

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 :

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				50.000		
			Recovery	=	122.90%	
35) Dibromofluoromethane	7.89	113	1148	84.63	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	169.26%	
50) Toluene-d8	10.33	98	2118	39.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.80%	
62) 4-Bromofluorobenzene	12.63	95	843	44.17	ug/l	0.01
Spiked Amount				50.000		
			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

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 :

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)

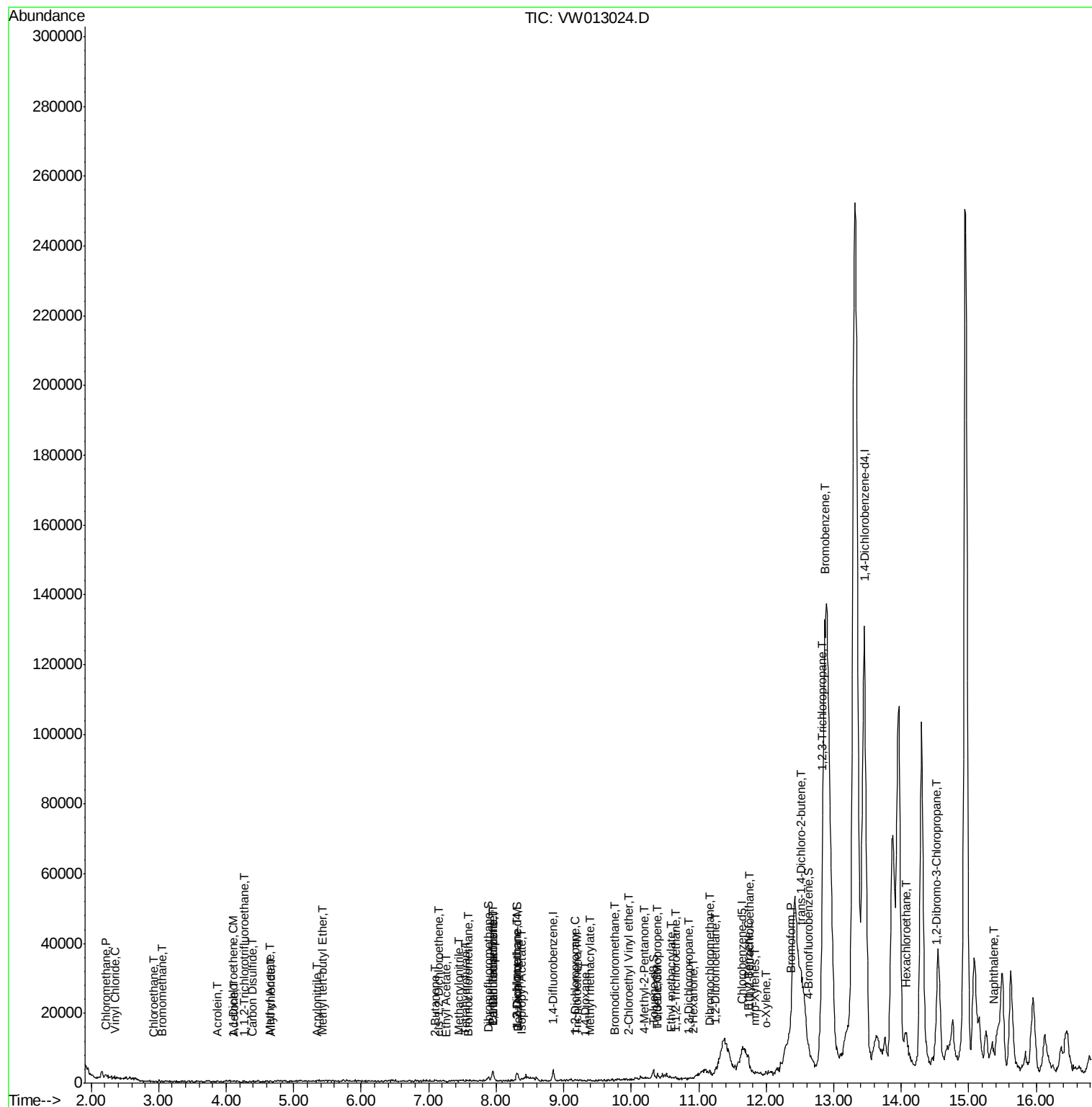
53) t-1,3-Dichloropropene	10.39	75	27	1.348	ug/l #	44
55) 1,1,2-Trichloroethane	10.66	97	38	3.514	ug/l #	15
56) Ethyl methacrylate	10.59	69	36	2.473	ug/l #	20
57) 1,3-Dichloropropane	10.85	76	20	1.043	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.97	63	22	2.817	ug/l #	47
59) 2-Hexanone	10.92	43	90	12.297	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

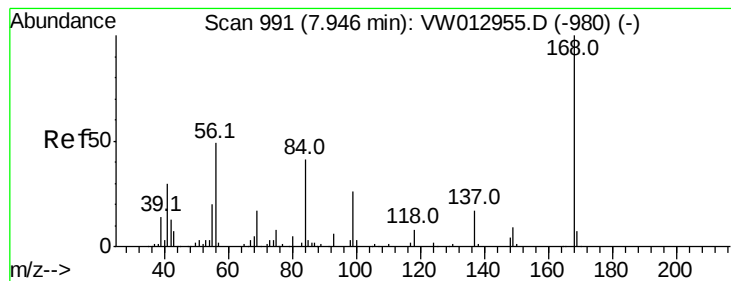
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :

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





#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

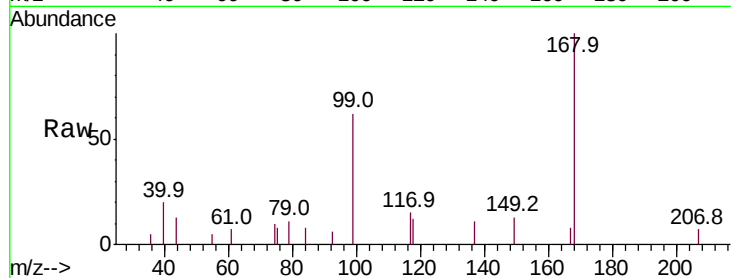
ClientSampleId :

Tot Ion:168 Resp: 2643

Ion Ratio Lower Upper

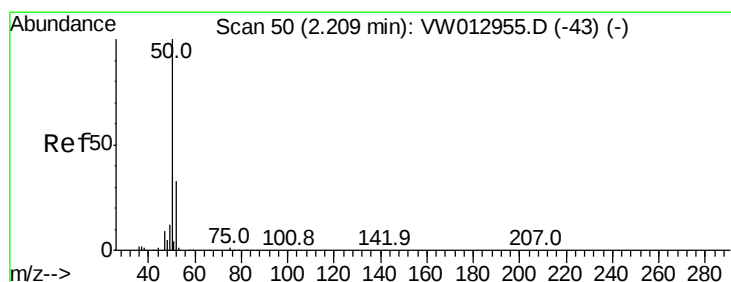
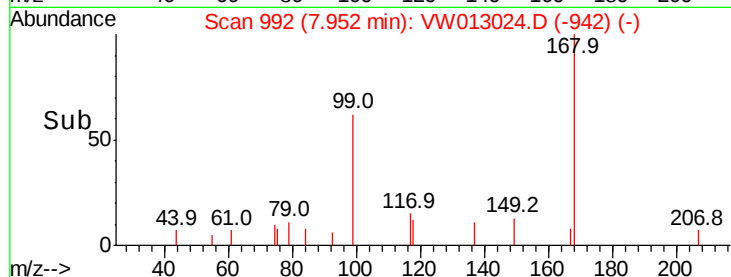
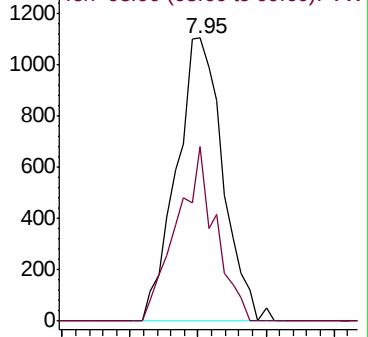
168 100

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



#3

Chloromethane

Concen: 2.809 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013024.D

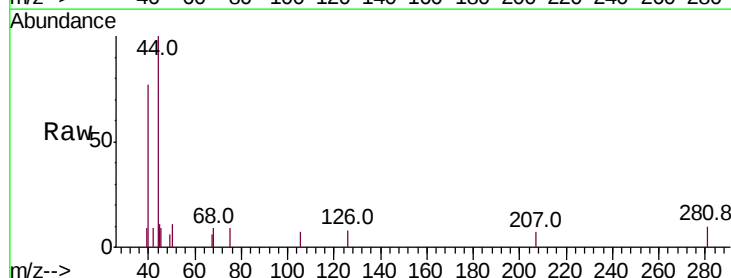
Acq: 15 Sep 2019 06:10

Tgt Ion: 50 Resp: 94

Ion Ratio Lower Upper

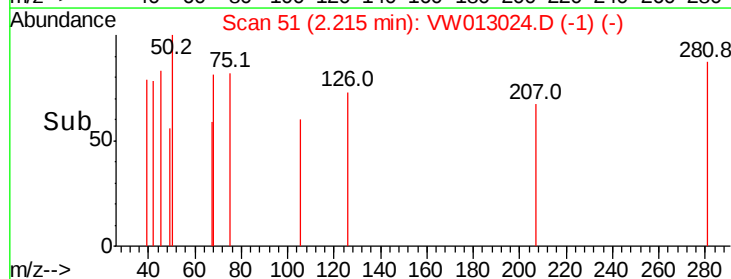
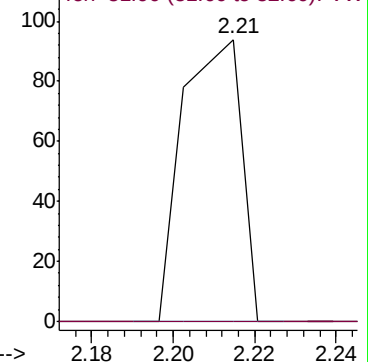
50 100

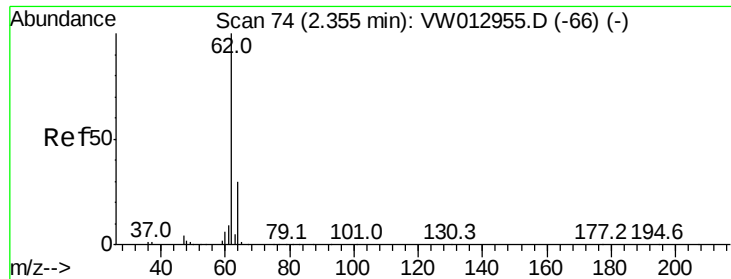
52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#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

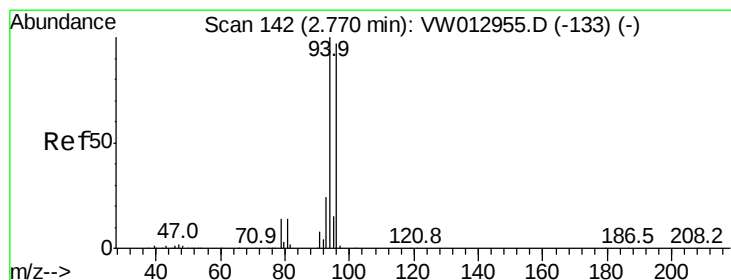
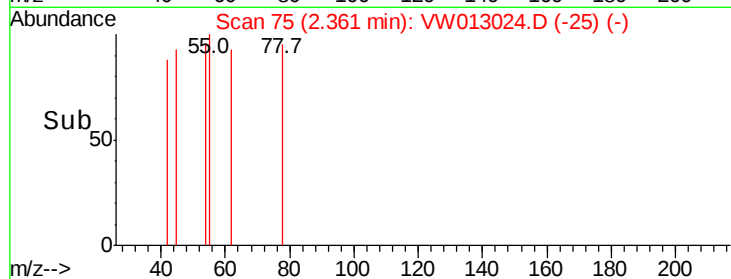
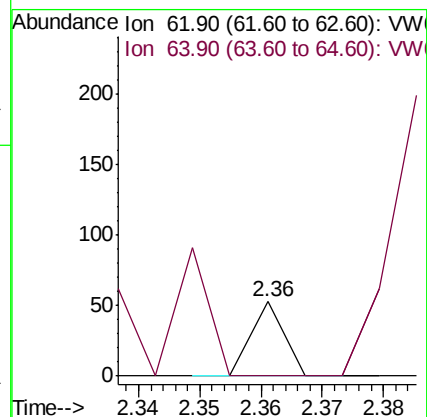
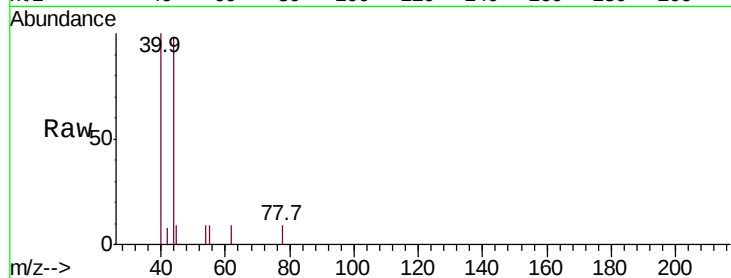
ClientSampled :

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

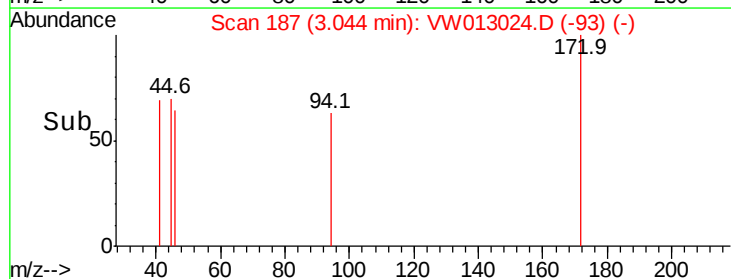
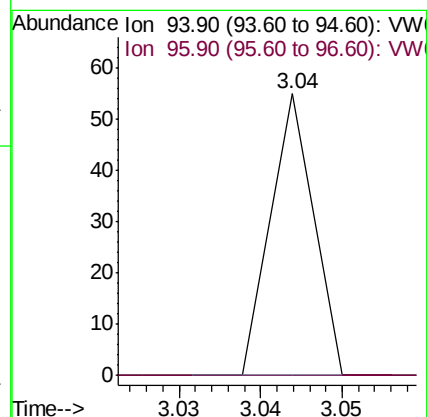
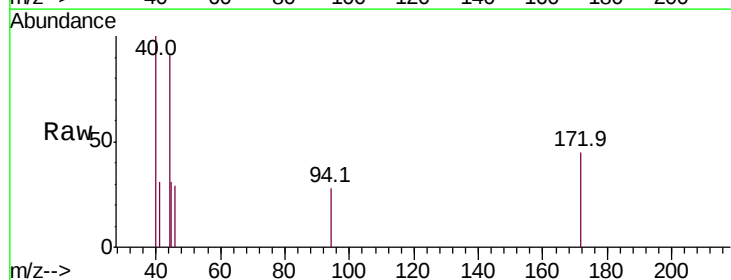
Acq: 15 Sep 2019 06:10

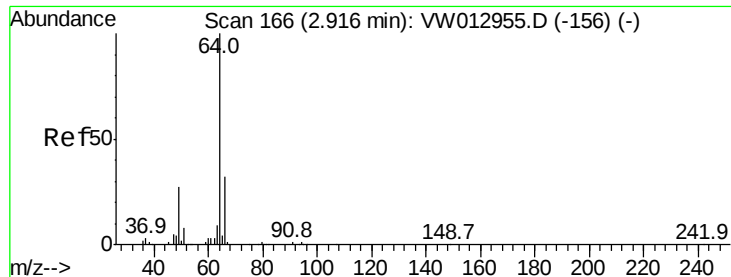
Tgt Ion: 94 Resp: 20

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

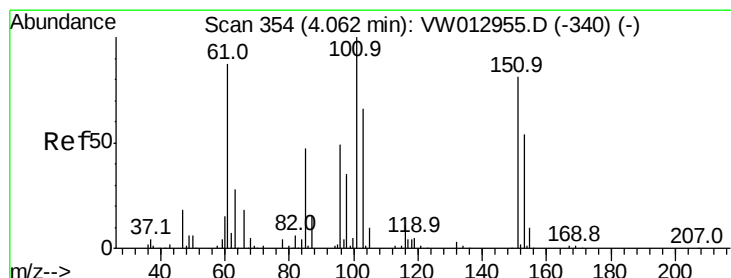
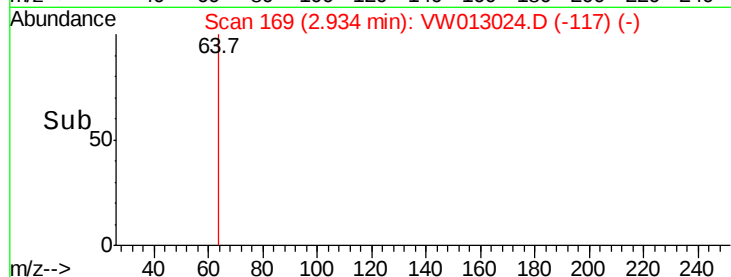
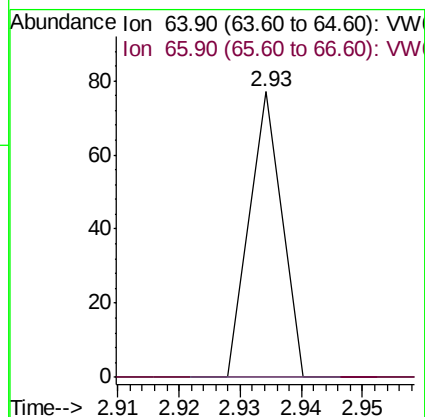
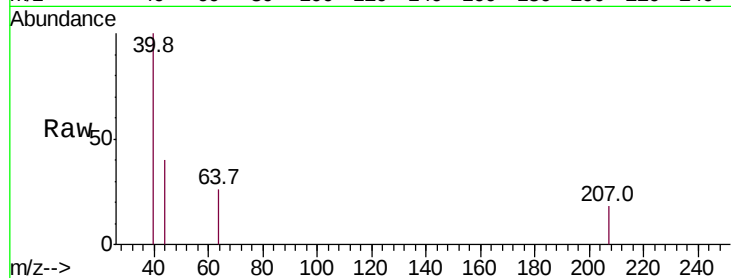
ClientSampleId :

Tot Ion: 64 Resp: 28

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



#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

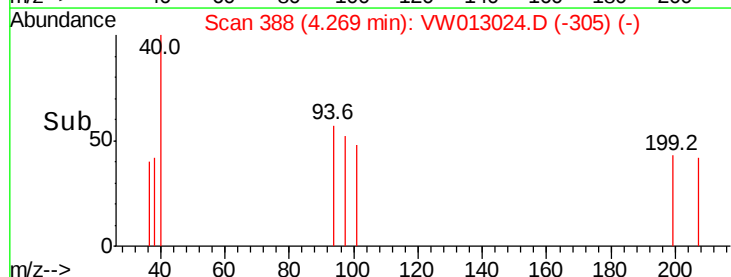
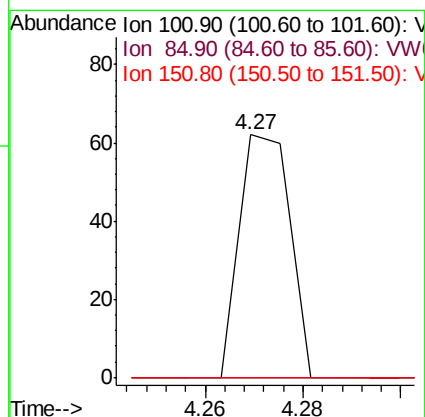
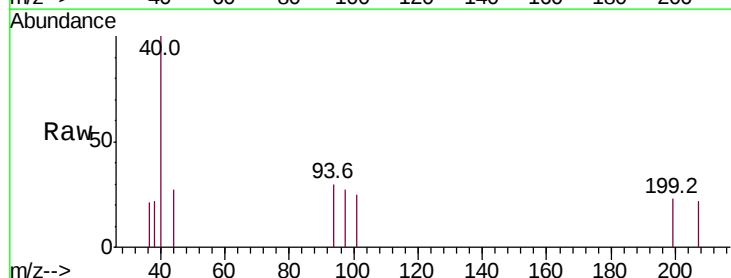
Tgt Ion: 101 Resp: 45

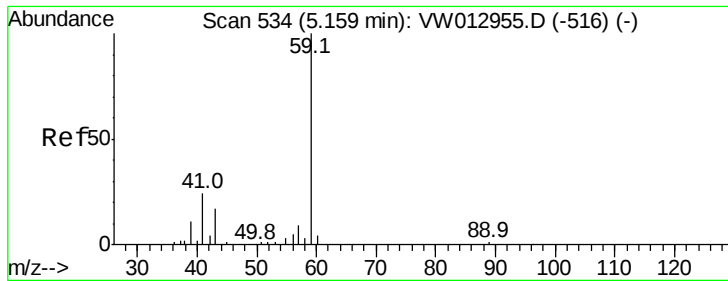
Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 66.0 99.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.25 min

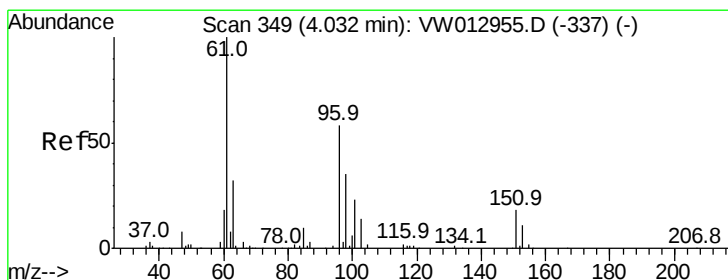
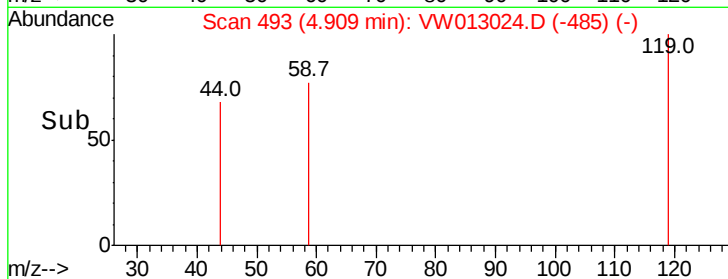
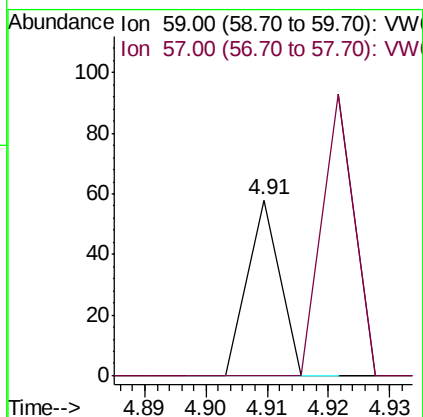
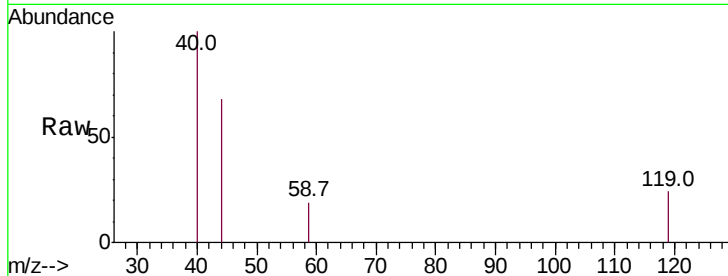
Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :
MSVOA_W
ClientSampled :

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

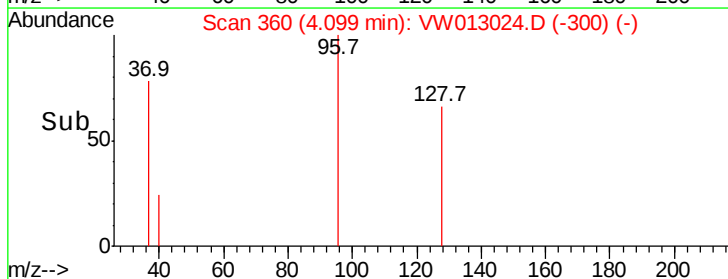
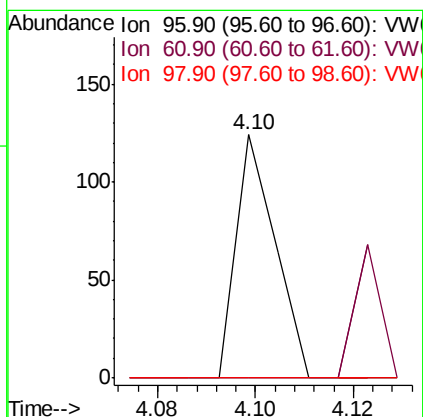
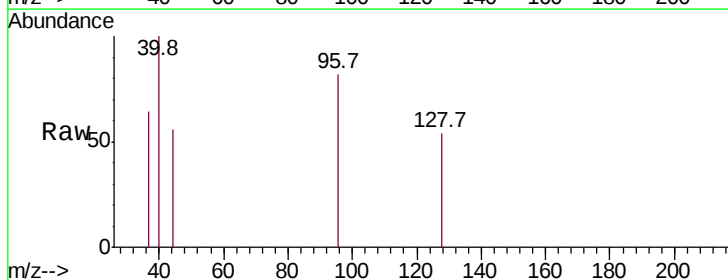
Delta R.T. 0.07 min

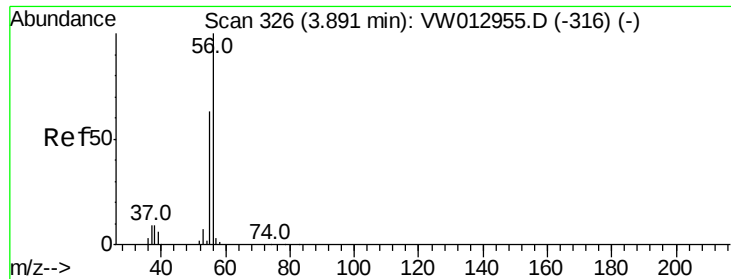
Lab File: VW013024.D

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

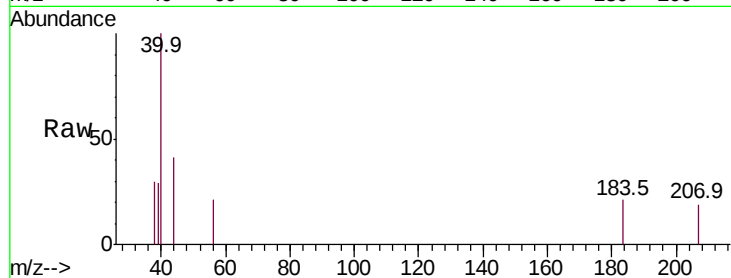
ClientSampleId :

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

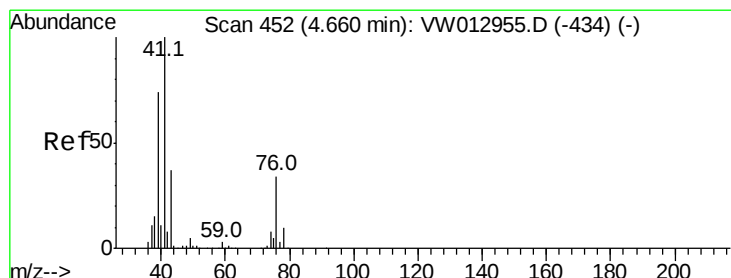
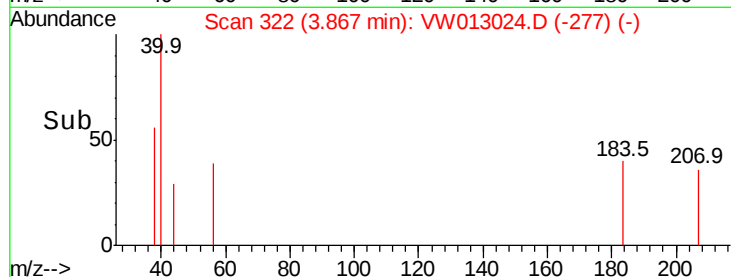
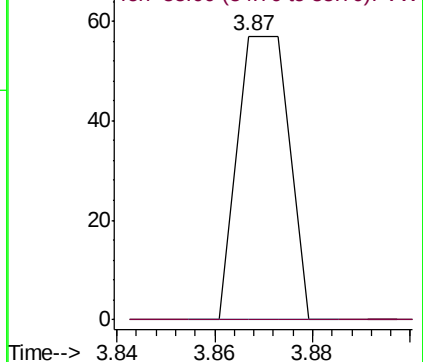
56 100

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



#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

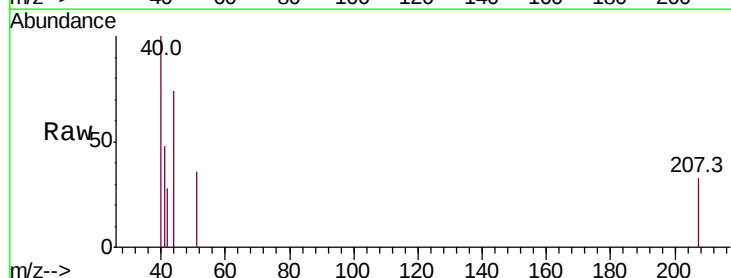
Tgt Ion: 41 Resp: 61

Ion Ratio Lower Upper

41 100

39 0.0 56.7 85.1#

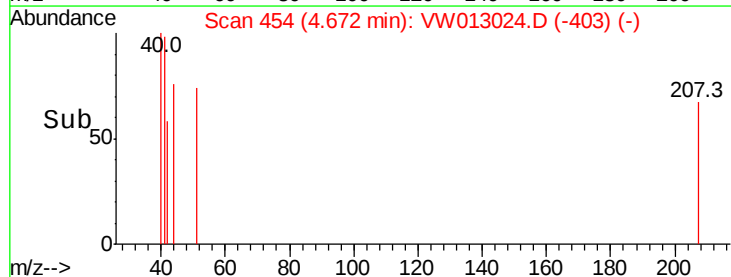
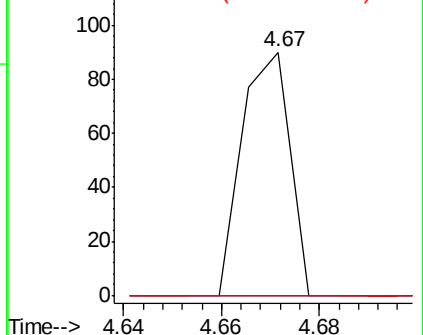
76 0.0 25.1 37.7#

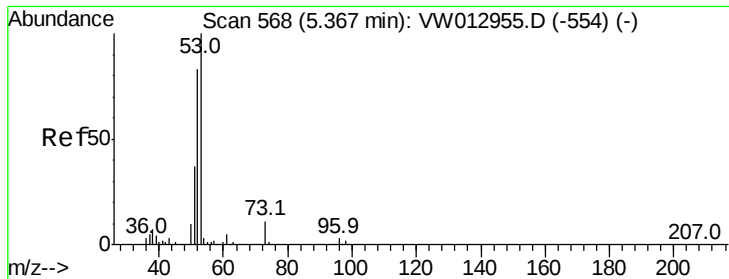


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#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 :

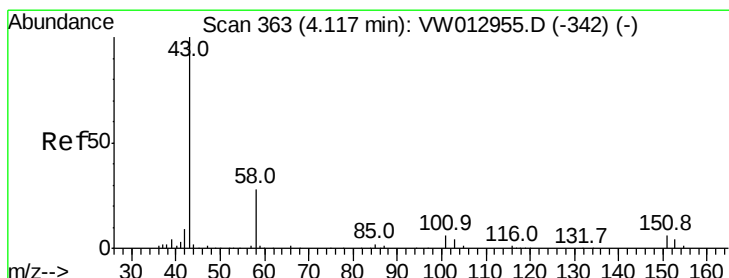
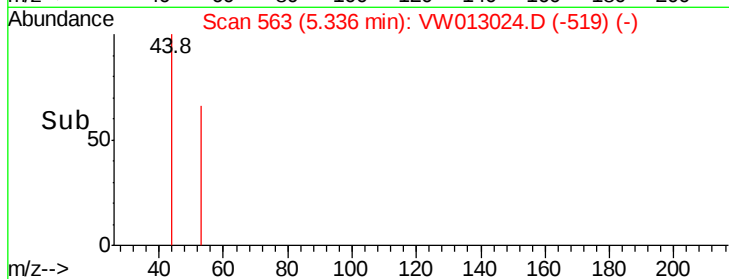
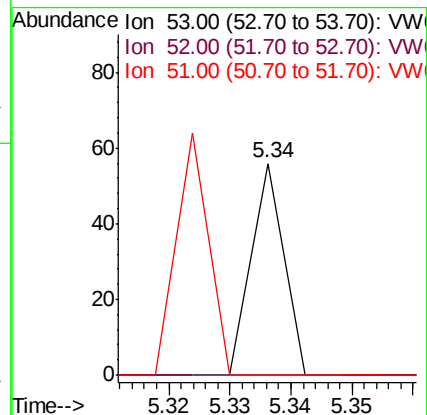
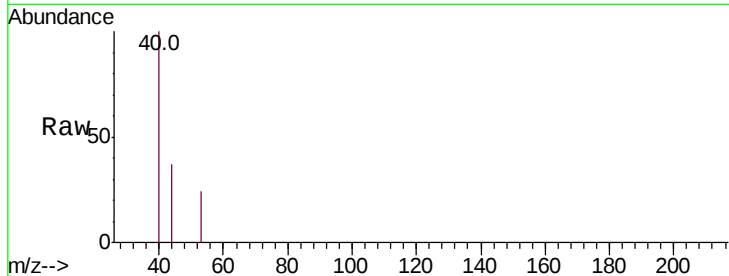
Tot Ion: 53 Resp: 20

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

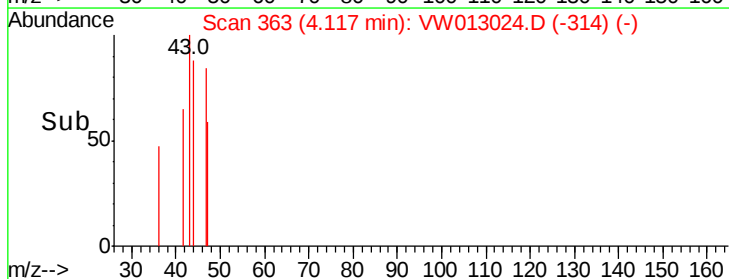
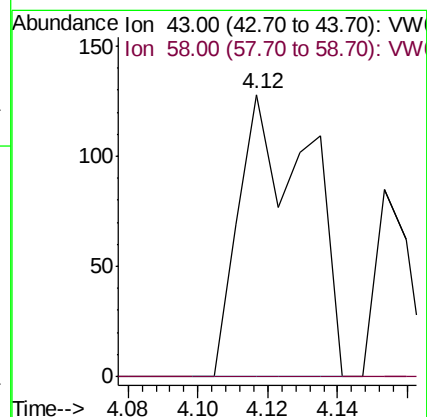
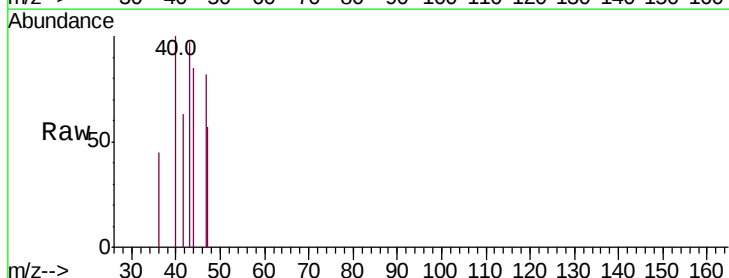
Acq: 15 Sep 2019 06:10

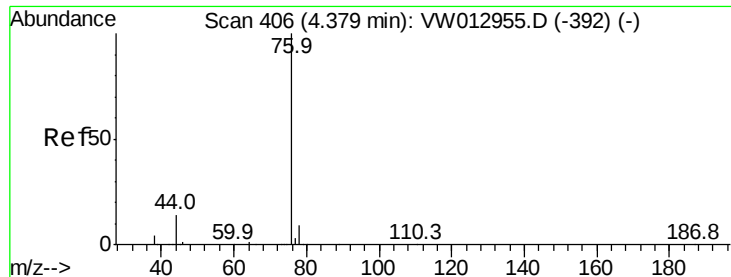
Tgt Ion: 43 Resp: 177

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#

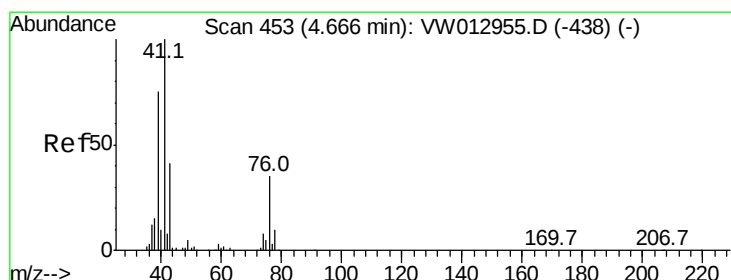
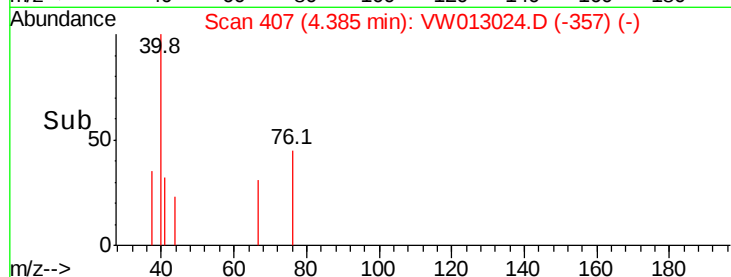
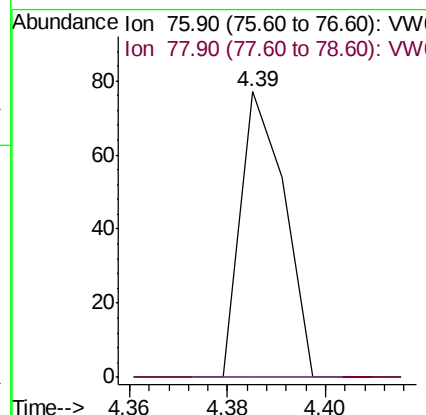
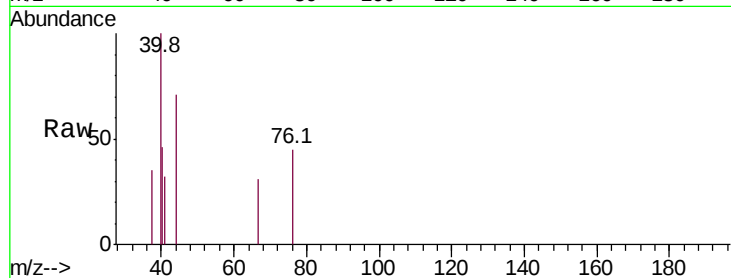




#17
Carbon Disulfide
Concen: 1.320 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

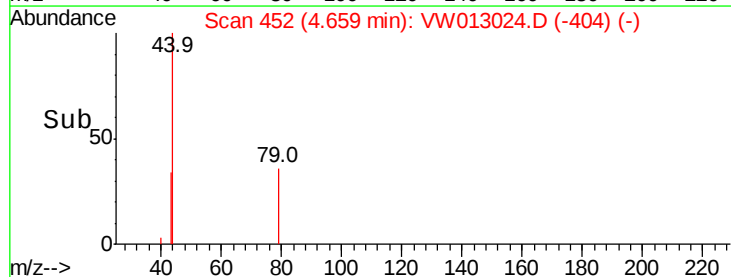
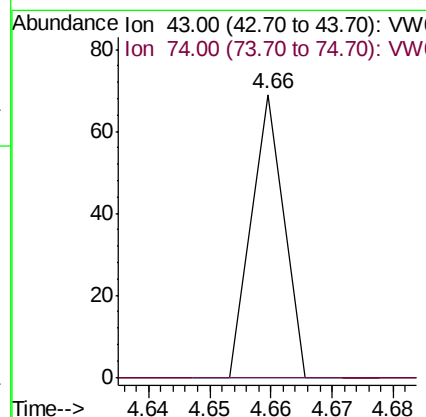
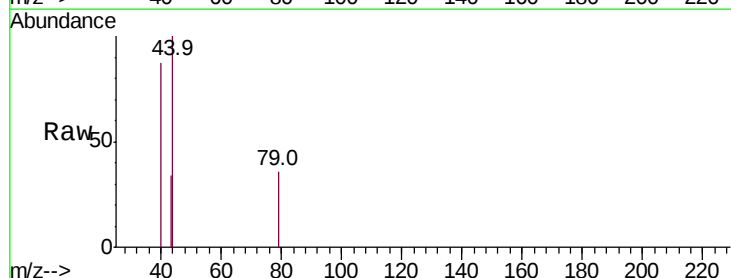
Instrument :
MSVOA_W
ClientSampleId :

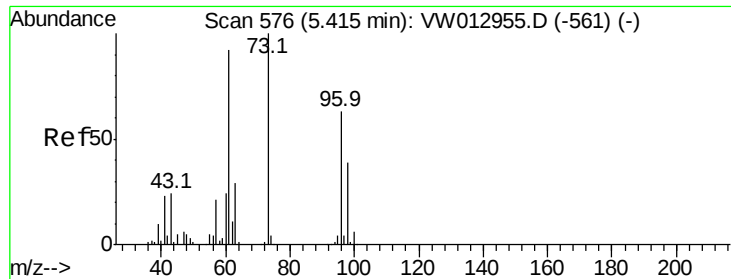
Tot Ion: 76 Resp: 48
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#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#

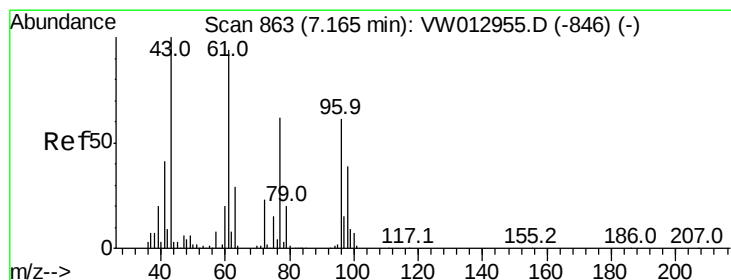
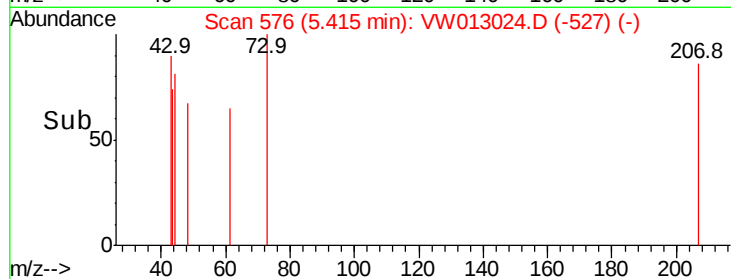
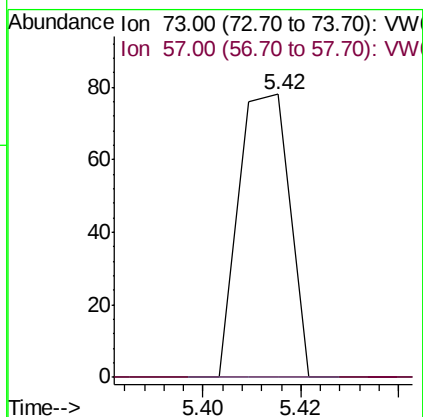
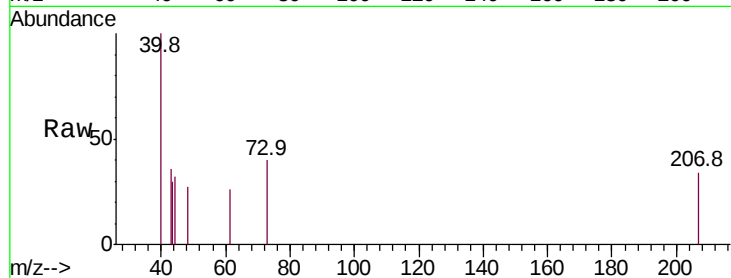




#19
Methvl tert-butvl Ether
Concen: 1.555 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

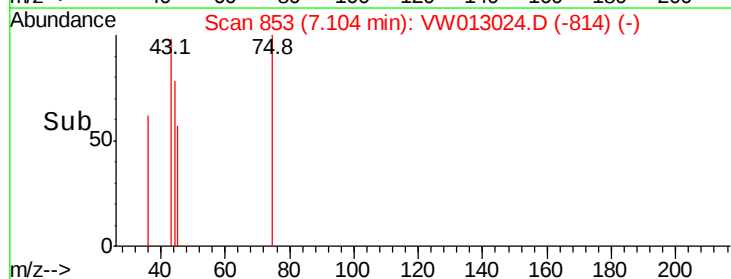
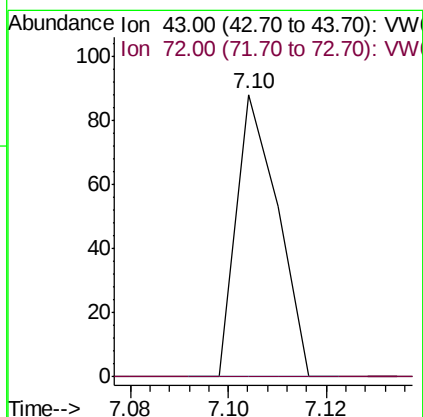
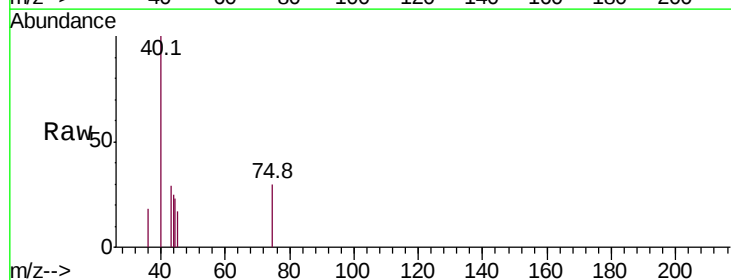
Instrument :
MSVOA_W
ClientSampled :

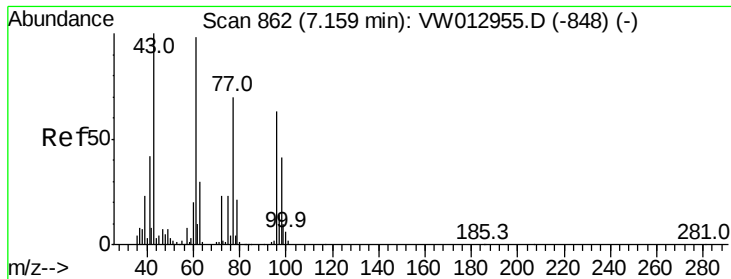
Tot Ion: 73 Resp: 56
Ion Ratio Lower Upper
73 100
57 0.0 16.4 24.6#



#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

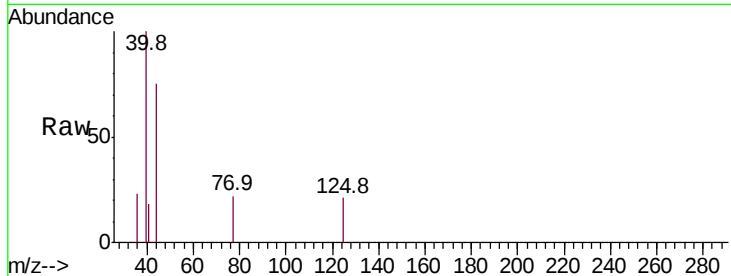
ClientSampled :

Tot Ion: 77 Resp: 24

Ion Ratio Lower Upper

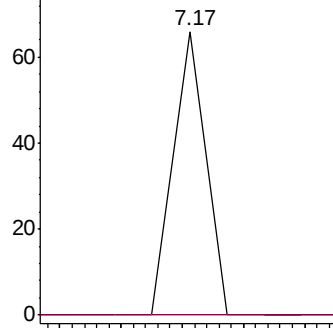
77 100

97 0.0 10.7 32.1#

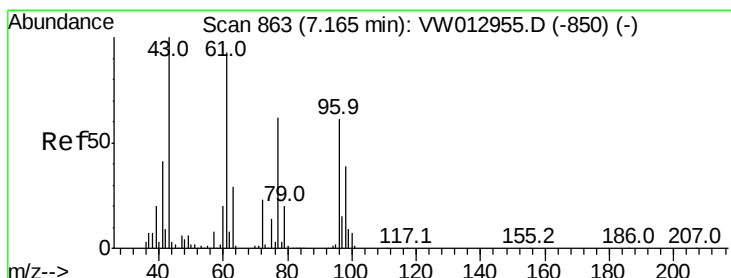
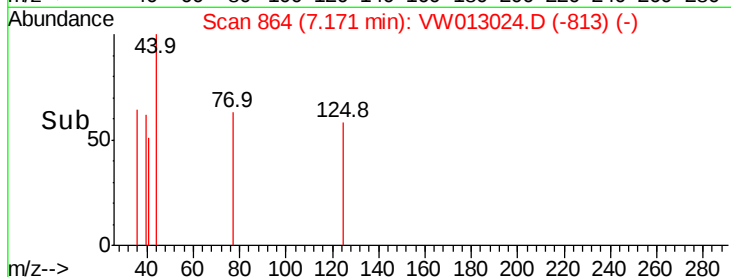


Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time--> 7.15 7.16 7.17 7.18 7.19



#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

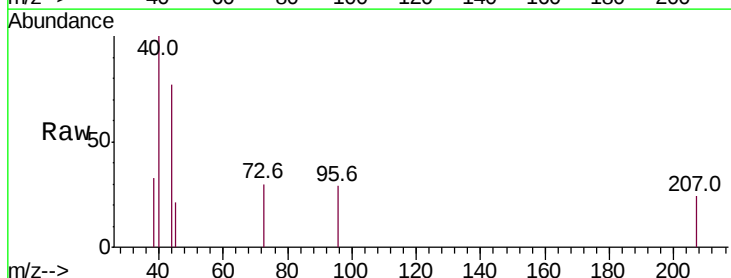
Tgt Ion: 96 Resp: 27

Ion Ratio Lower Upper

96 100

61 0.0 0.0 315.4

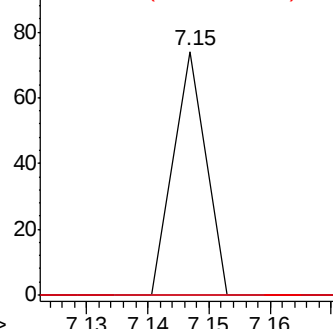
98 0.0 0.0 131.0



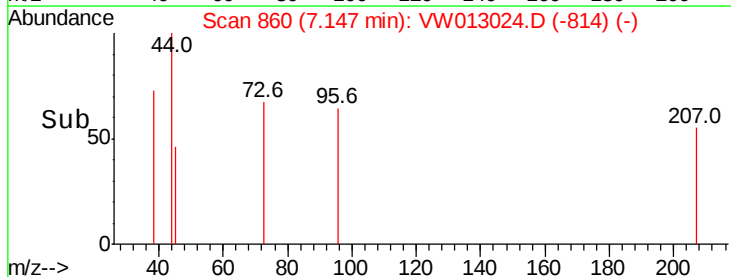
Abundance Ion 95.90 (95.60 to 96.60): VW

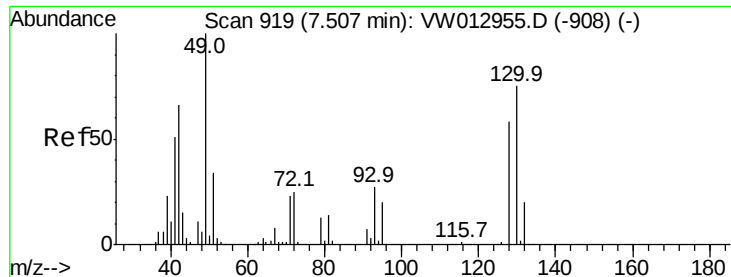
Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



Time--> 7.13 7.14 7.15 7.16





#28

Bromochloromethane

Concen: 1.317 ug/l

RT: 7.59 min Scan# 932

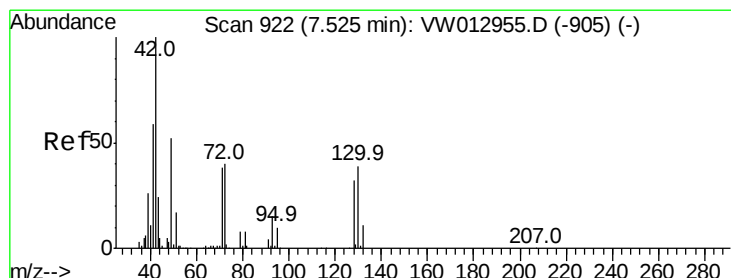
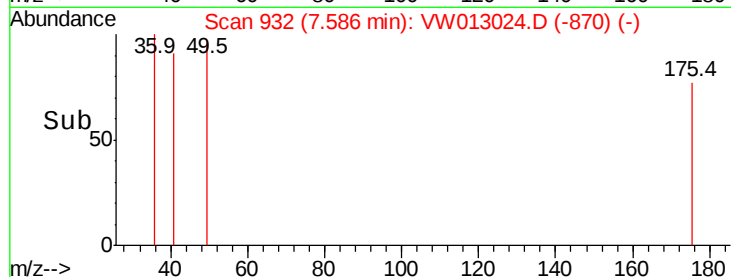
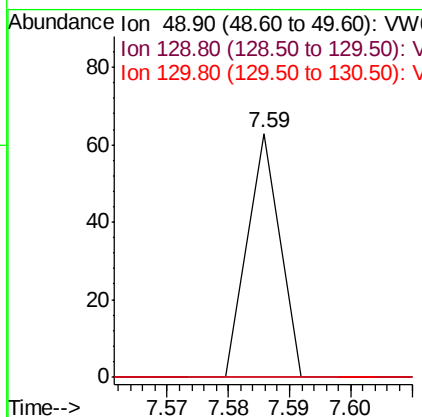
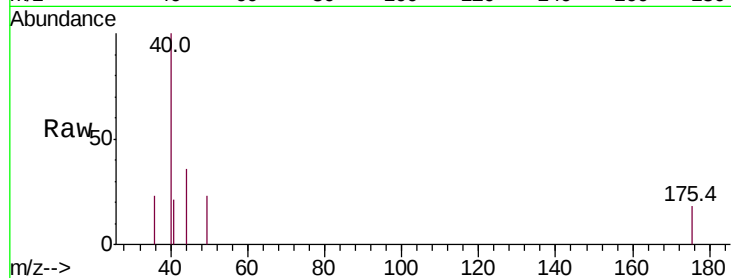
Delta R.T. 0.08 min

Lab File: VW013024.D

Acq: 15 Sep 2019 06:10

Instrument :
MSVOA_W
ClientSampleId :

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#



#29

Tetrahydrofuran

Concen: 7.236 ug/l

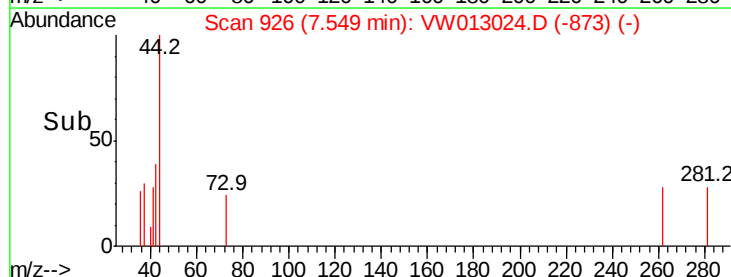
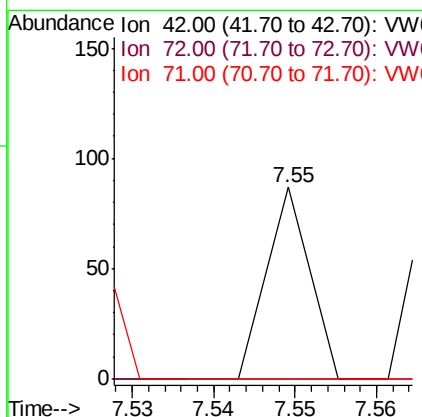
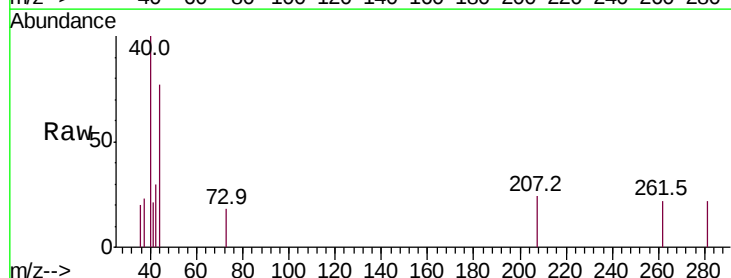
RT: 7.55 min Scan# 926

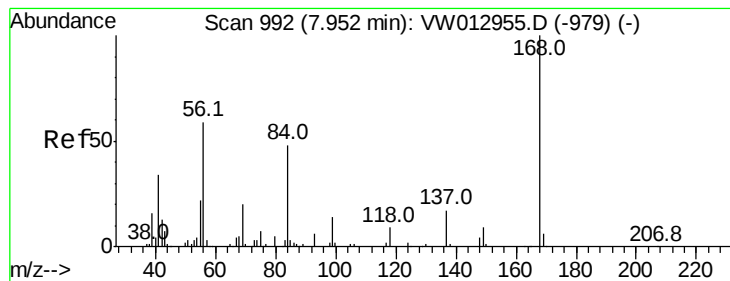
Delta R.T. 0.02 min

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#





#31

Cvclohexane

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
ClientSampled :

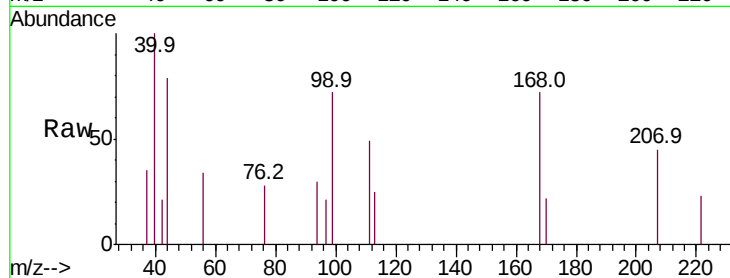
Tot Ion: 56 Resp: 31

Ion Ratio Lower Upper

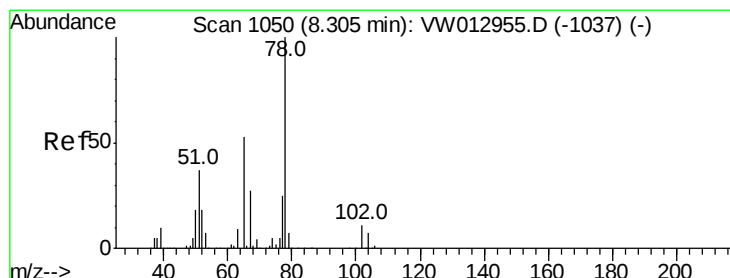
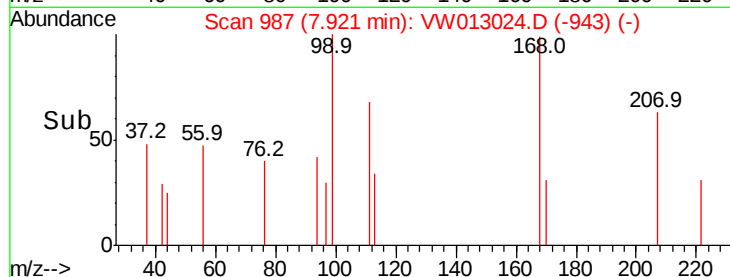
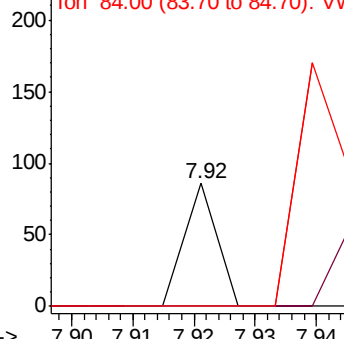
56 100

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

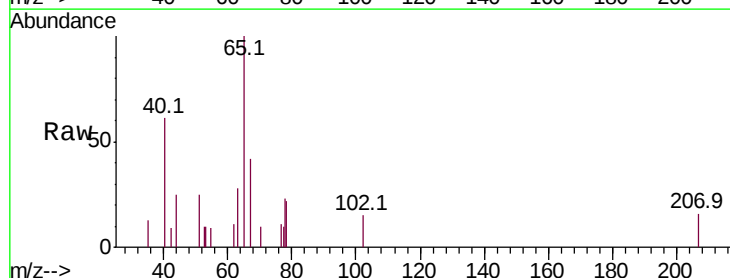
Acq: 15 Sep 2019 06:10

Tgt Ion: 65 Resp: 1500

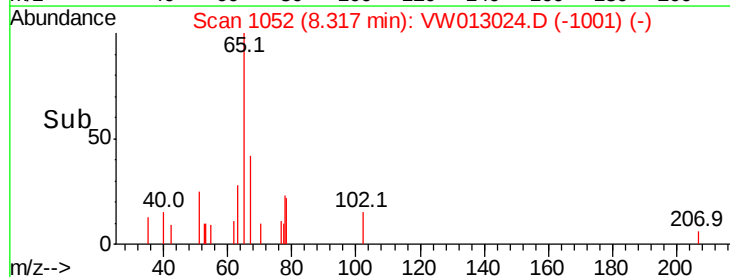
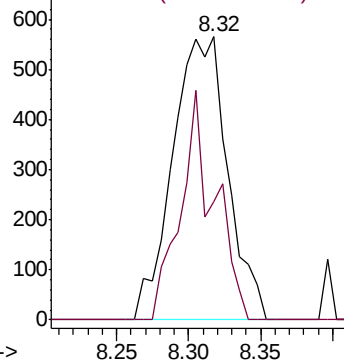
Ion Ratio Lower Upper

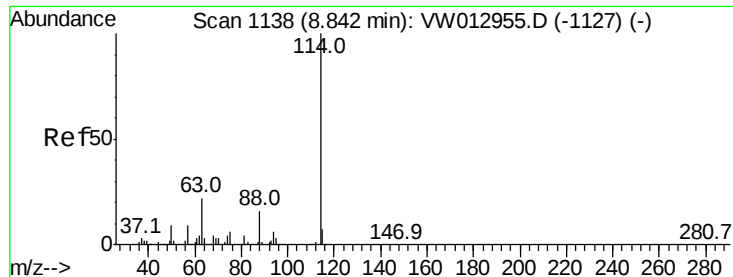
65 100

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

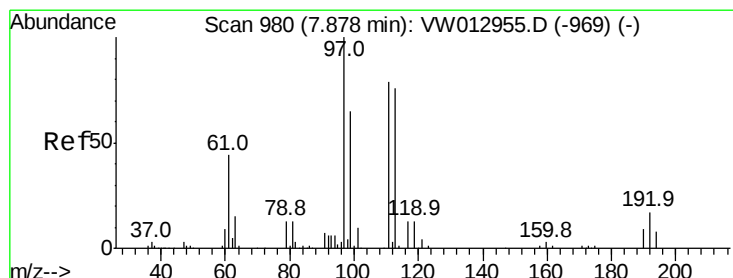
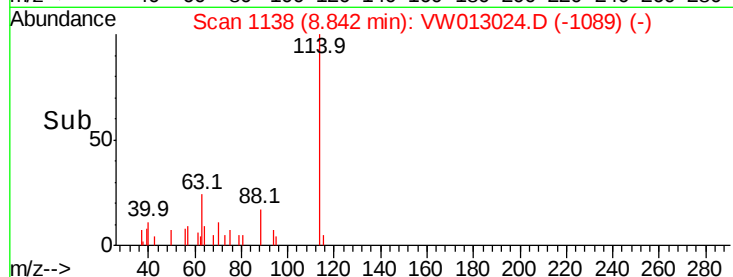
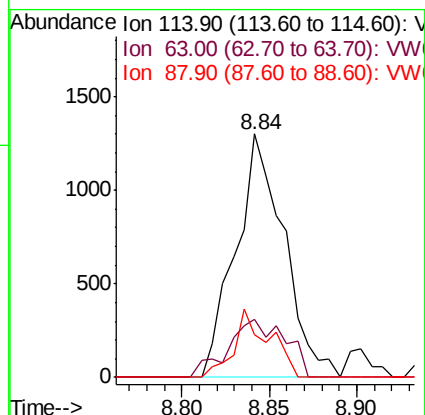
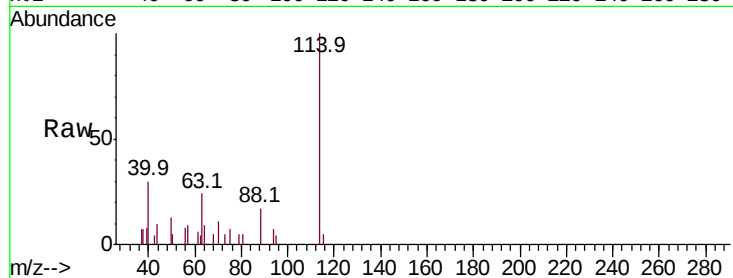




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

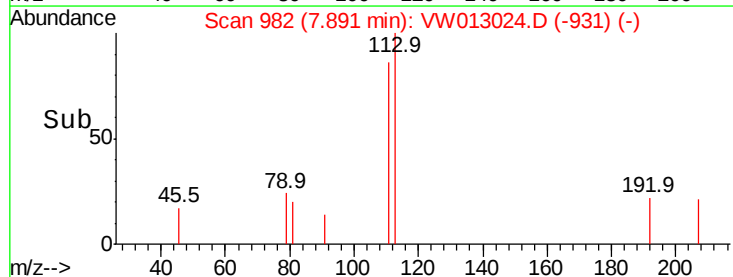
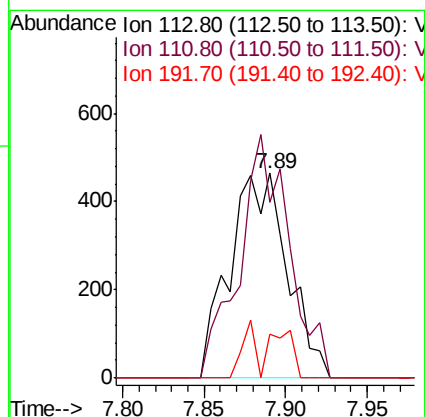
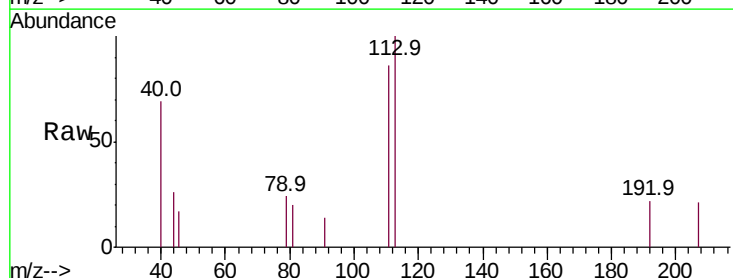
Instrument :
 MSVOA_W
 ClientSampleId :

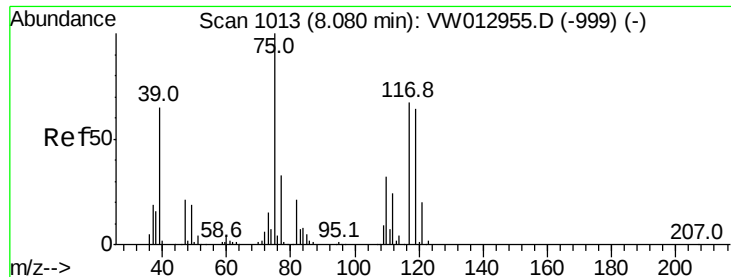
Tot Ion:114 Resp: 2500
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 43.4
 88 17.4 0.0 31.6



#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

ClientSampled :

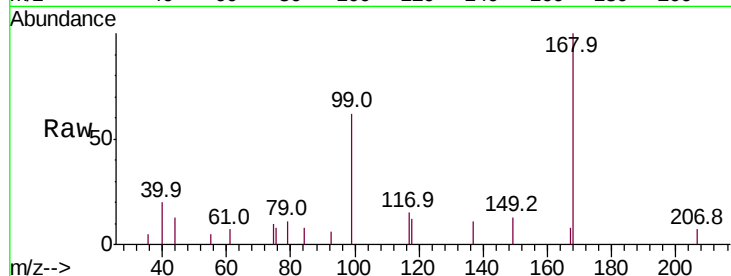
Tot Ion: 75 Resp: 122

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

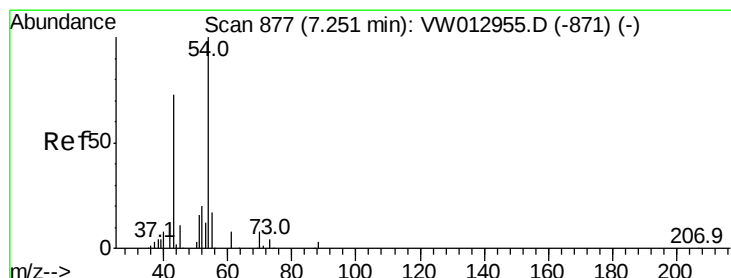
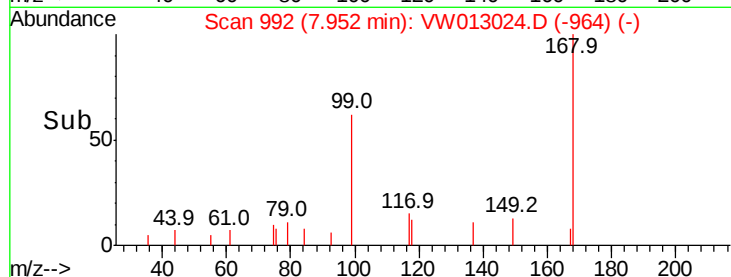
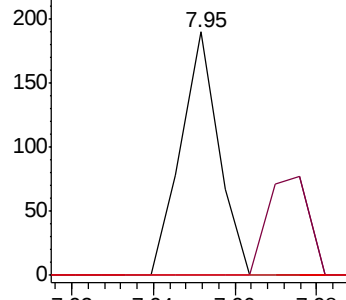
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 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

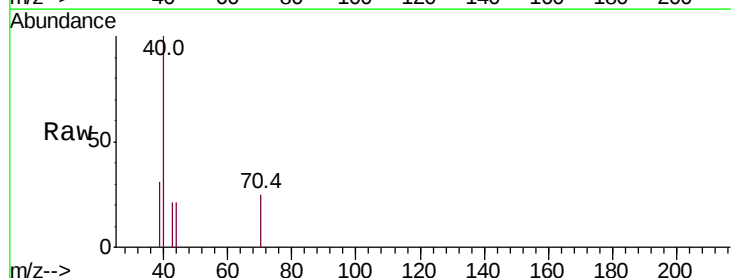
Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

61 0.0 9.6 14.4#

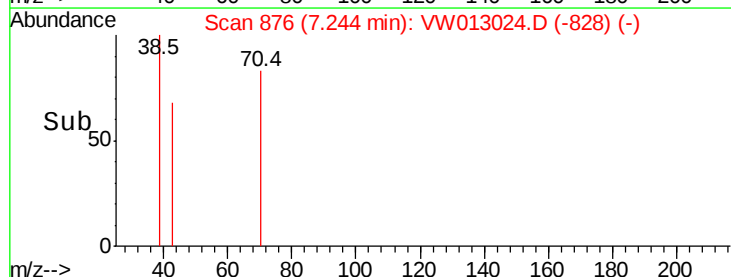
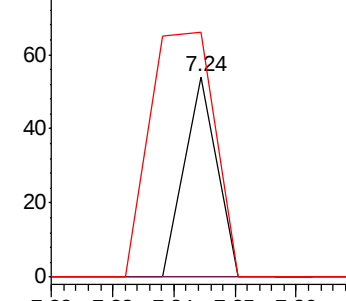
70 240.0 7.6 11.4#

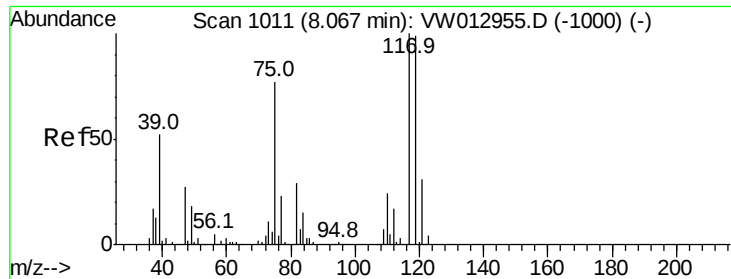


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 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 :

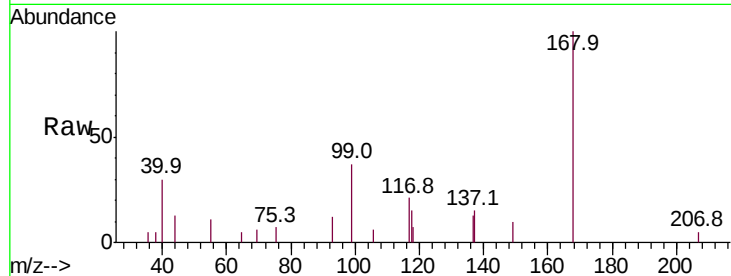
Tot Ion:117 Resp: 264

Ion Ratio Lower Upper

117 100

119 0.0 79.4 119.0#

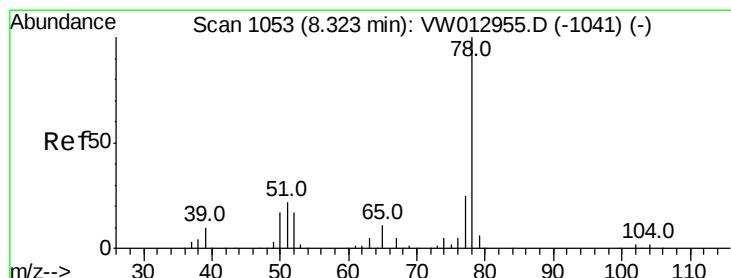
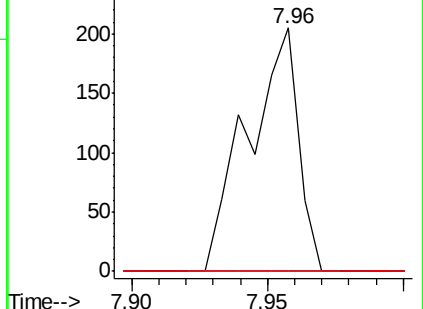
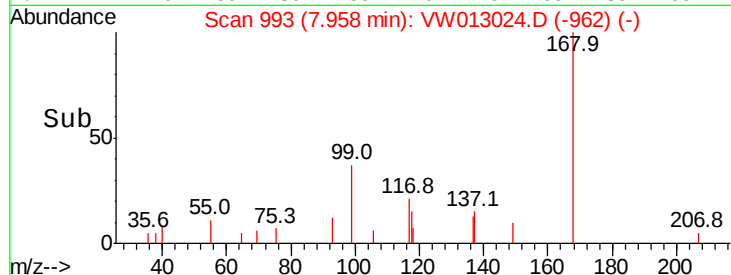
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 10.095 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW013024.D

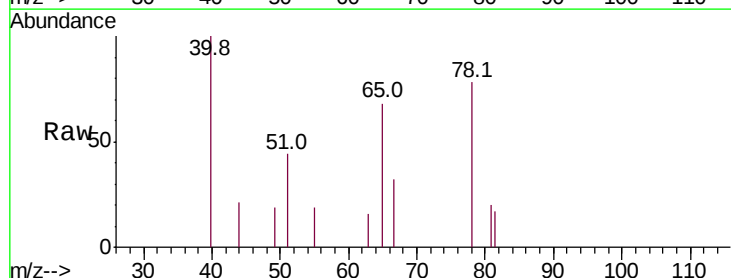
Acq: 15 Sep 2019 06:10

Tgt Ion: 78 Resp: 563

Ion Ratio Lower Upper

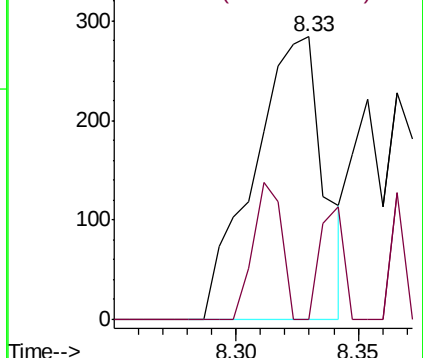
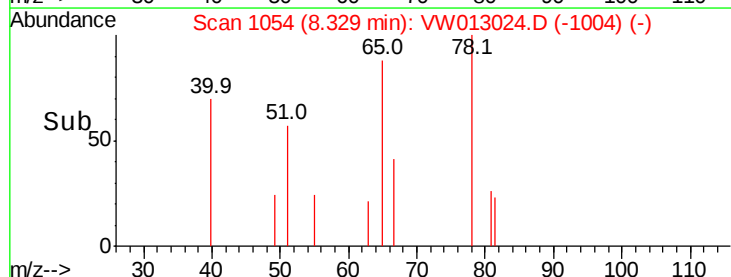
78 100

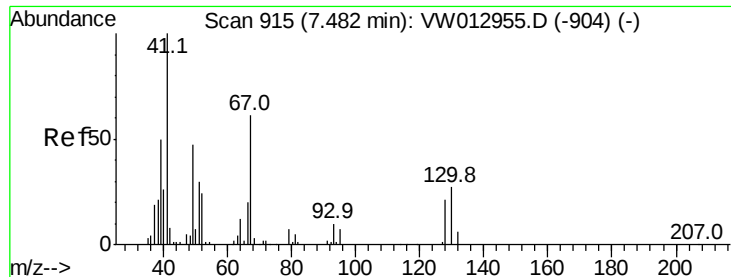
77 0.0 19.6 29.4#



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

ClientSampleId :

Tot Ion: 41 Resp: 39

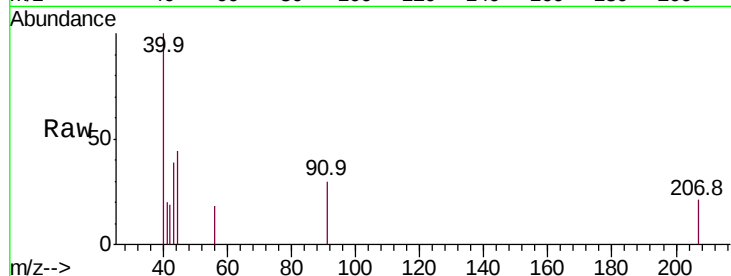
Ion Ratio Lower Upper

41 100

39 51.3 48.2 72.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.4#

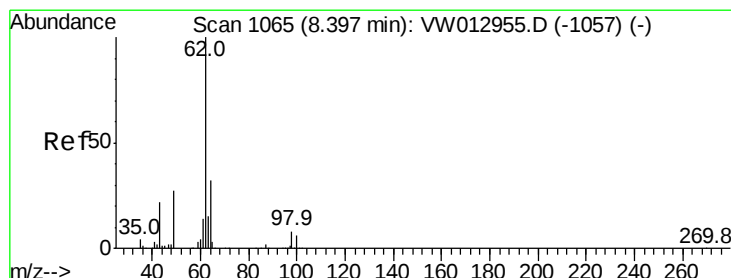
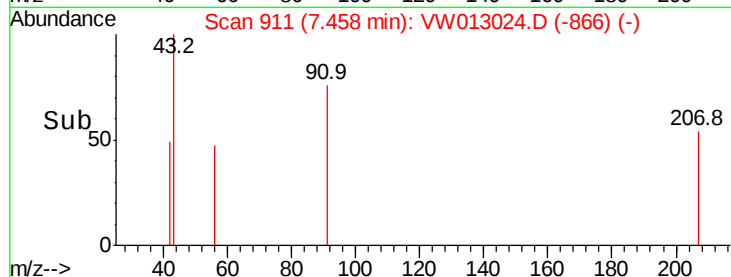
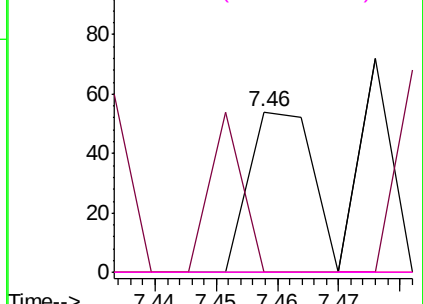


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#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

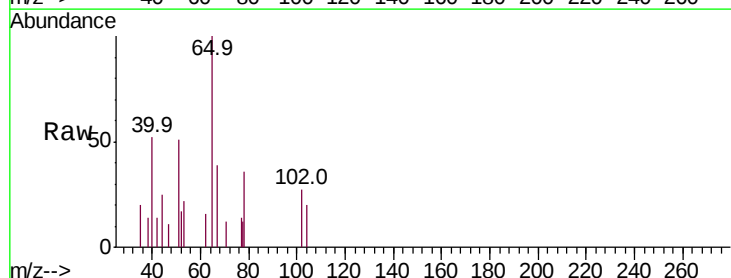
Acq: 15 Sep 2019 06:10

Tgt Ion: 62 Resp: 73

Ion Ratio Lower Upper

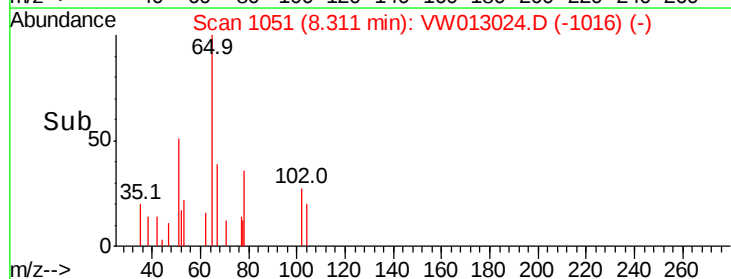
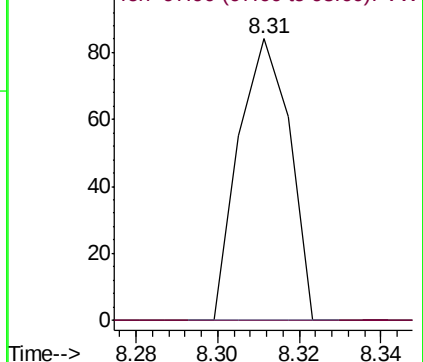
62 100

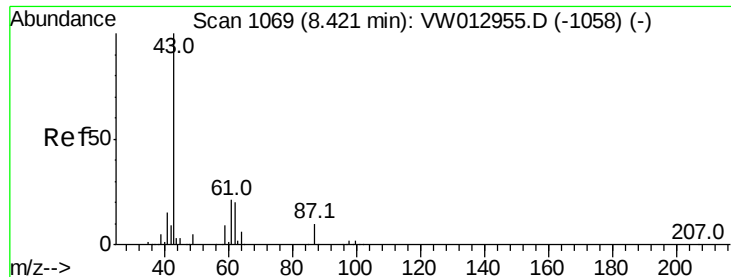
98 0.0 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#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

ClientSampleId :

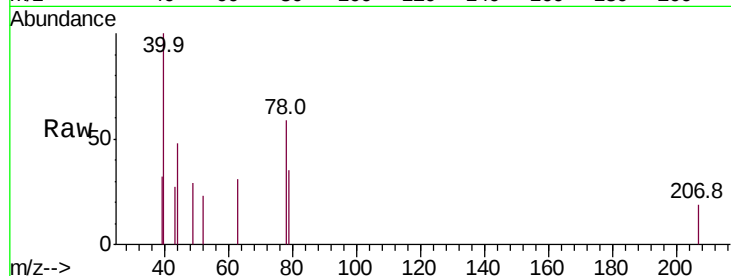
Tot Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

61 32.8 22.7 34.1

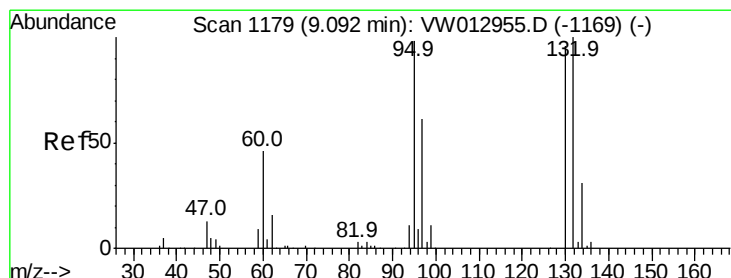
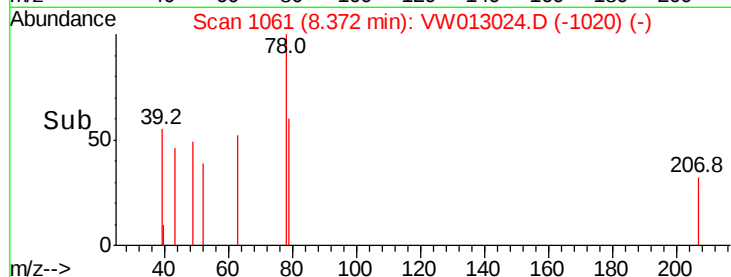
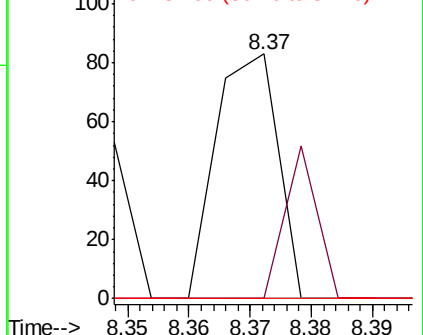
87 0.0 9.4 14.2#



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

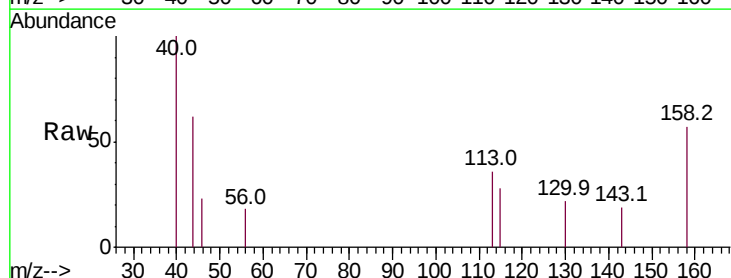
Acq: 15 Sep 2019 06:10

Tgt Ion: 130 Resp: 45

Ion Ratio Lower Upper

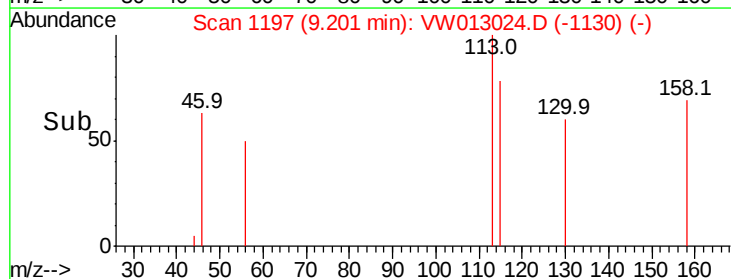
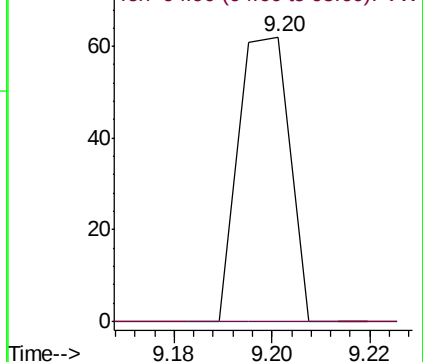
130 100

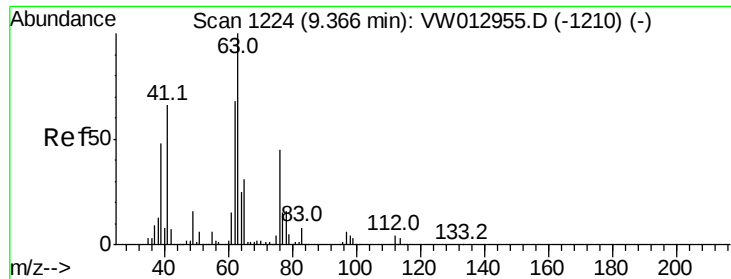
95 0.0 0.0 204.4



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

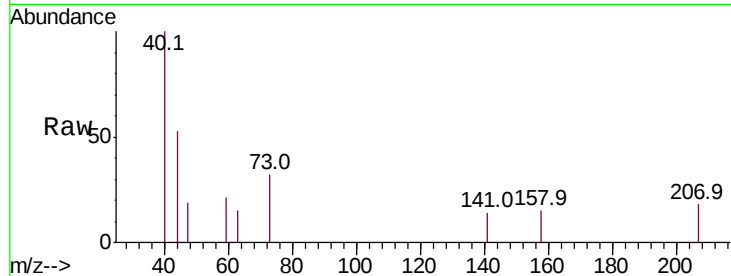
ClientSampleId :

Tot Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.16

60

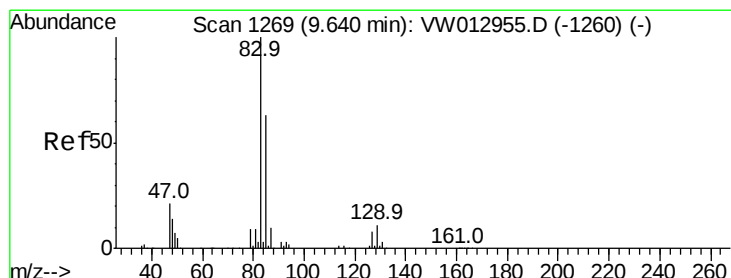
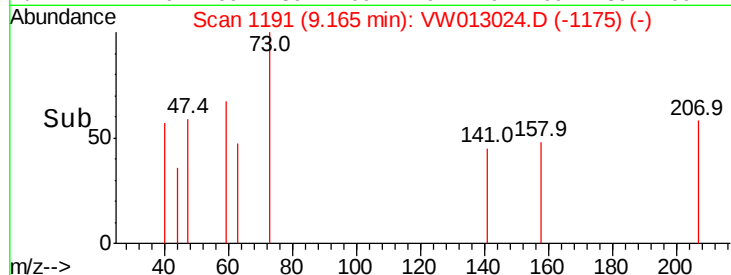
40

20

0

9.15 9.16 9.17 9.18

Time-->



#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

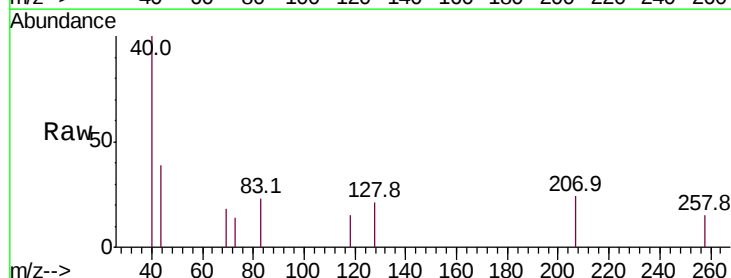
Tgt Ion: 83 Resp: 51

Ion Ratio Lower Upper

83 100

85 0.0 50.6 75.8#

127 0.0 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

100

80

60

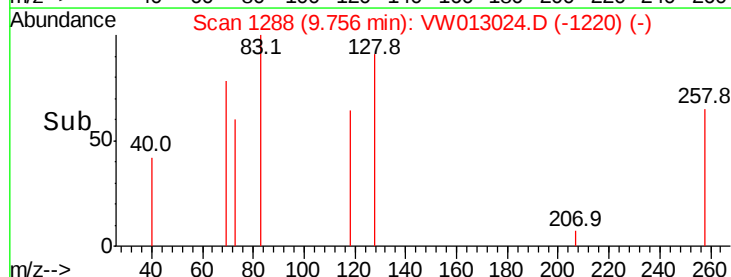
40

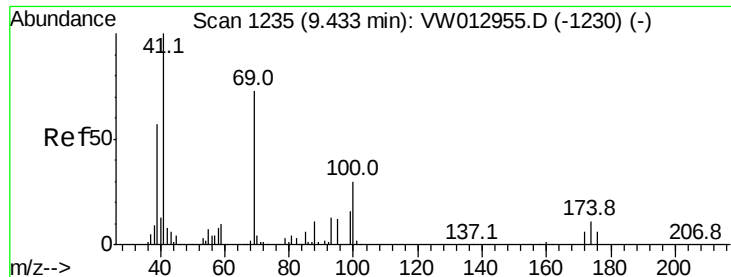
20

0

9.74 9.76

Time-->

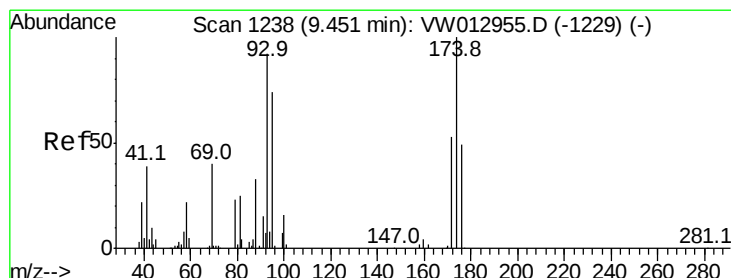
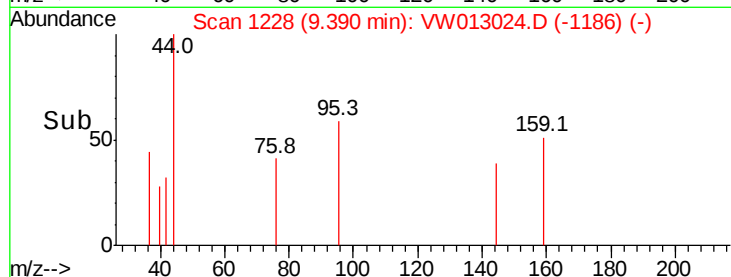
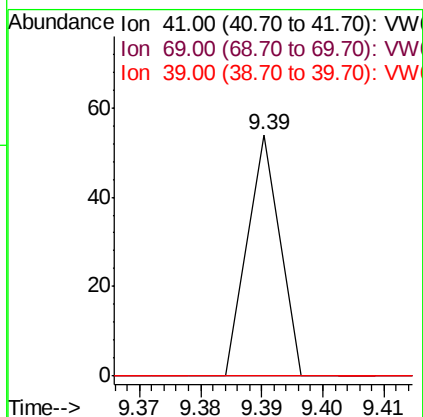
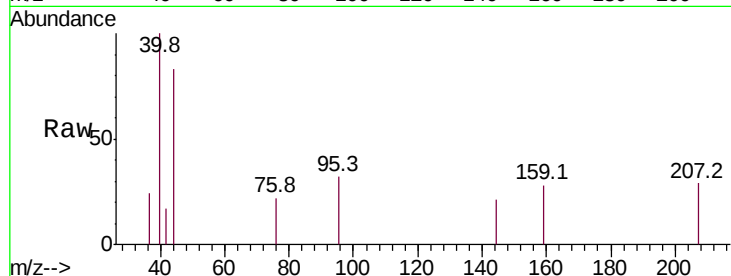




#48
Methvl methacrylate
Concen: 2.093 ug/l
RT: 9.39 min Scan# 1228
Delta R.T. -0.04 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

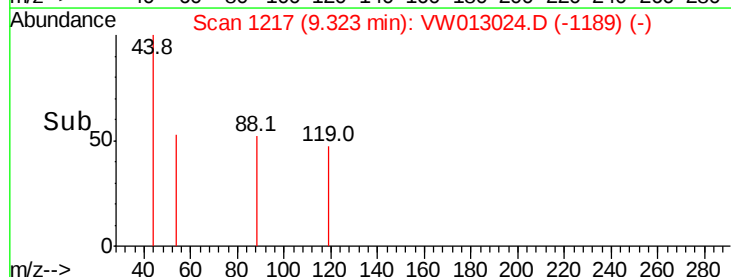
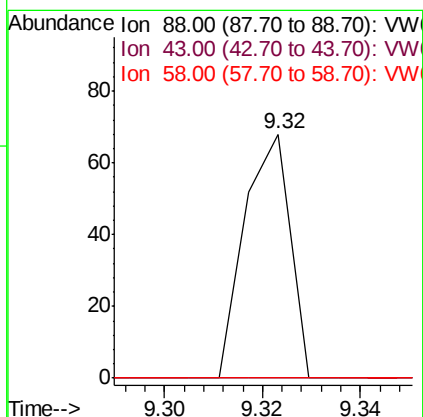
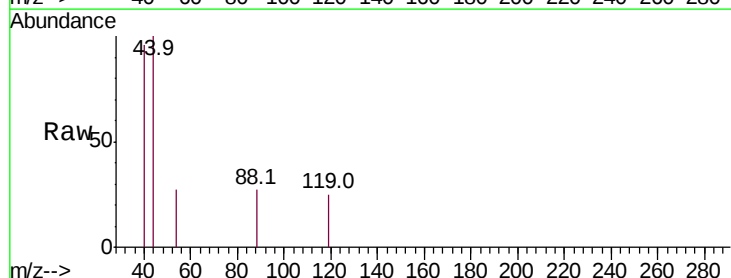
Instrument :
MSVOA_W
ClientSampled :

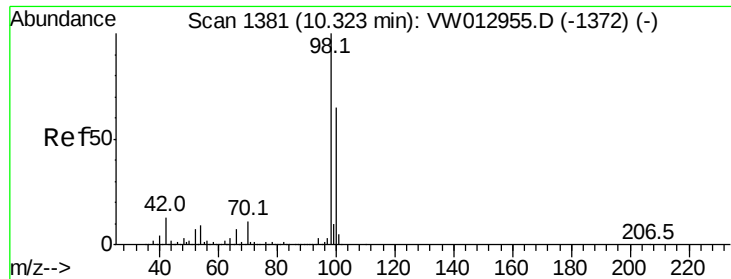
Tot Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
69 0.0 62.8 94.2#
39 0.0 48.5 72.7#



#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: 88 Resp: 44
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

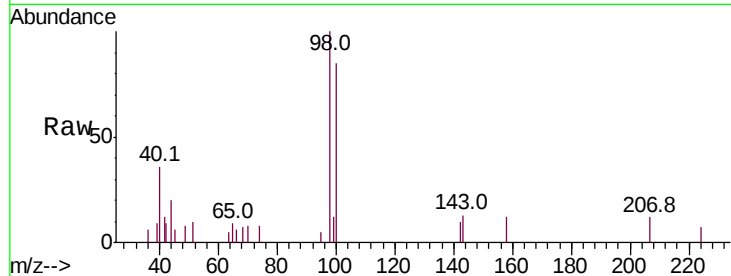
ClientSampled :

Tot Ion: 98 Resp: 2118

Ion Ratio Lower Upper

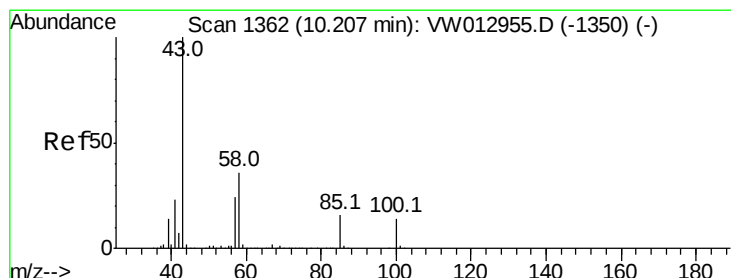
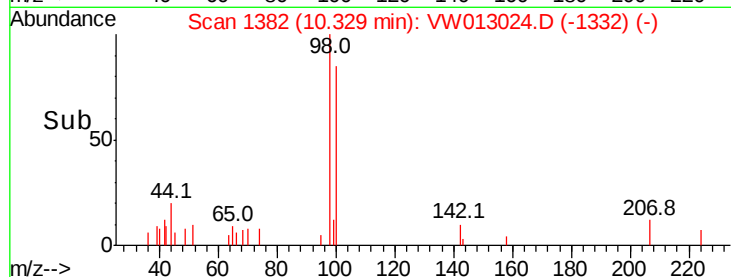
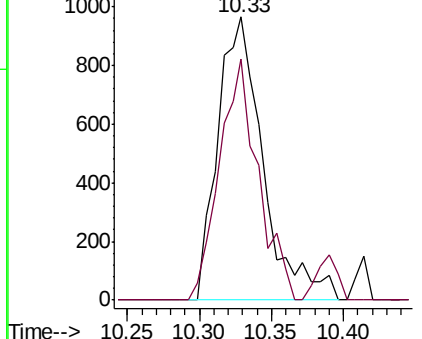
98 100

100 72.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#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

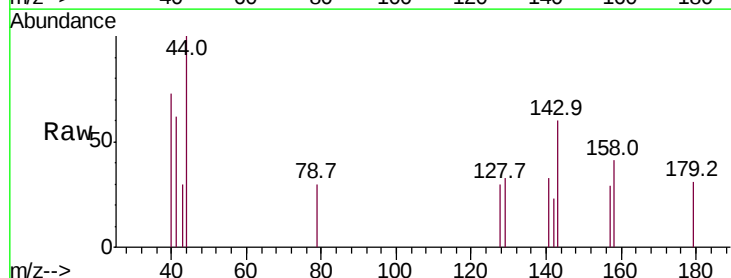
Acq: 15 Sep 2019 06:10

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

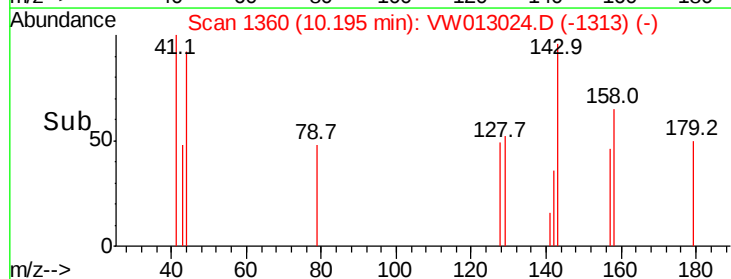
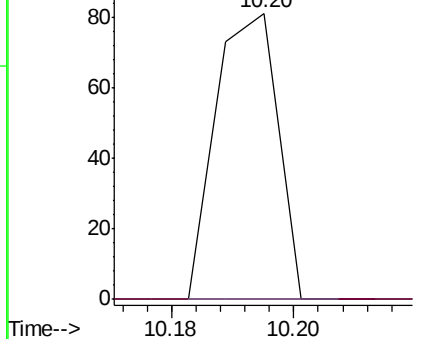
43 100

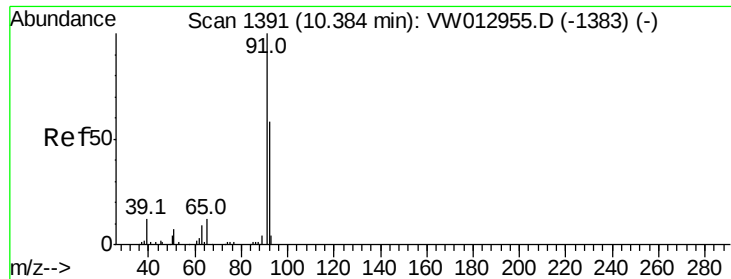
58 0.0 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#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

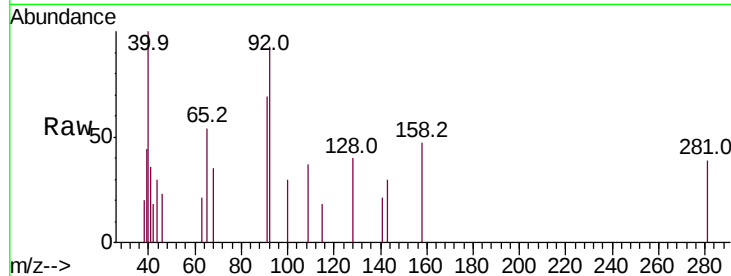
ClientSampled :

Tot Ion: 92 Resp: 401

Ion Ratio Lower Upper

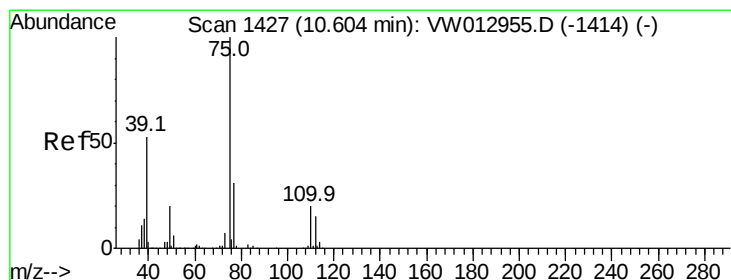
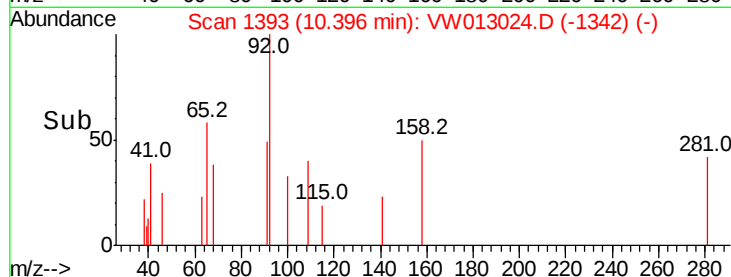
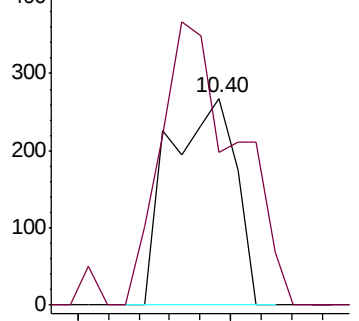
92 100

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

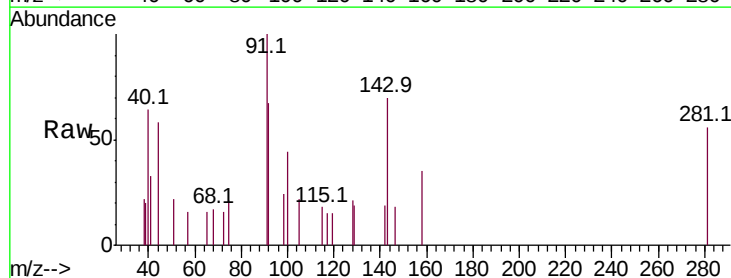
Acq: 15 Sep 2019 06:10

Tgt Ion: 75 Resp: 27

Ion Ratio Lower Upper

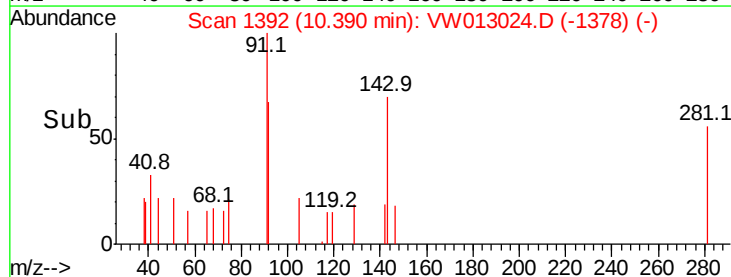
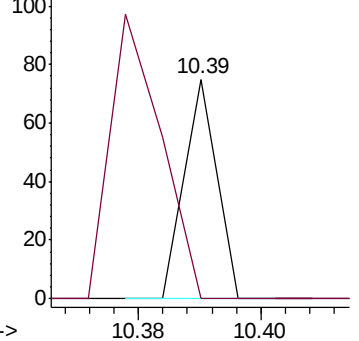
75 100

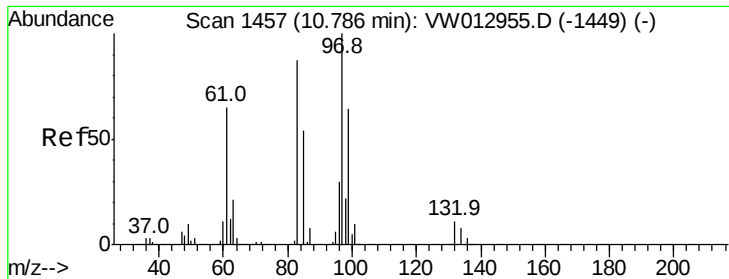
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

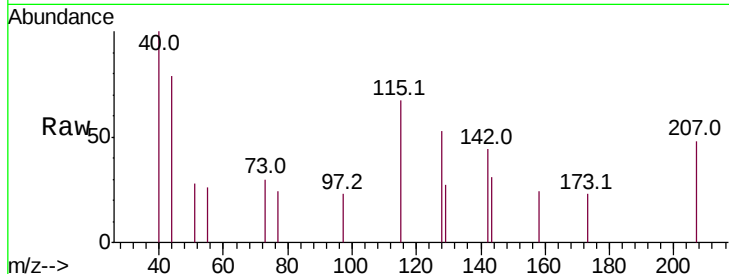




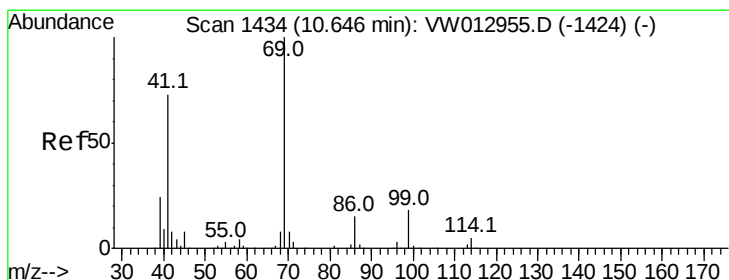
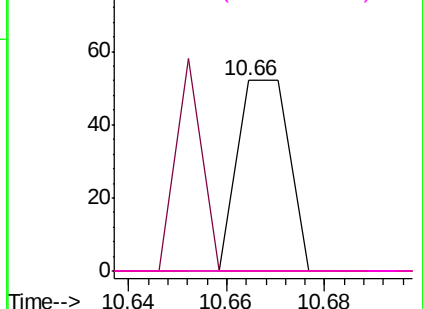
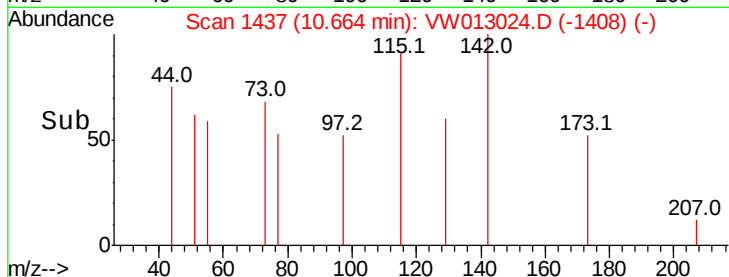
#55
 1,1,2-Trichloroethane
 Concen: 3.514 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. -0.12 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

Instrument :
 MSVOA_W
 ClientSampleId :

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#

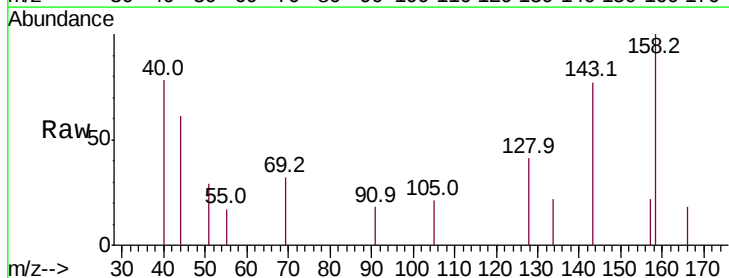


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

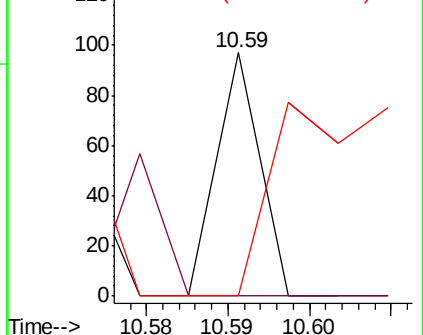
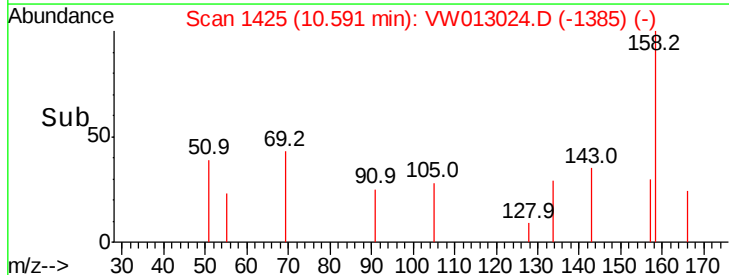


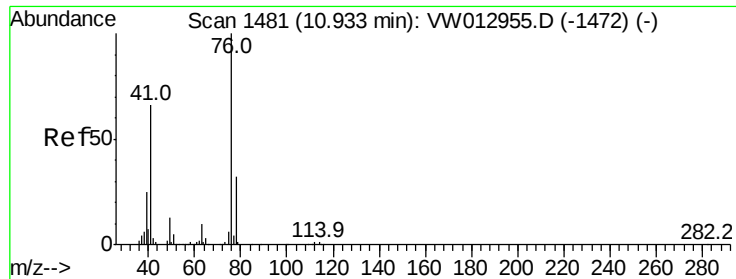
#56
 Ethyl methacrylate
 Concen: 2.473 ug/l
 RT: 10.59 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

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

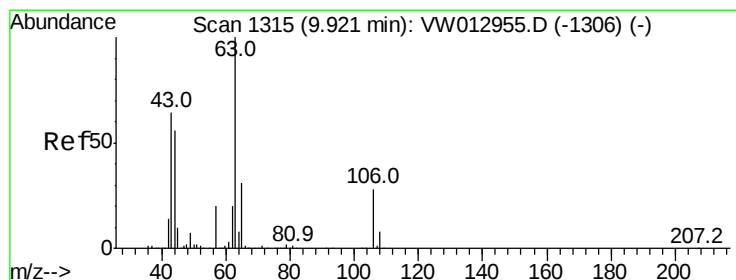
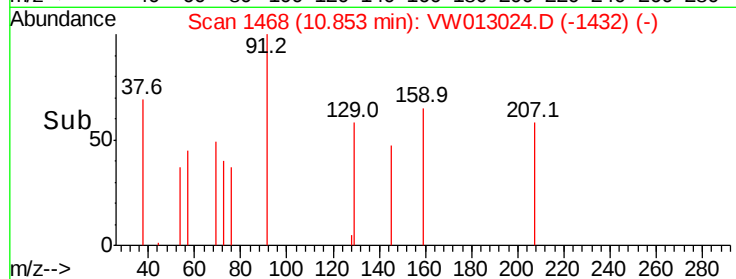
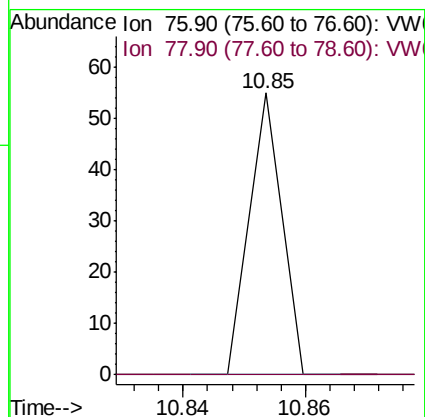
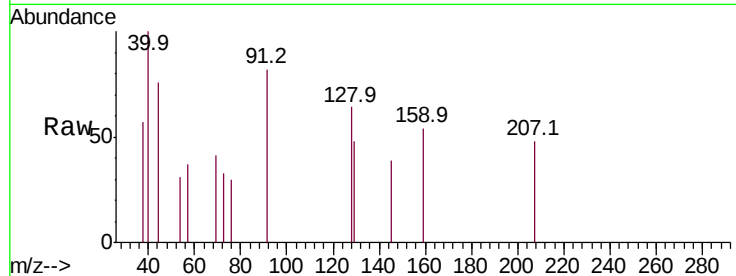
ClientSampled :

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

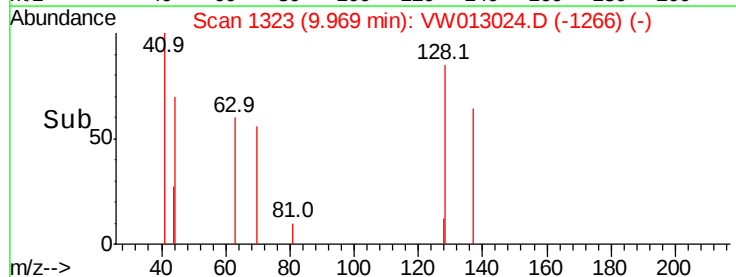
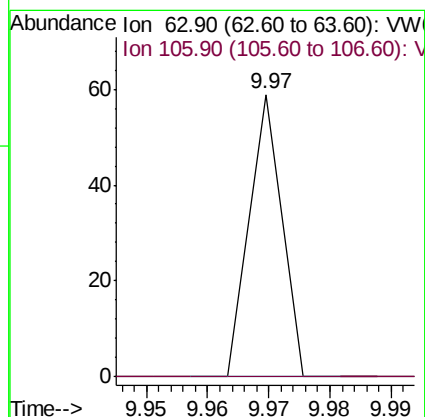
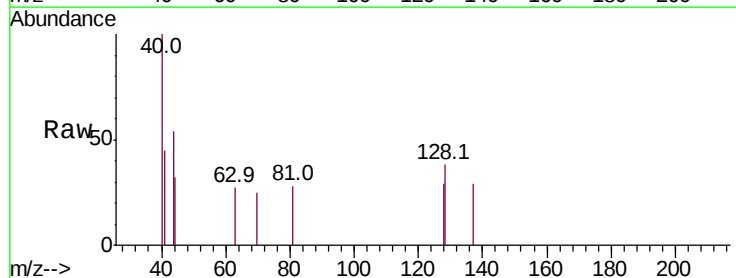
Acq: 15 Sep 2019 06:10

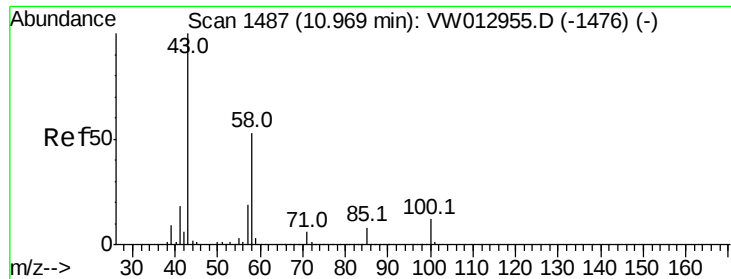
Tgt Ion: 63 Resp: 22

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

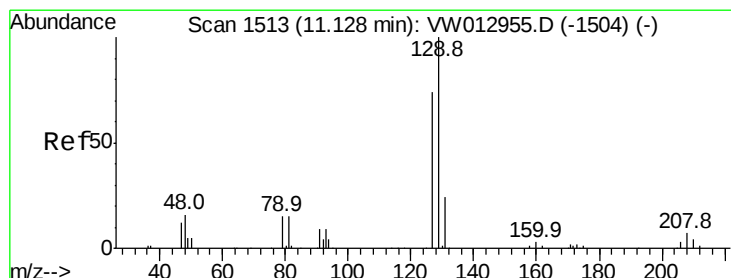
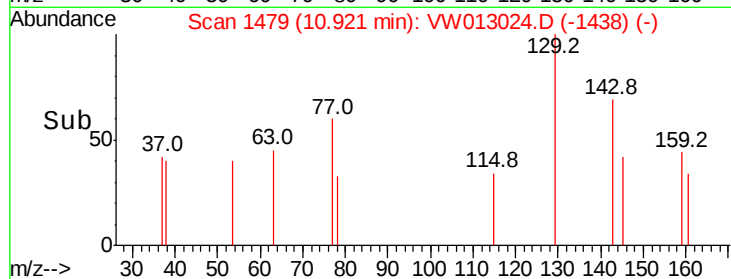
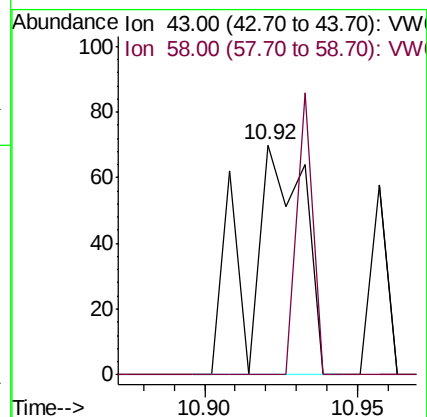
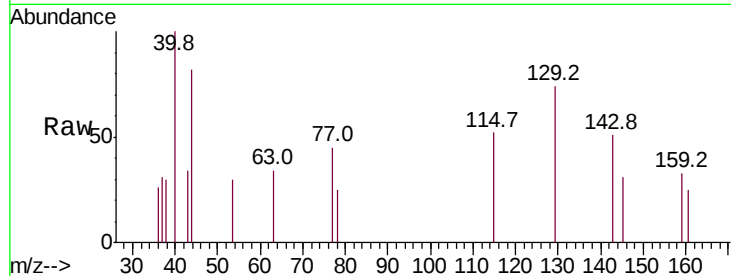
ClientSampled :

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

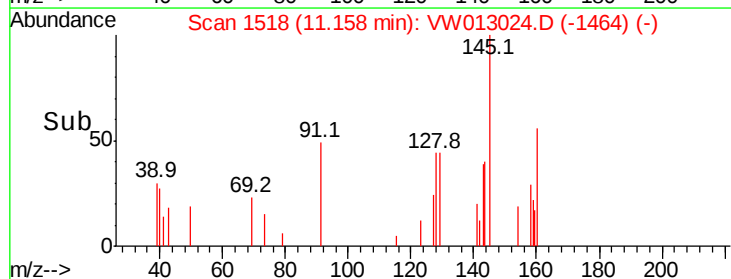
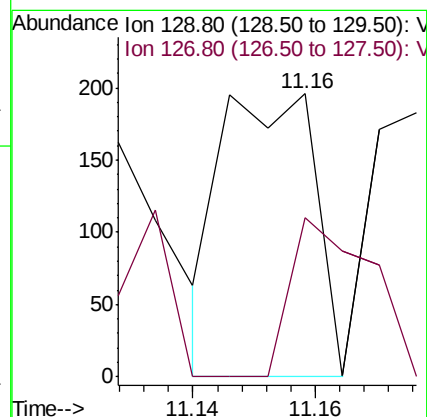
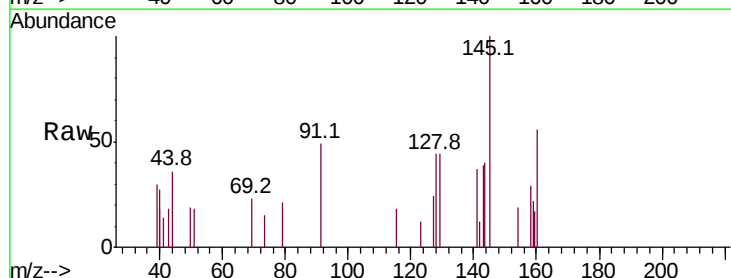
Acq: 15 Sep 2019 06:10

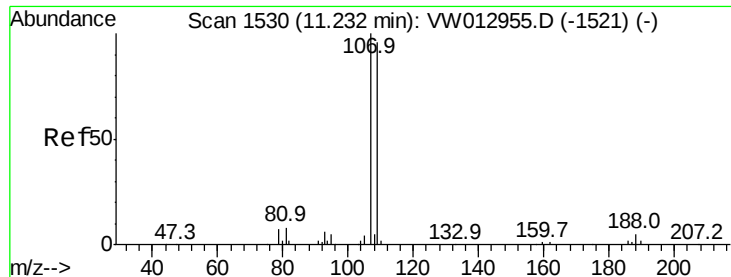
Tgt Ion: 129 Resp: 206

Ion Ratio Lower Upper

129 100

127 48.5 37.4 112.2

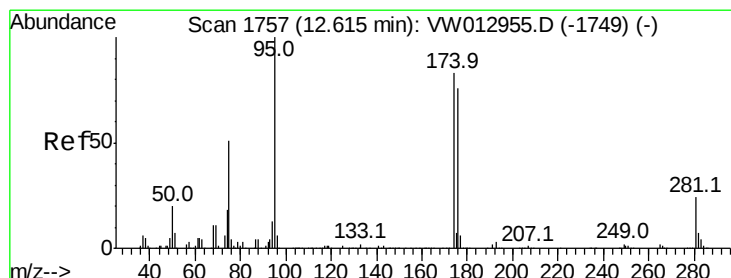
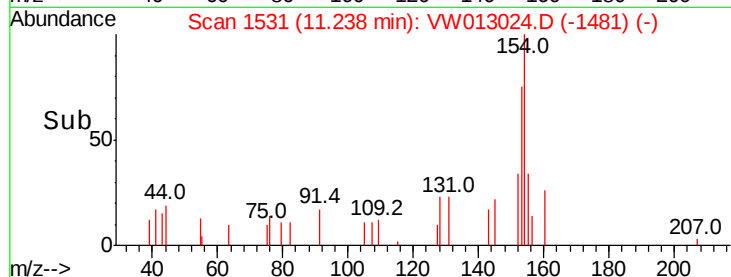
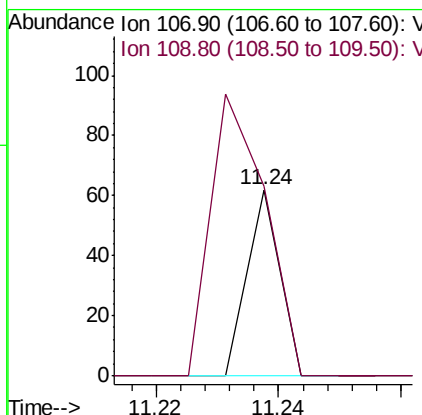
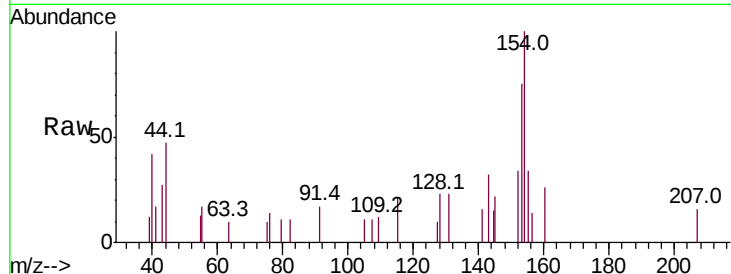




#61
 1,2-Dibromoethane
 Concen: 2.331 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013024.D
 Acq: 15 Sep 2019 06:10

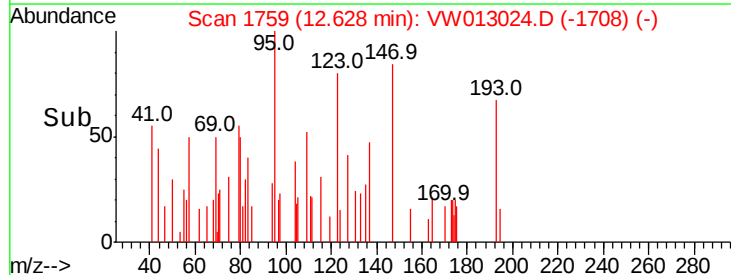
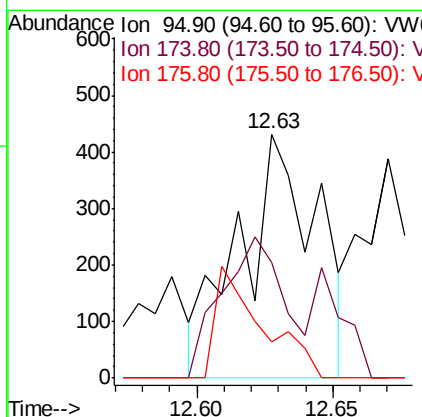
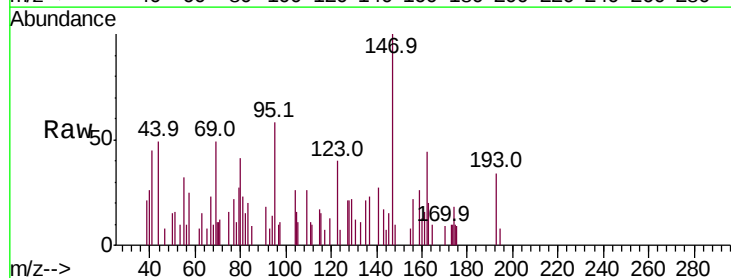
Instrument :
 MSVOA_W
 ClientSampled :

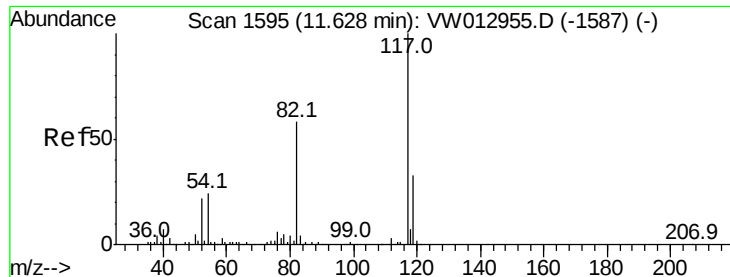
Tot Ion: 107 Resp: 23
 Ion Ratio Lower Upper
 107 100
 109 247.8 75.0 112.6#



#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

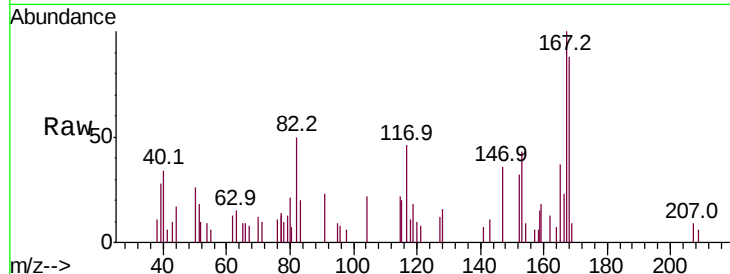




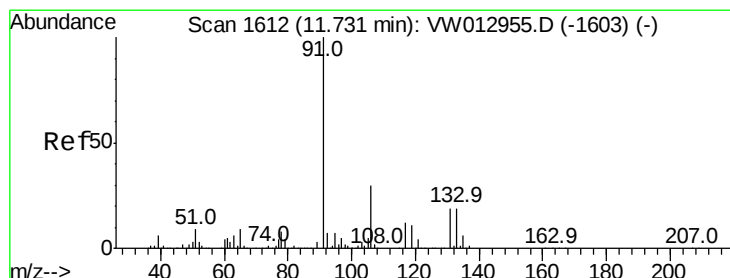
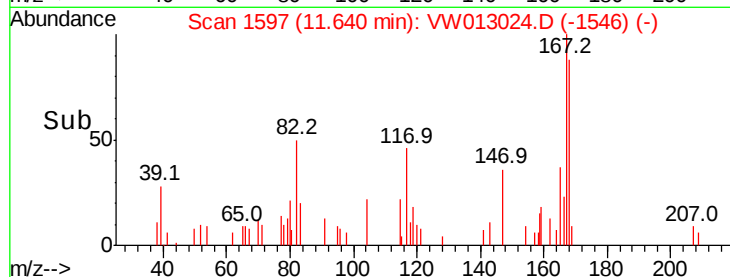
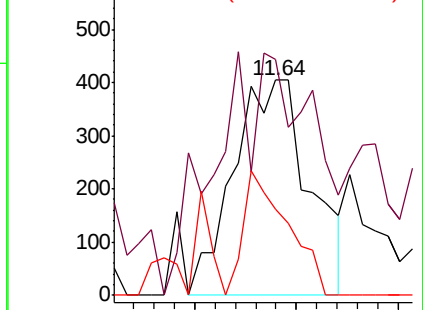
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Instrument :
MSVOA_W
ClientSampleId :

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#

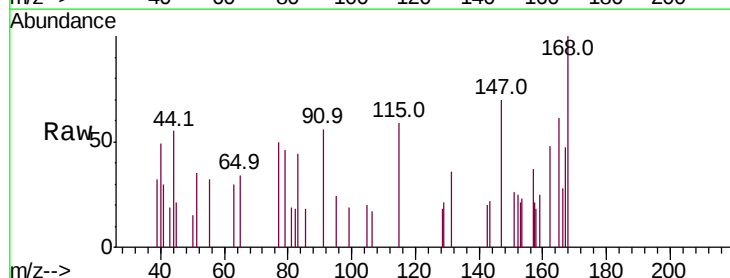


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

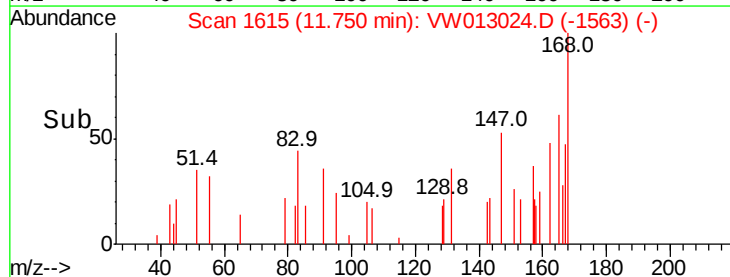
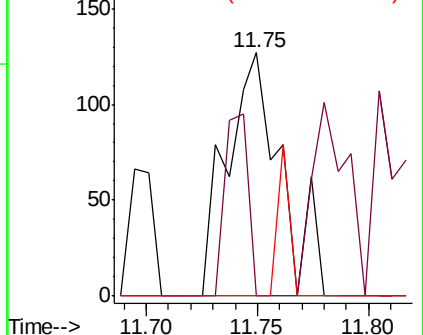


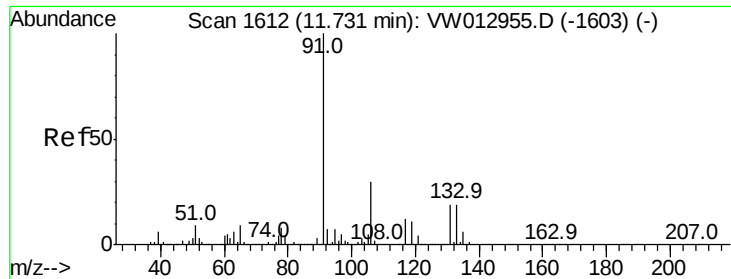
#66
1,1,1,2-Tetrachloroethane
Concen: 29.997 ug/l
RT: 11.75 min Scan# 1615
Delta R.T. 0.02 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

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

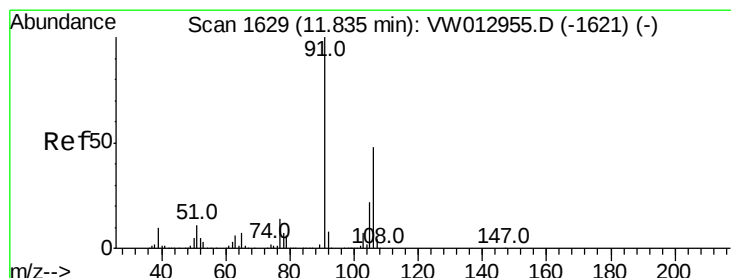
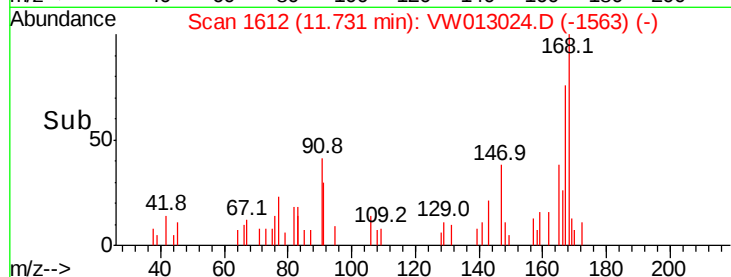
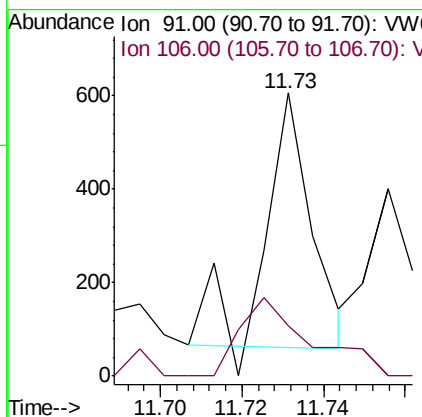
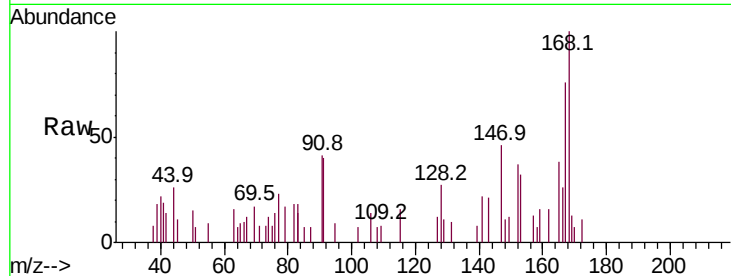




#67
Ethyl Benzene
Concen: 12.622 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

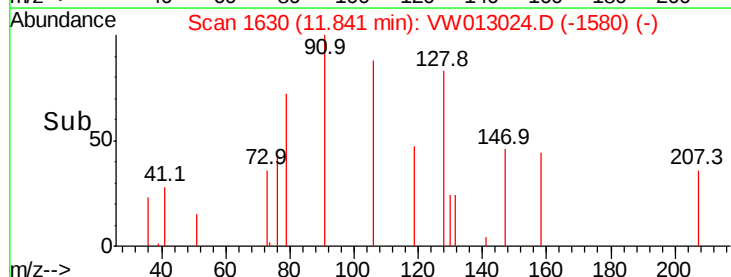
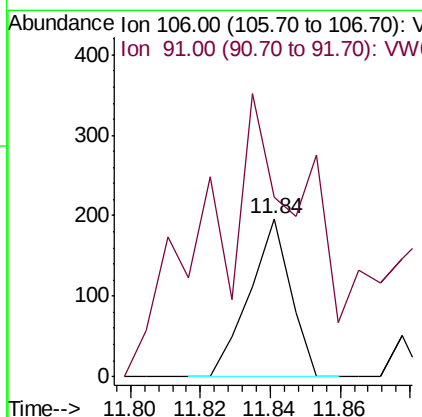
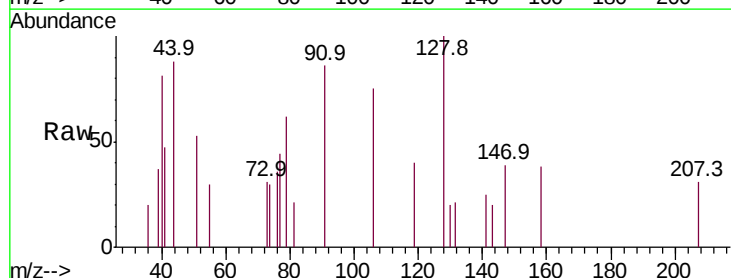
Instrument :
MSVOA_W
ClientSampleId :

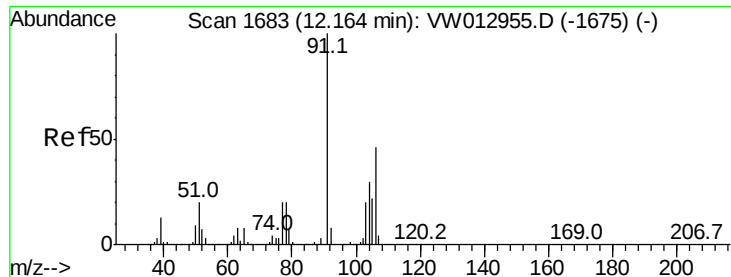
Tot Ion: 91 Resp: 436
Ion Ratio Lower Upper
91 100
106 19.9 24.3 36.5#



#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#

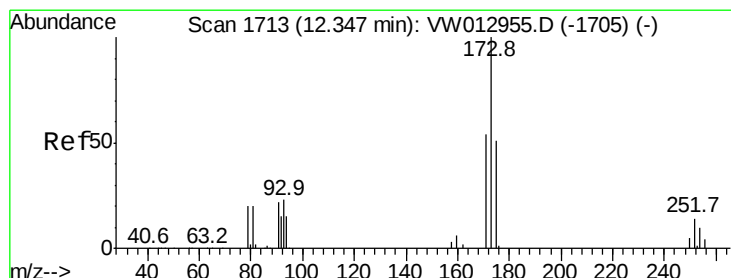
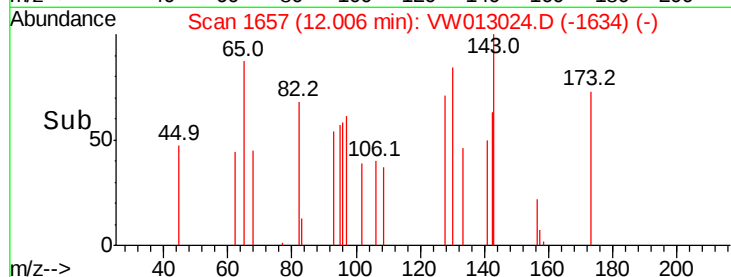
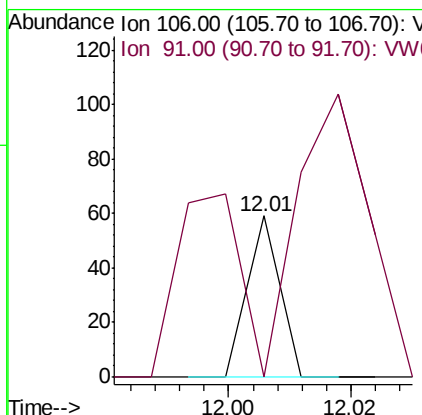
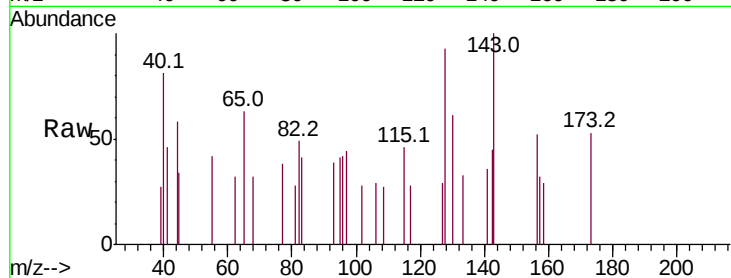




#69
o-Xylene
Concen: 1.860 ug/l
RT: 12.01 min Scan# 1657
Delta R.T. -0.16 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

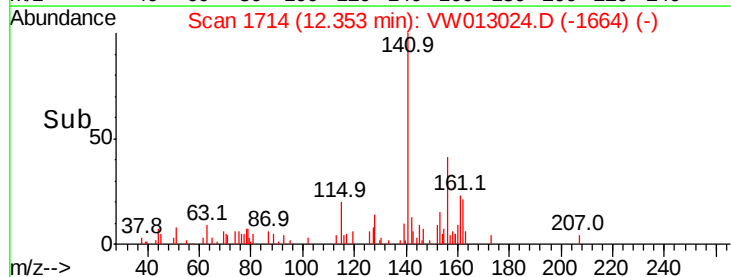
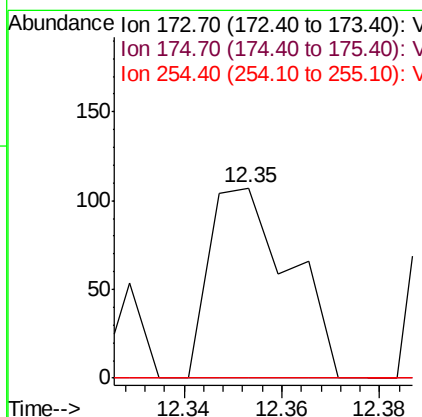
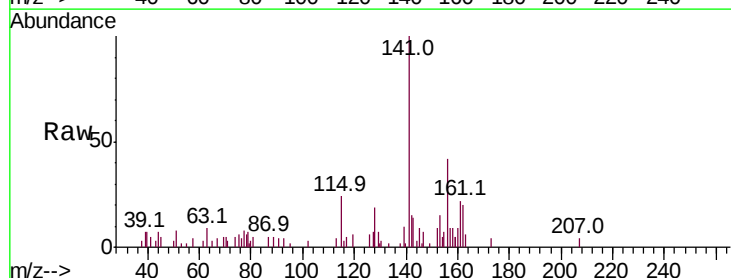
Instrument :
MSVOA_W
ClientSampled :

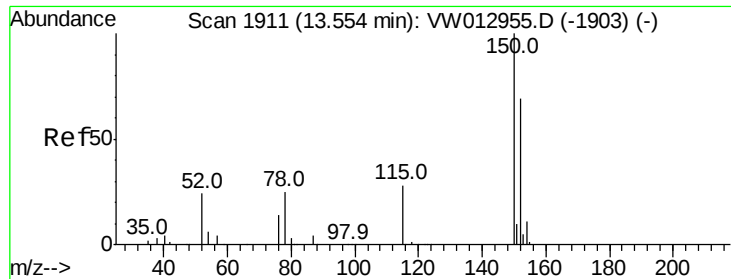
Tot Ion:106 Resp: 22
Ion Ratio Lower Upper
106 100
91 218.2 109.7 329.0



#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#



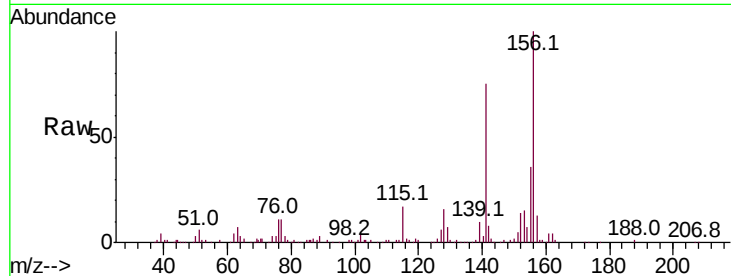


#72

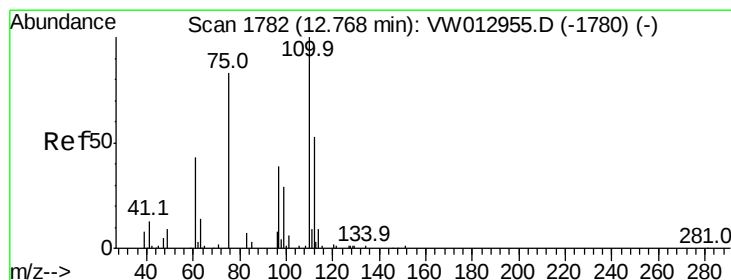
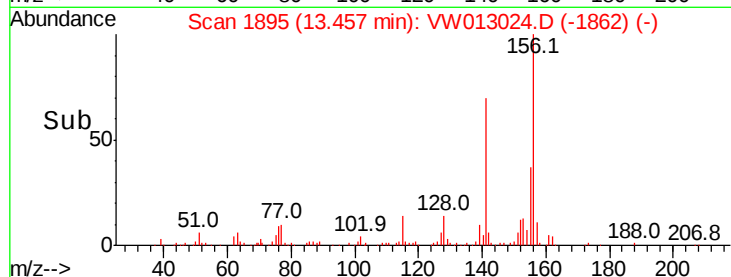
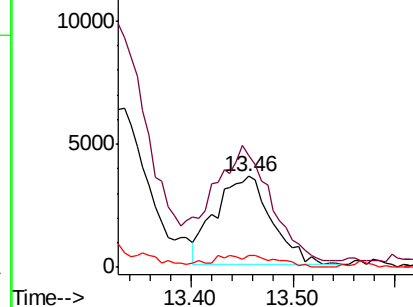
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.46 min Scan# 1895
Delta R.T. -0.10 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

Instrument :
MSVOA_W
ClientSampleId :

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



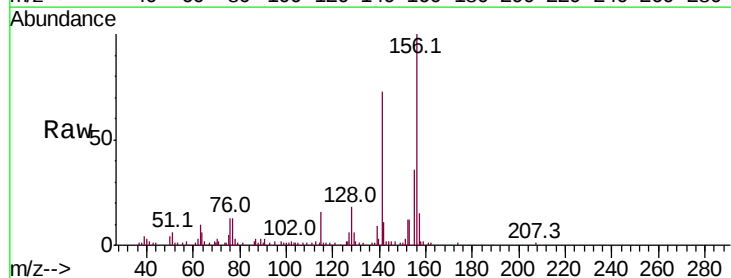
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



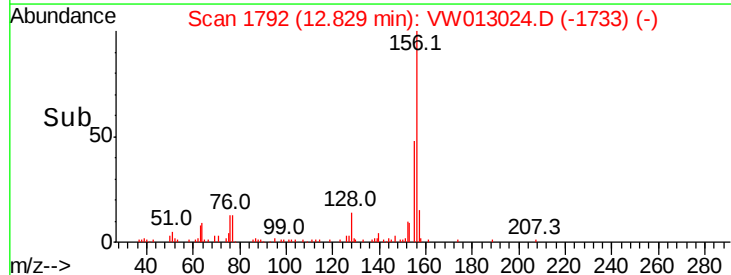
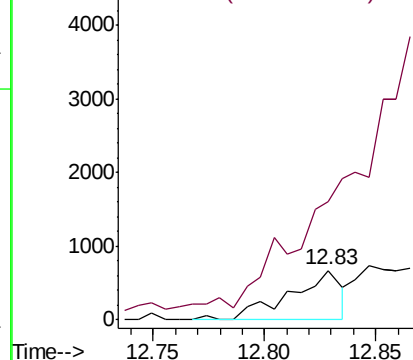
#76

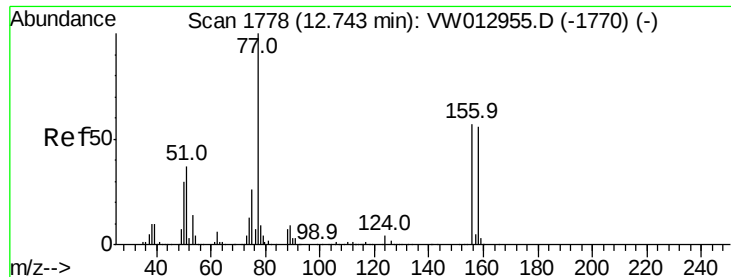
1,2,3-Trichloropropane
Concen: 9.024 ug/l
RT: 12.83 min Scan# 1792
Delta R.T. 0.06 min
Lab File: VW013024.D
Acq: 15 Sep 2019 06:10

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

ClientSampleId :

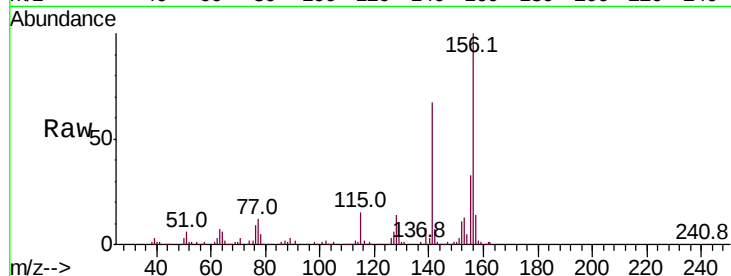
Tot Ion:156 Resp: 103536

Ion Ratio Lower Upper

156 100

77 22.5 95.2 285.6#

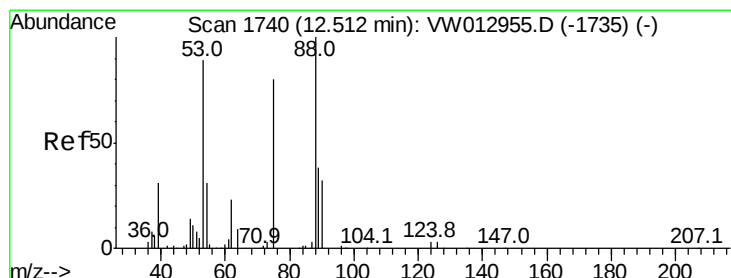
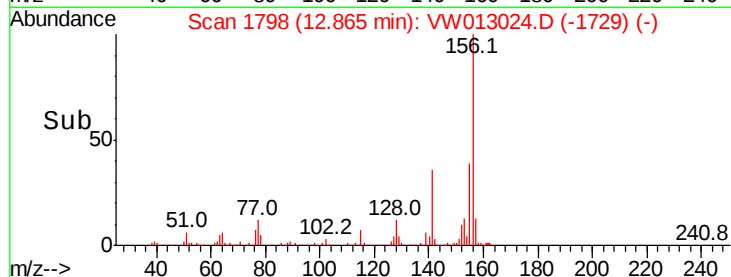
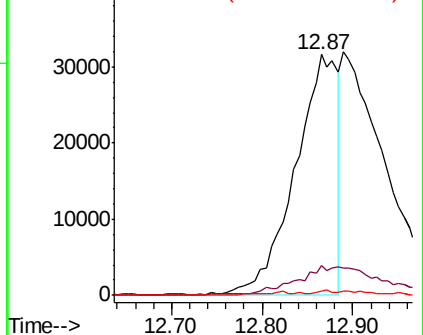
158 0.3 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#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

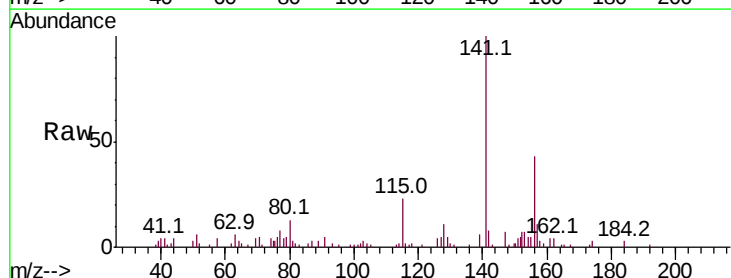
Tgt Ion: 75 Resp: 222

Ion Ratio Lower Upper

75 100

53 50.9 85.6 128.4#

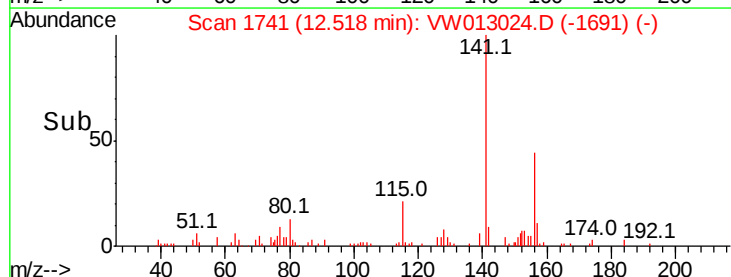
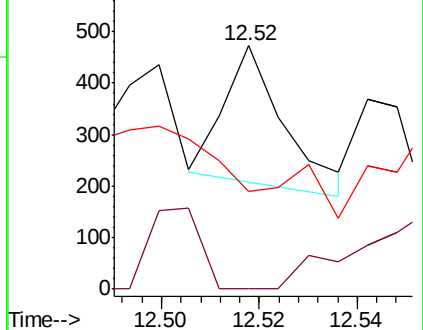
89 0.0 37.2 55.8#

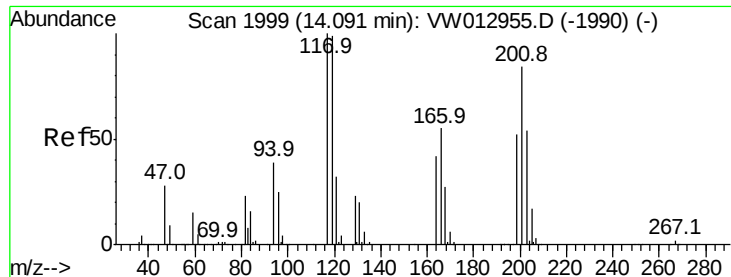


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#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

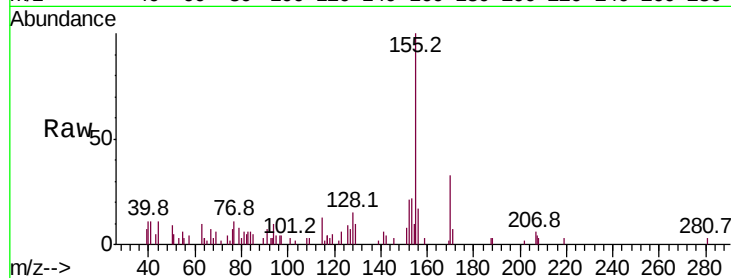
ClientSampled :

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

14.07

200

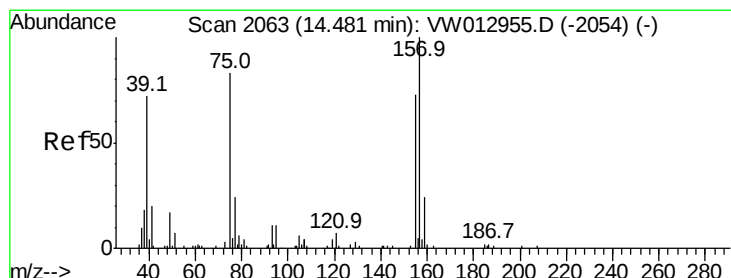
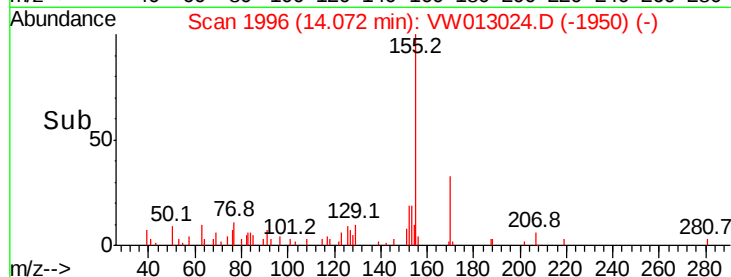
150

100

50

0

Time--> 14.04 14.06 14.08



#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

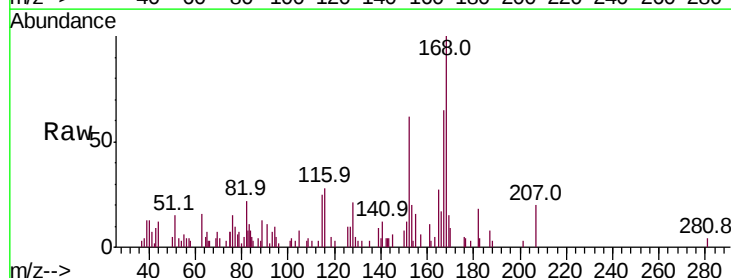
Tgt Ion: 75 Resp: 281

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

500

400

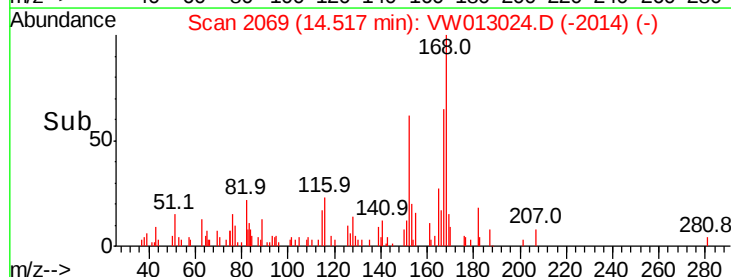
300

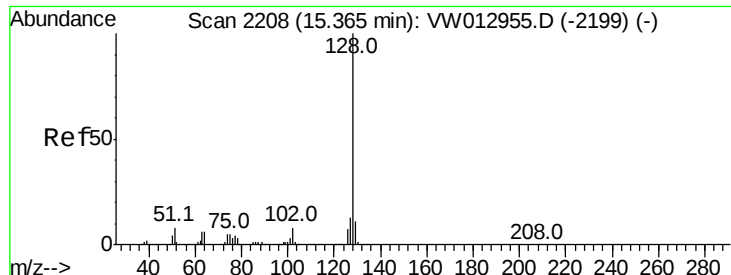
200

100

0

Time--> 14.50 14.52





#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 :

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#

