

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009572.D
 Acq On : 29 Mar 2019 15:30
 Operator : SY/VA
 Sample : K2155-01
 Misc : 5.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-0328-S-DH-5-T

Quant Time: Mar 29 15:51:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:17:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133320	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	130114	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	7.88	113	118719	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	10.32	98	388726	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.62	95	124199	39.70	ug/l	0.00
Spiked Amount			Recovery	=	79.40%	

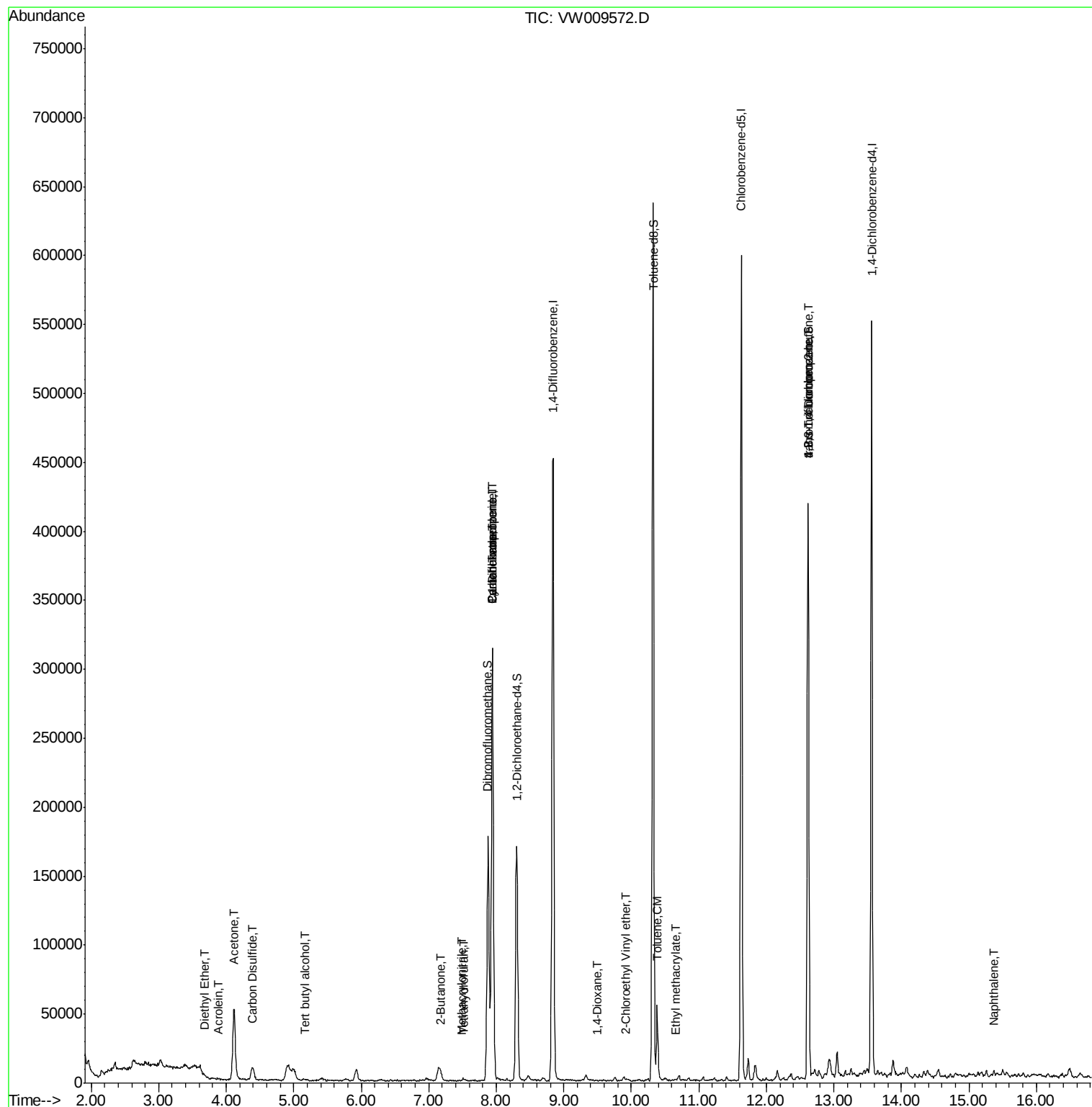
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	117	Below Cal	#	41
8) Diethyl Ether	3.68	74	1518	1.347	ug/l	71
11) Tert butyl alcohol	5.17	59	908	6.273	ug/l #	70
13) Acrolein	3.89	56	379	3.570	ug/l	95
16) Acetone	4.12	43	92137	164.159	ug/l	94
17) Carbon Disulfide	4.38	76	6054	1.010	ug/l #	95
25) 2-Butanone	7.18	43	9535	12.294	ug/l #	90
29) Tetrahydrofuran	7.52	42	778	1.615	ug/l #	64
31) Cyclohexane	7.94	56	6569	1.599	ug/l #	49
36) 1,1-Dichloropropene	7.95	75	19238	5.149	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23383	6.108	ug/l #	18
41) Methacrylonitrile	7.49	41	399	4.240	ug/l #	37
49) 1,4-Dioxane	9.50	88	27	1.292	ug/l #	1
52) Toluene	10.38	92	21026	3.318	ug/l	98
56) Ethyl methacrylate	10.65	69	276	3.894	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	465	17.359	ug/l #	78
76) 1,2,3-Trichloropropane	12.62	75	69717	29.519	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69717	129.315	ug/l #	7
95) Naphthalene	15.37	128	3799	3.418	ug/l #	94

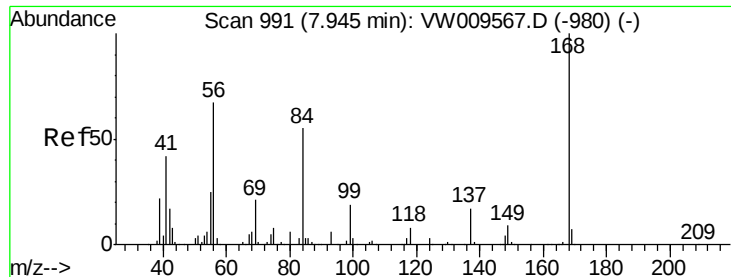
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:17:27 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: VW009572.D

Acq: 29 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

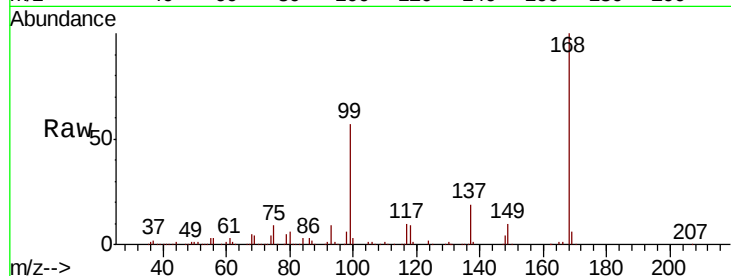
SSSI-0328-S-DH-5-T

Tgt Ion:168 Resp: 218302

Ion Ratio Lower Upper

168 100

99 57.2 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

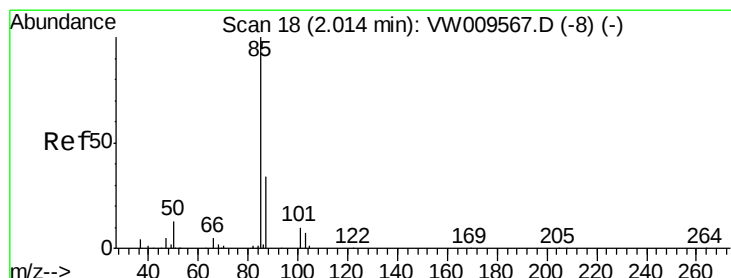
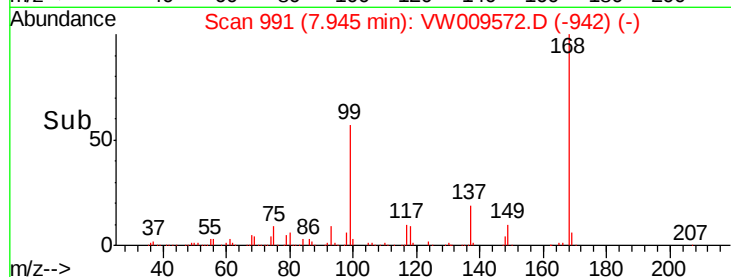
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW009572.D

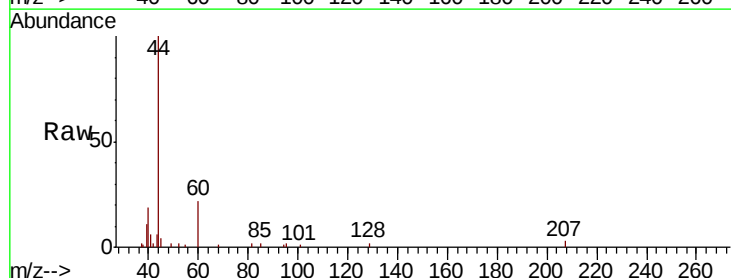
Acq: 29 Mar 2019 15:30

Tgt Ion: 85 Resp: 117

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

100

80

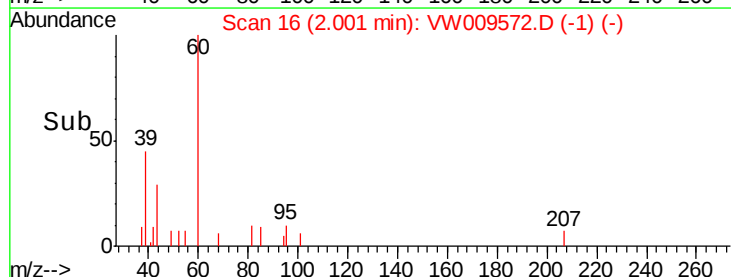
60

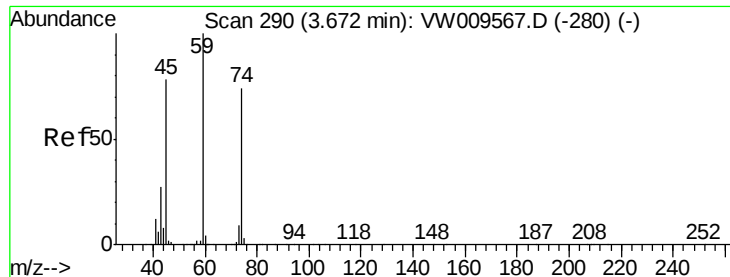
40

20

0

Time-->





#8

Diethyl Ether

Concen: 1.347 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

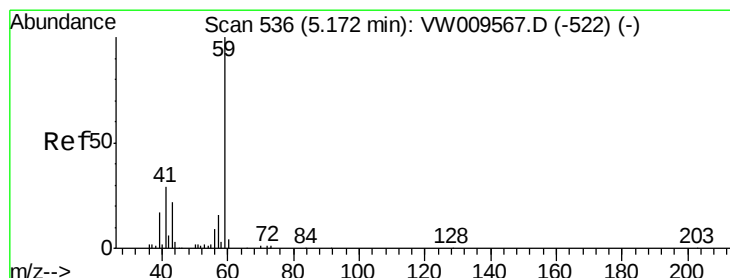
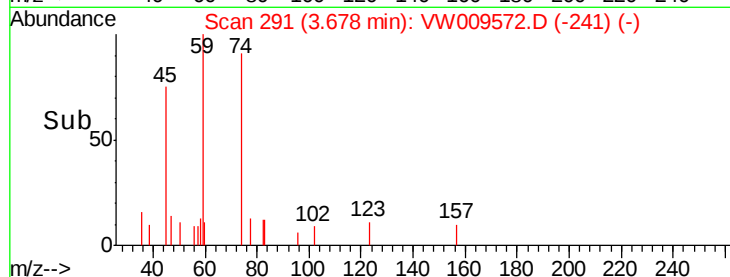
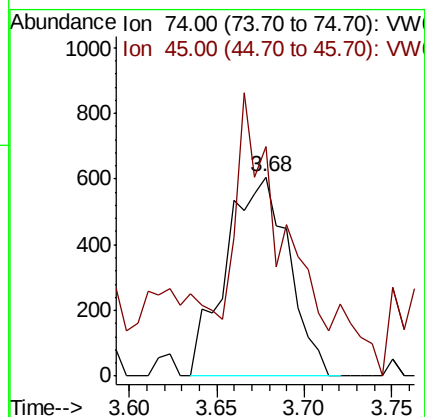
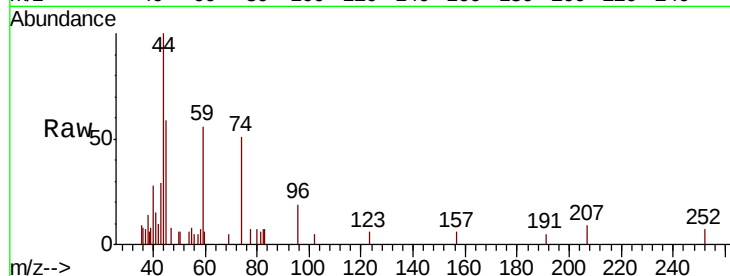
SSSI-0328-S-DH-5-T

Tgt Ion: 74 Resp: 1518

Ion Ratio Lower Upper

74 100

45 72.5 50.6 151.9



#11

Tert butyl alcohol

Concen: 6.273 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW009572.D

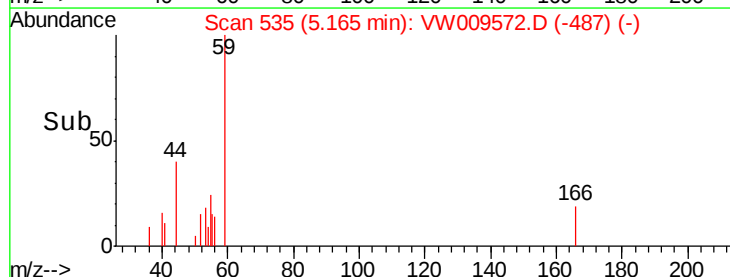
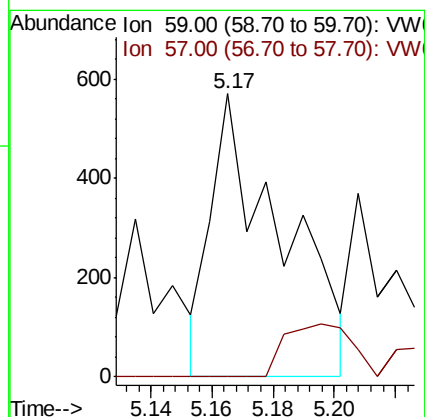
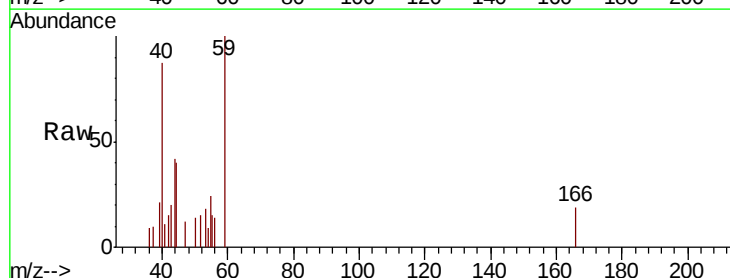
Acq: 29 Mar 2019 15:30

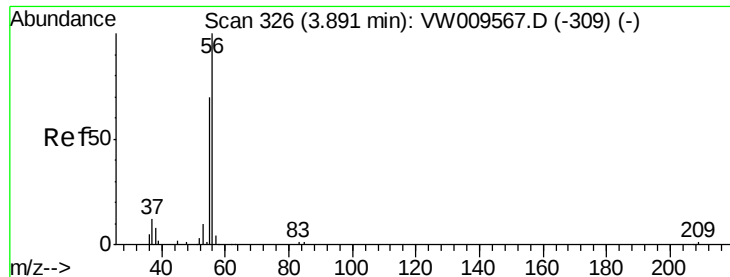
Tgt Ion: 59 Resp: 908

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.0#





#13

Acrolein

Concen: 3.570 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

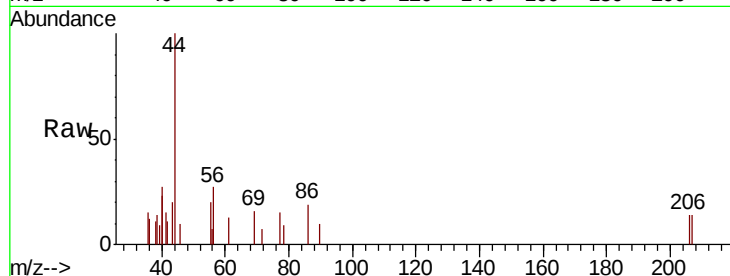
SSSI-0328-S-DH-5-T

Tgt Ion: 56 Resp: 379

Ion Ratio Lower Upper

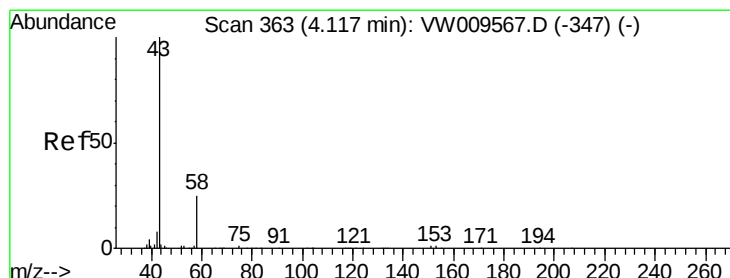
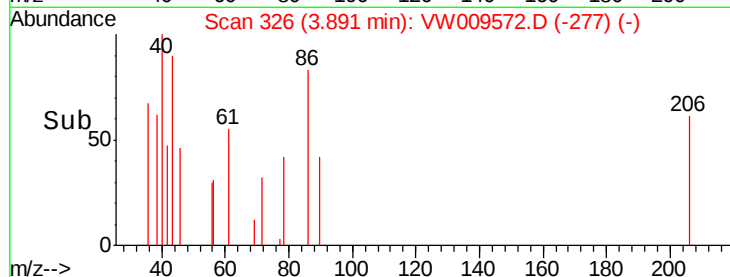
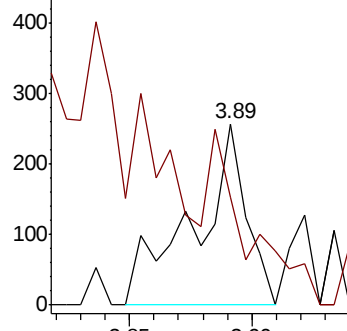
56 100

55 73.1 55.2 82.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 164.159 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009572.D

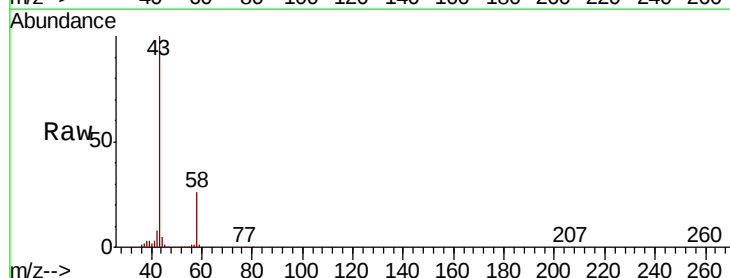
Acq: 29 Mar 2019 15:30

Tgt Ion: 43 Resp: 92137

Ion Ratio Lower Upper

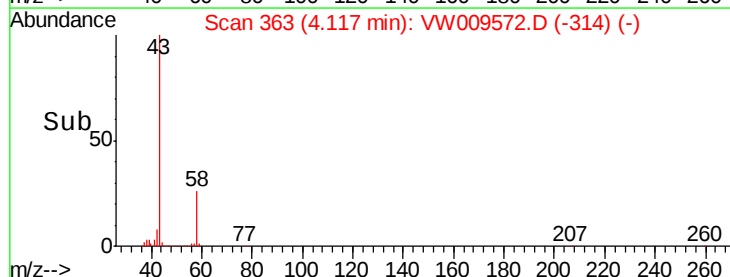
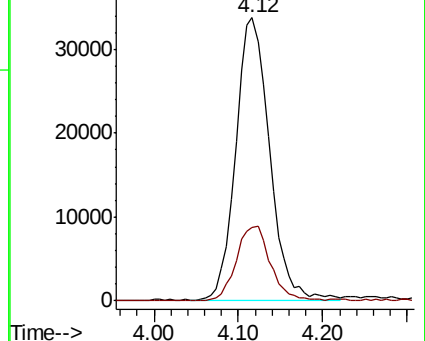
43 100

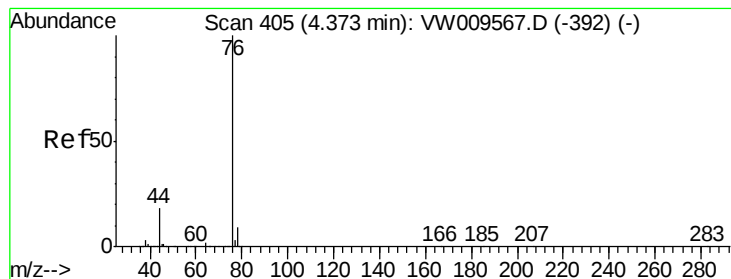
58 26.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.010 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

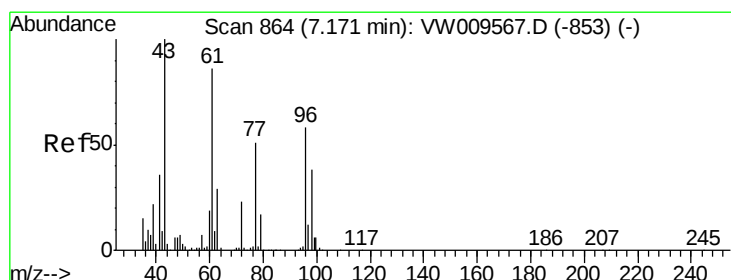
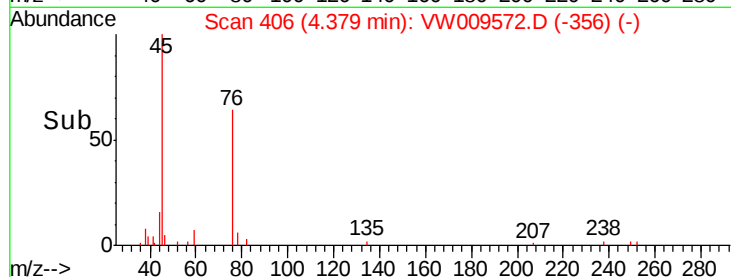
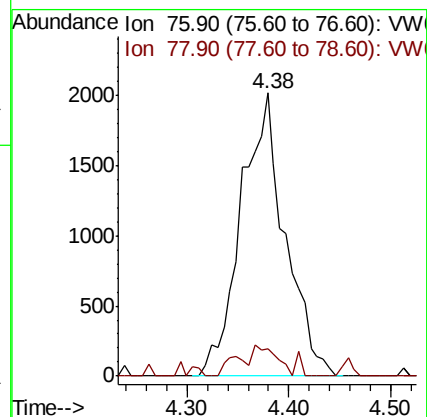
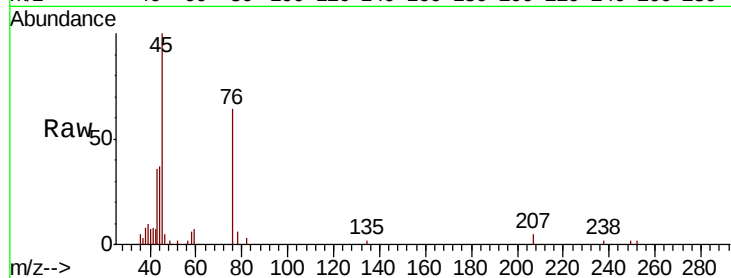
SSSI-0328-S-DH-5-T

Tgt Ion: 76 Resp: 6054

Ion Ratio Lower Upper

76 100

78 6.4 6.6 9.8#



#25

2-Butanone

Concen: 12.294 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009572.D

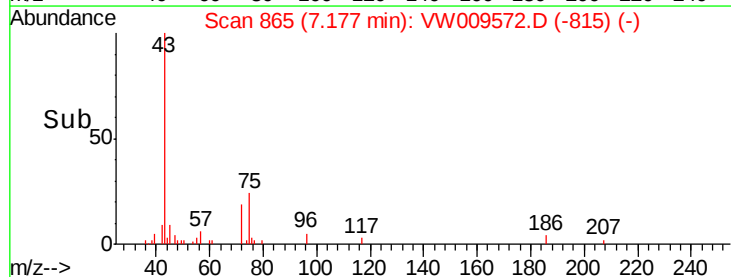
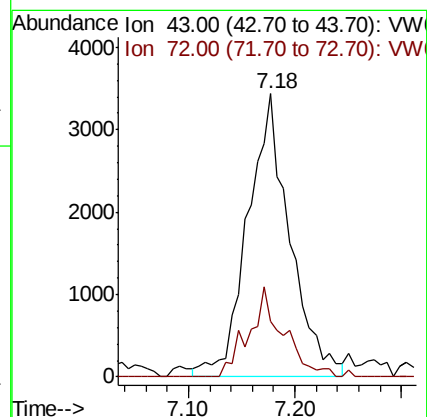
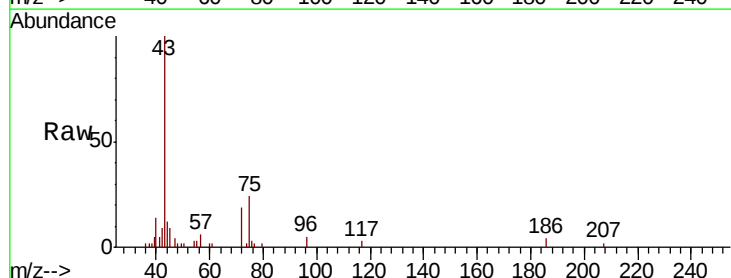
Acq: 29 Mar 2019 15:30

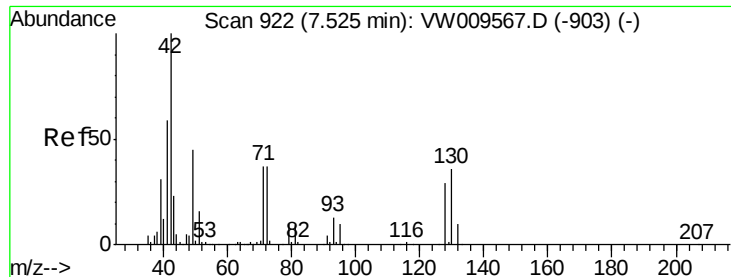
Tgt Ion: 43 Resp: 9535

Ion Ratio Lower Upper

43 100

72 20.0 20.0 30.0#

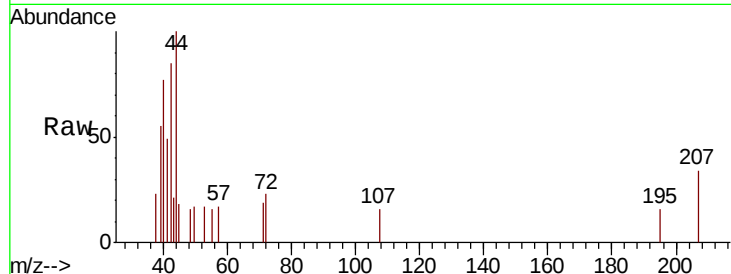




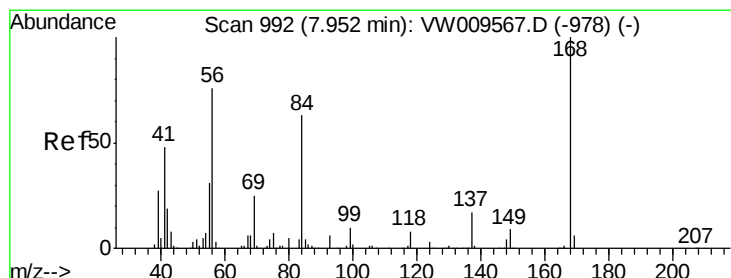
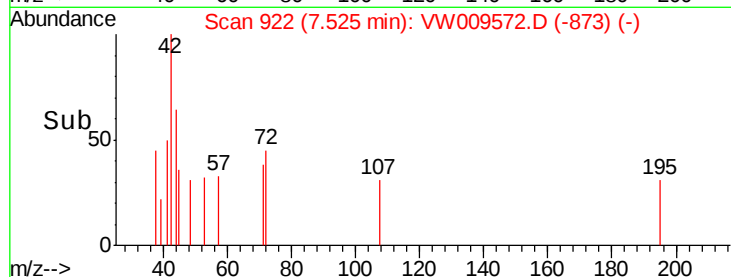
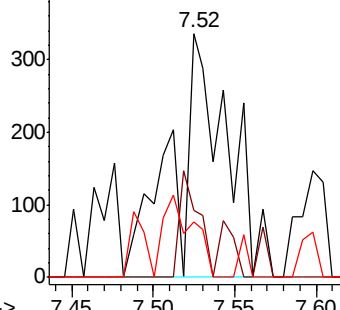
#29
Tetrahydrofuran
Concen: 1.615 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
SSSI-0328-S-DH-5-T

Tgt Ion: 42 Resp: 778
Ion Ratio Lower Upper
42 100
72 15.3 32.4 48.6#
71 18.8 30.1 45.1#

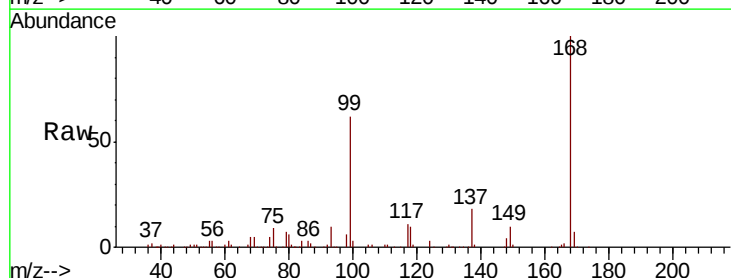


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

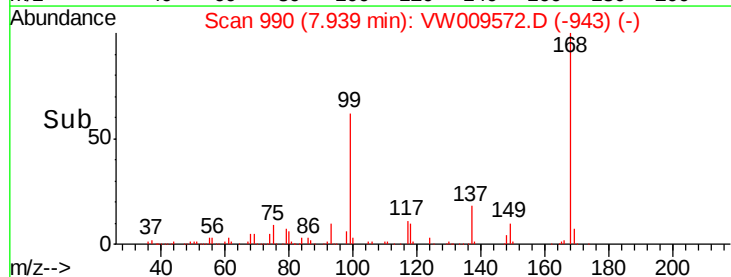
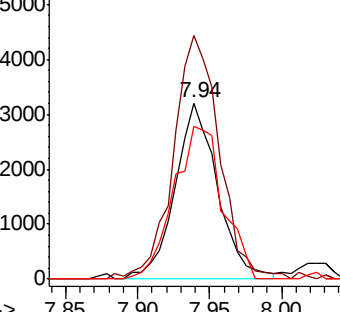


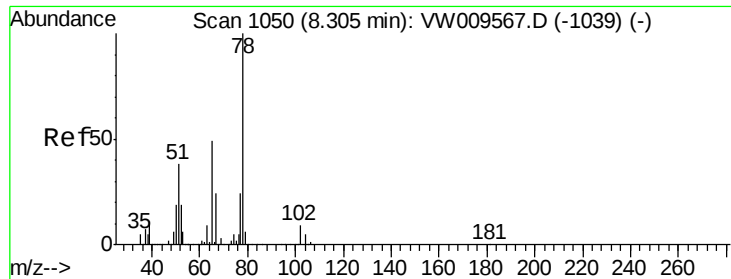
#31
Cyclohexane
Concen: 1.599 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

Tgt Ion: 56 Resp: 6569
Ion Ratio Lower Upper
56 100
69 136.5 26.1 39.1#
84 86.5 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: 52.121 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

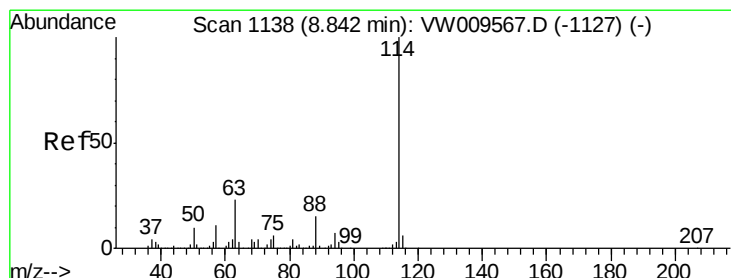
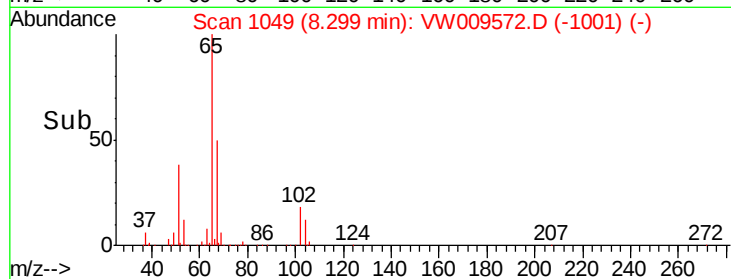
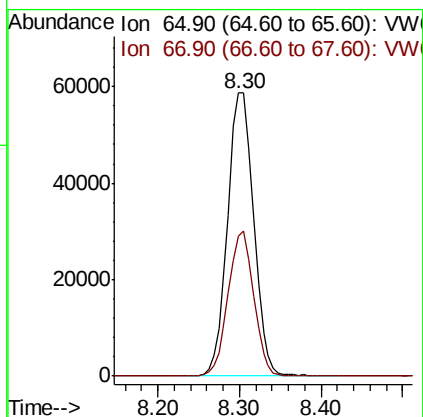
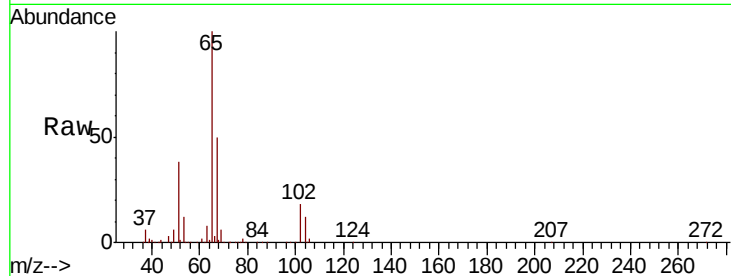
SSSI-0328-S-DH-5-T

Tgt Ion: 65 Resp: 130114

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: VW009572.D

Acq: 29 Mar 2019 15:30

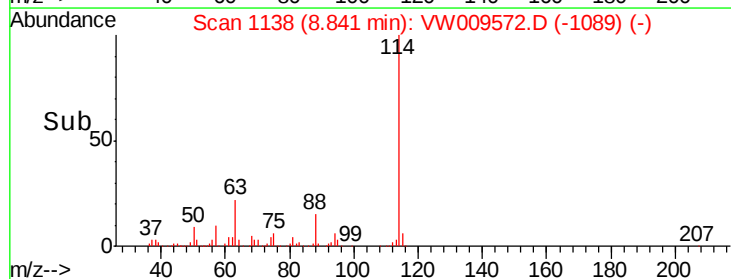
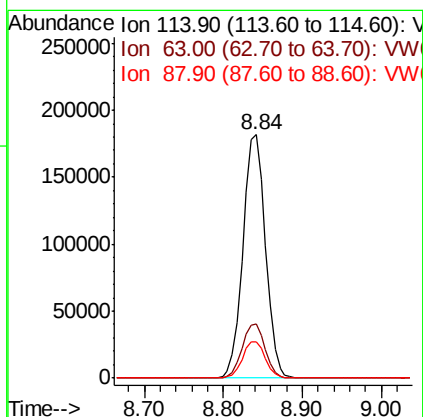
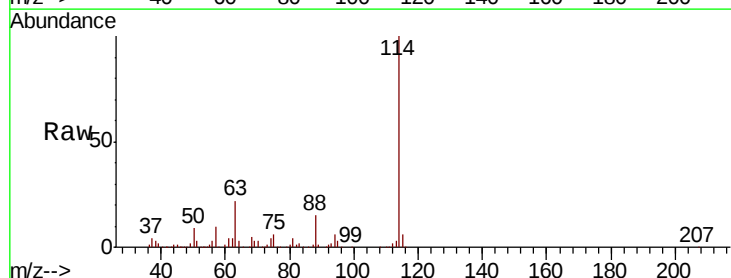
Tgt Ion: 114 Resp: 361234

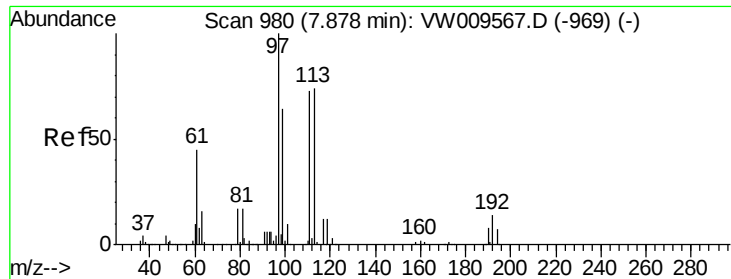
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.2

88 14.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.326 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0328-S-DH-5-T

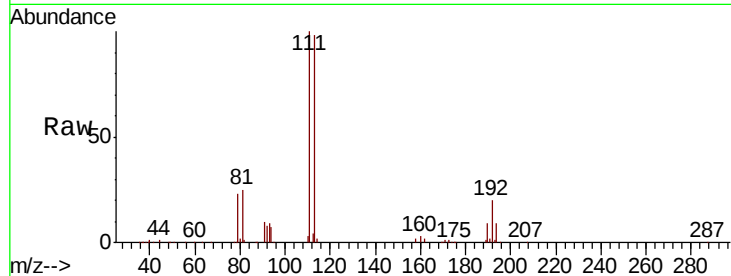
Tgt Ion:113 Resp: 118719

Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

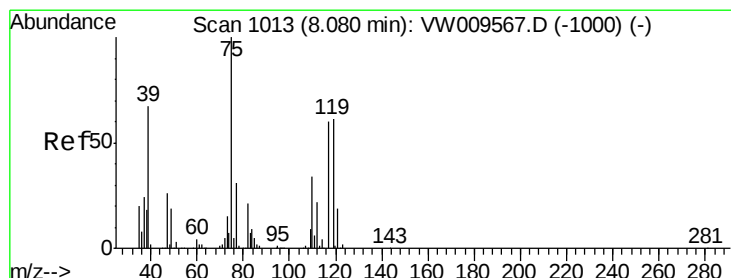
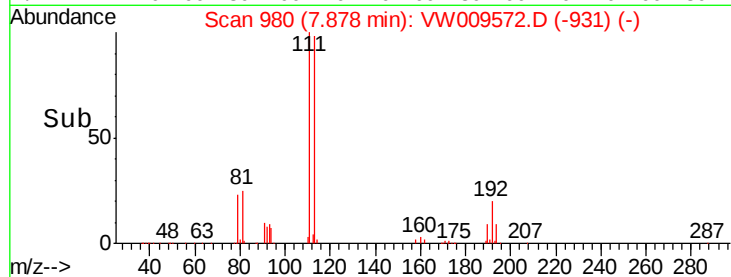
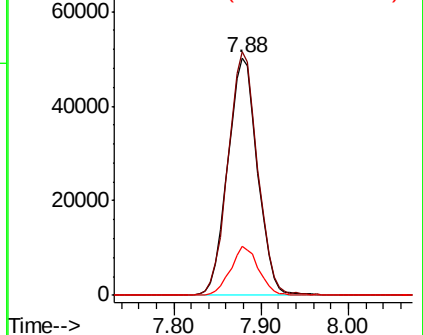
192 19.6 16.4 24.6



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: 5.149 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

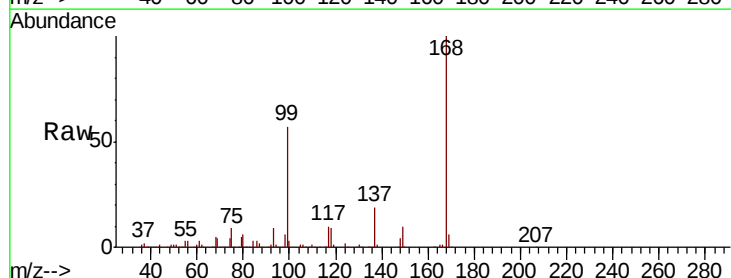
Tgt Ion: 75 Resp: 19238

Ion Ratio Lower Upper

75 100

110 10.1 16.8 50.4#

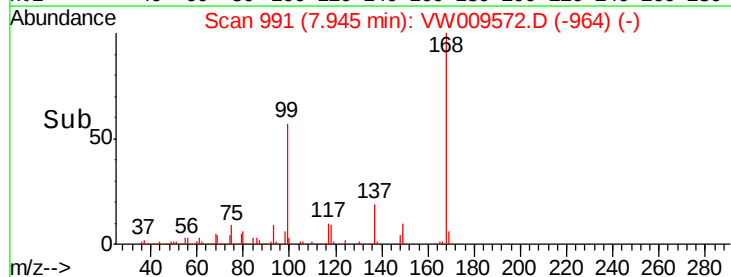
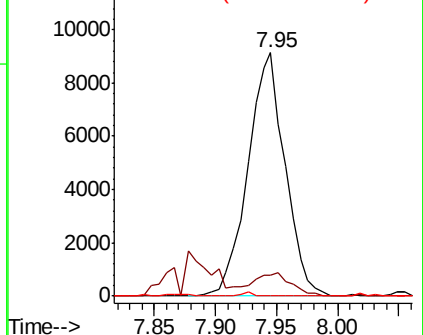
77 0.0 24.6 36.8#

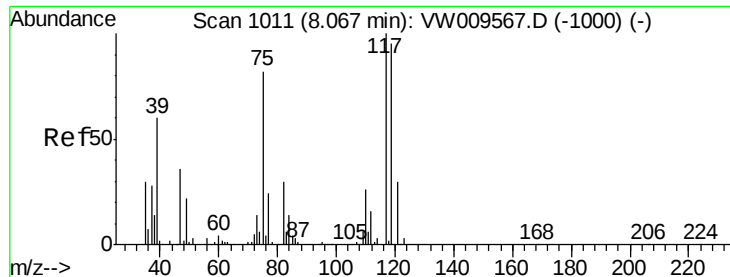


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

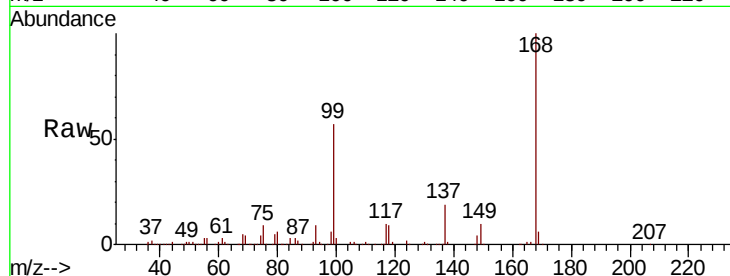




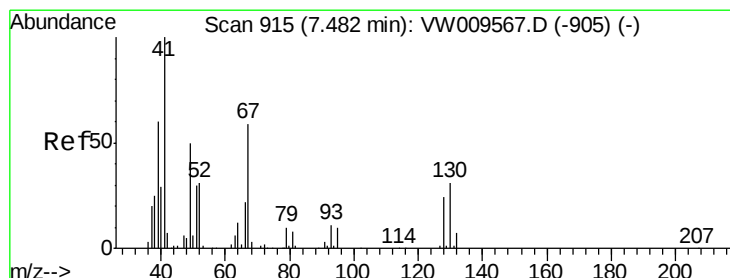
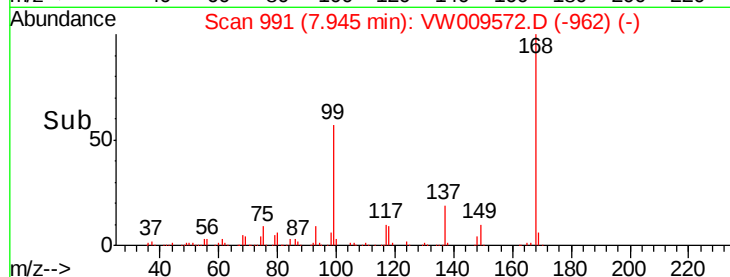
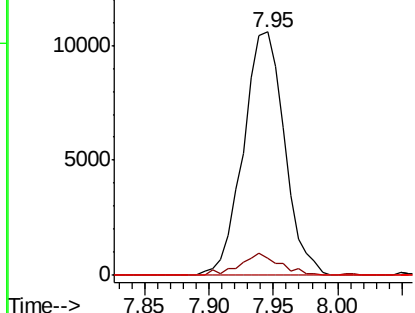
#38
Carbon Tetrachloride
Concen: 6.108 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
SSSI-0328-S-DH-5-T

Tgt Ion: 117 Resp: 23383
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.0#
121 0.0 24.9 37.3#

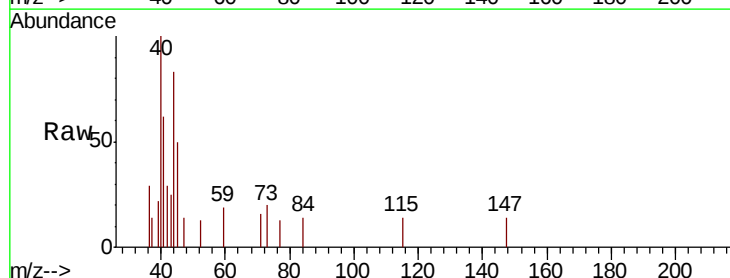


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

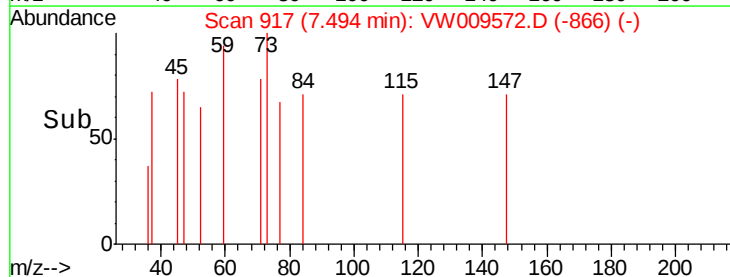
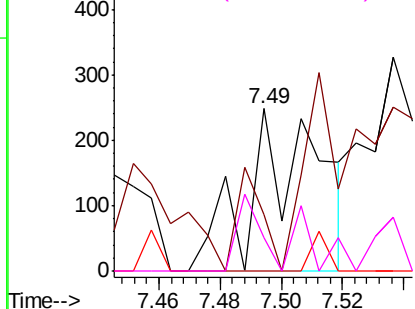


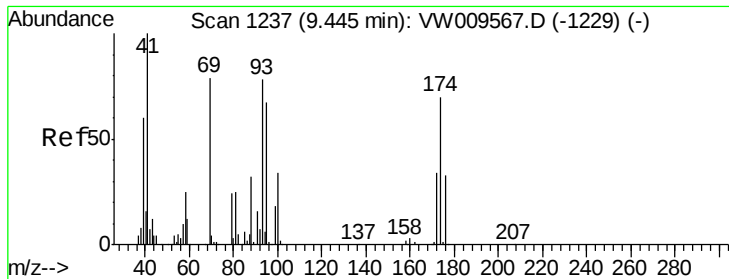
#41
Methacrylonitrile
Concen: 4.240 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

Tgt Ion: 41 Resp: 399
Ion Ratio Lower Upper
41 100
39 22.6 52.5 78.7#
67 0.0 56.6 84.8#
52 15.3 27.2 40.8#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

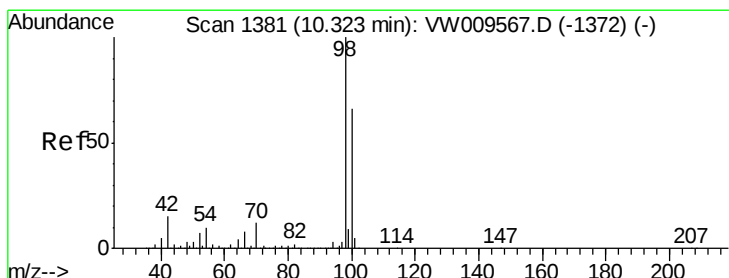
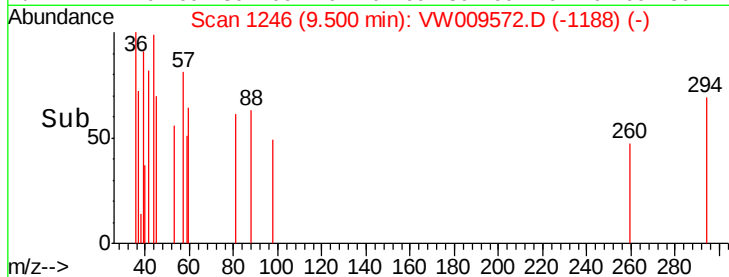
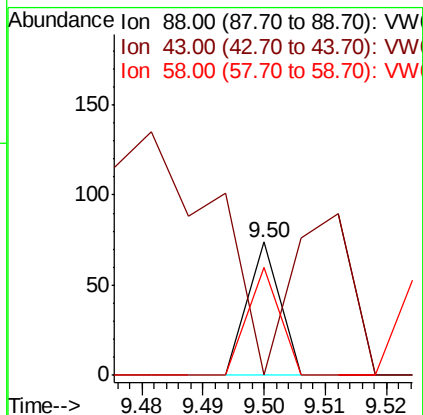
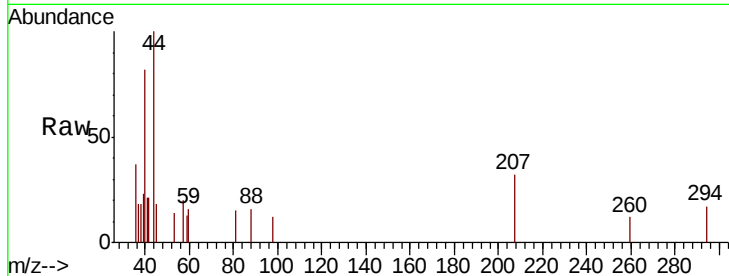




#49
1,4-Dioxane
Concen: 1.292 ug/l
RT: 9.50 min Scan# 1246
Delta R.T. 0.05 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

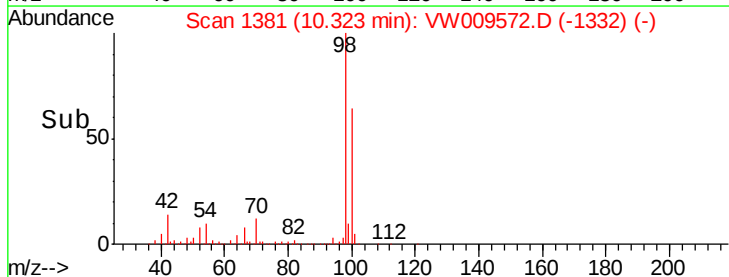
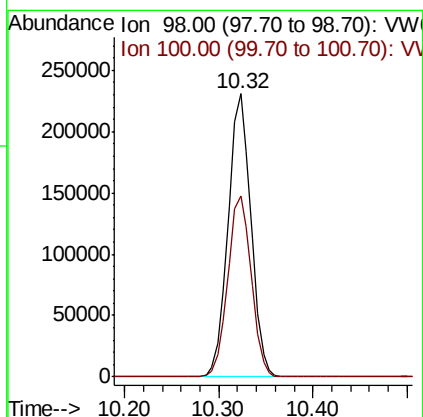
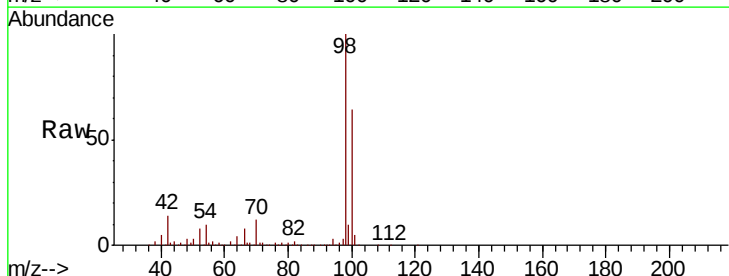
Instrument :
MSVOA_W
ClientSampleId :
SSSI-0328-S-DH-5-T

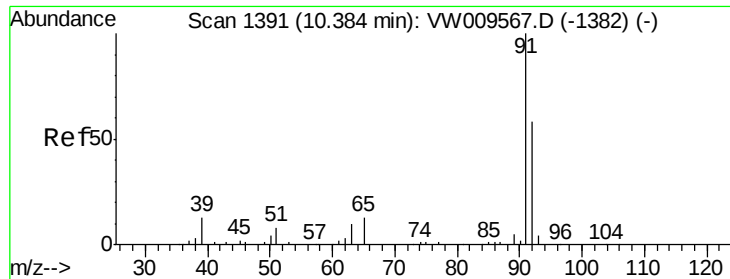
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 225.9 29.7 44.5#
58 81.5 58.1 87.1



#50
Toluene-d8
Concen: 46.355 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

Tgt Ion: 98 Resp: 388726
Ion Ratio Lower Upper
98 100
100 65.5 52.6 79.0





#52

Toluene

Concen: 3.318 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

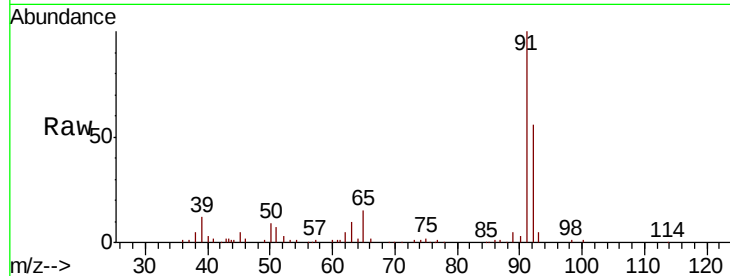
SSSI-0328-S-DH-5-T

Tgt Ion: 92 Resp: 21026

Ion Ratio Lower Upper

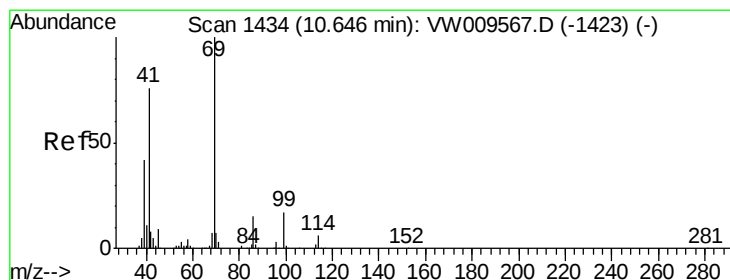
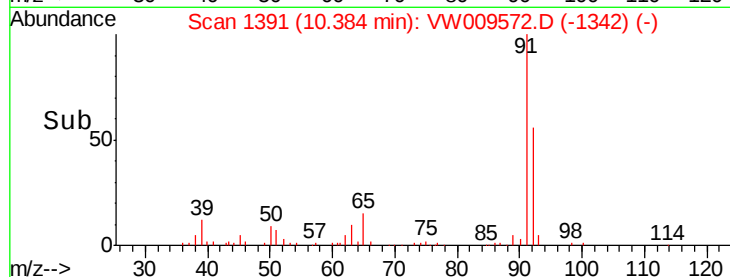
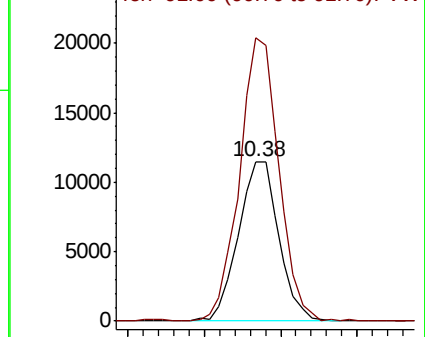
92 100

91 172.6 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#56

Ethyl methacrylate

Concen: 3.894 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

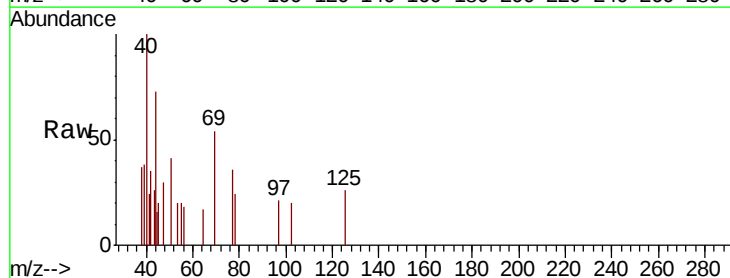
Tgt Ion: 69 Resp: 276

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

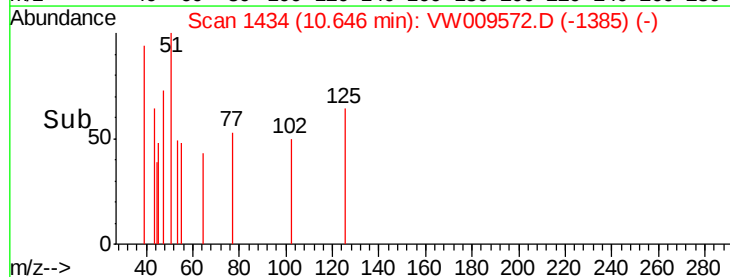
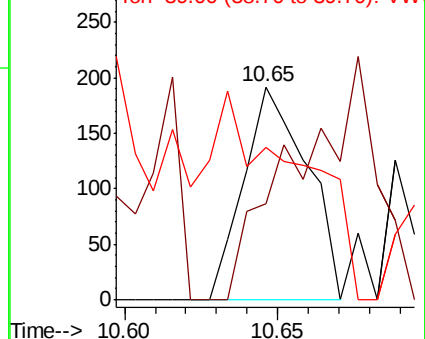
39 138.0 36.2 54.2#

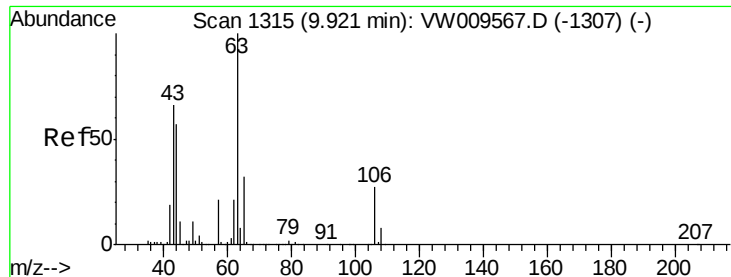


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

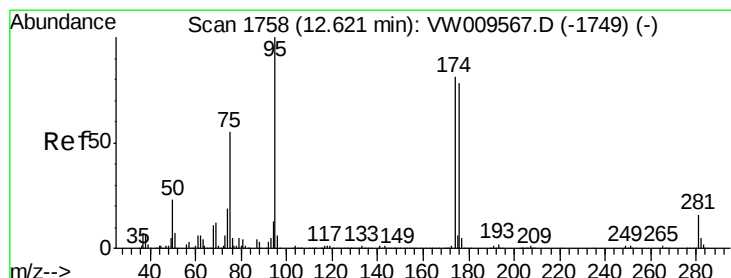
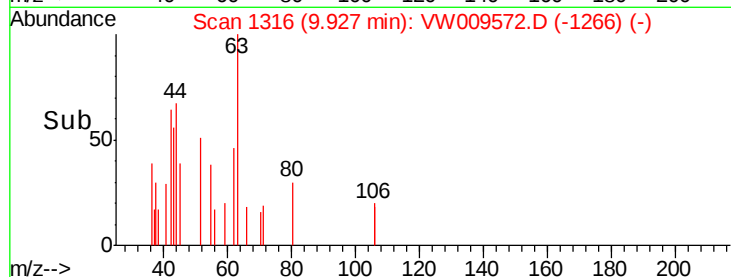
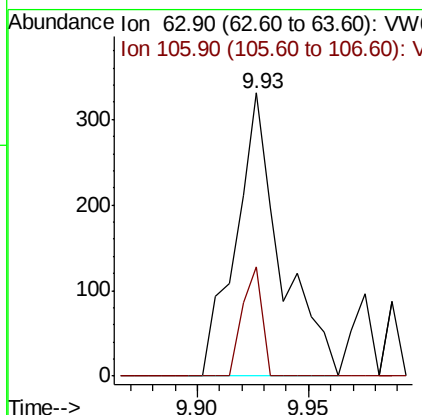
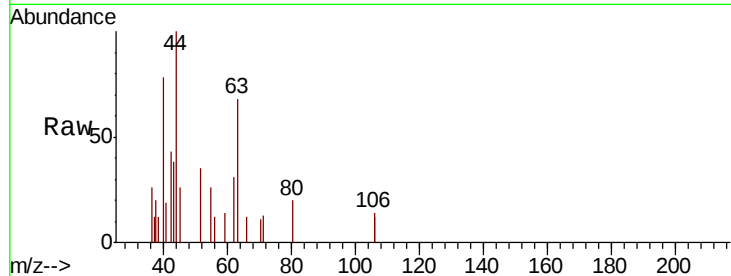




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.359 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW009572.D
 Acq: 29 Mar 2019 15:30

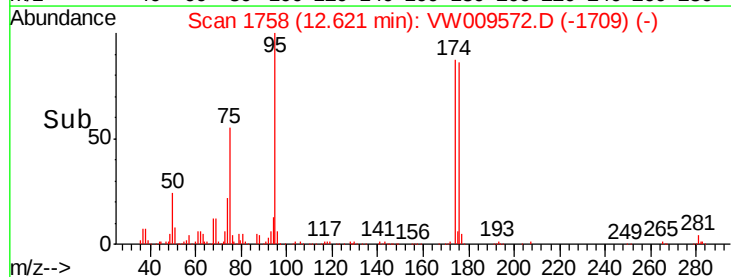
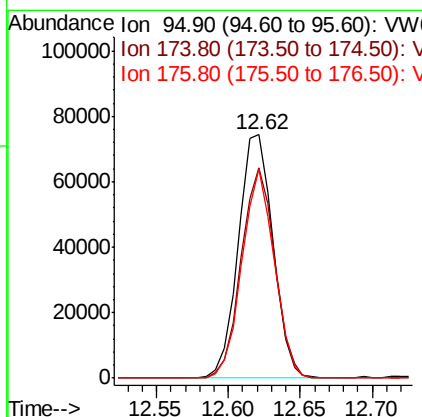
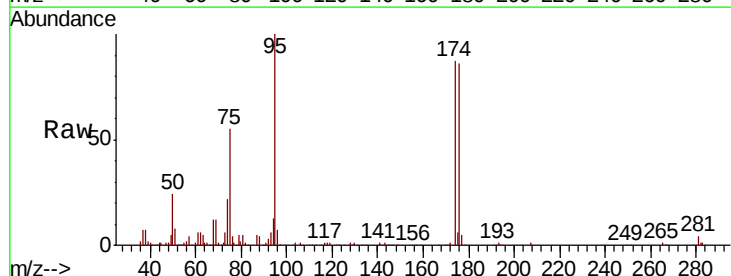
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-0328-S-DH-5-T

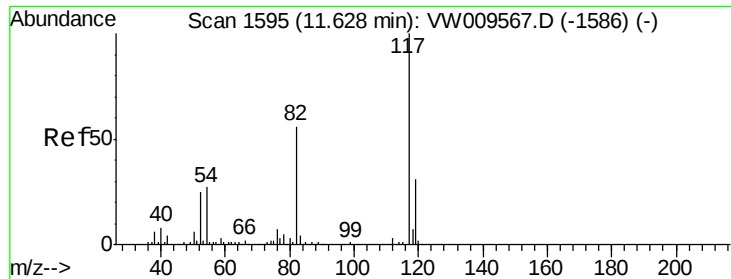
Tgt Ion: 63 Resp: 465
 Ion Ratio Lower Upper
 63 100
 106 16.8 22.9 34.3#



#62
 4-Bromofluorobenzene
 Concen: 39.701 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009572.D
 Acq: 29 Mar 2019 15:30

Tgt Ion: 95 Resp: 124199
 Ion Ratio Lower Upper
 95 100
 174 83.6 0.0 168.4
 176 80.0 0.0 161.6

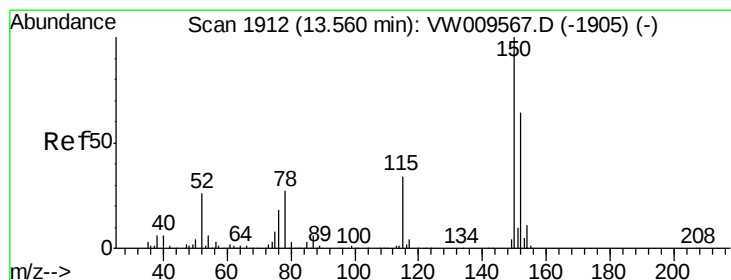
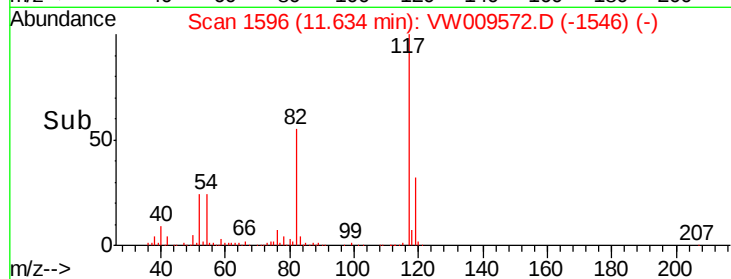
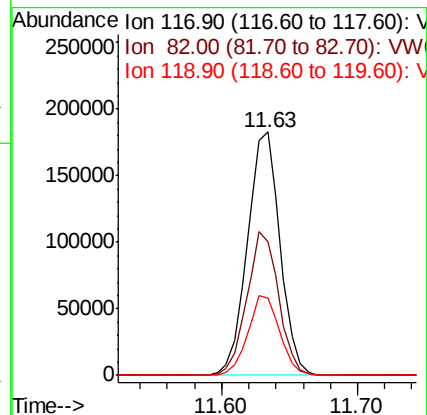
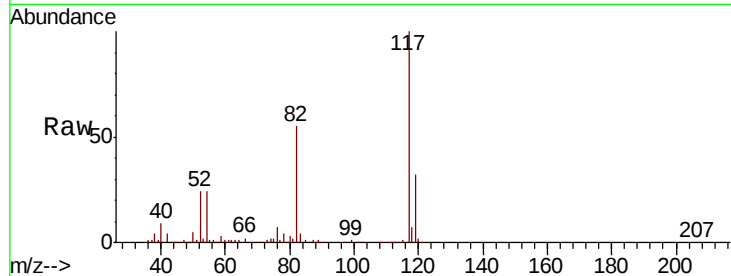




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

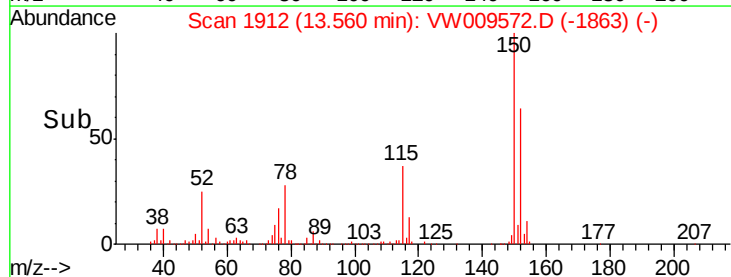
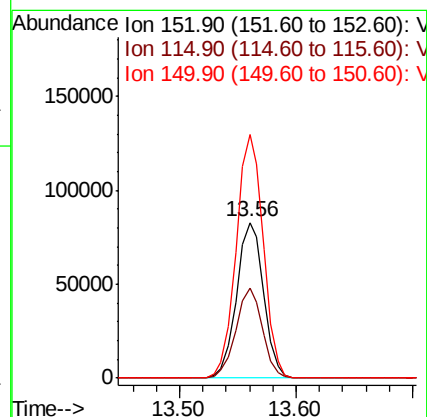
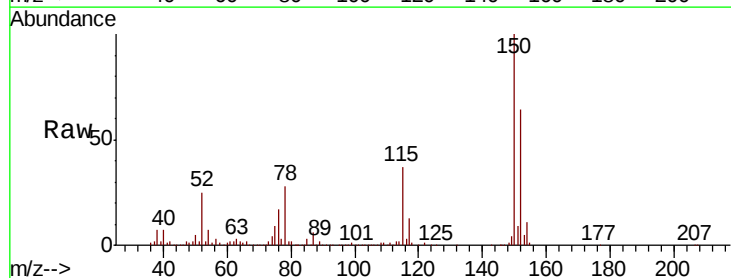
Instrument :
MSVOA_W
ClientSampleId :
SSSI-0328-S-DH-5-T

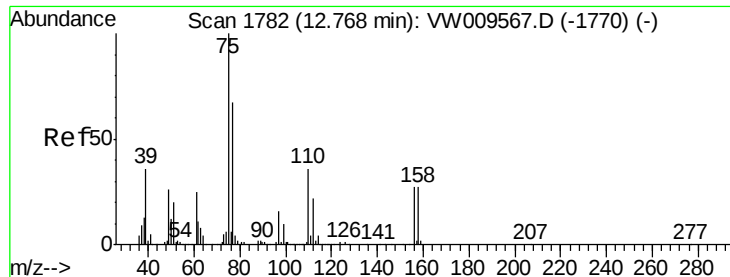
Tgt Ion:117 Resp: 306437
Ion Ratio Lower Upper
117 100
82 54.9 43.6 65.4
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

Tgt Ion:152 Resp: 133320
Ion Ratio Lower Upper
152 100
115 56.7 29.6 88.8
150 156.7 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 29.519 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

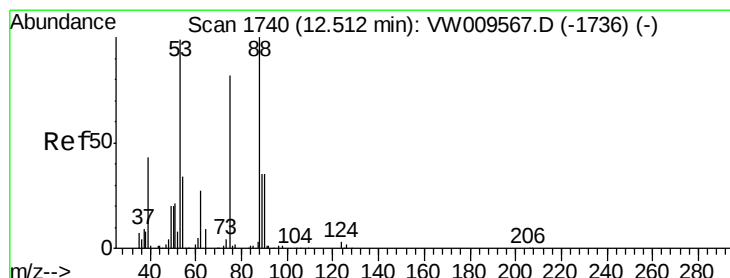
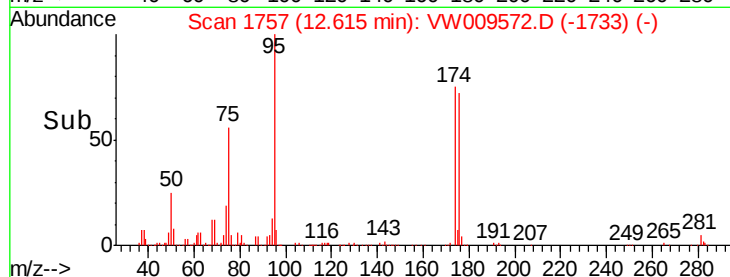
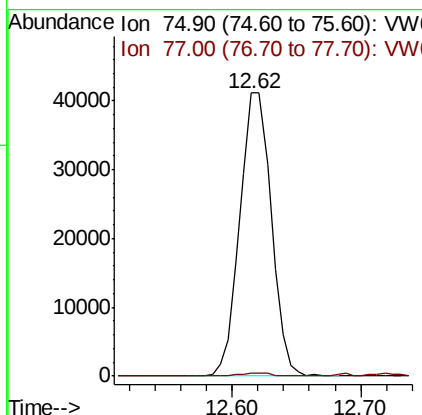
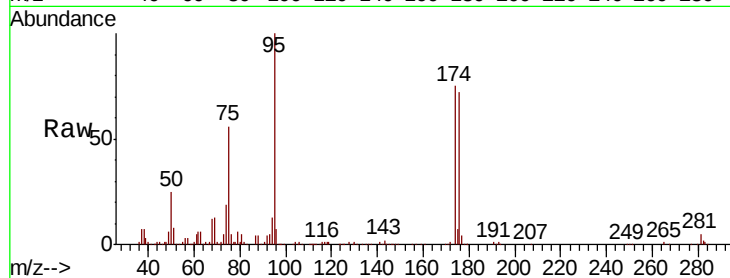
SSSI-0328-S-DH-5-T

Tgt Ion: 75 Resp: 69717

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.315 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009572.D

Acq: 29 Mar 2019 15:30

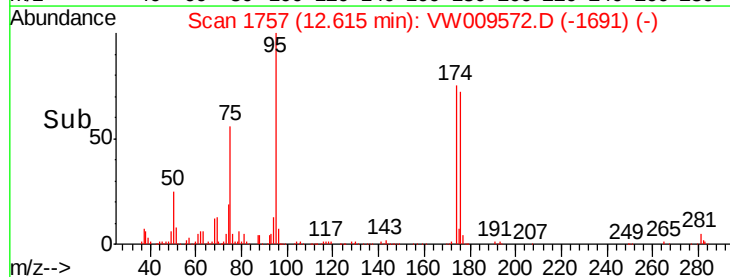
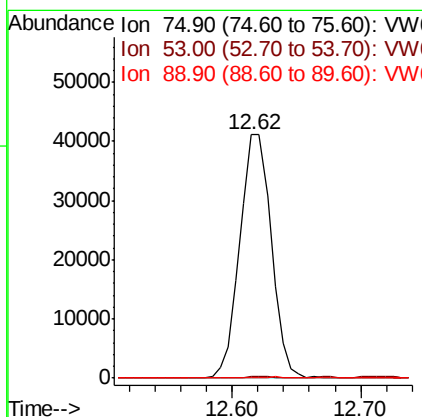
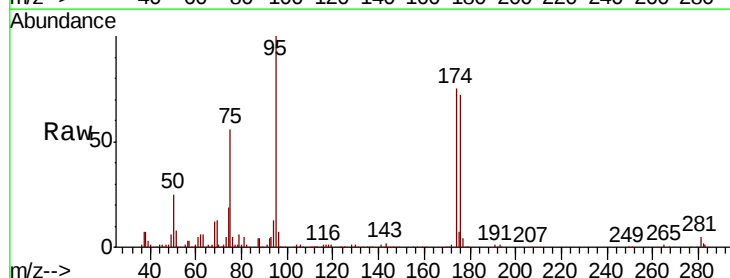
Tgt Ion: 75 Resp: 69717

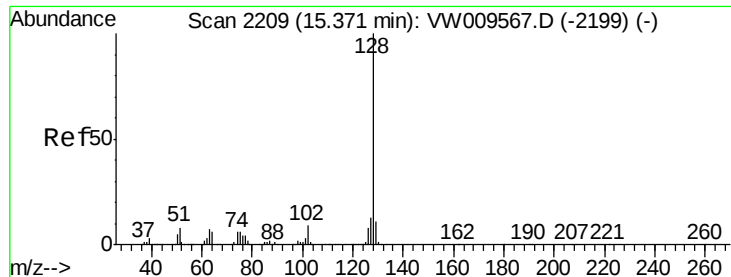
Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

89 0.4 36.4 54.6#





#95
Naphthalene
Concen: 3.418 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009572.D
Acq: 29 Mar 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
SSSI-0328-S-DH-5-T

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.8	16.2
129	14.2	8.7	13.1

