

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066282.D
 Acq On : 18 Aug 2020 17:09
 Operator : VA/SY
 Sample : L3711-01
 Misc : 7.82G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-025-IDWSO-20200814

Quant Time: Aug 19 06:41:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	205238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	315031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	280857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128032	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	96709	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	7.91	113	99285	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.34	98	330923	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
62) 4-Bromofluorobenzene	12.63	95	105968	39.92	ug/l	0.00
Spiked Amount			Recovery	=	79.84%	

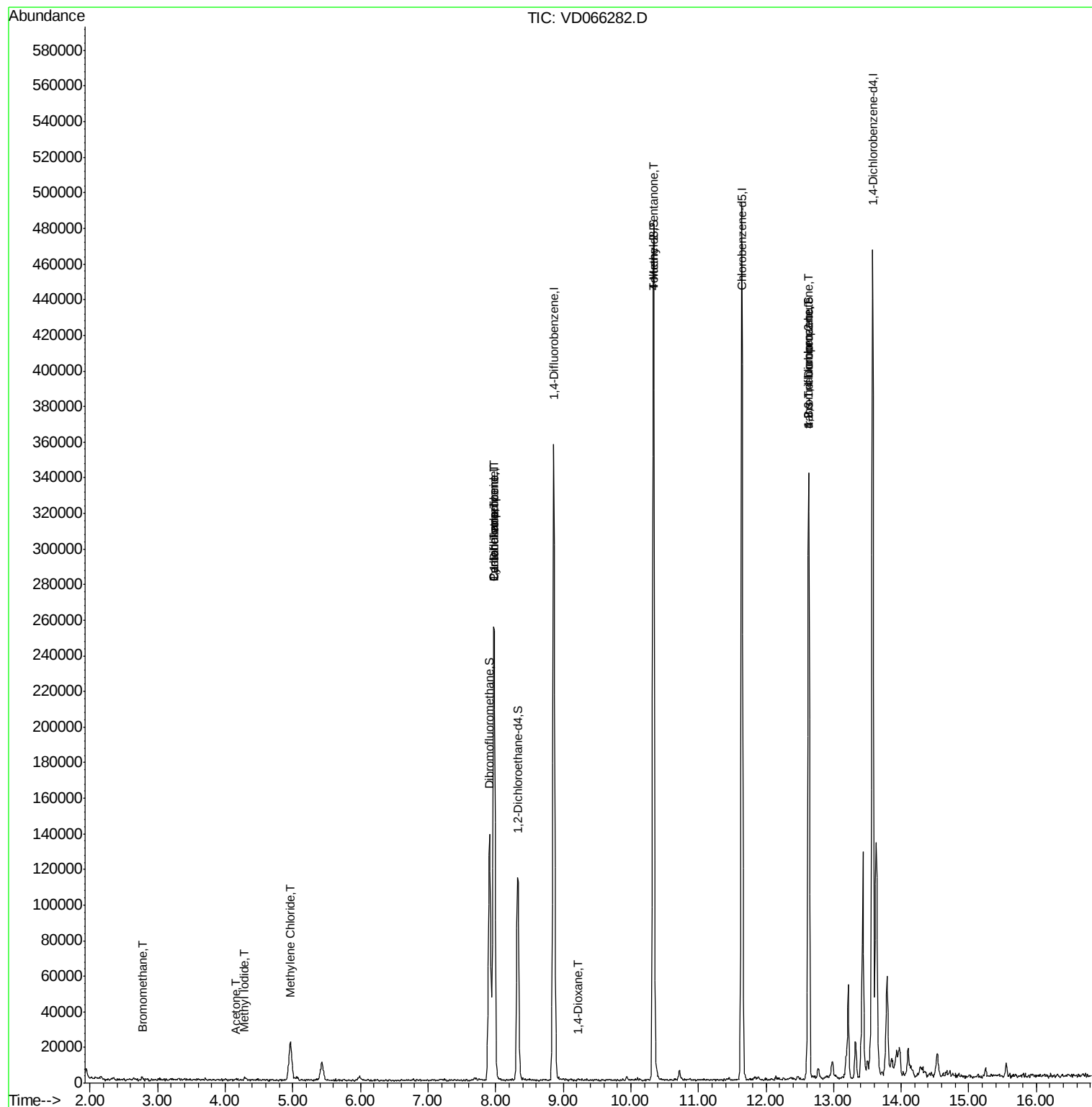
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	1236	1.496	ug/l #	73
10) Methyl Iodide	4.29	142	1873	7.636	ug/l #	55
11) Tert butyl alcohol	5.24	59	114	Below Cal	#	76
16) Acetone	4.16	43	897	2.582	ug/l #	44
20) Methylene Chloride	4.97	84	17064	4.288	ug/l #	81
31) Cyclohexane	7.97	56	3636	1.133	ug/l #	3
36) 1,1-Dichloropropene	7.97	75	13798	4.661	ug/l #	52
38) Carbon Tetrachloride	7.97	117	20543	6.223	ug/l #	14
49) 1,4-Dioxane	9.23	88	73	5.136	ug/l #	1
51) 4-Methyl-2-Pentanone	10.33	43	1821	1.534	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	54278	50.837	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	54278	112.377	ug/l #	13

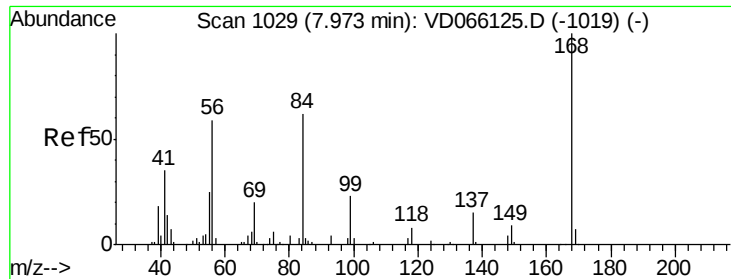
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081820\
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Quant Time: Aug 19 06:41:52 2020
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

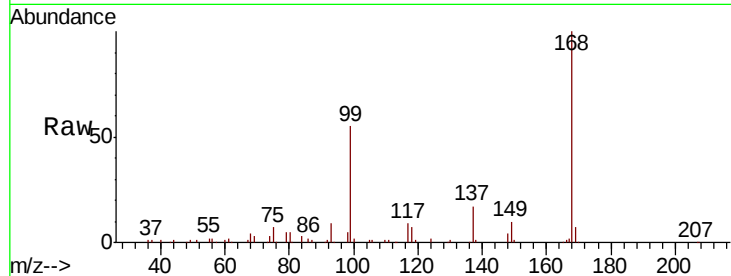
TT-025-IDWSO-20200814

Tot Ion:168 Resp: 205238

Ion Ratio Lower Upper

168 100

99 55.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

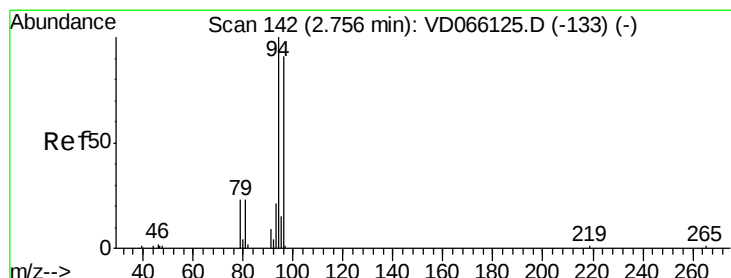
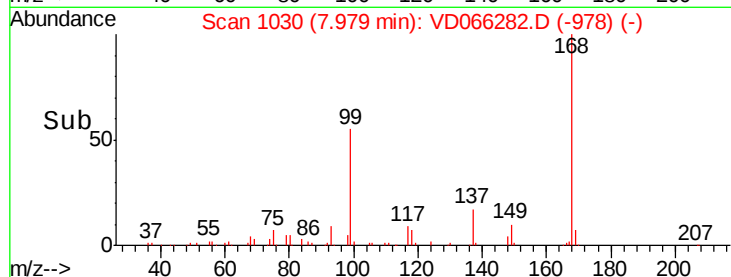
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 1.496 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.02 min

Lab File: VD066282.D

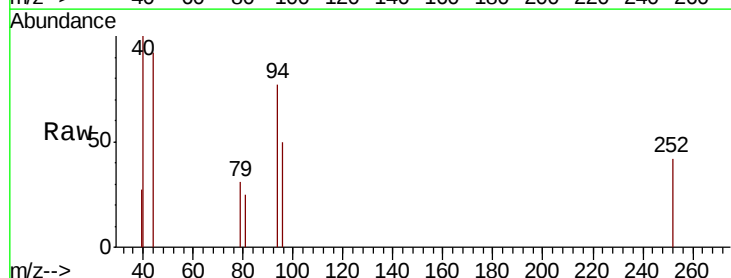
Acq: 18 Aug 2020 17:09

Tgt Ion: 94 Resp: 1236

Ion Ratio Lower Upper

94 100

96 65.1 72.6 109.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

800

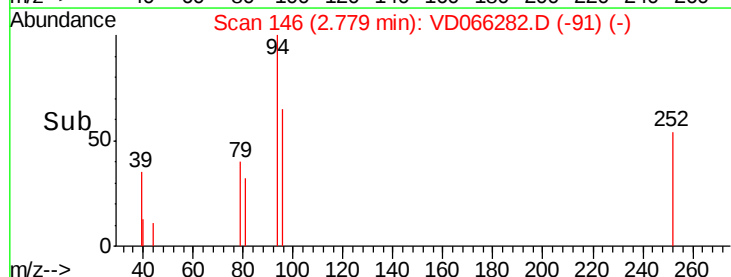
600

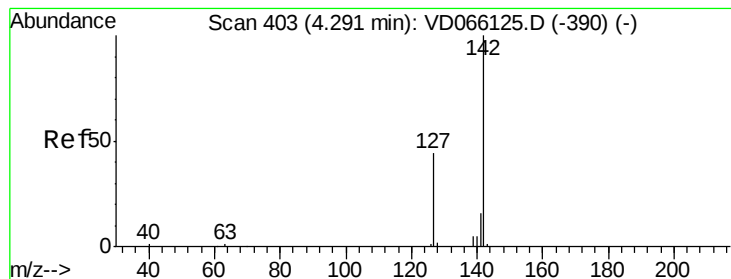
400

200

0

Time-->





#10

Methyl Iodide

Concen: 7.636 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.00 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

TT-025-IDWSO-20200814

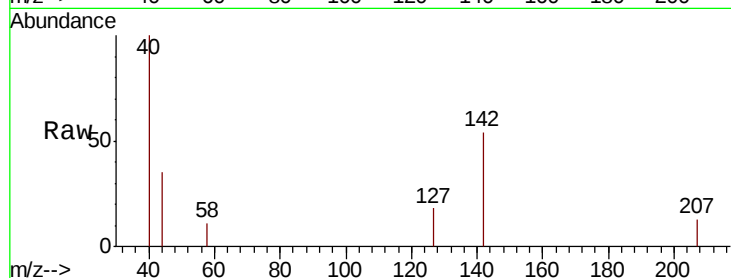
Tot Ion:142 Resp: 1873

Ion Ratio Lower Upper

142 100

127 12.2 36.2 54.4#

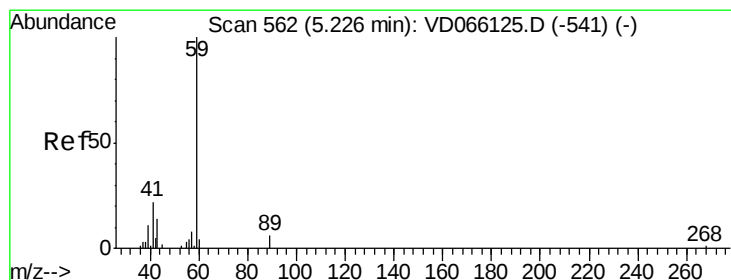
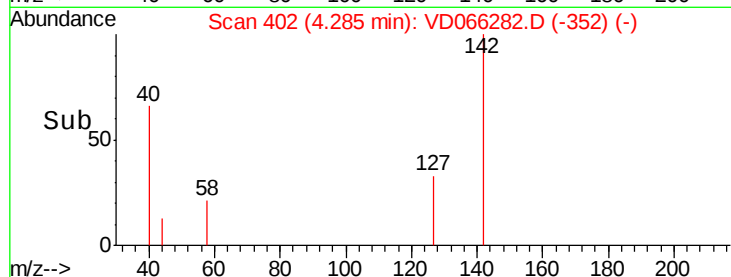
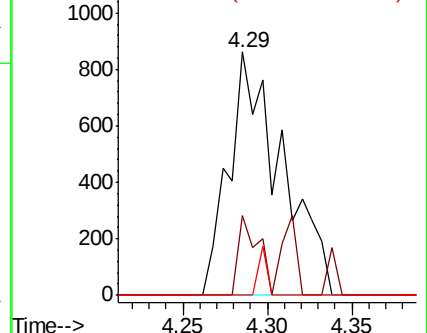
141 3.3 12.6 18.8#



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: 5.24 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD066282.D

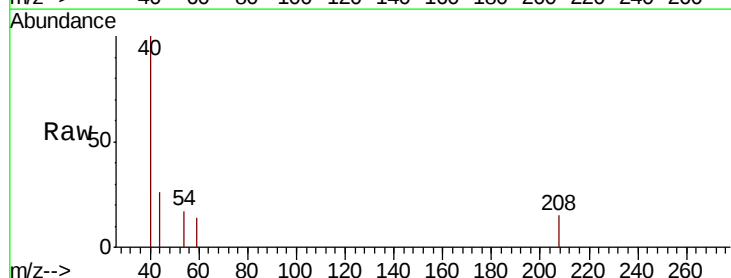
Acq: 18 Aug 2020 17:09

Tgt Ion: 59 Resp: 114

Ion Ratio Lower Upper

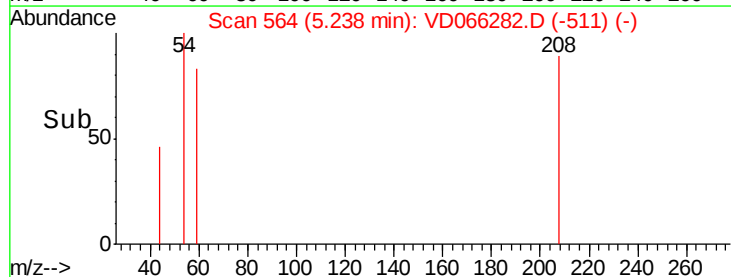
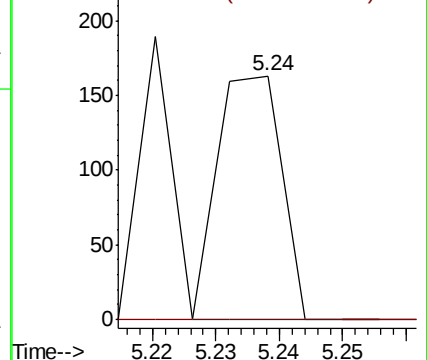
59 100

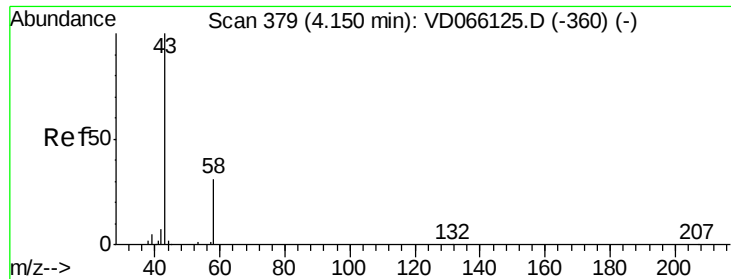
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 2.582 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

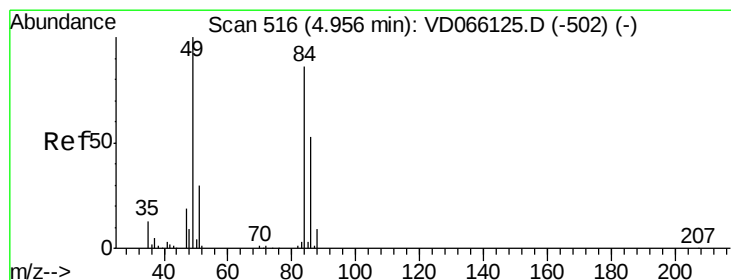
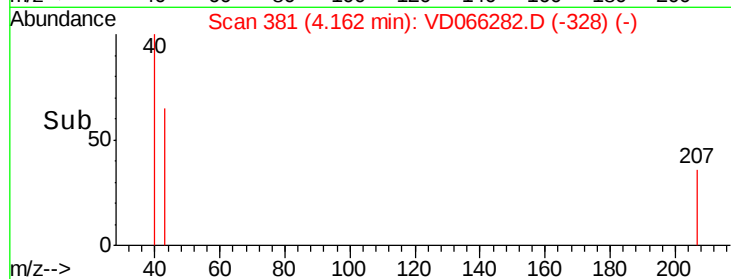
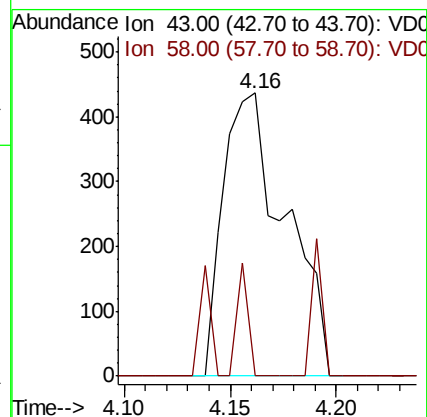
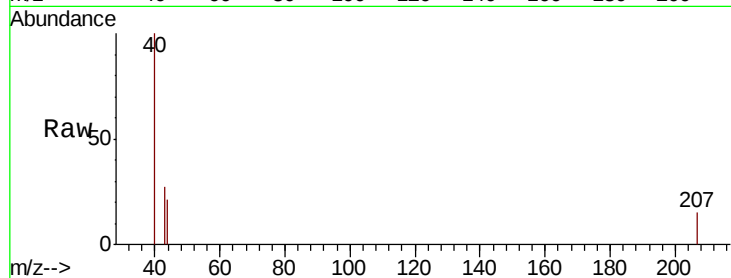
TT-025-IDWSO-20200814

Tot Ion: 43 Resp: 897

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#



#20

Methylene Chloride

Concen: 4.288 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.02 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

Tgt Ion: 84 Resp: 17064

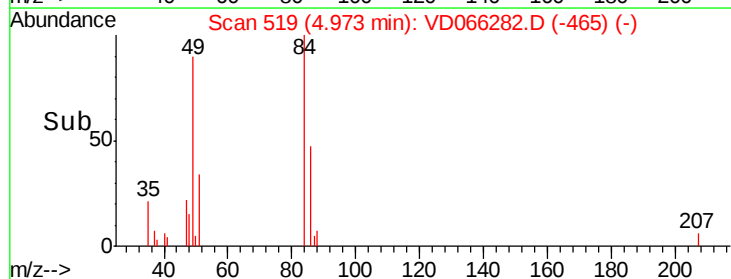
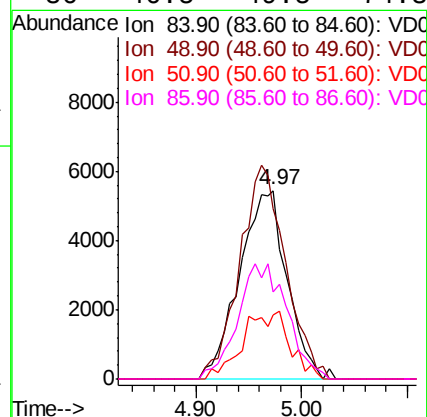
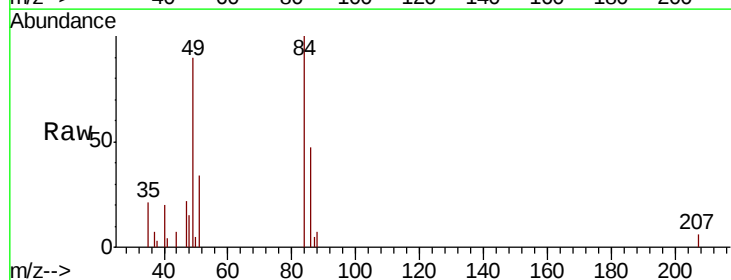
Ion Ratio Lower Upper

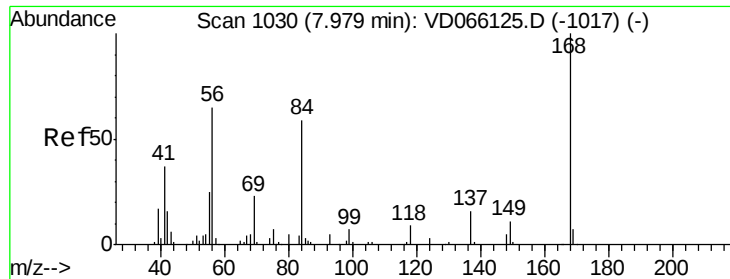
84 100

49 90.2 93.5 140.3#

51 34.2 28.2 42.4

86 46.5 49.5 74.3#

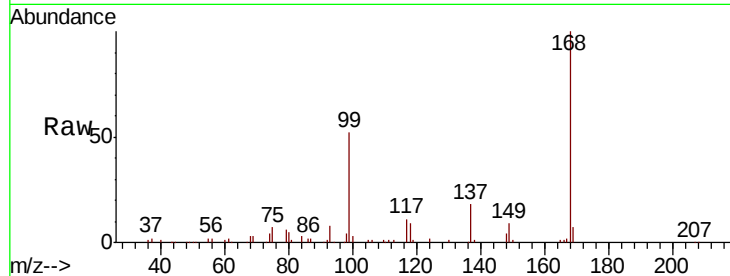




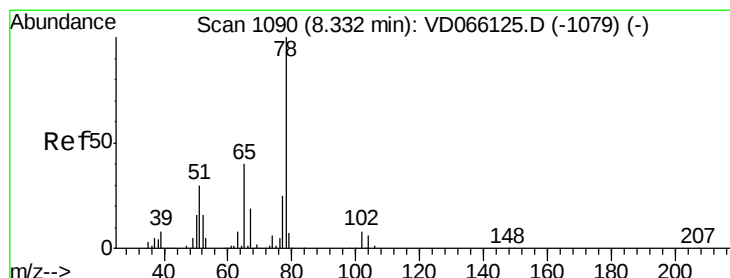
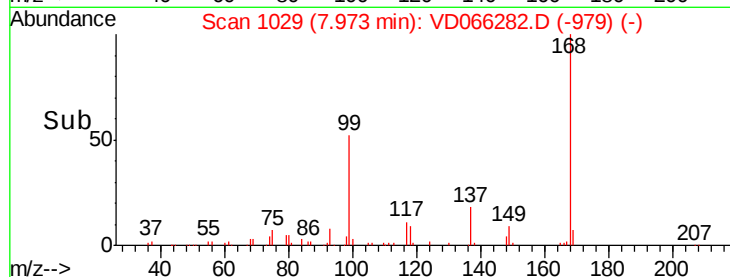
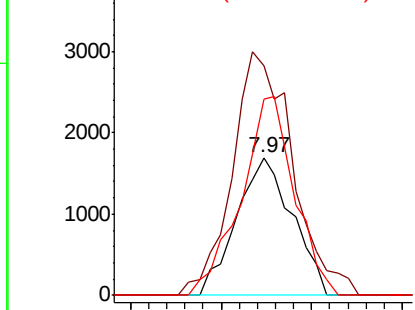
#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066282.D
Acq: 18 Aug 2020 17:09

Instrument :
MSVOA_D
ClientSampleId :
TT-025-IDWSO-20200814

Tot Ion: 56 Resp: 3636
Ion Ratio Lower Upper
56 100
69 157.3 28.8 43.2#
84 142.4 73.0 109.6#

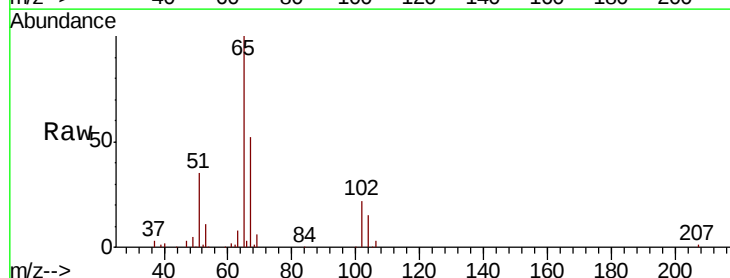


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

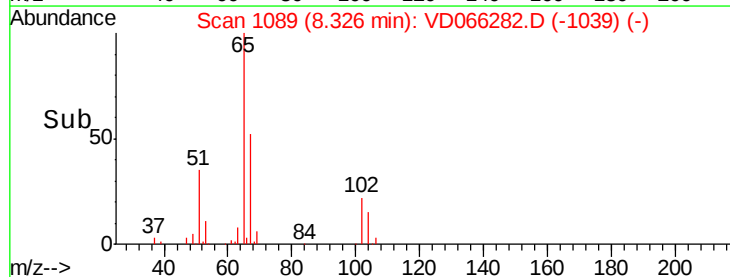
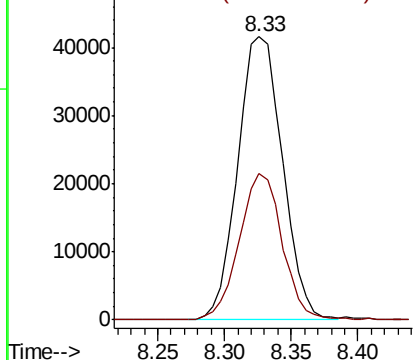


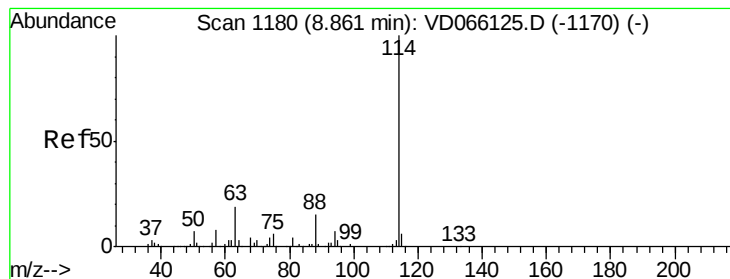
#33
1,2-Dichloroethane-d4
Concen: 52.817 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066282.D
Acq: 18 Aug 2020 17:09

Tgt Ion: 65 Resp: 96709
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.6



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: VD066282.D

Acq: 18 Aug 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

TT-025-IDWSO-20200814

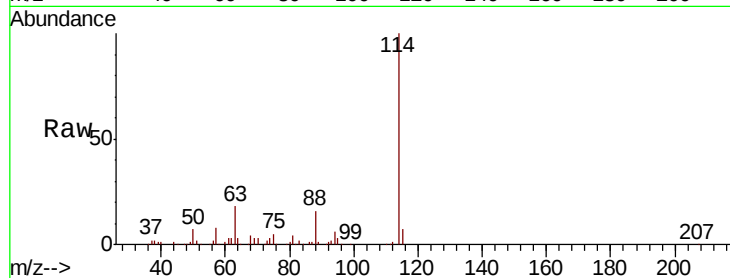
Tot Ion:114 Resp: 315031

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.6

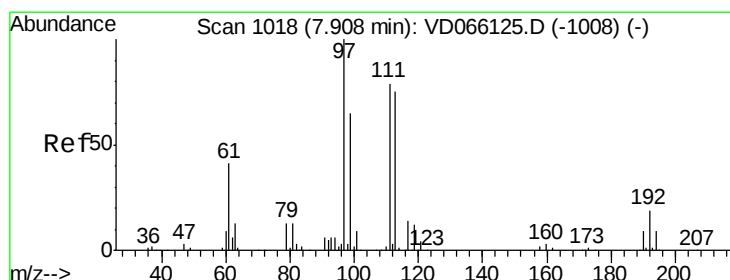
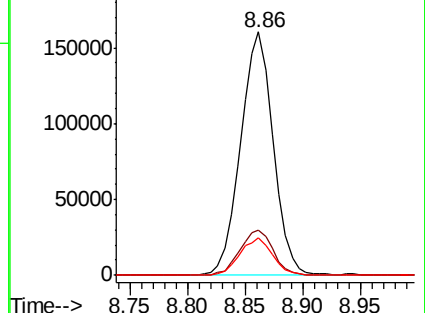
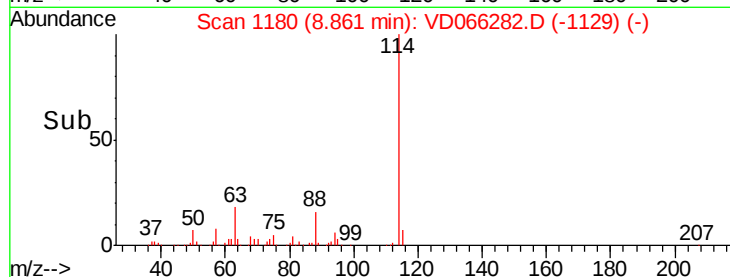
88 15.6 0.0 30.0



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: 49.750 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

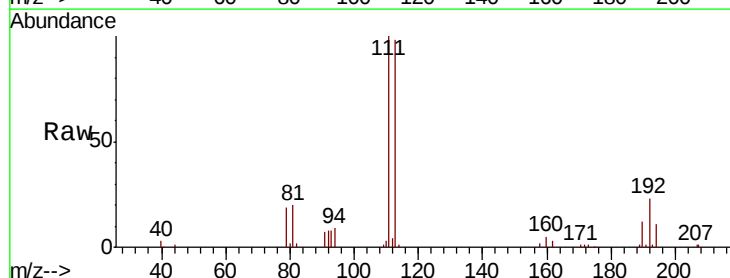
Tgt Ion:113 Resp: 99285

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

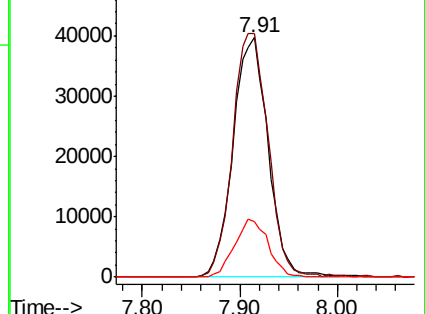
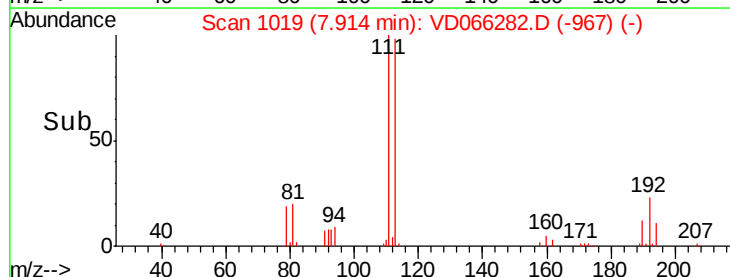
192 23.2 18.4 27.6

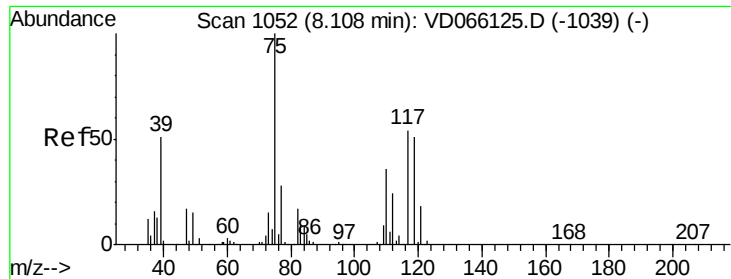


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

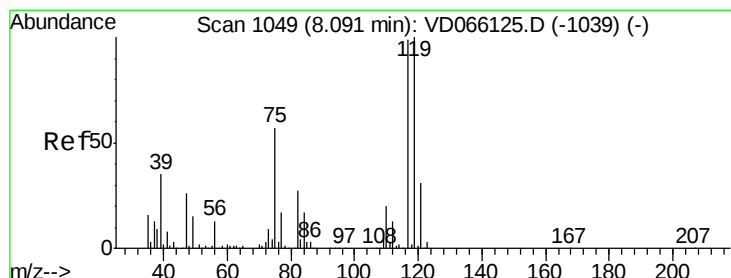
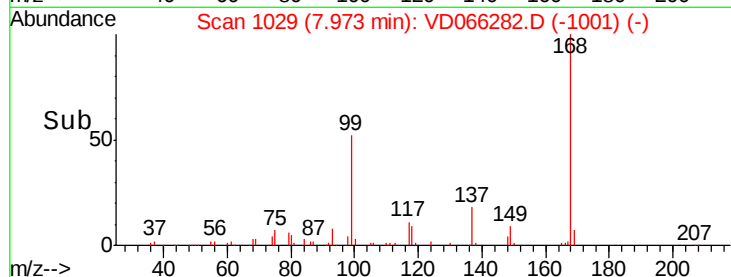
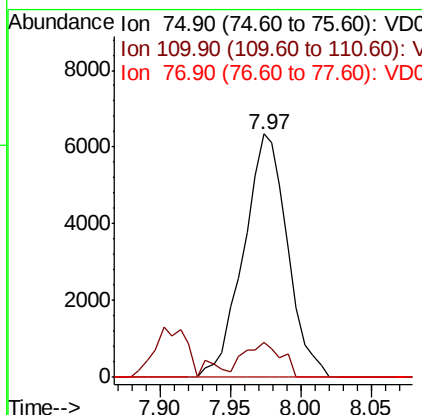
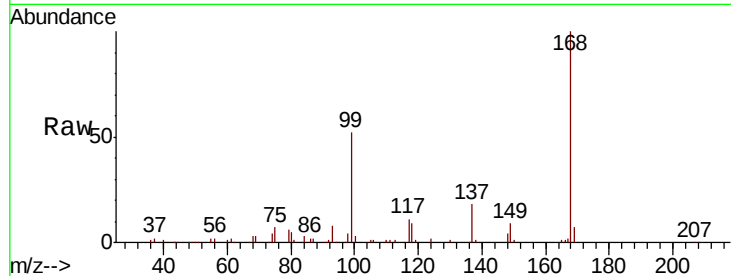




#36
 1,1-Dichloropropene
 Concen: 4.661 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066282.D
 Acq: 18 Aug 2020 17:09

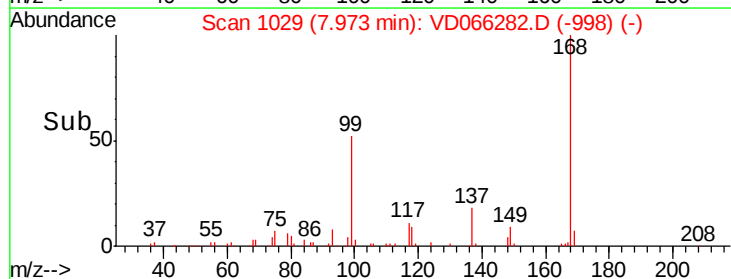
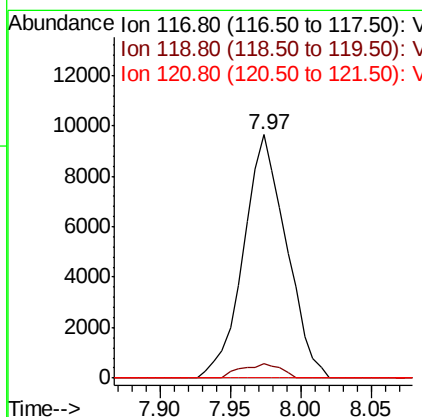
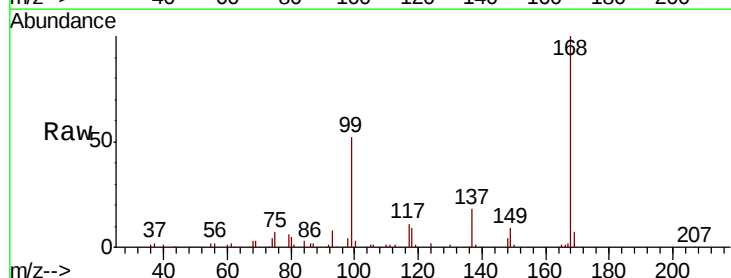
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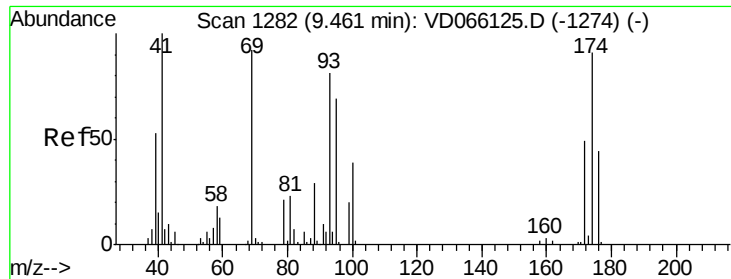
Tot Ion	75	Resp	13798
Ion Ratio	Lower	Upper	
75	100		
110	12.3	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.223 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066282.D
 Acq: 18 Aug 2020 17:09

Tgt Ion	117	Resp	20543
Ion Ratio	Lower	Upper	
117	100		
119	5.8	81.0	121.4#
121	0.0	24.8	37.2#

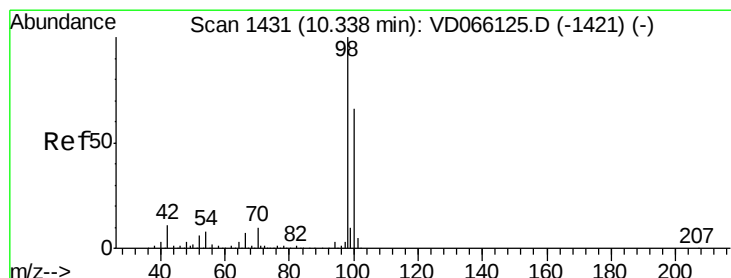
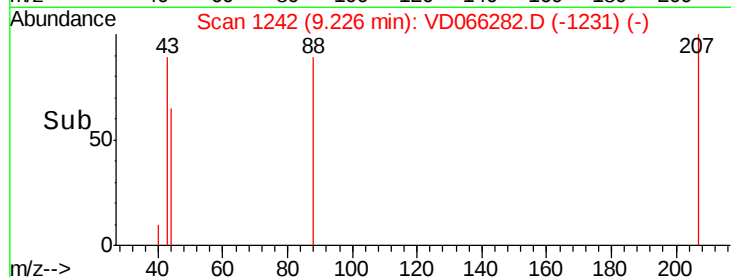
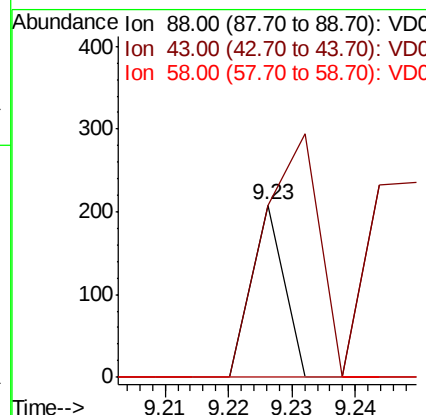
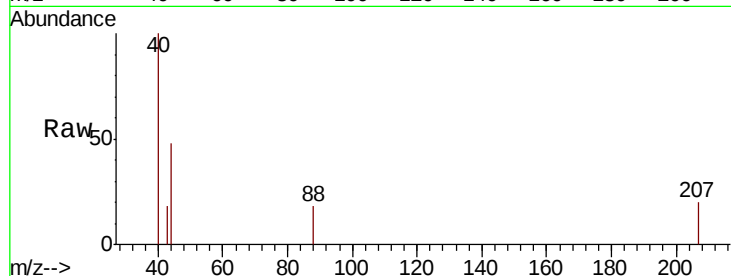




#49
 1,4-Dioxane
 Concen: 5.136 ug/l
 RT: 9.23 min Scan# 1242
 Delta R.T. -0.24 min
 Lab File: VD066282.D
 Acq: 18 Aug 2020 17:09

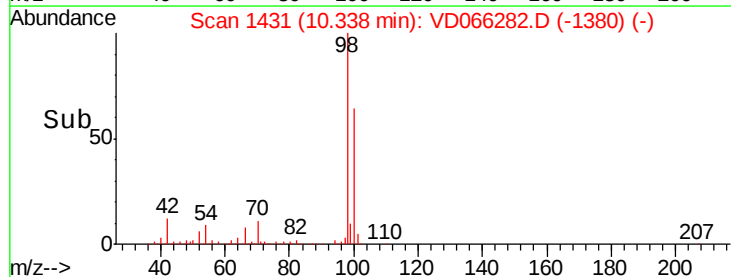
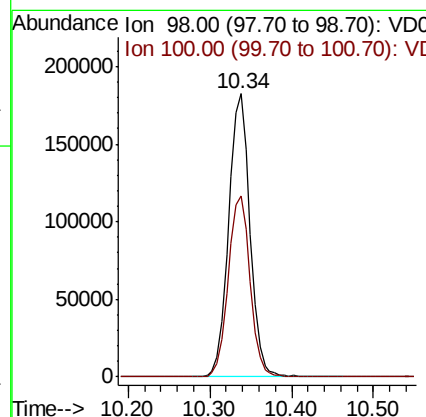
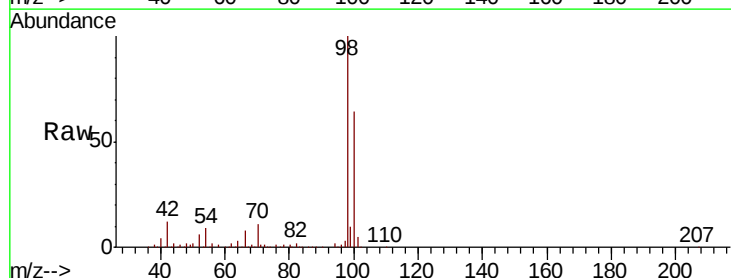
Instrument :
 MSVOA_D
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 TT-025-IDWSO-20200814

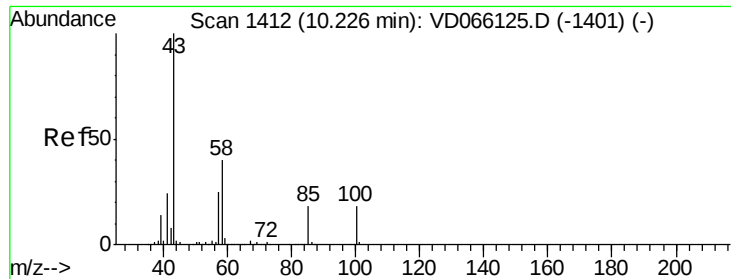
Tot Ion: 88 Resp: 73
 Ion Ratio Lower Upper
 88 100
 43 242.5 27.5 41.3#
 58 0.0 50.2 75.4#



#50
 Toluene-d8
 Concen: 44.934 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066282.D
 Acq: 18 Aug 2020 17:09

Tgt Ion: 98 Resp: 330923
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.534 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

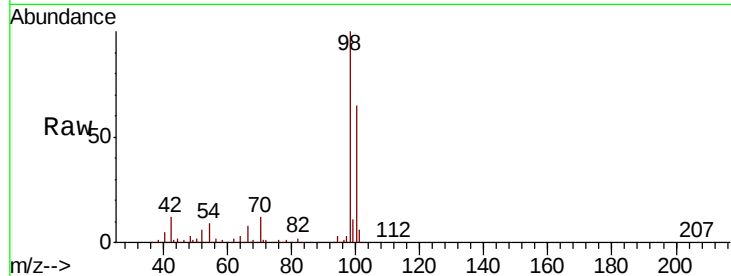
TT-025-IDWSO-20200814

Tot Ion: 43 Resp: 1821

Ion Ratio Lower Upper

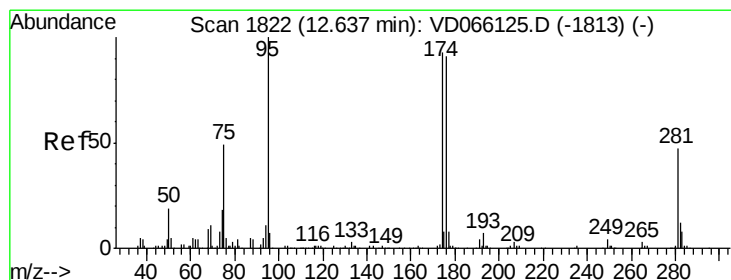
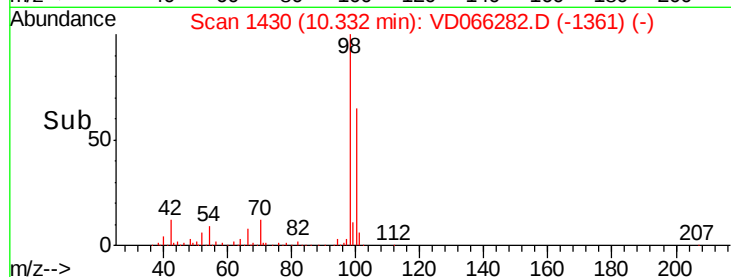
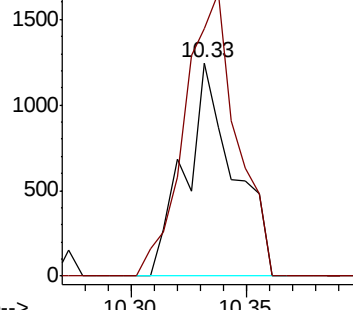
43 100

58 143.4 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 39.918 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

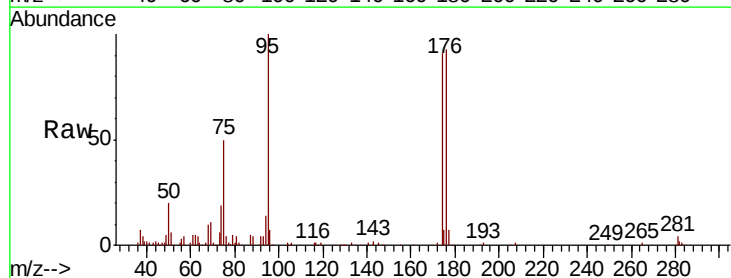
Tgt Ion: 95 Resp: 105968

Ion Ratio Lower Upper

95 100

174 91.6 0.0 180.8

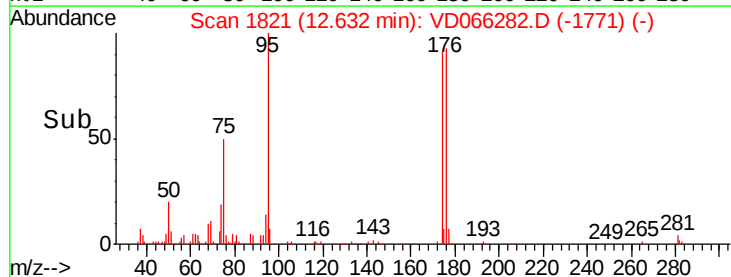
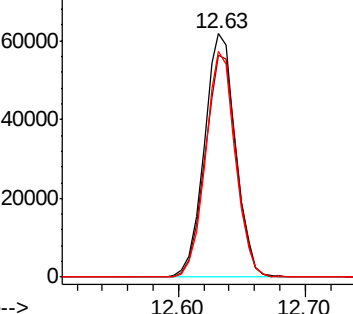
176 88.2 0.0 181.2

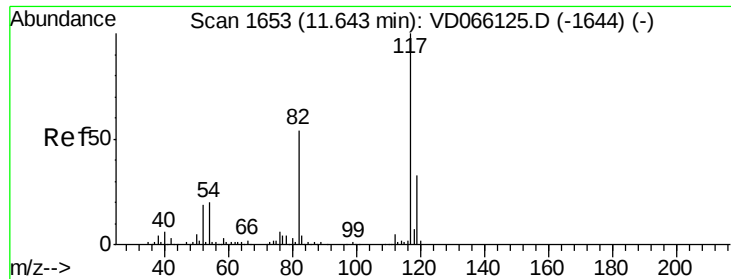


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

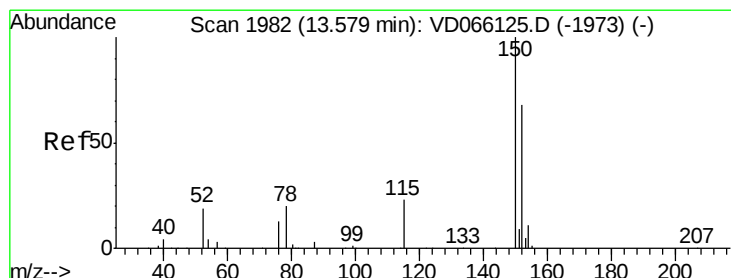
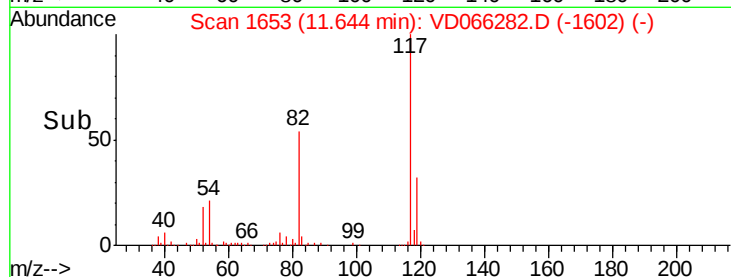
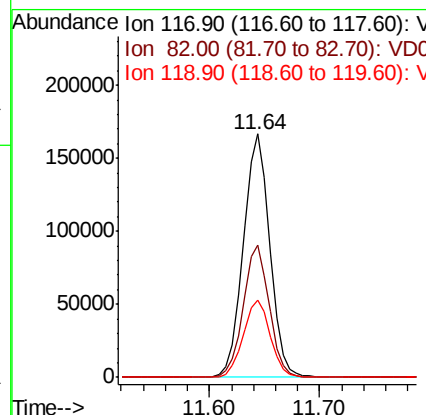
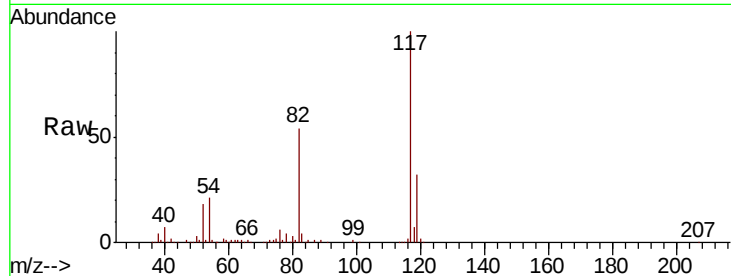




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066282.D
Acq: 18 Aug 2020 17:09

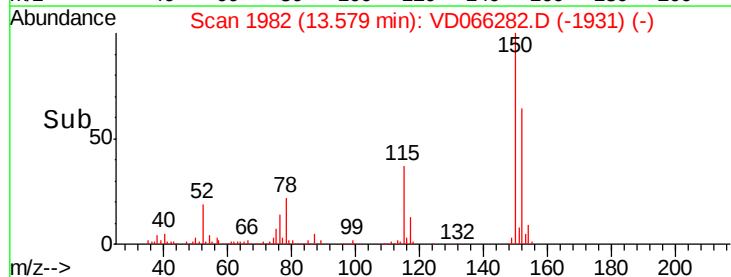
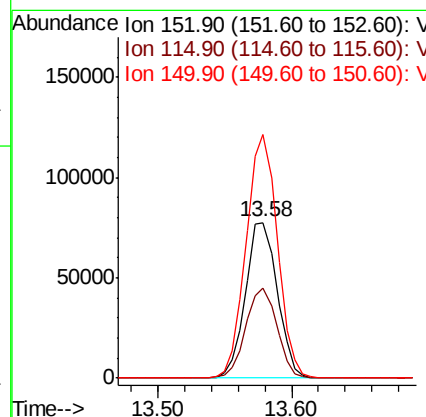
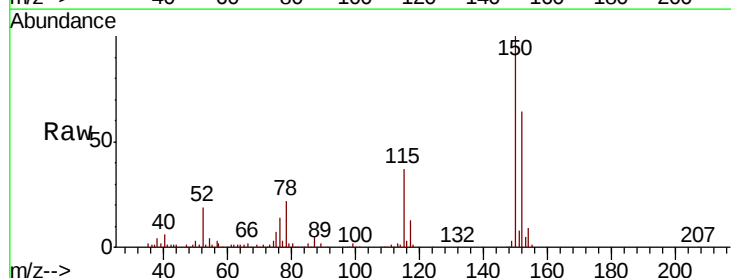
Instrument :
MSVOA_D
ClientSampleId :
TT-025-IDWSO-20200814

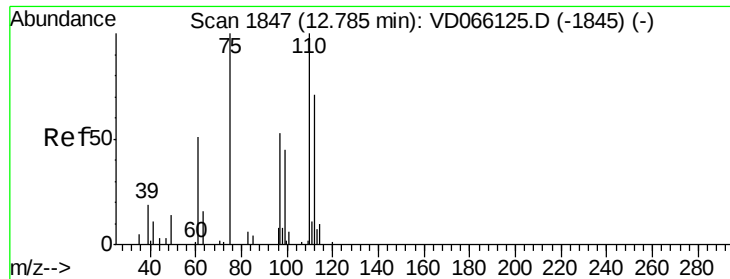
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.0	64.4
119	31.9	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066282.D
Acq: 18 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.0	83.9
150	153.4	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 50.837 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

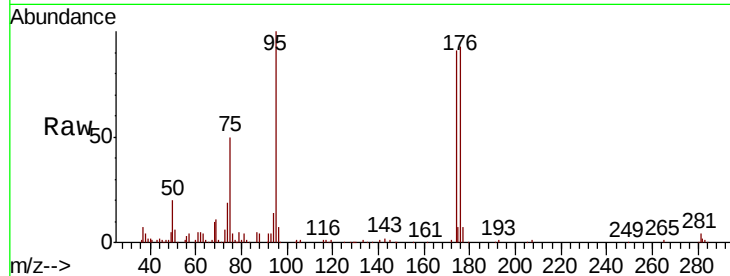
TT-025-IDWSO-20200814

Tot Ion: 75 Resp: 54278

Ion Ratio Lower Upper

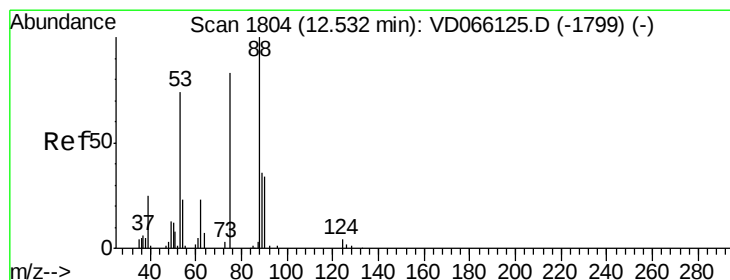
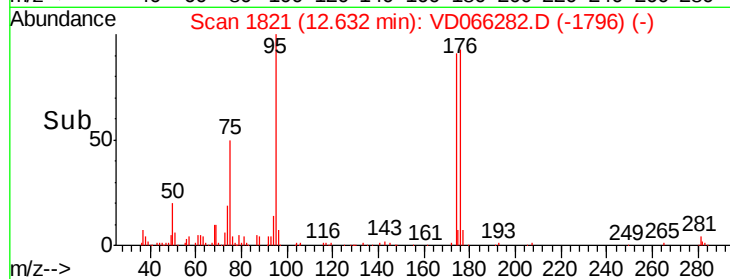
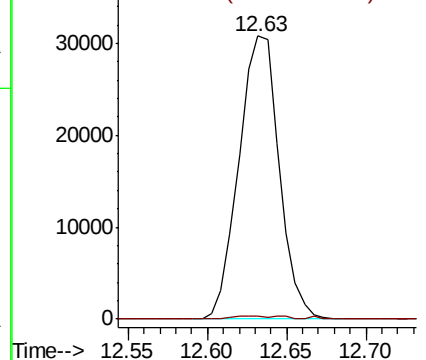
75 100

77 1.3 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: 112.377 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066282.D

Acq: 18 Aug 2020 17:09

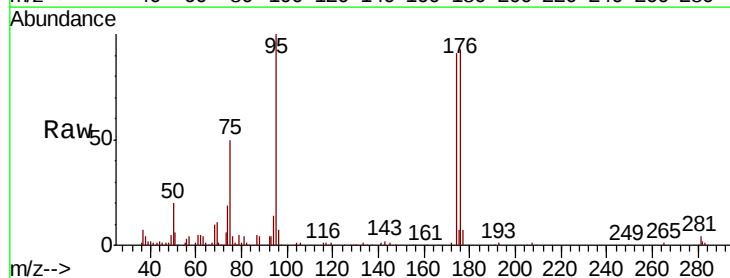
Tgt Ion: 75 Resp: 54278

Ion Ratio Lower Upper

75 100

53 0.9 73.4 110.2#

89 0.0 36.6 55.0#



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

