

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066878.D
 Acq On : 25 Sep 2020 17:06
 Operator : VA/SY
 Sample : L4162-02
 Misc : 6.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-030-IDW/ISO-20200924

Quant Time: Sep 26 03:01:44 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	368769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	656107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	643356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291489	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	193903	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
35) Dibromofluoromethane	7.91	113	202908	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	10.34	98	778813	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
62) 4-Bromofluorobenzene	12.63	95	282706	58.07	ug/l	0.00
Spiked Amount			Recovery	=	116.14%	

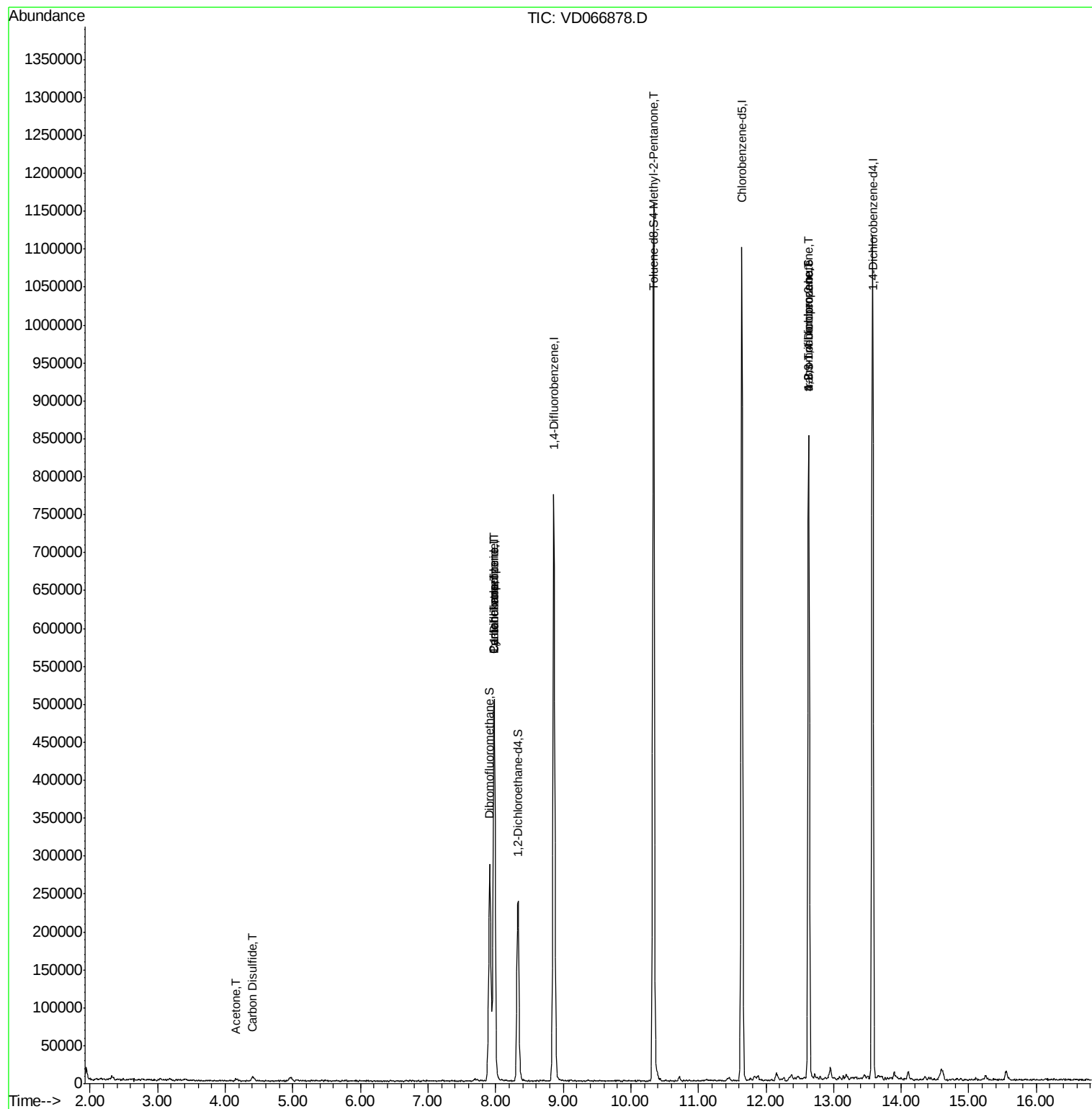
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	4201	5.487	ug/l	93
17) Carbon Disulfide	4.41	76	11155	1.010	ug/l #	92
18) Methyl Acetate	4.66	43	67	Below Cal	#	50
20) Methylene Chloride	4.95	84	2111	Below Cal	#	71
31) Cyclohexane	7.97	56	8546	1.302	ug/l #	36
36) 1,1-Dichloropropene	7.97	75	29632	4.552	ug/l #	52
38) Carbon Tetrachloride	7.98	117	39450	5.544	ug/l #	19
49) 1,4-Dioxane	9.46	88	72	Below Cal	#	23
51) 4-Methyl-2-Pentanone	10.33	43	3315	1.442	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	143338	59.338	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	143338	148.458	ug/l #	10

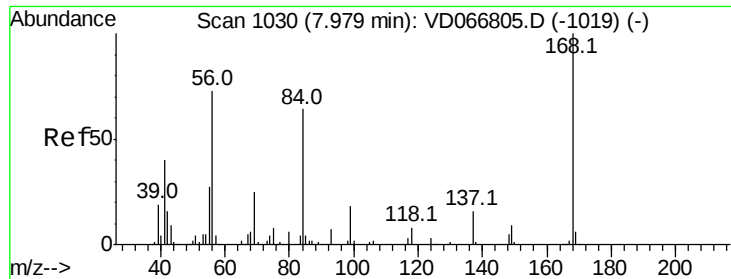
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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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: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

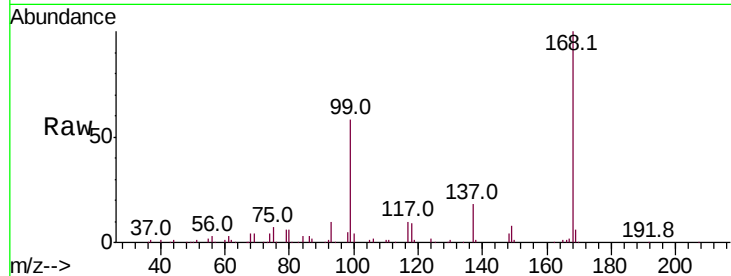
TT-030-IDW/ISO-20200924

Tot Ion:168 Resp: 368769

Ion Ratio Lower Upper

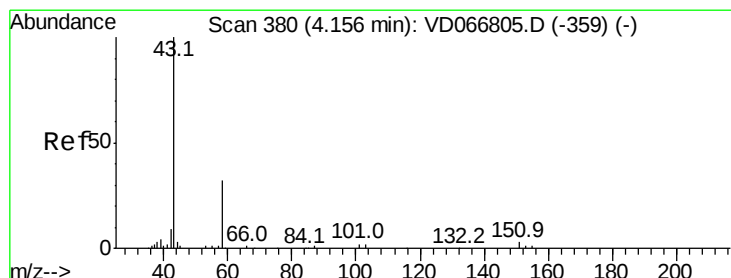
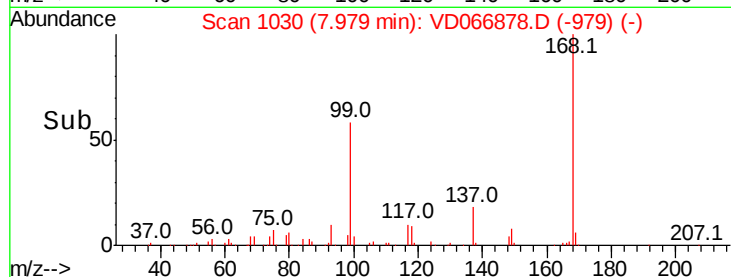
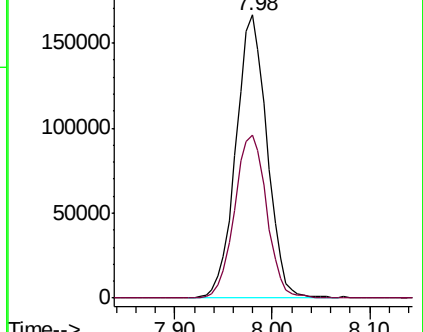
168 100

99 57.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 5.487 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066878.D

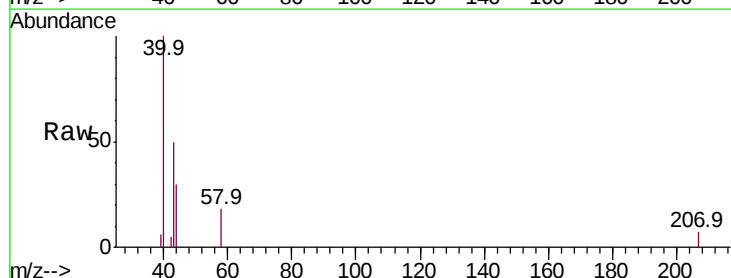
Acq: 25 Sep 2020 17:06

Tgt Ion: 43 Resp: 4201

Ion Ratio Lower Upper

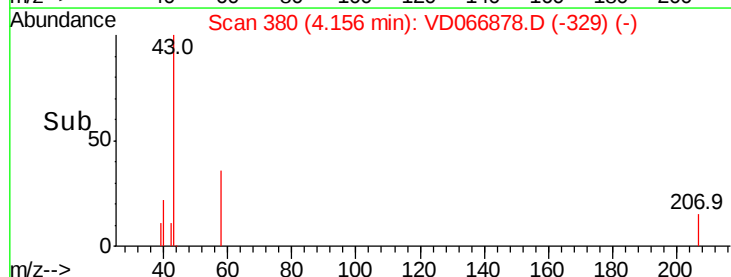
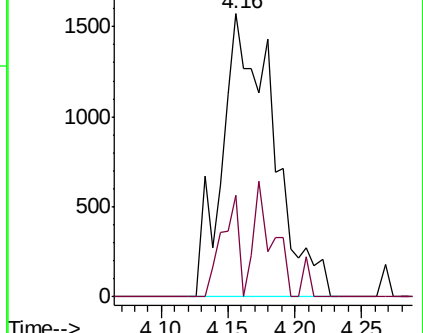
43 100

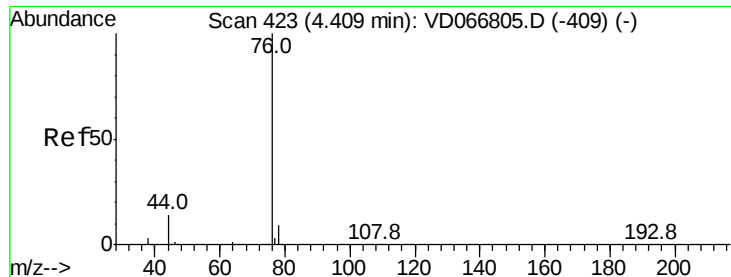
58 35.7 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 1.010 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

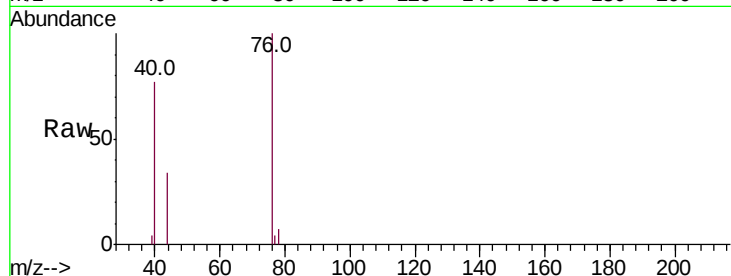
TT-030-IDWSO-20200924

Tot Ion: 76 Resp: 11155

Ion Ratio Lower Upper

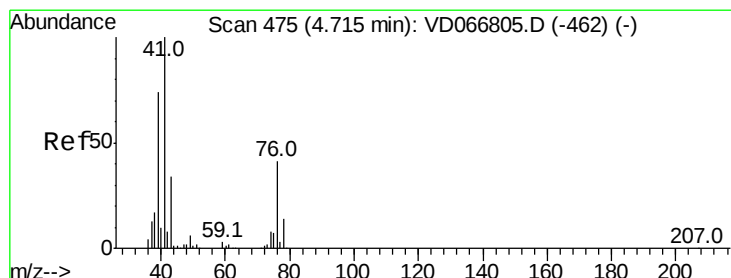
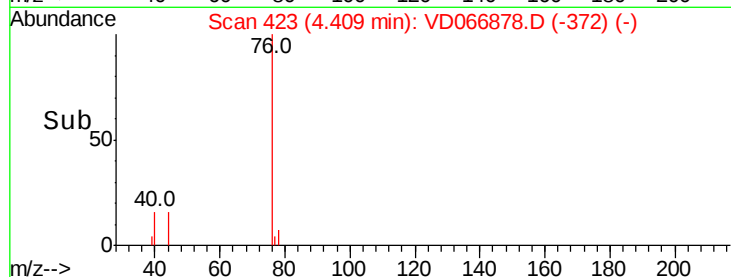
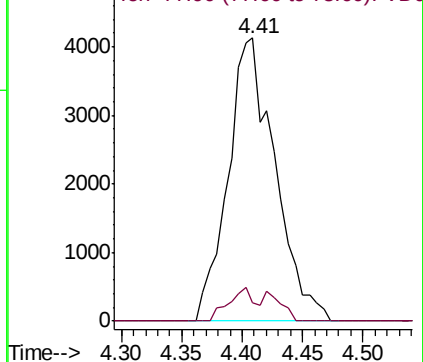
76 100

78 6.5 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.66 min Scan# 465

Delta R.T. -0.06 min

Lab File: VD066878.D

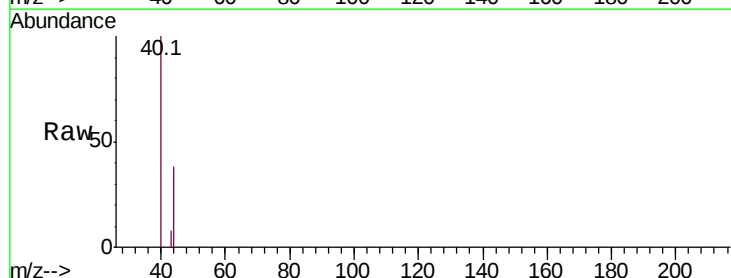
Acq: 25 Sep 2020 17:06

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

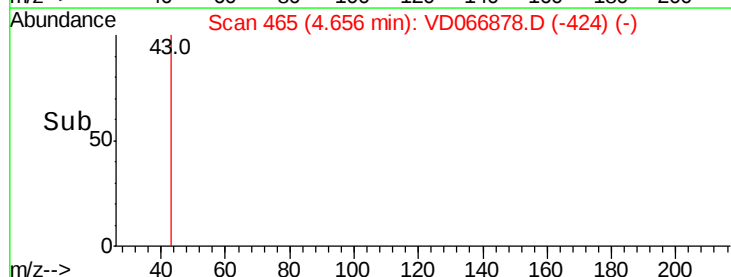
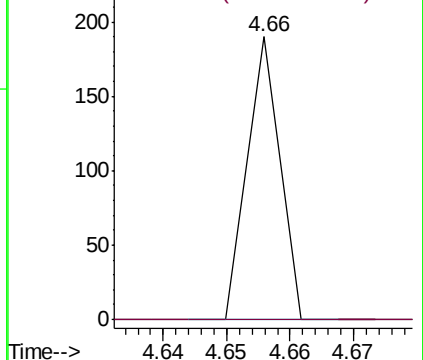
43 100

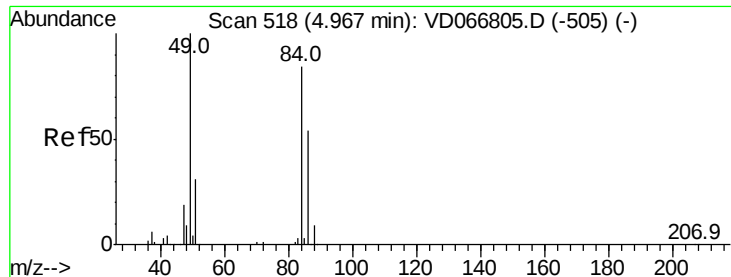
74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

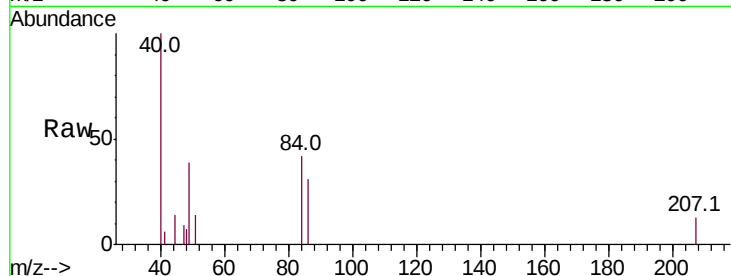




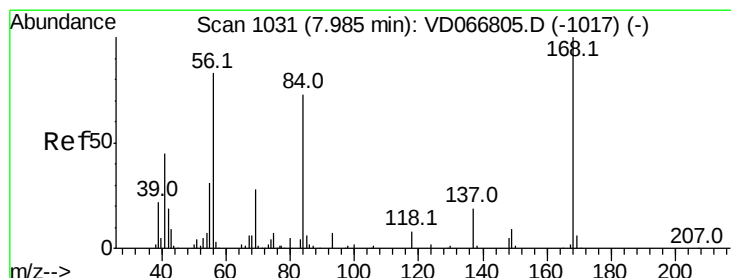
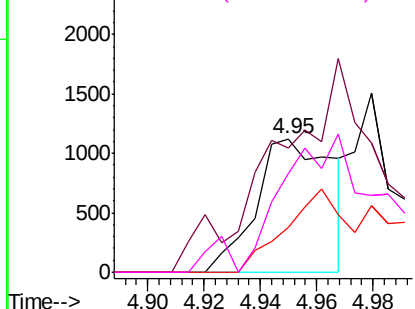
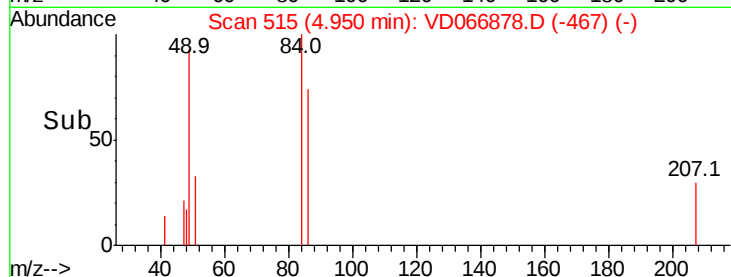
#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.02 min
Lab File: VD066878.D
Acq: 25 Sep 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
TT-030-IDWSO-20200924

Tot Ion: 84 Resp: 2111
Ion Ratio Lower Upper
84 100
49 69.9 95.4 143.2#
51 33.3 29.7 44.5
86 74.1 51.4 77.2

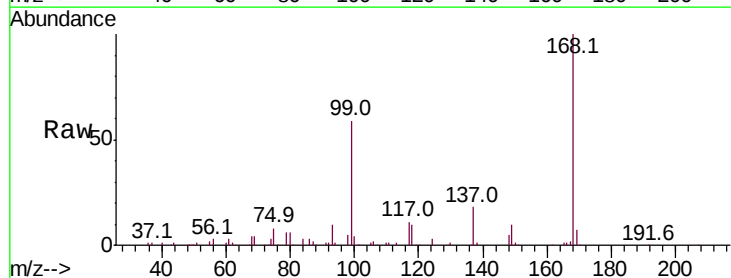


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

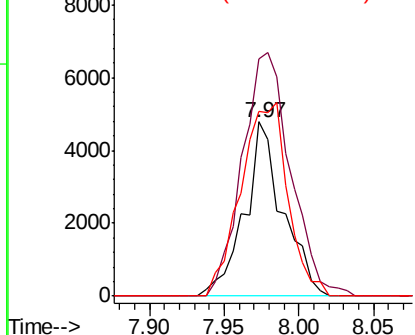
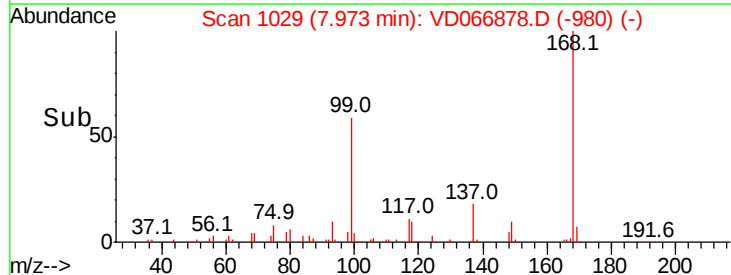


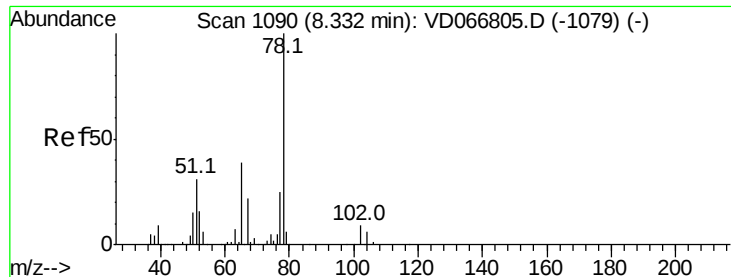
#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066878.D
Acq: 25 Sep 2020 17:06

Tgt Ion: 56 Resp: 8546
Ion Ratio Lower Upper
56 100
69 136.3 27.0 40.4#
84 106.0 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: 53.722 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

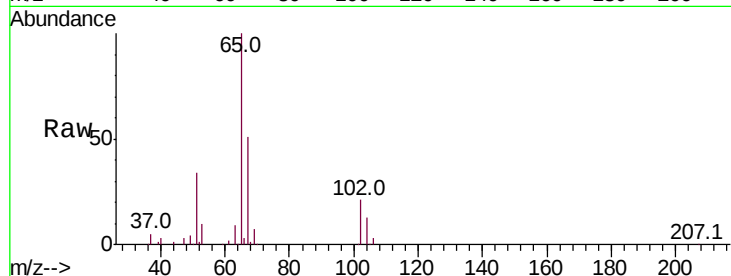
TT-030-IDWSO-20200924

Tot Ion: 65 Resp: 193903

Ion Ratio Lower Upper

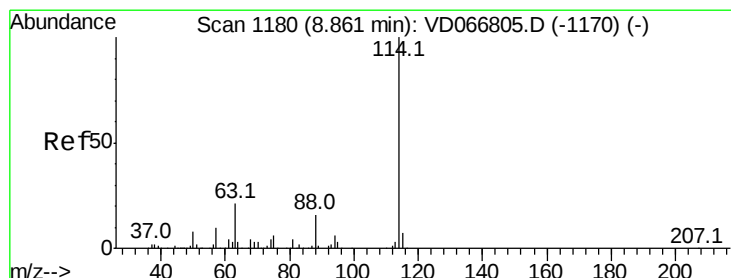
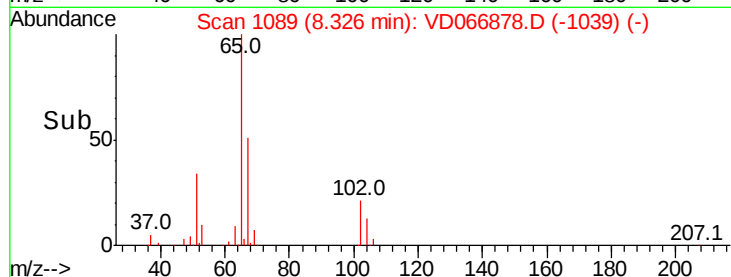
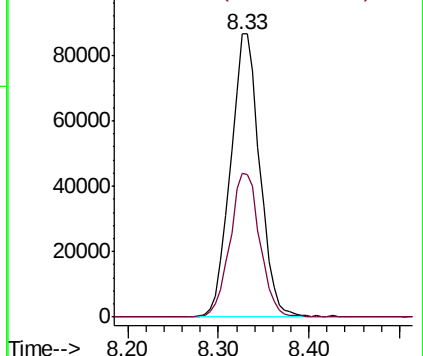
65 100

67 52.0 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: VD066878.D

Acq: 25 Sep 2020 17:06

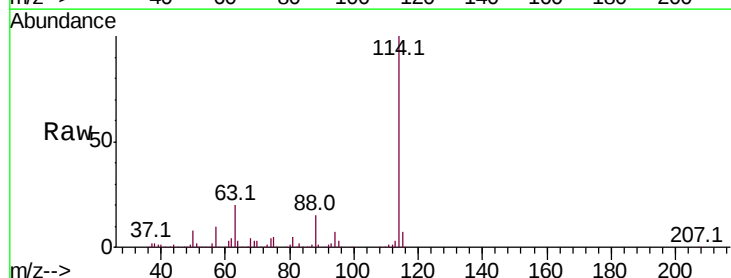
Tgt Ion: 114 Resp: 656107

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

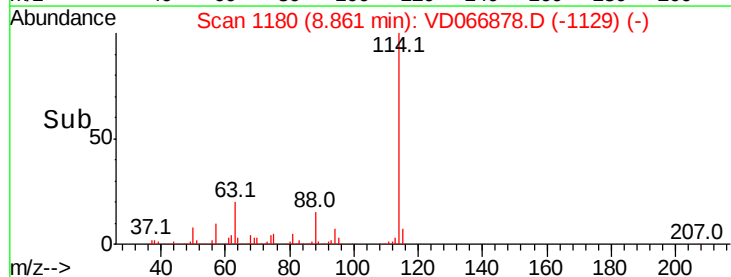
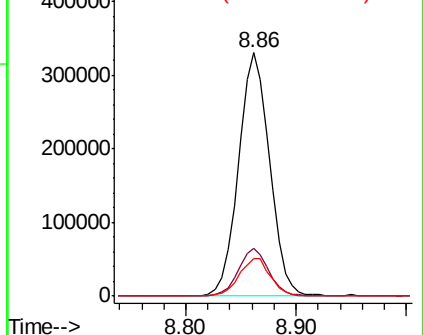
88 15.5 0.0 32.6

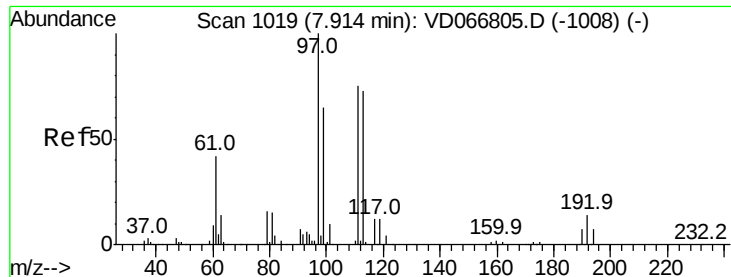


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.611 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

TT-030-IDWSO-20200924

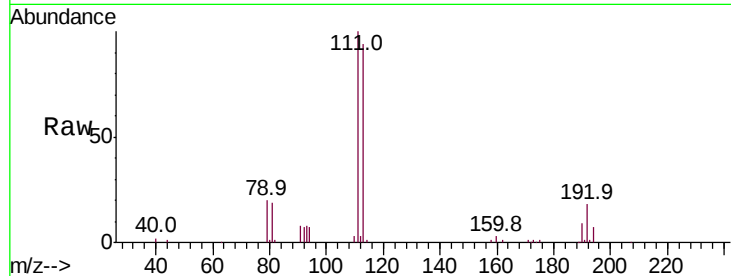
Tot Ion:113 Resp: 202908

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

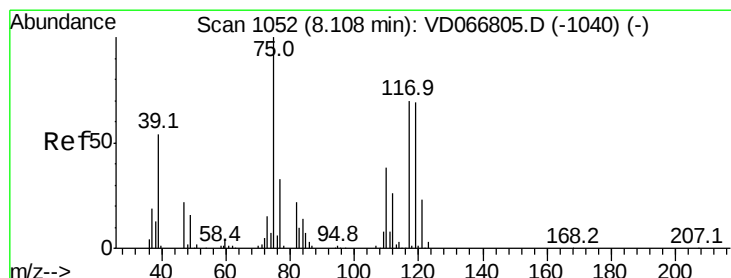
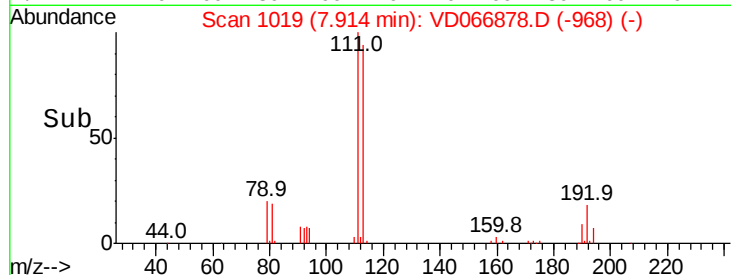
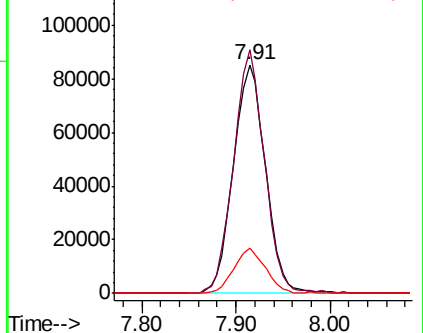
192 19.5 14.4 21.6



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: 4.552 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

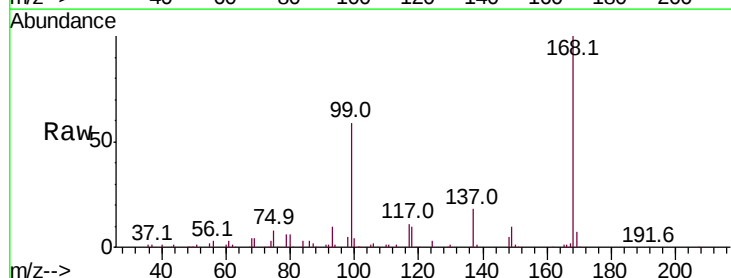
Tgt Ion: 75 Resp: 29632

Ion Ratio Lower Upper

75 100

110 12.3 17.9 53.8#

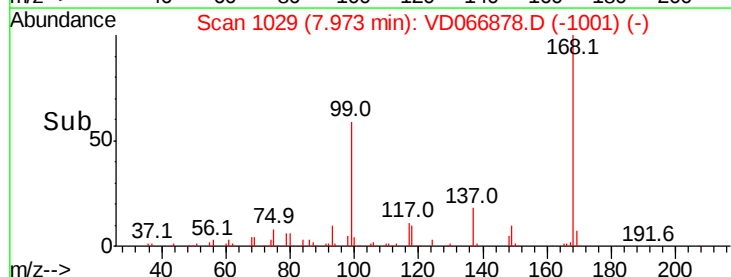
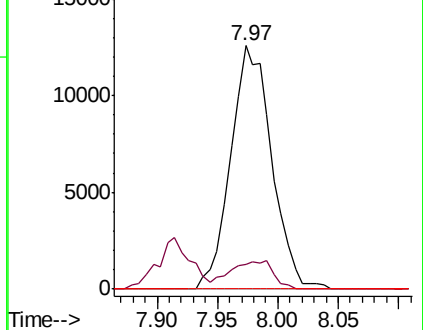
77 0.0 25.0 37.6#

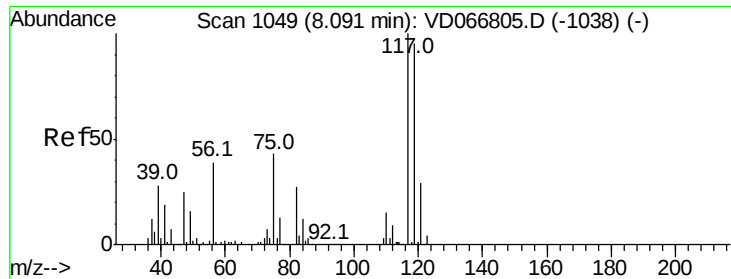


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.544 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

TT-030-IDW/ISO-20200924

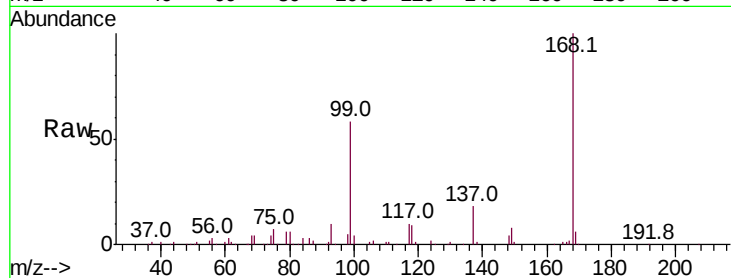
Tot Ion:117 Resp: 39450

Ion Ratio Lower Upper

117 100

119 8.0 75.8 113.8#

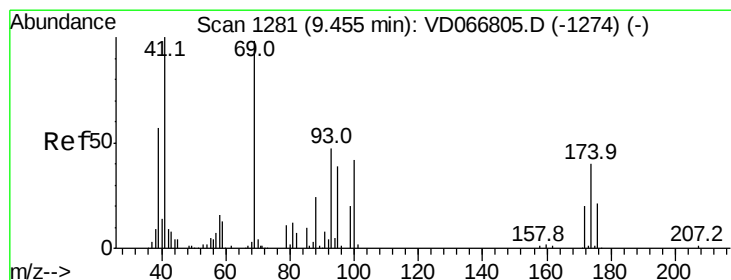
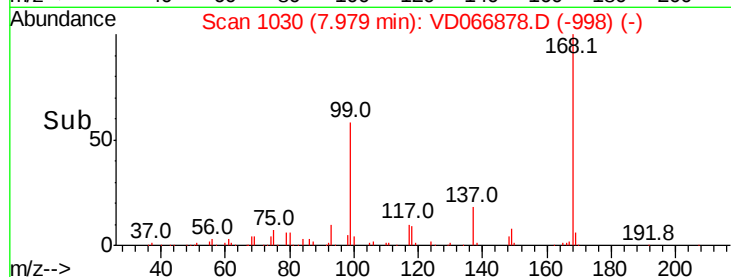
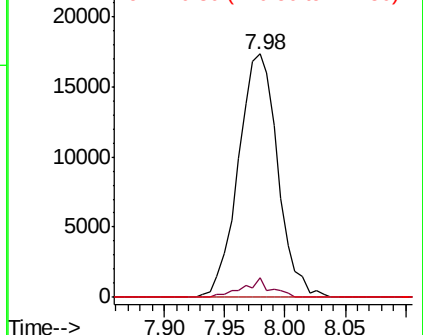
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

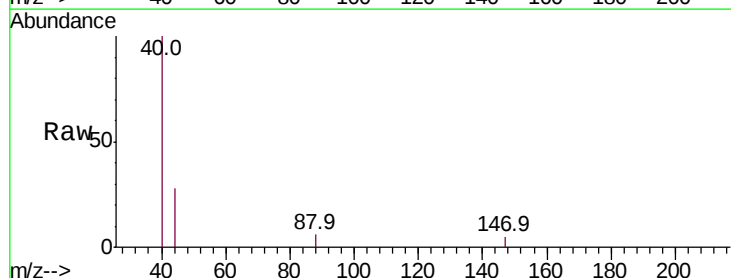
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

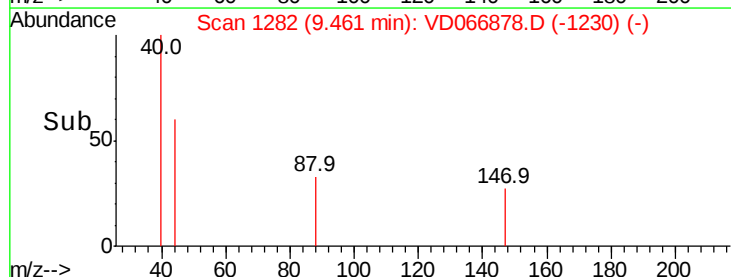
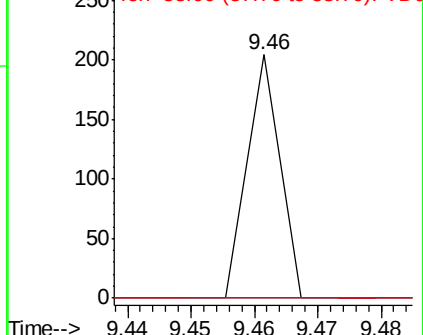
58 0.0 55.5 83.3#

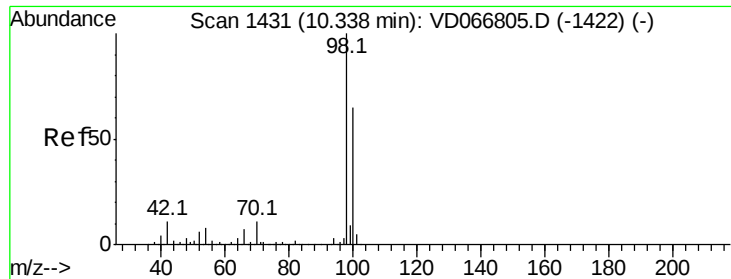


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 54.761 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

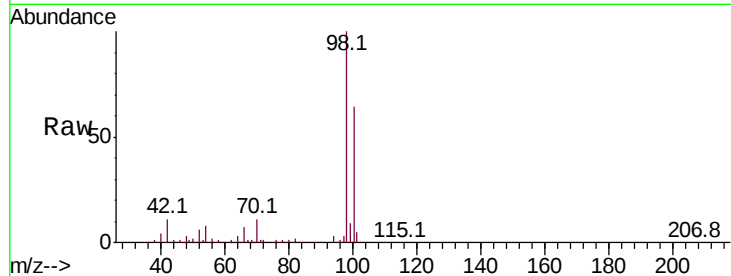
TT-030-IDWSO-20200924

Tot Ion: 98 Resp: 778813

Ion Ratio Lower Upper

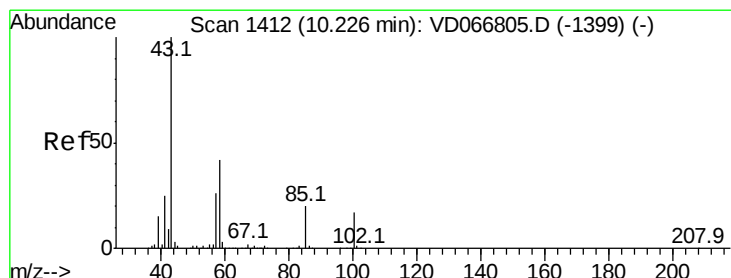
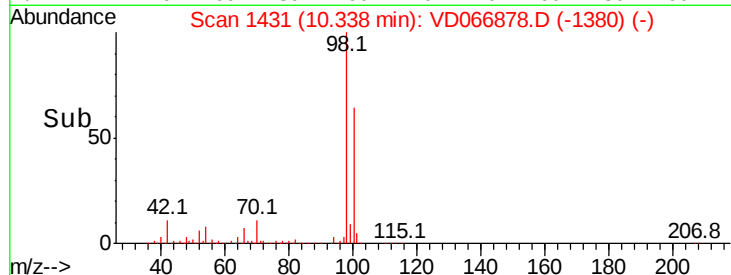
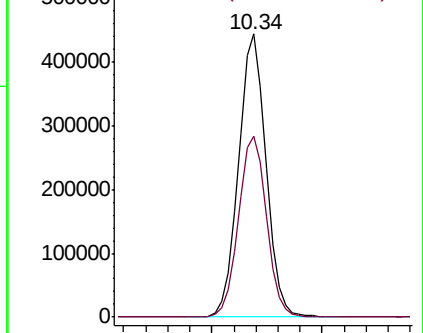
98 100

100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.442 ug/l

RT: 10.33 min Scan# 1429

Delta R.T. 0.10 min

Lab File: VD066878.D

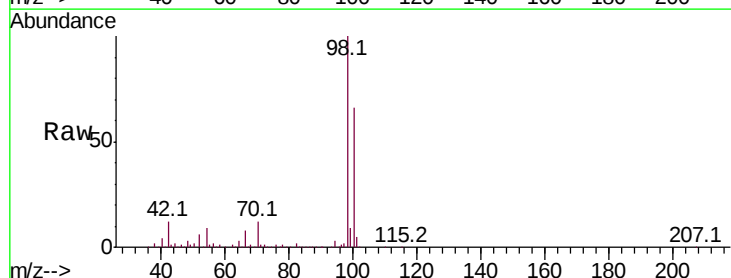
Acq: 25 Sep 2020 17:06

Tgt Ion: 43 Resp: 3315

Ion Ratio Lower Upper

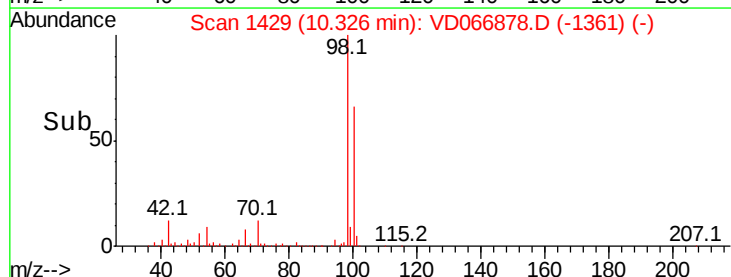
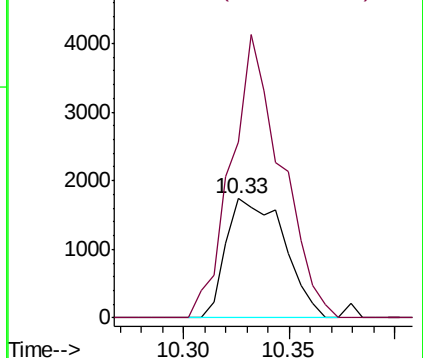
43 100

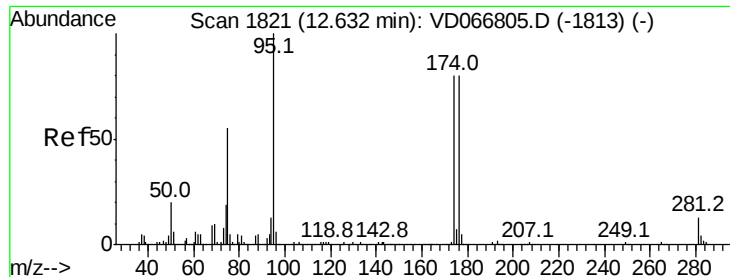
58 205.5 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 58.066 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

TT-030-IDWSO-20200924

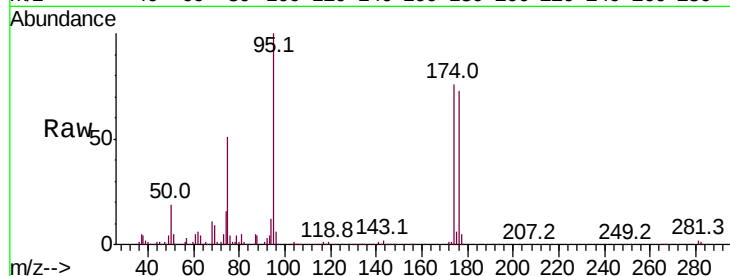
Tot Ion: 95 Resp: 282706

Ion Ratio Lower Upper

95 100

174 78.7 0.0 159.8

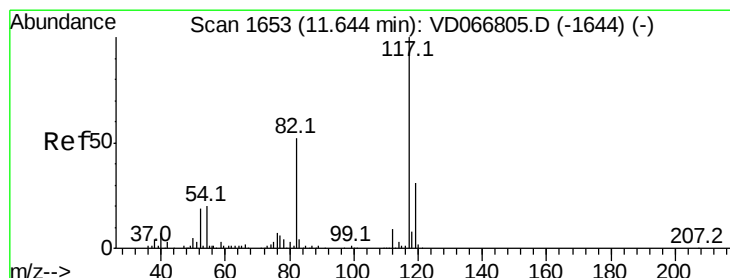
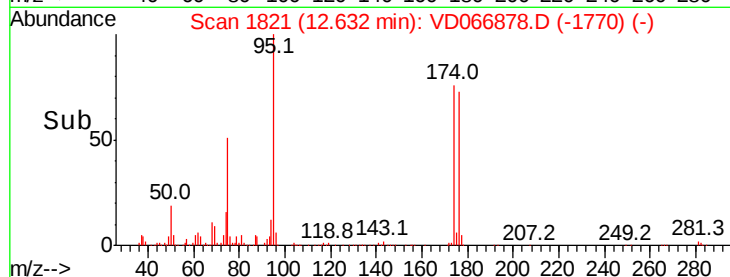
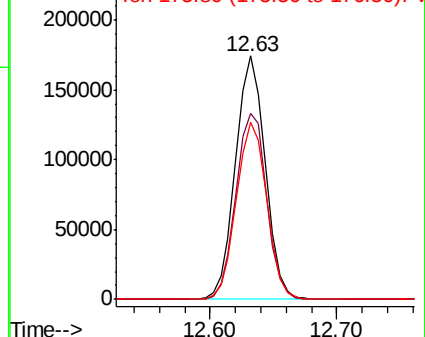
176 74.3 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD066878.D

Acq: 25 Sep 2020 17:06

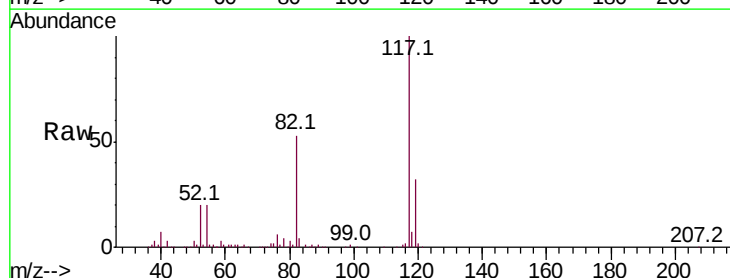
Tgt Ion: 117 Resp: 643356

Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.6

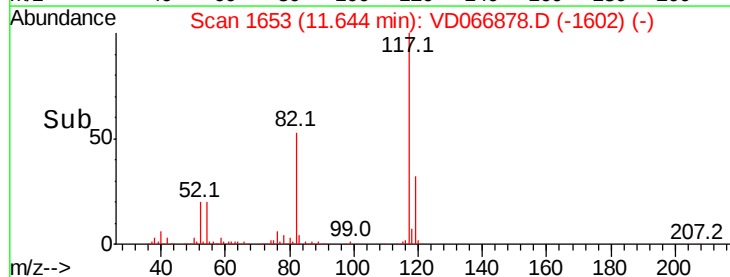
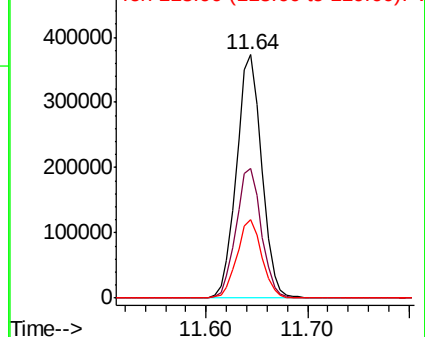
119 32.0 24.6 37.0

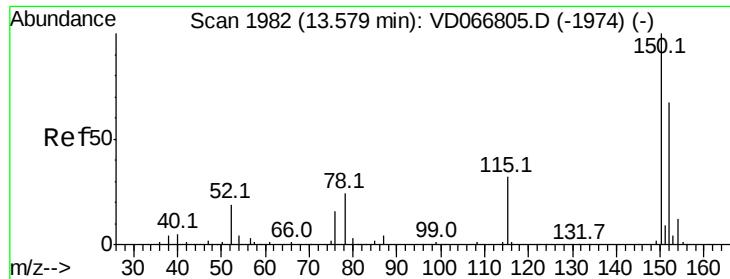


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

TT-030-IDWSO-20200924

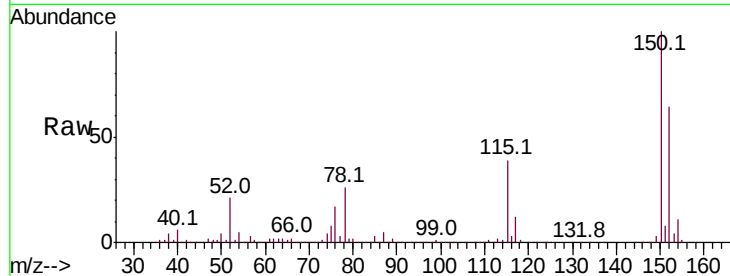
Tot Ion:152 Resp: 291489

Ion Ratio Lower Upper

152 100

115 58.4 30.3 91.0

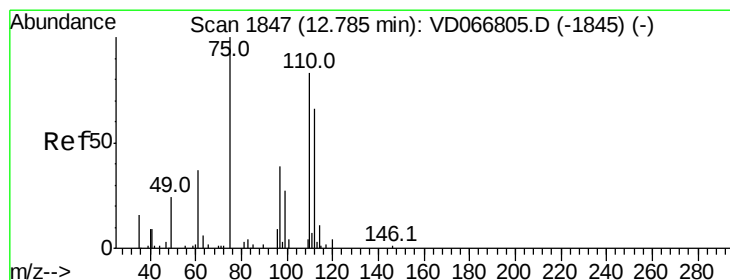
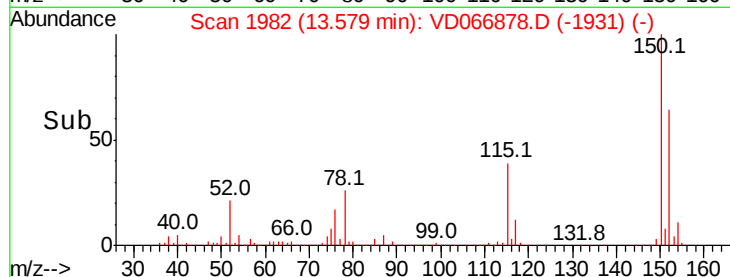
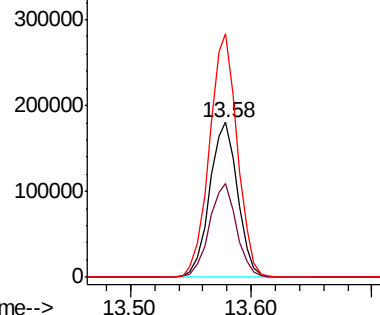
150 156.2 0.0 346.2



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: 59.338 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066878.D

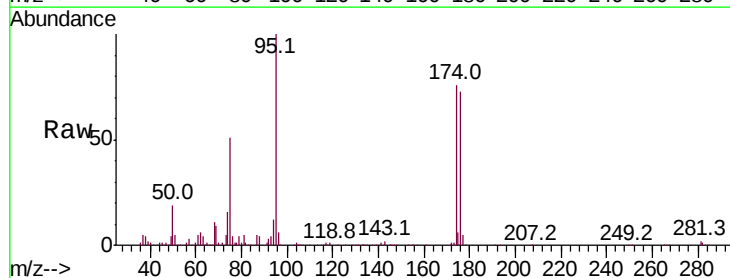
Acq: 25 Sep 2020 17:06

Tgt Ion: 75 Resp: 143338

Ion Ratio Lower Upper

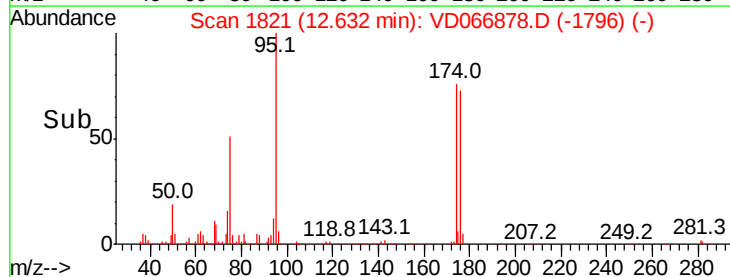
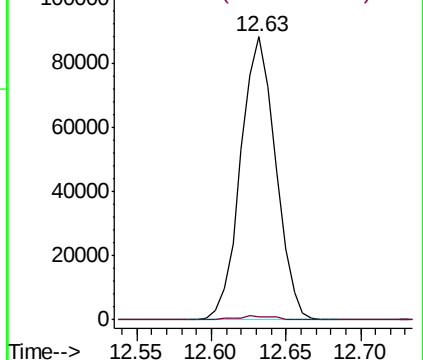
75 100

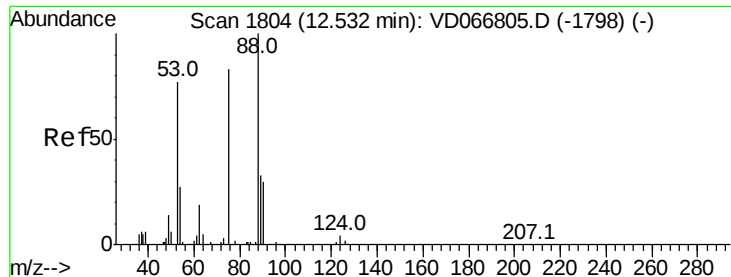
77 1.5 0.0 0.0#



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: 148.458 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066878.D

Acq: 25 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

TT-030-IDWSO-20200924

Tot Ion: 75 Resp: 143338

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

