

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009576.D
 Acq On : 29 Mar 2019 17:20
 Operator : SY/VA
 Sample : K2102-02
 Misc : 5.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TT-002-IDWSO-20190325

Quant Time: Mar 30 04:27:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147728	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	165127	62.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.10%	
35) Dibromofluoromethane	7.88	113	140683	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	
50) Toluene-d8	10.32	98	490681	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.62	95	150567	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	

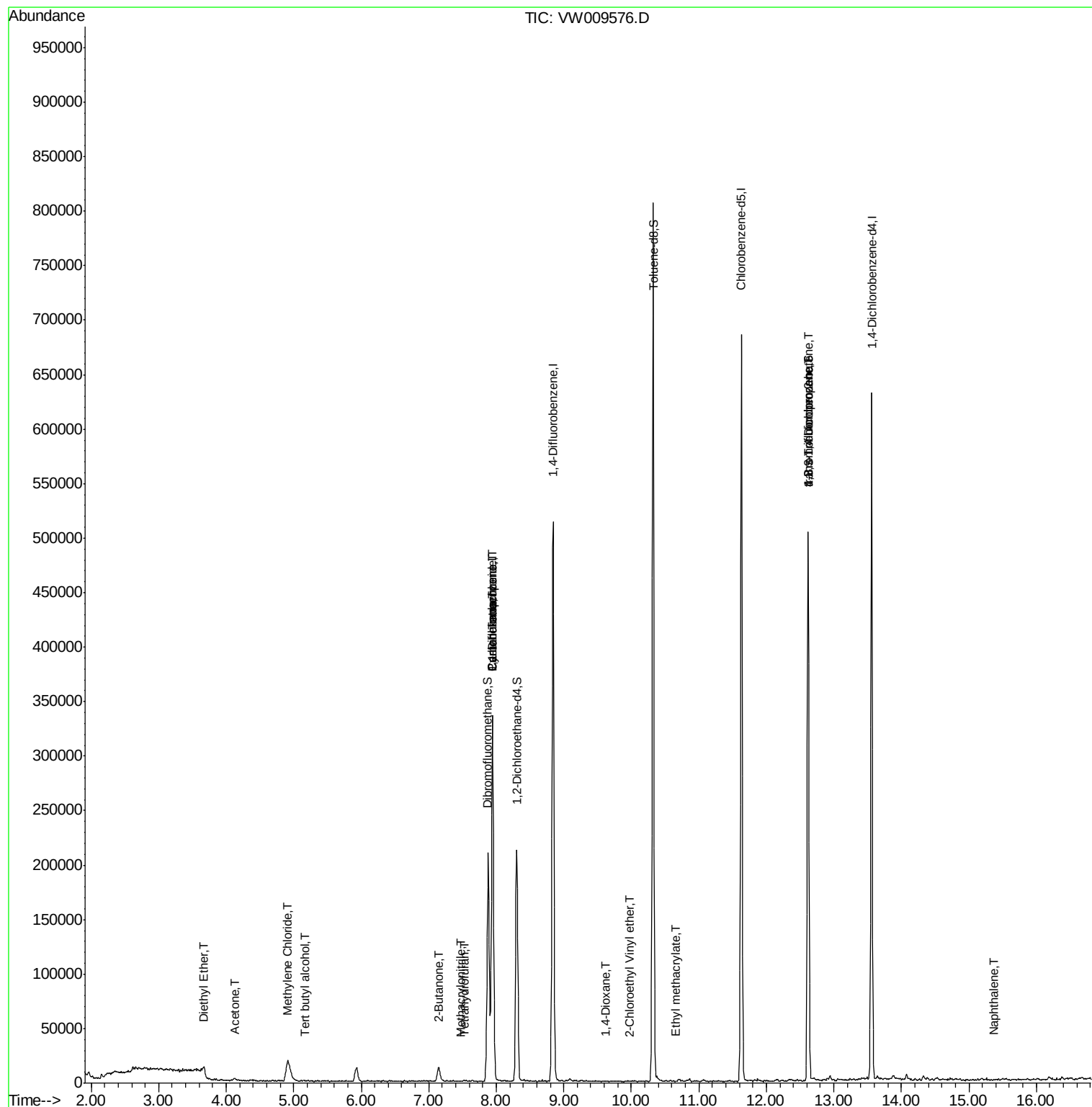
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26	Below Cal	#	41
8) Diethyl Ether	3.67	74	1491	1.241	ug/l #	28
11) Tert butyl alcohol	5.17	59	610	3.954	ug/l	99
16) Acetone	4.12	43	4701	7.857	ug/l #	78
20) Methylene Chloride	4.92	84	17469	3.863	ug/l	93
25) 2-Butanone	7.15	43	904	1.093	ug/l #	50
29) Tetrahydrofuran	7.53	42	579	1.128	ug/l #	72
31) Cyclohexane	7.95	56	6148	1.404	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20990	5.120	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24611	5.859	ug/l #	16
41) Methacrylonitrile	7.48	41	96	3.991	ug/l #	32
49) 1,4-Dioxane	9.63	88	110	4.797	ug/l #	3
56) Ethyl methacrylate	10.65	69	21	3.803	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.98	63	54	17.053	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	84192	60.604	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84192	140.933	ug/l #	7
95) Naphthalene	15.36	128	544	2.812	ug/l #	76

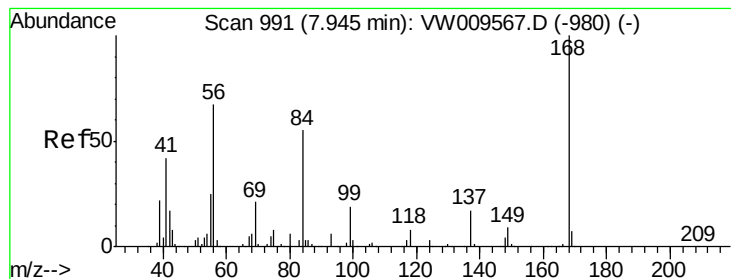
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:24:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

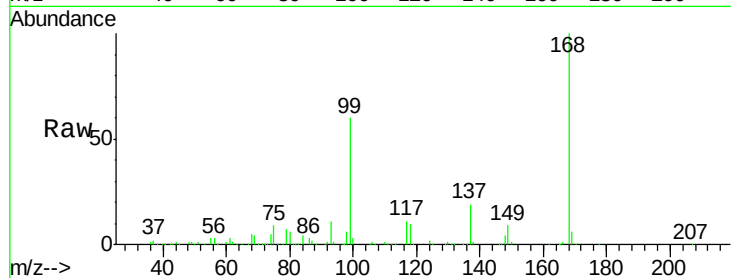
TT-002-IDW/ISO-20190325

Tgt Ion:168 Resp: 232704

Ion Ratio Lower Upper

168 100

99 59.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

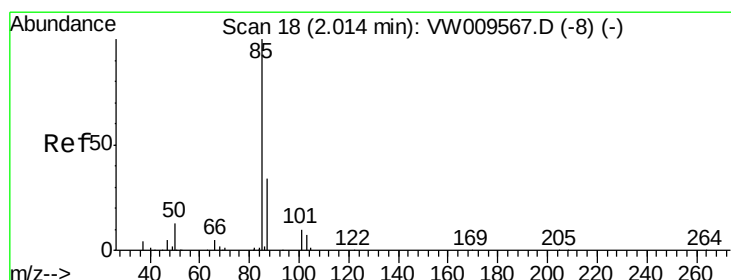
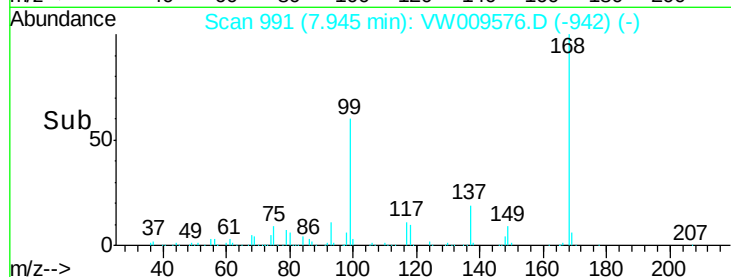
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009576.D

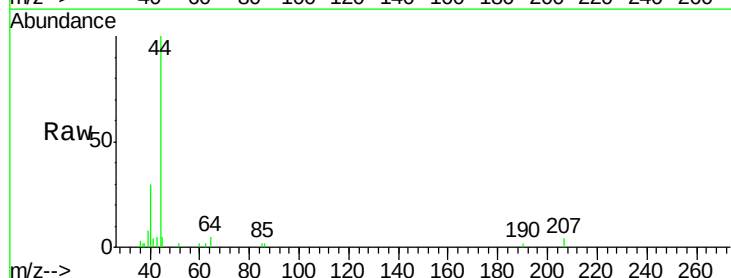
Acq: 29 Mar 2019 17:20

Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80

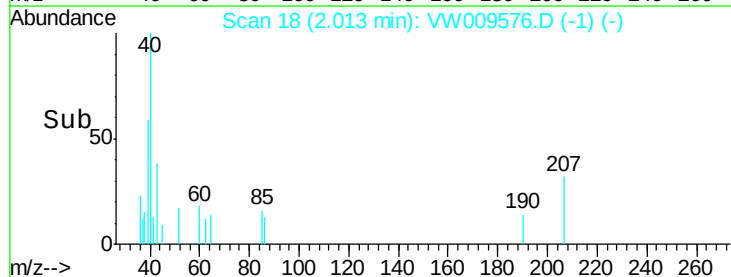
60

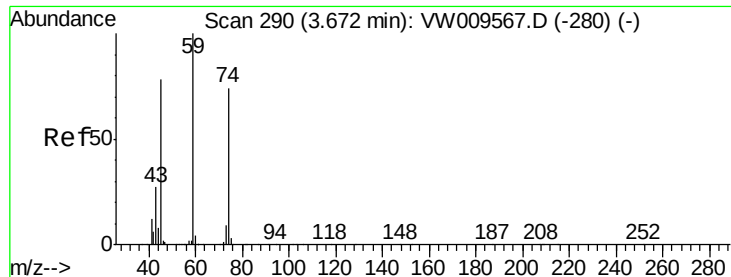
40

20

0

Time-->





#8

Diethyl Ether

Concen: 1.241 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

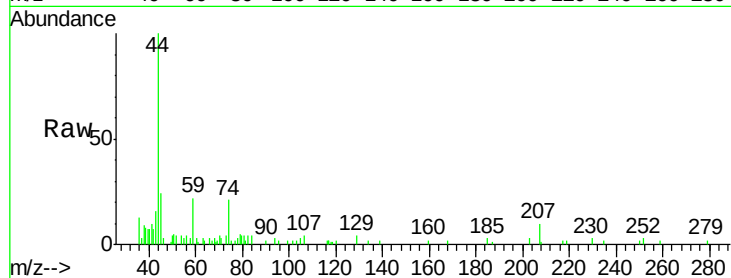
TT-002-IDWSO-20190325

Tgt Ion: 74 Resp: 1491

Ion Ratio Lower Upper

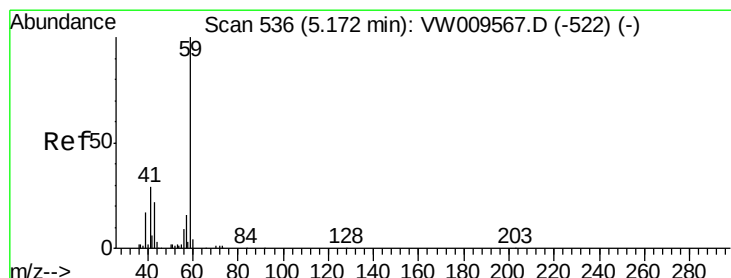
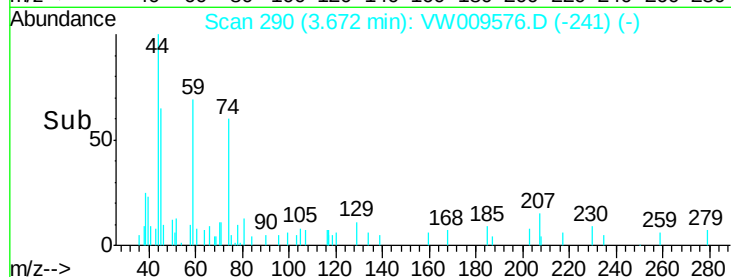
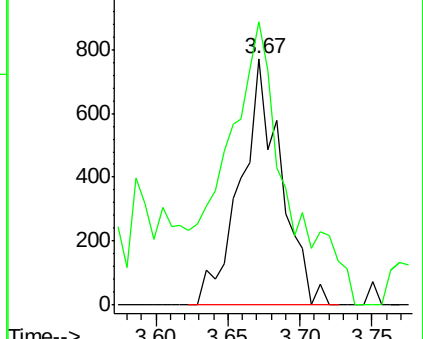
74 100

45 174.0 50.6 151.9#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 3.954 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW009576.D

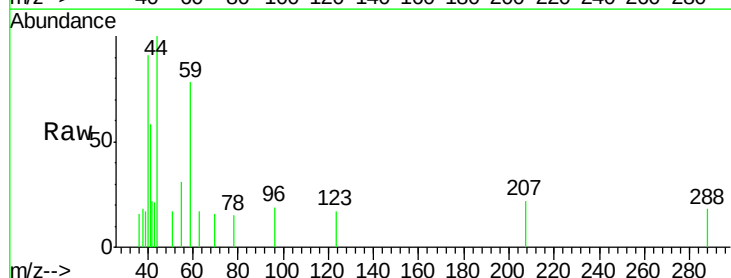
Acq: 29 Mar 2019 17:20

Tgt Ion: 59 Resp: 610

Ion Ratio Lower Upper

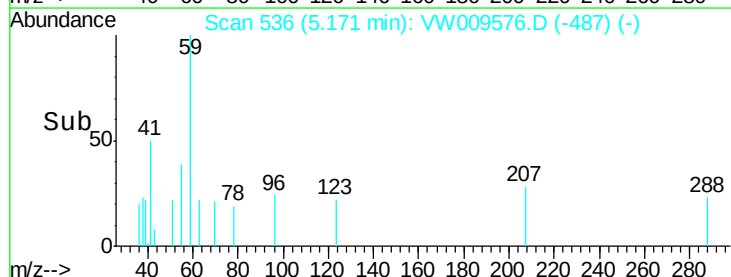
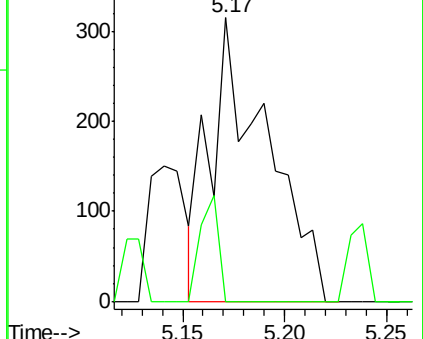
59 100

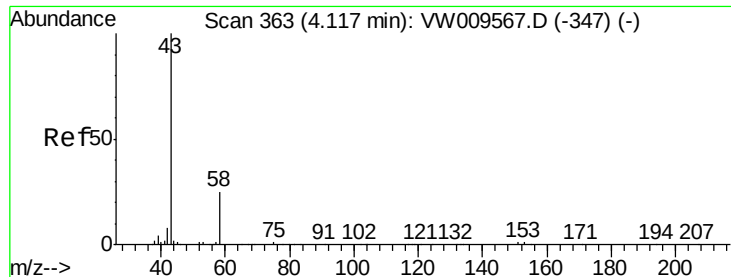
57 12.1 9.4 14.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 7.857 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

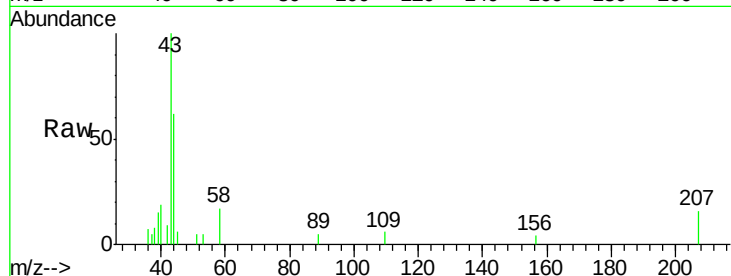
TT-002-IDWSO-20190325

Tgt Ion: 43 Resp: 4701

Ion Ratio Lower Upper

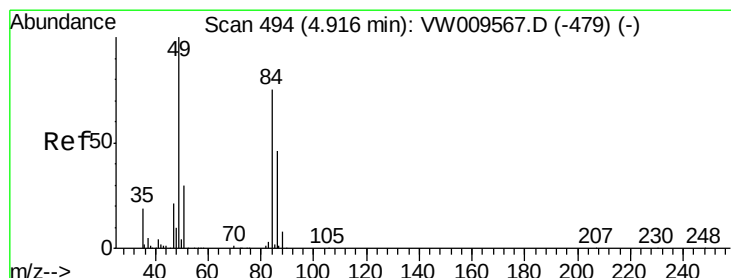
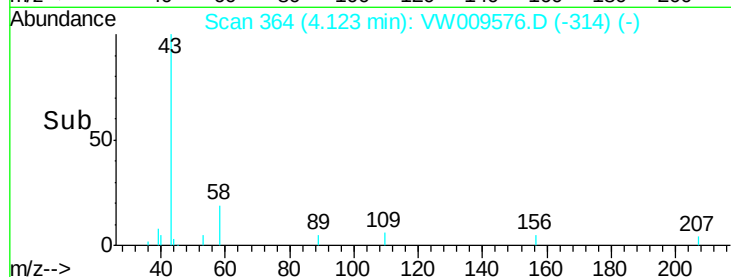
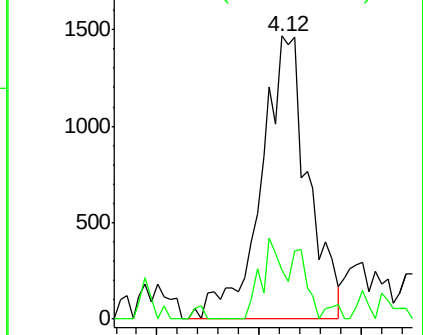
43 100

58 17.5 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.863 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

Tgt Ion: 84 Resp: 17469

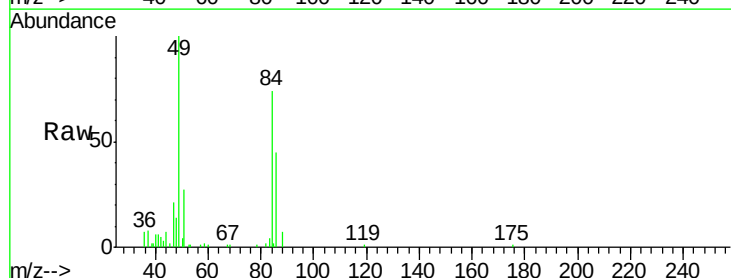
Ion Ratio Lower Upper

84 100

49 135.8 99.1 148.7

51 36.7 28.7 43.1

86 60.7 50.5 75.7

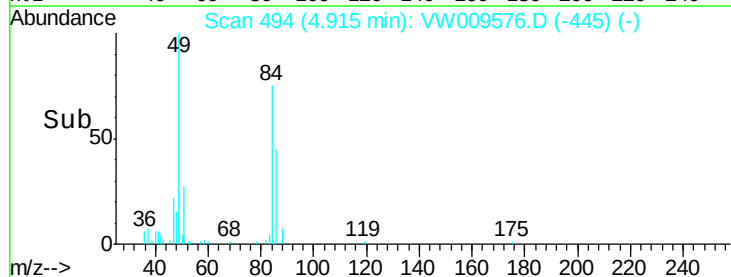
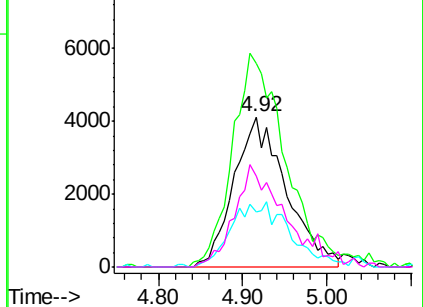


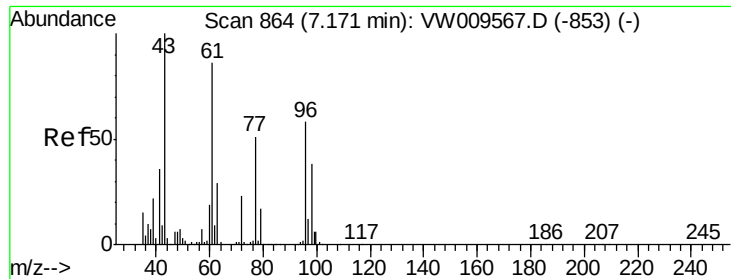
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 1.093 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

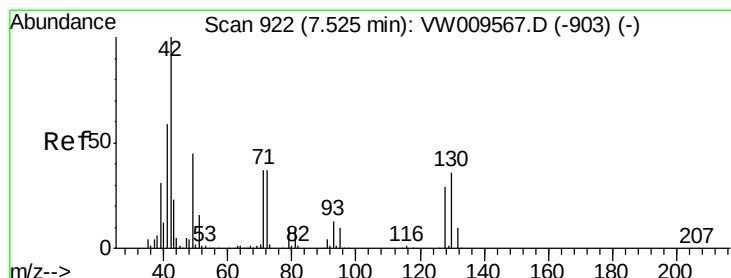
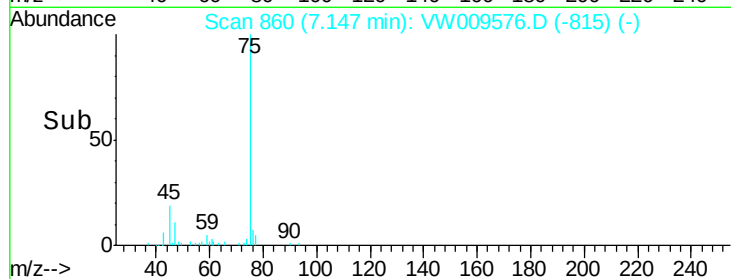
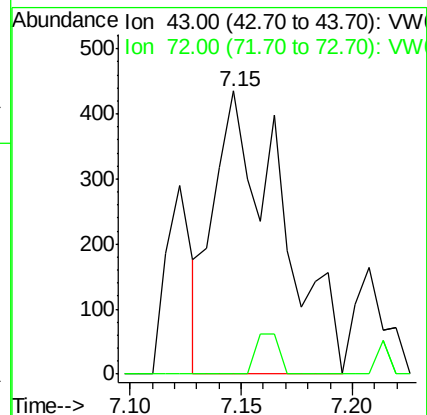
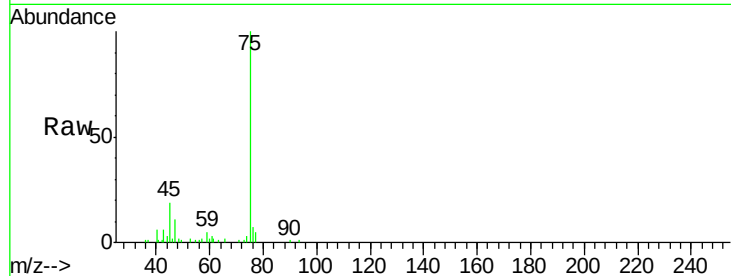
TT-002-IDWSO-20190325

Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

43 100

72 0.0 20.0 30.0#



#29

Tetrahydrofuran

Concen: 1.128 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

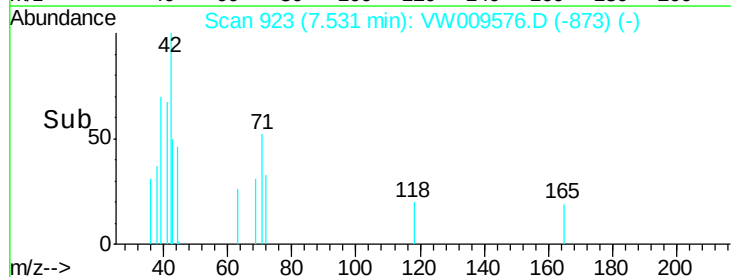
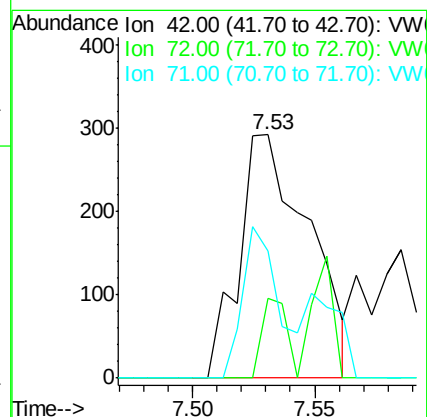
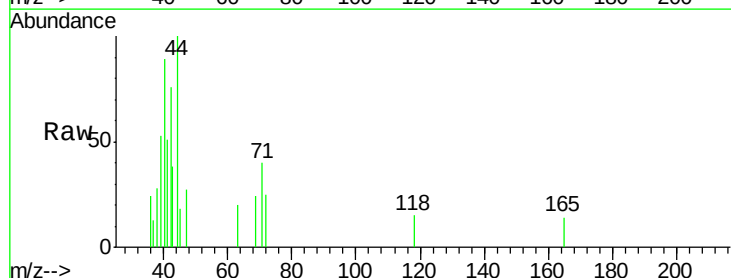
Tgt Ion: 42 Resp: 579

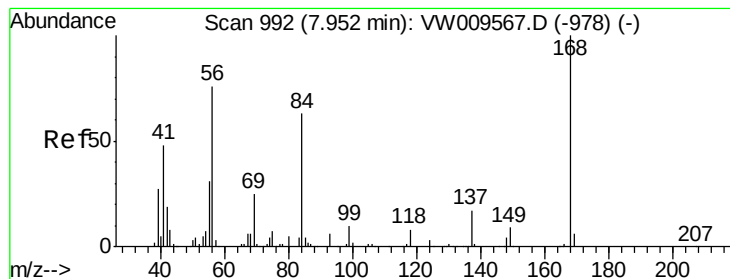
Ion Ratio Lower Upper

42 100

72 11.7 32.4 48.6#

71 32.1 30.1 45.1





#31

Cyclohexane

Concen: 1.404 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

TT-002-IDW/ISO-20190325

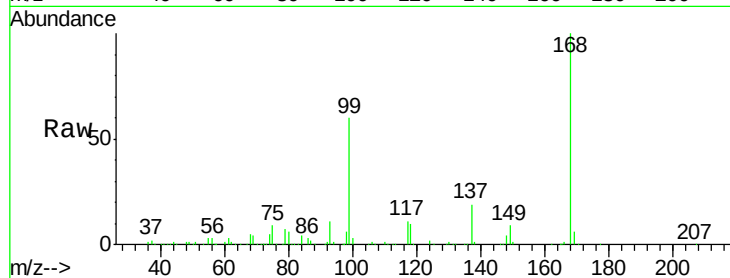
Tgt Ion: 56 Resp: 6148

Ion Ratio Lower Upper

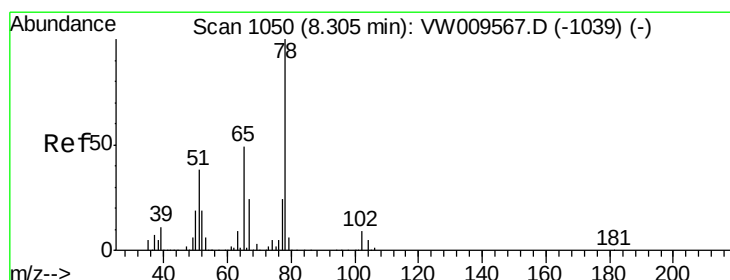
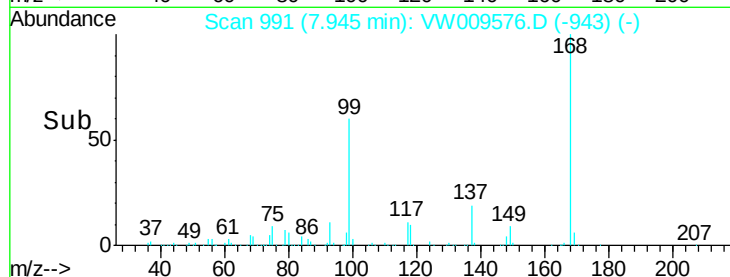
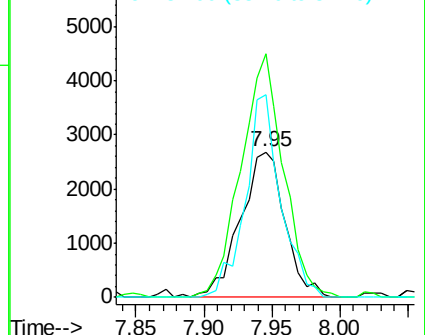
56 100

69 167.3 26.1 39.1#

84 139.5 68.6 103.0#



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



#33

1,2-Dichloroethane-d4

Concen: 62.053 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009576.D

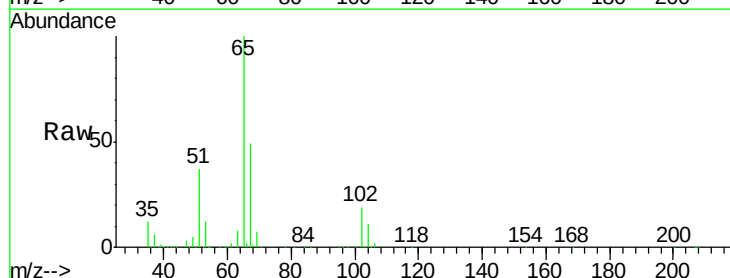
Acq: 29 Mar 2019 17:20

Tgt Ion: 65 Resp: 165127

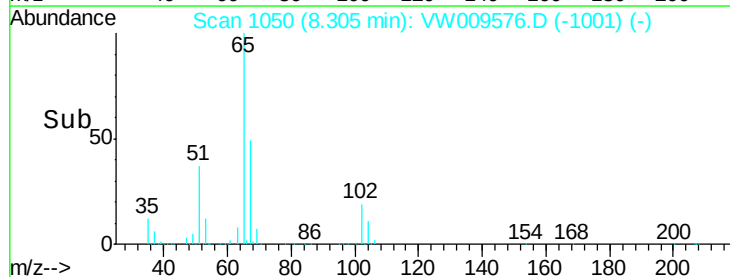
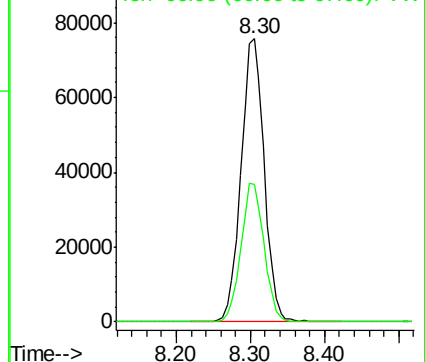
Ion Ratio Lower Upper

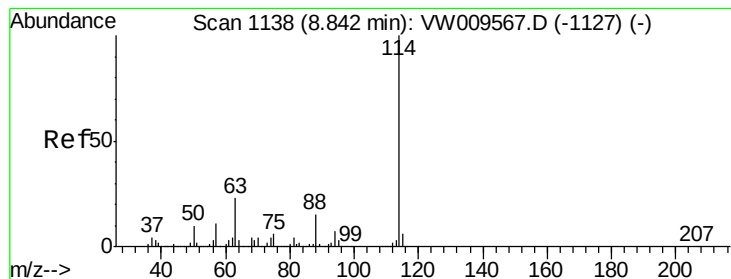
65 100

67 48.8 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

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ClientSampleId :

TT-002-IDWSO-20190325

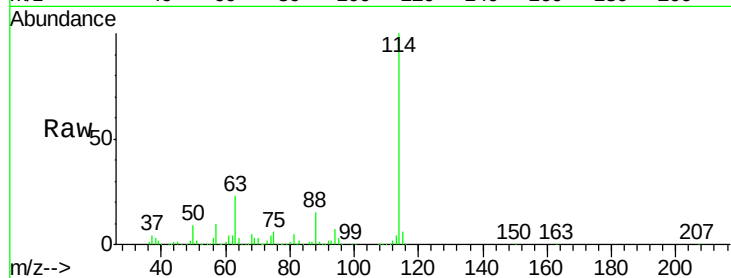
Tgt Ion:114 Resp: 396362

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.2

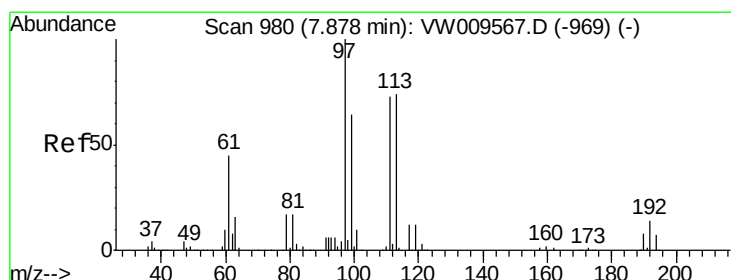
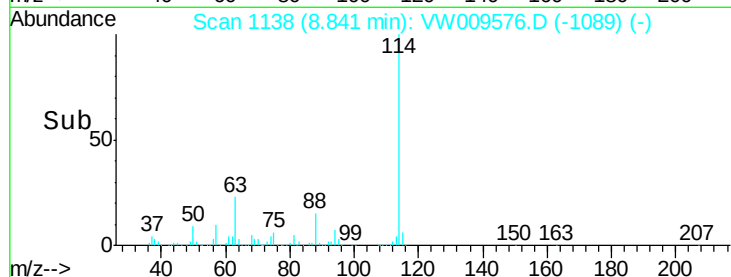
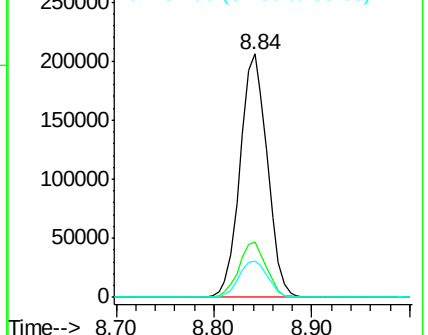
88 15.1 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 56.511 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

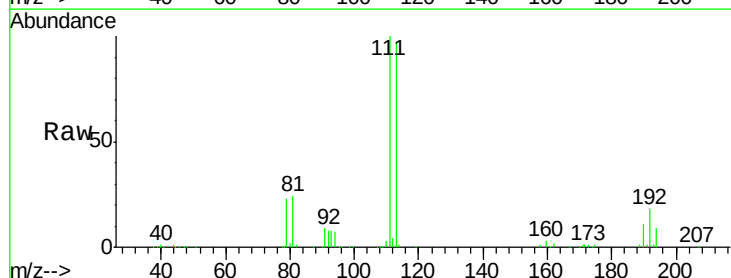
Tgt Ion:113 Resp: 140683

Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

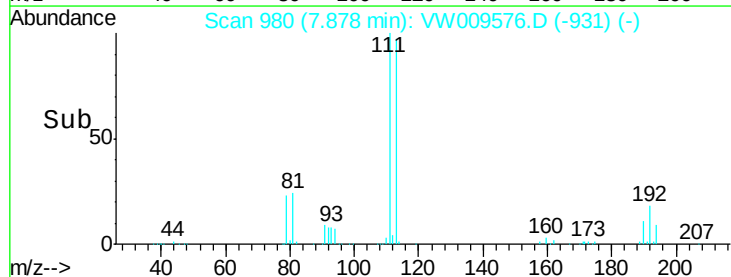
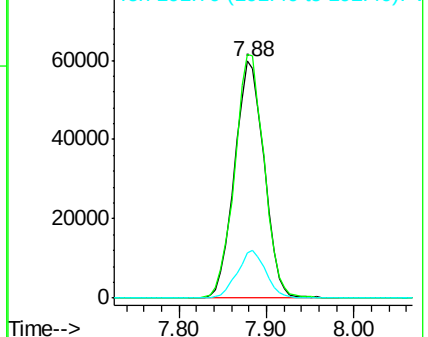
192 19.5 16.4 24.6

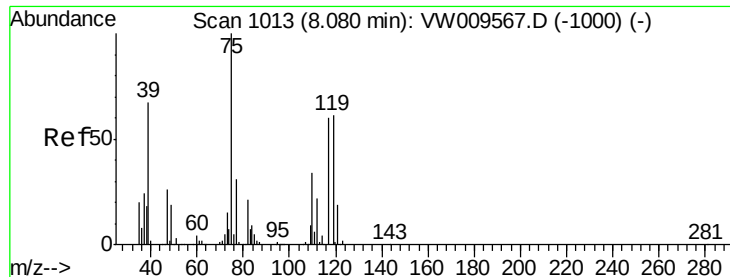


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

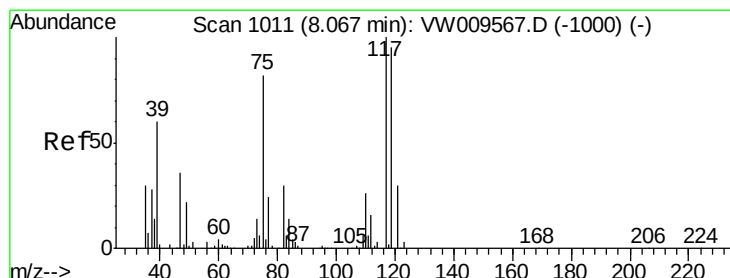
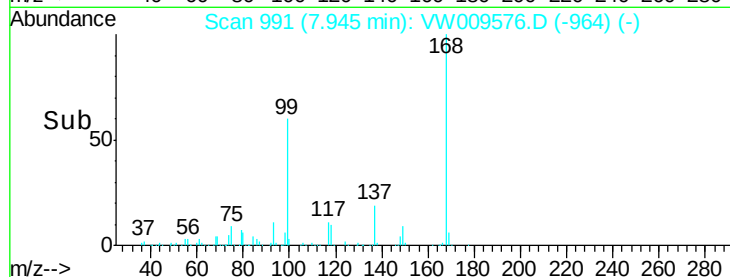
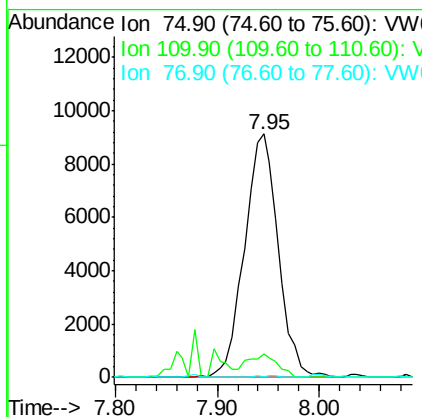
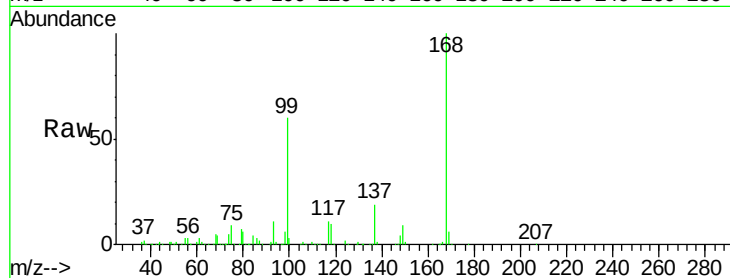




#36
 1,1-Dichloropropene
 Concen: 5.120 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009576.D
 Acq: 29 Mar 2019 17:20

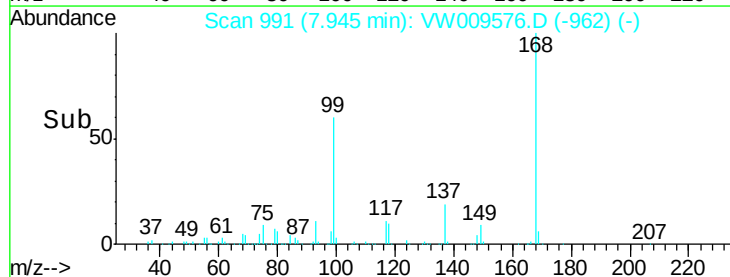
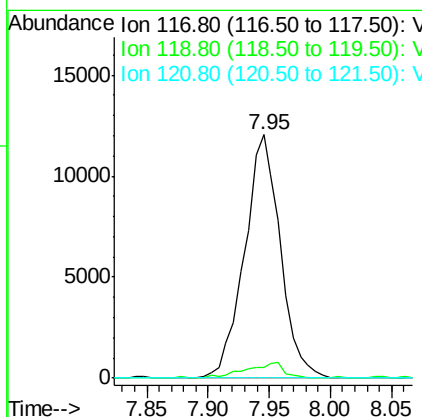
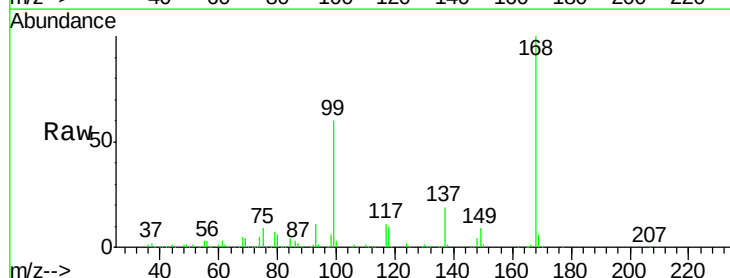
Instrument :
 MSVOA_W
 ClientSampleId :
 TT-002-IDWSO-20190325

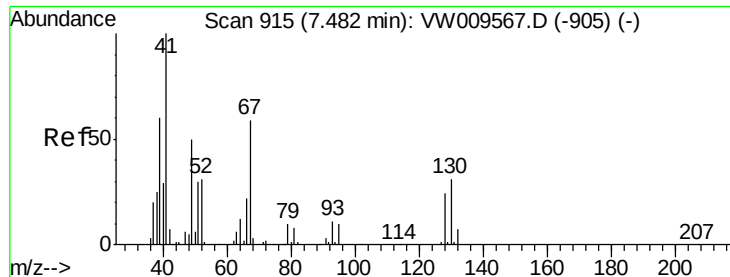
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.8	50.4#
77	0.4	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.859 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009576.D
 Acq: 29 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.4	113.0#
121	0.0	24.9	37.3#

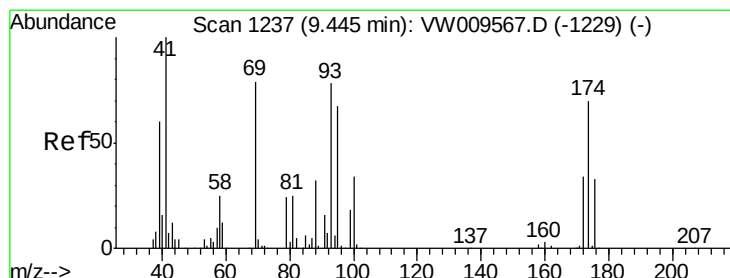
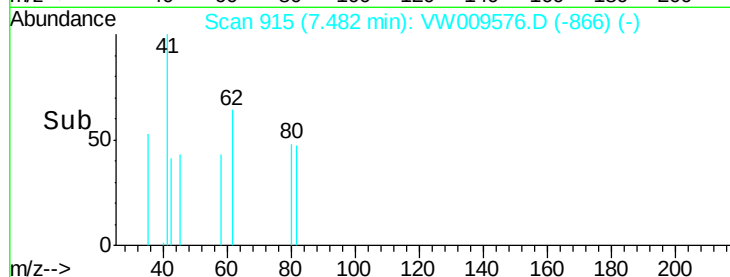
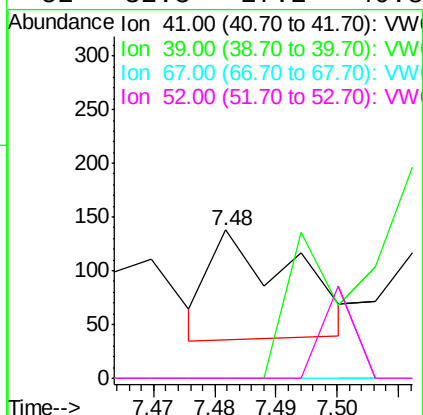
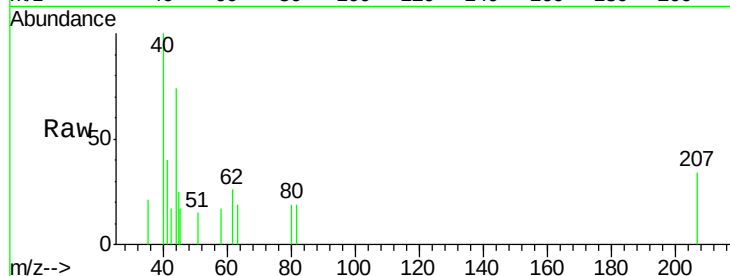




#41
Methacrylonitrile
Concen: 3.991 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009576.D
Acq: 29 Mar 2019 17:20

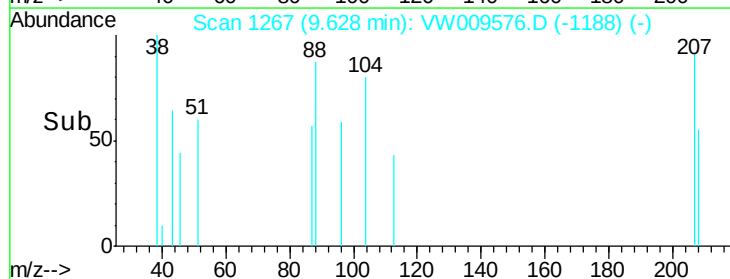
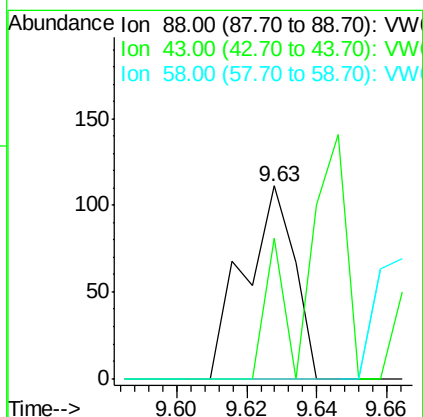
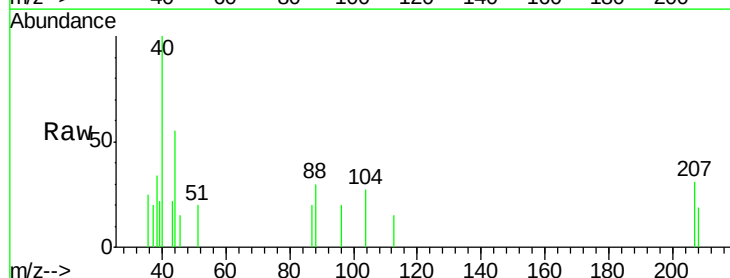
Instrument :
MSVOA_W
ClientSampleId :
TT-002-IDWSO-20190325

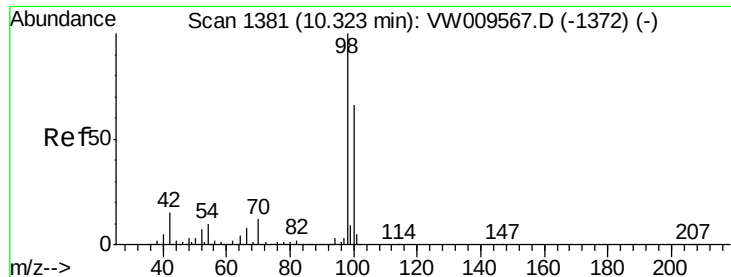
Tgt Ion:	41	Resp:	96
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.5	78.7#
67	0.0	56.6	84.8#
52	32.3	27.2	40.8



#49
1,4-Dioxane
Concen: 4.797 ug/l
RT: 9.63 min Scan# 1267
Delta R.T. 0.18 min
Lab File: VW009576.D
Acq: 29 Mar 2019 17:20

Tgt Ion:	88	Resp:	110
Ion	Ratio	Lower	Upper
88	100		
43	107.3	29.7	44.5#
58	0.0	58.1	87.1#





#50

Toluene-d8

Concen: 53.327 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

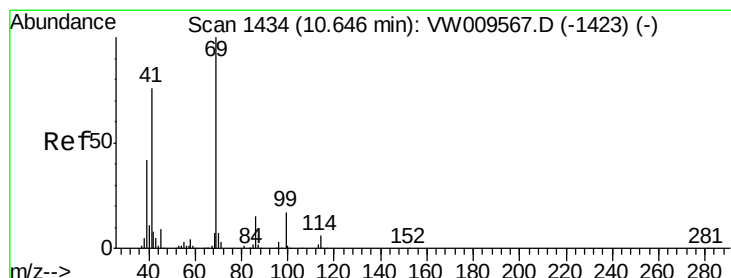
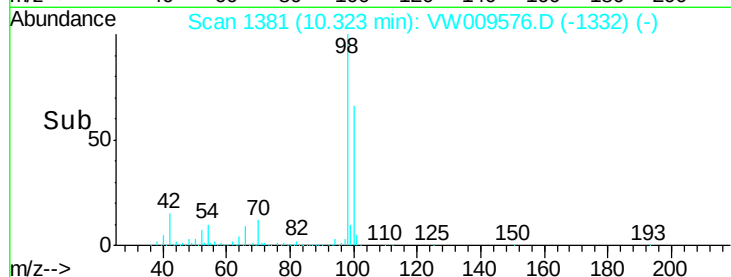
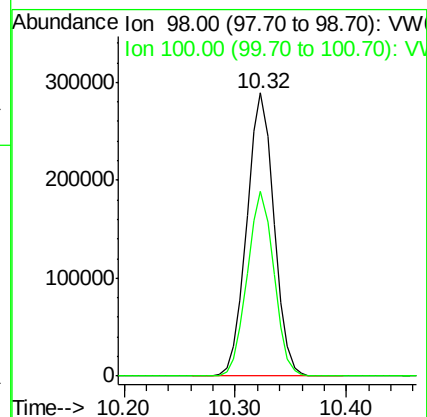
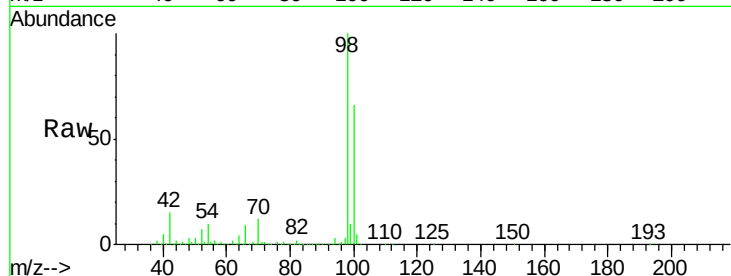
TT-002-IDWSO-20190325

Tgt Ion: 98 Resp: 490681

Ion Ratio Lower Upper

98 100

100 64.4 52.6 79.0



#56

Ethyl methacrylate

Concen: 3.803 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW009576.D

Acq: 29 Mar 2019 17:20

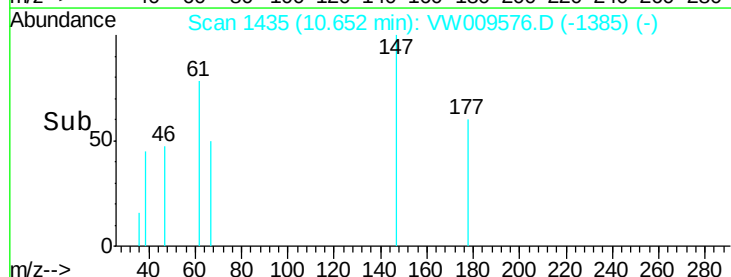
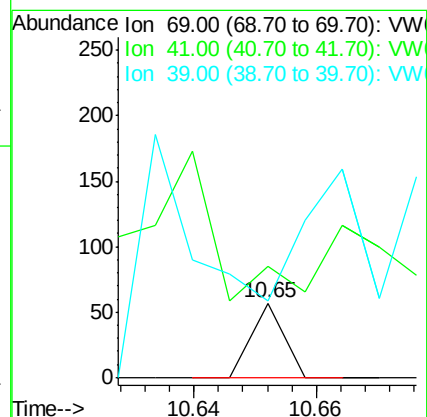
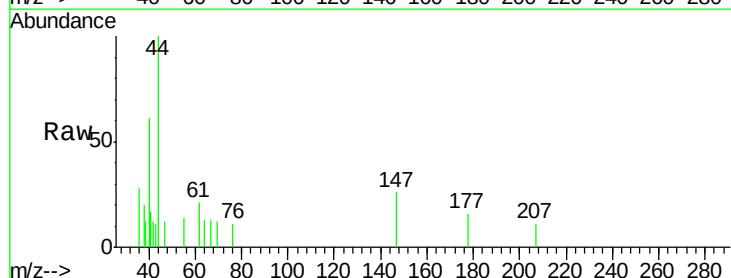
Tgt Ion: 69 Resp: 21

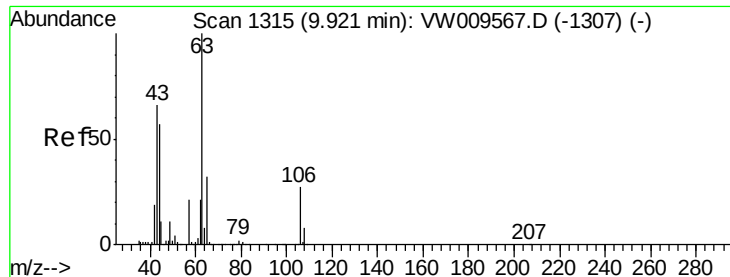
Ion Ratio Lower Upper

69 100

41 676.2 59.3 88.9#

39 290.5 36.2 54.2#

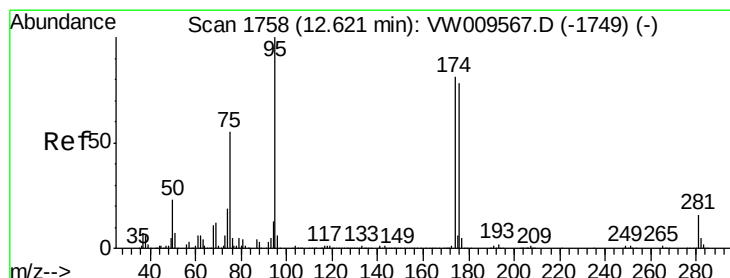
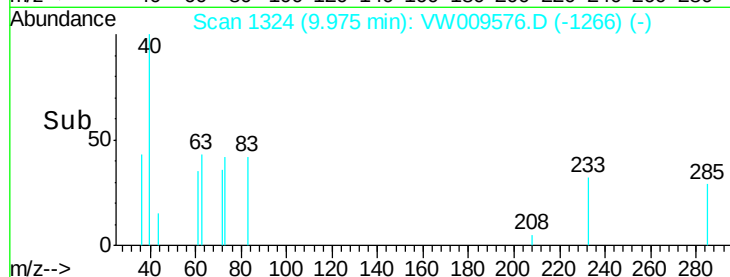
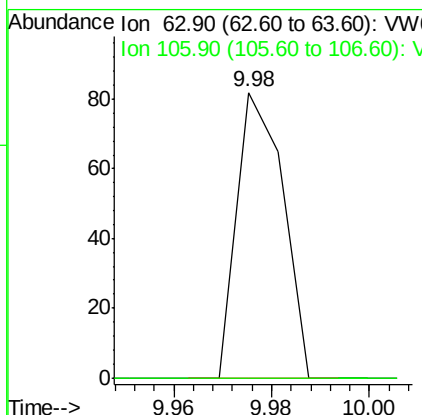
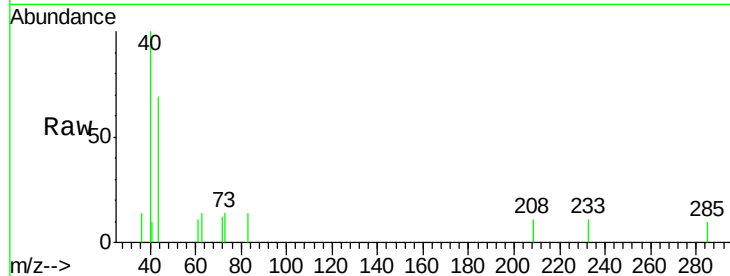




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.053 ug/l
 RT: 9.98 min Scan# 1324
 Delta R.T. 0.06 min
 Lab File: VW009576.D
 Acq: 29 Mar 2019 17:20

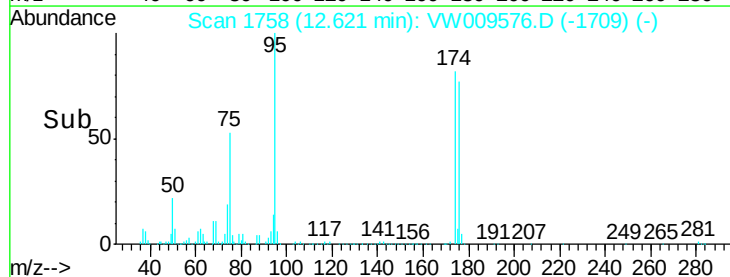
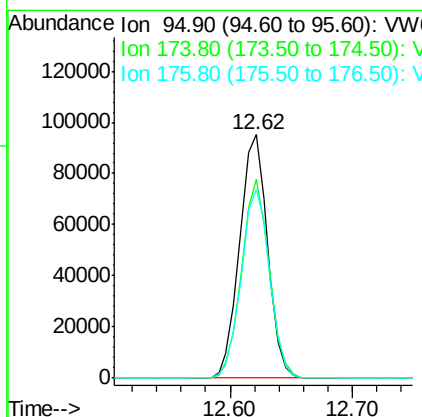
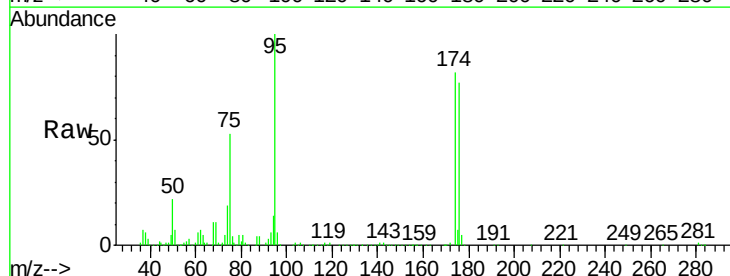
Instrument :
 MSVOA_W
 ClientSampleId :
 TT-002-IDWSO-20190325

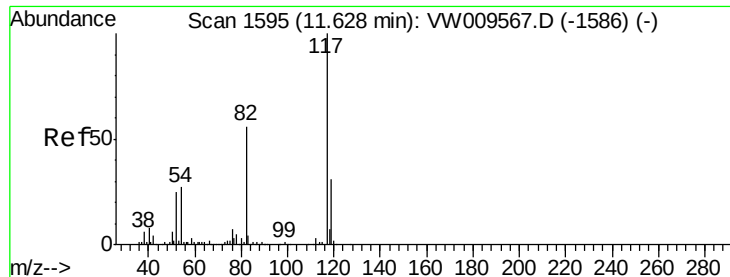
Tgt Ion: 63 Resp: 54
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.9 34.3#



#62
 4-Bromofluorobenzene
 Concen: 43.864 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009576.D
 Acq: 29 Mar 2019 17:20

Tgt Ion: 95 Resp: 150567
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 168.4
 176 78.9 0.0 161.6

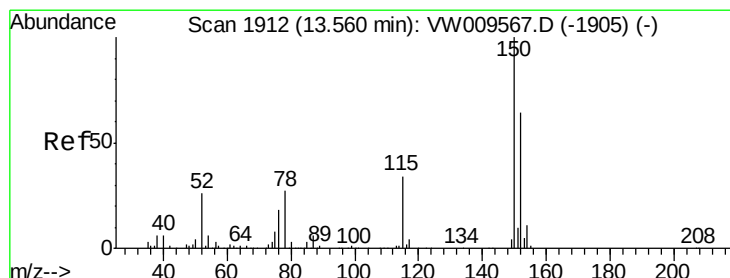
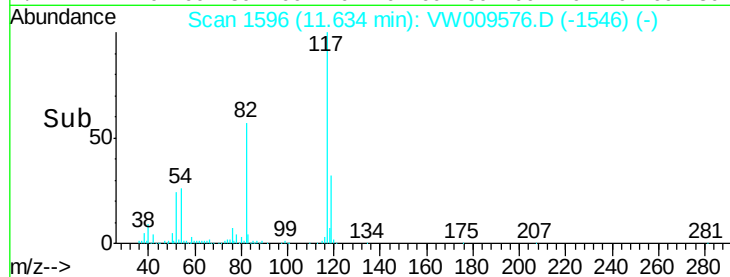
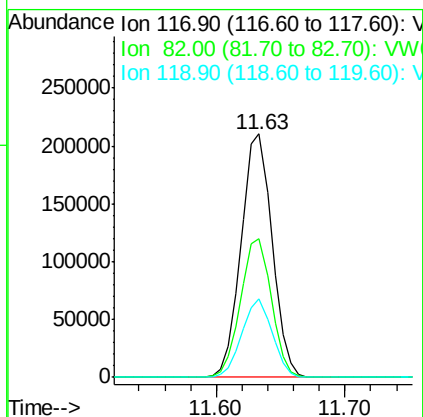
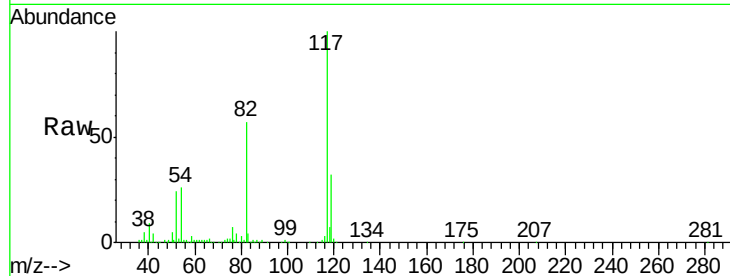




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009576.D
Acq: 29 Mar 2019 17:20

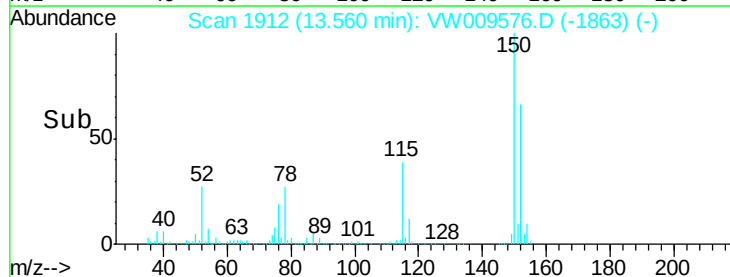
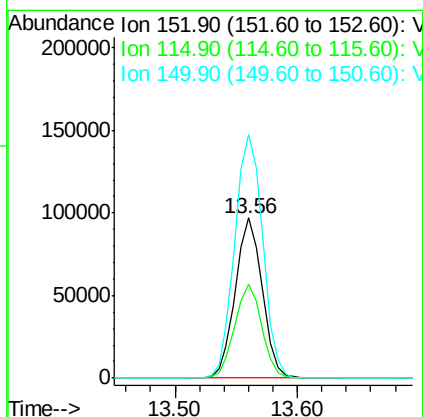
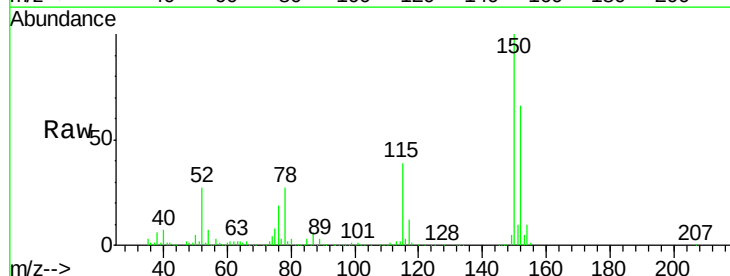
Instrument :
MSVOA_W
ClientSampleId :
TT-002-IDW/ISO-20190325

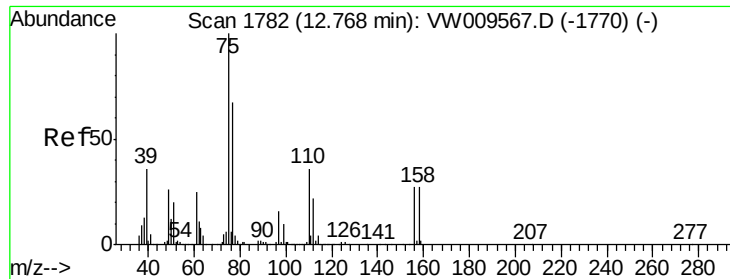
Tgt Ion:117 Resp: 350614
Ion Ratio Lower Upper
117 100
82 56.7 43.6 65.4
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009576.D
Acq: 29 Mar 2019 17:20

Tgt Ion:152 Resp: 147728
Ion Ratio Lower Upper
152 100
115 58.7 29.6 88.8
150 158.1 0.0 349.2

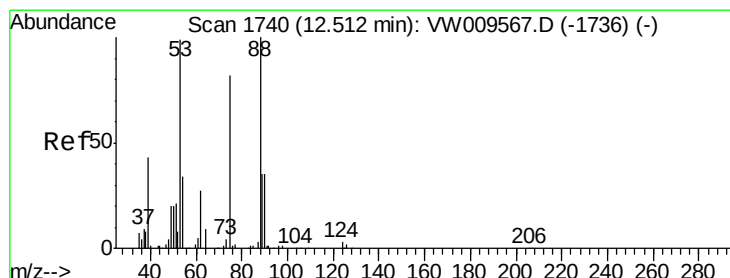
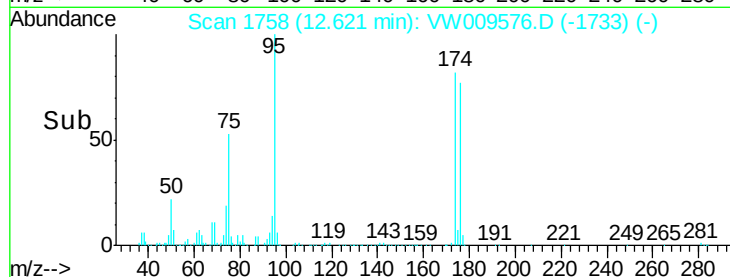
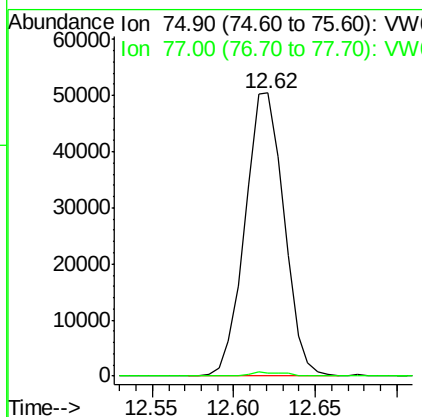
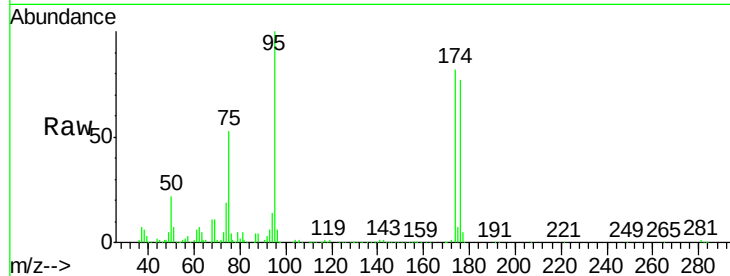




#76
 1,2,3-Trichloropropane
 Concen: 60.604 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009576.D
 Acq: 29 Mar 2019 17:20

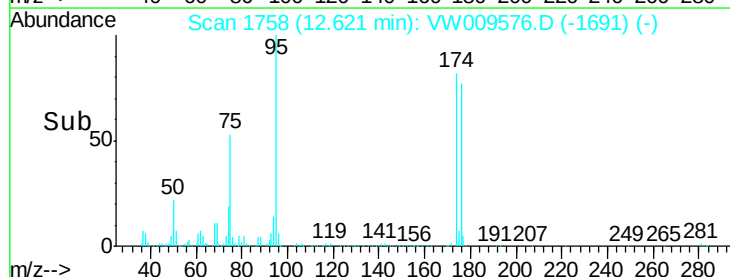
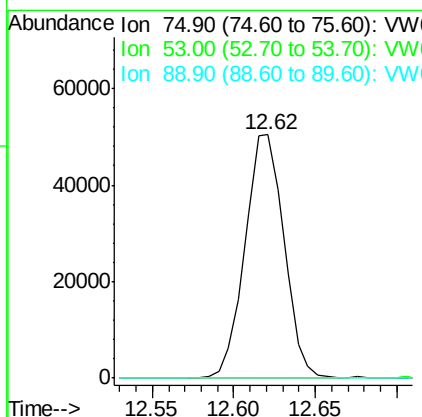
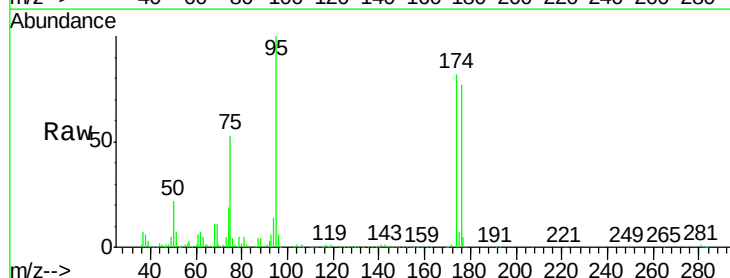
Instrument :
 MSVOA_W
 ClientSampleId :
 TT-002-IDWSO-20190325

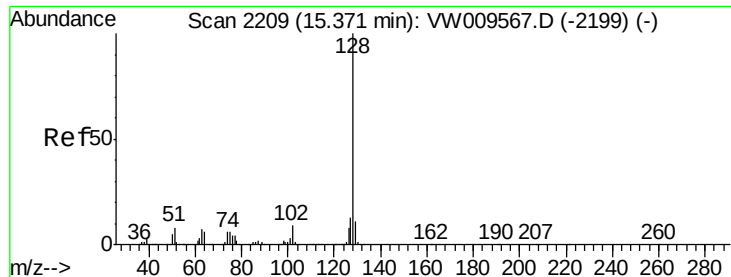
Tgt Ion: 75 Resp: 84192
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.933 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW009576.D
 Acq: 29 Mar 2019 17:20

Tgt Ion: 75 Resp: 84192
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.7 130.1#
 89 0.0 36.4 54.6#





#95

Naphthalene

Concen: 2.812 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW009576.D

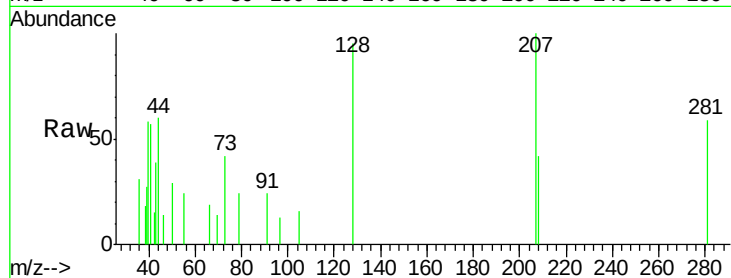
Acq: 29 Mar 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

TT-002-IDWSO-20190325



Tgt Ion:	128	Resp:	544
Ion	Ratio	Lower	Upper
128	100		
127	5.7	10.8	16.2#
129	0.0	8.7	13.1#

