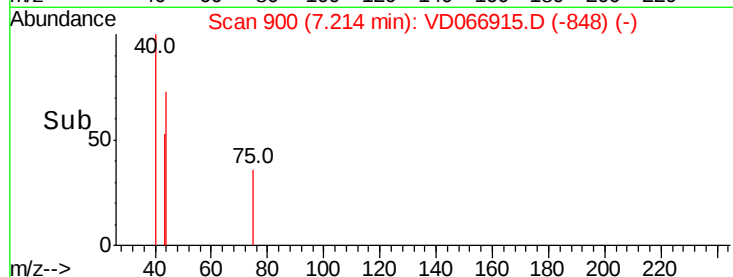
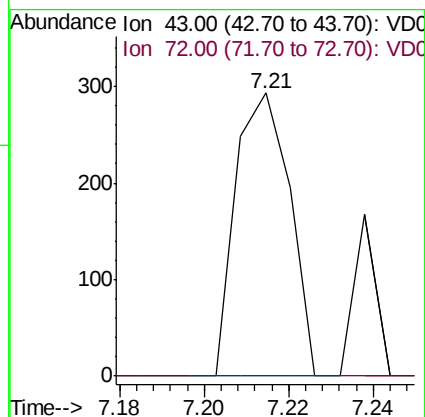
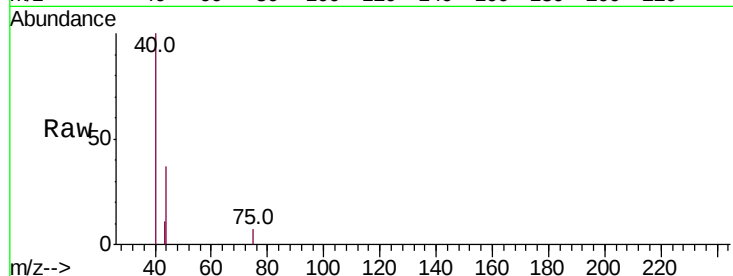




#25
2-Butanone
Concen: 2.901 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066915.D
Acq: 28 Sep 2020 16:05

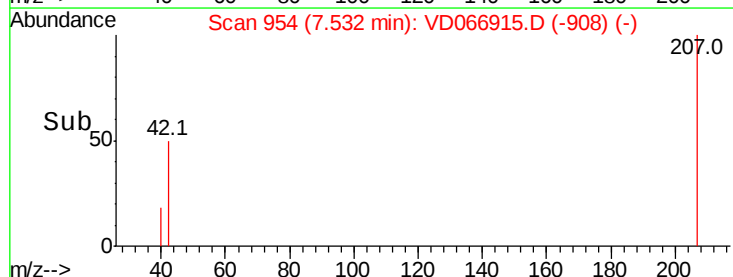
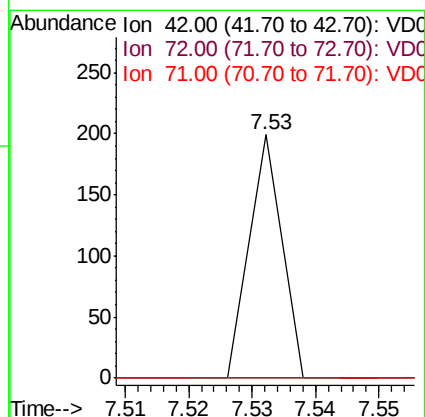
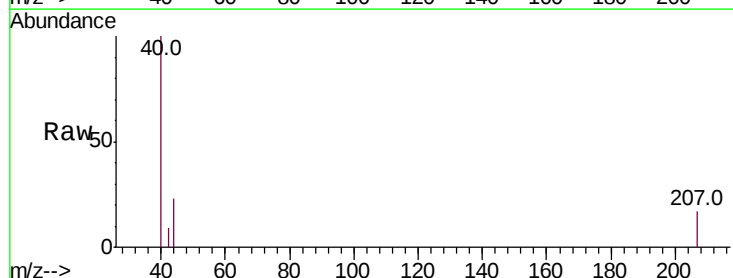
Instrument :
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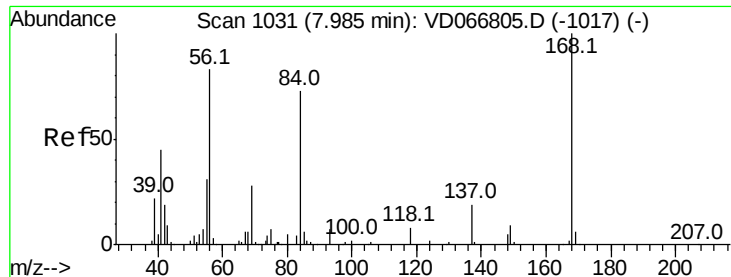
Tot Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#29
Tetrahydrofuran
Concen: 1.219 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.03 min
Lab File: VD066915.D
Acq: 28 Sep 2020 16:05

Tgt Ion: 42 Resp: 70
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 32.4 48.6#

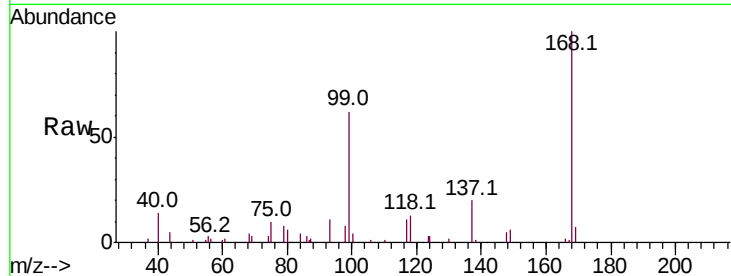




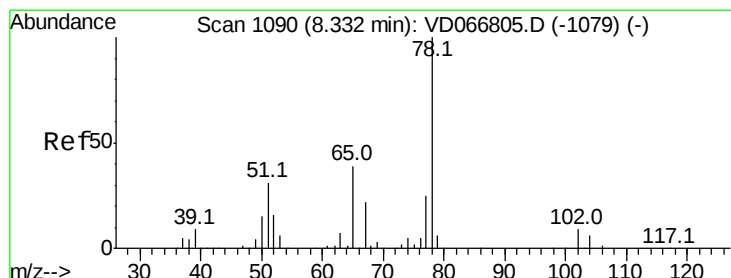
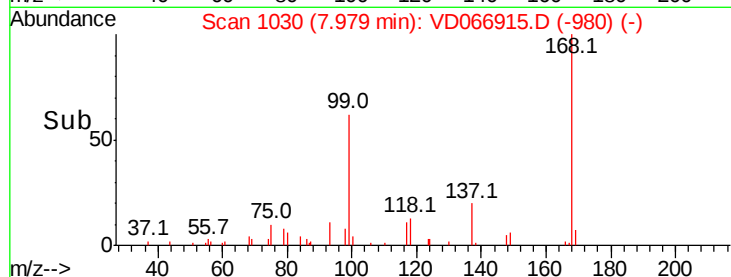
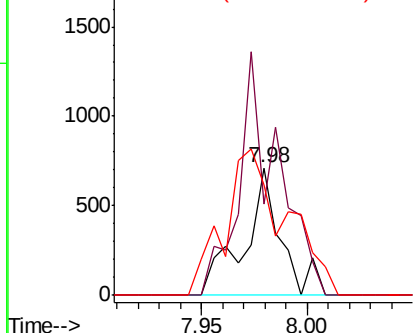
#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066915.D
Acq: 28 Sep 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
TP-2-(3FT)

Tot Ion: 56 Resp: 870
Ion Ratio Lower Upper
56 100
69 71.8 27.0 40.4#
84 86.8 70.2 105.4

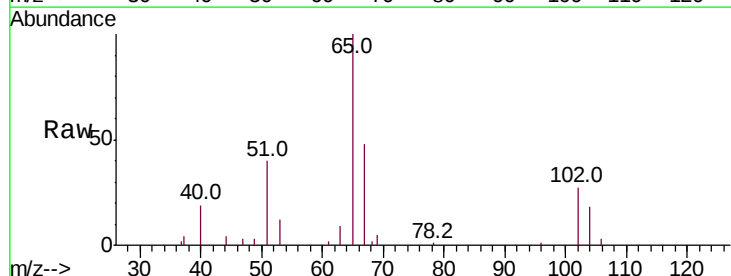


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

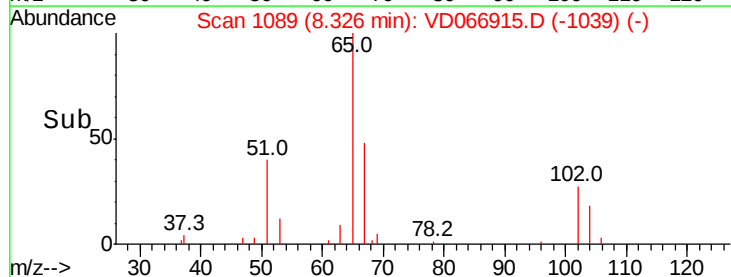
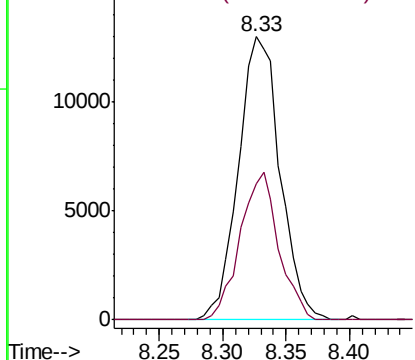


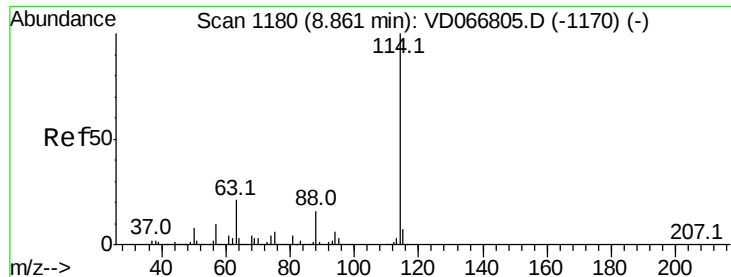
#33
1,2-Dichloroethane-d4
Concen: 84.463 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066915.D
Acq: 28 Sep 2020 16:05

Tgt Ion: 65 Resp: 29697
Ion Ratio Lower Upper
65 100
67 48.2 0.0 107.2



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: VD066915.D

Acq: 28 Sep 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

TP-2-(3FT)

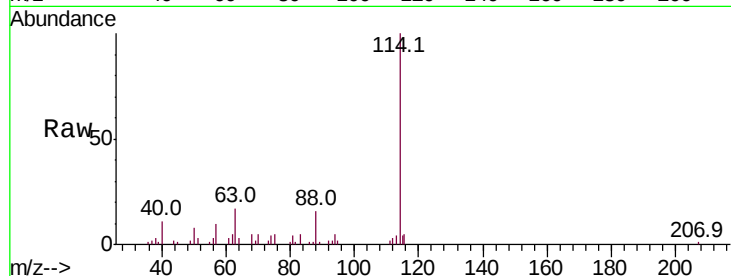
Tot Ion:114 Resp: 61590

Ion Ratio Lower Upper

114 100

63 16.7 0.0 42.6

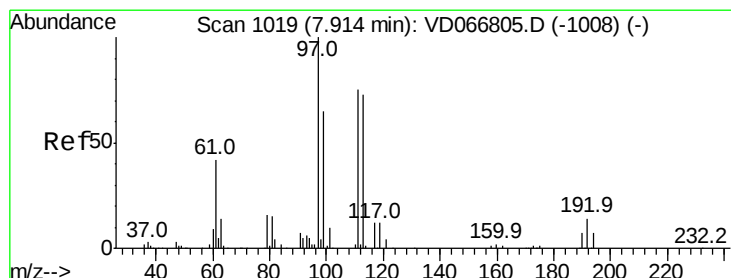
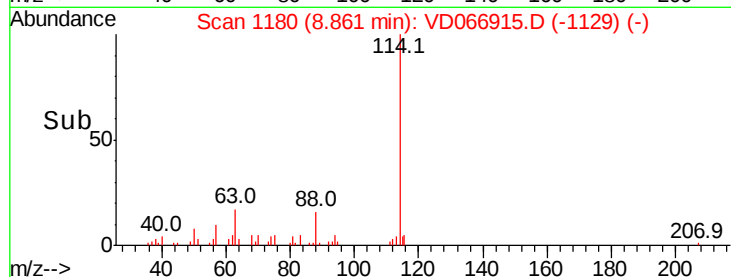
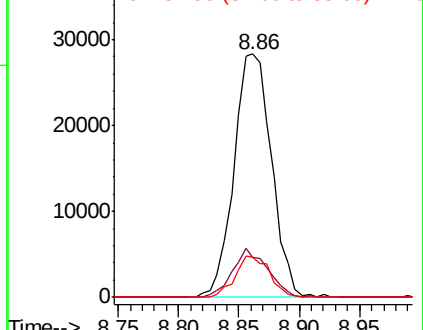
88 16.3 0.0 32.6



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: 53.061 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

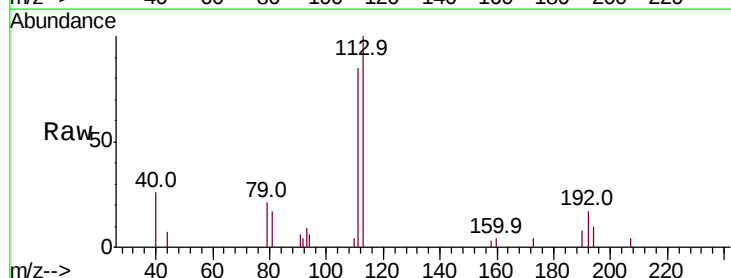
Tgt Ion:113 Resp: 20791

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

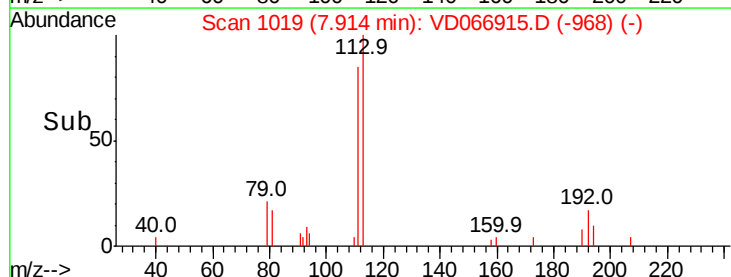
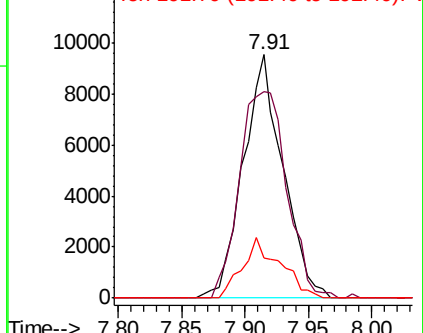
192 23.5 14.4 21.6#

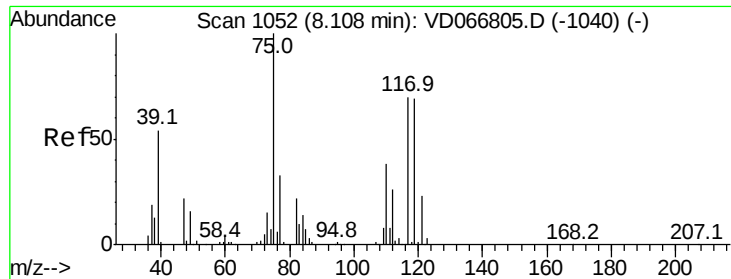


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

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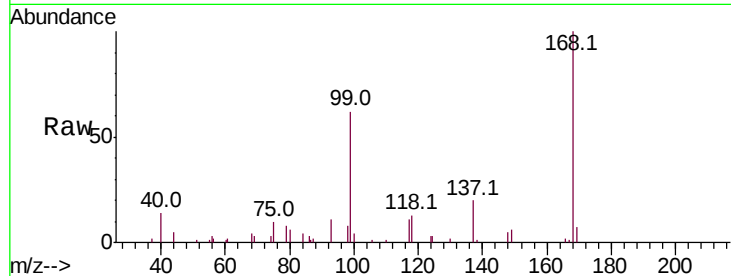
Tot Ion: 75 Resp: 2988

Ion Ratio Lower Upper

75 100

110 5.6 17.9 53.8#

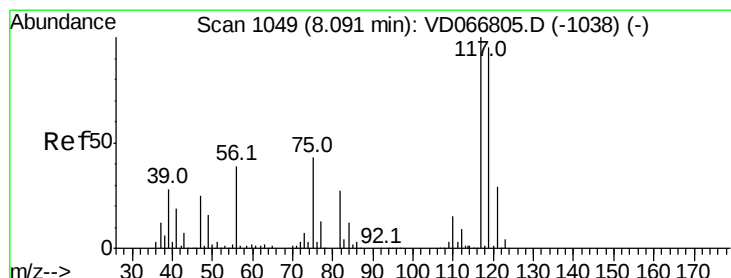
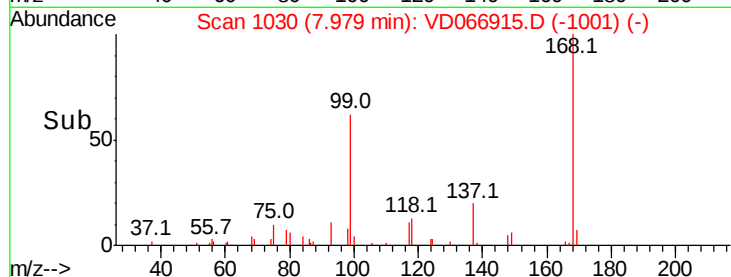
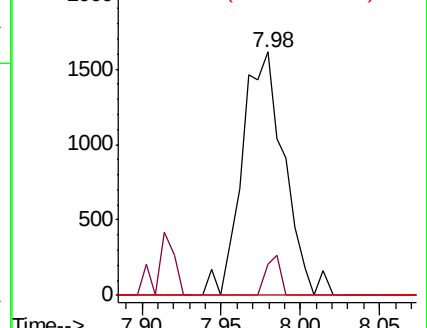
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD066915.D (-1001) (-)

Ion 109.90 (109.60 to 110.60): VD066915.D (-1001) (-)

Ion 76.90 (76.60 to 77.60): VD066915.D (-1001) (-)



#38

Carbon Tetrachloride

Concen: 6.450 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

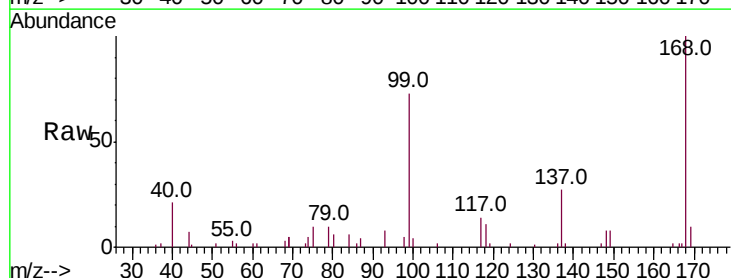
Tgt Ion: 117 Resp: 4309

Ion Ratio Lower Upper

117 100

119 11.0 75.8 113.8#

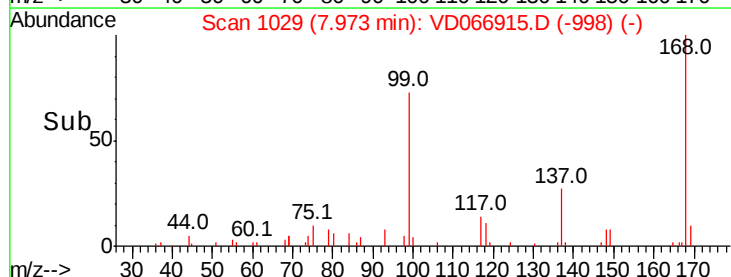
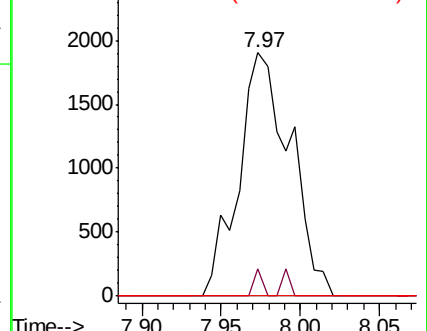
121 0.0 23.4 35.0#

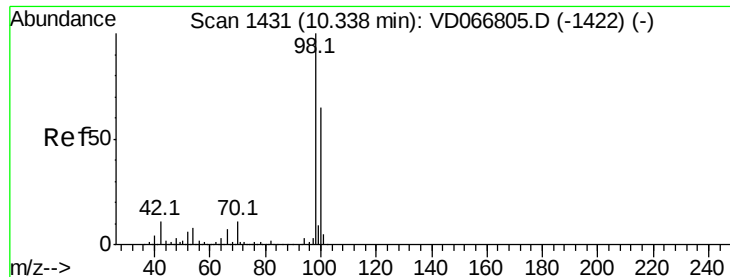


Abundance Ion 116.80 (116.50 to 117.50): VD066915.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066915.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066915.D (-998) (-)





#50

Toluene-d8

Concen: 55.770 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

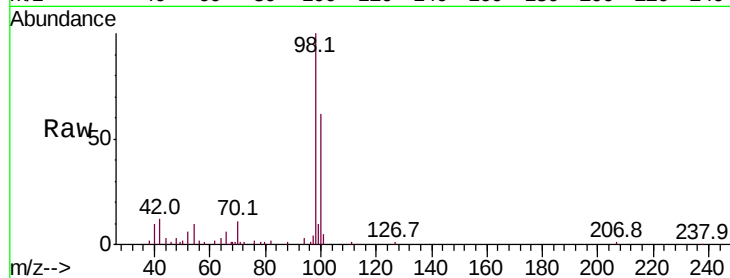
TP-2-(3FT)

Tot Ion: 98 Resp: 74456

Ion Ratio Lower Upper

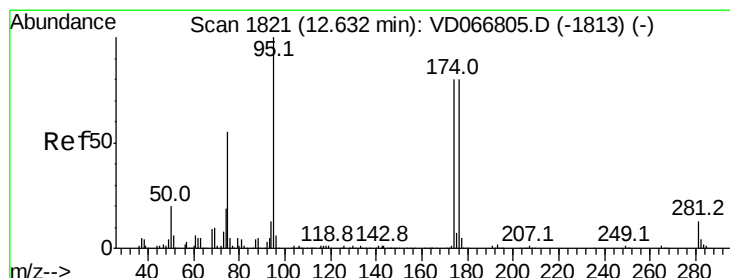
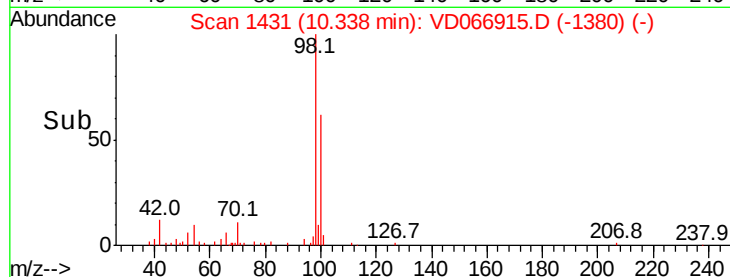
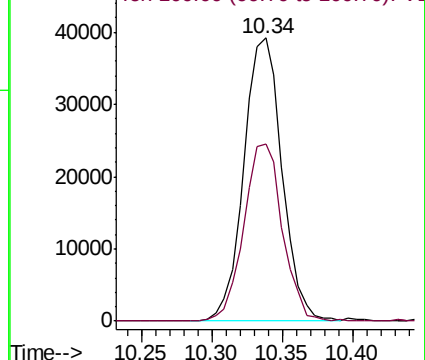
98 100

100 63.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 63.308 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

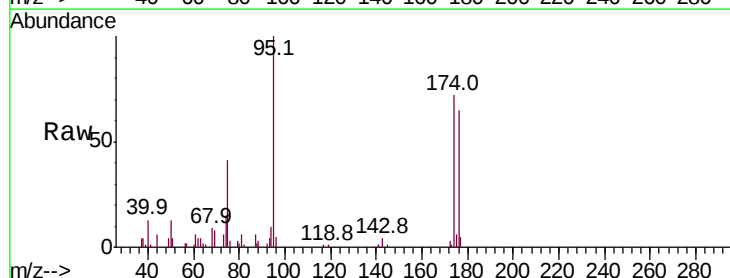
Tgt Ion: 95 Resp: 28934

Ion Ratio Lower Upper

95 100

174 82.5 0.0 159.8

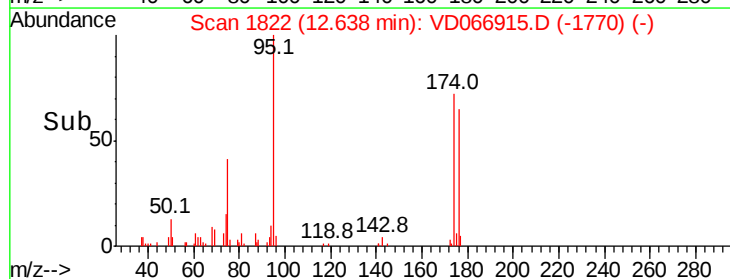
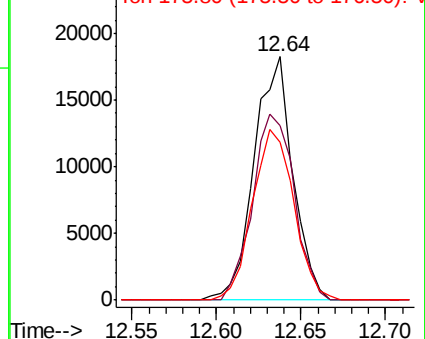
176 75.2 0.0 154.4

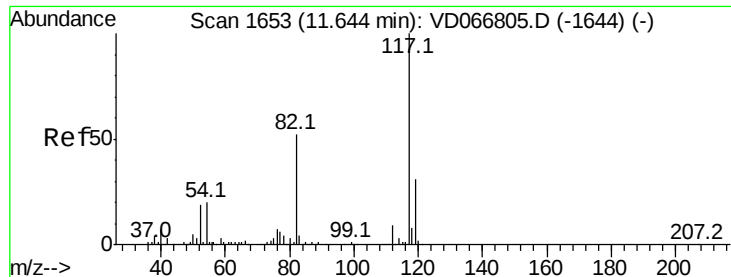


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

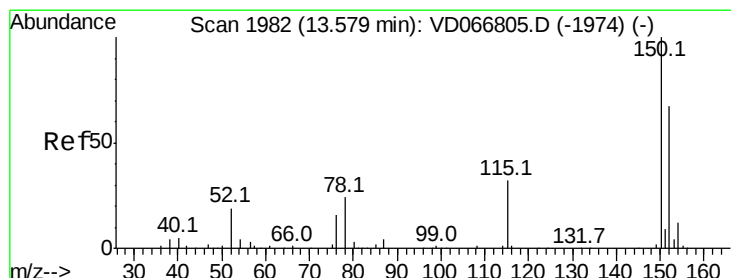
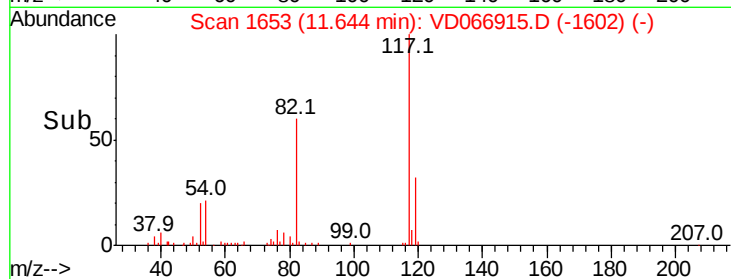
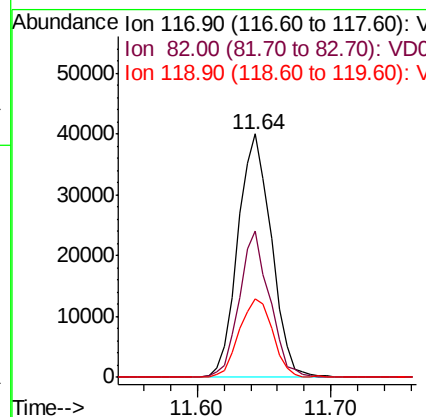
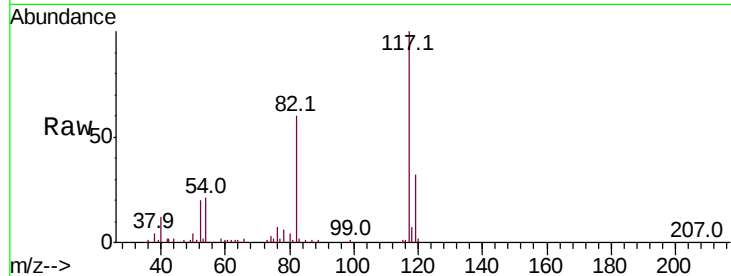




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066915.D
Acq: 28 Sep 2020 16:05

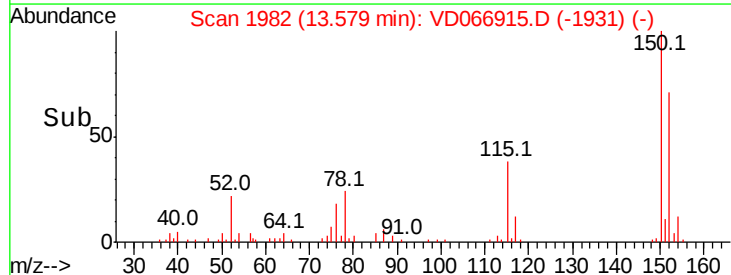
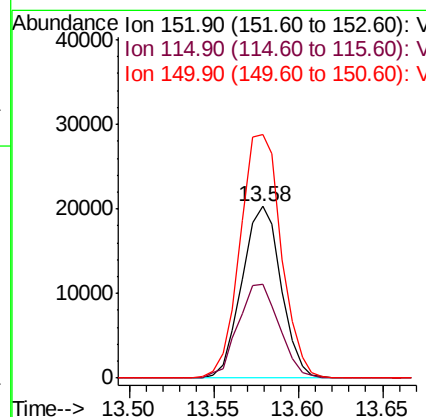
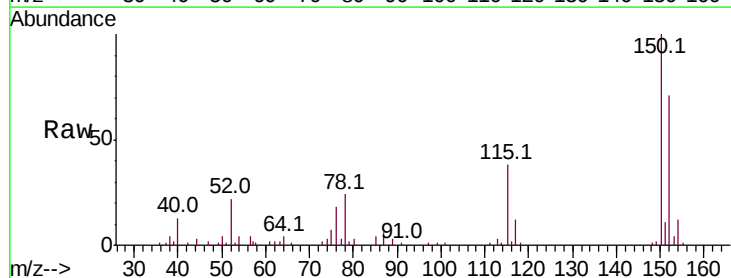
Instrument :
MSVOA_D
ClientSampled :
TP-2-(3FT)

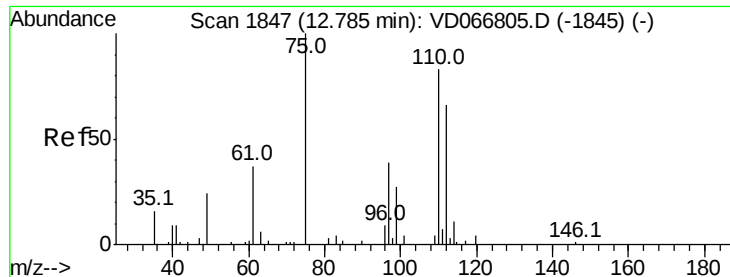
Tot Ion:117 Resp: 69611
Ion Ratio Lower Upper
117 100
82 60.2 41.8 62.6
119 32.2 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066915.D
Acq: 28 Sep 2020 16:05

Tgt Ion:152 Resp: 32730
Ion Ratio Lower Upper
152 100
115 57.5 30.3 91.0
150 149.5 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 55.209 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

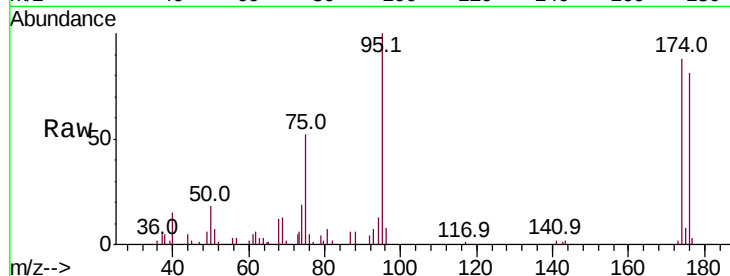
TP-2-(3FT)

Tot Ion: 75 Resp: 14975

Ion Ratio Lower Upper

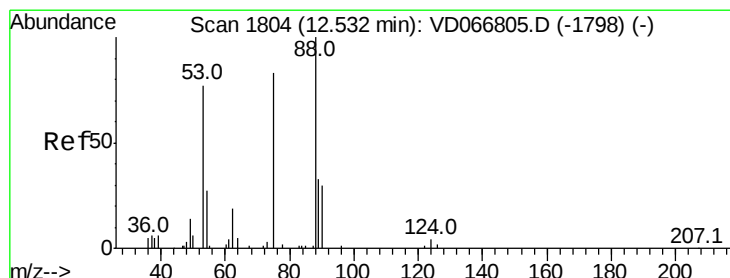
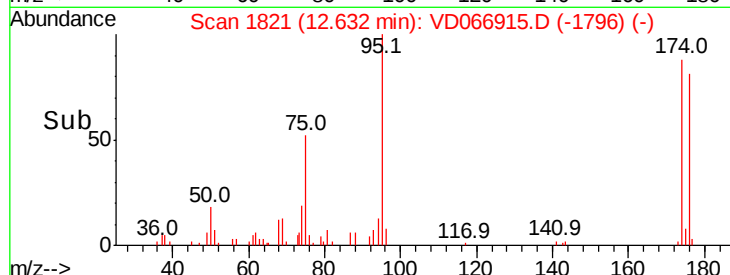
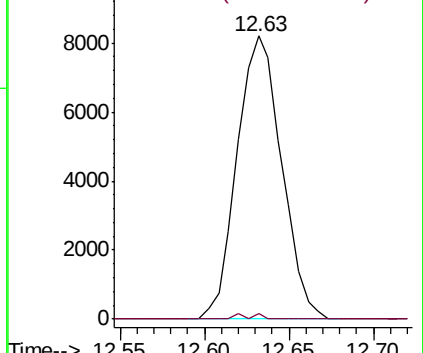
75 100

77 0.8 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: 138.129 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066915.D

Acq: 28 Sep 2020 16:05

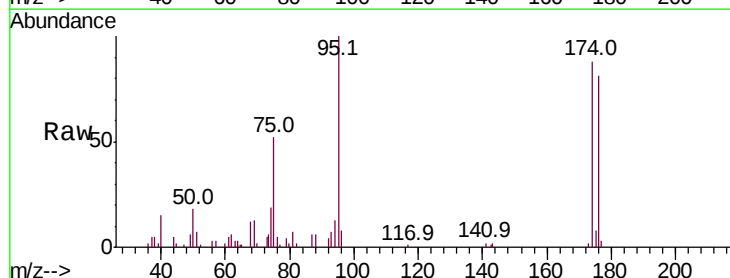
Tgt Ion: 75 Resp: 14975

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 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

