

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009573.D
 Acq On : 29 Mar 2019 15:58
 Operator : SY/VA
 Sample : K2155-03
 Misc : 6.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 29 16:21:58 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	208269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123901	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	140324	58.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.84%	
35) Dibromofluoromethane	7.88	113	125793	57.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.66%	
50) Toluene-d8	10.32	98	409842	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	129526	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	

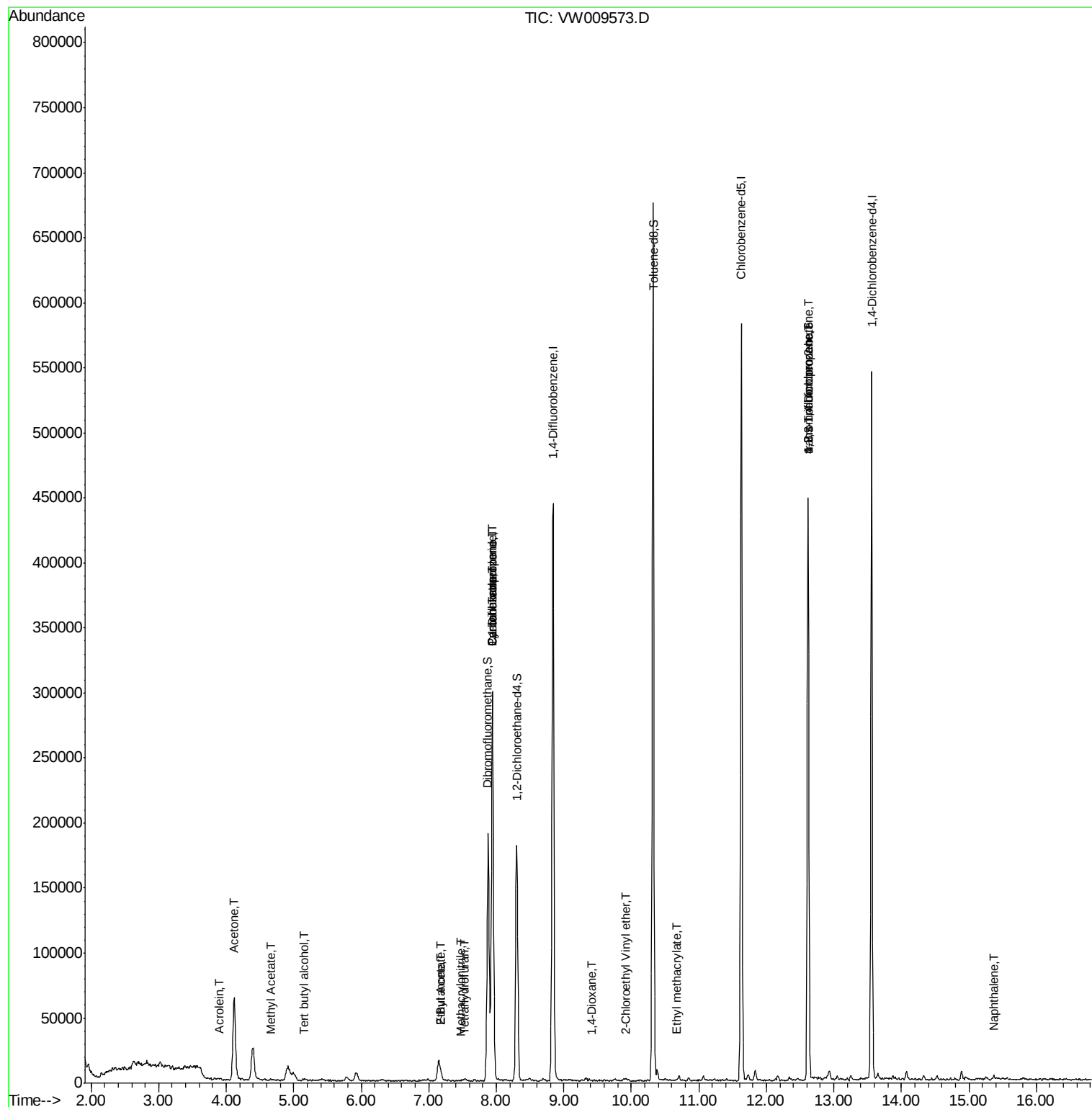
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.05	85	54	Below Cal	#	41
11) Tert butyl alcohol	5.15	59	355	2.571	ug/l #	86
13) Acrolein	3.90	56	707	6.981	ug/l #	48
16) Acetone	4.12	43	110381	206.137	ug/l	98
18) Methyl Acetate	4.67	43	1969	1.521	ug/l	99
25) 2-Butanone	7.18	43	9090	12.284	ug/l #	89
29) Tetrahydrofuran	7.52	42	521	1.134	ug/l #	61
31) Cyclohexane	7.95	56	5783	1.476	ug/l #	27
36) 1,1-Dichloropropene	7.94	75	18754	5.235	ug/l #	51
37) Ethyl Acetate	7.18	43	9090	5.341	ug/l #	71
38) Carbon Tetrachloride	7.95	117	22989	6.263	ug/l #	17
41) Methacrylonitrile	7.47	41	189	4.079	ug/l #	47
49) 1,4-Dioxane	9.42	88	40	1.996	ug/l #	1
56) Ethyl methacrylate	10.67	69	133	3.845	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	463	17.372	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	73731	33.591	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73731	147.157	ug/l #	7
95) Naphthalene	15.37	128	2262	3.168	ug/l #	93

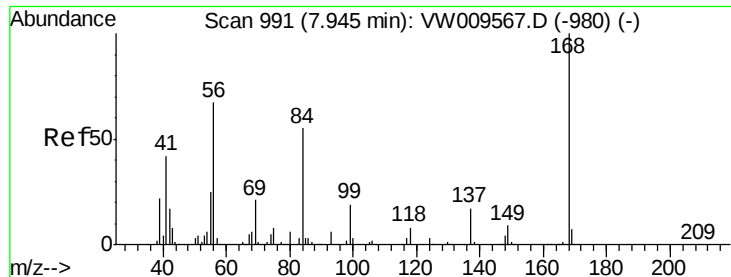
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
Data File : VW009573.D
Acq On : 29 Mar 2019 15:58
Operator : SY/VA
Sample : K2155-03
Misc : 6.24G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 29 16:21:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
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: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

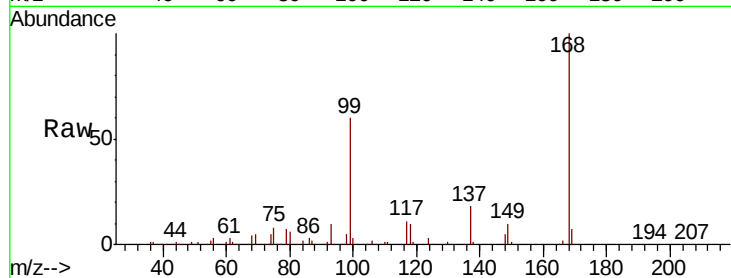
SSSI-0328-S-DH-5-B

Tgt Ion:168 Resp: 208269

Ion Ratio Lower Upper

168 100

99 59.9 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

100000

80000

60000

40000

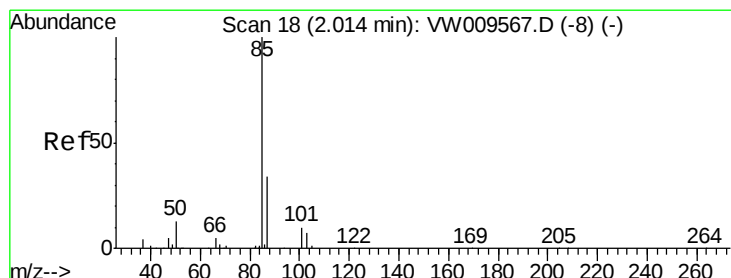
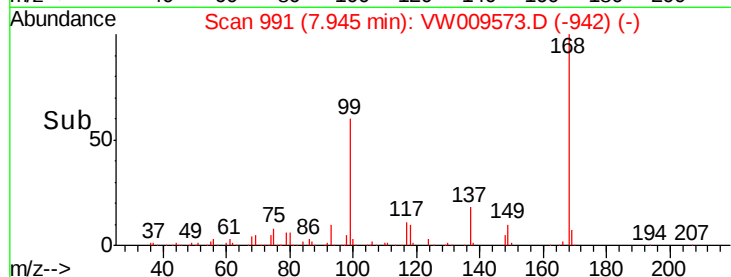
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.05 min Scan# 24

Delta R.T. 0.04 min

Lab File: VW009573.D

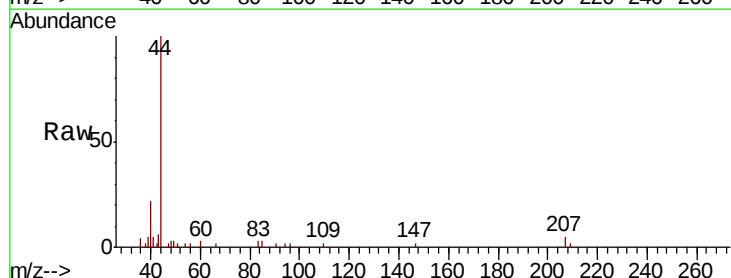
Acq: 29 Mar 2019 15:58

Tgt Ion: 85 Resp: 54

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

2.05

80

60

40

20

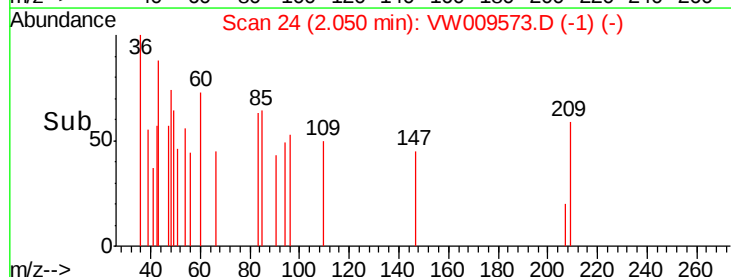
0

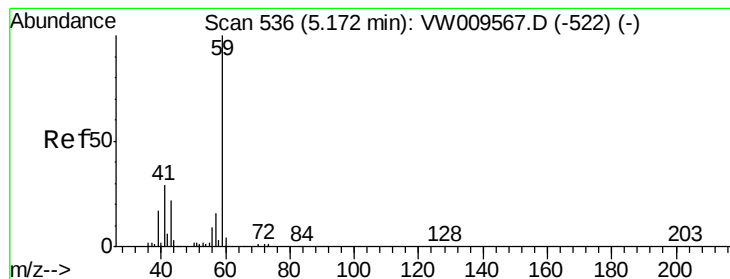
Time-->

2.02

2.04

2.06





#11

Tert butyl alcohol

Concen: 2.571 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

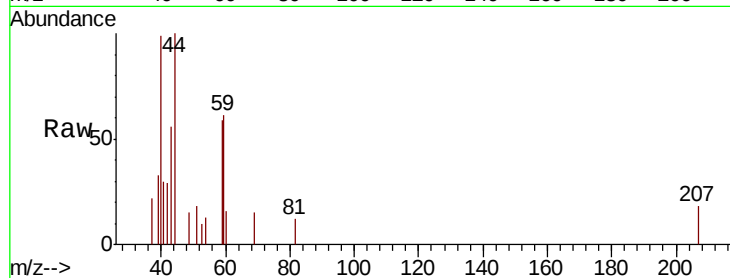
SSSI-0328-S-DH-5-B

Tgt Ion: 59 Resp: 355

Ion Ratio Lower Upper

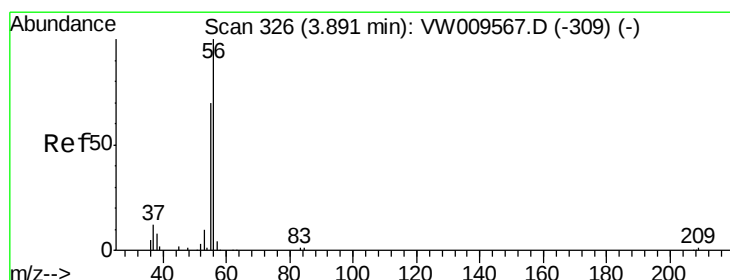
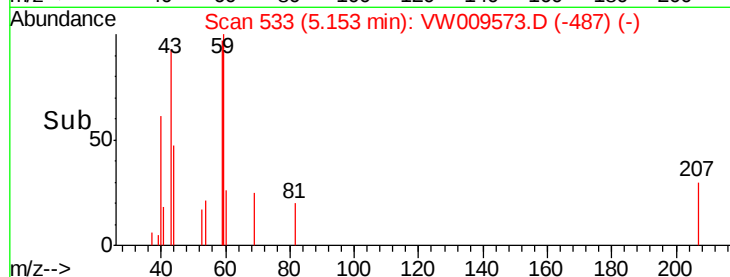
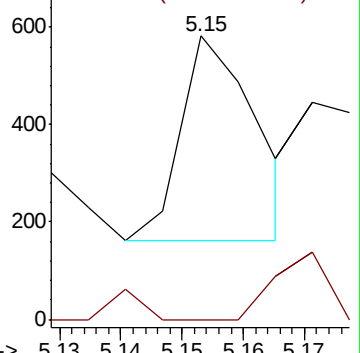
59 100

57 6.5 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: 6.981 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009573.D

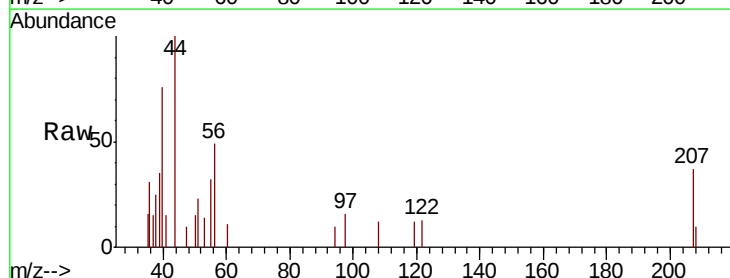
Acq: 29 Mar 2019 15:58

Tgt Ion: 56 Resp: 707

Ion Ratio Lower Upper

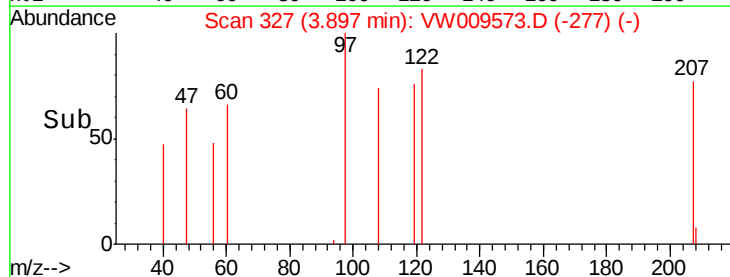
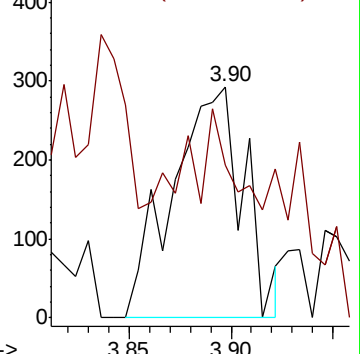
56 100

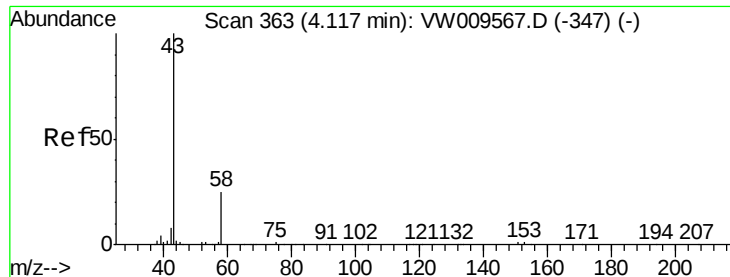
55 27.0 55.2 82.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 206.137 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

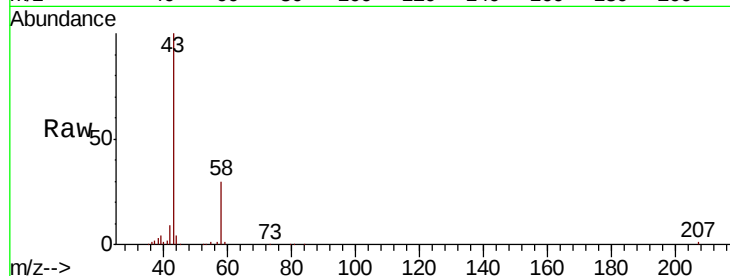
SSSI-0328-S-DH-5-B

Tgt Ion: 43 Resp: 110381

Ion Ratio Lower Upper

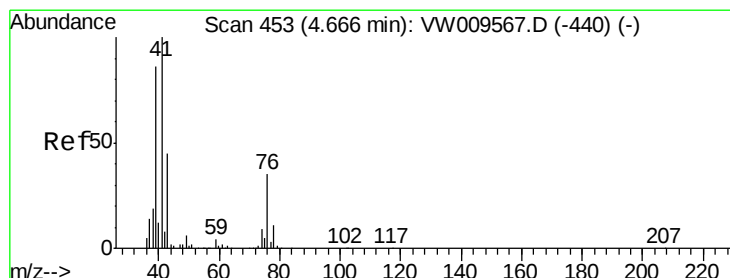
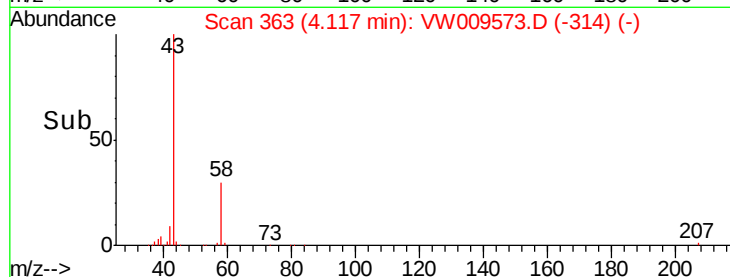
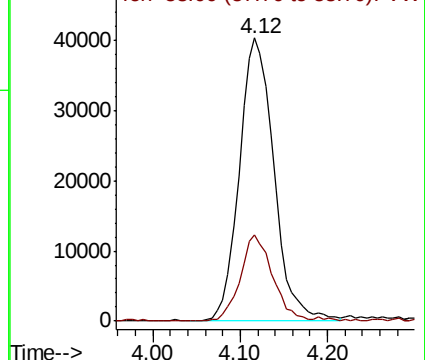
43 100

58 30.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.521 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009573.D

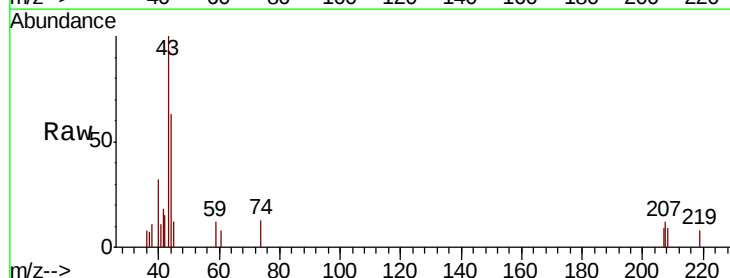
Acq: 29 Mar 2019 15:58

Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

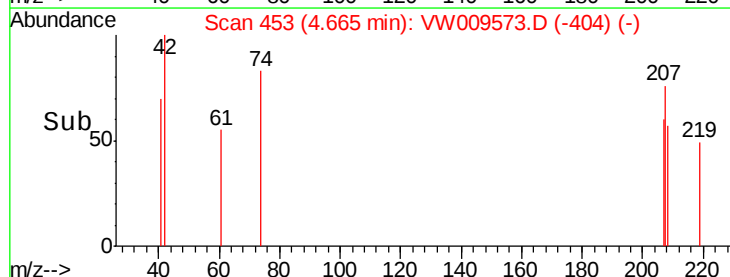
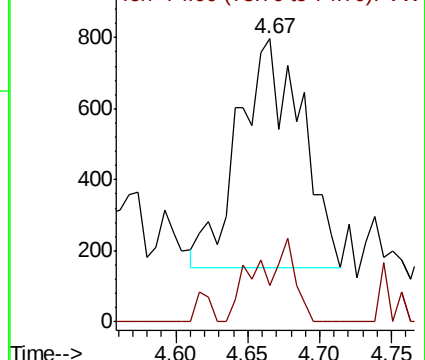
43 100

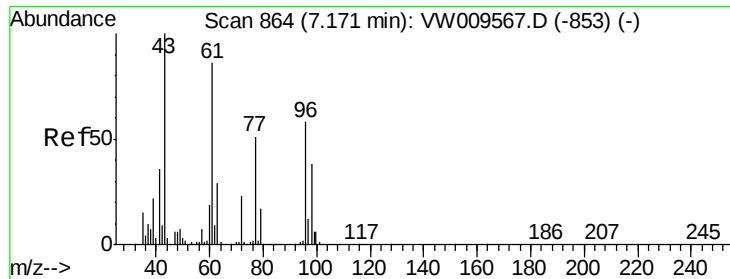
74 21.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 12.284 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

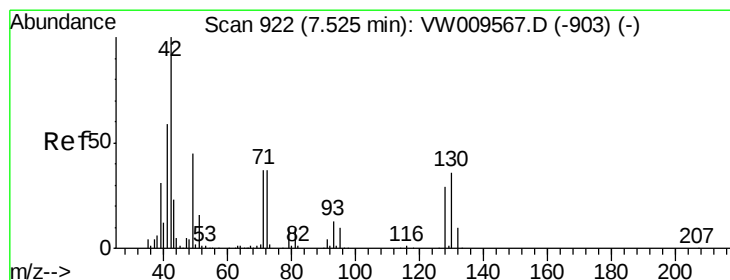
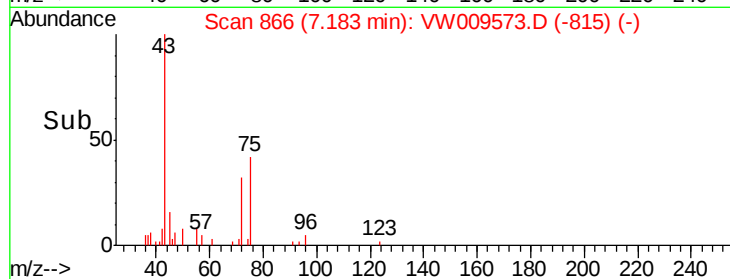
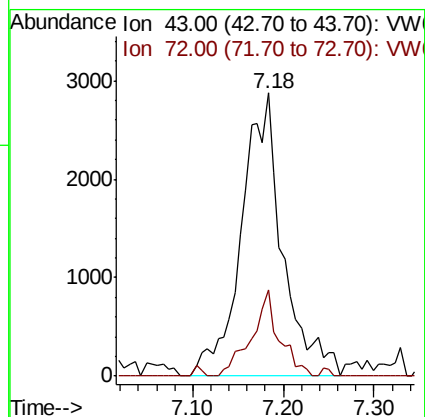
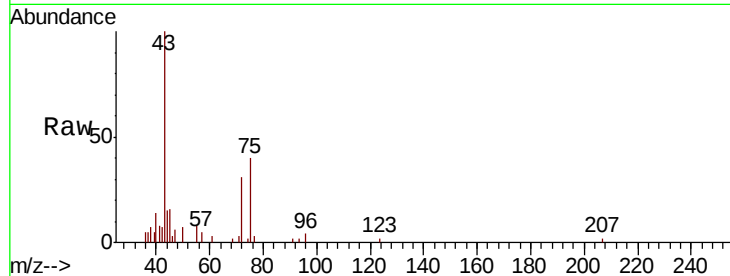
SSSI-0328-S-DH-5-B

Tgt Ion: 43 Resp: 9090

Ion Ratio Lower Upper

43 100

72 30.7 20.0 30.0#



#29

Tetrahydrofuran

Concen: 1.134 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

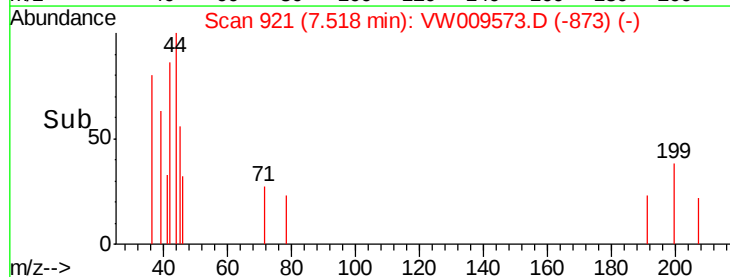
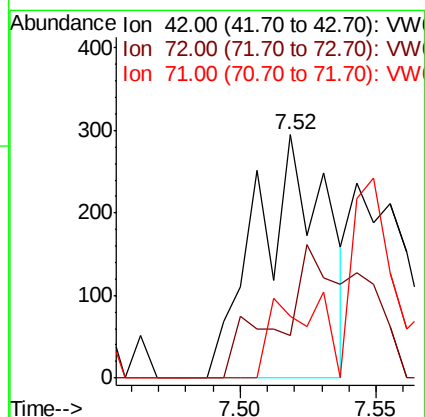
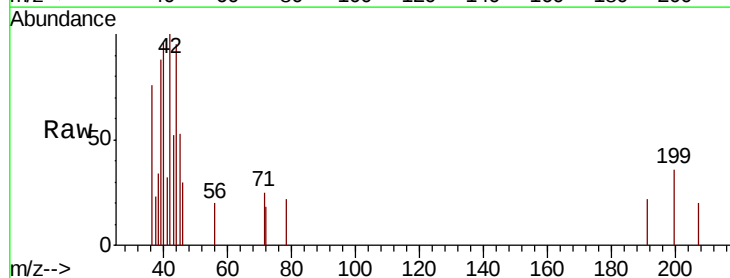
Tgt Ion: 42 Resp: 521

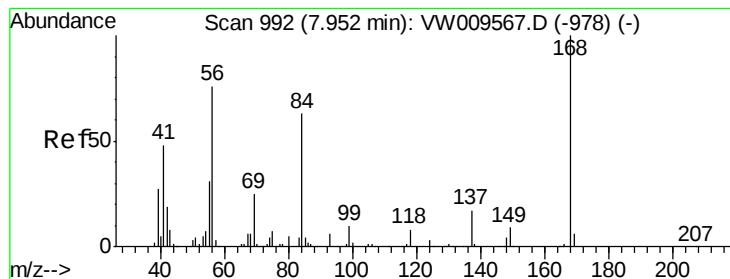
Ion Ratio Lower Upper

42 100

72 66.4 32.4 48.6#

71 16.5 30.1 45.1#





#31

Cyclohexane

Concen: 1.476 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0328-S-DH-5-B

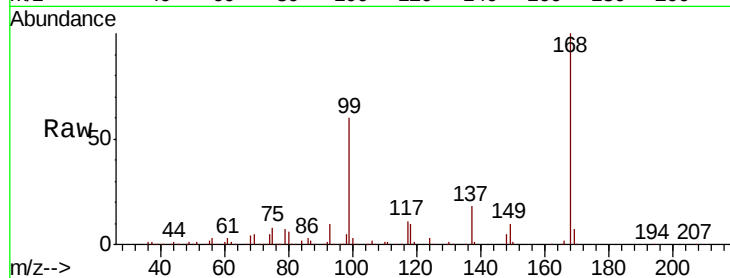
Tgt Ion: 56 Resp: 5783

Ion Ratio Lower Upper

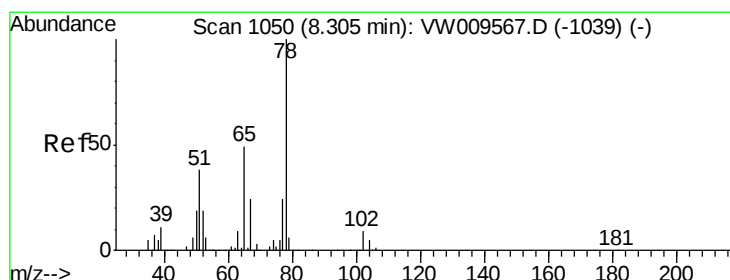
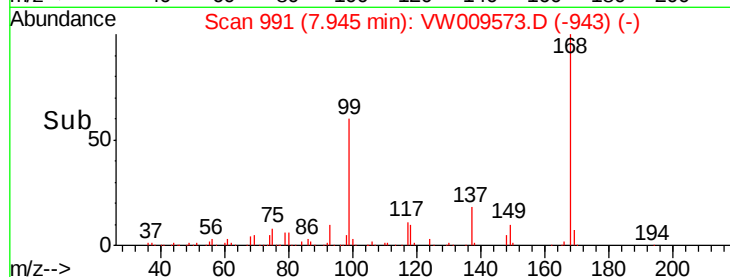
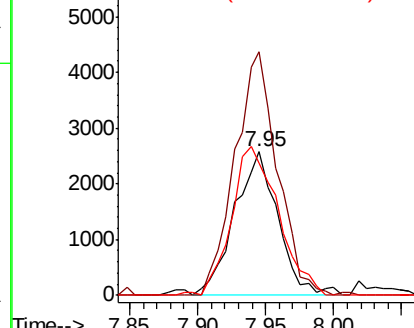
56 100

69 169.9 26.1 39.1#

84 92.5 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: 58.919 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009573.D

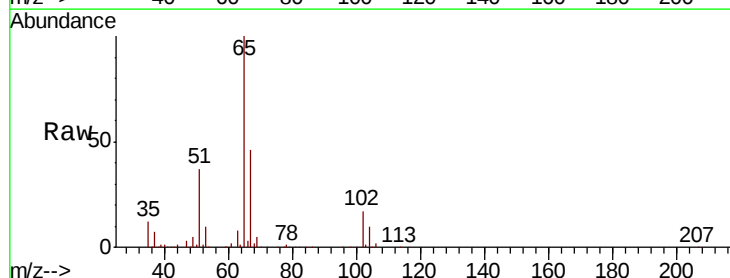
Acq: 29 Mar 2019 15:58

Tgt Ion: 65 Resp: 140324

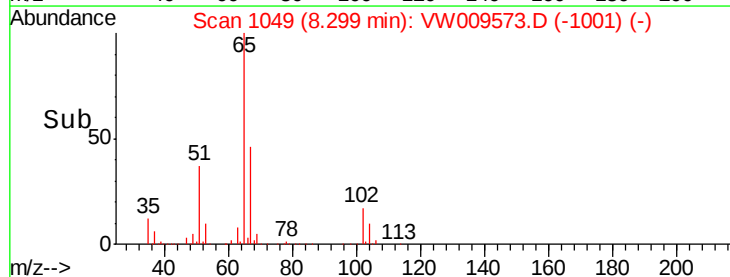
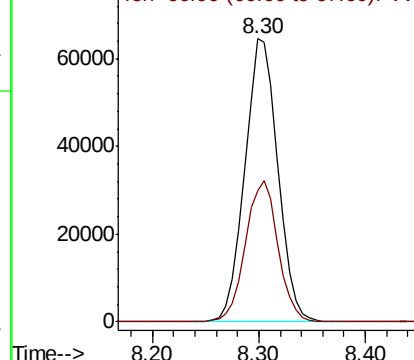
Ion Ratio Lower Upper

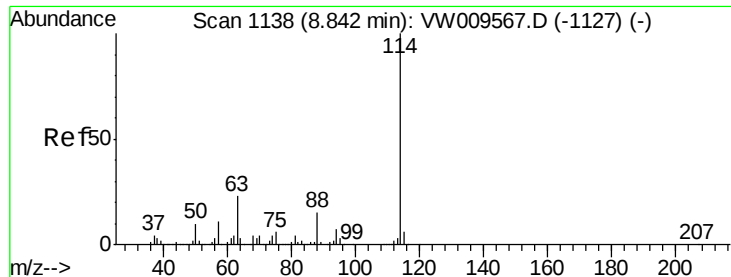
65 100

67 49.4 0.0 102.4



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

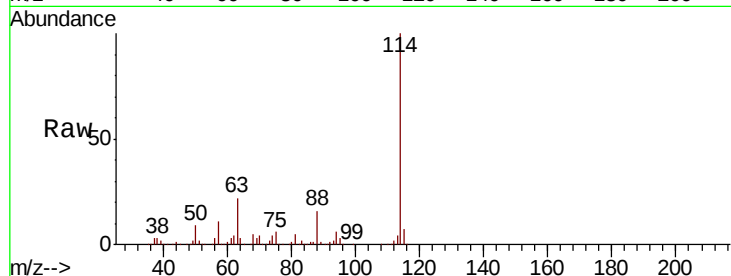




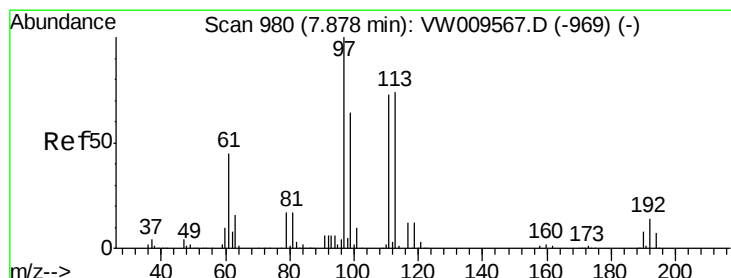
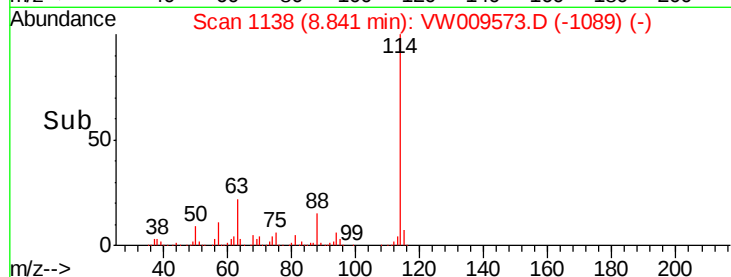
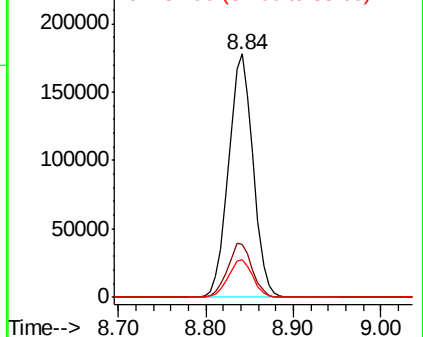
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009573.D
 Acq: 29 Mar 2019 15:58

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

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.2
88	15.5	0.0	30.8

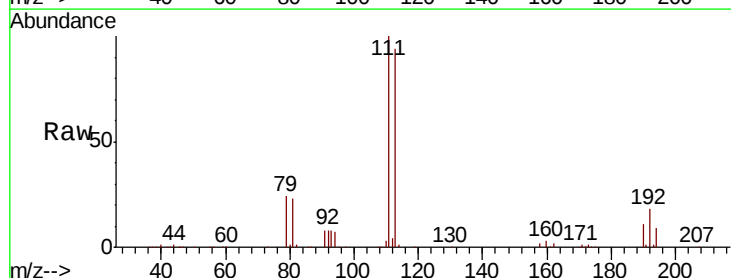


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

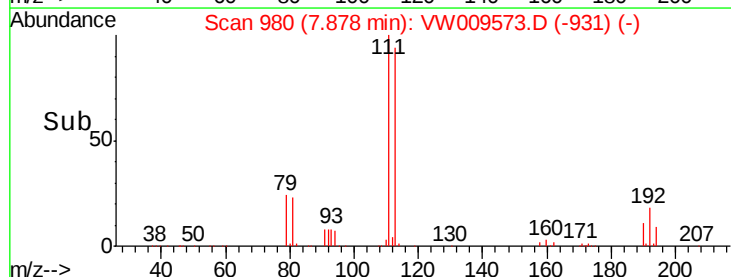
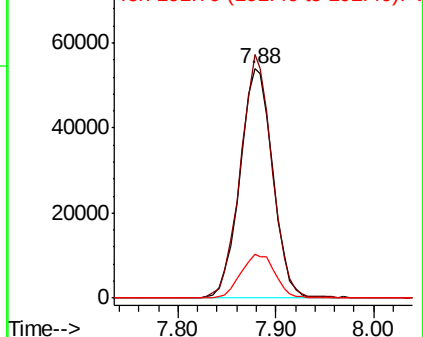


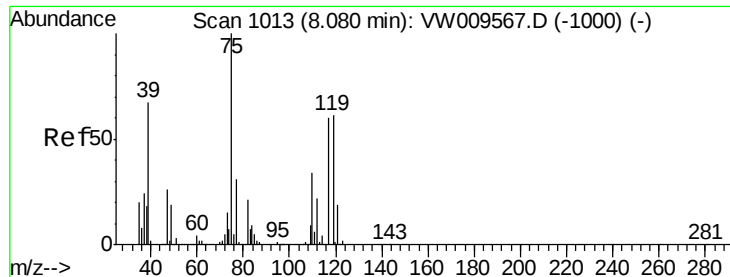
#35
 Dibromofluoromethane
 Concen: 57.826 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW009573.D
 Acq: 29 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	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: 5.235 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0328-S-DH-5-B

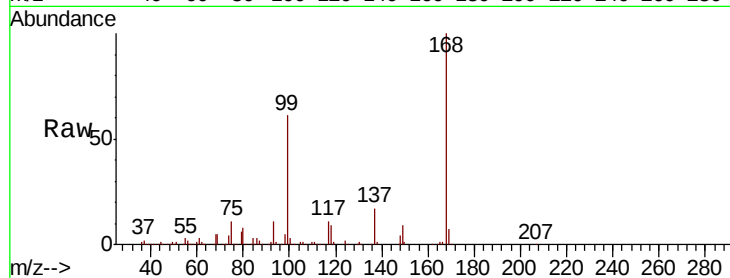
Tgt Ion: 75 Resp: 18754

Ion Ratio Lower Upper

75 100

110 9.2 16.8 50.4#

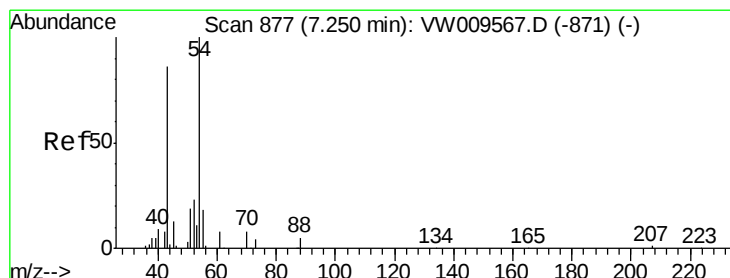
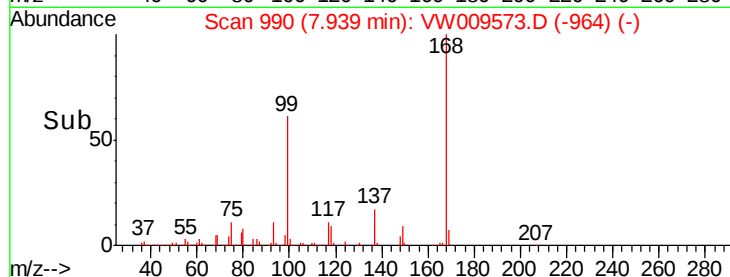
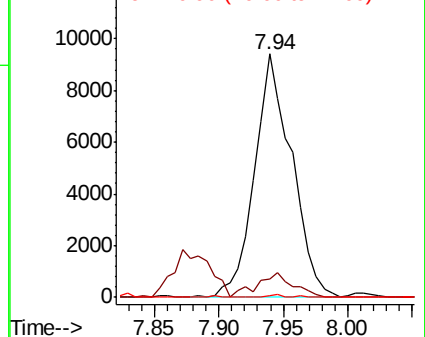
77 0.4 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 5.341 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

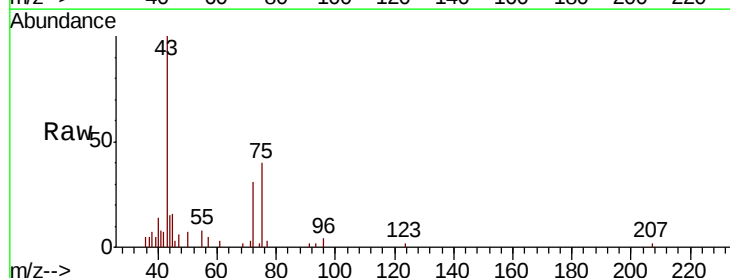
Tgt Ion: 43 Resp: 9090

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

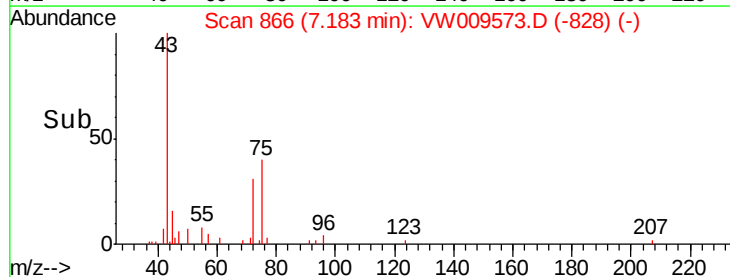
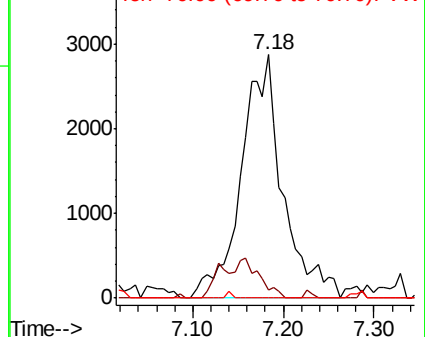
70 0.0 7.3 10.9#

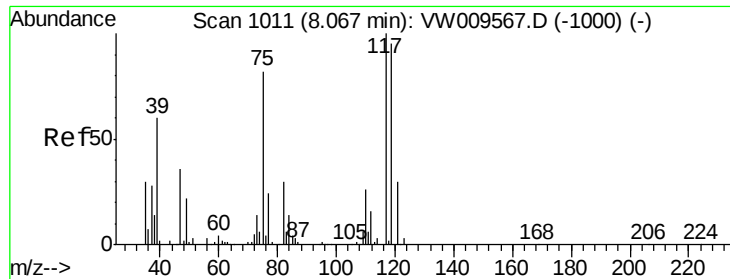


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.263 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0328-S-DH-5-B

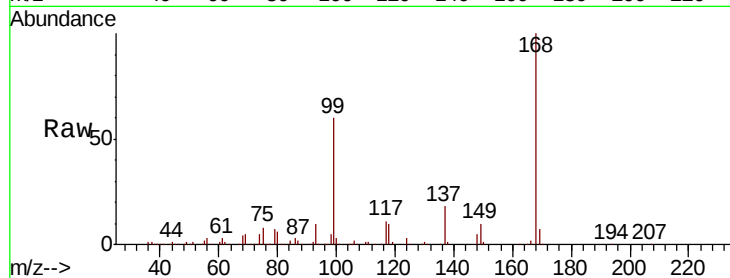
Tgt Ion: 117 Resp: 22989

Ion Ratio Lower Upper

117 100

119 5.7 75.4 113.0#

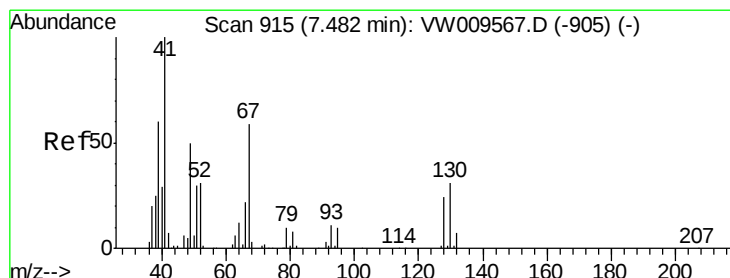
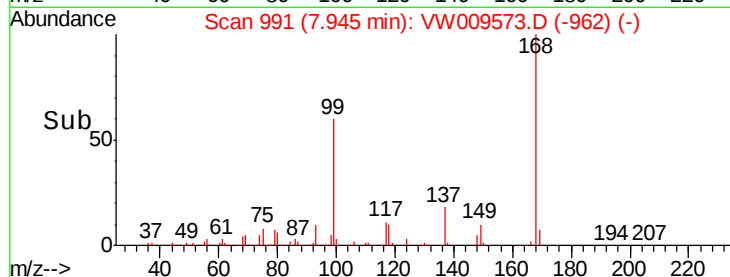
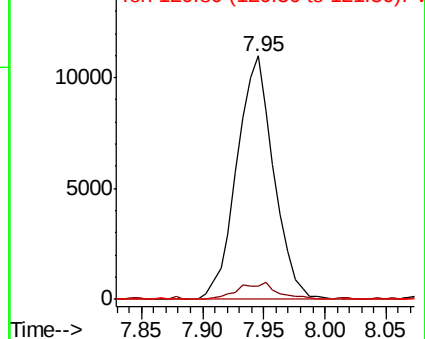
121 0.0 24.9 37.3#



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: 4.079 ug/l

RT: 7.47 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Tgt Ion: 41 Resp: 189

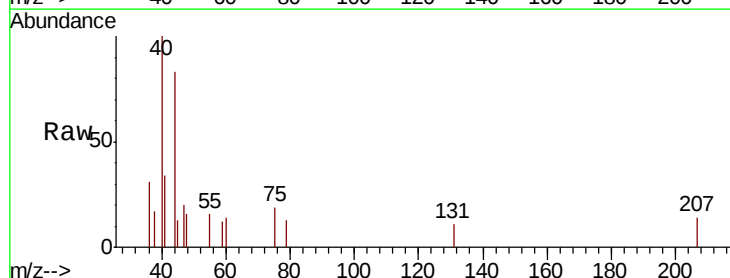
Ion Ratio Lower Upper

41 100

39 91.0 52.5 78.7#

67 14.3 56.6 84.8#

52 0.0 27.2 40.8#

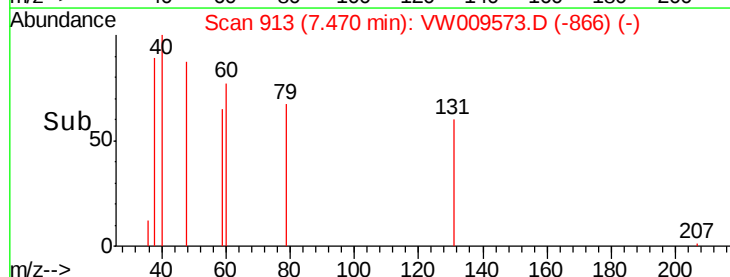
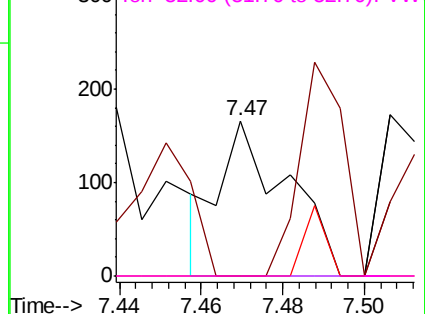


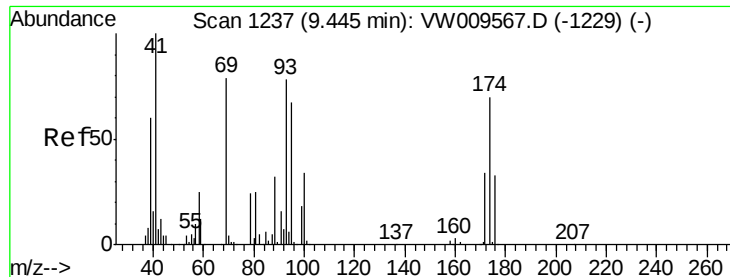
Abundance Ion 41.00 (40.70 to 41.70): VW

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

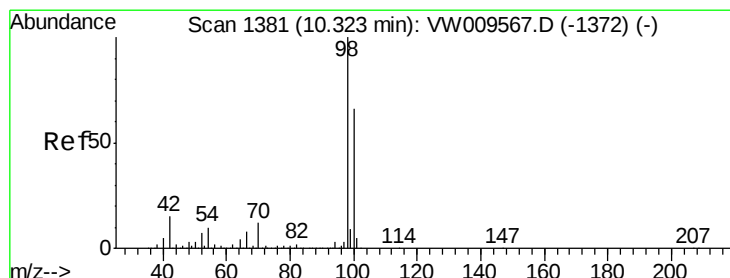
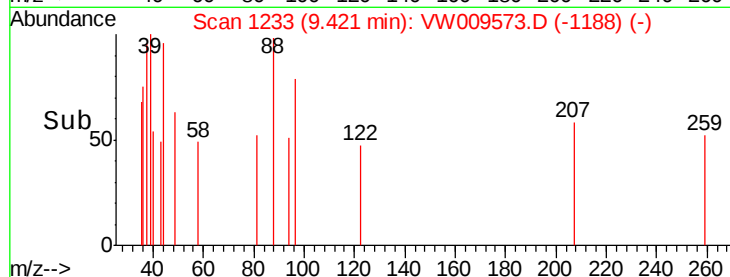
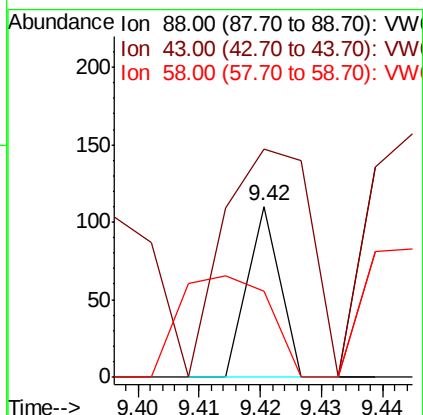
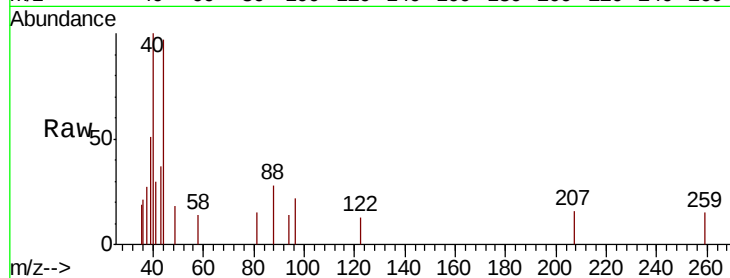




#49
1,4-Dioxane
Concen: 1.996 ug/l
RT: 9.42 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VW009573.D
Acq: 29 Mar 2019 15:58

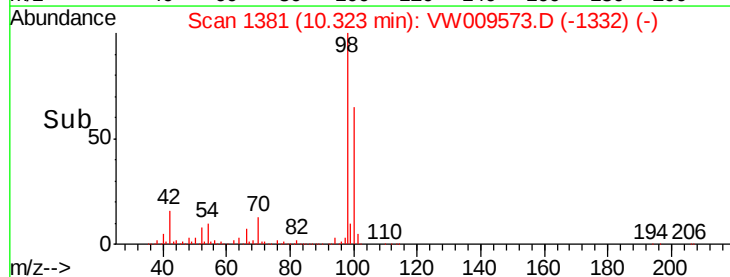
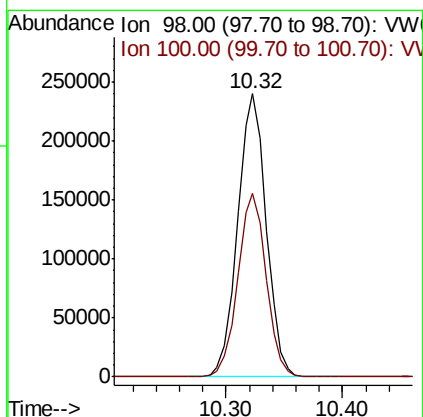
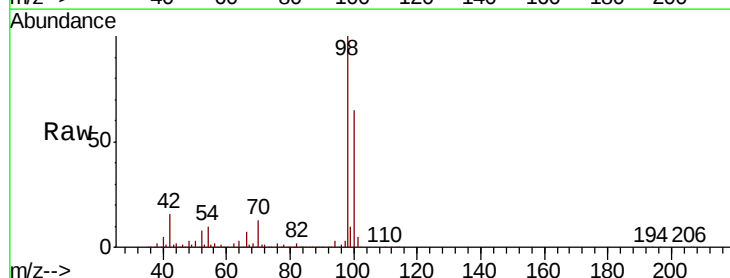
Instrument :
MSVOA_W
ClientSampleId :
SSSI-0328-S-DH-5-B

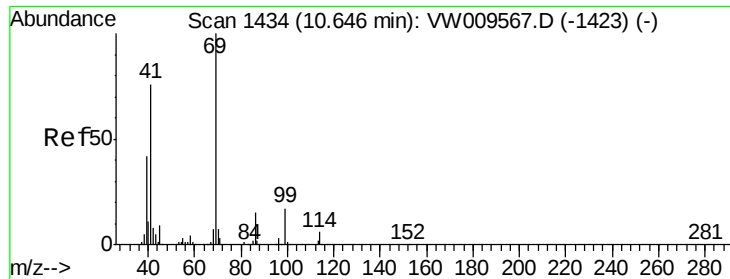
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 362.5 29.7 44.5#
58 165.0 58.1 87.1#



#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009573.D
Acq: 29 Mar 2019 15:58

Tgt Ion: 98 Resp: 409842
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0





#56

Ethyl methacrylate

Concen: 3.845 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0328-S-DH-5-B

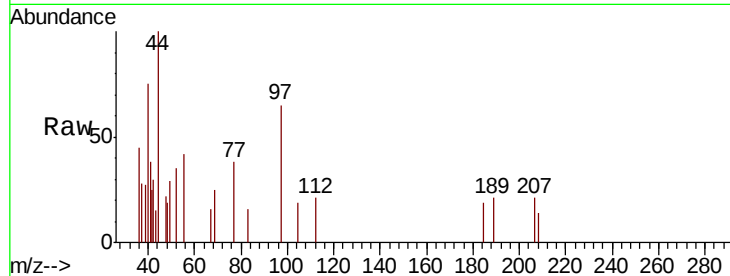
Tgt Ion: 69 Resp: 133

Ion Ratio Lower Upper

69 100

41 246.6 59.3 88.9#

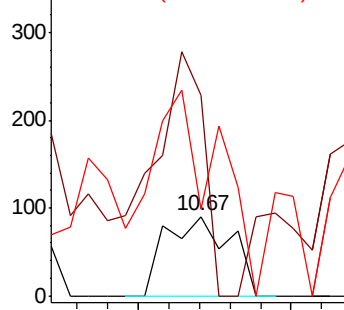
39 264.7 36.2 54.2#



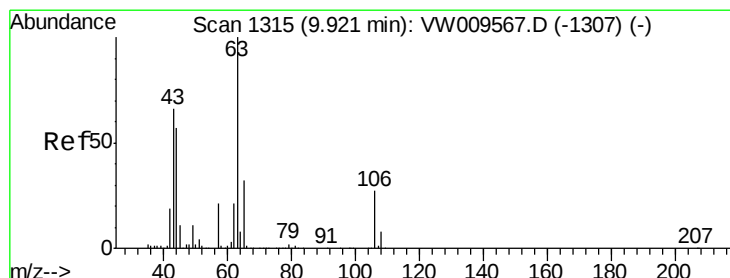
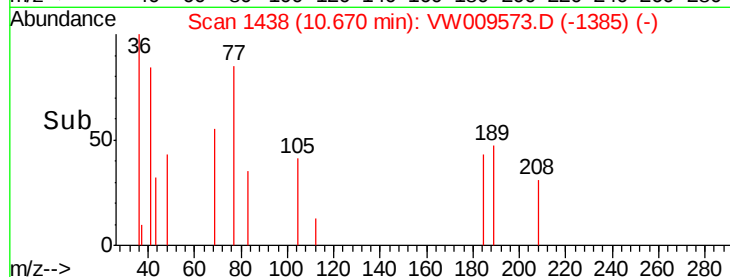
Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 17.372 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW009573.D

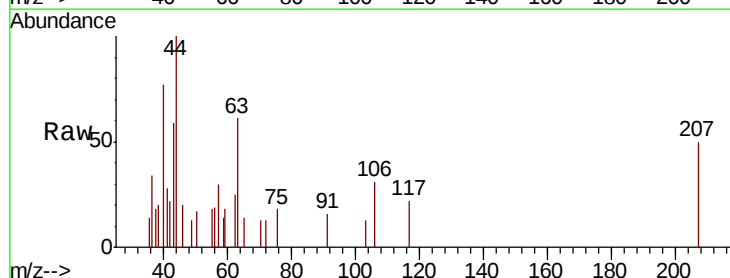
Acq: 29 Mar 2019 15:58

Tgt Ion: 63 Resp: 463

Ion Ratio Lower Upper

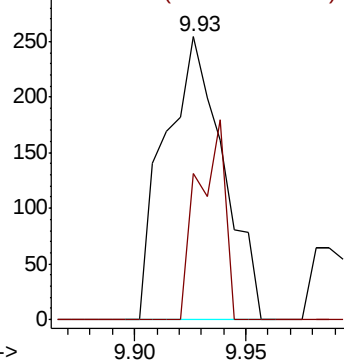
63 100

106 33.3 22.9 34.3

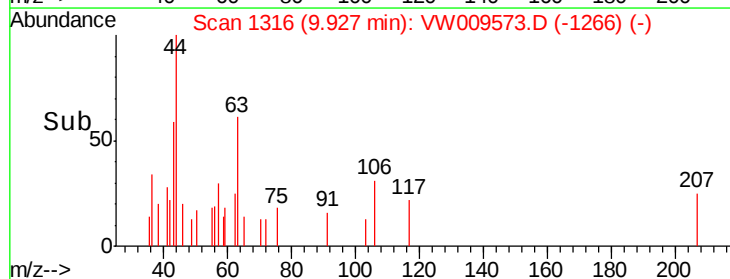


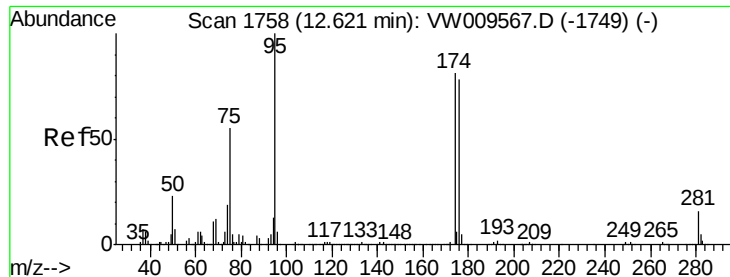
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



Time-->





#62

4-Bromofluorobenzene

Concen: 43.182 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0328-S-DH-5-B

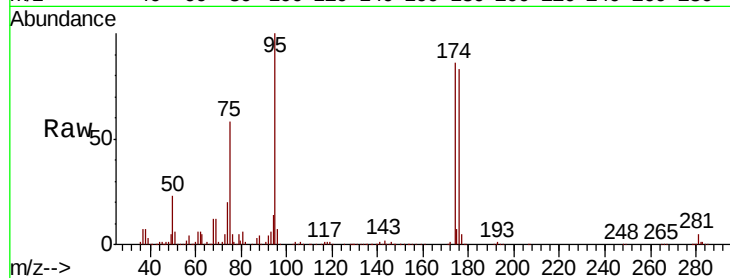
Tgt Ion: 95 Resp: 129526

Ion Ratio Lower Upper

95 100

174 81.8 0.0 168.4

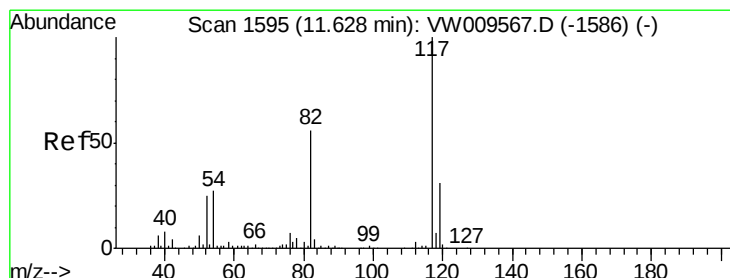
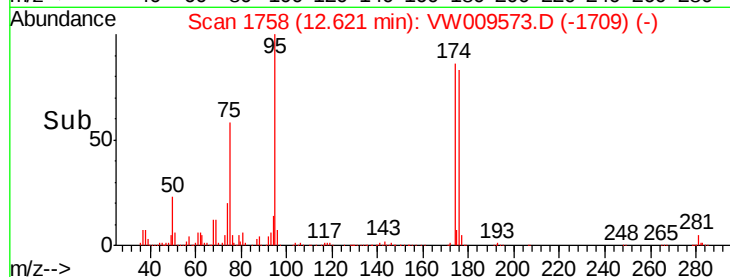
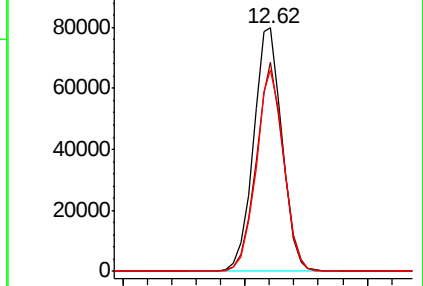
176 79.8 0.0 161.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

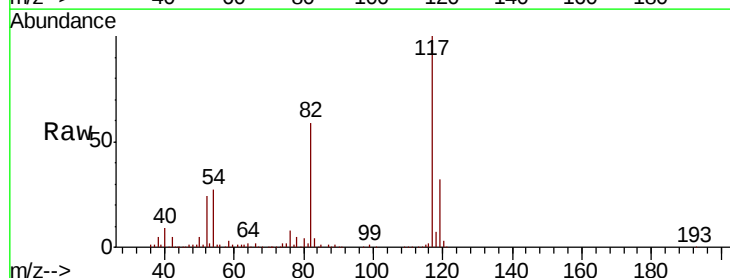
Tgt Ion: 117 Resp: 300018

Ion Ratio Lower Upper

117 100

82 59.4 43.6 65.4

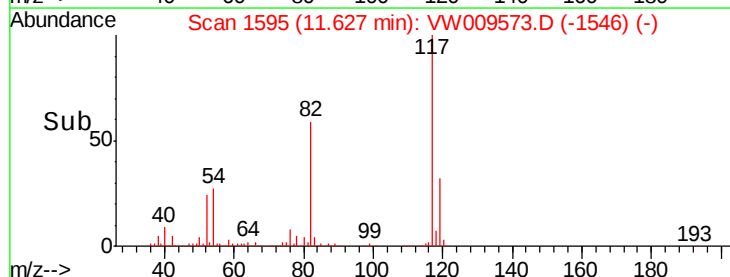
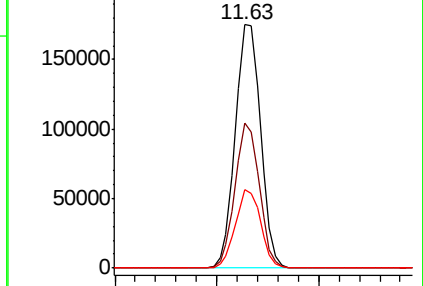
119 32.1 26.0 39.0

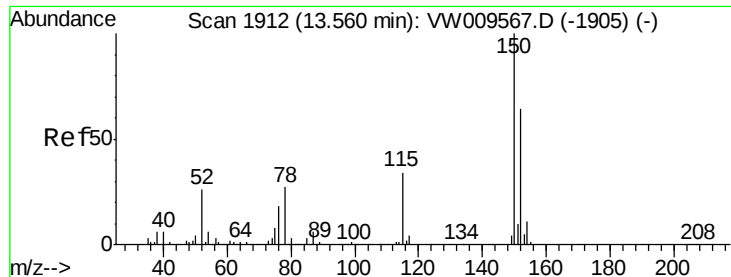


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0328-S-DH-5-B

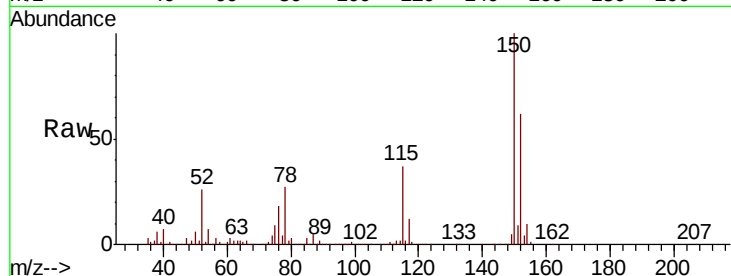
Tgt Ion:152 Resp: 123901

Ion Ratio Lower Upper

152 100

115 58.9 29.6 88.8

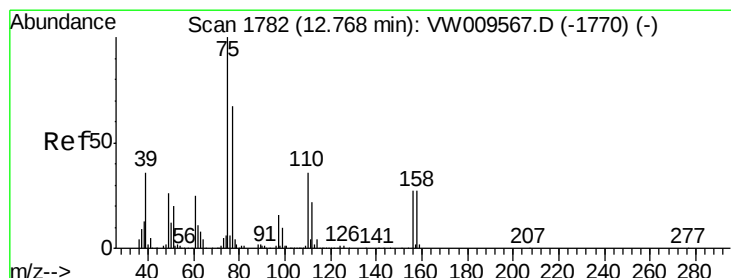
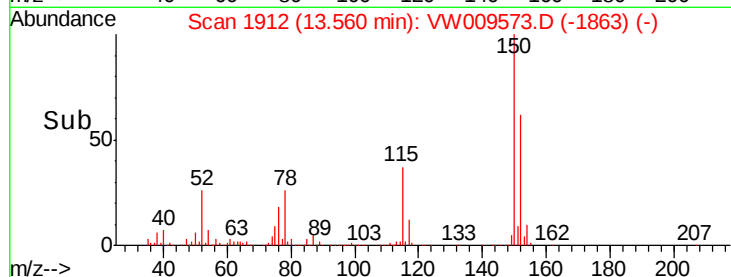
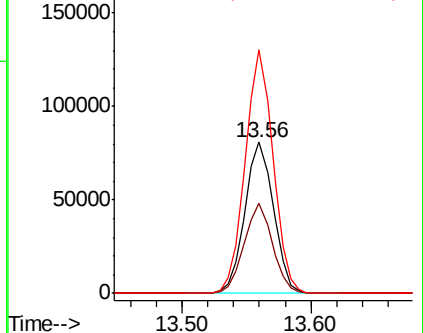
150 156.8 0.0 349.2



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: 33.591 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009573.D

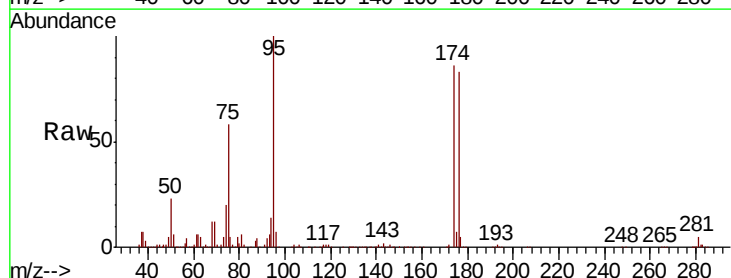
Acq: 29 Mar 2019 15:58

Tgt Ion: 75 Resp: 73731

Ion Ratio Lower Upper

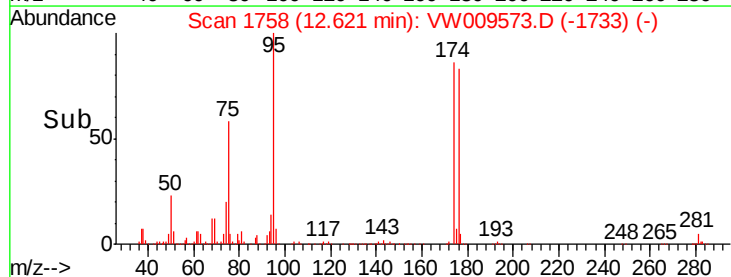
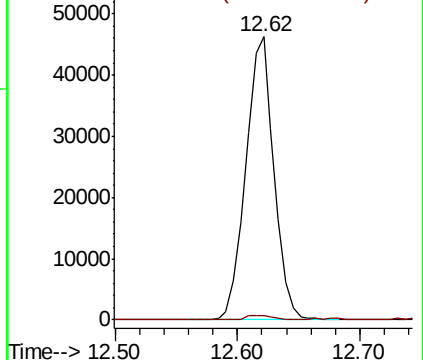
75 100

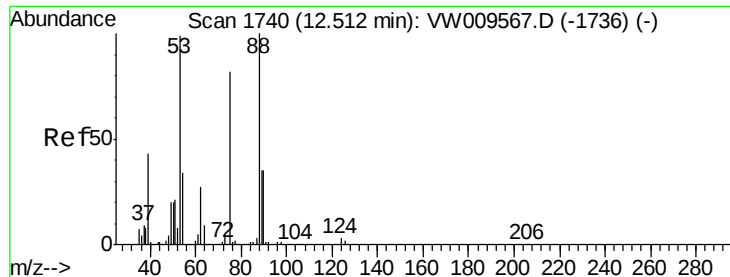
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 147.157 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0328-S-DH-5-B

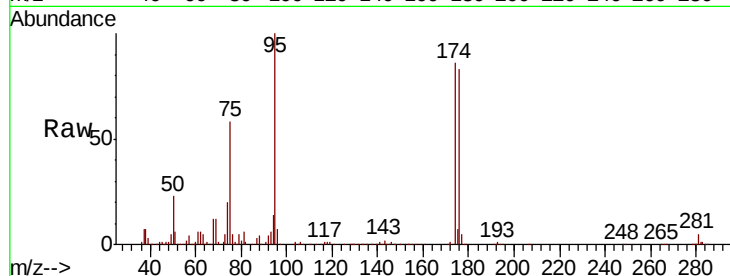
Tgt Ion: 75 Resp: 73731

Ion Ratio Lower Upper

75 100

53 0.3 86.7 130.1#

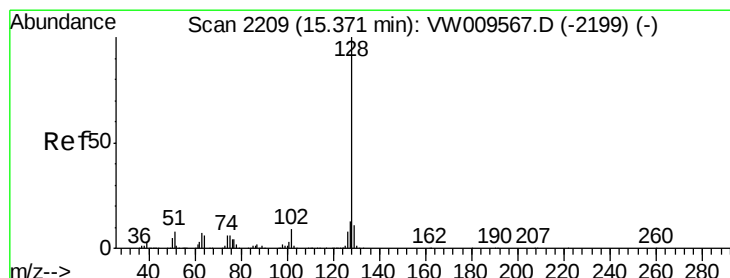
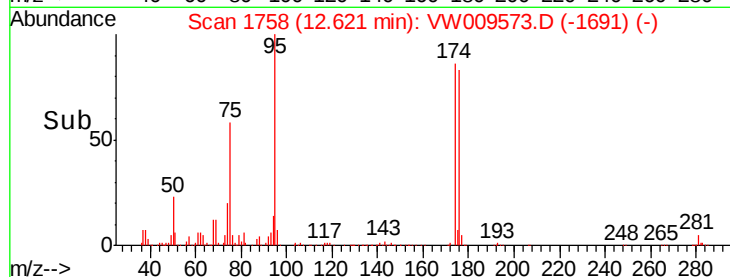
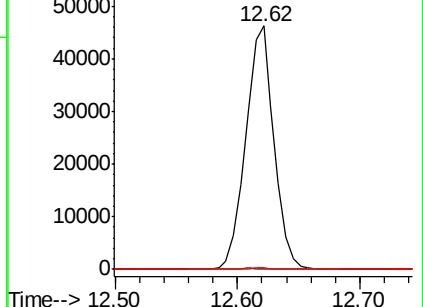
89 0.2 36.4 54.6#



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



#95

Naphthalene

Concen: 3.168 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009573.D

Acq: 29 Mar 2019 15:58

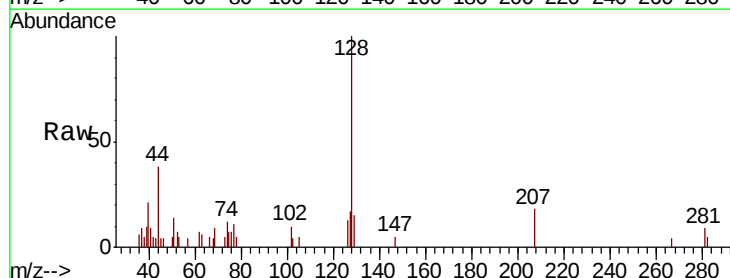
Tgt Ion: 128 Resp: 2262

Ion Ratio Lower Upper

128 100

127 18.4 10.8 16.2#

129 10.5 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

