

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066613.D
 Acq On : 10 Sep 2020 13:53
 Operator : VA/SY
 Sample : L3956-02
 Misc : 6.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-029-IDW/ISO-20200909

Quant Time: Sep 11 02:07:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	322881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	633536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	584052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258232	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	230750	59.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.14%	
35) Dibromofluoromethane	7.91	113	221101	51.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.46%	
50) Toluene-d8	10.34	98	783579	51.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.63	95	253548	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	

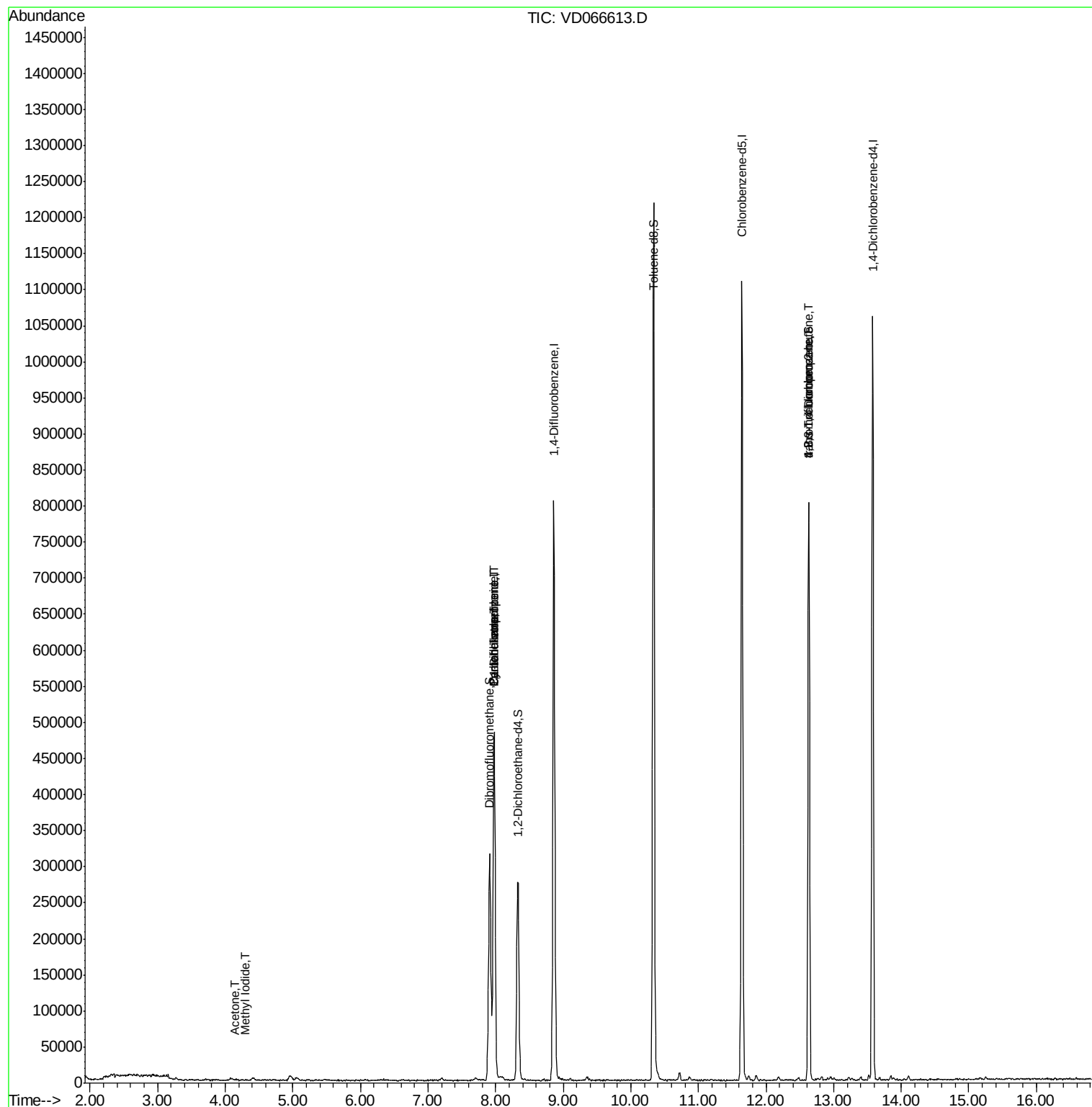
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	547	Below Cal	#	1
5) Bromomethane	2.77	94	1118	Below Cal	#	81
10) Methyl Iodide	4.30	142	577	4.184	ug/l #	48
16) Acetone	4.15	43	1529	2.127	ug/l #	46
20) Methylene Chloride	4.95	84	2107	Below Cal	#	73
31) Cyclohexane	7.98	56	10207	1.602	ug/l #	58
36) 1,1-Dichloropropene	7.98	75	30912	4.688	ug/l #	52
38) Carbon Tetrachloride	7.97	117	36460	5.232	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	145546	58.605	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	145546	136.822	ug/l #	7

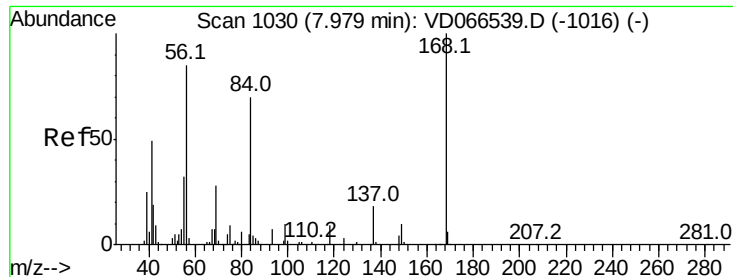
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 04 01:57:04 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: VD066613.D

Acq: 10 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

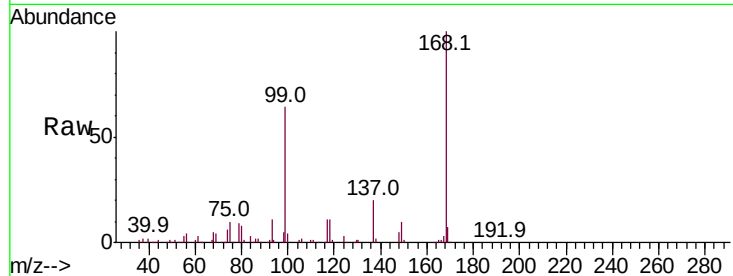
TT-029-IDWSO-20200909

Tot Ion:168 Resp: 322881

Ion Ratio Lower Upper

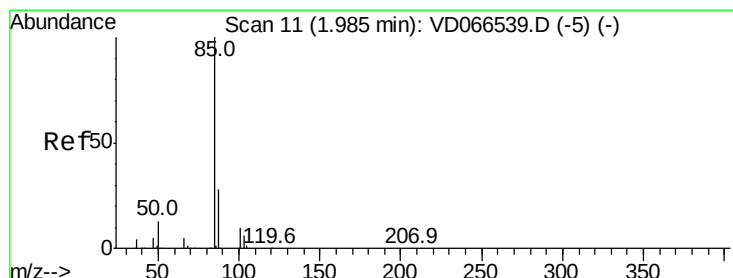
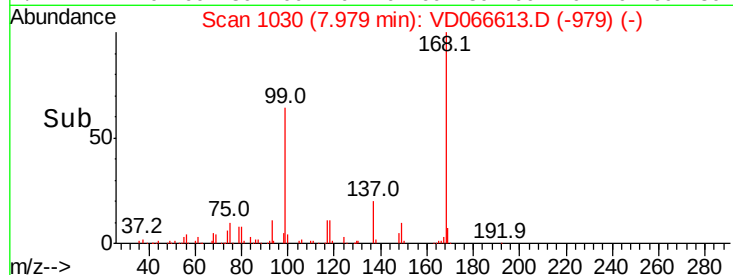
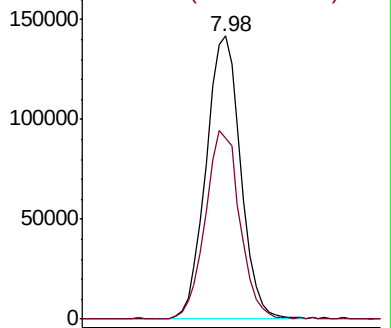
168 100

99 64.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066613.D

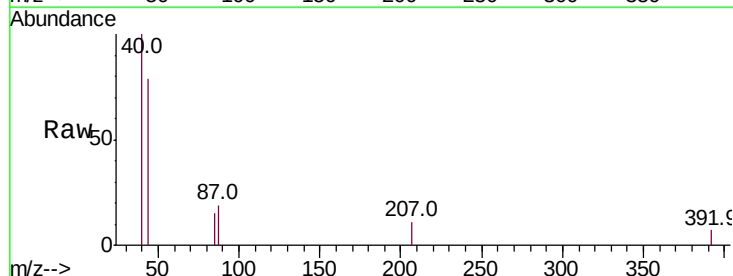
Acq: 10 Sep 2020 13:53

Tgt Ion: 85 Resp: 547

Ion Ratio Lower Upper

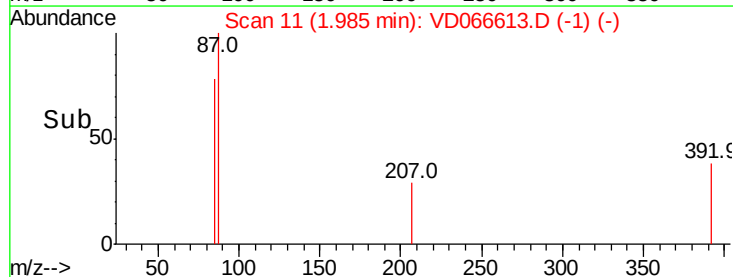
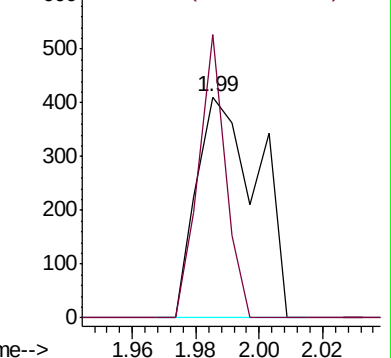
85 100

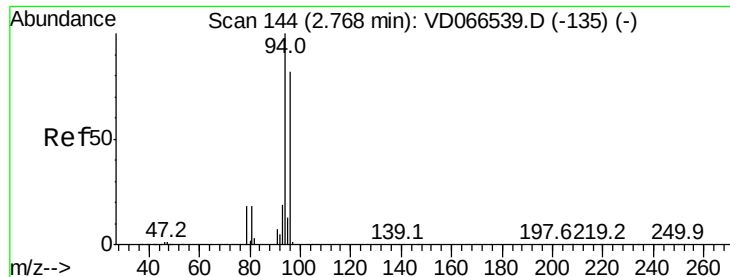
87 128.2 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066613.D

Acq: 10 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

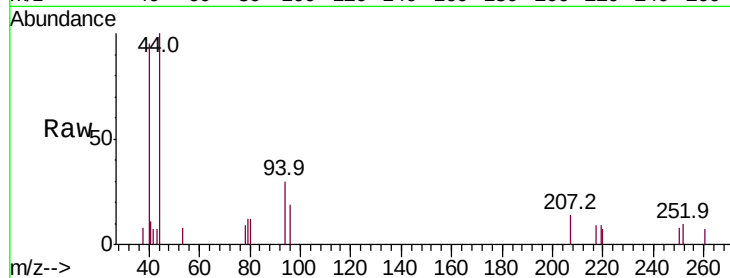
TT-029-IDWSO-20200909

Tot Ion: 94 Resp: 1118

Ion Ratio Lower Upper

94 100

96 64.3 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

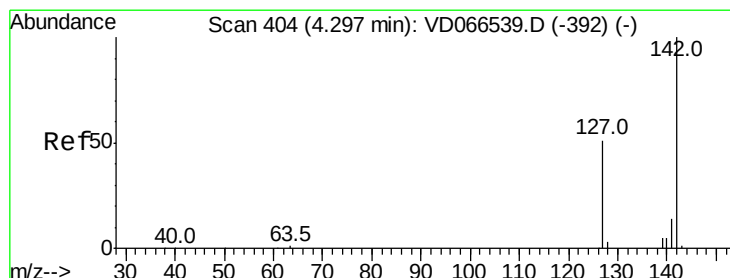
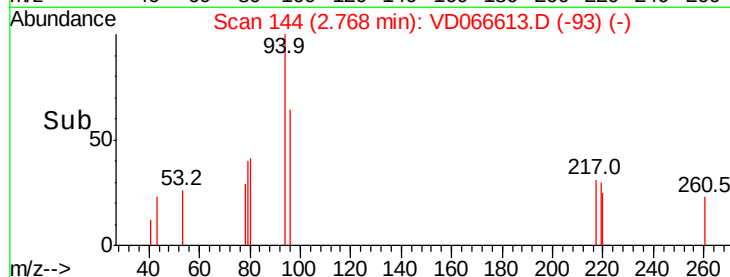
600

400

200

0

Time--> 2.72 2.74 2.76 2.78 2.80



#10

Methyl Iodide

Concen: 4.184 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066613.D

Acq: 10 Sep 2020 13:53

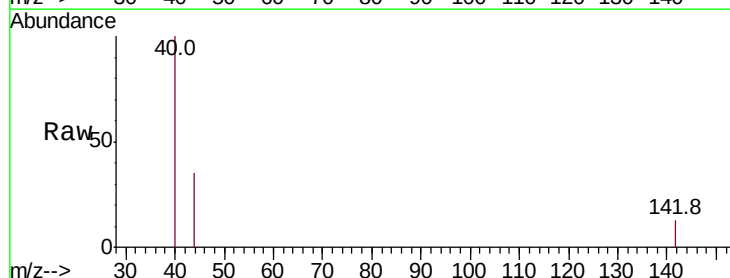
Tgt Ion: 142 Resp: 577

Ion Ratio Lower Upper

142 100

127 11.4 40.6 61.0#

141 0.0 12.2 18.4#



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

500

400

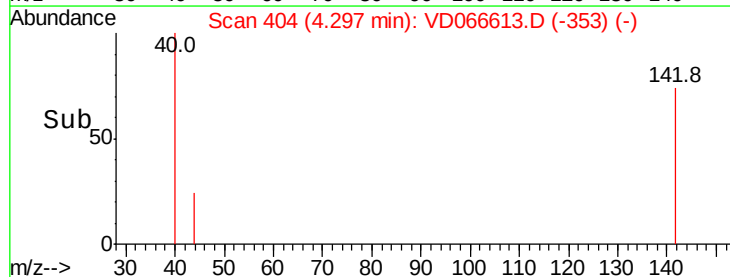
300

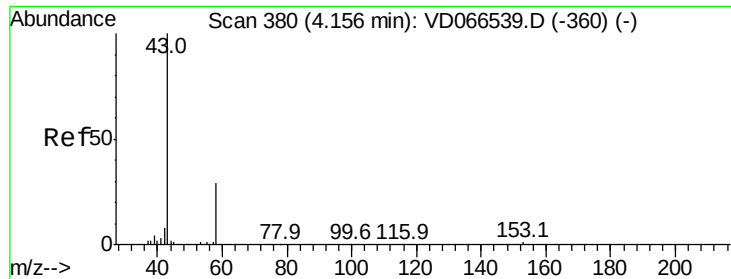
200

100

0

Time--> 4.26 4.28 4.30 4.32 4.34





#16

Acetone

Concen: 2.127 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066613.D

Acq: 10 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

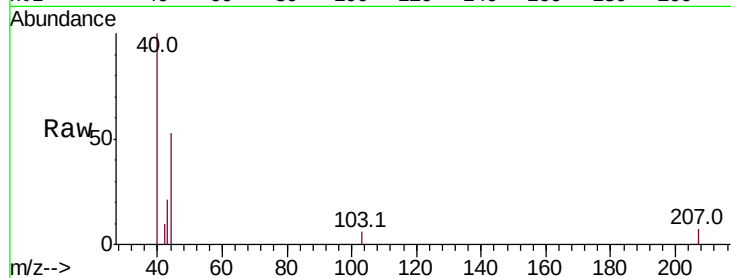
TT-029-IDWSO-20200909

Tot Ion: 43 Resp: 1529

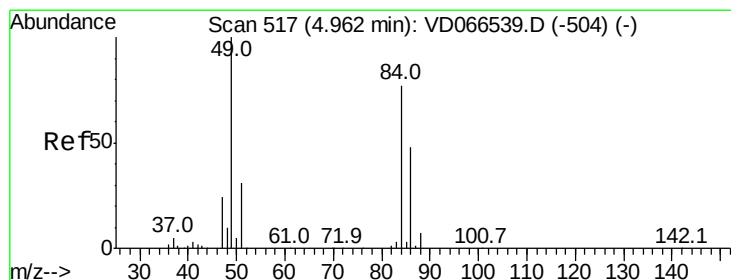
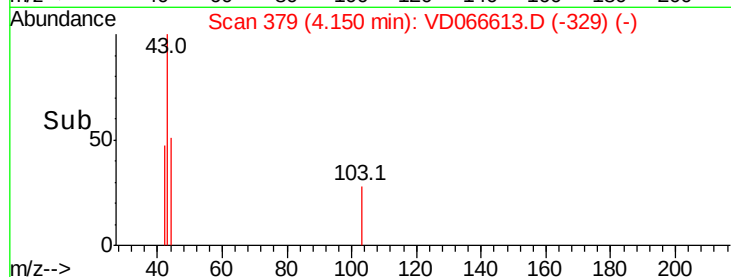
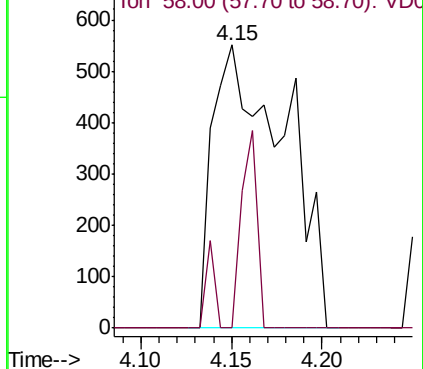
Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD066613.D

Acq: 10 Sep 2020 13:53

Tgt Ion: 84 Resp: 2107

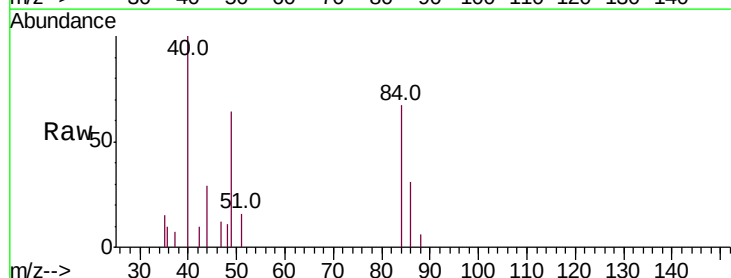
Ion Ratio Lower Upper

84 100

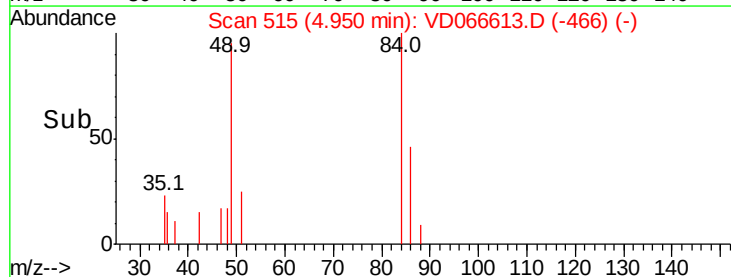
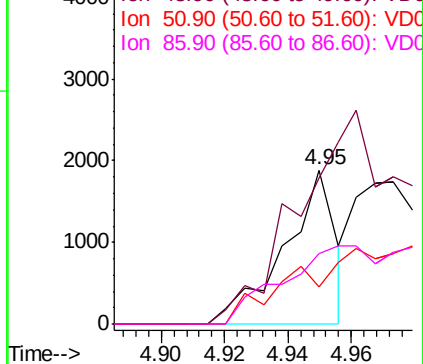
49 95.3 104.3 156.5#

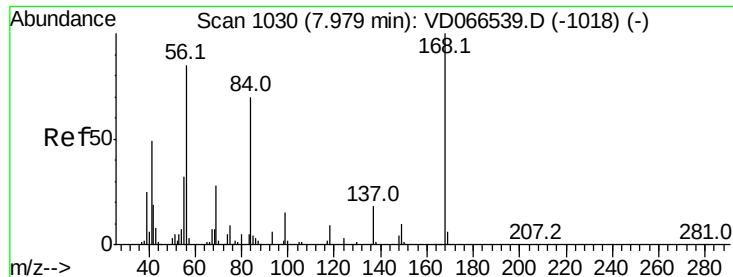
51 24.6 32.2 48.4#

86 45.8 50.0 75.0#



Abundance Ion 83.90 (83.60 to 84.60): VDC

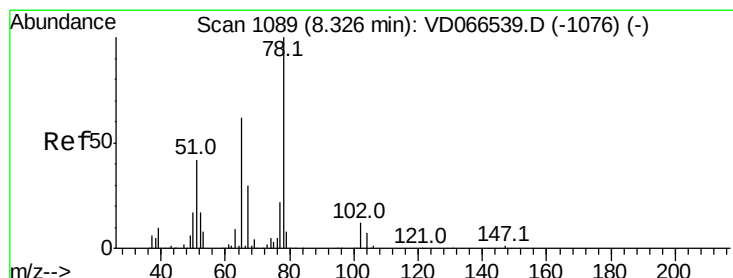
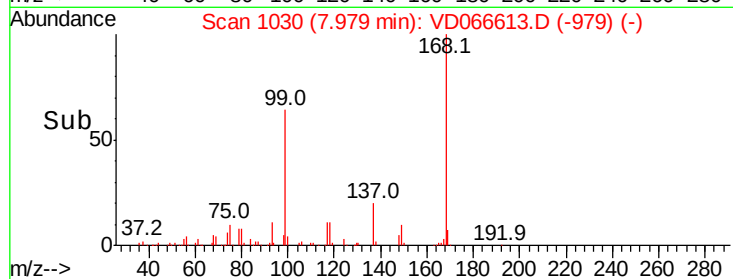
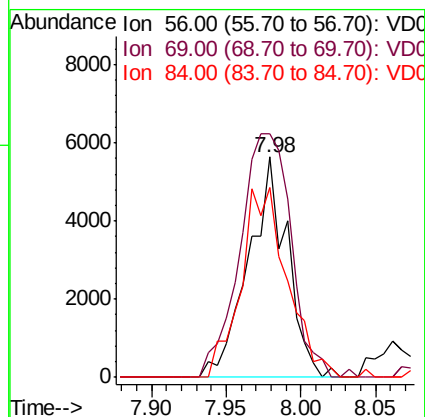
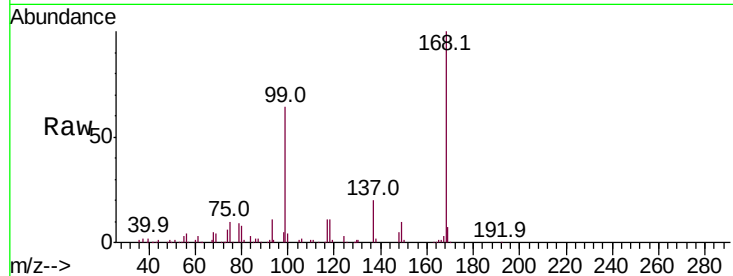




#31
Cyclohexane
Concen: 1.602 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066613.D
Acq: 10 Sep 2020 13:53

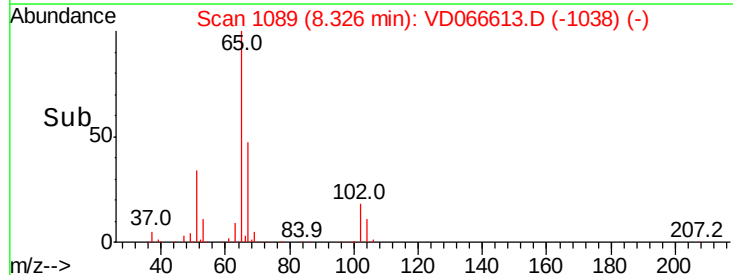
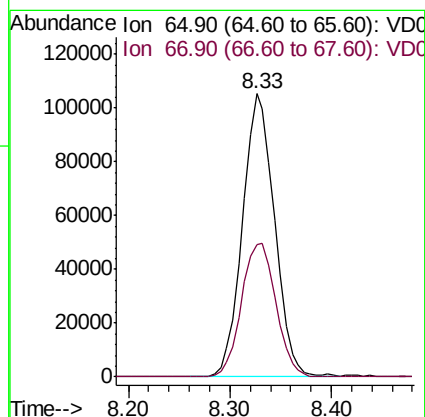
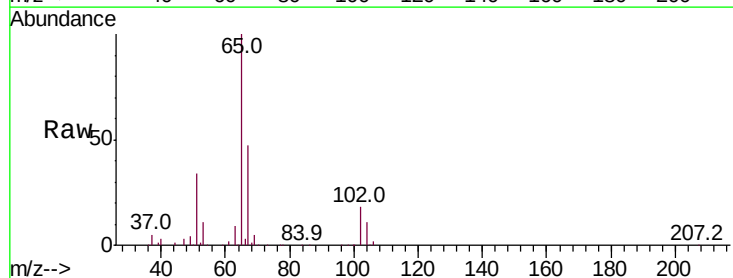
Instrument :
MSVOA_D
ClientSampleId :
TT-029-IDWSO-20200909

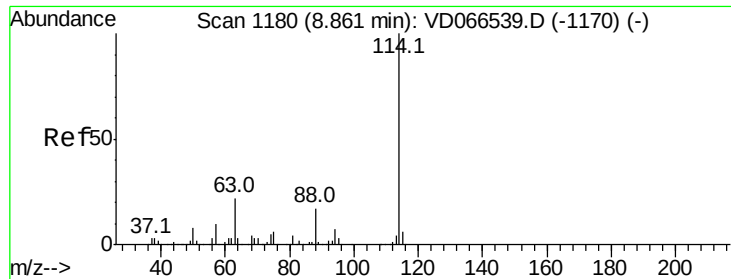
Tot Ion: 56 Resp: 10207
Ion Ratio Lower Upper
56 100
69 110.6 26.3 39.5#
84 86.0 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 59.067 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066613.D
Acq: 10 Sep 2020 13:53

Tgt Ion: 65 Resp: 230750
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.8

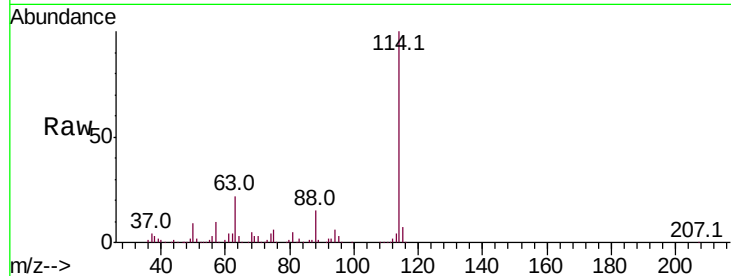




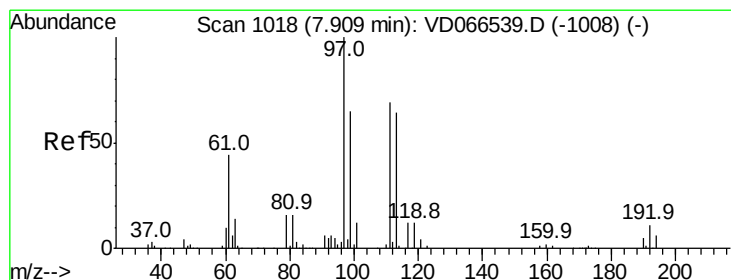
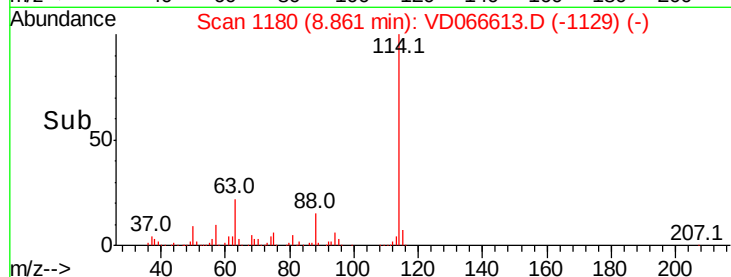
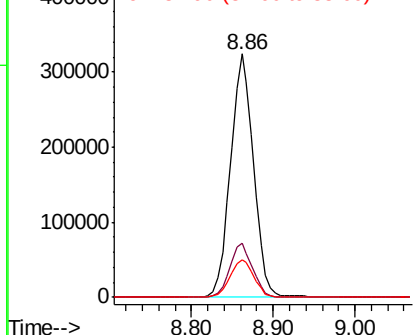
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066613.D
Acq: 10 Sep 2020 13:53

Instrument :
MSVOA_D
ClientSampleId :
TT-029-IDWSO-20200909

Tot Ion:114 Resp: 633536
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.2
88 15.3 0.0 33.2

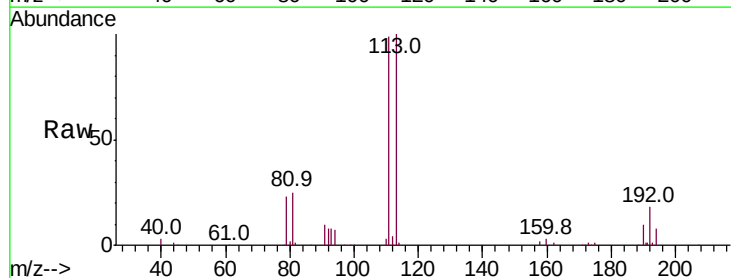


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

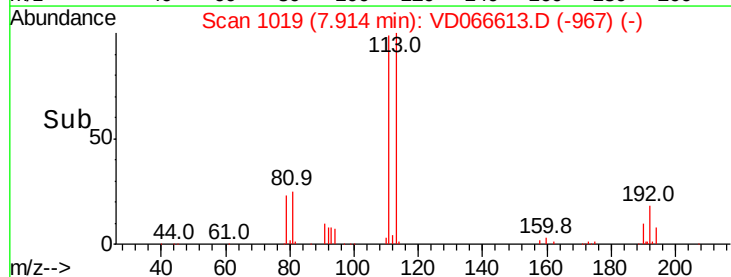
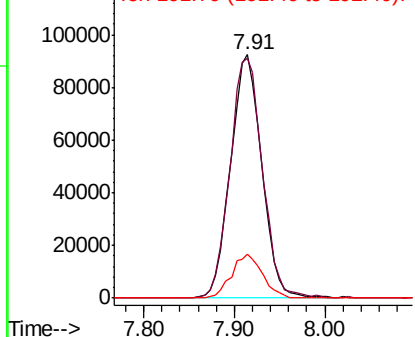


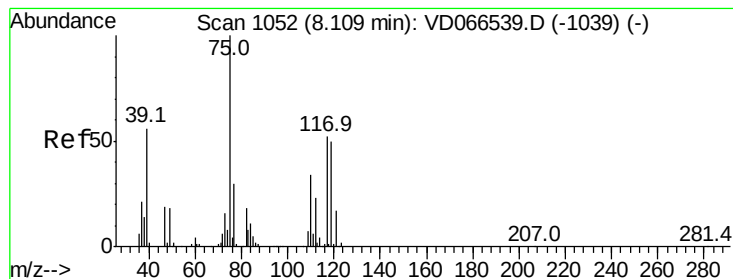
#35
Dibromofluoromethane
Concen: 51.733 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066613.D
Acq: 10 Sep 2020 13:53

Tgt Ion:113 Resp: 221101
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 17.9 13.7 20.5



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: 4.688 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066613.D

Acq: 10 Sep 2020 13:53

Instrument :
MSVOA_D
ClientSampleId :
TT-029-IDWSO-20200909

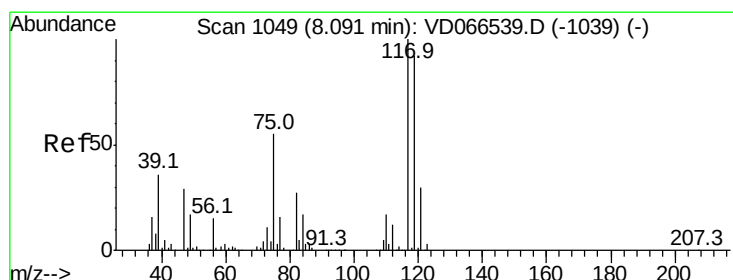
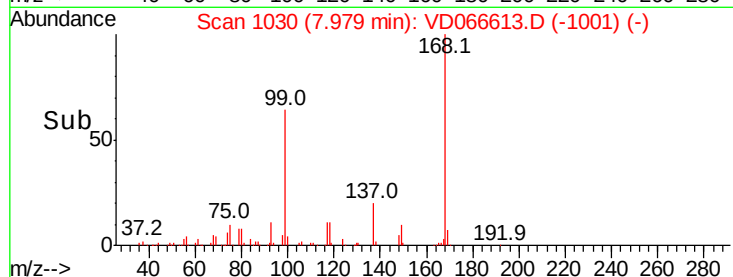
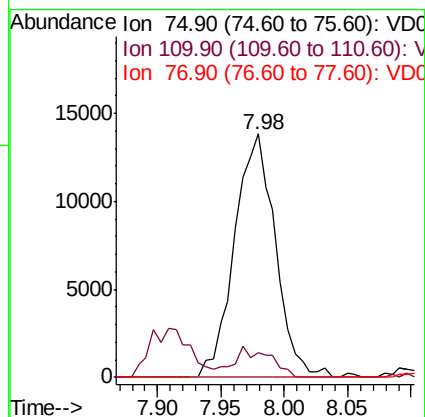
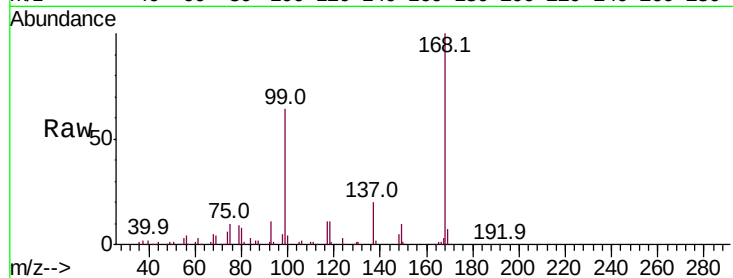
Tot Ion: 75 Resp: 30912

Ion Ratio Lower Upper

75 100

110 11.2 17.3 52.0#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.232 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066613.D

Acq: 10 Sep 2020 13:53

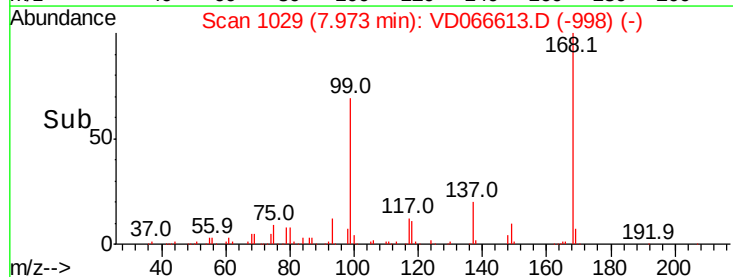
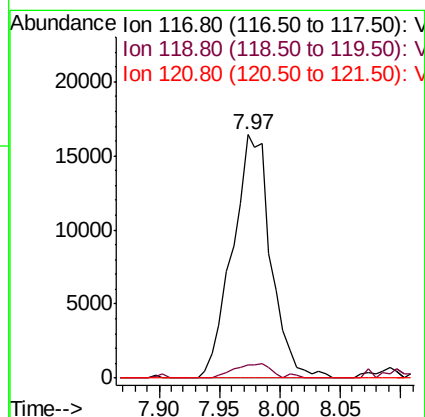
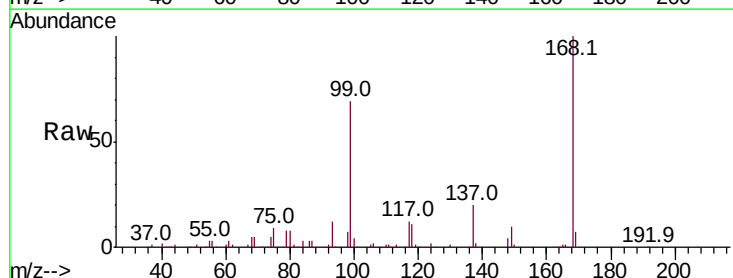
Tgt Ion: 117 Resp: 36460

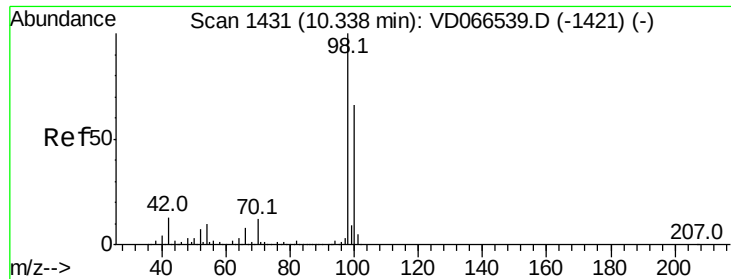
Ion Ratio Lower Upper

117 100

119 5.6 73.9 110.9#

121 0.0 24.1 36.1#

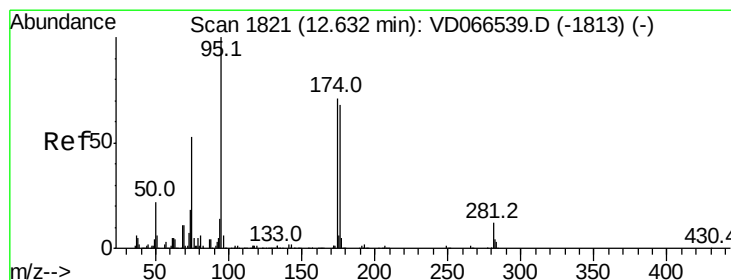
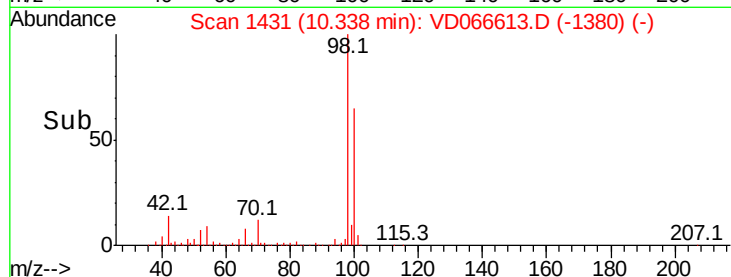
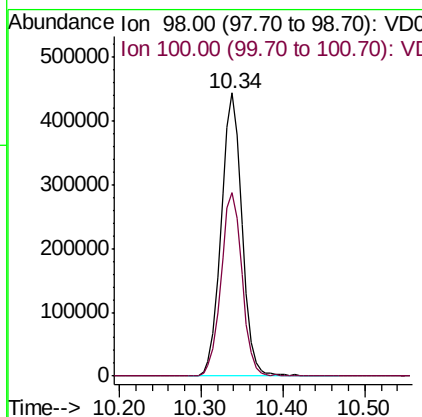
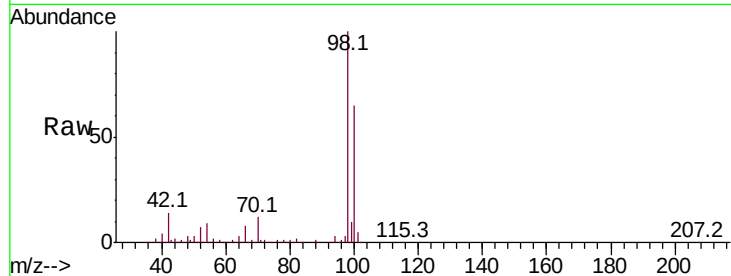




#50
Toluene-d8
Concen: 51.296 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066613.D
Acq: 10 Sep 2020 13:53

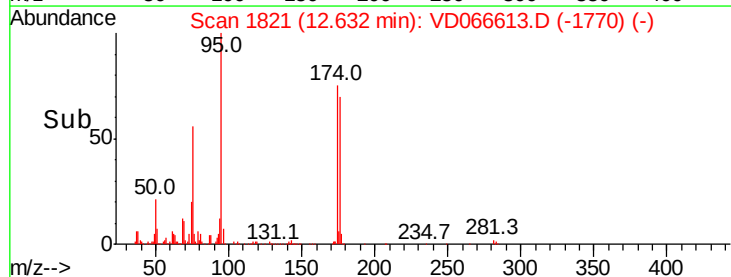
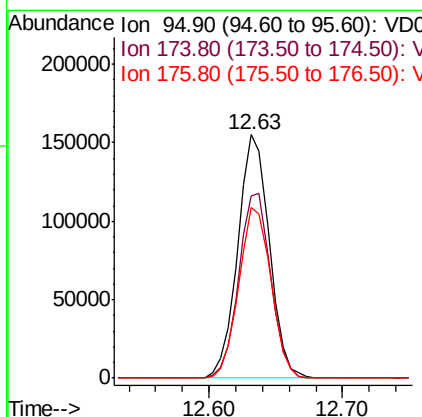
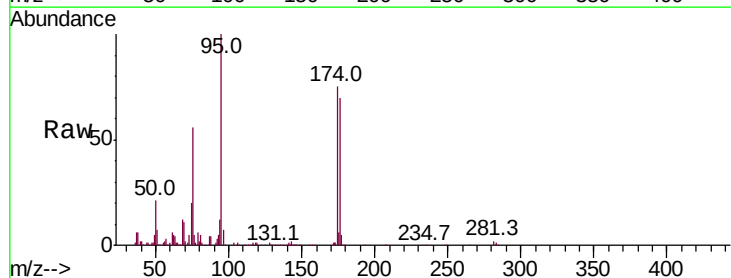
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MSVOA_D
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TT-029-IDWSO-20200909

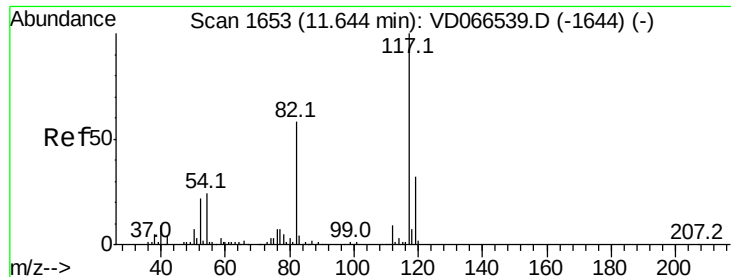
Tot Ion: 98 Resp: 783579
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.057 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066613.D
Acq: 10 Sep 2020 13:53

Tgt Ion: 95 Resp: 253548
Ion Ratio Lower Upper
95 100
174 76.6 0.0 155.8
176 71.6 0.0 148.6

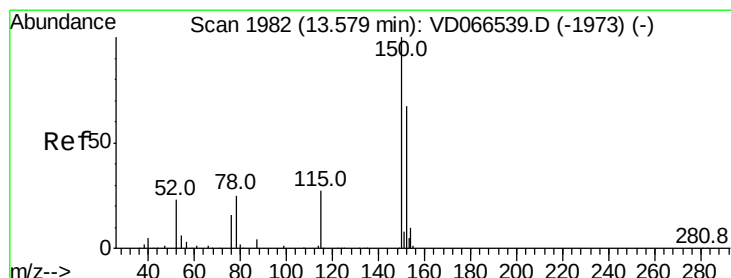
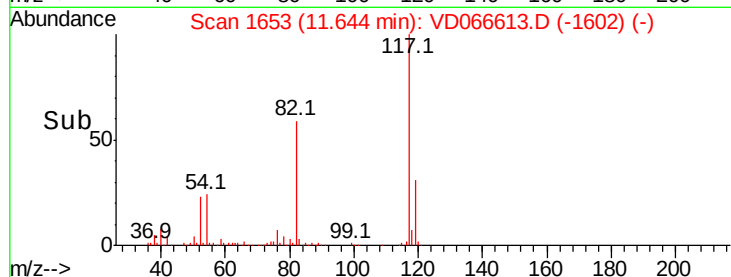
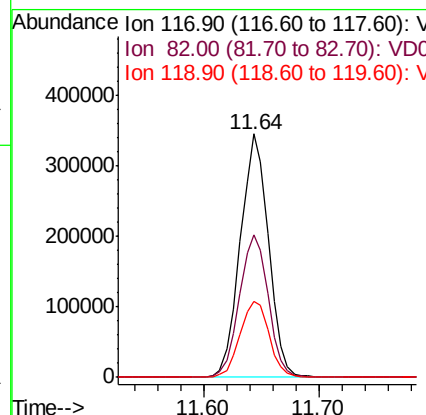
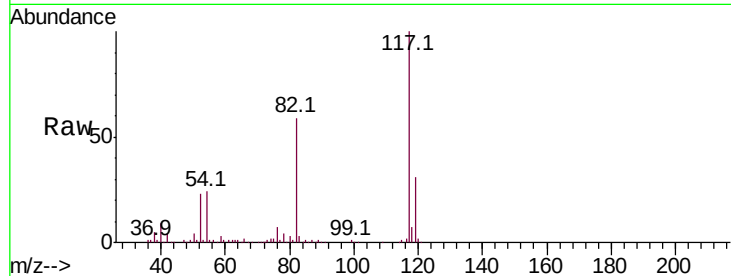




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066613.D
Acq: 10 Sep 2020 13:53

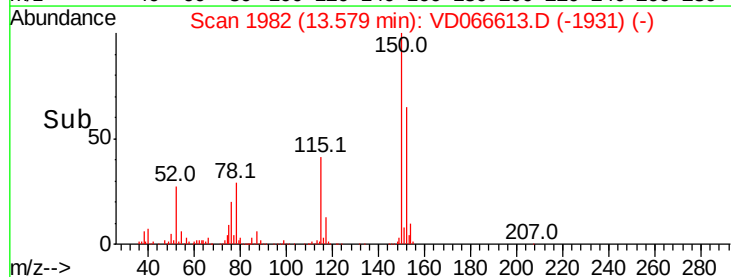
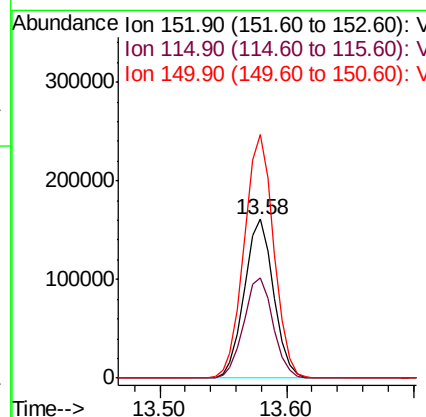
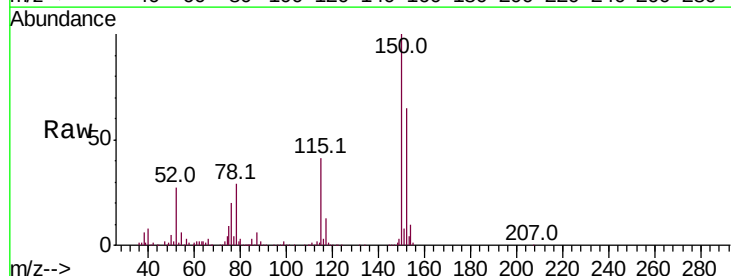
Instrument :
MSVOA_D
ClientSampleId :
TT-029-IDWSO-20200909

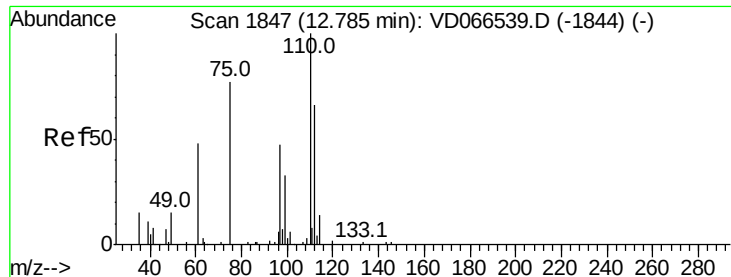
Tot Ion:117 Resp: 584052
Ion Ratio Lower Upper
117 100
82 58.8 46.2 69.2
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066613.D
Acq: 10 Sep 2020 13:53

Tgt Ion:152 Resp: 258232
Ion Ratio Lower Upper
152 100
115 63.2 30.4 91.2
150 154.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 58.605 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066613.D

Acq: 10 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

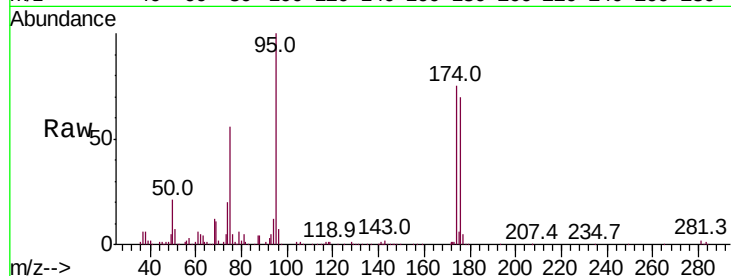
TT-029-IDWSO-20200909

Tot Ion: 75 Resp: 145546

Ion Ratio Lower Upper

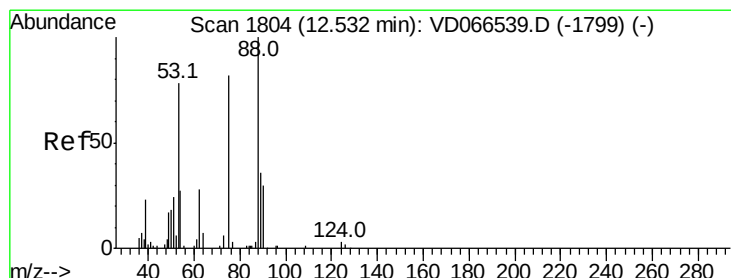
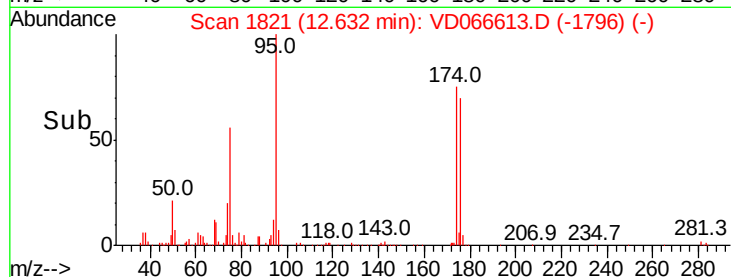
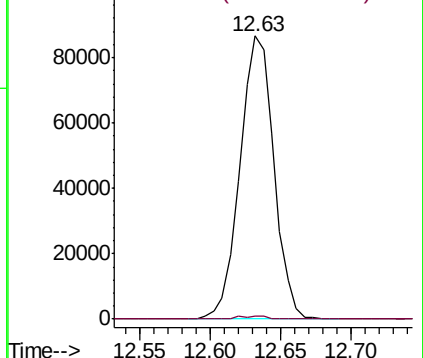
75 100

77 1.1 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: 136.822 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066613.D

Acq: 10 Sep 2020 13:53

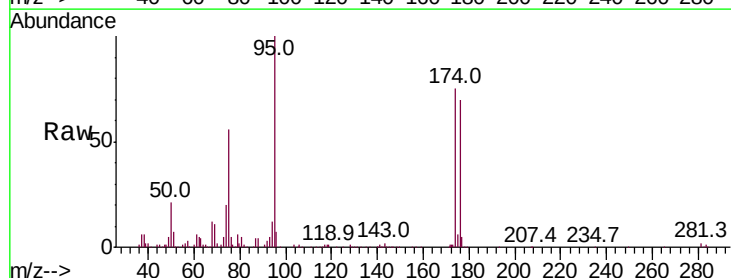
Tgt Ion: 75 Resp: 145546

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#



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

