

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013263.D
 Acq On : 24 Sep 2019 07:14
 Operator : SY/VA
 Sample : K5008-03
 Misc : 5.76G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3

Quant Time: Sep 24 08:48:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	511177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	475683	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	152463	57.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.98%	
35) Dibromofluoromethane	7.88	113	144813	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.32	98	940566	79.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.88%	
62) 4-Bromofluorobenzene	12.61	95	700911	174.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	348.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1965	1.284	ug/l	81
11) Tert butyl alcohol	5.21	59	787	Below Cal	#	73
13) Acrolein	3.89	56	612	4.009	ug/l #	15
14) Allyl chloride	4.73	41	18945	3.942	ug/l #	68
15) Acrylonitrile	5.42	53	20958	31.738	ug/l #	41
16) Acetone	4.12	43	108901	182.095	ug/l #	85
17) Carbon Disulfide	4.37	76	39424	4.517	ug/l	98
18) Methyl Acetate	4.73	43	18375	10.930	ug/l #	52
20) Methylene Chloride	4.90	84	21430	4.355	ug/l #	60
25) 2-Butanone	7.17	43	19129	21.307	ug/l #	80
26) 2,2-Dichloropropane	7.35	77	178	Below Cal	#	1
29) Tetrahydrofuran	7.52	42	6494	11.795	ug/l #	89
31) Cyclohexane	7.95	56	474839	82.604	ug/l	98
36) 1,1-Dichloropropene	7.94	75	21348	4.312	ug/l #	73
37) Ethyl Acetate	7.17	43	19129	9.091	ug/l #	69
38) Carbon Tetrachloride	7.94	117	28932	6.519	ug/l #	19
39) Methylcyclohexane	9.33	83	1871623	294.155	ug/l	96
40) Benzene	8.32	78	127793	9.254	ug/l	97
41) Methacrylonitrile	7.52	41	5748	4.577	ug/l #	52
43) Isopropyl Acetate	8.41	43	107059	26.546	ug/l #	50
45) 1,2-Dichloropropane	9.34	63	18283	5.423	ug/l #	1
47) Bromodichloromethane	9.61	83	52526	12.611	ug/l #	41
48) Methyl methacrylate	9.38	41	123804	65.284	ug/l #	13
49) 1,4-Dioxane	9.32	88	39	1.587	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	65420	32.357	ug/l #	64
52) Toluene	10.38	92	82617	9.334	ug/l	95
55) 1,1,2-Trichloroethane	10.76	97	1554041	635.166	ug/l #	22
56) Ethyl methacrylate	10.62	69	271255	84.714	ug/l	97
59) 2-Hexanone	10.93	43	2947542	2119.021	ug/l #	28
60) Dibromochloromethane	11.04	129	21059	7.580	ug/l #	38
61) 1,2-Dibromoethane	11.21	107	4810	2.068	ug/l #	1
65) Chlorobenzene	11.55	112	32838	4.162	ug/l #	42
67) Ethyl Benzene	11.73	91	3922913	274.386	ug/l	99
68) m/p-Xylenes	11.73	106	1226188	225.068	ug/l #	18

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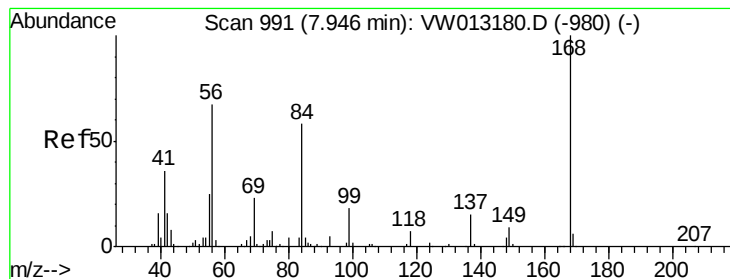
Instrument :
 MSVOA_W
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	12.16	106	170762	33.713	ug/l	85
70) Styrene	12.16	104	12162	1.399	ug/l #	1
71) Bromoform	12.29	173	10966	7.700	ug/l #	40
73) Isopropylbenzene	12.46	105	2711155	77.155	ug/l	100
74) N-amyl acetate	12.26	43	4875906	625.328	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.69	83	242147	41.204	ug/l #	14
76) 1,2,3-Trichloropropane	12.80	75	37586	8.947	ug/l #	100
77) Bromobenzene	12.87	156	546650	65.648	ug/l #	1
78) n-propylbenzene	12.80	91	5639998	137.121	ug/l	99
79) 2-Chlorotoluene	12.80	91	5639998	244.756	ug/l #	50
80) 1,3,5-Trimethylbenzene	13.10	105	937726	31.746	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.46	75	29853	15.946	ug/l #	1
82) 4-Chlorotoluene	12.80	91	5643395	232.238	ug/l #	50
83) tert-Butylbenzene	13.21	119	353173	13.622	ug/l	85
84) 1,2,4-Trimethylbenzene	13.10	105	937726	31.903	ug/l	76
85) sec-Butylbenzene	13.38	105	5140163	143.806	ug/l	81
86) p-Isopropyltoluene	13.66	119	1020670	30.787	ug/l	91
89) n-Butylbenzene	13.83	91	3934140	129.961	ug/l #	82
90) Hexachloroethane	14.10	117	1309261	235.084	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.50	75	29730	33.075	ug/l #	26
93) 1,2,4-Trichlorobenzene	15.13	180	9998	1.006	ug/l #	1
95) Naphthalene	15.36	128	2684751	165.228	ug/l	98
96) 1,2,3-Trichlorobenzene	15.58	180	10046	1.170	ug/l #	56

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

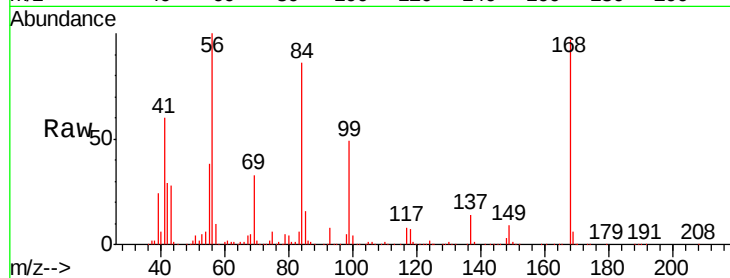
SB-3

Tgt Ion:168 Resp: 324936

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

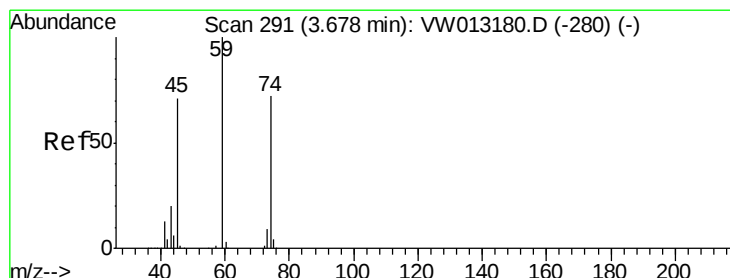
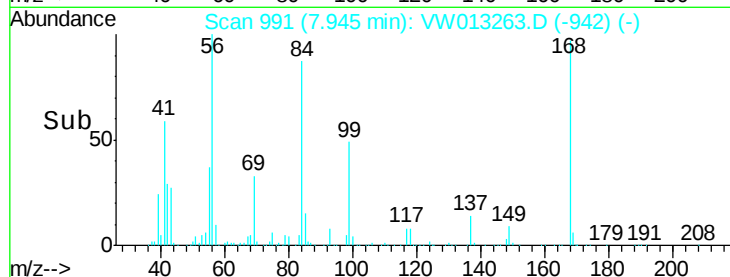
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.284 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW013263.D

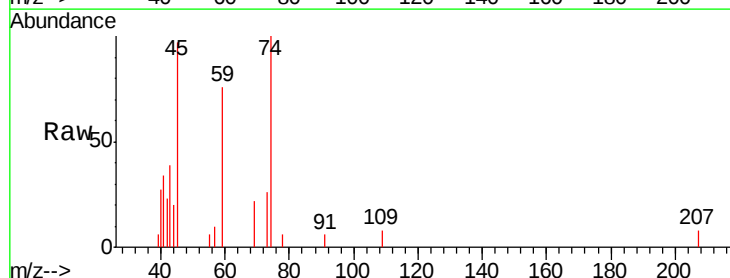
Acq: 24 Sep 2019 07:14

Tgt Ion: 74 Resp: 1965

Ion Ratio Lower Upper

74 100

45 118.3 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1000

800

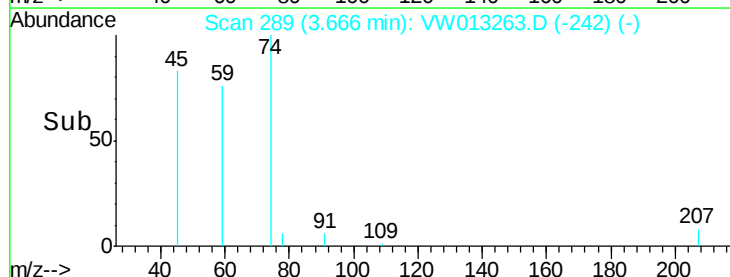
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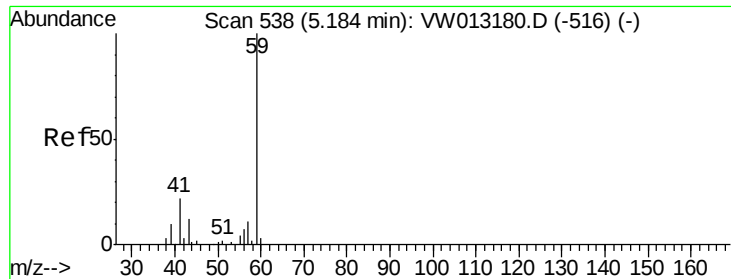
400

200

0

Time--> 3.60 3.65 3.70 3.75

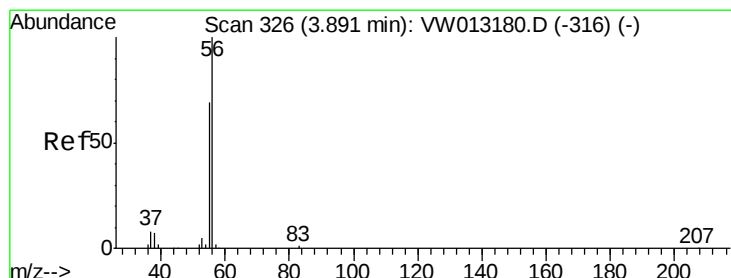
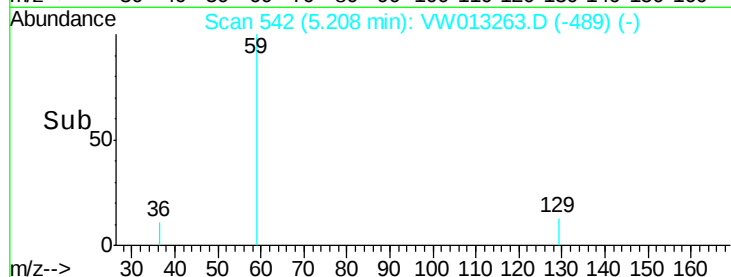
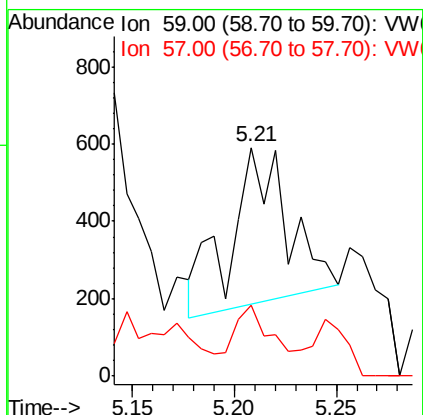
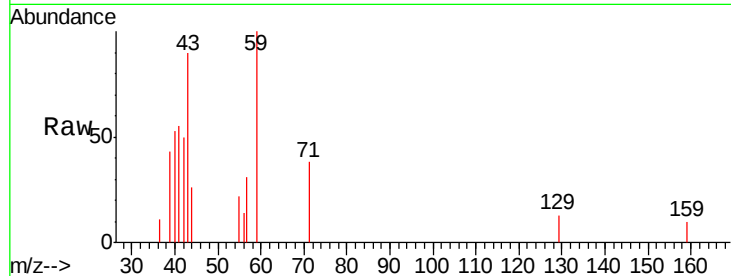




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

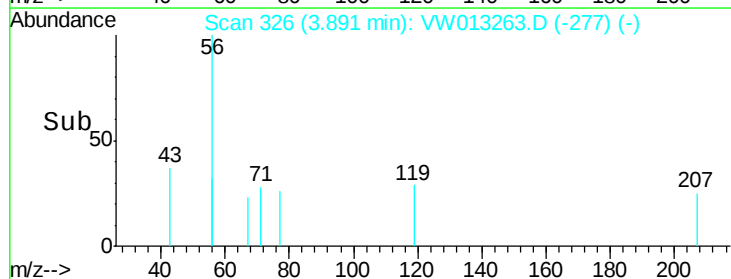
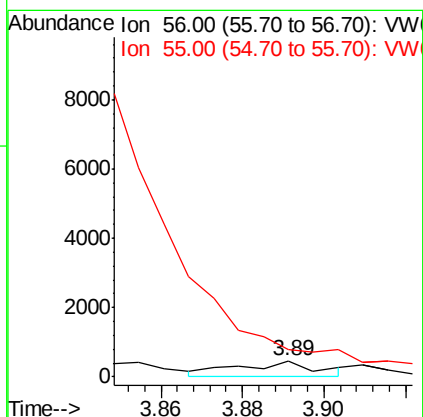
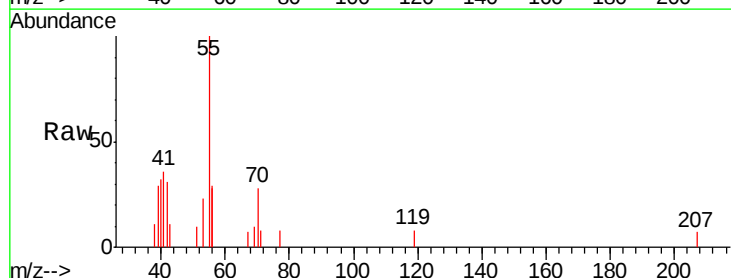
Instrument :
MSVOA_W
ClientSampleId :
SB-3

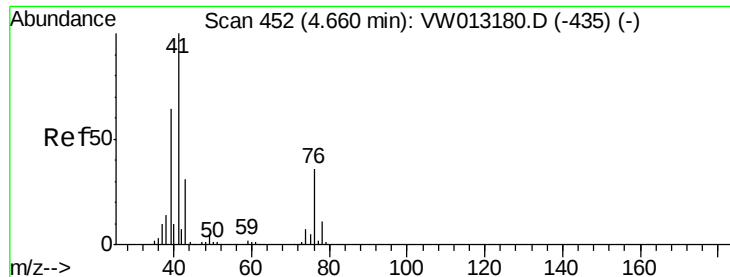
Tgt Ion: 59 Resp: 787
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 4.009 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 56 Resp: 612
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#





#14

Allyl chloride

Concen: 3.942 ug/l

RT: 4.73 min Scan# 464

Delta R.T. 0.07 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

SB-3

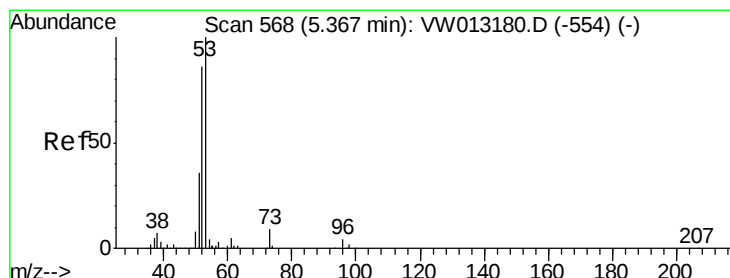
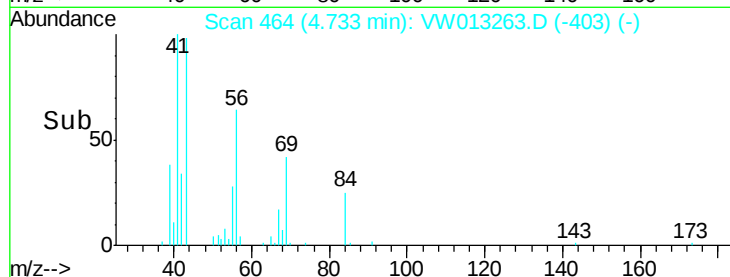
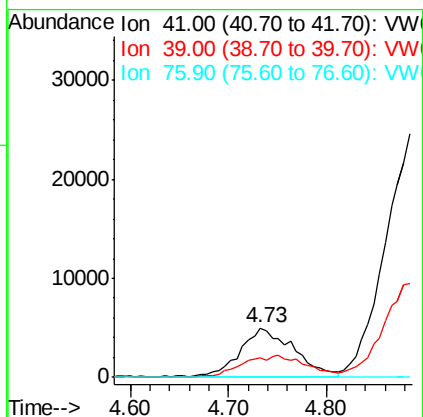
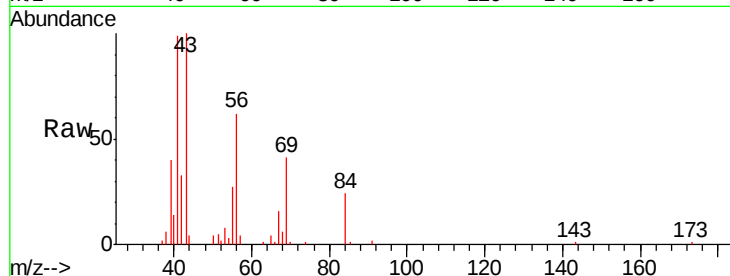
Tgt Ion: 41 Resp: 18945

Ion Ratio Lower Upper

41 100

39 50.9 51.0 76.4#

76 0.0 28.4 42.6#



#15

Acrylonitrile

Concen: 31.738 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.05 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

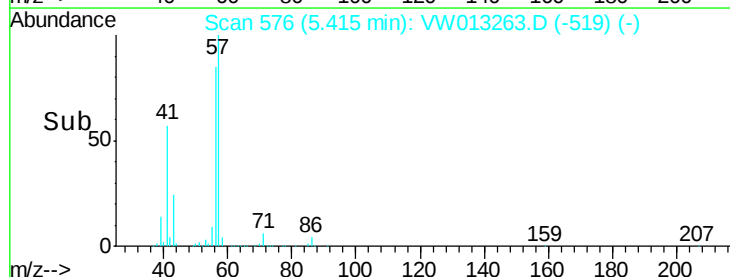
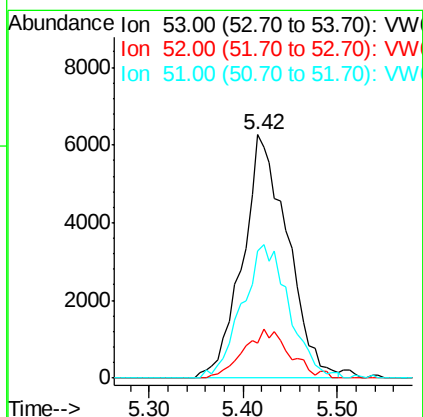
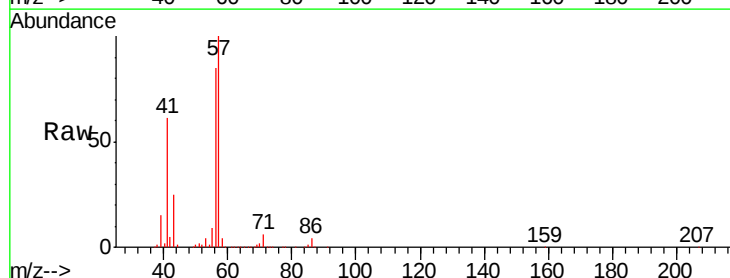
Tgt Ion: 53 Resp: 20958

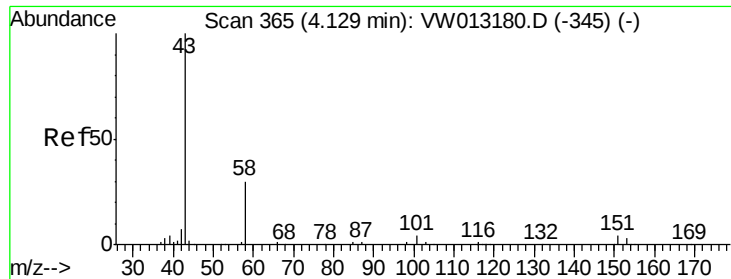
Ion Ratio Lower Upper

53 100

52 20.3 65.3 97.9#

51 57.2 29.0 43.4#





#16

Acetone

Concen: 182.095 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

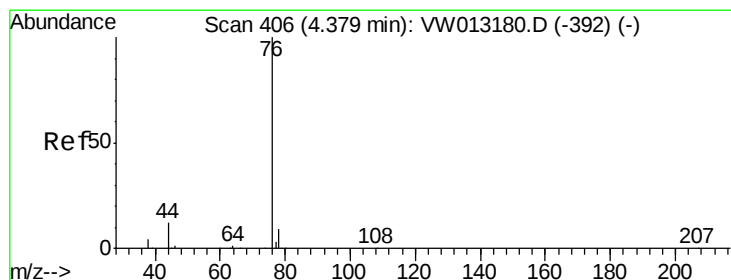
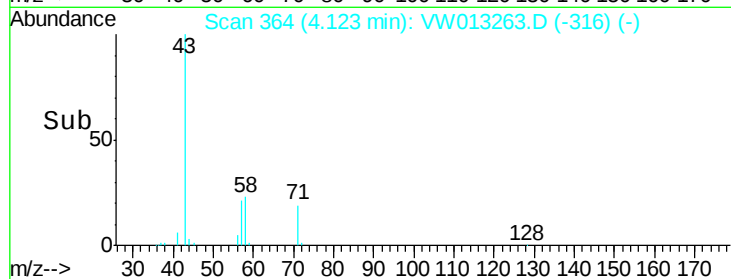
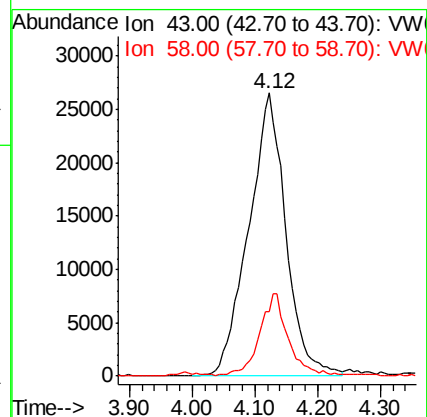
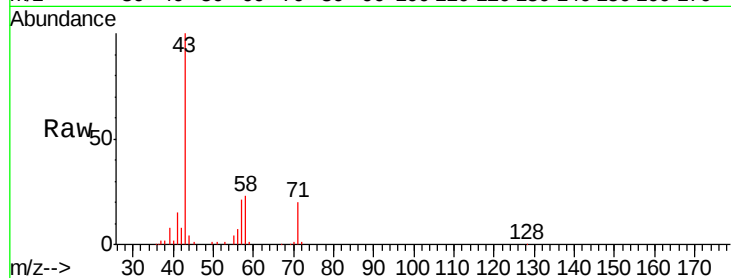
SB-3

Tgt Ion: 43 Resp: 108901

Ion Ratio Lower Upper

43 100

58 22.1 24.1 36.1#



#17

Carbon Disulfide

Concen: 4.517 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW013263.D

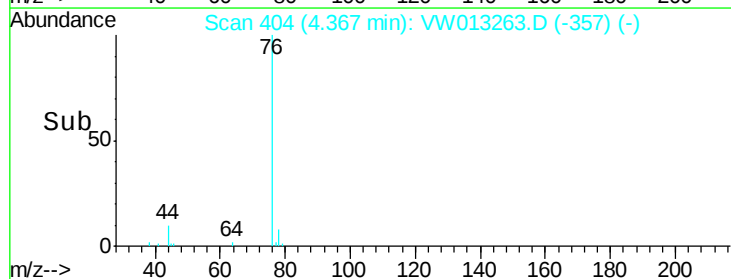
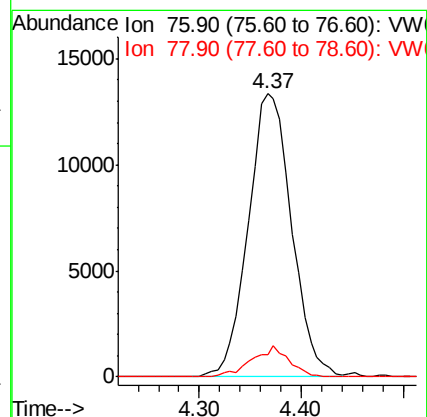
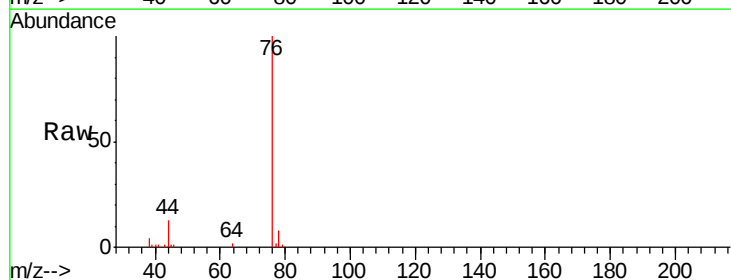
Acq: 24 Sep 2019 07:14

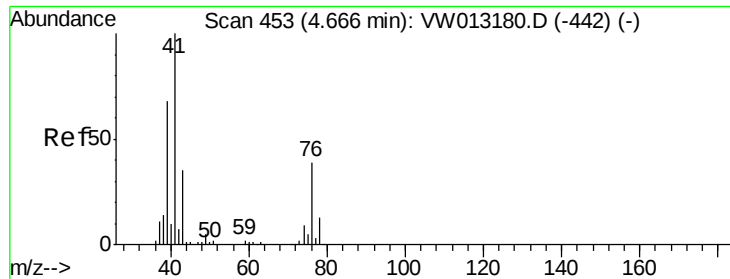
Tgt Ion: 76 Resp: 39424

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.4

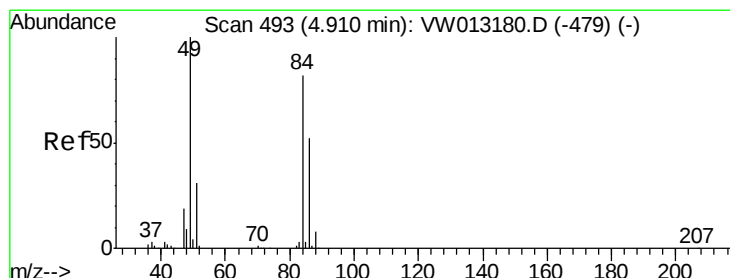
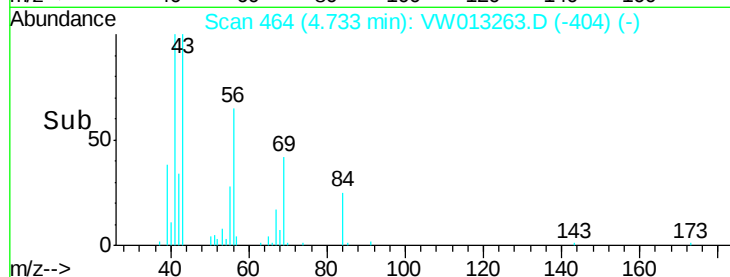
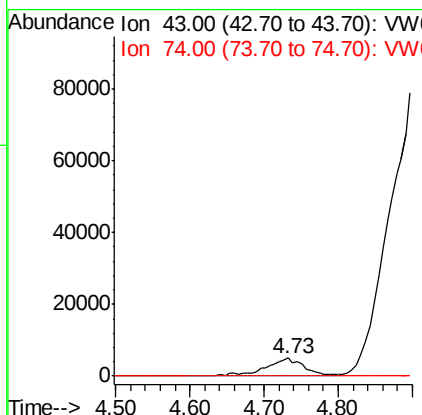
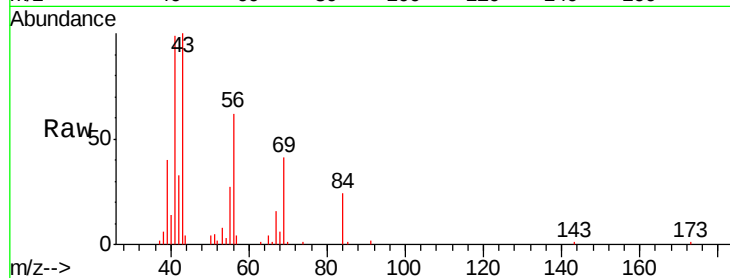




#18
Methyl Acetate
Concen: 10.930 ug/l
RT: 4.73 min Scan# 464
Delta R.T. 0.07 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

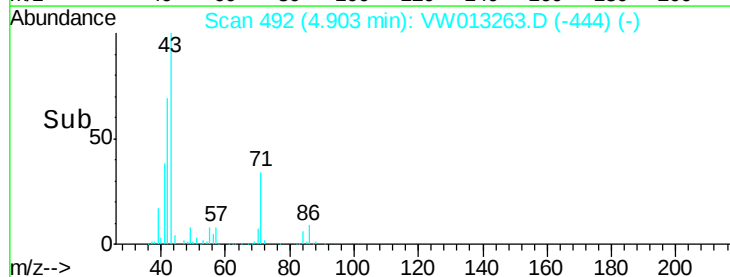
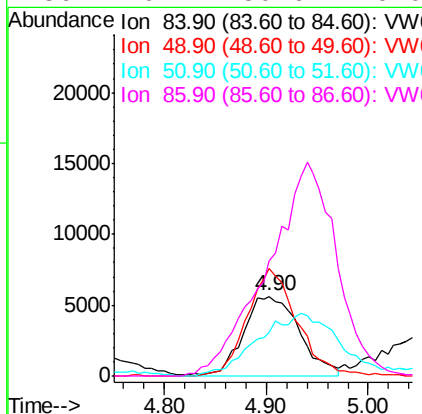
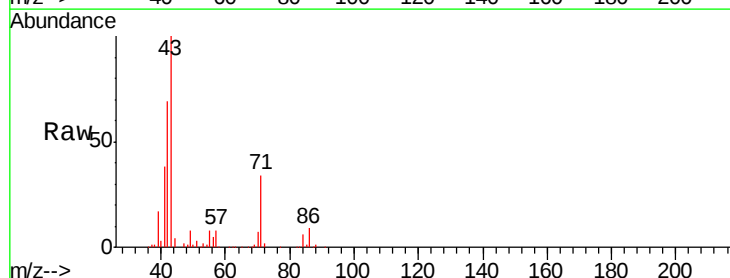
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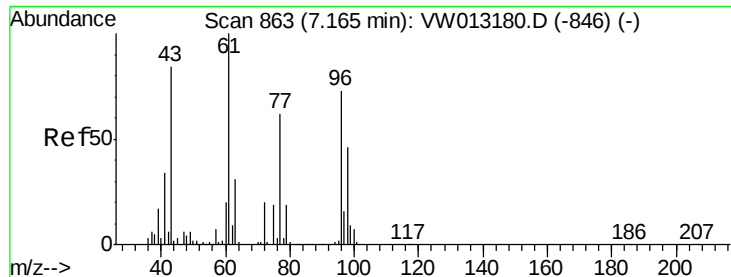
Tgt Ion: 43 Resp: 18375
Ion Ratio Lower Upper
43 100
74 0.2 19.3 28.9#



#20
Methylene Chloride
Concen: 4.355 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 84 Resp: 21430
Ion Ratio Lower Upper
84 100
49 136.3 97.6 146.4
51 54.9 30.2 45.2#
86 140.7 50.6 76.0#





#25

2-Butanone

Concen: 21.307 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

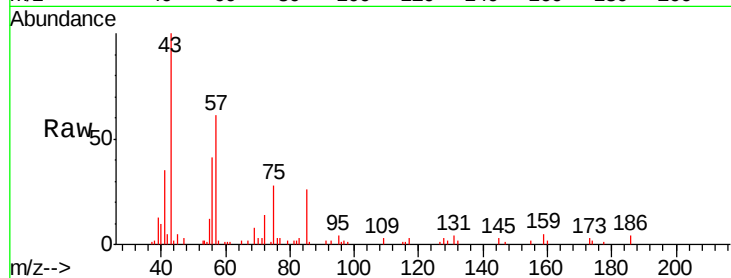
SB-3

Tgt Ion: 43 Resp: 19129

Ion Ratio Lower Upper

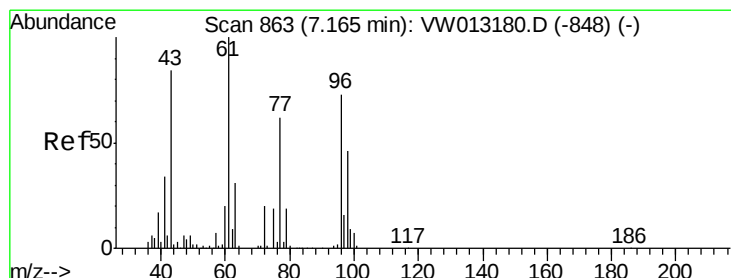
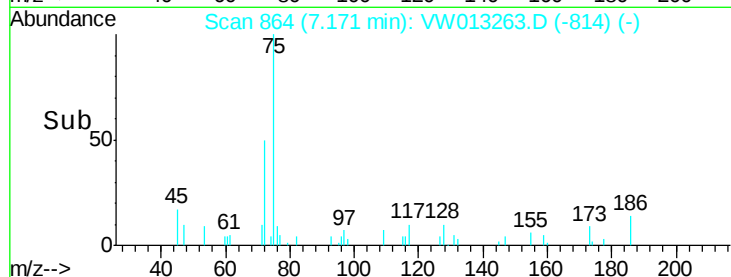
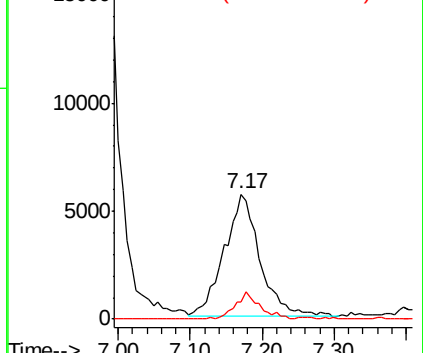
43 100

72 14.5 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.35 min Scan# 894

Delta R.T. 0.19 min

Lab File: VW013263.D

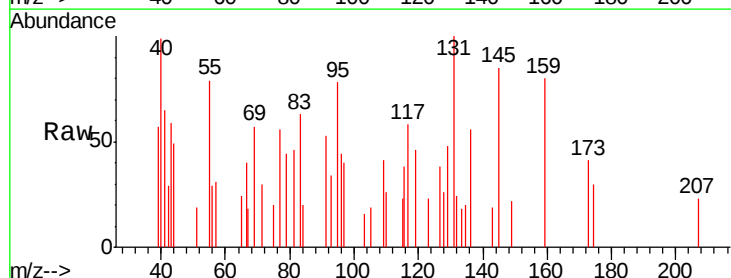
Acq: 24 Sep 2019 07:14

Tgt Ion: 77 Resp: 178

Ion Ratio Lower Upper

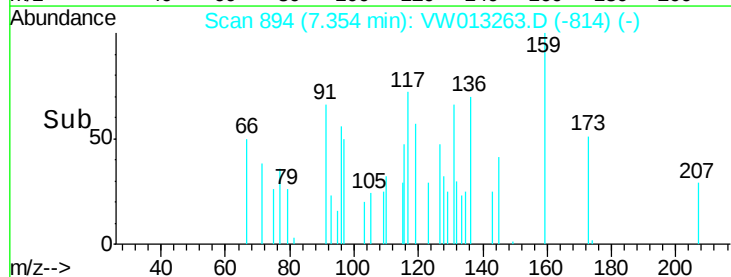
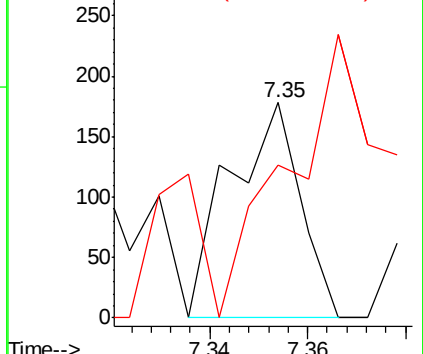
77 100

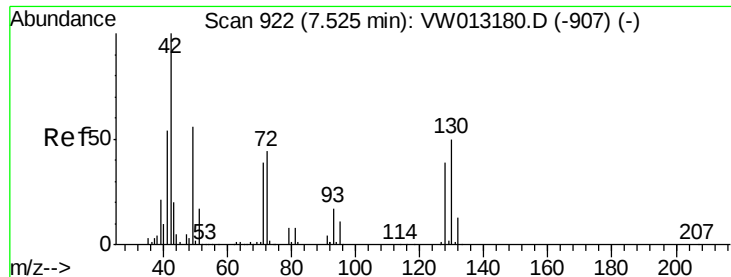
97 194.9 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

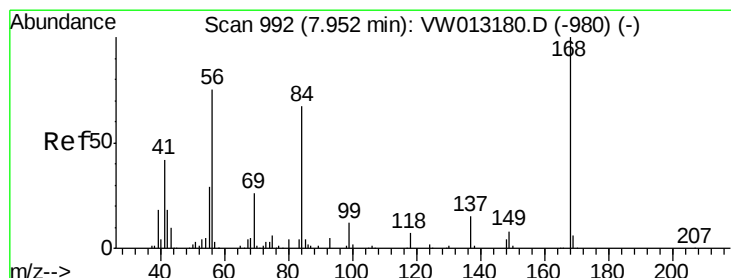
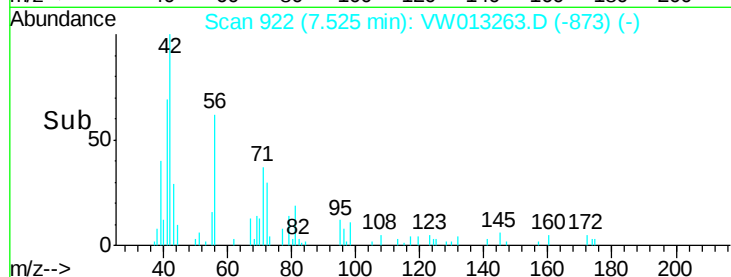
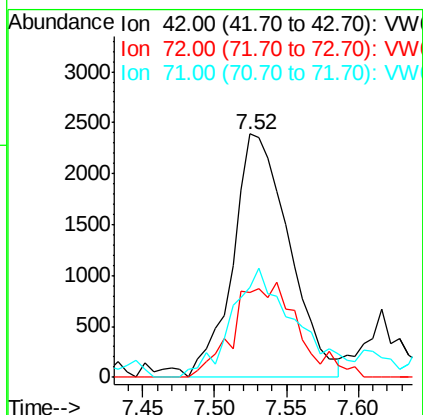
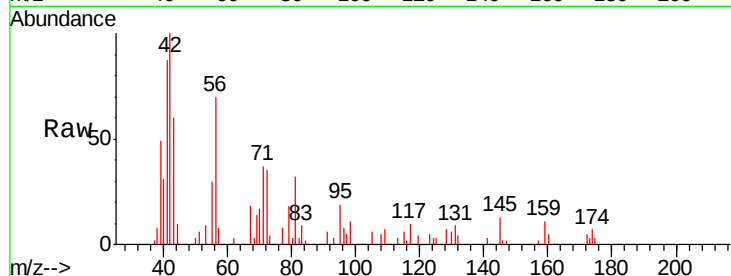




#29
Tetrahydrofuran
Concen: 11.795 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

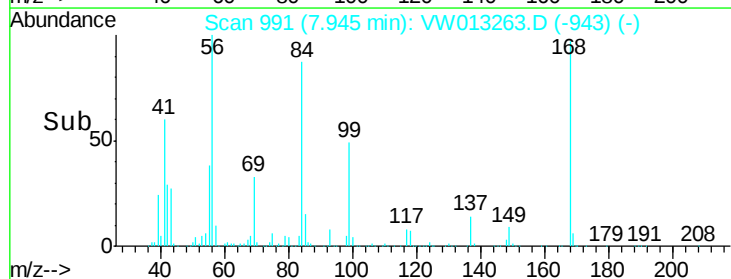
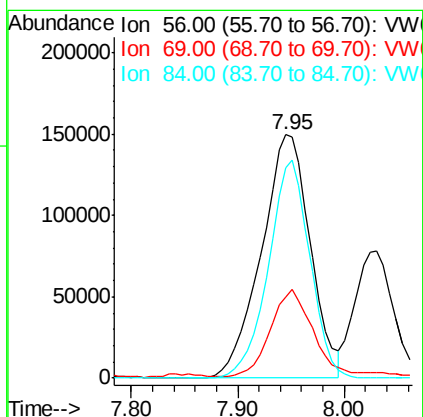
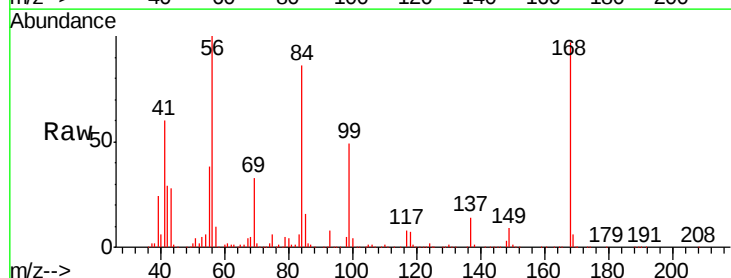
Instrument :
MSVOA_W
ClientSampled :
SB-3

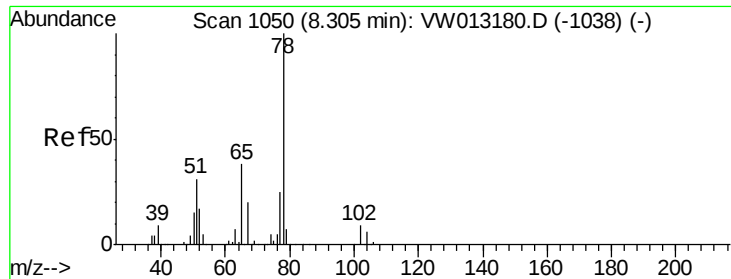
Tgt Ion: 42 Resp: 6494
Ion Ratio Lower Upper
42 100
72 45.0 33.9 50.9
71 51.6 31.9 47.9#



#31
Cyclohexane
Concen: 82.604 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 56 Resp: 474839
Ion Ratio Lower Upper
56 100
69 31.8 27.2 40.8
84 86.7 70.8 106.2

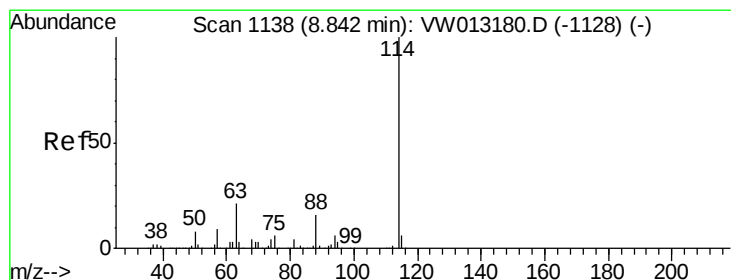
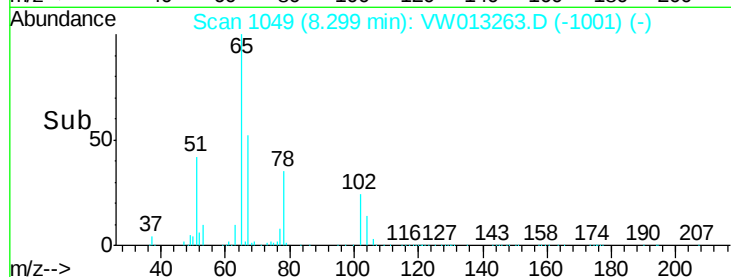
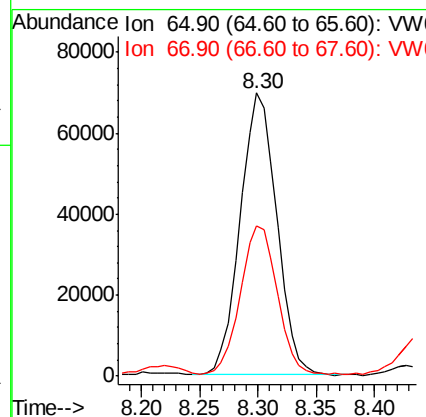
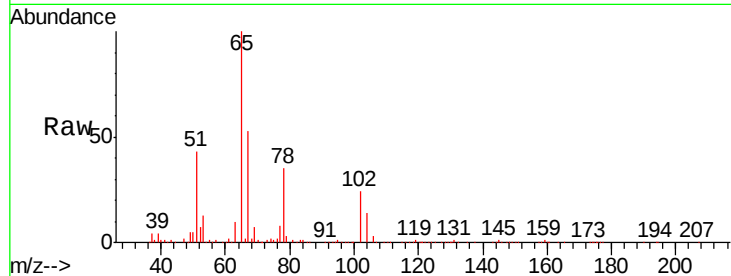




#33
 1,2-Dichloroethane-d4
 Concen: 57.491 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013263.D
 Acq: 24 Sep 2019 07:14

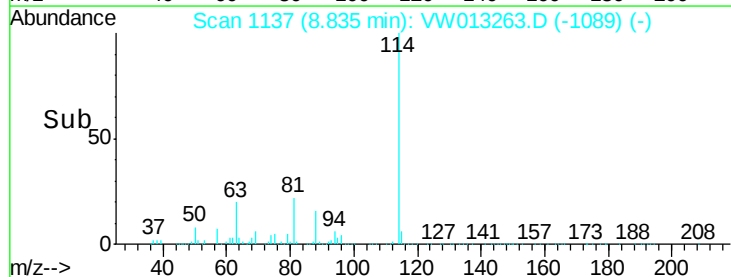
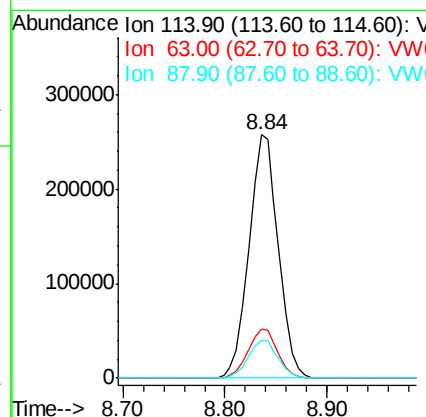
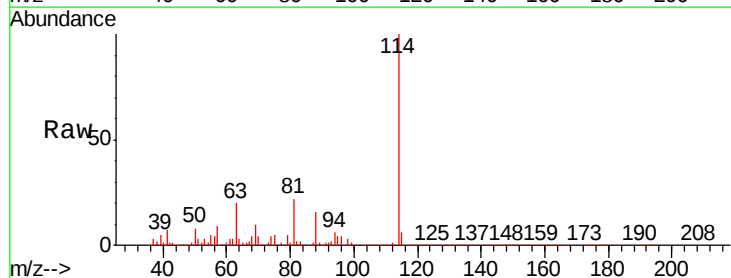
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3

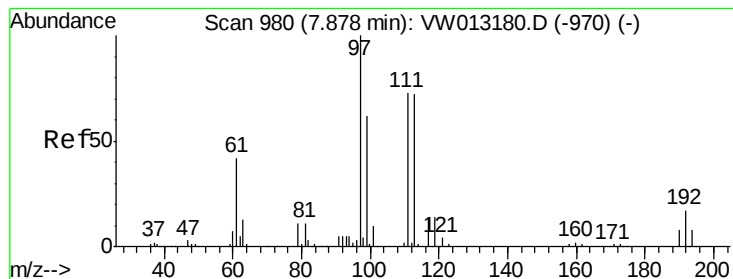
Tgt Ion: 65 Resp: 152463
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013263.D
 Acq: 24 Sep 2019 07:14

Tgt Ion: 114 Resp: 511177
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.508 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

SB-3

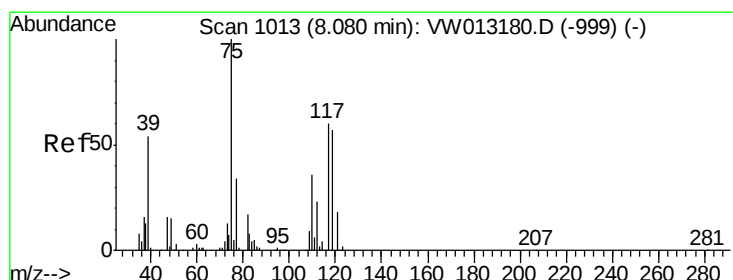
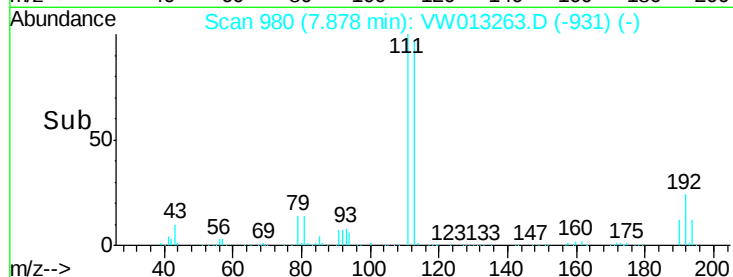
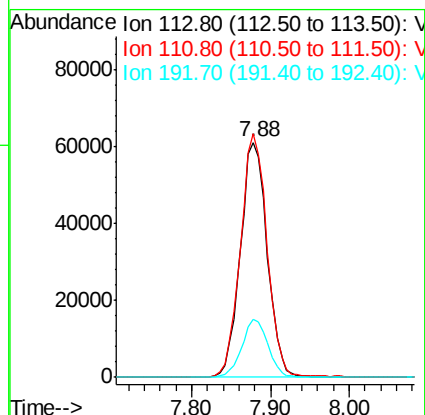
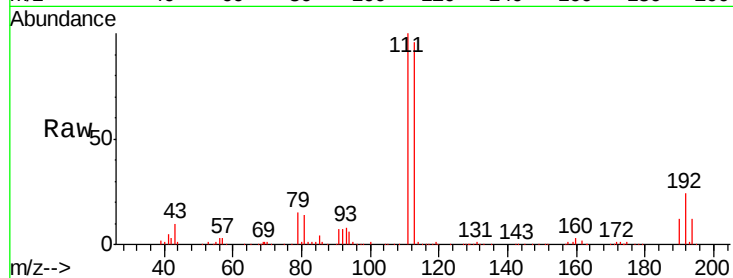
Tgt Ion:113 Resp: 144813

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

192 24.1 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.312 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

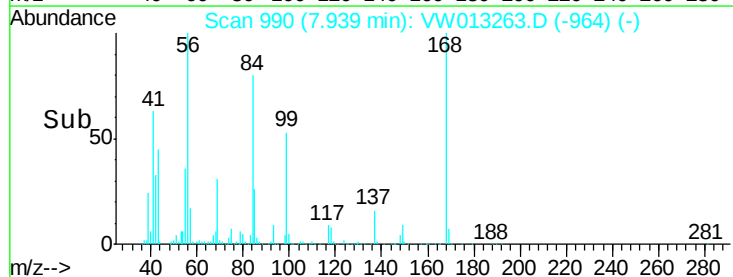
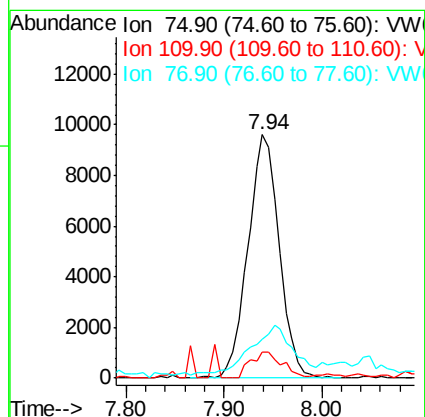
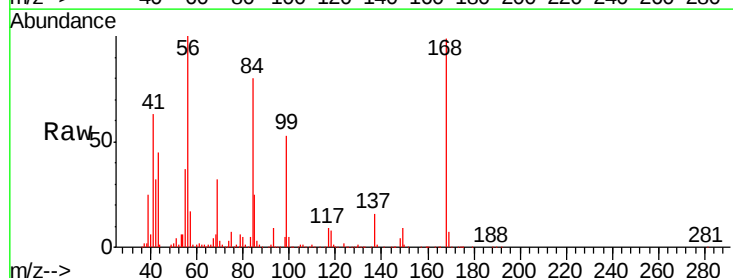
Tgt Ion: 75 Resp: 21348

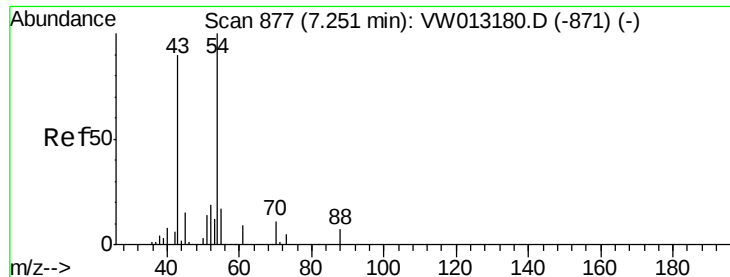
Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.3#

77 27.4 25.8 38.6





#37

Ethyl Acetate

Concen: 9.091 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

SB-3

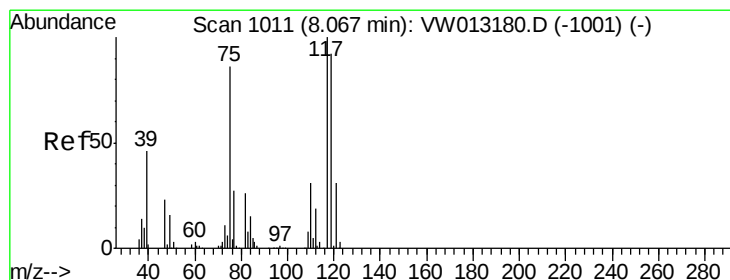
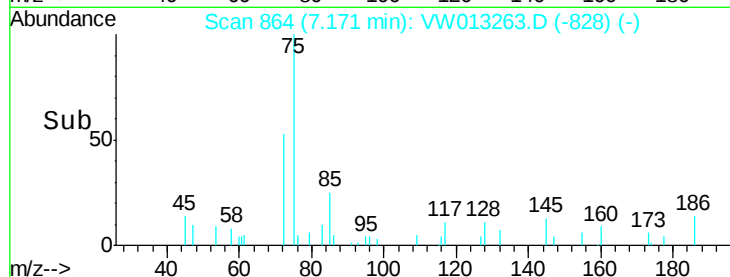
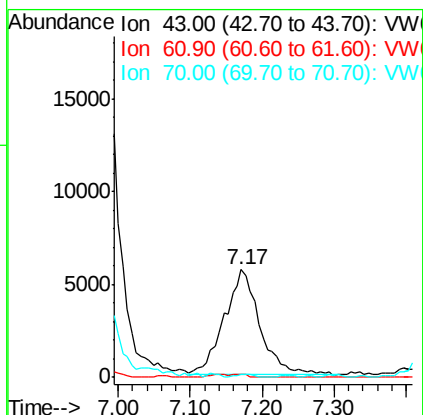
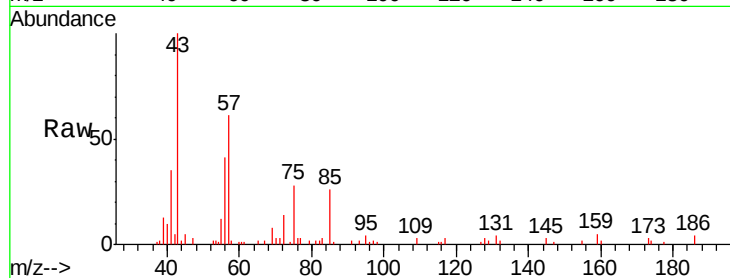
Tgt Ion: 43 Resp: 19129

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

70 0.0 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 6.519 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

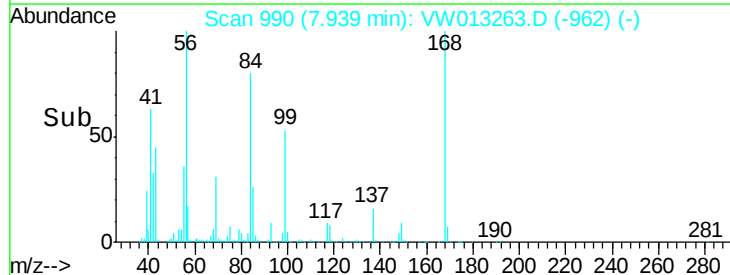
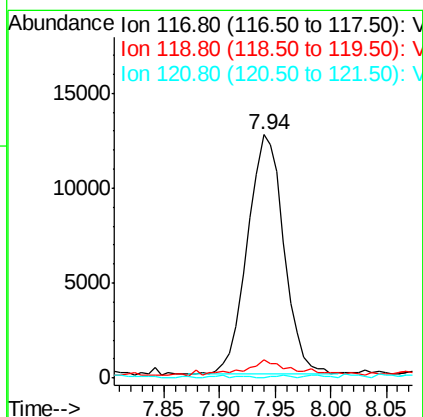
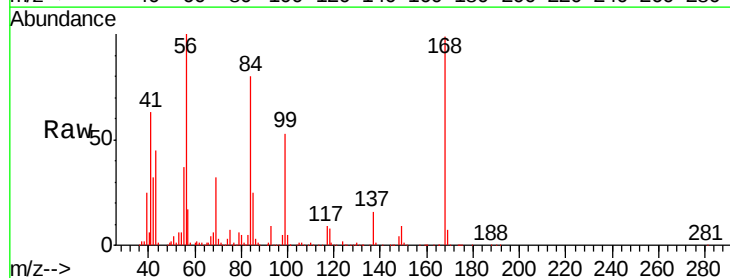
Tgt Ion: 117 Resp: 28932

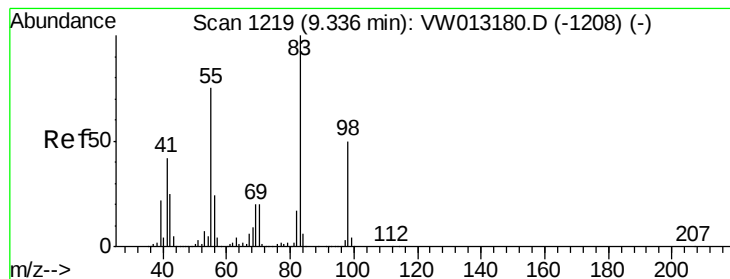
Ion Ratio Lower Upper

117 100

119 6.5 73.5 110.3#

121 0.4 25.0 37.6#





#39

Methylcyclohexane

Concen: 294.155 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

SB-3

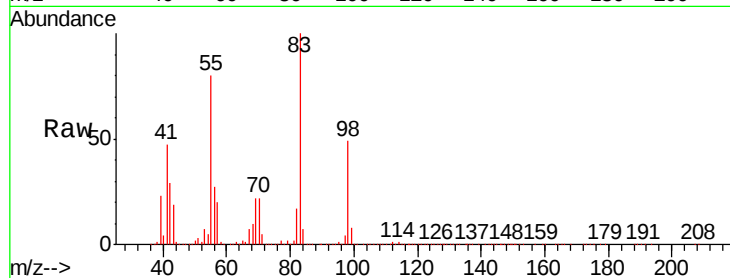
Tgt Ion: 83 Resp: 1871623

Ion Ratio Lower Upper

83 100

55 79.5 60.4 90.6

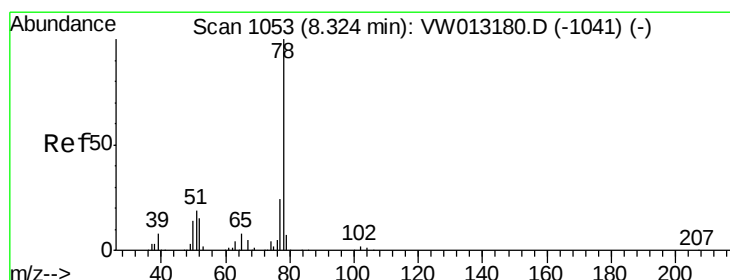
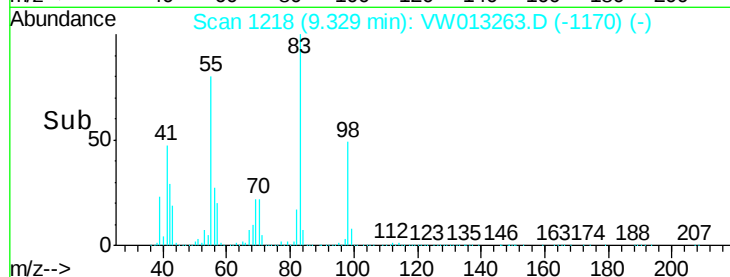
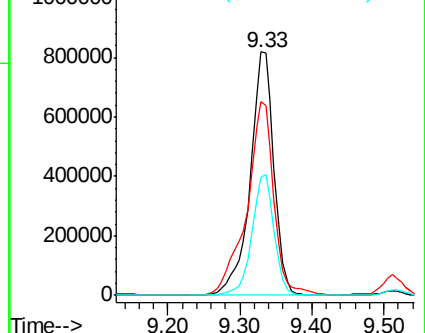
98 48.7 40.0 60.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 9.254 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW013263.D

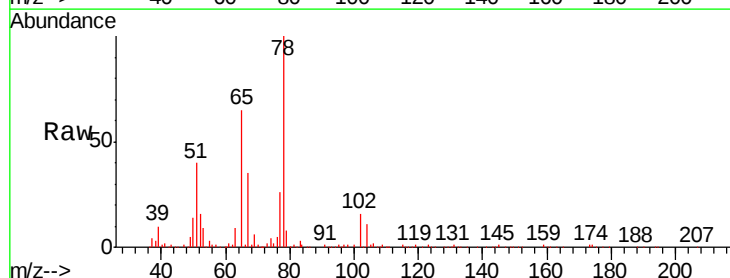
Acq: 24 Sep 2019 07:14

Tgt Ion: 78 Resp: 127793

Ion Ratio Lower Upper

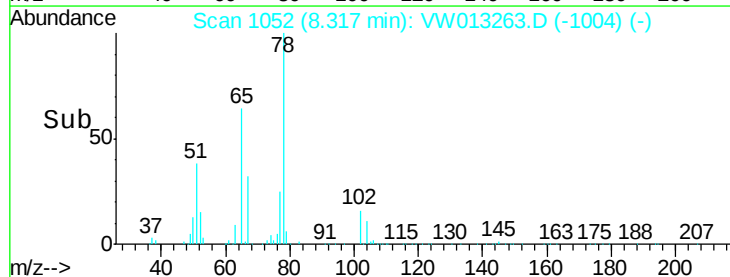
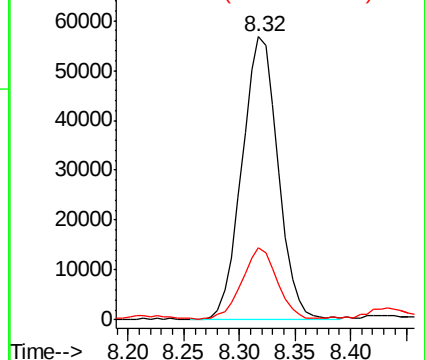
78 100

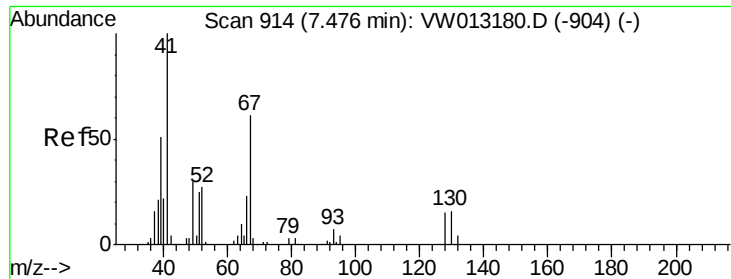
77 25.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

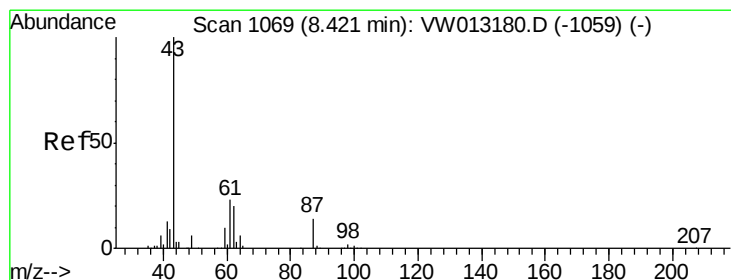
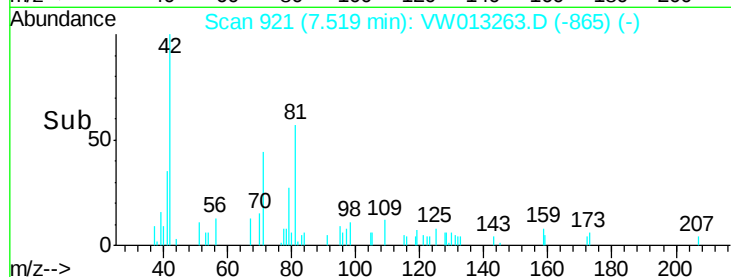
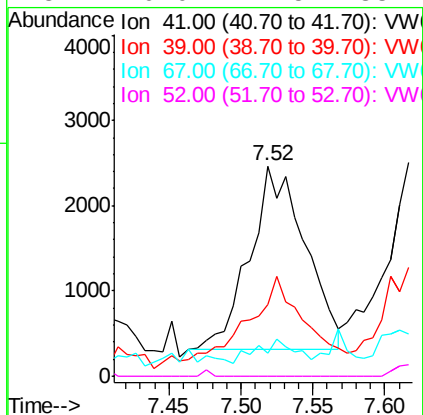
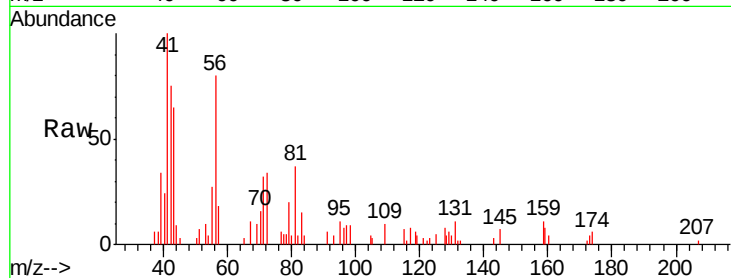




#41
Methacrylonitrile
Concen: 4.577 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.04 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

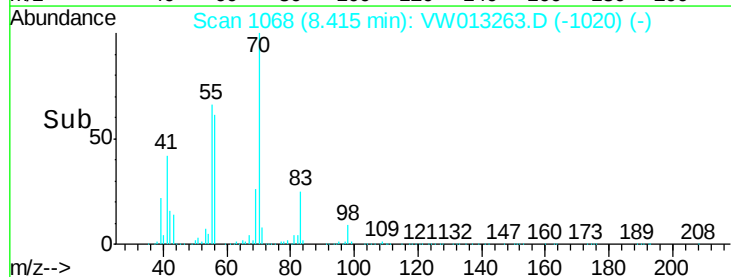
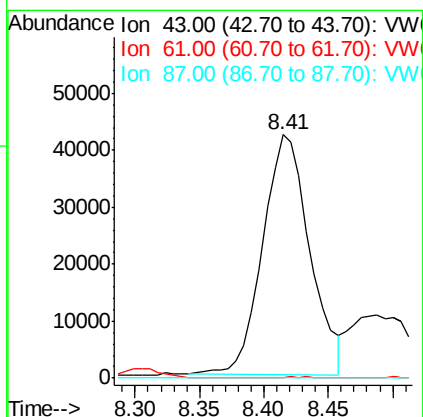
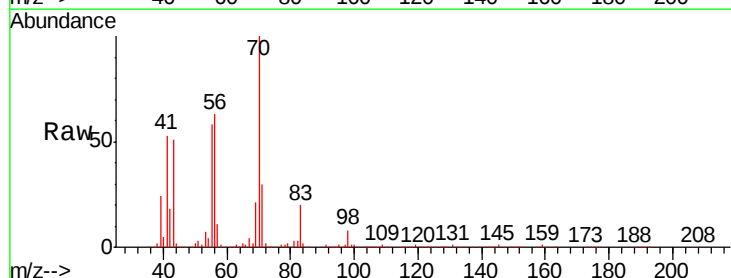
Instrument :
MSVOA_W
ClientSampleId :
SB-3

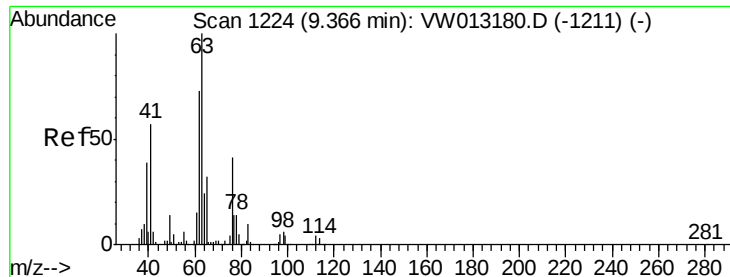
Tgt Ion:	41	Resp:	5748
Ion	Ratio	Lower	Upper
41	100		
39	55.8	45.9	68.9
67	0.0	54.5	81.7#
52	0.0	22.5	33.7#



#43
Isopropyl Acetate
Concen: 26.546 ug/l
RT: 8.41 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion:	43	Resp:	107059
Ion	Ratio	Lower	Upper
43	100		
61	0.4	25.5	38.3#
87	0.0	11.0	16.4#





#45

1,2-Dichloropropane

Concen: 5.423 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

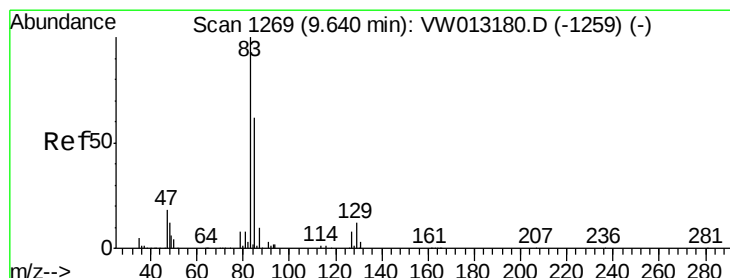
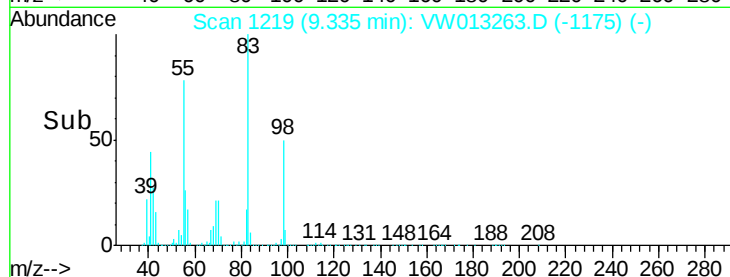
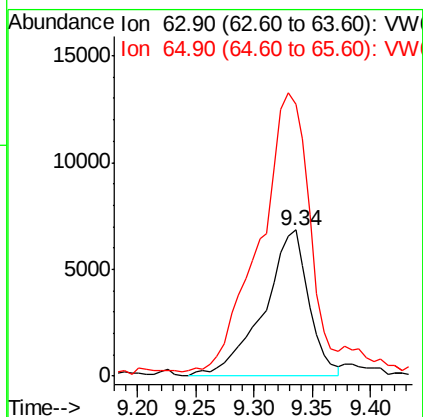
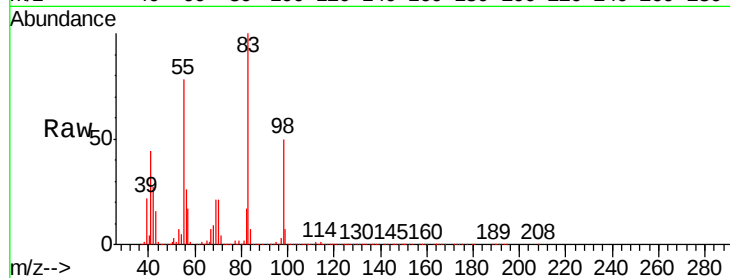
SB-3

Tgt Ion: 63 Resp: 18283

Ion Ratio Lower Upper

63 100

65 182.3 25.3 37.9#



#47

Bromodichloromethane

Concen: 12.611 ug/l

RT: 9.61 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

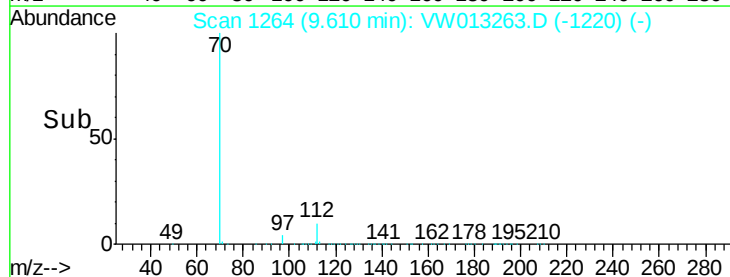
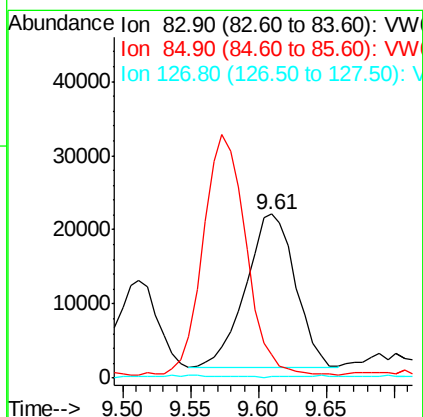
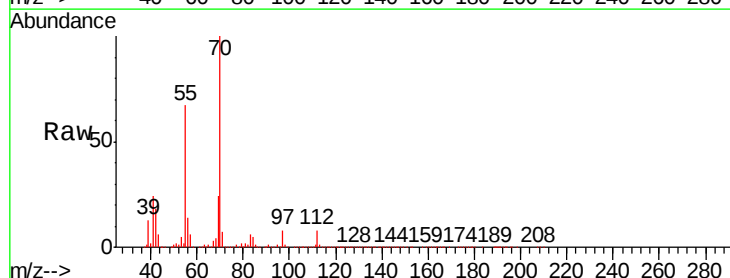
Tgt Ion: 83 Resp: 52526

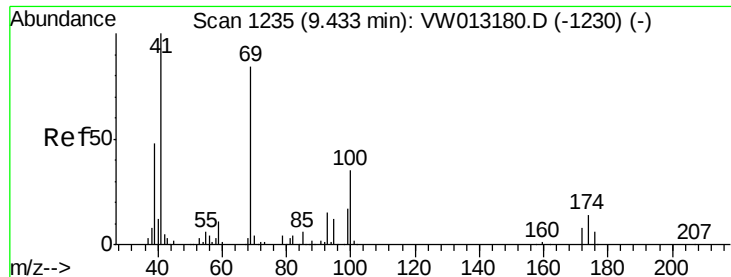
Ion Ratio Lower Upper

83 100

85 13.1 49.4 74.2#

127 0.0 6.5 9.7#

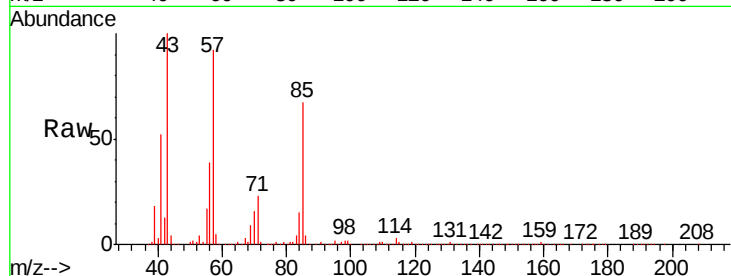




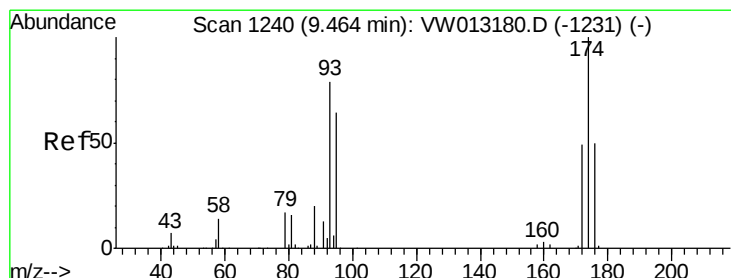
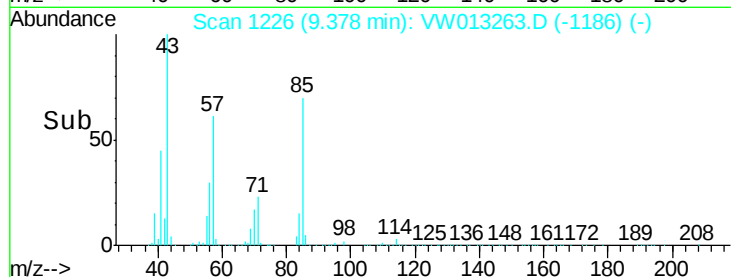
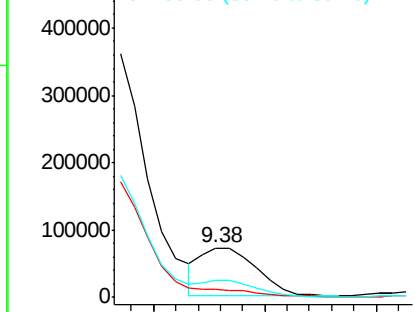
#48
Methyl methacrylate
Concen: 65.284 ug/l
RT: 9.38 min Scan# 1226
Delta R.T. -0.06 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampled :
SB-3

Tgt Ion: 41 Resp: 123804
Ion Ratio Lower Upper
41 100
69 0.0 69.7 104.5#
39 0.0 41.1 61.7#

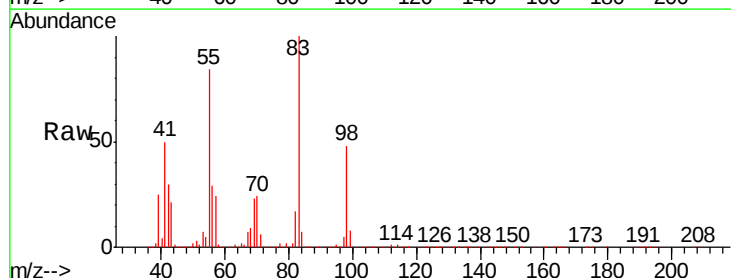


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

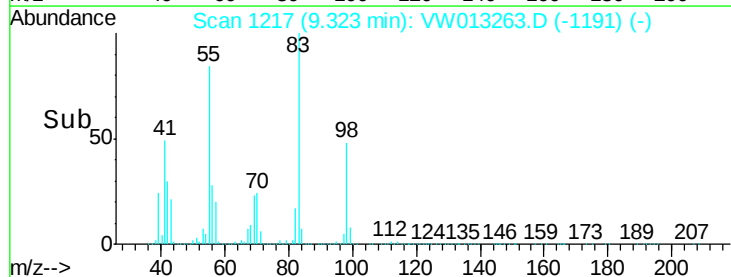
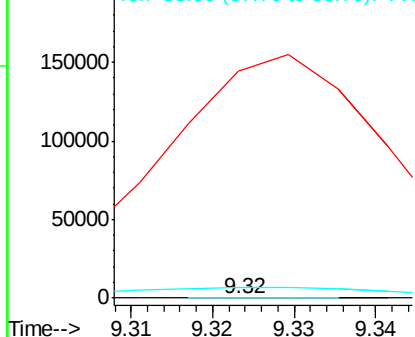


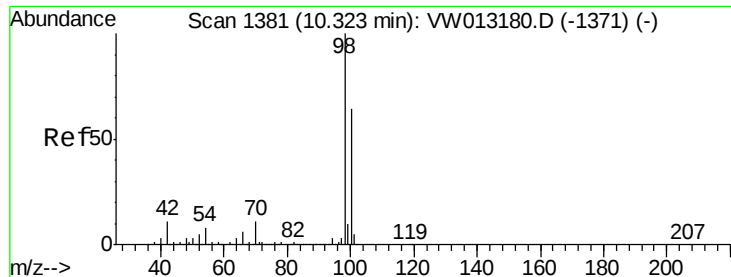
#49
1,4-Dioxane
Concen: 1.587 ug/l
RT: 9.32 min Scan# 1217
Delta R.T. -0.14 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 865407.7 0.0 0.0#
58 52735.9 65.4 98.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 79.937 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

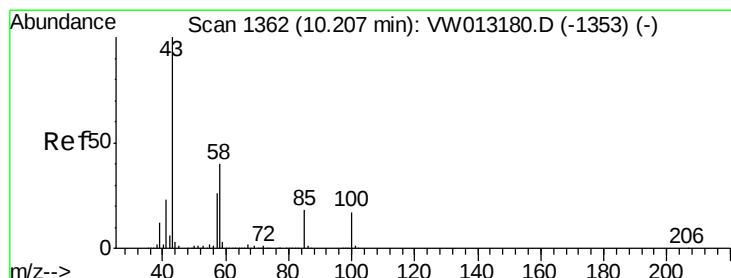
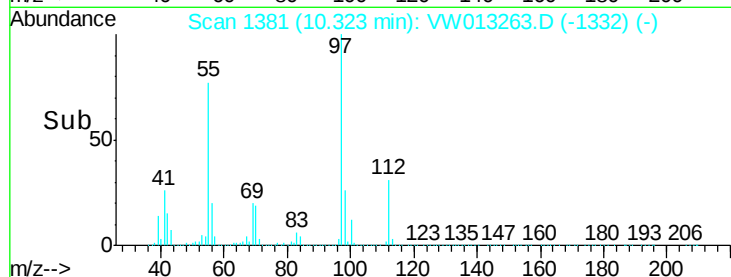
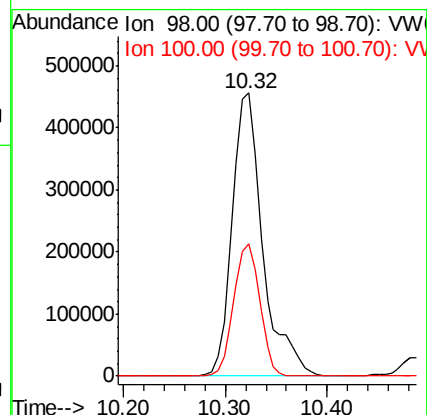
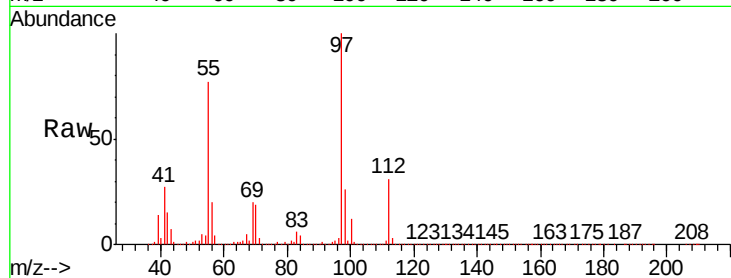
SB-3

Tgt Ion: 98 Resp: 940566

Ion Ratio Lower Upper

98 100

100 40.2 52.9 79.3#



#51

4-Methyl-2-Pentanone

Concen: 32.357 ug/l

RT: 10.24 min Scan# 1368

Delta R.T. 0.04 min

Lab File: VW013263.D

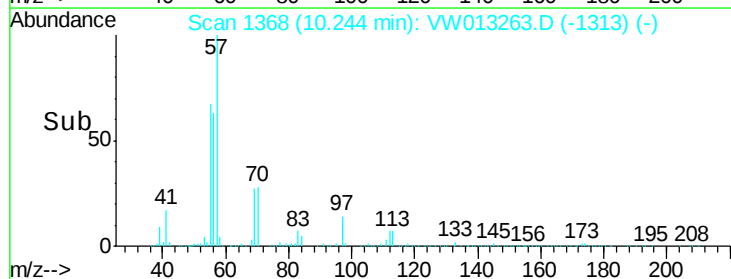
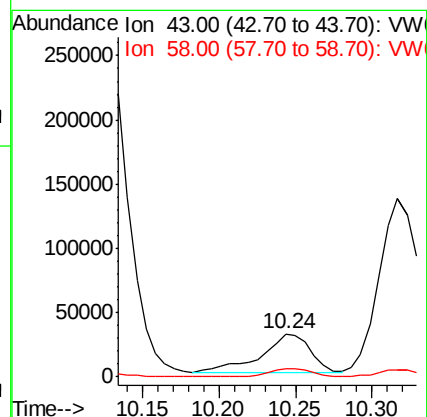
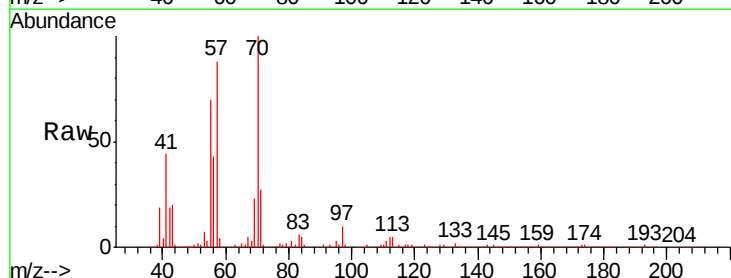
Acq: 24 Sep 2019 07:14

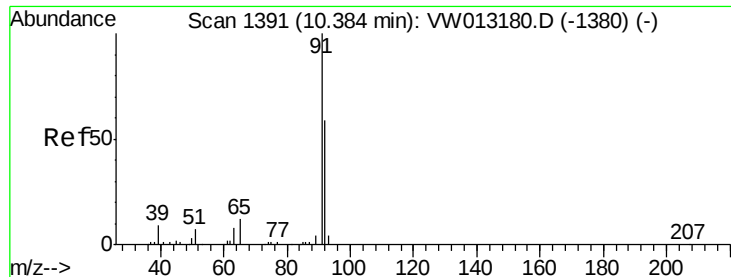
Tgt Ion: 43 Resp: 65420

Ion Ratio Lower Upper

43 100

58 17.8 31.7 47.5#





#52

Toluene

Concen: 9.334 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

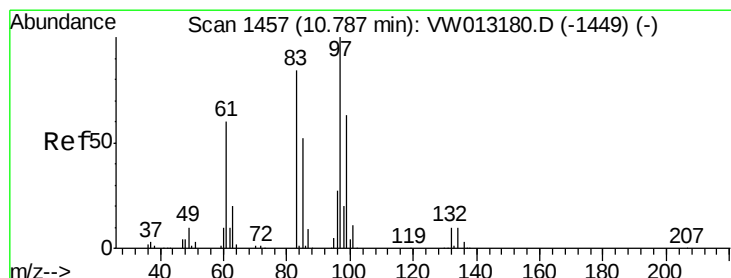
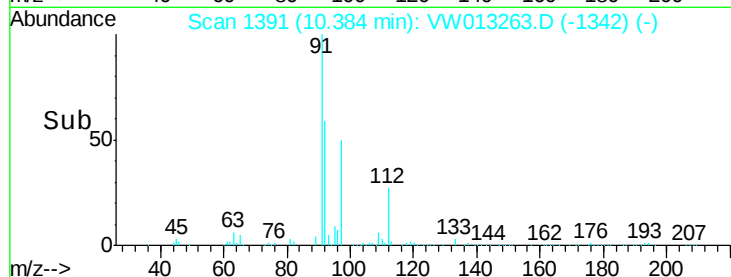
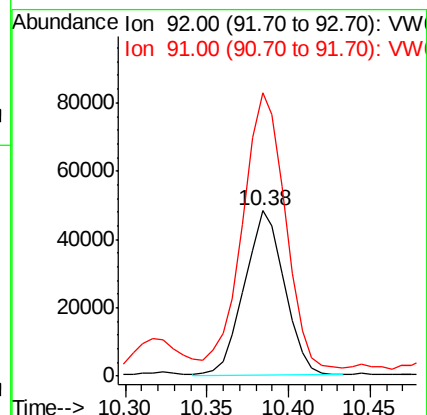
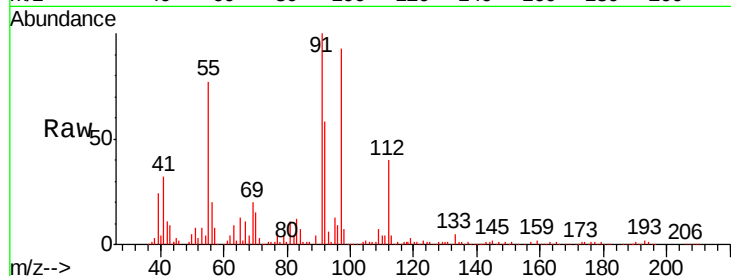
SB-3

Tgt Ion: 92 Resp: 82617

Ion Ratio Lower Upper

92 100

91 176.3 135.7 203.5



#55

1,1,2-Trichloroethane

Concen: 635.166 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Tgt Ion: 97 Resp: 1554041

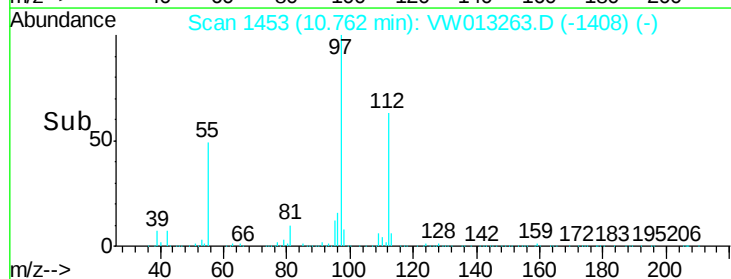
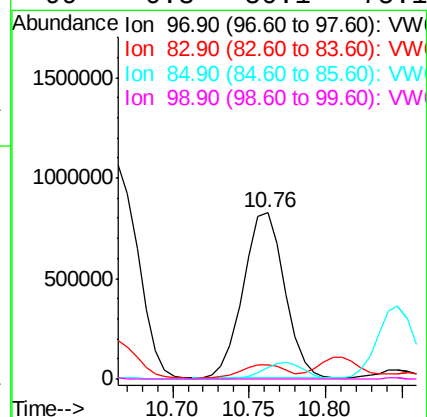
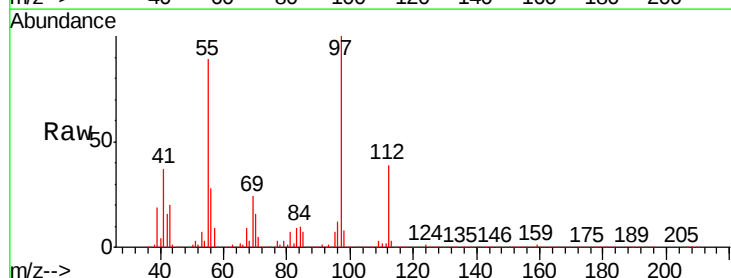
Ion Ratio Lower Upper

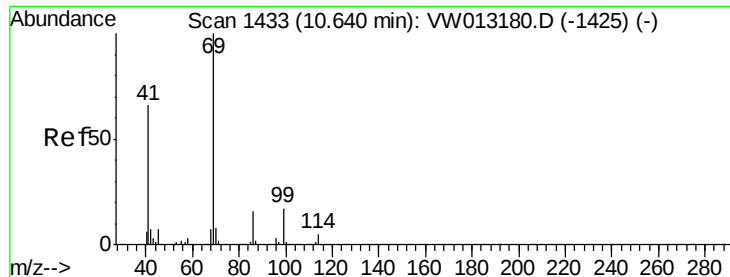
97 100

83 8.2 67.6 101.4#

85 6.5 41.9 62.9#

99 0.3 50.1 75.1#





#56

Ethyl methacrylate

Concen: 84.714 ug/l

RT: 10.62 min Scan# 1430

Delta R.T. -0.02 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

SB-3

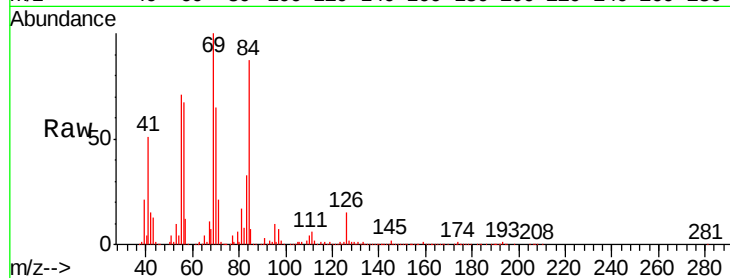
Tgt Ion: 69 Resp: 271255

Ion Ratio Lower Upper

69 100

41 64.7 53.9 80.9

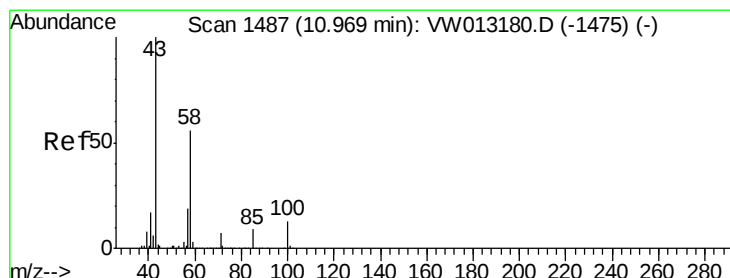
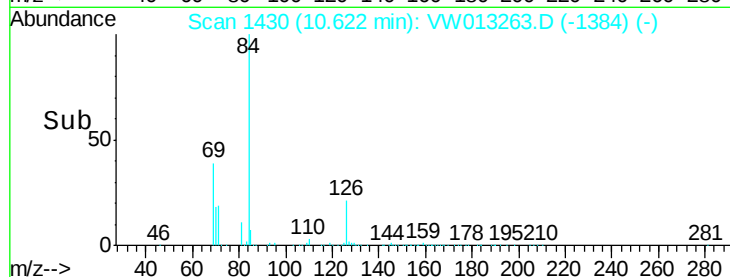
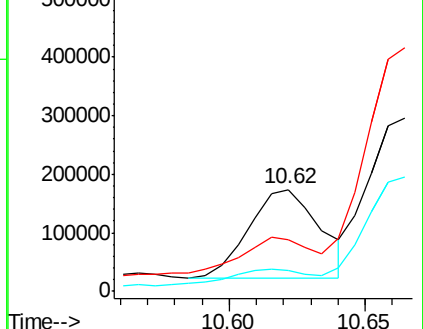
39 28.0 23.8 35.6



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



#59

2-Hexanone

Concen: 2119.021 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW013263.D

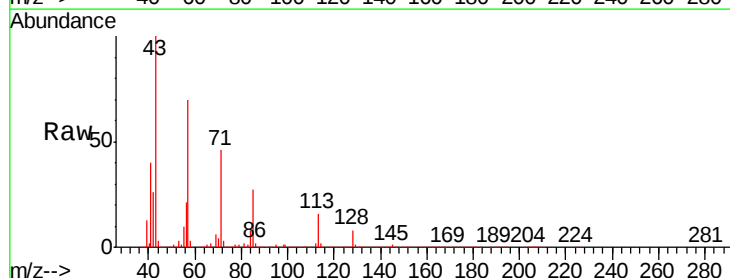
Acq: 24 Sep 2019 07:14

Tgt Ion: 43 Resp: 2947542

Ion Ratio Lower Upper

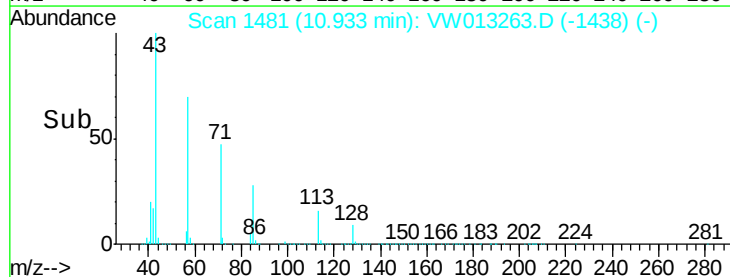
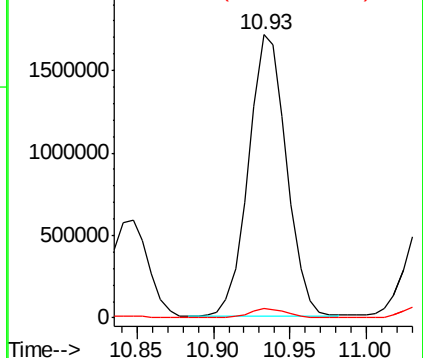
43 100

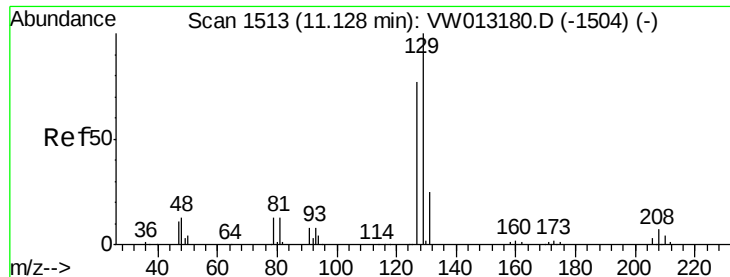
58 3.3 28.1 84.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#60

Dibromochloromethane

Concen: 7.580 ug/l

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

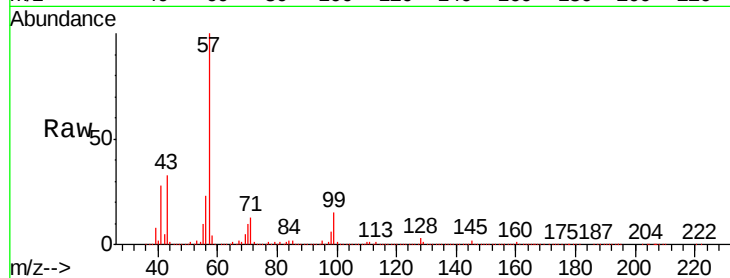
SB-3

Tgt Ion:129 Resp: 21059

Ion Ratio Lower Upper

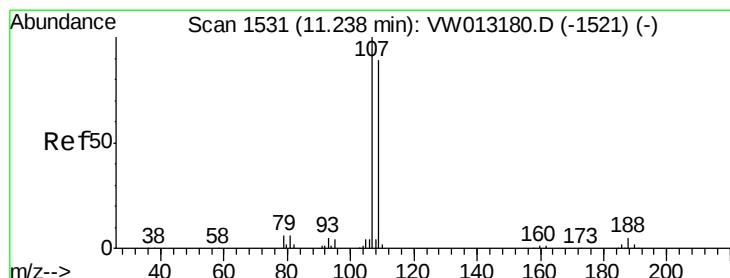
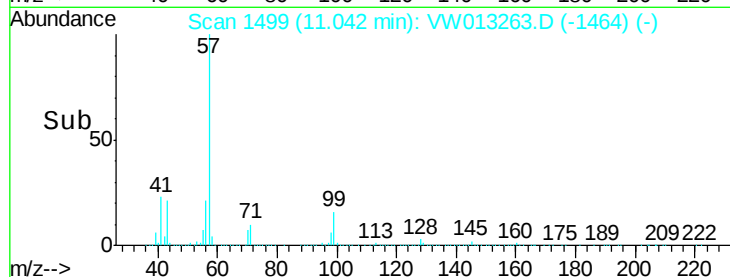
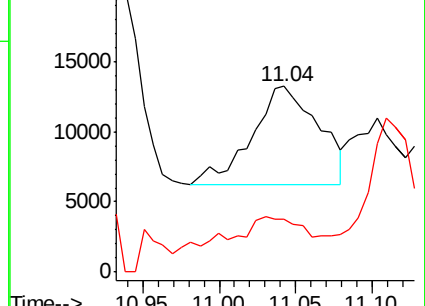
129 100

127 24.1 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.068 ug/l

RT: 11.21 min Scan# 1527

Delta R.T. -0.02 min

Lab File: VW013263.D

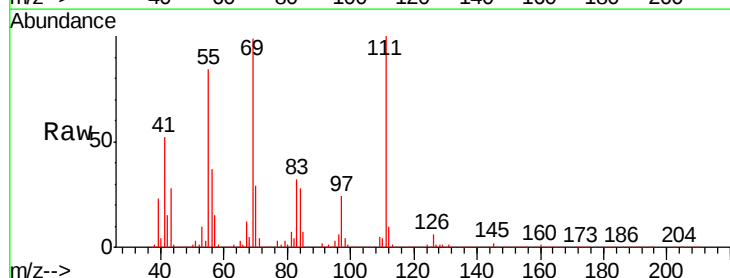
Acq: 24 Sep 2019 07:14

Tgt Ion:107 Resp: 4810

Ion Ratio Lower Upper

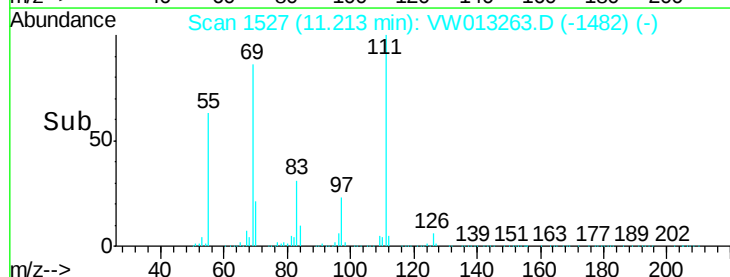
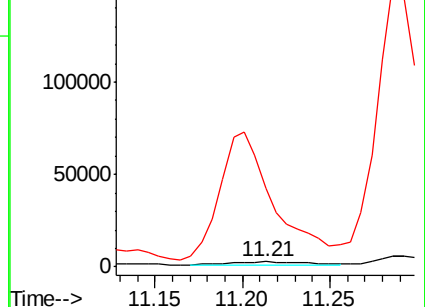
107 100

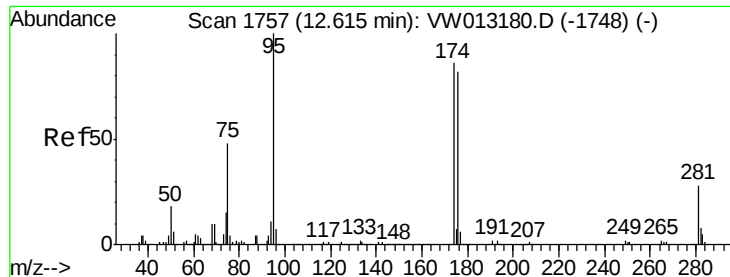
109 3098.3 75.2 112.8#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 174.387 ug/l

RT: 12.61 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

SB-3

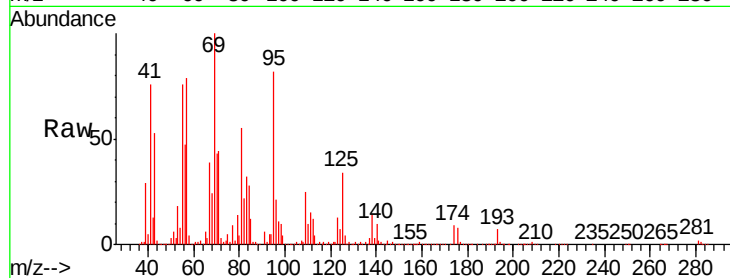
Tgt Ion: 95 Resp: 700911

Ion Ratio Lower Upper

95 100

174 17.7 0.0 178.4

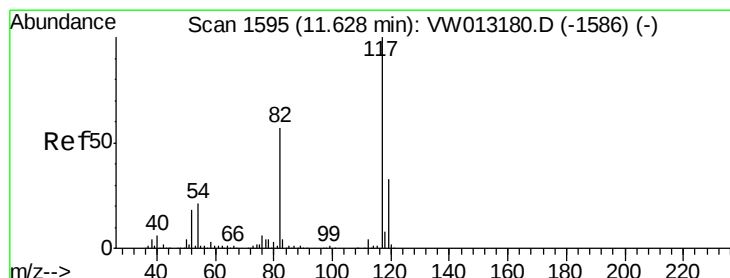
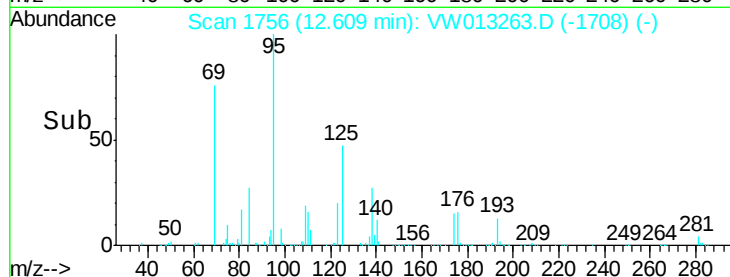
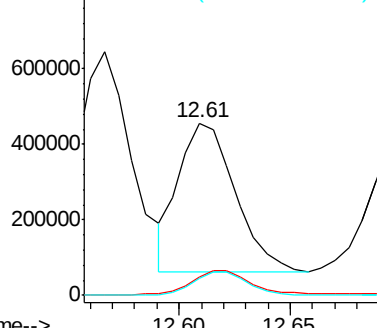
176 15.0 0.0 172.2



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: VW013263.D

Acq: 24 Sep 2019 07:14

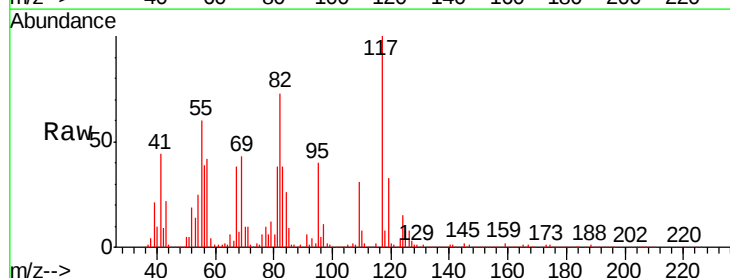
Tgt Ion: 117 Resp: 377870

Ion Ratio Lower Upper

117 100

82 11.2 45.9 68.9#

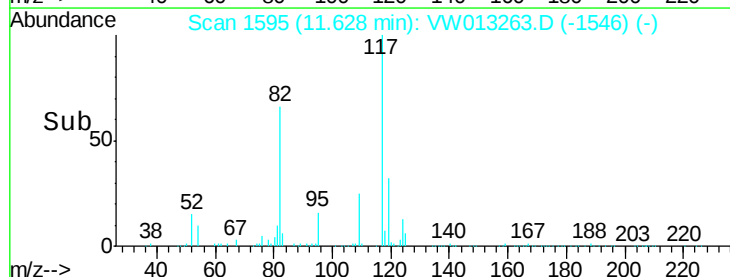
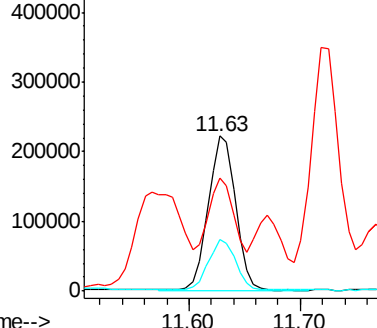
119 32.3 26.2 39.2

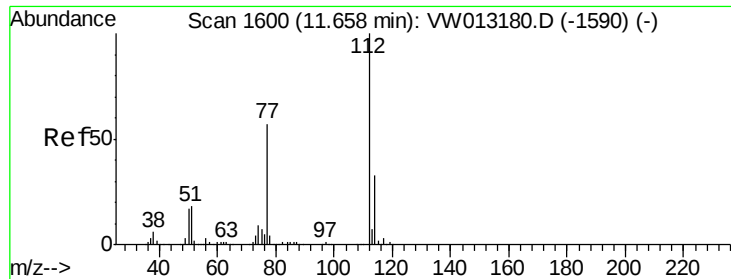


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#65

Chlorobenzene

Concen: 4.162 ug/l

RT: 11.55 min Scan# 1583

Delta R.T. -0.10 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

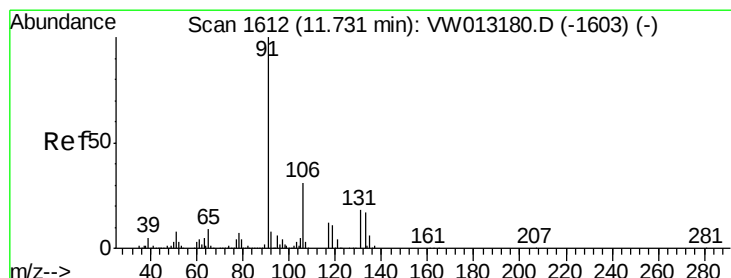
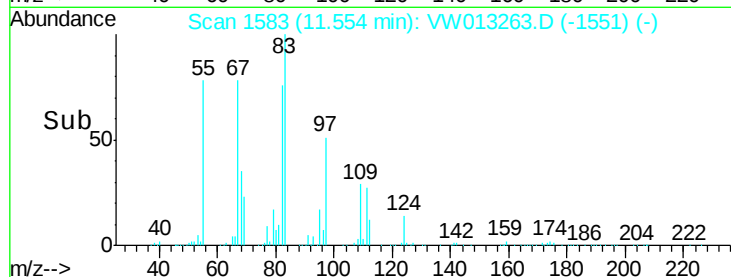
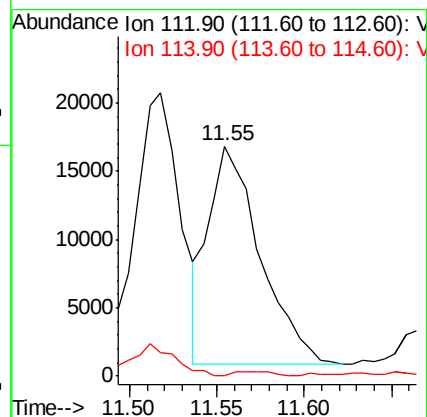
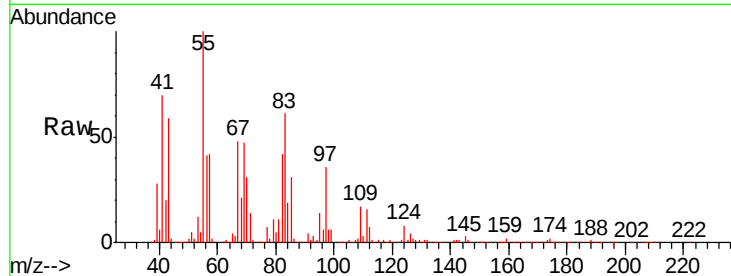
SB-3

Tgt Ion:112 Resp: 32838

Ion Ratio Lower Upper

112 100

114 0.0 26.5 39.7#



#67

Ethyl Benzene

Concen: 274.386 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013263.D

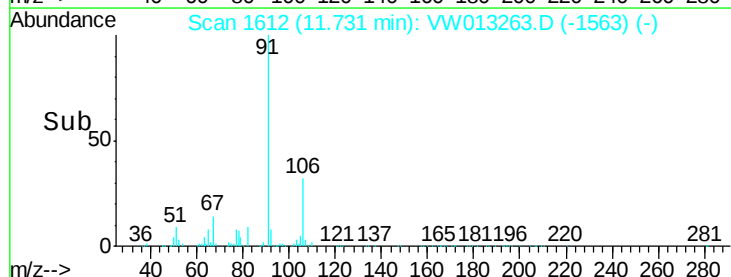
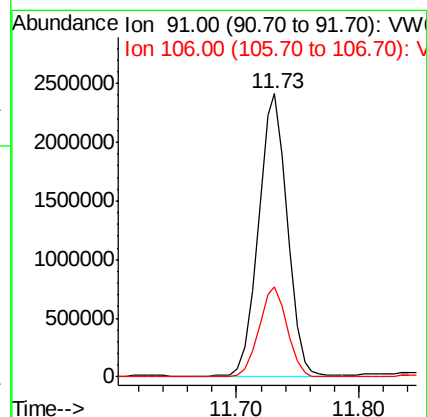
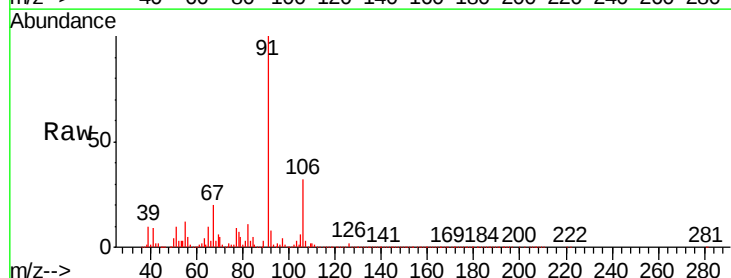
Acq: 24 Sep 2019 07:14

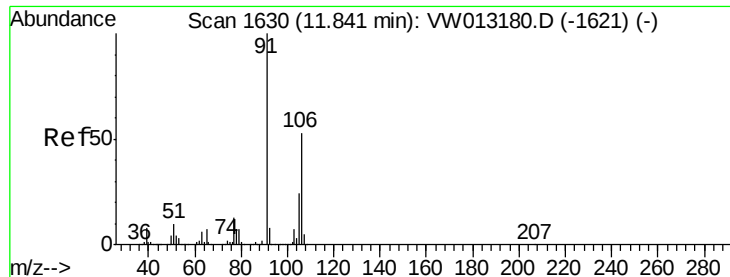
Tgt Ion: 91 Resp: 3922913

Ion Ratio Lower Upper

91 100

106 31.9 24.9 37.3

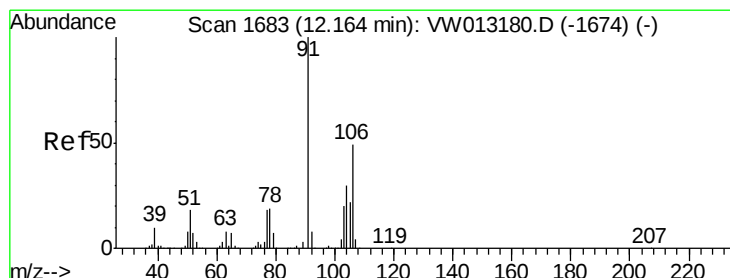
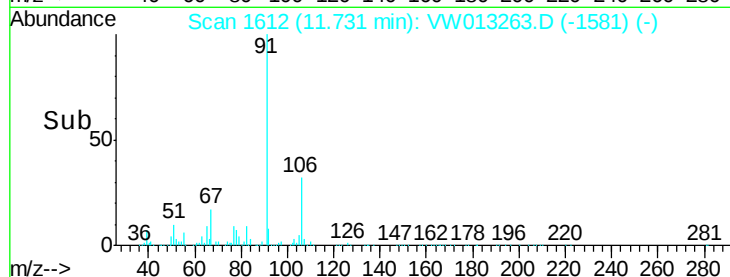
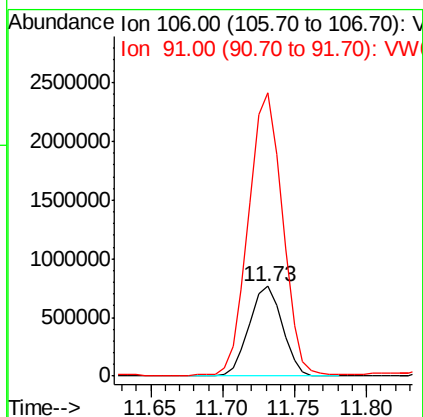
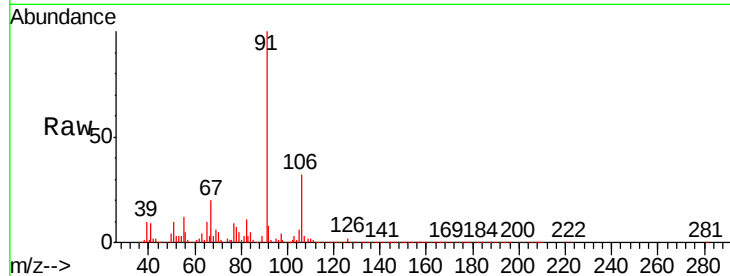




#68
m/p-Xylenes
Concen: 225.068 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.11 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

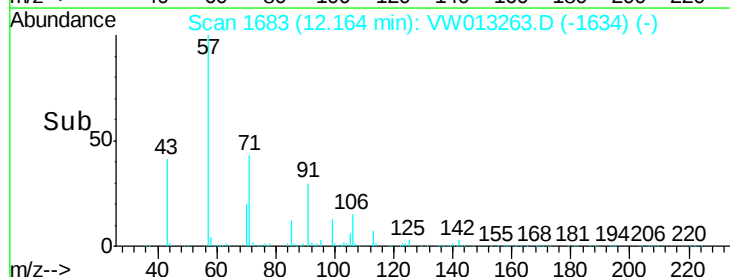
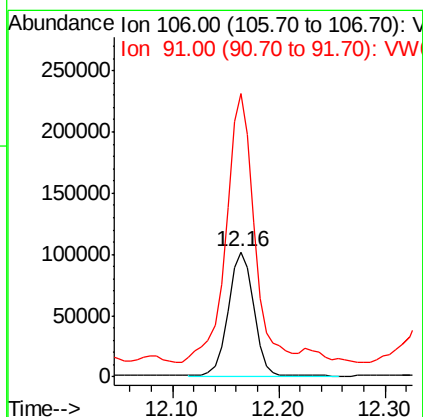
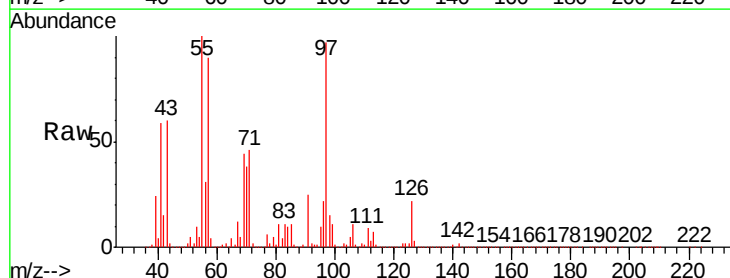
Instrument :
MSVOA_W
ClientSampled :
SB-3

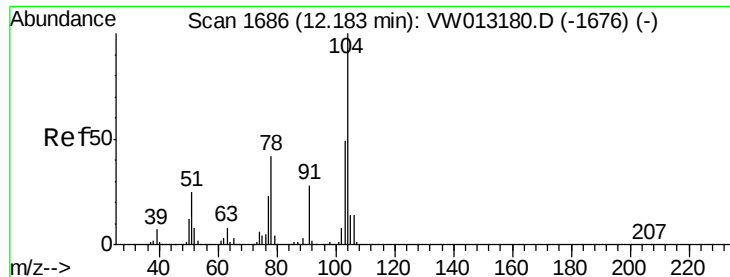
Tgt Ion:106 Resp: 1226188
Ion Ratio Lower Upper
106 100
91 319.9 157.9 236.9#



#69
o-Xylene
Concen: 33.713 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion:106 Resp: 170762
Ion Ratio Lower Upper
106 100
91 237.0 106.5 319.5

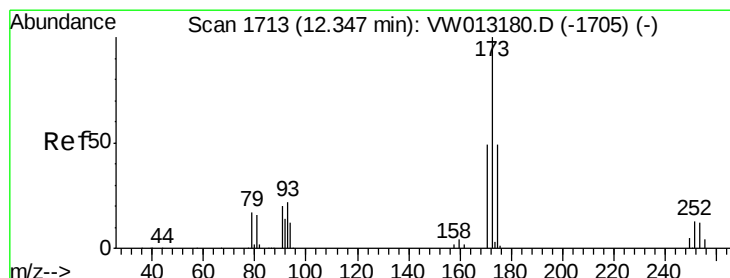
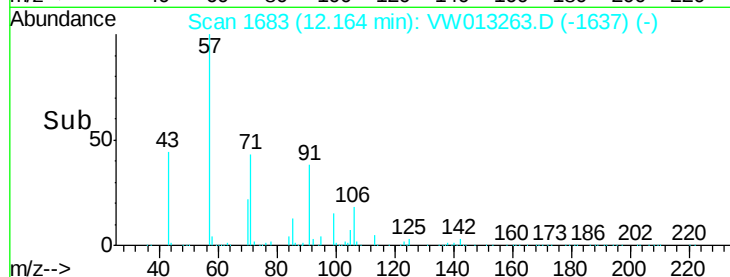
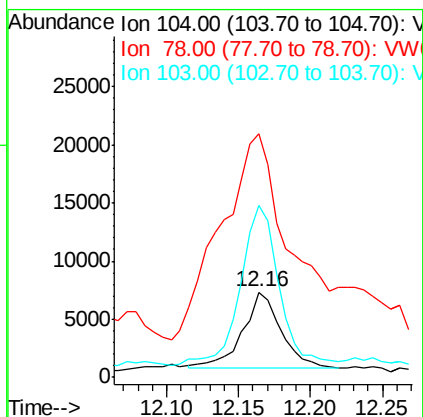
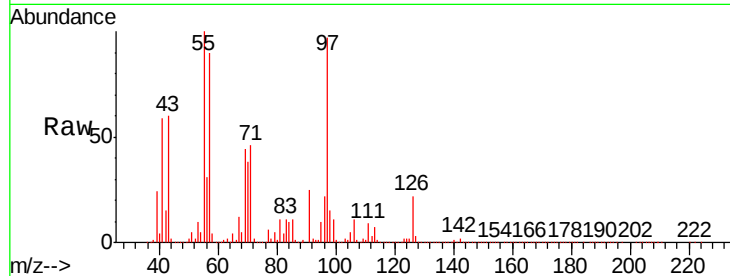




#70
Styrene
Concen: 1.399 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

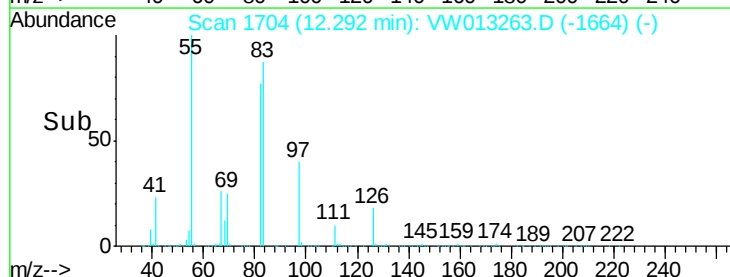
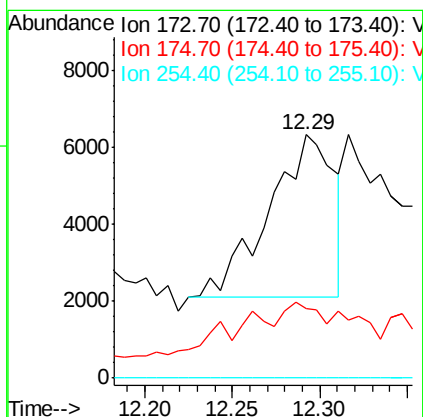
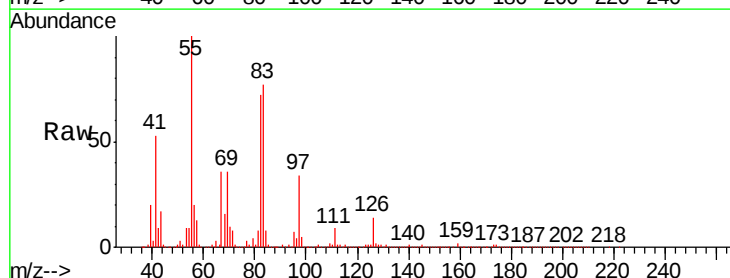
Instrument :
MSVOA_W
ClientSampled :
SB-3

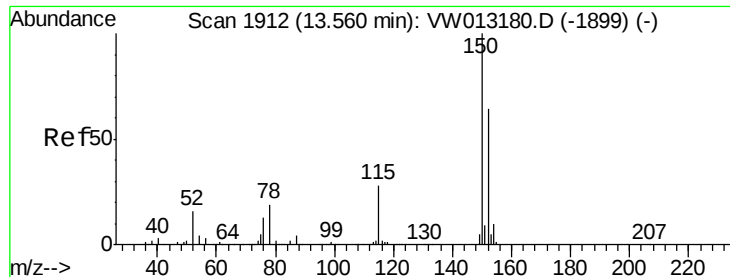
Tgt Ion:104 Resp: 12162
Ion Ratio Lower Upper
104 100
78 499.5 38.4 57.6#
103 208.3 43.3 64.9#



#71
Bromoform
Concen: 7.700 ug/l
RT: 12.29 min Scan# 1704
Delta R.T. -0.06 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion:173 Resp: 10966
Ion Ratio Lower Upper
173 100
175 8.1 24.3 73.0#
254 0.0 0.1 0.1#



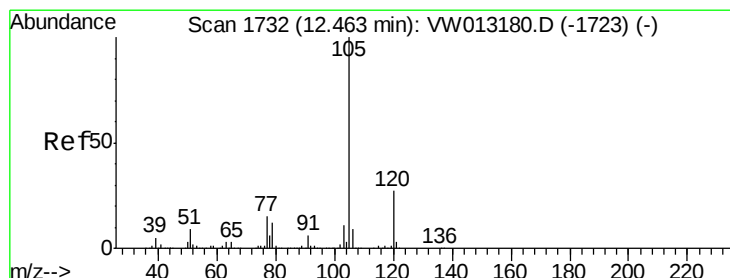
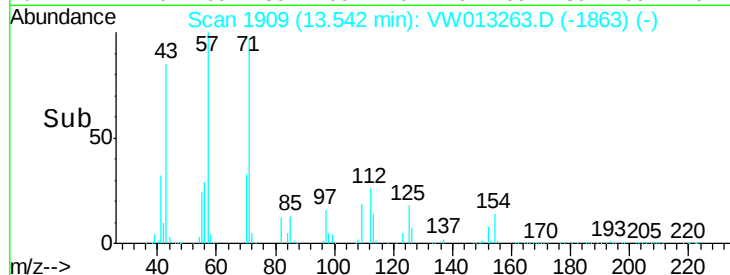
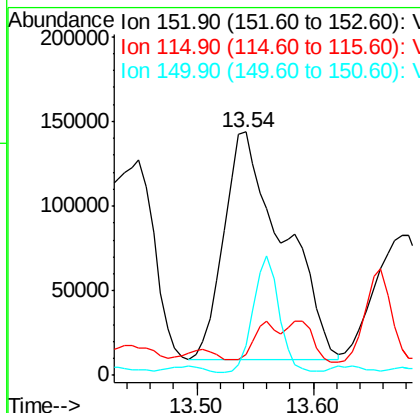
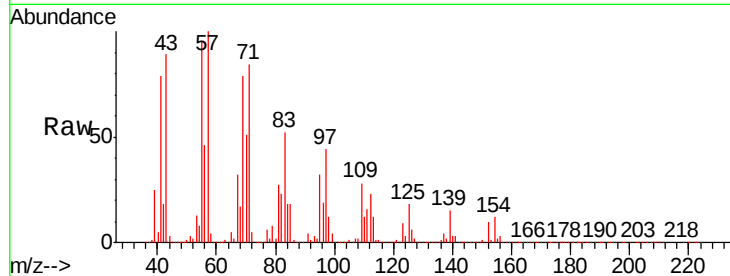


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.54 min Scan# 1909
Delta R.T. -0.02 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampled :
SB-3

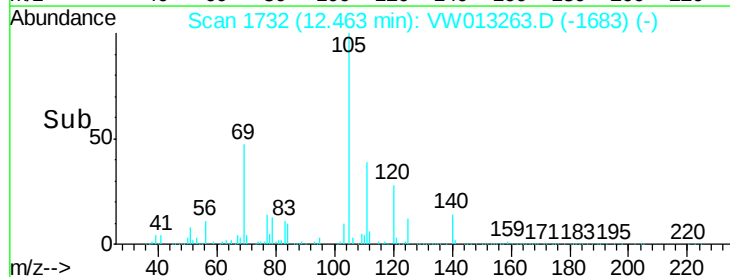
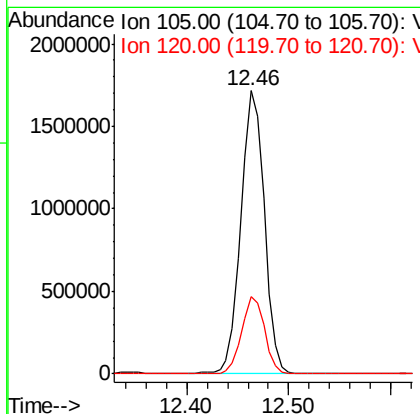
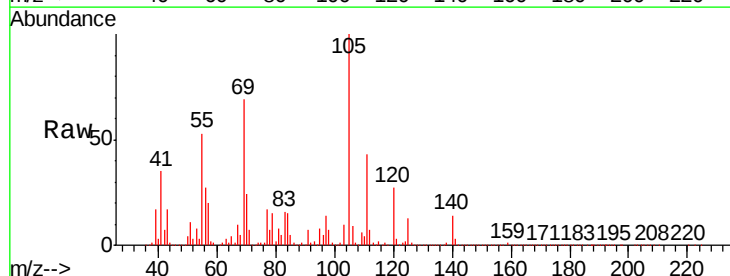
Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.3	81.9#
150	22.5	0.0	349.0

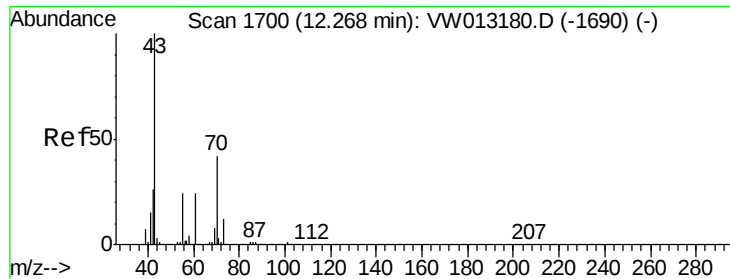


#73

Isopropylbenzene
Concen: 77.155 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.1





#74

N-amyI acetate

Concen: 625.328 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

SB-3

Tgt Ion: 43 Resp: 4875906

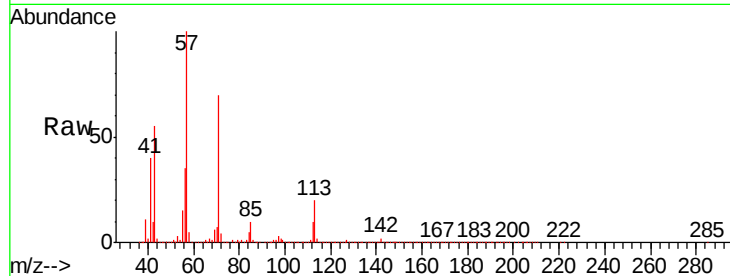
Ion Ratio Lower Upper

43 100

70 19.0 35.1 52.7#

55 11.0 19.9 29.9#

61 0.0 19.5 29.3#

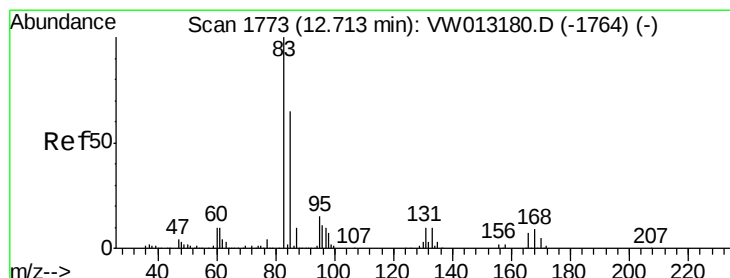
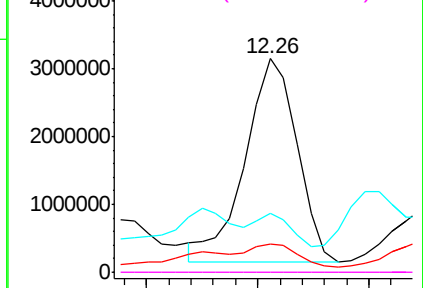
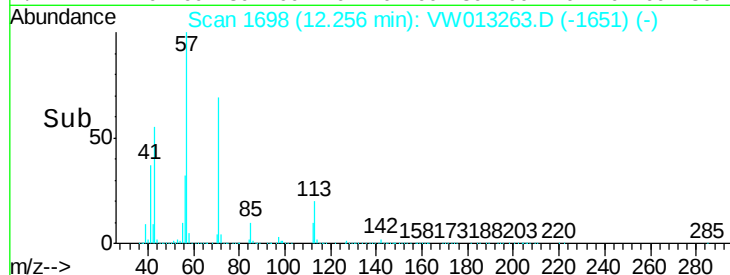


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 41.204 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

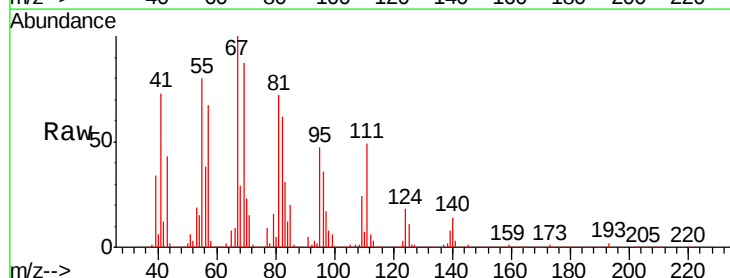
Tgt Ion: 83 Resp: 242147

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

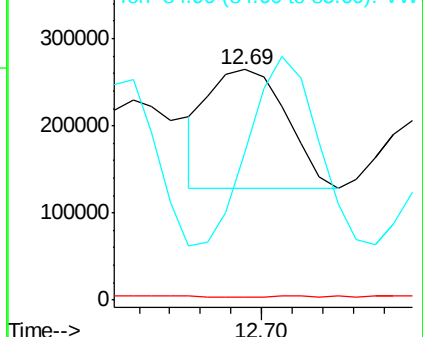
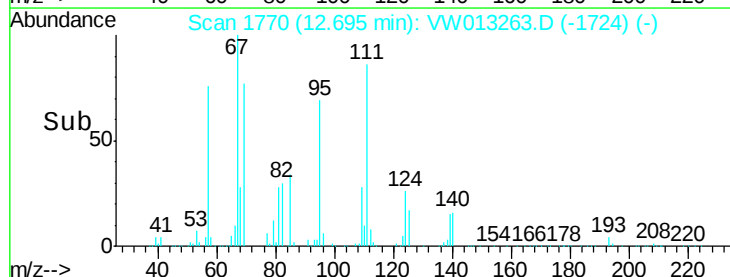
85 138.4 31.9 95.9#

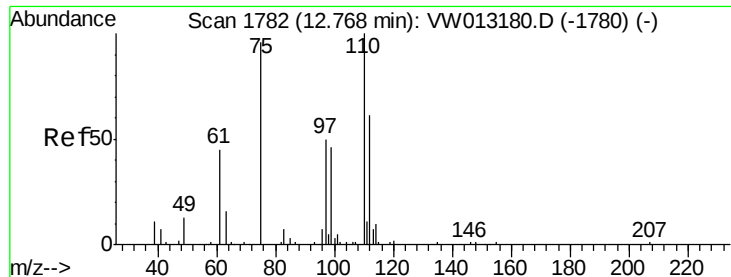


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 8.947 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

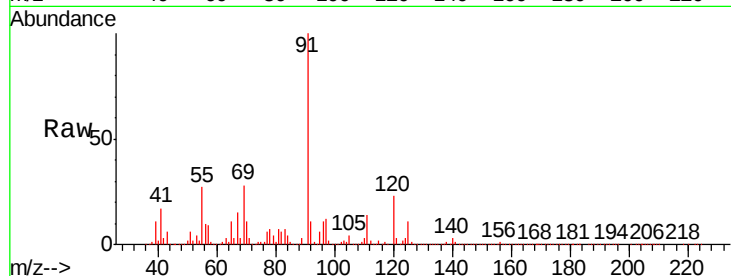
SB-3

Tgt Ion: 75 Resp: 37586

Ion Ratio Lower Upper

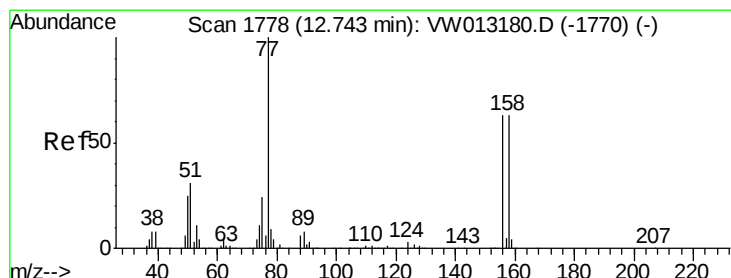
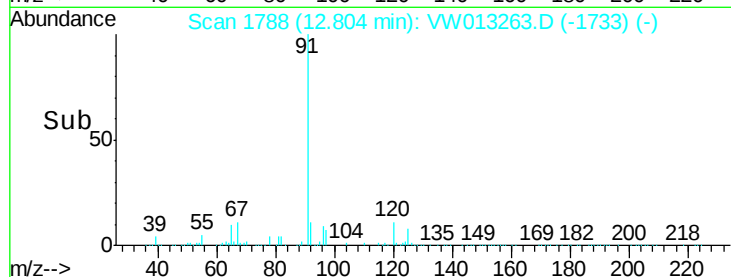
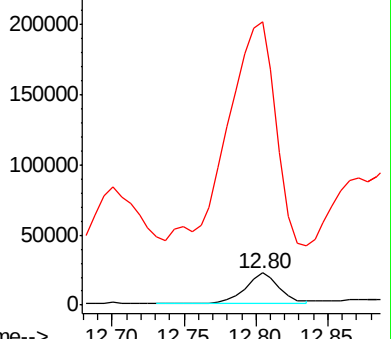
75 100

77 997.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 65.648 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. 0.13 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

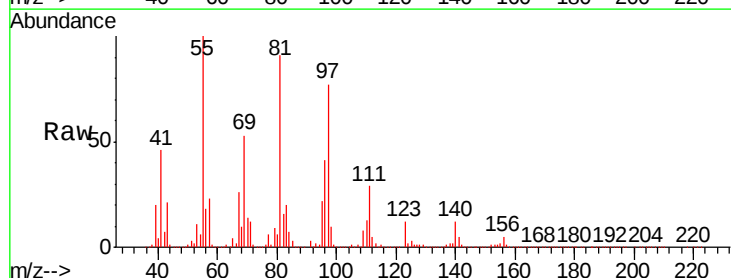
Tgt Ion: 156 Resp: 546650

Ion Ratio Lower Upper

156 100

77 0.0 85.7 257.1#

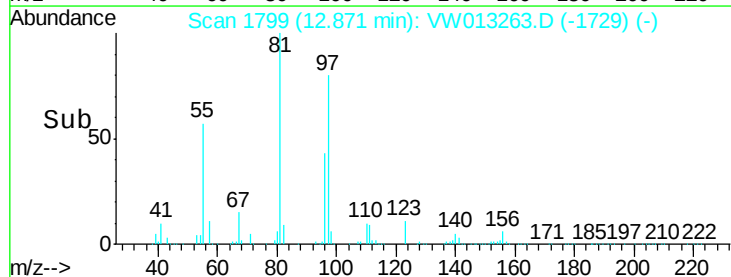
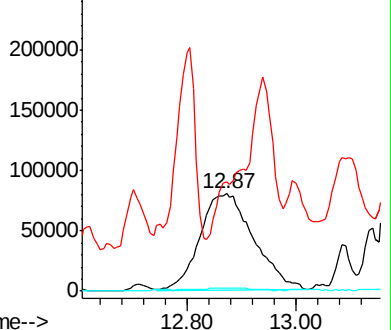
158 1.7 48.1 144.4#

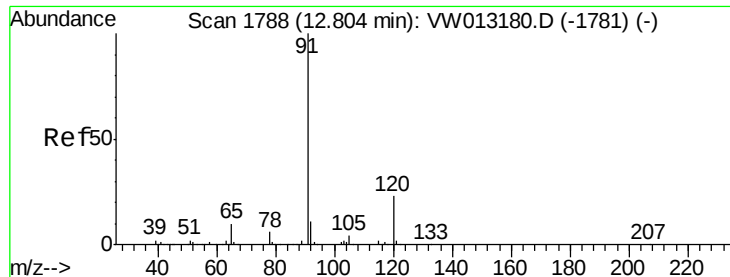


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 137.121 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

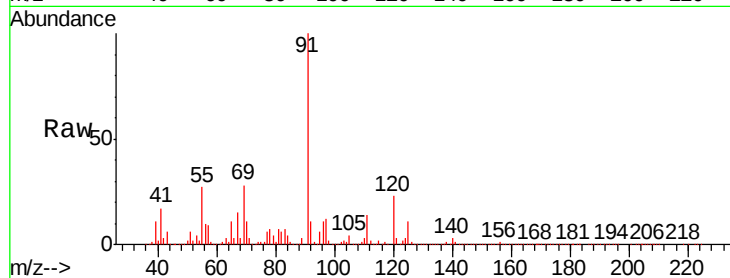
SB-3

Tgt Ion: 91 Resp: 5639998

Ion Ratio Lower Upper

91 100

120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.80

4000000

3000000

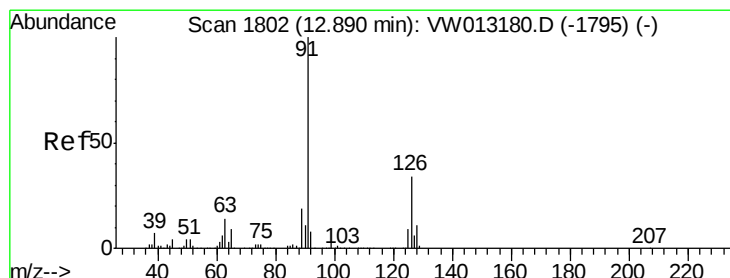
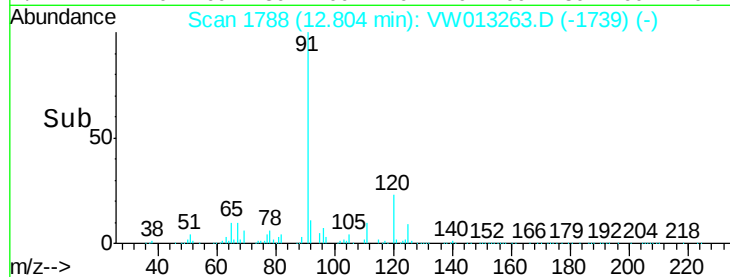
2000000

1000000

0

Time-->

12.75 12.80 12.85



#79

2-Chlorotoluene

Concen: 244.756 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.09 min

Lab File: VW013263.D

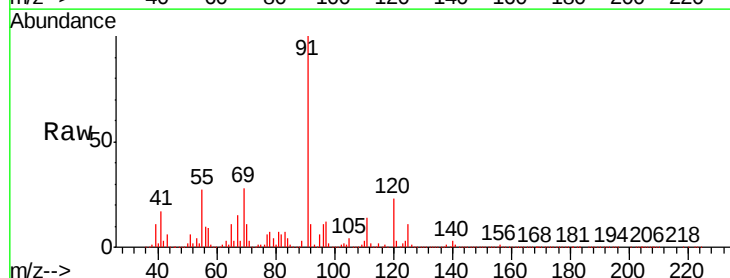
Acq: 24 Sep 2019 07:14

Tgt Ion: 91 Resp: 5639998

Ion Ratio Lower Upper

91 100

126 5.5 17.2 51.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.80

4000000

3000000

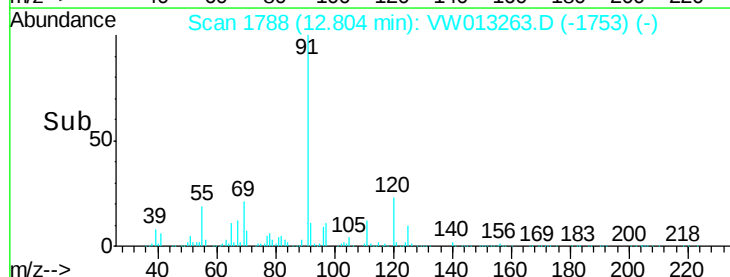
2000000

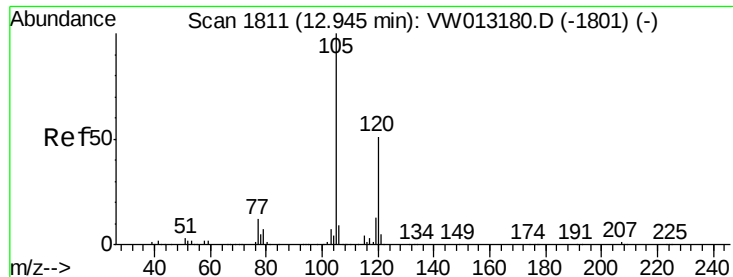
1000000

0

Time-->

12.75 12.80 12.85

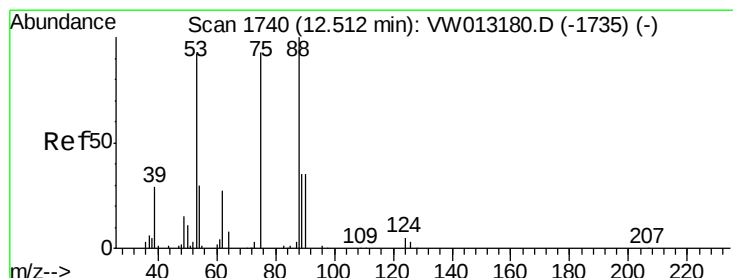
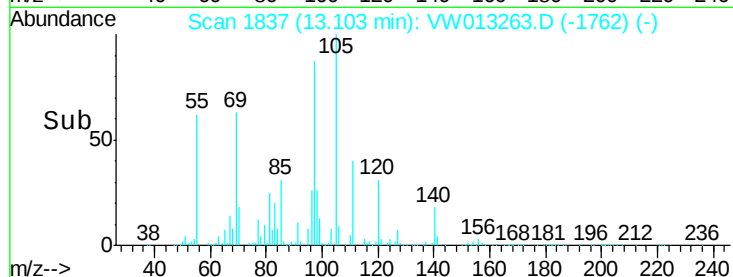
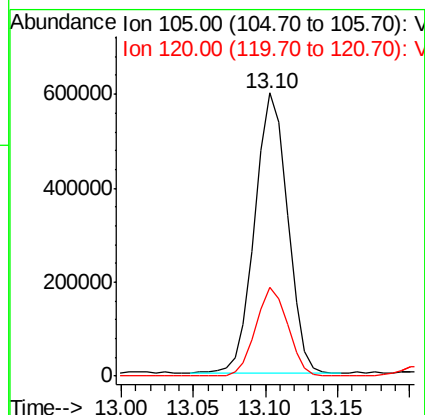
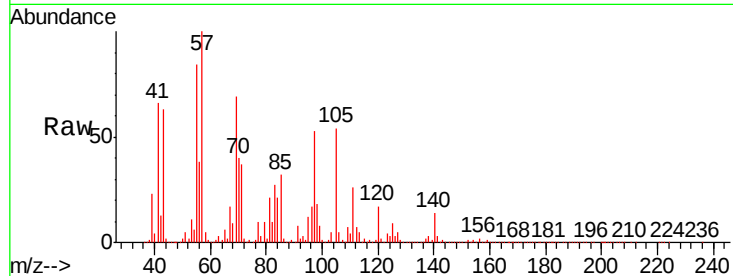




#80
 1,3,5-Trimethylbenzene
 Concen: 31.746 ug/l
 RT: 13.10 min Scan# 1837
 Delta R.T. 0.16 min
 Lab File: VW013263.D
 Acq: 24 Sep 2019 07:14

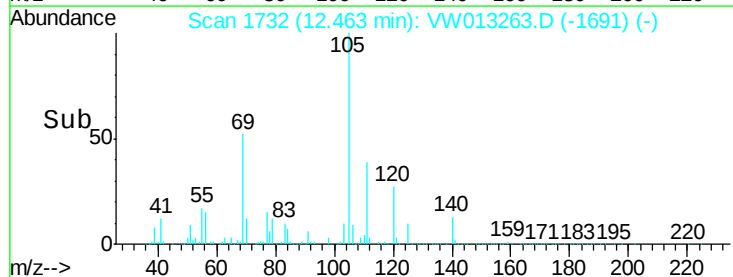
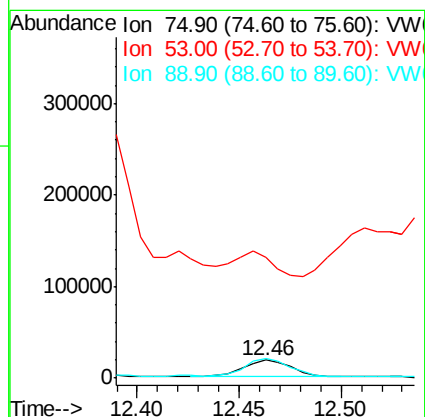
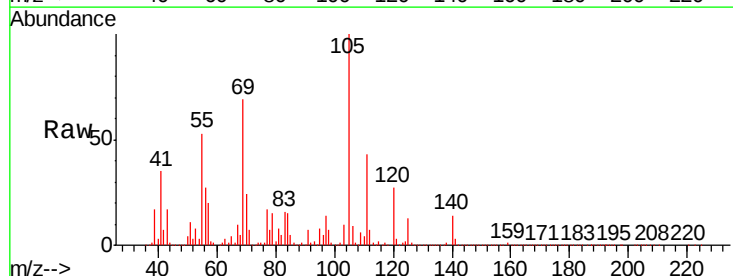
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3

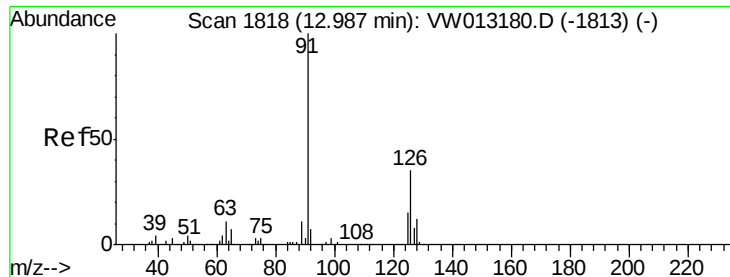
Tgt Ion: 105 Resp: 937726
 Ion Ratio Lower Upper
 105 100
 120 31.0 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.946 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.05 min
 Lab File: VW013263.D
 Acq: 24 Sep 2019 07:14

Tgt Ion: 75 Resp: 29853
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 108.5 33.5 50.3#

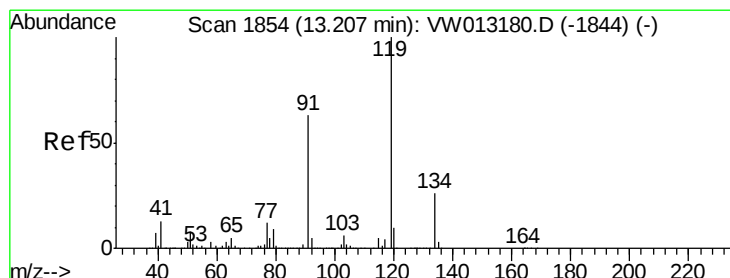
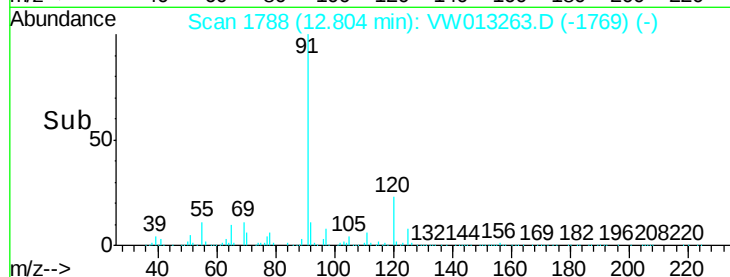
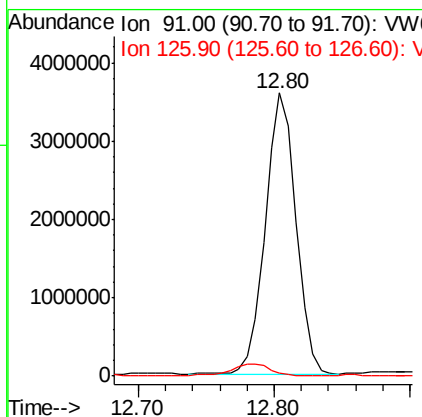
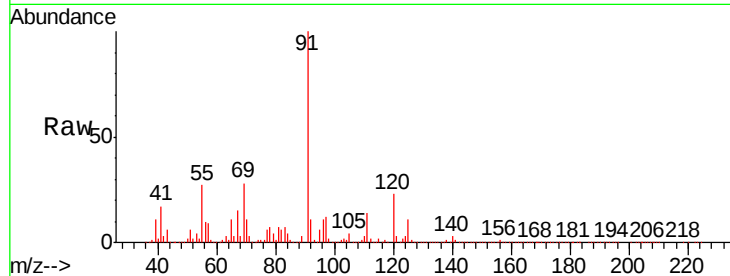




#82
4-Chlorotoluene
Concen: 232.238 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.18 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

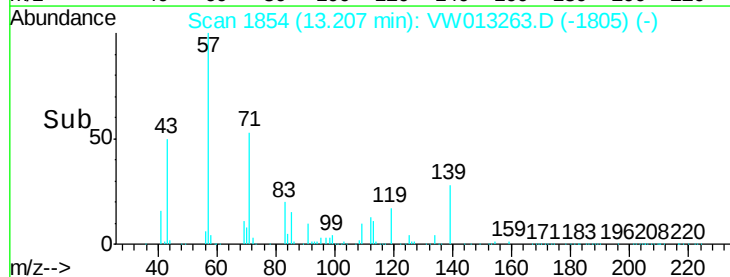
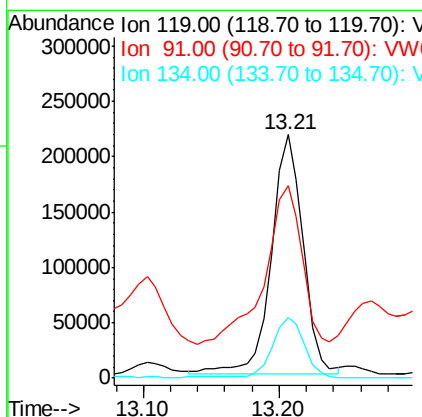
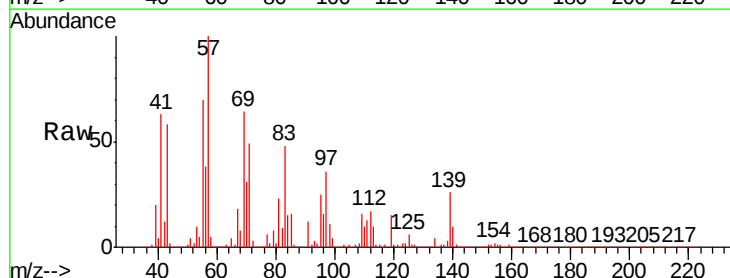
Instrument :
MSVOA_W
ClientSampleId :
SB-3

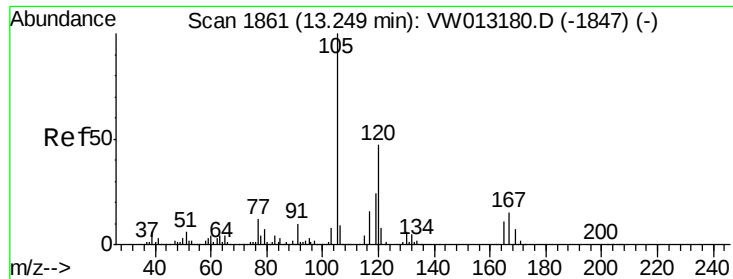
Tgt Ion: 91 Resp: 5643395
Ion Ratio Lower Upper
91 100
126 5.5 17.3 51.7#



#83
tert-Butylbenzene
Concen: 13.622 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 119 Resp: 353173
Ion Ratio Lower Upper
119 100
91 77.3 30.7 92.1
134 26.2 12.6 37.6

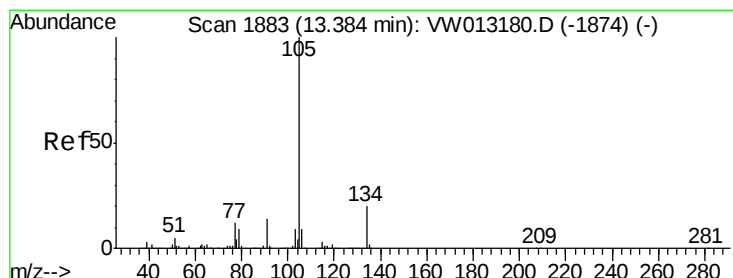
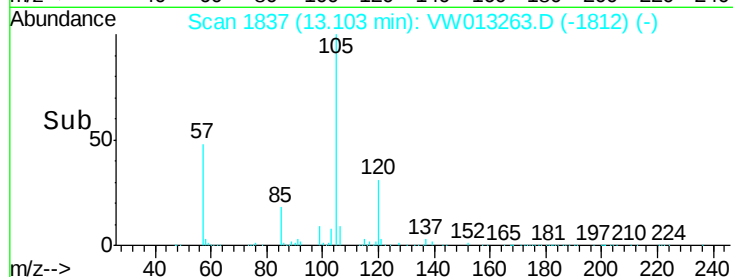
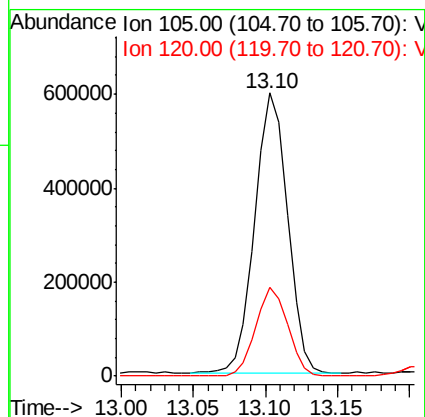
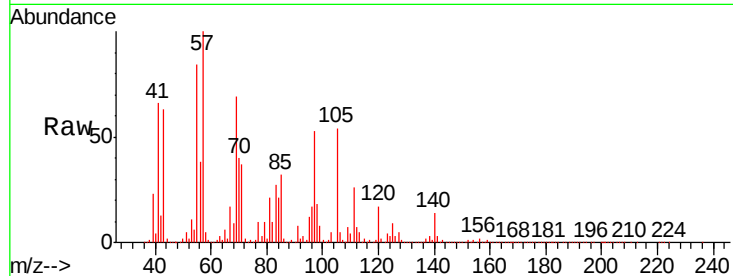




#84
1,2,4-Trimethylbenzene
Concen: 31.903 ug/l
RT: 13.10 min Scan# 1837
Delta R.T. -0.15 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

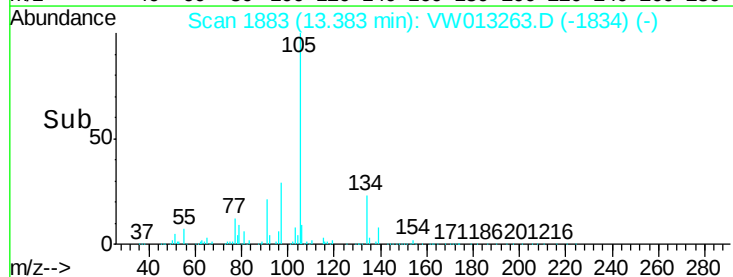
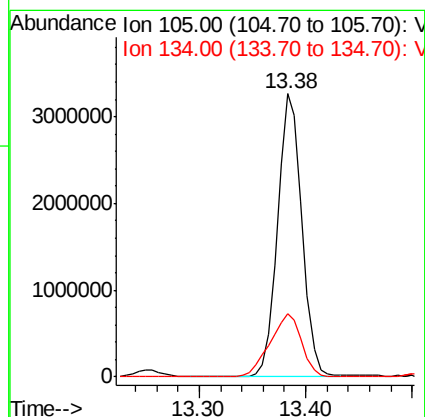
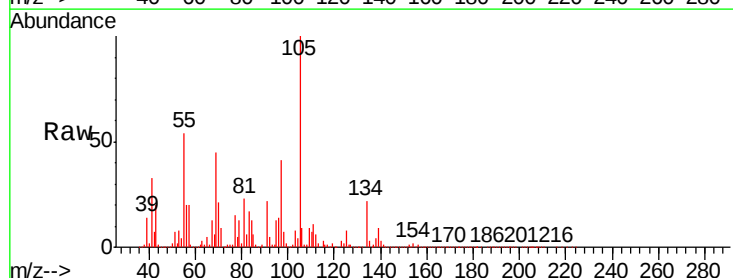
Instrument :
MSVOA_W
ClientSampleId :
SB-3

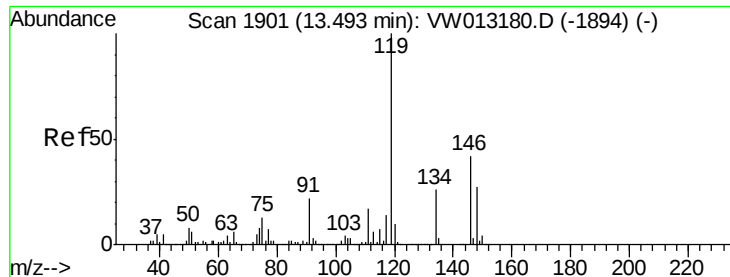
Tgt Ion:105 Resp: 937726
Ion Ratio Lower Upper
105 100
120 31.0 23.4 70.3



#85
sec-Butylbenzene
Concen: 143.806 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion:105 Resp: 5140163
Ion Ratio Lower Upper
105 100
134 29.2 10.3 30.8

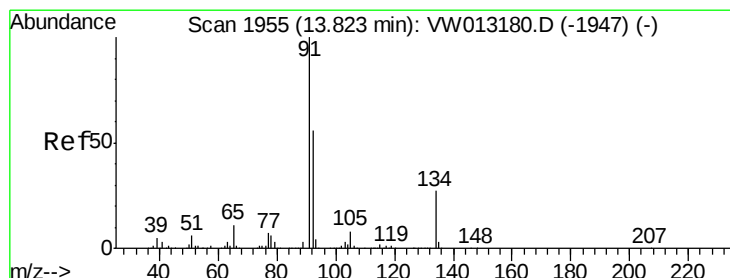
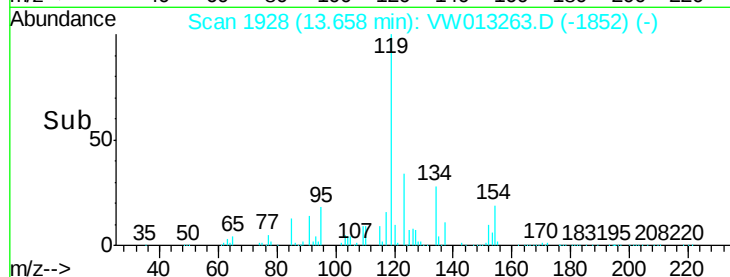
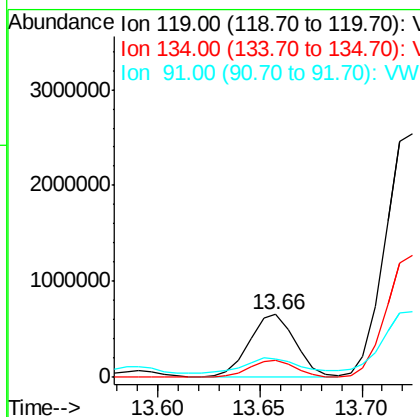
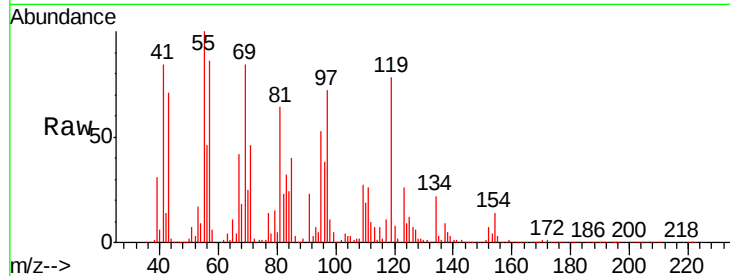




#86
p-Isopropyltoluene
Concen: 30.787 ug/l
RT: 13.66 min Scan# 1928
Delta R.T. 0.16 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

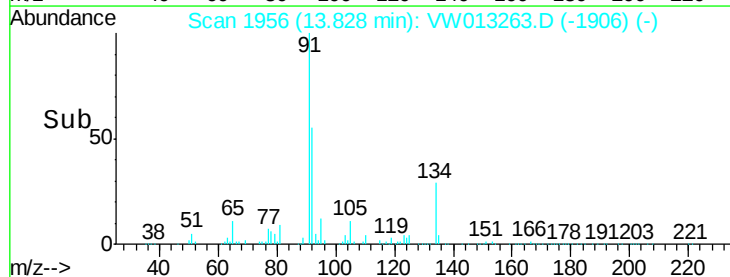
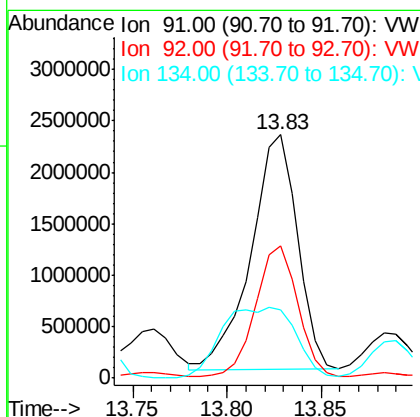
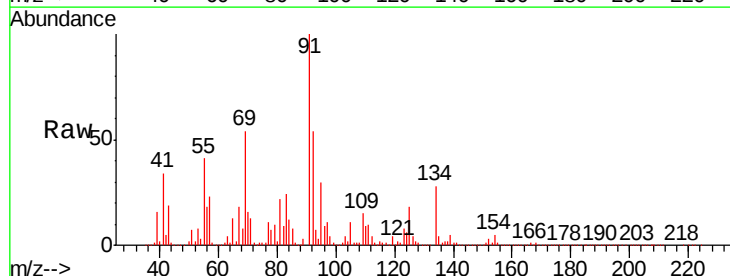
Instrument :
MSVOA_W
ClientSampleId :
SB-3

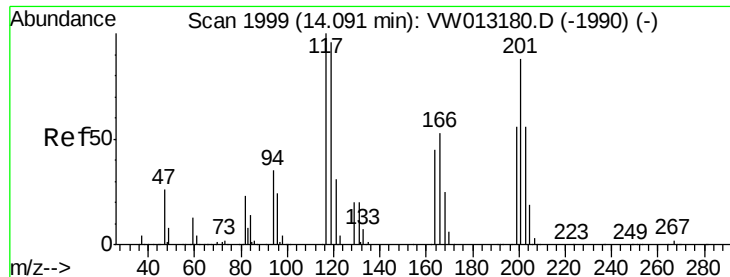
Tgt Ion: 119 Resp: 1020670
Ion Ratio Lower Upper
119 100
134 28.0 13.3 39.8
91 29.3 10.8 32.4



#89
n-Butylbenzene
Concen: 129.961 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 91 Resp: 3934140
Ion Ratio Lower Upper
91 100
92 50.1 27.6 82.8
134 47.5 13.7 41.1#





#90

Hexachloroethane

Concen: 235.084 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

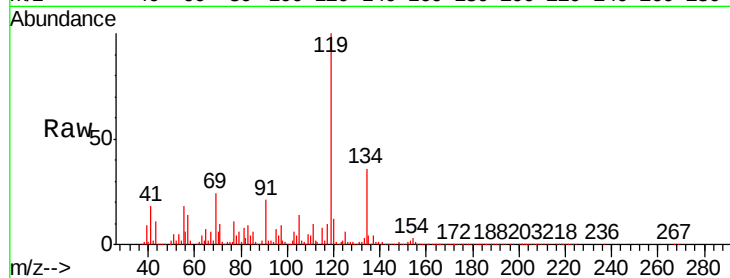
SB-3

Tgt Ion: 117 Resp: 1309261

Ion Ratio Lower Upper

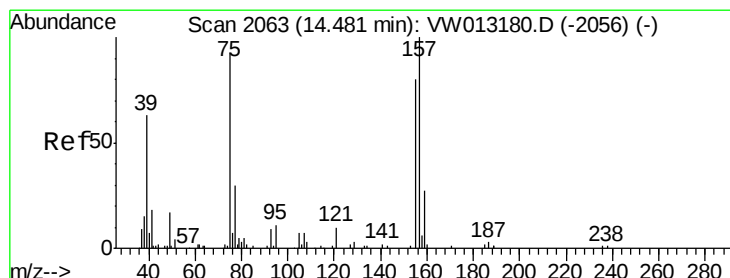
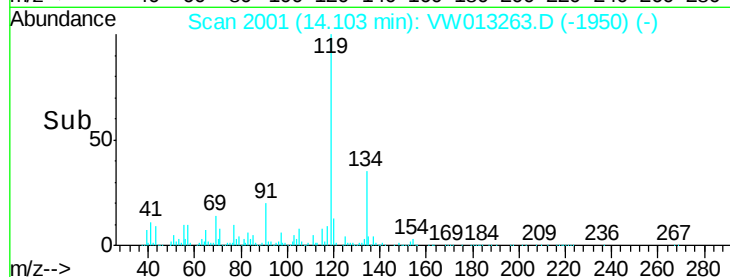
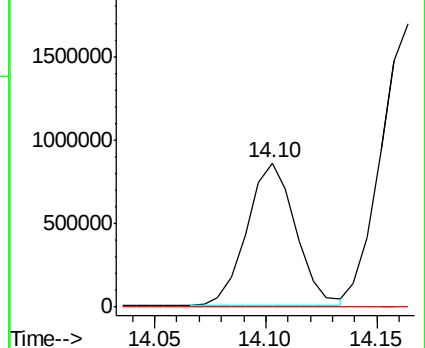
117 100

201 0.0 44.5 133.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 33.075 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.02 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

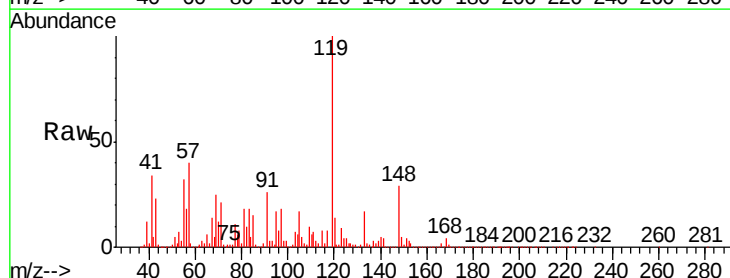
Tgt Ion: 75 Resp: 29730

Ion Ratio Lower Upper

75 100

155 26.0 46.1 138.3#

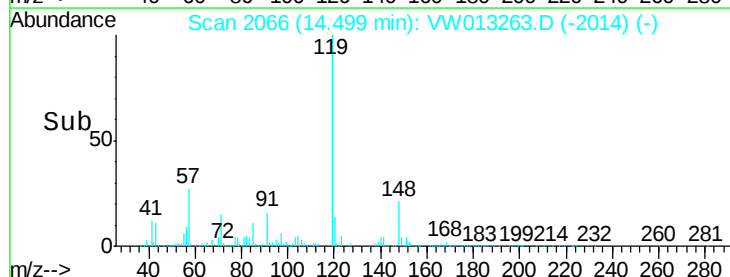
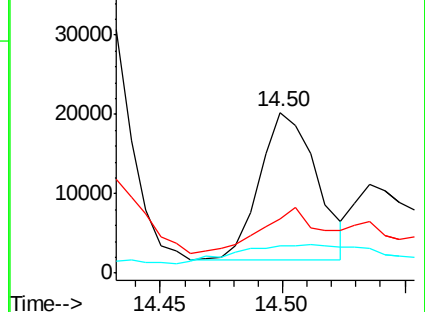
157 33.9 60.4 181.2#

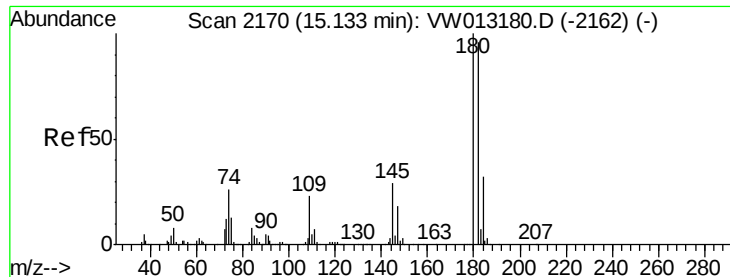


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

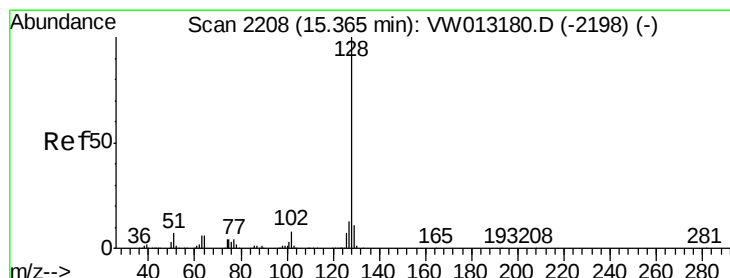
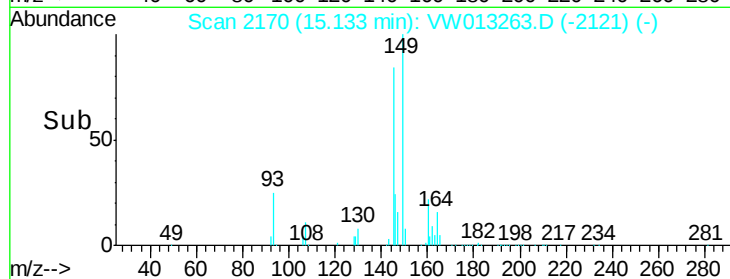
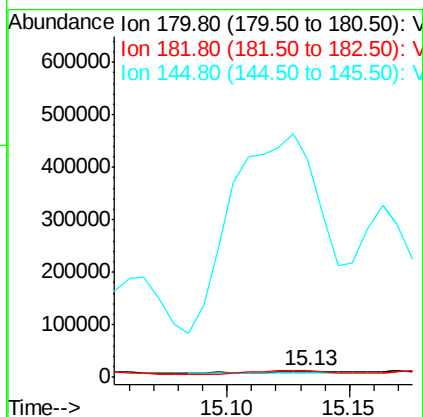
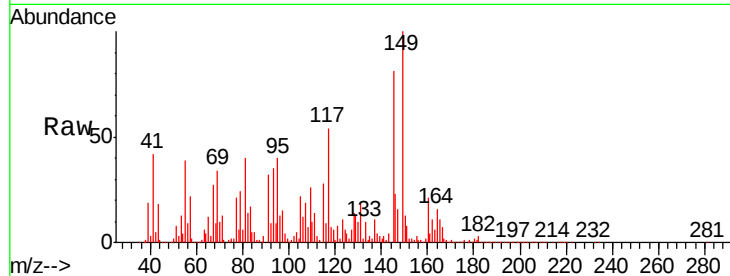




#93
 1,2,4-Trichlorobenzene
 Concen: 1.006 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013263.D
 Acq: 24 Sep 2019 07:14

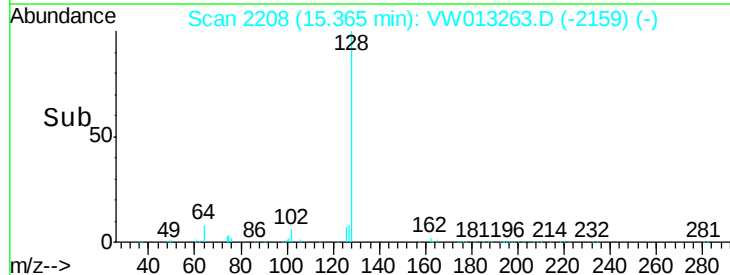
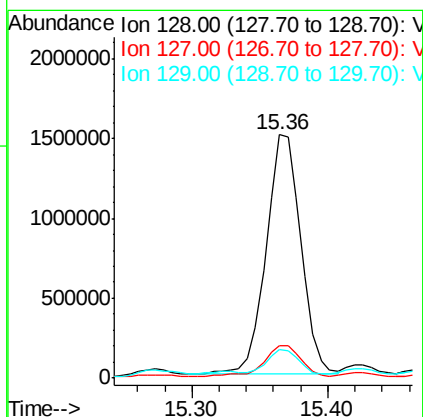
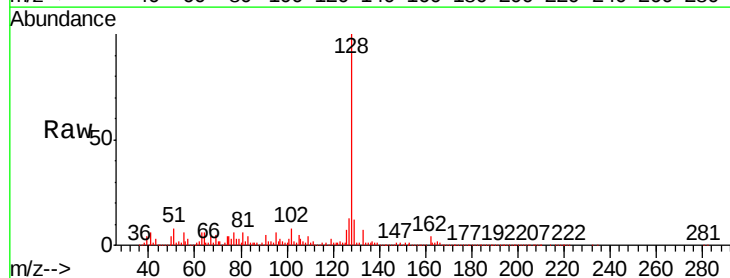
Instrument :
 MSVOA_W
 ClientSampled :
 SB-3

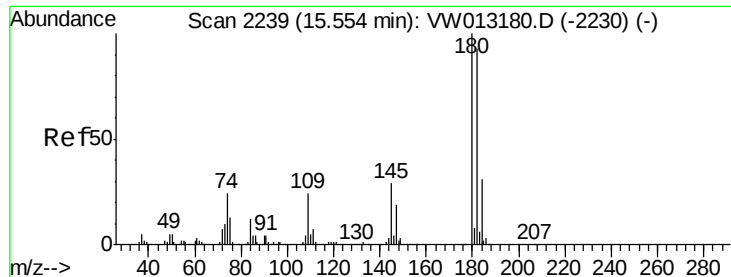
Tgt Ion:180 Resp: 9998
 Ion Ratio Lower Upper
 180 100
 182 210.7 47.3 142.0#
 145 10854.5 14.2 42.8#



#95
 Naphthalene
 Concen: 165.228 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013263.D
 Acq: 24 Sep 2019 07:14

Tgt Ion:128 Resp: 2684751
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.6 15.8
 129 9.2 8.7 13.1

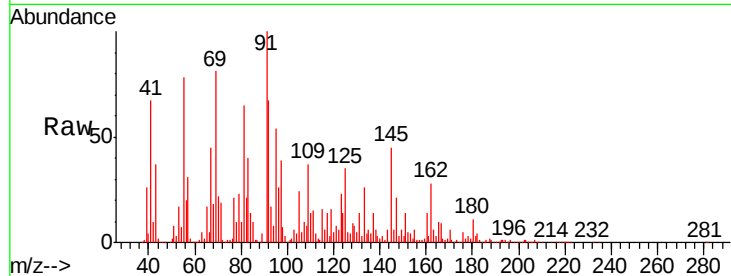




#96
 1,2,3-Trichlorobenzene
 Concen: 1.170 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW013263.D
 Acq: 24 Sep 2019 07:14

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3

Tgt Ion:180 Resp: 10046
 Ion Ratio Lower Upper
 180 100
 182 56.3 47.9 143.7
 145 0.0 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

