

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013941.D
 Acq On : 08 Nov 2019 13:45
 Operator : SY/VA
 Sample : K5742-02
 Misc : 9.34G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(12-14)

Quant Time: Nov 09 03:17:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	10713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	13689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	9488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	2296	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	3686	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
35) Dibromofluoromethane	7.88	113	3609	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	10.32	98	16435	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.63	95	9807	93.45	ug/l	0.01
Spiked Amount			Recovery	=	186.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	473	7.798	ug/l #	80
5) Bromomethane	2.79	94	290	4.814	ug/l	84
6) Chloroethane	2.92	64	80	1.443	ug/l #	43
15) Acrylonitrile	5.37	53	19	1.011	ug/l #	17
16) Acetone	4.13	43	471	27.641	ug/l #	45
17) Carbon Disulfide	4.40	76	4294	15.562	ug/l #	80
18) Methyl Acetate	4.70	43	2763	59.152	ug/l #	69
20) Methylene Chloride	4.93	84	550	1.235	ug/l #	34
25) 2-Butanone	7.17	43	106	4.327	ug/l #	45
29) Tetrahydrofuran	7.51	42	170	11.209	ug/l #	45
31) Cyclohexane	7.96	56	853	4.776	ug/l	91
32) 1,1,1-Trichloroethane	7.85	97	184	1.390	ug/l #	24
39) Methylcyclohexane	9.34	83	1994	12.112	ug/l #	62
40) Benzene	8.35	78	379	1.050	ug/l #	76
41) Methacrylonitrile	7.47	41	177	5.816	ug/l #	64
43) Isopropyl Acetate	8.41	43	481	5.149	ug/l #	49
44) Trichloroethene	9.09	130	124	1.200	ug/l	3
45) 1,2-Dichloropropane	9.35	63	116	1.346	ug/l #	43
46) Dibromomethane	9.48	93	267	6.384	ug/l #	59
47) Bromodichloromethane	9.61	83	807	7.457	ug/l #	27
48) Methyl methacrylate	9.43	41	588	12.693	ug/l #	29
51) 4-Methyl-2-Pentanone	10.31	43	384	8.273	ug/l	88
52) Toluene	10.40	92	282	1.212	ug/l	83
55) 1,1,2-Trichloroethane	10.77	97	998	16.010	ug/l #	46
56) Ethyl methacrylate	10.65	69	460	5.898	ug/l #	66
57) 1,3-Dichloropropane	10.87	76	247	2.309	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.91	63	95	2.647	ug/l #	1
59) 2-Hexanone	10.91	43	441	13.781	ug/l	82
60) Dibromochloromethane	11.04	129	1315	17.767	ug/l	95
61) 1,2-Dibromoethane	11.19	107	262	4.443	ug/l	89
64) Tetrachloroethene	10.87	164	390	5.380	ug/l #	51
65) Chlorobenzene	11.73	112	204	1.046	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.73	131	207	3.042	ug/l #	8
68) m/p-Xylenes	11.84	106	820	6.037	ug/l #	72

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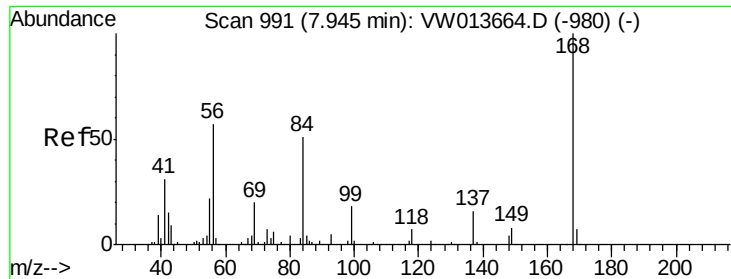
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(12-14)

Quant Time: Nov 09 03:17:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	12.13	106	339	2.715	ug/l	58
70) Styrene	12.19	104	1607	7.492	ug/l #	43
71) Bromoform	12.32	173	4384	122.772	ug/l #	70
73) Isopropylbenzene	12.73	105	781	4.737	ug/l	100
74) N-amyl acetate	12.28	43	1224	38.375	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.80	83	1509	57.995	ug/l #	1
76) 1,2,3-Trichloropropane	12.75	75	134	8.127	ug/l #	100
77) Bromobenzene	12.87	156	18113	459.856	ug/l #	1
78) n-propylbenzene	12.81	91	2780	14.567	ug/l #	51
79) 2-Chlorotoluene	12.91	91	1484	13.837	ug/l	84
80) 1,3,5-Trimethylbenzene	13.00	105	941	6.761	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.52	75	87	9.972	ug/l #	1
82) 4-Chlorotoluene	12.91	91	1484	13.180	ug/l	98
83) tert-Butylbenzene	13.18	119	15508	125.520	ug/l #	36
84) 1,2,4-Trimethylbenzene	13.19	105	1031	7.509	ug/l	89
85) sec-Butylbenzene	13.39	105	1438	8.511	ug/l #	1
86) p-Isopropyltoluene	13.49	119	3268	20.765	ug/l #	51
87) 1,3-Dichlorobenzene	13.48	146	683	8.950	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	457	6.028	ug/l #	1
89) n-Butylbenzene	13.96	91	868	6.110	ug/l	91
90) Hexachloroethane	14.10	117	327	11.954	ug/l	72
91) 1,2-Dichlorobenzene	13.86	146	295	4.458	ug/l #	57
92) 1,2-Dibromo-3-Chloropropan	14.49	75	156	39.649	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.13	180	216	4.485	ug/l #	1
94) Hexachlorobutadiene	15.23	225	185	5.691	ug/l #	26
95) Naphthalene	15.39	128	508	6.728	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.55	180	246	5.928	ug/l #	32

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

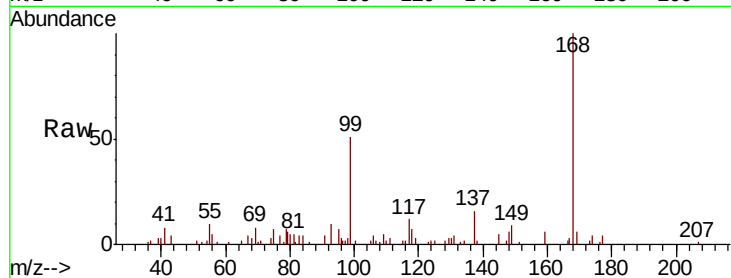
SB-11-(12-14)

Tot Ion:168 Resp: 10713

Ion Ratio Lower Upper

168 100

99 50.8 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

5000

4000

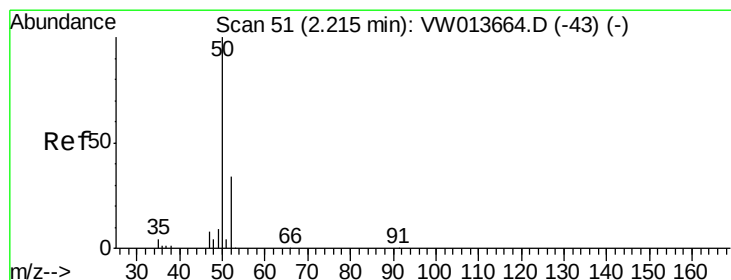
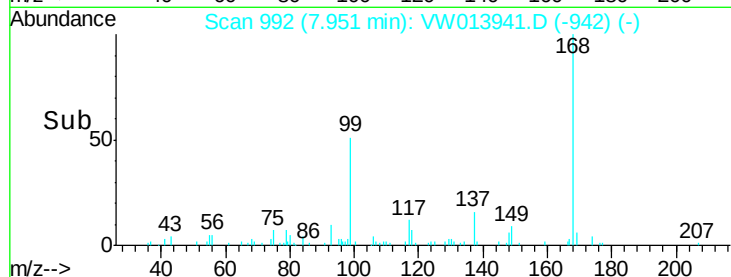
3000

2000

1000

0

Time--> 7.85 7.90 7.95 8.00



#3

Chloromethane

Concen: 7.798 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013941.D

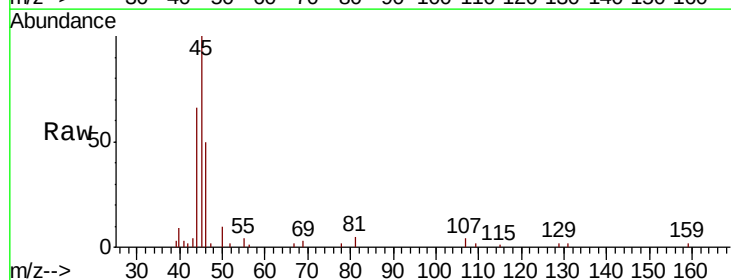
Acq: 08 Nov 2019 13:45

Tgt Ion: 50 Resp: 473

Ion Ratio Lower Upper

50 100

52 22.3 26.9 40.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

400

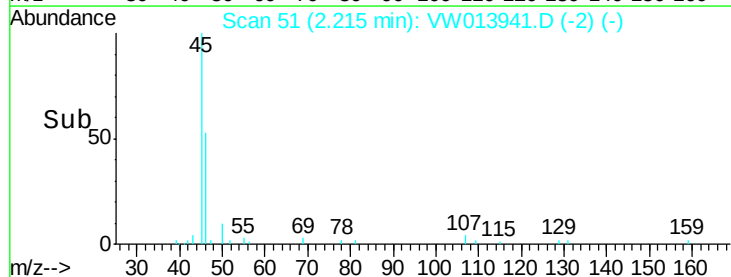
300

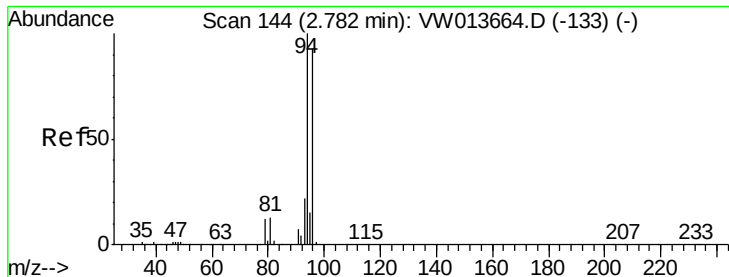
200

100

0

Time--> 2.18 2.20 2.22 2.24





#5

Bromomethane

Concen: 4.814 ug/l

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

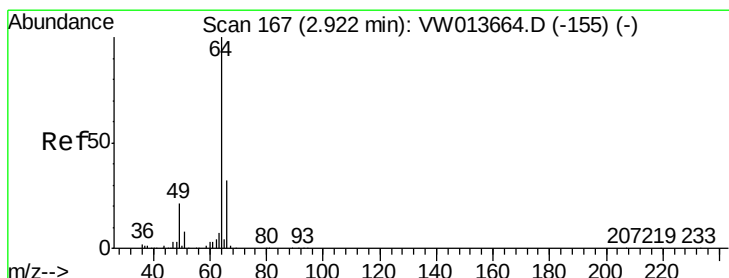
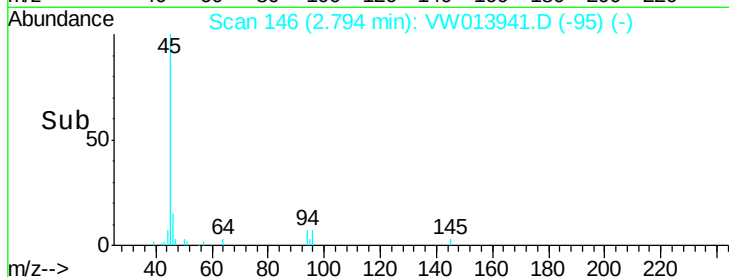
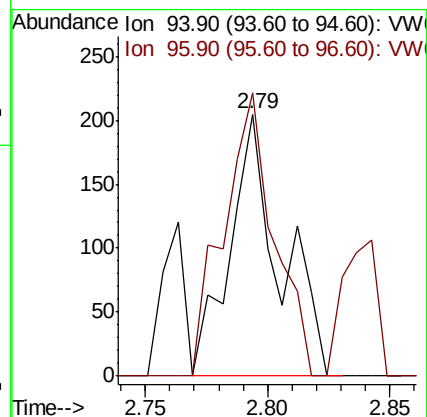
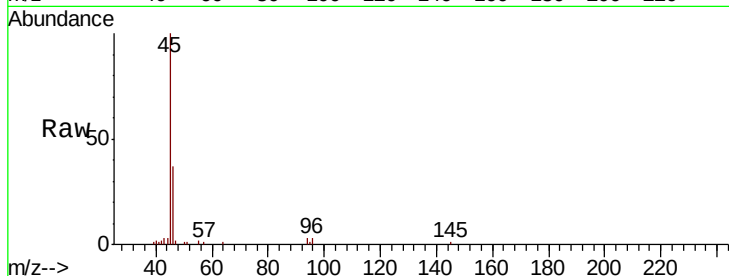
SB-11-(12-14)

Tot Ion: 94 Resp: 290

Ion Ratio Lower Upper

94 100

96 108.3 74.6 112.0



#6

Chloroethane

Concen: 1.443 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013941.D

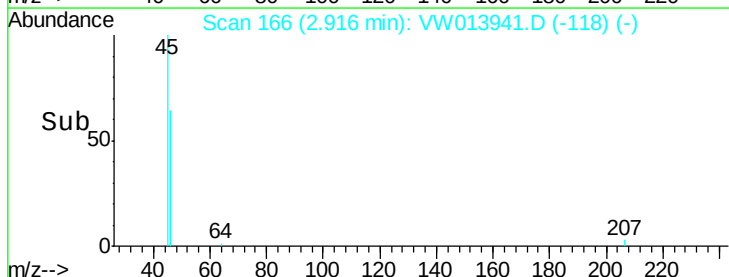
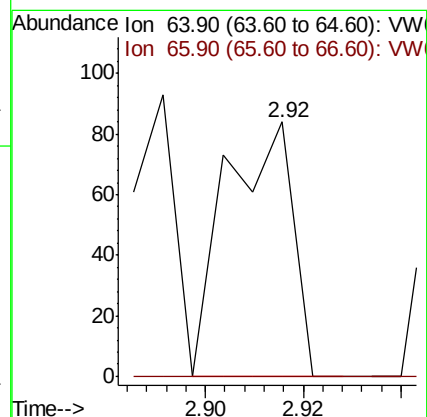
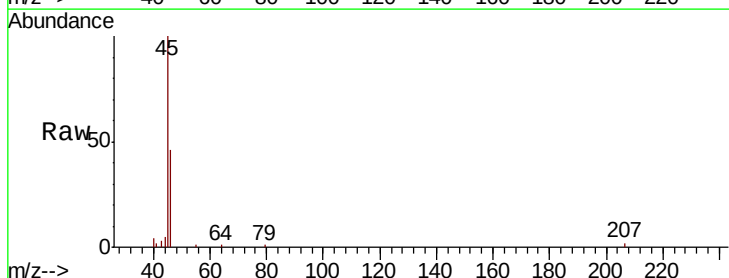
Acq: 08 Nov 2019 13:45

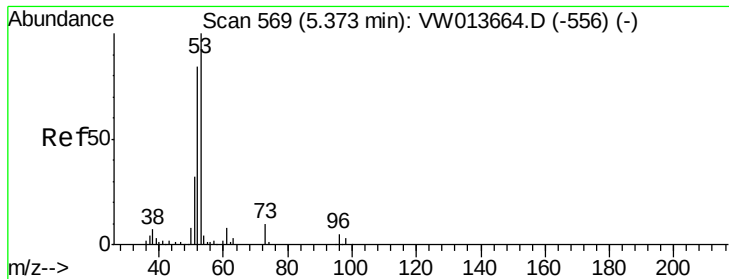
Tgt Ion: 64 Resp: 80

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#





#15

Acrylonitrile

Concen: 1.011 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

SB-11-(12-14)

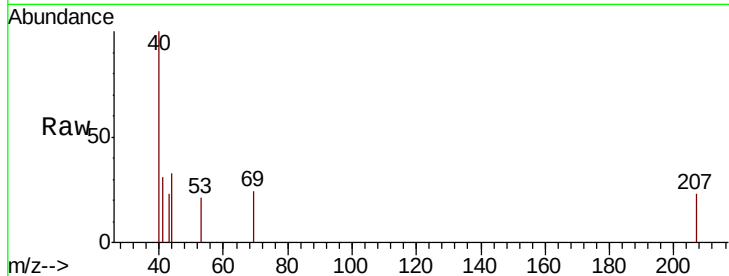
Tot Ion: 53 Resp: 19

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

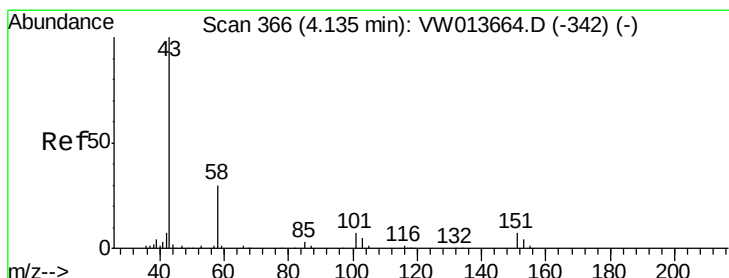
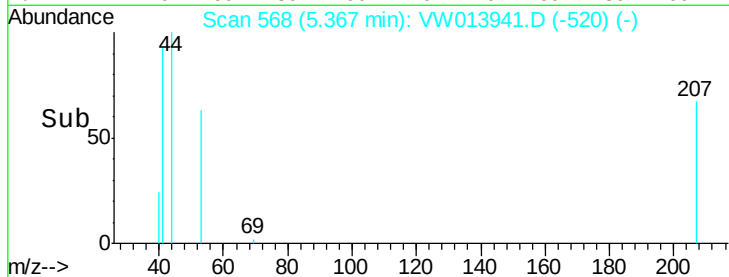
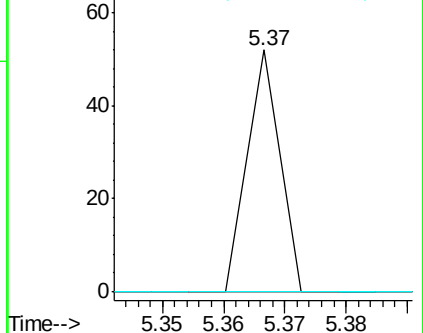
51 0.0 29.1 43.7#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 27.641 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013941.D

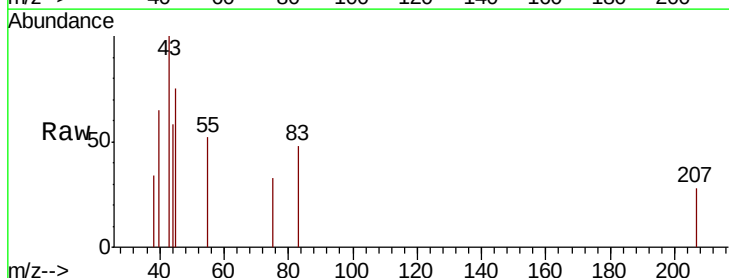
Acq: 08 Nov 2019 13:45

Tgt Ion: 43 Resp: 471

Ion Ratio Lower Upper

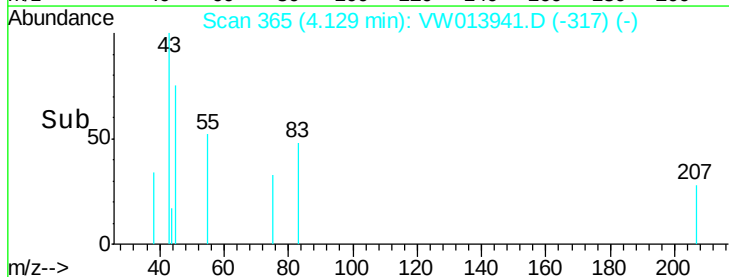
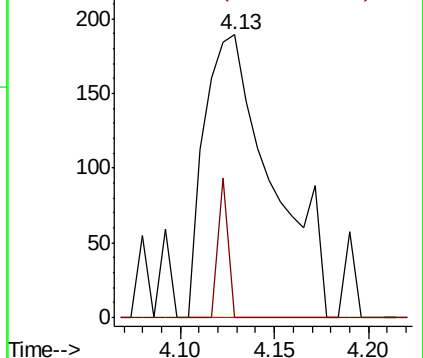
43 100

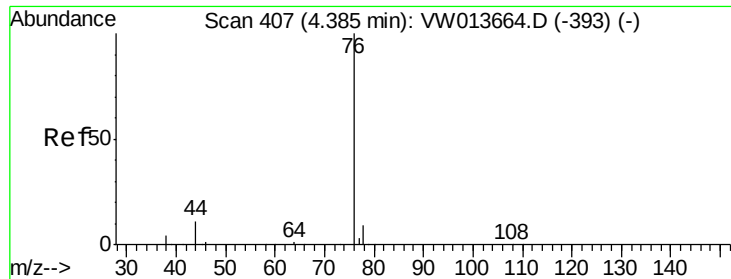
58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

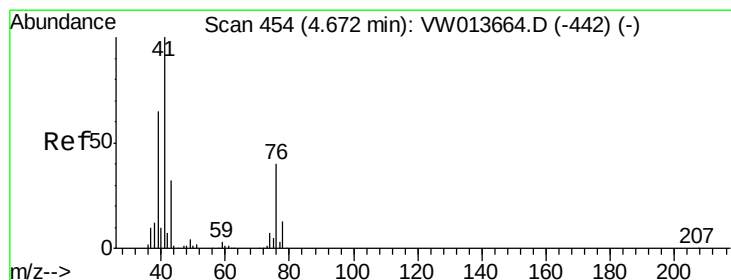
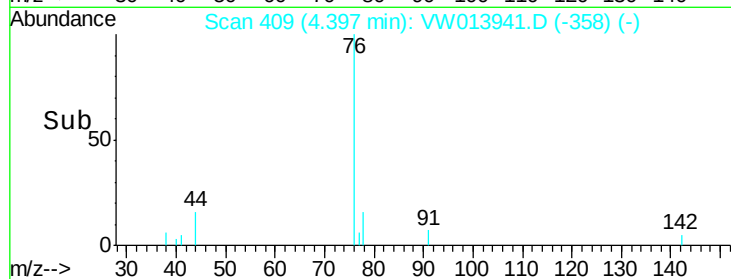
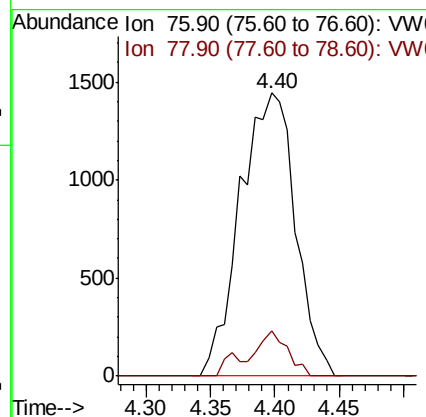
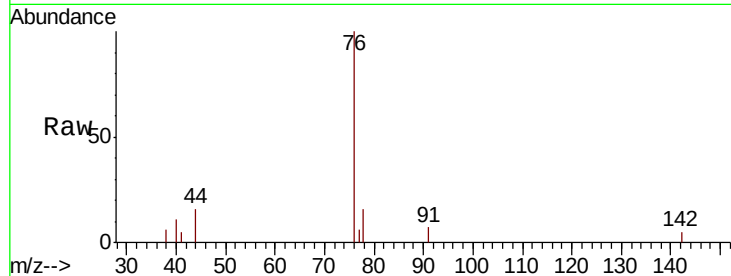




#17
Carbon Disulfide
Concen: 15.562 ug/l
RT: 4.40 min Scan# 409
Delta R.T. 0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

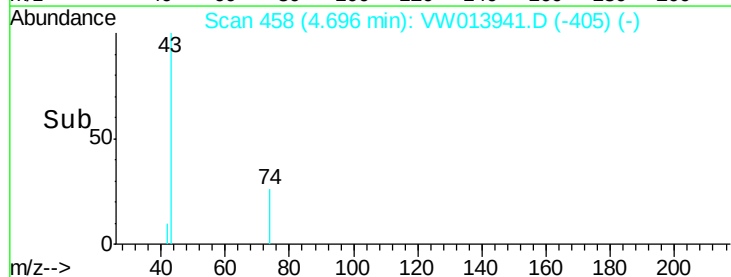
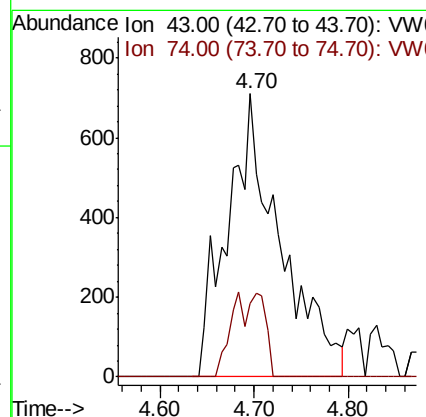
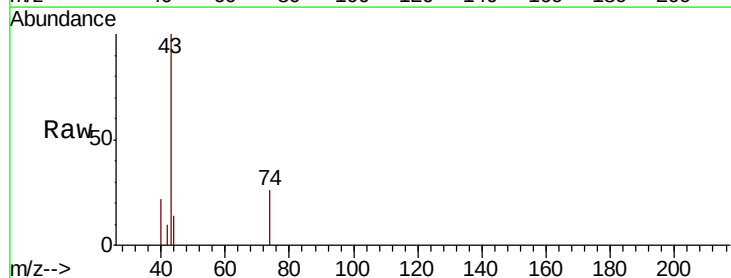
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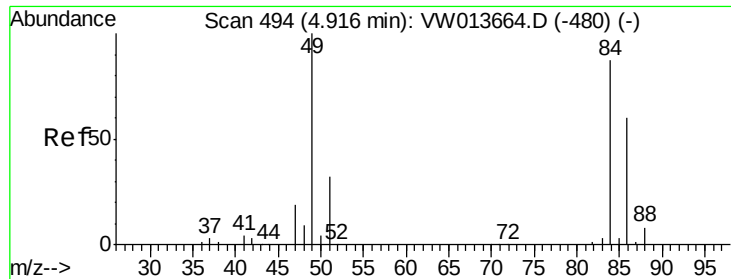
Tot Ion: 76 Resp: 4294
Ion Ratio Lower Upper
76 100
78 15.9 7.0 10.6#



#18
Methyl Acetate
Concen: 59.152 ug/l
RT: 4.70 min Scan# 458
Delta R.T. 0.02 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion: 43 Resp: 2763
Ion Ratio Lower Upper
43 100
74 9.4 19.8 29.8#

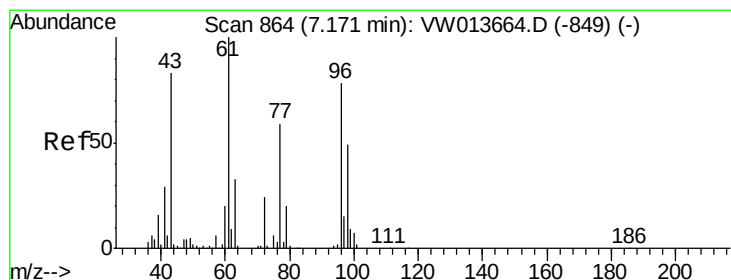
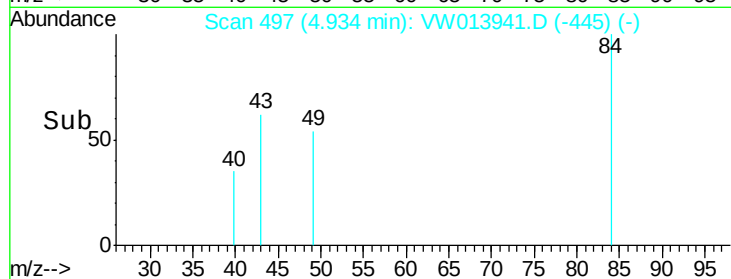
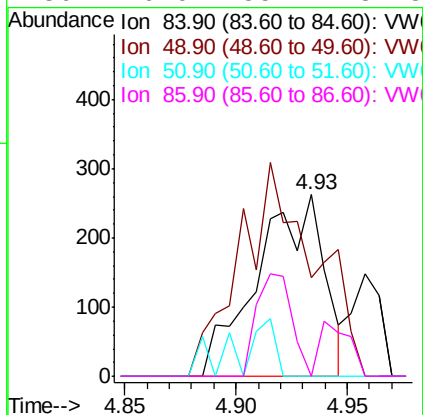
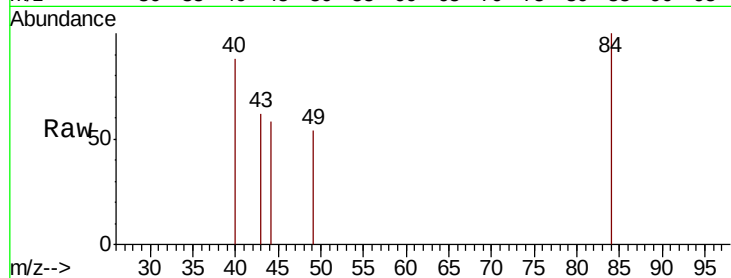




#20
Methvlene Chloride
Concen: 1.235 ug/l
RT: 4.93 min Scan# 497
Delta R.T. 0.02 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

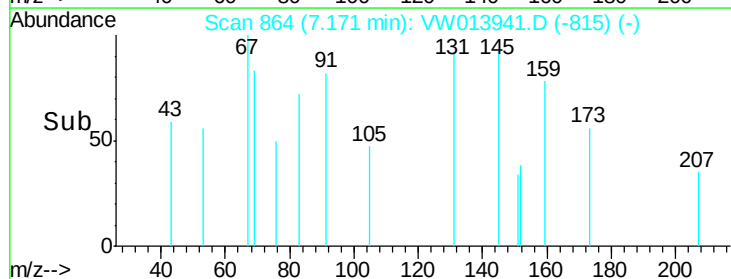
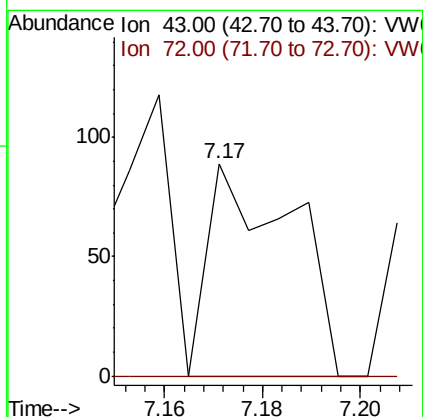
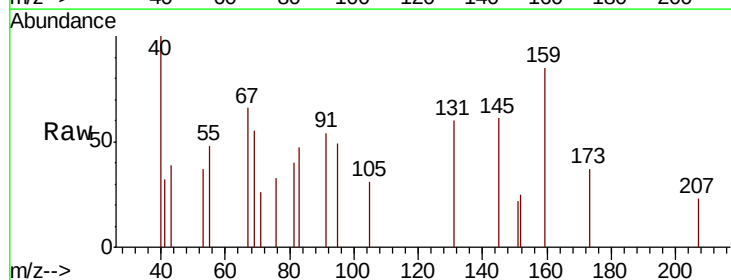
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SB-11-(12-14)

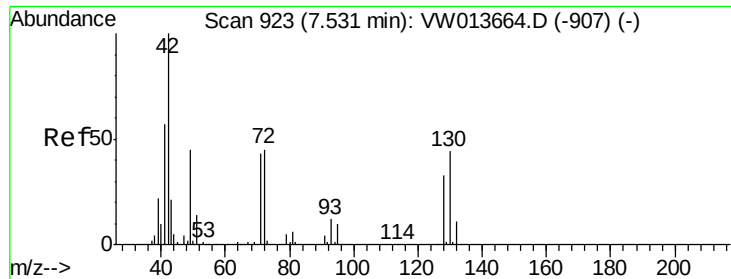
Tot Ion: 84 Resp: 550
Ion Ratio Lower Upper
84 100
49 54.2 91.8 137.6#
51 0.0 29.8 44.6#
86 0.0 55.2 82.8#



#25
2-Butanone
Concen: 4.327 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
72 0.0 23.6 35.4#

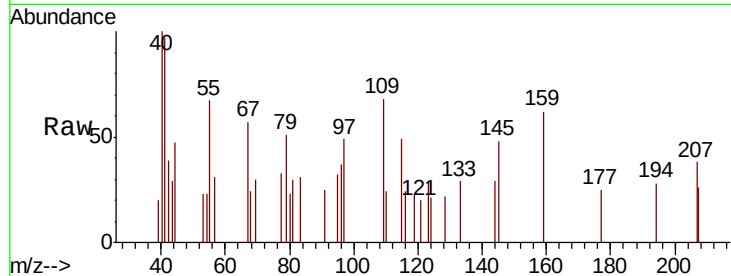




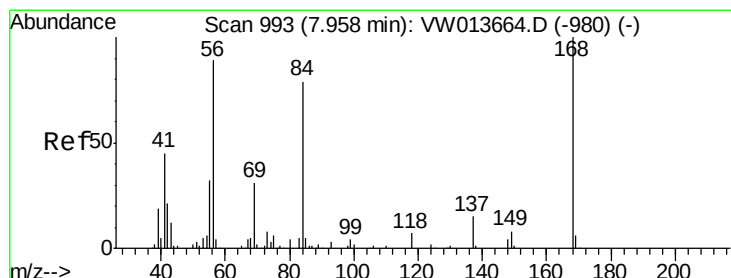
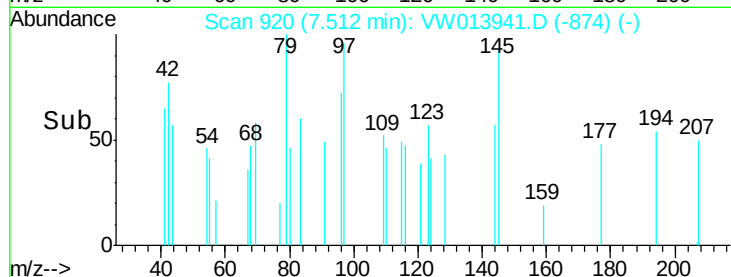
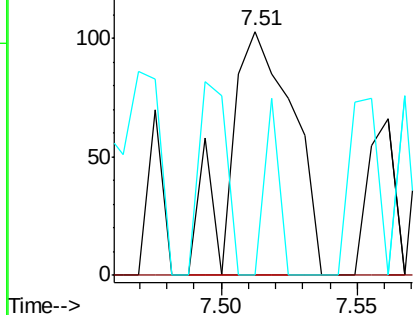
#29
Tetrahydrofuran
Concen: 11.209 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.02 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
SB-11-(12-14)

Tot Ion: 42 Resp: 170
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 15.9 33.3 49.9#

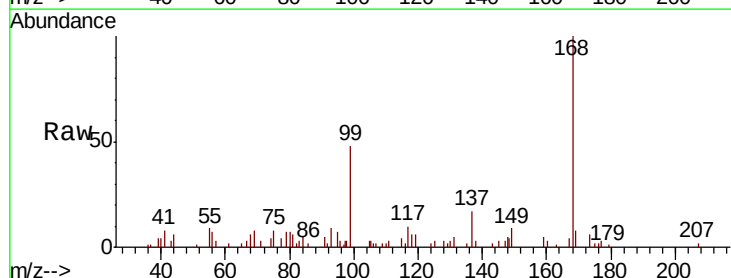


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

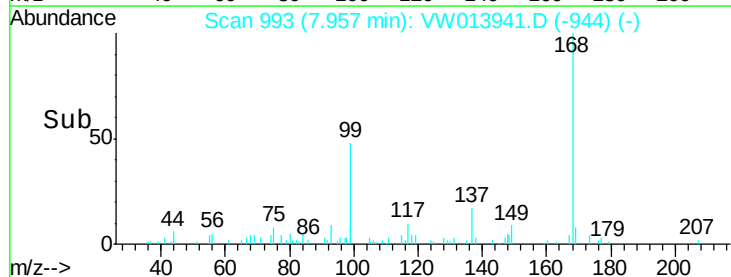
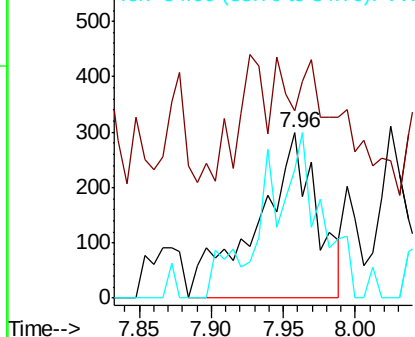


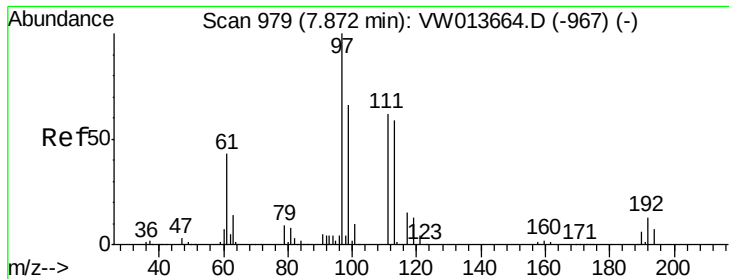
#31
Cyclohexane
Concen: 4.776 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion: 56 Resp: 853
Ion Ratio Lower Upper
56 100
69 33.1 27.5 41.3
84 77.6 70.8 106.2



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





#32

1,1,1-Trichloroethane

Concen: 1.390 ug/l

RT: 7.85 min Scan# 976

Delta R.T. -0.02 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

SB-11-(12-14)

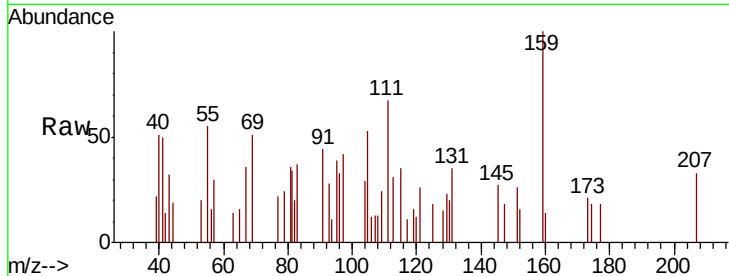
Tot Ion: 97 Resp: 184

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

61 0.0 33.8 50.6#



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

400

300

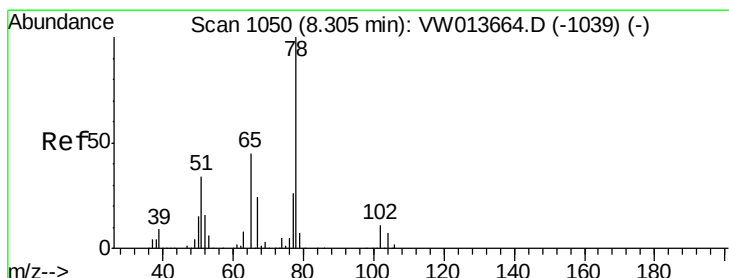
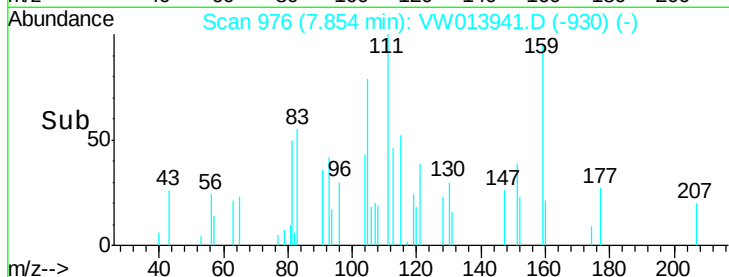
200

100

0

7.80 7.82 7.84 7.86 7.88

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.866 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW013941.D

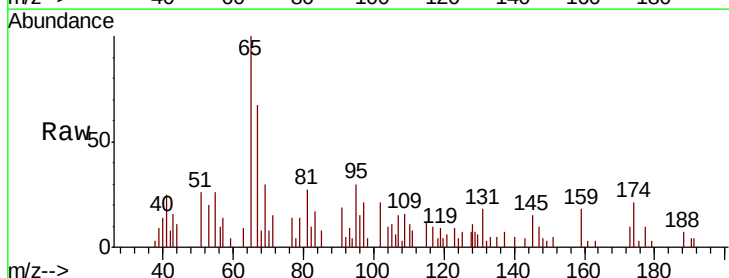
Acq: 08 Nov 2019 13:45

Tgt Ion: 65 Resp: 3686

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

1500

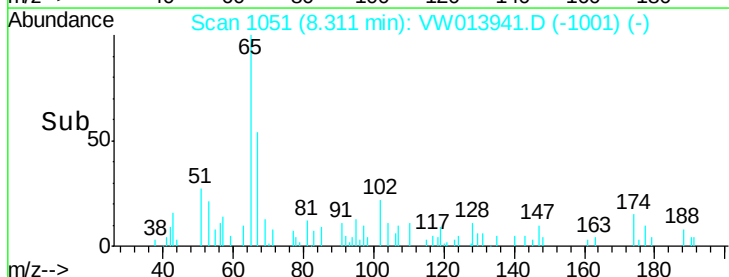
1000

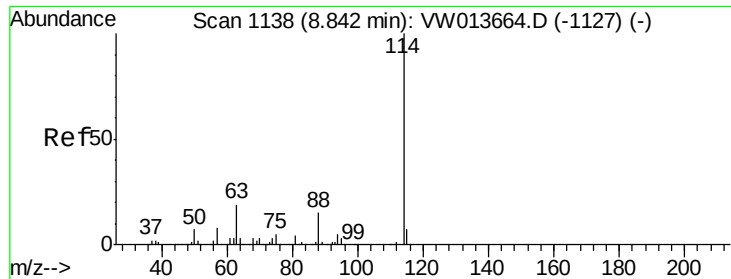
500

0

8.25 8.30 8.35

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

SB-11-(12-14)

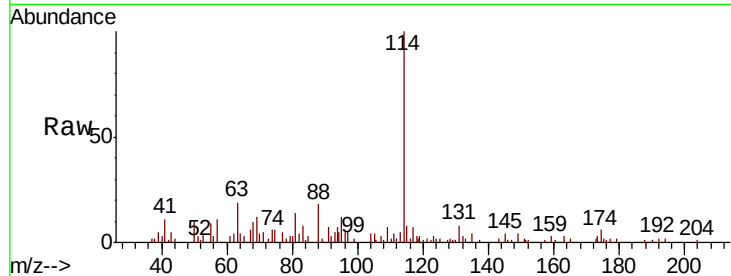
Tot Ion:114 Resp: 13689

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.6

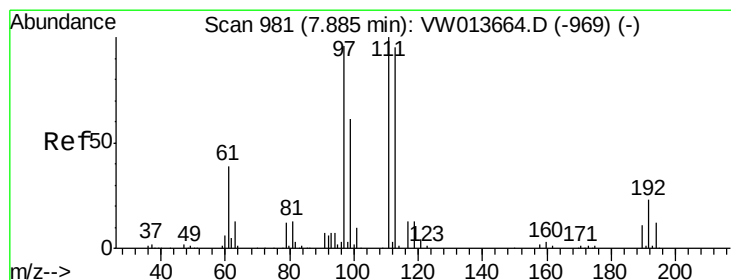
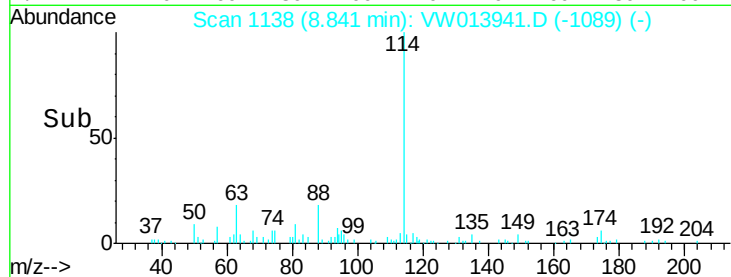
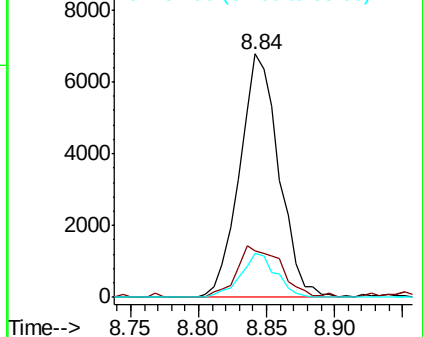
88 17.8 0.0 30.2



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: 47.447 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

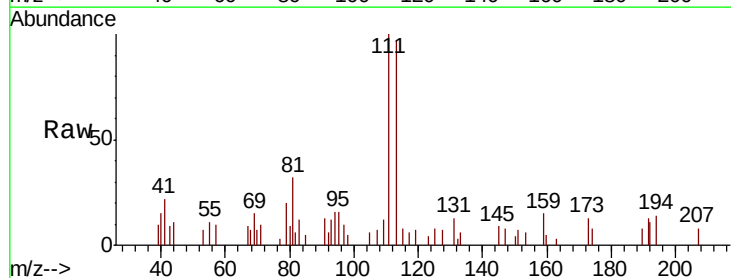
Tgt Ion:113 Resp: 3609

Ion Ratio Lower Upper

113 100

111 112.0 83.0 124.6

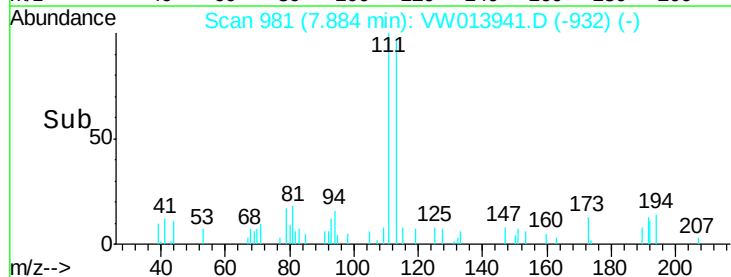
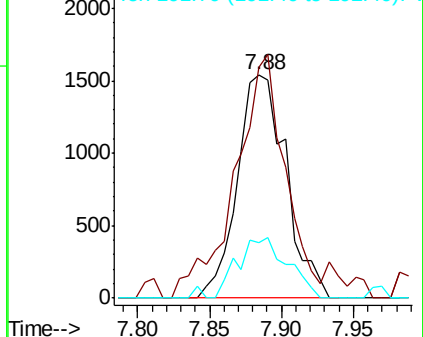
192 28.0 19.4 29.2

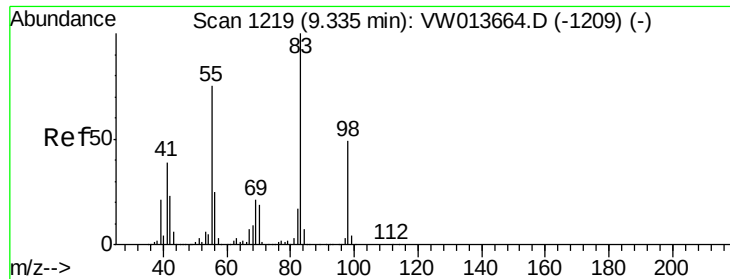


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

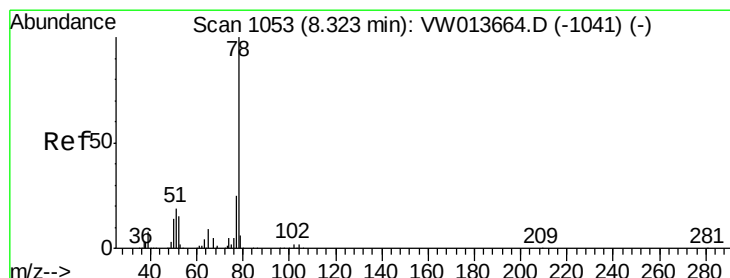
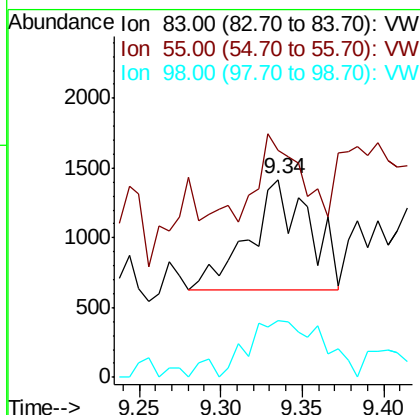
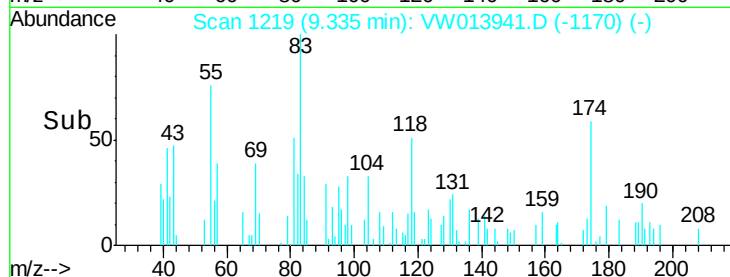
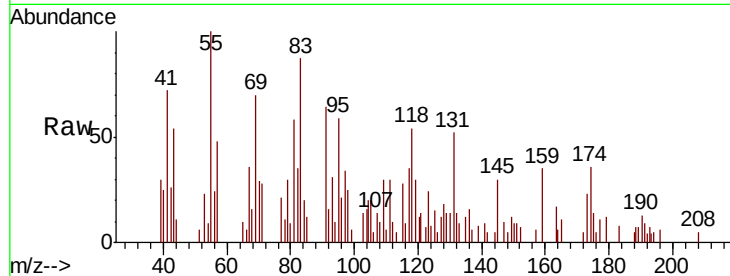




#39
Methylvlcyclohexane
Concen: 12.112 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

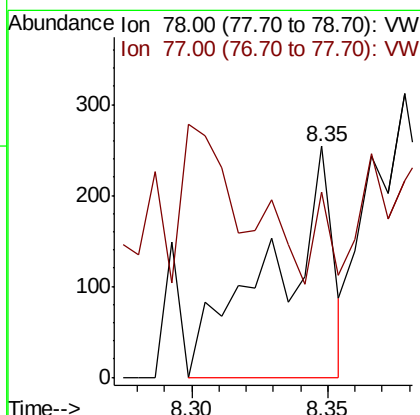
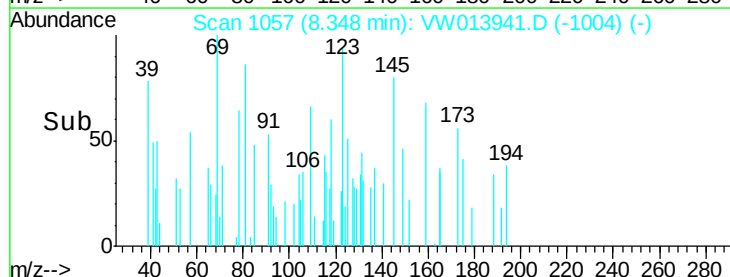
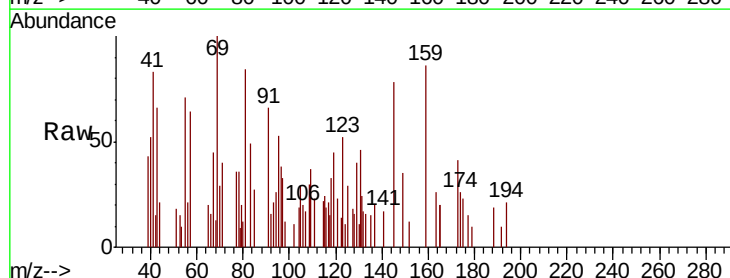
Instrument :
MSVOA_W
ClientSampled :
SB-11-(12-14)

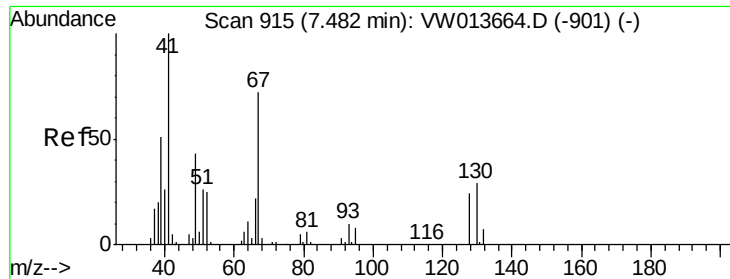
Tot Ion: 83 Resp: 1994
Ion Ratio Lower Upper
83 100
55 24.1 59.9 89.9#
98 51.9 39.4 59.2



#40
Benzene
Concen: 1.050 ug/l
RT: 8.35 min Scan# 1057
Delta R.T. 0.02 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion: 78 Resp: 379
Ion Ratio Lower Upper
78 100
77 36.2 19.6 29.4#

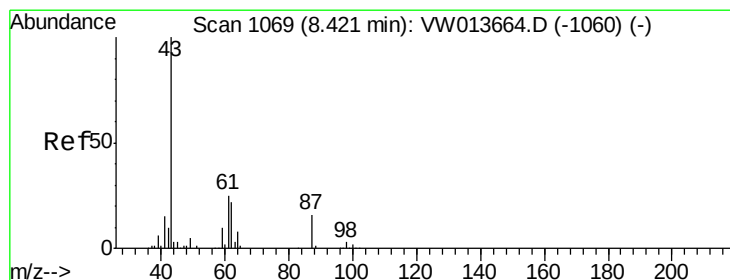
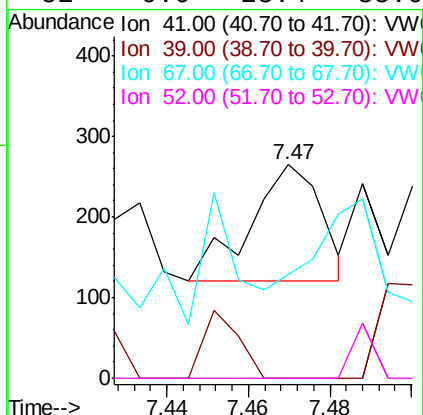
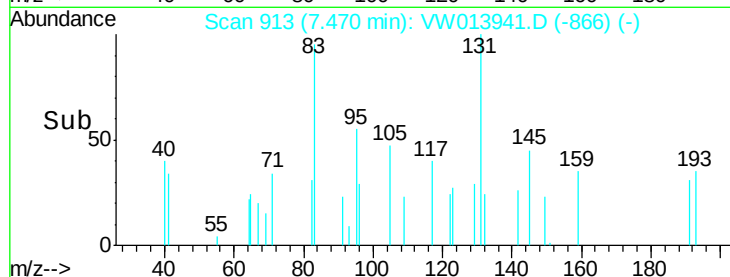
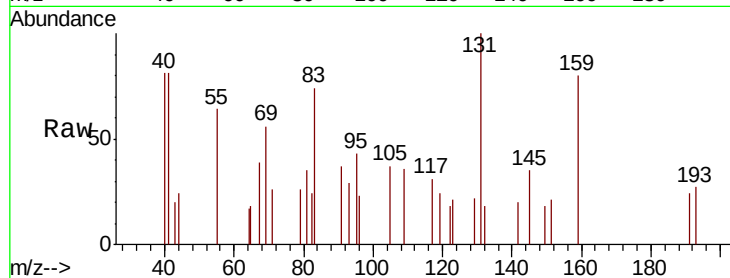




#41
Methacrylonitrile
Concen: 5.816 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

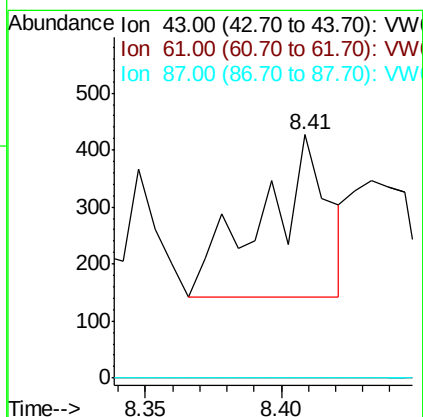
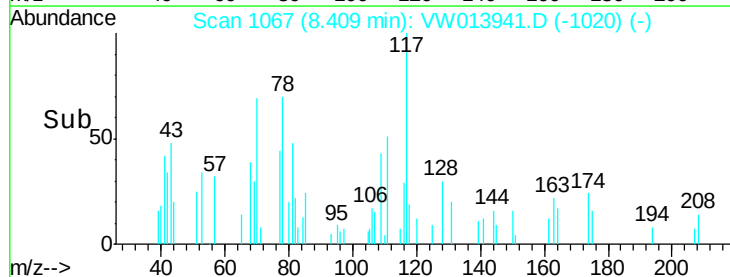
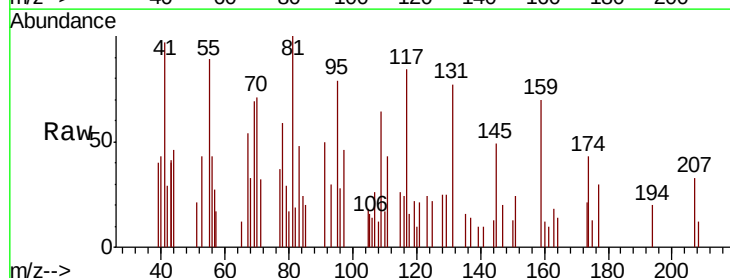
Instrument :
MSVOA_W
ClientSampled :
SB-11-(12-14)

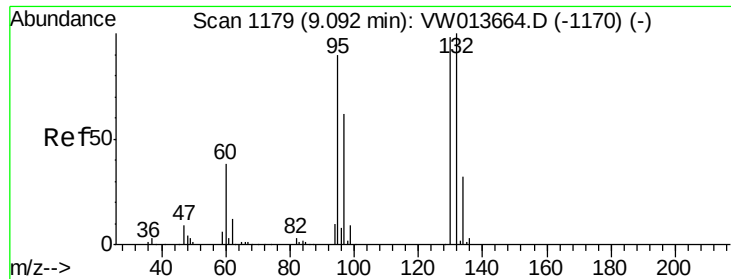
Tot Ion:	41	Resp:	177
Ion	Ratio	Lower	Upper
41	100		
39	28.2	44.8	67.2#
67	50.3	59.3	88.9#
52	0.0	23.4	35.0#



#43
Isopropyl Acetate
Concen: 5.149 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion:	43	Resp:	481
Ion	Ratio	Lower	Upper
43	100		
61	0.0	26.1	39.1#
87	0.0	11.4	17.0#





#44

Trichloroethene

Concen: 1.200 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

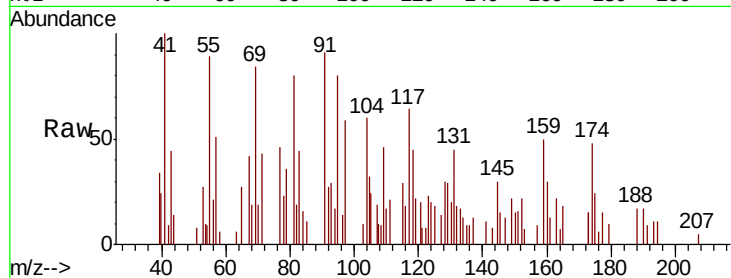
SB-11-(12-14)

Tot Ion:130 Resp: 124

Ion Ratio Lower Upper

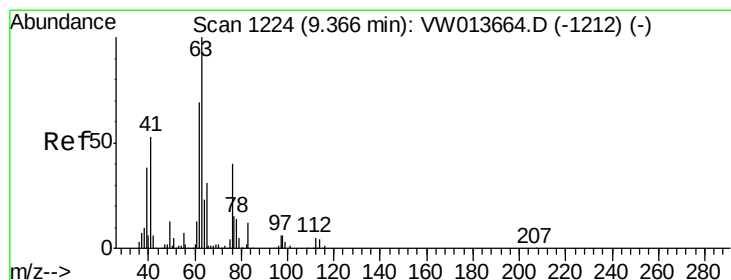
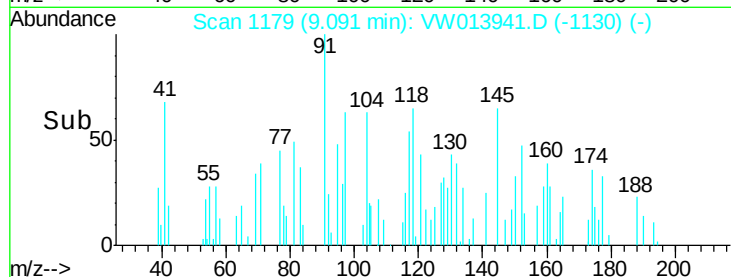
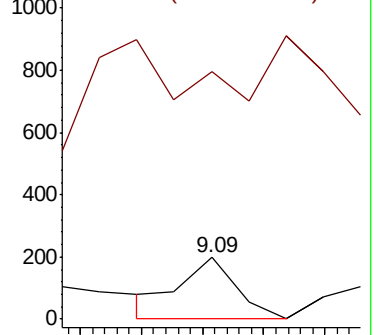
130 100

95 0.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 1.346 ug/l

RT: 9.35 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VW013941.D

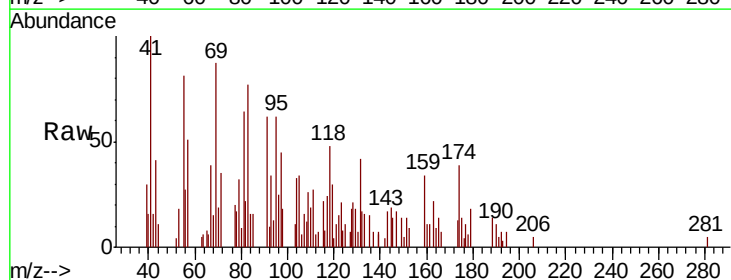
Acq: 08 Nov 2019 13:45

Tgt Ion: 63 Resp: 116

Ion Ratio Lower Upper

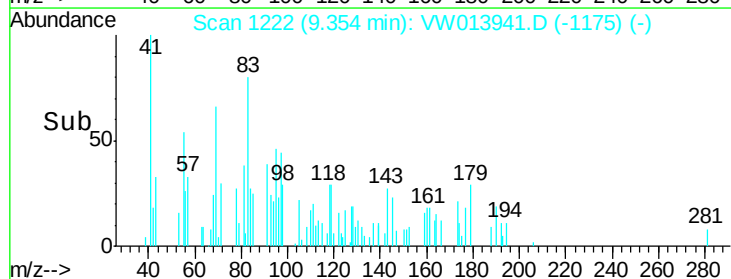
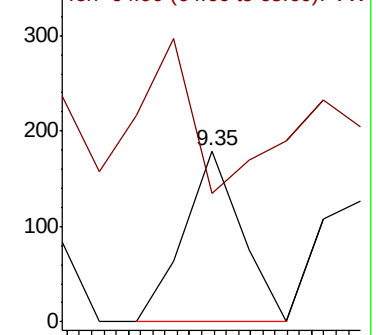
63 100

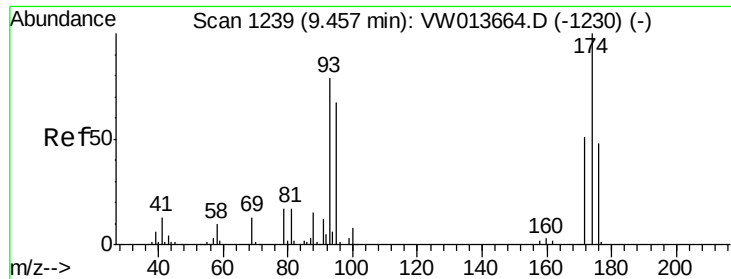
65 0.0 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 6.384 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

SB-11-(12-14)

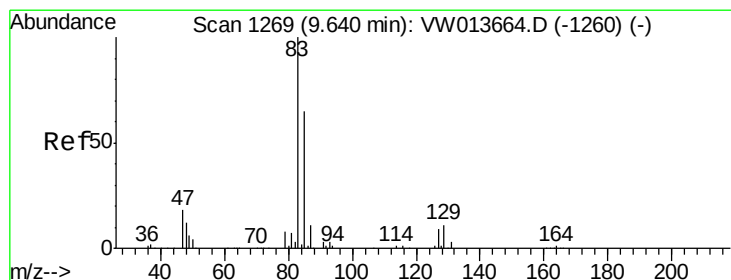
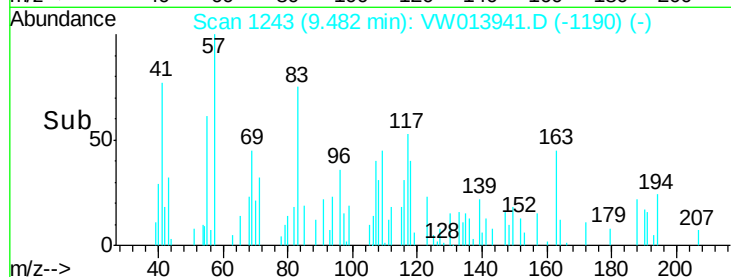
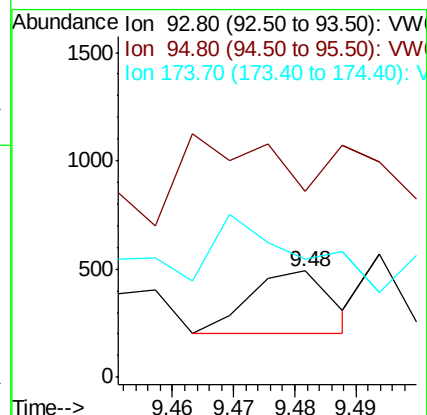
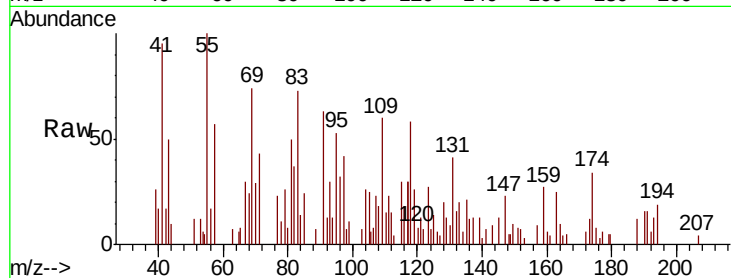
Tot Ion: 93 Resp: 267

Ion Ratio Lower Upper

93 100

95 172.7 66.5 99.7#

174 126.2 99.6 149.4



#47

Bromodichloromethane

Concen: 7.457 ug/l

RT: 9.61 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

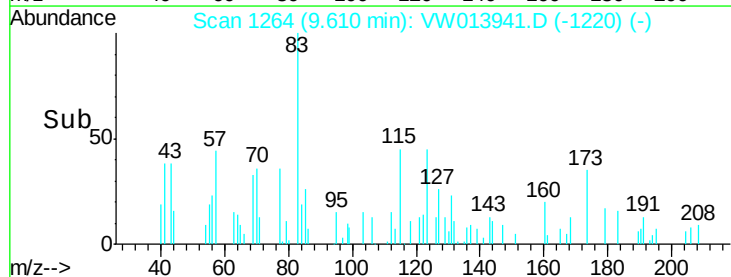
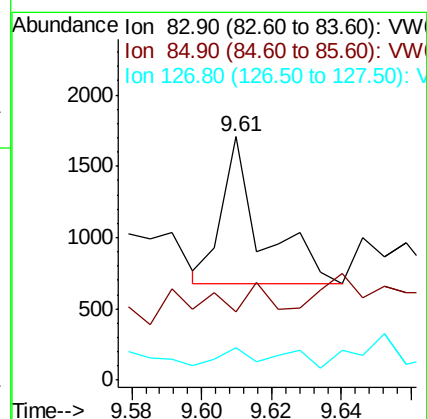
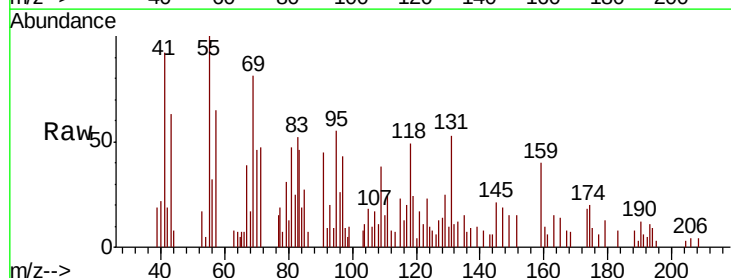
Tgt Ion: 83 Resp: 807

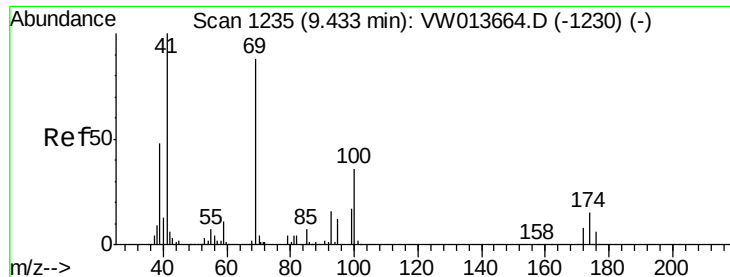
Ion Ratio Lower Upper

83 100

85 0.0 51.8 77.6#

127 12.7 7.3 10.9#

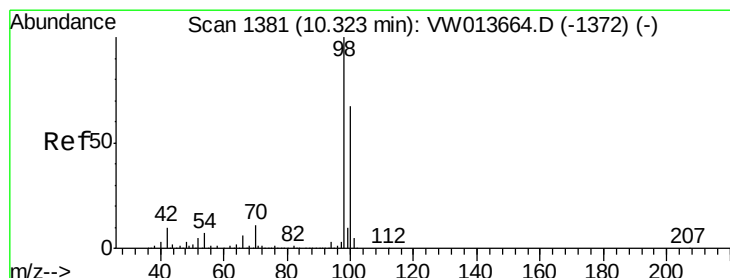
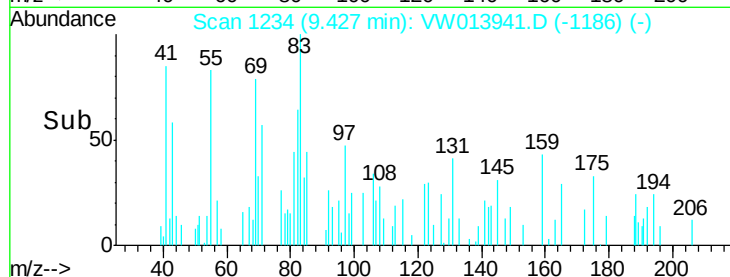
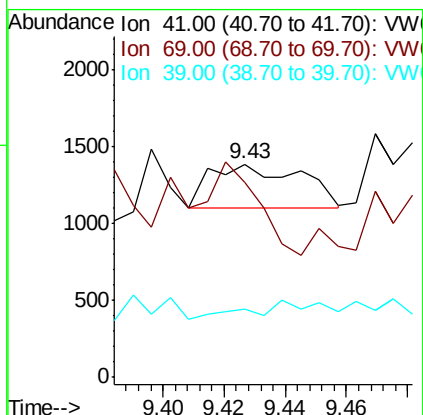
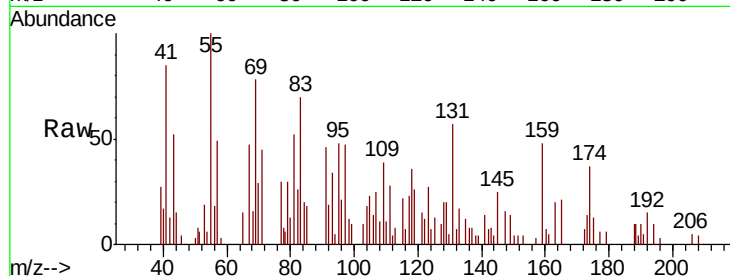




#48
Methyl methacrylate
Concen: 12.693 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

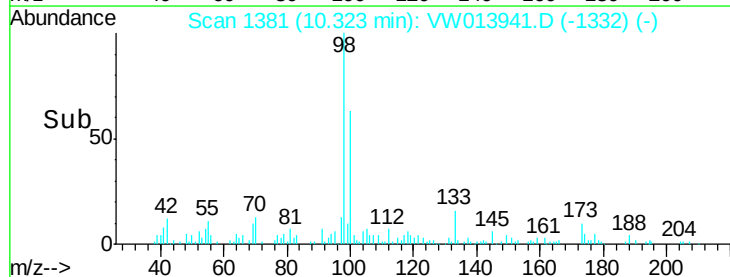
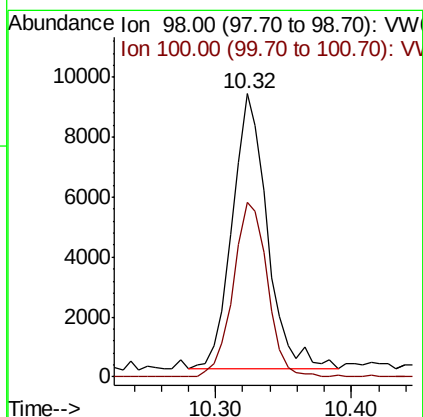
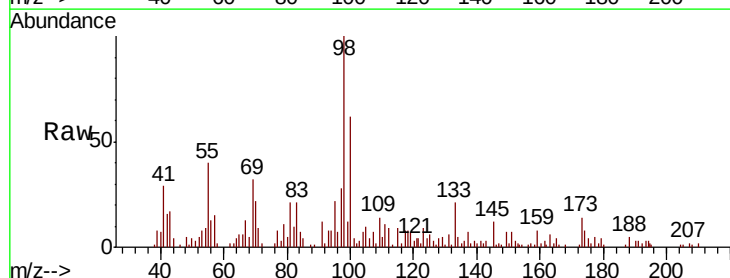
Instrument :
MSVOA_W
ClientSampleId :
SB-11-(12-14)

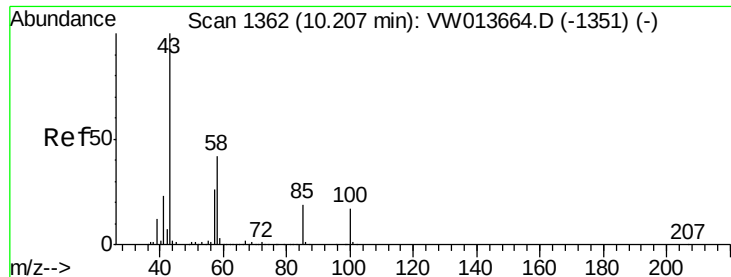
Tot Ion: 41 Resp: 588
Ion Ratio Lower Upper
41 100
69 163.3 67.6 101.4#
39 18.4 38.6 58.0#



#50
Toluene-d8
Concen: 53.026 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion: 98 Resp: 16435
Ion Ratio Lower Upper
98 100
100 62.0 53.4 80.0

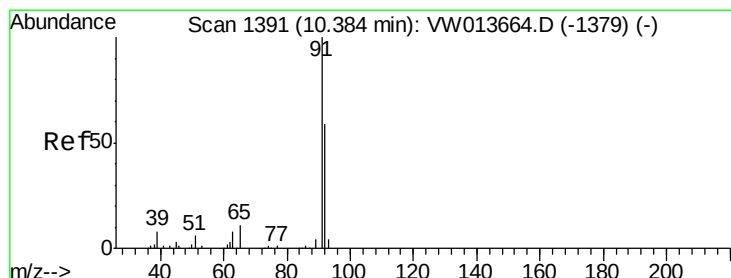
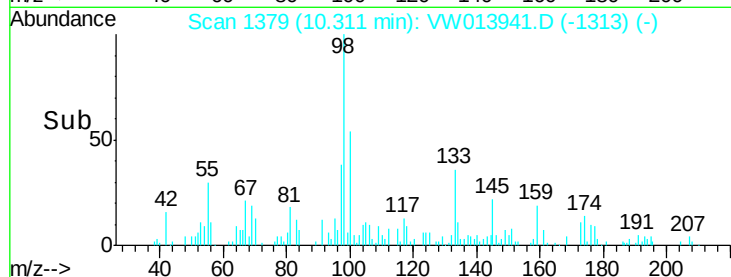
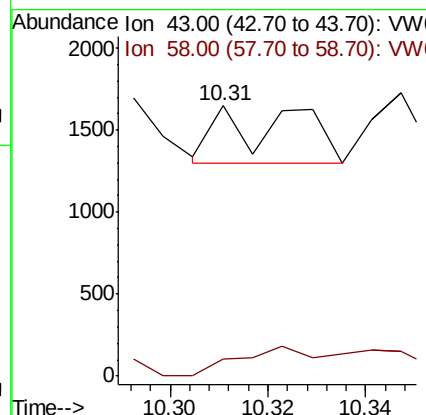
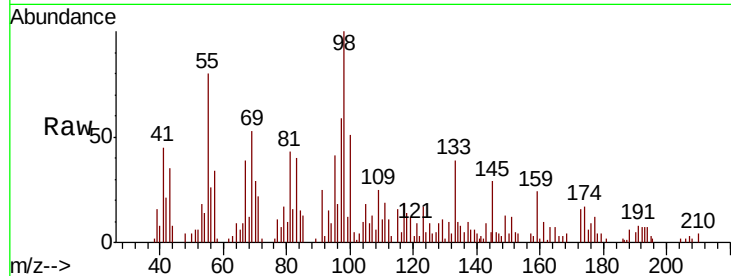




#51
4-Methyl-2-Pentanone
Concen: 8.273 ug/l
RT: 10.31 min Scan# 1379
Delta R.T. 0.10 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

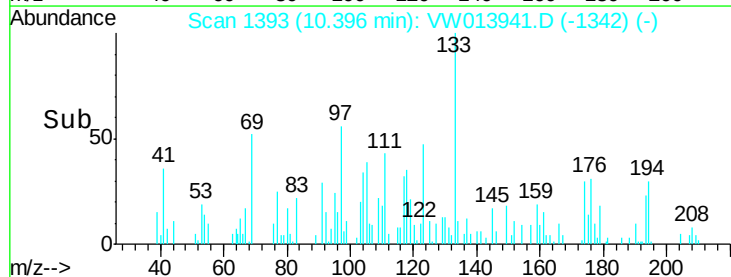
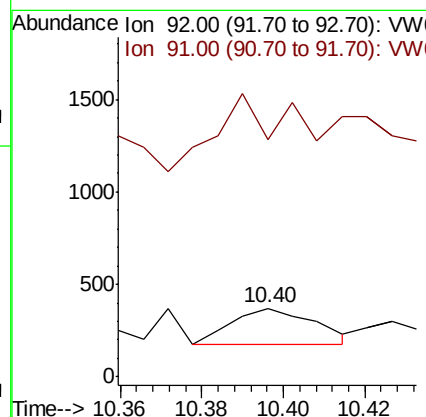
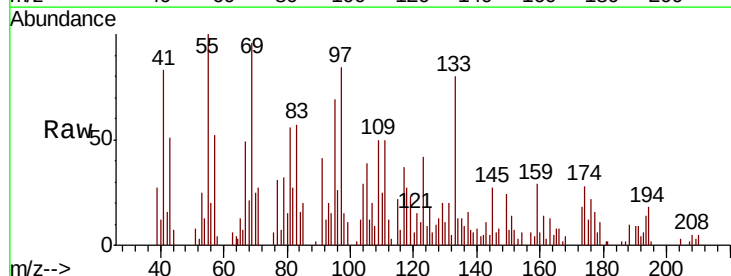
Instrument :
MSVOA_W
ClientSampleId :
SB-11-(12-14)

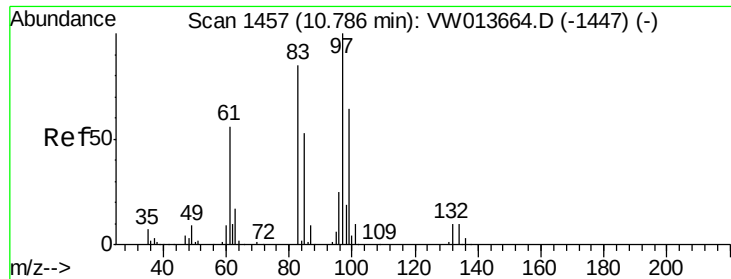
Tot Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 48.2 32.6 49.0



#52
Toluene
Concen: 1.212 ug/l
RT: 10.40 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion: 92 Resp: 282
Ion Ratio Lower Upper
92 100
91 190.8 134.5 201.7





#55

1,1,2-Trichloroethane

Concen: 16.010 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

SB-11-(12-14)

Tot Ion: 97 Resp: 998

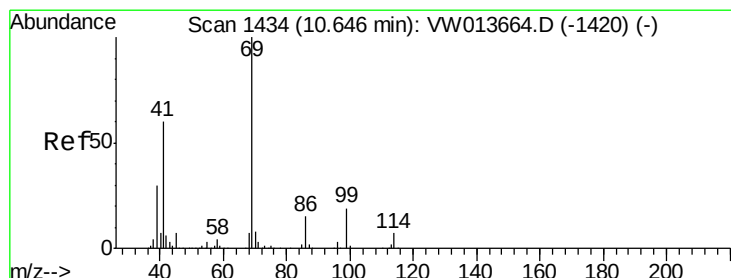
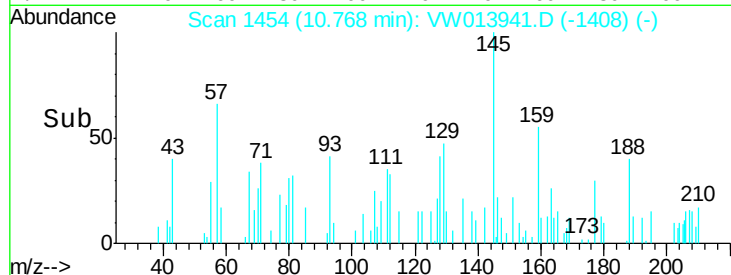
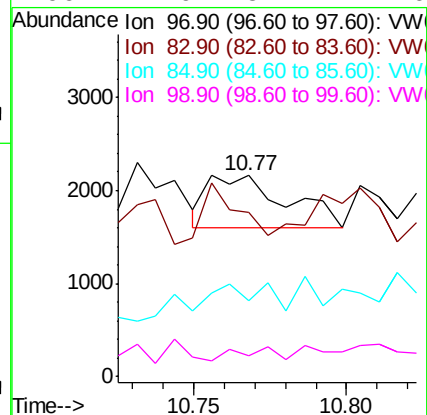
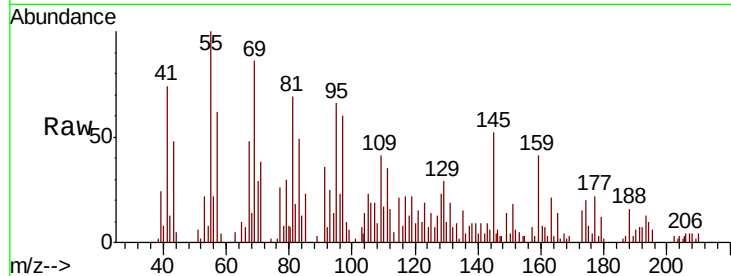
Ion Ratio Lower Upper

97 100

83 48.0 67.8 101.8#

85 20.5 42.1 63.1#

99 1.9 51.4 77.0#



#56

Ethyl methacrylate

Concen: 5.898 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

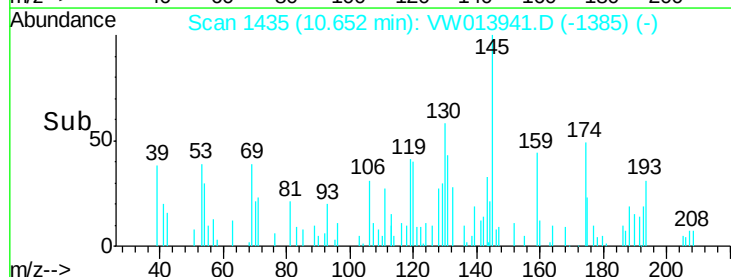
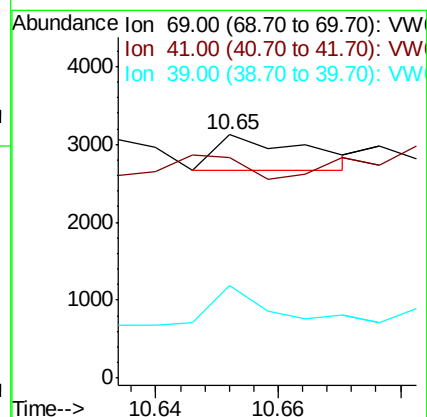
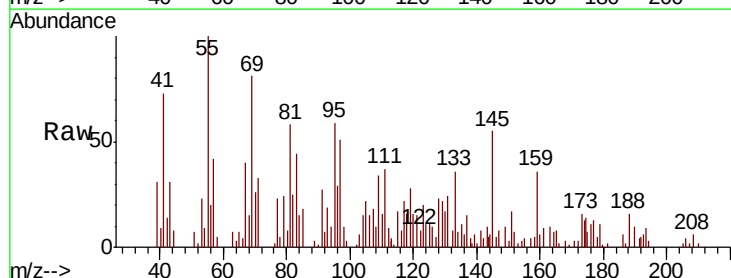
Tgt Ion: 69 Resp: 460

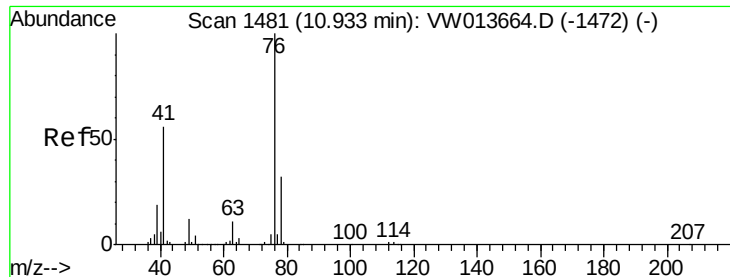
Ion Ratio Lower Upper

69 100

41 65.9 51.6 77.4

39 85.0 22.4 33.6#





#57

1,3-Dichloropropane

Concen: 2.309 ug/l

RT: 10.87 min Scan# 1471

Delta R.T. -0.06 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

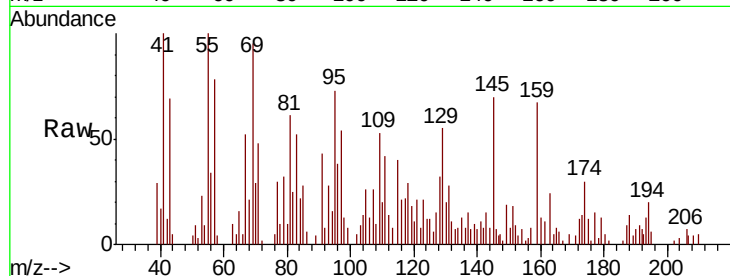
SB-11-(12-14)

Tot Ion: 76 Resp: 247

Ion Ratio Lower Upper

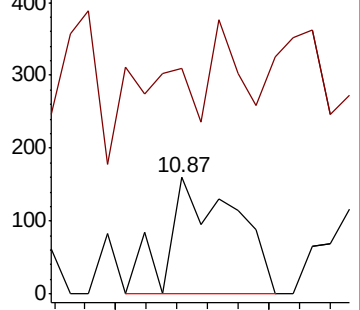
76 100

78 34.0 26.0 39.0

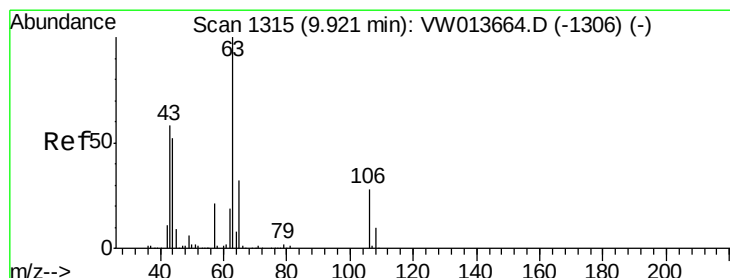
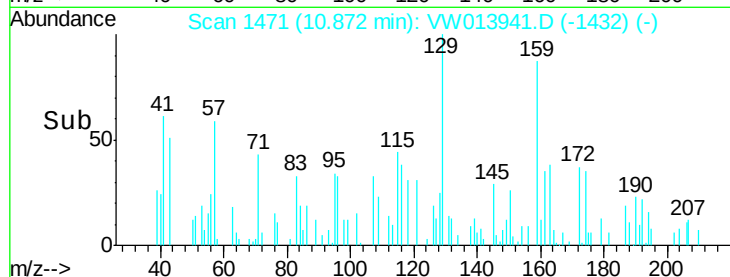


Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.647 ug/l

RT: 9.91 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VW013941.D

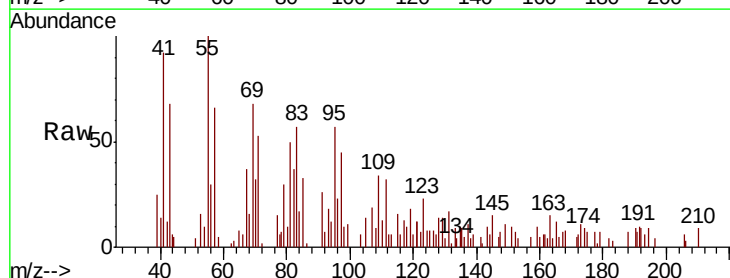
Acq: 08 Nov 2019 13:45

Tgt Ion: 63 Resp: 95

Ion Ratio Lower Upper

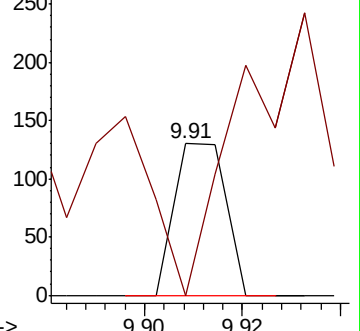
63 100

106 140.0 23.8 35.8#

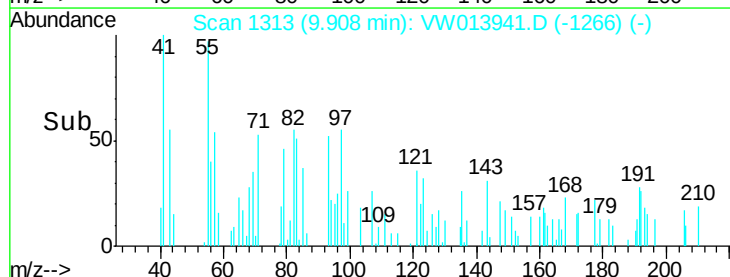


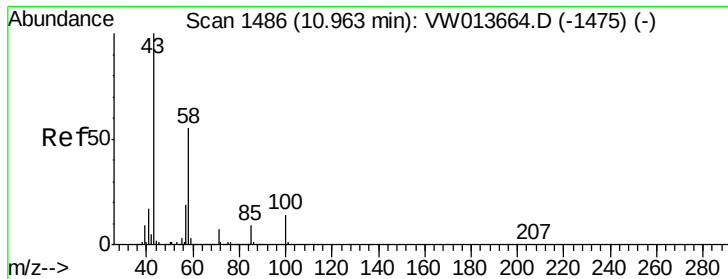
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



Time-->





#59

2-Hexanone

Concen: 13.781 ug/l

RT: 10.91 min Scan# 1477

Delta R.T. -0.06 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

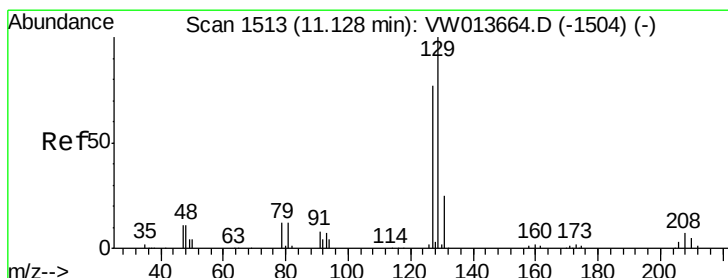
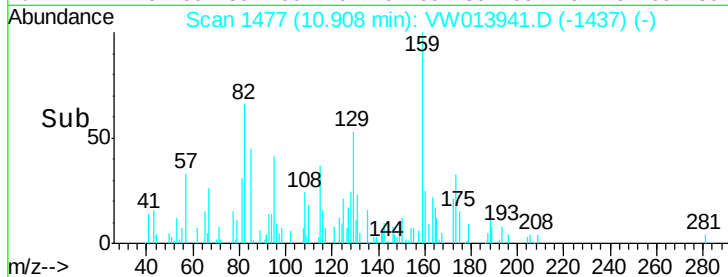
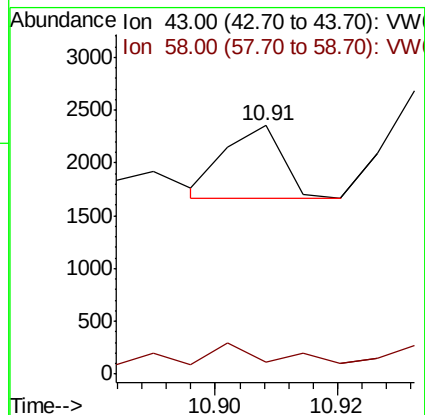
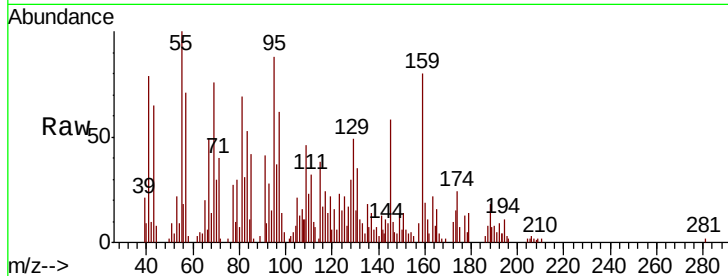
SB-11-(12-14)

Tot Ion: 43 Resp: 441

Ion Ratio Lower Upper

43 100

58 42.4 27.9 83.7



#60

Dibromochloromethane

Concen: 17.767 ug/l

RT: 11.04 min Scan# 1498

Delta R.T. -0.09 min

Lab File: VW013941.D

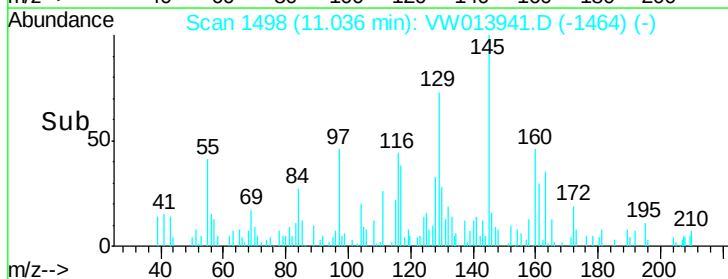
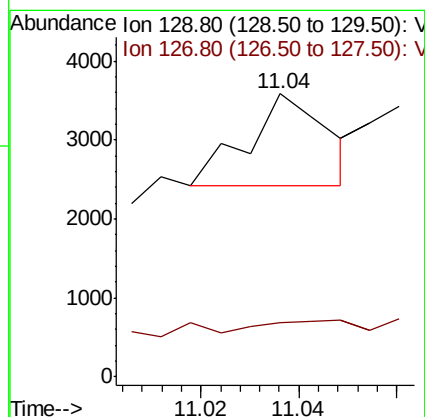
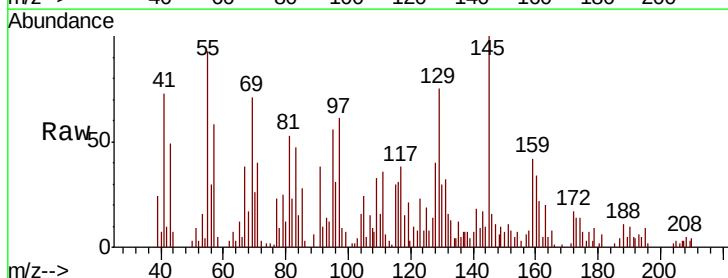
Acq: 08 Nov 2019 13:45

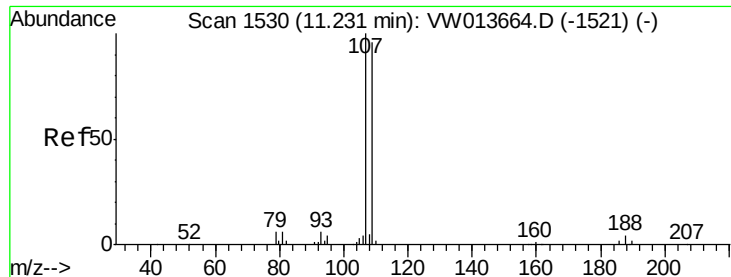
Tgt Ion: 129 Resp: 1315

Ion Ratio Lower Upper

129 100

127 73.4 38.9 116.7

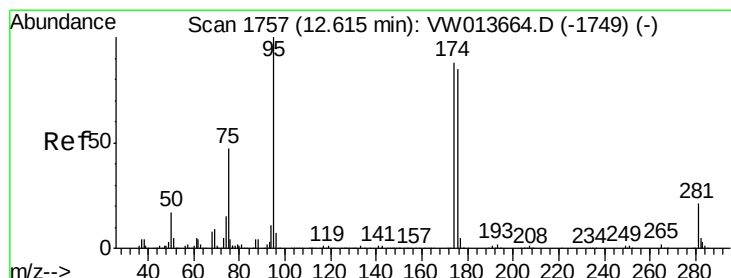
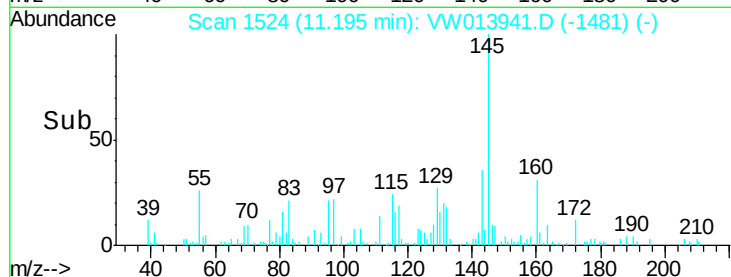
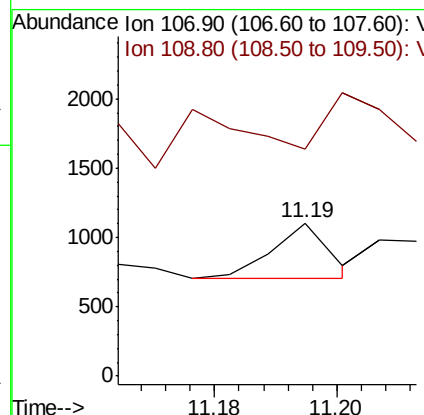
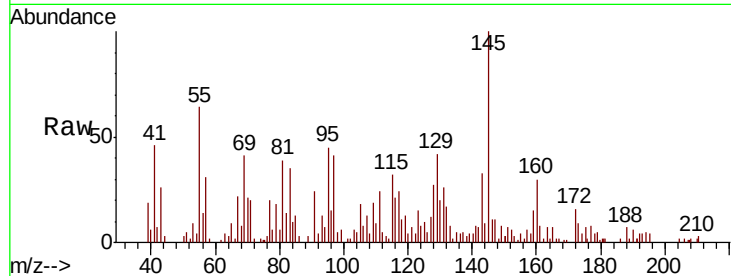




#61
 1,2-Dibromoethane
 Concen: 4.443 ug/l
 RT: 11.19 min Scan# 1524
 Delta R.T. -0.04 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

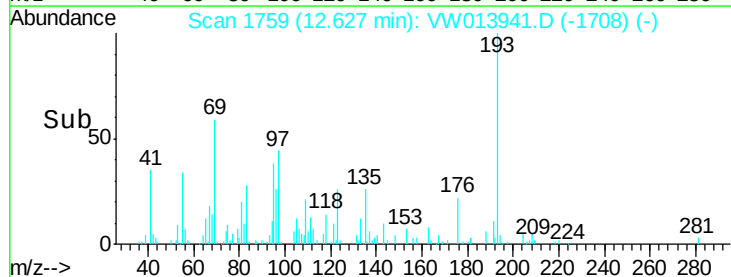
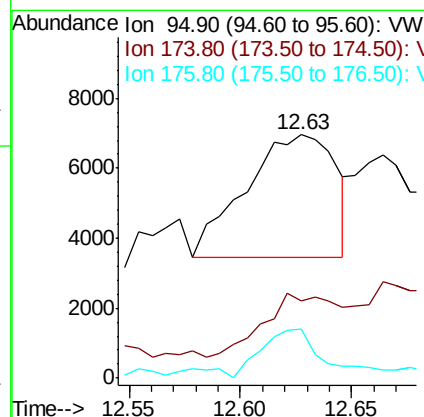
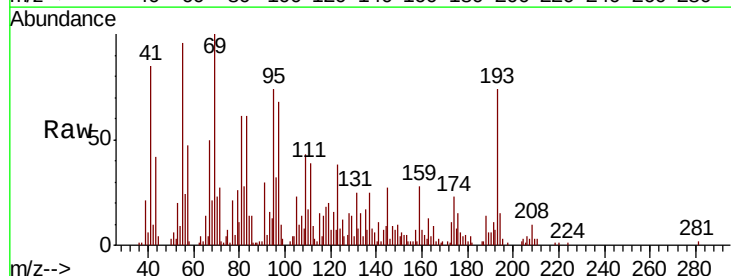
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(12-14)

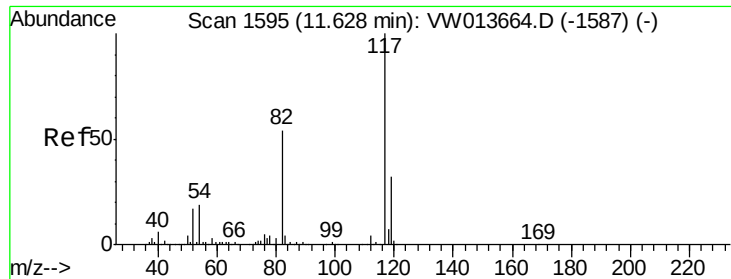
Tot Ion: 107 Resp: 262
 Ion Ratio Lower Upper
 107 100
 109 105.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 93.447 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

Tgt Ion: 95 Resp: 9807
 Ion Ratio Lower Upper
 95 100
 174 42.5 0.0 183.6
 176 28.9 0.0 178.0

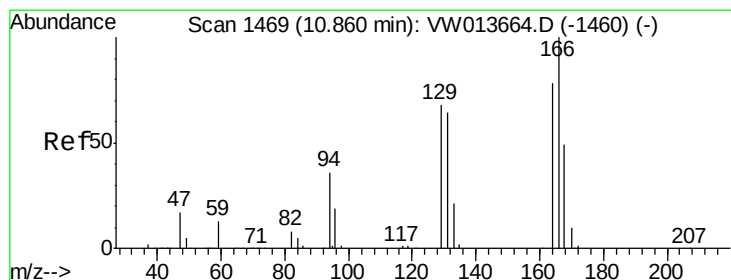
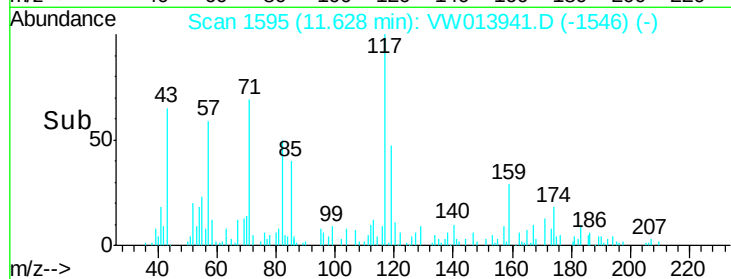
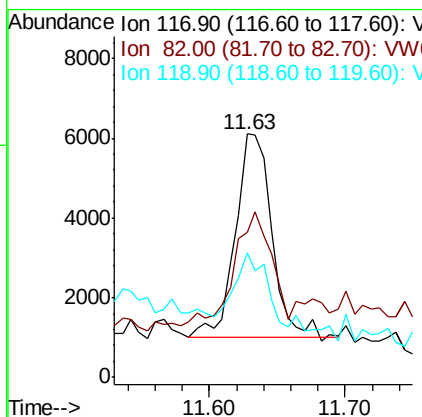
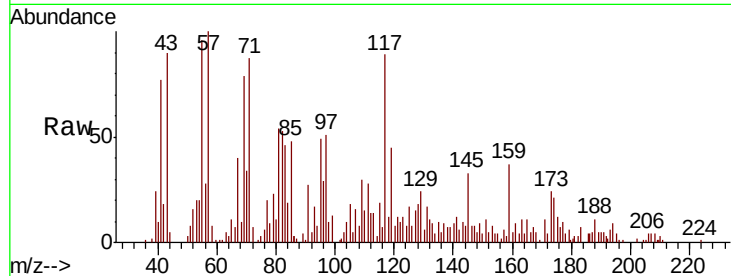




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

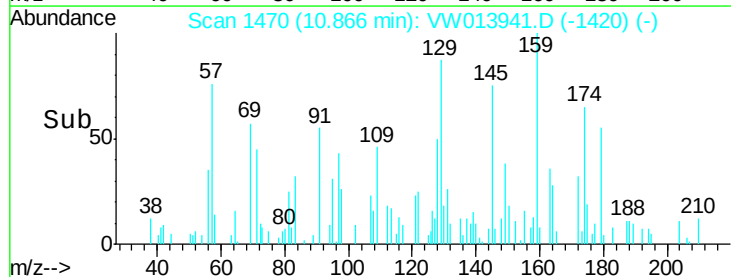
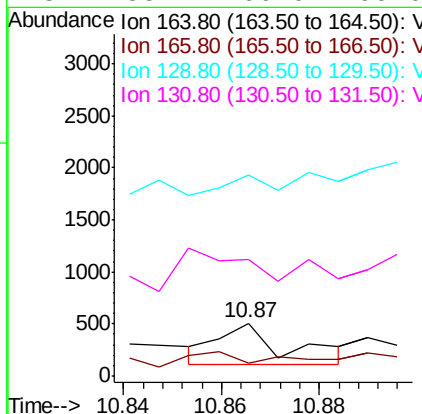
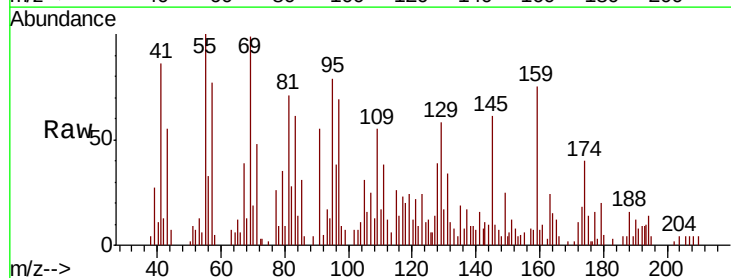
Instrument :
MSVOA_W
ClientSampleId :
SB-11-(12-14)

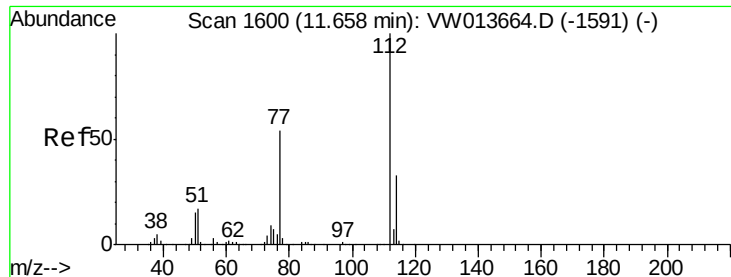
Tot Ion:117 Resp: 9488
Ion Ratio Lower Upper
117 100
82 44.0 43.6 65.4
119 43.5 25.4 38.2#



#64
Tetrachloroethene
Concen: 5.380 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion:164 Resp: 390
Ion Ratio Lower Upper
164 100
166 0.0 103.2 154.8#
129 90.7 70.6 105.8
131 83.1 66.0 99.0

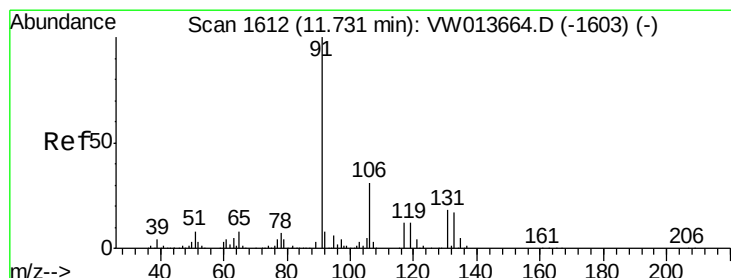
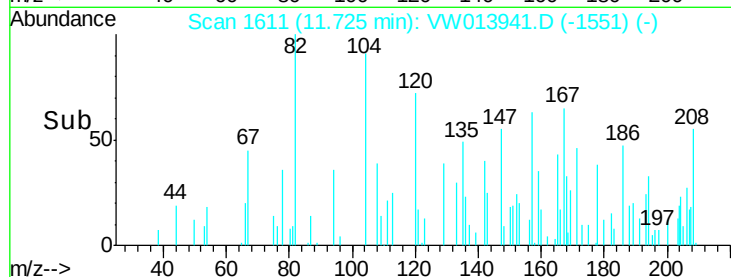
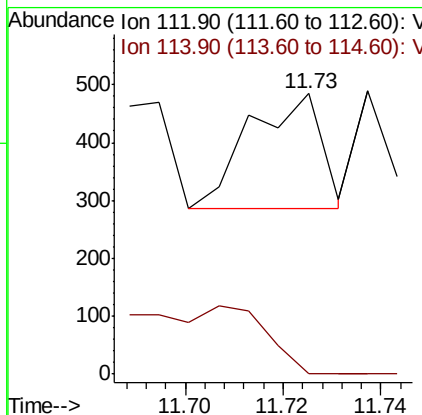
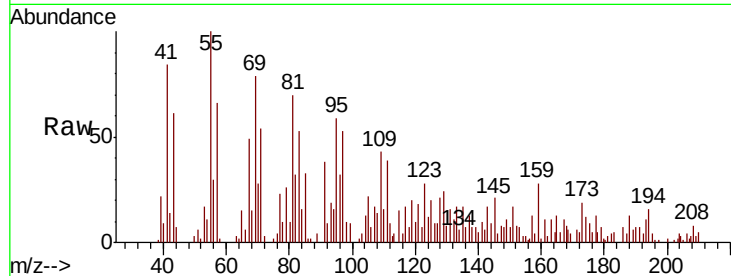




#65
Chlorobenzene
Concen: 1.046 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.07 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

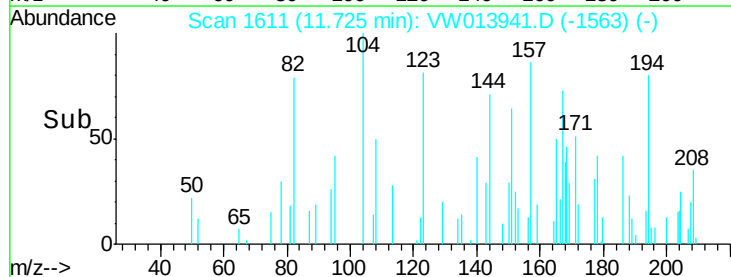
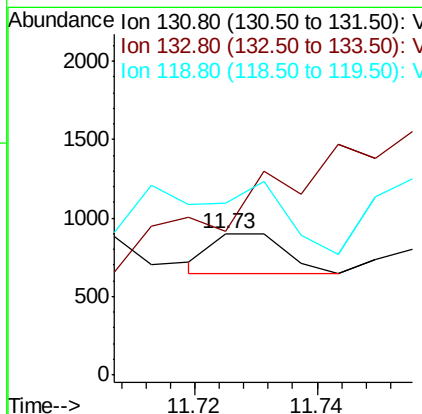
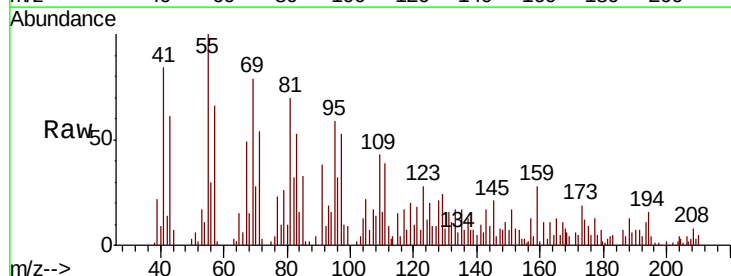
Instrument :
MSVOA_W
ClientSampleId :
SB-11-(12-14)

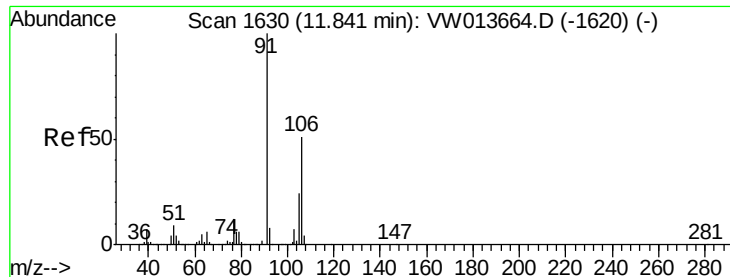
Tot Ion:112 Resp: 204
Ion Ratio Lower Upper
112 100
114 0.0 26.2 39.4#



#66
1,1,1,2-Tetrachloroethane
Concen: 3.042 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion:131 Resp: 207
Ion Ratio Lower Upper
131 100
133 0.0 47.4 142.3#
119 0.0 33.1 99.2#





#68

m/p-Xylenes

Concen: 6.037 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

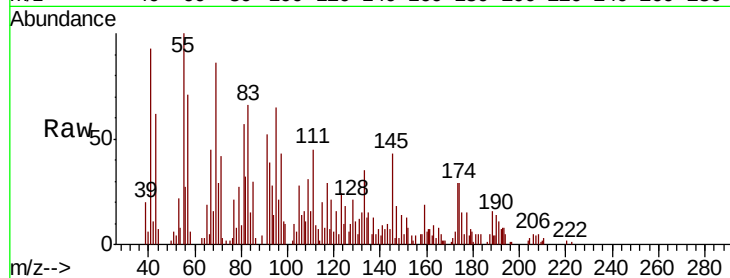
SB-11-(12-14)

Tot Ion:106 Resp: 820

Ion Ratio Lower Upper

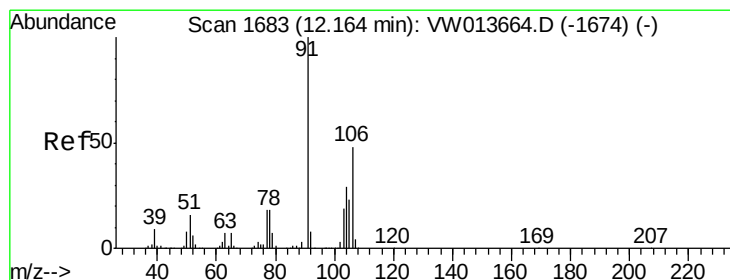
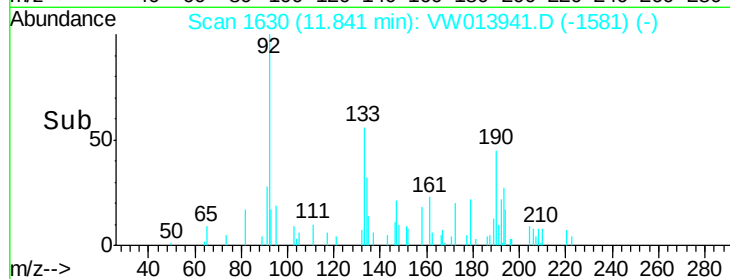
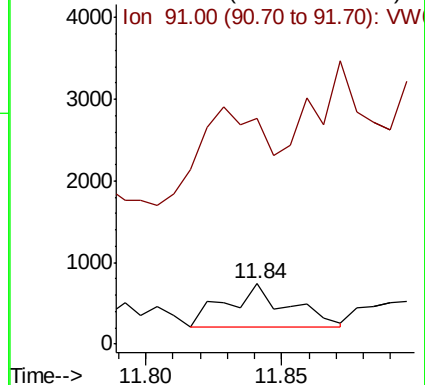
106 100

91 241.0 159.2 238.8#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 2.715 ug/l

RT: 12.13 min Scan# 1678

Delta R.T. -0.03 min

Lab File: VW013941.D

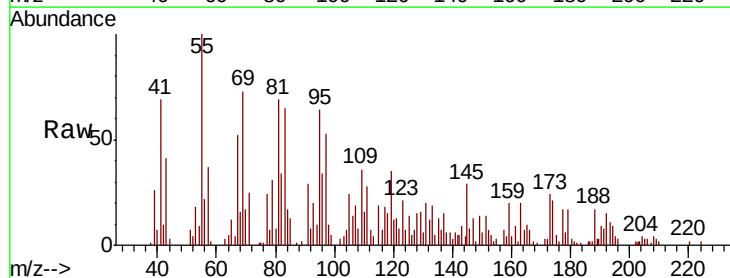
Acq: 08 Nov 2019 13:45

Tgt Ion:106 Resp: 339

Ion Ratio Lower Upper

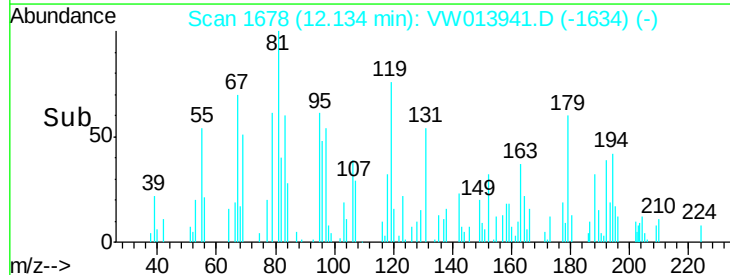
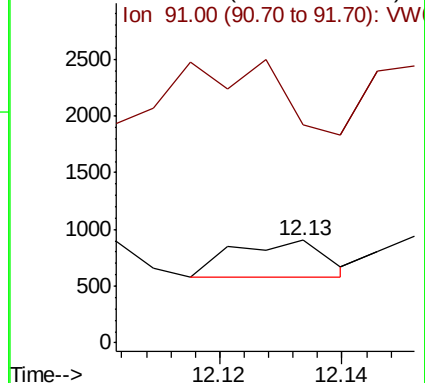
106 100

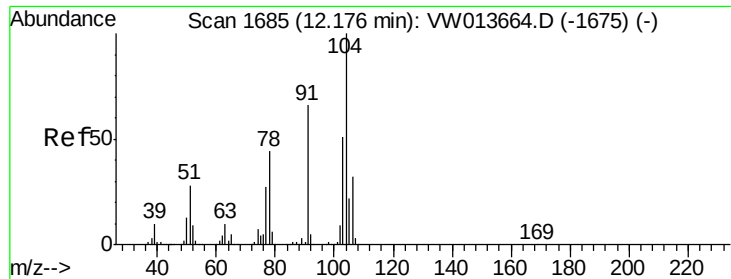
91 274.6 104.9 314.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

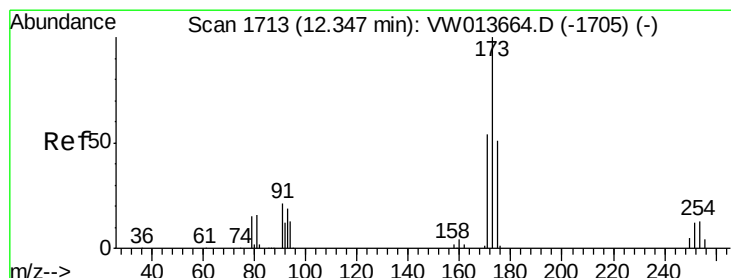
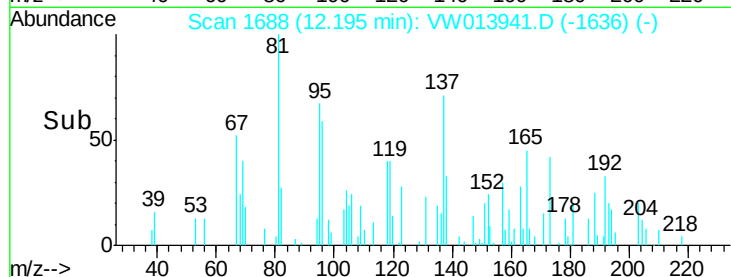
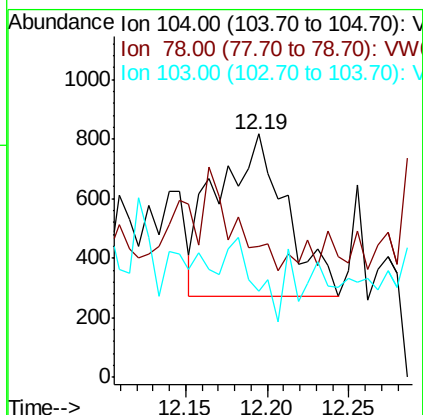
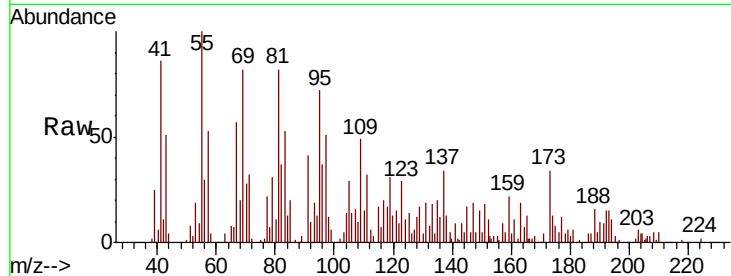




#70
Stvrene
Concen: 7.492 ug/l
RT: 12.19 min Scan# 1688
Delta R.T. 0.02 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

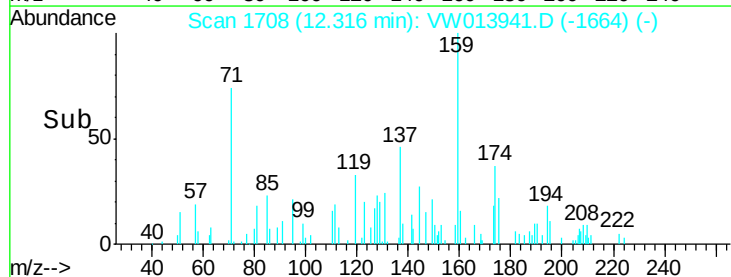
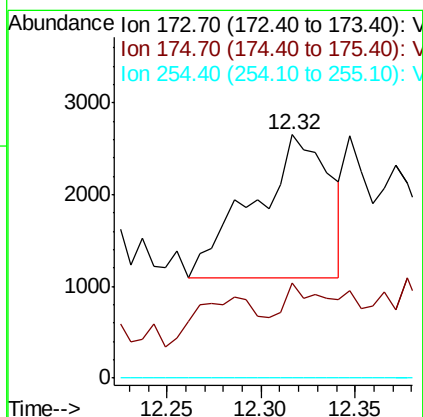
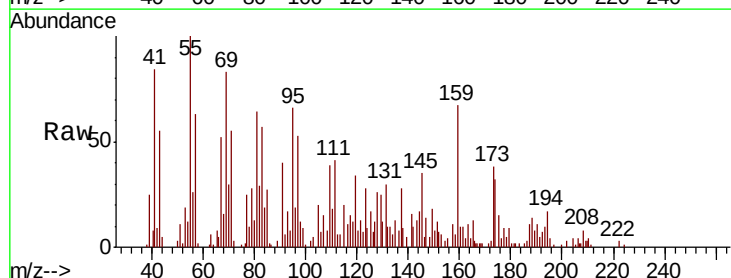
Instrument :
MSVOA_W
ClientSampled :
SB-11-(12-14)

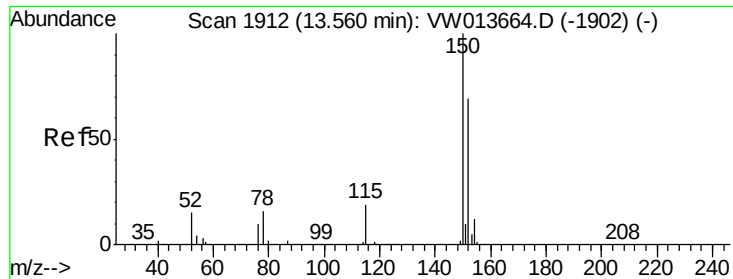
Tot Ion:104 Resp: 1607
Ion Ratio Lower Upper
104 100
78 0.0 37.1 55.7#
103 20.7 43.6 65.4#



#71
Bromoform
Concen: 122.772 ug/l
RT: 12.32 min Scan# 1708
Delta R.T. -0.03 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion:173 Resp: 4384
Ion Ratio Lower Upper
173 100
175 29.7 25.2 75.6
254 0.0 0.1 0.1#



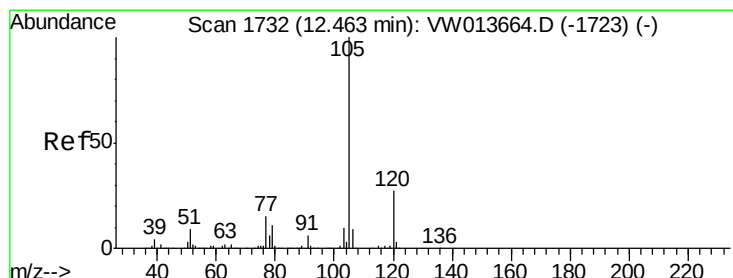
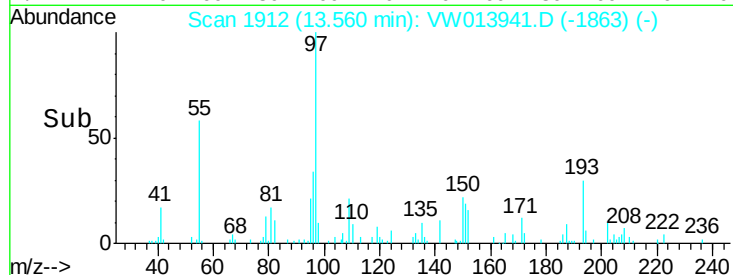
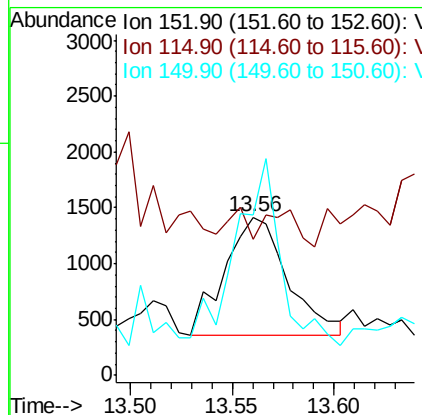
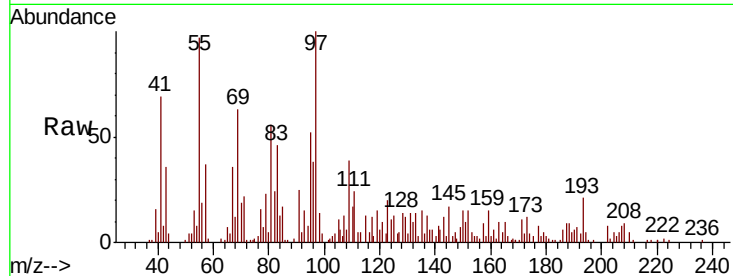


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
SB-11-(12-14)

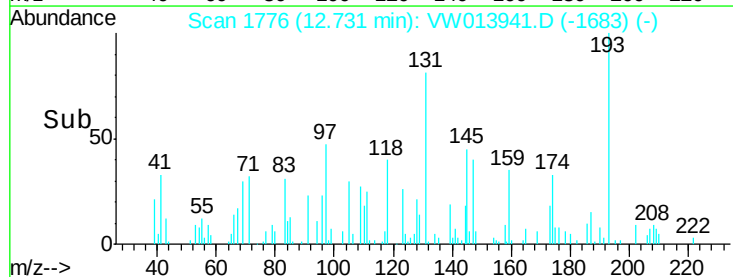
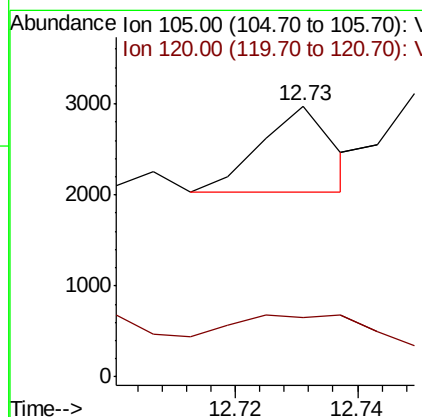
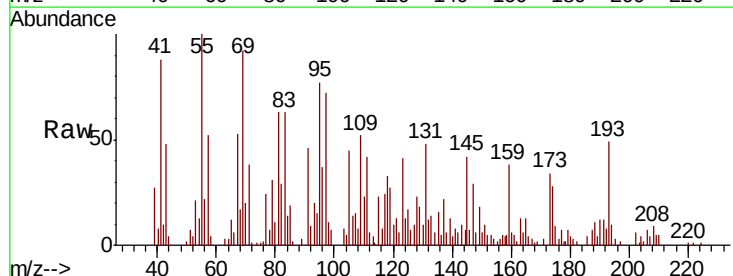
Tot Ion:152 Resp: 2296
Ion Ratio Lower Upper
152 100
115 15.8 27.4 82.2#
150 111.2 0.0 345.4

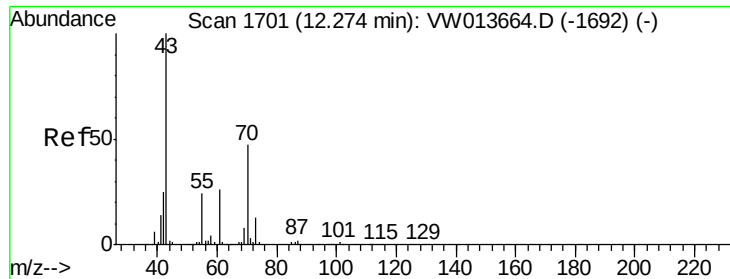


#73

Isopropylbenzene
Concen: 4.737 ug/l
RT: 12.73 min Scan# 1776
Delta R.T. 0.27 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion:105 Resp: 781
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

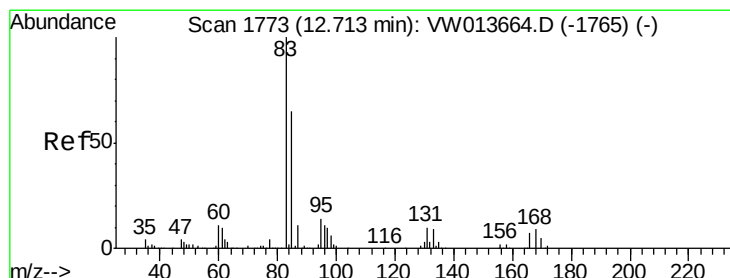
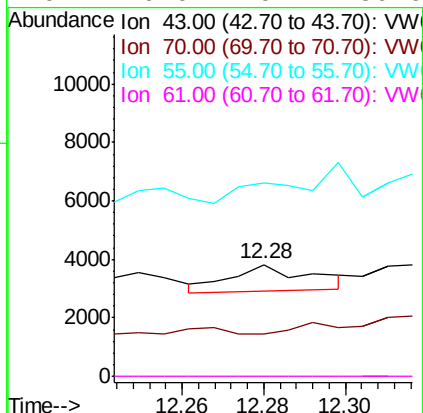
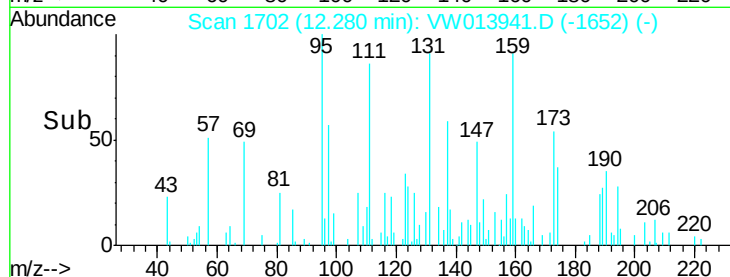
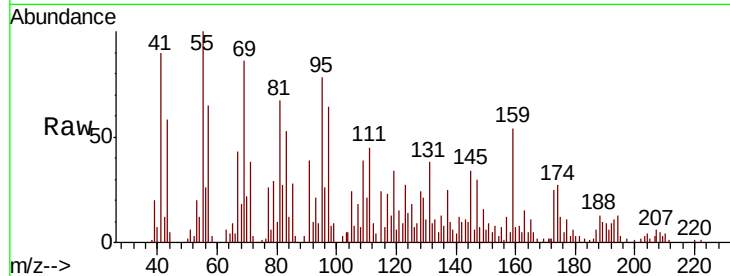




#74
N-amvl acetate
Concen: 38.375 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

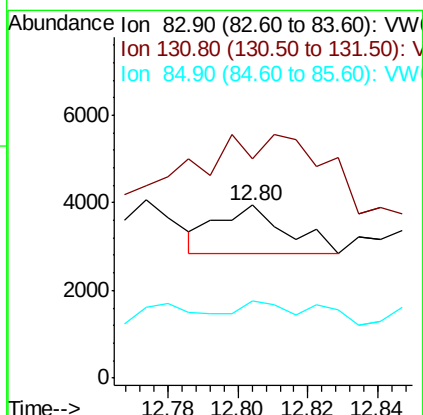
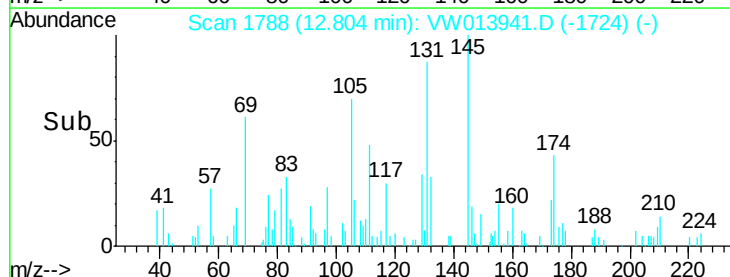
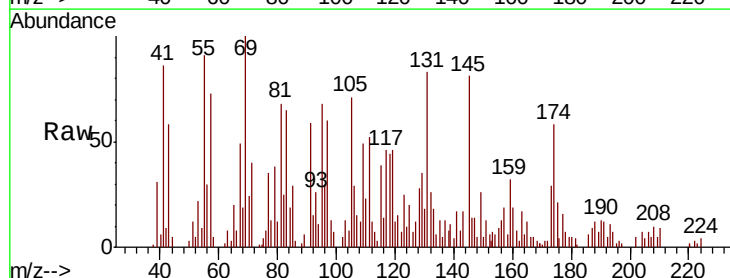
Instrument :
MSVOA_W
ClientSampled :
SB-11-(12-14)

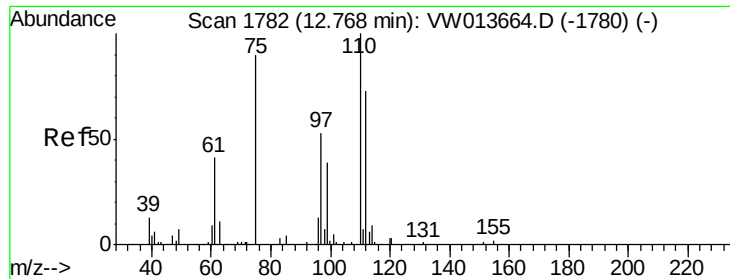
Tot Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
70 60.5 36.6 55.0#
55 0.0 20.3 30.5#
61 0.0 20.4 30.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 57.995 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.09 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion: 83 Resp: 1509
Ion Ratio Lower Upper
83 100
131 1351.6 5.7 17.1#
85 56.6 32.5 97.4

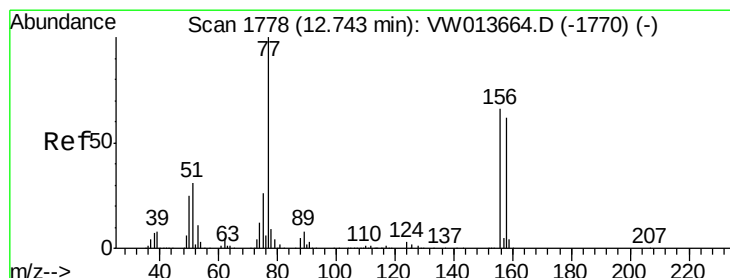
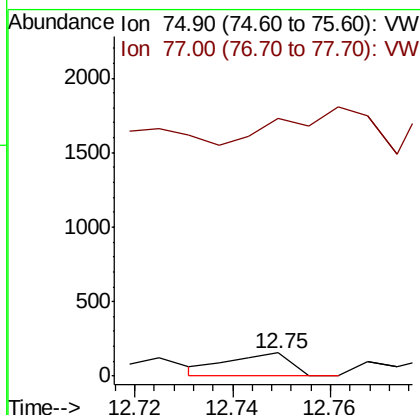
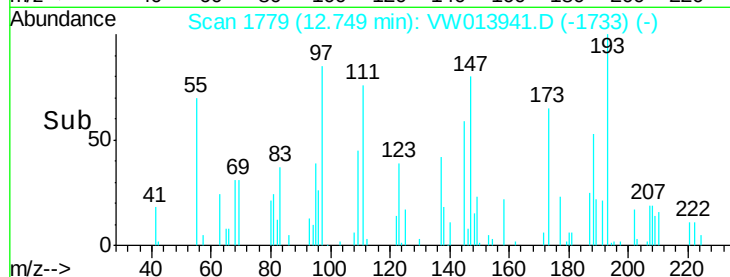
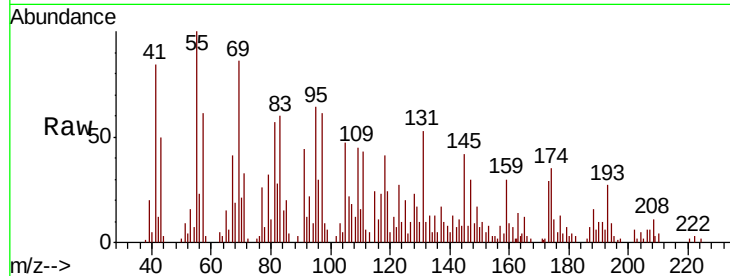




#76
 1,2,3-Trichloropropane
 Concen: 8.127 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. -0.02 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

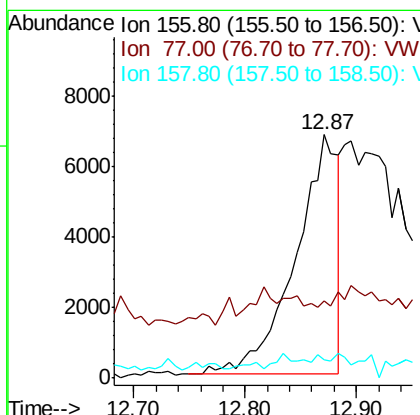
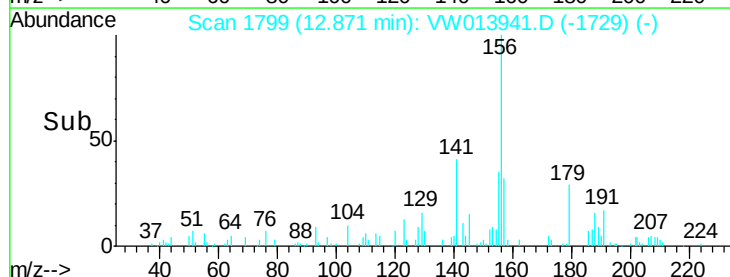
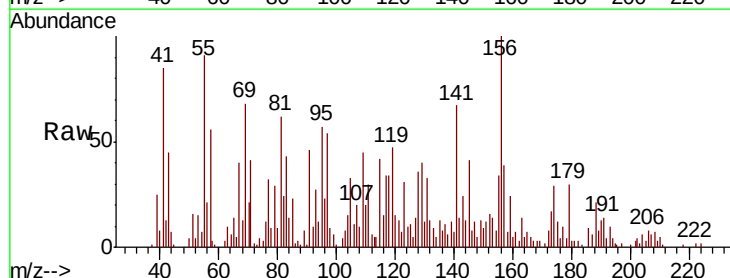
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(12-14)

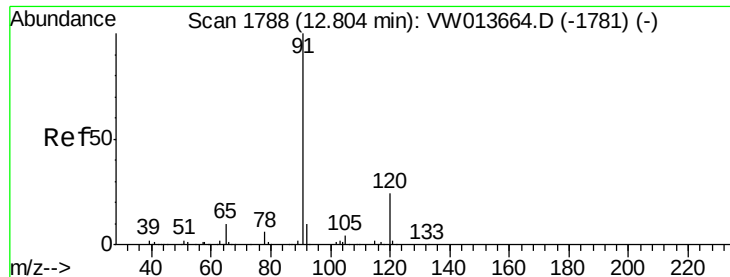
Tot Ion: 75 Resp: 134
 Ion Ratio Lower Upper
 75 100
 77 308.2 0.0 0.0#



#77
 Bromobenzene
 Concen: 459.856 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. 0.13 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

Tgt Ion: 156 Resp: 18113
 Ion Ratio Lower Upper
 156 100
 77 0.0 82.9 248.7#
 158 0.0 48.4 145.2#





#78

n-propylbenzene

Concen: 14.567 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

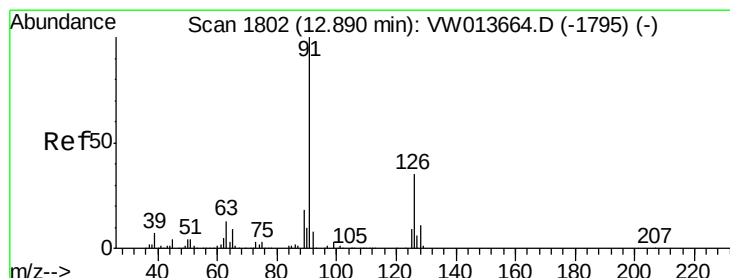
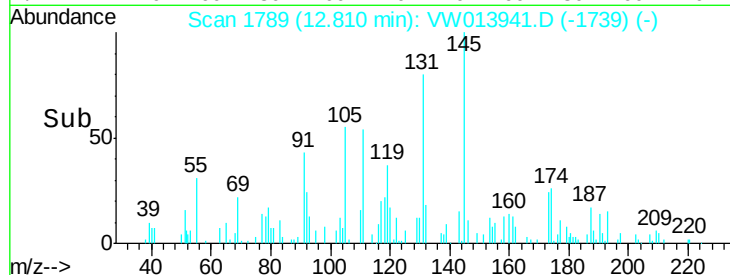
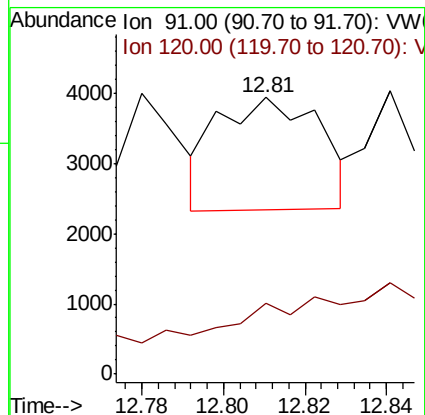
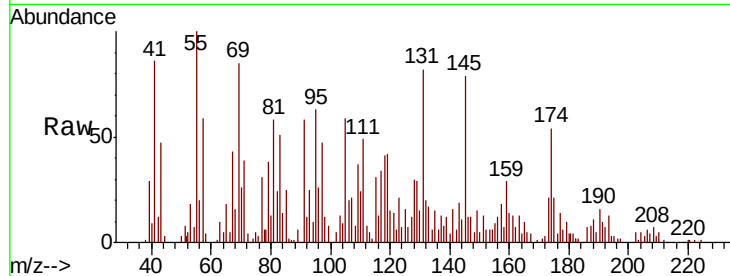
SB-11-(12-14)

Tot Ion: 91 Resp: 2780

Ion Ratio Lower Upper

91 100

120 0.0 12.0 36.0#



#79

2-Chlorotoluene

Concen: 13.837 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.02 min

Lab File: VW013941.D

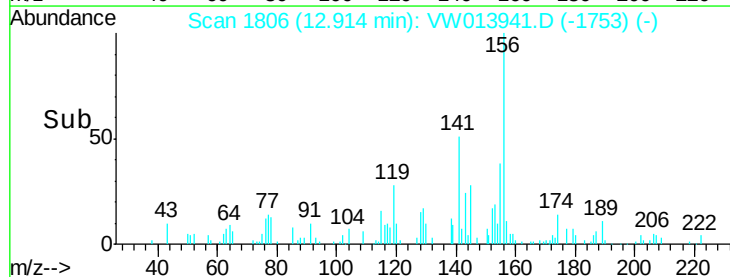
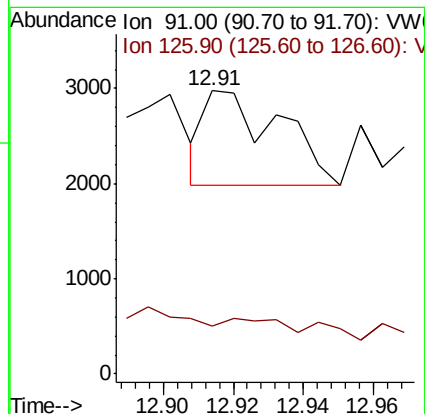
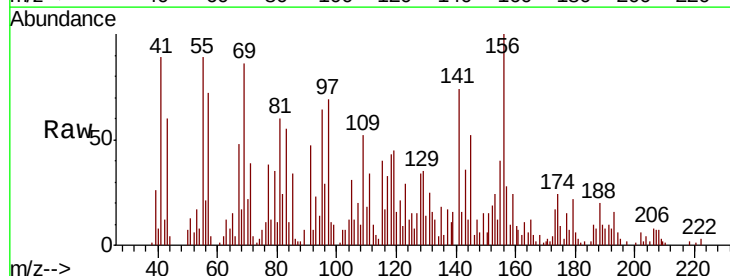
Acq: 08 Nov 2019 13:45

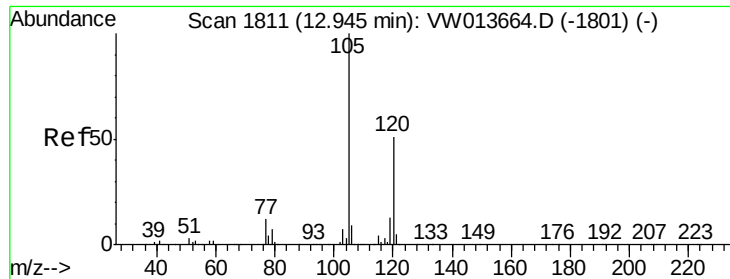
Tgt Ion: 91 Resp: 1484

Ion Ratio Lower Upper

91 100

126 25.5 17.4 52.2

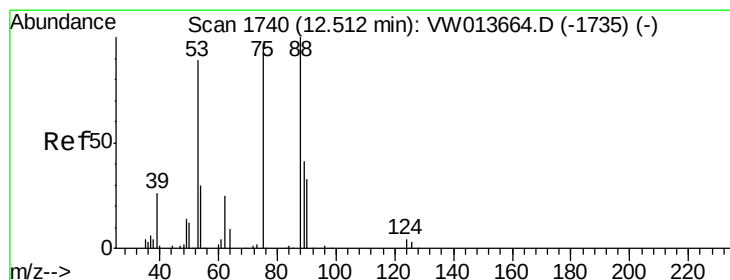
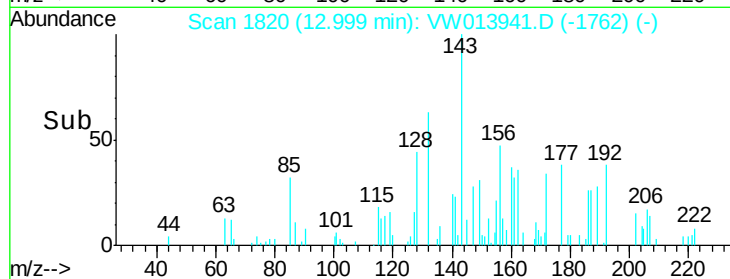
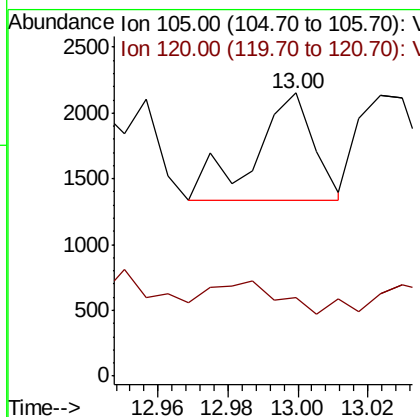
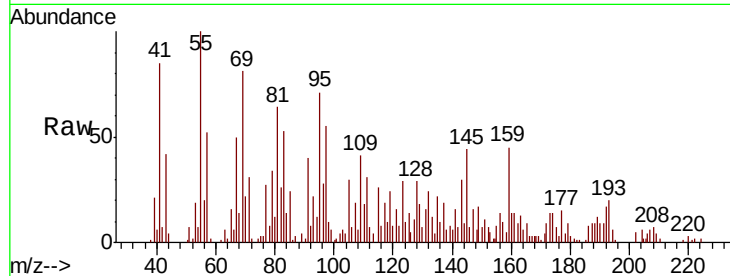




#80
 1,3,5-Trimethylbenzene
 Concen: 6.761 ug/l
 RT: 13.00 min Scan# 1820
 Delta R.T. 0.05 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

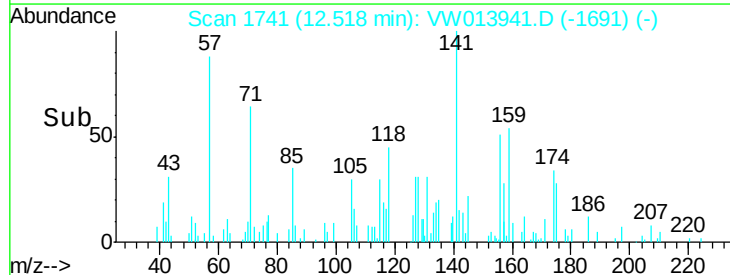
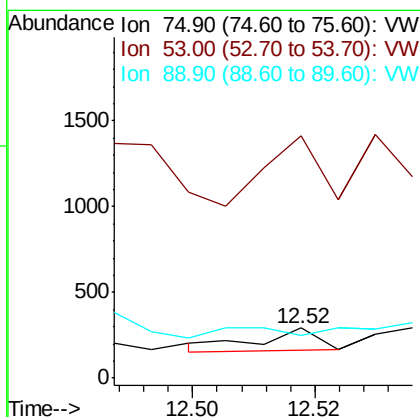
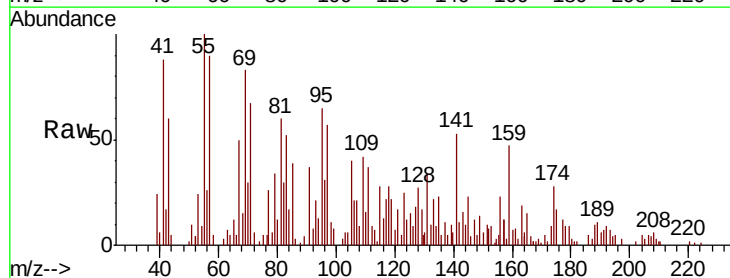
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(12-14)

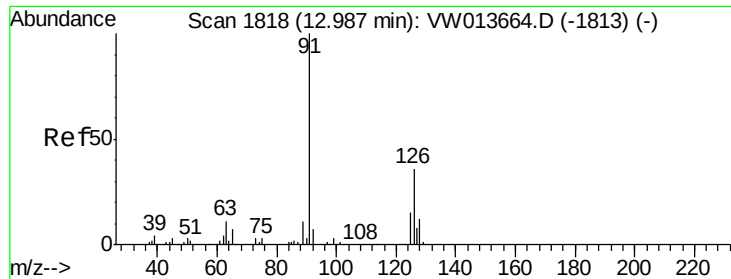
Tot Ion:105 Resp: 941
 Ion Ratio Lower Upper
 105 100
 120 36.1 25.1 75.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.972 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. 0.01 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

Tgt Ion: 75 Resp: 87
 Ion Ratio Lower Upper
 75 100
 53 289.7 71.7 107.5#
 89 0.0 35.8 53.8#

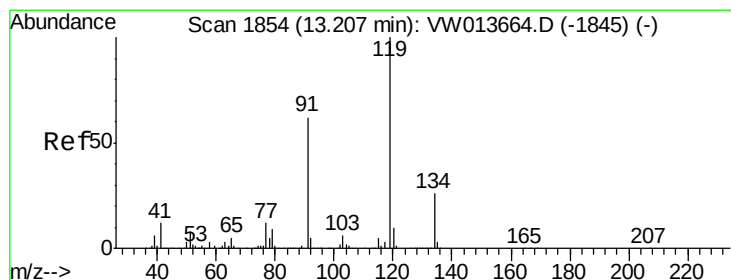
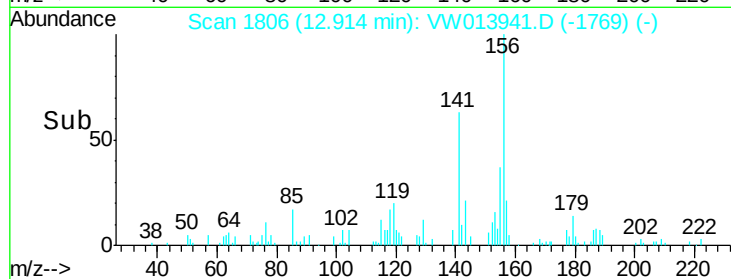
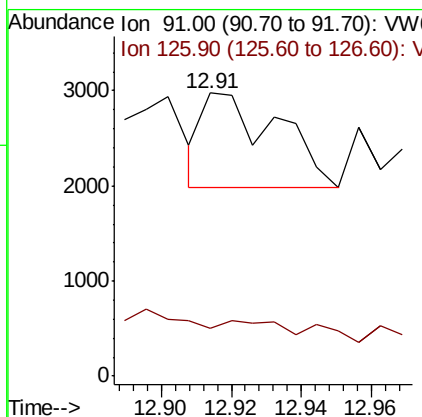
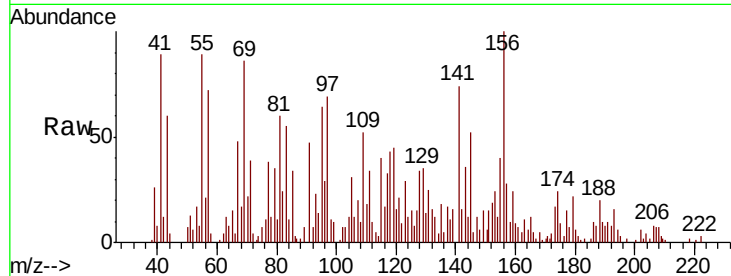




#82
4-Chlorotoluene
Concen: 13.180 ug/l
RT: 12.91 min Scan# 1806
Delta R.T. -0.07 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

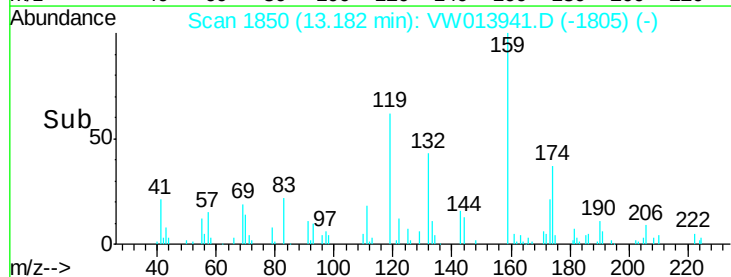
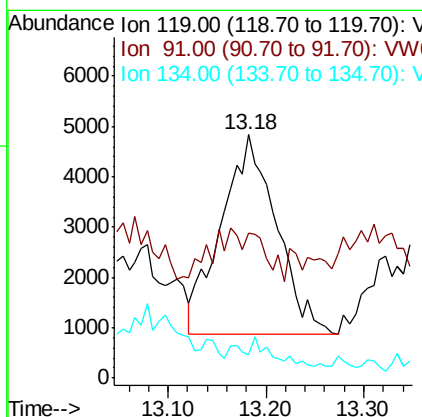
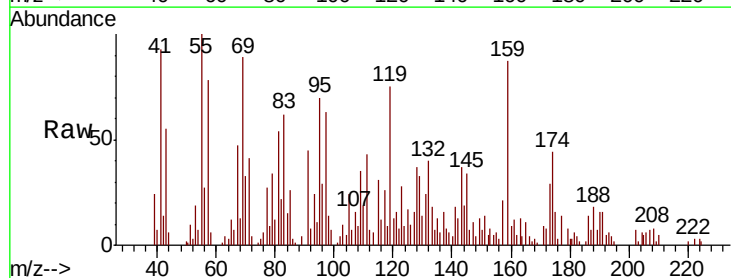
Instrument :
MSVOA_W
ClientSampleId :
SB-11-(12-14)

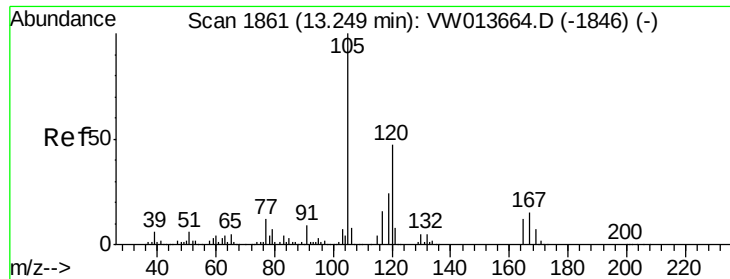
Tot Ion: 91 Resp: 1484
Ion Ratio Lower Upper
91 100
126 35.7 17.2 51.5



#83
tert-Butylbenzene
Concen: 125.520 ug/l
RT: 13.18 min Scan# 1850
Delta R.T. -0.02 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion: 119 Resp: 15508
Ion Ratio Lower Upper
119 100
91 6.1 30.4 91.3#
134 2.6 13.6 40.8#

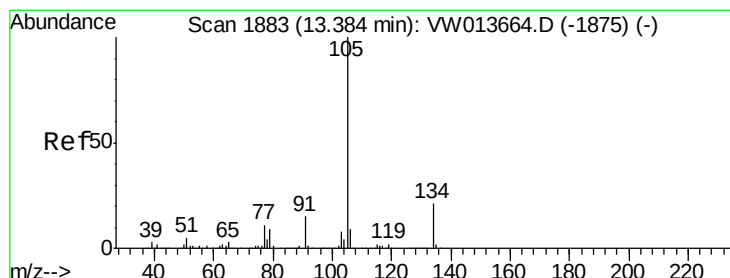
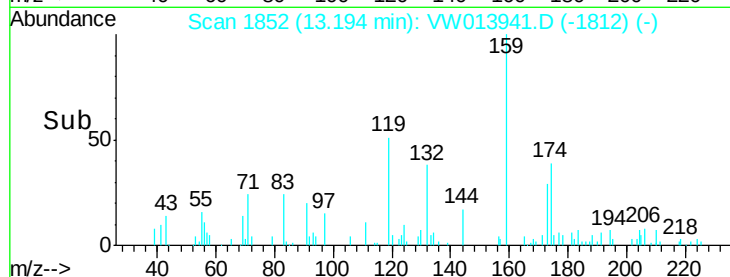
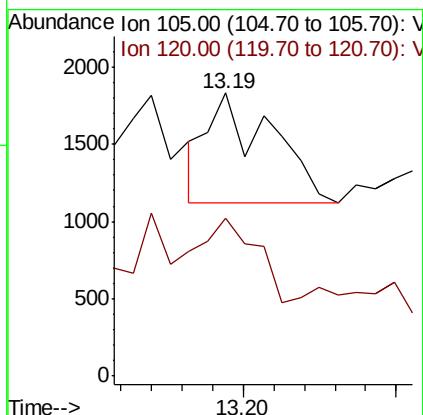
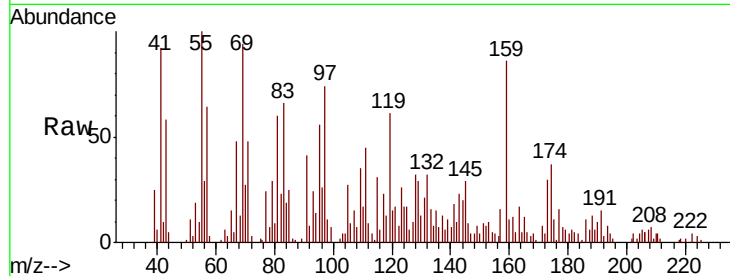




#84
 1,2,4-Trimethylbenzene
 Concen: 7.509 ug/l
 RT: 13.19 min Scan# 1852
 Delta R.T. -0.06 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

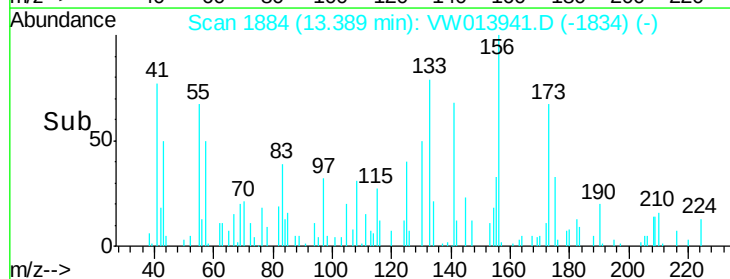
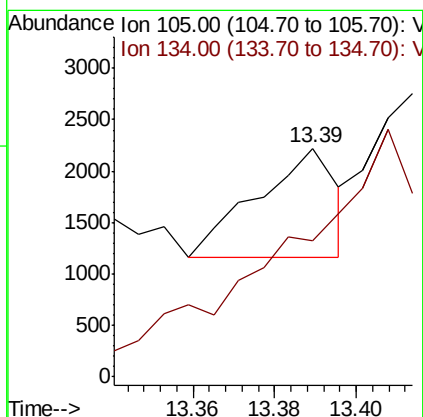
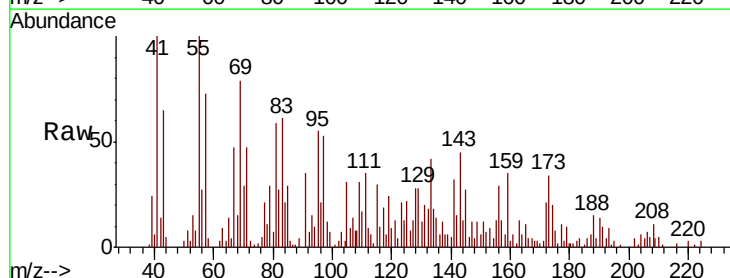
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(12-14)

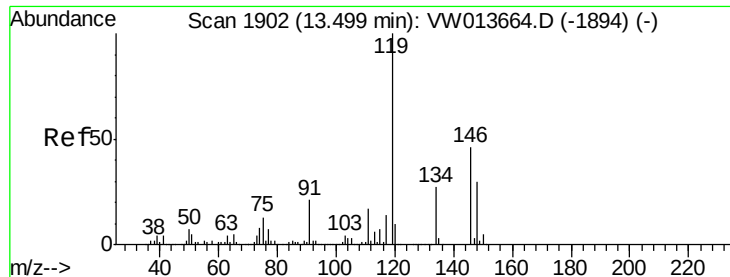
Tot Ion:105 Resp: 1031
 Ion Ratio Lower Upper
 105 100
 120 54.3 23.5 70.5



#85
 sec-Butylbenzene
 Concen: 8.511 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

Tgt Ion:105 Resp: 1438
 Ion Ratio Lower Upper
 105 100
 134 571.6 10.5 31.5#

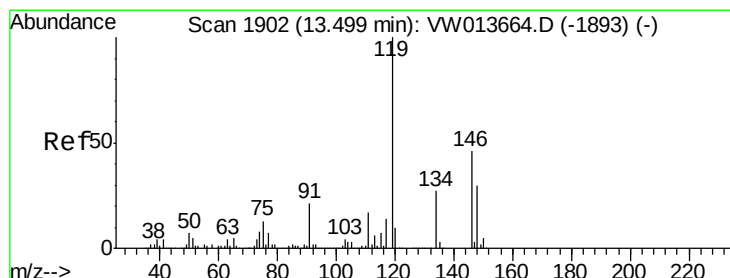
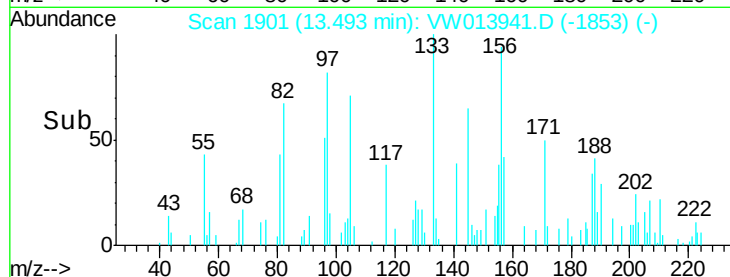
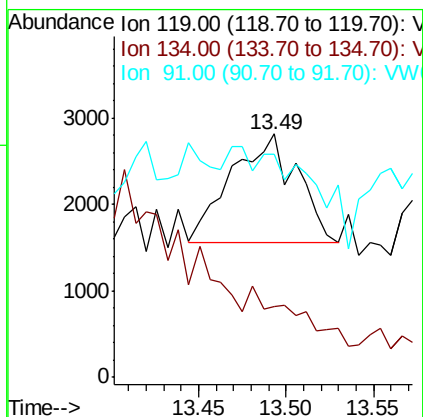
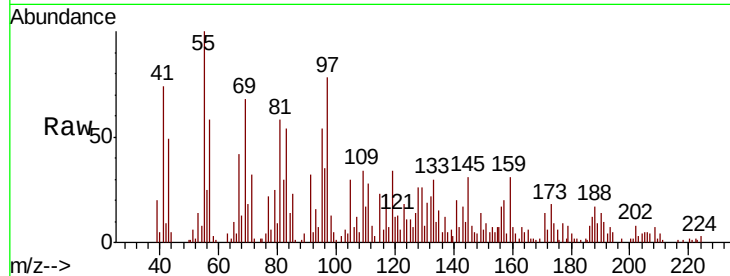




#86
 p-Isopropyltoluene
 Concen: 20.765 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

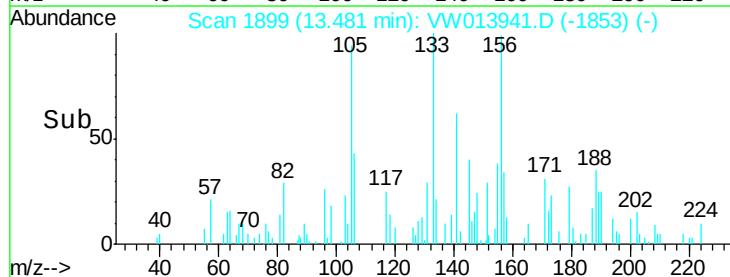
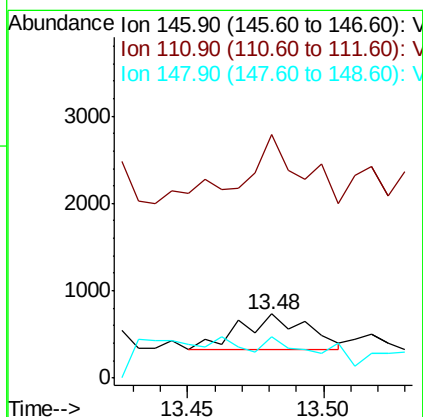
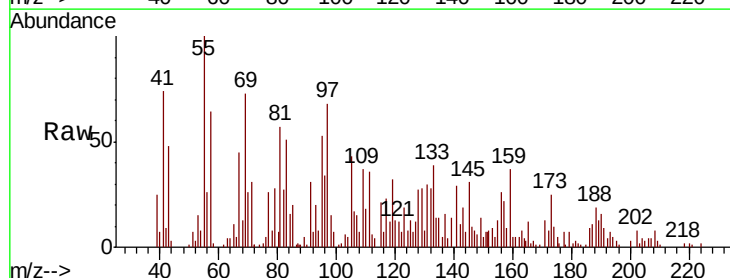
Instrument :
 MSVOA_W
 ClientSampled :
 SB-11-(12-14)

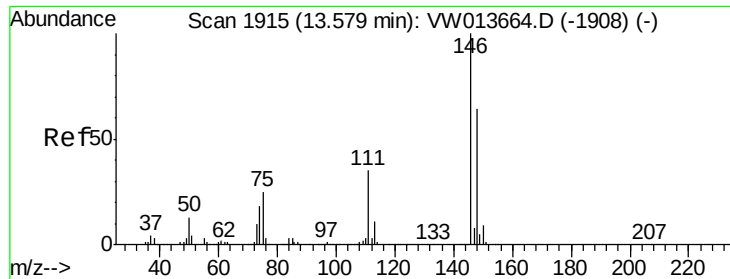
Tot Ion:119 Resp: 3268
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.4 40.1#
 91 0.0 10.8 32.3#



#87
 1,3-Dichlorobenzene
 Concen: 8.950 ug/l
 RT: 13.48 min Scan# 1899
 Delta R.T. -0.02 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

Tgt Ion:146 Resp: 683
 Ion Ratio Lower Upper
 146 100
 111 171.9 18.6 56.0#
 148 0.0 31.7 95.1#





#88

1,4-Dichlorobenzene

Concen: 6.028 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

SB-11-(12-14)

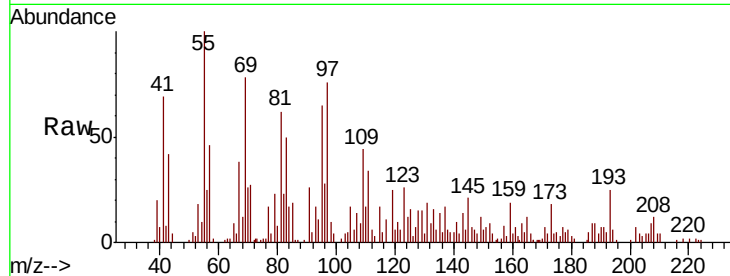
Tot Ion:146 Resp: 457

Ion Ratio Lower Upper

146 100

111 531.5 18.1 54.3#

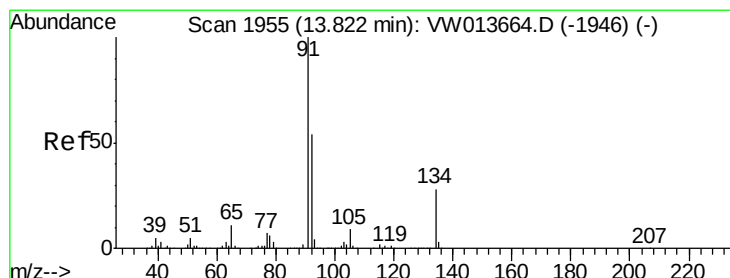
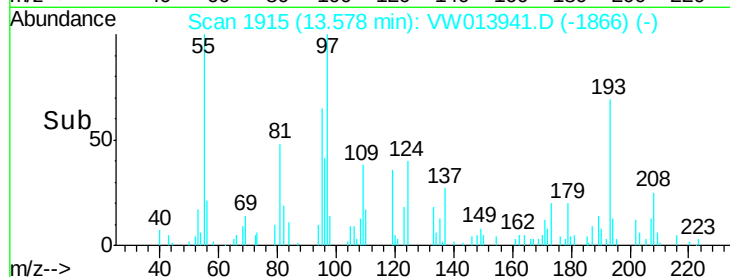
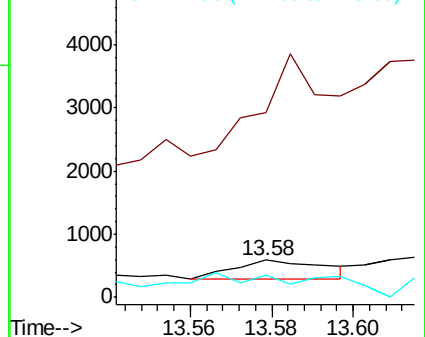
148 49.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 6.110 ug/l

RT: 13.96 min Scan# 1977

Delta R.T. 0.13 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

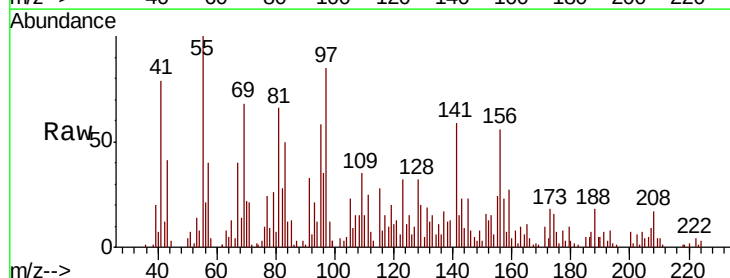
Tgt Ion: 91 Resp: 868

Ion Ratio Lower Upper

91 100

92 62.6 27.5 82.4

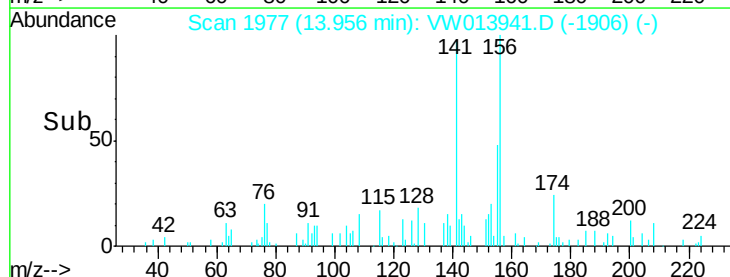
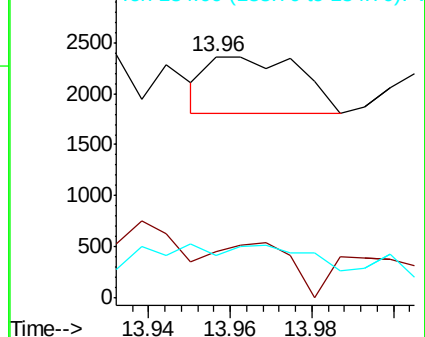
134 31.1 14.0 41.9

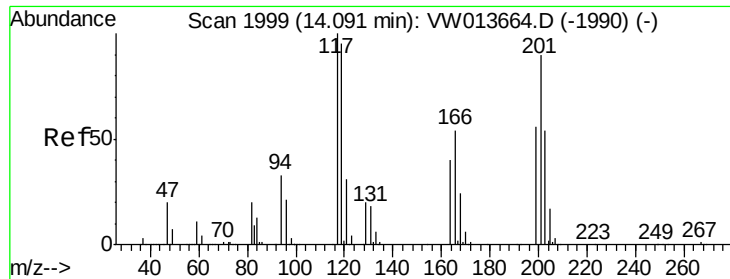


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

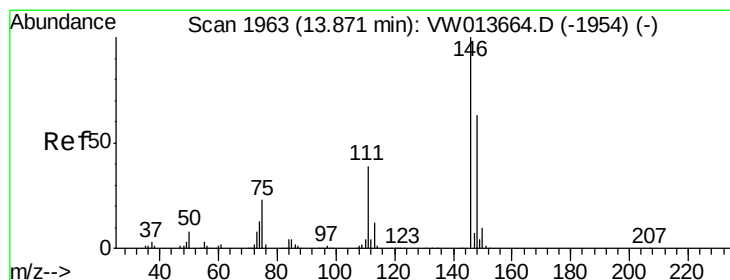
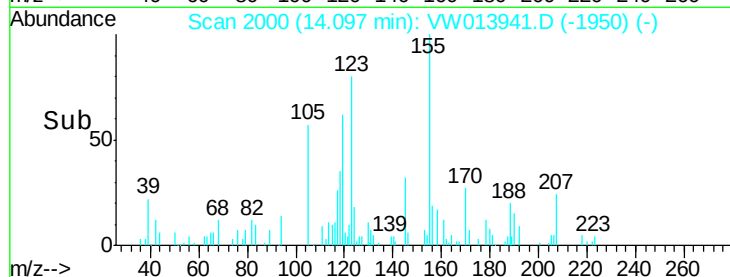
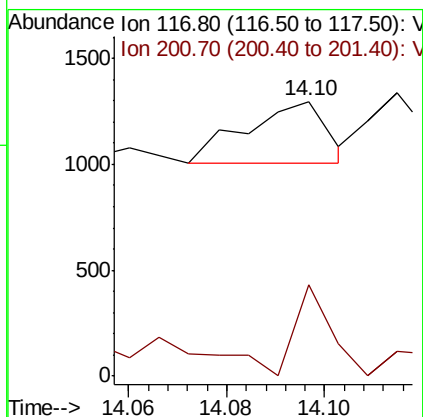
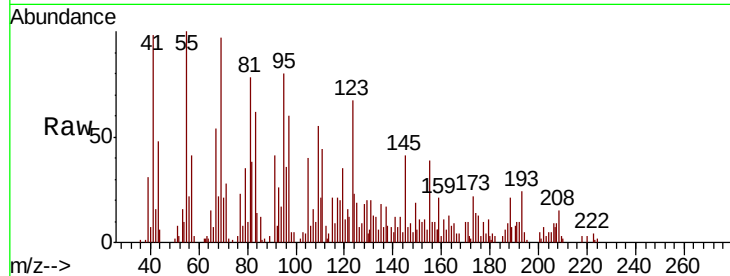




#90
Hexachloroethane
Concen: 11.954 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

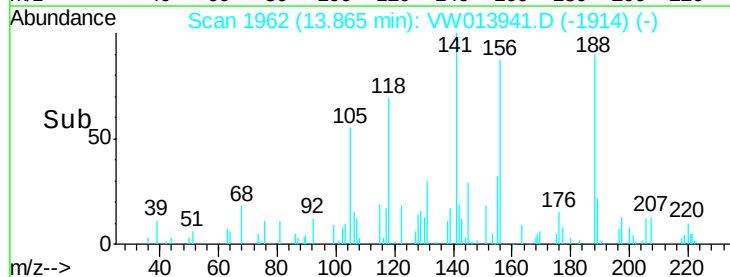
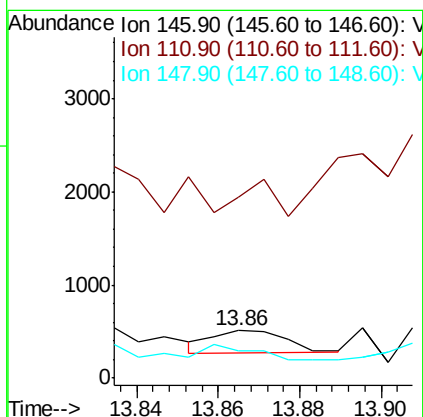
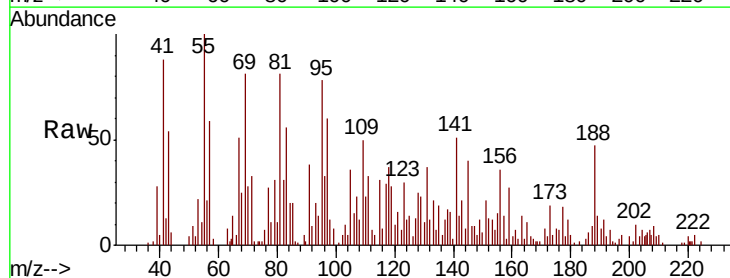
Instrument :
MSVOA_W
ClientSampleId :
SB-11-(12-14)

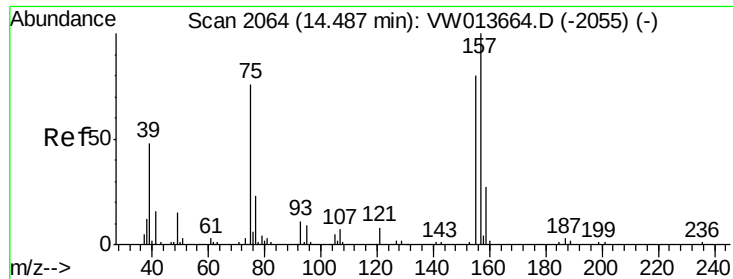
Tot Ion:117 Resp: 327
Ion Ratio Lower Upper
117 100
201 65.4 46.1 138.2



#91
1,2-Dichlorobenzene
Concen: 4.458 ug/l
RT: 13.86 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VW013941.D
Acq: 08 Nov 2019 13:45

Tgt Ion:146 Resp: 295
Ion Ratio Lower Upper
146 100
111 0.0 19.9 59.6#
148 87.1 31.9 95.9

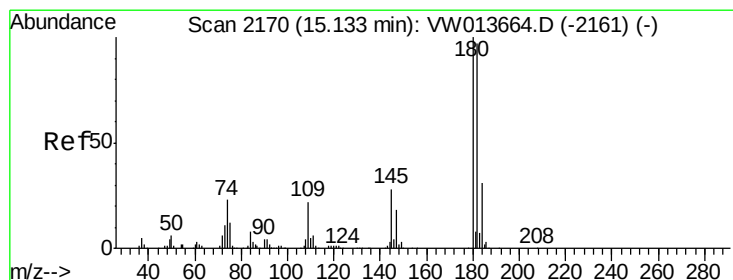
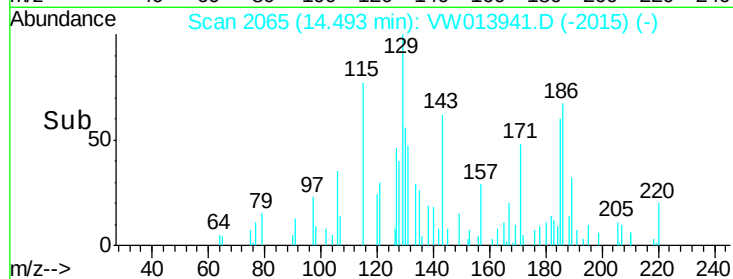
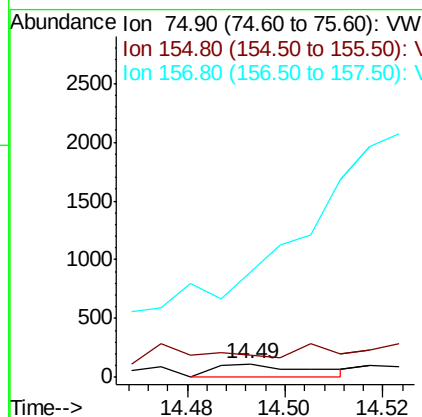
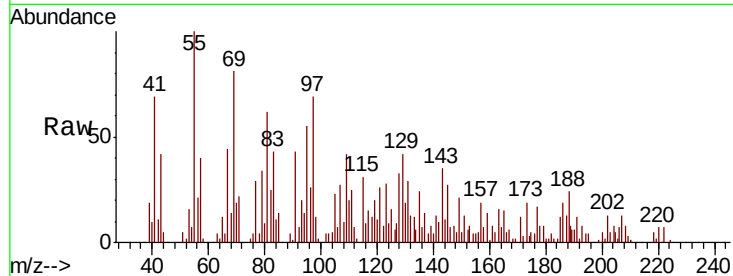




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.649 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

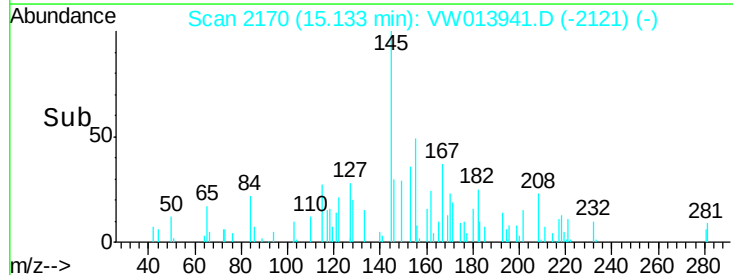
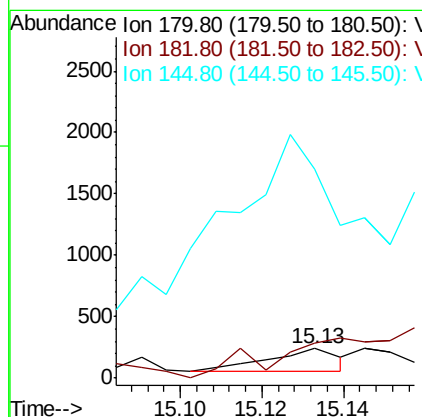
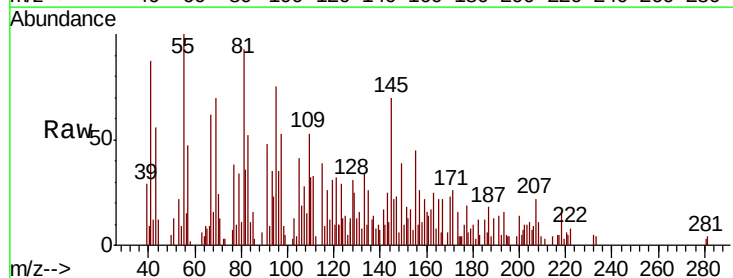
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(12-14)

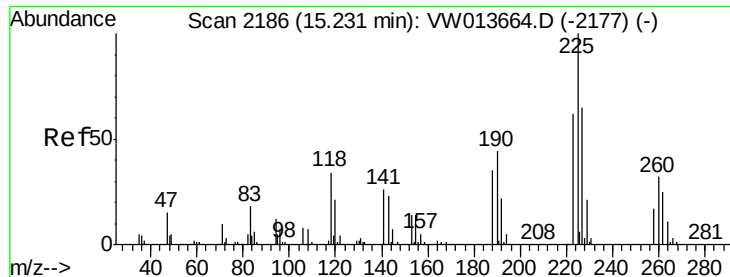
Tot Ion: 75 Resp: 156
 Ion Ratio Lower Upper
 75 100
 155 36.5 51.9 155.7#
 157 0.0 64.8 194.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.485 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

Tgt Ion: 180 Resp: 216
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 1487.0 14.1 42.3#





#94

Hexachlorobutadiene

Concen: 5.691 ug/l

RT: 15.23 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

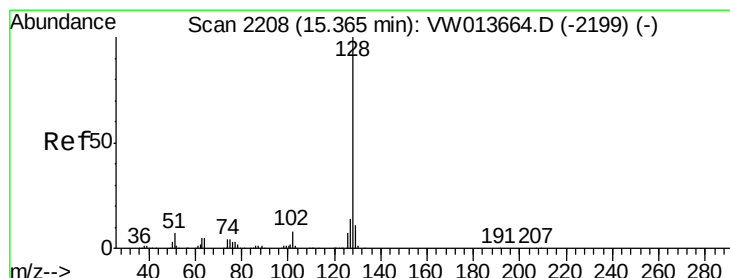
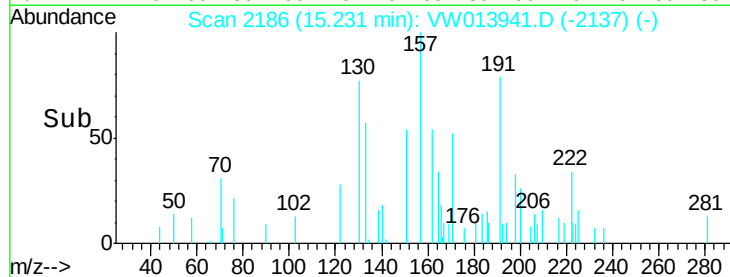
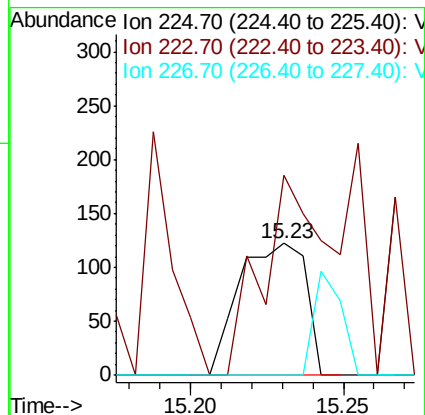
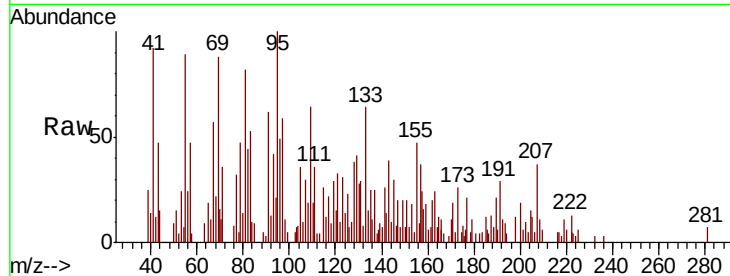
Instrument :

MSVOA_W

ClientSampled :

SB-11-(12-14)

Tot Ion:	225	Resp:	185
Ion	Ratio	Lower	Upper
225	100		
223	148.1	31.9	95.9#
227	32.4	32.5	97.4#



#95

Naphthalene

Concen: 6.728 ug/l

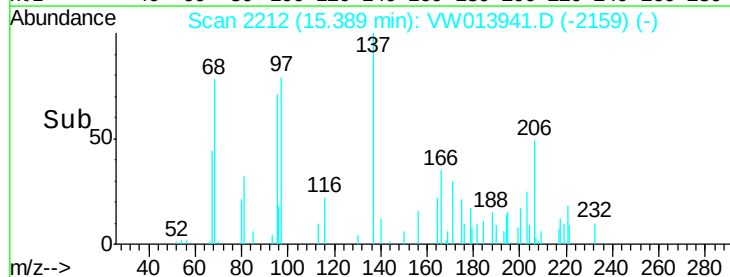
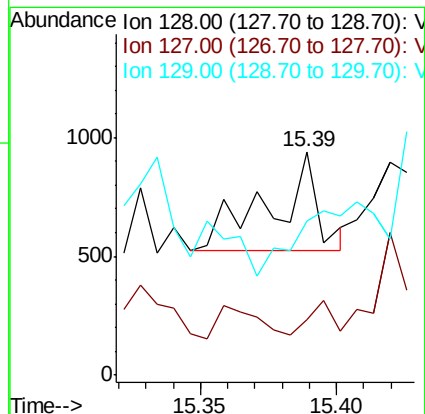
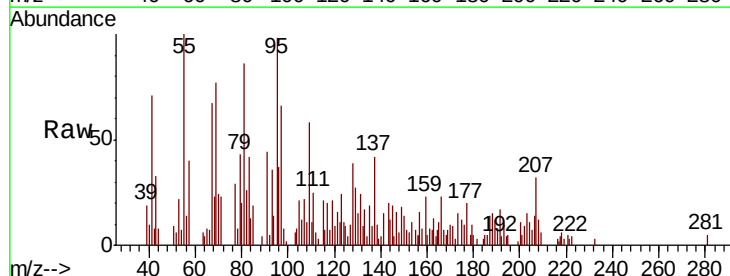
RT: 15.39 min Scan# 2212

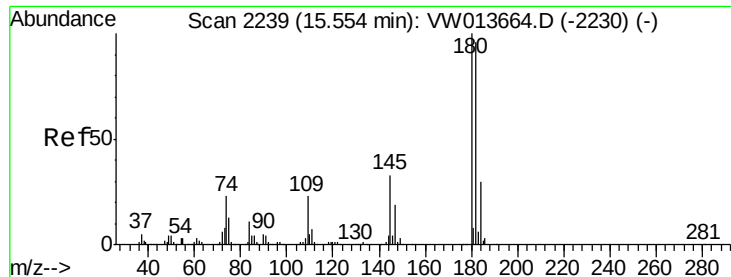
Delta R.T. 0.02 min

Lab File: VW013941.D

Acq: 08 Nov 2019 13:45

Tgt Ion:	128	Resp:	508
Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.6	15.8#
129	0.0	8.7	13.1#

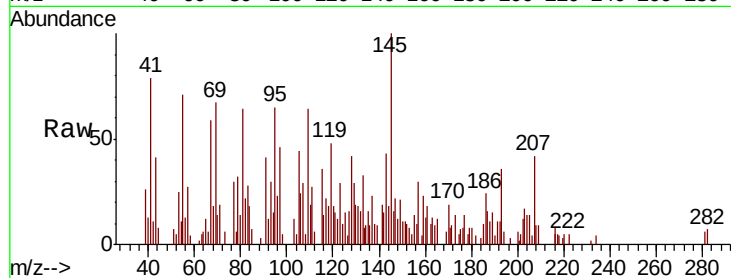




#96
 1,2,3-Trichlorobenzene
 Concen: 5.928 ug/l
 RT: 15.55 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: VW013941.D
 Acq: 08 Nov 2019 13:45

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(12-14)

Tot Ion	Ratio	Lower	Upper
180	100		
182	25.6	47.4	142.3#
145	0.0	14.9	44.9#



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

