

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013024.D
 Acq On : 15 Sep 2019 06:10
 Operator : SY/VA
 Sample : K4850-03
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(7)

Quant Time: Sep 16 06:59:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	2643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	1050	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.46	152	13778	50.00	ug/l	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	1500	61.45	ug/l	0.01
Spiked Amount						
			Recovery	=	122.90%	
35) Dibromofluoromethane	7.89	113	1148	84.63	ug/l	0.01
Spiked Amount						
			Recovery	=	169.26%	
50) Toluene-d8	10.33	98	2118	39.90	ug/l	0.00
Spiked Amount						
			Recovery	=	79.80%	
62) 4-Bromofluorobenzene	12.63	95	843	44.17	ug/l	0.01
Spiked Amount						
			Recovery	=	88.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	94	2.809	ug/l #	41
4) Vinyl Chloride	2.36	62	19	1.004	ug/l #	44
5) Bromomethane	3.04	94	20	1.731	ug/l #	1
6) Chloroethane	2.93	64	28	2.413	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	4.27	101	45	2.243	ug/l #	16
11) Tert butyl alcohol	4.91	59	21	Below Cal	#	1
12) 1,1-Dichloroethene	4.10	96	69	3.782	ug/l #	1
13) Acrolein	3.87	56	42	16.803	ug/l #	15
14) Allyl chloride	4.67	41	61	1.761	ug/l #	23
15) Acrylonitrile	5.34	53	20	3.791	ug/l #	1
16) Acetone	4.12	43	177	15.045	ug/l #	47
17) Carbon Disulfide	4.39	76	48	1.320	ug/l #	76
18) Methyl Acetate	4.66	43	25	1.798	ug/l #	53
19) Methyl tert-butyl Ether	5.42	73	56	1.555	ug/l #	56
25) 2-Butanone	7.10	43	52	6.699	ug/l #	53
26) 2,2-Dichloropropane	7.17	77	24	Below Cal	#	55
27) cis-1,2-Dichloroethene	7.15	96	27	1.154	ug/l #	1
28) Bromochloromethane	7.59	49	23	1.317	ug/l #	14
29) Tetrahydrofuran	7.55	42	32	7.236	ug/l #	37
31) Cyclohexane	7.92	56	31	Below Cal	#	18
36) 1,1-Dichloropropene	7.95	75	122	6.107	ug/l #	43
37) Ethyl Acetate	7.24	43	20	1.886	ug/l #	1
38) Carbon Tetrachloride	7.96	117	264	12.896	ug/l #	11
40) Benzene	8.33	78	563	10.095	ug/l #	51
41) Methacrylonitrile	7.46	41	39	5.585	ug/l #	54
42) 1,2-Dichloroethane	8.31	62	73	3.905	ug/l #	76
43) Isopropyl Acetate	8.37	43	58	2.849	ug/l #	85
44) Trichloroethene	9.20	130	45	2.946	ug/l	1
45) 1,2-Dichloropropane	9.16	63	21	1.417	ug/l #	44
47) Bromodichloromethane	9.76	83	51	2.561	ug/l #	25
48) Methyl methacrylate	9.39	41	20	2.093	ug/l #	15
49) 1,4-Dioxane	9.32	88	44	369.902	ug/l #	20
51) 4-Methyl-2-Pentanone	10.20	43	56	5.328	ug/l #	38
52) Toluene	10.40	92	401	11.315	ug/l	89

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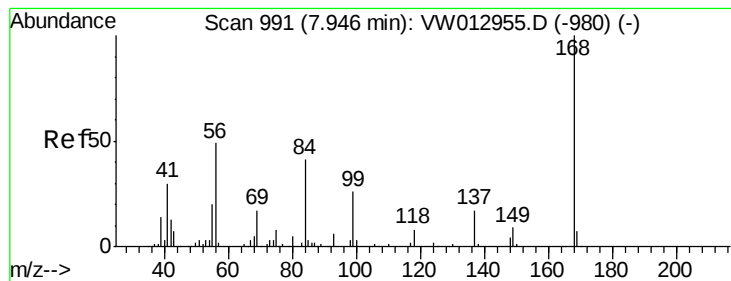
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7-(7)

Quant Time: Sep 16 06:59:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

53) t-1,3-Dichloropropene	10.39	75	27	1.348	ug/l #	44
55) 1,1,2-Trichloroethane	10.66	97	38	3.514	ug/l #	15
56) Ethyl methacrylate	10.59	69	36	2.473	ug/l #	20
57) 1,3-Dichloropropane	10.85	76	20	1.043	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.97	63	22	2.817	ug/l #	47
59) 2-Hexanone	10.92	43	90	12.297	ug/l	76
60) Dibromochloromethane	11.16	129	206	15.756	ug/l	69
61) 1,2-Dibromoethane	11.24	107	23	2.331	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	11.75	131	215	29.997	ug/l #	28
67) Ethyl Benzene	11.73	91	436	12.622	ug/l #	81
68) m/p-Xylenes	11.84	106	160	12.680	ug/l #	1
69) o-Xylene	12.01	106	22	1.860	ug/l	99
71) Bromoform	12.35	173	123	32.671	ug/l #	29
76) 1,2,3-Trichloropropane	12.83	75	1089	9.024	ug/l #	100
77) Bromobenzene	12.87	156	103536	492.119	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.52	75	222	4.173	ug/l #	41
90) Hexachloroethane	14.07	117	239	1.543	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.52	75	281	9.571	ug/l #	1
95) Naphthalene	15.37	128	646	1.480	ug/l #	65

(#) = 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: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

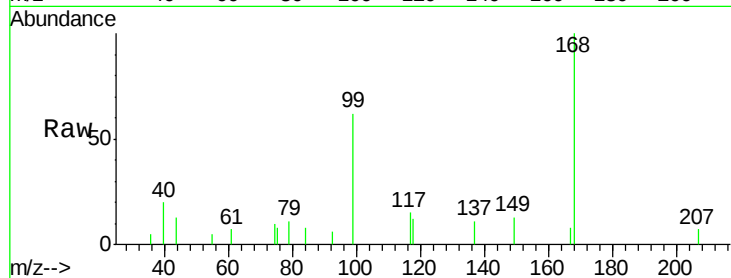
AOC-7(7)

Tot Ion:168 Resp: 2643

Ion Ratio Lower Upper

168 100

99 61.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

1200

1000

800

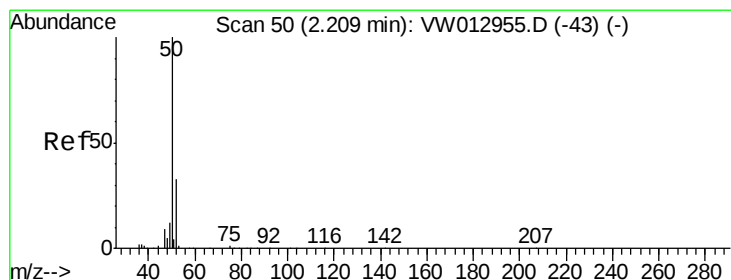
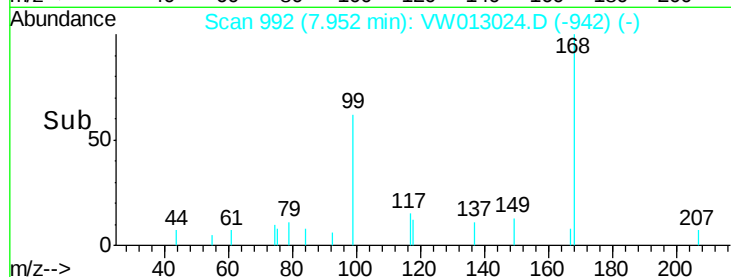
600

400

200

0

Time--> 7.85 7.90 7.95 8.00 8.05



#3

Chloromethane

Concen: 2.809 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013024.D

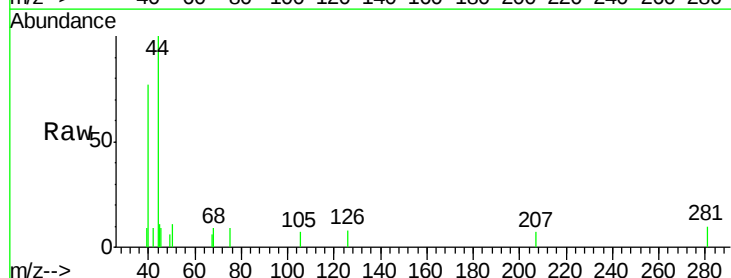
Acq: 15 Sep 2019 06:10

Tgt Ion: 50 Resp: 94

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

100

80

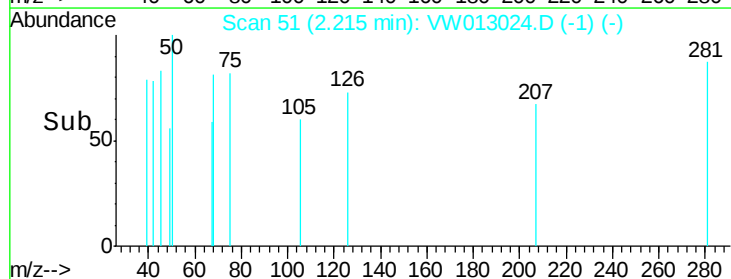
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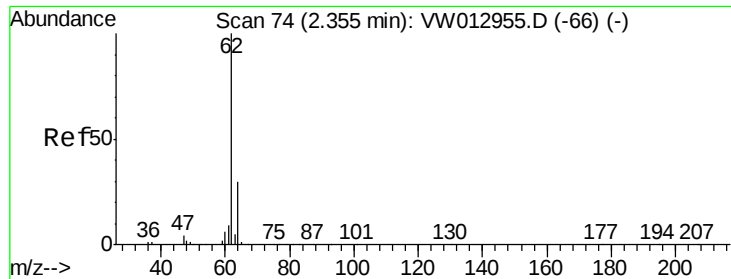
40

20

0

Time--> 2.18 2.20 2.22 2.24





#4

Vinyl Chloride

Concen: 1.004 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampled :

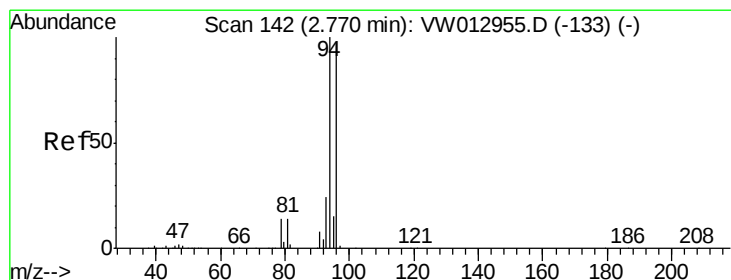
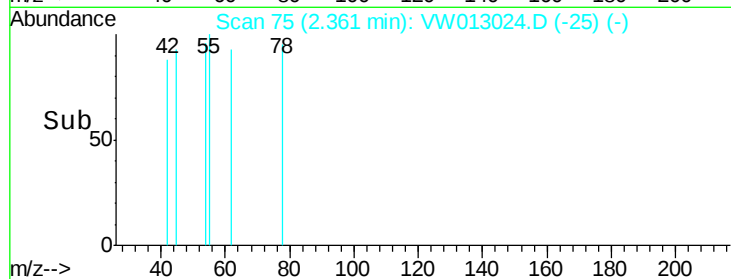
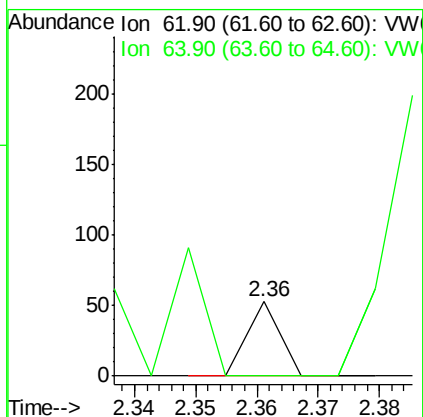
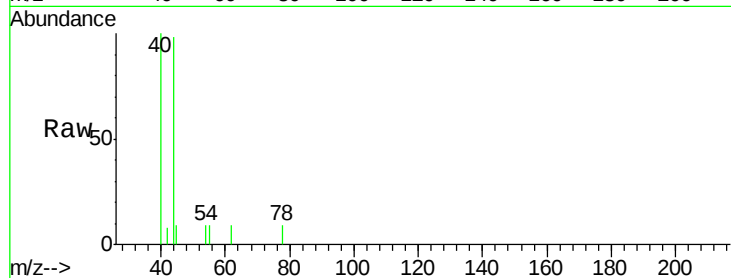
AOC-7(7)

Tot Ion: 62 Resp: 19

Ion Ratio Lower Upper

62 100

64 0.0 24.2 36.4#



#5

Bromomethane

Concen: 1.731 ug/l

RT: 3.04 min Scan# 187

Delta R.T. 0.27 min

Lab File: VW013024.D

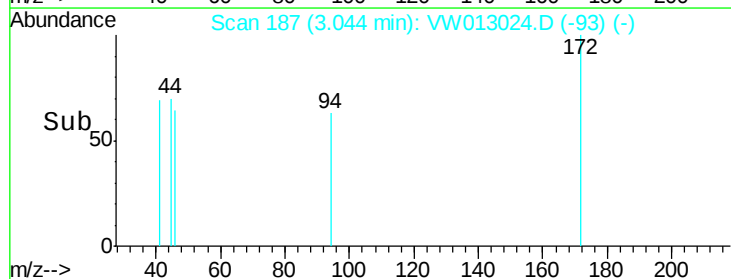
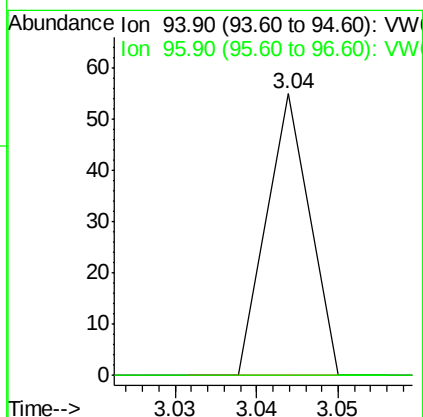
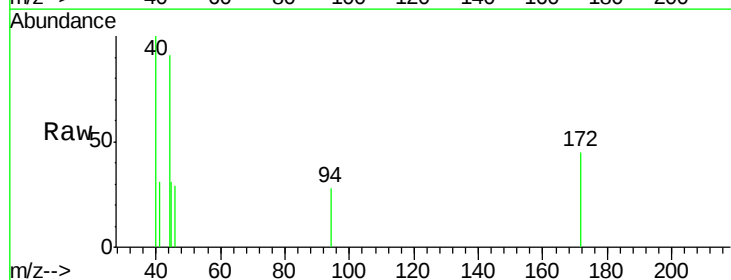
Acq: 15 Sep 2019 06:10

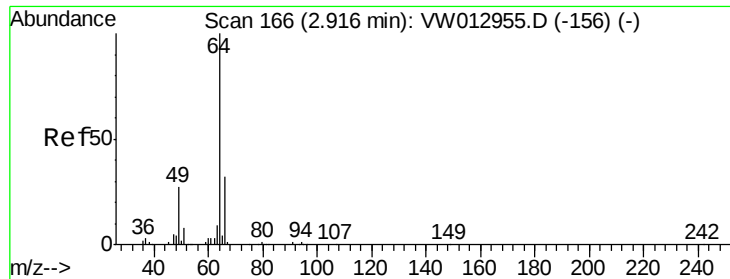
Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

94 100

96 0.0 77.8 116.6#





#6

Chloroethane

Concen: 2.413 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.02 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

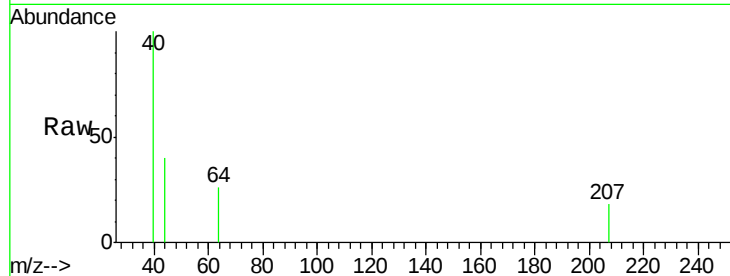
AOC-7(7)

Tot Ion: 64 Resp: 28

Ion Ratio Lower Upper

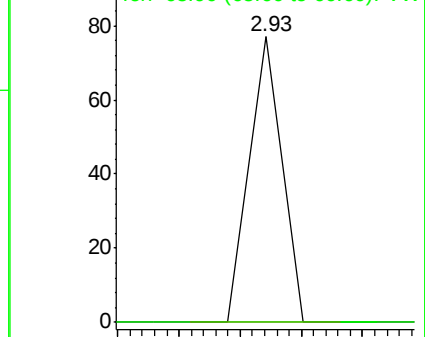
64 100

66 0.0 25.9 38.9#

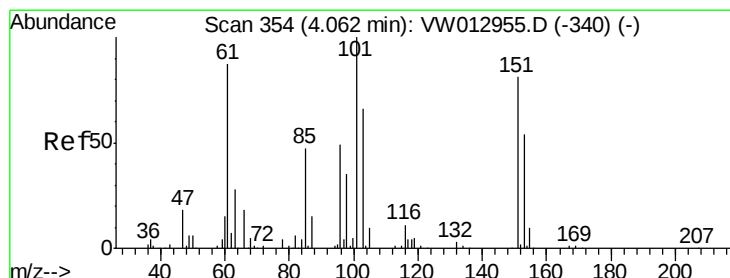
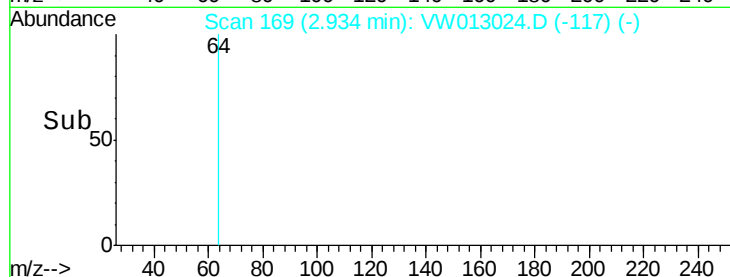


Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



Time--> 2.91 2.92 2.93 2.94 2.95



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.243 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.21 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

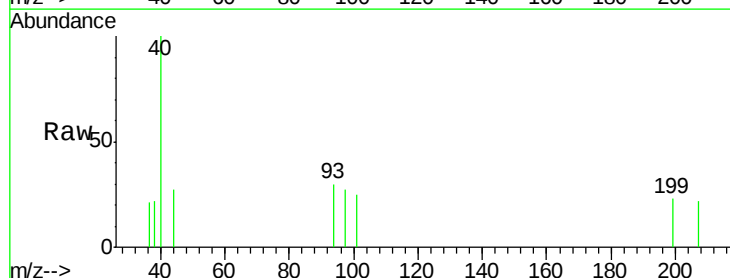
Tgt Ion: 101 Resp: 45

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

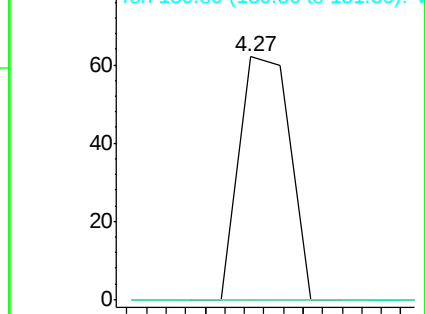
151 0.0 66.0 99.0#



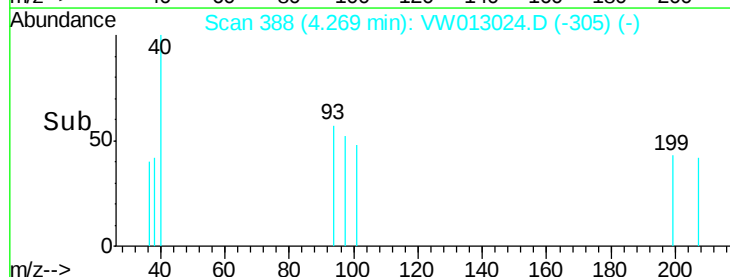
Abundance Ion 100.90 (100.60 to 101.60): V

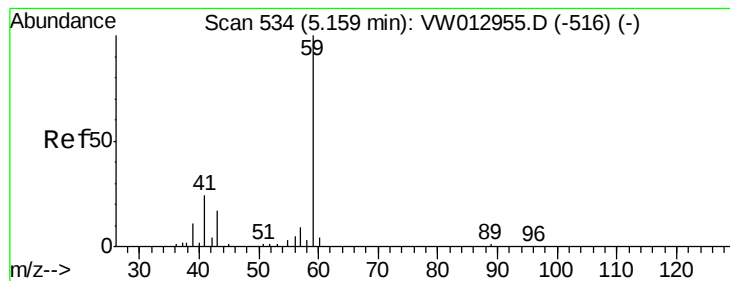
Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



Time--> 4.26 4.28



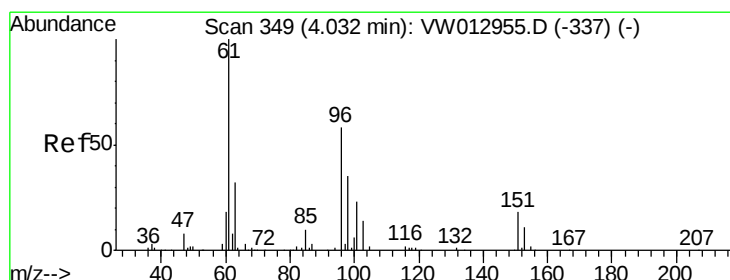
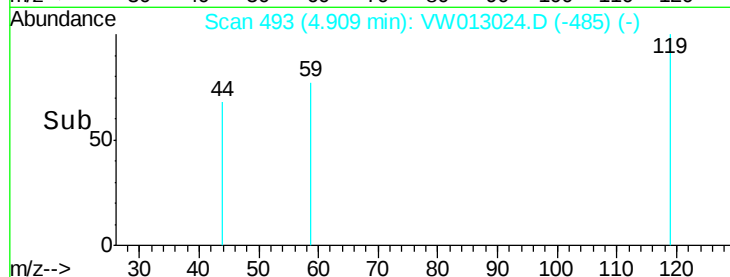
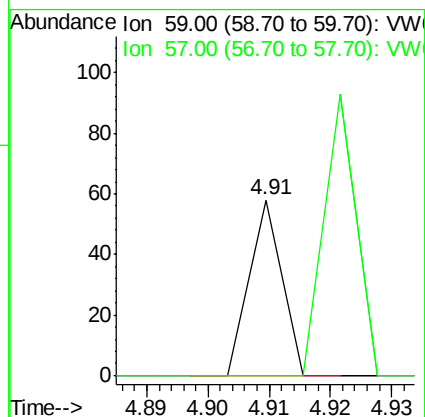
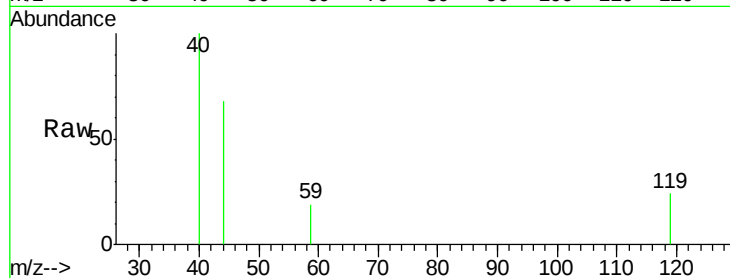


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.91 min Scan# 493
 Delta R.T. -0.25 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

Instrument :
 MSVOA_W
 ClientSampled :
 AOC-7(7)

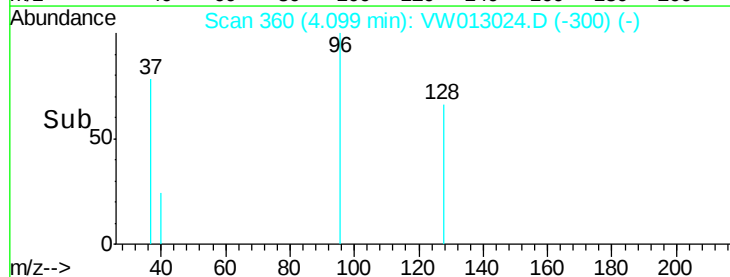
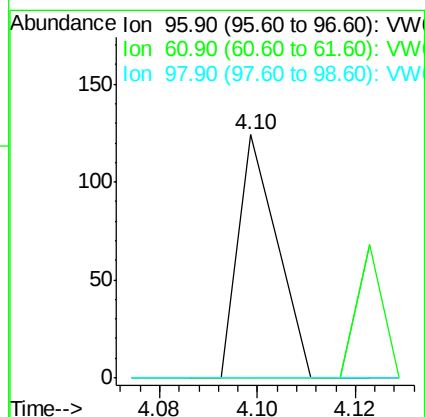
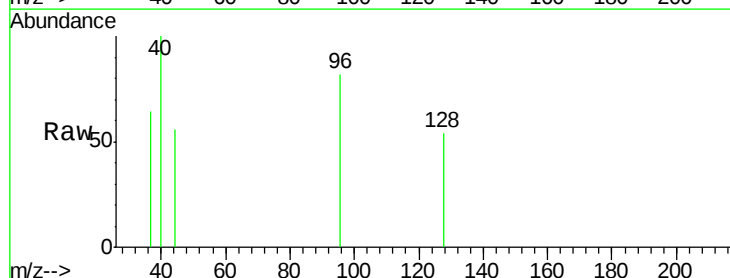
Tot Ion: 59 Resp: 21
 Ion Ratio Lower Upper
 59 100
 57 161.9 8.5 12.7#

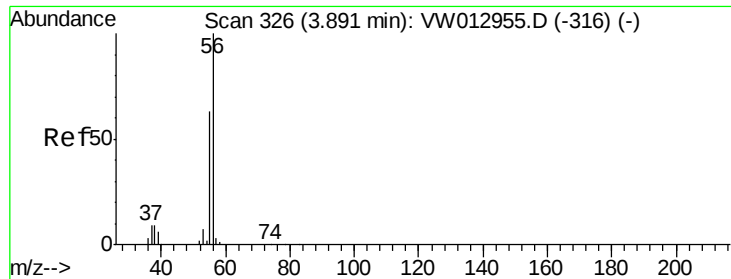


#12

1,1-Dichloroethene
 Concen: 3.782 ug/l
 RT: 4.10 min Scan# 360
 Delta R.T. 0.07 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

Tgt Ion: 96 Resp: 69
 Ion Ratio Lower Upper
 96 100
 61 0.0 137.9 206.9#
 98 0.0 48.9 73.3#





#13

Acrolein

Concen: 16.803 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

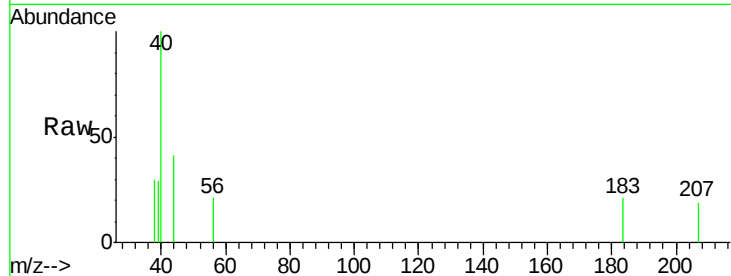
AOC-7(7)

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.87

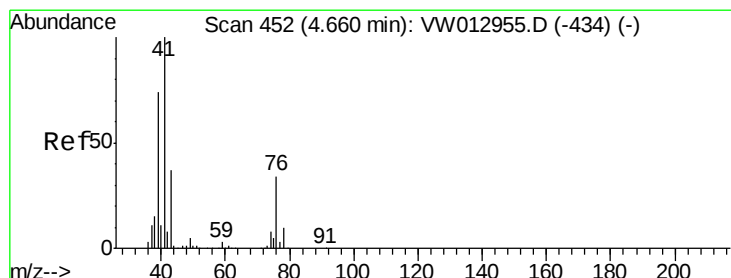
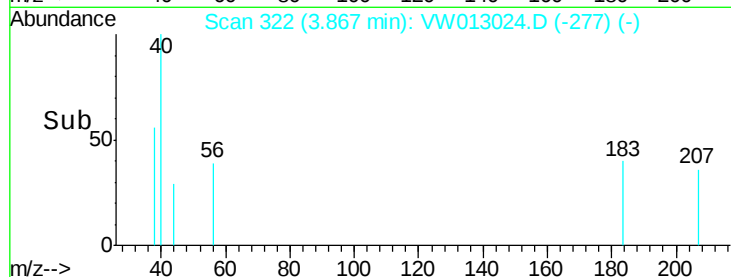
60

40

20

0

Time--> 3.84 3.86 3.88



#14

Allyl chloride

Concen: 1.761 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

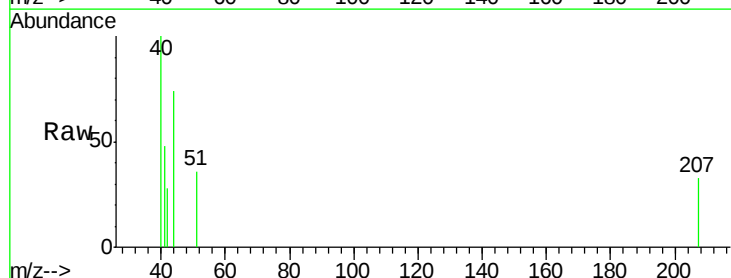
Tgt Ion: 41 Resp: 61

Ion Ratio Lower Upper

41 100

39 0.0 56.7 85.1#

76 0.0 25.1 37.7#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

120

100

80

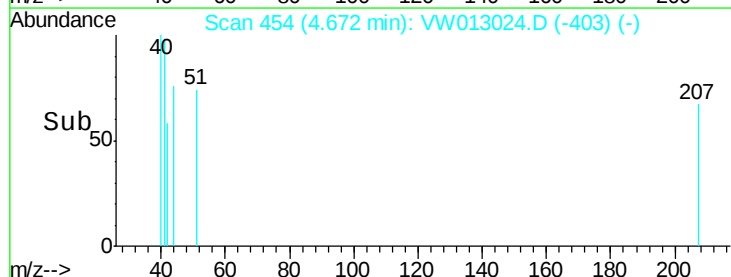
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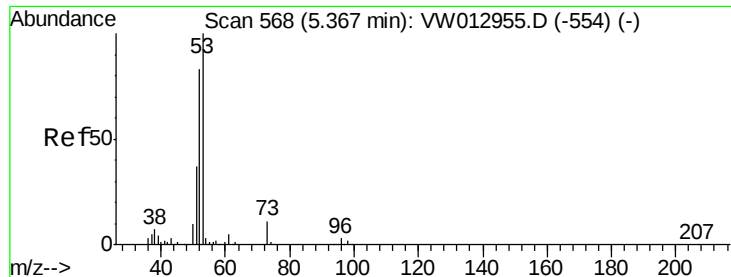
40

20

0

Time--> 4.64 4.66 4.68





#15

Acrylonitrile

Concen: 3.791 ug/l

RT: 5.34 min Scan# 563

Delta R.T. -0.03 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(7)

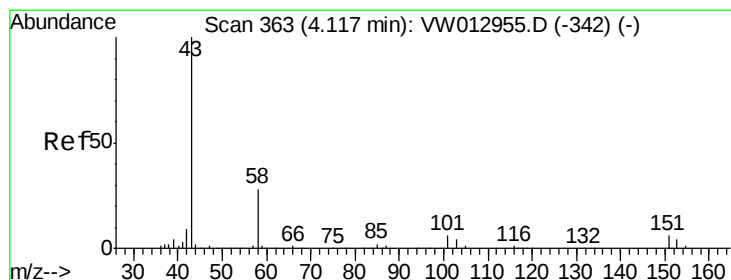
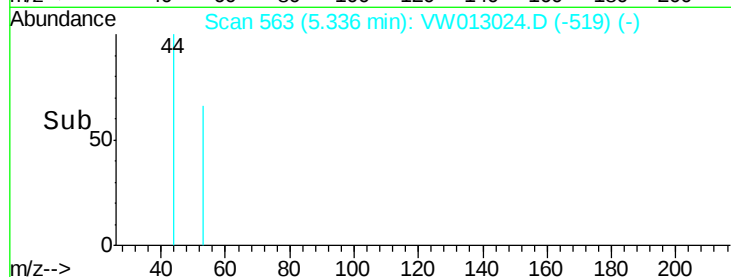
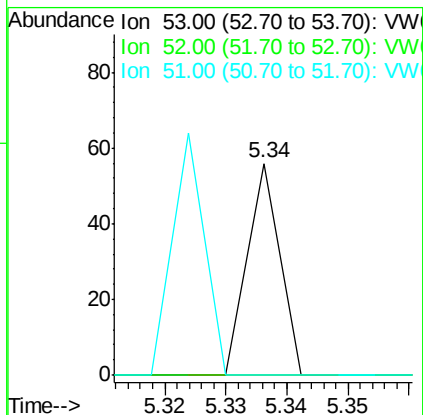
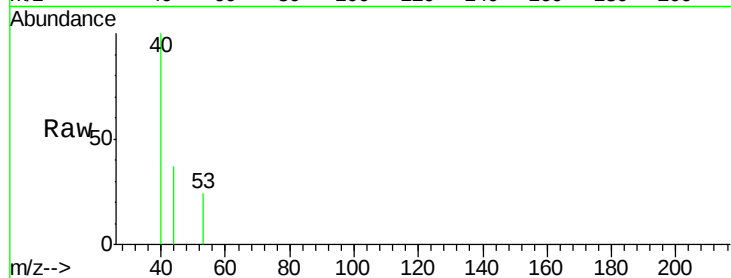
Tot Ion: 53 Resp: 20

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 115.0 29.8 44.8#



#16

Acetone

Concen: 15.045 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013024.D

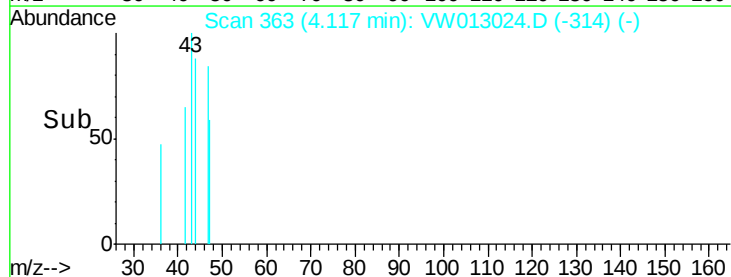
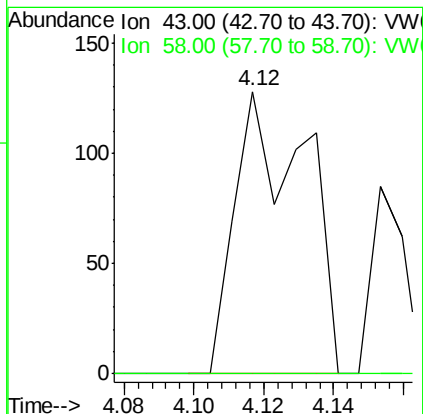
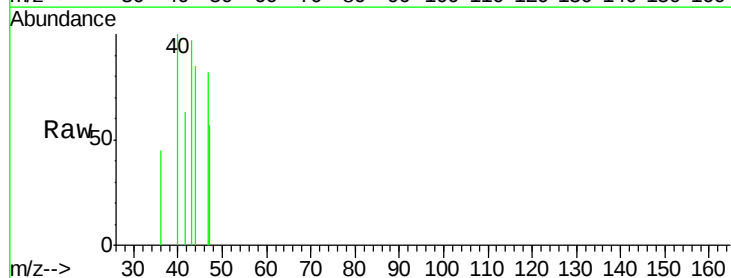
Acq: 15 Sep 2019 06:10

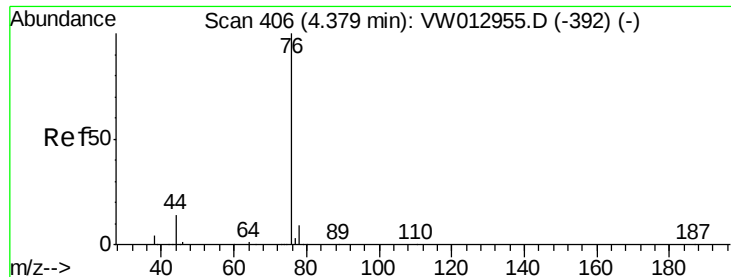
Tgt Ion: 43 Resp: 177

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#

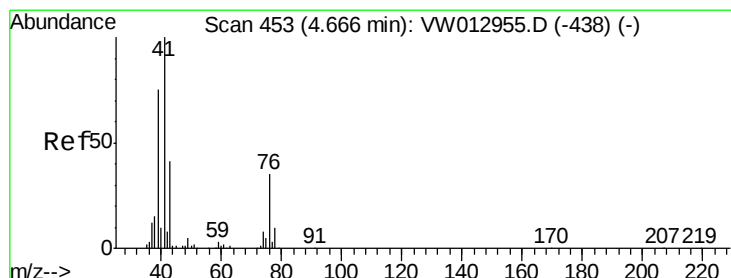
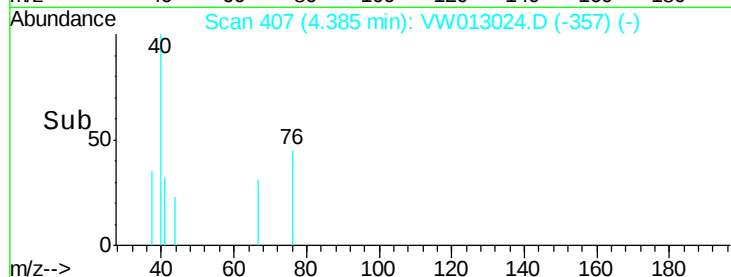
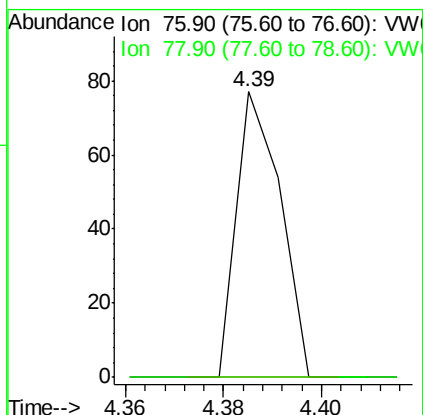
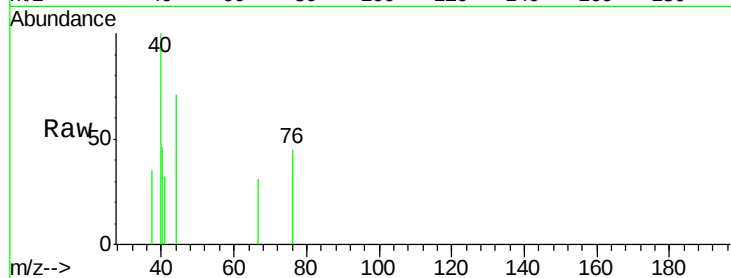




#17
Carbon Disulfide
Concen: 1.320 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

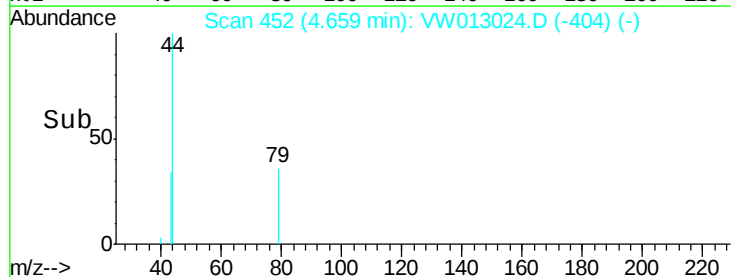
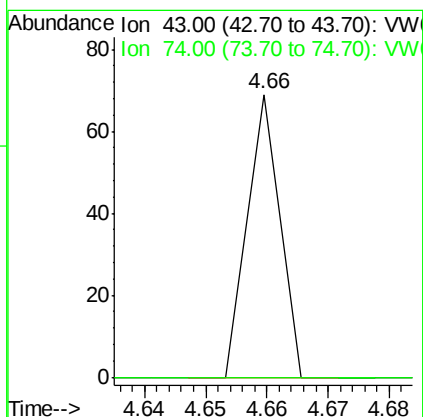
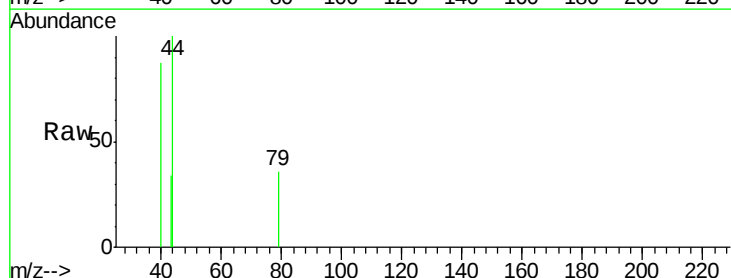
Instrument :
MSVOA_W
ClientSampleId :
AOC-7(7)

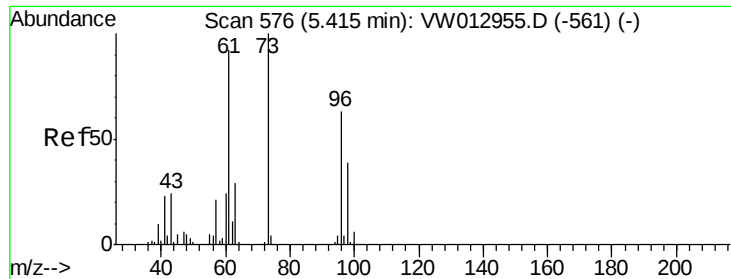
Tot Ion: 76 Resp: 48
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 1.798 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#

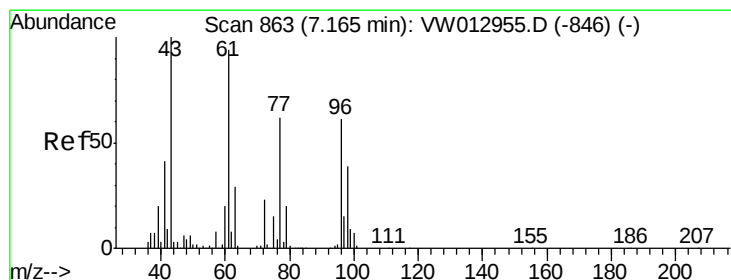
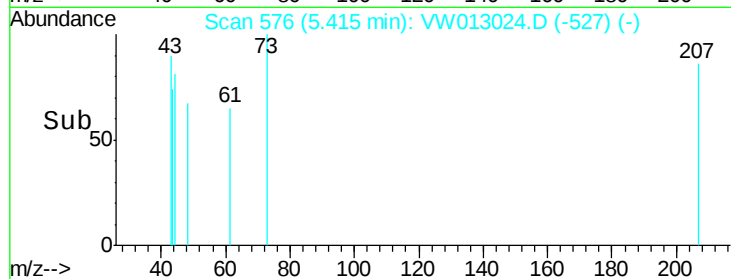
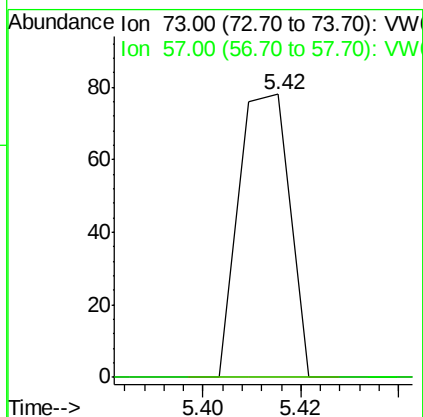
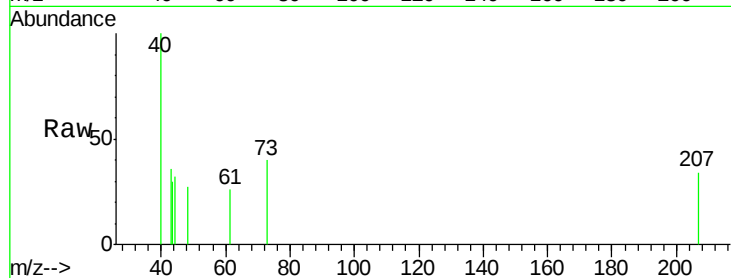




#19
Methvl tert-butvl Ether
Concen: 1.555 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

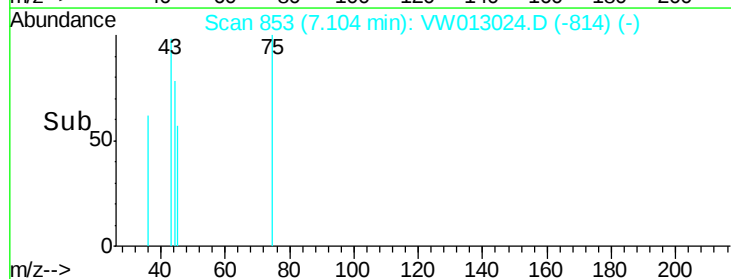
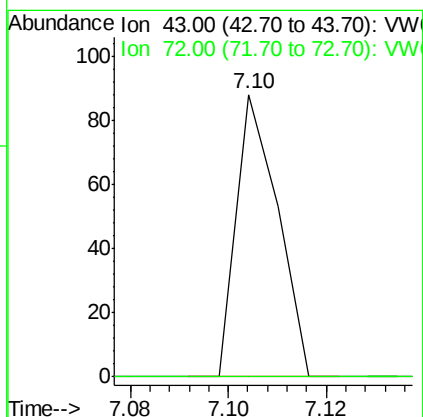
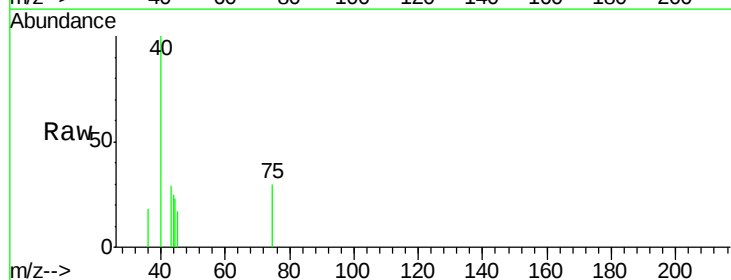
Instrument :
MSVOA_W
ClientSampleId :
AOC-7(7)

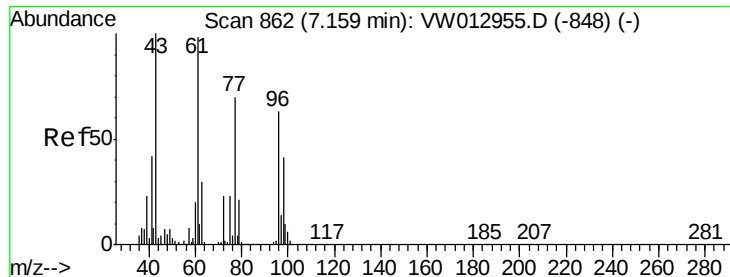
Tot Ion: 73 Resp: 56
Ion Ratio Lower Upper
73 100
57 0.0 16.4 24.6#



#25
2-Butanone
Concen: 6.699 ug/l
RT: 7.10 min Scan# 853
Delta R.T. -0.06 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion: 43 Resp: 52
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

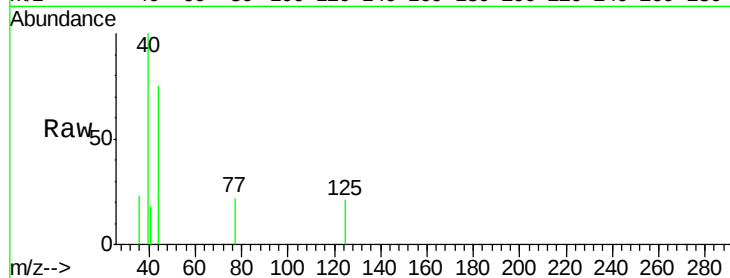
AOC-7(7)

Tot Ion: 77 Resp: 24

Ion Ratio Lower Upper

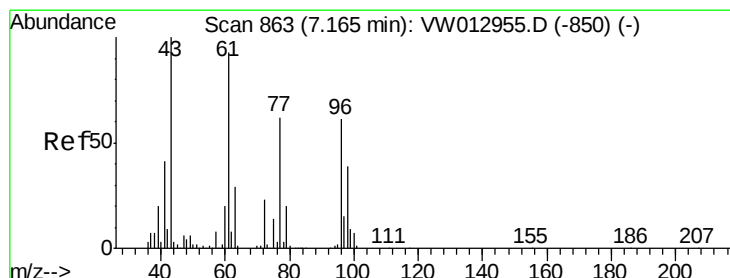
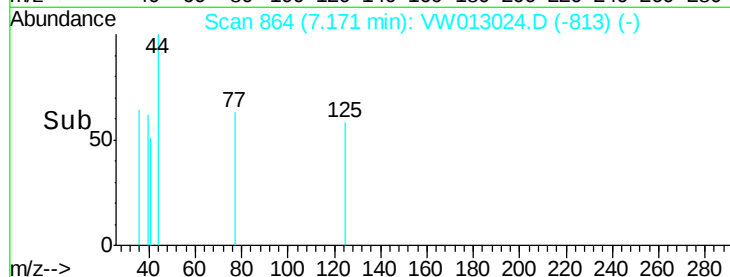
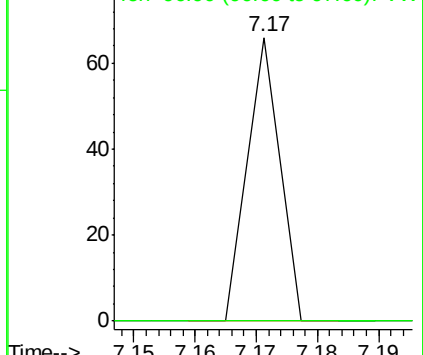
77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#27

cis-1,2-Dichloroethene

Concen: 1.154 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

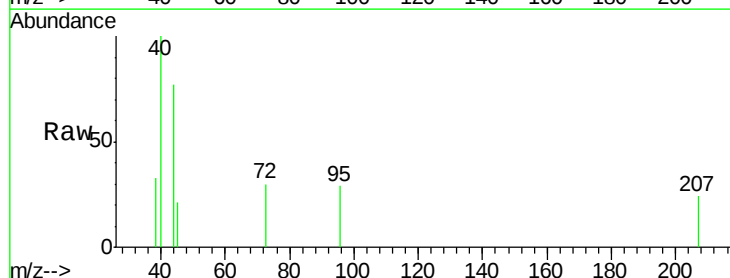
Tgt Ion: 96 Resp: 27

Ion Ratio Lower Upper

96 100

61 0.0 0.0 315.4

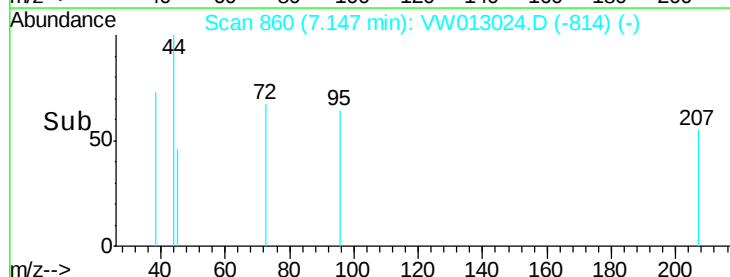
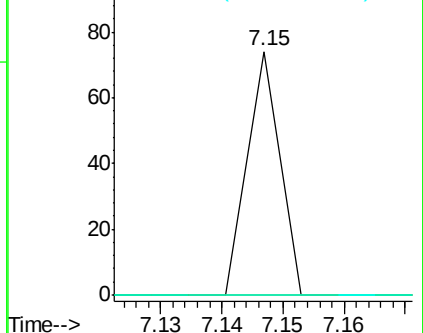
98 0.0 0.0 131.0

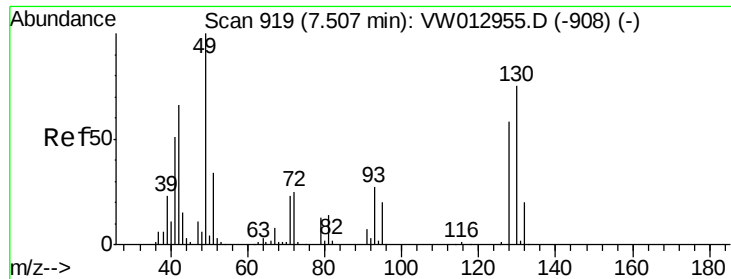


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#28

Bromochloromethane

Concen: 1.317 ug/l

RT: 7.59 min Scan# 932

Delta R.T. 0.08 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(7)

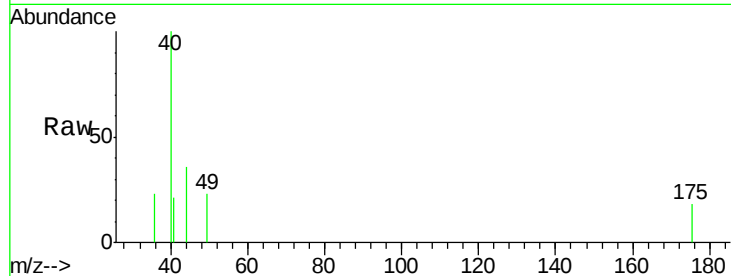
Tot Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.4

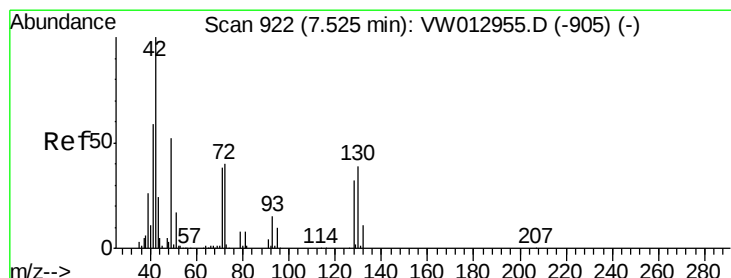
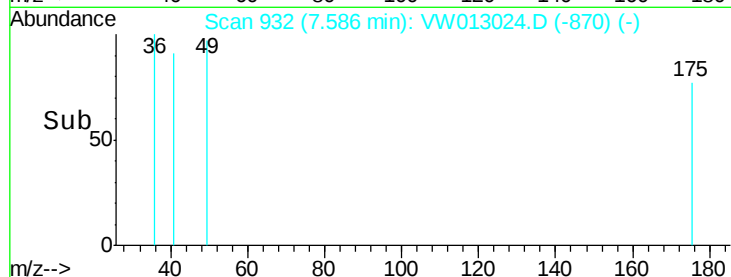
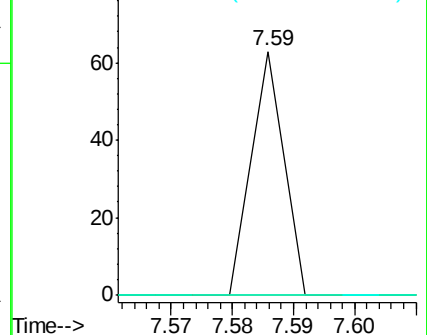
130 0.0 57.8 86.6#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW



#29

Tetrahydrofuran

Concen: 7.236 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

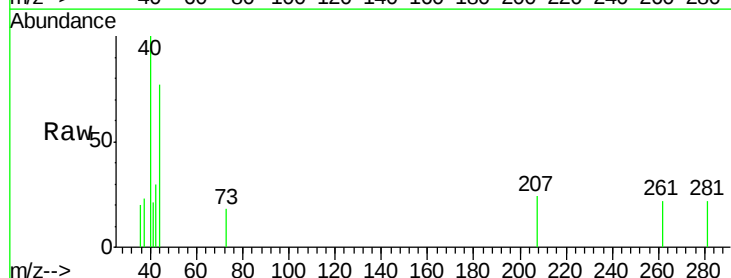
Tgt Ion: 42 Resp: 32

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

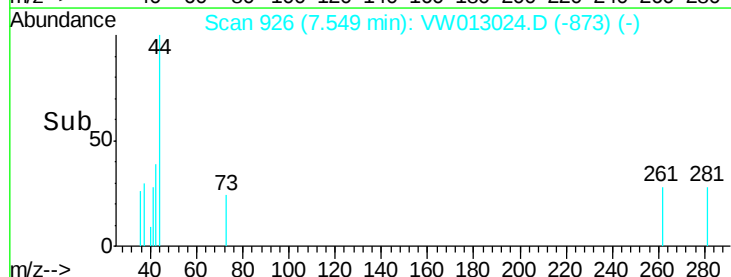
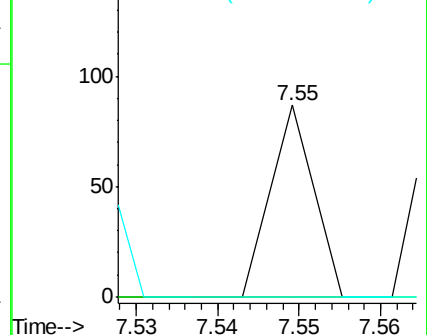
71 0.0 29.8 44.8#

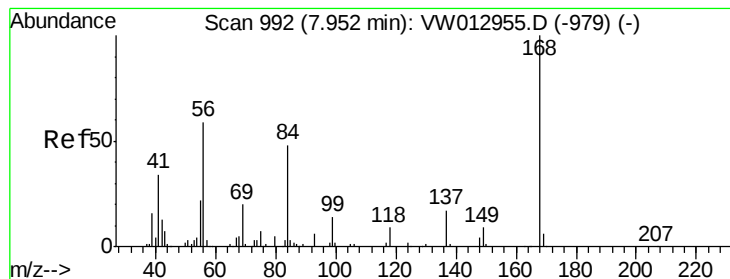


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.92 min Scan# 987

Delta R.T. -0.03 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(7)

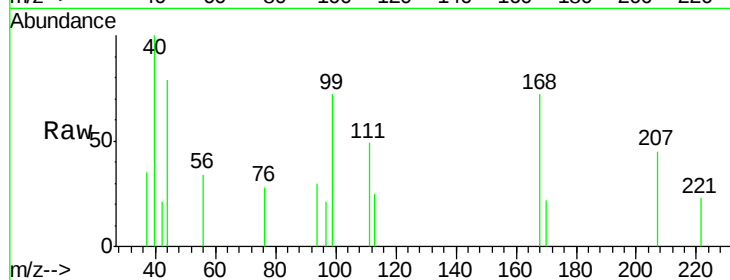
Tot Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

69 0.0 27.0 40.6#

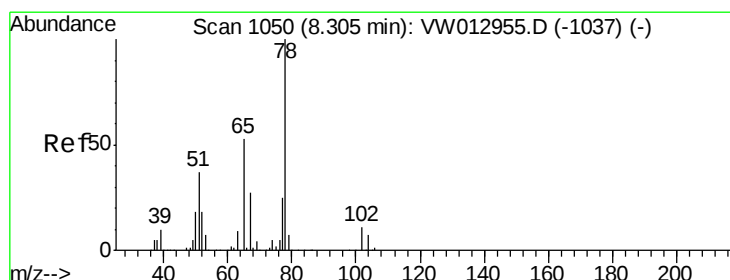
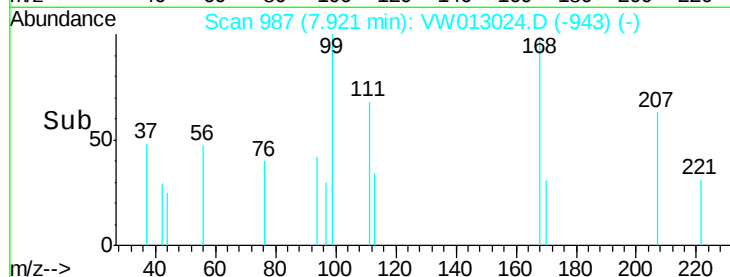
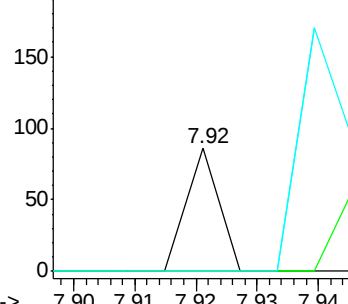
84 0.0 66.2 99.2#



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



#33

1,2-Dichloroethane-d4

Concen: 61.450 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW013024.D

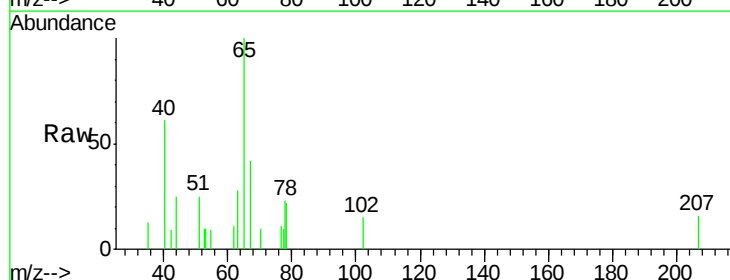
Acq: 15 Sep 2019 06:10

Tgt Ion: 65 Resp: 1500

Ion Ratio Lower Upper

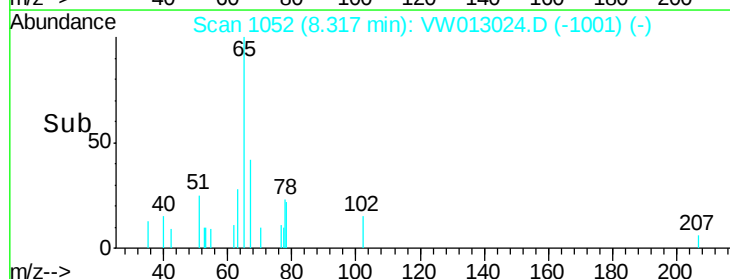
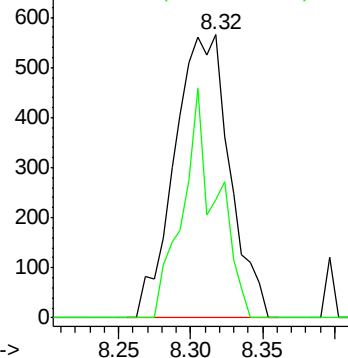
65 100

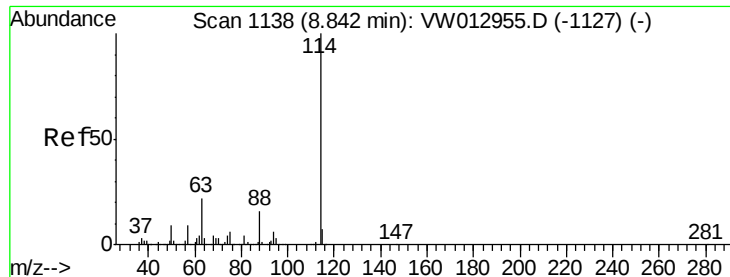
67 50.1 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

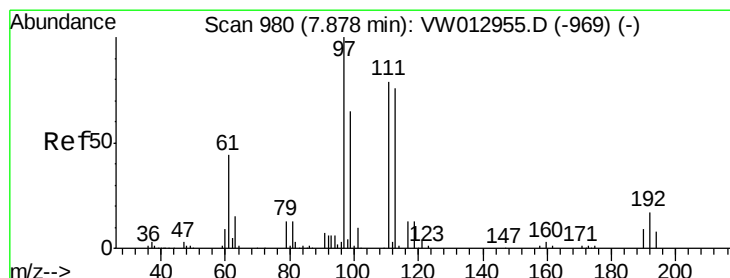
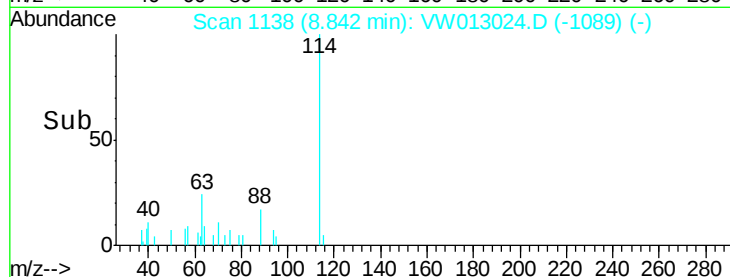
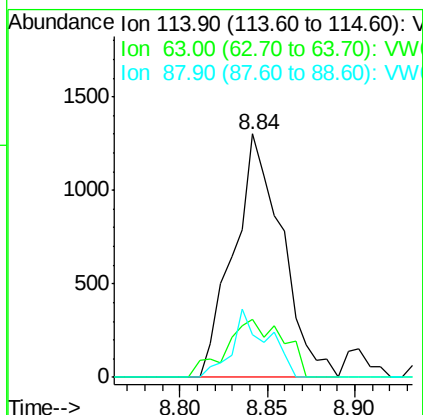
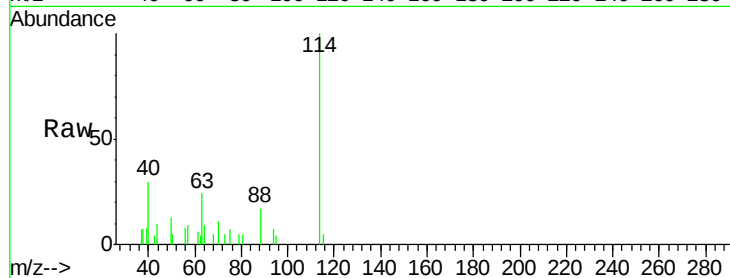




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

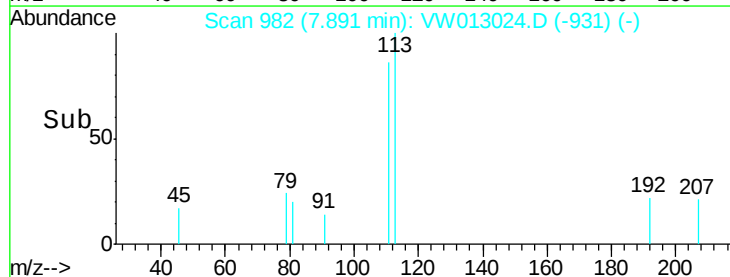
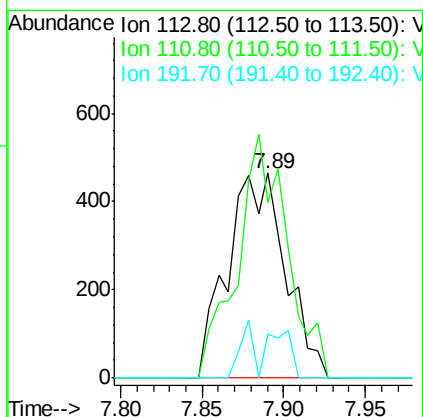
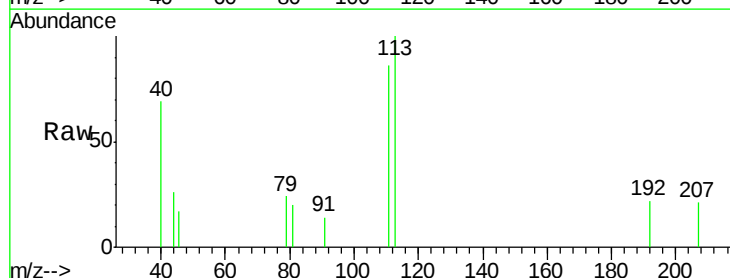
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(7)

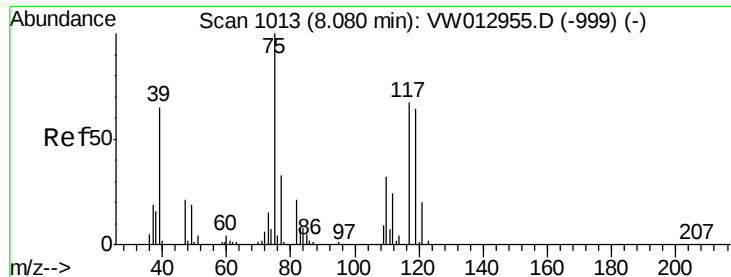
Tot Ion:114 Resp: 2500
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 43.4
 88 17.4 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 84.628 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

Tgt Ion:113 Resp: 1148
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.8 124.2
 192 6.1 17.8 26.8#

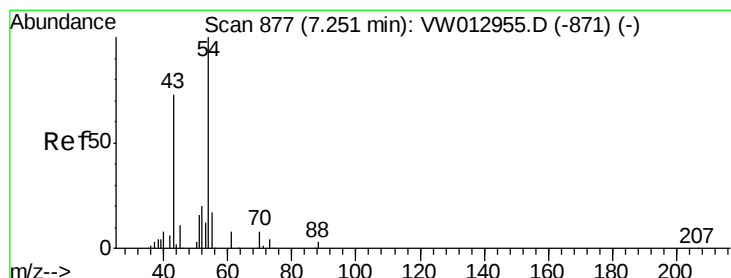
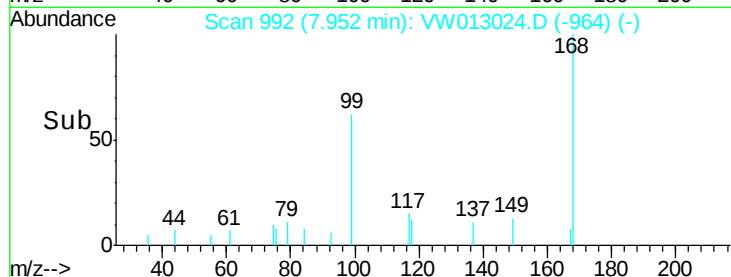
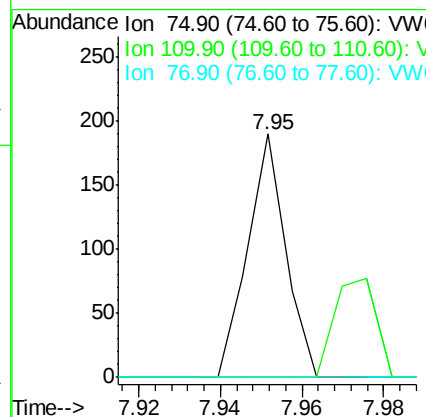
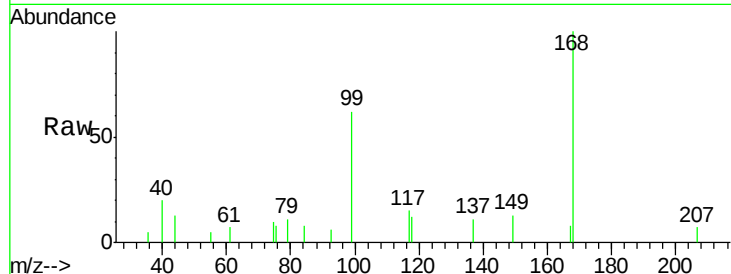




#36
 1,1-Dichloropropene
 Concen: 6.107 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

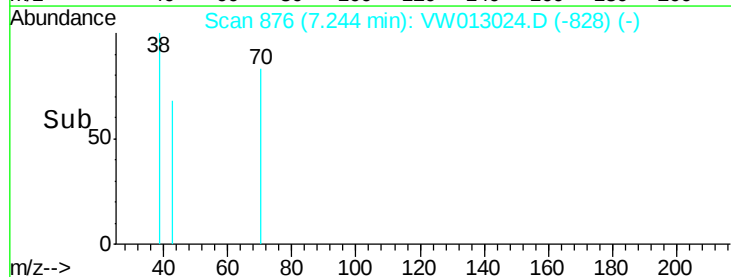
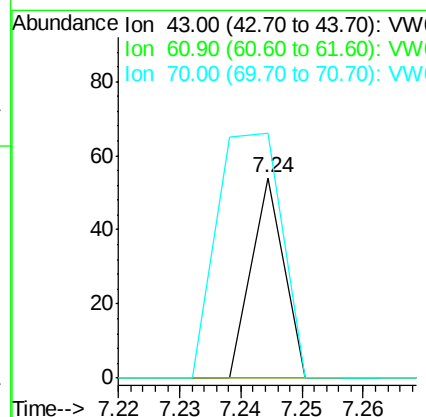
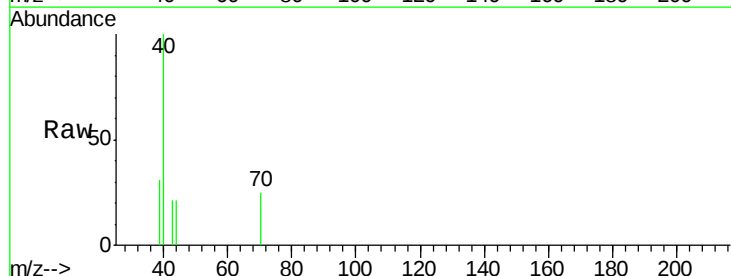
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(7)

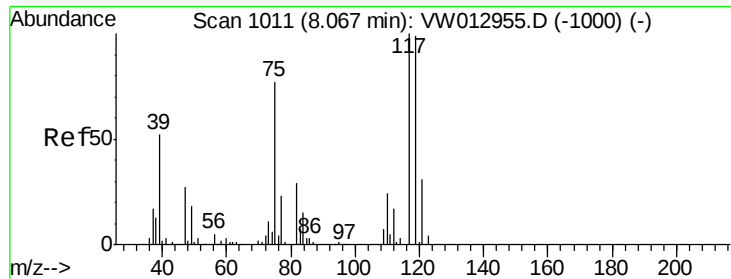
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.4	49.1#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 1.886 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.6	14.4#
70	240.0	7.6	11.4#

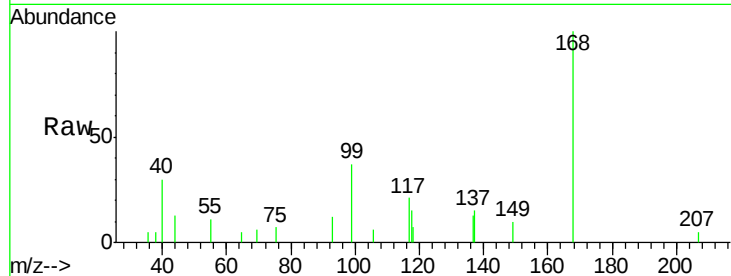




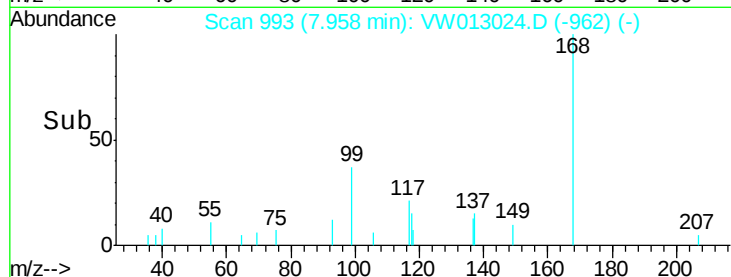
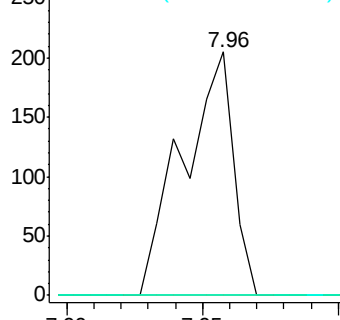
#38
Carbon Tetrachloride
Concen: 12.896 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.11 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Instrument :
MSVOA_W
ClientSampled :
AOC-7(7)

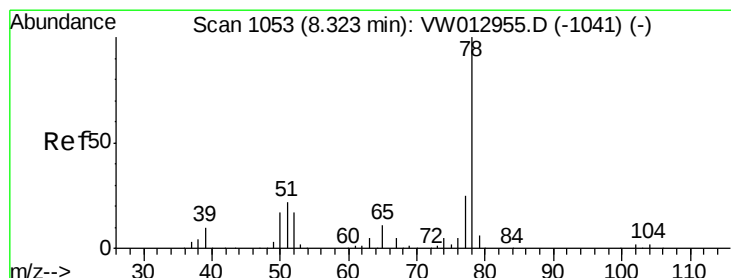
Tot Ion:117 Resp: 264
Ion Ratio Lower Upper
117 100
119 0.0 79.4 119.0#
121 0.0 24.6 36.8#



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

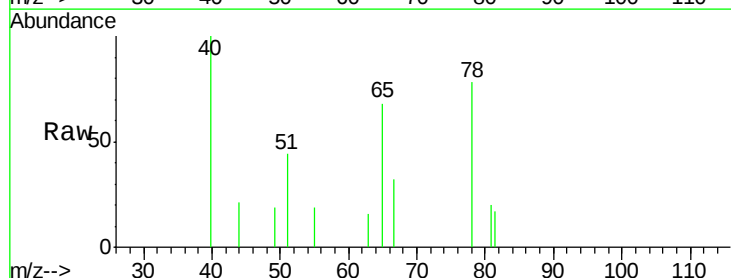


Time-->

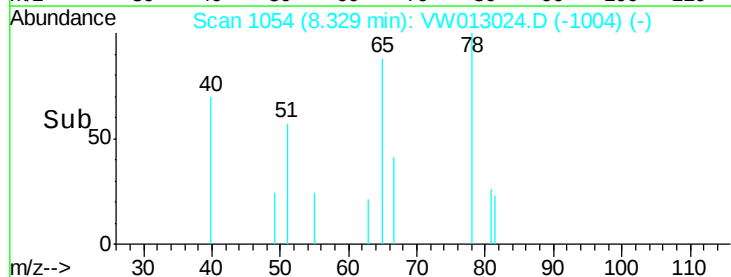
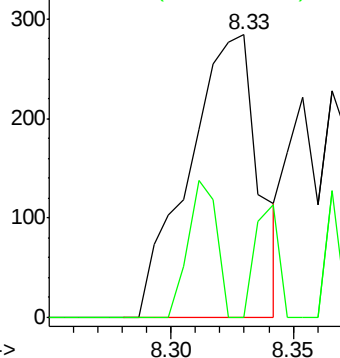


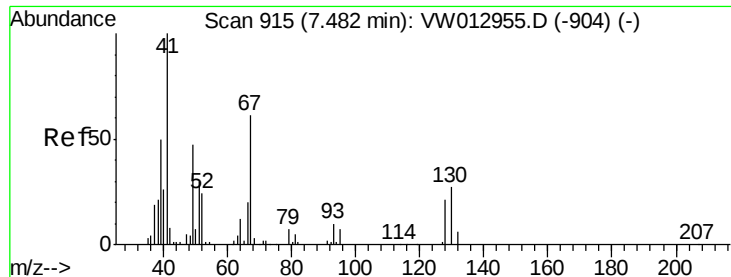
#40
Benzene
Concen: 10.095 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion: 78 Resp: 563
Ion Ratio Lower Upper
78 100
77 0.0 19.6 29.4#



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

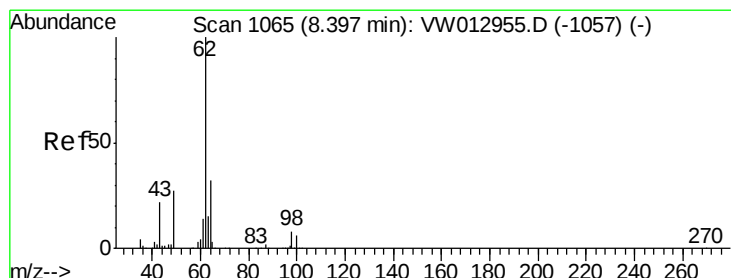
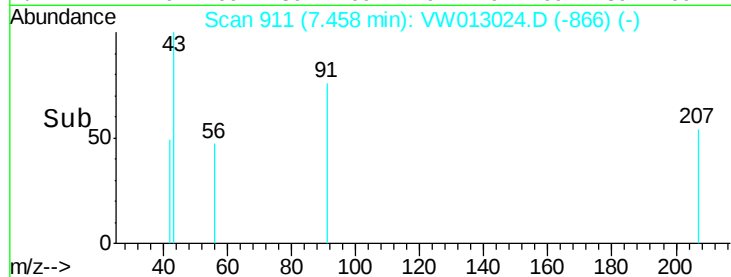
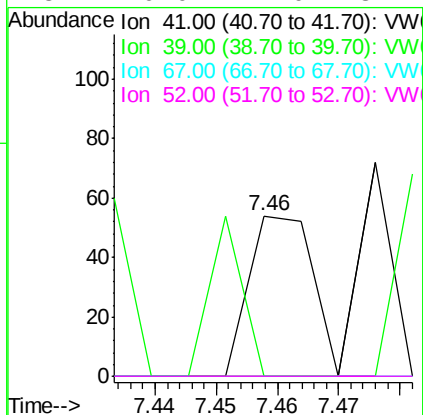
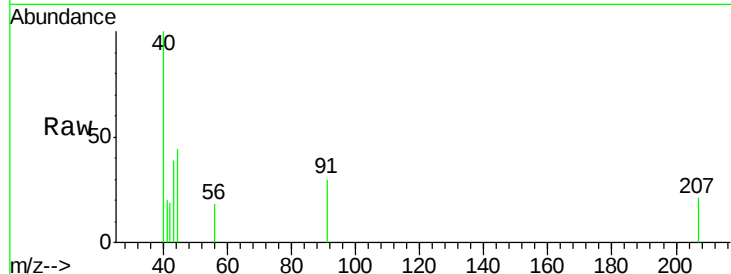




#41
Methacrylonitrile
Concen: 5.585 ug/l
RT: 7.46 min Scan# 911
Delta R.T. -0.02 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

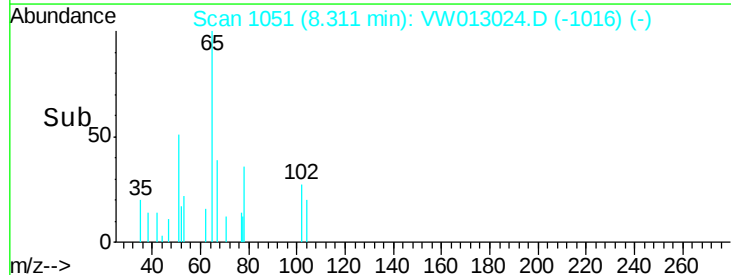
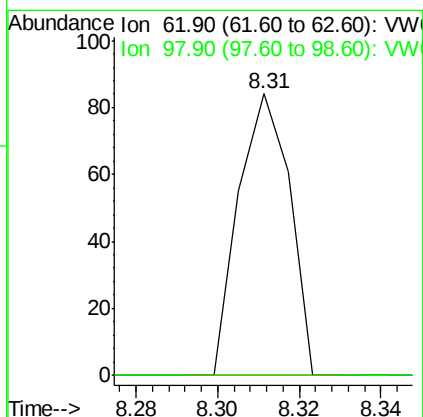
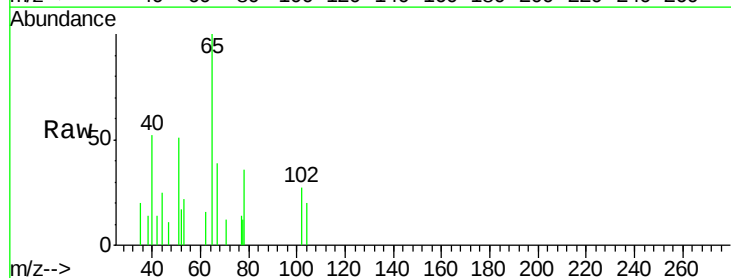
Instrument :
MSVOA_W
ClientSampled :
AOC-7(7)

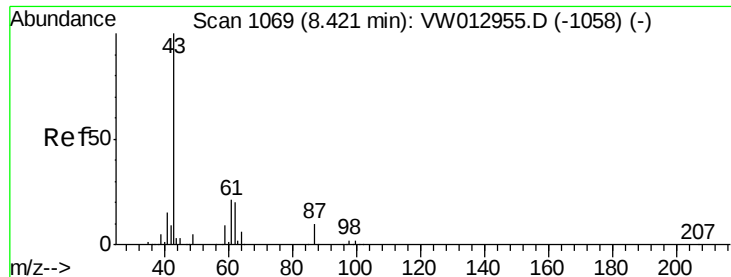
Tot Ion:	41	Resp:	39
Ion	Ratio	Lower	Upper
41	100		
39	51.3	48.2	72.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.4#



#42
1,2-Dichloroethane
Concen: 3.905 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.09 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion:	62	Resp:	73
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.8





#43

Isopropyl Acetate

Concen: 2.849 ug/l

RT: 8.37 min Scan# 1061

Delta R.T. -0.05 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampled :

AOC-7(7)

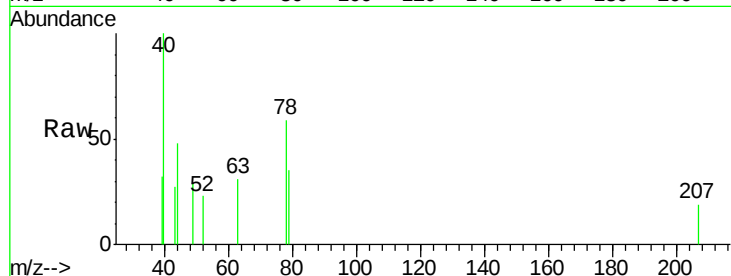
Tot Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

61 32.8 22.7 34.1

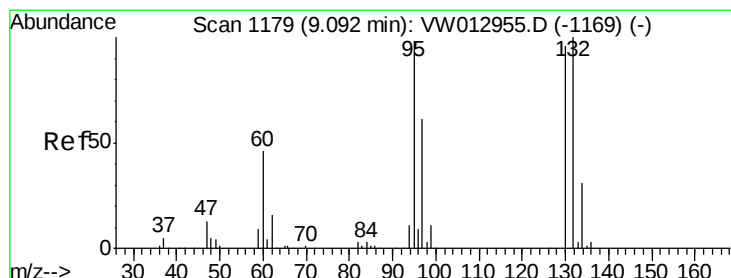
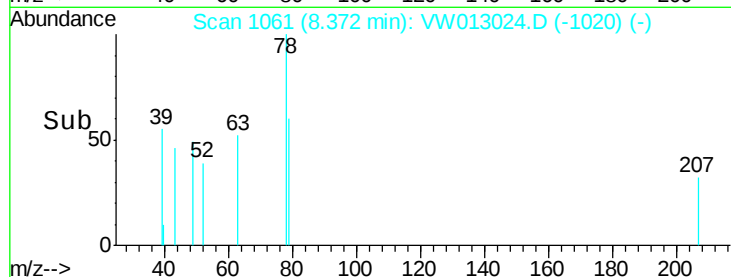
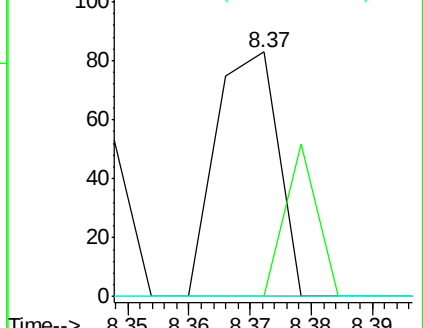
87 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 2.946 ug/l

RT: 9.20 min Scan# 1197

Delta R.T. 0.11 min

Lab File: VW013024.D

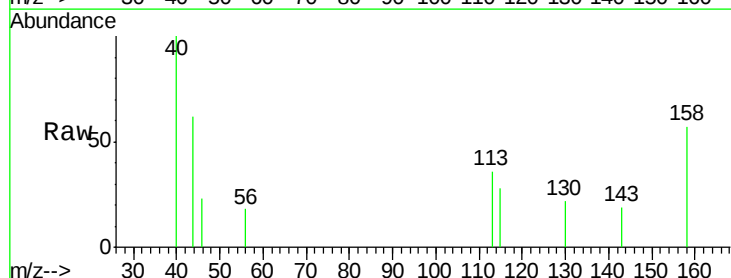
Acq: 15 Sep 2019 06:10

Tgt Ion: 130 Resp: 45

Ion Ratio Lower Upper

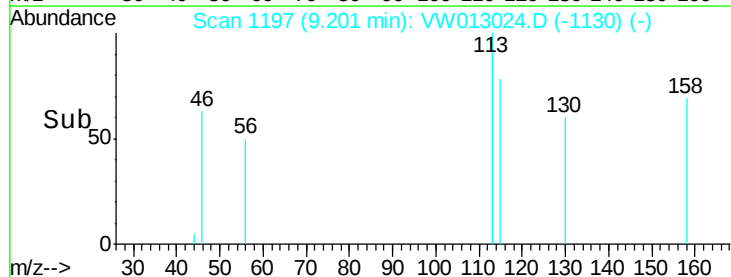
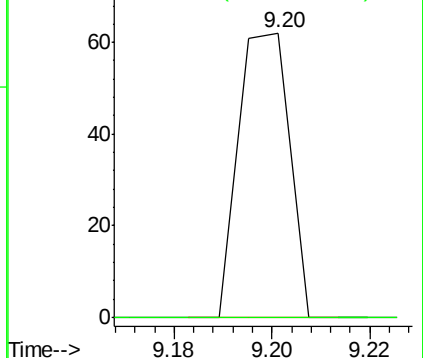
130 100

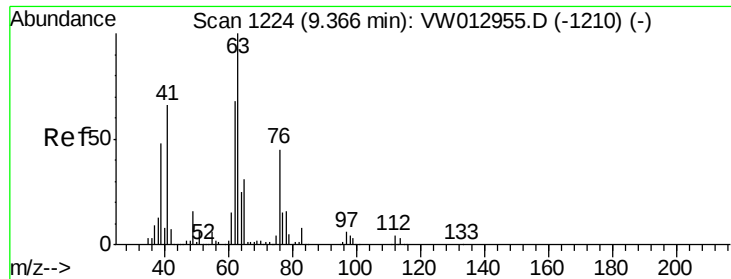
95 0.0 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

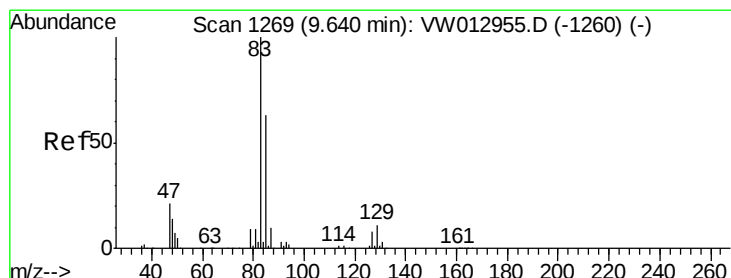
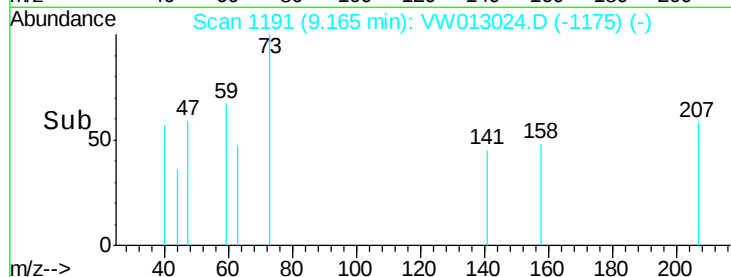
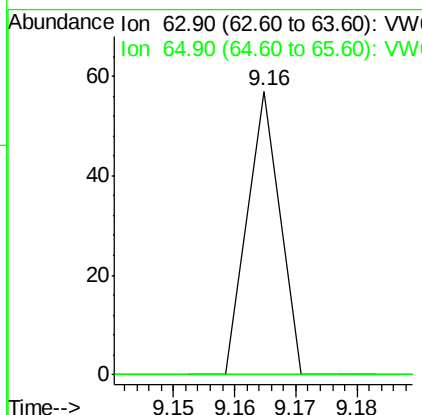
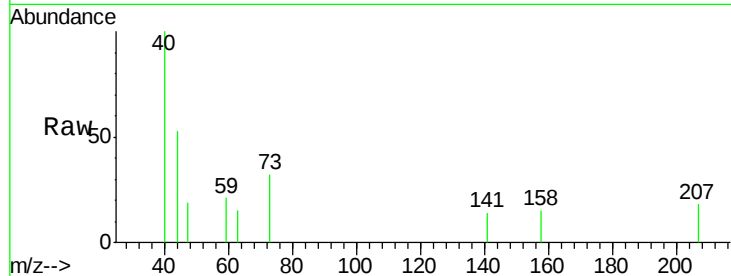




#45
 1,2-Dichloropropane
 Concen: 1.417 ug/l
 RT: 9.16 min Scan# 1191
 Delta R.T. -0.20 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

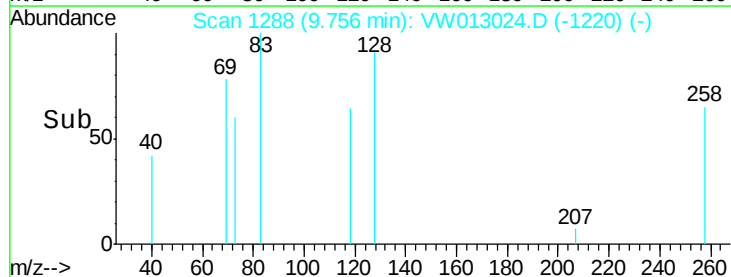
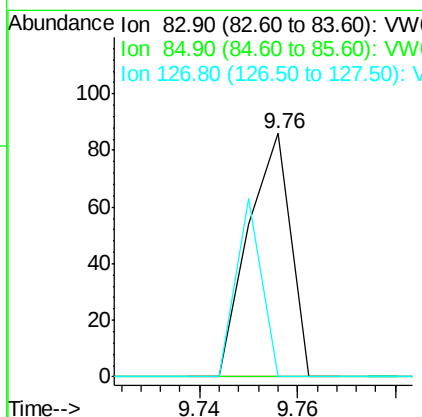
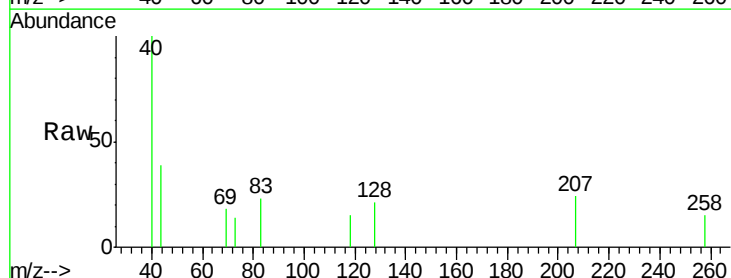
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(7)

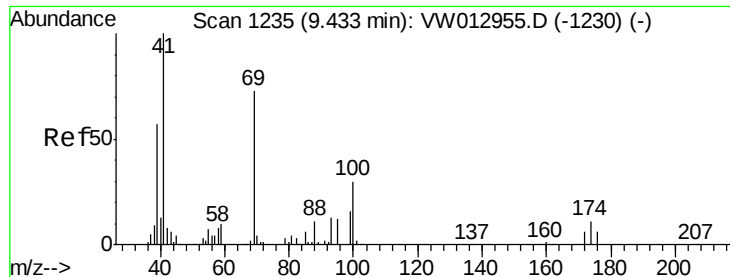
Tot Ion: 63 Resp: 21
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#47
 Bromodichloromethane
 Concen: 2.561 ug/l
 RT: 9.76 min Scan# 1288
 Delta R.T. 0.12 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

Tgt Ion: 83 Resp: 51
 Ion Ratio Lower Upper
 83 100
 85 0.0 50.6 75.8#
 127 0.0 6.7 10.1#

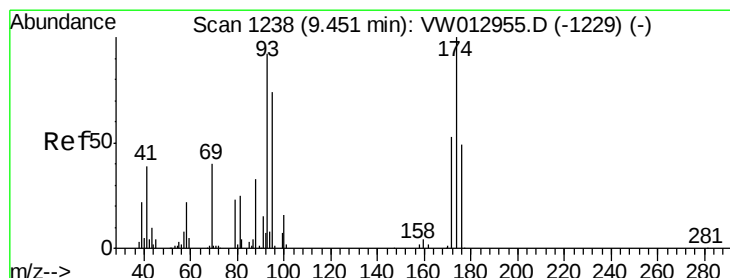
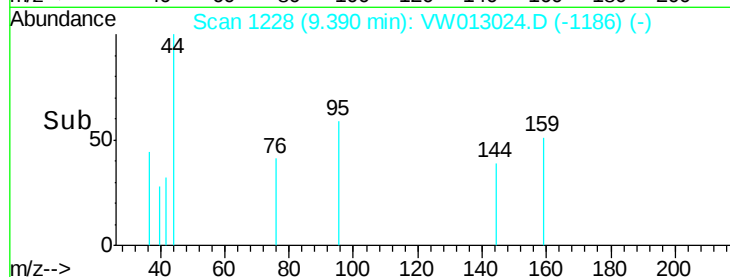
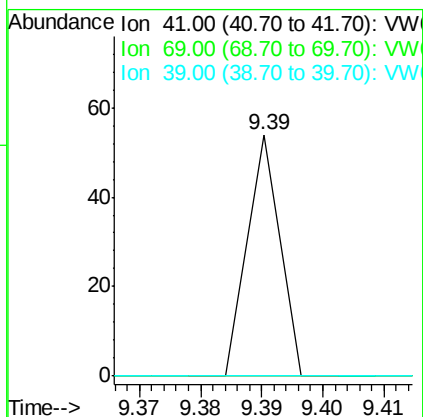
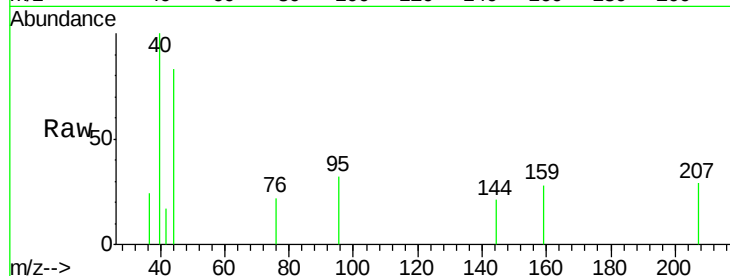




#48
Methvl methacrvlate
Concen: 2.093 ug/l
RT: 9.39 min Scan# 1228
Delta R.T. -0.04 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

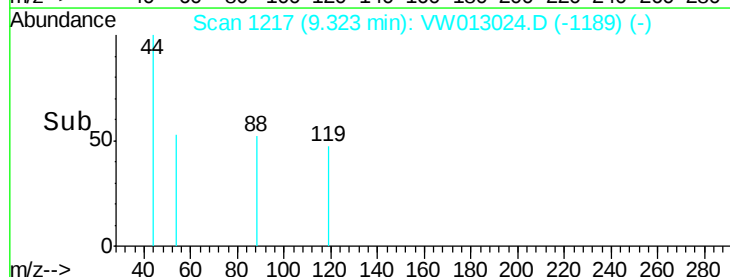
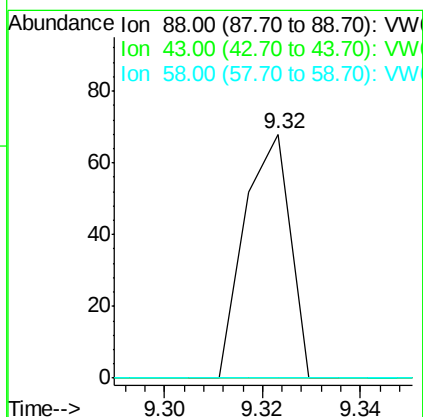
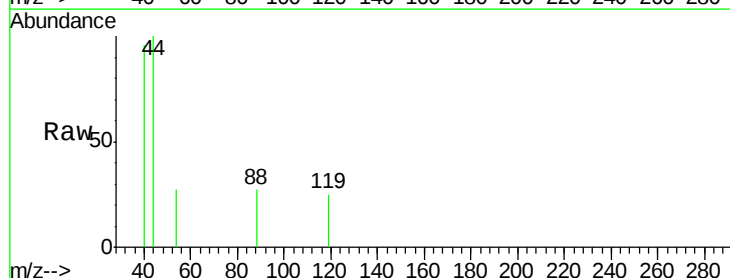
Instrument :
MSVOA_W
ClientSampleId :
AOC-7(7)

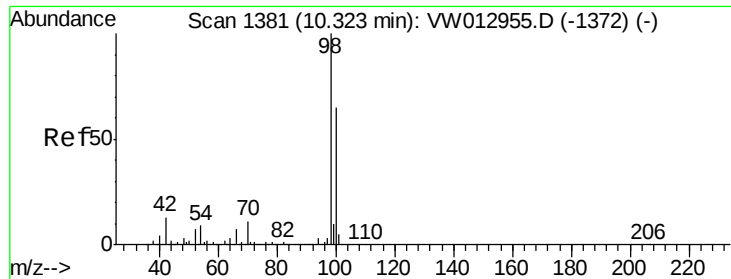
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	62.8	94.2#
39	0.0	48.5	72.7#



#49
1,4-Dioxane
Concen: 369.902 ug/l
RT: 9.32 min Scan# 1217
Delta R.T. -0.13 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	0.0	60.2	90.2#





#50

Toluene-d8

Concen: 39.900 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampled :

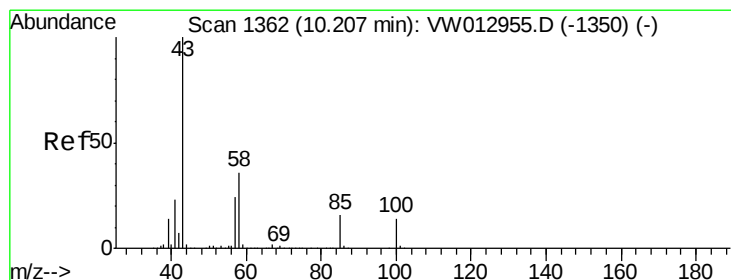
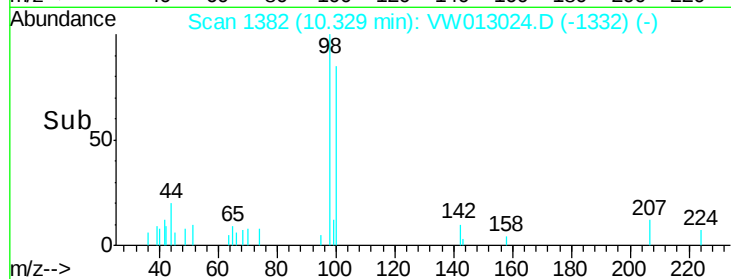
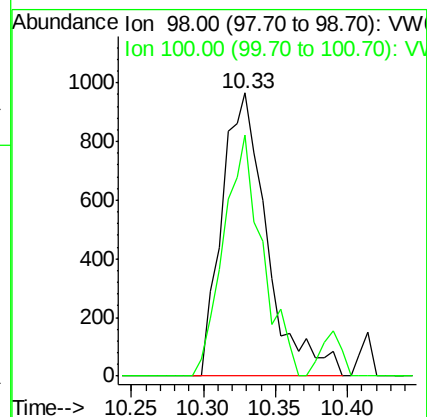
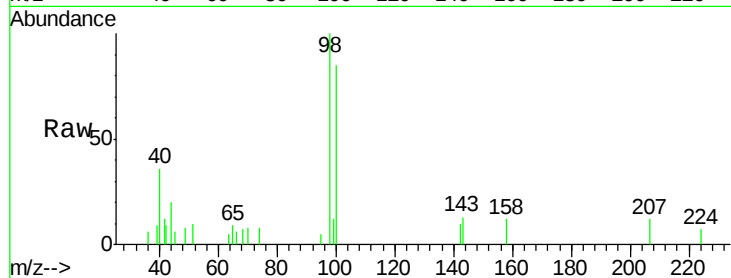
AOC-7(7)

Tot Ion: 98 Resp: 2118

Ion Ratio Lower Upper

98 100

100 72.8 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 5.328 ug/l

RT: 10.20 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VW013024.D

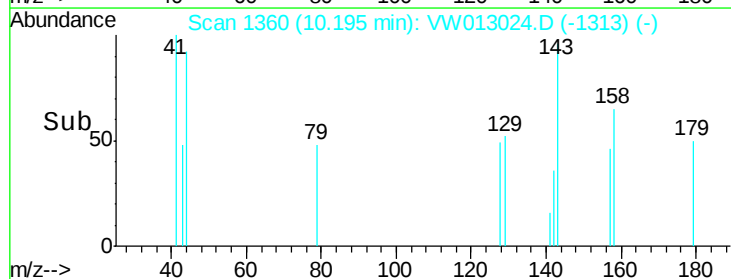
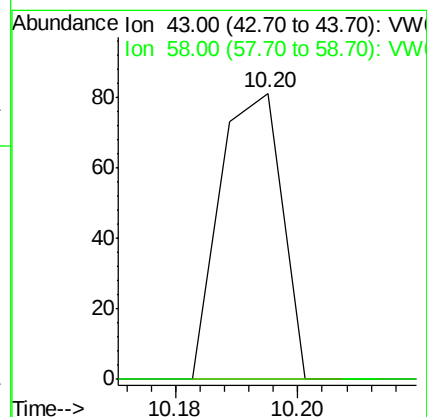
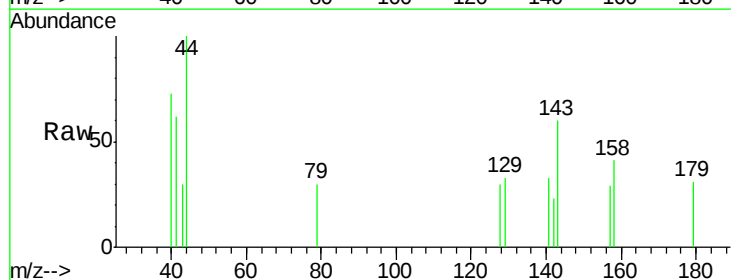
Acq: 15 Sep 2019 06:10

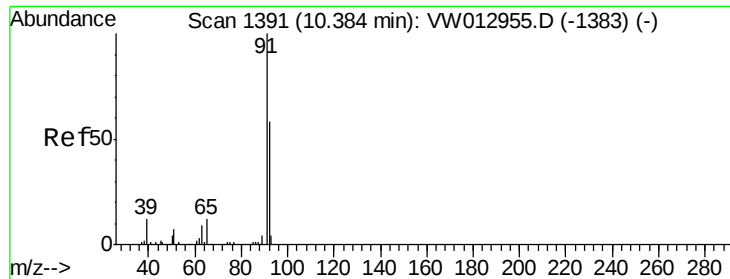
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

58 0.0 29.5 44.3#





#52

Toluene

Concen: 11.315 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

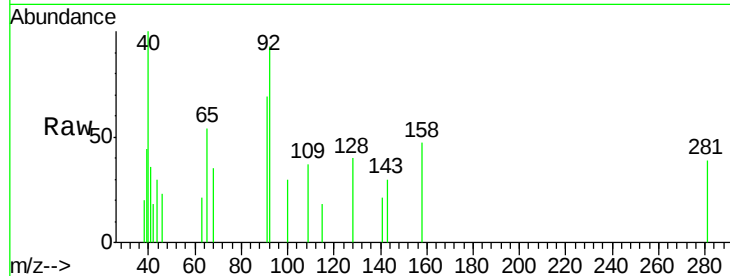
AOC-7(7)

Tot Ion: 92 Resp: 401

Ion Ratio Lower Upper

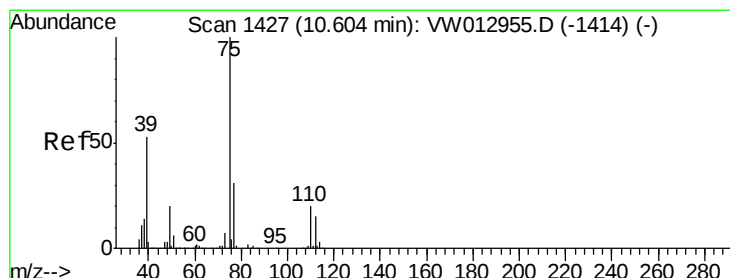
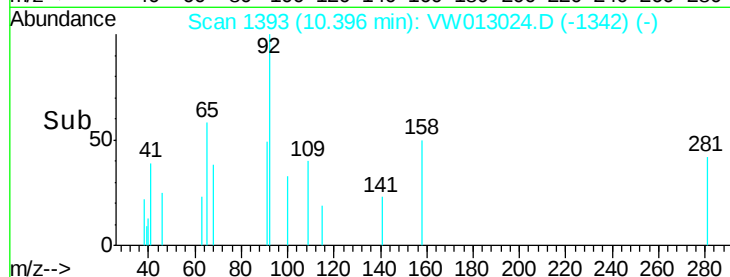
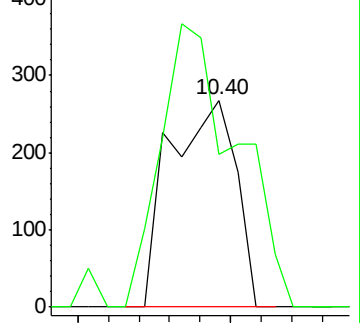
92 100

91 157.4 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 1.348 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.21 min

Lab File: VW013024.D

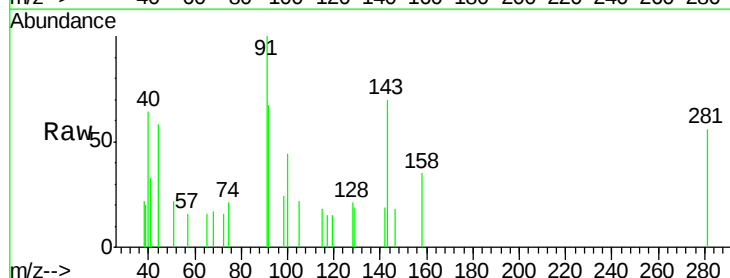
Acq: 15 Sep 2019 06:10

Tgt Ion: 75 Resp: 27

Ion Ratio Lower Upper

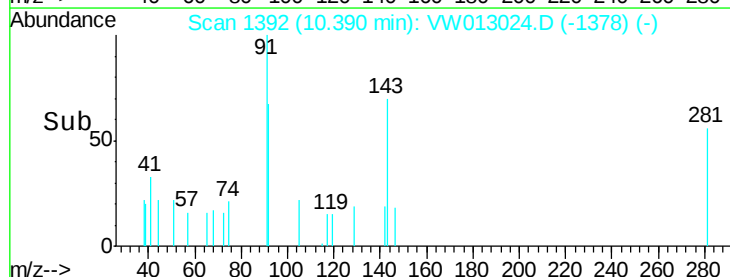
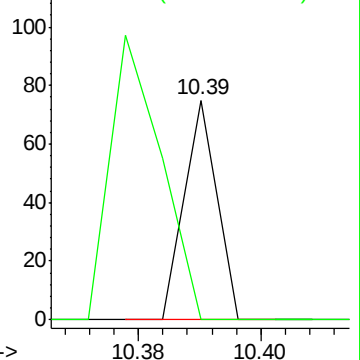
75 100

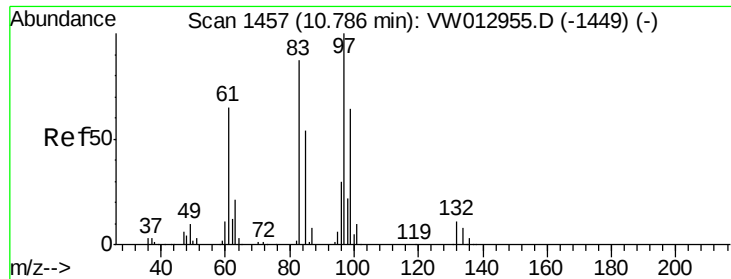
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#55

1,1,2-Trichloroethane

Concen: 3.514 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. -0.12 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(7)

Tot Ion: 97 Resp: 38

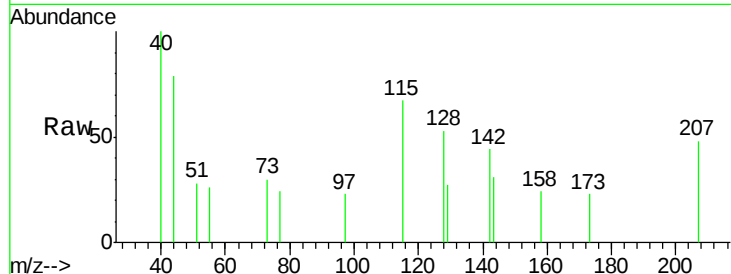
Ion Ratio Lower Upper

97 100

83 0.0 69.4 104.0#

85 0.0 43.3 64.9#

99 0.0 50.9 76.3#

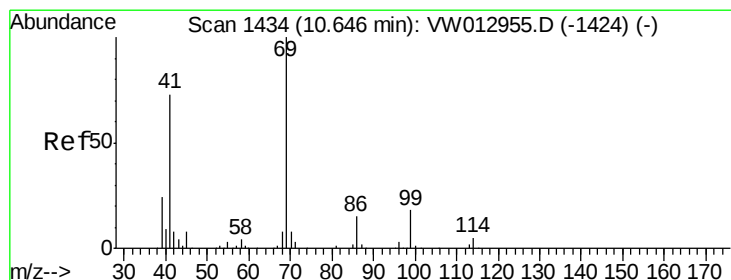
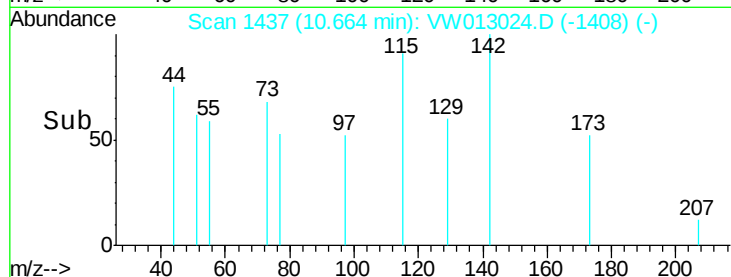
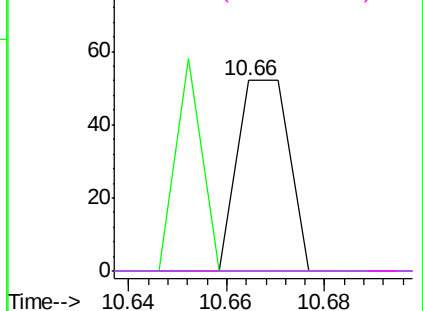


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 2.473 ug/l

RT: 10.59 min Scan# 1425

Delta R.T. -0.05 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

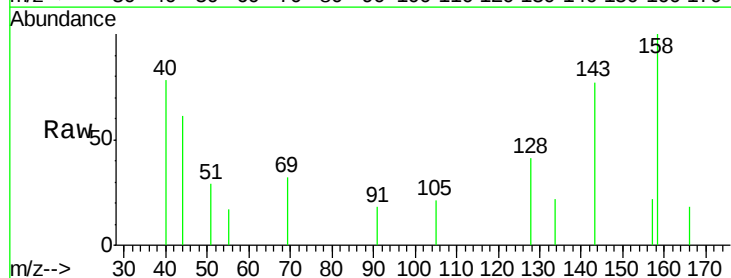
Tgt Ion: 69 Resp: 36

Ion Ratio Lower Upper

69 100

41 0.0 60.8 91.2#

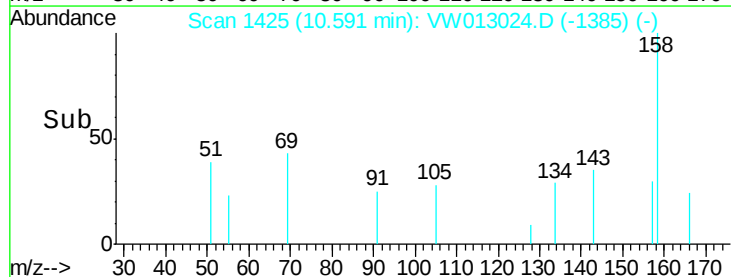
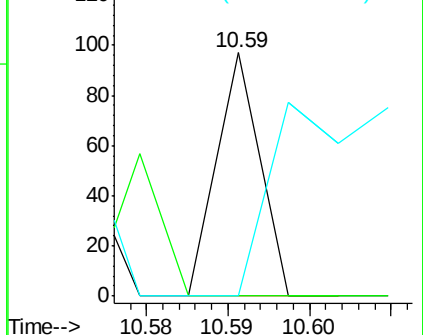
39 0.0 29.4 44.0#

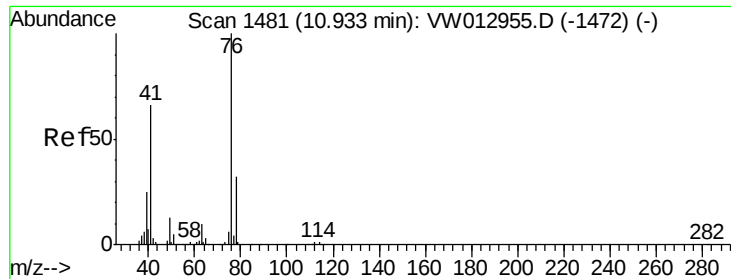


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 1.043 ug/l

RT: 10.85 min Scan# 1468

Delta R.T. -0.08 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

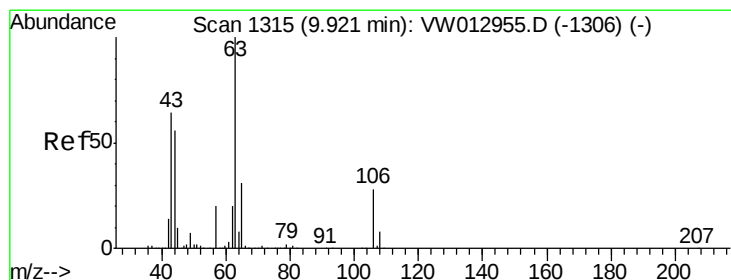
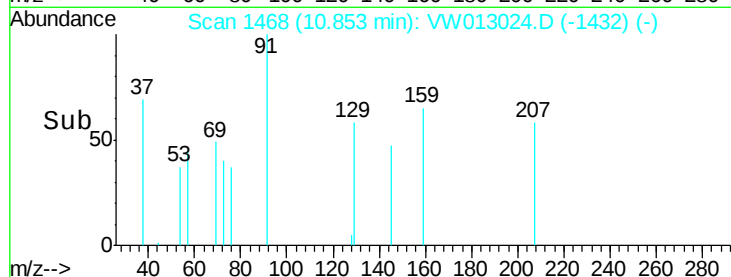
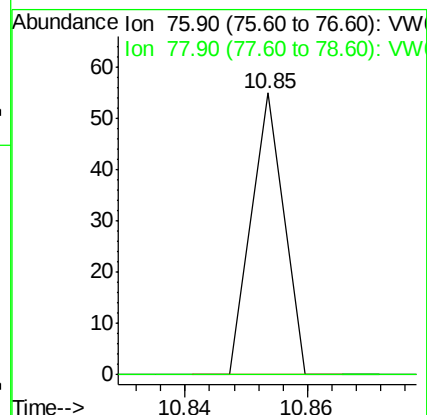
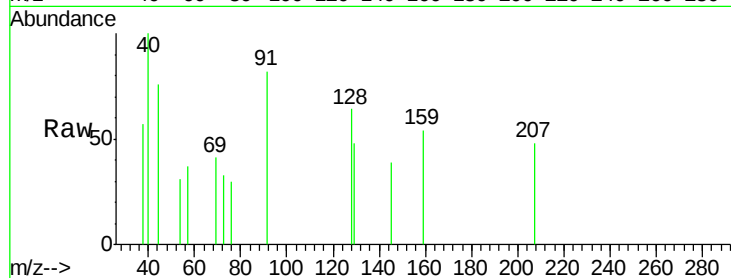
AOC-7(7)

Tot Ion: 76 Resp: 20

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#58

2-Chloroethyl Vinyl ether

Concen: 2.817 ug/l

RT: 9.97 min Scan# 1323

Delta R.T. 0.05 min

Lab File: VW013024.D

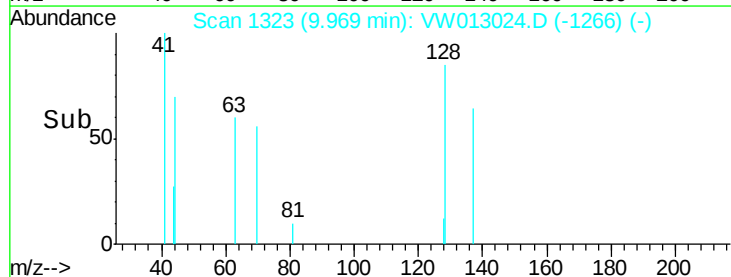
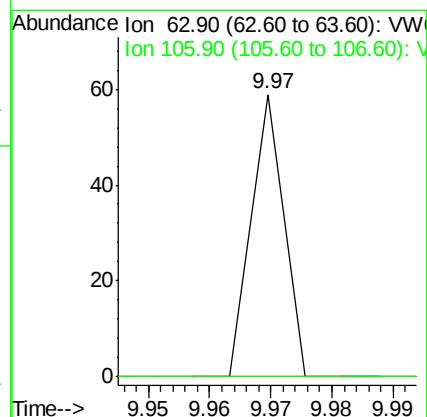
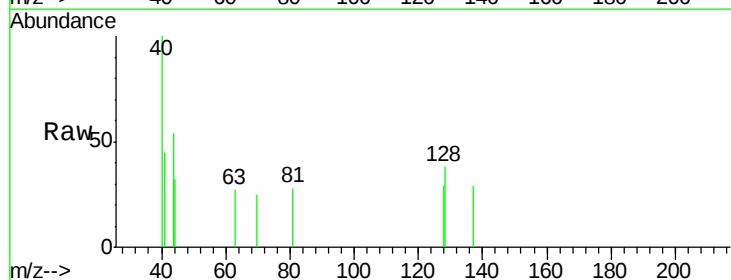
Acq: 15 Sep 2019 06:10

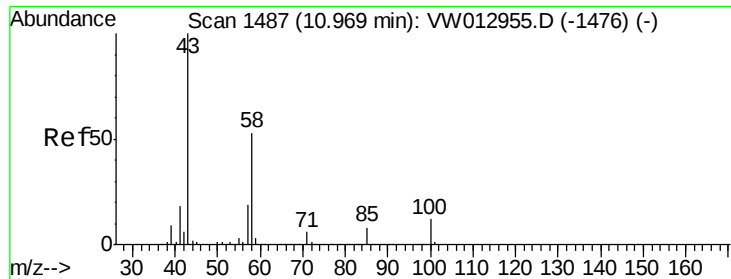
Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

63 100

106 0.0 22.2 33.2#

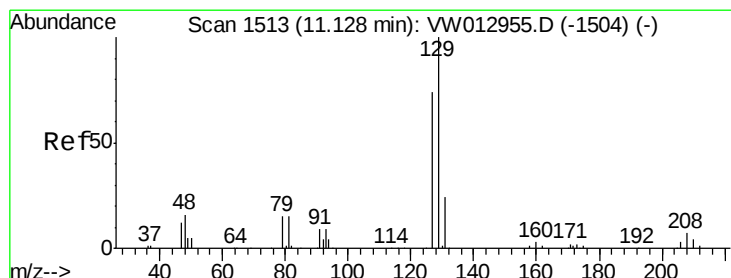
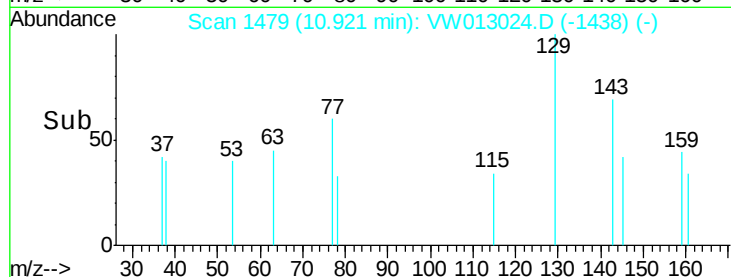
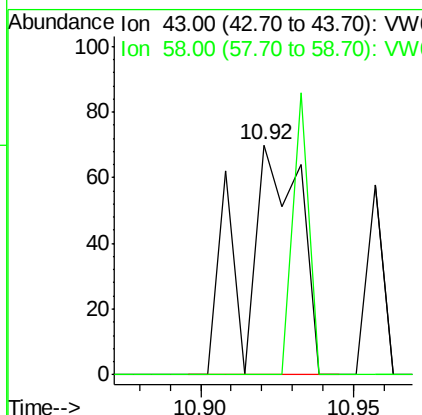
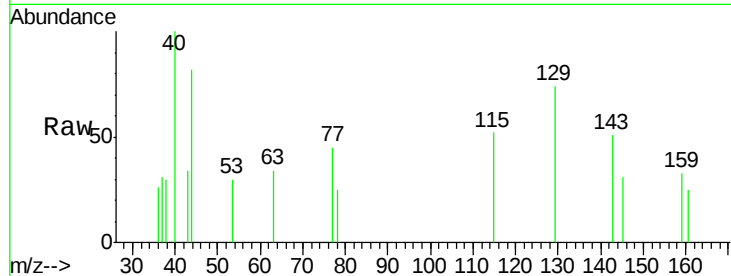




#59
2-Hexanone
Concen: 12.297 ug/l
RT: 10.92 min Scan# 1479
Delta R.T. -0.05 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

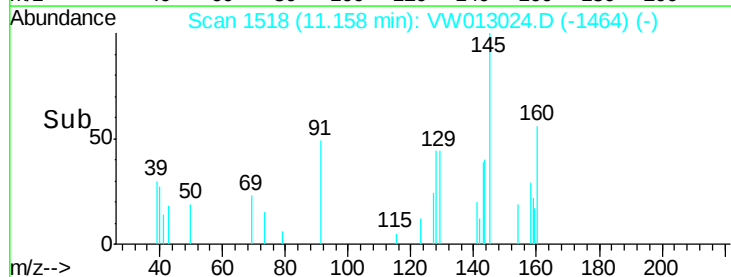
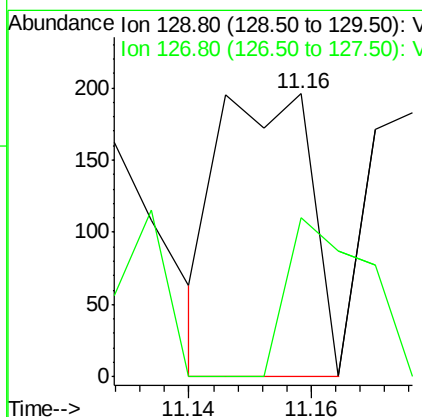
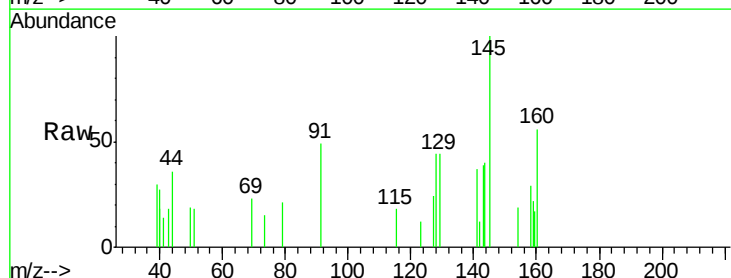
Instrument :
MSVOA_W
ClientSampleId :
AOC-7(7)

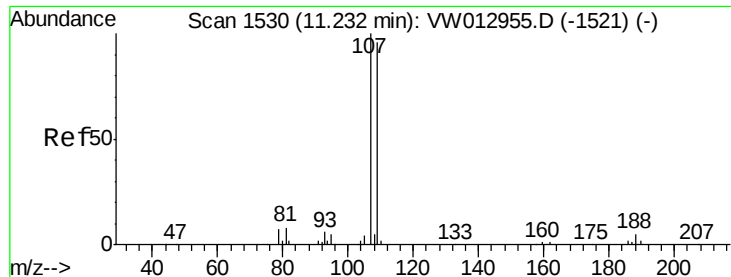
Tot Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 34.4 25.8 77.3



#60
Dibromochloromethane
Concen: 15.756 ug/l
RT: 11.16 min Scan# 1518
Delta R.T. 0.03 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion: 129 Resp: 206
Ion Ratio Lower Upper
129 100
127 48.5 37.4 112.2





#61

1,2-Dibromoethane

Concen: 2.331 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

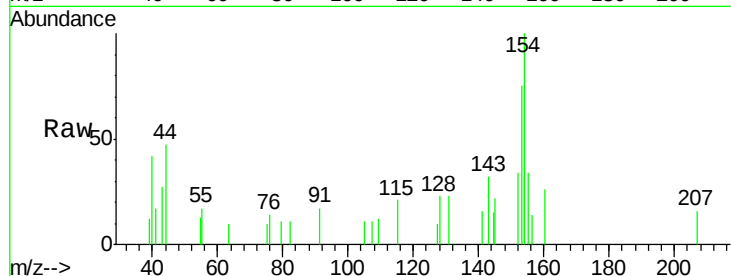
AOC-7(7)

Tot Ion:107 Resp: 23

Ion Ratio Lower Upper

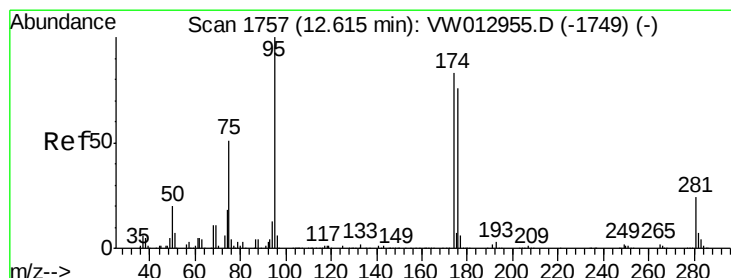
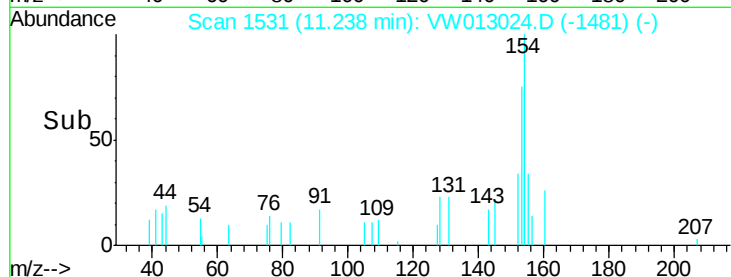
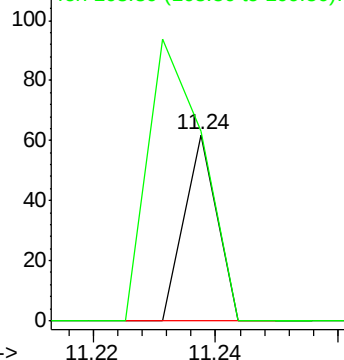
107 100

109 247.8 75.0 112.6#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.165 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

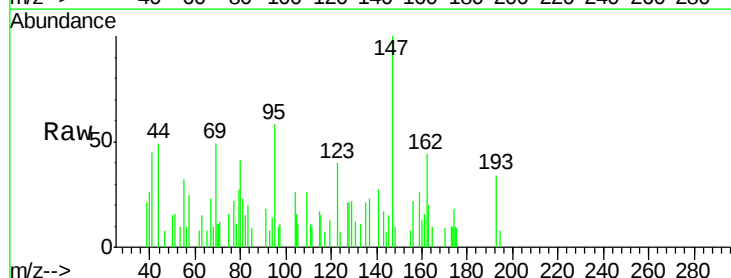
Tgt Ion: 95 Resp: 843

Ion Ratio Lower Upper

95 100

174 47.7 0.0 170.4

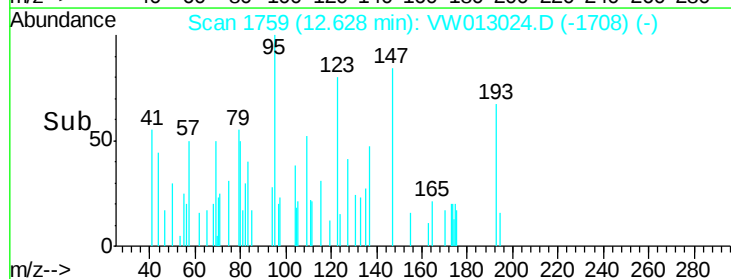
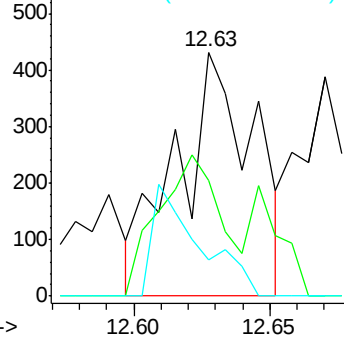
176 28.1 0.0 164.6

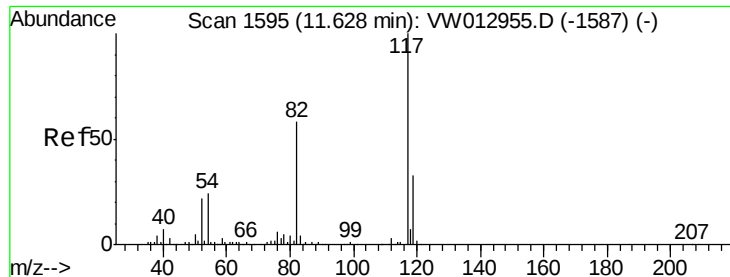


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(7)

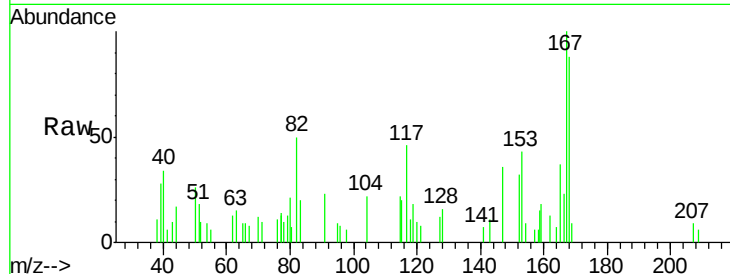
Tot Ion:117 Resp: 1050

Ion Ratio Lower Upper

117 100

82 63.4 46.3 69.5

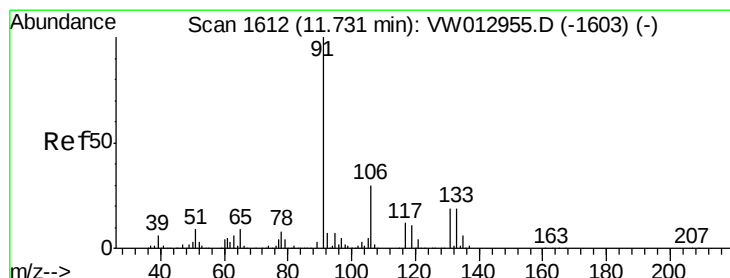
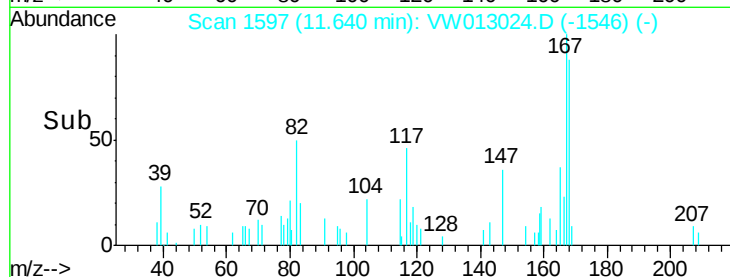
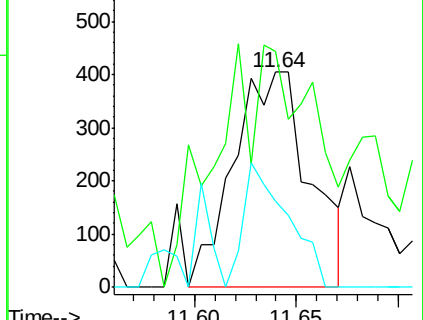
119 40.3 26.2 39.4#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 29.997 ug/l

RT: 11.75 min Scan# 1615

Delta R.T. 0.02 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

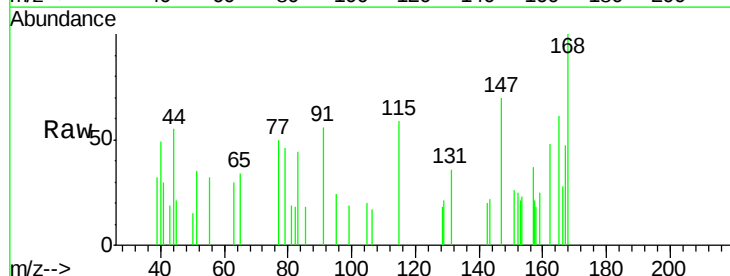
Tgt Ion:131 Resp: 215

Ion Ratio Lower Upper

131 100

133 31.6 47.9 143.8#

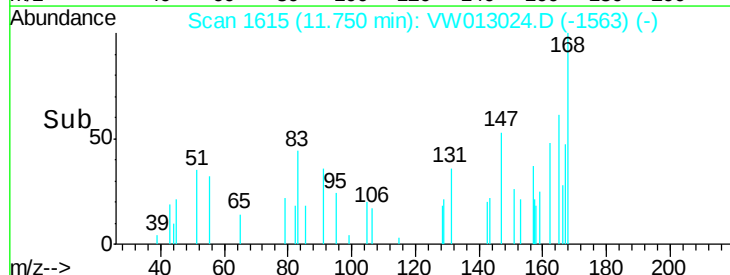
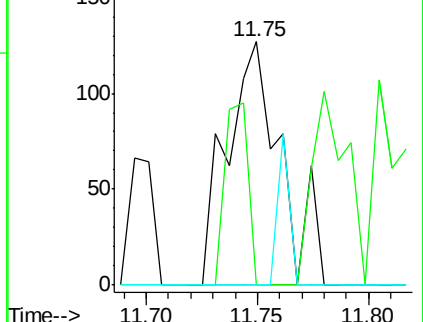
119 0.0 30.9 92.7#

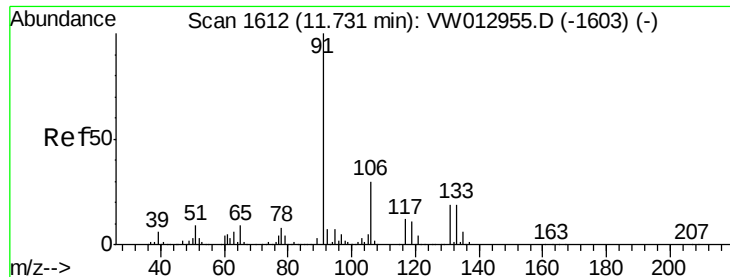


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 12.622 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

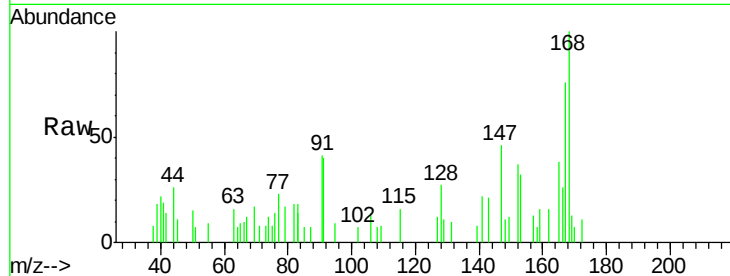
AOC-7(7)

Tot Ion: 91 Resp: 436

Ion Ratio Lower Upper

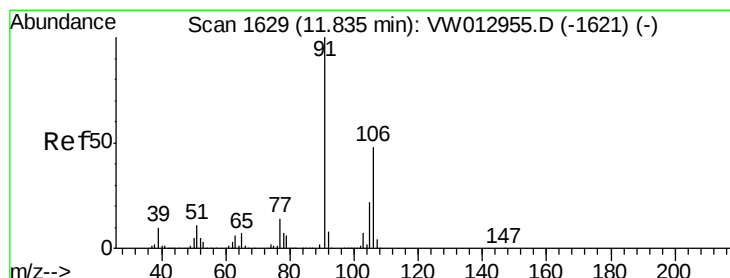
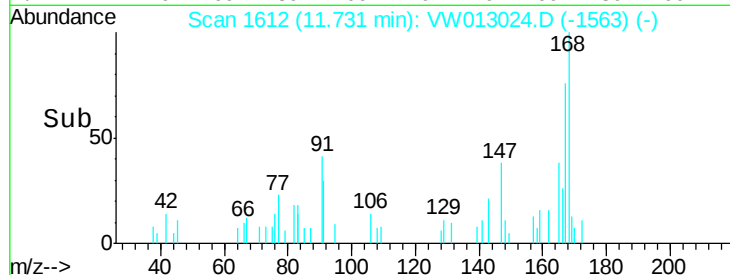
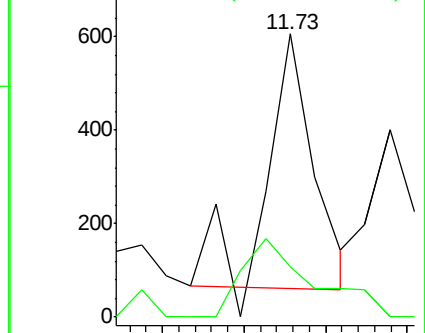
91 100

106 19.9 24.3 36.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 12.680 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW013024.D

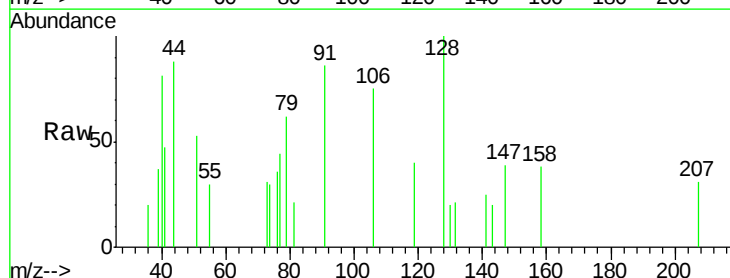
Acq: 15 Sep 2019 06:10

Tgt Ion: 106 Resp: 160

Ion Ratio Lower Upper

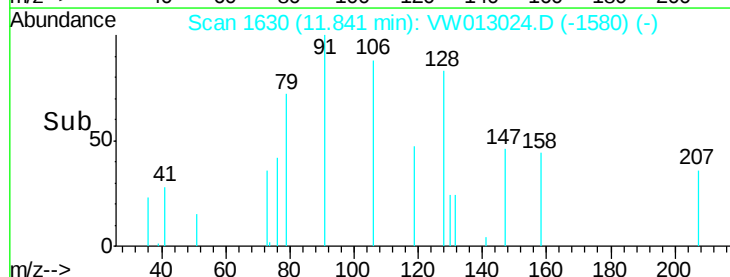
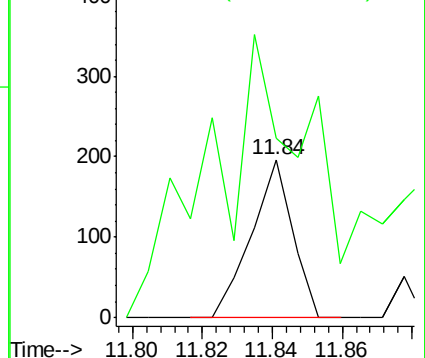
106 100

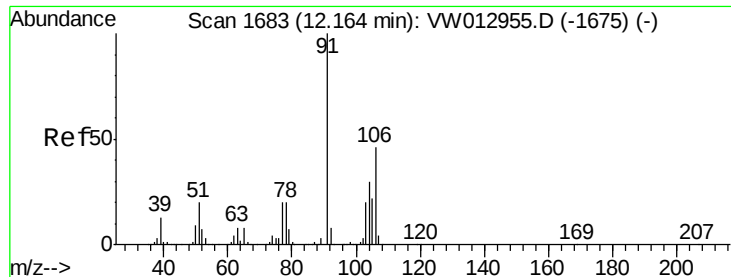
91 471.9 165.8 248.8#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

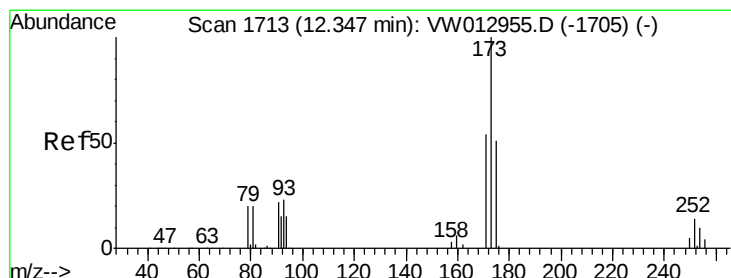
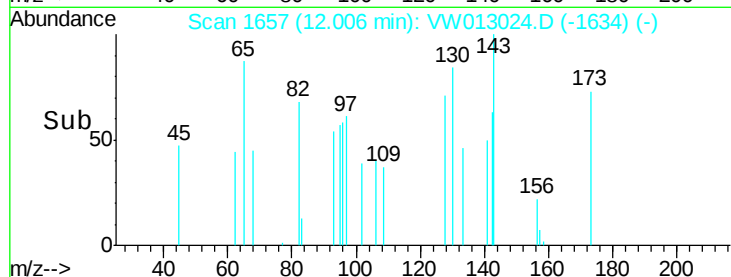
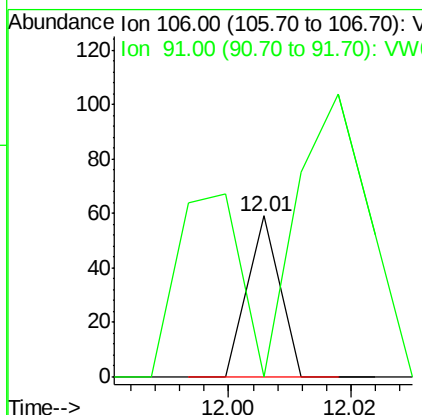
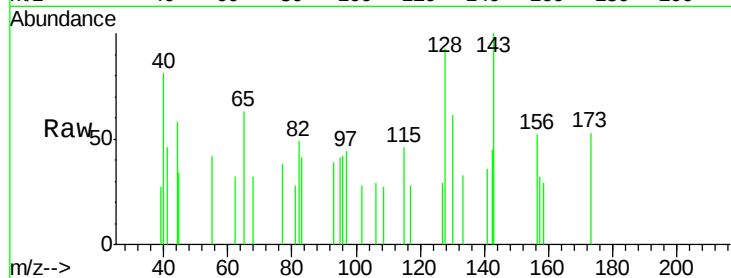




#69
o-Xylene
Concen: 1.860 ug/l
RT: 12.01 min Scan# 1657
Delta R.T. -0.16 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

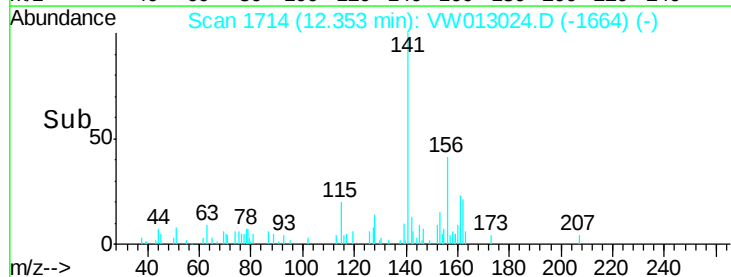
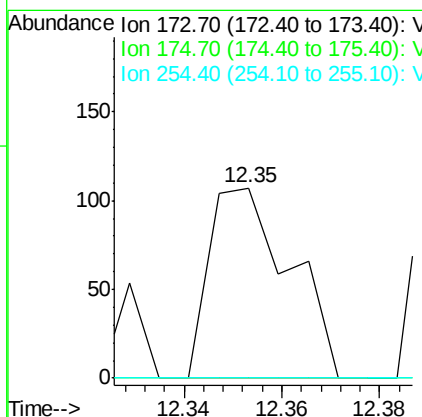
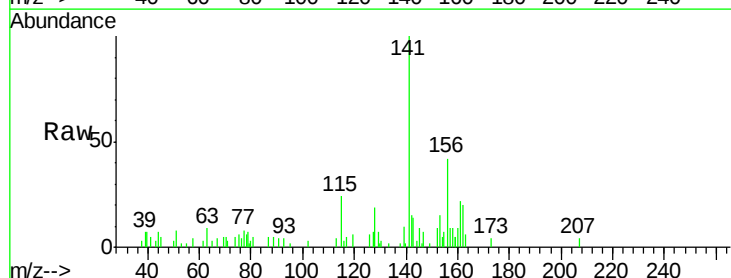
Instrument :
MSVOA_W
ClientSampled :
AOC-7(7)

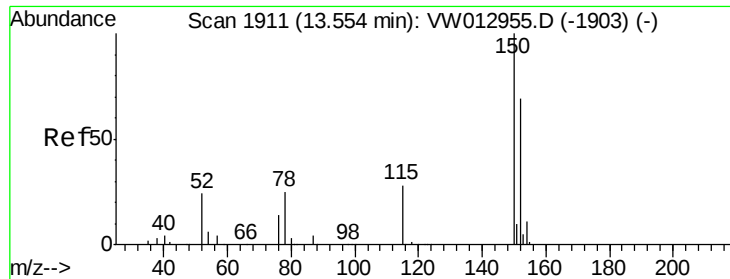
Tot Ion:106 Resp: 22
Ion Ratio Lower Upper
106 100
91 218.2 109.7 329.0



#71
Bromoform
Concen: 32.671 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion:173 Resp: 123
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.1 0.1#



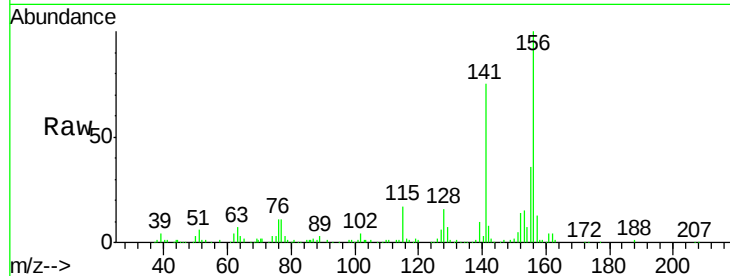


#72

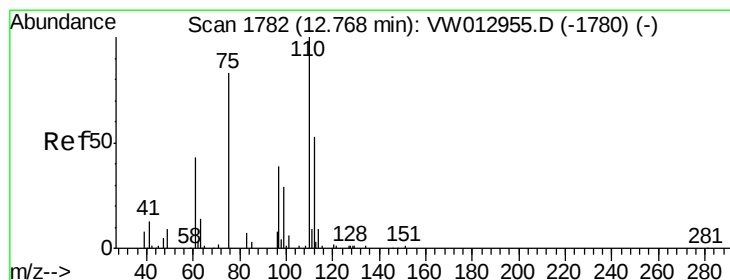
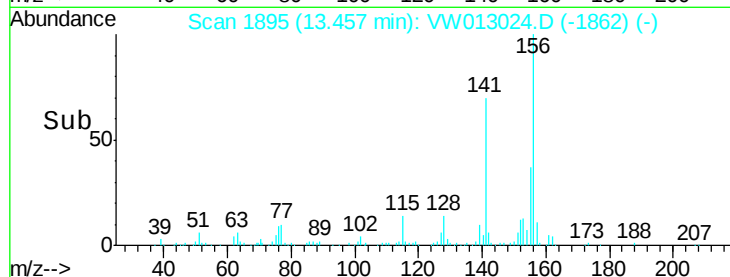
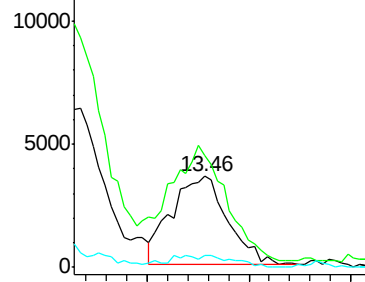
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.46 min Scan# 1895
Delta R.T. -0.10 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Instrument :
MSVOA_W
ClientSampleId :
AOC-7(7)

Tot Ion:152 Resp: 13778
Ion Ratio Lower Upper
152 100
115 122.6 28.8 86.4#
150 7.6 0.0 340.2



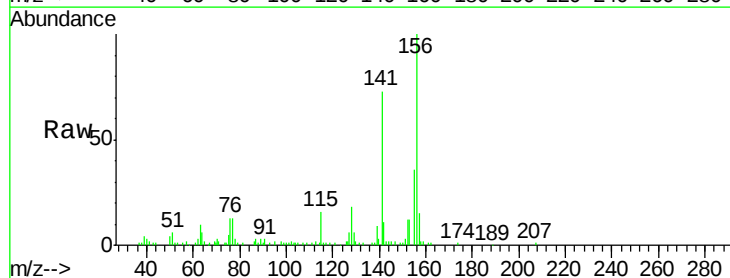
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



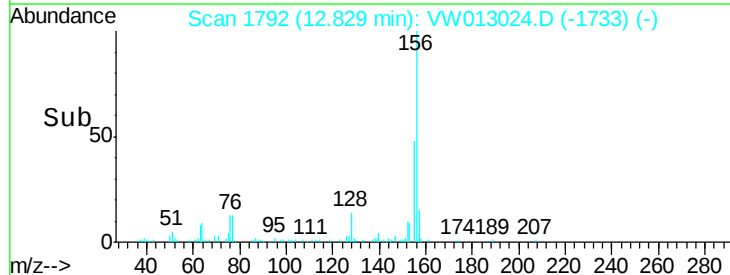
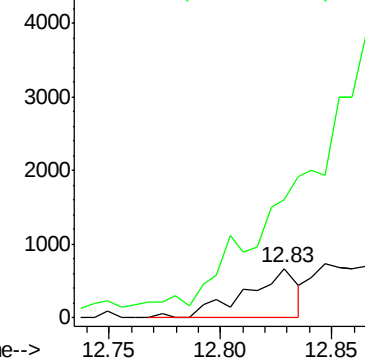
#76

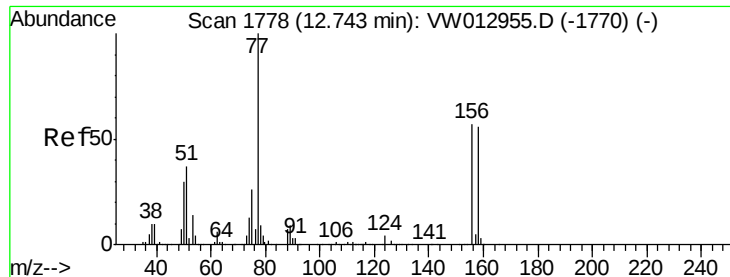
1,2,3-Trichloropropane
Concen: 9.024 ug/l
RT: 12.83 min Scan# 1792
Delta R.T. 0.06 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion: 75 Resp: 1089
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

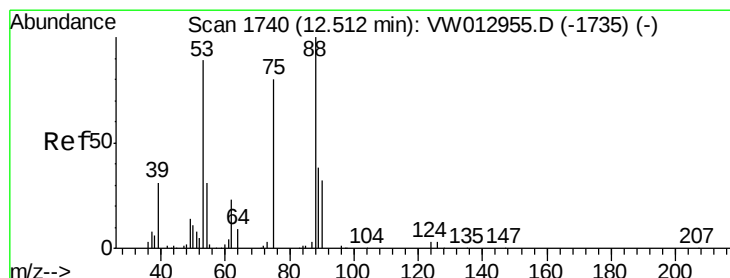
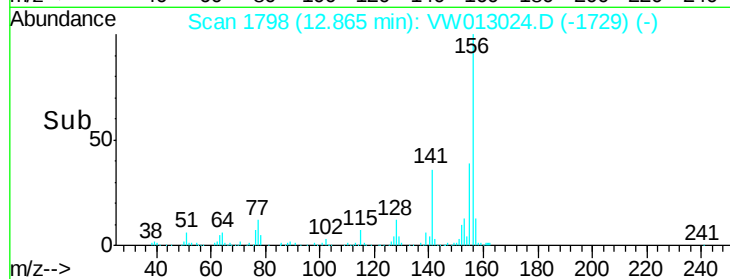
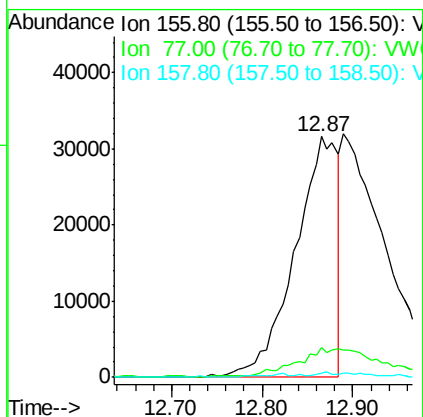
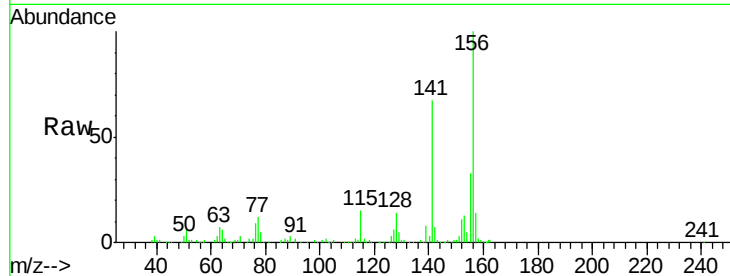




#77
Bromobenzene
Concen: 492.119 ug/l
RT: 12.87 min Scan# 1798
Delta R.T. 0.12 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

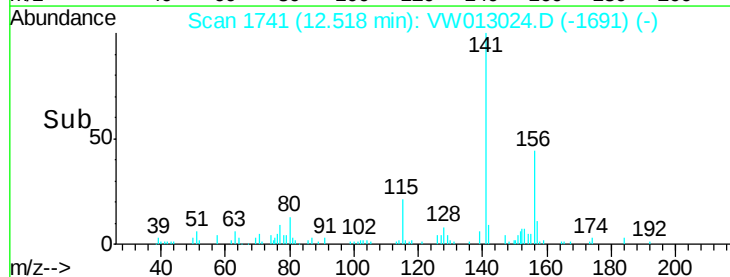
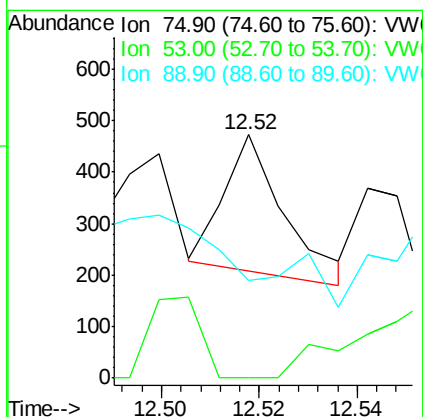
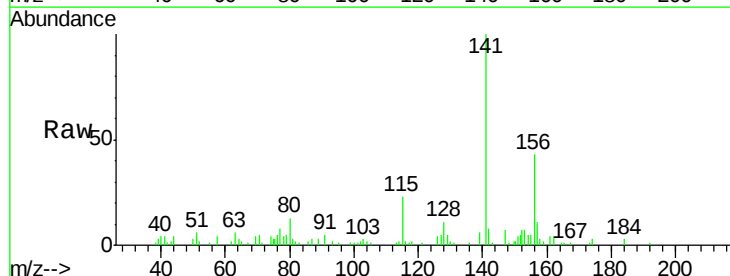
Instrument :
MSVOA_W
ClientSampled :
AOC-7(7)

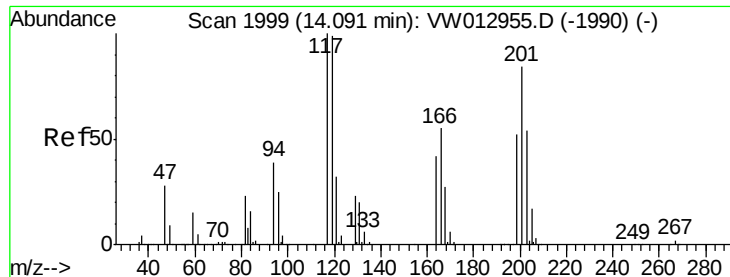
Tot Ion:156 Resp: 103536
Ion Ratio Lower Upper
156 100
77 22.5 95.2 285.6#
158 0.3 49.0 147.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 4.173 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Tgt Ion: 75 Resp: 222
Ion Ratio Lower Upper
75 100
53 50.9 85.6 128.4#
89 0.0 37.2 55.8#





#90

Hexachloroethane

Concen: 1.543 ug/l

RT: 14.07 min Scan# 1996

Delta R.T. -0.02 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

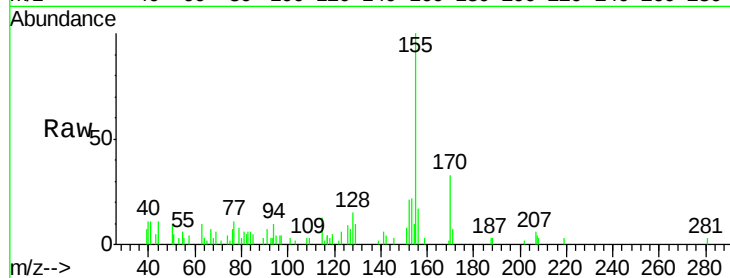
AOC-7(7)

Tot Ion:117 Resp: 239

Ion Ratio Lower Upper

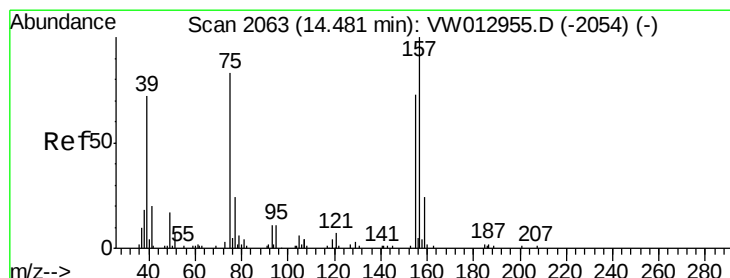
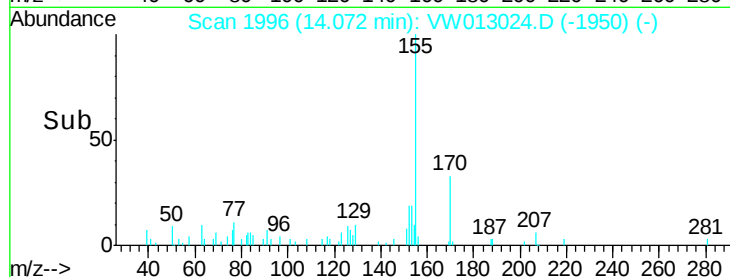
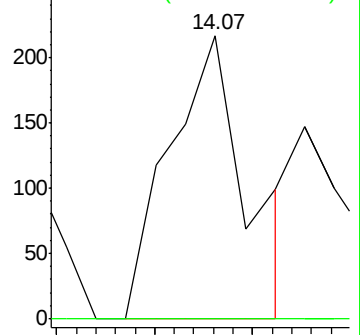
117 100

201 0.0 45.3 135.9#



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: 9.571 ug/l

RT: 14.52 min Scan# 2069

Delta R.T. 0.04 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

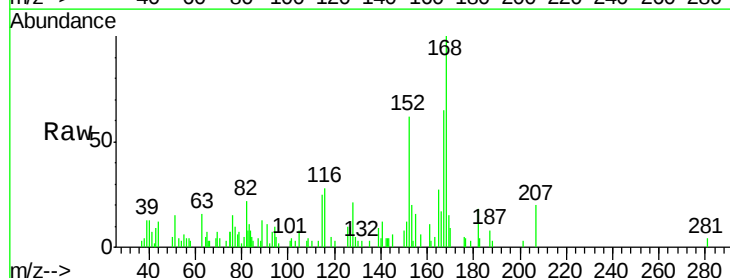
Tgt Ion: 75 Resp: 281

Ion Ratio Lower Upper

75 100

155 461.6 43.3 129.9#

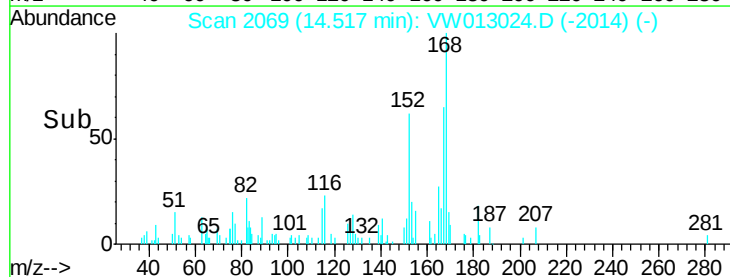
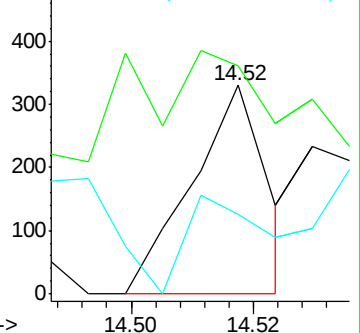
157 0.0 54.7 164.1#

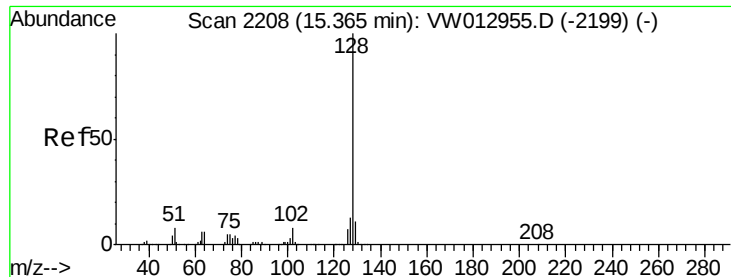


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 1.480 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

AOC-7-(7)

Tot Ion:128 Resp: 646

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.6#

129 24.3 8.6 12.8#

