

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066283.D
 Acq On : 18 Aug 2020 17:36
 Operator : VA/SY
 Sample : L3711-02
 Misc : 7.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-026-IDWSO-20200814

Quant Time: Aug 19 06:42:04 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	7.97	168	203288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	317479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	289742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128284	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	98483	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
35) Dibromofluoromethane	7.91	113	96768	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	10.34	98	324986	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	
62) 4-Bromofluorobenzene	12.63	95	114171	42.68	ug/l	0.00
Spiked Amount			Recovery	=	85.36%	

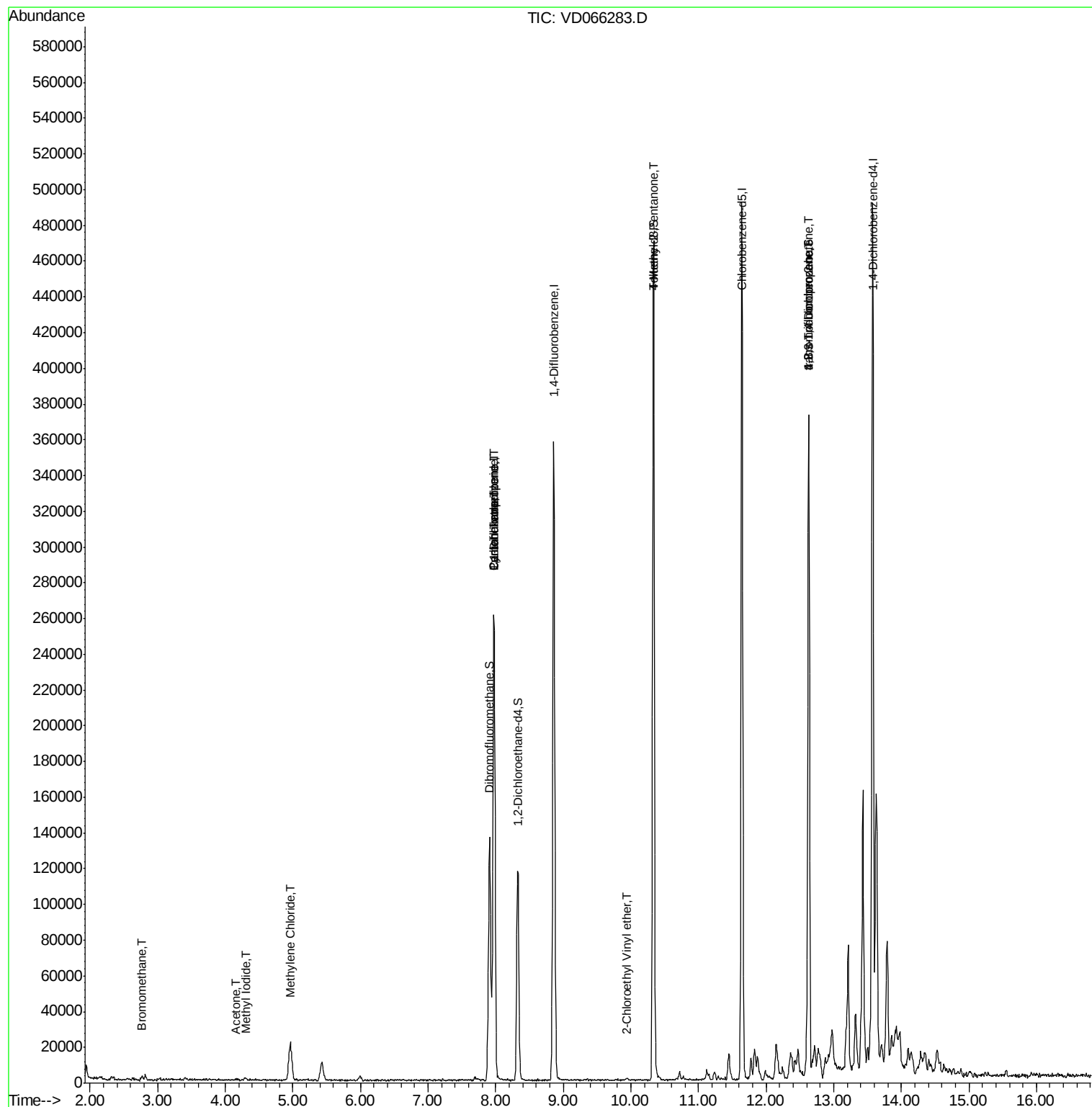
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	1081	1.321	ug/l #	79
10) Methyl Iodide	4.31	142	1273	7.346	ug/l #	39
16) Acetone	4.16	43	526	1.529	ug/l #	84
20) Methylene Chloride	4.96	84	17405	4.569	ug/l	95
31) Cyclohexane	7.97	56	3955	1.245	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	13970	4.683	ug/l #	53
38) Carbon Tetrachloride	7.98	117	20039	6.023	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	1858	1.553	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	1041	1.200	ug/l #	43
76) 1,2,3-Trichloropropane	12.63	75	54711	51.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	54711	113.051	ug/l #	14

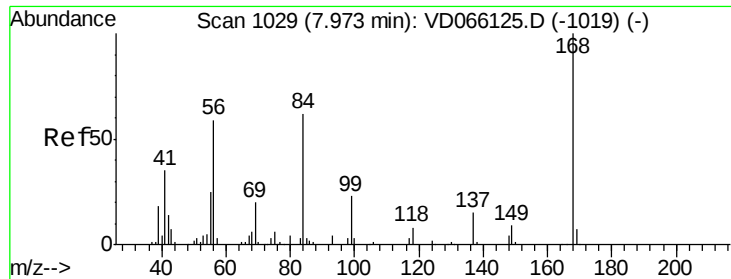
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081820\
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TT-026-IDWSO-20200814

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066283.D

Acq: 18 Aug 2020 17:36

Instrument :

MSVOA_D

ClientSampleId :

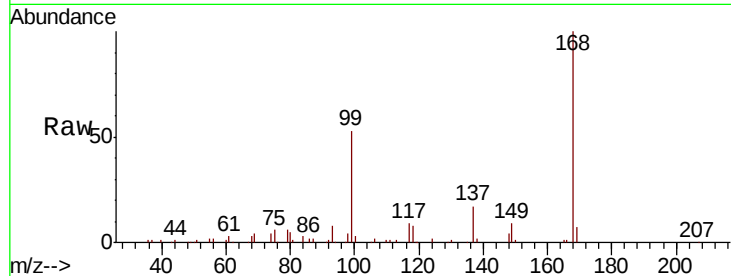
TT-026-IDWSO-20200814

Tot Ion:168 Resp: 203288

Ion Ratio Lower Upper

168 100

99 53.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

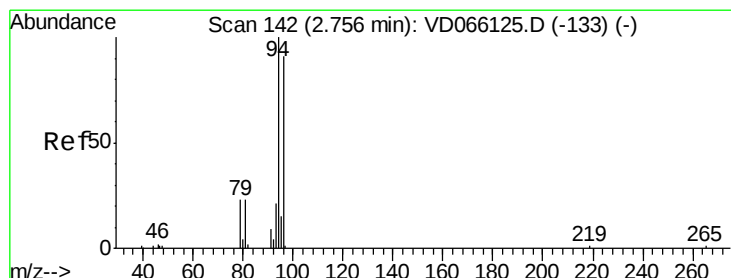
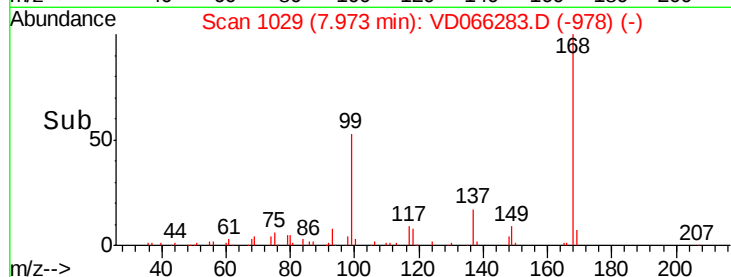
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#5

Bromomethane

Concen: 1.321 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.02 min

Lab File: VD066283.D

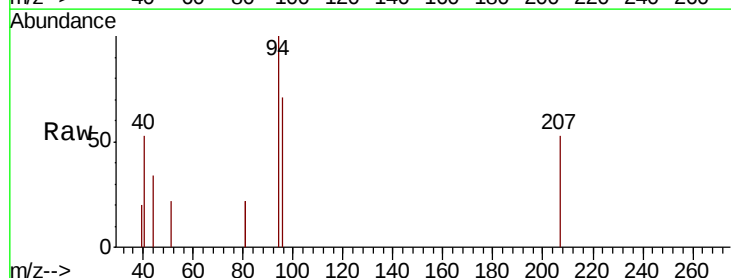
Acq: 18 Aug 2020 17:36

Tgt Ion: 94 Resp: 1081

Ion Ratio Lower Upper

94 100

96 71.3 72.6 109.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

1000

800

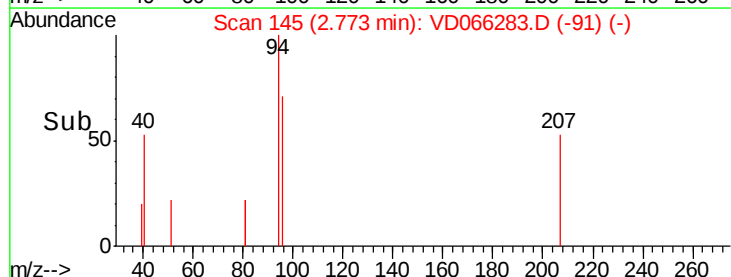
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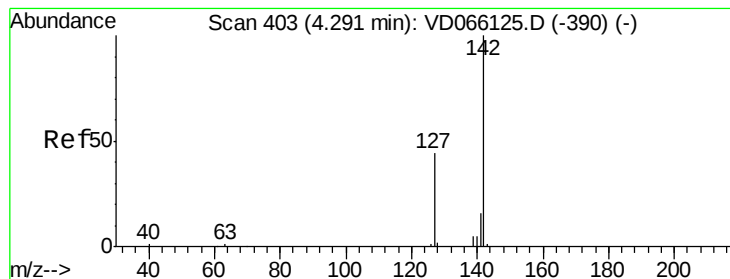
400

200

0

Time--> 2.72 2.74 2.76 2.78 2.80





#10

Methvl Iodide

Concen: 7.346 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.02 min

Lab File: VD066283.D

Acq: 18 Aug 2020 17:36

Instrument :

MSVOA_D

ClientSampleId :

TT-026-IDWSO-20200814

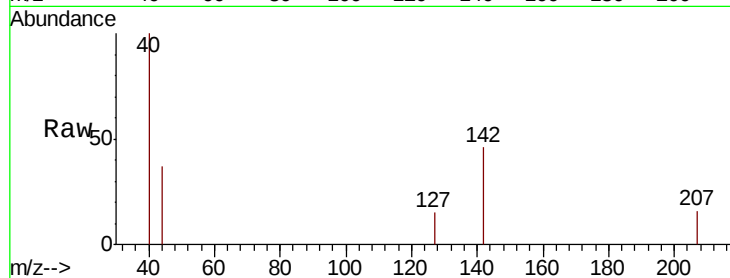
Tot Ion:142 Resp: 1273

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

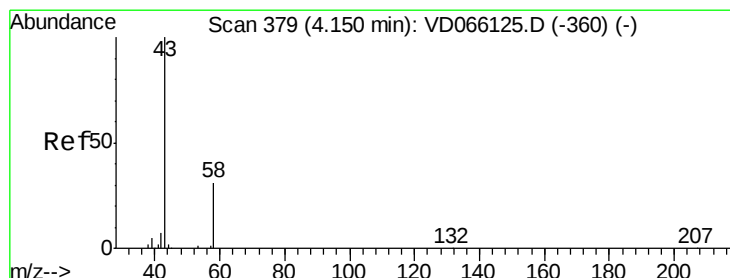
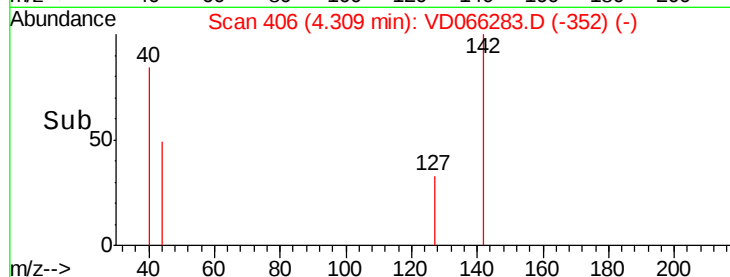
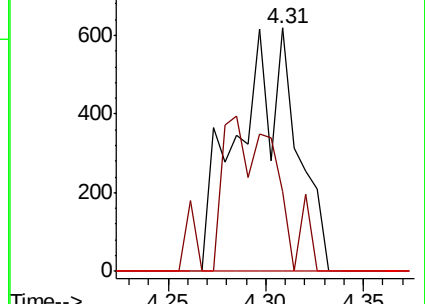
141 0.0 12.6 18.8#



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



#16

Acetone

Concen: 1.529 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066283.D

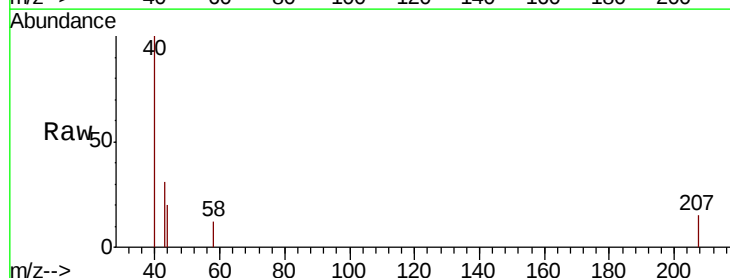
Acq: 18 Aug 2020 17:36

Tgt Ion: 43 Resp: 526

Ion Ratio Lower Upper

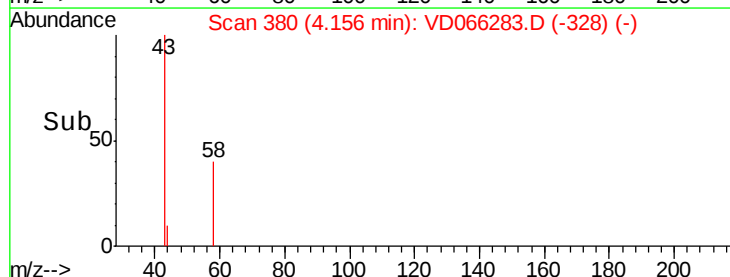
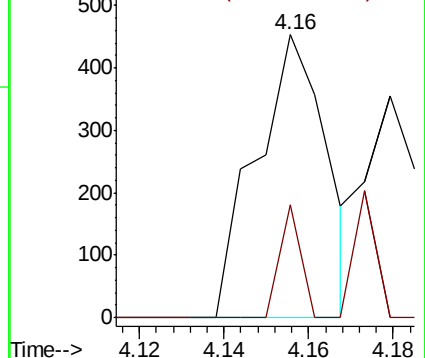
43 100

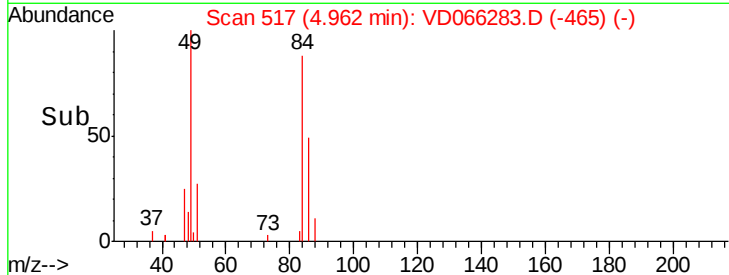
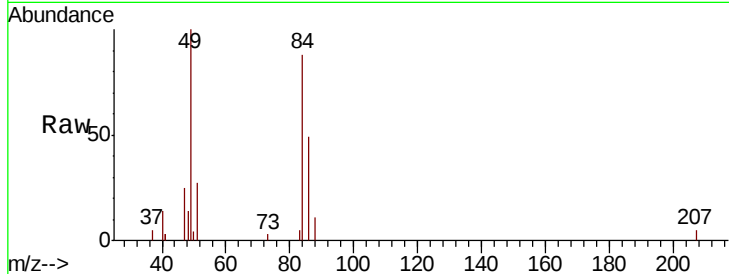
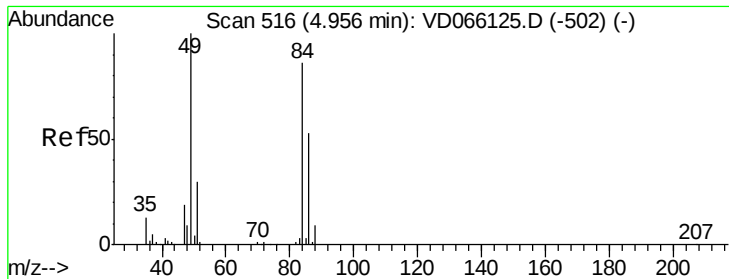
58 39.7 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

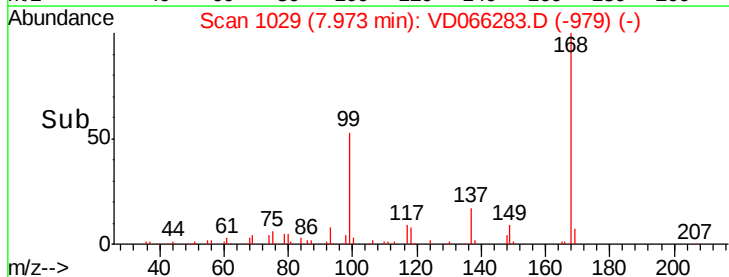
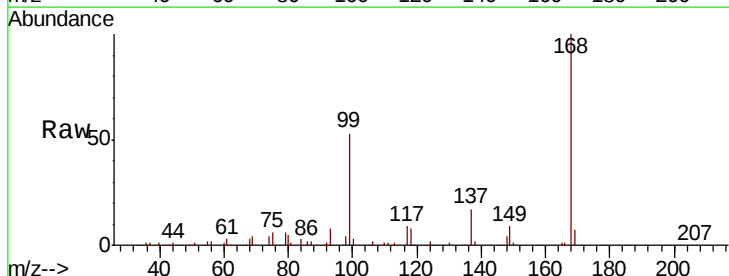
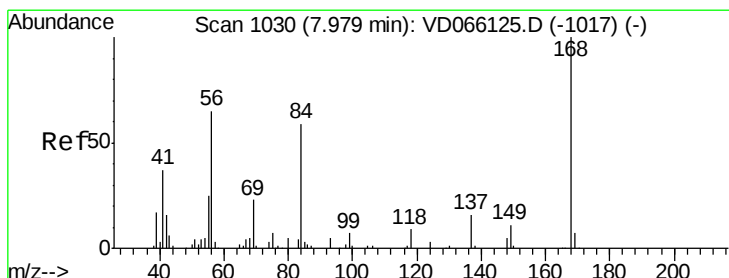
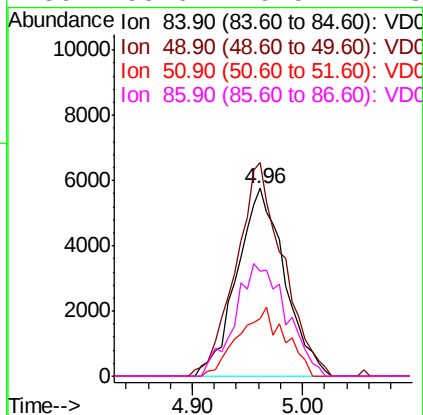




#20
Methvlene Chloride
Concen: 4.569 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066283.D
Acq: 18 Aug 2020 17:36

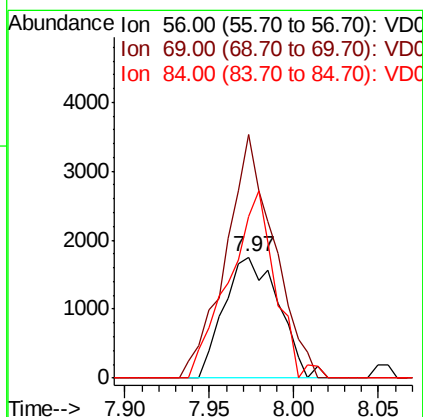
Instrument :
MSVOA_D
ClientSampleId :
TT-026-IDWSO-20200814

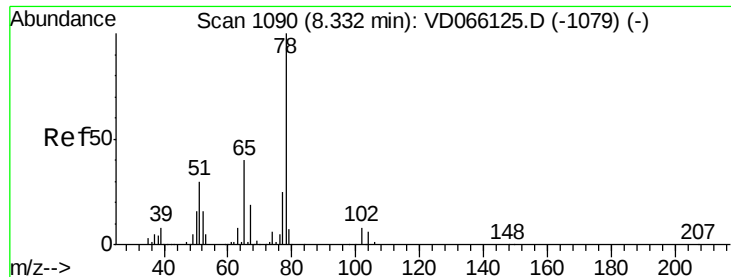
Tot Ion:	84	Resp:	17405
Ion	Ratio	Lower	Upper
84	100		
49	113.7	93.5	140.3
51	30.8	28.2	42.4
86	55.6	49.5	74.3



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066283.D
Acq: 18 Aug 2020 17:36

Tgt Ion:	56	Resp:	3955
Ion	Ratio	Lower	Upper
56	100		
69	201.1	28.8	43.2#
84	133.8	73.0	109.6#

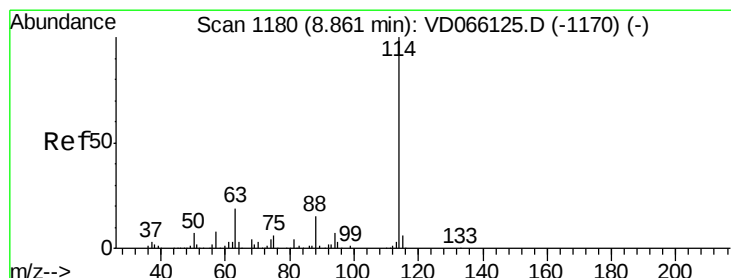
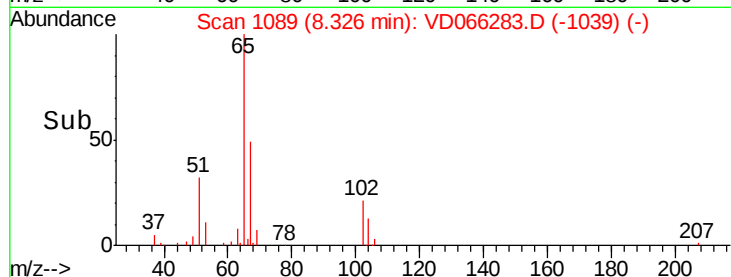
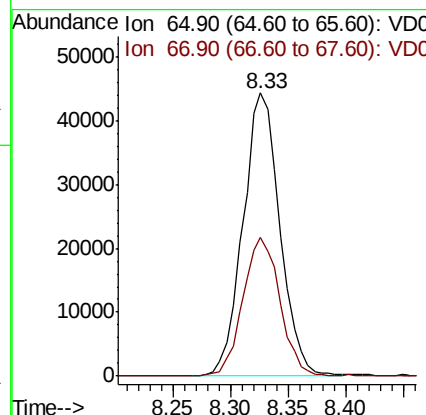
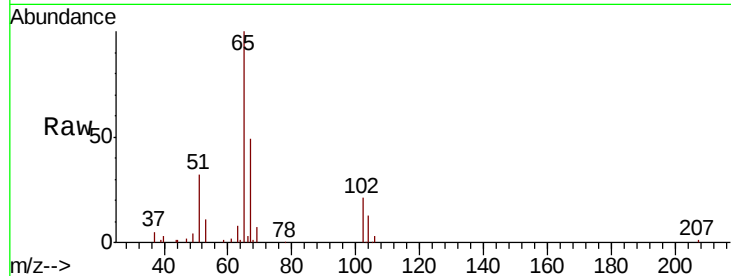




#33
 1,2-Dichloroethane-d4
 Concen: 54.301 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066283.D
 Acq: 18 Aug 2020 17:36

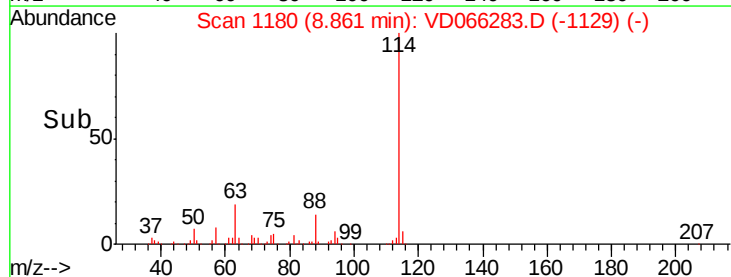
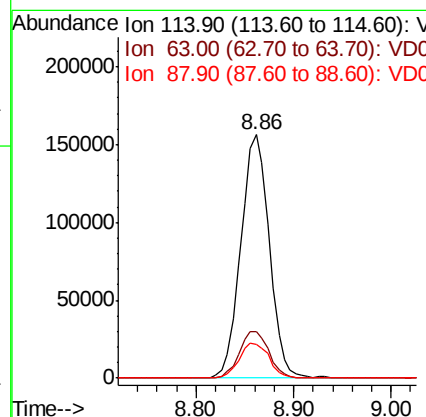
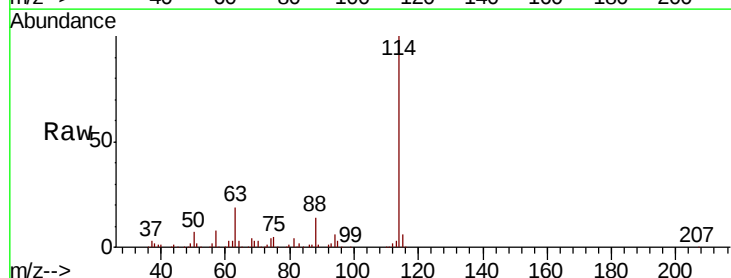
Instrument :
 MSVOA_D
 ClientSampleId :
 TT-026-IDWSO-20200814

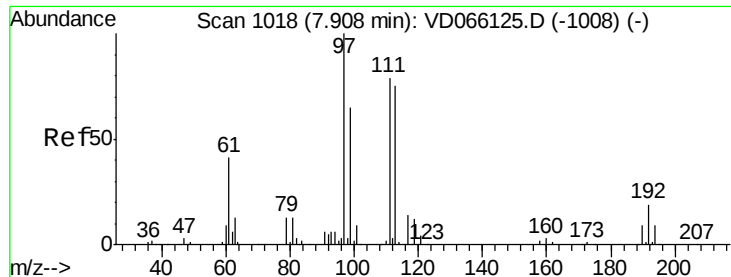
Tot Ion: 65 Resp: 98483
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066283.D
 Acq: 18 Aug 2020 17:36

Tgt Ion: 114 Resp: 317479
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 13.8 0.0 30.0

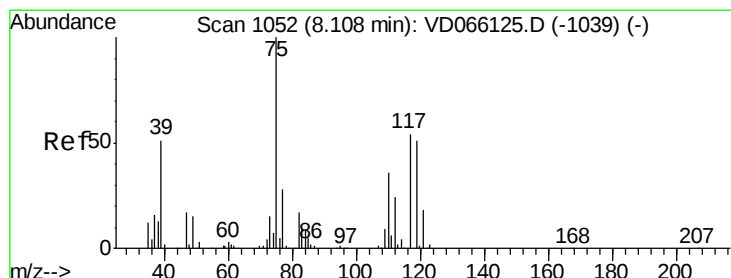
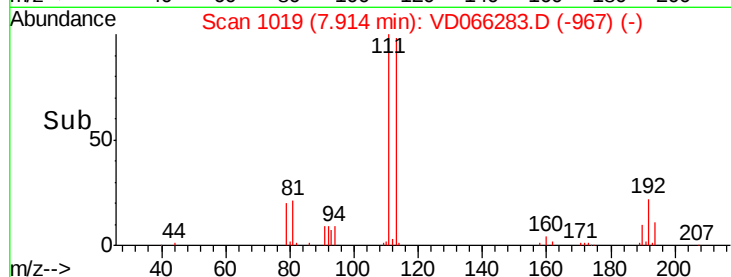
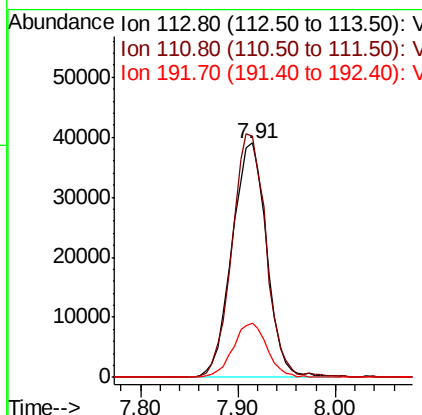
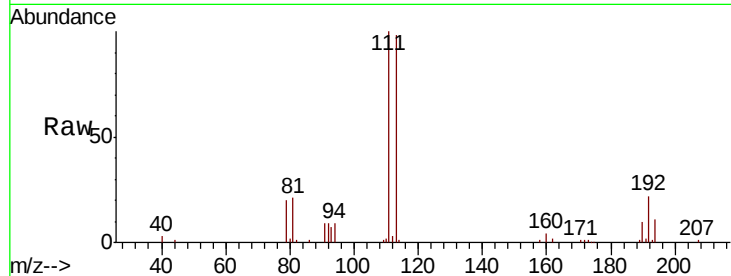




#35
 Dibromofluoromethane
 Concen: 48.115 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066283.D
 Acq: 18 Aug 2020 17:36

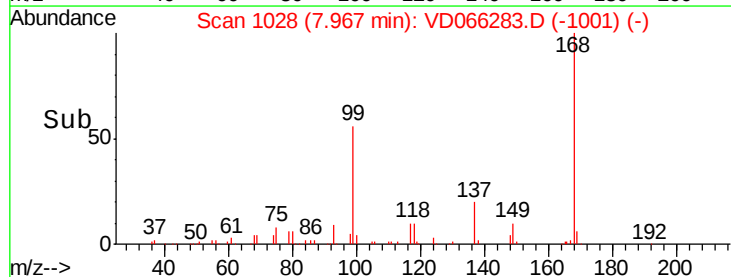
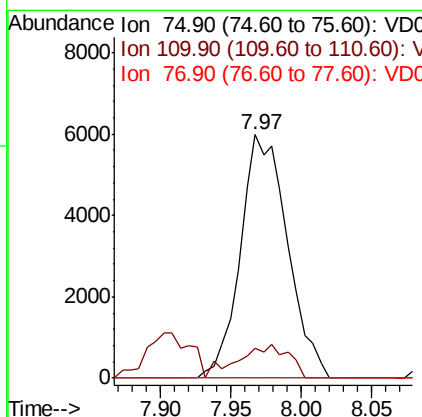
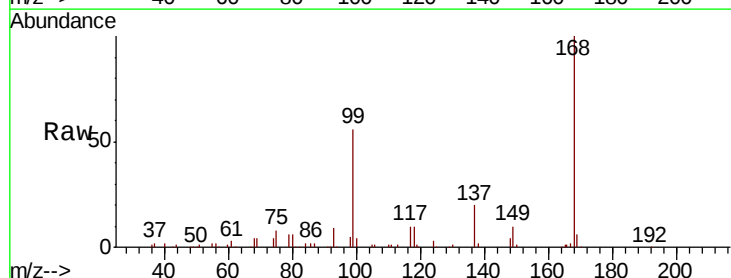
Instrument :
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 ClientSampleId :
 TT-026-IDWSO-20200814

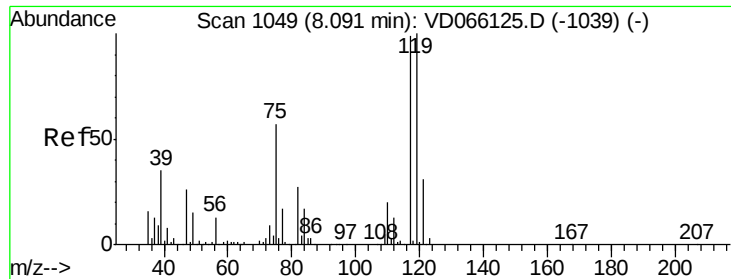
Tot Ion:113 Resp: 96768
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.7 121.1
 192 22.7 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066283.D
 Acq: 18 Aug 2020 17:36

Tgt Ion: 75 Resp: 13970
 Ion Ratio Lower Upper
 75 100
 110 13.0 18.8 56.3#
 77 0.0 24.2 36.2#

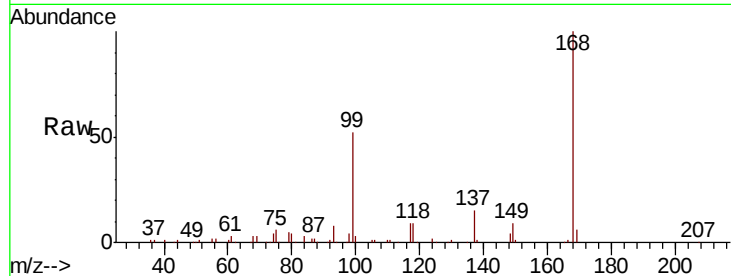




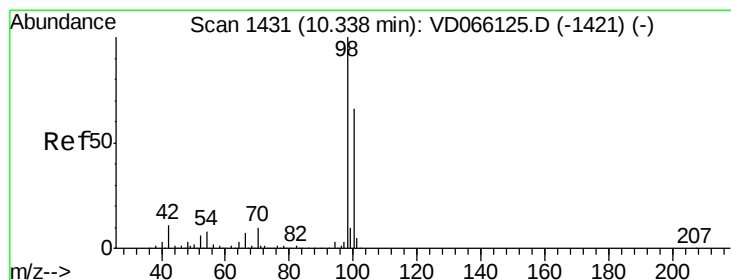
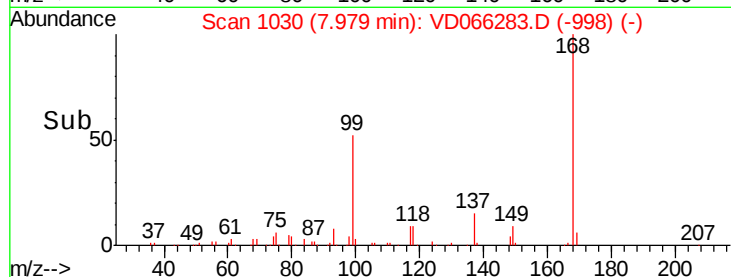
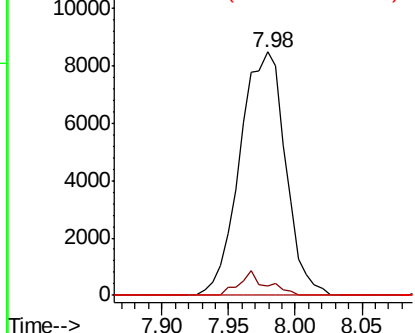
#38
Carbon Tetrachloride
Concen: 6.023 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066283.D
Acq: 18 Aug 2020 17:36

Instrument :
MSVOA_D
ClientSampleId :
TT-026-IDWSO-20200814

Tot Ion:117 Resp: 20039
Ion Ratio Lower Upper
117 100
119 4.0 81.0 121.4#
121 0.0 24.8 37.2#

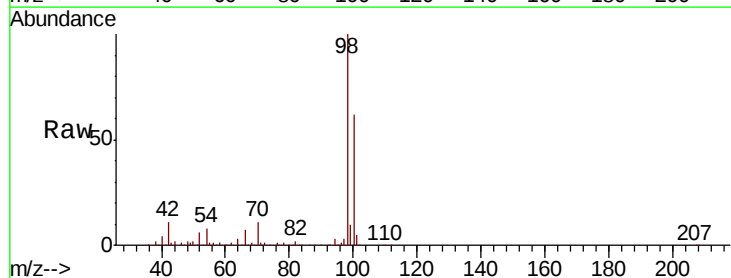


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

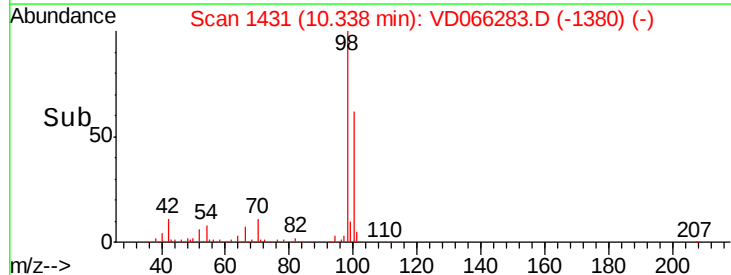
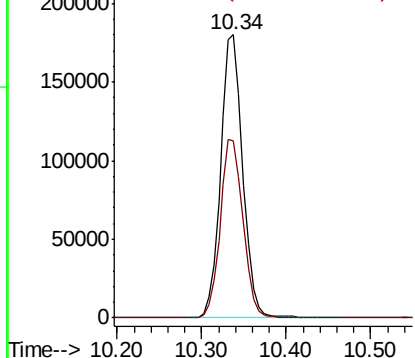


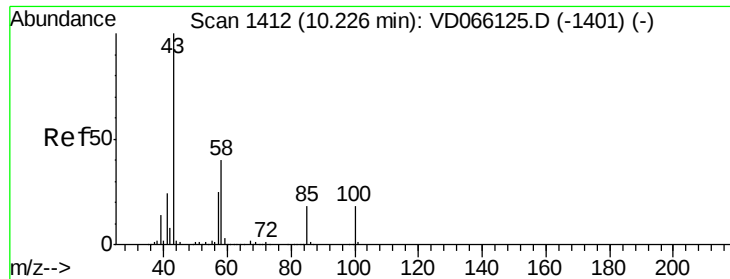
#50
Toluene-d8
Concen: 43.788 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066283.D
Acq: 18 Aug 2020 17:36

Tgt Ion: 98 Resp: 324986
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.553 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066283.D

Acq: 18 Aug 2020 17:36

Instrument :

MSVOA_D

ClientSampleId :

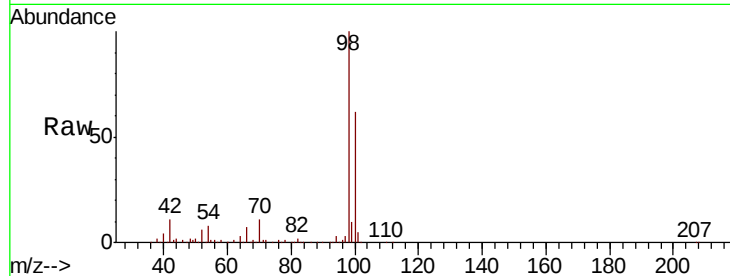
TT-026-IDWSO-20200814

Tot Ion: 43 Resp: 1858

Ion Ratio Lower Upper

43 100

58 119.4 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

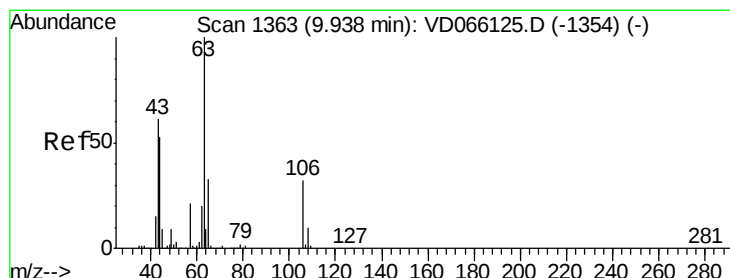
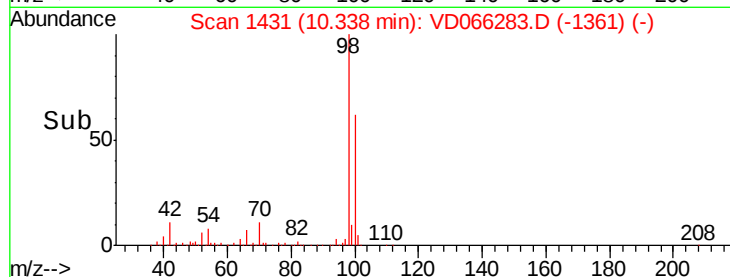
10.34

1000

500

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.200 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066283.D

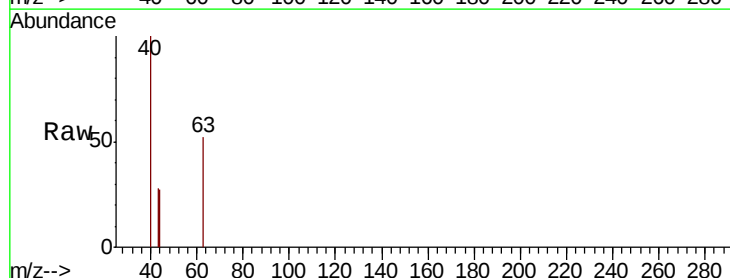
Acq: 18 Aug 2020 17:36

Tgt Ion: 63 Resp: 1041

Ion Ratio Lower Upper

63 100

106 0.0 25.3 37.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

800

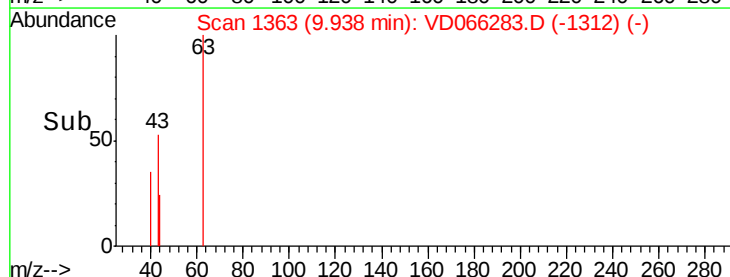
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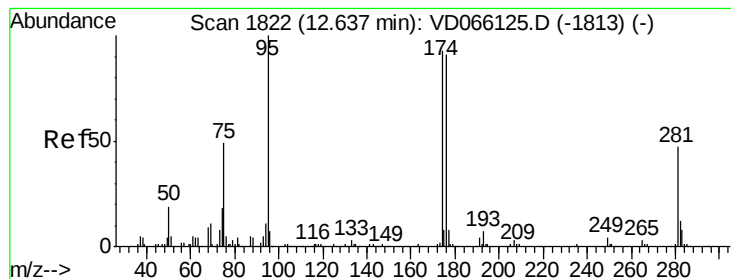
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 42.676 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066283.D

Acq: 18 Aug 2020 17:36

Instrument :

MSVOA_D

ClientSampleId :

TT-026-IDWSO-20200814

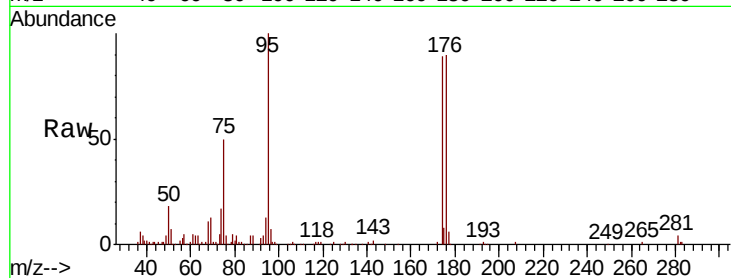
Tot Ion: 95 Resp: 114171

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.8

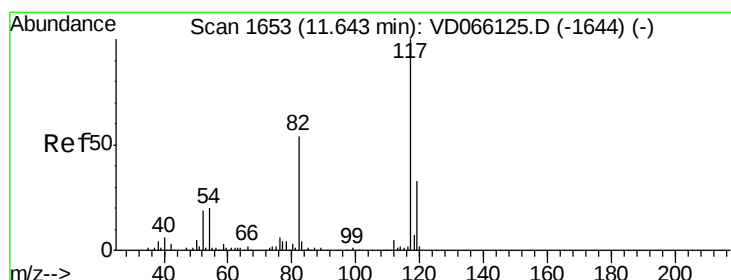
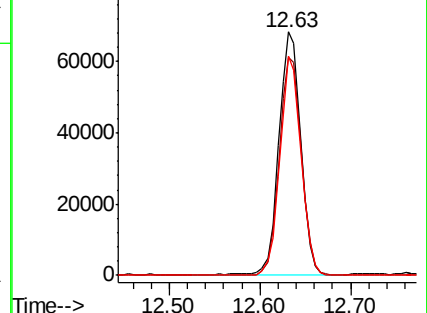
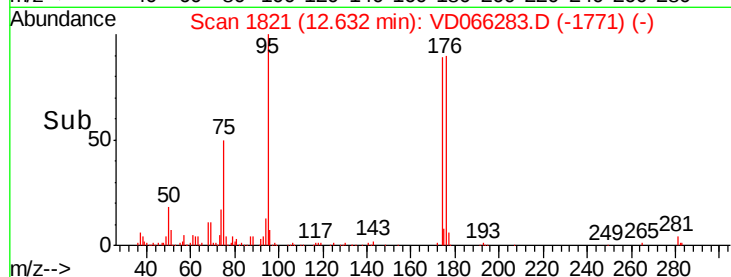
176 86.2 0.0 181.2



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: VD066283.D

Acq: 18 Aug 2020 17:36

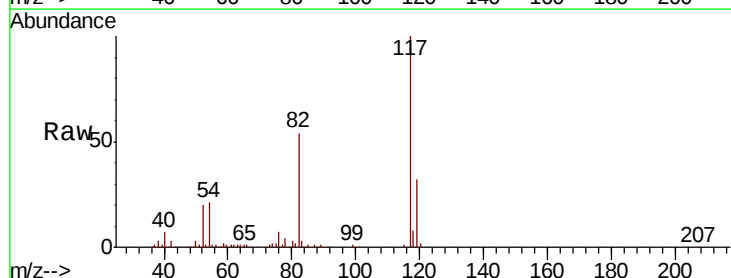
Tgt Ion: 117 Resp: 289742

Ion Ratio Lower Upper

117 100

82 53.6 43.0 64.4

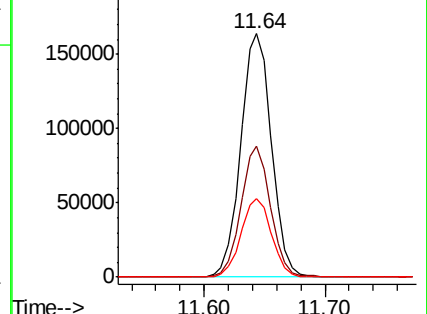
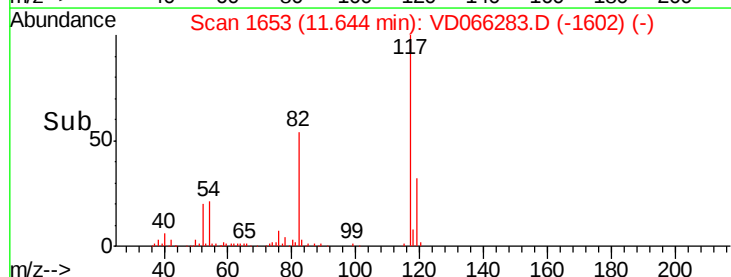
119 32.4 26.1 39.1

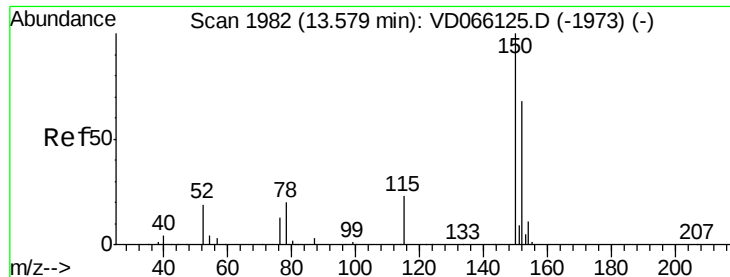


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066283.D

Acq: 18 Aug 2020 17:36

Instrument :

MSVOA_D

ClientSampleId :

TT-026-IDWSO-20200814

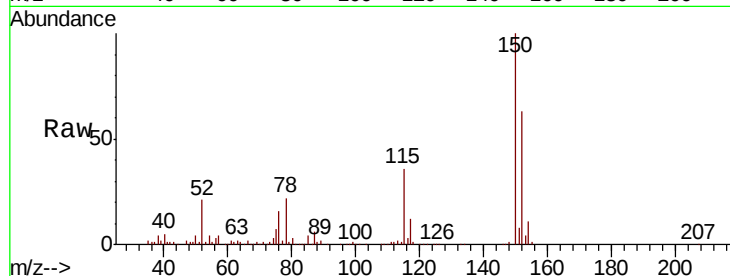
Tot Ion:152 Resp: 128284

Ion Ratio Lower Upper

152 100

115 56.6 28.0 83.9

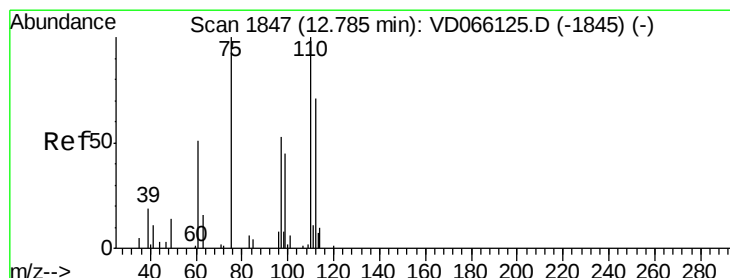
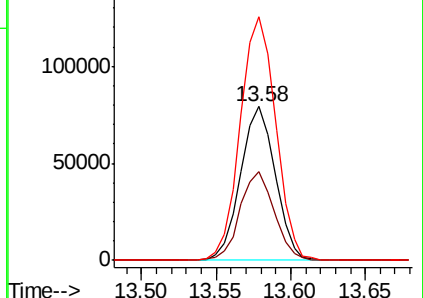
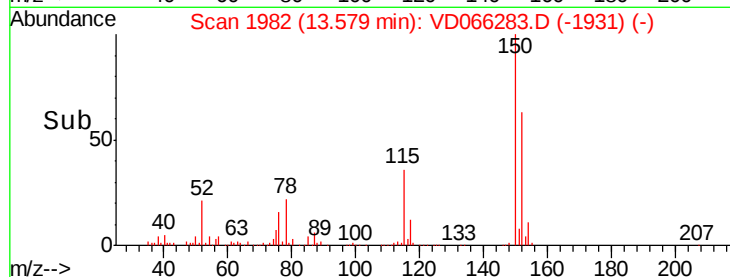
150 161.3 0.0 346.4



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: 51.141 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066283.D

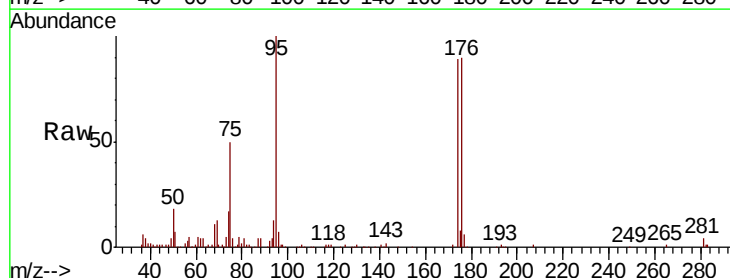
Acq: 18 Aug 2020 17:36

Tgt Ion: 75 Resp: 54711

Ion Ratio Lower Upper

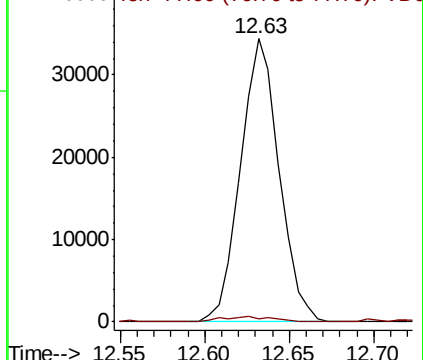
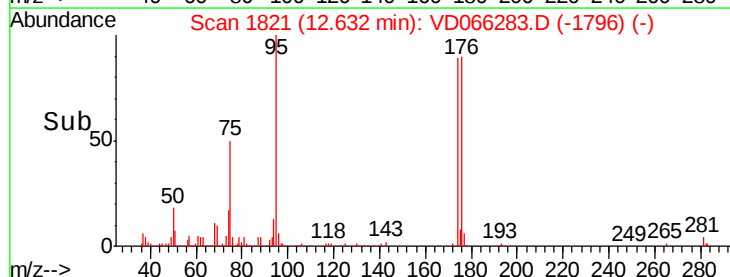
75 100

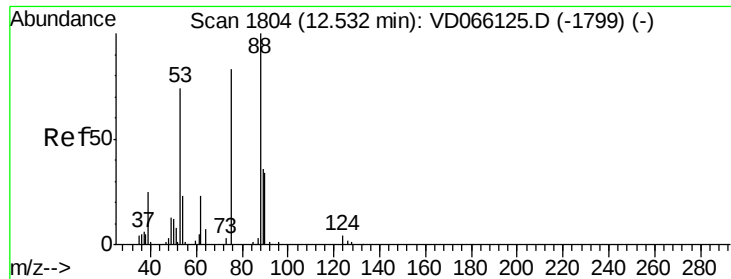
77 2.5 0.0 0.0#



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: 113.051 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066283.D

Acq: 18 Aug 2020 17:36

Instrument :

MSVOA_D

ClientSampleId :

TT-026-IDWSO-20200814

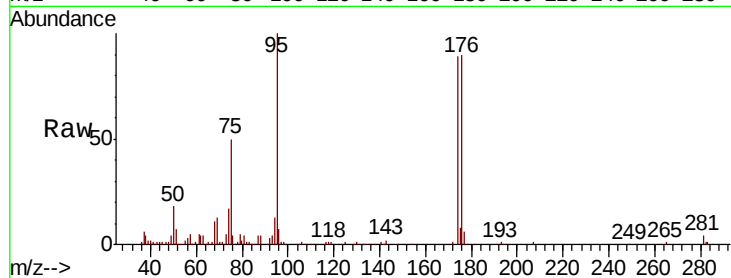
Tot Ion: 75 Resp: 54711

Ion Ratio Lower Upper

75 100

53 2.3 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

