

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066879.D
 Acq On : 25 Sep 2020 17:34
 Operator : VA/SY
 Sample : L4162-03
 Misc : 6.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-031-IDWSO-20200924

Quant Time: Sep 26 03:01:54 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	408710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	715904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	721903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	338454	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	213565	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
35) Dibromofluoromethane	7.91	113	224534	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.34	98	871703	56.17	ug/l	0.00
Spiked Amount			Recovery	=	112.34%	
62) 4-Bromofluorobenzene	12.63	95	312480	58.82	ug/l	0.00
Spiked Amount			Recovery	=	117.64%	

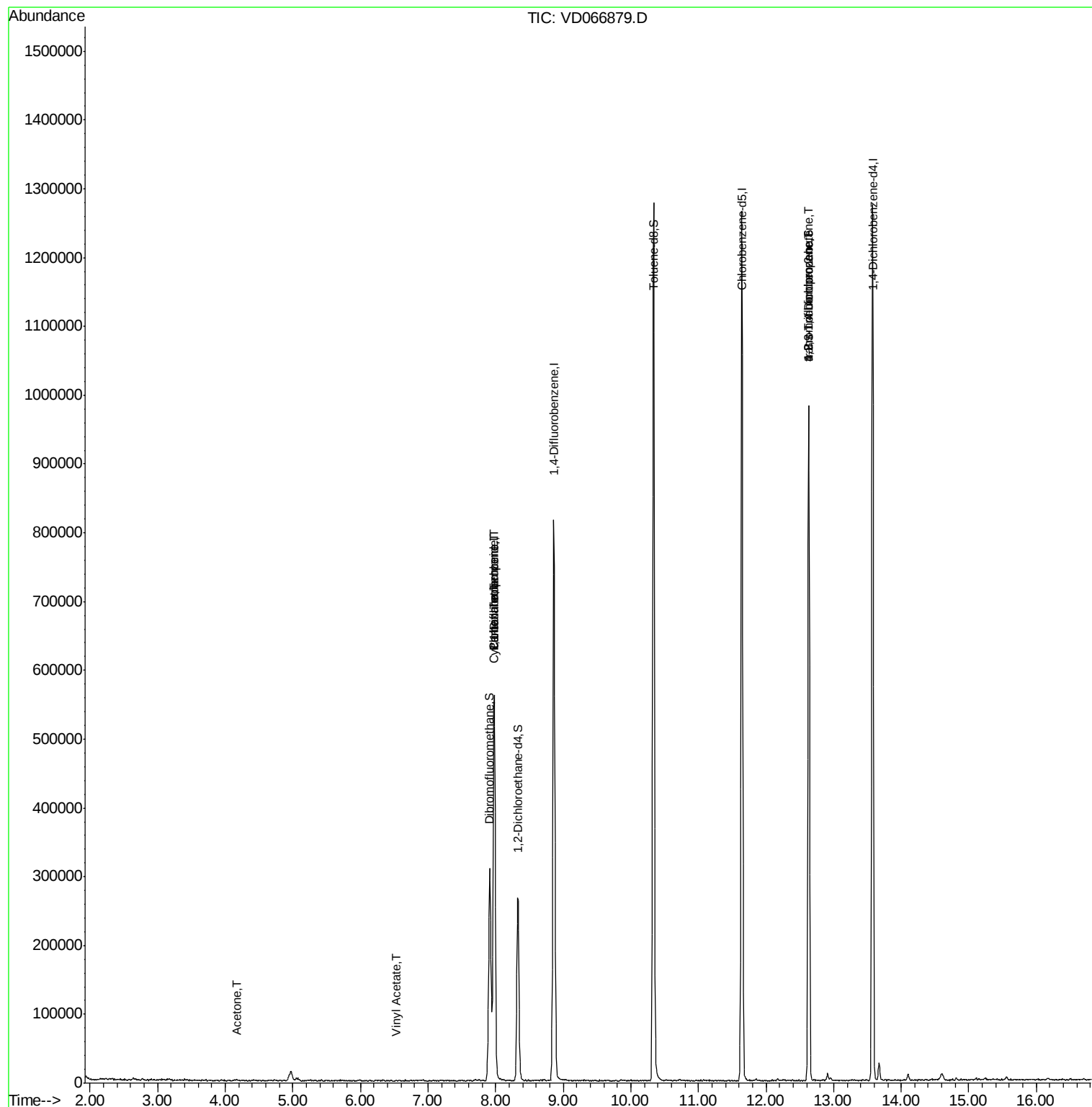
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	53	Below Cal	#	1
16) Acetone	4.17	43	2048	2.413	ug/l #	43
18) Methyl Acetate	4.71	43	290	Below Cal	#	63
20) Methylene Chloride	4.98	84	11420	Below Cal	#	78
23) Vinyl Acetate	6.53	43	56	2.680	ug/l #	71
31) Cyclohexane	7.97	56	9482	1.304	ug/l #	41
36) 1,1-Dichloropropene	7.98	75	33098	4.660	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43423	5.592	ug/l #	17
49) 1,4-Dioxane	9.46	88	201	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	163899	58.434	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	163899	146.198	ug/l #	10

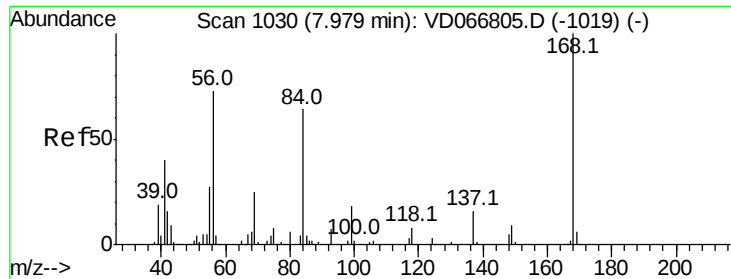
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

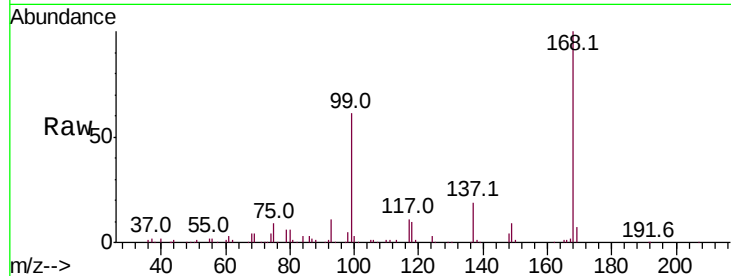
TT-031-IDWSO-20200924

Tot Ion:168 Resp: 408710

Ion Ratio Lower Upper

168 100

99 61.1 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

200000

150000

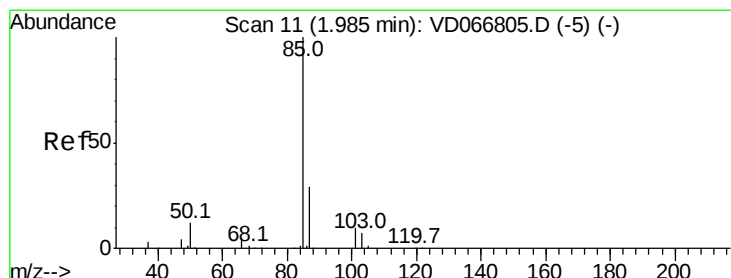
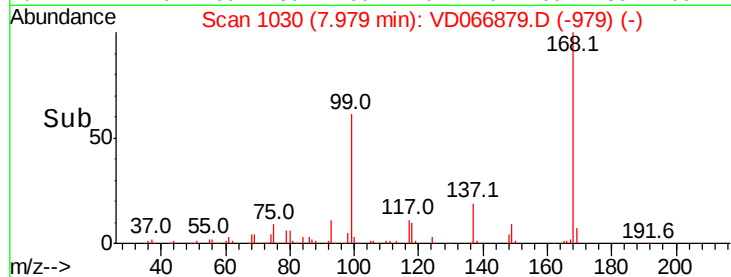
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066879.D

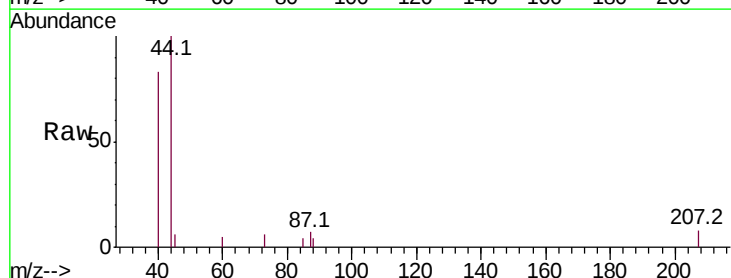
Acq: 25 Sep 2020 17:34

Tgt Ion: 85 Resp: 53

Ion Ratio Lower Upper

85 100

87 170.7 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

300

250

200

150

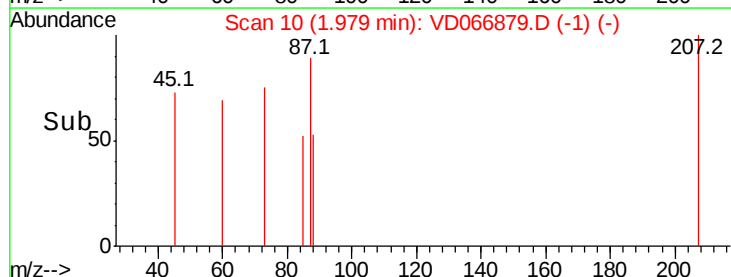
100

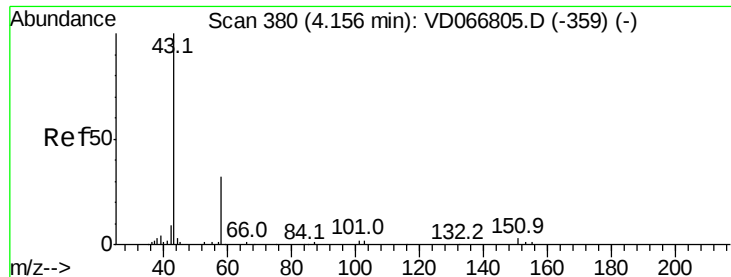
50

0

Time-->

1.96 1.97 1.98 1.99





#16

Acetone

Concen: 2.413 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

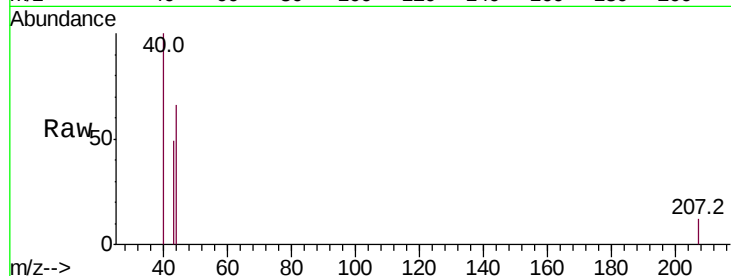
TT-031-IDWSO-20200924

Tot Ion: 43 Resp: 2048

Ion Ratio Lower Upper

43 100

58 0.0 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1200

1000

800

600

400

200

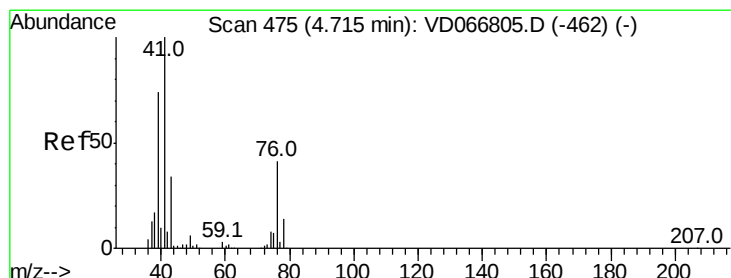
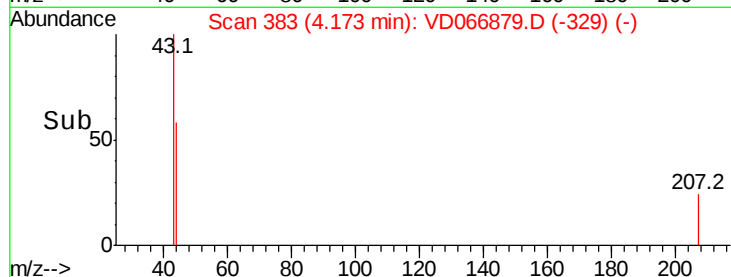
0

4.10

4.15

4.20

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066879.D

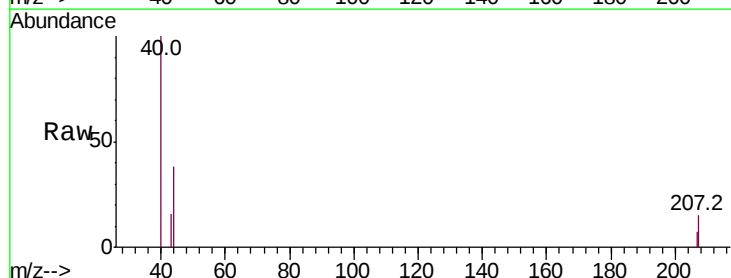
Acq: 25 Sep 2020 17:34

Tgt Ion: 43 Resp: 290

Ion Ratio Lower Upper

43 100

74 44.1 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

400

300

200

100

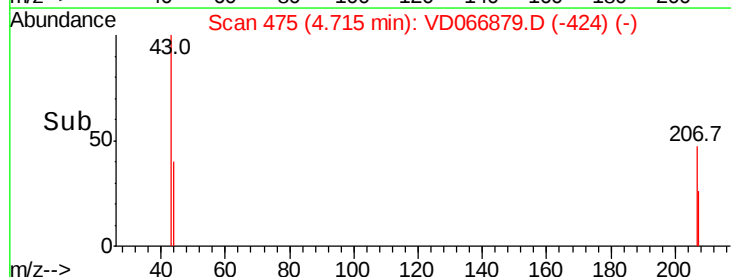
0

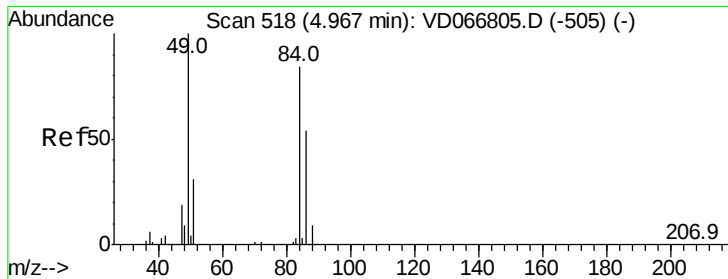
4.70

4.72

4.74

Time-->

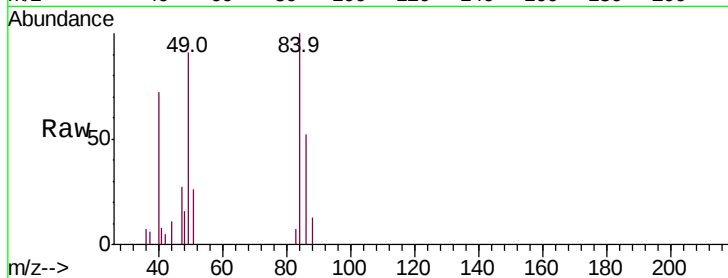




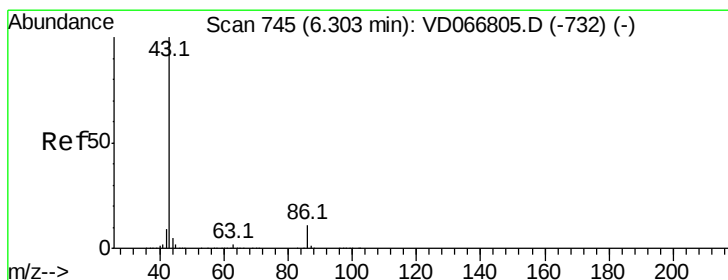
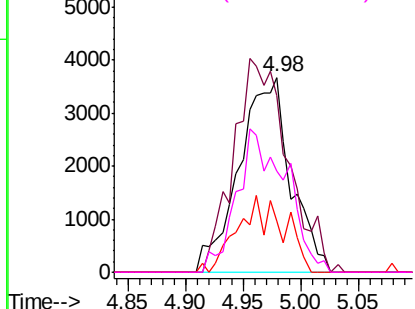
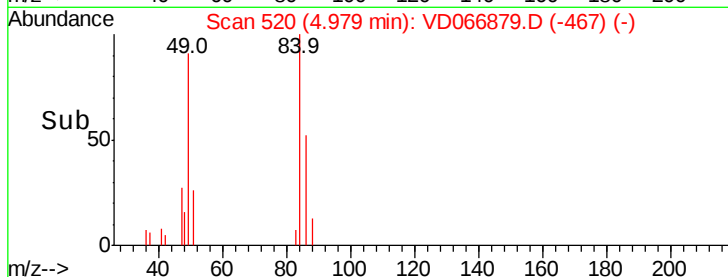
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD066879.D
Acq: 25 Sep 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
TT-031-IDWSO-20200924

Tot Ion: 84 Resp: 11420
Ion Ratio Lower Upper
84 100
49 90.7 95.4 143.2#
51 26.1 29.7 44.5#
86 51.7 51.4 77.2

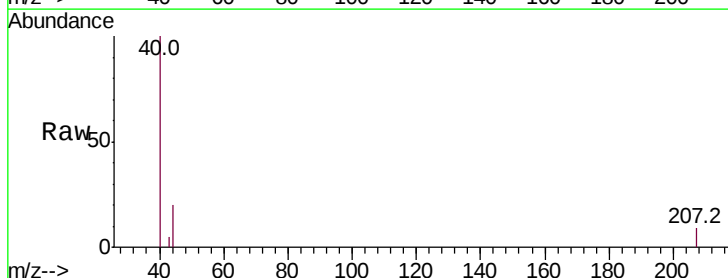


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

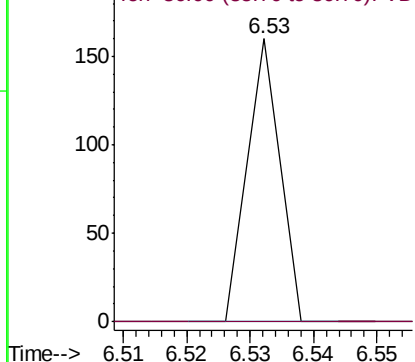
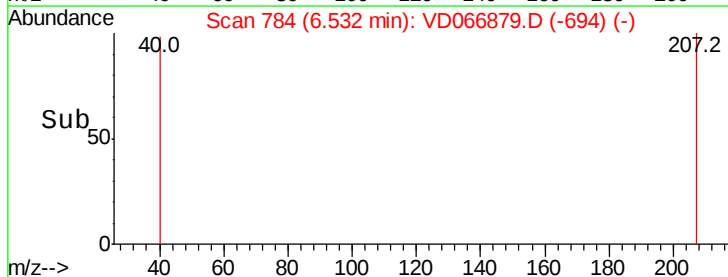


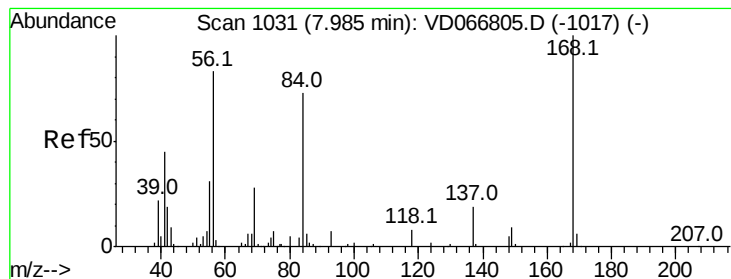
#23
Vinyl Acetate
Concen: 2.680 ug/l
RT: 6.53 min Scan# 784
Delta R.T. 0.23 min
Lab File: VD066879.D
Acq: 25 Sep 2020 17:34

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC





#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

TT-031-IDWSO-20200924

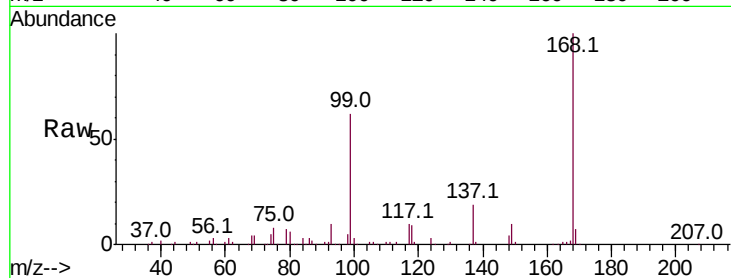
Tot Ion: 56 Resp: 9482

Ion Ratio Lower Upper

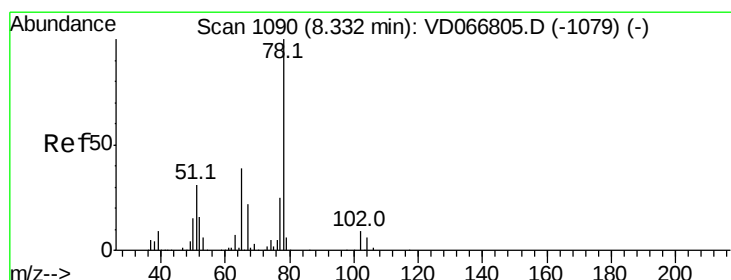
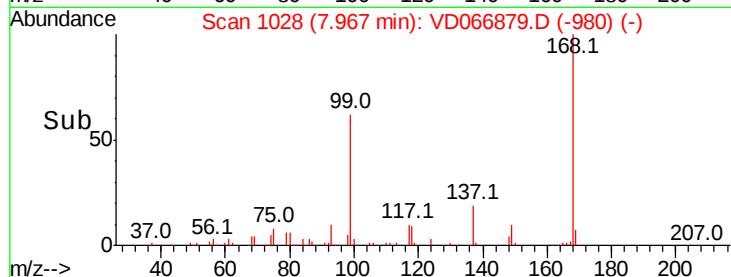
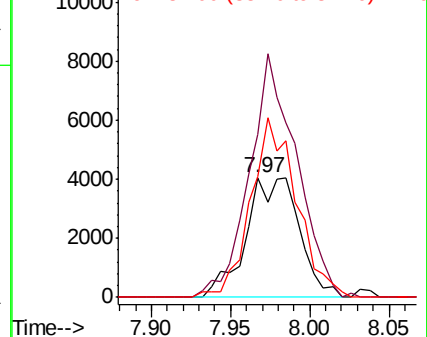
56 100

69 135.6 27.0 40.4#

84 100.5 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: 53.387 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066879.D

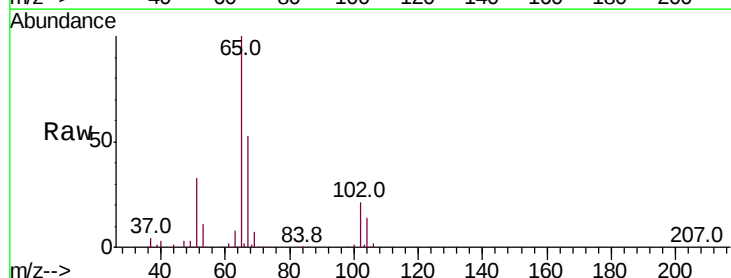
Acq: 25 Sep 2020 17:34

Tgt Ion: 65 Resp: 213565

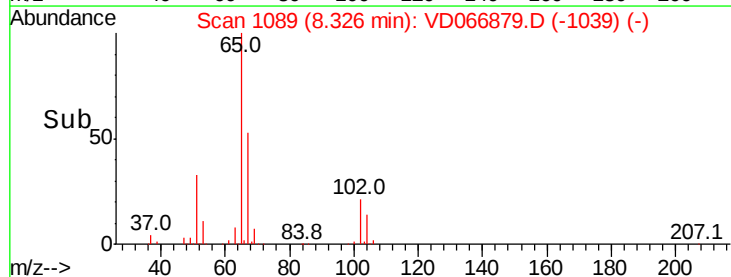
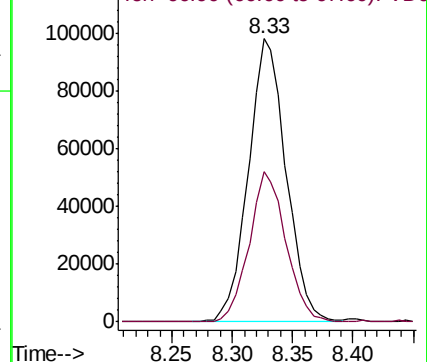
Ion Ratio Lower Upper

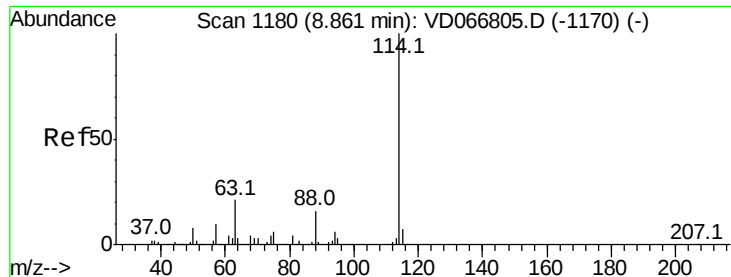
65 100

67 51.7 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: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

TT-031-IDWSO-20200924

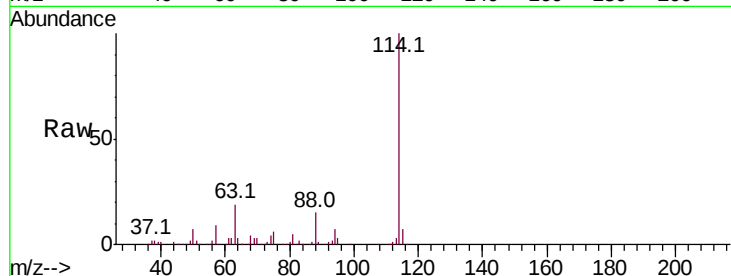
Tot Ion:114 Resp: 715904

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.6

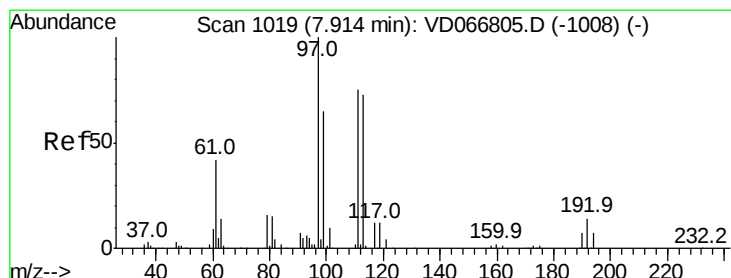
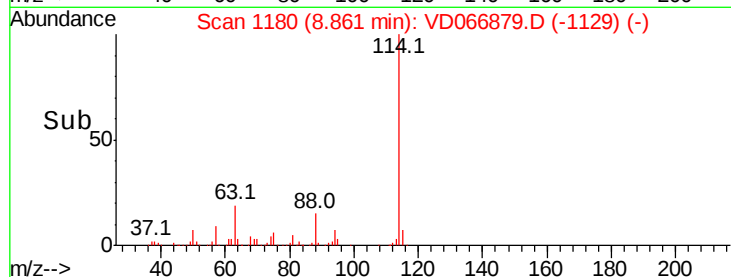
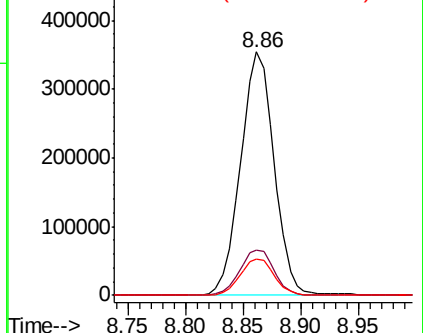
88 15.1 0.0 32.6



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: 49.299 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

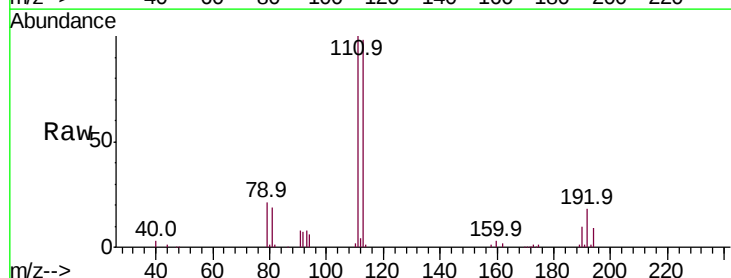
Tgt Ion:113 Resp: 224534

Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

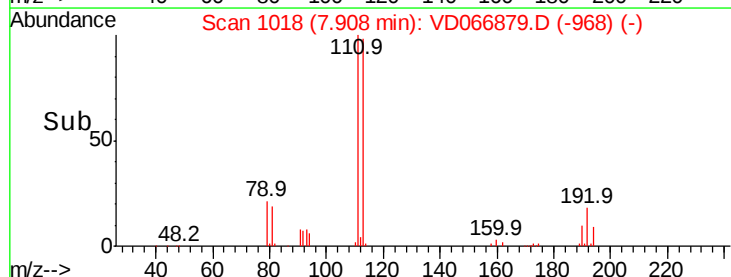
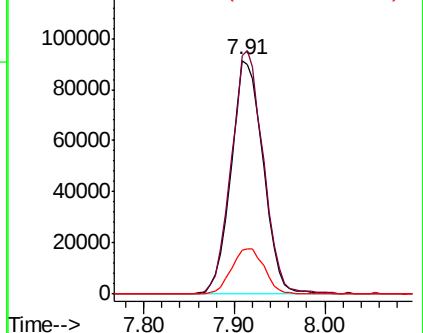
192 19.8 14.4 21.6

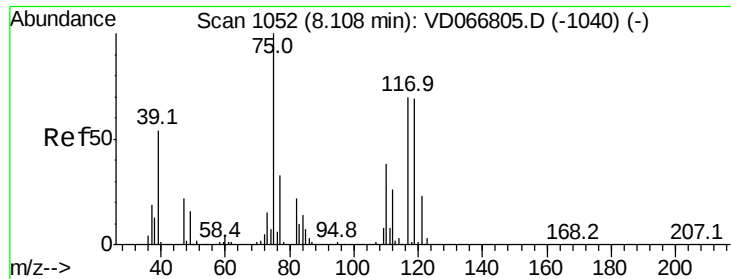


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

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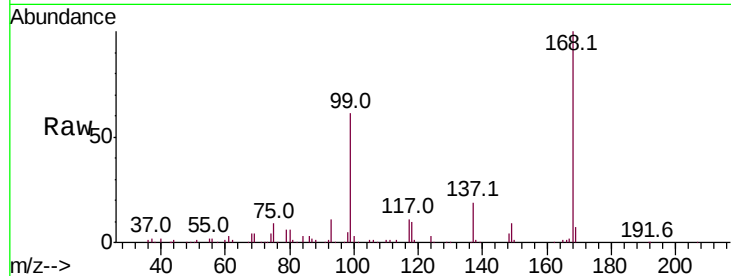
Tot Ion: 75 Resp: 33098

Ion Ratio Lower Upper

75 100

110 9.9 17.9 53.8#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD066879.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066879.D (-998) (-)

Ion 76.90 (76.60 to 77.60): VD066879.D (-998) (-)

7.98

15000

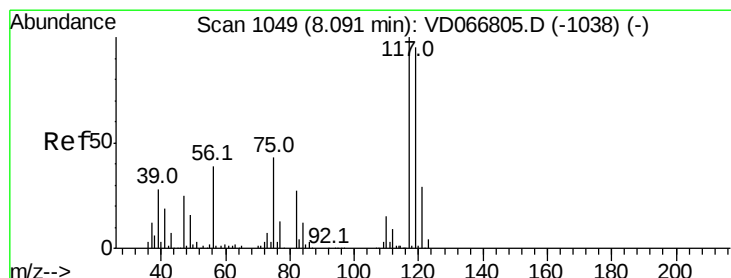
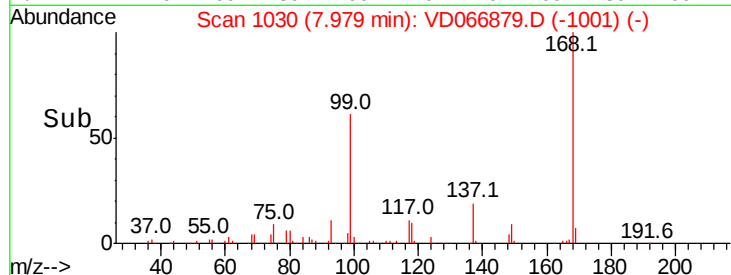
10000

5000

0

7.90 8.00 8.10

Time-->



#38

Carbon Tetrachloride

Concen: 5.592 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

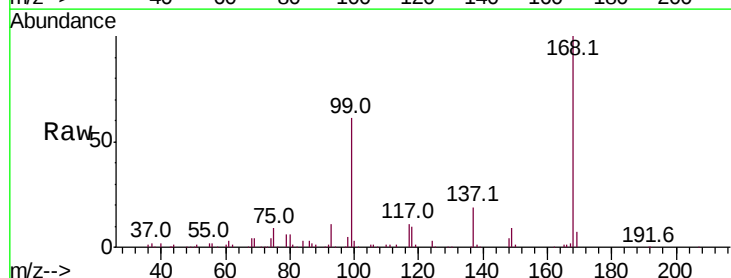
Tgt Ion: 117 Resp: 43423

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.8#

121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): VD066879.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066879.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066879.D (-998) (-)

7.98

25000

20000

15000

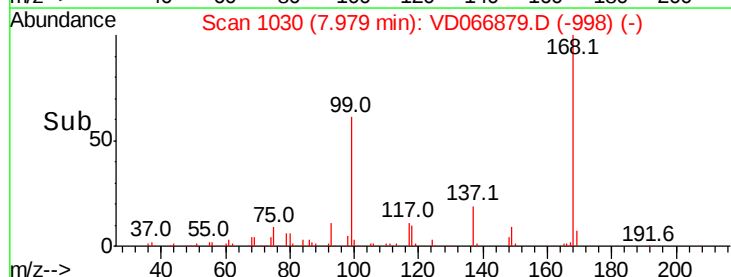
10000

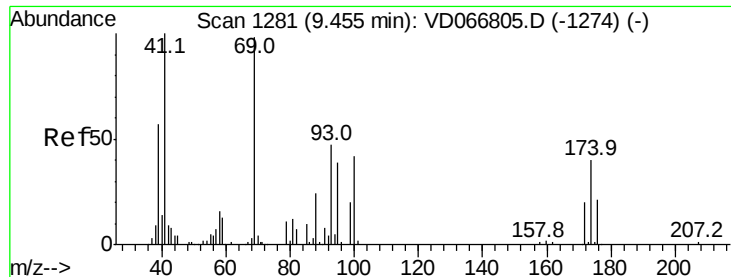
5000

0

7.85 7.90 7.95 8.00 8.05

Time-->





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

TT-031-IDWSO-20200924

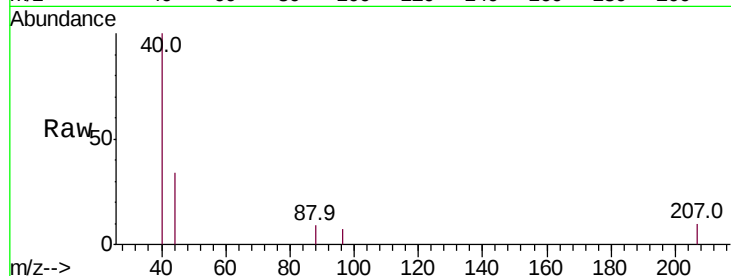
Tot Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

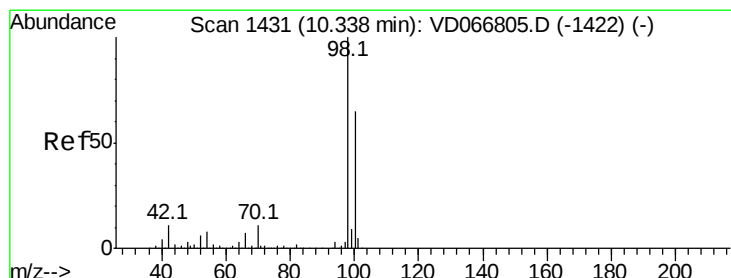
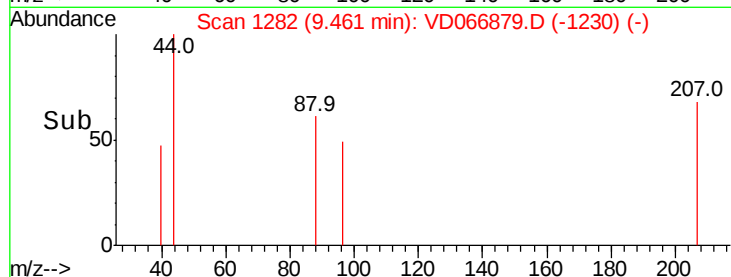
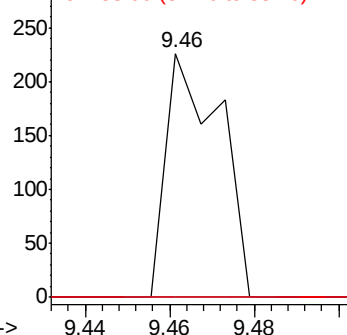
58 0.0 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 56.173 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066879.D

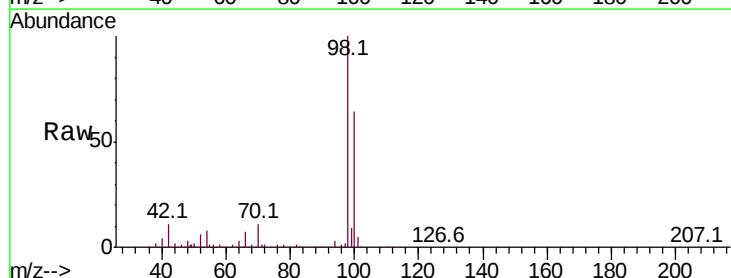
Acq: 25 Sep 2020 17:34

Tgt Ion: 98 Resp: 871703

Ion Ratio Lower Upper

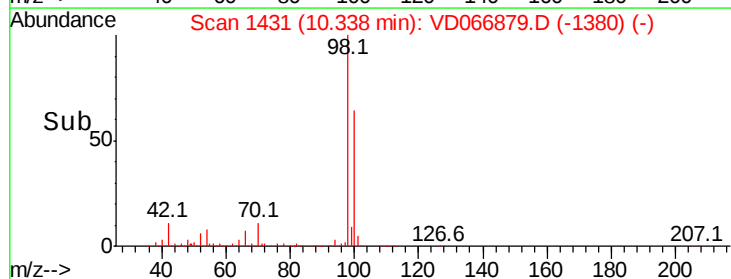
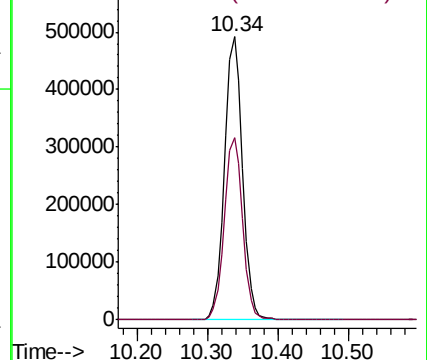
98 100

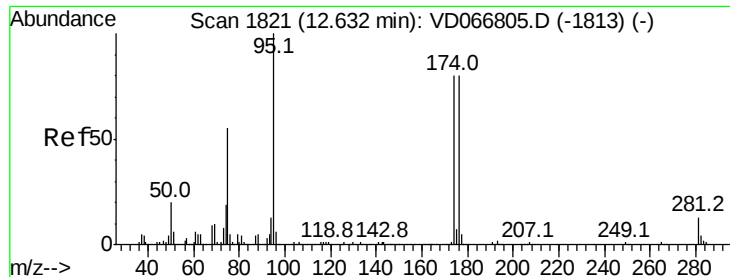
100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

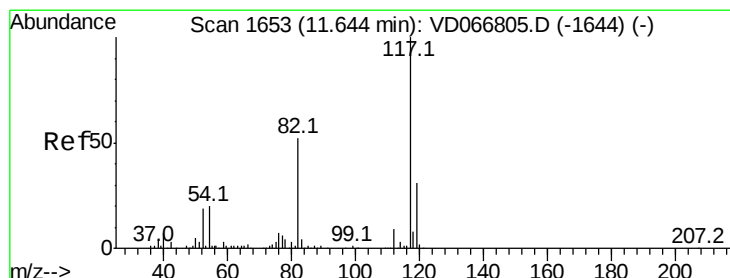
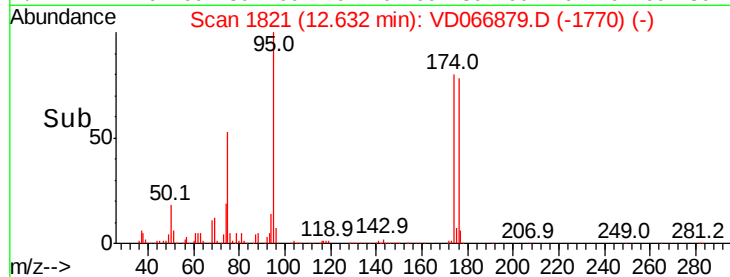
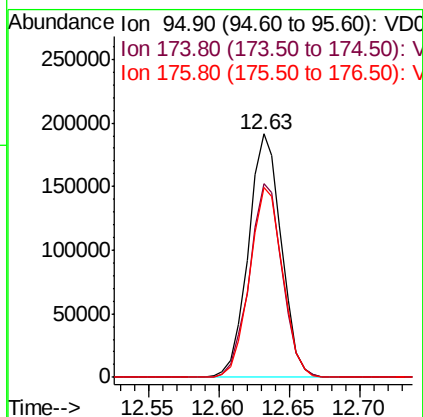
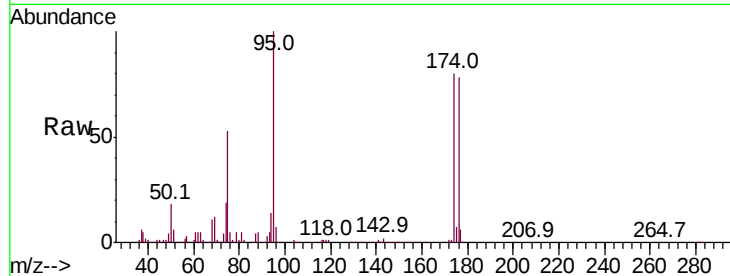




#62
4-Bromofluorobenzene
Concen: 58.820 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066879.D
Acq: 25 Sep 2020 17:34

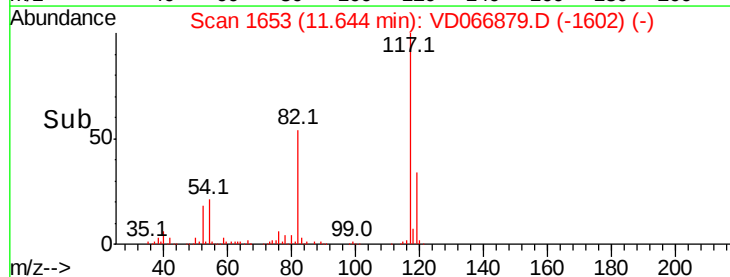
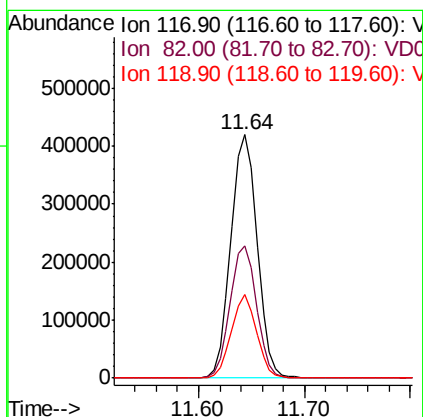
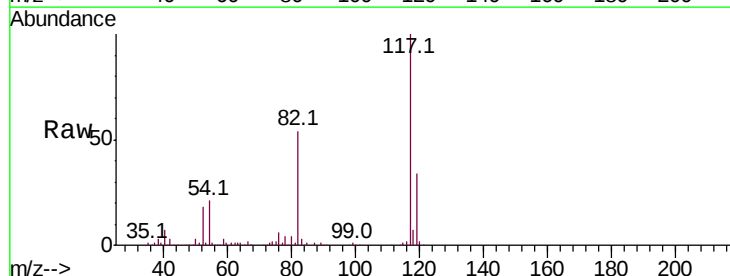
Instrument :
MSVOA_D
ClientSampleId :
TT-031-IDWSO-20200924

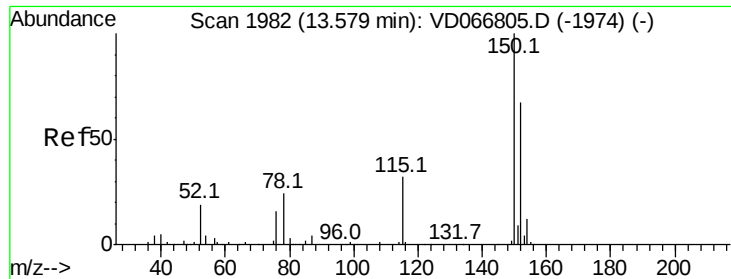
Tot Ion: 95 Resp: 312480
Ion Ratio Lower Upper
95 100
174 79.9 0.0 159.8
176 78.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066879.D
Acq: 25 Sep 2020 17:34

Tgt Ion: 117 Resp: 721903
Ion Ratio Lower Upper
117 100
82 54.4 41.8 62.6
119 34.5 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: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

TT-031-IDWSO-20200924

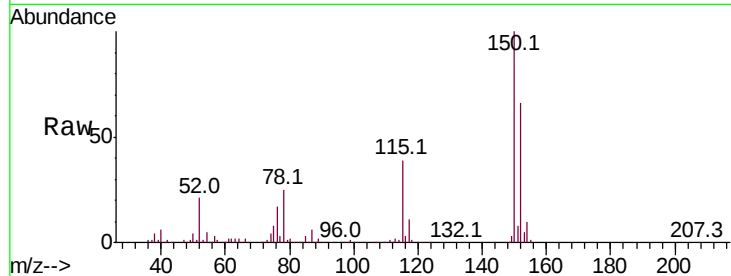
Tot Ion:152 Resp: 338454

Ion Ratio Lower Upper

152 100

115 59.7 30.3 91.0

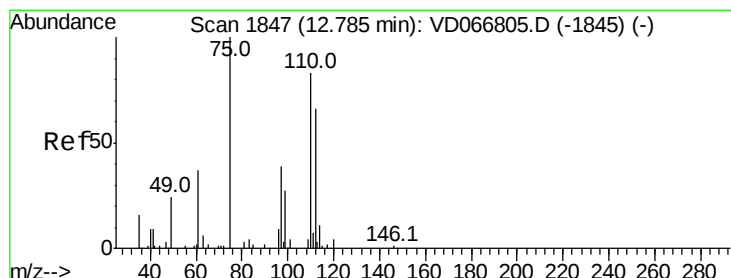
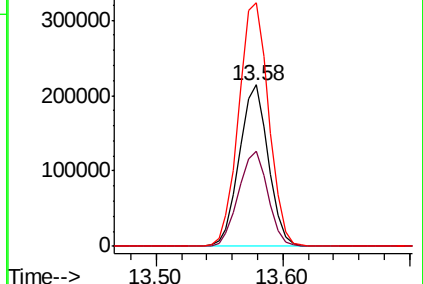
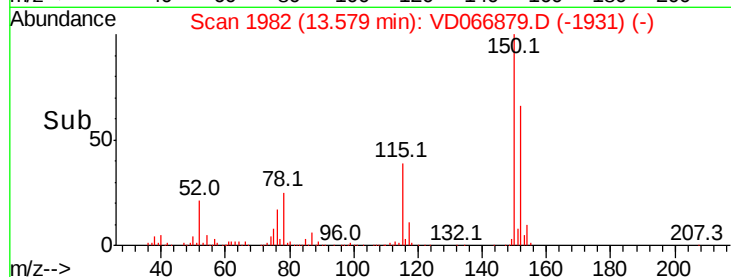
150 156.6 0.0 346.2



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: 58.434 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066879.D

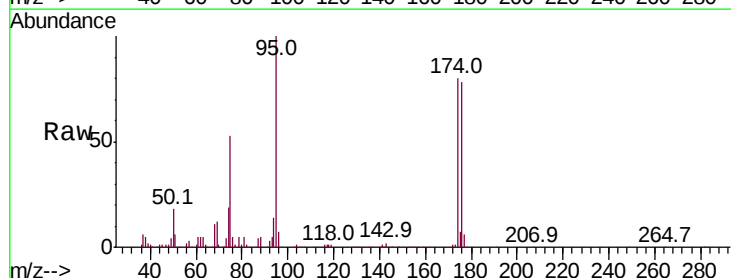
Acq: 25 Sep 2020 17:34

Tgt Ion: 75 Resp: 163899

Ion Ratio Lower Upper

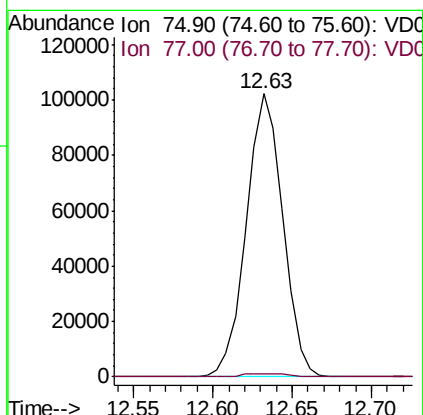
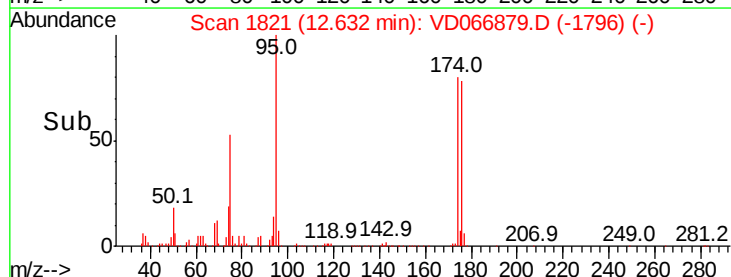
75 100

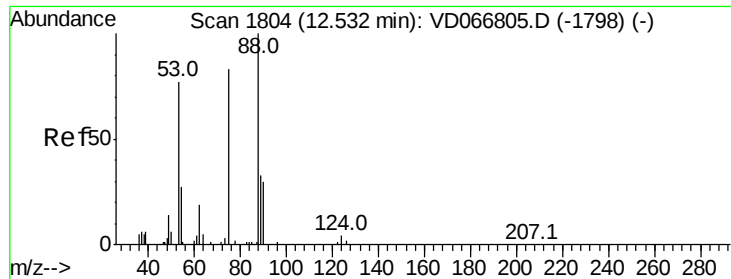
77 1.4 0.0 0.0#



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: 146.198 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

TT-031-IDWSO-20200924

Tot Ion: 75 Resp: 163899

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

