

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
 Data File : VW009694.D
 Acq On : 04 Apr 2019 14:11
 Operator : SY/VA
 Sample : K2234-01RE
 Misc : 5.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-0401-S-DH-3RE

Quant Time: Apr 05 05:44:47 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	233159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	244800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58981	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144121	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	7.88	113	118446	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	10.32	98	340443	40.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.06%	
62) 4-Bromofluorobenzene	12.62	95	71247	22.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.46%	

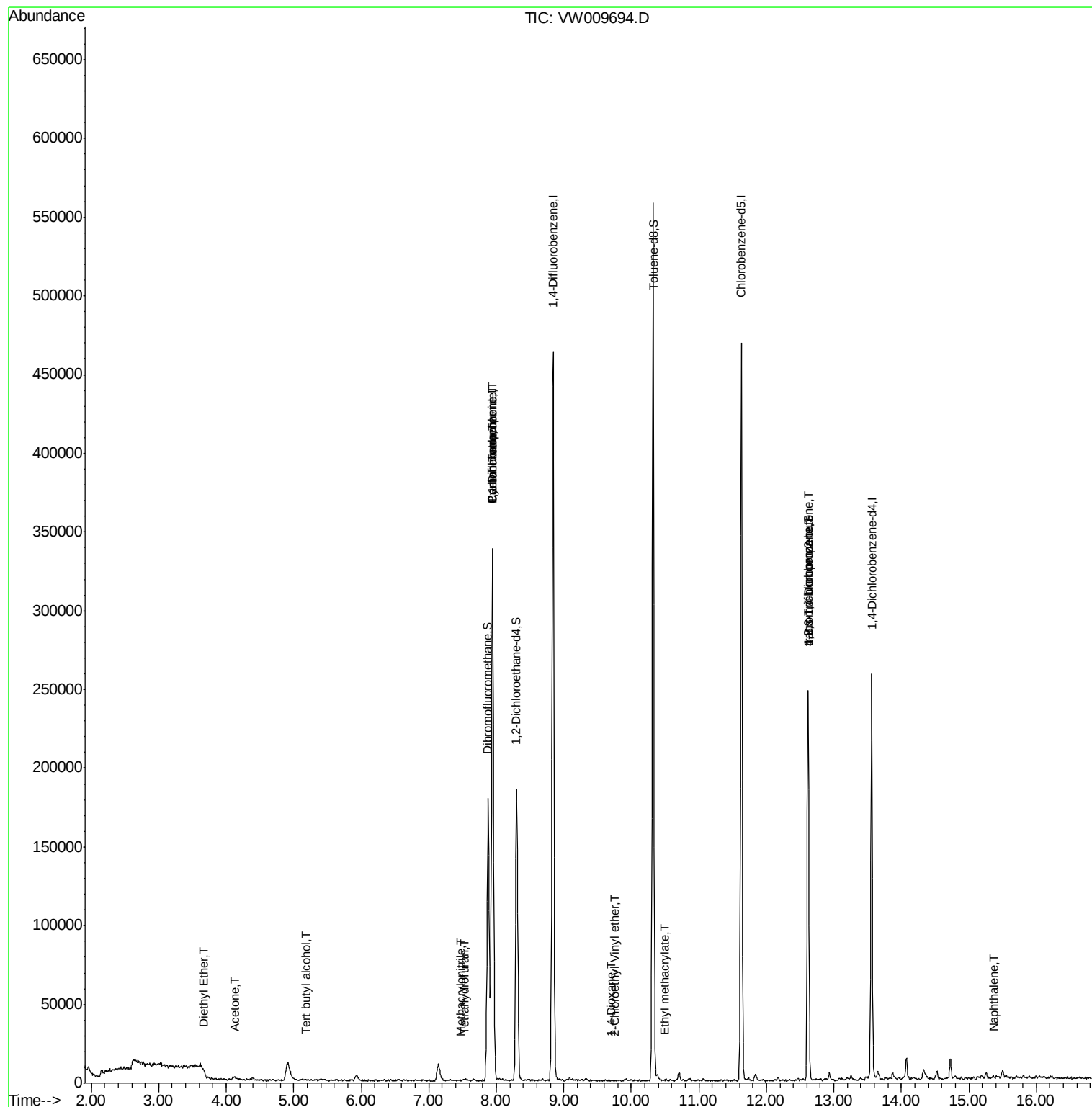
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	84	Below Cal	#	41
8) Diethyl Ether	3.68	74	1569	1.304	ug/l	52
11) Tert butyl alcohol	5.18	59	454	2.937	ug/l	96
16) Acetone	4.13	43	4379	7.305	ug/l	96
29) Tetrahydrofuran	7.53	42	527	1.025	ug/l #	83
31) Cyclohexane	7.95	56	6814	1.553	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	21747	5.810	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25207	6.572	ug/l #	18
41) Methacrylonitrile	7.48	41	107	4.007	ug/l #	43
49) 1,4-Dioxane	9.71	88	22	1.051	ug/l #	22
56) Ethyl methacrylate	10.49	69	27	3.806	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.74	63	101	17.091	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	41450	74.732	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41450	173.787	ug/l #	7
95) Naphthalene	15.36	128	945	3.113	ug/l #	84

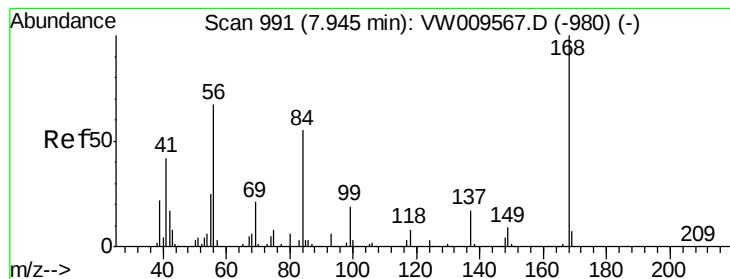
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

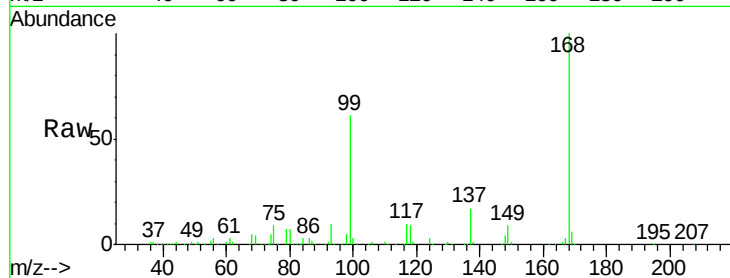
SSSI-0401-S-DH-3RE

Tgt Ion:168 Resp: 233159

Ion Ratio Lower Upper

168 100

99 61.2 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

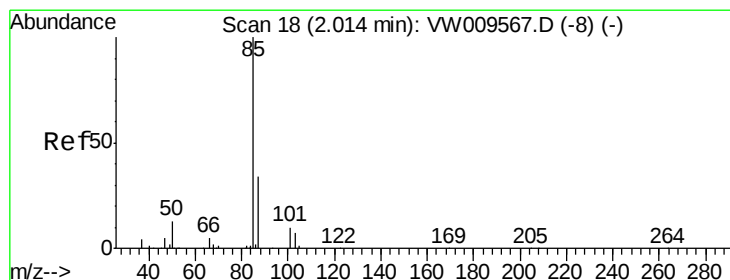
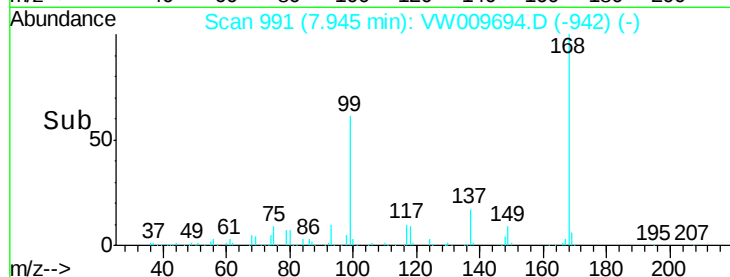
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW009694.D

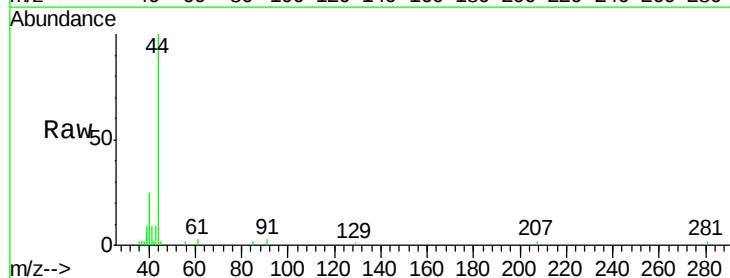
Acq: 04 Apr 2019 14:11

Tgt Ion: 85 Resp: 84

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

2.00

120

100

80

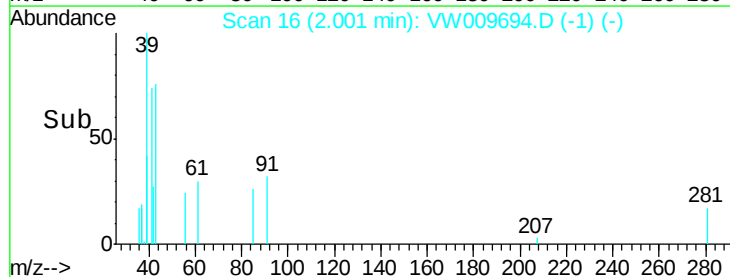
60

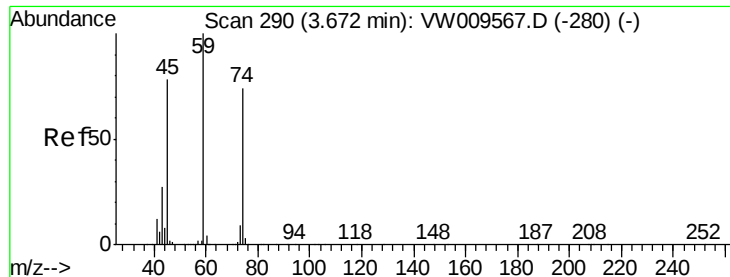
40

20

0

Time-->





#8

Diethyl Ether

Concen: 1.304 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

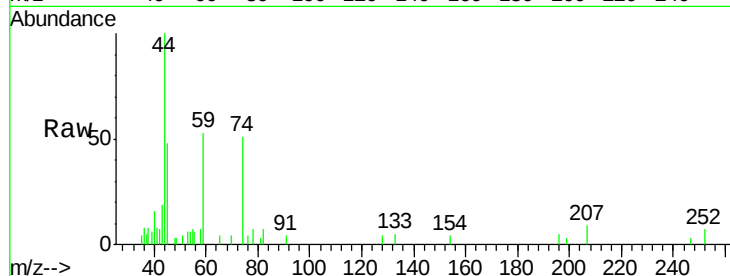
SSSI-0401-S-DH-3RE

Tgt Ion: 74 Resp: 1569

Ion Ratio Lower Upper

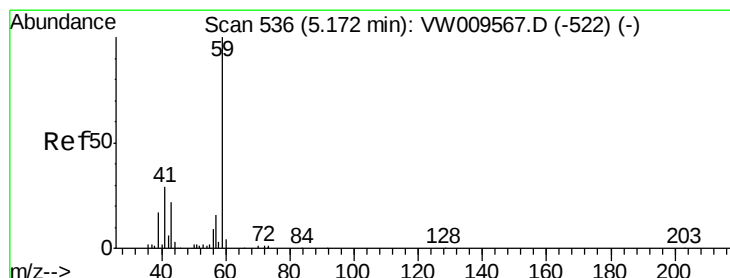
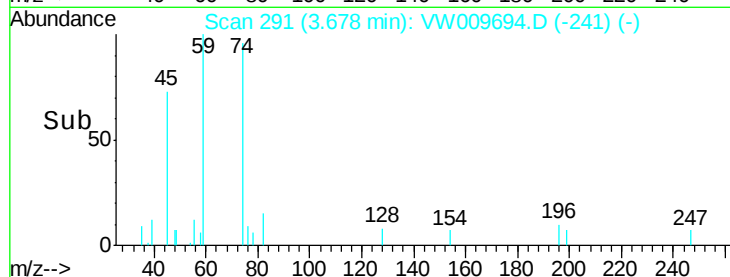
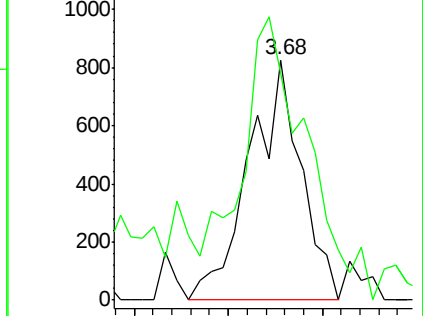
74 100

45 149.7 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: 2.937 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW009694.D

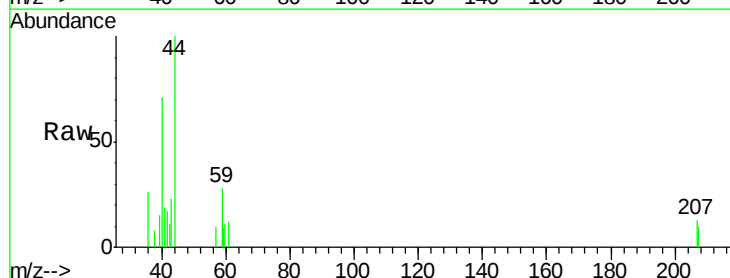
Acq: 04 Apr 2019 14:11

Tgt Ion: 59 Resp: 454

Ion Ratio Lower Upper

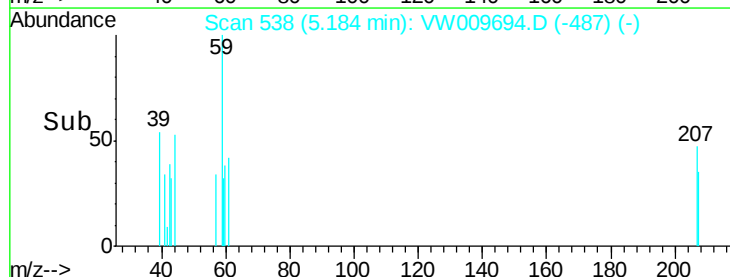
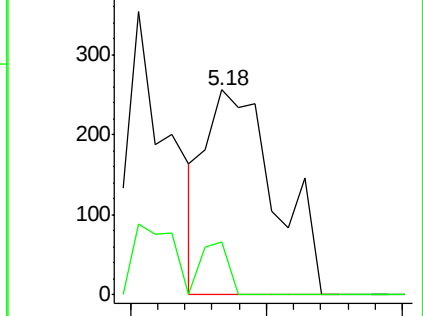
59 100

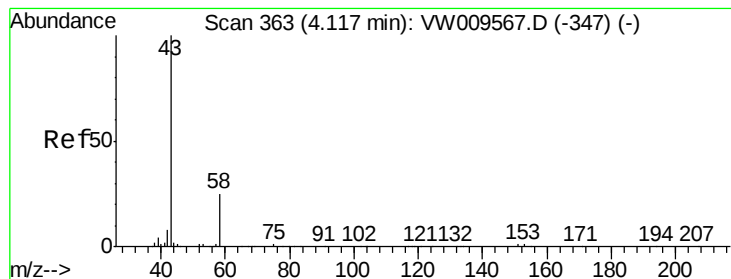
57 10.1 9.4 14.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 7.305 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

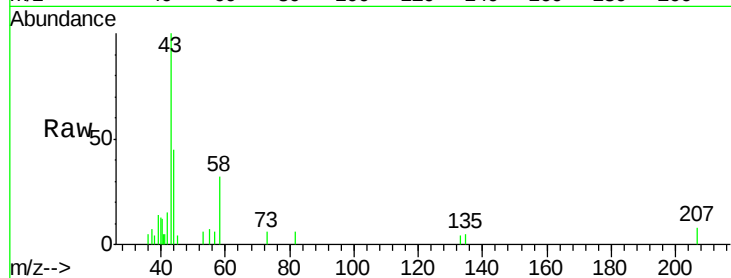
SSSI-0401-S-DH-3RE

Tgt Ion: 43 Resp: 4379

Ion Ratio Lower Upper

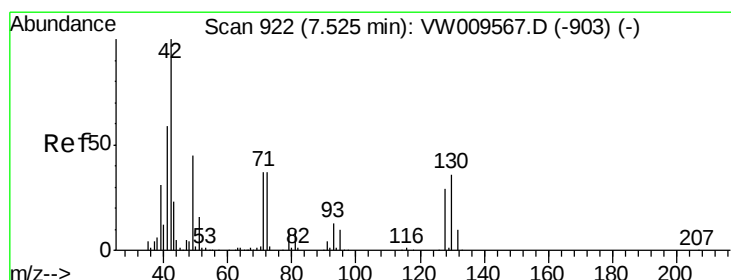
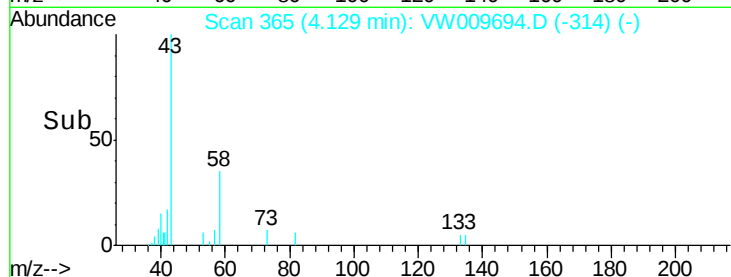
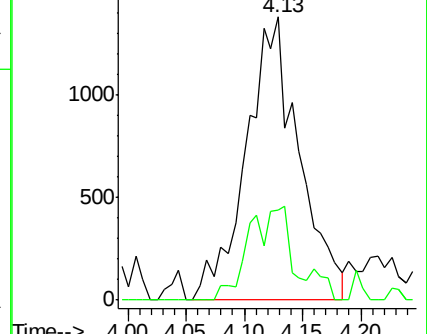
43 100

58 31.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#29

Tetrahydrofuran

Concen: 1.025 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

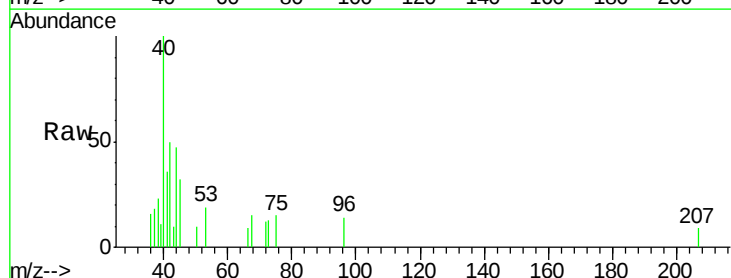
Tgt Ion: 42 Resp: 527

Ion Ratio Lower Upper

42 100

72 40.6 32.4 48.6

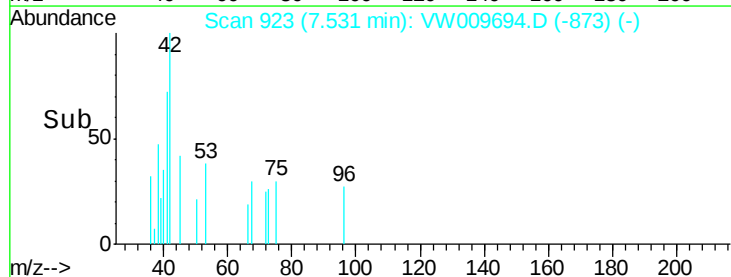
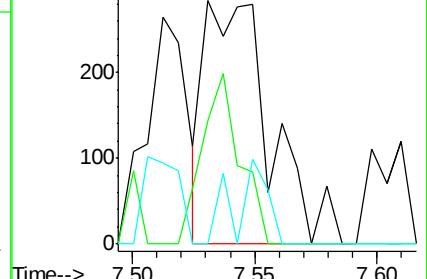
71 16.9 30.1 45.1#

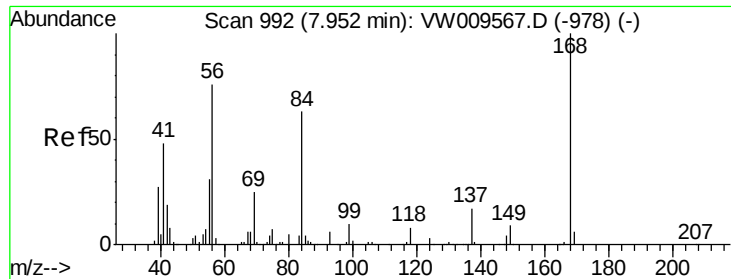


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

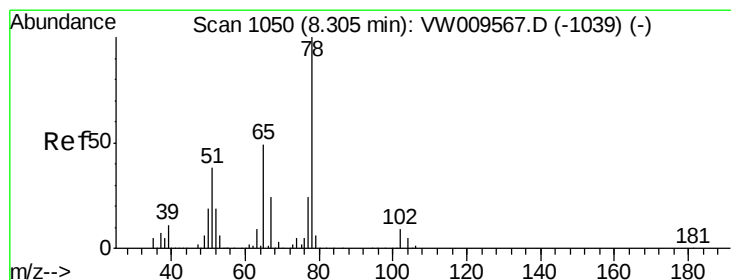
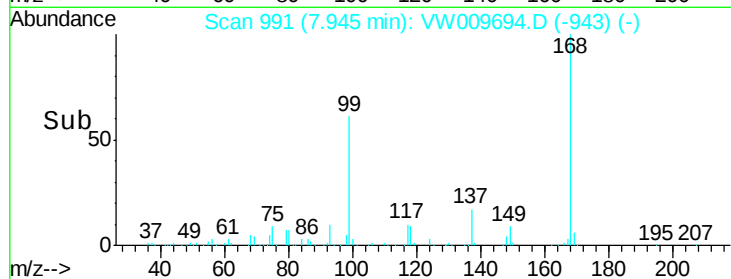
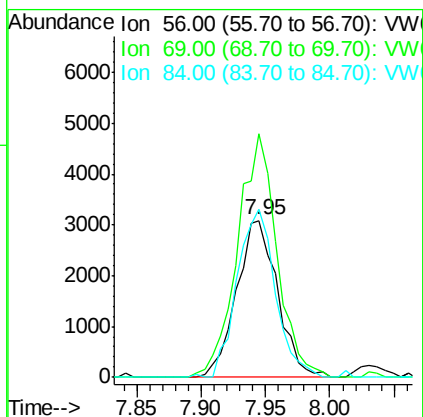
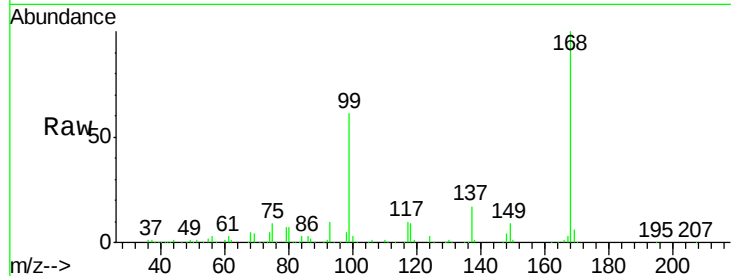




#31
Cyclohexane
Concen: 1.553 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009694.D
Acq: 04 Apr 2019 14:11

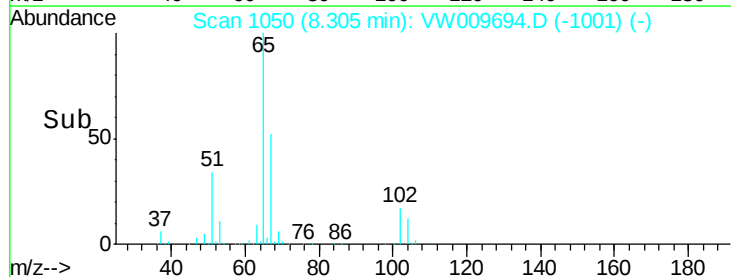
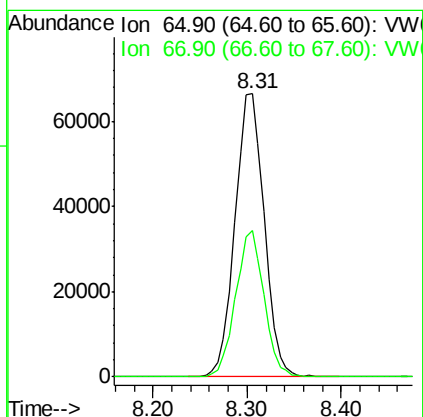
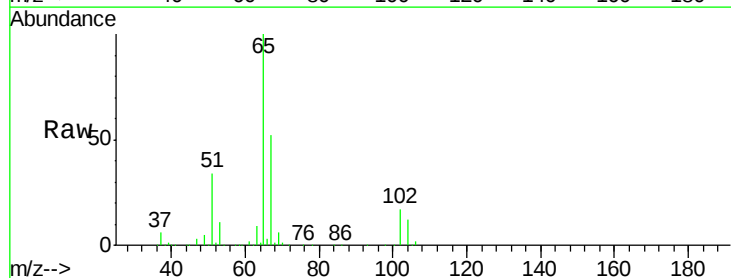
Instrument :
MSVOA_W
ClientSampleId :
SSSI-0401-S-DH-3RE

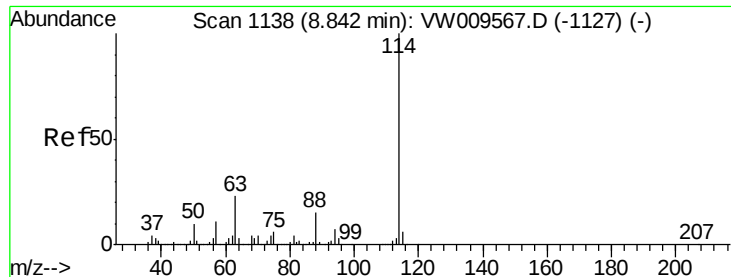
Tgt Ion: 56 Resp: 6814
Ion Ratio Lower Upper
56 100
69 155.0 26.1 39.1#
84 106.6 68.6 103.0#



#33
1,2-Dichloroethane-d4
Concen: 54.054 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW009694.D
Acq: 04 Apr 2019 14:11

Tgt Ion: 65 Resp: 144121
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0401-S-DH-3RE

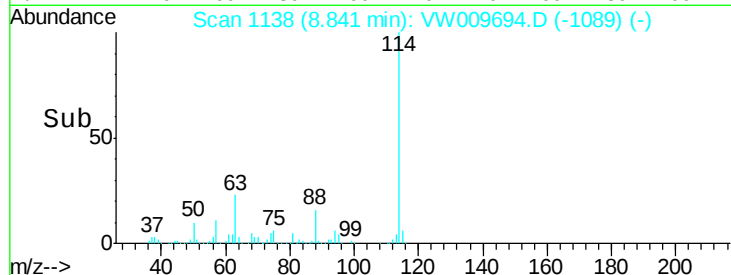
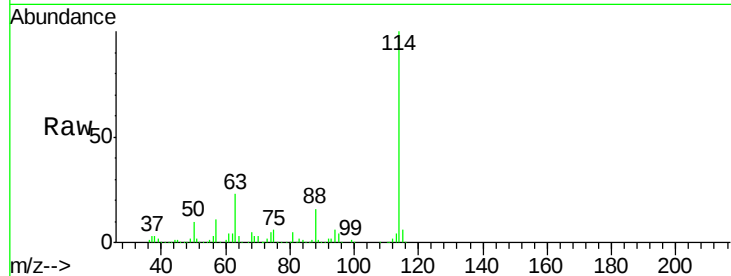
Tgt Ion:114 Resp: 361874

Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.2

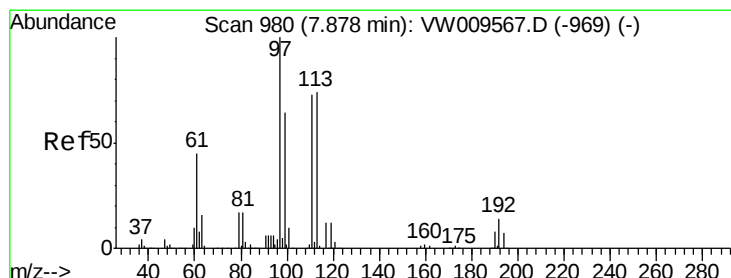
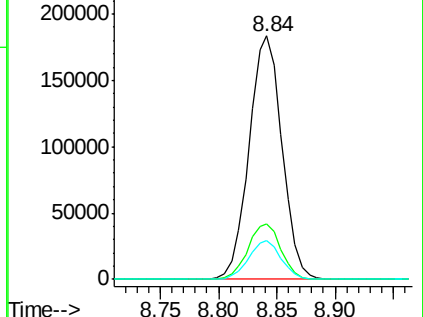
88 16.0 0.0 30.8



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: 52.113 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

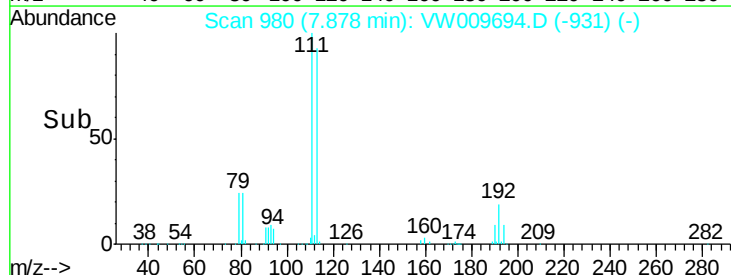
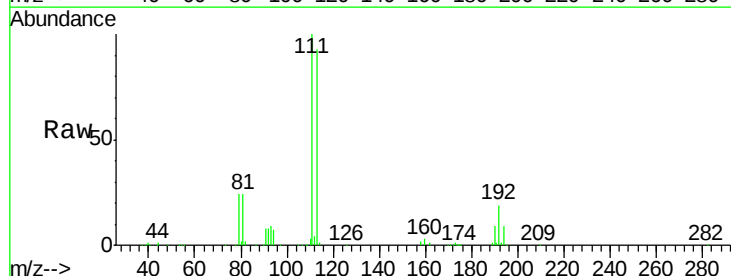
Tgt Ion:113 Resp: 118446

Ion Ratio Lower Upper

113 100

111 104.7 82.6 124.0

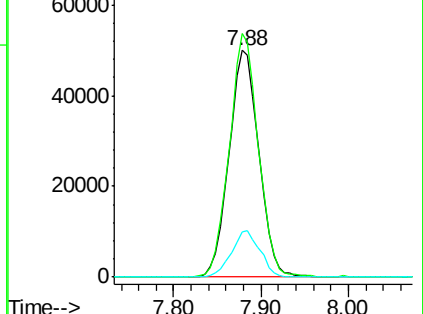
192 19.9 16.4 24.6

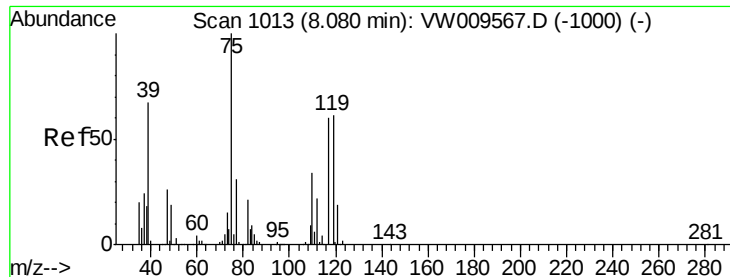


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

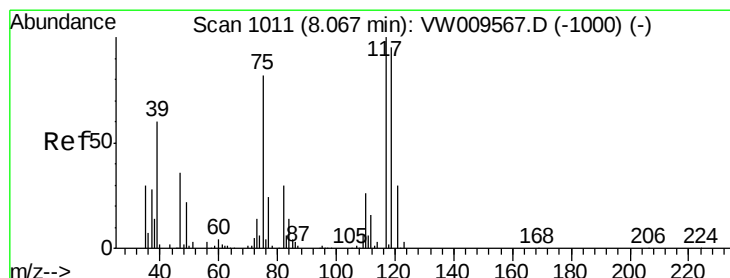
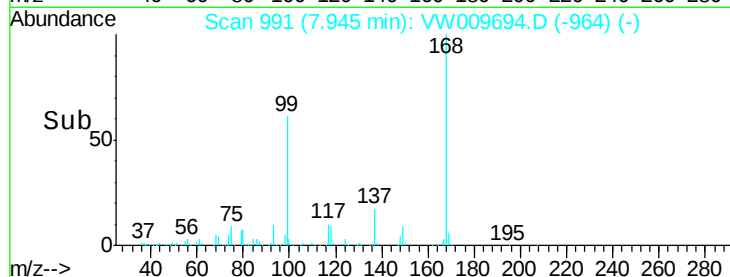
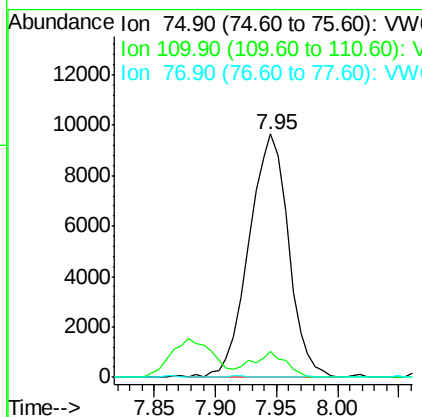
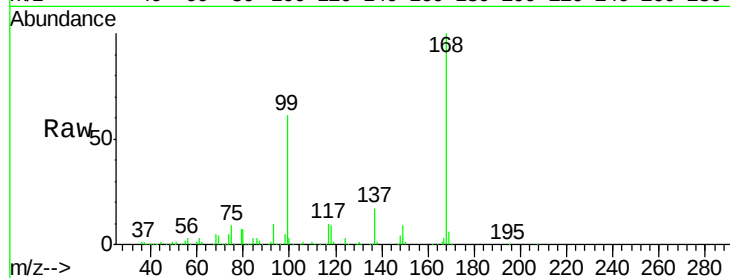




#36
 1,1-Dichloropropene
 Concen: 5.810 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009694.D
 Acq: 04 Apr 2019 14:11

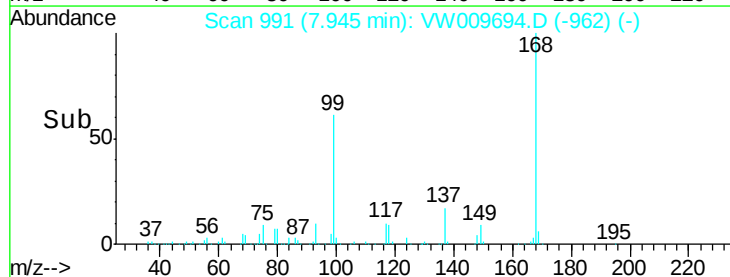
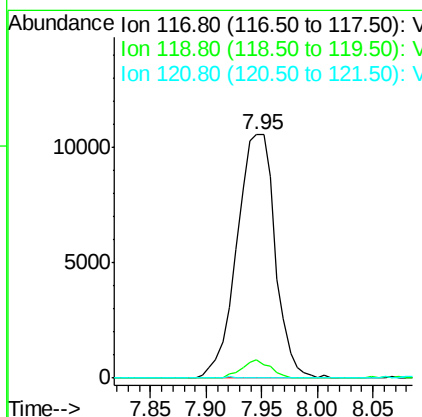
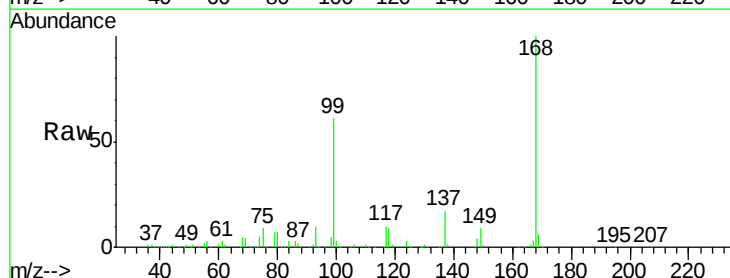
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 SSSI-0401-S-DH-3RE

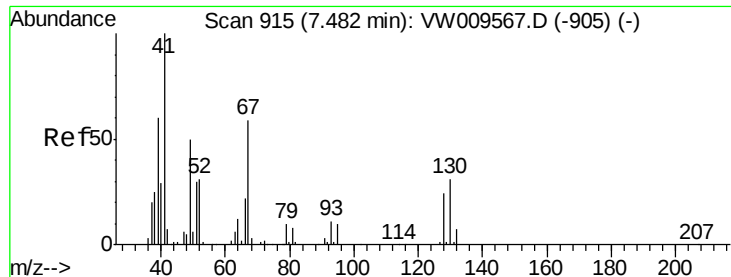
Tgt Ion: 75 Resp: 21747
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.8 50.4#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.572 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009694.D
 Acq: 04 Apr 2019 14:11

Tgt Ion: 117 Resp: 25207
 Ion Ratio Lower Upper
 117 100
 119 7.3 75.4 113.0#
 121 0.0 24.9 37.3#

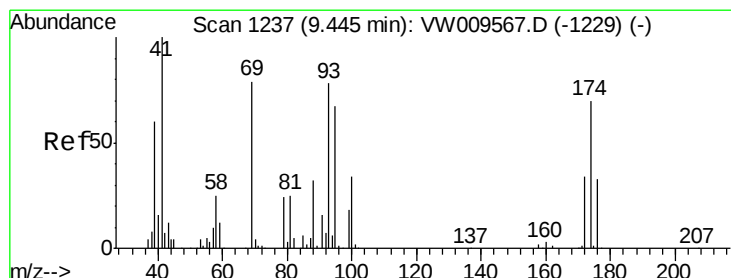
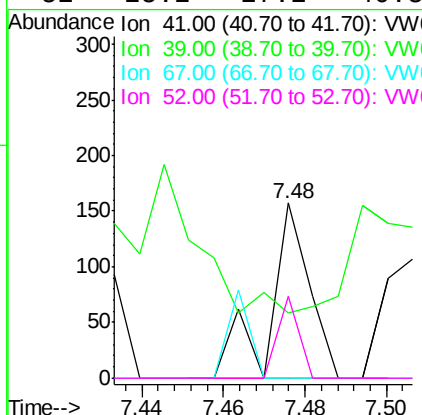
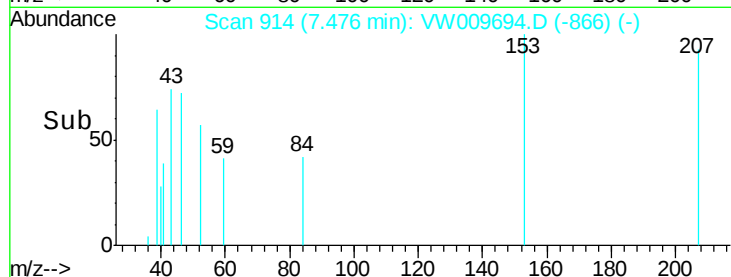
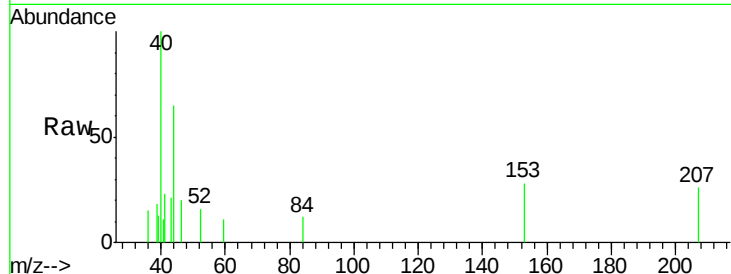




#41
Methacrylonitrile
Concen: 4.007 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009694.D
Acq: 04 Apr 2019 14:11

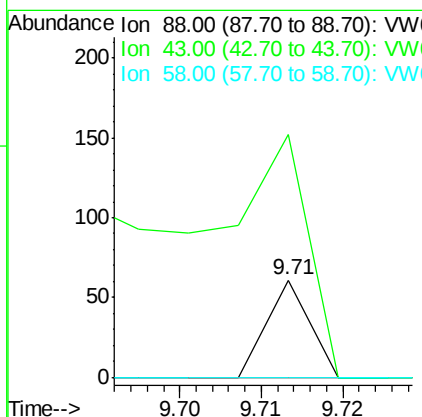
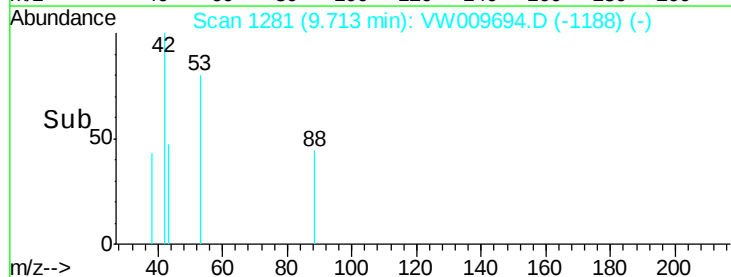
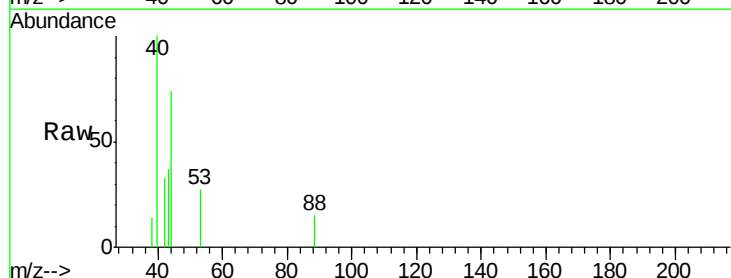
Instrument :
MSVOA_W
ClientSampleId :
SSSI-0401-S-DH-3RE

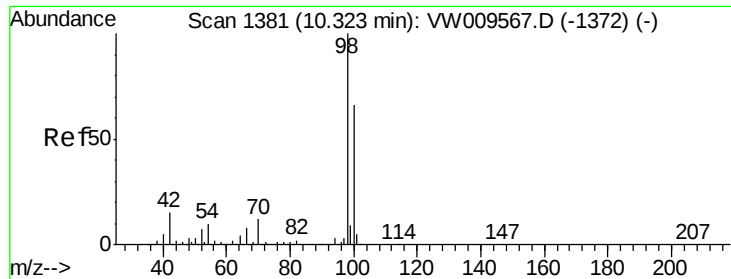
Tgt Ion: 41 Resp: 107
Ion Ratio Lower Upper
41 100
39 0.0 52.5 78.7#
67 27.1 56.6 84.8#
52 25.2 27.2 40.8#



#49
1,4-Dioxane
Concen: 1.051 ug/l
RT: 9.71 min Scan# 1281
Delta R.T. 0.27 min
Lab File: VW009694.D
Acq: 04 Apr 2019 14:11

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 29.7 44.5#
58 0.0 58.1 87.1#





#50

Toluene-d8

Concen: 40.525 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

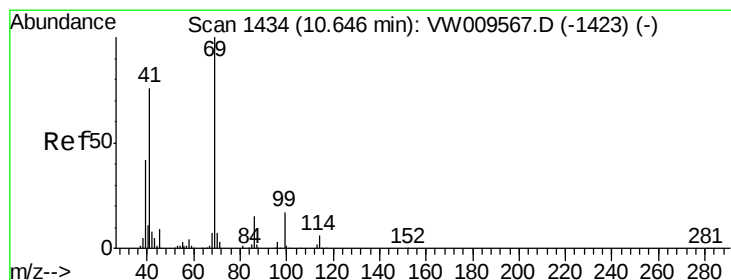
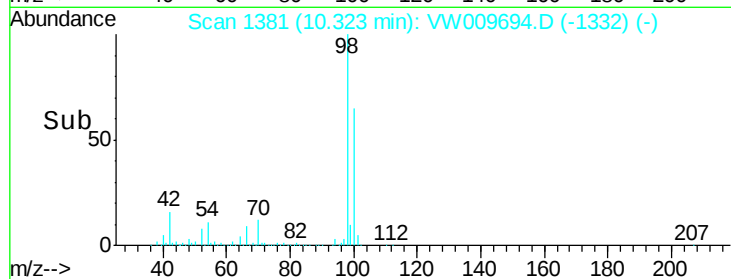
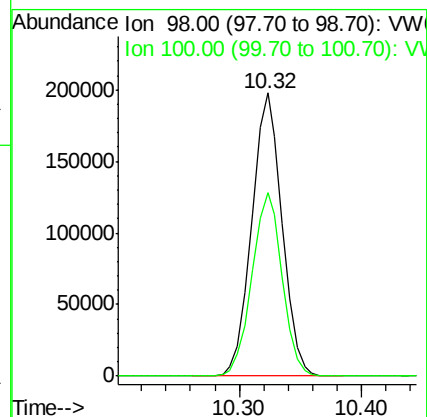
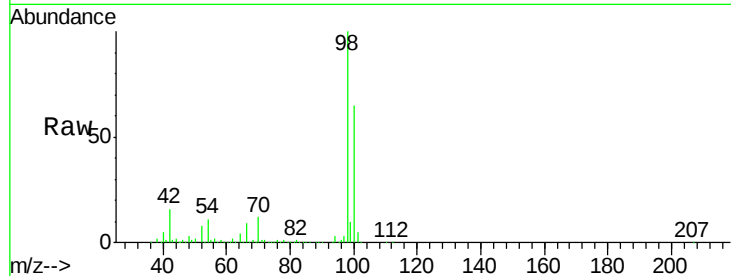
SSSI-0401-S-DH-3RE

Tgt Ion: 98 Resp: 340443

Ion Ratio Lower Upper

98 100

100 64.8 52.6 79.0



#56

Ethyl methacrylate

Concen: 3.806 ug/l

RT: 10.49 min Scan# 1408

Delta R.T. -0.16 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

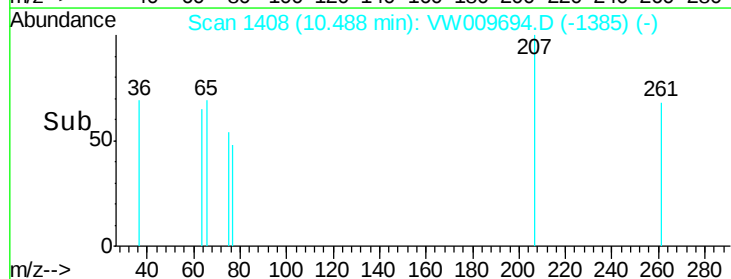
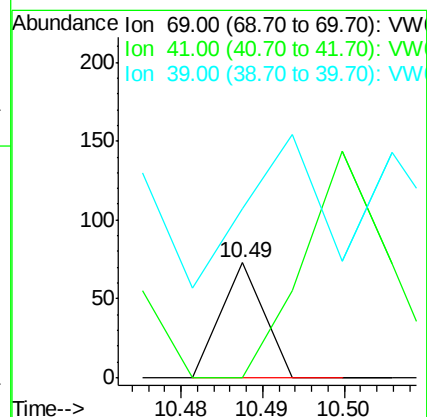
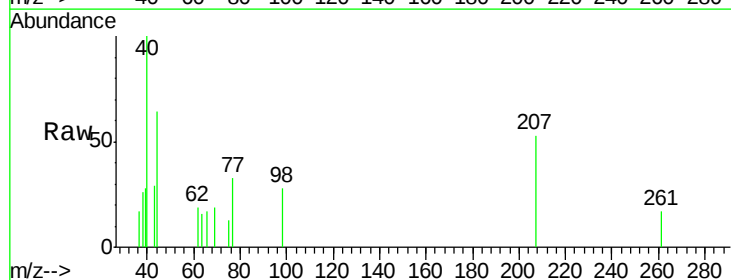
Tgt Ion: 69 Resp: 27

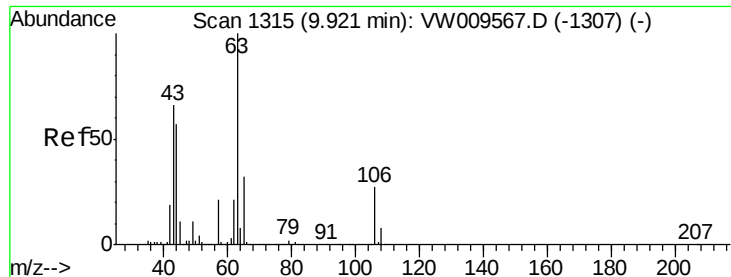
Ion Ratio Lower Upper

69 100

41 366.7 59.3 88.9#

39 792.6 36.2 54.2#

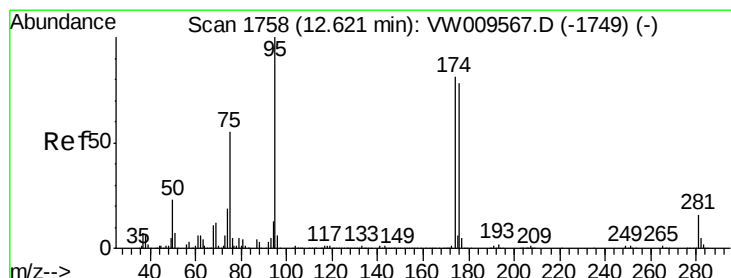
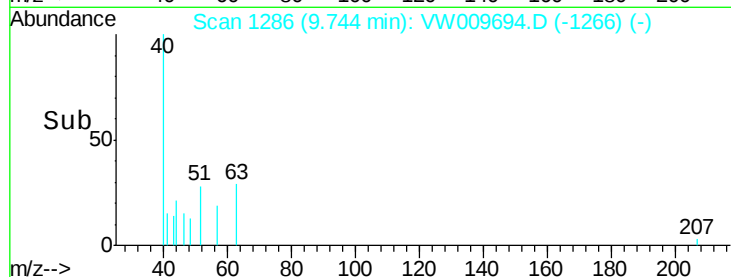
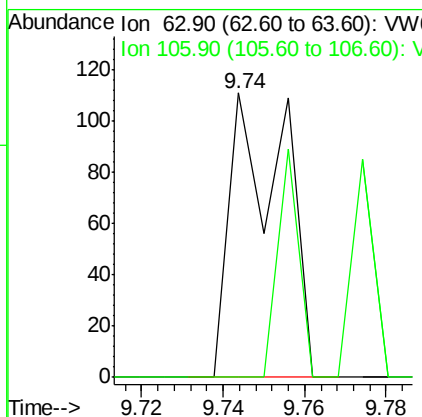
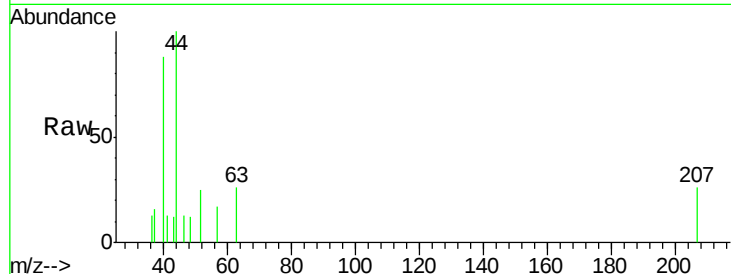




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.091 ug/l
 RT: 9.74 min Scan# 1286
 Delta R.T. -0.18 min
 Lab File: VW009694.D
 Acq: 04 Apr 2019 14:11

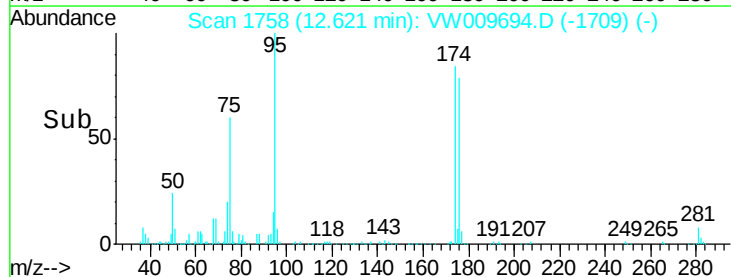
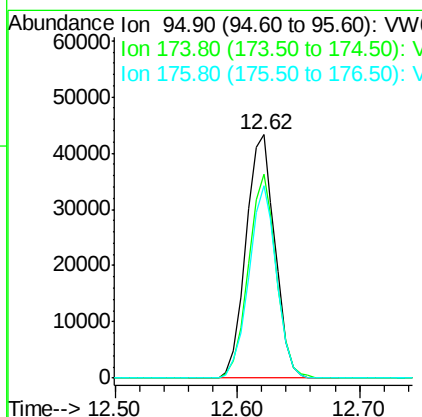
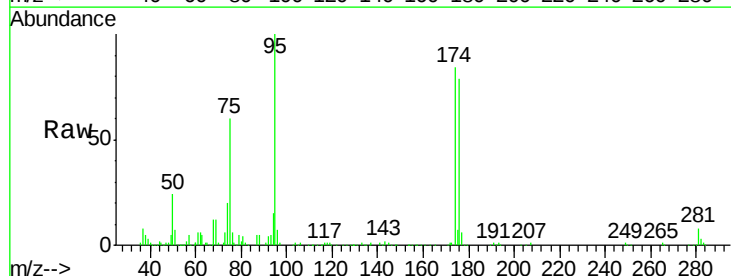
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-0401-S-DH-3RE

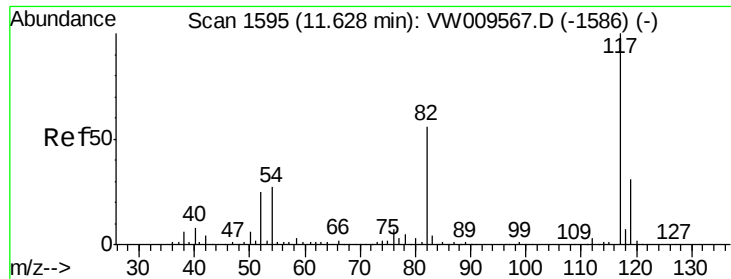
Tgt Ion: 63 Resp: 101
 Ion Ratio Lower Upper
 63 100
 106 32.7 22.9 34.3



#62
 4-Bromofluorobenzene
 Concen: 22.734 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009694.D
 Acq: 04 Apr 2019 14:11

Tgt Ion: 95 Resp: 71247
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 168.4
 176 75.6 0.0 161.6

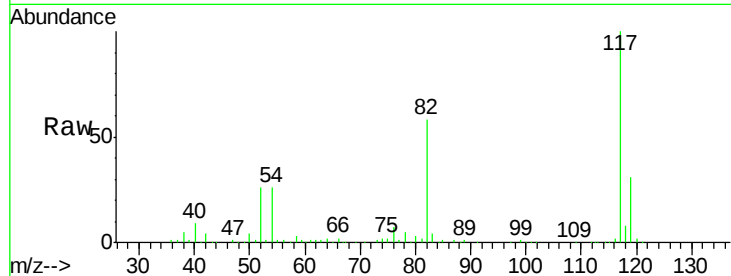




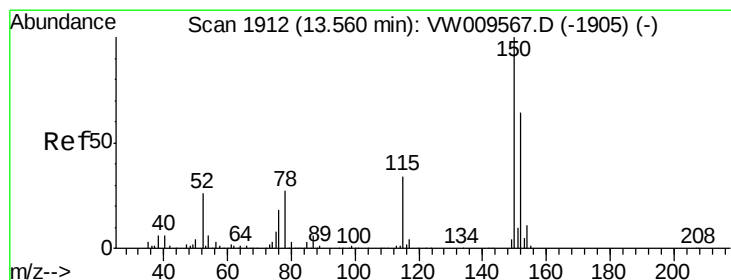
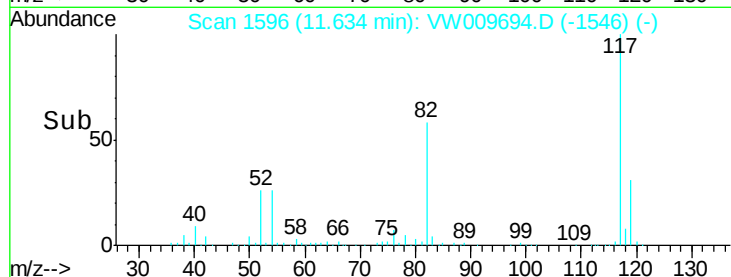
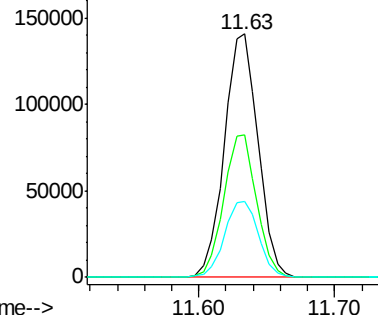
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009694.D
Acq: 04 Apr 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
SSSI-0401-S-DH-3RE

Tgt Ion:117 Resp: 244800
Ion Ratio Lower Upper
117 100
82 58.4 43.6 65.4
119 31.1 26.0 39.0

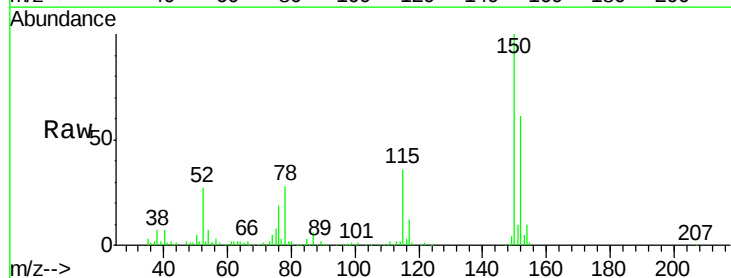


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

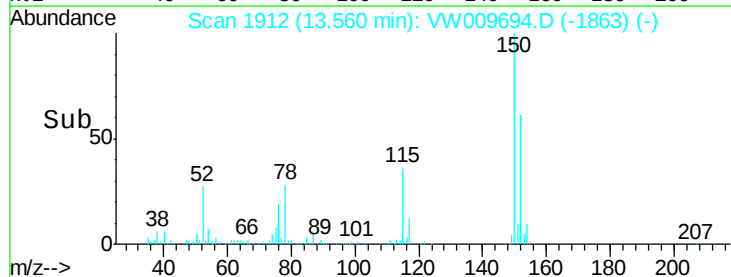
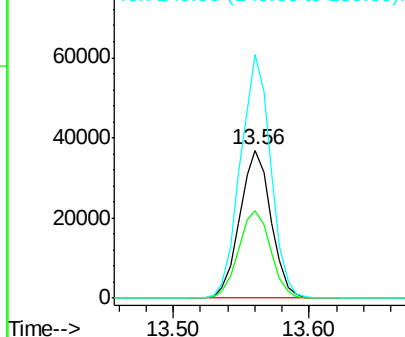


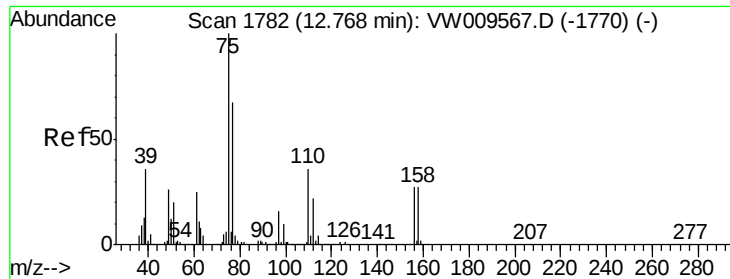
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009694.D
Acq: 04 Apr 2019 14:11

Tgt Ion:152 Resp: 58981
Ion Ratio Lower Upper
152 100
115 61.0 29.6 88.8
150 159.9 0.0 349.2



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: 74.732 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

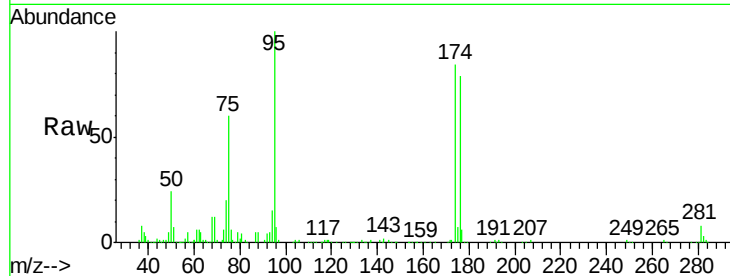
SSSI-0401-S-DH-3RE

Tgt Ion: 75 Resp: 41450

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

25000

20000

15000

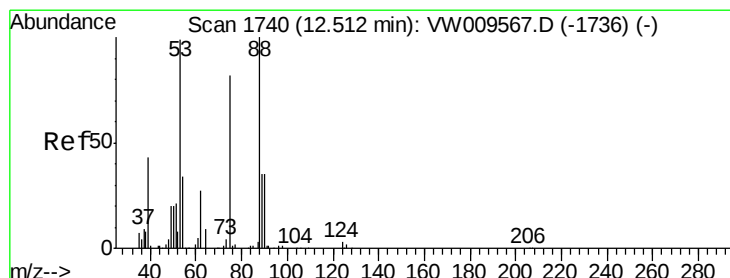
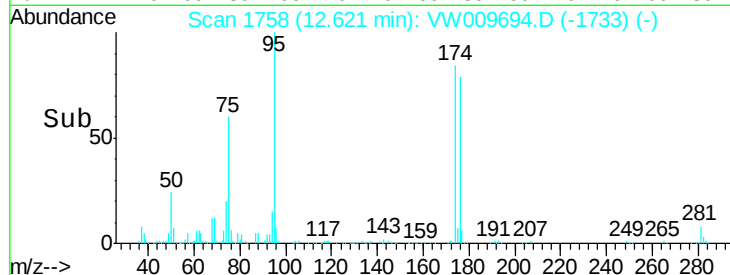
10000

5000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 173.787 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

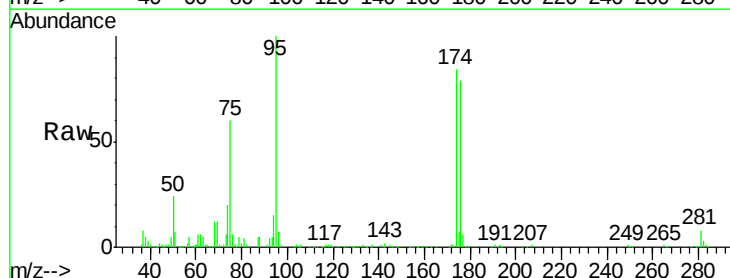
Tgt Ion: 75 Resp: 41450

Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

12.62

30000

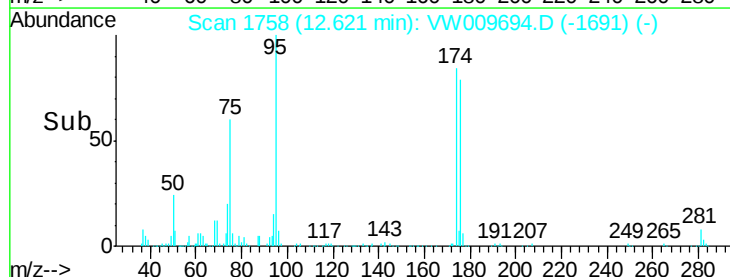
20000

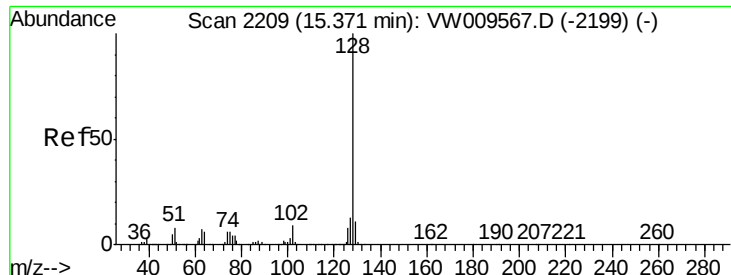
10000

0

12.55 12.60 12.65 12.70

Time-->





#95

Naphthalene

Concen: 3.113 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW009694.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0401-S-DH-3RE

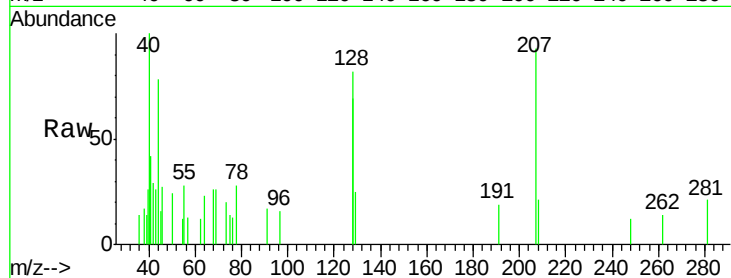
Tgt Ion:128 Resp: 945

Ion Ratio Lower Upper

128 100

127 7.1 10.8 16.2#

129 4.6 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

