

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066877.D
 Acq On : 25 Sep 2020 16:39
 Operator : VA/SY
 Sample : L4162-01
 Misc : 5.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-028-IDWSO-20200924

Quant Time: Sep 26 03:01:34 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	370830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	651355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	636320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282728	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	190640	52.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.04%	
35) Dibromofluoromethane	7.91	113	203410	49.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.18%	
50) Toluene-d8	10.34	98	779874	55.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.48%	
62) 4-Bromofluorobenzene	12.63	95	274341	56.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.52%	

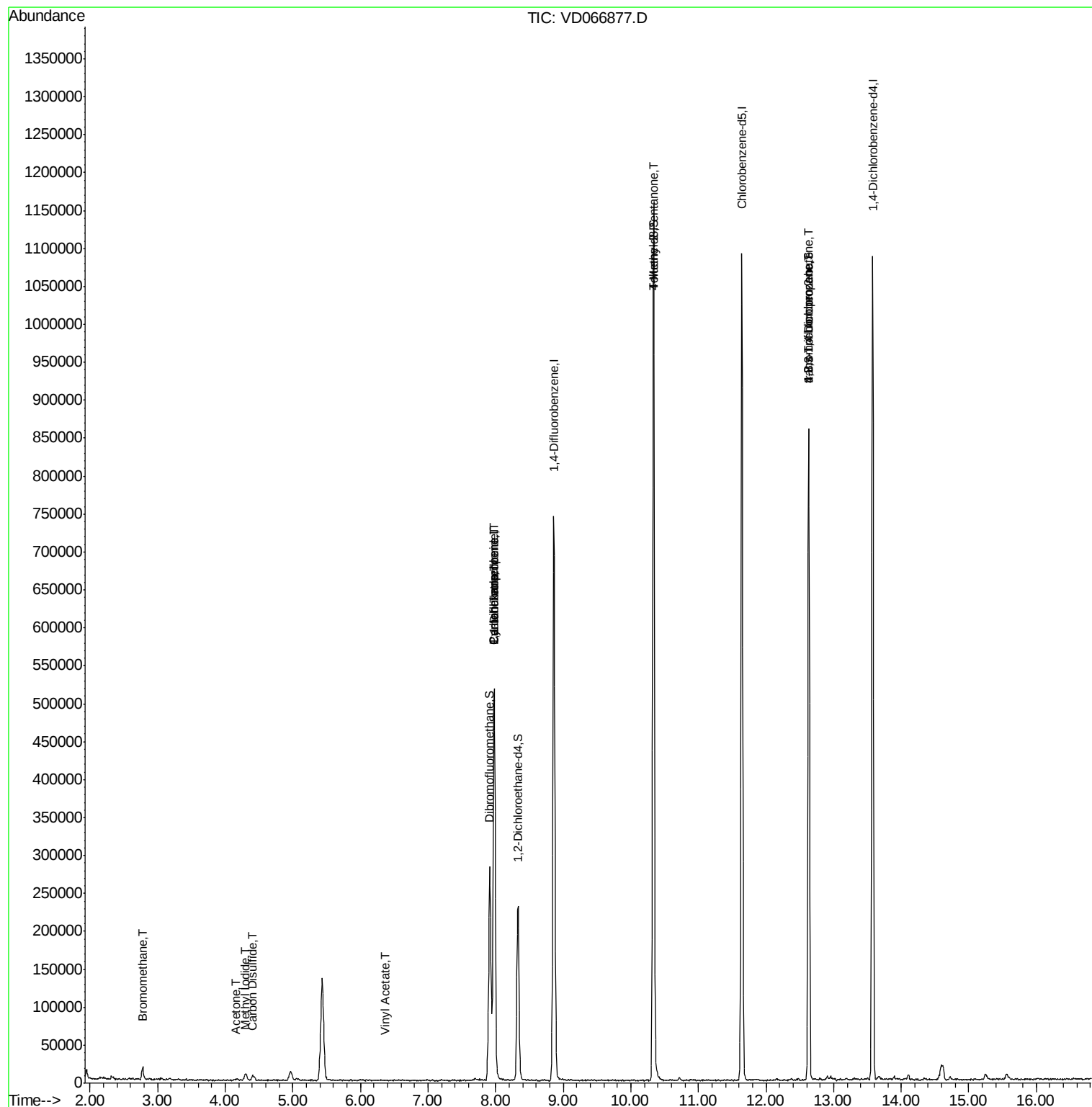
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	197	Below Cal	#	46
5) Bromomethane	2.78	94	10788	4.560	ug/l	97
10) Methyl Iodide	4.30	142	13818	3.906	ug/l #	74
11) Tert butyl alcohol	5.20	59	67	Below Cal	#	72
16) Acetone	4.16	43	3726	4.839	ug/l #	84
17) Carbon Disulfide	4.41	76	13363	1.204	ug/l	98
18) Methyl Acetate	4.71	43	353	Below Cal	#	50
20) Methylene Chloride	4.97	84	10001	Below Cal	#	88
23) Vinyl Acetate	6.36	43	57	2.681	ug/l #	71
31) Cyclohexane	7.97	56	8523	1.291	ug/l #	17
36) 1,1-Dichloropropene	7.98	75	31449	4.867	ug/l #	50
38) Carbon Tetrachloride	7.97	117	39006	5.521	ug/l #	17
49) 1,4-Dioxane	9.44	88	78	Below Cal	#	22
51) 4-Methyl-2-Pentanone	10.33	43	2846	1.247	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	141928	60.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	141928	151.552	ug/l #	10

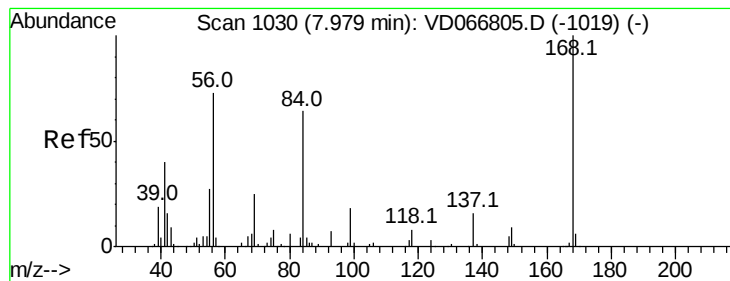
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD066877.D

Acq: 25 Sep 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

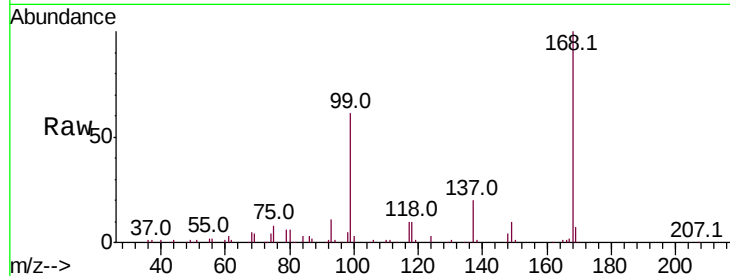
TT-028-IDWSO-20200924

Tot Ion:168 Resp: 370830

Ion Ratio Lower Upper

168 100

99 60.9 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

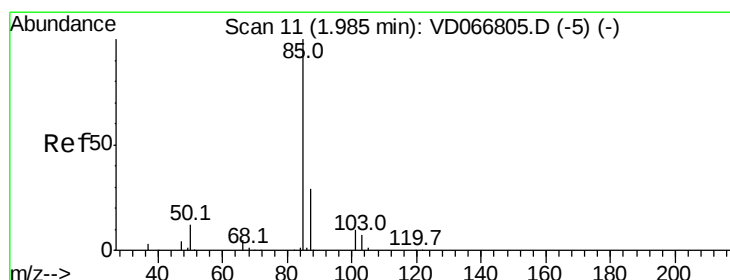
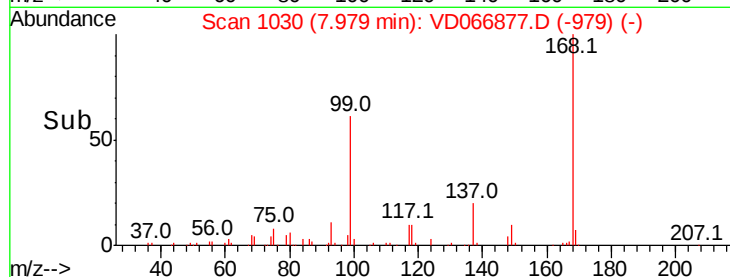
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066877.D

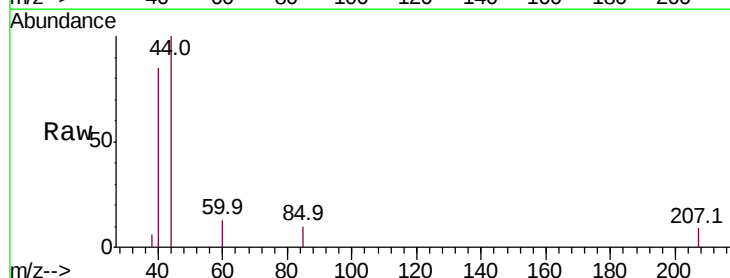
Acq: 25 Sep 2020 16:39

Tgt Ion: 85 Resp: 197

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

1.99

300

250

200

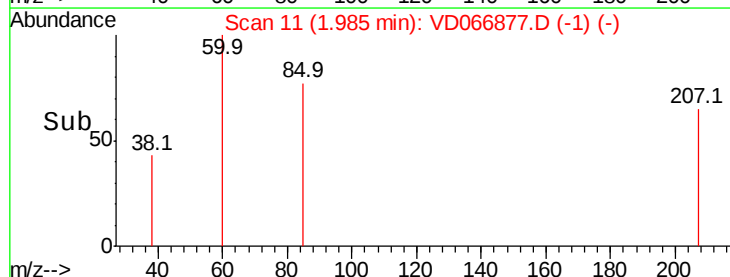
150

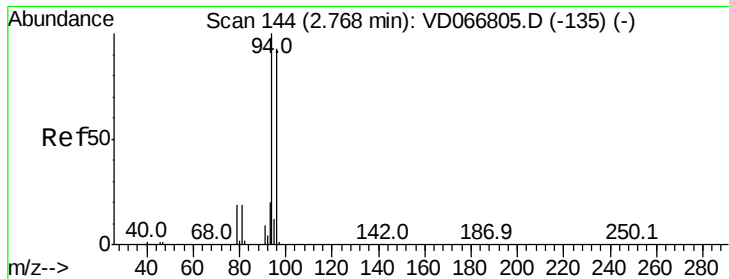
100

50

0

Time-->





#5

Bromomethane

Concen: 4.560 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

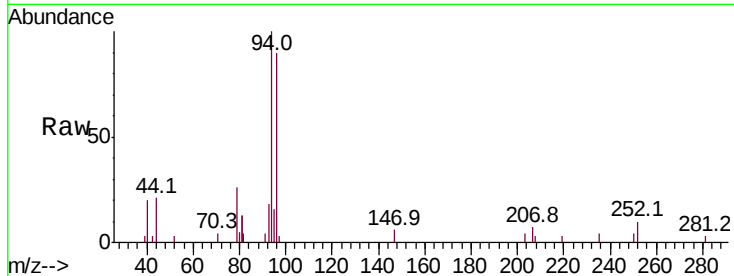
TT-028-IDWSO-20200924

Tot Ion: 94 Resp: 10788

Ion Ratio Lower Upper

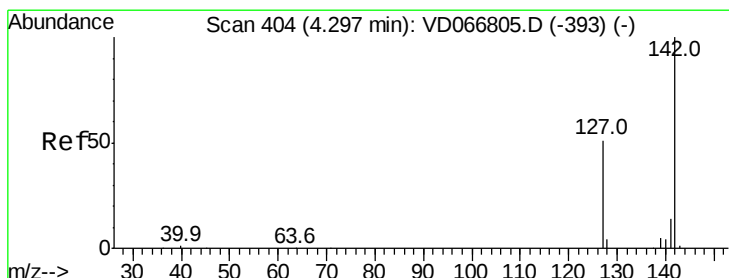
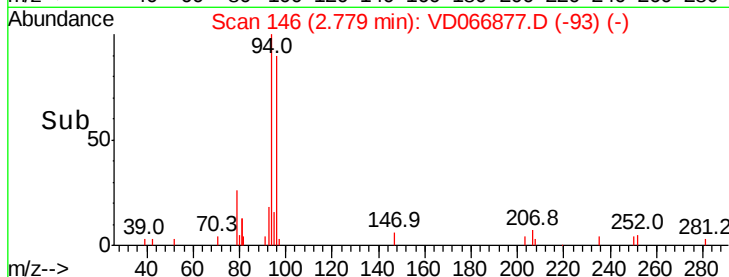
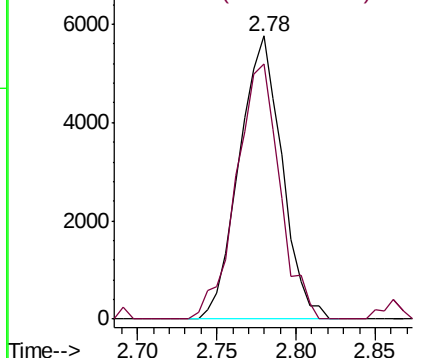
94 100

96 90.3 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 3.906 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

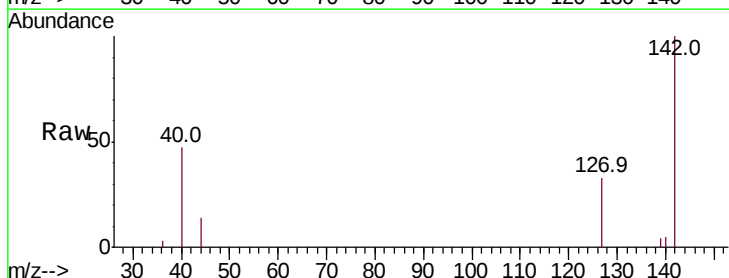
Tgt Ion: 142 Resp: 13818

Ion Ratio Lower Upper

142 100

127 30.4 39.4 59.0#

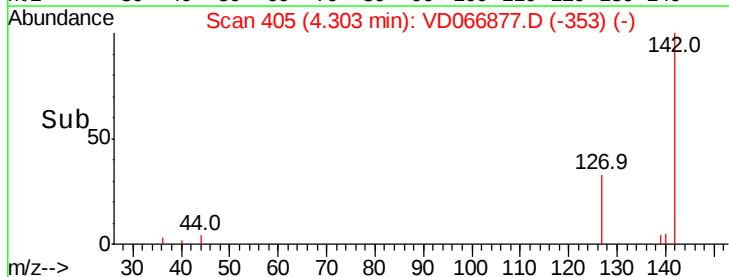
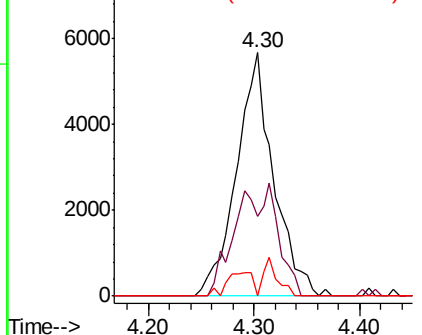
141 6.7 12.1 18.1#

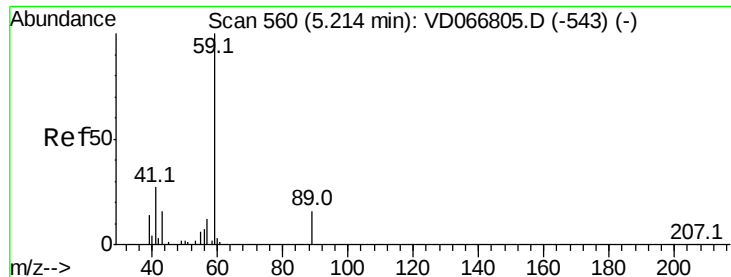


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

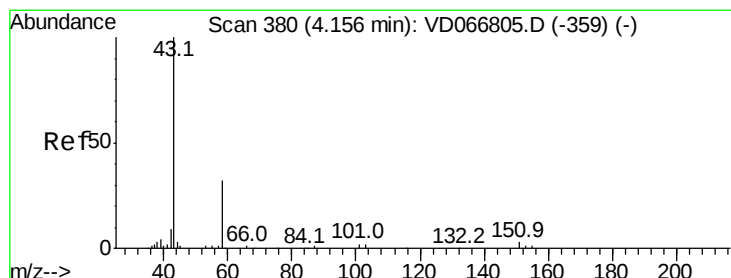
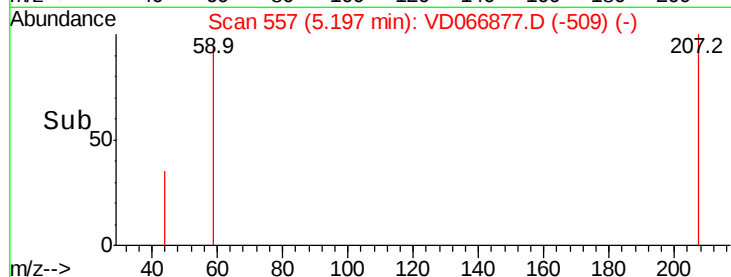
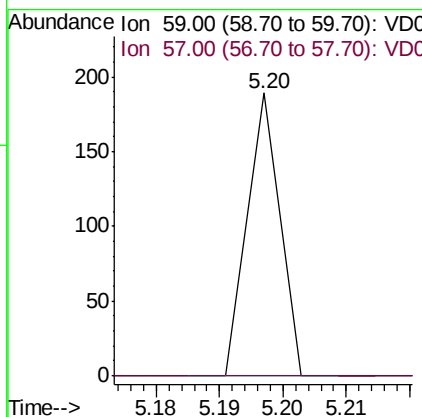
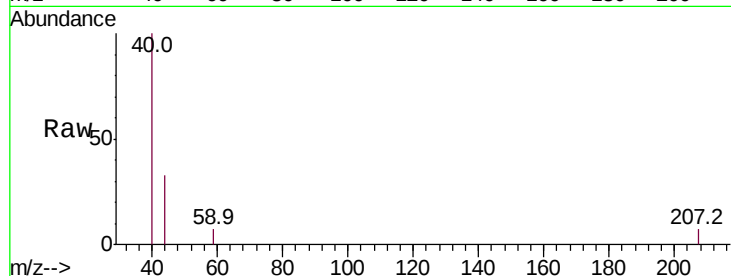




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD066877.D
Acq: 25 Sep 2020 16:39

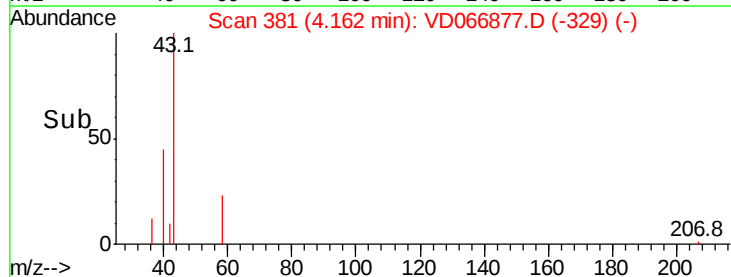
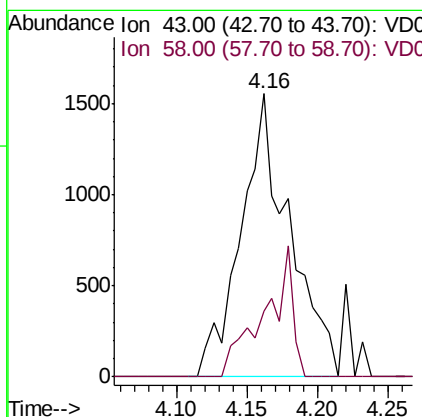
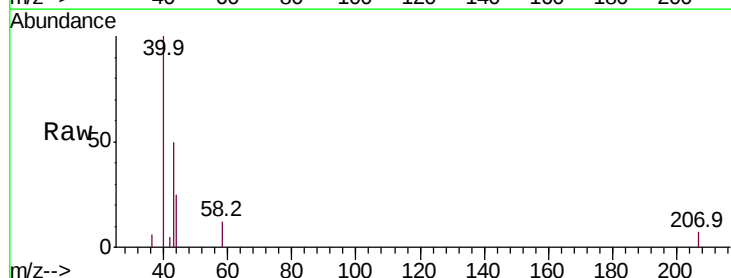
Instrument :
MSVOA_D
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TT-028-IDWSO-20200924

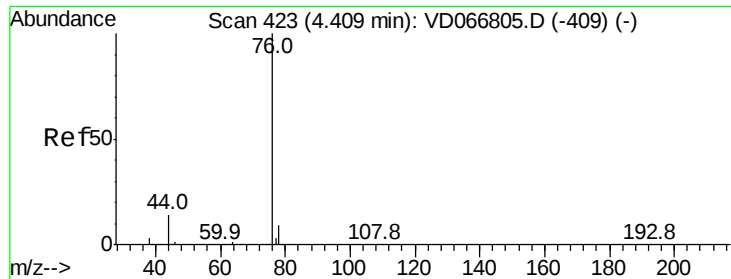
Tot Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 4.839 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066877.D
Acq: 25 Sep 2020 16:39

Tgt Ion: 43 Resp: 3726
Ion Ratio Lower Upper
43 100
58 23.3 25.6 38.4#

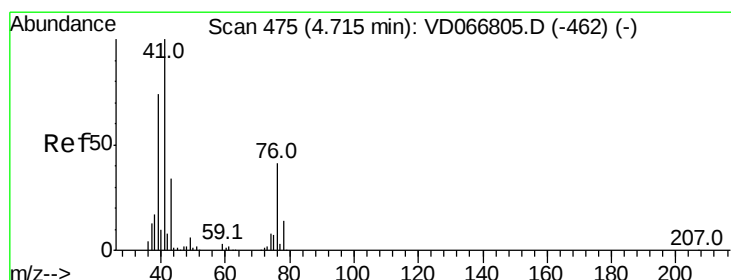
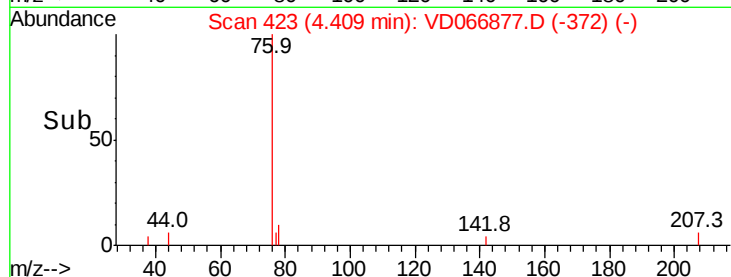
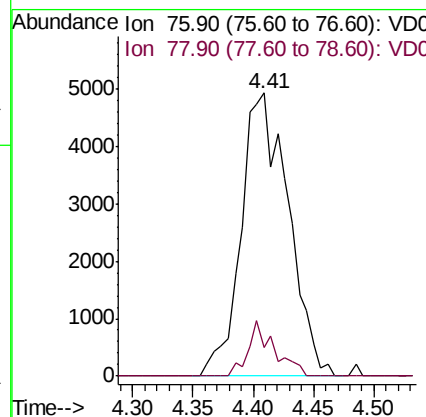
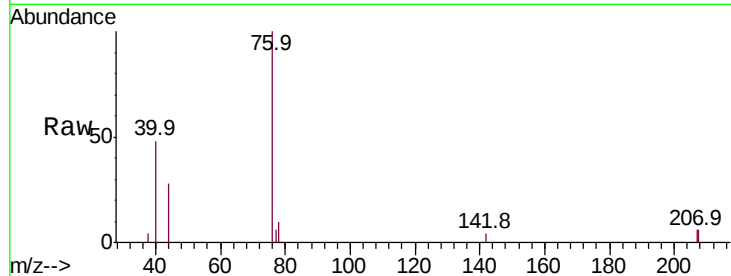




#17
Carbon Disulfide
Concen: 1.204 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066877.D
Acq: 25 Sep 2020 16:39

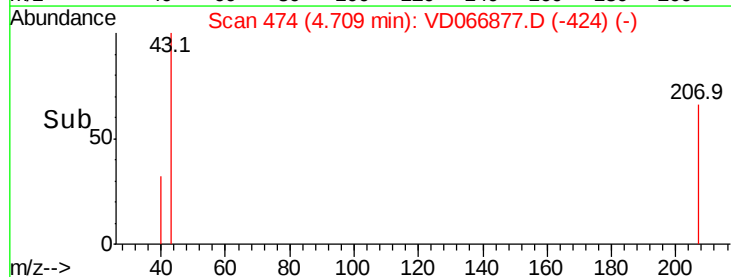
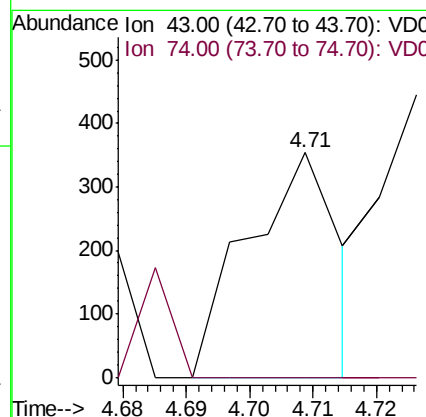
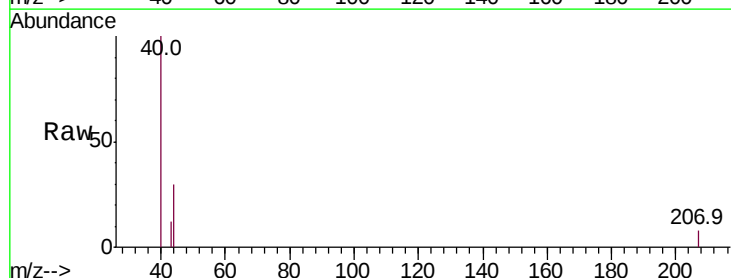
Instrument :
MSVOA_D
ClientSampleId :
TT-028-IDWSO-20200924

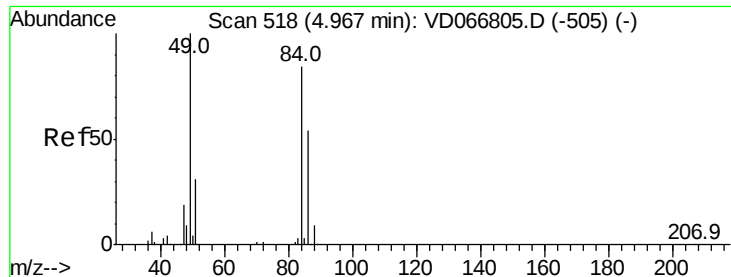
Tot Ion: 76 Resp: 13363
Ion Ratio Lower Upper
76 100
78 10.2 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066877.D
Acq: 25 Sep 2020 16:39

Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#

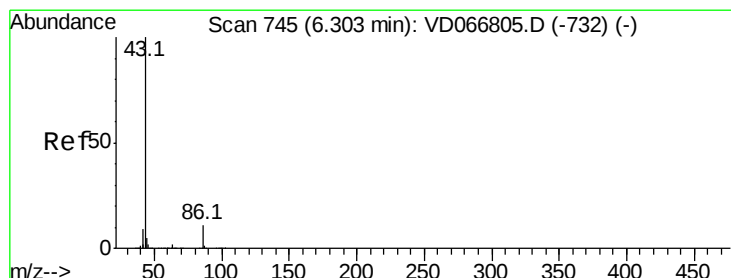
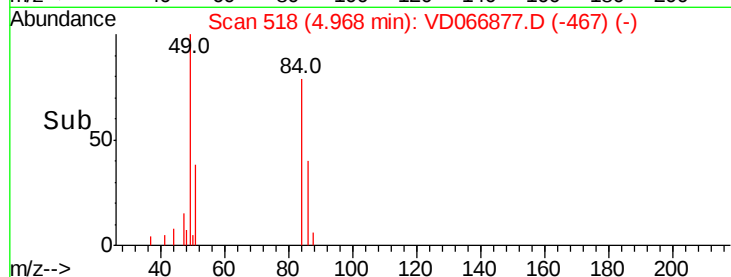
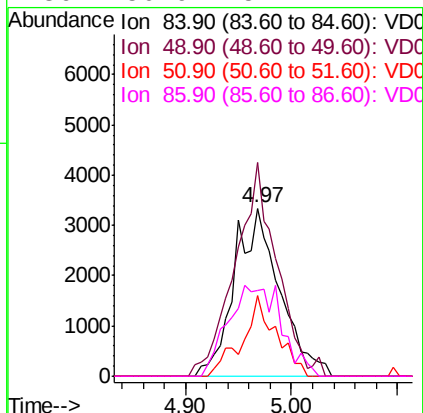
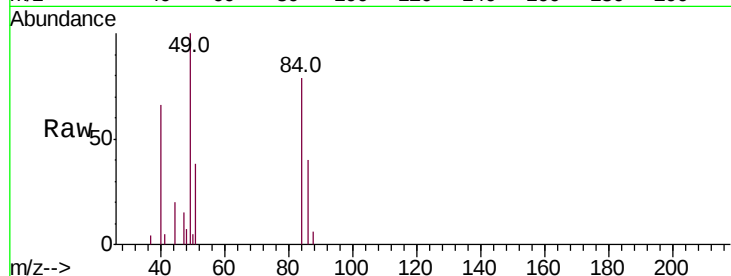




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066877.D
Acq: 25 Sep 2020 16:39

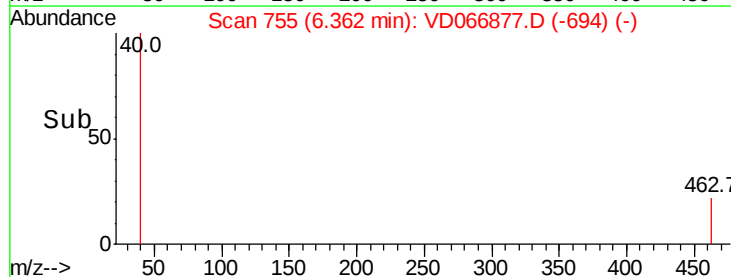
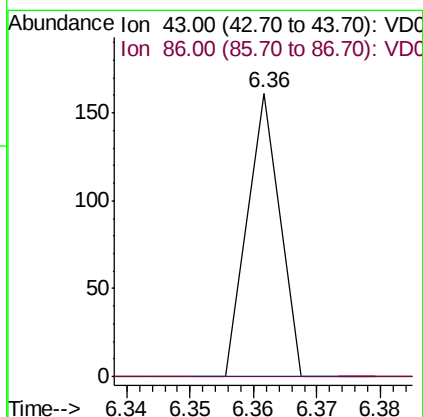
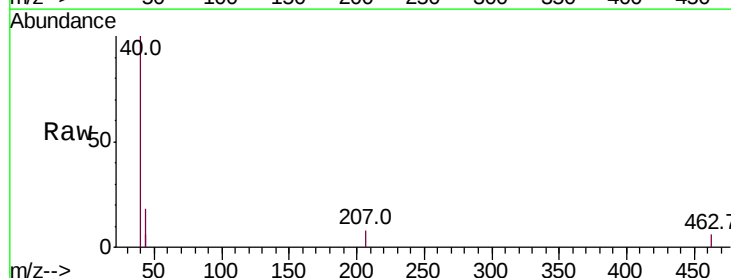
Instrument :
MSVOA_D
ClientSampleId :
TT-028-IDWSO-20200924

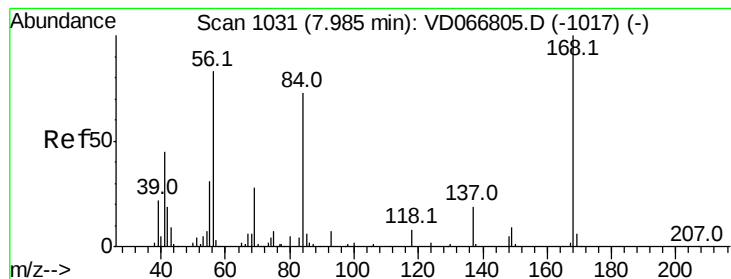
Tot Ion: 84 Resp: 10001
Ion Ratio Lower Upper
84 100
49 127.1 95.4 143.2
51 48.3 29.7 44.5#
86 50.9 51.4 77.2#



#23
Vinyl Acetate
Concen: 2.681 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.06 min
Lab File: VD066877.D
Acq: 25 Sep 2020 16:39

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#





#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

TT-028-IDWSO-20200924

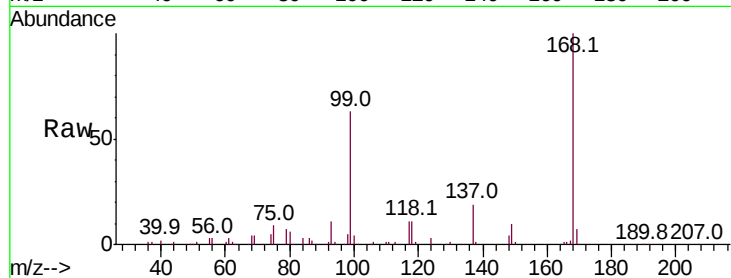
Tot Ion: 56 Resp: 8523

Ion Ratio Lower Upper

56 100

69 146.0 27.0 40.4#

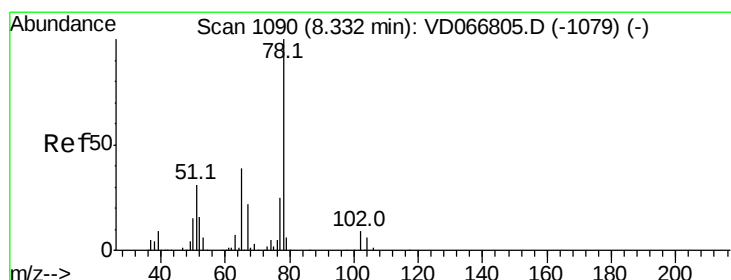
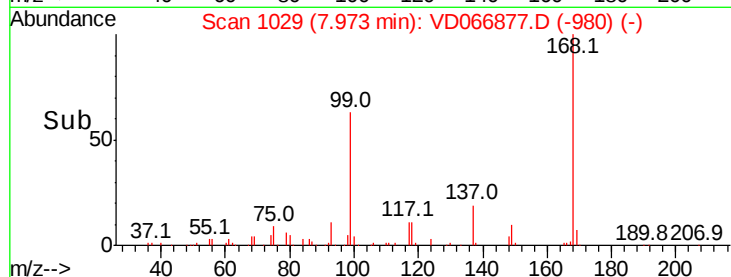
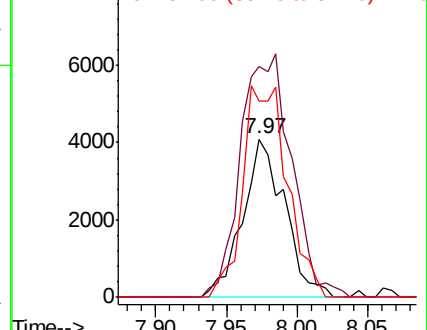
84 124.1 70.2 105.4#



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: 52.525 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066877.D

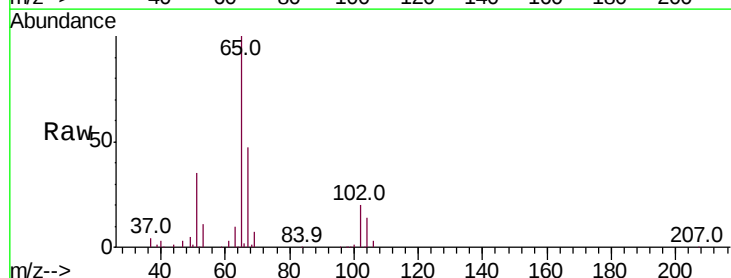
Acq: 25 Sep 2020 16:39

Tgt Ion: 65 Resp: 190640

Ion Ratio Lower Upper

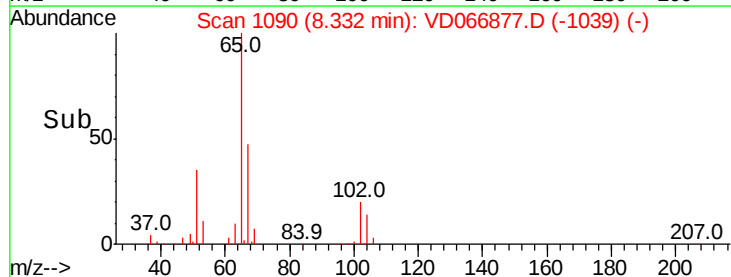
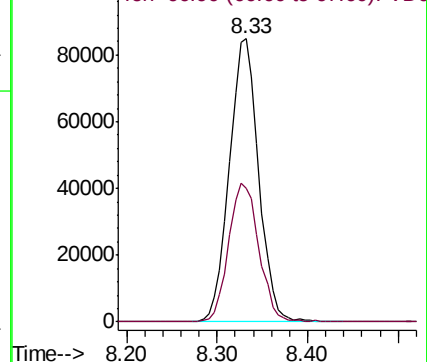
65 100

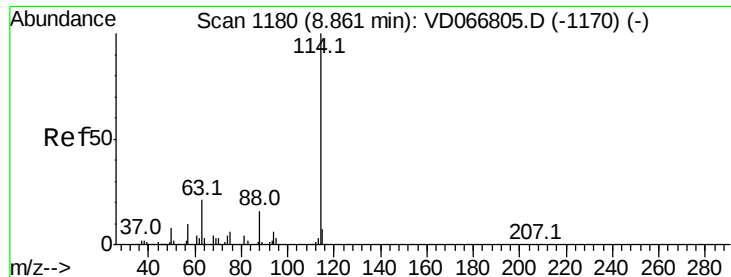
67 50.7 0.0 107.2



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: VD066877.D

Acq: 25 Sep 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

TT-028-IDWSO-20200924

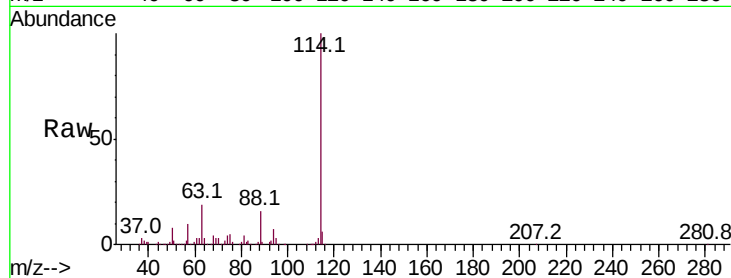
Tot Ion:114 Resp: 651355

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

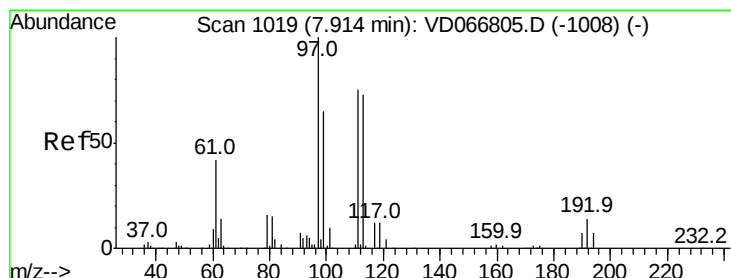
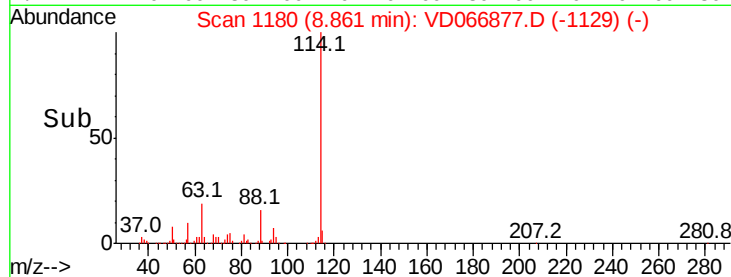
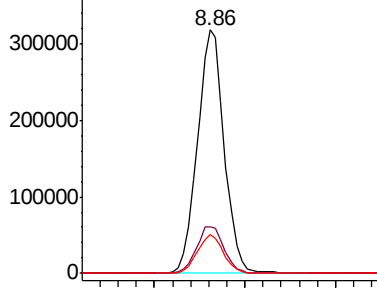
88 15.8 0.0 32.6



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: 49.086 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

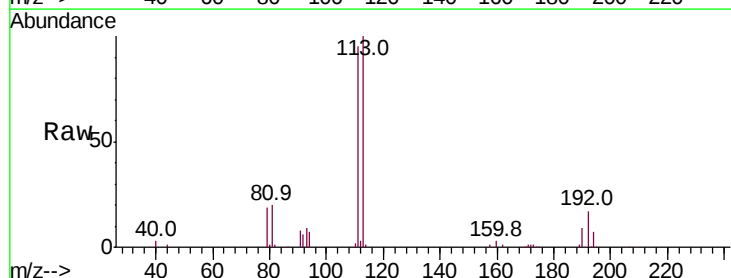
Tgt Ion:113 Resp: 203410

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

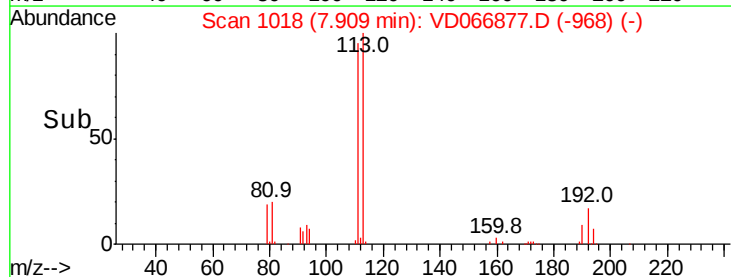
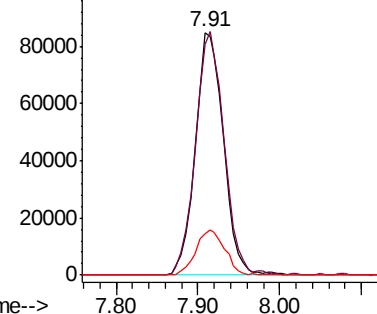
192 19.0 14.4 21.6

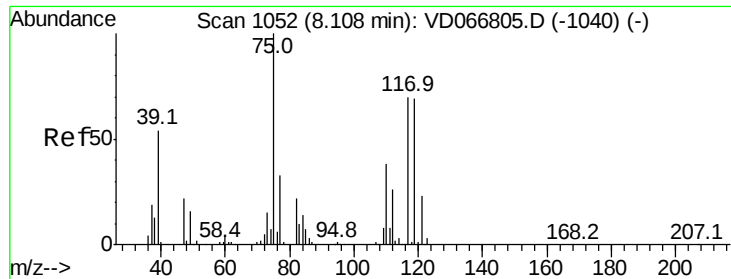


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

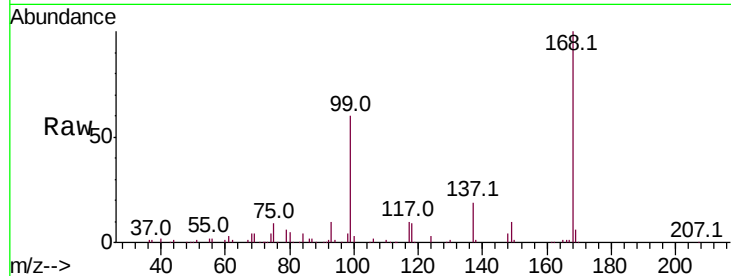




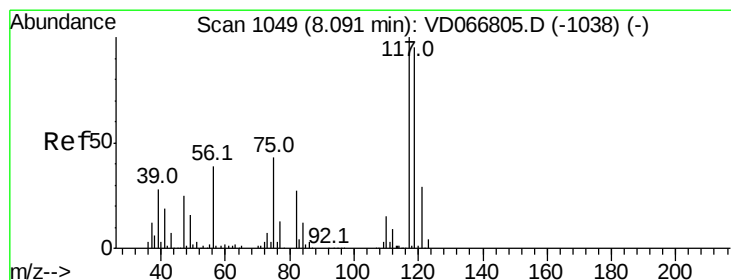
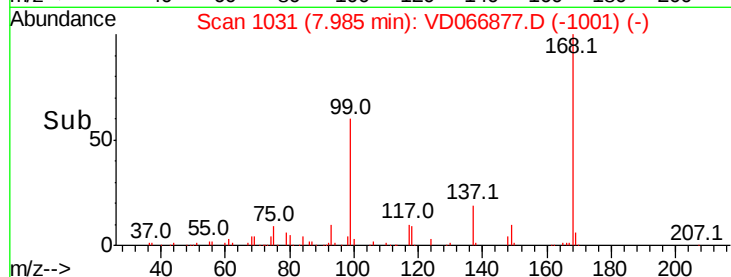
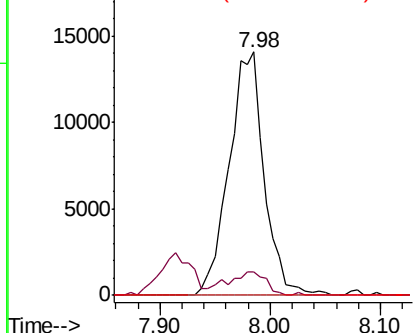
#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD066877.D
 Acq: 25 Sep 2020 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-028-IDWSO-20200924

Tot Ion: 75 Resp: 31449
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.9 53.8#
 77 0.0 25.0 37.6#

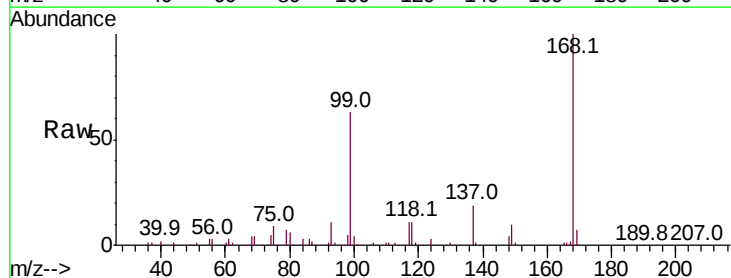


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

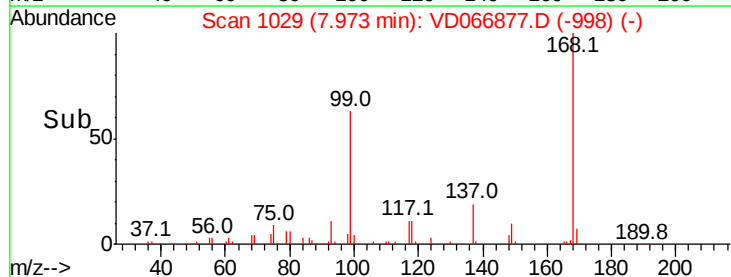
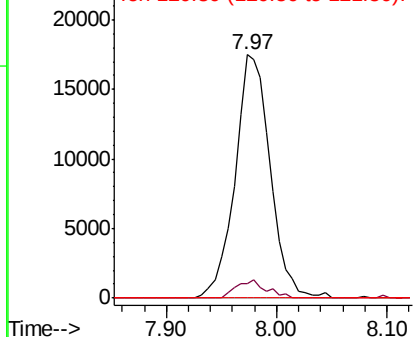


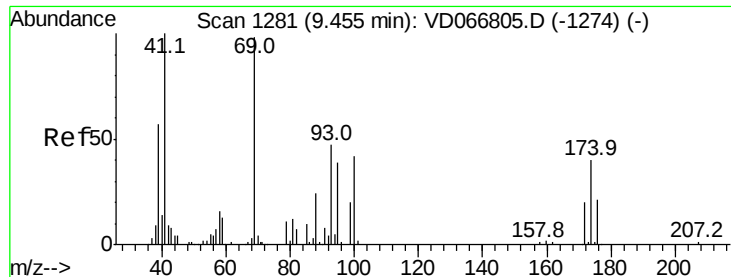
#38
 Carbon Tetrachloride
 Concen: 5.521 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066877.D
 Acq: 25 Sep 2020 16:39

Tgt Ion: 117 Resp: 39006
 Ion Ratio Lower Upper
 117 100
 119 5.9 75.8 113.8#
 121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): VDC
 Ion 118.80 (118.50 to 119.50): VDC
 Ion 120.80 (120.50 to 121.50): VDC





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.44 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

TT-028-IDWSO-20200924

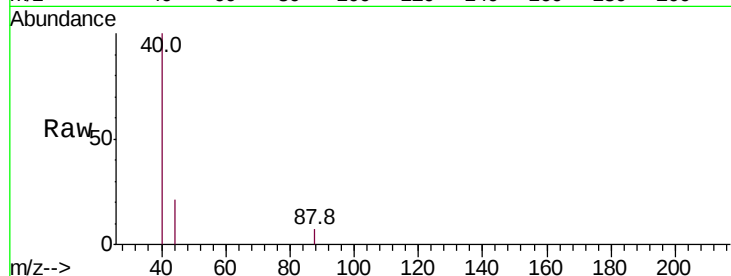
Tot Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 71.8 27.7 41.5#

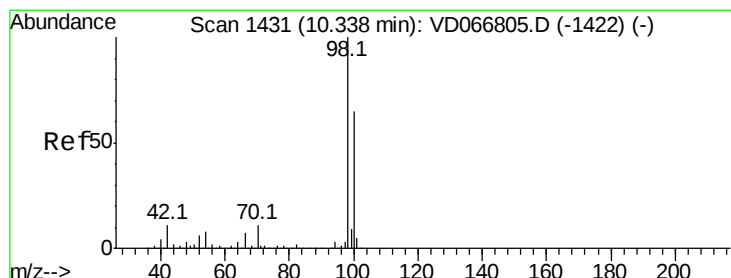
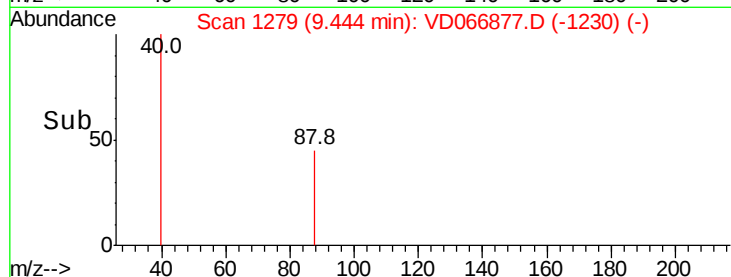
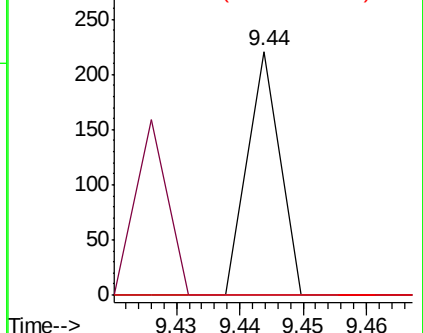
58 0.0 55.5 83.3#



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: 55.236 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066877.D

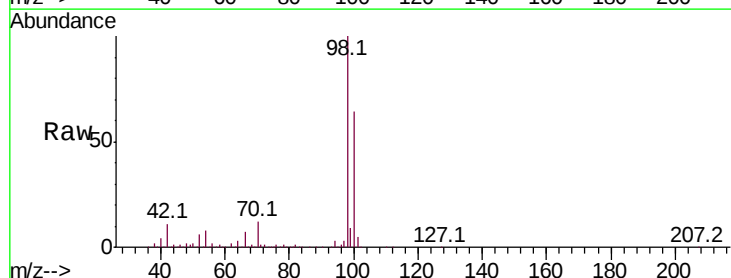
Acq: 25 Sep 2020 16:39

Tgt Ion: 98 Resp: 779874

Ion Ratio Lower Upper

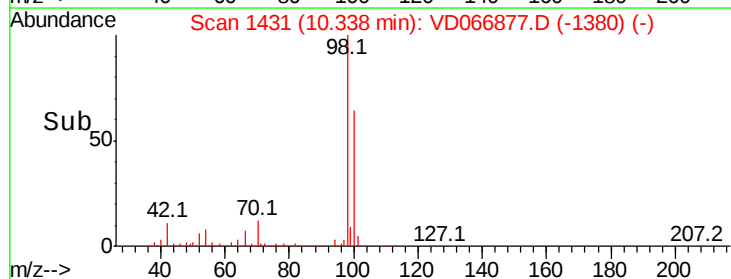
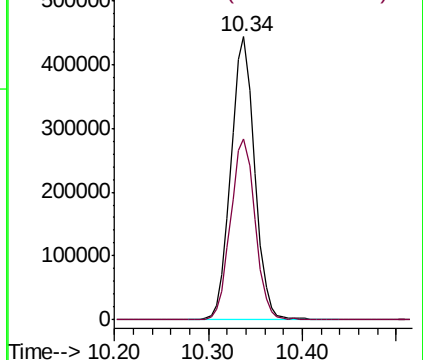
98 100

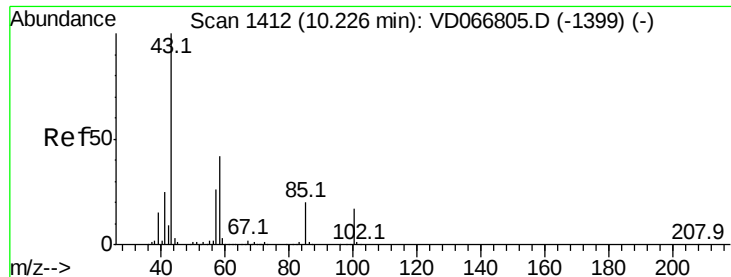
100 66.1 52.2 78.2



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: 1.247 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

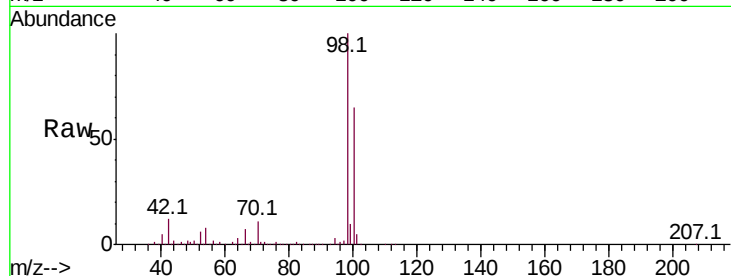
TT-028-IDWSO-20200924

Tot Ion: 43 Resp: 2846

Ion Ratio Lower Upper

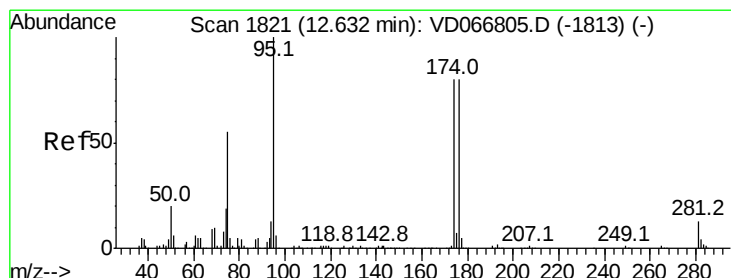
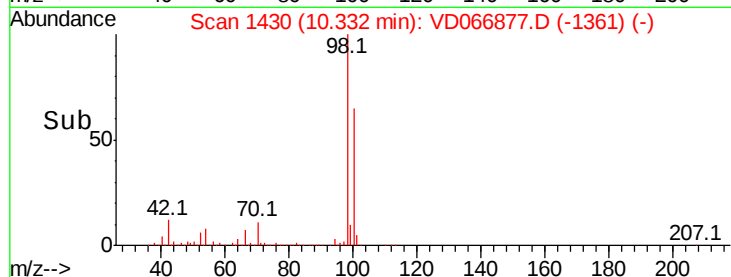
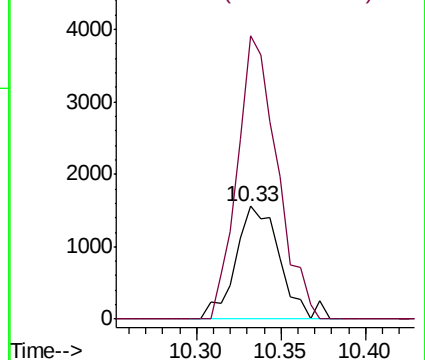
43 100

58 226.1 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: 56.759 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

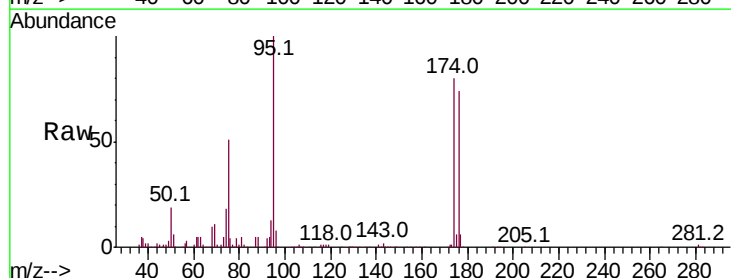
Tgt Ion: 95 Resp: 274341

Ion Ratio Lower Upper

95 100

174 78.9 0.0 159.8

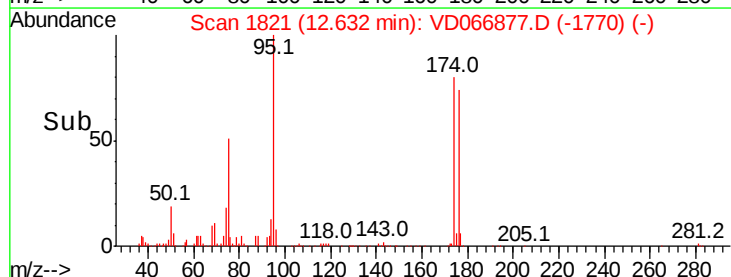
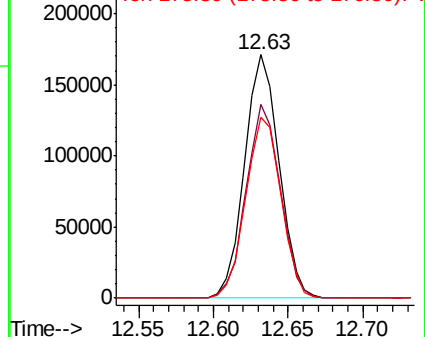
176 75.9 0.0 154.4

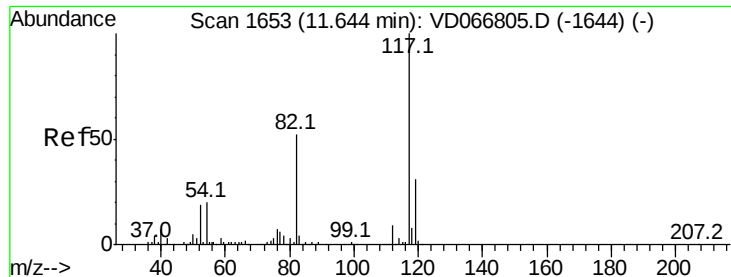


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

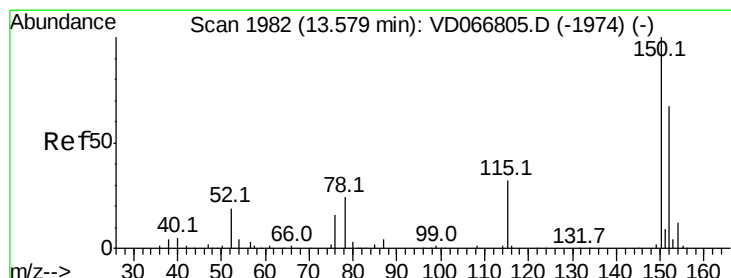
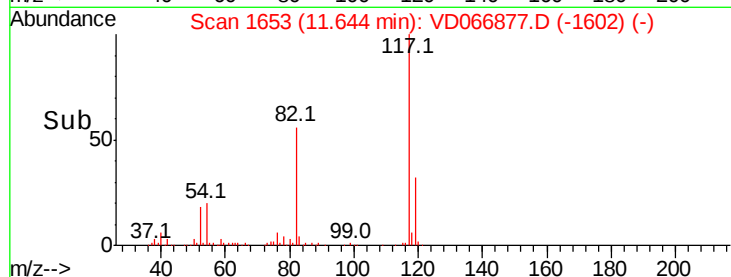
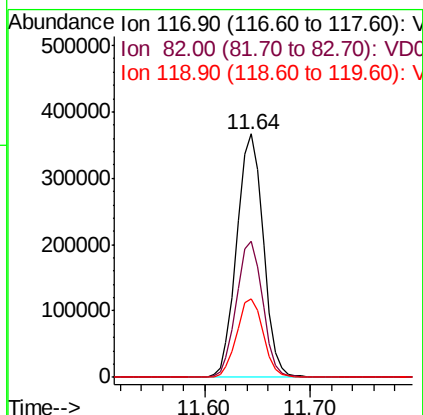
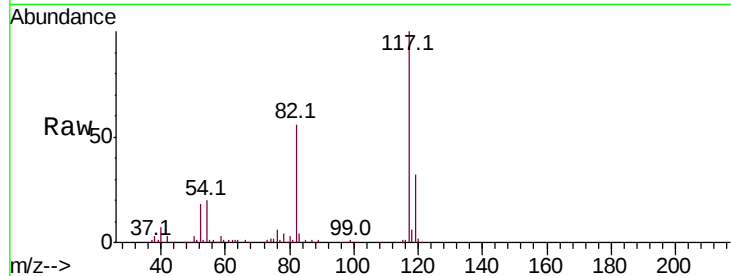




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066877.D
Acq: 25 Sep 2020 16:39

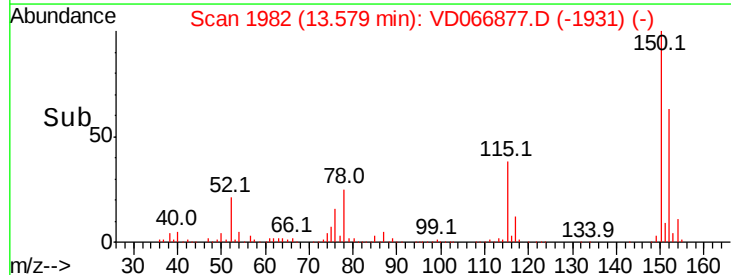
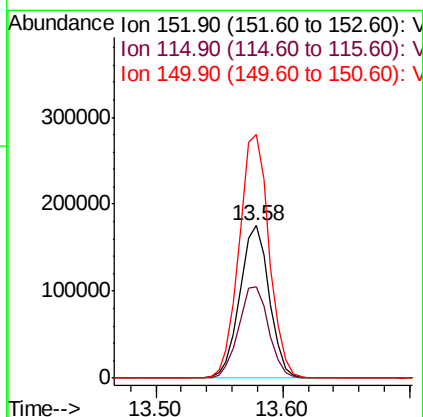
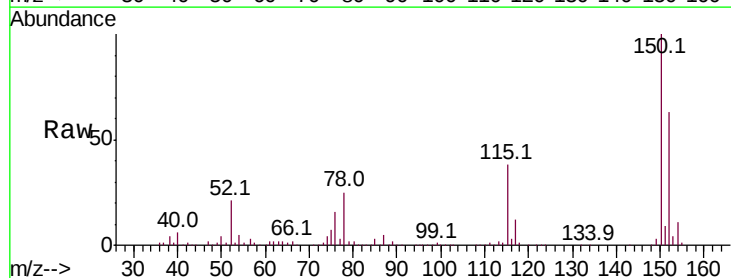
Instrument :
MSVOA_D
ClientSampleId :
TT-028-IDWSO-20200924

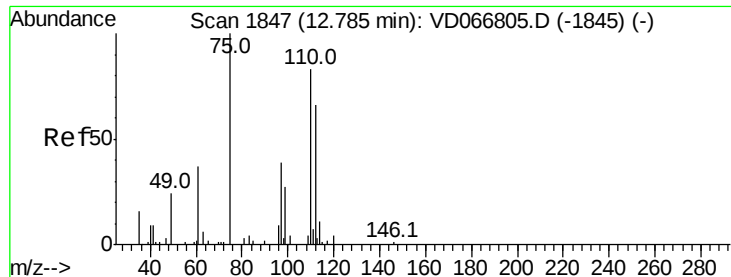
Tot Ion:117 Resp: 636320
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.6
119 32.4 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066877.D
Acq: 25 Sep 2020 16:39

Tgt Ion:152 Resp: 282728
Ion Ratio Lower Upper
152 100
115 61.3 30.3 91.0
150 162.1 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 60.575 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

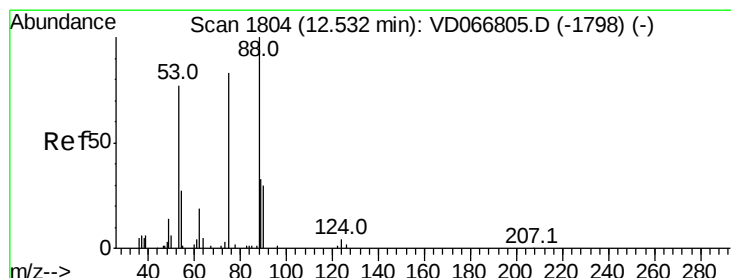
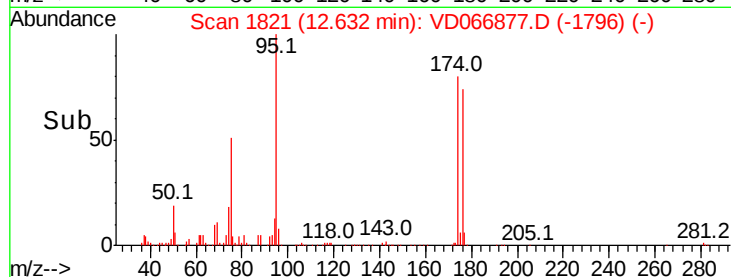
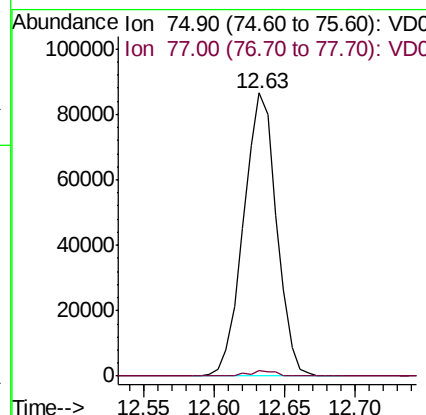
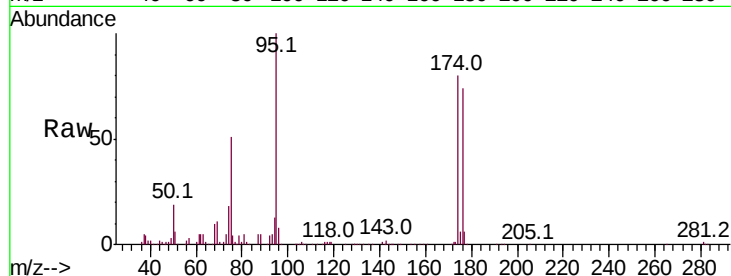
TT-028-IDWSO-20200924

Tot Ion: 75 Resp: 141928

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.552 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066877.D

Acq: 25 Sep 2020 16:39

Tgt Ion: 75 Resp: 141928

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

