

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012203.D
 Acq On : 27 Aug 2019 11:06
 Operator : SY/VA
 Sample : K4514-04REMSD
 Misc : 5.29G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

Quant Time: Aug 28 04:54:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	593	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	320	86.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	172.56%	
35) Dibromofluoromethane	7.89	113	70	29.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	58.34%	
50) Toluene-d8	10.32	98	597	61.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	122.72%	
62) 4-Bromofluorobenzene	12.62	95	711	207.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	414.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	64	33.314	ug/l #	43
3) Chloromethane	2.20	50	178	59.805	ug/l #	83
4) Vinyl Chloride	2.36	62	67	18.392	ug/l #	43
5) Bromomethane	2.79	94	158	85.640	ug/l	89
6) Chloroethane	2.89	64	166	80.777	ug/l #	45
8) Diethyl Ether	3.68	74	2863	1648.932	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	4.06	101	217187	69851.107	ug/l	99
11) Tert butyl alcohol	5.20	59	3189	14287.587	ug/l #	79
12) 1,1-Dichloroethene	4.06	96	683	218.245	ug/l #	48
13) Acrolein	4.03	56	42	199.901	ug/l #	15
14) Allyl chloride	4.69	41	131	19.580	ug/l #	66
15) Acrylonitrile	5.38	53	50	58.099	ug/l #	17
16) Acetone	4.13	43	134746	142125.590	ug/l	99
17) Carbon Disulfide	4.37	76	832	87.968	ug/l #	75
18) Methyl Acetate	4.68	43	1652	703.512	ug/l #	89
19) Methyl tert-butyl Ether	5.43	73	74	14.622	ug/l #	52
20) Methylene Chloride	4.92	84	22440	6260.967	ug/l	97
21) trans-1,2-Dichloroethene	5.34	96	22	6.556	ug/l #	1
22) Diisopropyl ether	6.30	45	19	1.532	ug/l #	36
23) Vinyl Acetate	6.27	43	92	12.055	ug/l #	77
24) 1,1-Dichloroethane	6.26	63	20	2.962	ug/l #	84
25) 2-Butanone	7.18	43	4853	3766.899	ug/l	99
26) 2,2-Dichloropropane	7.15	77	700	183.156	ug/l #	54
27) cis-1,2-Dichloroethene	7.16	96	176	49.087	ug/l #	1
28) Bromochloromethane	7.54	49	22	7.475	ug/l #	24
29) Tetrahydrofuran	7.54	42	13333	17249.673	ug/l	98
30) Chloroform	7.66	83	53	8.579	ug/l #	19
31) Cyclohexane	7.96	56	333	49.846	ug/l #	68
36) 1,1-Dichloropropene	8.02	75	22	5.296	ug/l #	44
37) Ethyl Acetate	7.18	43	4853	2131.835	ug/l #	73
39) Methylcyclohexane	9.34	83	467	100.066	ug/l #	83
40) Benzene	8.32	78	1866	164.502	ug/l	96
41) Methacrylonitrile	7.54	41	7584	5668.394	ug/l #	51
42) 1,2-Dichloroethane	8.19	62	41	11.533	ug/l #	77

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

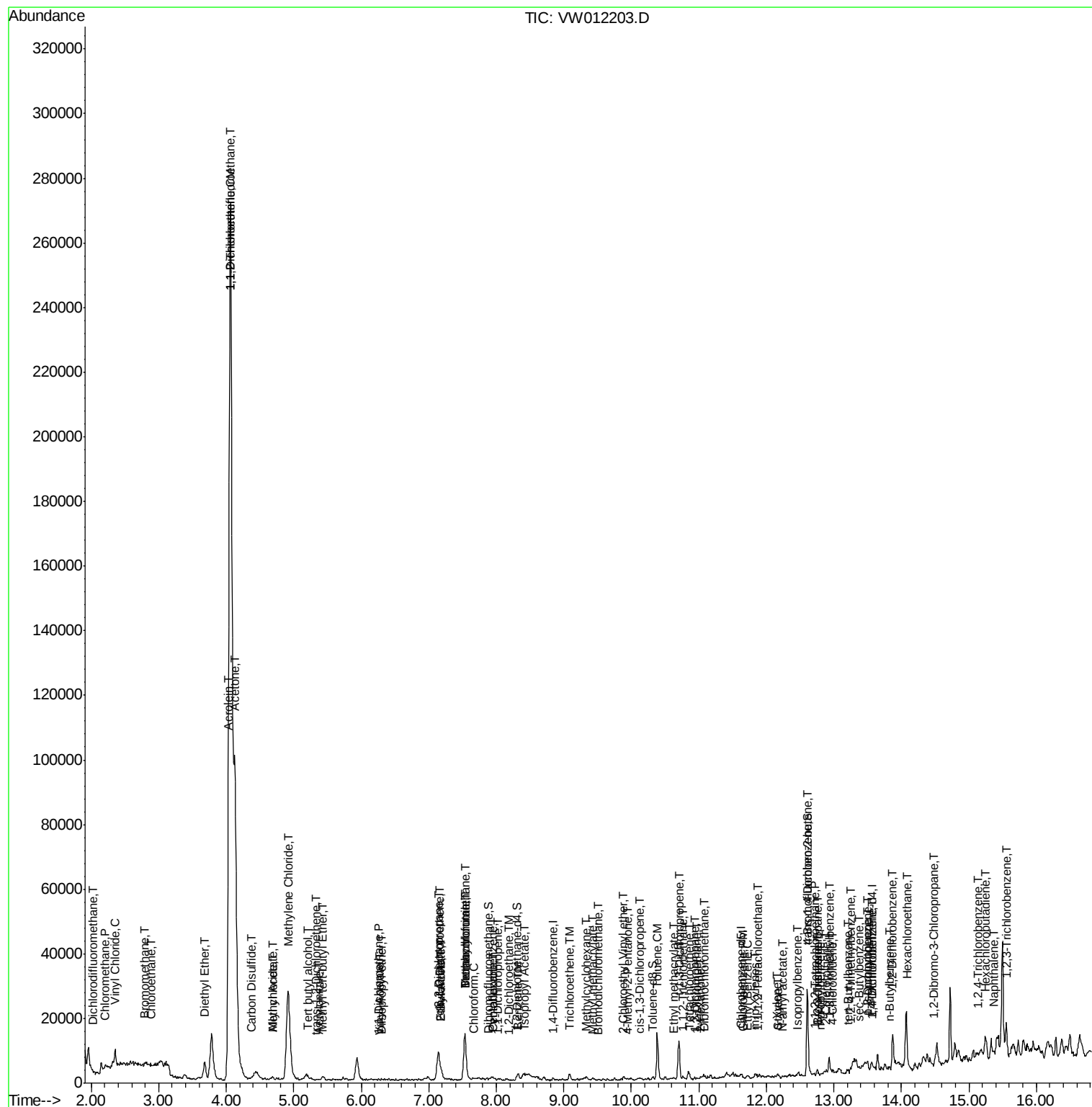
43) Isopropyl Acetate	8.42	43	307	72.806	ug/l #	55
44) Trichloroethene	9.10	130	536	194.377	ug/l	66
47) Bromodichloromethane	9.51	83	18	4.979	ug/l #	26
48) Methyl methacrylate	9.42	41	288	143.503	ug/l #	43
51) 4-Methyl-2-Pentanone	9.94	43	124	57.816	ug/l	100
52) Toluene	10.38	92	5941	871.823	ug/l	99
53) t-1,3-Dichloropropene	10.70	75	282	76.582	ug/l #	61
54) cis-1,3-Dichloropropene	10.12	75	22	4.948	ug/l #	28
55) 1,1,2-Trichloroethane	10.76	97	74	38.505	ug/l #	23
56) Ethyl methacrylate	10.63	69	105	37.540	ug/l #	77
57) 1,3-Dichloropropane	10.93	76	27	7.434	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.87	63	40	27.865	ug/l #	50
59) 2-Hexanone	11.04	43	68	44.809	ug/l	76
60) Dibromochloromethane	11.08	129	25	11.679	ug/l #	11
61) 1,2-Dibromoethane	10.97	107	23	12.846	ug/l #	3
64) Tetrachloroethene	10.87	164	281	67.617	ug/l	95
65) Chlorobenzene	11.66	112	135	10.696	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.88	131	24	5.451	ug/l #	7
67) Ethyl Benzene	11.73	91	609	25.047	ug/l	92
68) m/p-Xylenes	11.83	106	395	45.101	ug/l	90
69) o-Xylene	12.16	106	168	20.726	ug/l	32
70) Styrene	12.18	104	183	13.043	ug/l #	47
73) Isopropylbenzene	12.46	105	364	8.192	ug/l	95
74) N-amyl acetate	12.24	43	428	31.881	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.71	83	240	29.462	ug/l #	37
76) 1,2,3-Trichloropropane	12.76	75	59	10.216	ug/l #	100
77) Bromobenzene	12.76	156	81	8.426	ug/l #	1
78) n-propylbenzene	12.80	91	799	14.729	ug/l	97
79) 2-Chlorotoluene	12.89	91	506	16.430	ug/l #	62
80) 1,3,5-Trimethylbenzene	12.94	105	515	13.870	ug/l	70
81) trans-1,4-Dichloro-2-buten	12.60	75	426	161.724	ug/l #	15
82) 4-Chlorotoluene	12.98	91	344	10.668	ug/l #	69
83) tert-Butylbenzene	13.21	119	356	11.319	ug/l #	50
84) 1,2,4-Trimethylbenzene	13.25	105	1435	38.475	ug/l	67
85) sec-Butylbenzene	13.38	105	614	13.626	ug/l	96
86) p-Isopropyltoluene	13.49	119	627	15.581	ug/l	93
87) 1,3-Dichlorobenzene	13.49	146	348	18.508	ug/l #	63
88) 1,4-Dichlorobenzene	13.58	146	420	22.497	ug/l #	71
89) n-Butylbenzene	13.82	91	687	17.168	ug/l	82
90) Hexachloroethane	14.08	117	85	12.039	ug/l #	11
91) 1,2-Dichlorobenzene	13.86	146	289	17.521	ug/l #	74
92) 1,2-Dibromo-3-Chloropropan	14.48	75	53	38.593	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.13	180	470	41.232	ug/l #	49
94) Hexachlorobutadiene	15.25	225	160	21.258	ug/l #	66
95) Naphthalene	15.36	128	1899	81.883	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.57	180	515	51.784	ug/l #	51

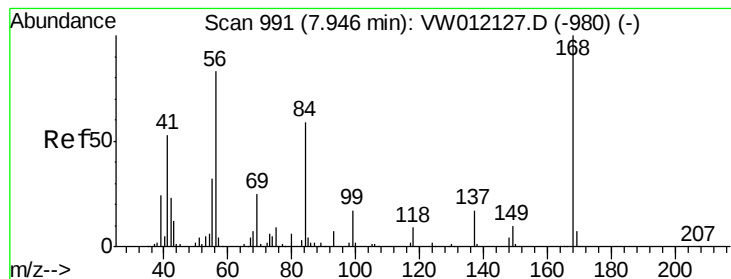
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

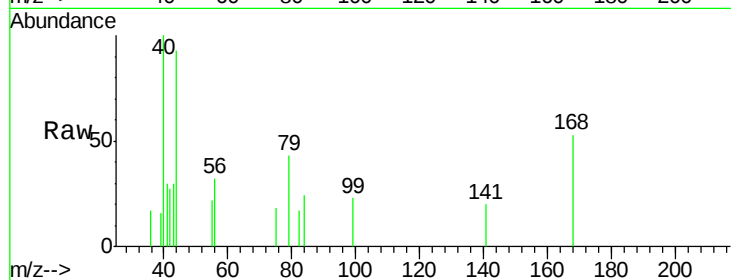
S602-M-1.0-1.5-082319MSD

Tot Ion:168 Resp: 312

Ion Ratio Lower Upper

168 100

99 42.8 49.2 73.8#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200

150

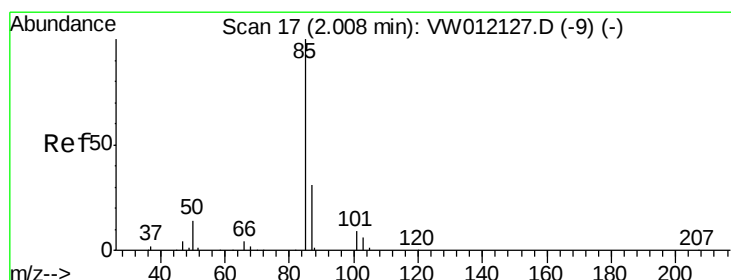
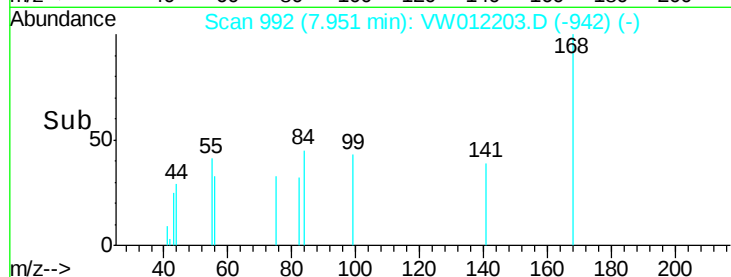
100

50

0

7.90 7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 33.314 ug/l

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW012203.D

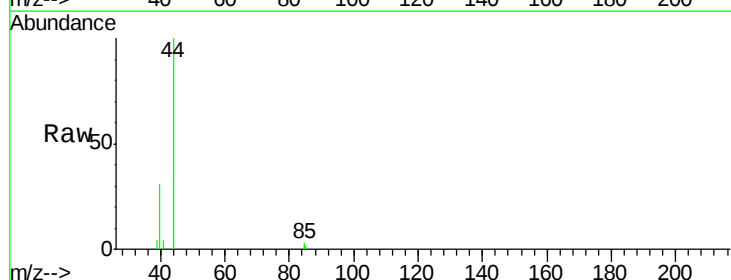
Acq: 27 Aug 2019 11:06

Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

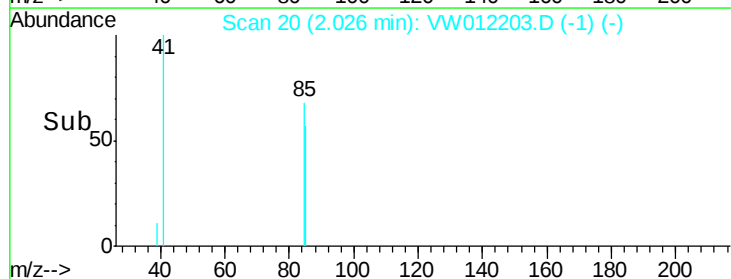
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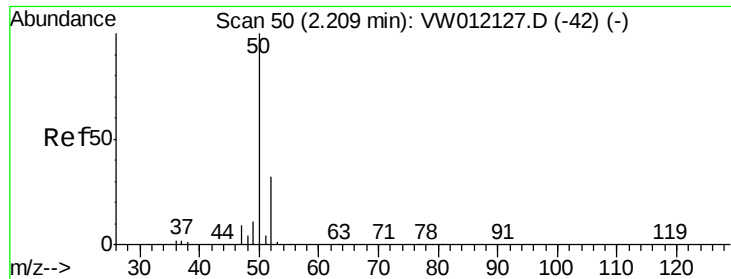
50

0

2.00 2.02 2.04

Time-->





#3

Chloromethane

Concen: 59.805 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

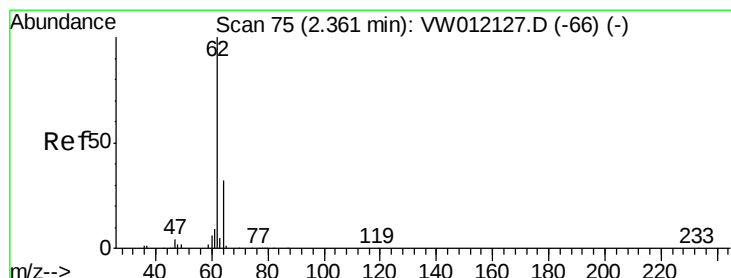
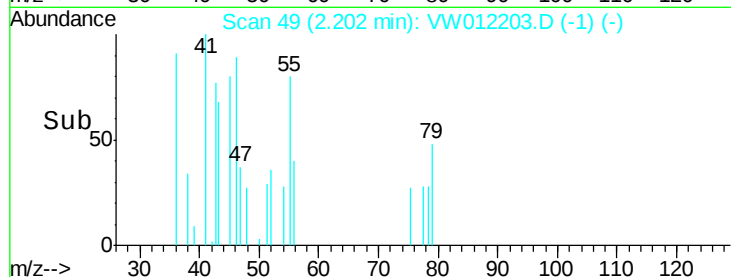
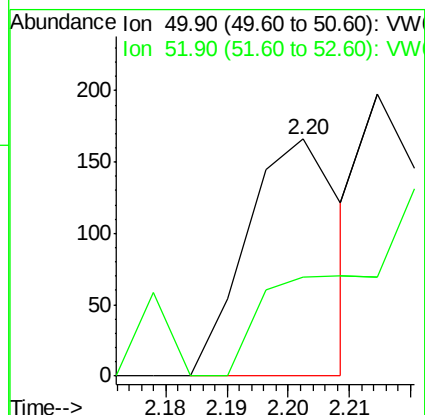
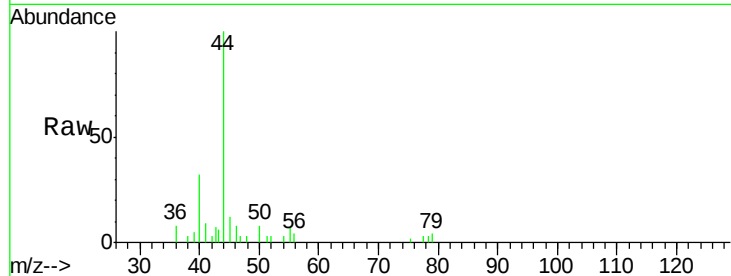
S602-M-1.0-1.5-082319MSD

Tot Ion: 50 Resp: 178

Ion Ratio Lower Upper

50 100

52 41.6 25.5 38.3#



#4

Vinyl Chloride

Concen: 18.392 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012203.D

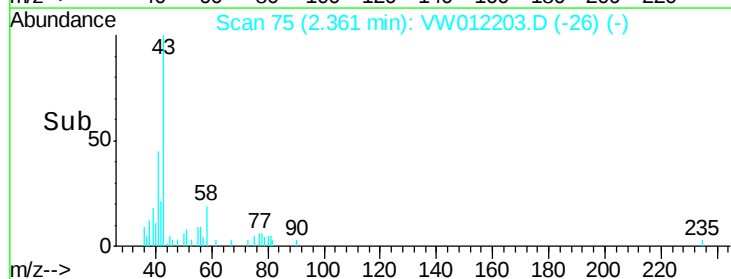
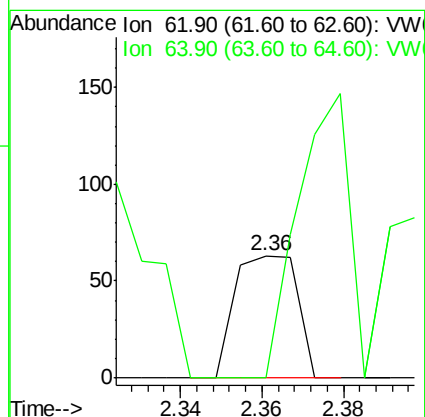
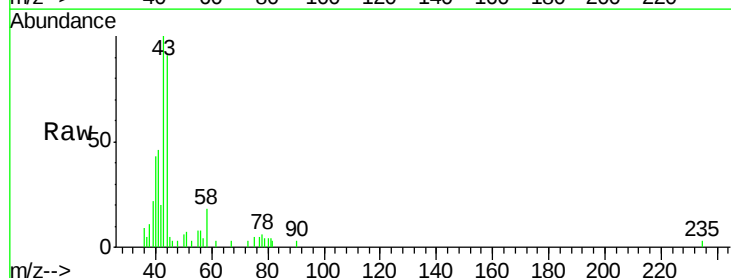
Acq: 27 Aug 2019 11:06

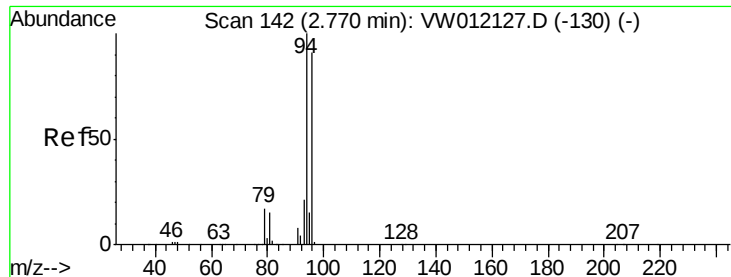
Tgt Ion: 62 Resp: 67

Ion Ratio Lower Upper

62 100

64 0.0 25.3 37.9#





#5

Bromomethane

Concen: 85.640 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.02 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

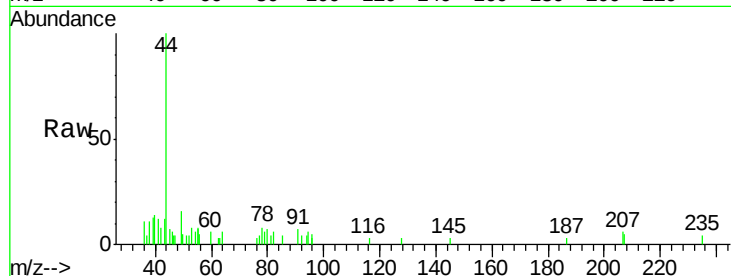
S602-M-1.0-1.5-082319MSD

Tot Ion: 94 Resp: 158

Ion Ratio Lower Upper

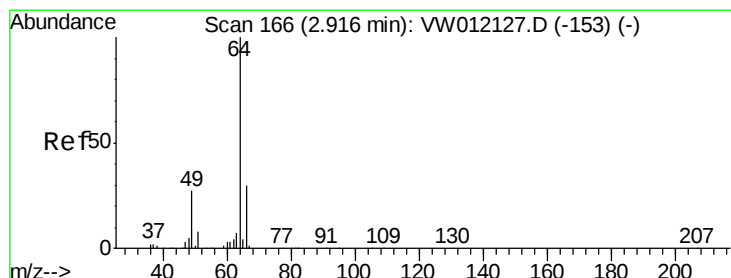
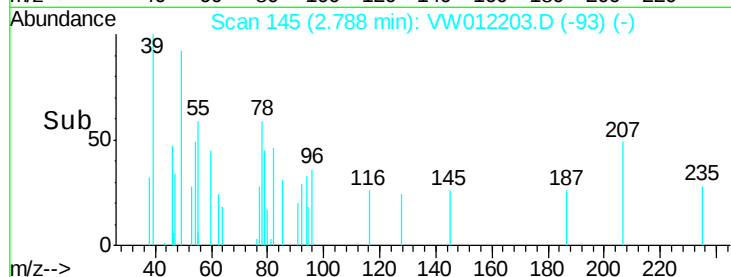
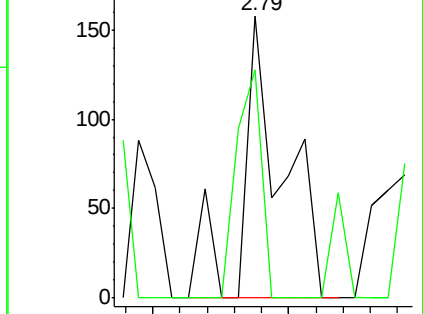
94 100

96 81.0 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 80.777 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW012203.D

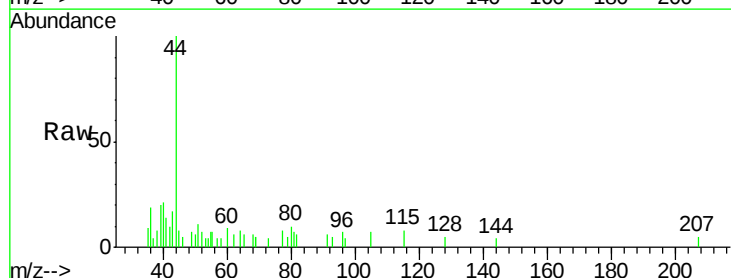
Acq: 27 Aug 2019 11:06

Tgt Ion: 64 Resp: 166

Ion Ratio Lower Upper

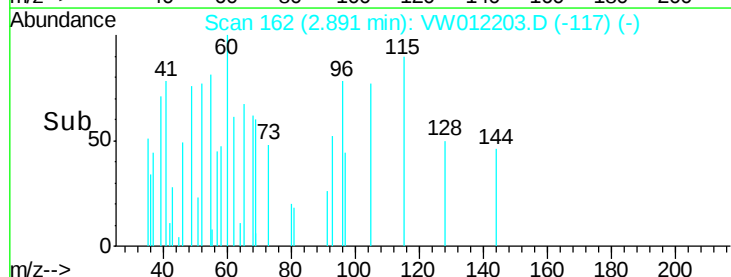
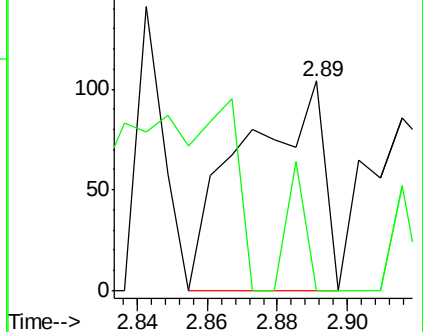
64 100

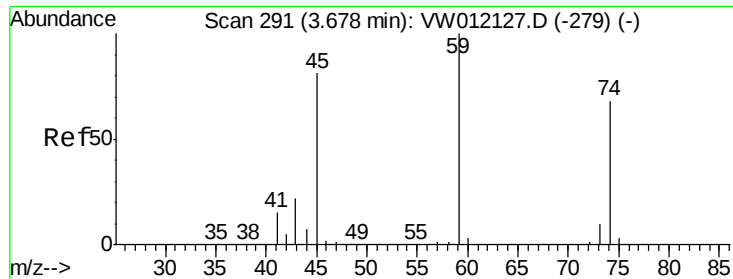
66 0.0 23.8 35.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#8

Diethyl Ether

Concen: 1648.932 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

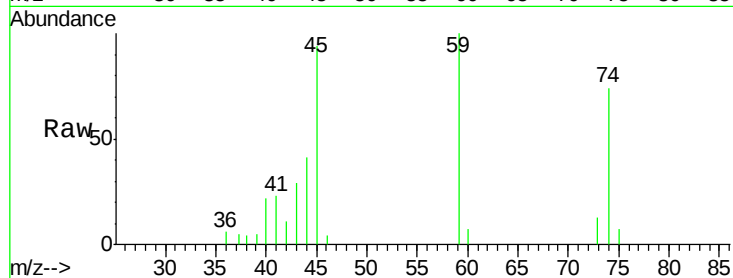
S602-M-1.0-1.5-082319MSD

Tot Ion: 74 Resp: 2863

Ion Ratio Lower Upper

74 100

45 147.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1500

1000

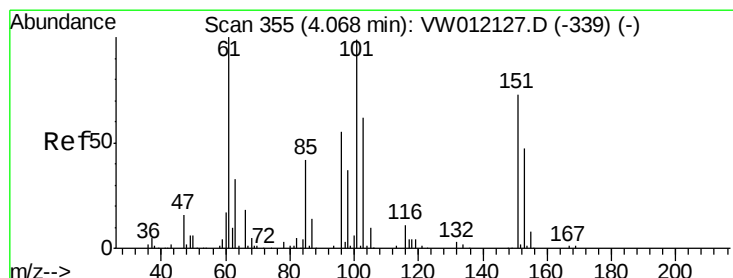
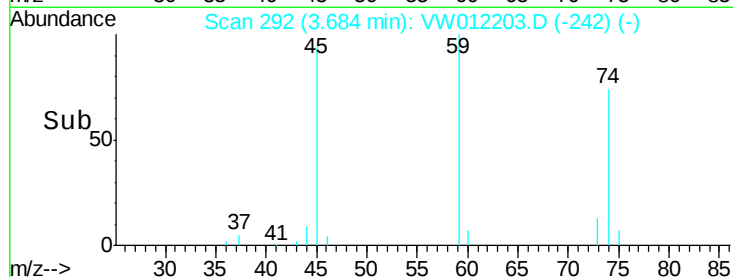
500

0

Time-->

3.60 3.65 3.70 3.75

3.68



#9

1,1,2-Trichlorotrifluoroethane

Concen: 69851.107 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

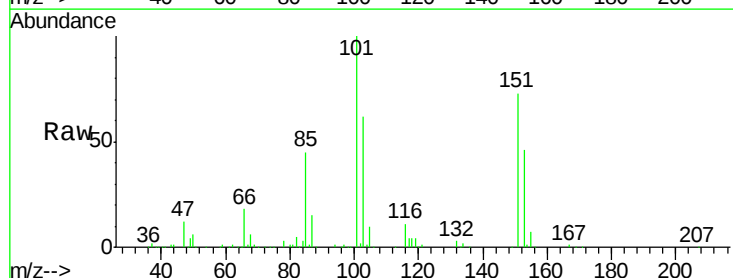
Tgt Ion:101 Resp: 217187

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

151 74.9 58.6 87.8



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

80000

60000

40000

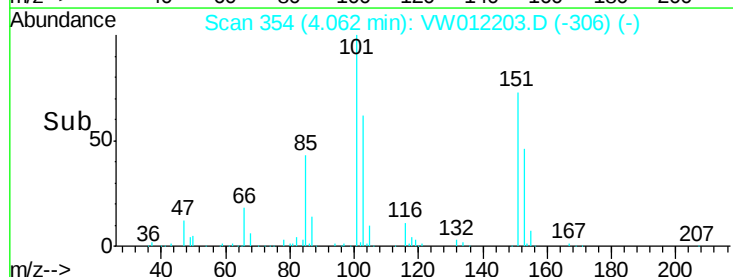
20000

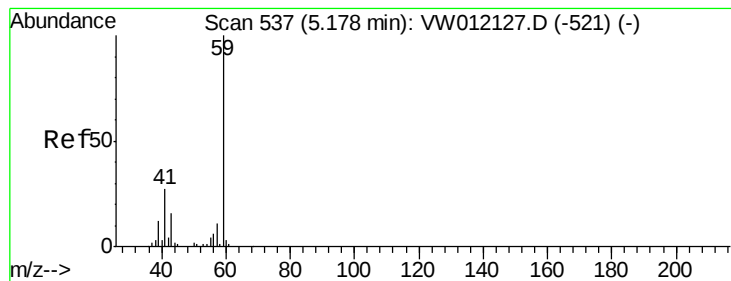
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Time-->

3.90 4.00 4.10 4.20 4.30

4.06



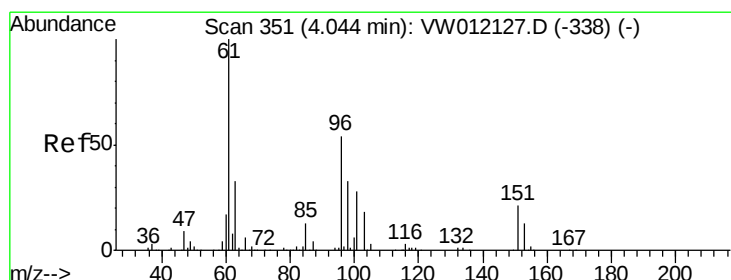
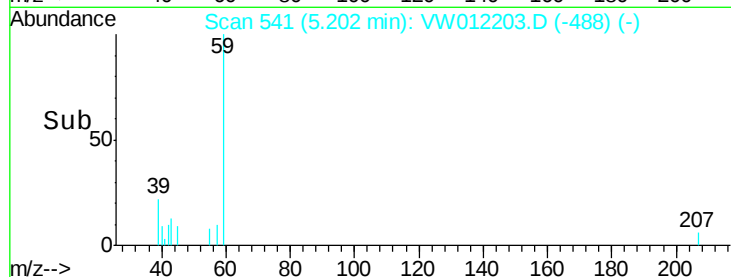
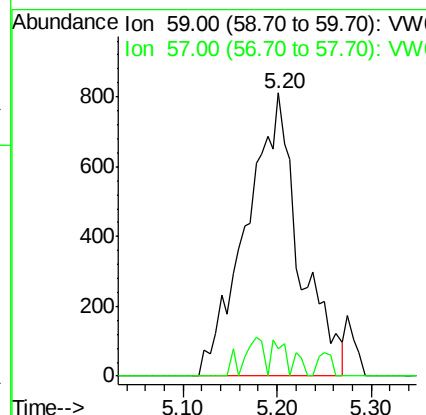
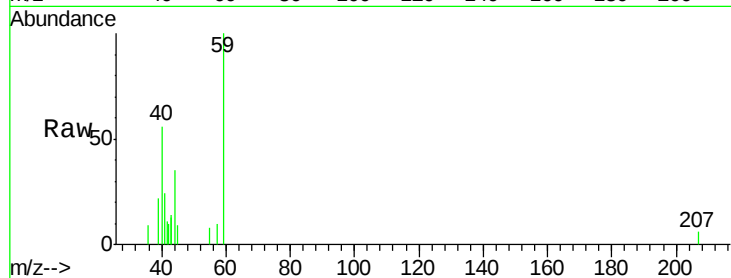


#11

Tert butyl alcohol
 Concen: 14287.587 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW012203.D
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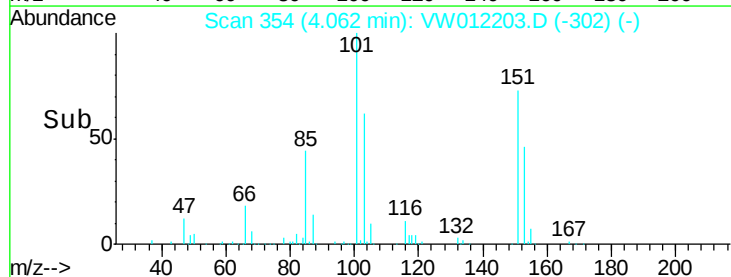
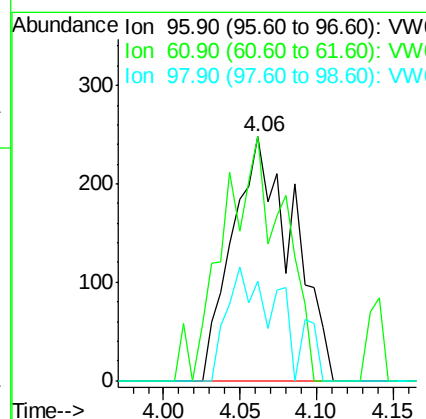
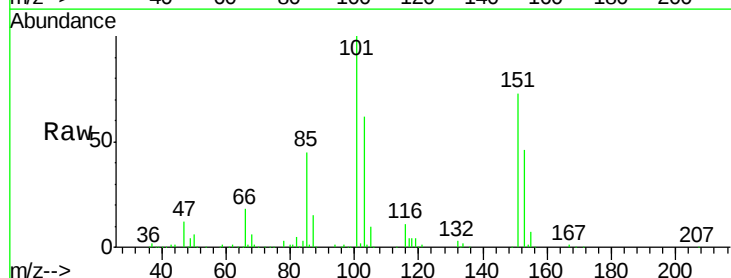
Tot Ion: 59 Resp: 3189
 Ion Ratio Lower Upper
 59 100
 57 3.2 9.0 13.4#

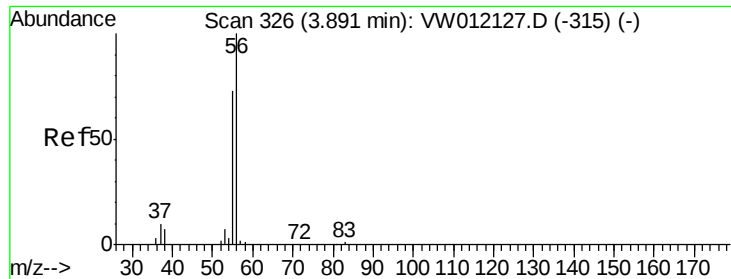


#12

1,1-Dichloroethene
 Concen: 218.245 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. 0.02 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

Tgt Ion: 96 Resp: 683
 Ion Ratio Lower Upper
 96 100
 61 100.0 149.1 223.7#
 98 40.7 49.4 74.2#





#13

Acrolein

Concen: 199.901 ug/l

RT: 4.03 min Scan# 348

Delta R.T. 0.13 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

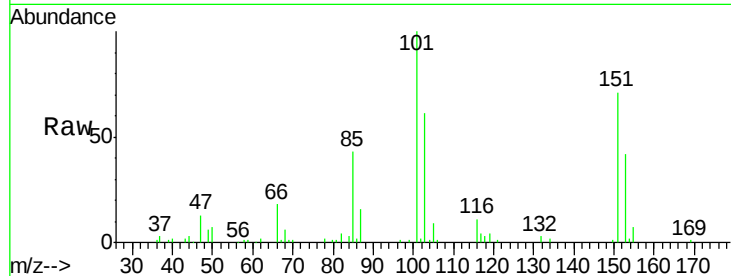
S602-M-1.0-1.5-082319MSD

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

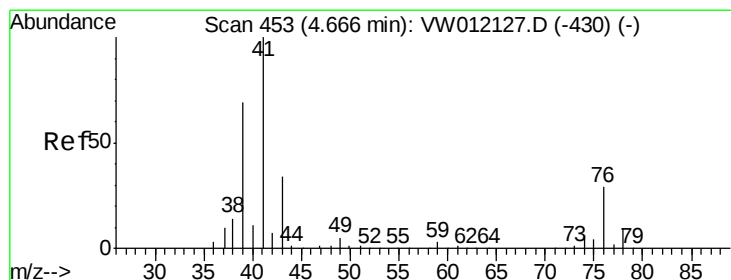
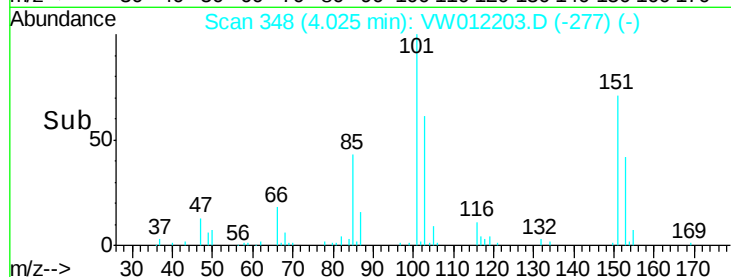
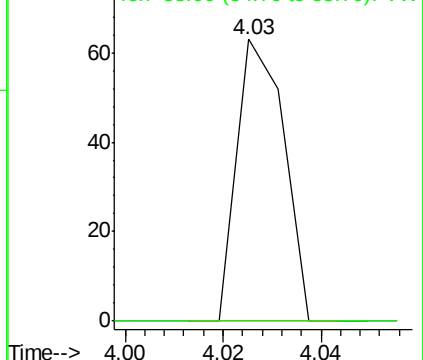
56 100

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: 19.580 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

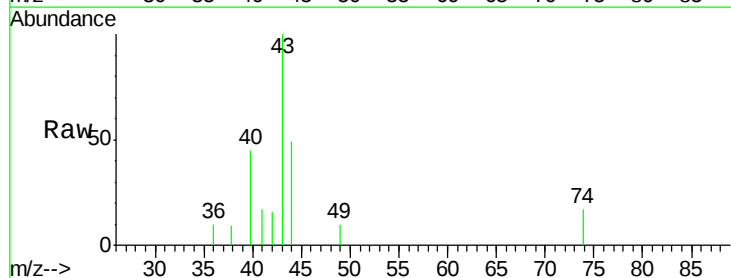
Tgt Ion: 41 Resp: 131

Ion Ratio Lower Upper

41 100

39 45.8 53.4 80.2#

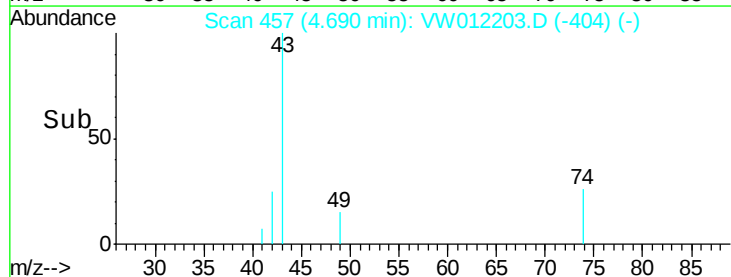
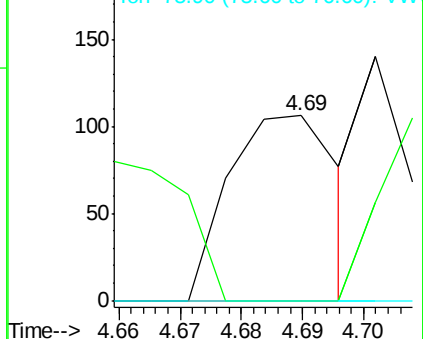
76 0.0 22.1 33.1#

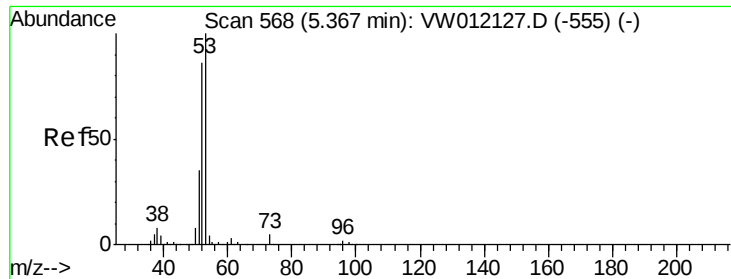


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 58.099 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

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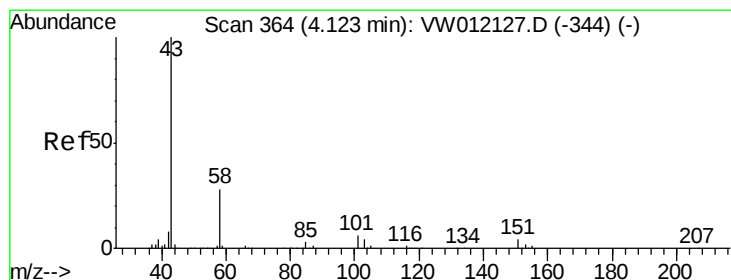
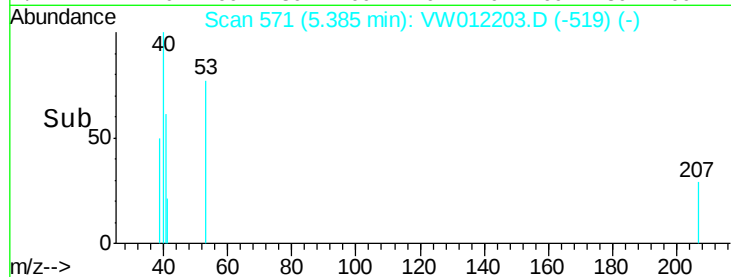
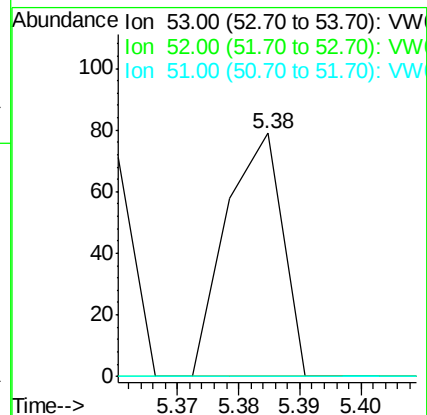
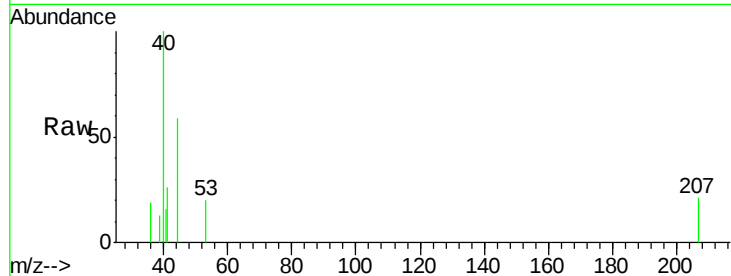
Tot Ion: 53 Resp: 50

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 0.0 30.1 45.1#



#16

Acetone

Concen: 142125.590 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012203.D

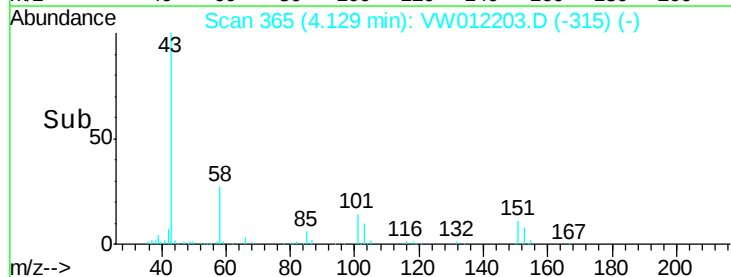
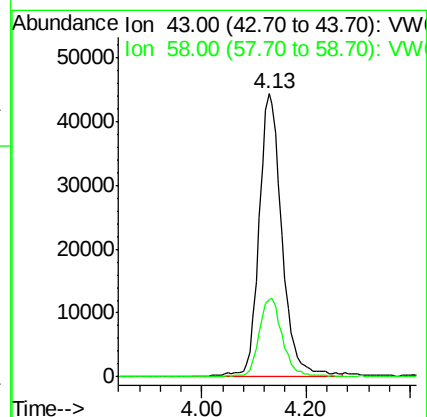
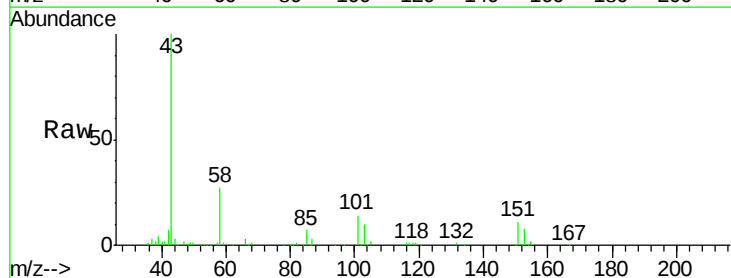
Acq: 27 Aug 2019 11:06

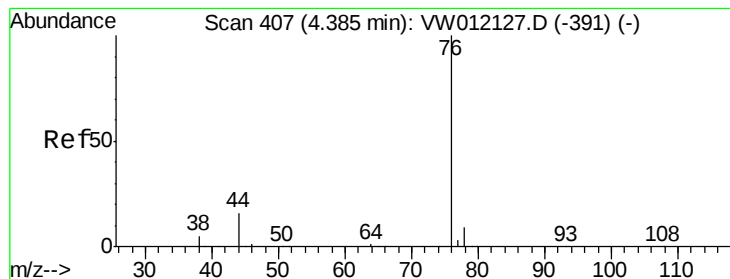
Tgt Ion: 43 Resp: 134746

Ion Ratio Lower Upper

43 100

58 27.3 22.4 33.6





#17

Carbon Disulfide

Concen: 87.968 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

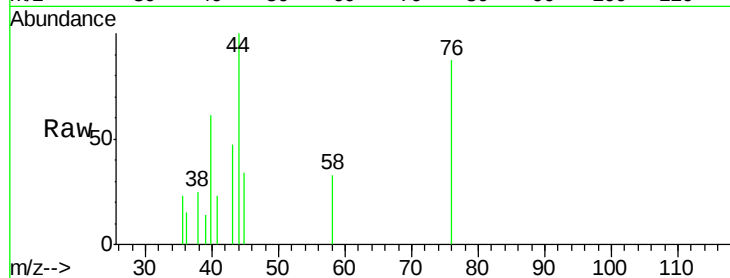
S602-M-1.0-1.5-082319MSD

Tot Ion: 76 Resp: 832

Ion Ratio Lower Upper

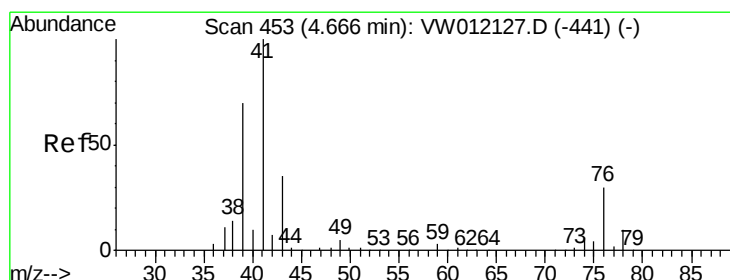
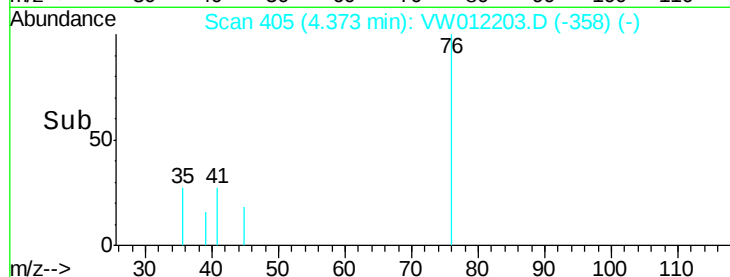
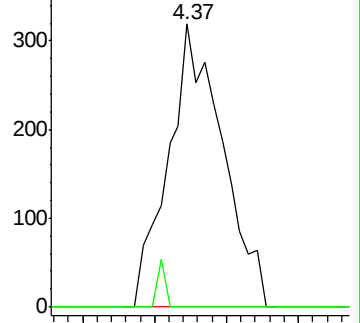
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 703.512 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW012203.D

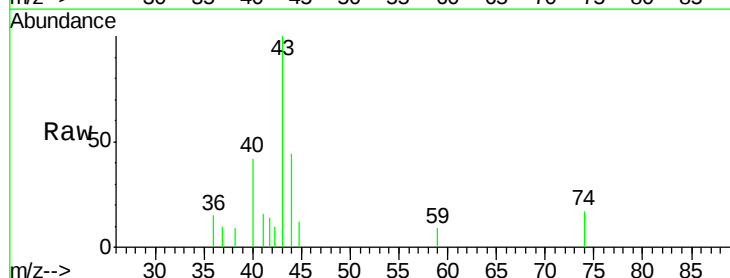
Acq: 27 Aug 2019 11:06

Tgt Ion: 43 Resp: 1652

Ion Ratio Lower Upper

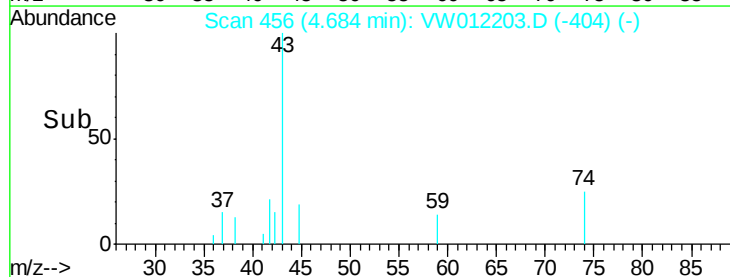
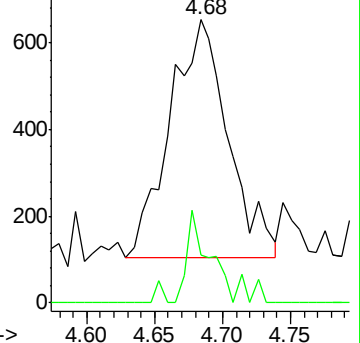
43 100

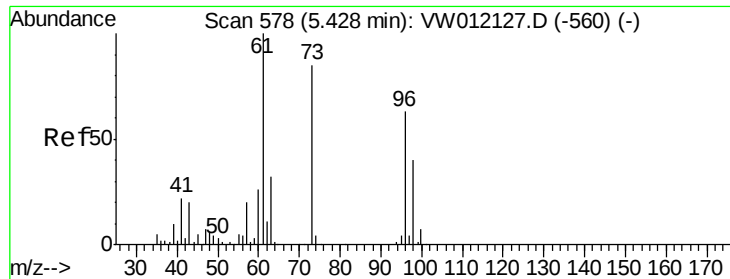
74 14.6 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

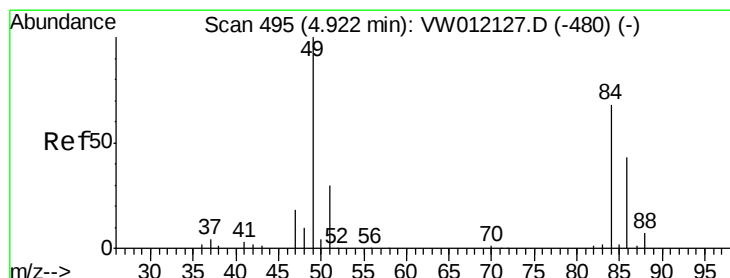
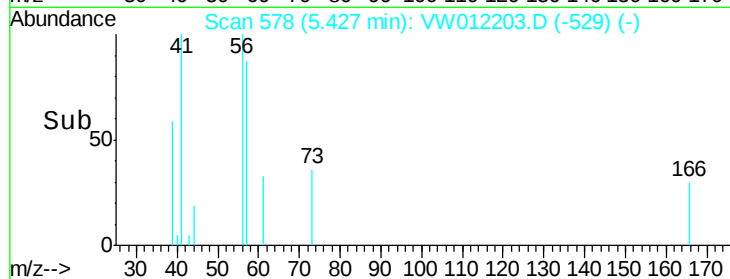
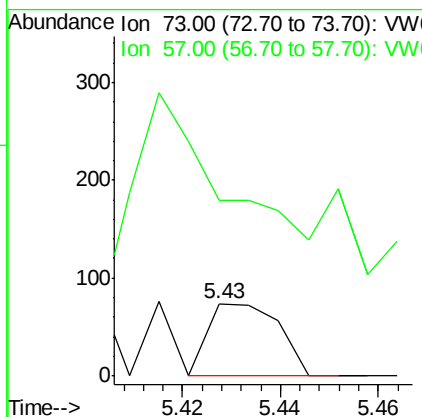
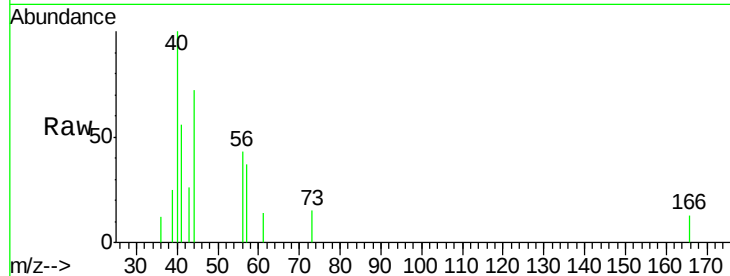




#19
Methvl tert-butvl Ether
Concen: 14.622 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

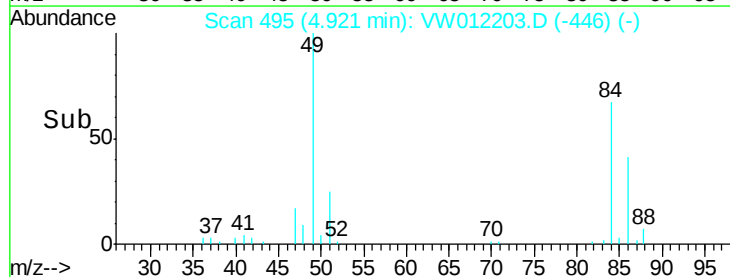
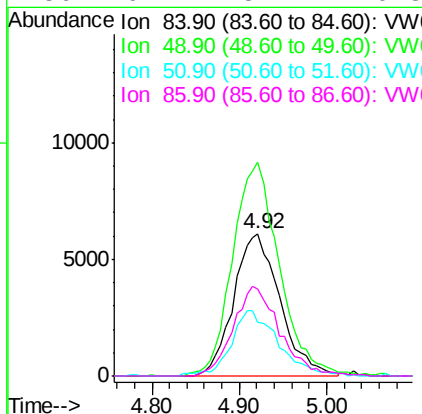
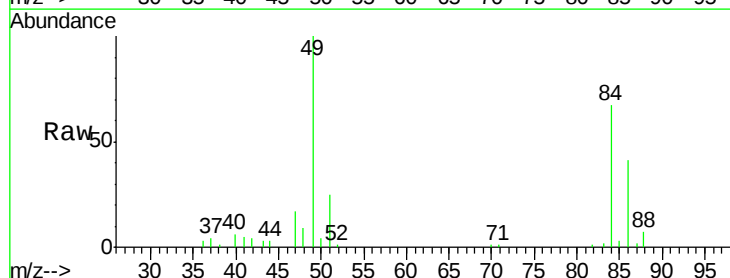
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

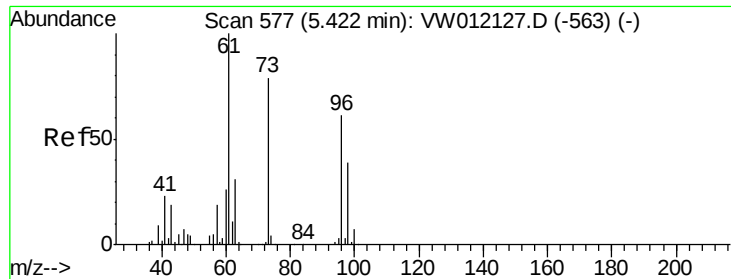
Tot Ion: 73 Resp: 74
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: 6260.967 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Tgt Ion: 84 Resp: 22440
Ion Ratio Lower Upper
84 100
49 148.8 117.8 176.8
51 36.9 35.6 53.4
86 61.7 51.2 76.8

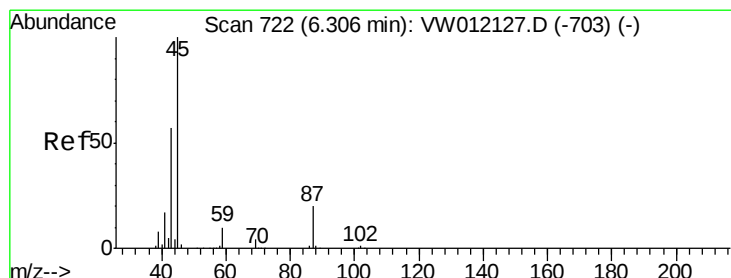
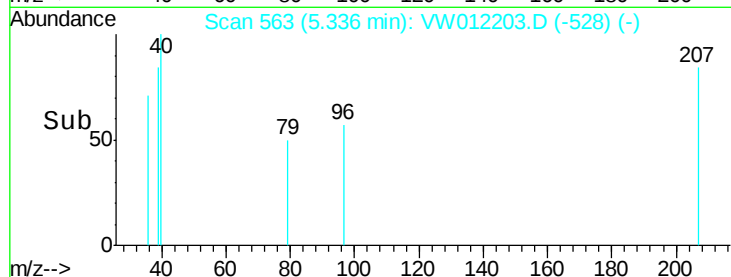
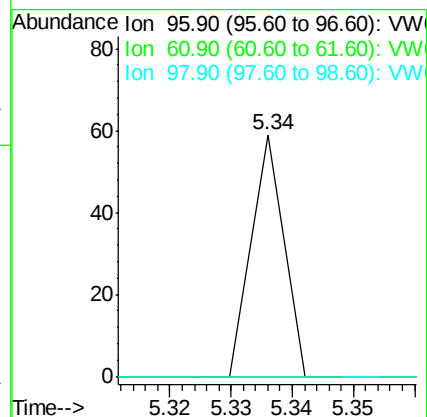
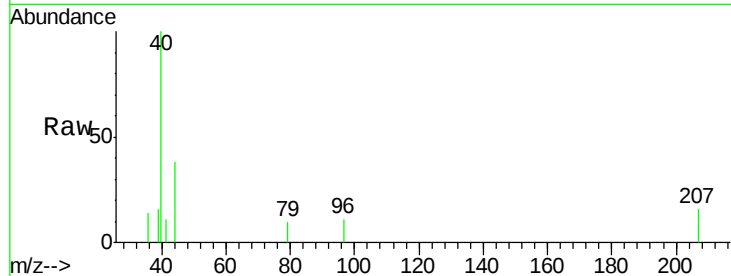




#21
trans-1,2-Dichloroethene
Concen: 6.556 ug/l
RT: 5.34 min Scan# 563
Delta R.T. -0.09 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

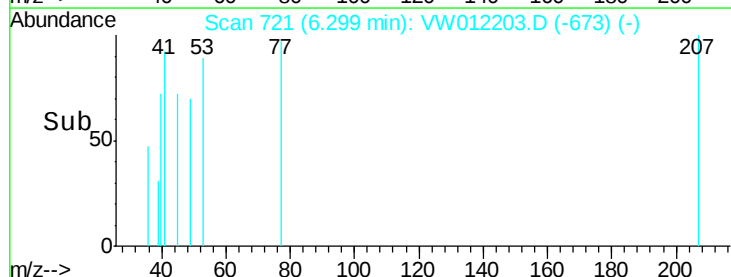
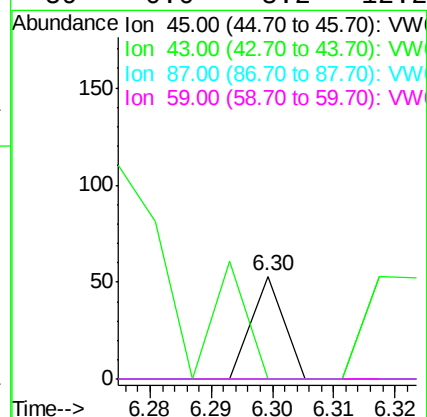
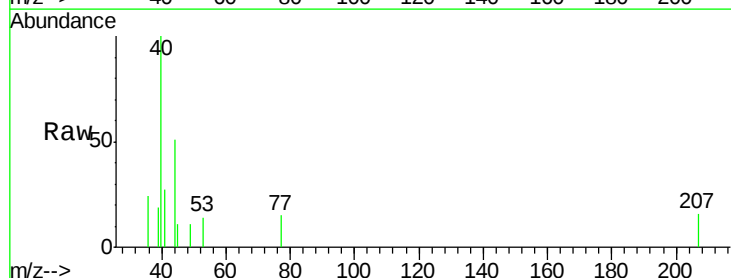
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

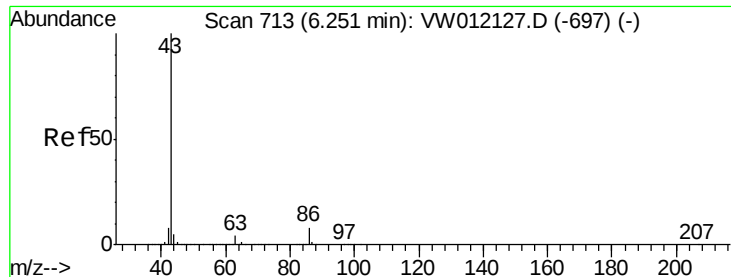
Tot Ion: 96 Resp: 22
Ion Ratio Lower Upper
96 100
61 0.0 131.4 197.0#
98 0.0 51.4 77.0#



#22
Diisopropyl ether
Concen: 1.532 ug/l
RT: 6.30 min Scan# 721
Delta R.T. -0.01 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Tgt Ion: 45 Resp: 19
Ion Ratio Lower Upper
45 100
43 0.0 45.5 68.3#
87 0.0 16.1 24.1#
59 0.0 8.2 12.2#





#23

Vinyl Acetate

Concen: 12.055 ug/l

RT: 6.27 min Scan# 717

Delta R.T. 0.02 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

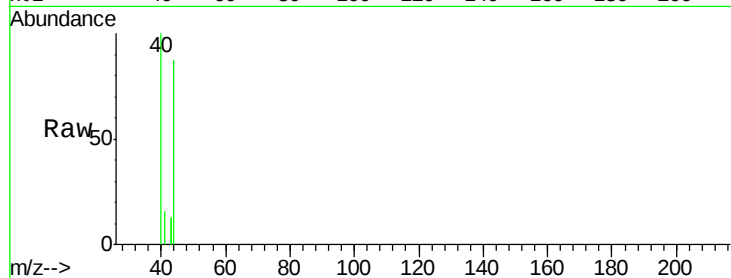
S602-M-1.0-1.5-082319MSD

Tot Ion: 43 Resp: 92

Ion Ratio Lower Upper

43 100

86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.27

120

100

80

60

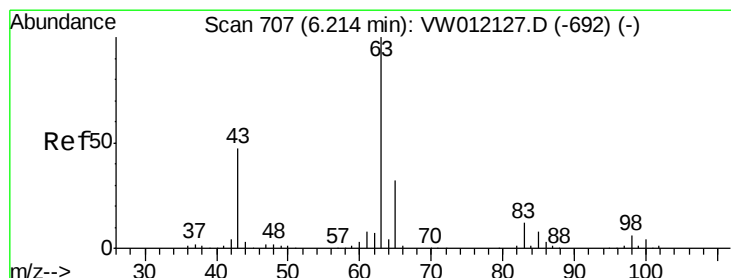
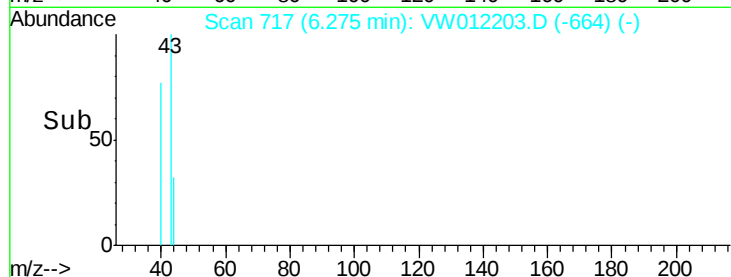
40

20

0

6.26 6.28 6.30 6.32

Time-->



#24

1,1-Dichloroethane

Concen: 2.962 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.04 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

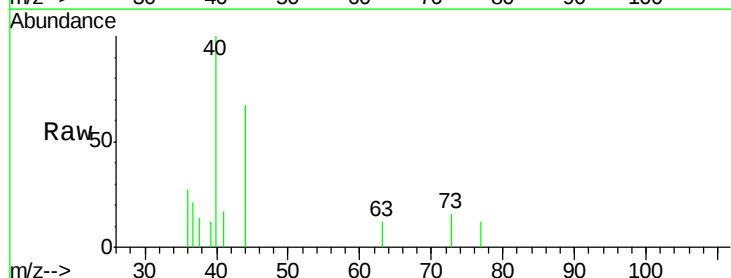
Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.2#

100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.26

60

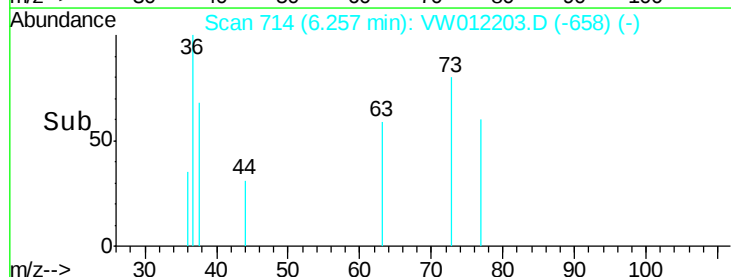
40

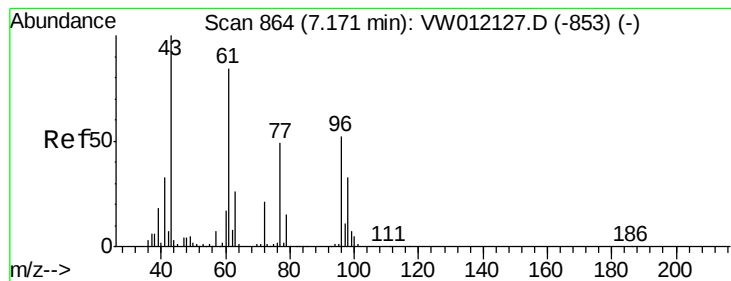
20

0

6.24 6.25 6.26 6.27

Time-->





#25

2-Butanone

Concen: 3766.899 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

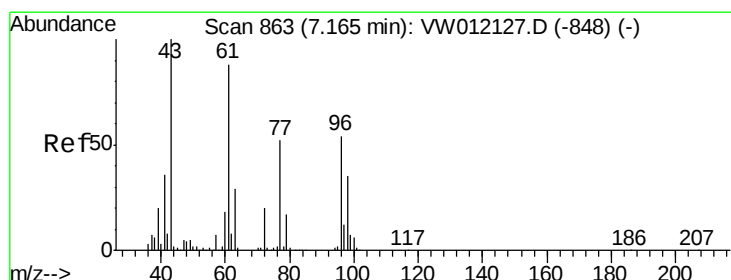
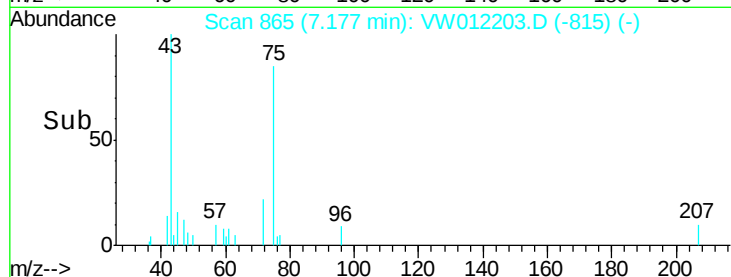
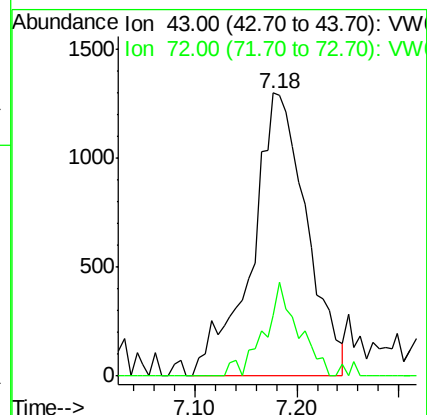
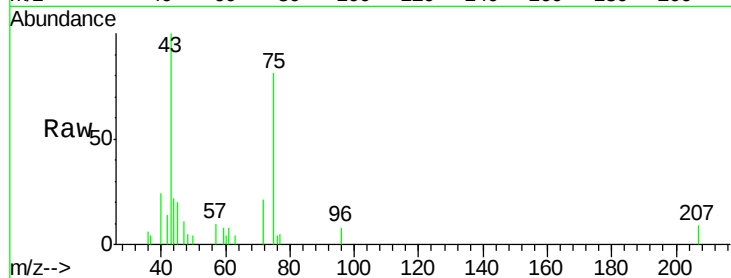
S602-M-1.0-1.5-082319MSD

Tot Ion: 43 Resp: 4853

Ion Ratio Lower Upper

43 100

72 21.2 16.6 24.8



#26

2,2-Dichloropropane

Concen: 183.156 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012203.D

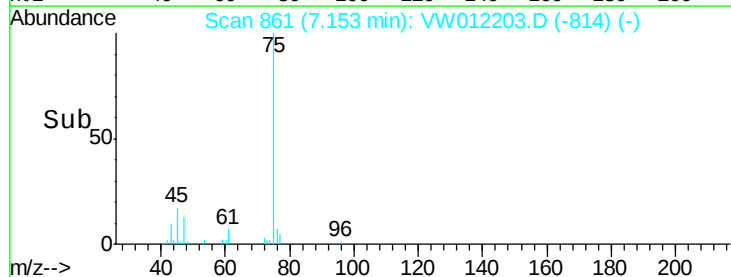
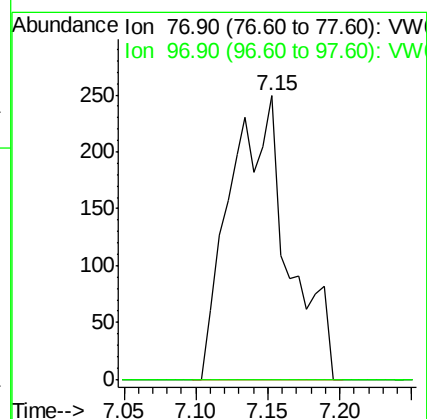
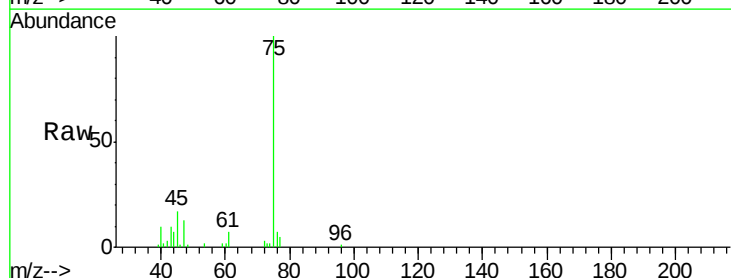
Acq: 27 Aug 2019 11:06

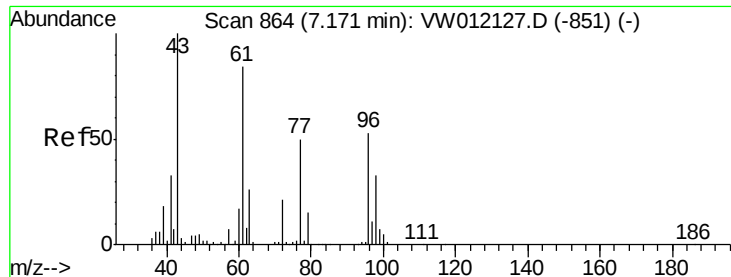
Tgt Ion: 77 Resp: 700

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.1#





#27

cis-1,2-Dichloroethene

Concen: 49.087 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

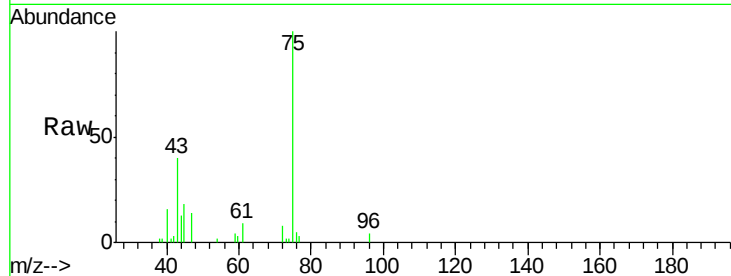
Tot Ion: 96 Resp: 176

Ion Ratio Lower Upper

96 100

61 490.9 0.0 326.6#

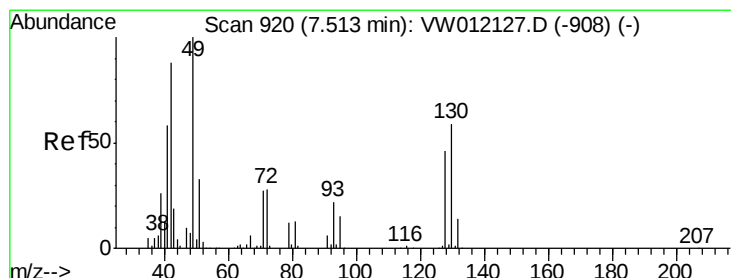
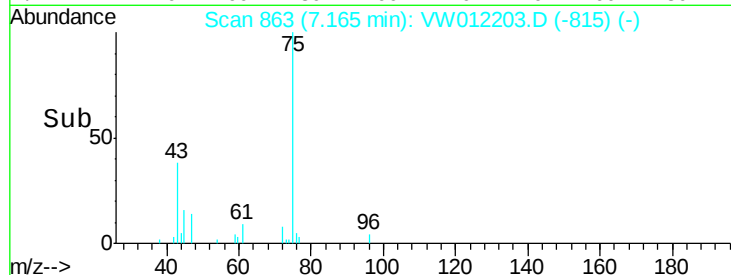
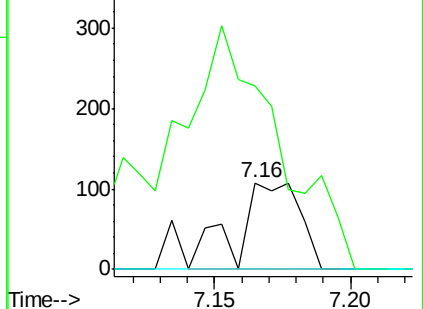
98 0.0 0.0 127.4



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: 7.475 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.03 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

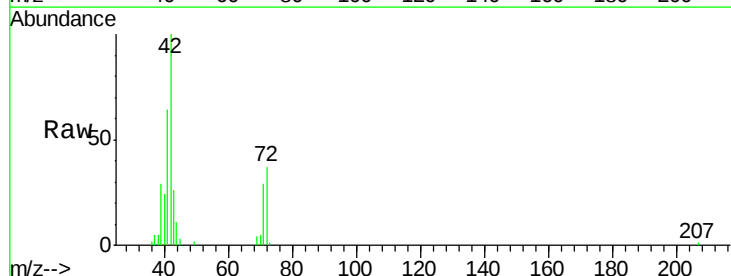
Tgt Ion: 49 Resp: 22

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.4

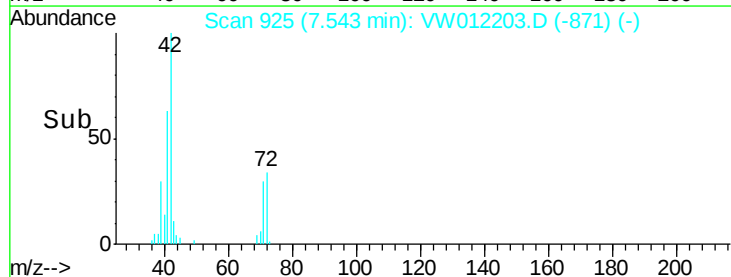
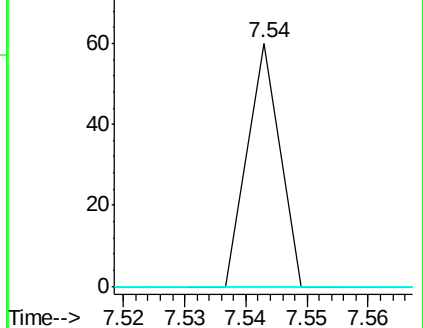
130 0.0 45.5 68.3#

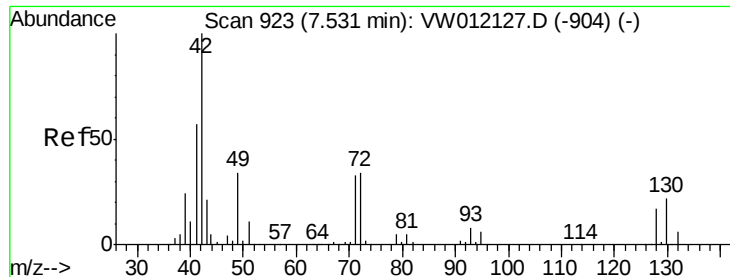


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 17249.673 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

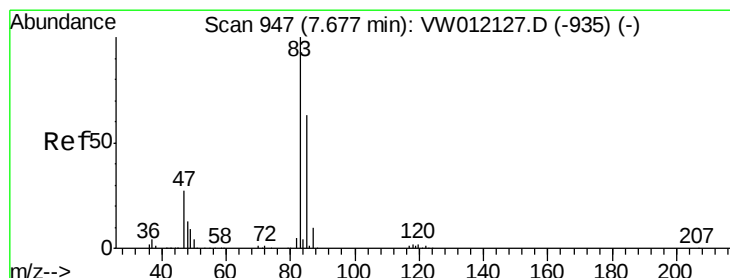
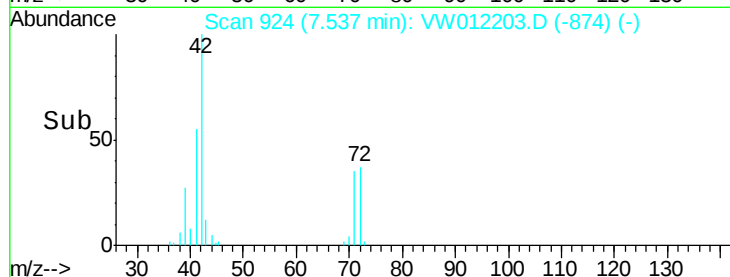
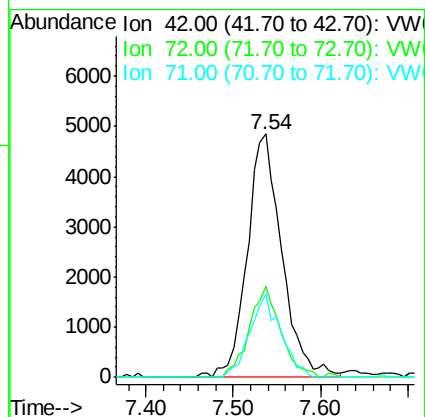
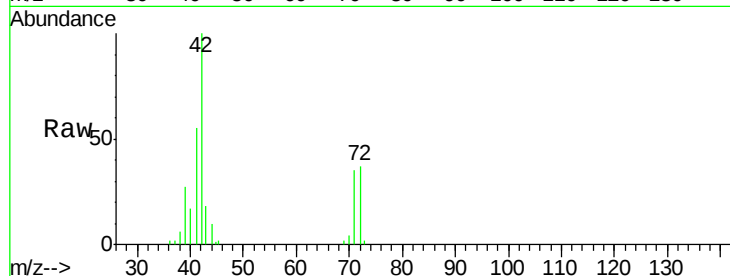
Tot Ion: 42 Resp: 13333

Ion Ratio Lower Upper

42 100

72 33.5 27.3 40.9

71 30.5 25.5 38.3



#30

Chloroform

Concen: 8.579 ug/l

RT: 7.66 min Scan# 945

Delta R.T. -0.01 min

Lab File: VW012203.D

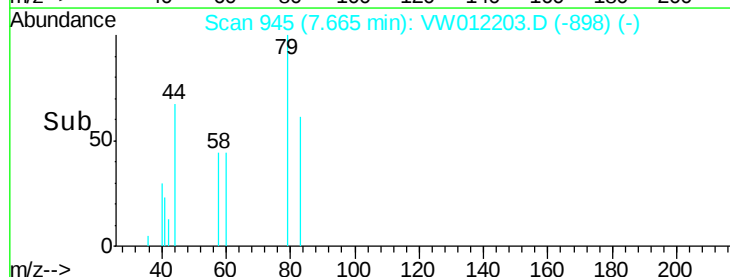
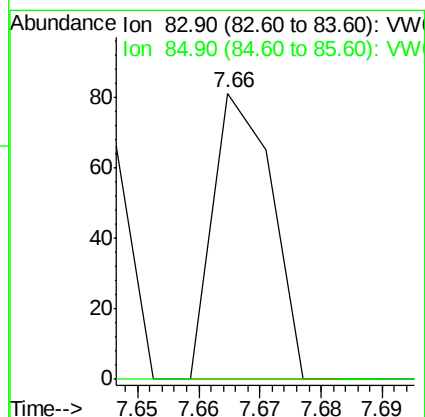
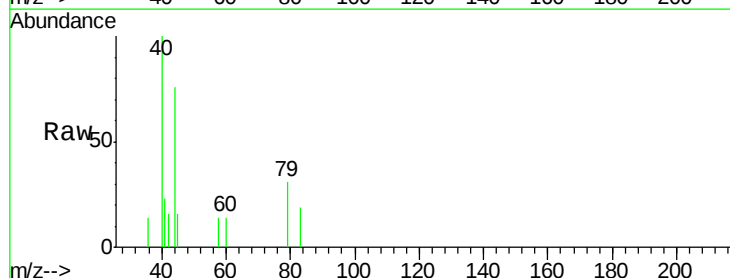
Acq: 27 Aug 2019 11:06

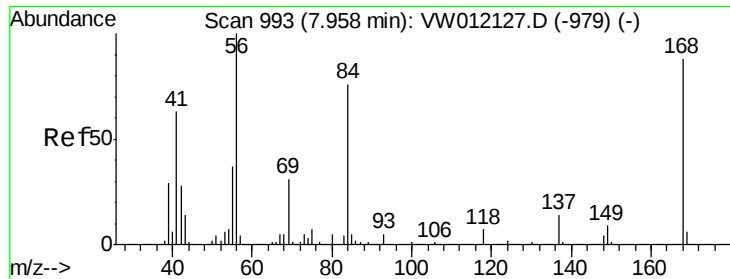
Tgt Ion: 83 Resp: 53

Ion Ratio Lower Upper

83 100

85 0.0 50.6 76.0#

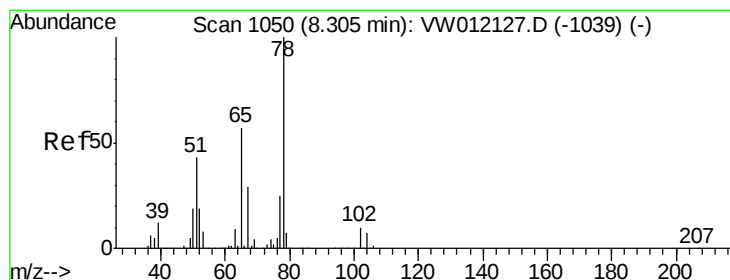
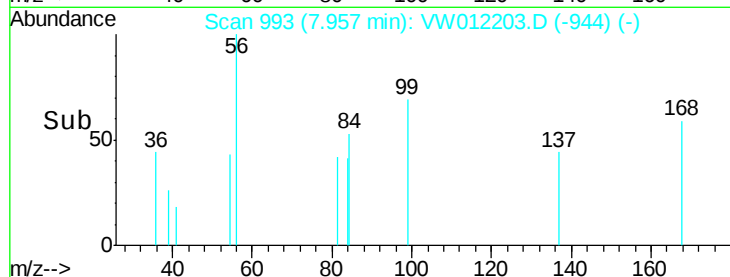
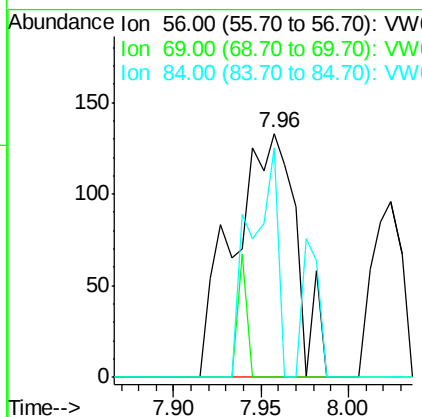
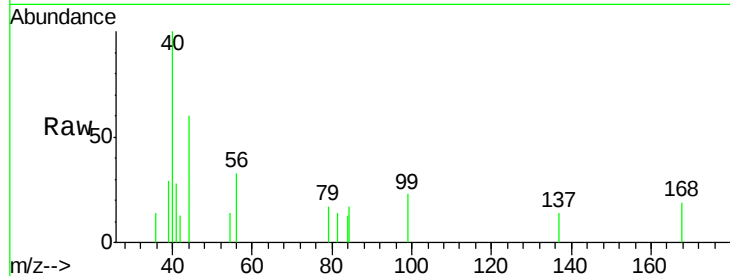




#31
Cyclohexane
Concen: 49.846 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

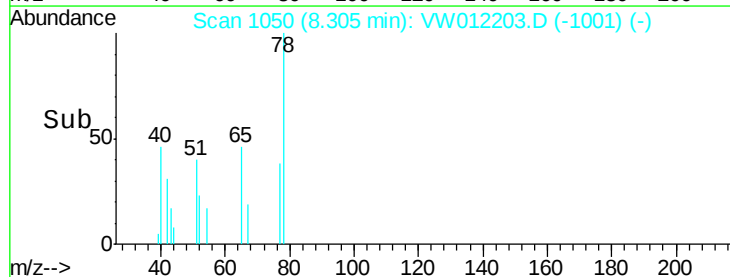
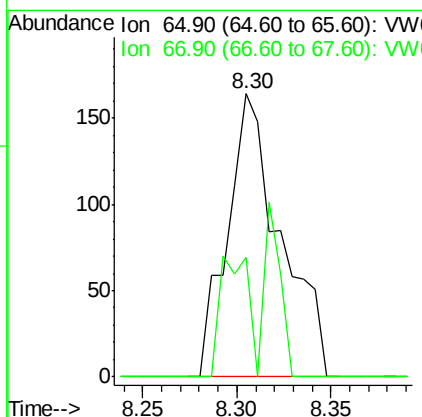
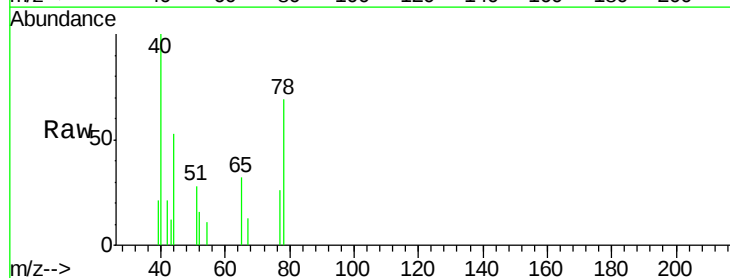
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

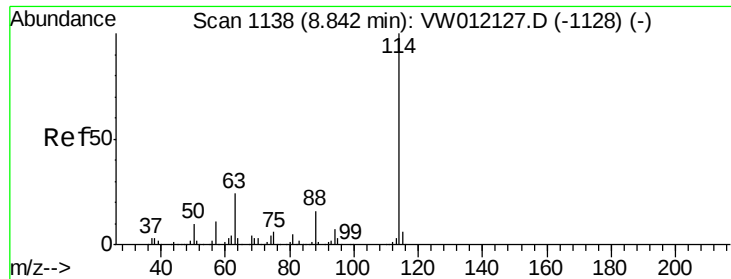
Tot Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
69 0.0 24.9 37.3#
84 94.0 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 86.279 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Tgt Ion: 65 Resp: 320
Ion Ratio Lower Upper
65 100
67 18.4 0.0 102.6

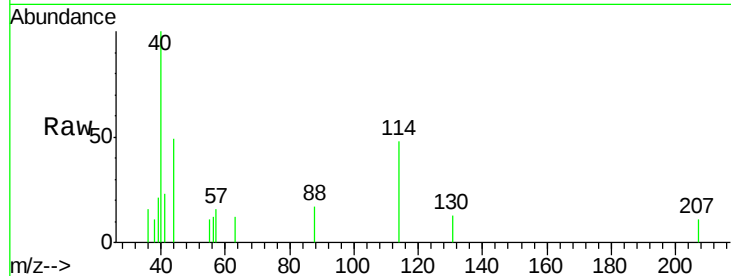




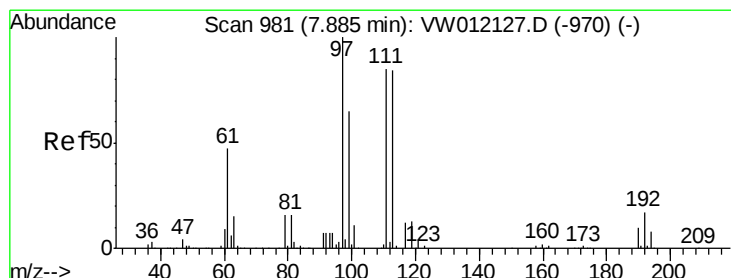
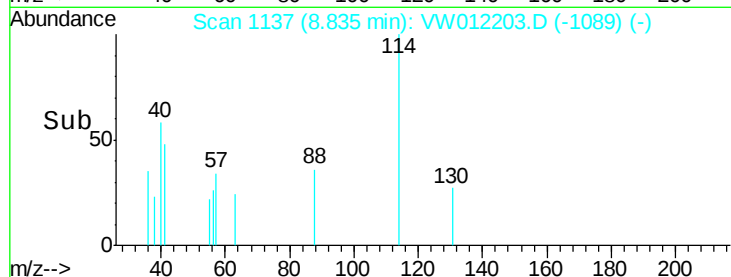
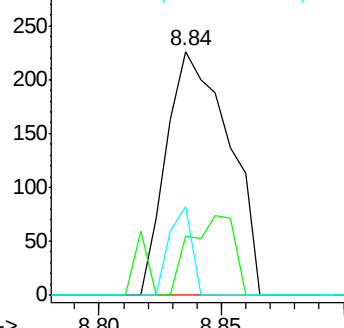
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

Tot Ion:114 Resp: 402
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 36.3 0.0 32.2#

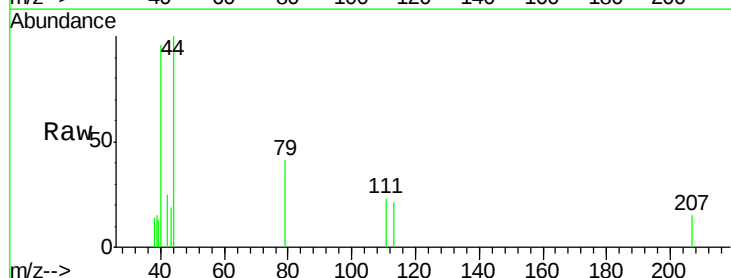


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

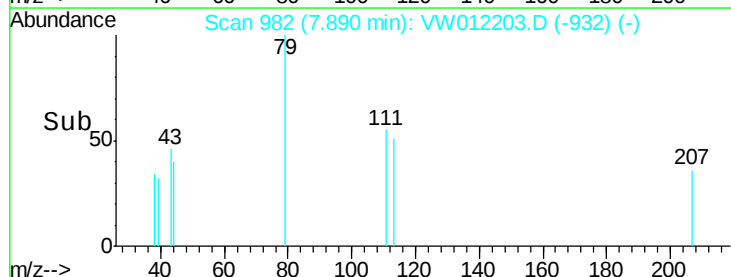
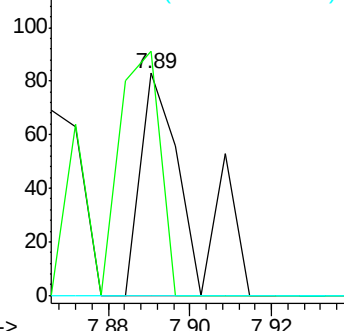


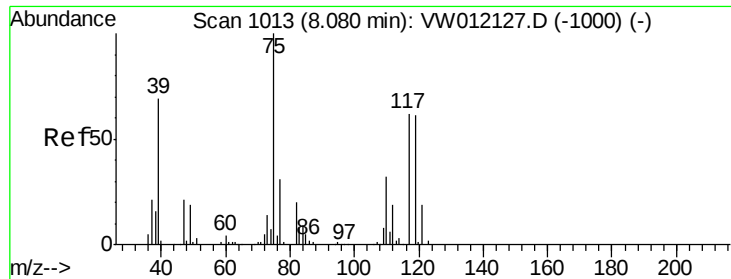
#35
 Dibromofluoromethane
 Concen: 29.172 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

Tgt Ion:113 Resp: 70
 Ion Ratio Lower Upper
 113 100
 111 122.9 82.7 124.1
 192 0.0 16.2 24.2#



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.296 ug/l

RT: 8.02 min Scan# 1003

Delta R.T. -0.06 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

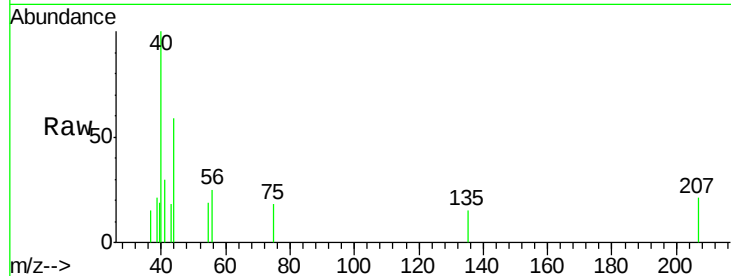
Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

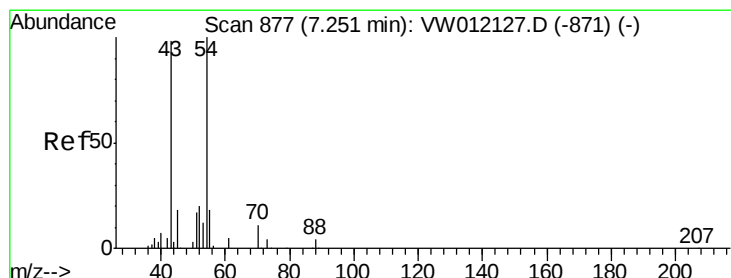
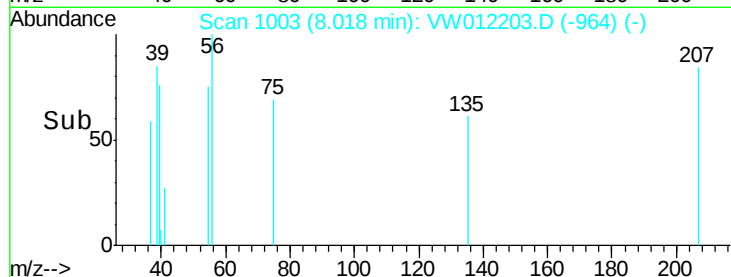
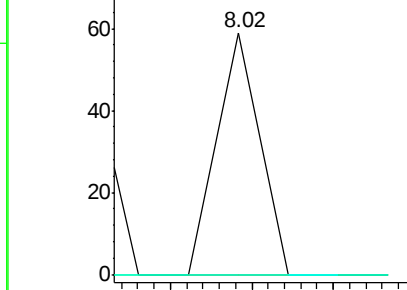
Tot Ion:	75	Resp:	22
Ion	Ratio	Lower	Upper
75	100		
110	0.0	15.6	46.8#
77	0.0	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 2131.835 ug/l

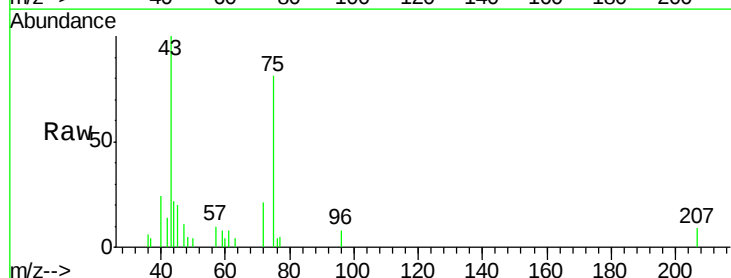
RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

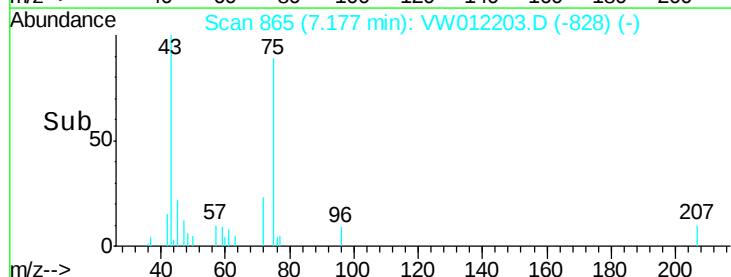
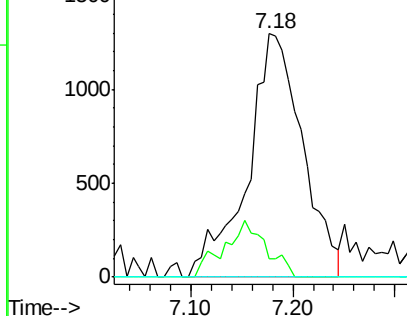
Tgt Ion:	43	Resp:	4853
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.2	13.8#
70	0.0	6.9	10.3#

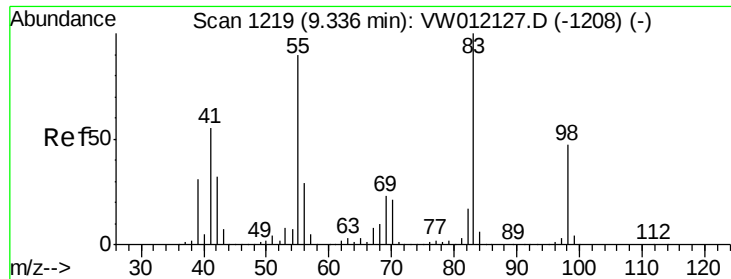


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

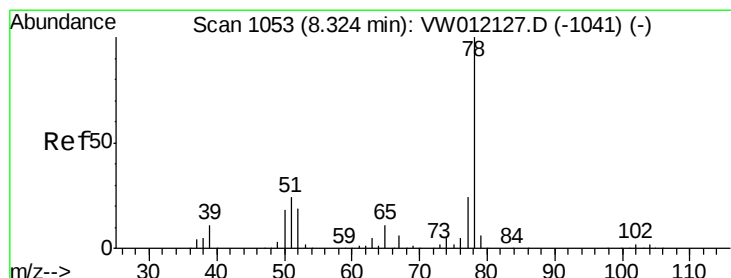
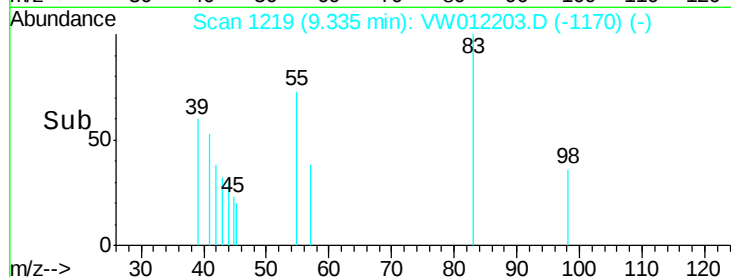
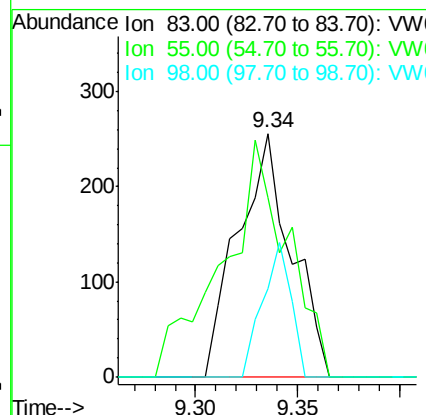
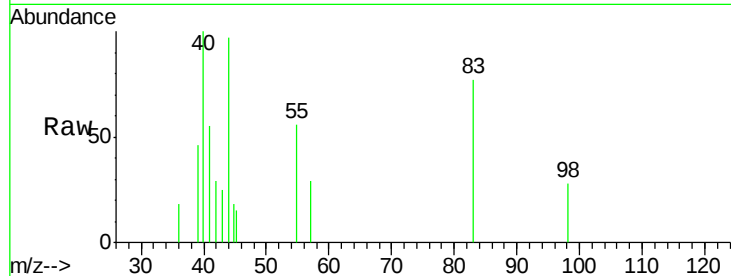




#39
Methvlcvclohexane
Concen: 100.066 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

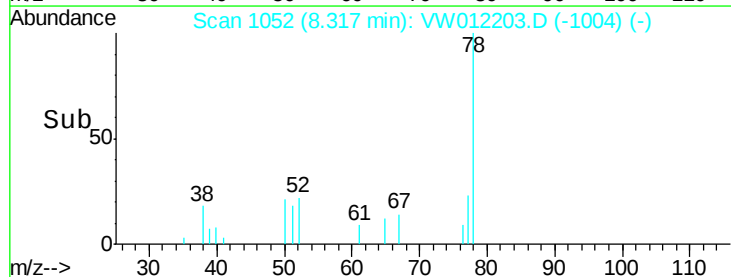
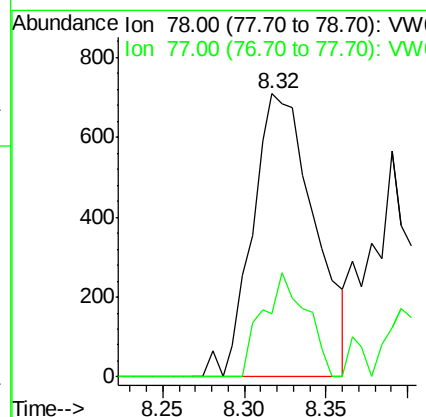
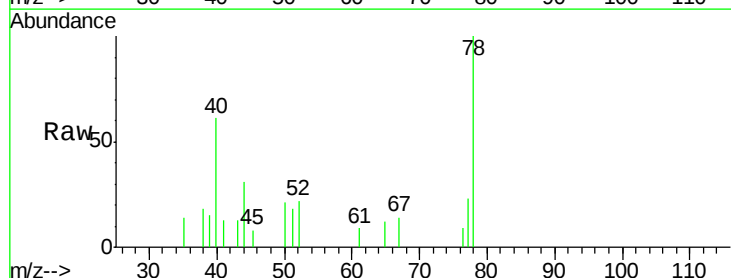
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

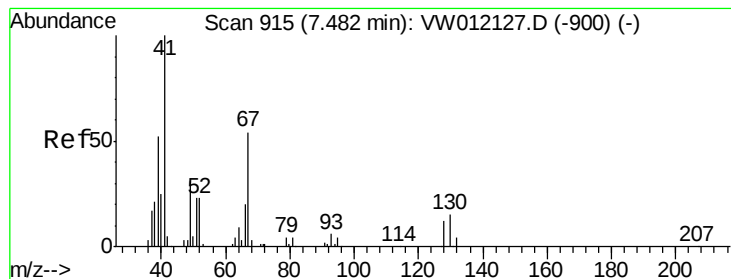
Tot Ion: 83 Resp: 467
Ion Ratio Lower Upper
83 100
55 73.4 71.8 107.8
98 36.3 37.8 56.8#



#40
Benzene
Concen: 164.502 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Tgt Ion: 78 Resp: 1866
Ion Ratio Lower Upper
78 100
77 22.6 19.5 29.3





#41

Methacrylonitrile

Concen: 5668.394 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

Tot Ion: 41 Resp: 7584

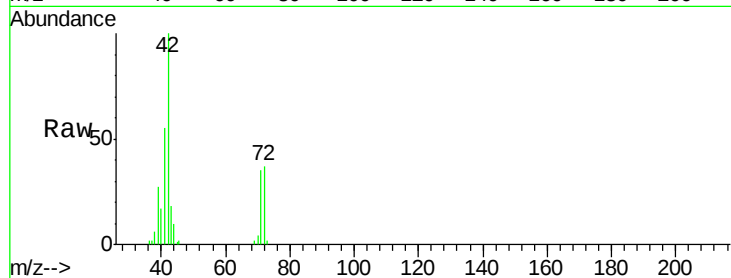
Ion Ratio Lower Upper

41 100

39 43.3 45.8 68.8#

67 0.3 46.2 69.4#

52 0.0 21.0 31.6#

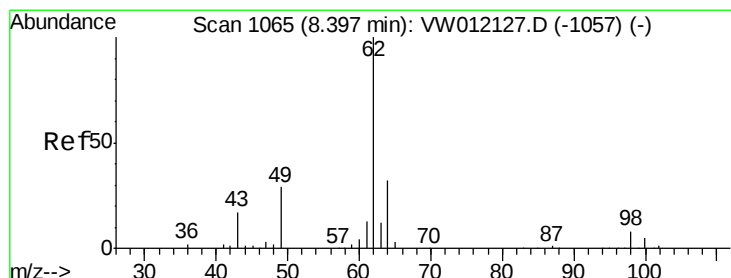
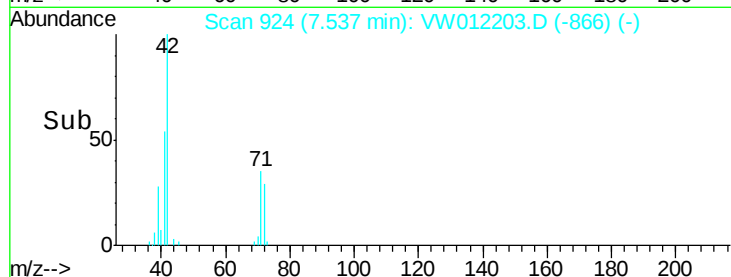
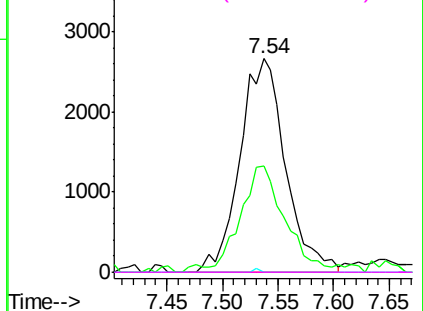


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 11.533 ug/l

RT: 8.19 min Scan# 1031

Delta R.T. -0.21 min

Lab File: VW012203.D

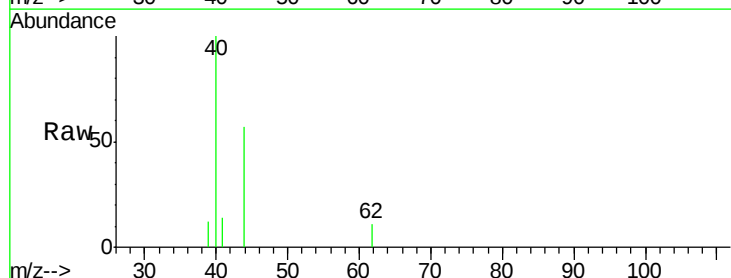
Acq: 27 Aug 2019 11:06

Tgt Ion: 62 Resp: 41

Ion Ratio Lower Upper

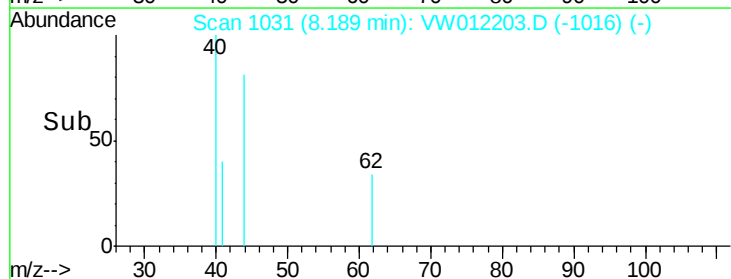
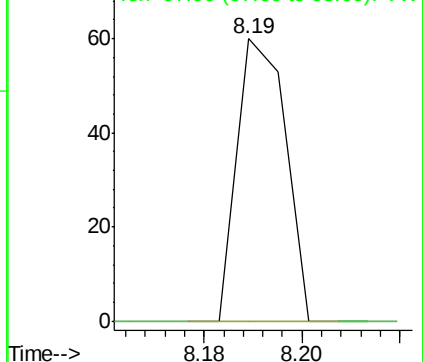
62 100

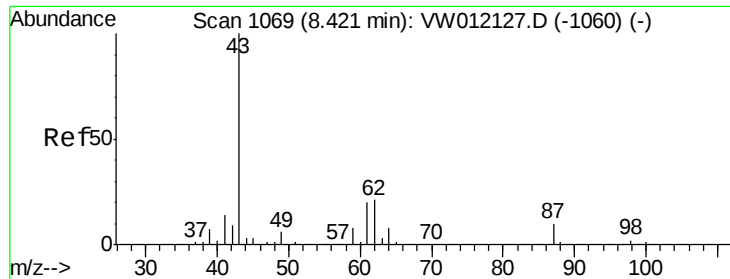
98 0.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 72.806 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

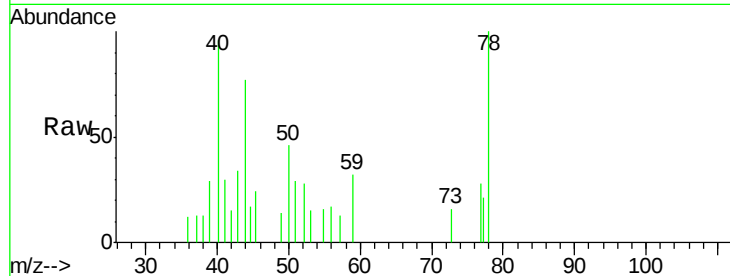
Tot Ion: 43 Resp: 307

Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

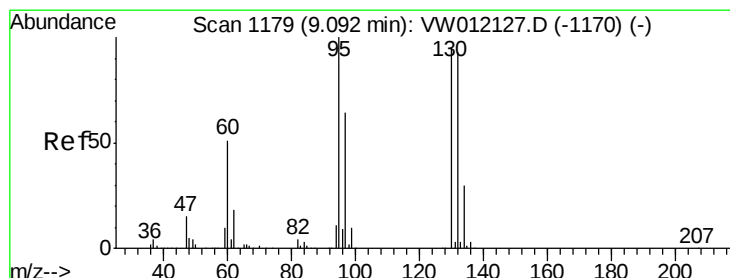
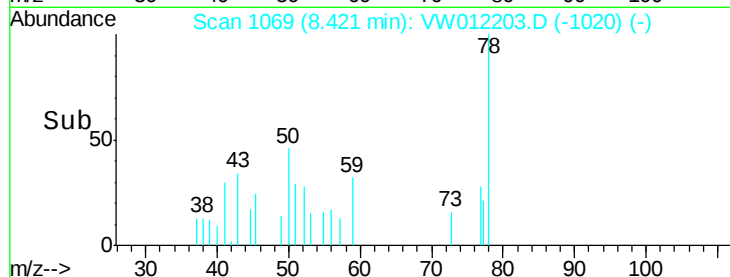
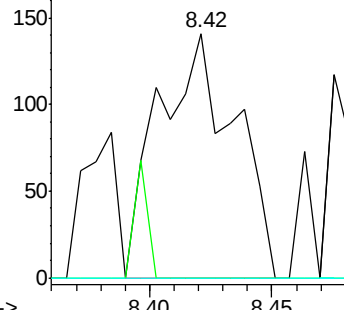
87 0.0 8.2 12.2#



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: 194.377 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW012203.D

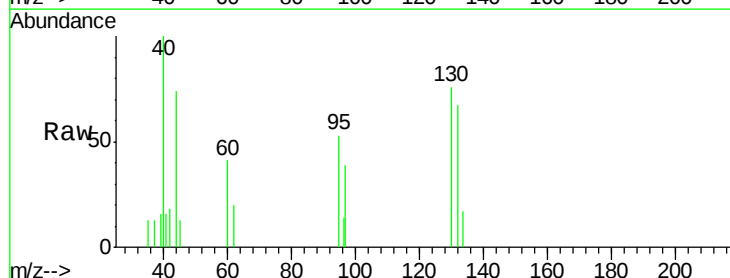
Acq: 27 Aug 2019 11:06

Tgt Ion: 130 Resp: 536

Ion Ratio Lower Upper

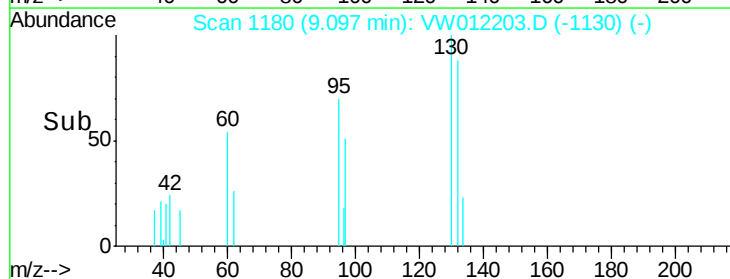
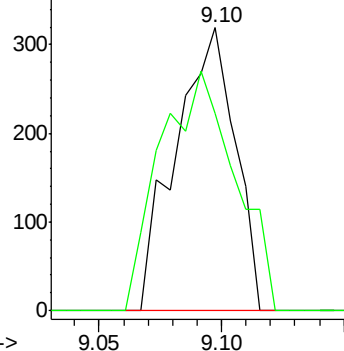
130 100

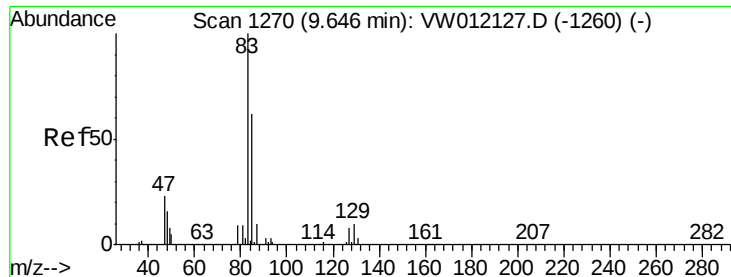
95 69.9 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#47

Bromodichloromethane

Concen: 4.979 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. -0.14 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

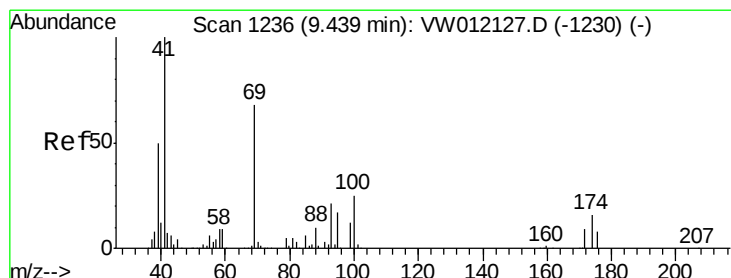
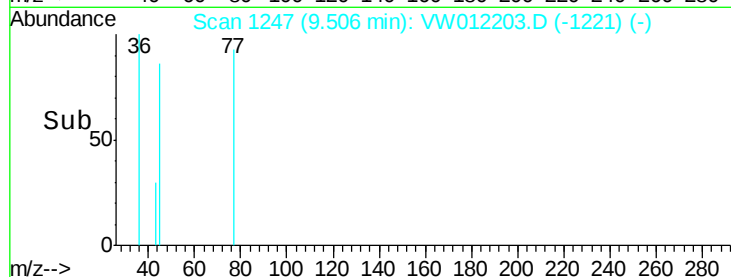
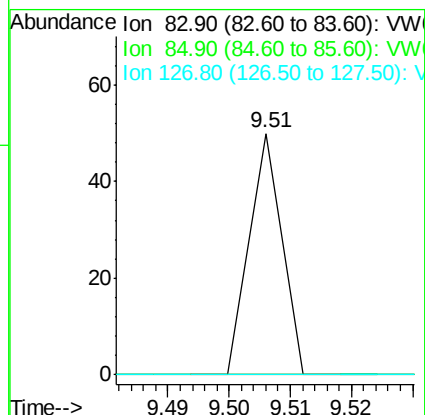
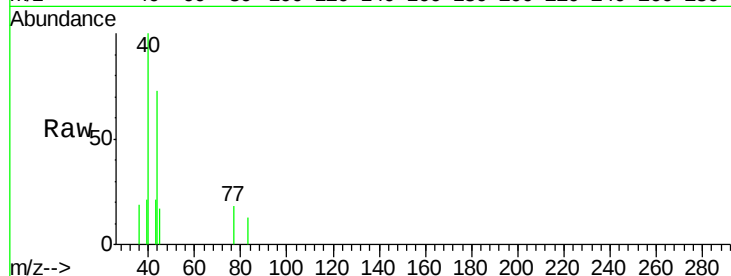
Tot Ion: 83 Resp: 18

Ion Ratio Lower Upper

83 100

85 0.0 49.4 74.2#

127 0.0 6.1 9.1#



#48

Methyl methacrylate

Concen: 143.503 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

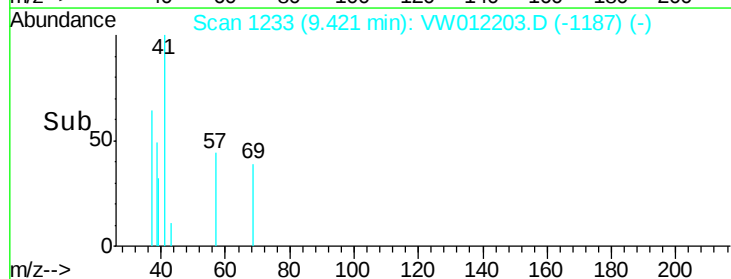
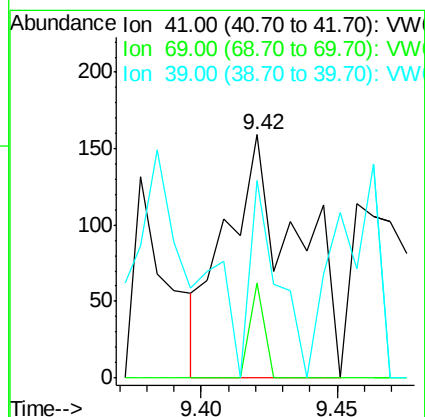
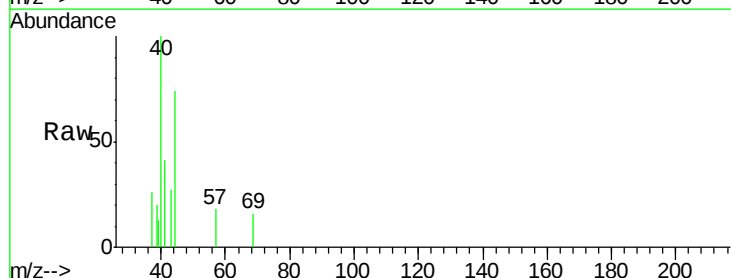
Tgt Ion: 41 Resp: 288

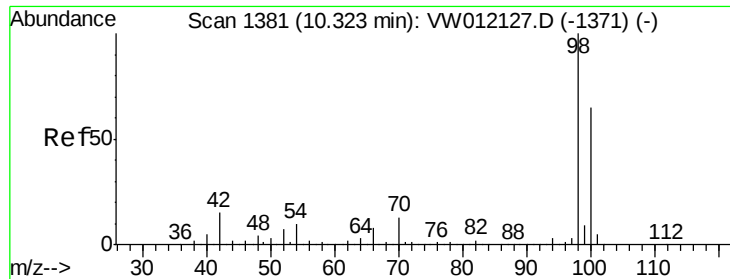
Ion Ratio Lower Upper

41 100

69 8.0 56.7 85.1#

39 31.3 42.0 63.0#





#50

Toluene-d8

Concen: 61.360 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

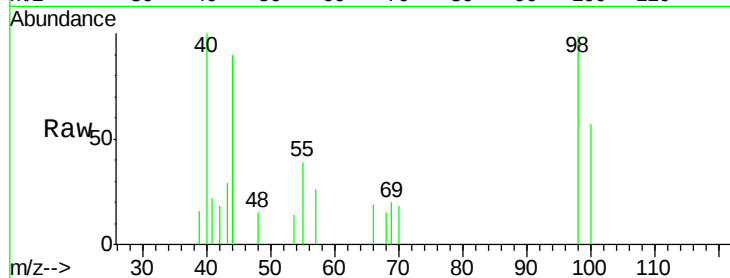
S602-M-1.0-1.5-082319MSD

Tot Ion: 98 Resp: 597

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

300

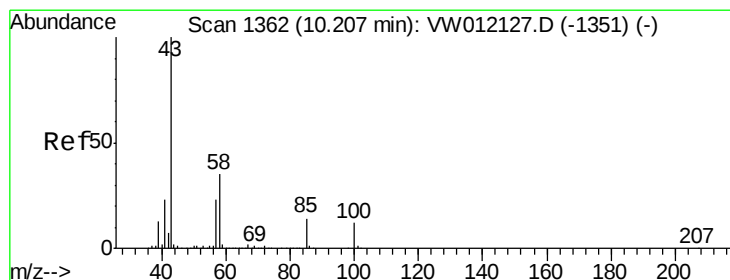
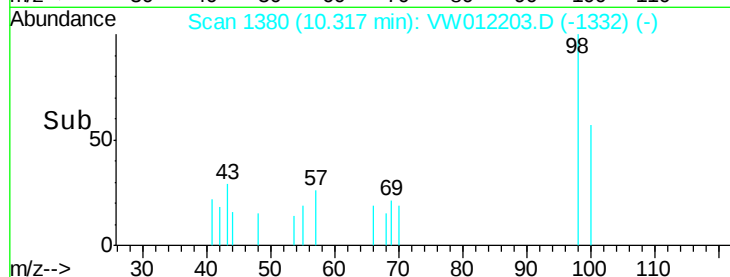
200

100

0

10.30 10.32 10.34

Time-->



#51

4-Methyl-2-Pentanone

Concen: 57.816 ug/l

RT: 9.94 min Scan# 1319

Delta R.T. -0.26 min

Lab File: VW012203.D

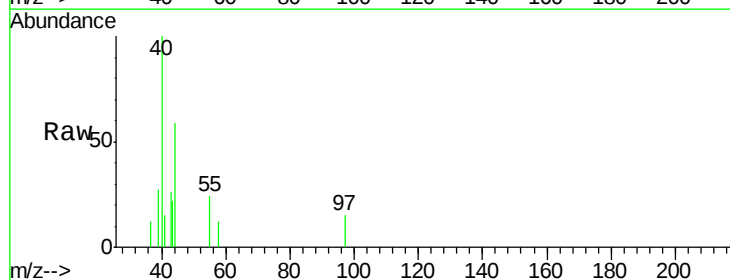
Acq: 27 Aug 2019 11:06

Tgt Ion: 43 Resp: 124

Ion Ratio Lower Upper

43 100

58 35.5 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

9.94

200

150

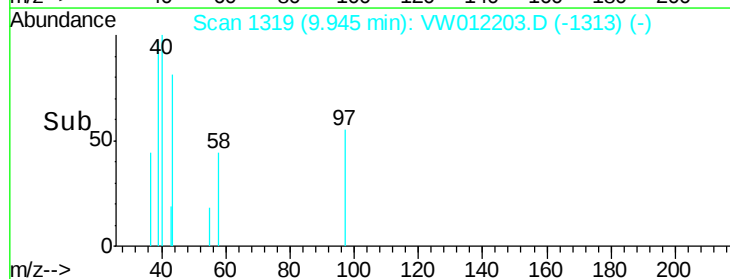
100

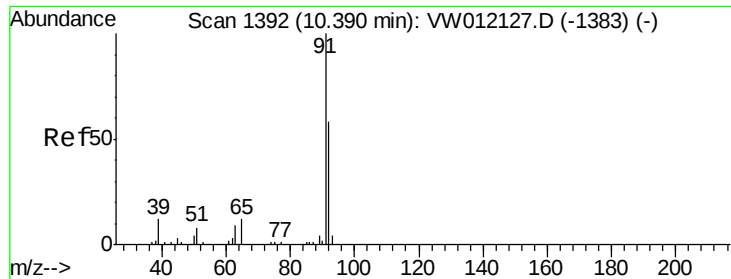
50

0

9.92 9.94 9.96

Time-->





#52

Toluene

Concen: 871.823 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

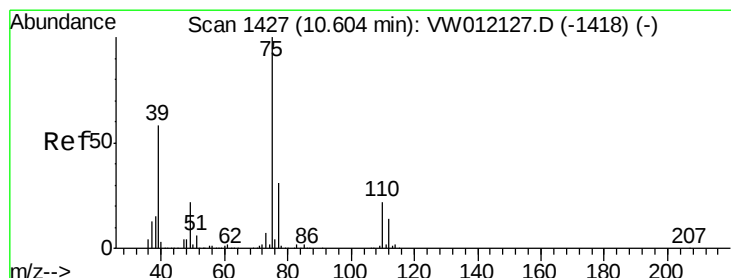
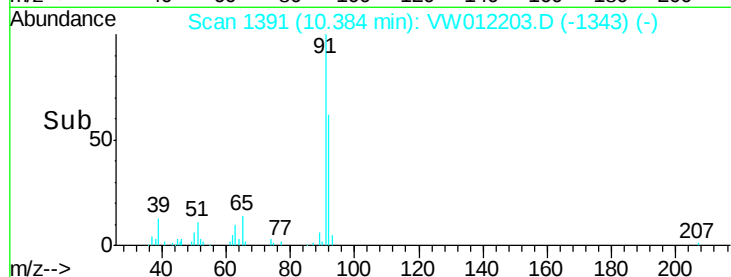
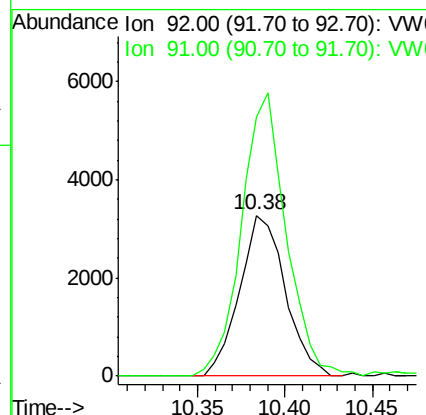
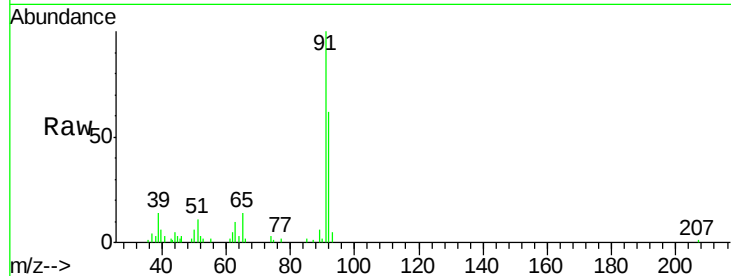
S602-M-1.0-1.5-082319MSD

Tot Ion: 92 Resp: 5941

Ion Ratio Lower Upper

92 100

91 172.2 136.6 204.8



#53

t-1,3-Dichloropropene

Concen: 76.582 ug/l

RT: 10.70 min Scan# 1443

Delta R.T. 0.10 min

Lab File: VW012203.D

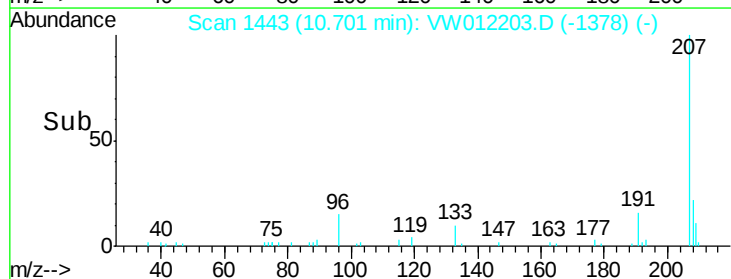
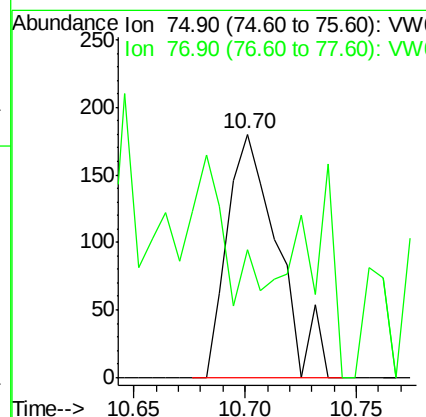
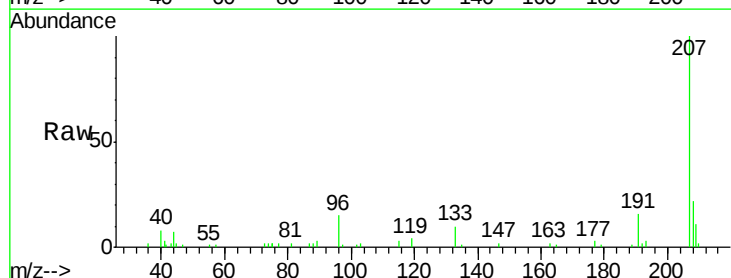
Acq: 27 Aug 2019 11:06

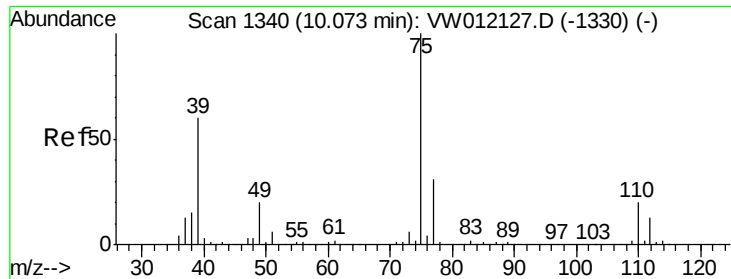
Tgt Ion: 75 Resp: 282

Ion Ratio Lower Upper

75 100

77 52.8 25.0 37.4#





#54

cis-1,3-Dichloropropene

Concen: 4.948 ug/l

RT: 10.12 min Scan# 1348

Delta R.T. 0.05 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

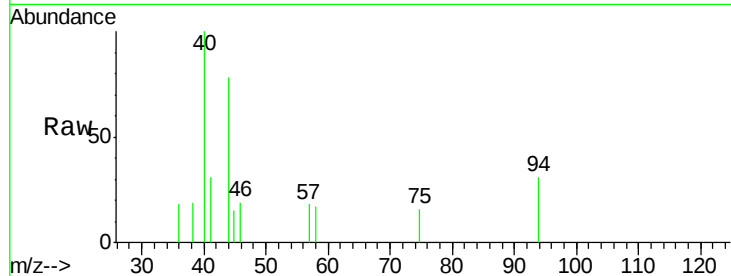
Tot Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

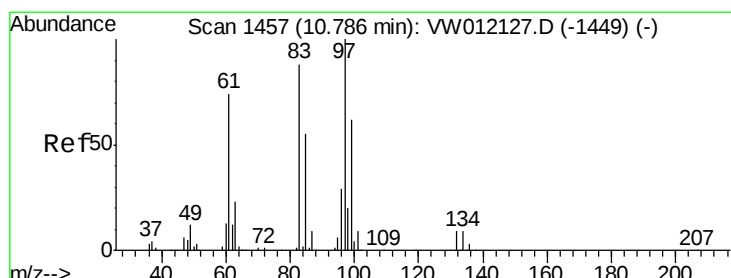
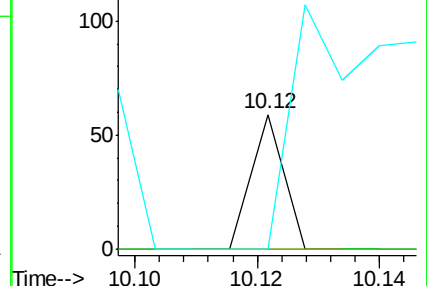
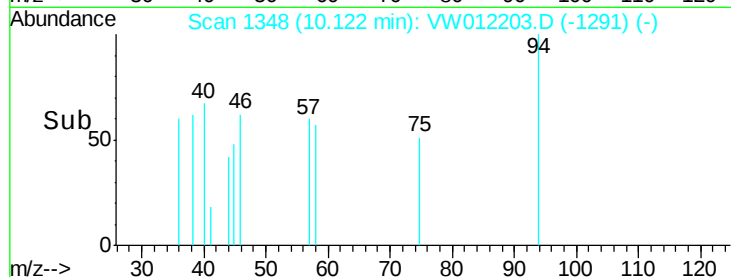
39 0.0 48.3 72.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 38.505 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Tgt Ion: 97 Resp: 74

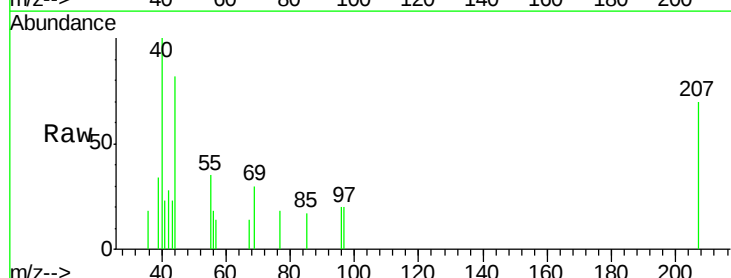
Ion Ratio Lower Upper

97 100

83 0.0 70.8 106.2#

85 85.5 43.8 65.8#

99 0.0 49.8 74.6#

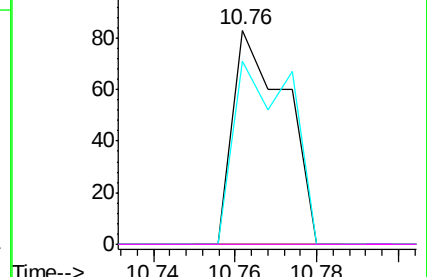
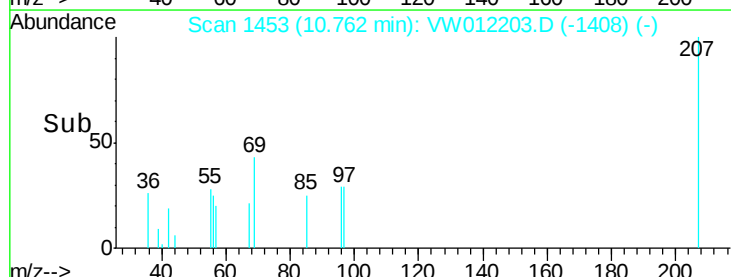


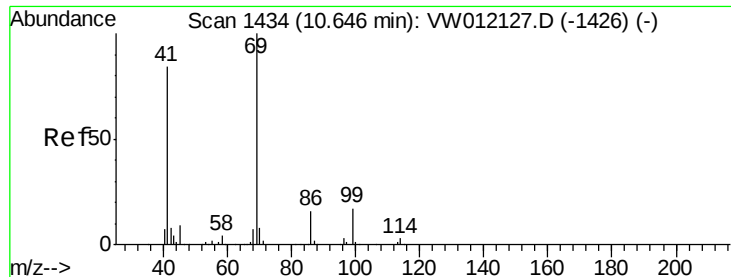
Abundance Ion 96.90 (96.60 to 97.60): VW

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: 37.540 ug/l

RT: 10.63 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

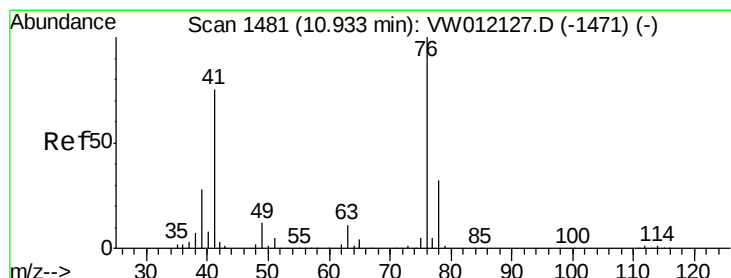
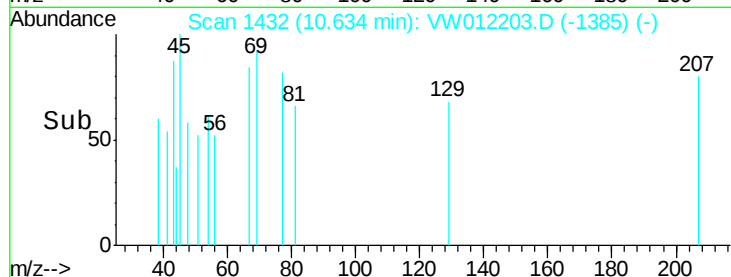
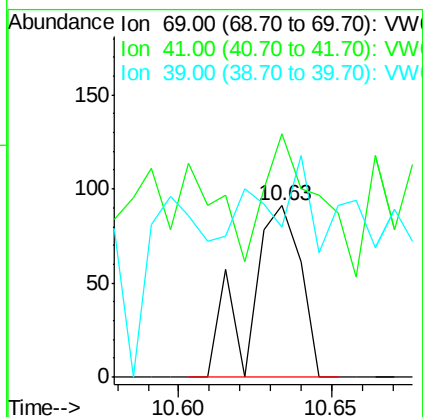
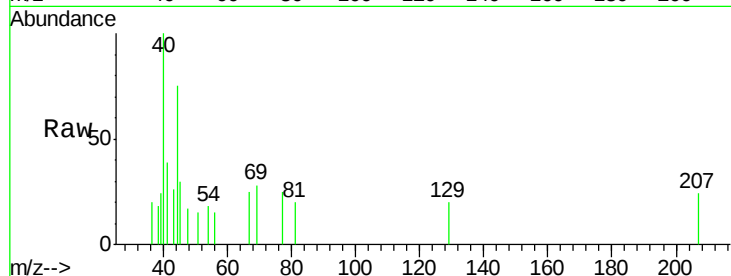
Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

Tot Ion:	69.00	Resp:	105
Ion	Ratio	Lower	Upper
69	100		
41	86.7	66.5	99.7
39	0.0	31.0	46.4#



#57

1,3-Dichloropropane

Concen: 7.434 ug/l

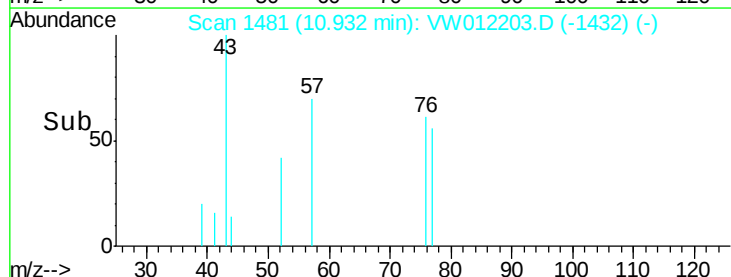
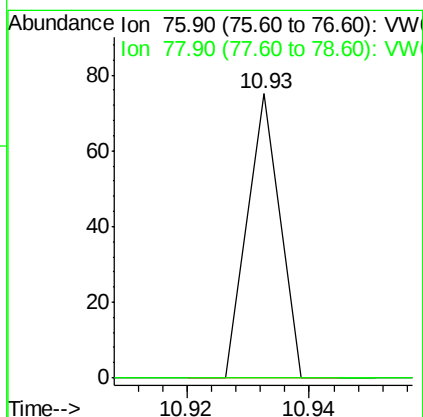
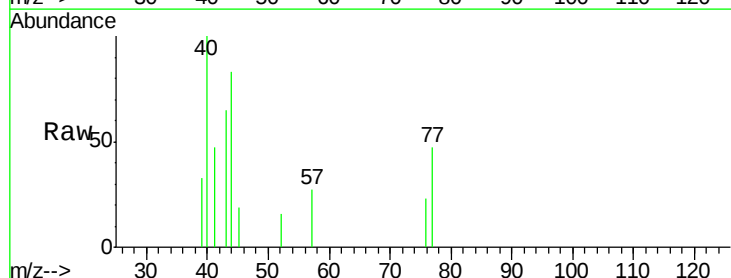
RT: 10.93 min Scan# 1481

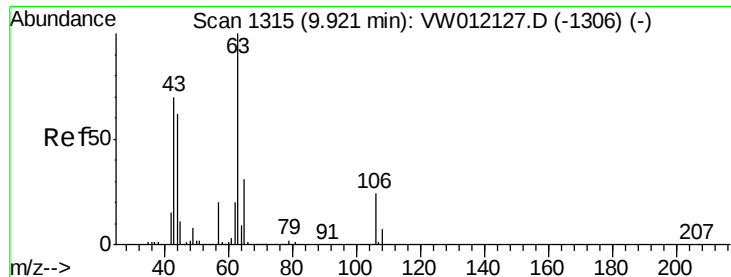
Delta R.T. -0.00 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Tgt Ion:	76	Resp:	27
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#

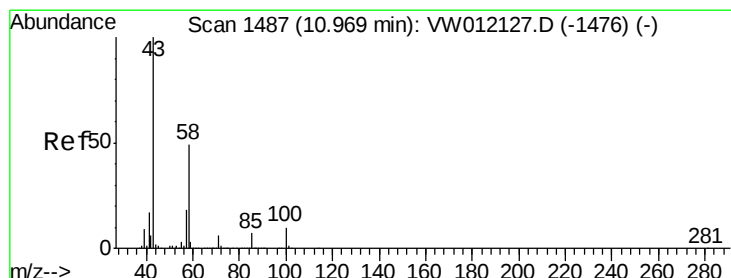
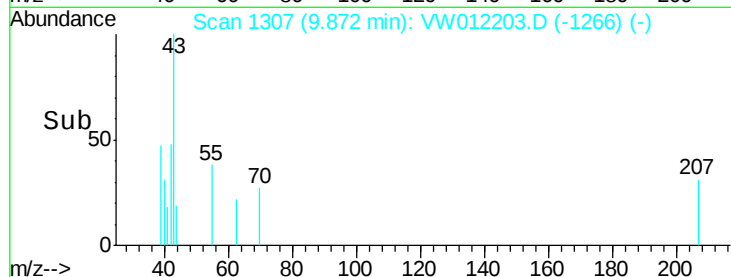
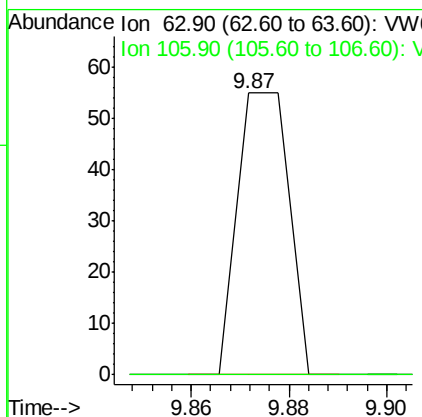
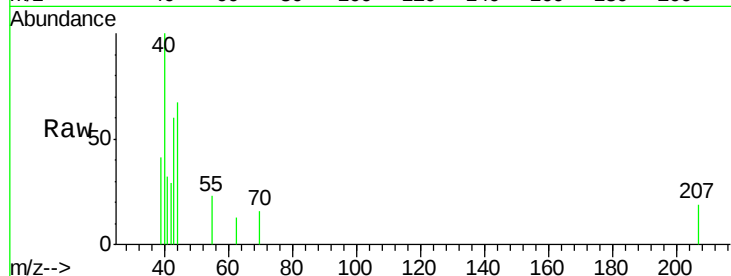




#58
 2-Chloroethyl Vinyl ether
 Concen: 27.865 ug/l
 RT: 9.87 min Scan# 1307
 Delta R.T. -0.05 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

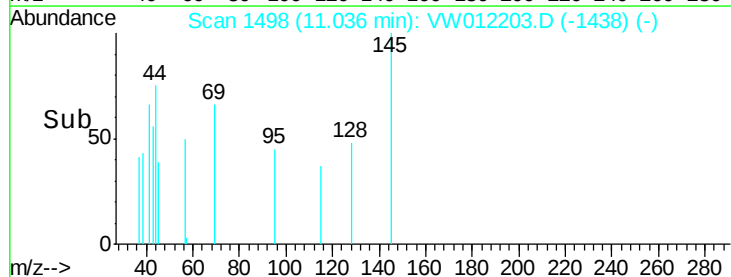
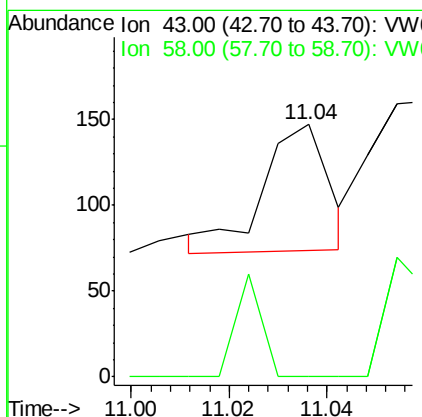
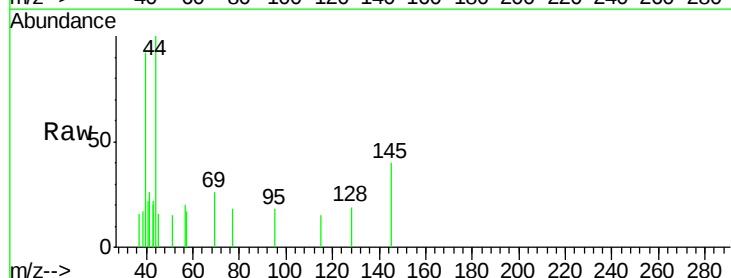
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

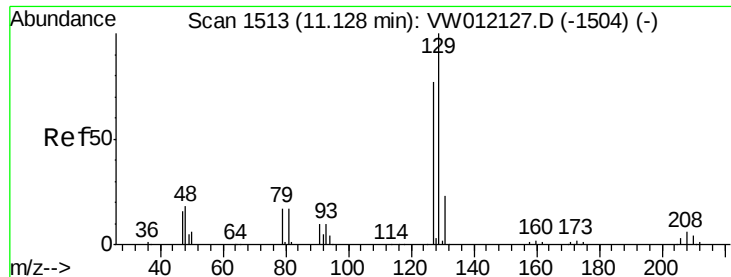
Tot Ion: 63 Resp: 40
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.8 29.8#



#59
 2-Hexanone
 Concen: 44.809 ug/l
 RT: 11.04 min Scan# 1498
 Delta R.T. 0.07 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 58 32.4 24.3 72.9





#60

Dibromochloromethane

Concen: 11.679 ug/l

RT: 11.08 min Scan# 1506

Delta R.T. -0.04 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

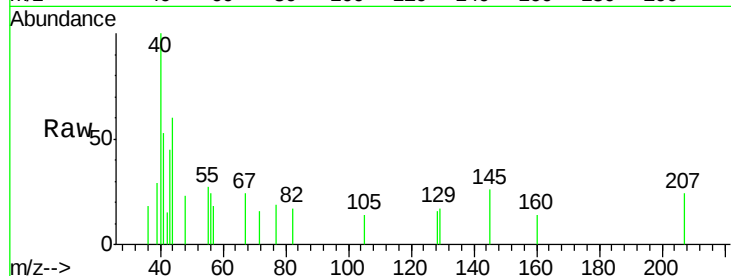
S602-M-1.0-1.5-082319MSD

Tot Ion:129 Resp: 25

Ion Ratio Lower Upper

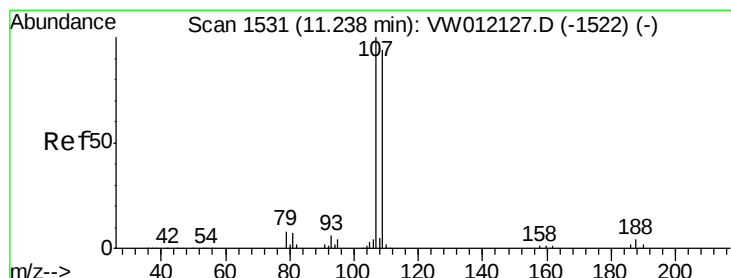
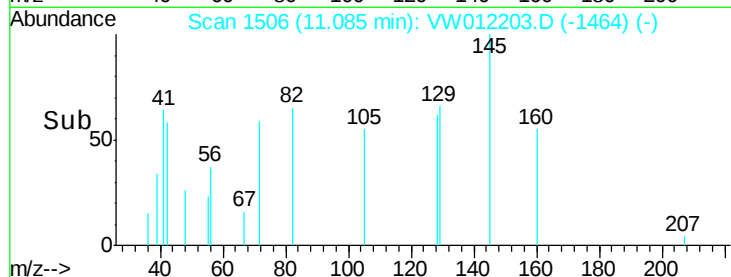
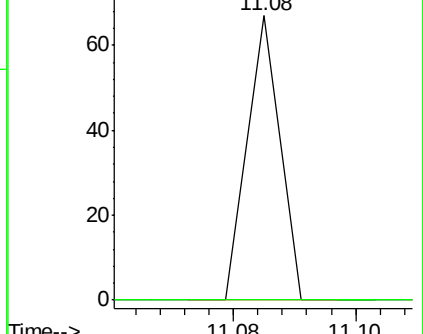
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 12.846 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.27 min

Lab File: VW012203.D

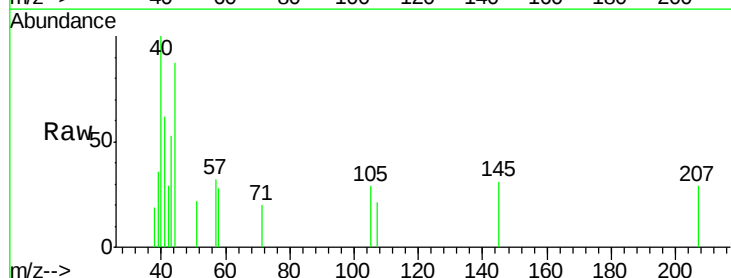
Acq: 27 Aug 2019 11:06

Tgt Ion:107 Resp: 23

Ion Ratio Lower Upper

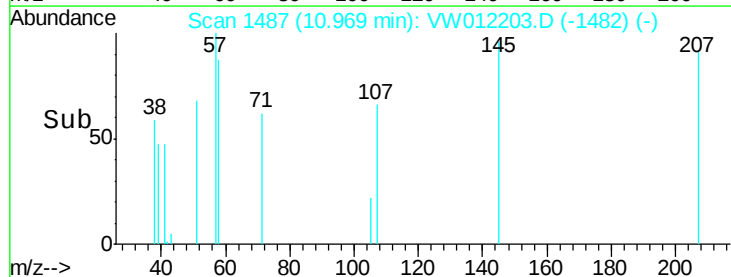
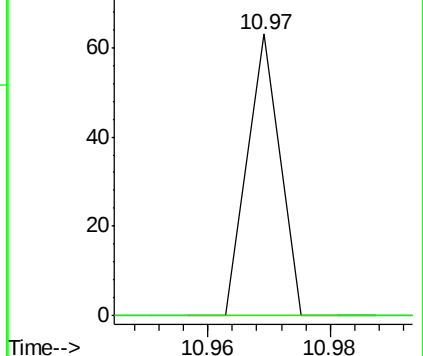
107 100

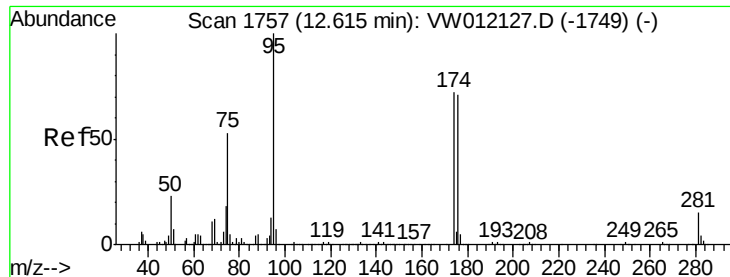
109 0.0 75.4 113.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 207.311 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

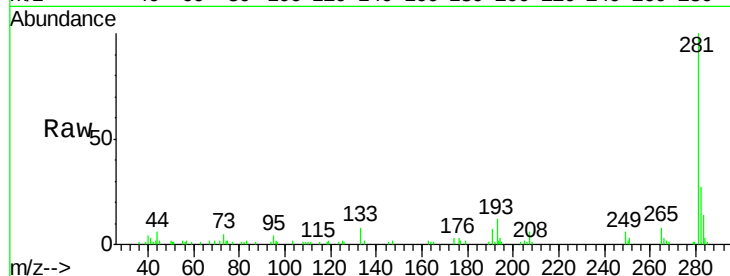
Tot Ion: 95 Resp: 711

Ion Ratio Lower Upper

95 100

174 59.1 0.0 150.8

176 60.3 0.0 148.6

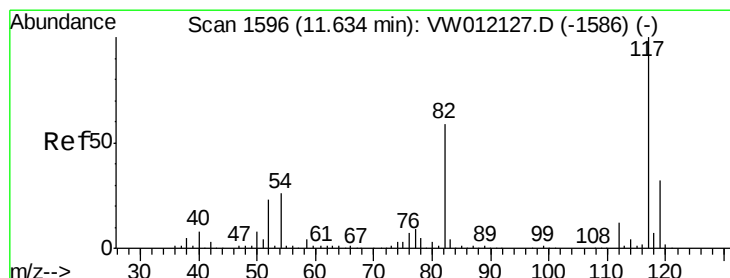
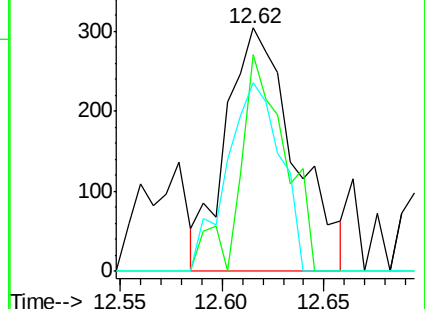
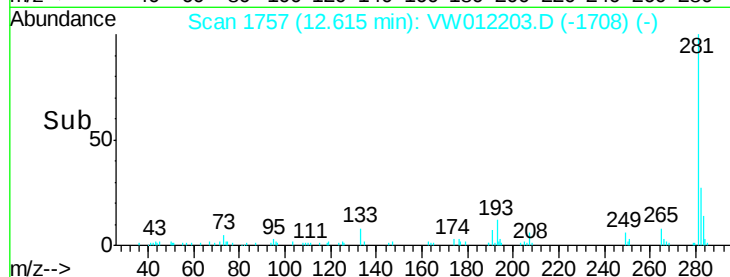


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

Time--> 12.55 12.60 12.65



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

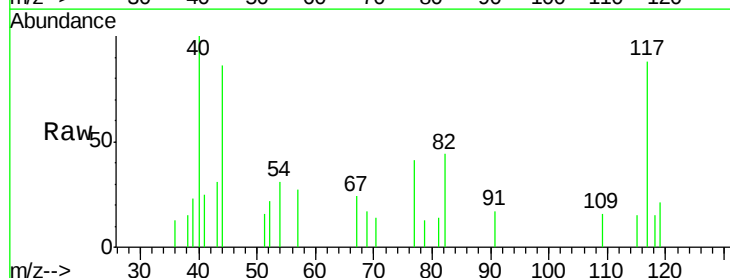
Tgt Ion: 117 Resp: 641

Ion Ratio Lower Upper

117 100

82 50.1 47.4 71.2

119 23.5 25.4 38.2#

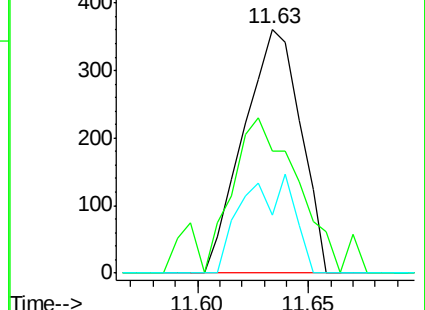
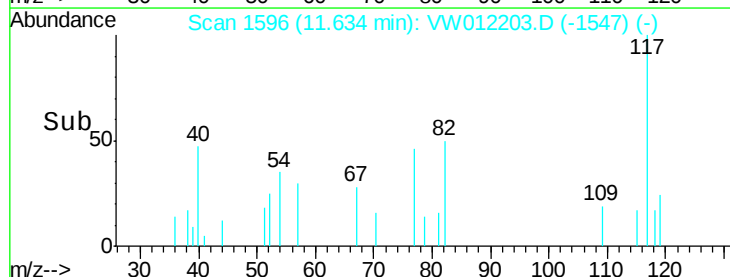


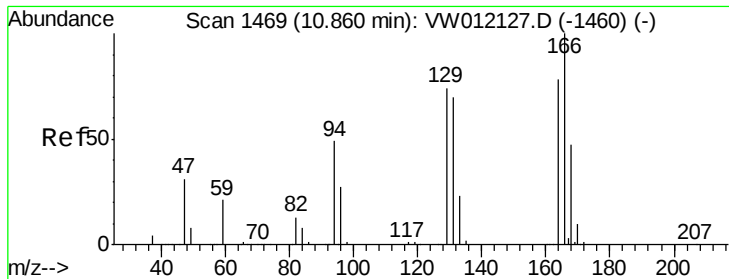
Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

Time--> 11.60 11.65





#64

Tetrachloroethene

Concen: 67.617 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

Tot Ion:164 Resp: 281

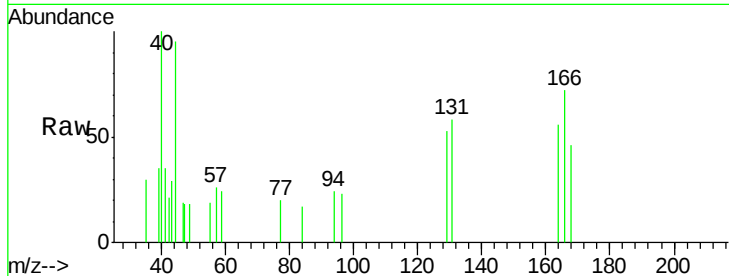
Ion Ratio Lower Upper

164 100

166 127.7 102.4 153.6

129 94.0 75.8 113.6

131 103.8 71.4 107.2

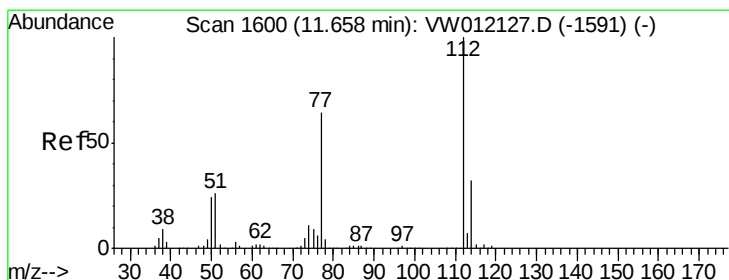
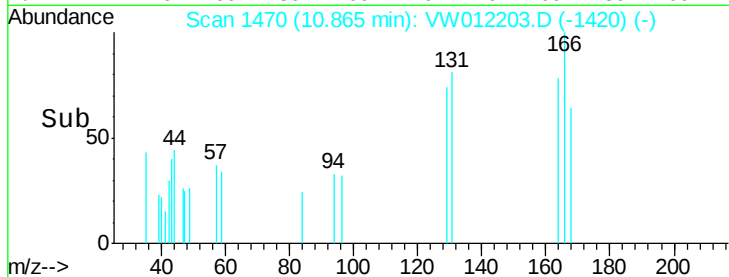
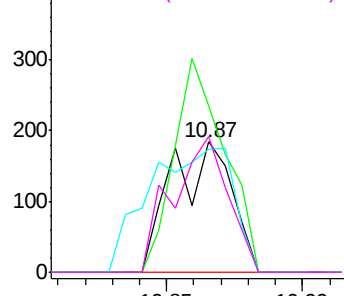


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 10.696 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VW012203.D

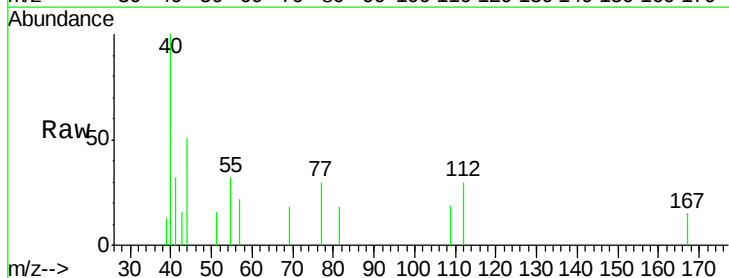
Acq: 27 Aug 2019 11:06

Tgt Ion:112 Resp: 135

Ion Ratio Lower Upper

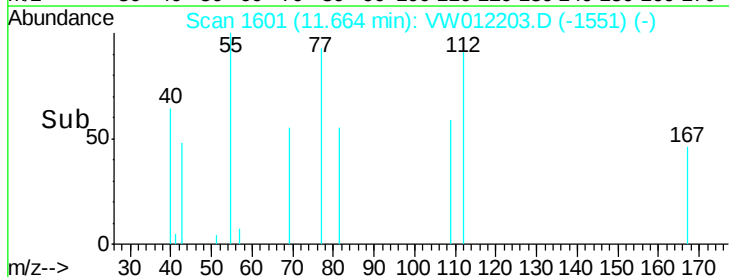
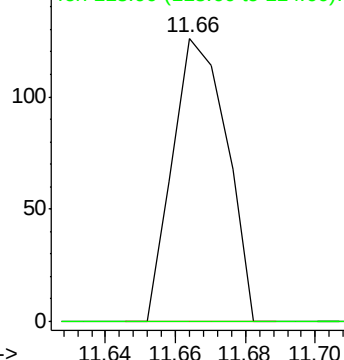
112 100

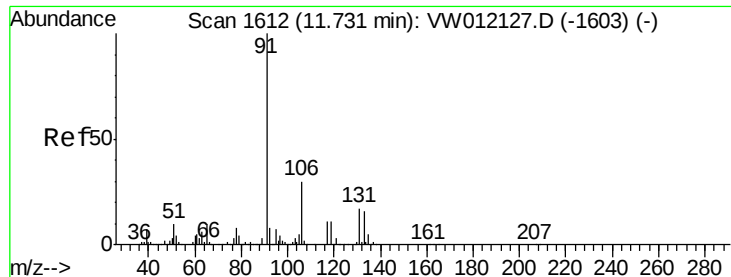
114 0.0 25.8 38.6#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 5.451 ug/l

RT: 11.88 min Scan# 1637

Delta R.T. 0.15 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

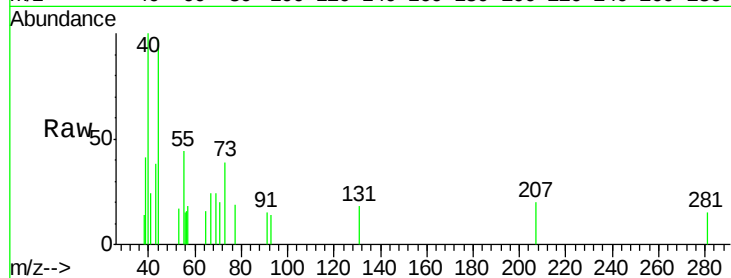
Tot Ion:131 Resp: 24

Ion Ratio Lower Upper

131 100

133 191.7 47.1 141.3#

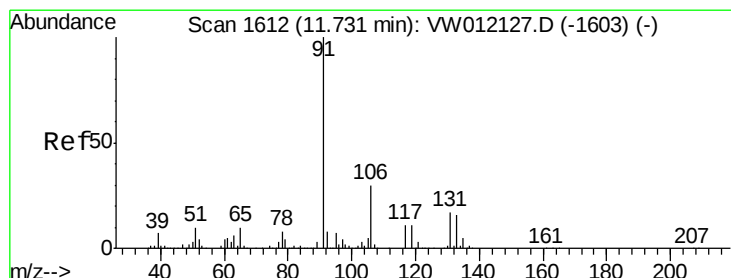
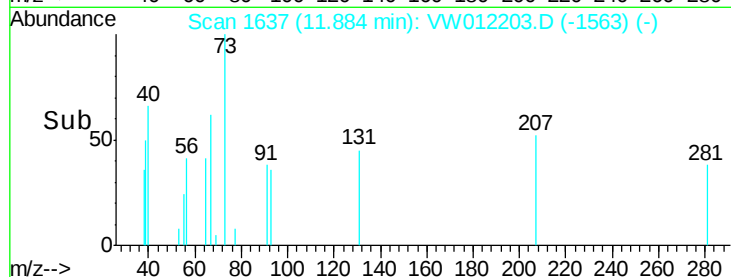
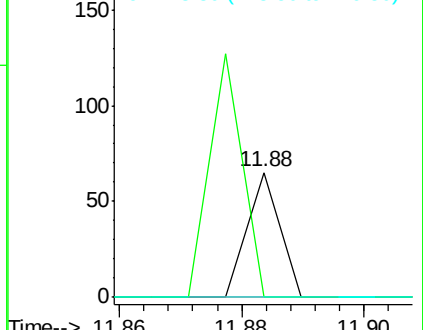
119 0.0 31.8 95.3#



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: 25.047 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012203.D

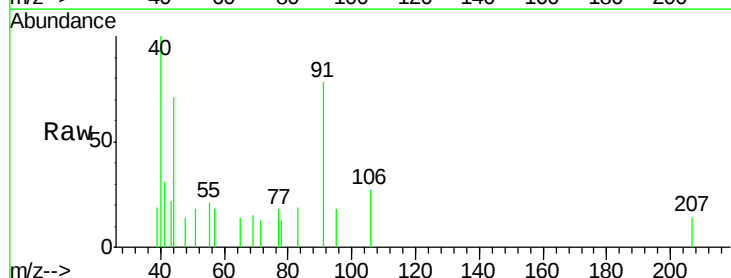
Acq: 27 Aug 2019 11:06

Tgt Ion: 91 Resp: 609

Ion Ratio Lower Upper

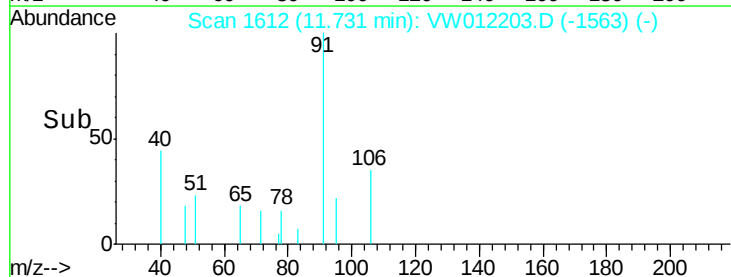
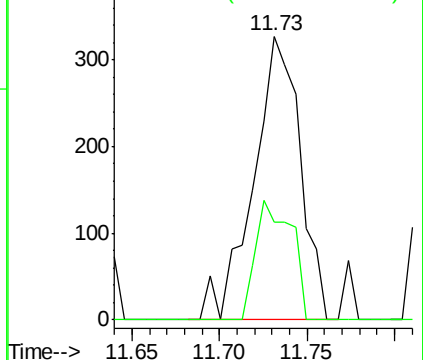
91 100

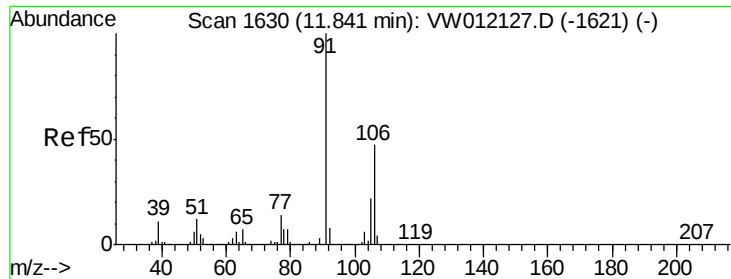
106 34.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

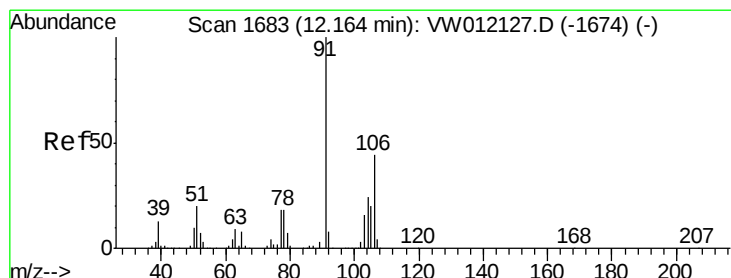
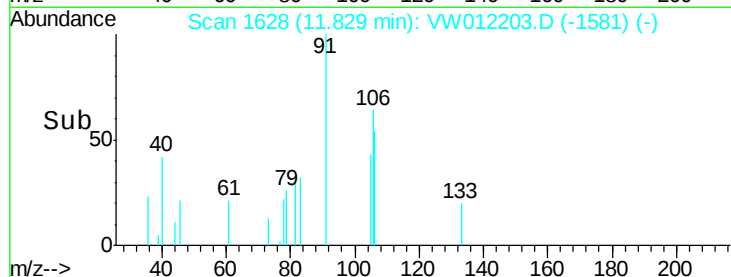
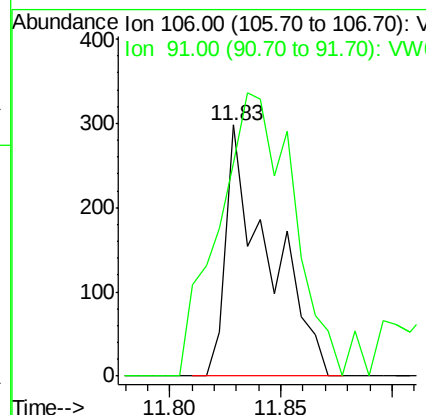
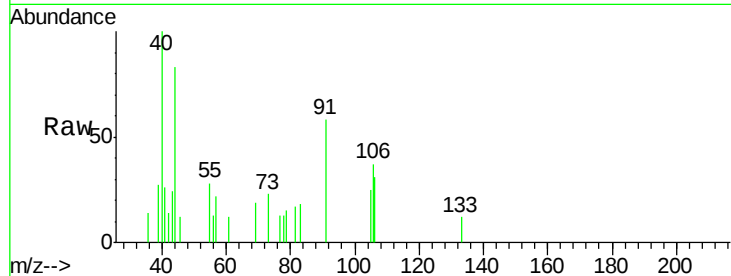




#68
m/p-Xylenes
Concen: 45.101 ug/l
RT: 11.83 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

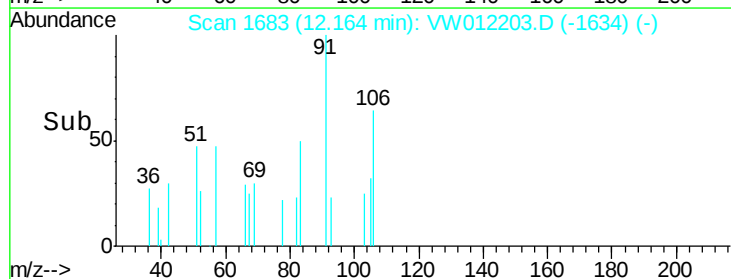
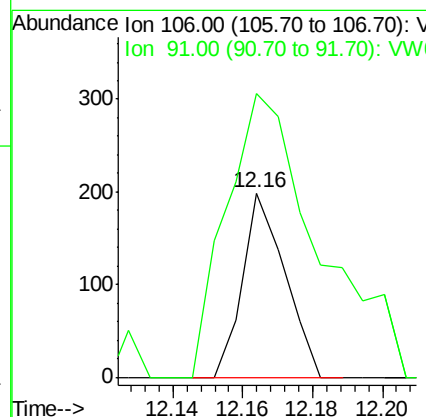
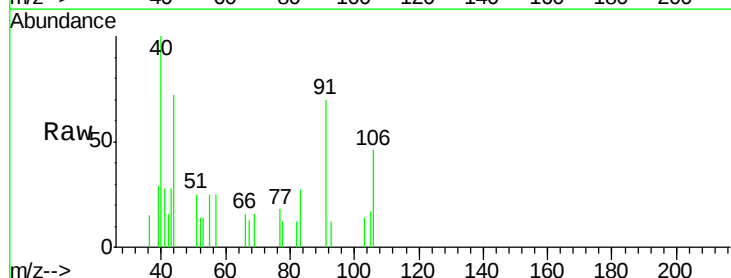
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

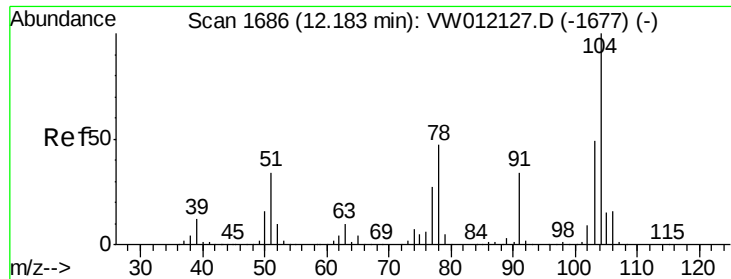
Tot Ion:106 Resp: 395
Ion Ratio Lower Upper
106 100
91 197.0 169.5 254.3



#69
o-Xylene
Concen: 20.726 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Tgt Ion:106 Resp: 168
Ion Ratio Lower Upper
106 100
91 333.3 111.6 334.6

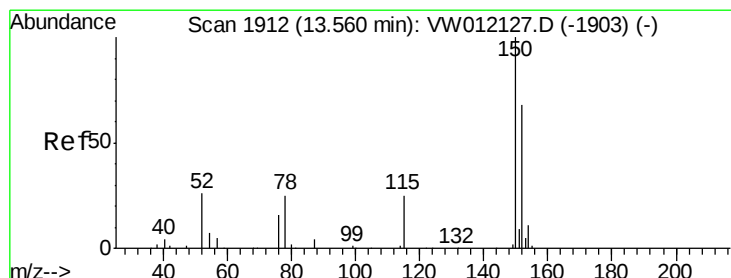
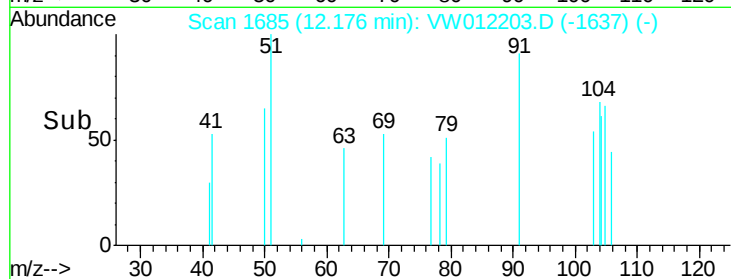
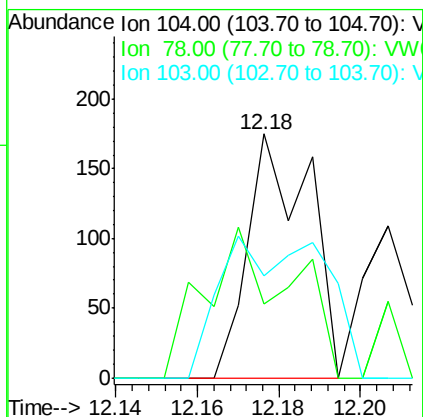
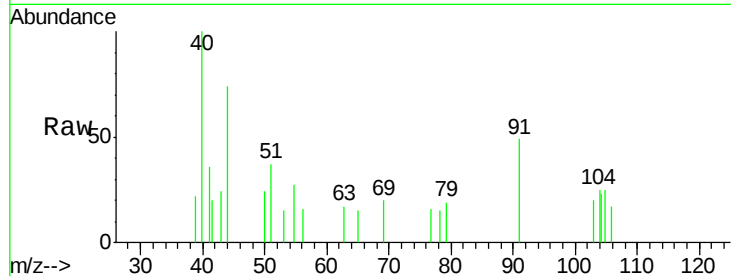




#70
Stvrene
Concen: 13.043 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

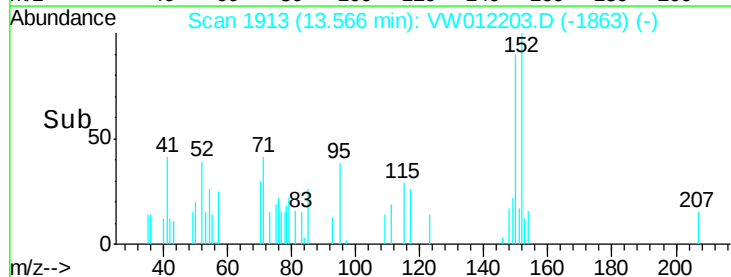
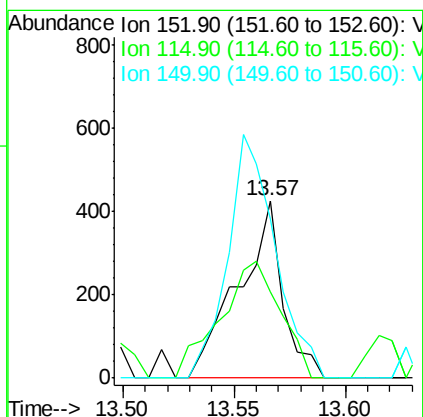
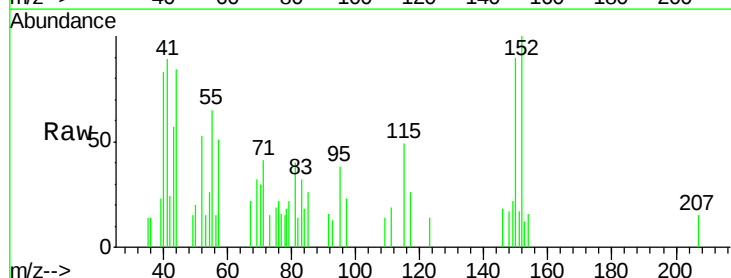
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

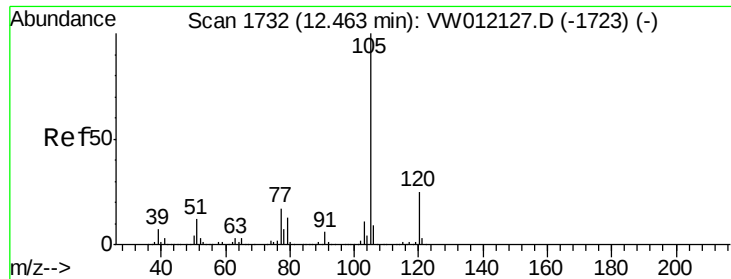
Tot Ion:104 Resp: 183
Ion Ratio Lower Upper
104 100
78 86.3 43.1 64.7#
103 97.3 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Tgt Ion:152 Resp: 593
Ion Ratio Lower Upper
152 100
115 89.2 30.1 90.3
150 146.9 0.0 345.8





#73

Isopropylbenzene

Concen: 8.192 ug/l

RT: 12.46 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

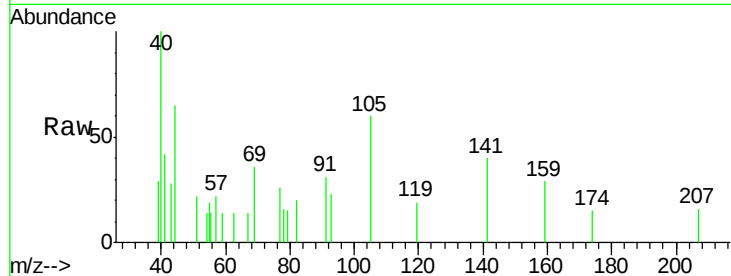
S602-M-1.0-1.5-082319MSD

Tot Ion: 105 Resp: 364

Ion Ratio Lower Upper

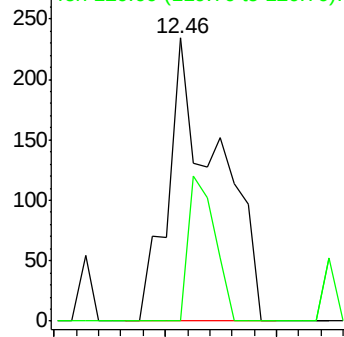
105 100

120 27.5 12.5 37.5

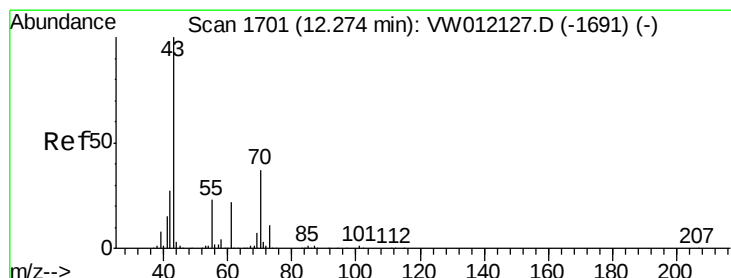
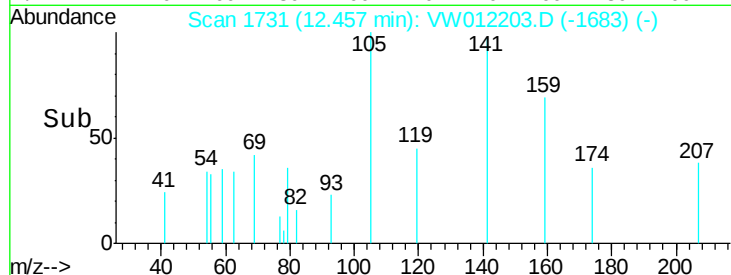


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.40 12.45 12.50



#74

N-ethyl acetate

Concen: 31.881 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Tgt Ion: 43 Resp: 428

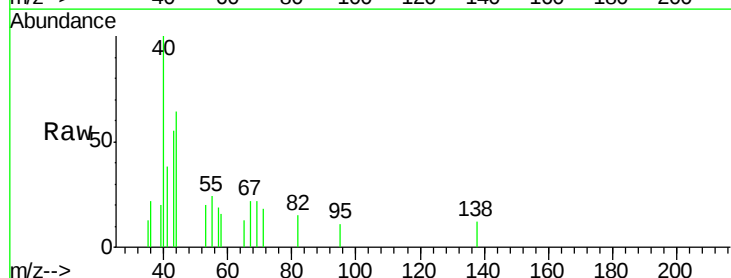
Ion Ratio Lower Upper

43 100

70 11.4 28.6 43.0#

55 11.2 17.8 26.6#

61 0.0 17.3 25.9#

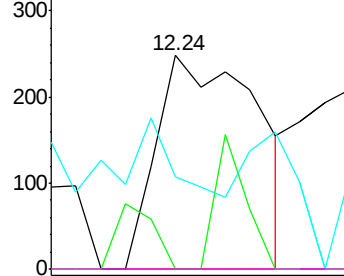


Abundance Ion 43.00 (42.70 to 43.70): VW

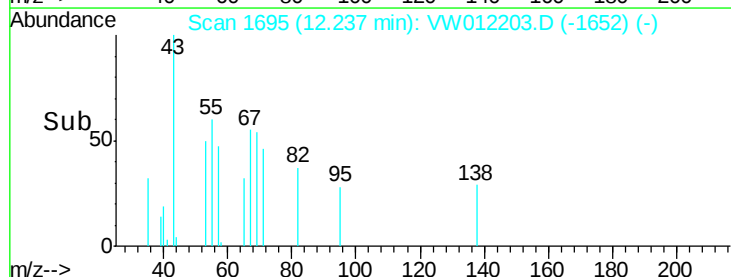
Ion 70.00 (69.70 to 70.70): VW

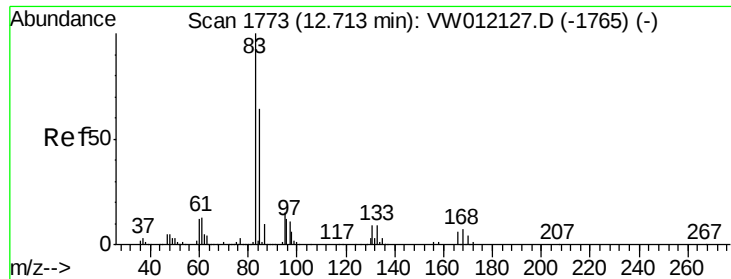
Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



Time--> 12.22 12.24 12.26





#75

1,1,2,2-Tetrachloroethane

Concen: 29.462 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

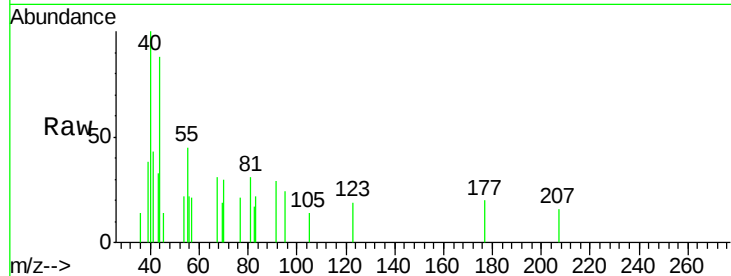
Tot Ion: 83 Resp: 240

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

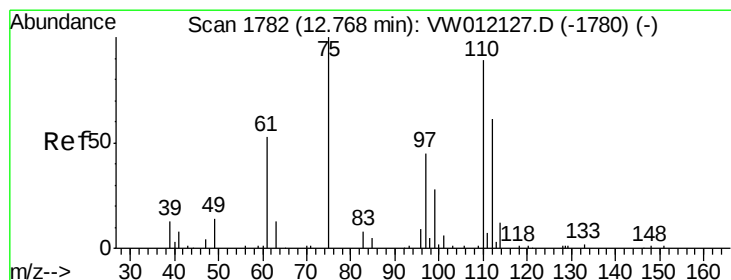
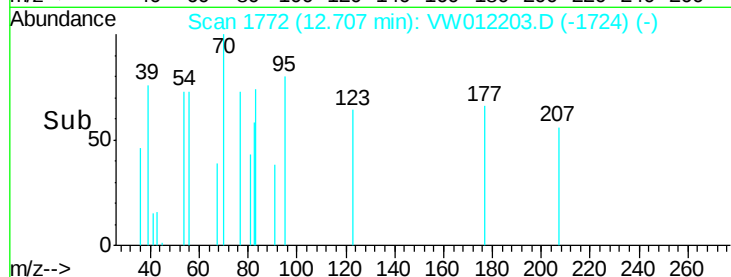
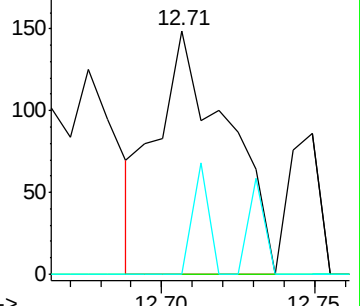
85 10.4 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 10.216 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VW012203.D

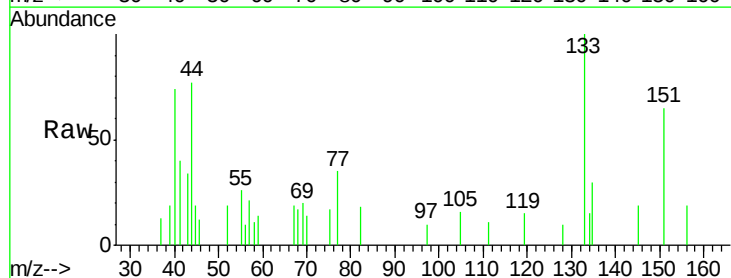
Acq: 27 Aug 2019 11:06

Tgt Ion: 75 Resp: 59

Ion Ratio Lower Upper

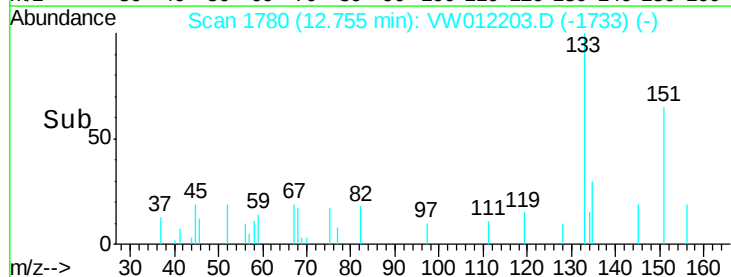
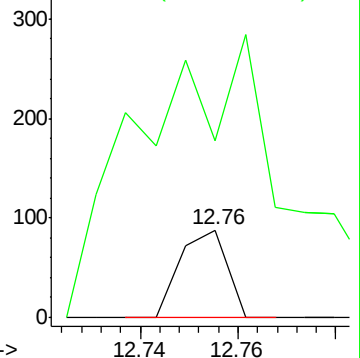
75 100

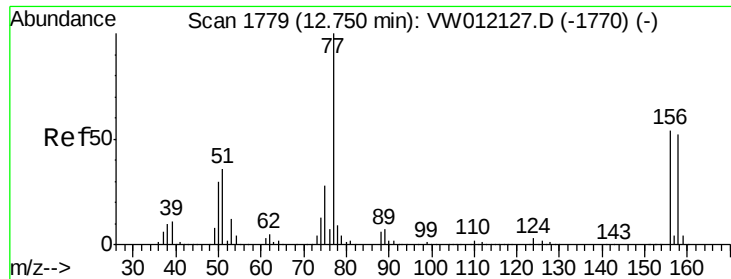
77 993.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 8.426 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

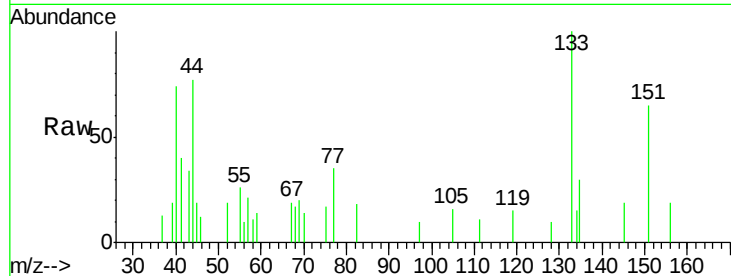
Tot Ion:156 Resp: 81

Ion Ratio Lower Upper

156 100

77 723.5 107.3 321.8#

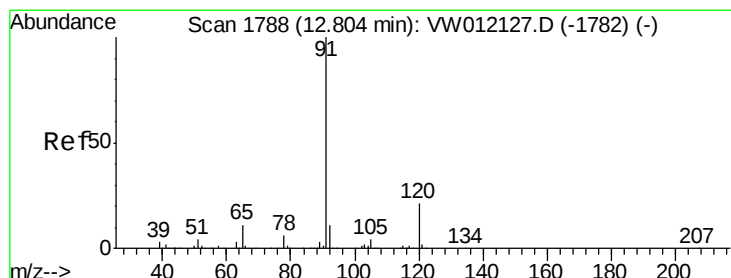
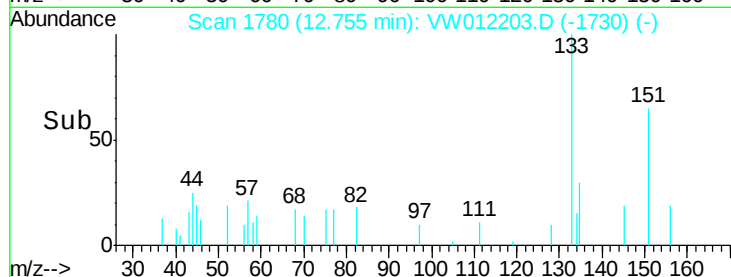
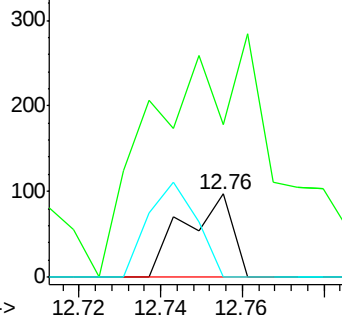
158 112.3 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 14.729 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012203.D

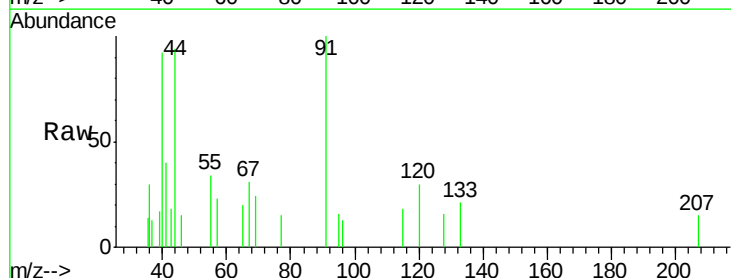
Acq: 27 Aug 2019 11:06

Tgt Ion: 91 Resp: 799

Ion Ratio Lower Upper

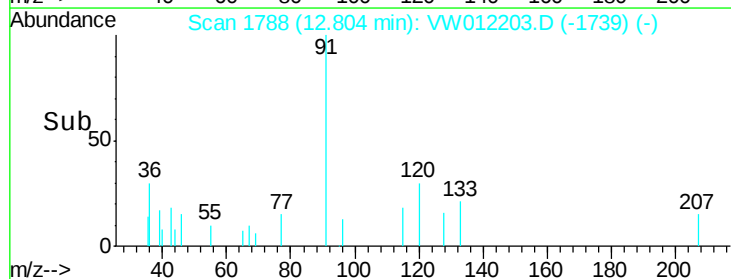
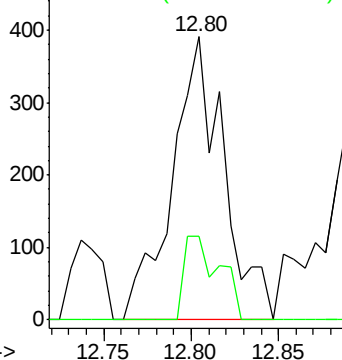
91 100

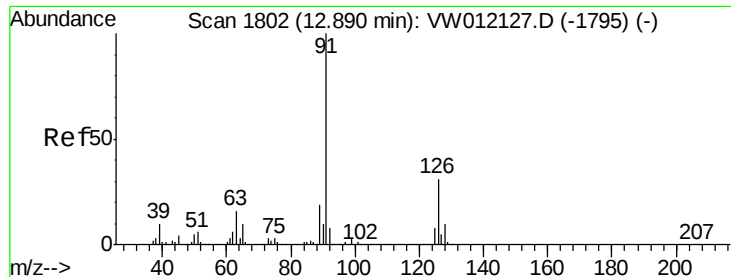
120 19.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.430 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

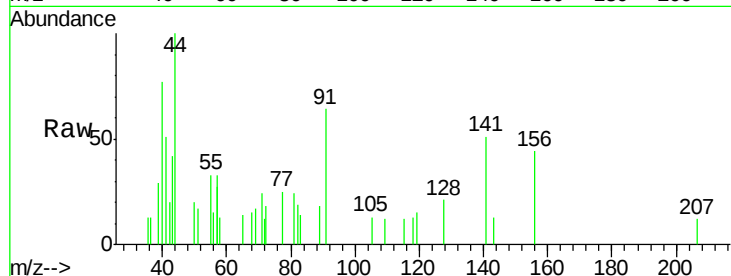
S602-M-1.0-1.5-082319MSD

Tot Ion: 91 Resp: 506

Ion Ratio Lower Upper

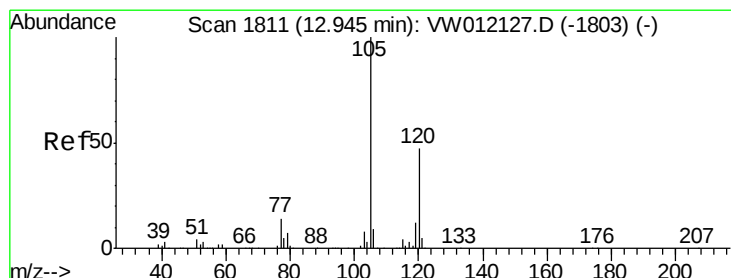
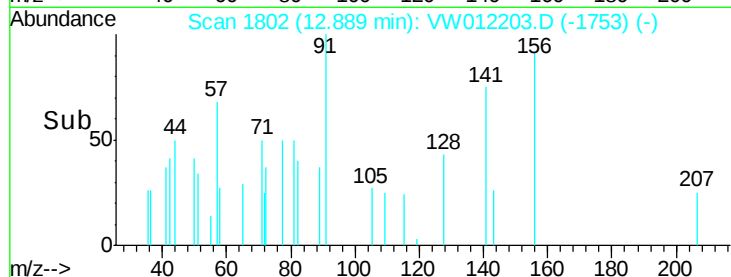
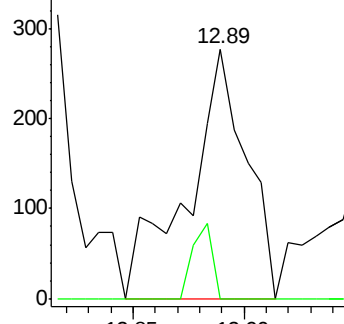
91 100

126 10.3 15.7 47.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 13.870 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012203.D

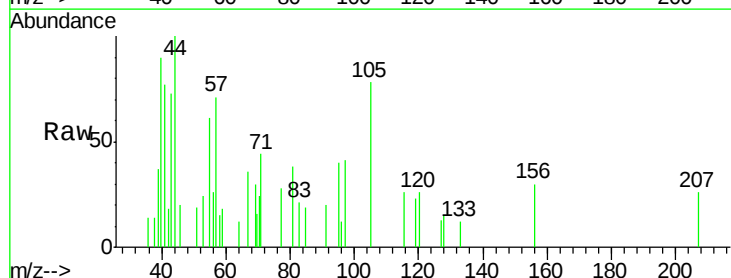
Acq: 27 Aug 2019 11:06

Tgt Ion:105 Resp: 515

Ion Ratio Lower Upper

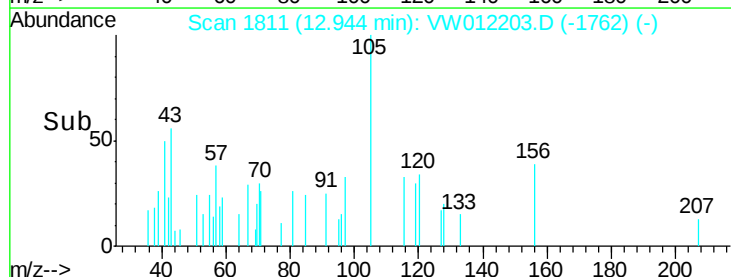
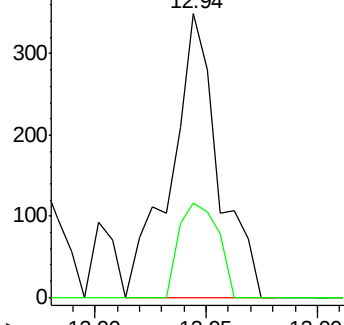
105 100

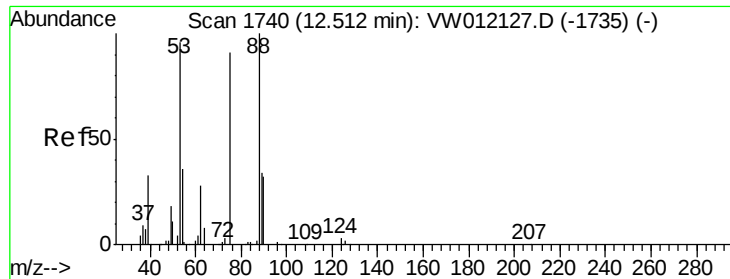
120 27.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

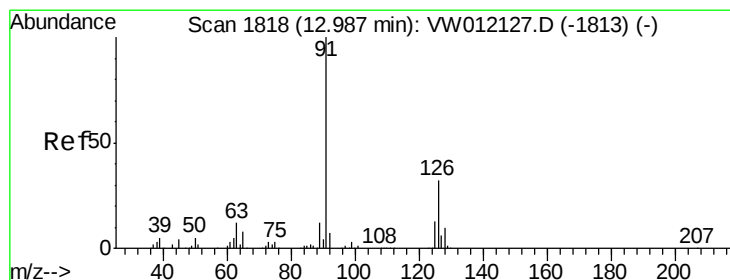
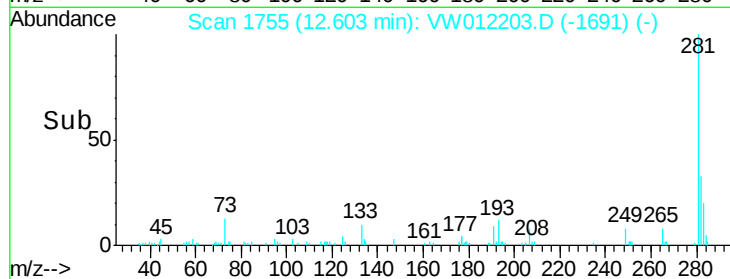
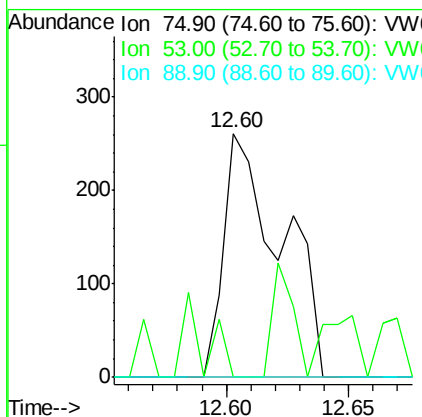
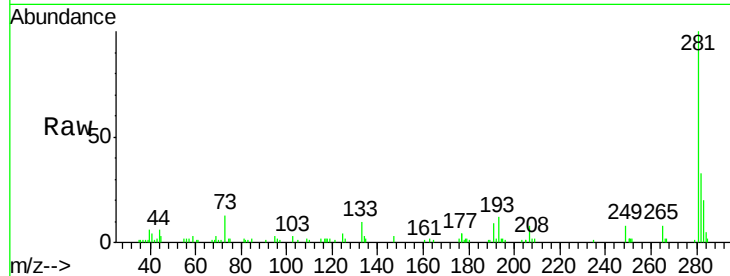




#81
trans-1,4-Dichloro-2-butene
Concen: 161.724 ug/l
RT: 12.60 min Scan# 1755
Delta R.T. 0.09 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

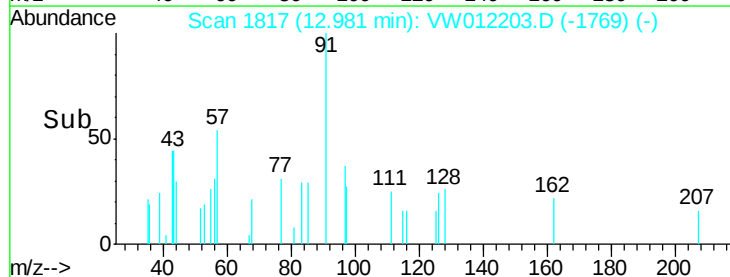
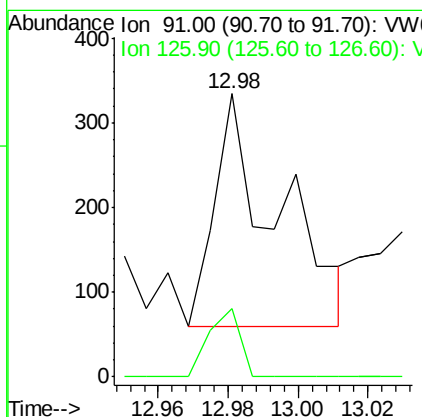
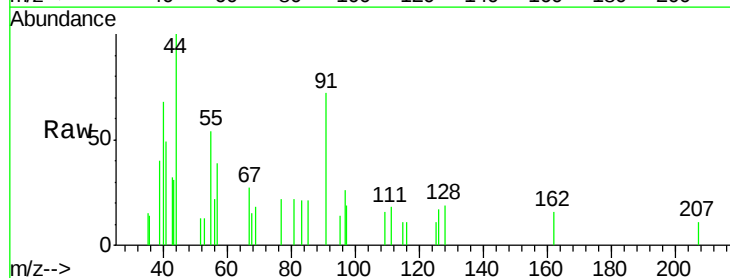
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

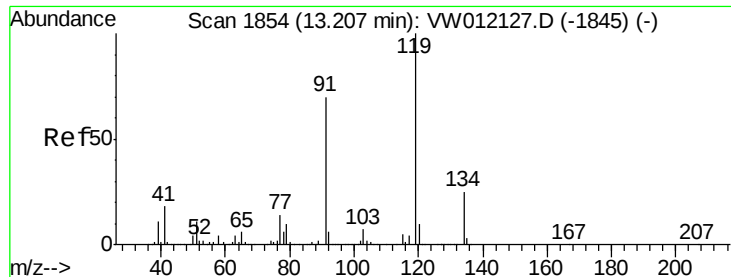
Tot Ion: 75 Resp: 426
Ion Ratio Lower Upper
75 100
53 13.1 89.4 134.0#
89 0.0 34.5 51.7#



#82
4-Chlorotoluene
Concen: 10.668 ug/l
RT: 12.98 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Tgt Ion: 91 Resp: 344
Ion Ratio Lower Upper
91 100
126 14.2 15.6 46.8#





#83

tert-Butylbenzene

Concen: 11.319 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

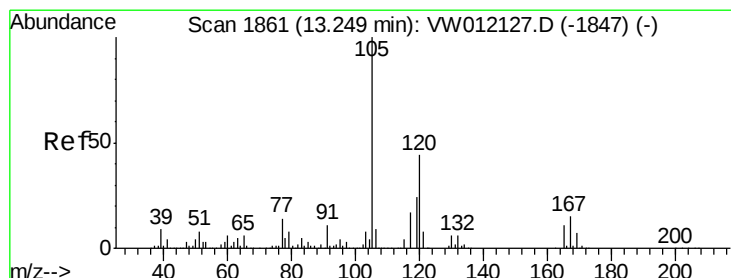
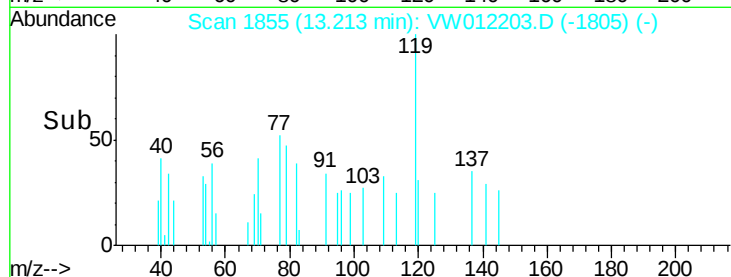
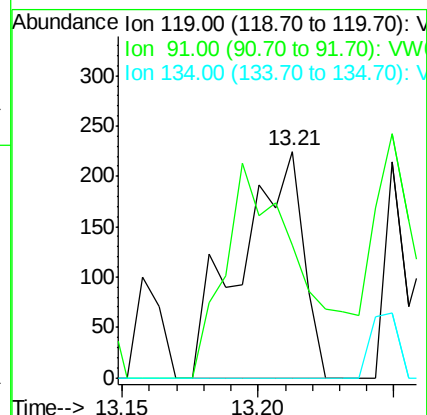
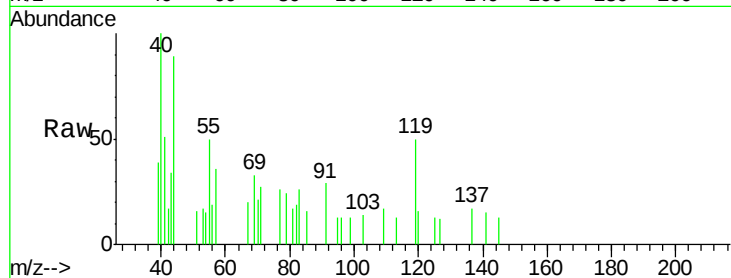
Tot Ion:119 Resp: 356

Ion Ratio Lower Upper

119 100

91 110.4 34.8 104.3#

134 0.0 13.3 39.8#



#84

1,2,4-Trimethylbenzene

Concen: 38.475 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012203.D

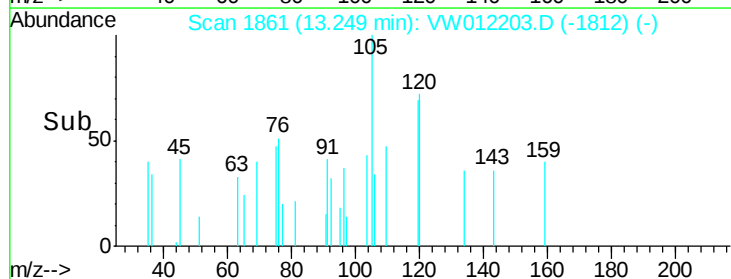
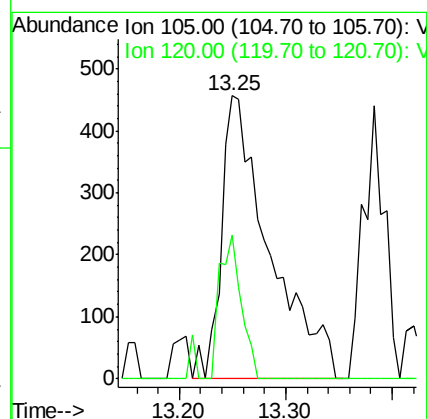
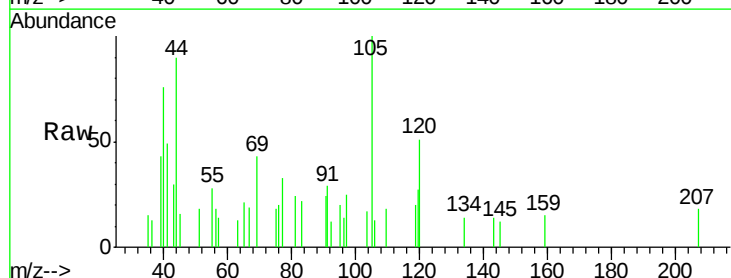
Acq: 27 Aug 2019 11:06

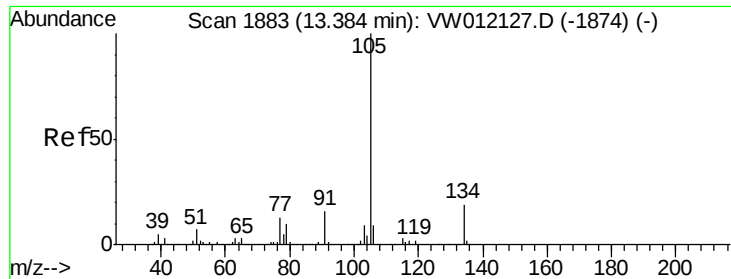
Tgt Ion:105 Resp: 1435

Ion Ratio Lower Upper

105 100

120 22.7 21.9 65.7





#85

sec-Butylbenzene

Concen: 13.626 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

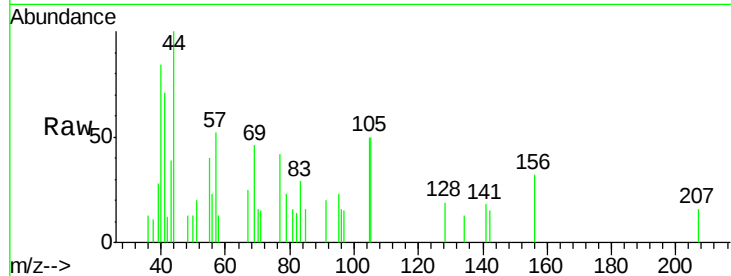
S602-M-1.0-1.5-082319MSD

Tot Ion:105 Resp: 614

Ion Ratio Lower Upper

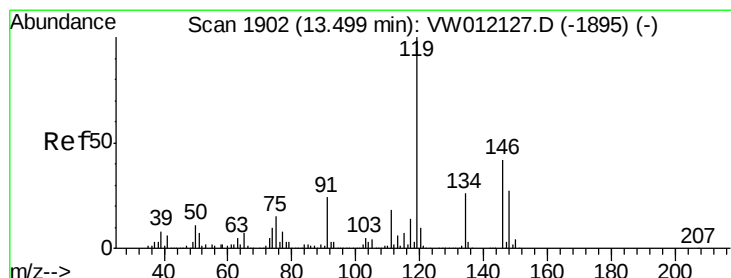
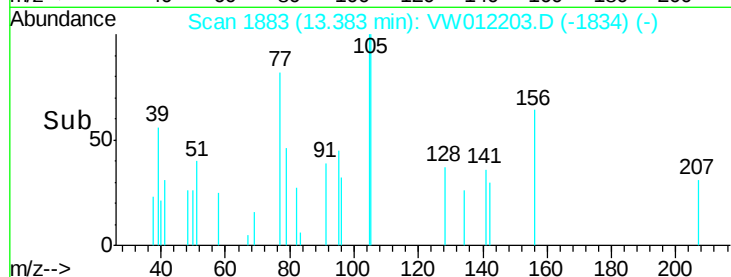
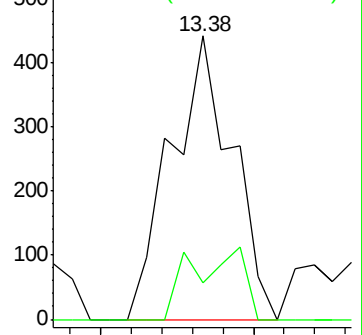
105 100

134 21.3 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 15.581 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

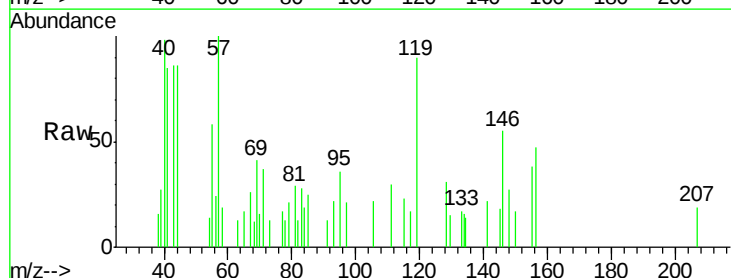
Tgt Ion:119 Resp: 627

Ion Ratio Lower Upper

119 100

134 22.2 12.8 38.3

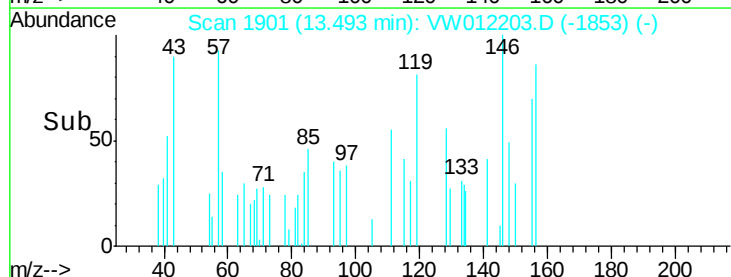
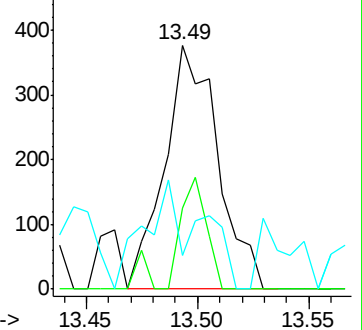
91 28.1 12.3 36.9

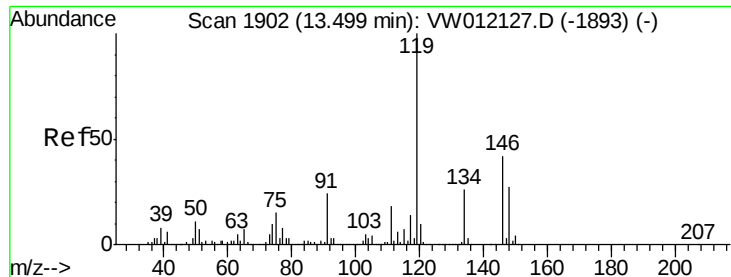


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

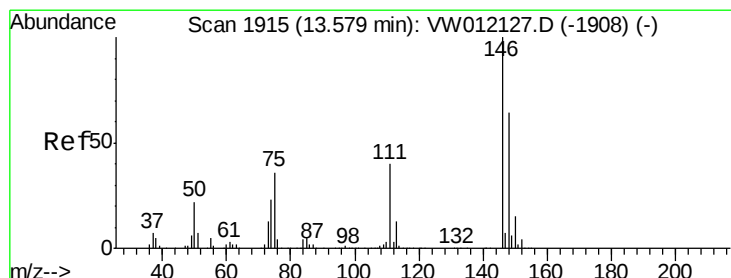
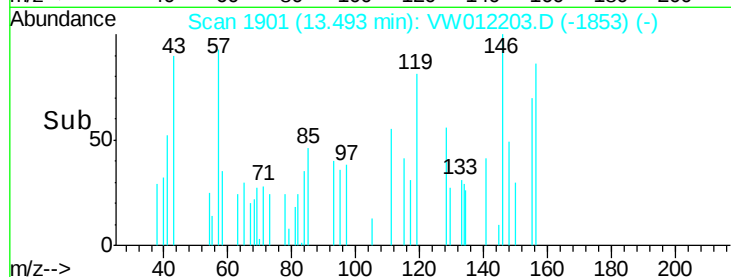
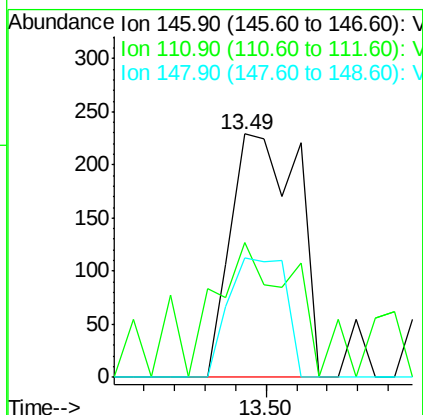
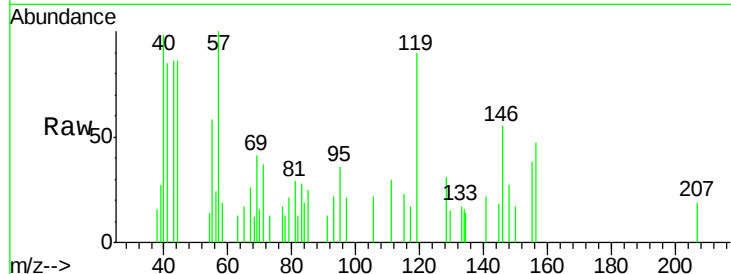




#87
 1,3-Dichlorobenzene
 Concen: 18.508 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

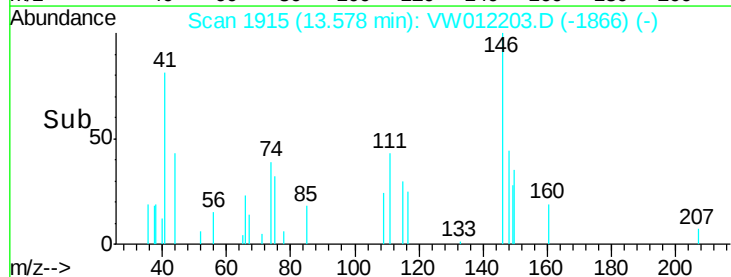
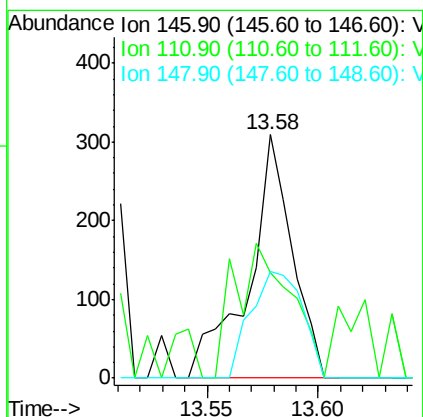
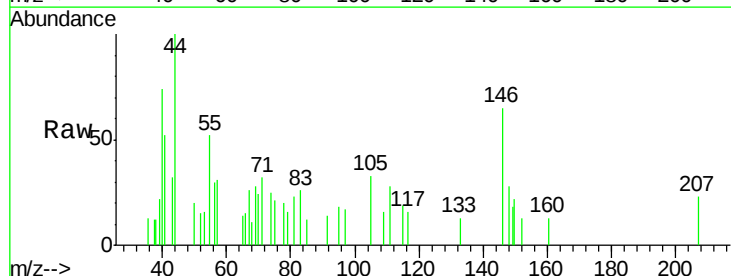
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

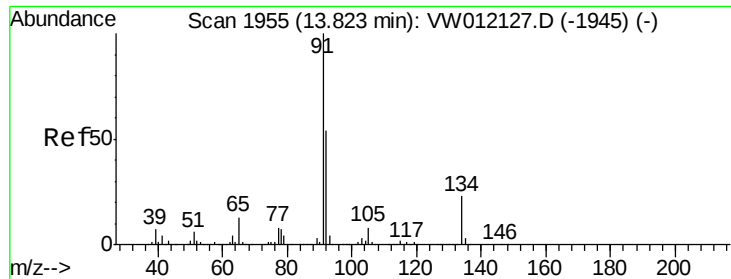
Tot Ion:146 Resp: 348
 Ion Ratio Lower Upper
 146 100
 111 73.3 20.9 62.7#
 148 42.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 22.497 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

Tgt Ion:146 Resp: 420
 Ion Ratio Lower Upper
 146 100
 111 71.0 20.0 60.0#
 148 52.1 32.1 96.3





#89

n-Butylbenzene

Concen: 17.168 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

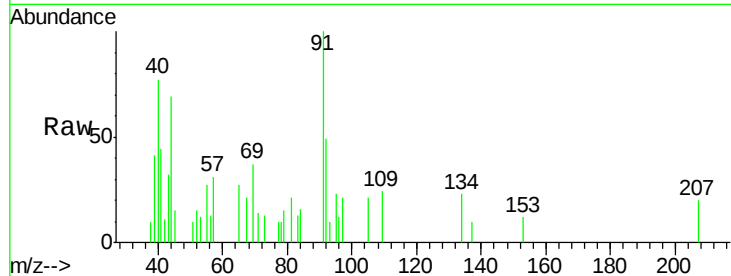
Tot Ion: 91 Resp: 687

Ion Ratio Lower Upper

91 100

92 68.9 27.1 81.2

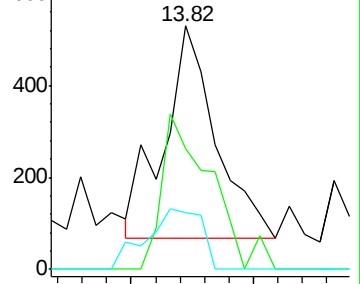
134 30.0 12.2 36.4



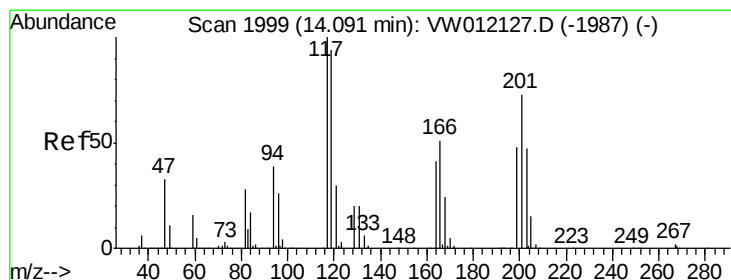
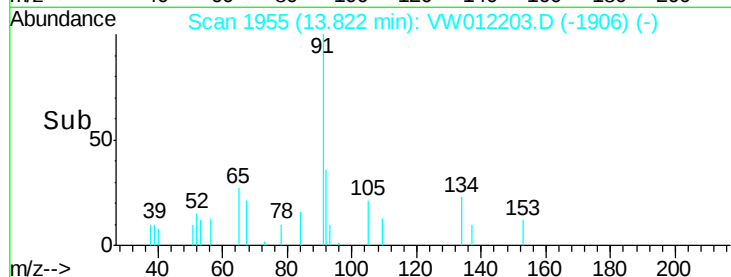
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



Time-->



#90

Hexachloroethane

Concen: 12.039 ug/l

RT: 14.08 min Scan# 1998

Delta R.T. -0.01 min

Lab File: VW012203.D

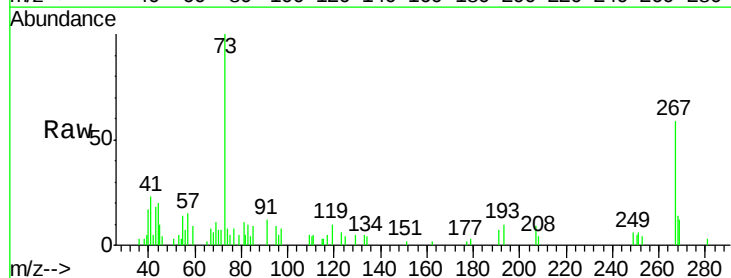
Acq: 27 Aug 2019 11:06

Tgt Ion: 117 Resp: 85

Ion Ratio Lower Upper

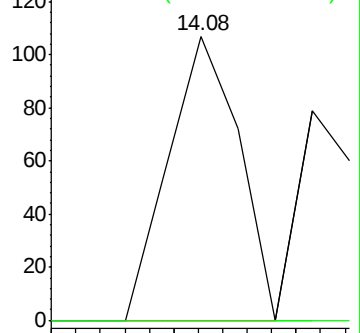
117 100

201 0.0 38.6 115.7#

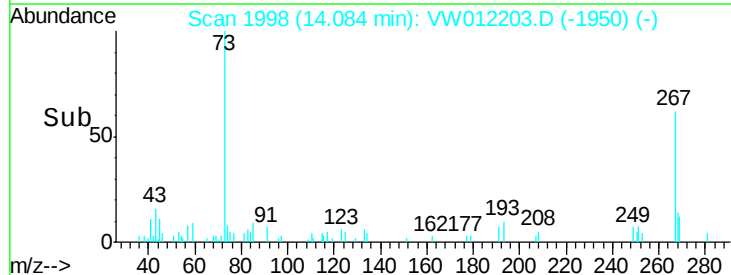


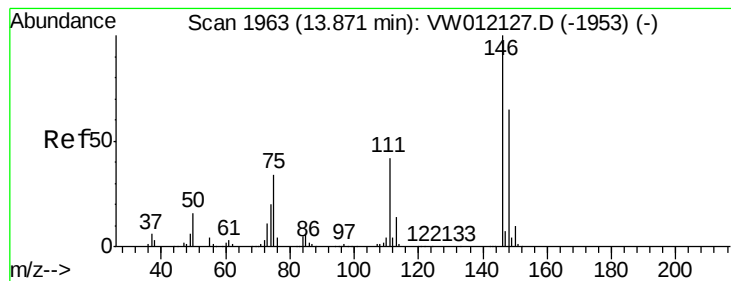
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->





#91

1,2-Dichlorobenzene

Concen: 17.521 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

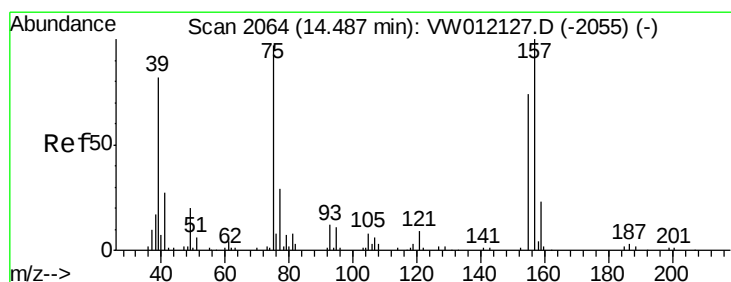
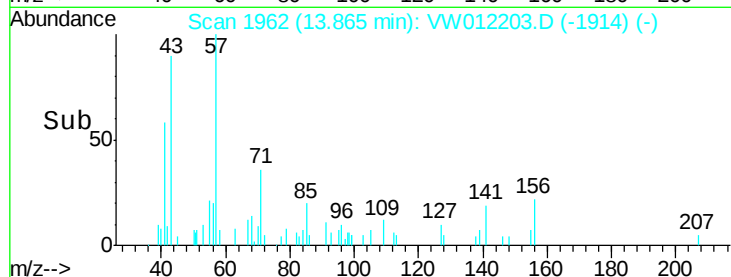
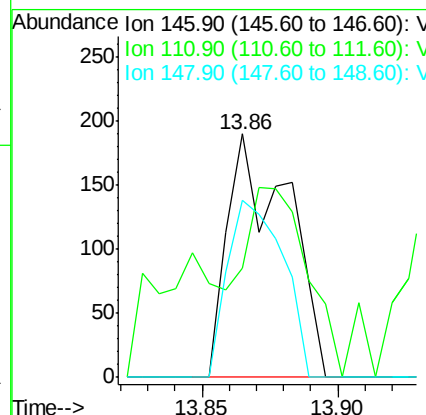
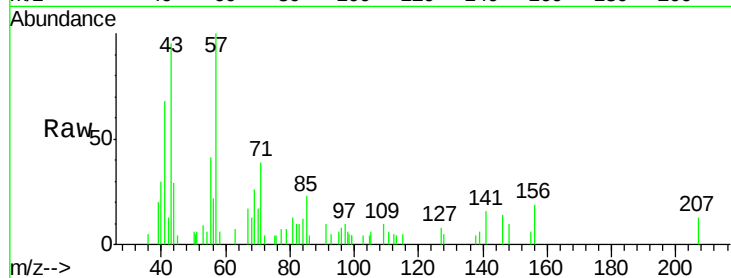
Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

Tot Ion:	146	Resp:	289
Ion	Ratio	Lower	Upper
146	100		
111	81.0	21.2	63.6#
148	67.5	32.5	97.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 38.593 ug/l

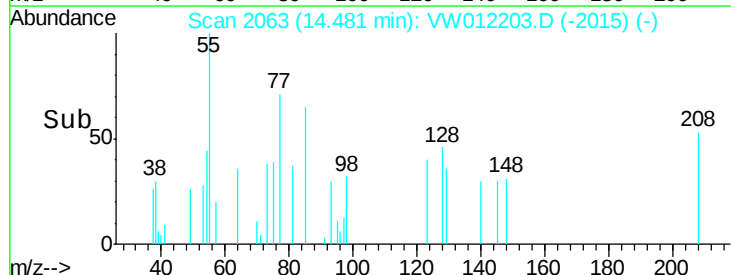
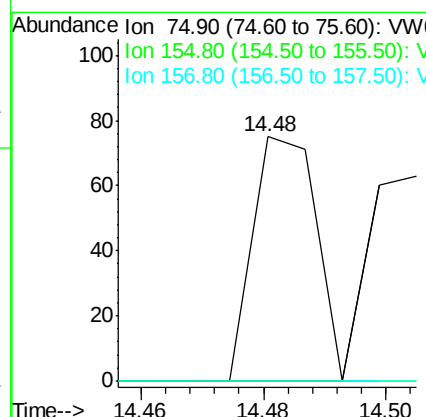
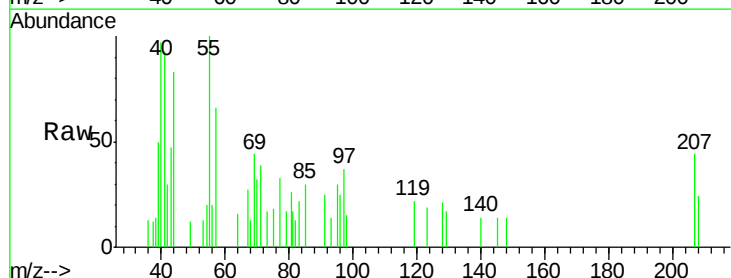
RT: 14.48 min Scan# 2063

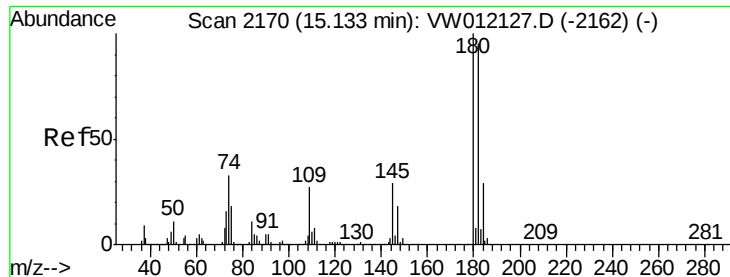
Delta R.T. -0.01 min

Lab File: VW012203.D

Acq: 27 Aug 2019 11:06

Tgt Ion:	75	Resp:	53
Ion	Ratio	Lower	Upper
75	100		
155	0.0	37.5	112.3#
157	0.0	50.5	151.5#

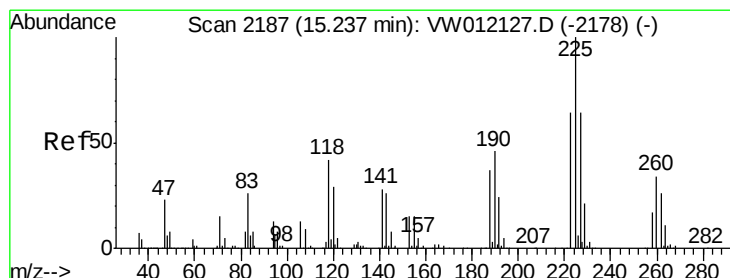
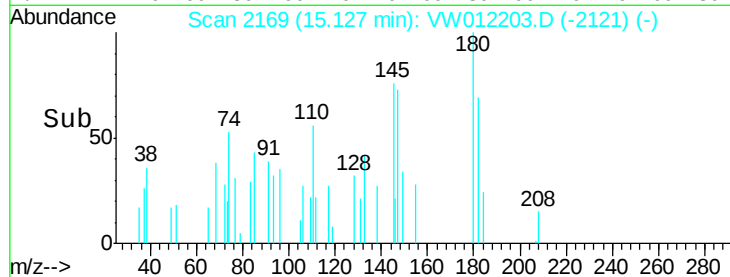
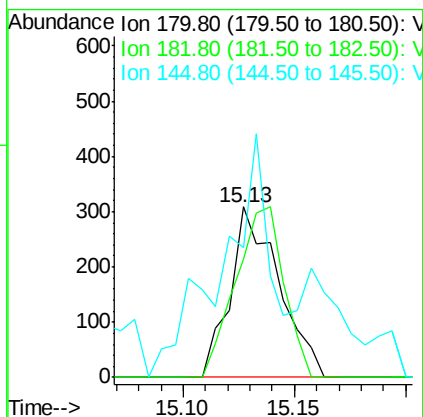
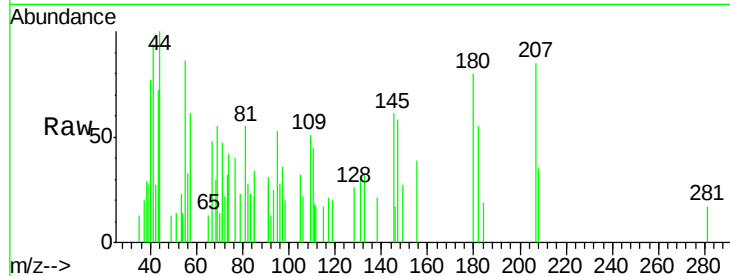




#93
 1,2,4-Trichlorobenzene
 Concen: 41.232 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

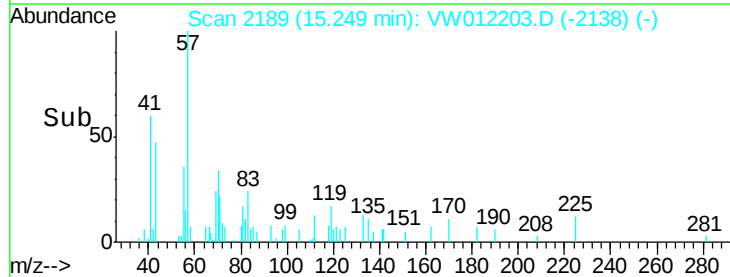
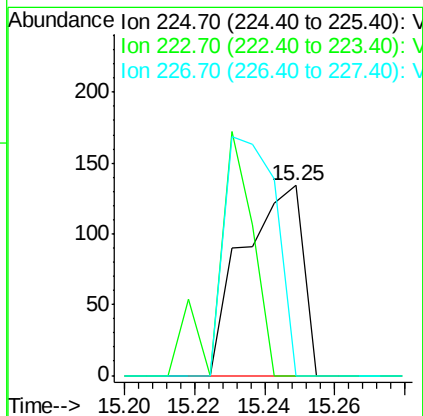
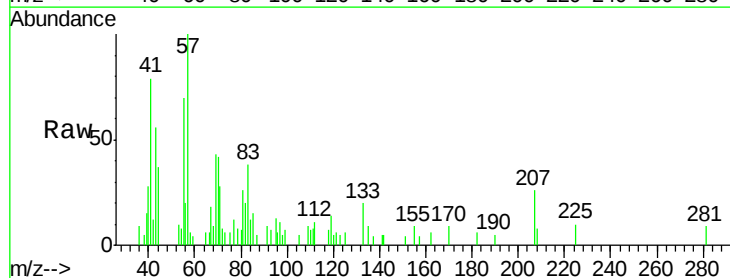
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

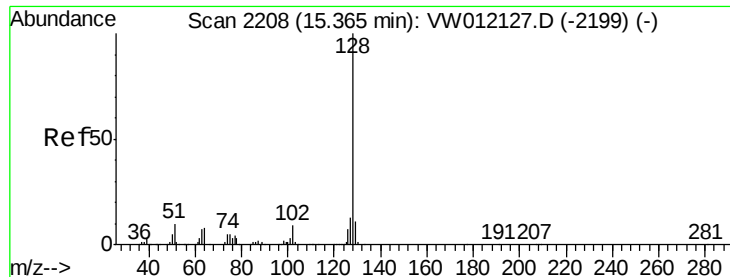
Tot Ion:180 Resp: 470
 Ion Ratio Lower Upper
 180 100
 182 98.7 47.8 143.4
 145 140.6 15.0 45.1#



#94
 Hexachlorobutadiene
 Concen: 21.258 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW012203.D
 Acq: 27 Aug 2019 11:06

Tgt Ion:225 Resp: 160
 Ion Ratio Lower Upper
 225 100
 223 75.6 32.3 96.8
 227 107.5 32.9 98.6#

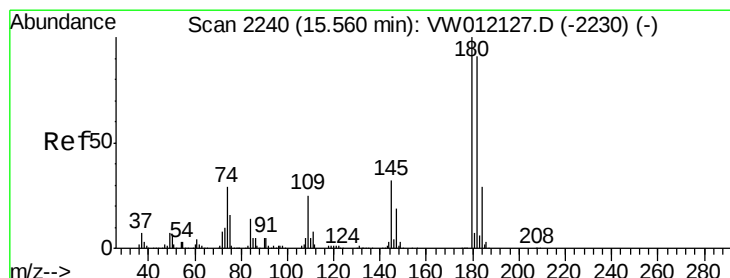
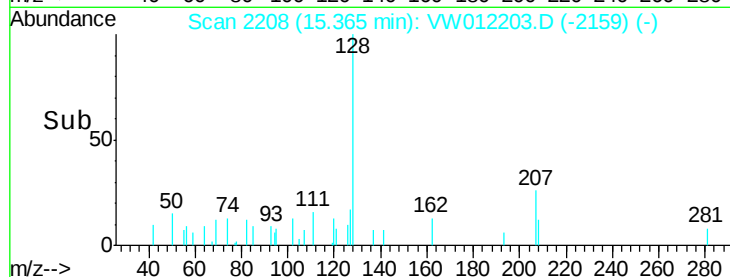
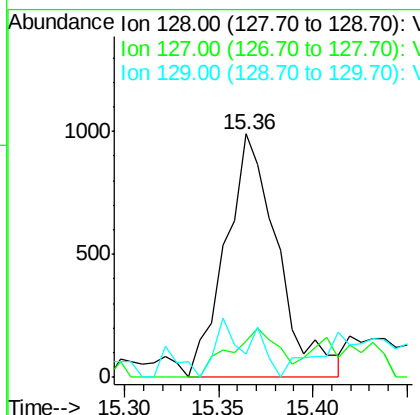
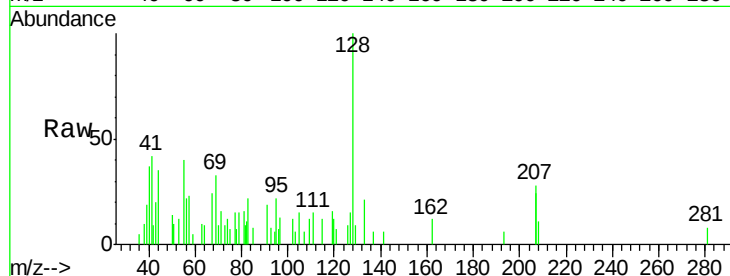




#95
Naphthalene
Concen: 81.883 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

Tot Ion:128 Resp: 1899
Ion Ratio Lower Upper
128 100
127 18.6 10.7 16.1#
129 15.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 51.784 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW012203.D
Acq: 27 Aug 2019 11:06

Tgt Ion:180 Resp: 515
Ion Ratio Lower Upper
180 100
182 92.0 47.1 141.3
145 136.9 16.2 48.5#

