

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012202.D
 Acq On : 27 Aug 2019 10:40
 Operator : SY/VA
 Sample : K4514-03REMS
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 28 04:53:28 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	7.94	168	503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1126	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	511	85.46	ug/l	0.00
Spiked Amount						
			Recovery	=	170.92%	
35) Dibromofluoromethane	7.88	113	223	44.37	ug/l	0.00
Spiked Amount						
			Recovery	=	88.74%	
50) Toluene-d8	10.32	98	931	45.69	ug/l	0.00
Spiked Amount						
			Recovery	=	91.38%	
62) 4-Bromofluorobenzene	12.61	95	929	129.32	ug/l	0.00
Spiked Amount						
			Recovery	=	258.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	46	14.852	ug/l #	43
3) Chloromethane	2.21	50	435	90.655	ug/l	94
4) Vinyl Chloride	2.35	62	46	7.832	ug/l #	43
5) Bromomethane	2.77	94	132	44.379	ug/l #	4
6) Chloroethane	2.91	64	186	56.141	ug/l #	45
7) Trichlorofluoromethane	3.00	101	19	6.443	ug/l #	18
8) Diethyl Ether	3.68	74	1805	644.830	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133902	26712.414	ug/l	99
11) Tert butyl alcohol	5.17	59	364	1011.562	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	189	37.460	ug/l #	1
13) Acrolein	4.03	56	20	59.045	ug/l #	15
14) Allyl chloride	4.64	41	69	6.397	ug/l #	1
15) Acrylonitrile	5.37	53	74	53.335	ug/l #	33
16) Acetone	4.13	43	50724	33186.122	ug/l	96
17) Carbon Disulfide	4.39	76	859	56.335	ug/l #	75
18) Methyl Acetate	4.66	43	350	92.452	ug/l #	82
19) Methyl tert-butyl Ether	5.42	73	46	5.638	ug/l #	1
20) Methylene Chloride	4.92	84	15788	2732.324	ug/l	92
21) trans-1,2-Dichloroethene	5.30	96	24	4.436	ug/l #	1
22) Diisopropyl ether	6.35	45	24	1.200	ug/l #	36
23) Vinyl Acetate	6.26	43	151	12.272	ug/l #	77
24) 1,1-Dichloroethane	5.93	63	19	1.745	ug/l #	84
25) 2-Butanone	7.18	43	5447	2622.513	ug/l	93
26) 2,2-Dichloropropane	7.15	77	456	74.007	ug/l #	54
27) cis-1,2-Dichloroethene	7.15	96	189	32.696	ug/l #	1
28) Bromochloromethane	7.51	49	22	4.637	ug/l #	24
29) Tetrahydrofuran	7.53	42	15421	12375.198	ug/l	98
30) Chloroform	7.66	83	143	14.358	ug/l #	19
31) Cyclohexane	7.96	56	232	21.541	ug/l #	90
36) 1,1-Dichloropropene	7.99	75	19	2.184	ug/l #	44
37) Ethyl Acetate	7.18	43	5447	1142.391	ug/l #	73
38) Carbon Tetrachloride	7.93	117	19	2.523	ug/l #	12
39) Methylcyclohexane	9.32	83	424	43.376	ug/l #	72
40) Benzene	8.33	78	6255	263.269	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.54	41	8902	3176.605	ug/l #	53
42) 1,2-Dichloroethane	8.41	62	19	2.552	ug/l #	77
43) Isopropyl Acetate	8.41	43	204	23.098	ug/l #	70
44) Trichloroethene	9.09	130	520	90.032	ug/l	94
45) 1,2-Dichloropropane	9.13	63	30	4.692	ug/l #	43
47) Bromodichloromethane	9.89	83	76	10.037	ug/l #	25
48) Methyl methacrylate	9.43	41	93	22.124	ug/l #	39
49) 1,4-Dioxane	9.58	88	22	505.125	ug/l #	12
51) 4-Methyl-2-Pentanone	10.21	43	397	88.375	ug/l #	40
52) Toluene	10.39	92	18734	1312.542	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	40	5.186	ug/l #	1
54) cis-1,3-Dichloropropene	10.23	75	22	2.362	ug/l #	15
55) 1,1,2-Trichloroethane	10.77	97	62	15.403	ug/l #	32
56) Ethyl methacrylate	10.66	69	88	15.021	ug/l #	25
57) 1,3-Dichloropropane	10.94	76	63	8.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.99	63	18	5.987	ug/l #	50
59) 2-Hexanone	10.98	43	370	116.406	ug/l	95
60) Dibromochloromethane	11.10	129	98	21.858	ug/l #	11
61) 1,2-Dibromoethane	11.35	107	41	10.933	ug/l #	55
64) Tetrachloroethene	10.86	164	258	41.068	ug/l #	69
65) Chlorobenzene	11.65	112	259	13.574	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.59	131	28	4.206	ug/l #	1
67) Ethyl Benzene	11.74	91	1233	33.546	ug/l	94
68) m/p-Xylenes	11.84	106	665	50.228	ug/l	89
69) o-Xylene	12.16	106	366	29.868	ug/l	78
70) Styrene	12.18	104	500	23.574	ug/l #	81
71) Bromoform	12.35	173	84	25.329	ug/l #	28
73) Isopropylbenzene	12.46	105	670	7.941	ug/l	78
74) N-amyl acetate	12.28	43	147	5.767	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.73	83	250	16.162	ug/l #	55
76) 1,2,3-Trichloropropane	12.77	75	189	17.234	ug/l #	100
77) Bromobenzene	12.74	156	118	6.465	ug/l #	1
78) n-propylbenzene	12.80	91	954	9.262	ug/l	97
79) 2-Chlorotoluene	12.89	91	770	13.167	ug/l	91
80) 1,3,5-Trimethylbenzene	12.94	105	795	11.276	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	654	130.755	ug/l #	8
82) 4-Chlorotoluene	12.99	91	805	13.147	ug/l	88
83) tert-Butylbenzene	13.22	119	560	9.377	ug/l #	24
84) 1,2,4-Trimethylbenzene	13.25	105	1270	17.933	ug/l	94
85) sec-Butylbenzene	13.38	105	1012	11.828	ug/l	96
86) p-Isopropyltoluene	13.50	119	997	13.048	ug/l	94
87) 1,3-Dichlorobenzene	13.50	146	499	13.977	ug/l #	70
88) 1,4-Dichlorobenzene	13.58	146	552	15.571	ug/l #	71
89) n-Butylbenzene	13.82	91	1407	18.517	ug/l	97
90) Hexachloroethane	14.09	117	270	20.140	ug/l #	40
91) 1,2-Dichlorobenzene	13.87	146	441	14.080	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.54	75	49	18.791	ug/l	91
93) 1,2,4-Trichlorobenzene	15.13	180	829	38.301	ug/l #	44
94) Hexachlorobutadiene	15.24	225	361	25.259	ug/l	99
95) Naphthalene	15.36	128	3212	73.411	ug/l #	93

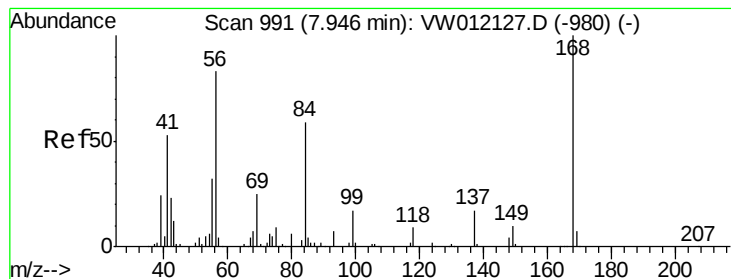
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.55	180	1004	53.166	ug/l #	49

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

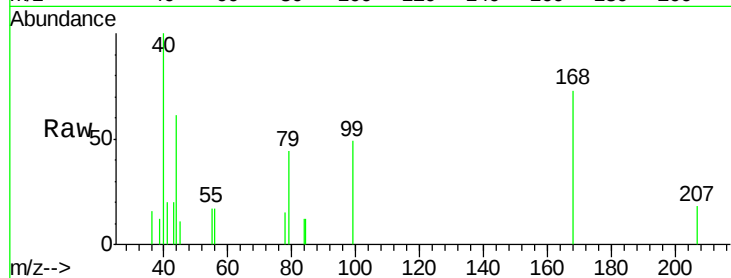
S602-M-1.0-1.5-082319MS

Tot Ion:168 Resp: 503

Ion Ratio Lower Upper

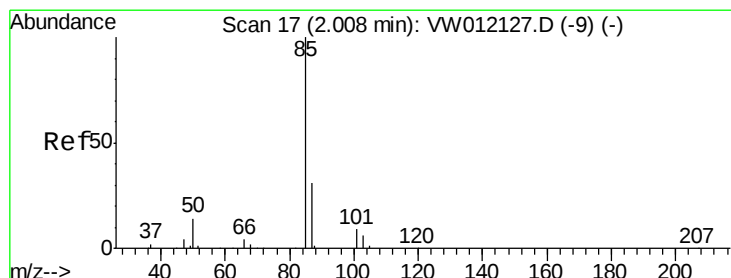
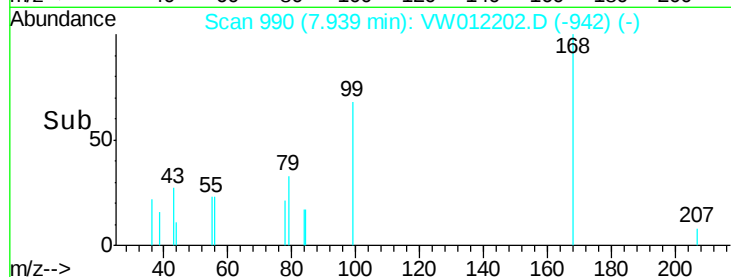
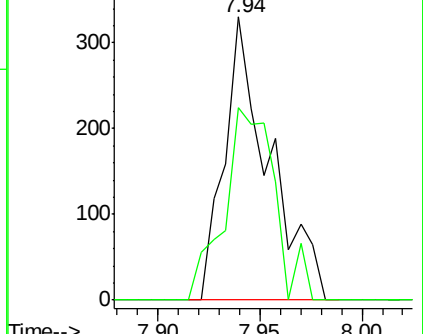
168 100

99 67.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 14.852 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW012202.D

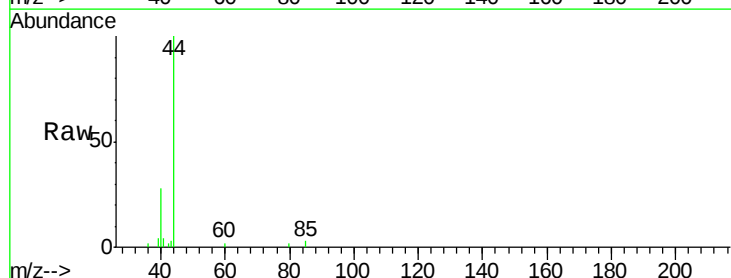
Acq: 27 Aug 2019 10:40

Tgt Ion: 85 Resp: 46

Ion Ratio Lower Upper

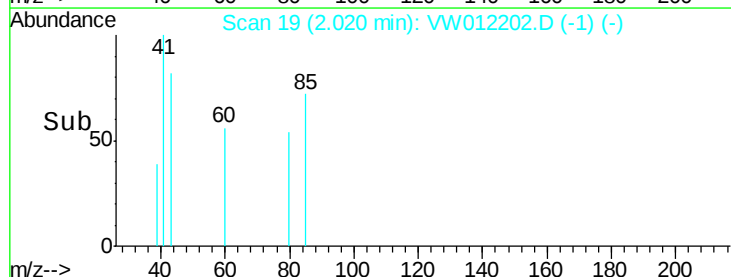
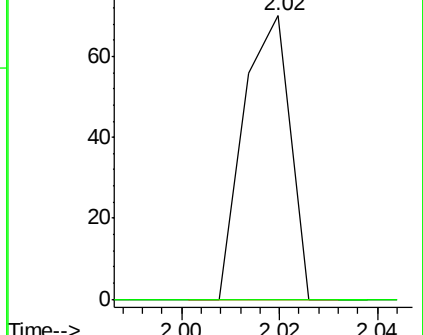
85 100

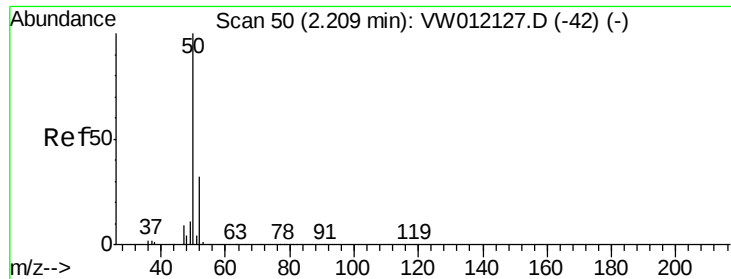
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 90.655 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

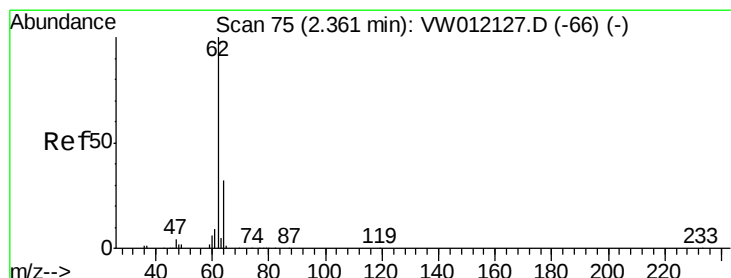
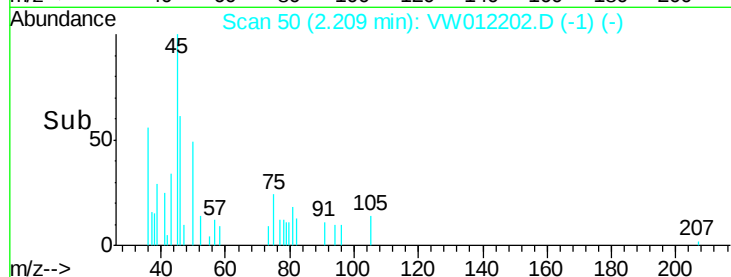
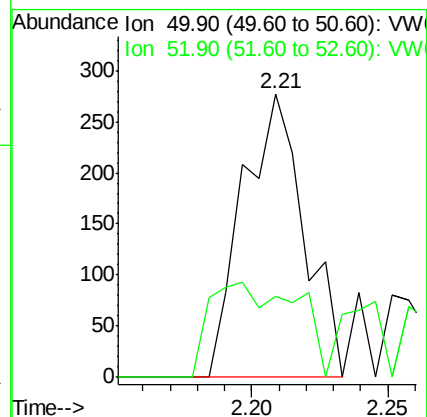
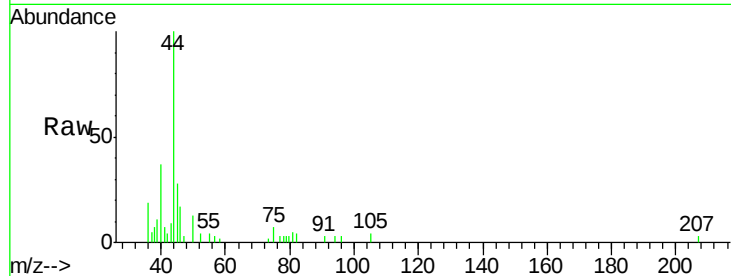
S602-M-1.0-1.5-082319MS

Tot Ion: 50 Resp: 435

Ion Ratio Lower Upper

50 100

52 28.4 25.5 38.3



#4

Vinyl Chloride

Concen: 7.832 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW012202.D

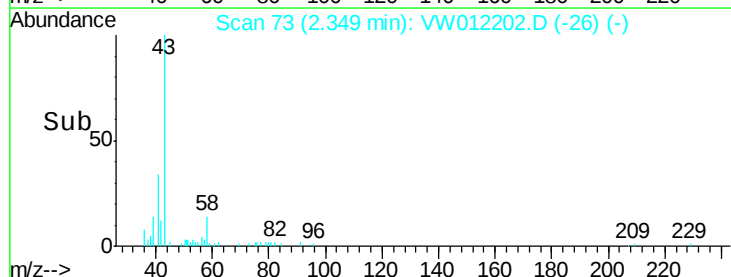
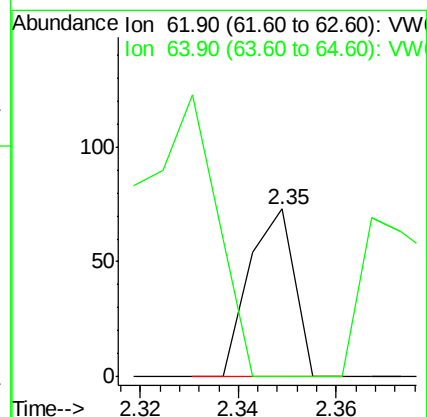
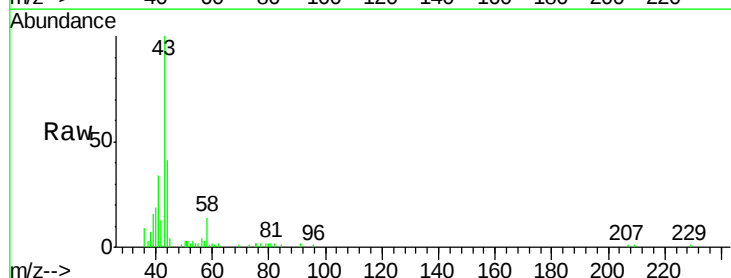
Acq: 27 Aug 2019 10:40

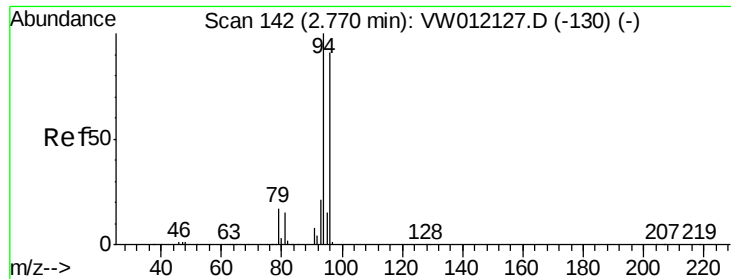
Tgt Ion: 62 Resp: 46

Ion Ratio Lower Upper

62 100

64 0.0 25.3 37.9#





#5

Bromomethane

Concen: 44.379 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

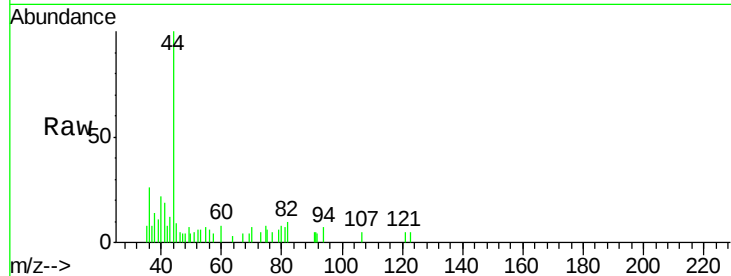
S602-M-1.0-1.5-082319MS

Tot Ion: 94 Resp: 132

Ion Ratio Lower Upper

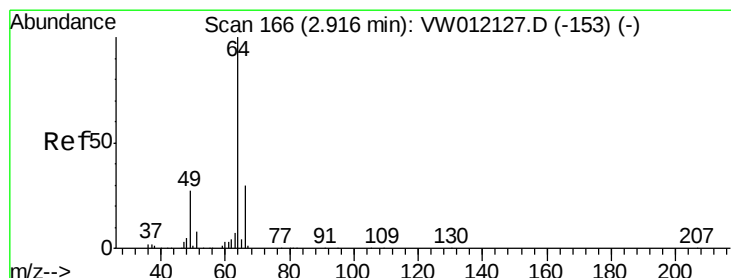
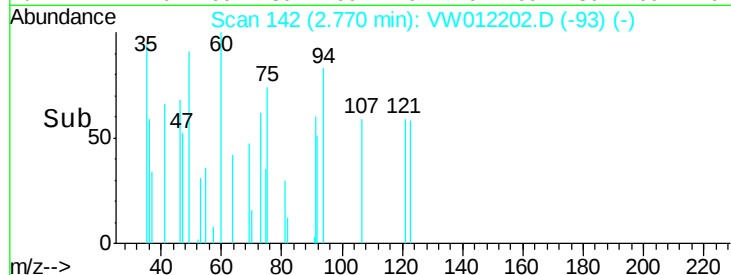
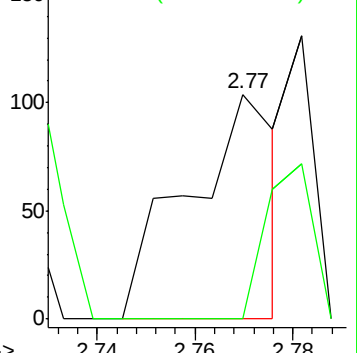
94 100

96 0.0 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: 56.141 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012202.D

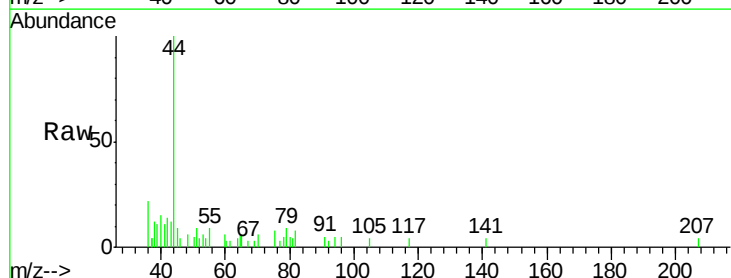
Acq: 27 Aug 2019 10:40

Tgt Ion: 64 Resp: 186

Ion Ratio Lower Upper

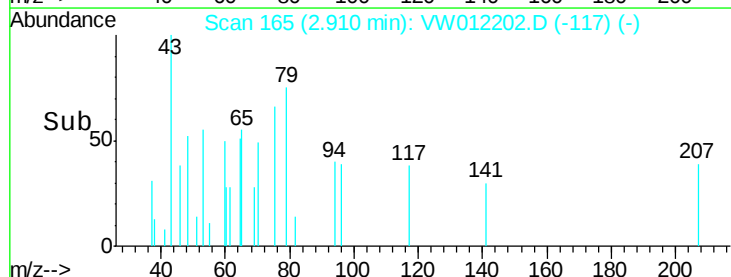
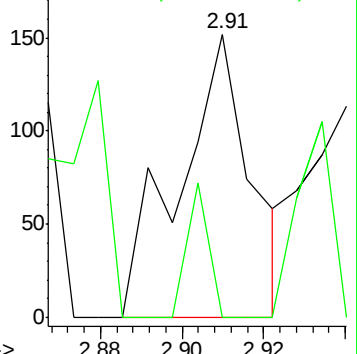
64 100

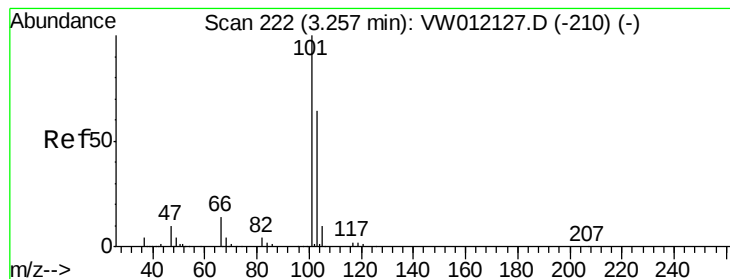
66 0.0 23.8 35.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



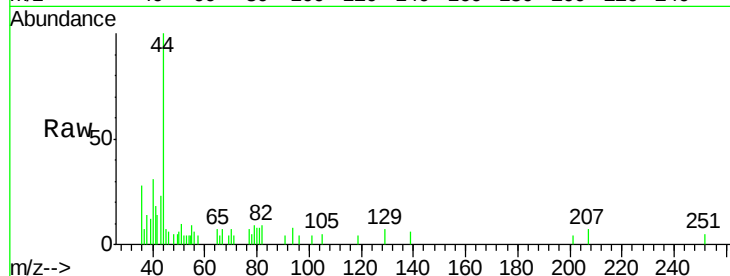


#7

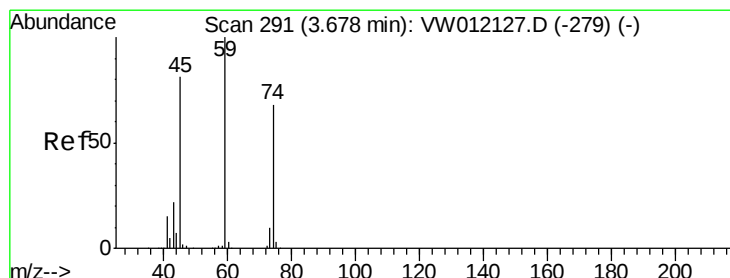
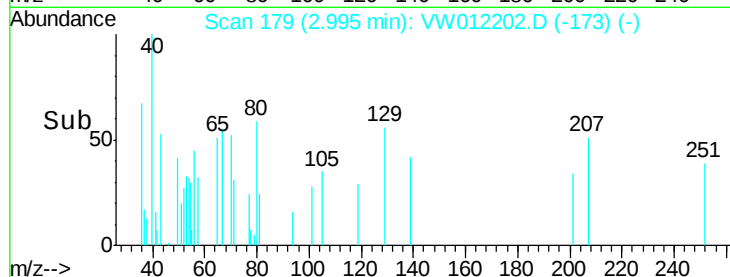
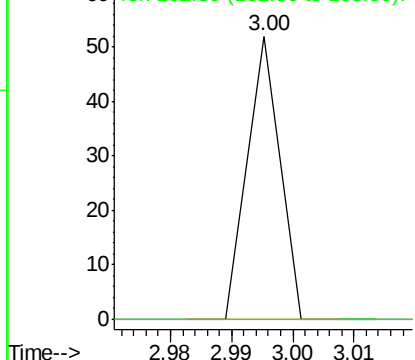
Trichlorofluoromethane
Concen: 6.443 ug/l
RT: 3.00 min Scan# 179
Delta R.T. -0.26 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

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S602-M-1.0-1.5-082319MS

Tot Ion:101 Resp: 19
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



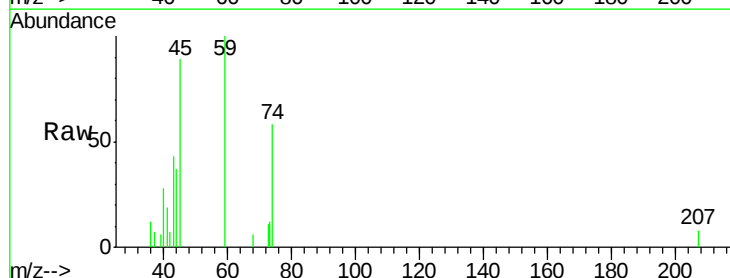
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



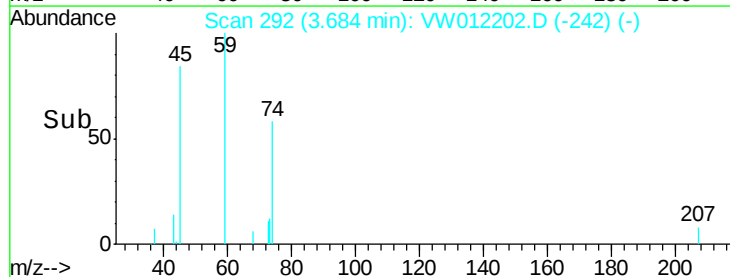
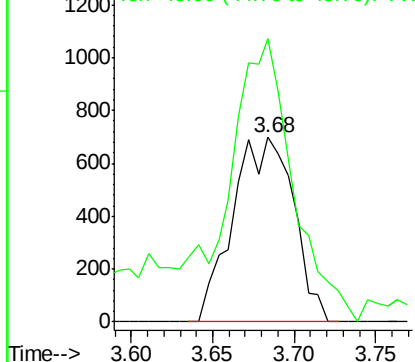
#8

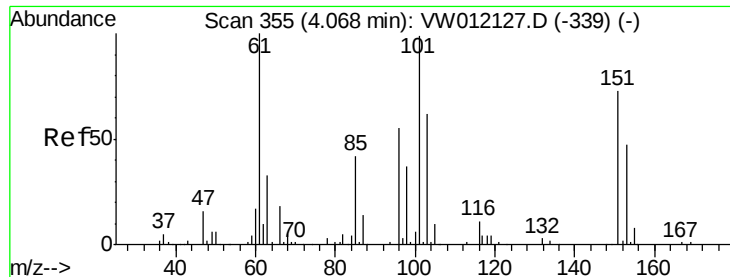
Diethyl Ether
Concen: 644.830 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion: 74 Resp: 1805
Ion Ratio Lower Upper
74 100
45 162.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26712.414 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

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S602-M-1.0-1.5-082319MS

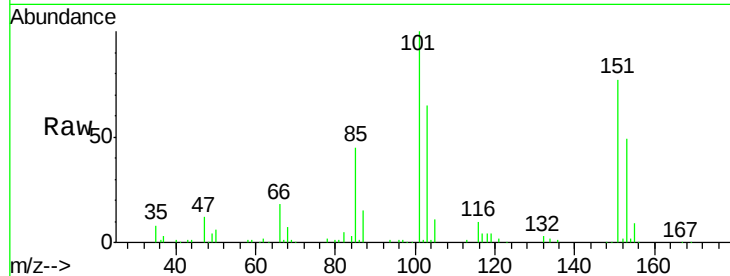
Tot Ion:101 Resp: 133902

Ion Ratio Lower Upper

101 100

85 44.3 35.8 53.6

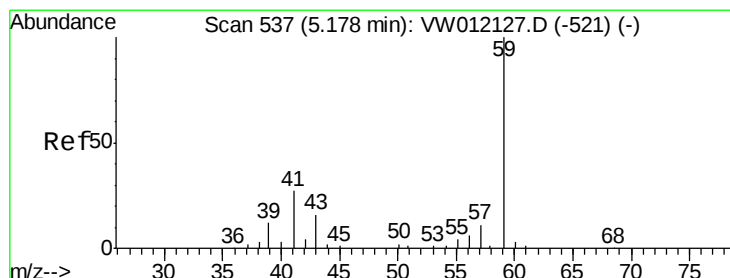
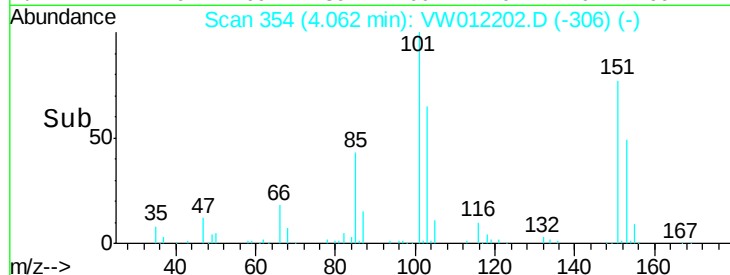
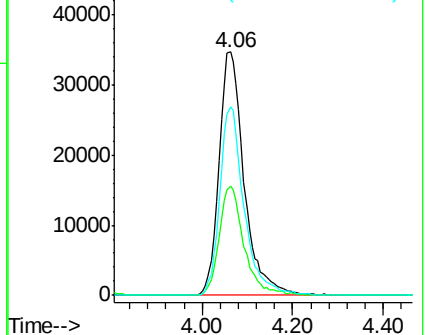
151 74.9 58.6 87.8



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



#11

Tert butyl alcohol

Concen: 1011.562 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012202.D

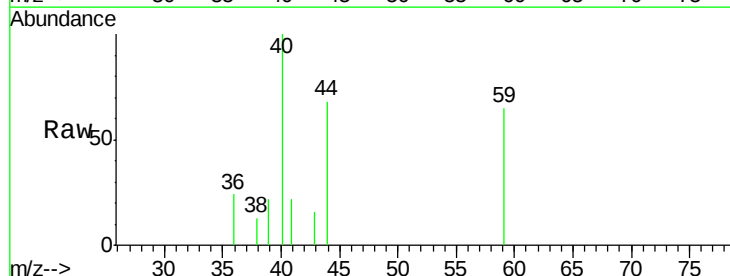
Acq: 27 Aug 2019 10:40

Tgt Ion: 59 Resp: 364

Ion Ratio Lower Upper

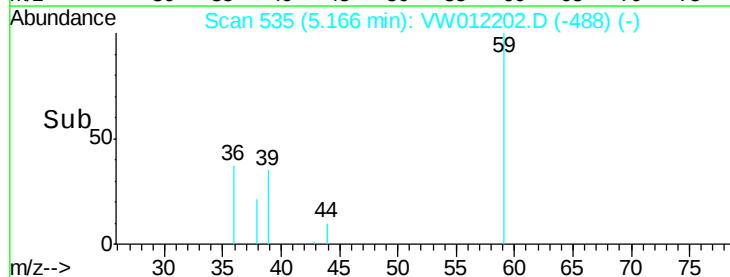
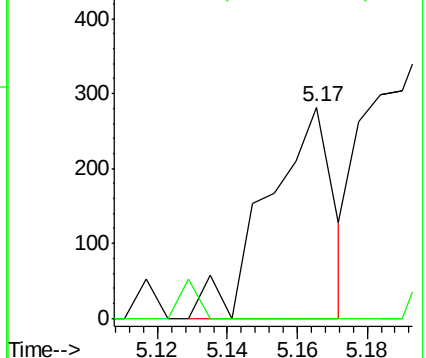
59 100

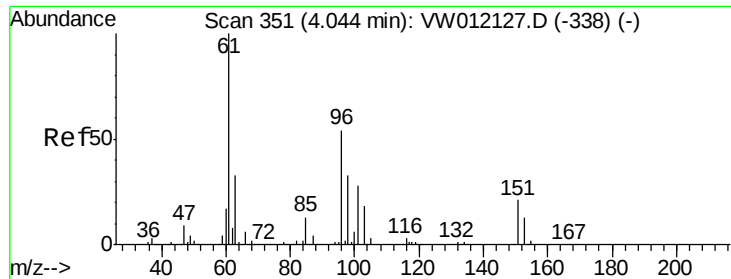
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#12

1,1-Dichloroethene

Concen: 37.460 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

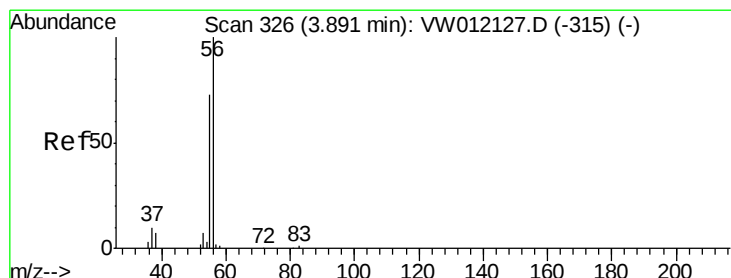
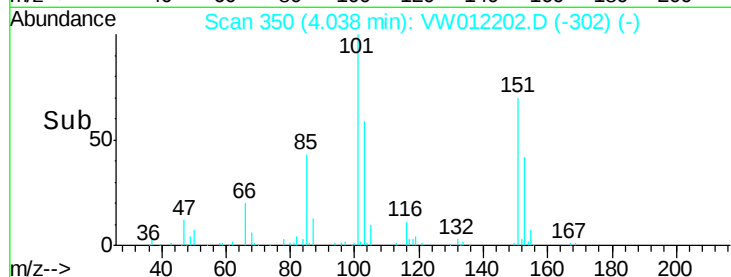
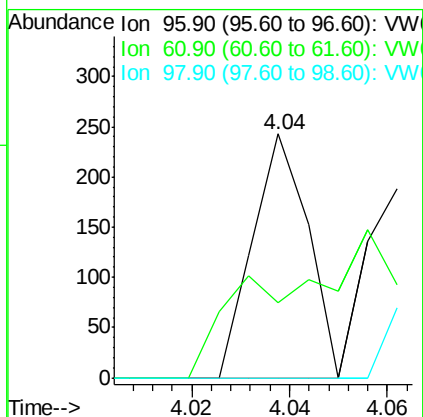
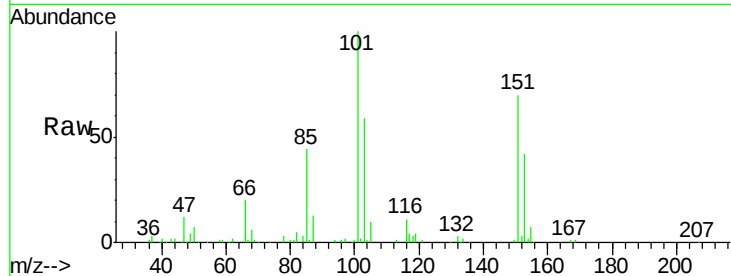
Tot Ion: 96 Resp: 189

Ion Ratio Lower Upper

96 100

61 30.9 149.1 223.7#

98 0.0 49.4 74.2#



#13

Acrolein

Concen: 59.045 ug/l

RT: 4.03 min Scan# 349

Delta R.T. 0.14 min

Lab File: VW012202.D

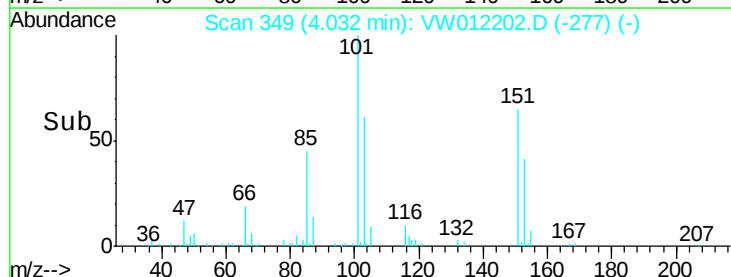
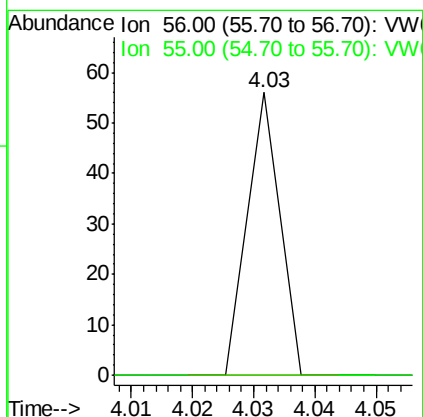
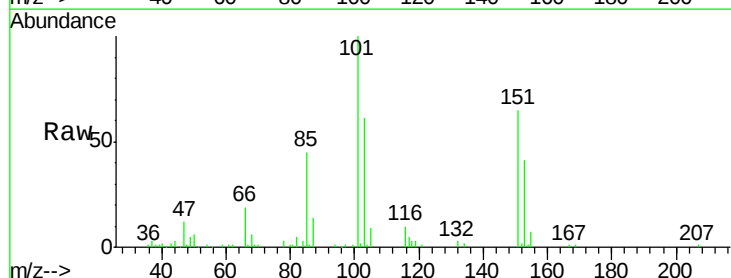
Acq: 27 Aug 2019 10:40

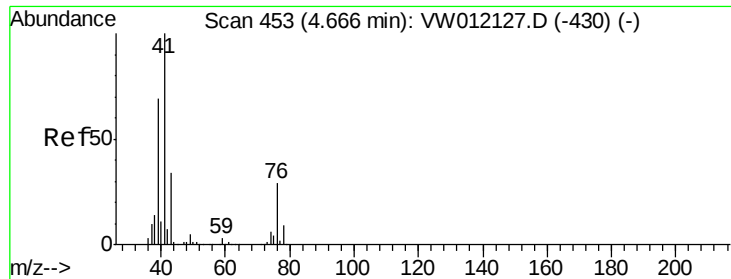
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#

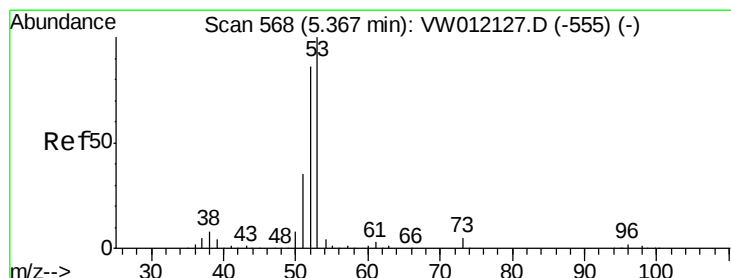
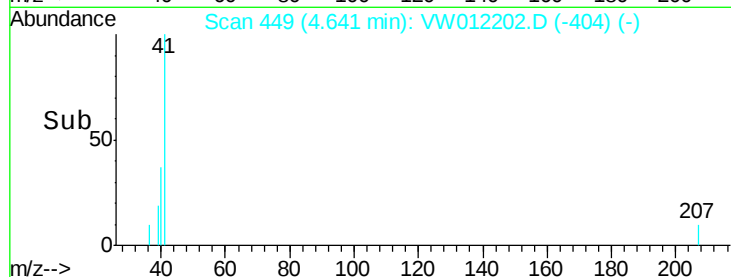
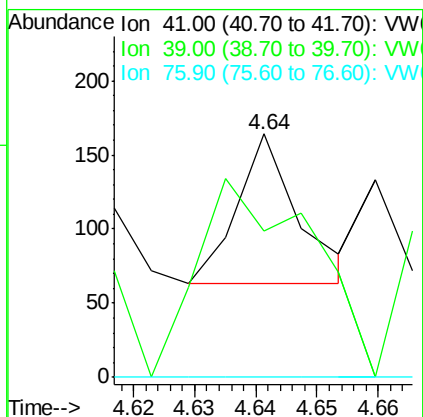
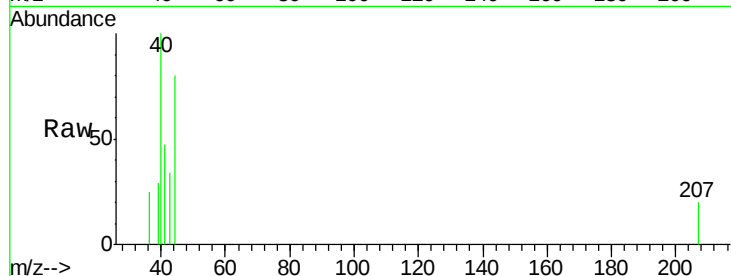




#14
Allvl chloride
Concen: 6.397 ug/l
RT: 4.64 min Scan# 449
Delta R.T. -0.02 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

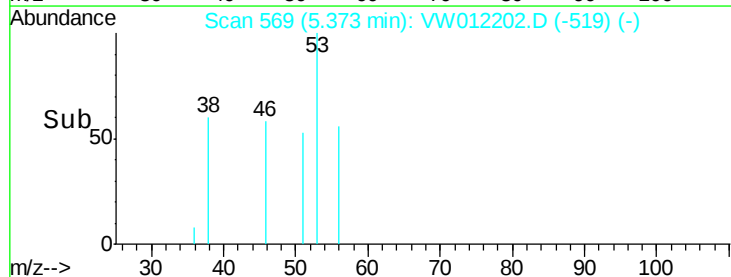
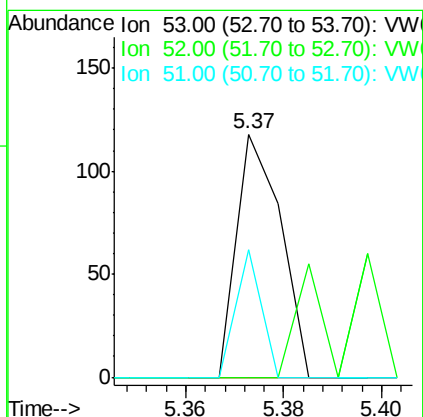
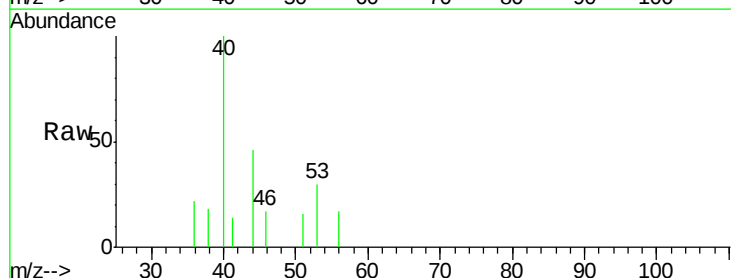
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

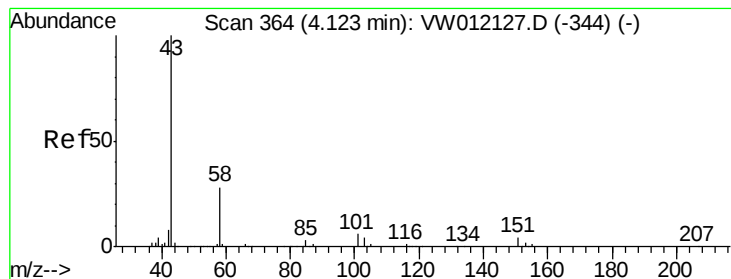
Tot Ion: 41 Resp: 69
Ion Ratio Lower Upper
41 100
39 252.2 53.4 80.2#
76 0.0 22.1 33.1#



#15
Acrylonitrile
Concen: 53.335 ug/l
RT: 5.37 min Scan# 569
Delta R.T. 0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion: 53 Resp: 74
Ion Ratio Lower Upper
53 100
52 0.0 66.7 100.1#
51 31.1 30.1 45.1





#16

Acetone

Concen: 33186.122 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

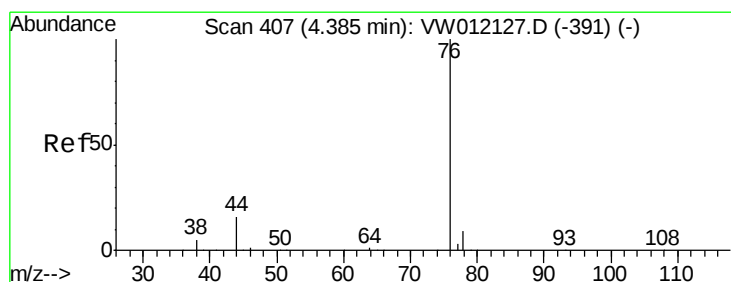
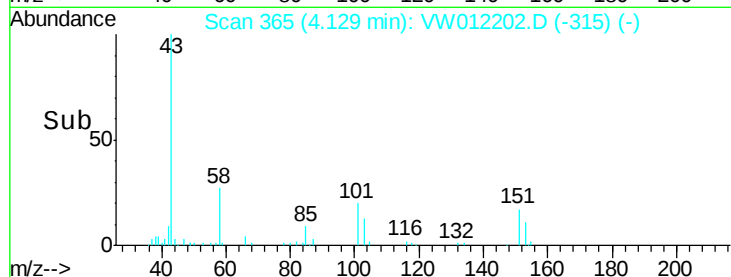
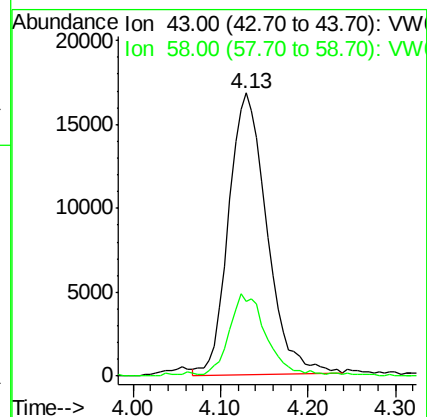
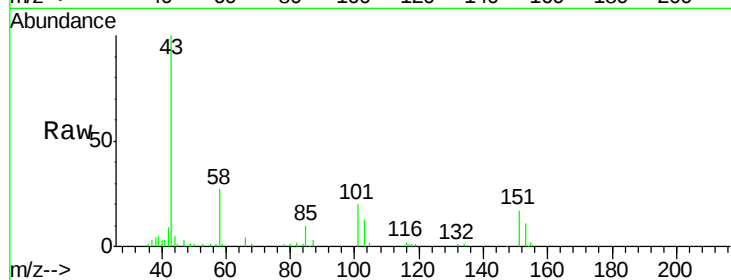
S602-M-1.0-1.5-082319MS

Tot Ion: 43 Resp: 50724

Ion Ratio Lower Upper

43 100

58 26.1 22.4 33.6



#17

Carbon Disulfide

Concen: 56.335 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012202.D

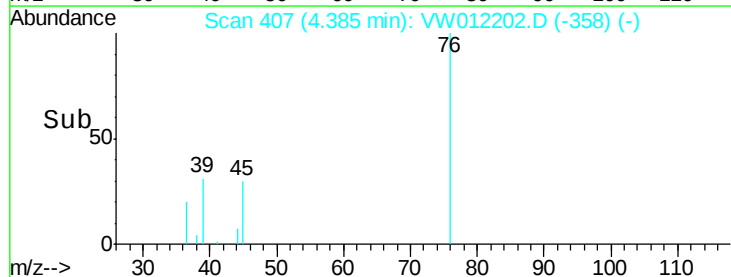
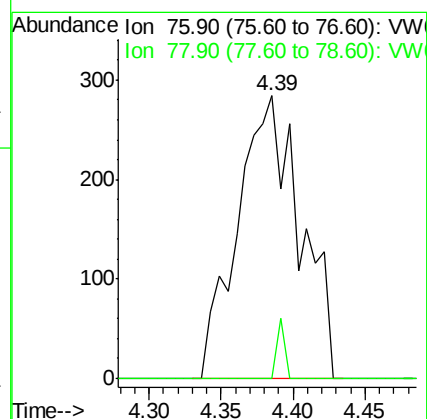
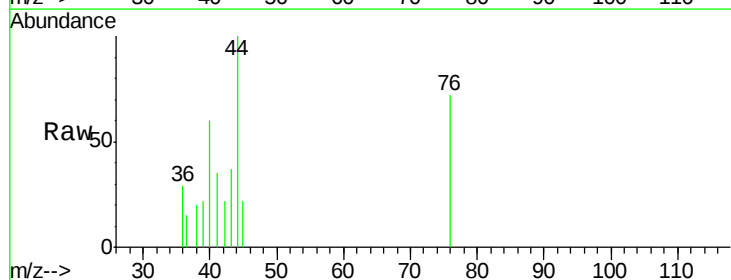
Acq: 27 Aug 2019 10:40

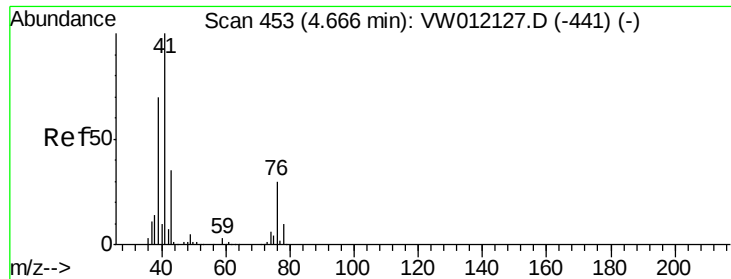
Tgt Ion: 76 Resp: 859

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

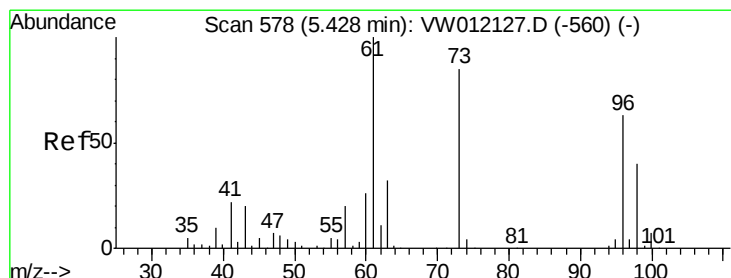
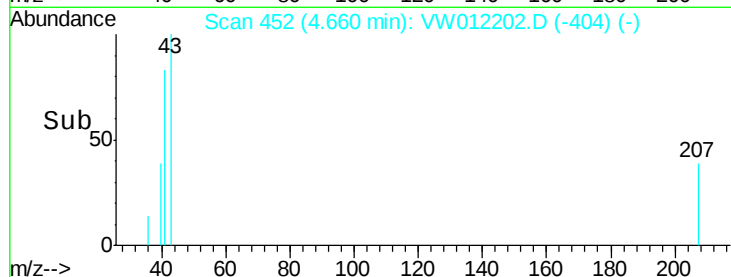
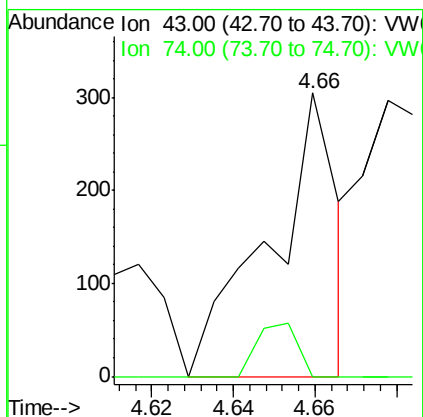
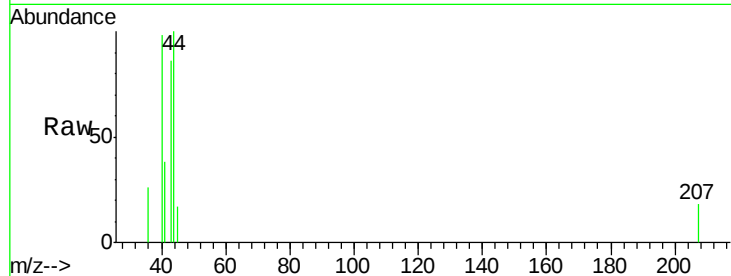




#18
Methyl Acetate
Concen: 92.452 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

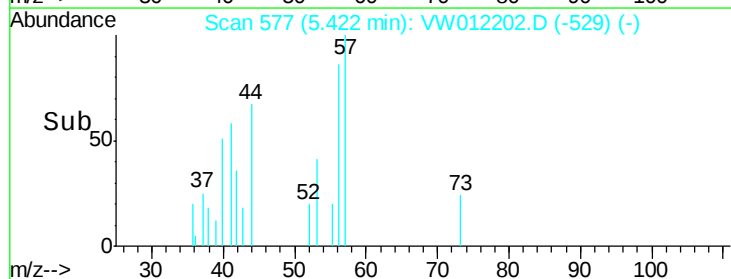
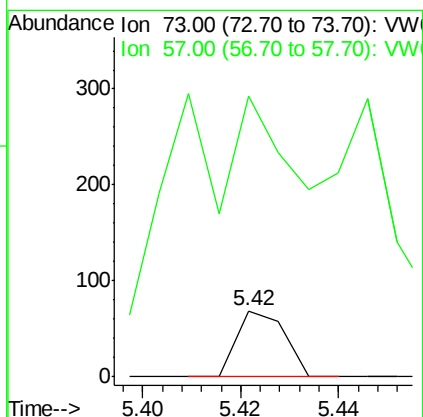
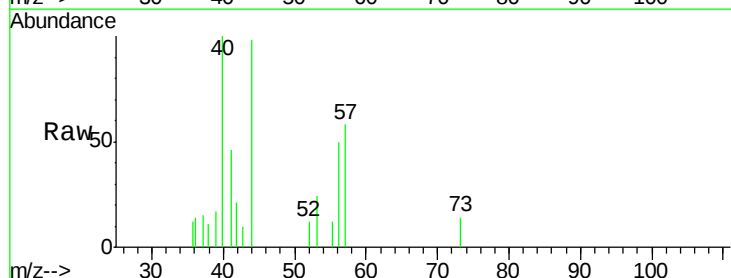
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

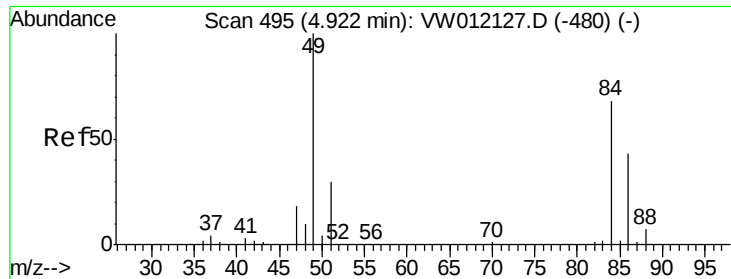
Tot Ion: 43 Resp: 350
Ion Ratio Lower Upper
43 100
74 11.4 15.7 23.5#



#19
Methyl tert-butyl Ether
Concen: 5.638 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion: 73 Resp: 46
Ion Ratio Lower Upper
73 100
57 117.4 18.9 28.3#

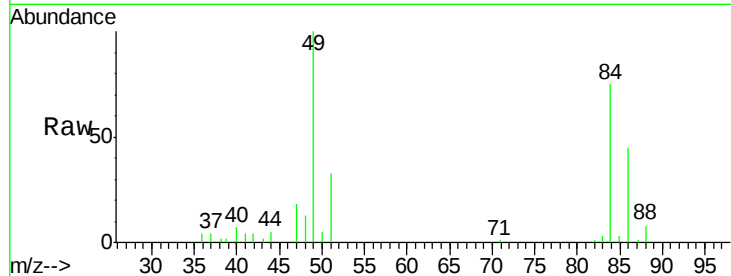




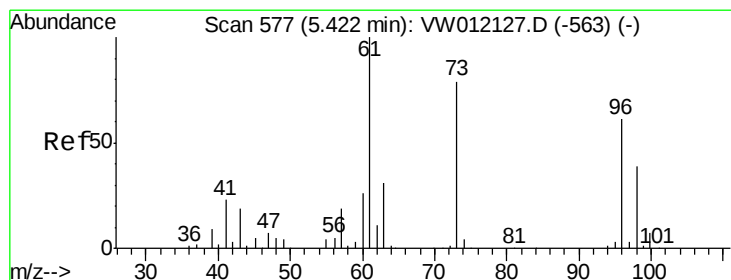
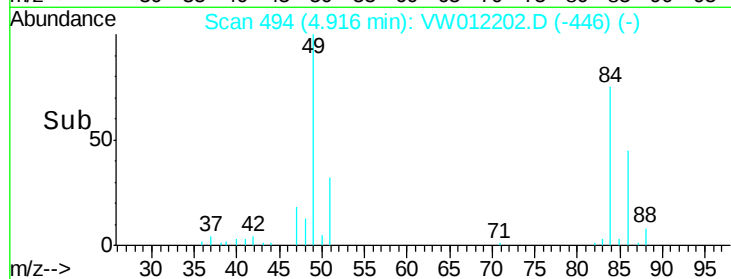
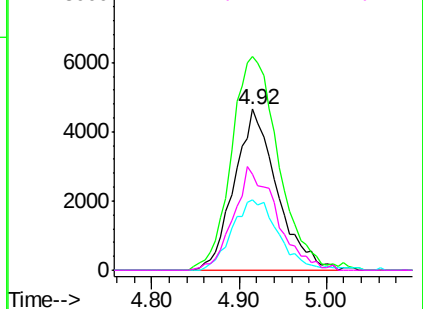
#20
Methylene Chloride
Concen: 2732.324 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

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

Tot Ion:	84	Resp:	15788
Ion	Ratio	Lower	Upper
84	100		
49	132.6	117.8	176.8
51	43.4	35.6	53.4
86	60.0	51.2	76.8

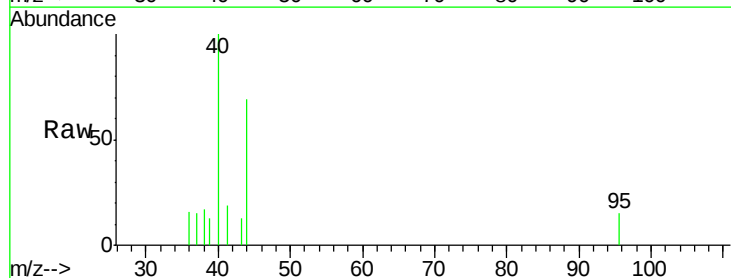


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

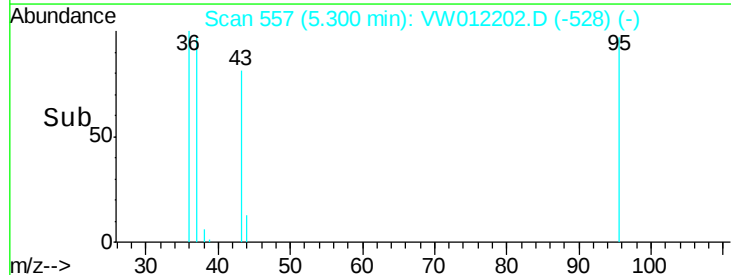
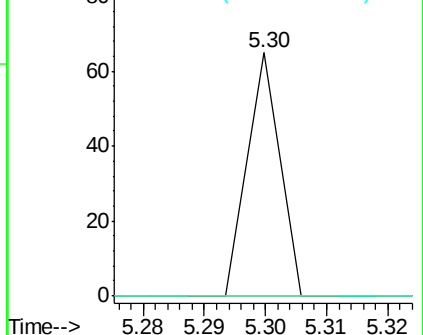


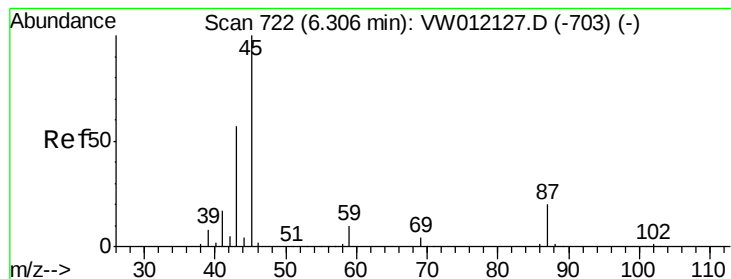
#21
trans-1,2-Dichloroethene
Concen: 4.436 ug/l
RT: 5.30 min Scan# 557
Delta R.T. -0.12 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion:	96	Resp:	24
Ion	Ratio	Lower	Upper
96	100		
61	0.0	131.4	197.0#
98	0.0	51.4	77.0#



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW





#22

Diisopropyl ether

Concen: 1.200 ug/l

RT: 6.35 min Scan# 729

Delta R.T. 0.04 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

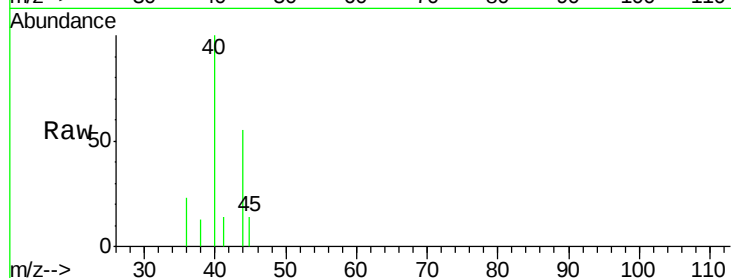
Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

Tot Ion:	45	Resp:	24
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#

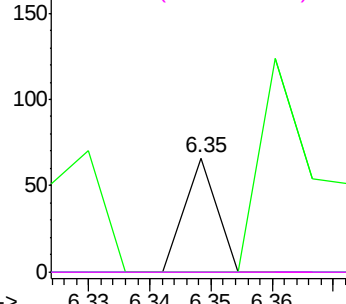


Abundance Ion 45.00 (44.70 to 45.70): VW

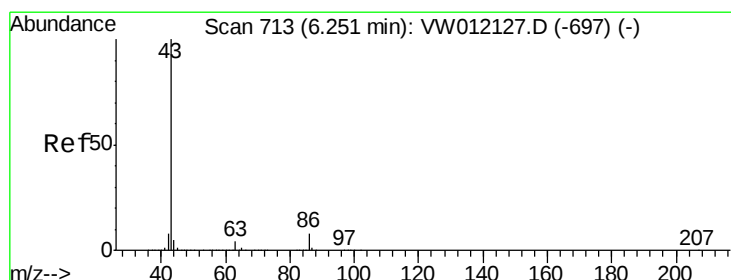
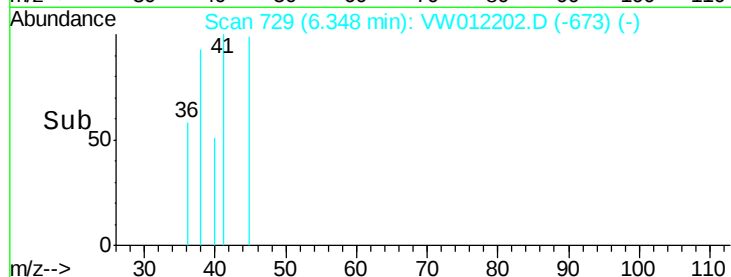
Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW



Time-->



#23

Vinyl Acetate

Concen: 12.272 ug/l

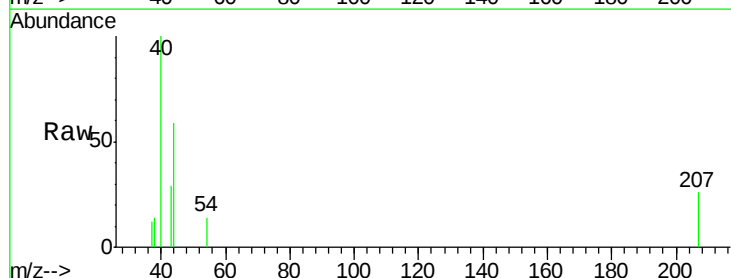
RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012202.D

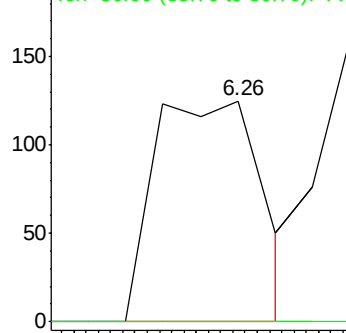
Acq: 27 Aug 2019 10:40

Tgt Ion:	43	Resp:	151
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#

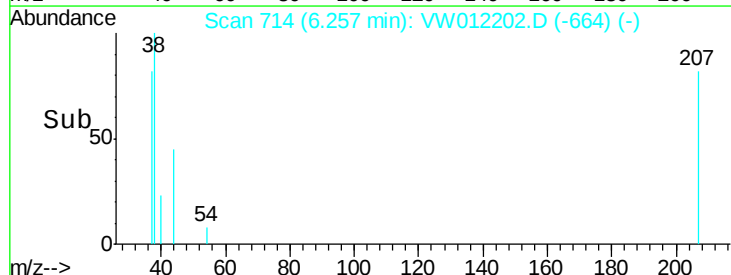


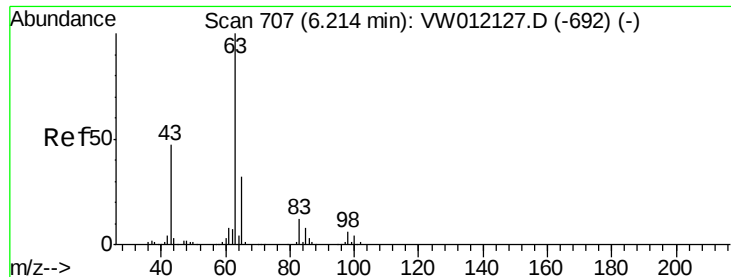
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->





#24

1,1-Dichloroethane

Concen: 1.745 ug/l

RT: 5.93 min Scan# 661

Delta R.T. -0.28 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

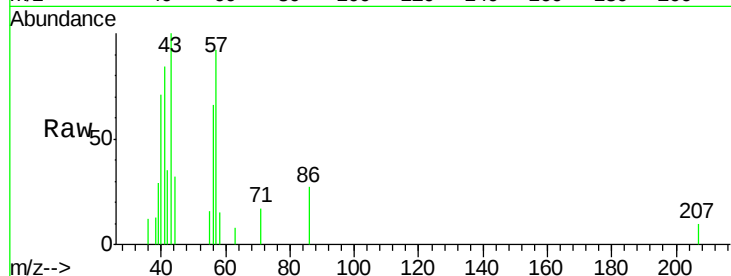
Tot Ion: 63 Resp: 19

Ion Ratio Lower Upper

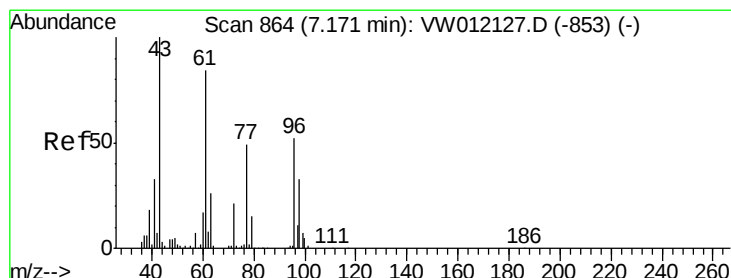
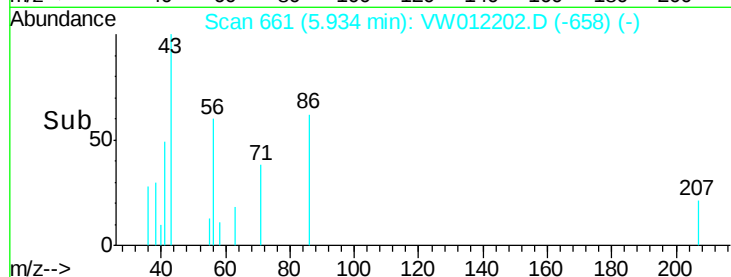
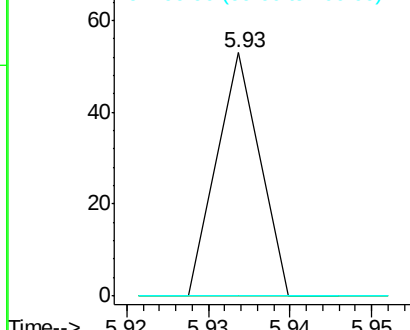
63 100

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



#25

2-Butanone

Concen: 2622.513 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012202.D

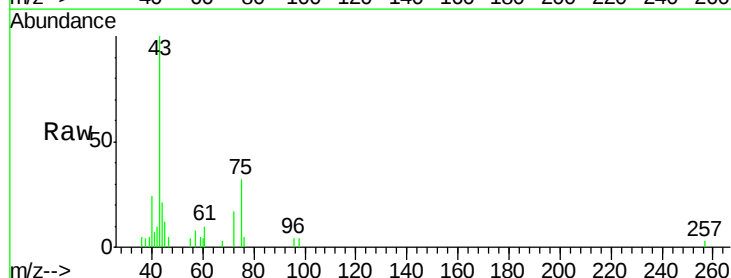
Acq: 27 Aug 2019 10:40

Tgt Ion: 43 Resp: 5447

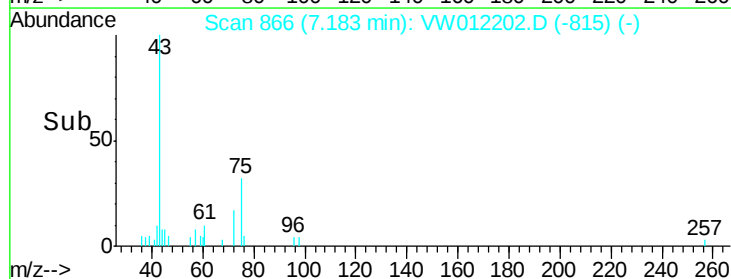
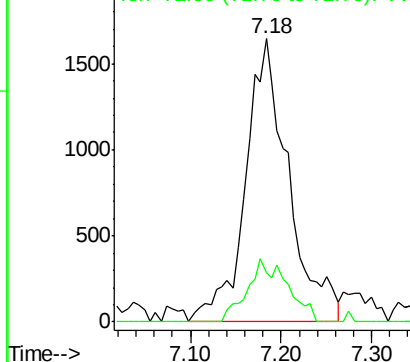
Ion Ratio Lower Upper

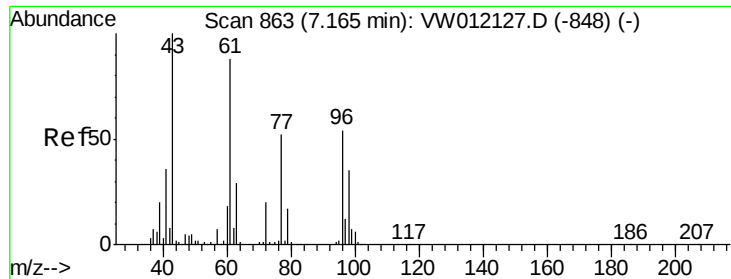
43 100

72 17.2 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 74.007 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

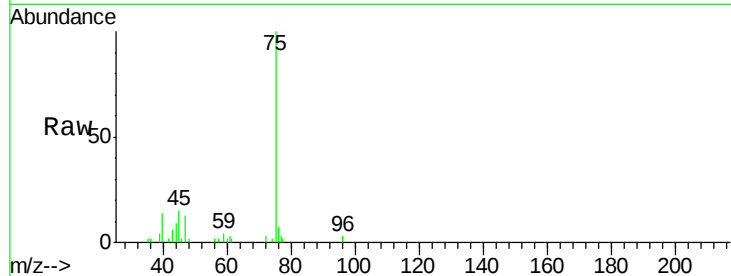
S602-M-1.0-1.5-082319MS

Tot Ion: 77 Resp: 456

Ion Ratio Lower Upper

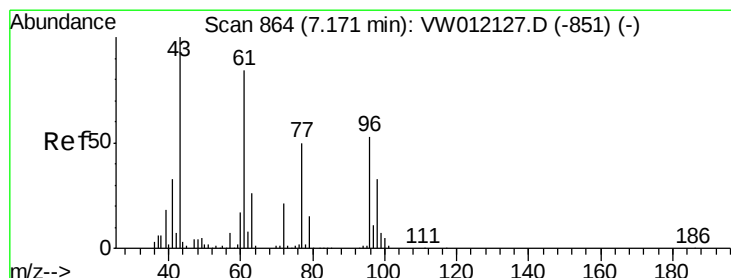
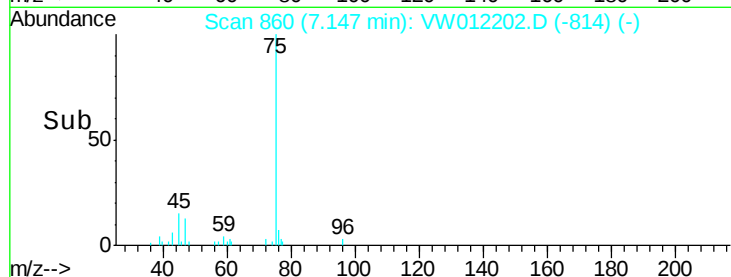
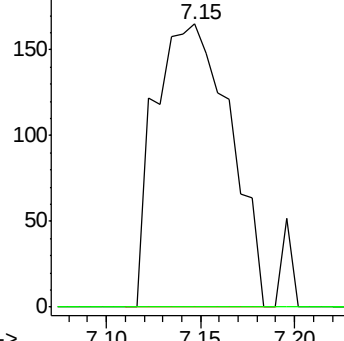
77 100

97 0.0 11.1 33.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#27

cis-1,2-Dichloroethene

Concen: 32.696 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

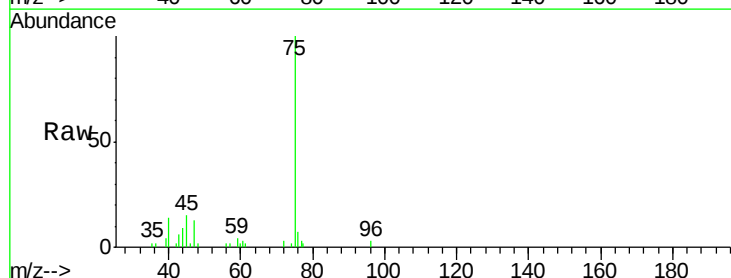
Tgt Ion: 96 Resp: 189

Ion Ratio Lower Upper

96 100

61 387.8 0.0 326.6#

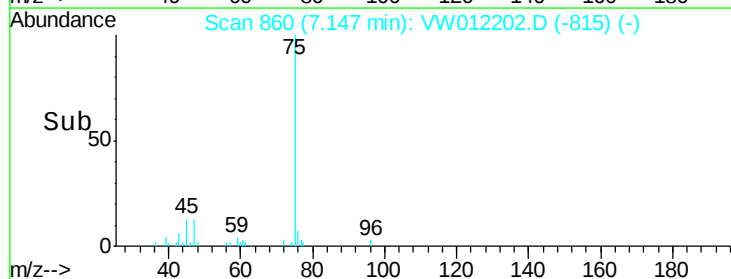
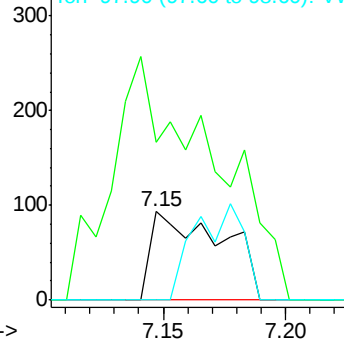
98 0.0 0.0 127.4

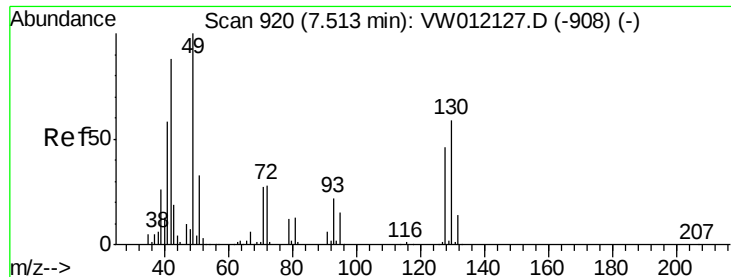


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#28

Bromochloromethane

Concen: 4.637 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

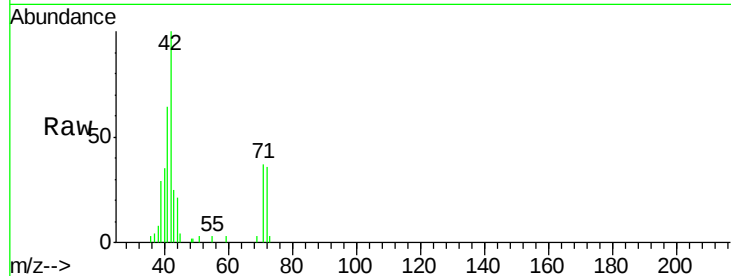
Tot Ion: 49 Resp: 22

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.4

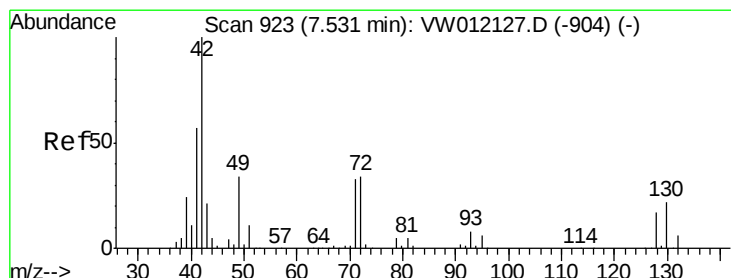
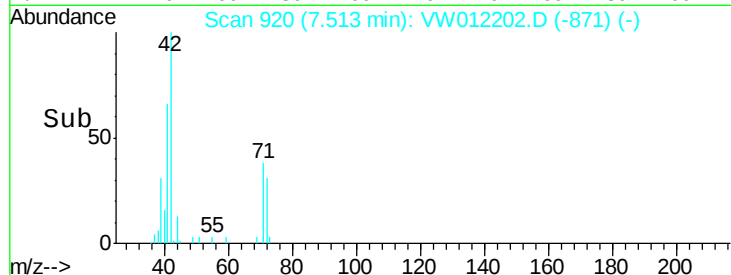
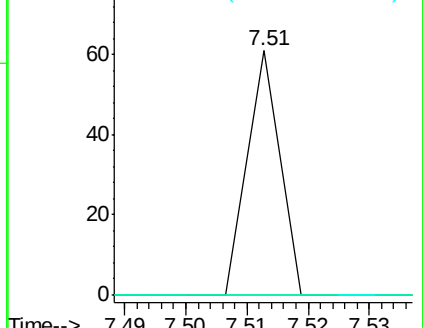
130 0.0 45.5 68.3#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW



#29

Tetrahydrofuran

Concen: 12375.198 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

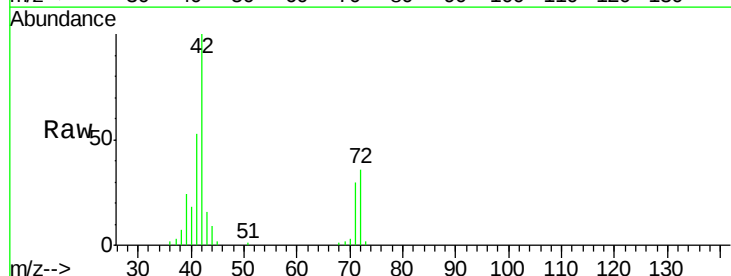
Tgt Ion: 42 Resp: 15421

Ion Ratio Lower Upper

42 100

72 35.1 27.3 40.9

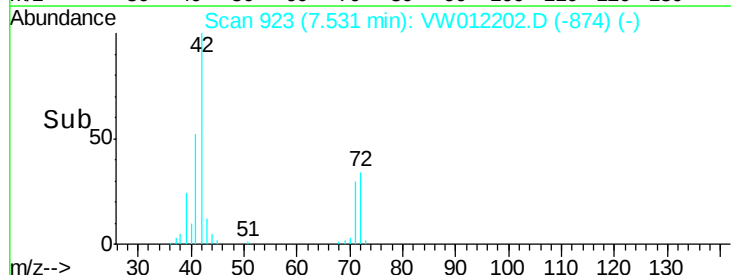
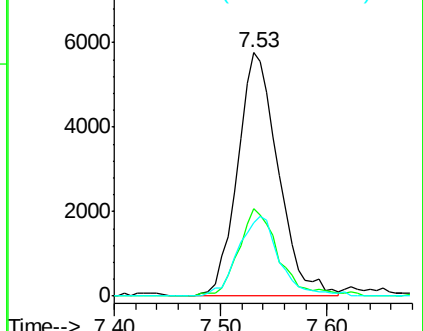
71 33.3 25.5 38.3

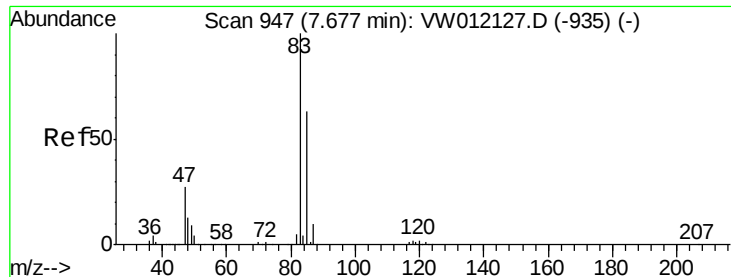


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

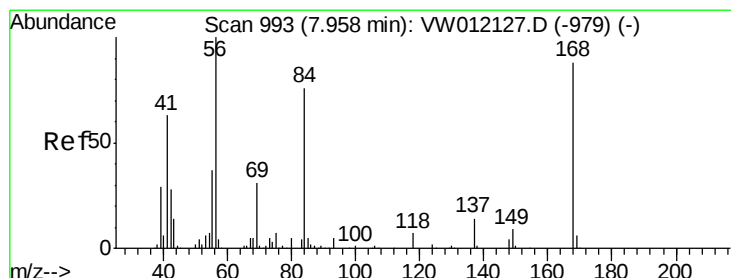
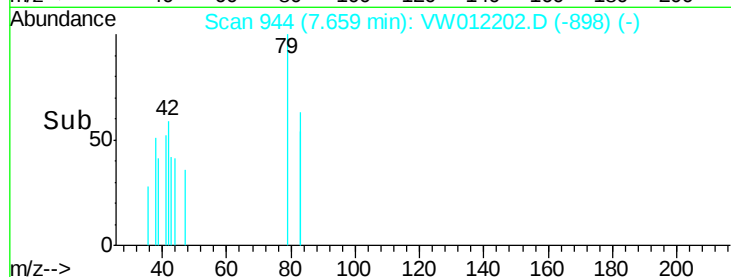
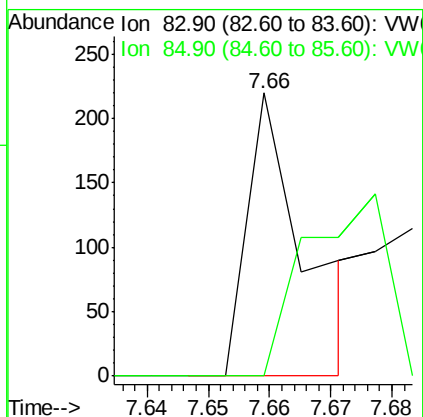
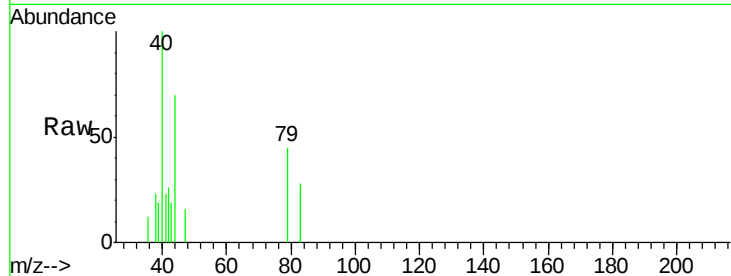




#30
Chloroform
Concen: 14.358 ug/l
RT: 7.66 min Scan# 944
Delta R.T. -0.02 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

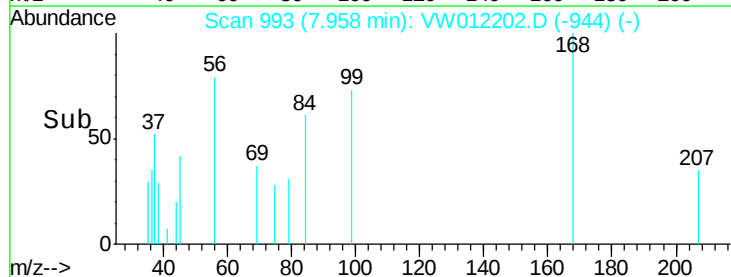
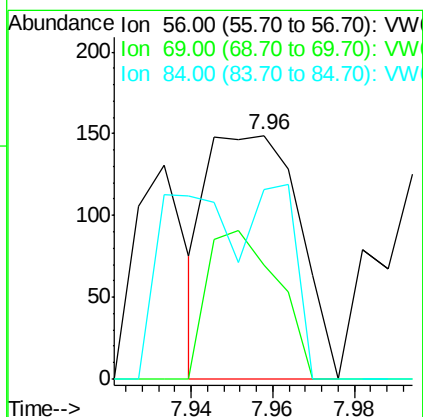
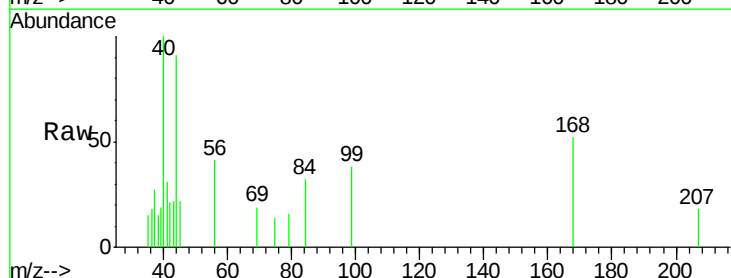
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

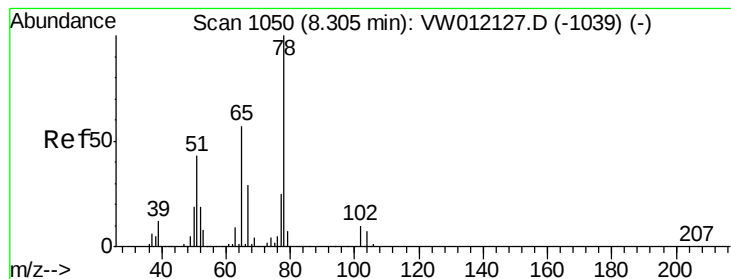
Tot Ion: 83 Resp: 143
Ion Ratio Lower Upper
83 100
85 0.0 50.6 76.0#



#31
Cyclohexane
Concen: 21.541 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
69 47.0 24.9 37.3#
84 77.9 60.6 90.8





#33

1,2-Dichloroethane-d4

Concen: 85.459 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

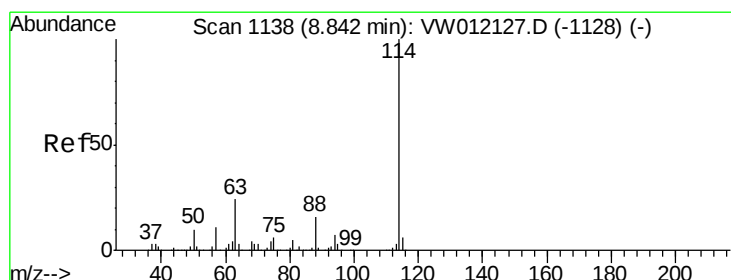
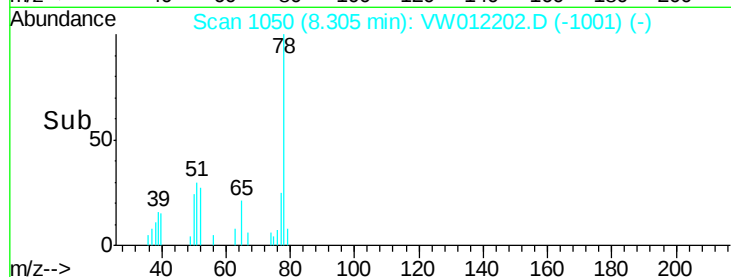
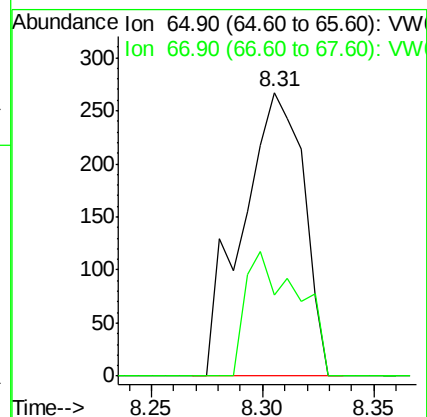
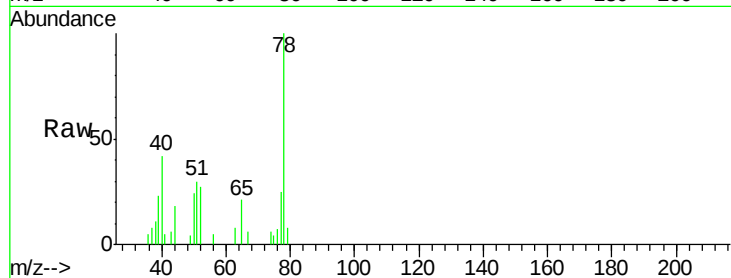
S602-M-1.0-1.5-082319MS

Tot Ion: 65 Resp: 511

Ion Ratio Lower Upper

65 100

67 38.0 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

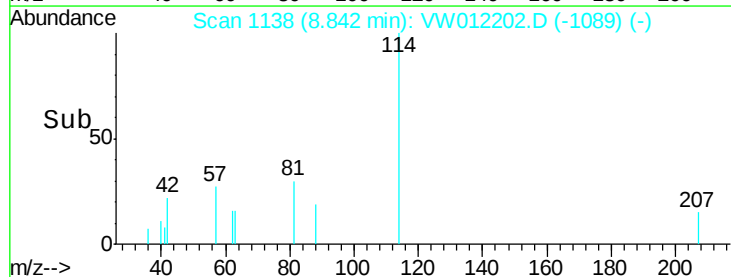
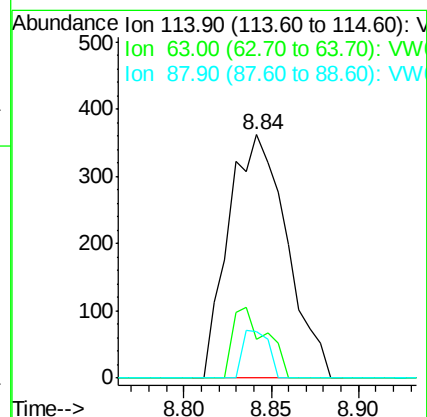
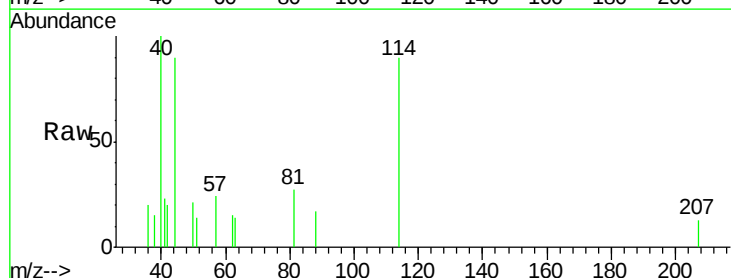
Tgt Ion: 114 Resp: 842

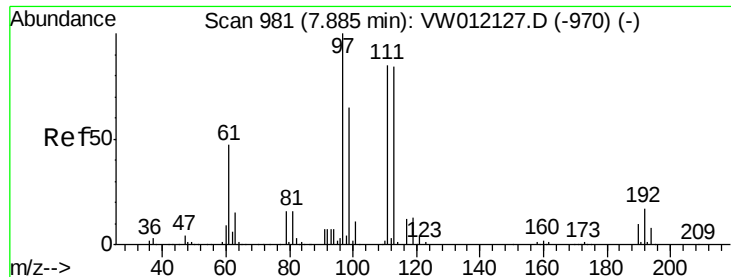
Ion Ratio Lower Upper

114 100

63 16.0 0.0 48.6

88 19.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 44.370 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

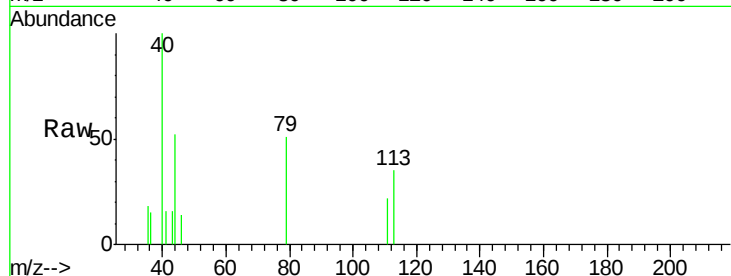
Tot Ion:113 Resp: 223

Ion Ratio Lower Upper

113 100

111 100.9 82.7 124.1

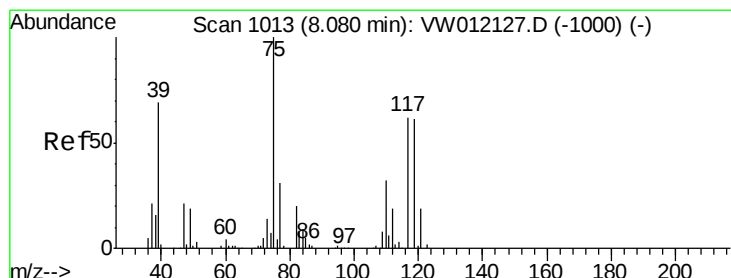
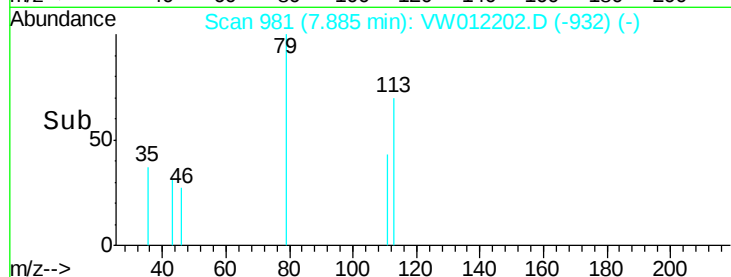
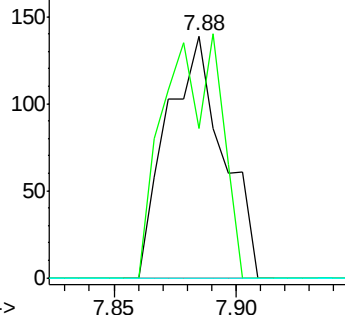
192 0.0 16.2 24.2#



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: 2.184 ug/l

RT: 7.99 min Scan# 998

Delta R.T. -0.09 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

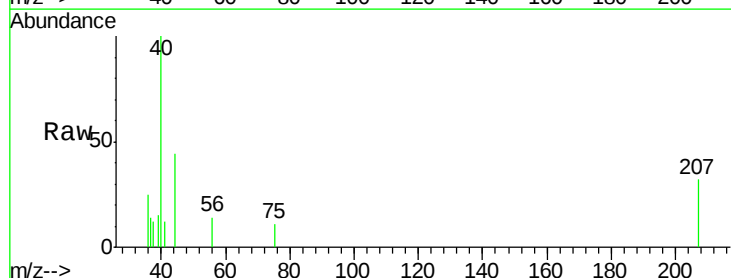
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

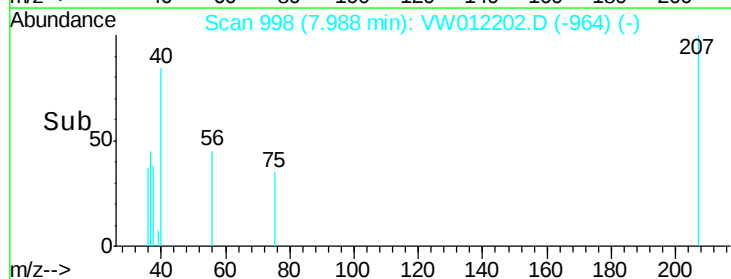
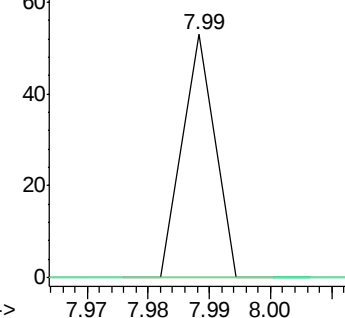
77 0.0 24.6 36.8#

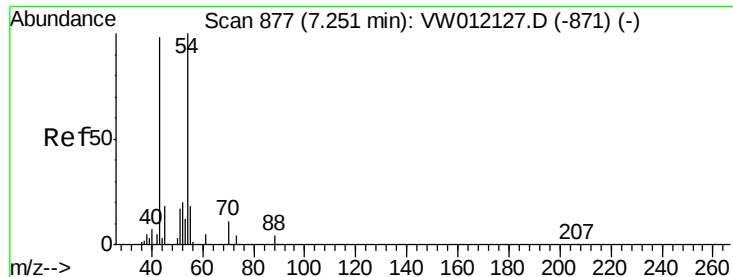


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

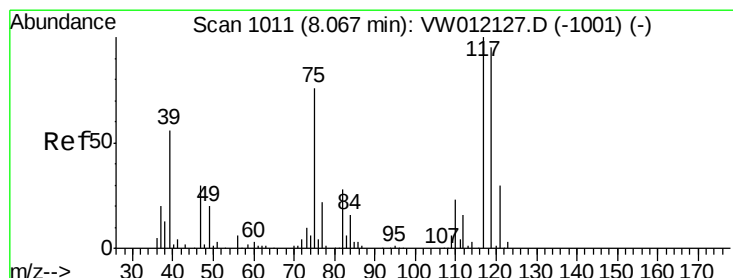
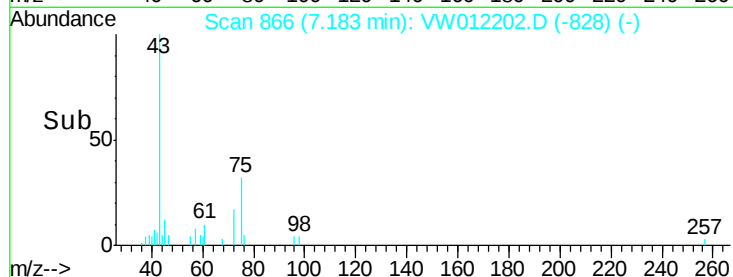
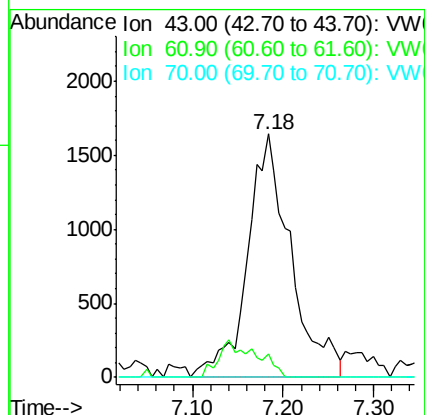
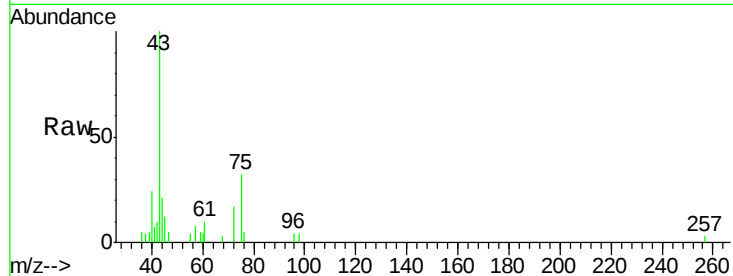




#37
Ethyl Acetate
Concen: 1142.391 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.07 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

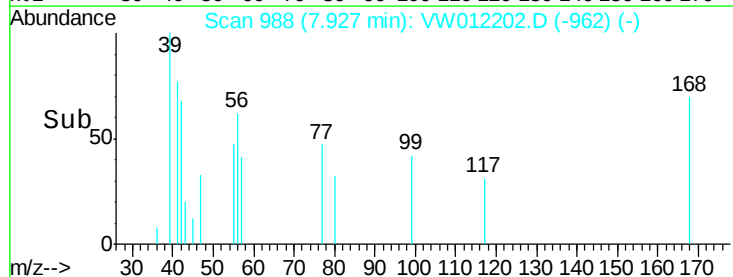
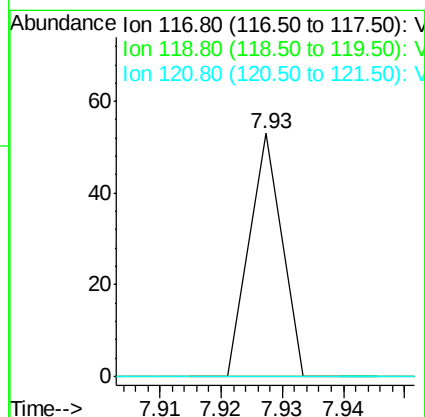
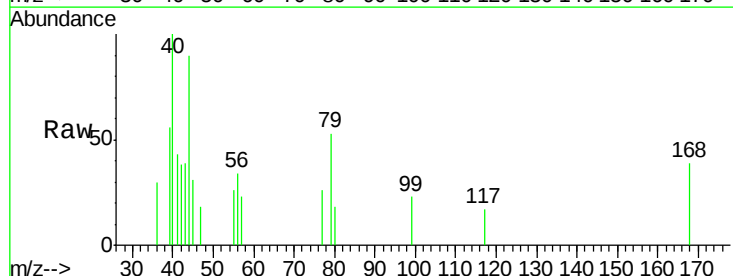
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

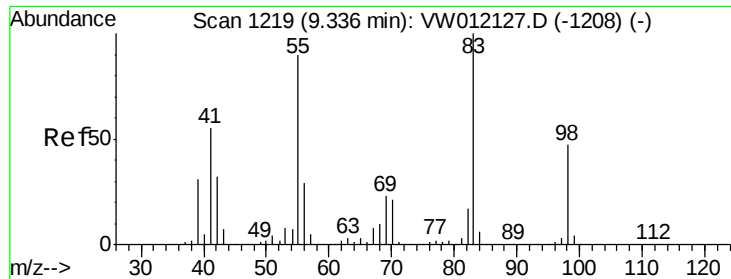
Tot Ion:	43	Resp:	5447
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.2	13.8#
70	0.0	6.9	10.3#



#38
Carbon Tetrachloride
Concen: 2.523 ug/l
RT: 7.93 min Scan# 988
Delta R.T. -0.14 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion:	117	Resp:	19
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.2	114.2#
121	0.0	23.8	35.8#

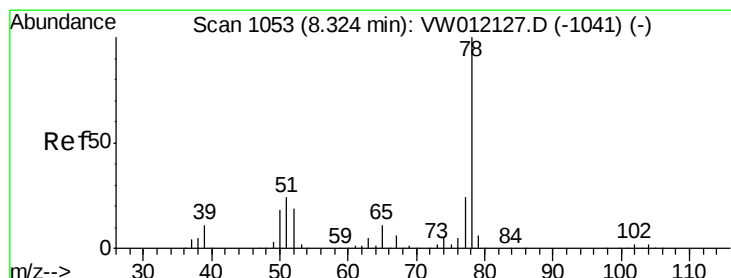
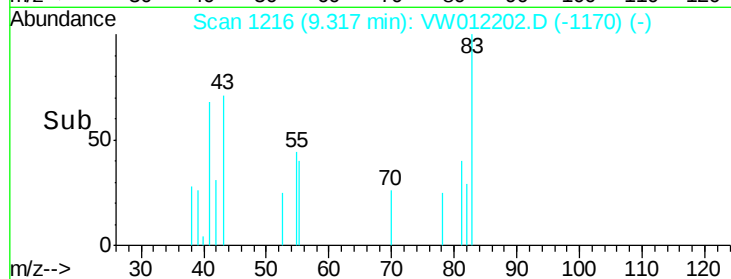
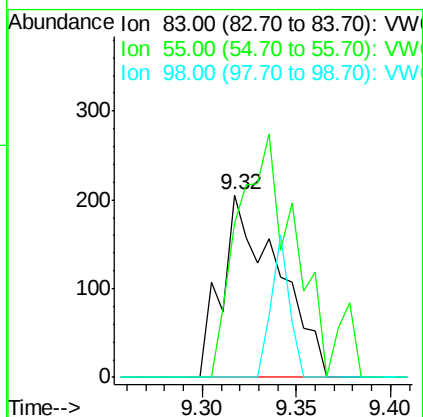
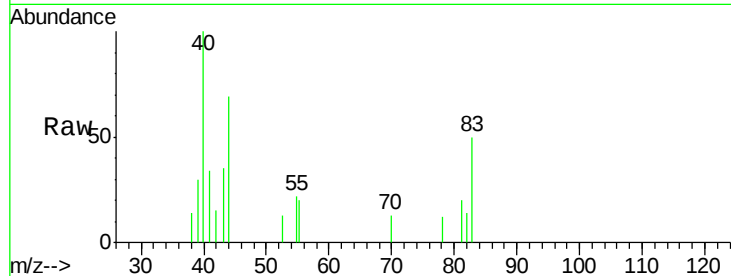




#39
Methvlcvclohexane
Concen: 43.376 ug/l
RT: 9.32 min Scan# 1216
Delta R.T. -0.02 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

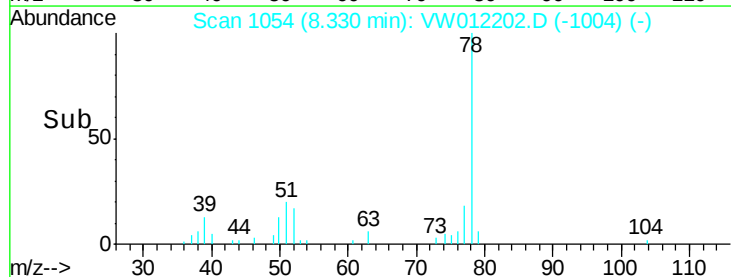
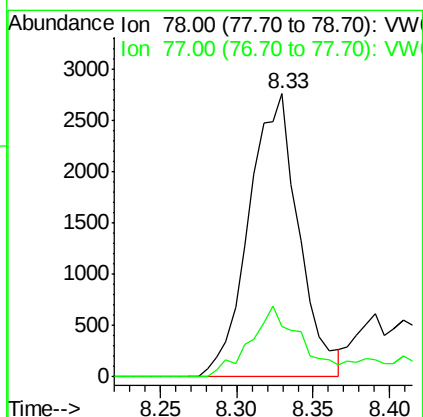
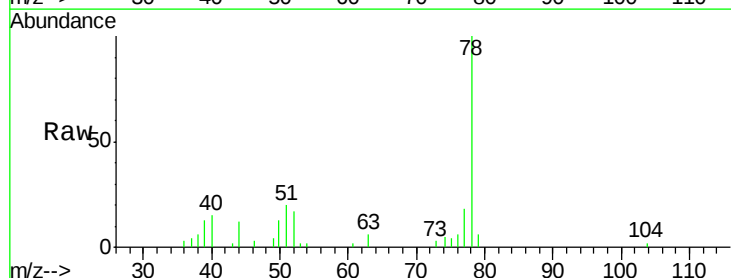
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

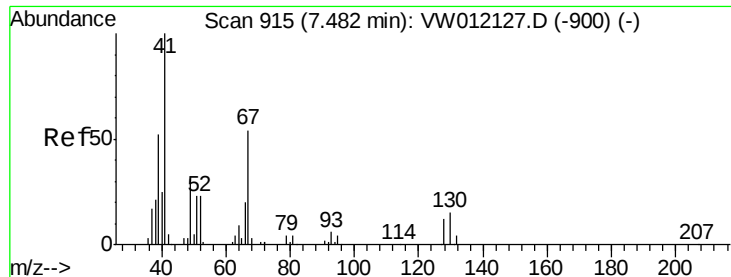
Tot Ion: 83 Resp: 424
Ion Ratio Lower Upper
83 100
55 84.5 71.8 107.8
98 0.0 37.8 56.8#



#40
Benzene
Concen: 263.269 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion: 78 Resp: 6255
Ion Ratio Lower Upper
78 100
77 17.6 19.5 29.3#

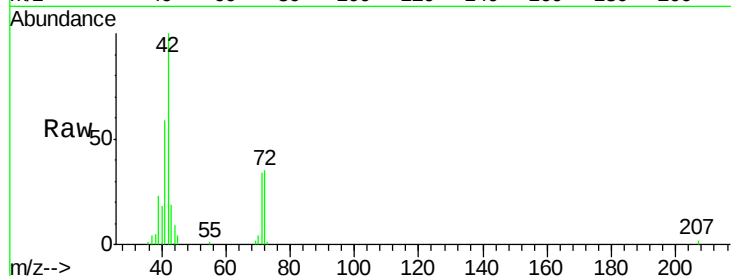




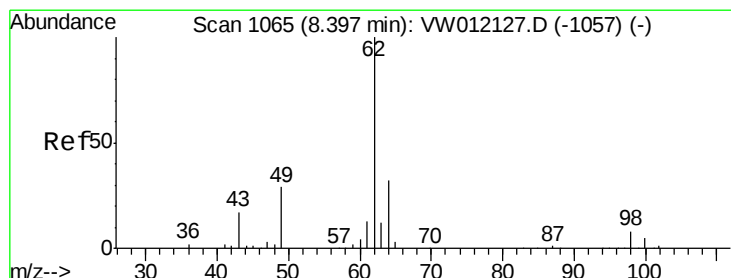
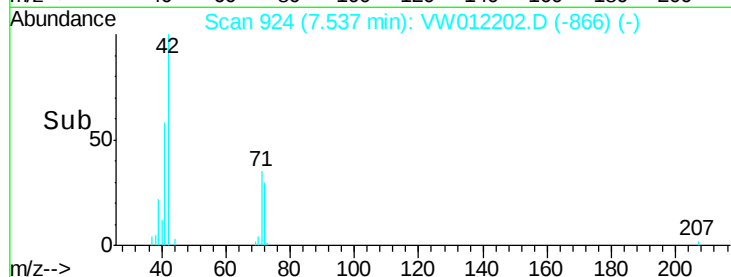
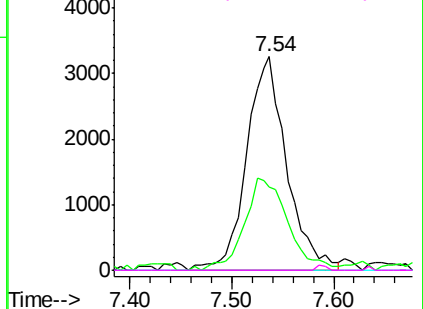
#41
Methacrylonitrile
Concen: 3176.605 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

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

Tot Ion:	41	Resp:	8902
Ion	Ratio	Lower	Upper
41	100		
39	46.9	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#

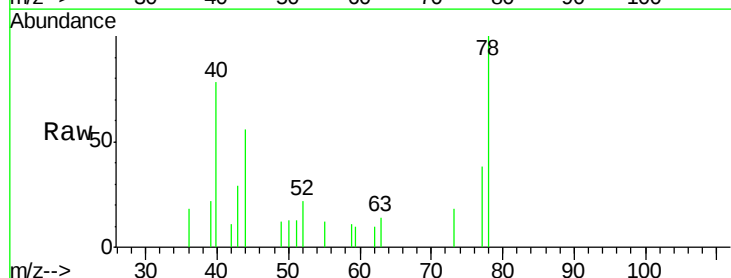


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

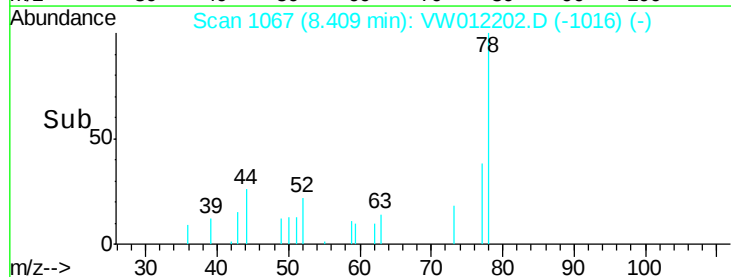
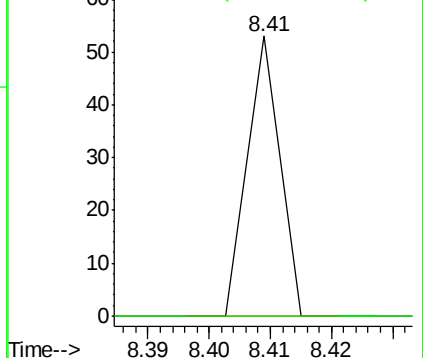


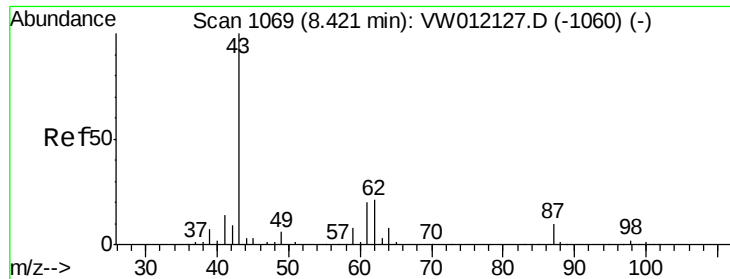
#42
1,2-Dichloroethane
Concen: 2.552 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion:	62	Resp:	19
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: 23.098 ug/l

RT: 8.41 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

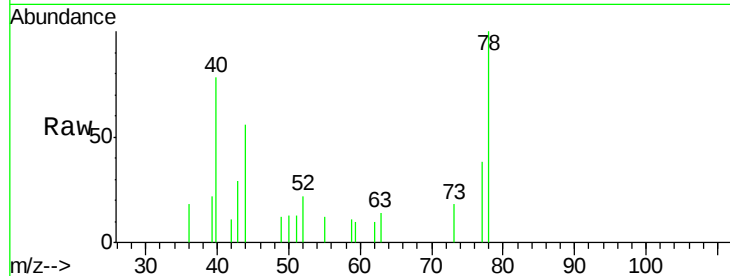
Tot Ion: 43 Resp: 204

Ion Ratio Lower Upper

43 100

61 10.8 21.1 31.7#

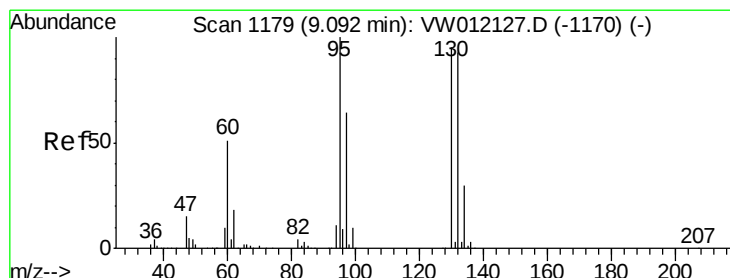
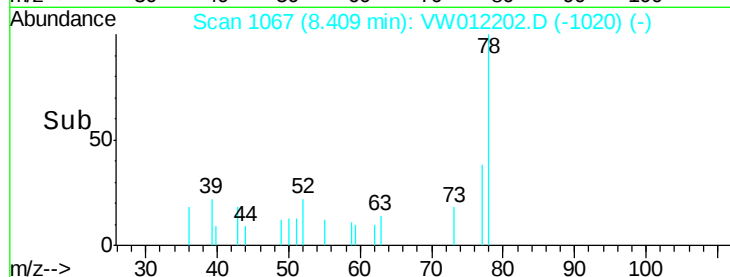
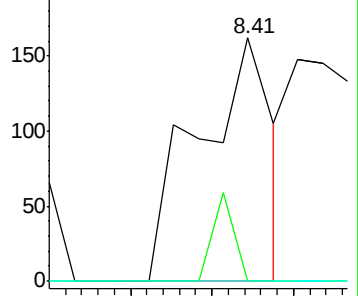
87 0.0 8.2 12.2#



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: 90.032 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012202.D

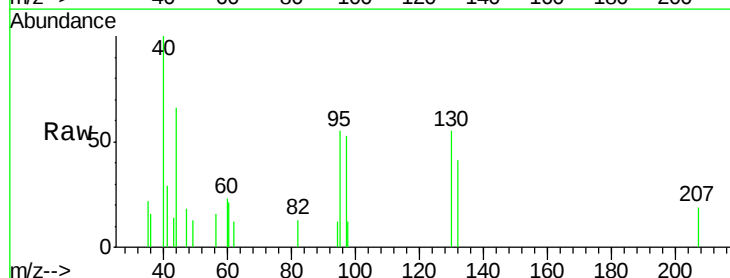
Acq: 27 Aug 2019 10:40

Tgt Ion: 130 Resp: 520

Ion Ratio Lower Upper

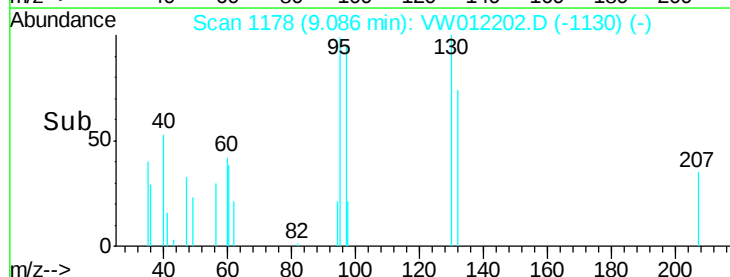
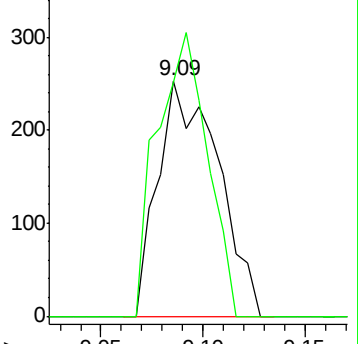
130 100

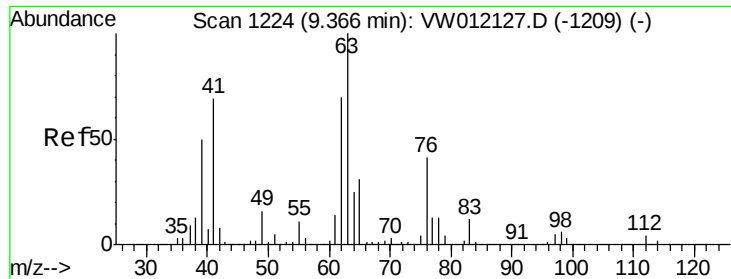
95 99.2 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

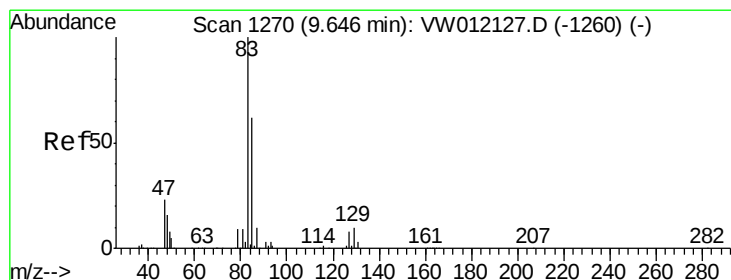
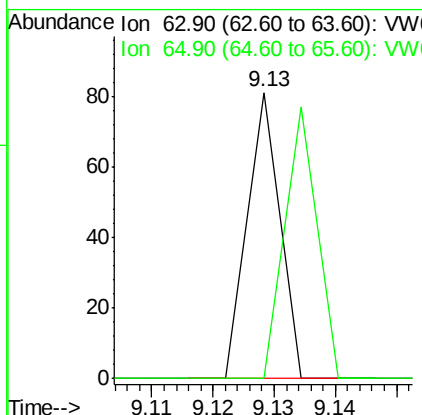
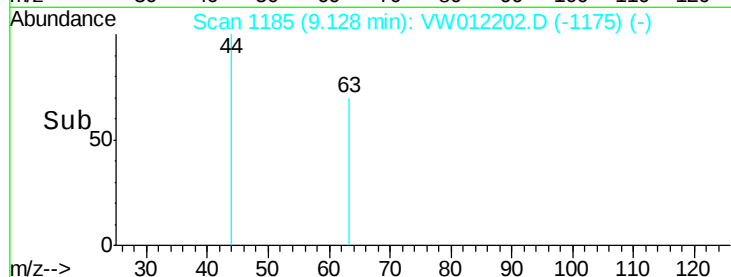
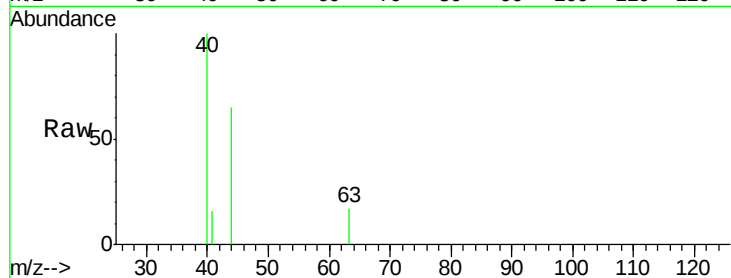




#45
 1,2-Dichloropropane
 Concen: 4.692 ug/l
 RT: 9.13 min Scan# 1185
 Delta R.T. -0.24 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

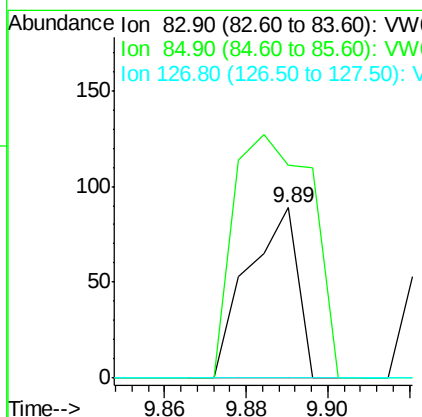
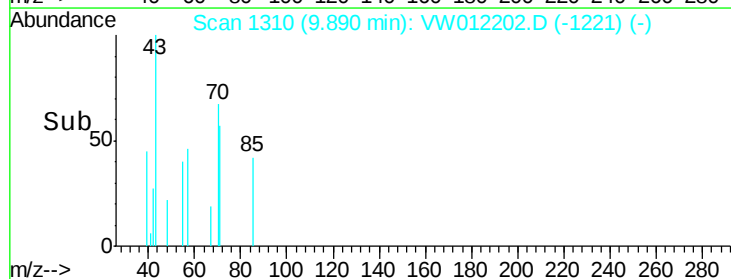
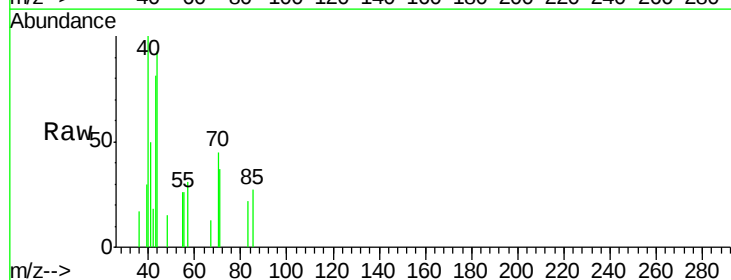
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MS

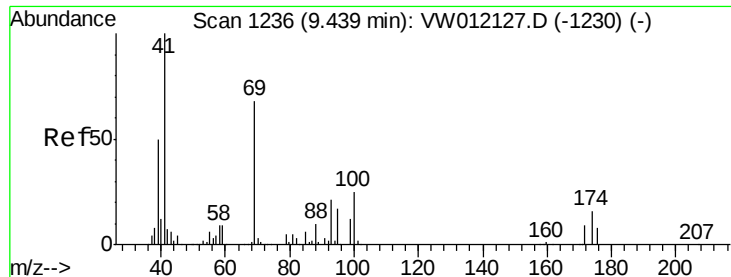
Tot Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#47
 Bromodichloromethane
 Concen: 10.037 ug/l
 RT: 9.89 min Scan# 1310
 Delta R.T. 0.24 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

Tgt Ion: 83 Resp: 76
 Ion Ratio Lower Upper
 83 100
 85 124.7 49.4 74.2#
 127 0.0 6.1 9.1#

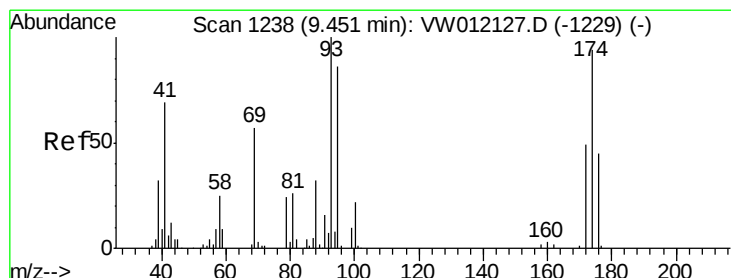
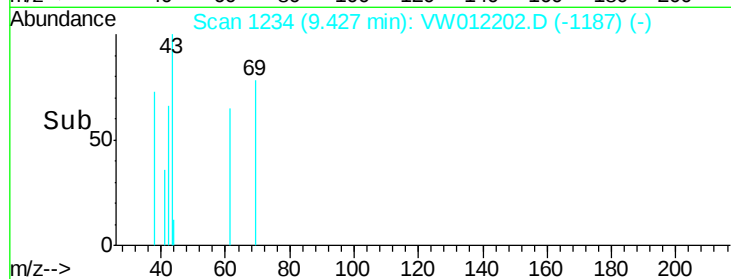
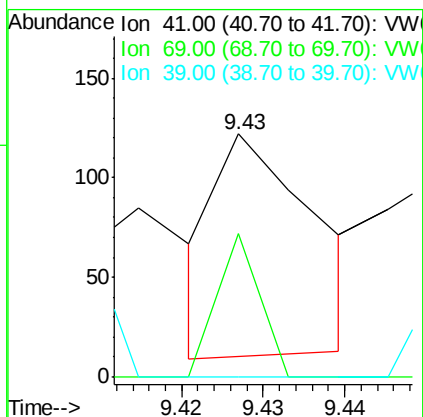
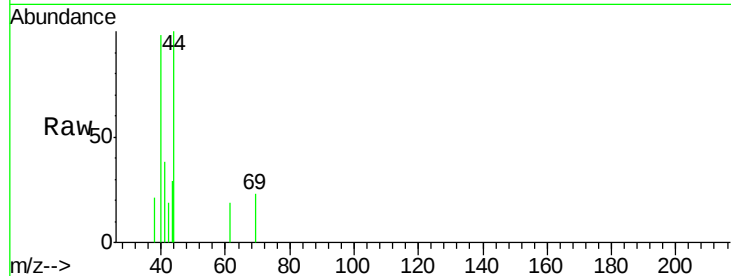




#48
Methvl methacrylate
Concen: 22.124 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

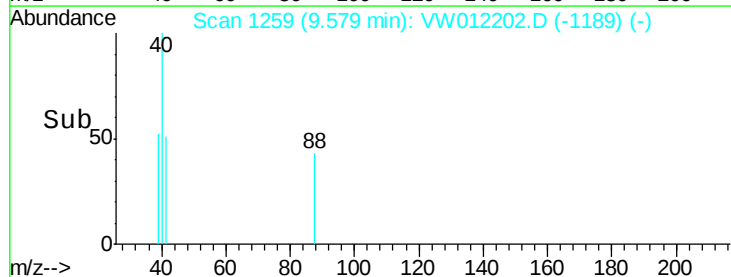
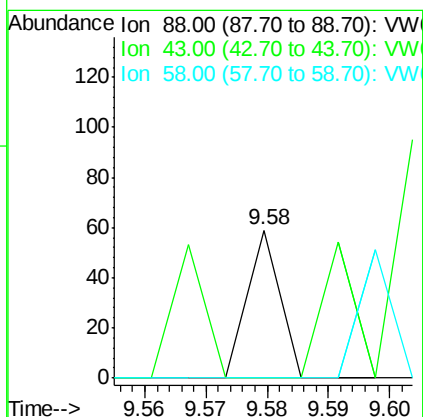
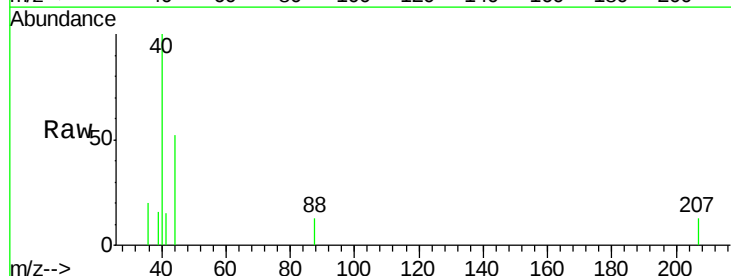
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

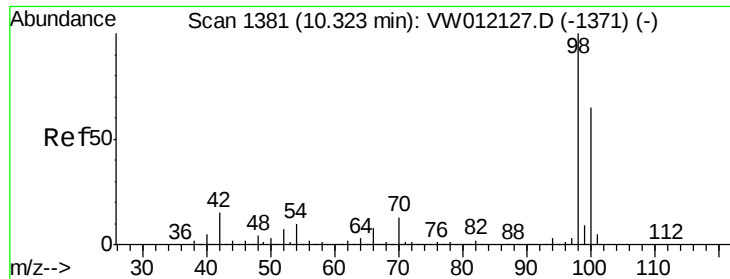
Tot Ion: 41 Resp: 93
Ion Ratio Lower Upper
41 100
69 28.0 56.7 85.1#
39 0.0 42.0 63.0#



#49
1,4-Dioxane
Concen: 505.125 ug/l
RT: 9.58 min Scan# 1259
Delta R.T. 0.13 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 86.4 32.9 49.3#
58 0.0 71.0 106.4#





#50

Toluene-d8

Concen: 45.685 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

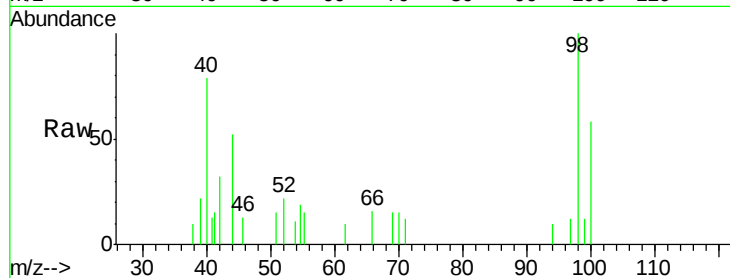
S602-M-1.0-1.5-082319MS

Tot Ion: 98 Resp: 931

Ion Ratio Lower Upper

98 100

100 73.6 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

500

400

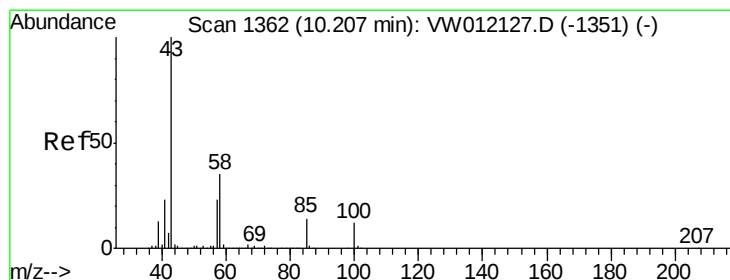
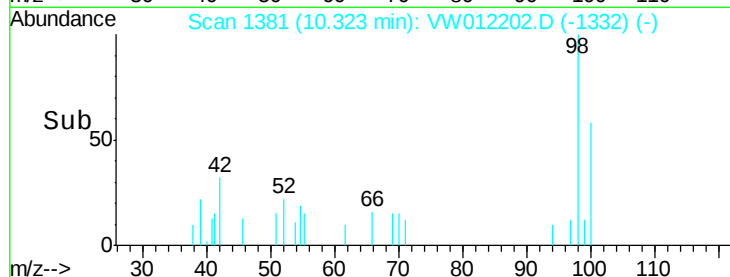
300

200

100

0

Time--> 10.25 10.30 10.35



#51

4-Methyl-2-Pentanone

Concen: 88.375 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012202.D

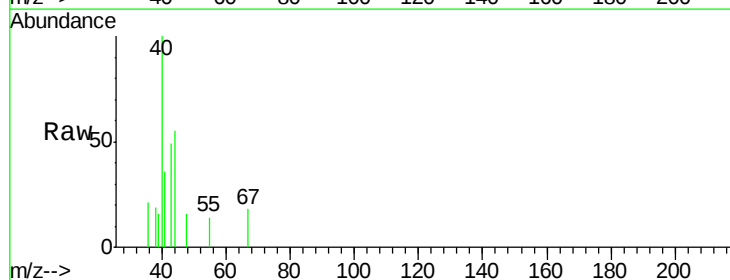
Acq: 27 Aug 2019 10:40

Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

58 0.0 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

200

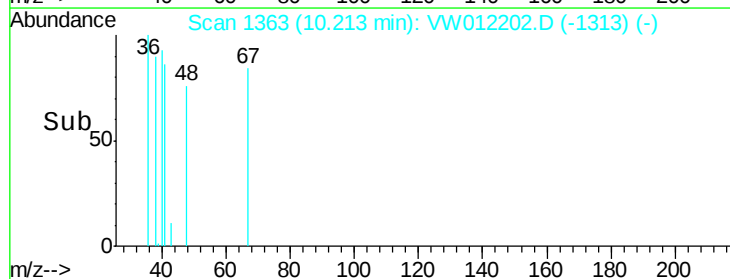
150

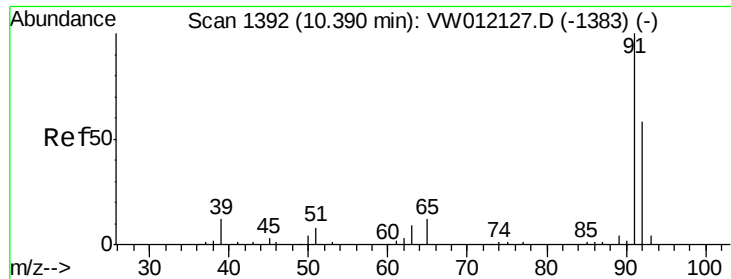
100

50

0

Time--> 10.15 10.20





#52

Toluene

Concen: 1312.542 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

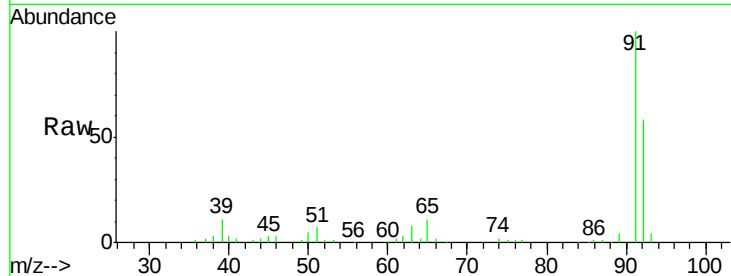
S602-M-1.0-1.5-082319MS

Tot Ion: 92 Resp: 18734

Ion Ratio Lower Upper

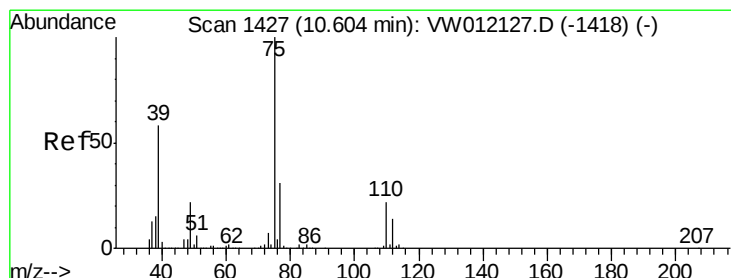
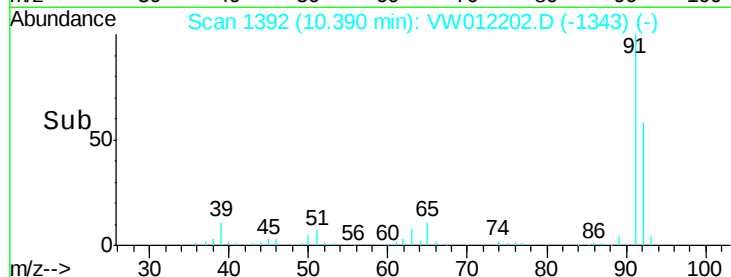
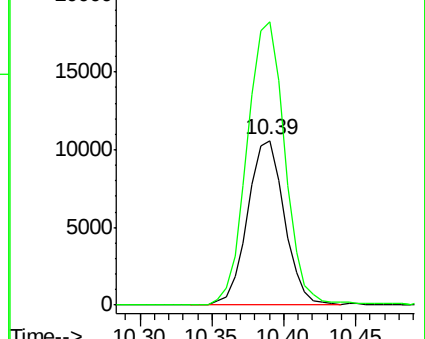
92 100

91 176.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 5.186 ug/l

RT: 10.60 min Scan# 1426

Delta R.T. -0.01 min

Lab File: VW012202.D

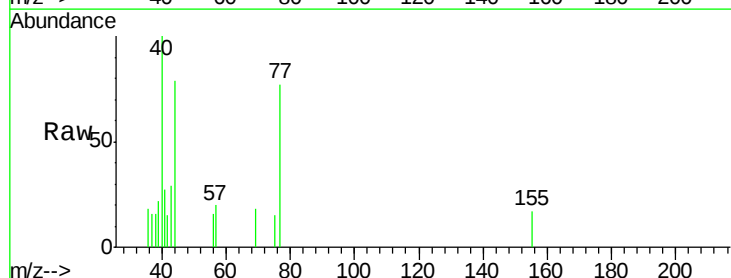
Acq: 27 Aug 2019 10:40

Tgt Ion: 75 Resp: 40

Ion Ratio Lower Upper

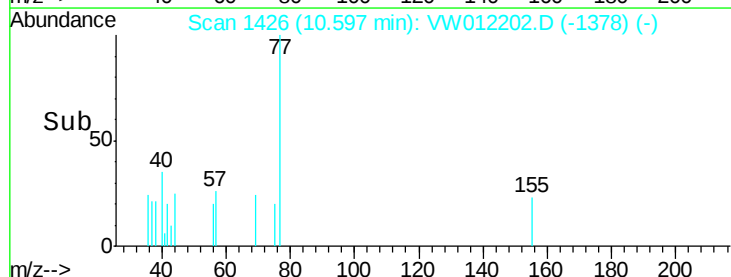
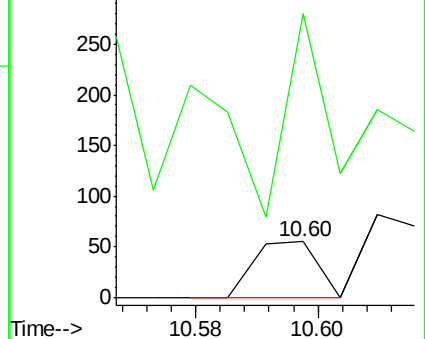
75 100

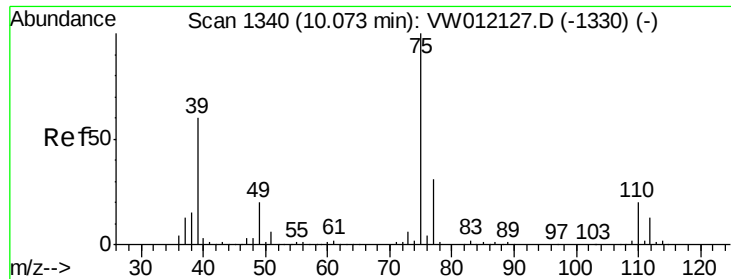
77 287.3 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#54

cis-1,3-Dichloropropene

Concen: 2.362 ug/l

RT: 10.23 min Scan# 1366

Delta R.T. 0.16 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

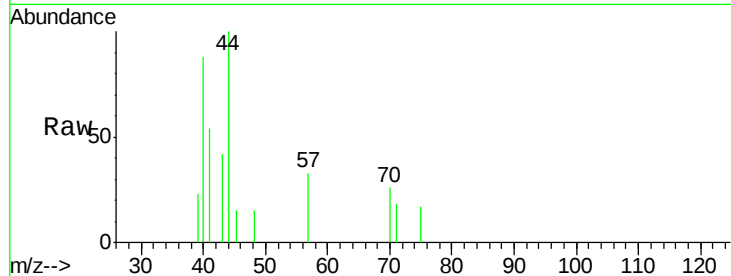
Tot Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

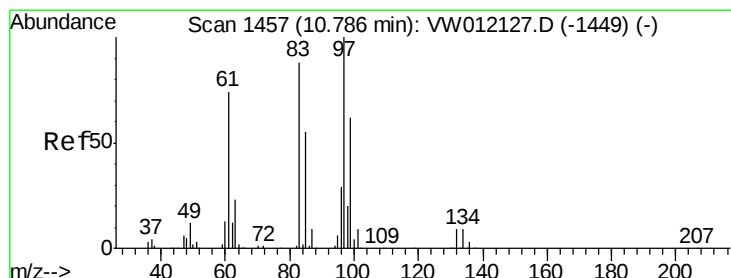
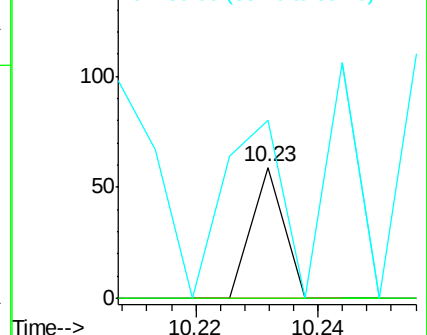
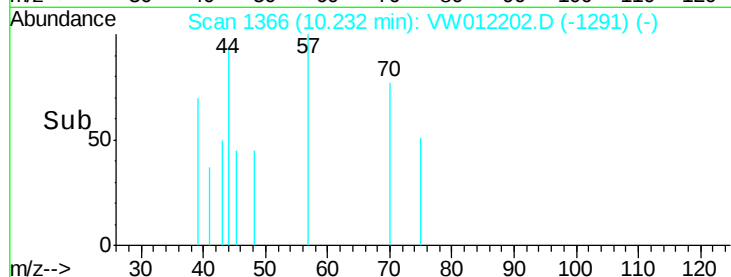
39 135.6 48.3 72.5#



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: 15.403 ug/l

RT: 10.77 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Tgt Ion: 97 Resp: 62

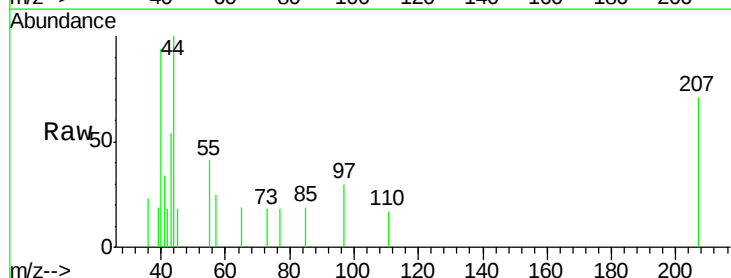
Ion Ratio Lower Upper

97 100

83 0.0 70.8 106.2#

85 63.1 43.8 65.8

99 0.0 49.8 74.6#

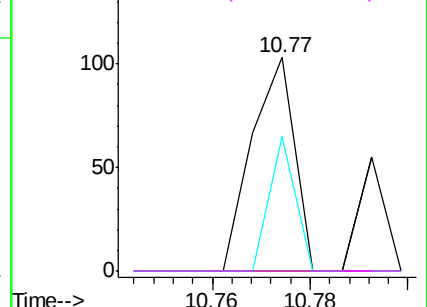
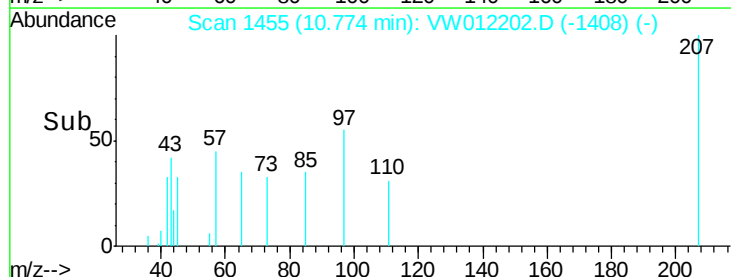


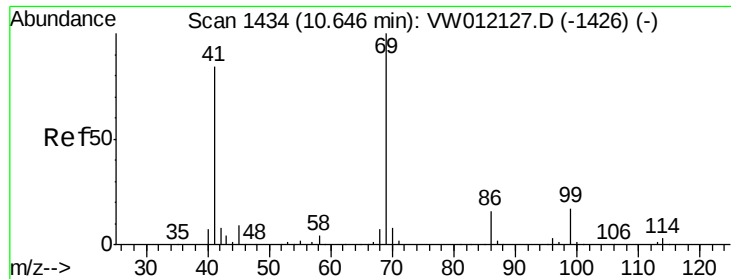
Abundance Ion 96.90 (96.60 to 97.60): VW

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: 15.021 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

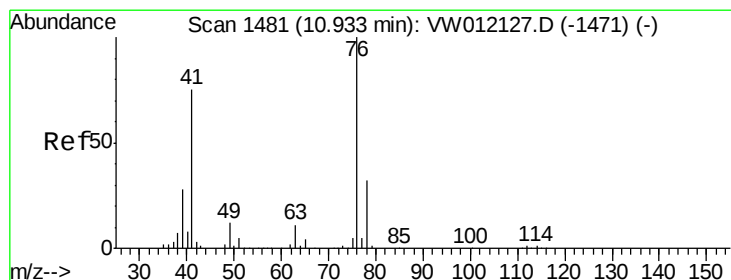
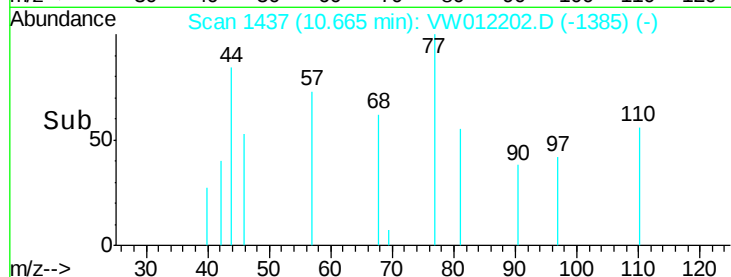
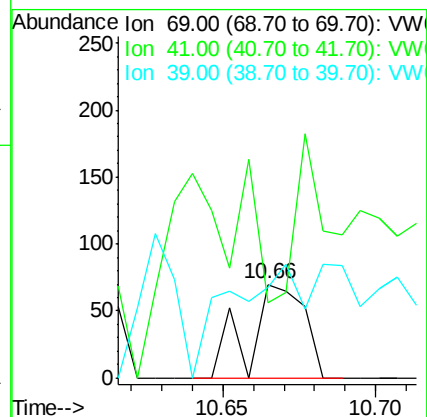
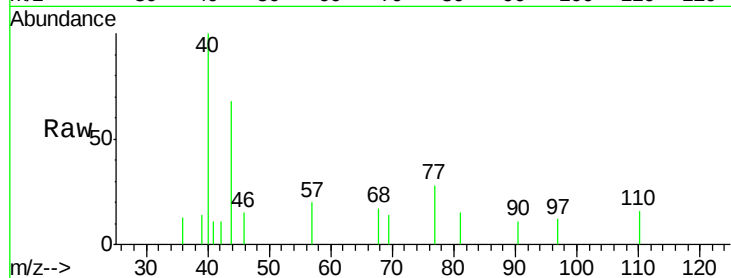
Tot Ion: 69 Resp: 88

Ion Ratio Lower Upper

69 100

41 98.9 66.5 99.7

39 160.2 31.0 46.4#



#57

1,3-Dichloropropane

Concen: 8.282 ug/l

RT: 10.94 min Scan# 1483

Delta R.T. 0.01 min

Lab File: VW012202.D

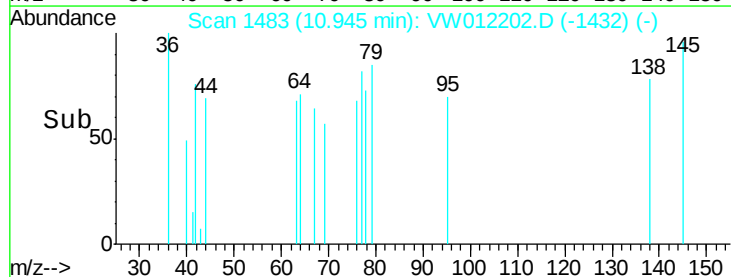
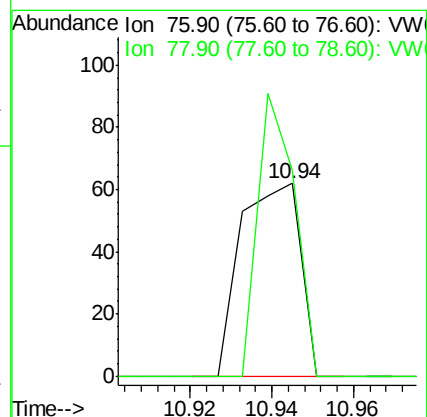
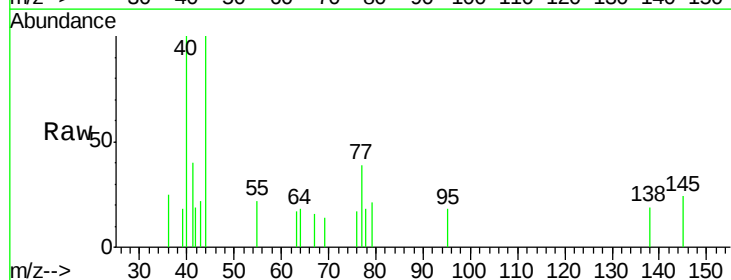
Acq: 27 Aug 2019 10:40

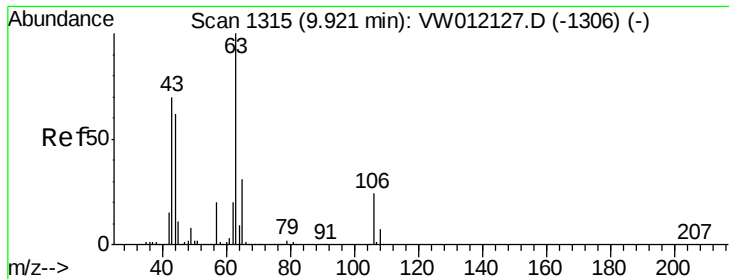
Tgt Ion: 76 Resp: 63

Ion Ratio Lower Upper

76 100

78 90.5 25.8 38.8#

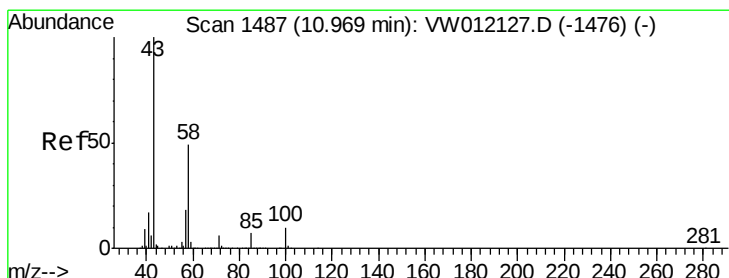
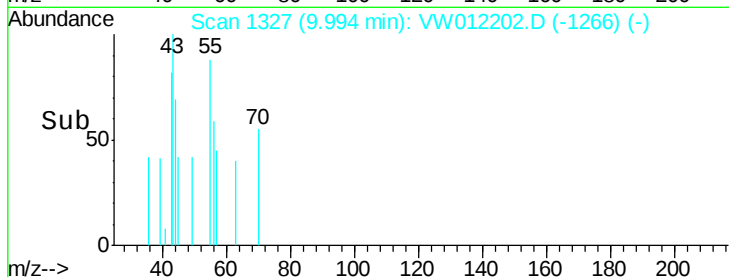
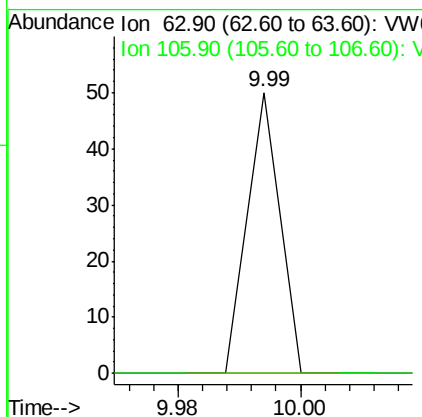
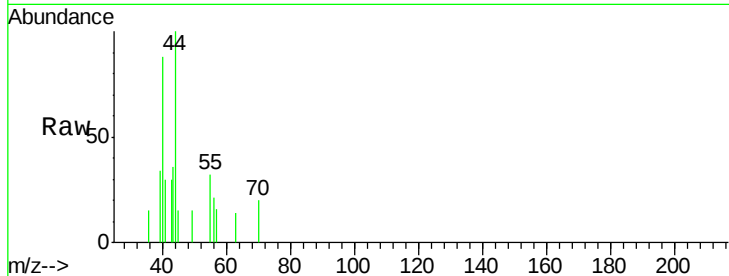




#58
 2-Chloroethyl Vinyl ether
 Concen: 5.987 ug/l
 RT: 9.99 min Scan# 1327
 Delta R.T. 0.07 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

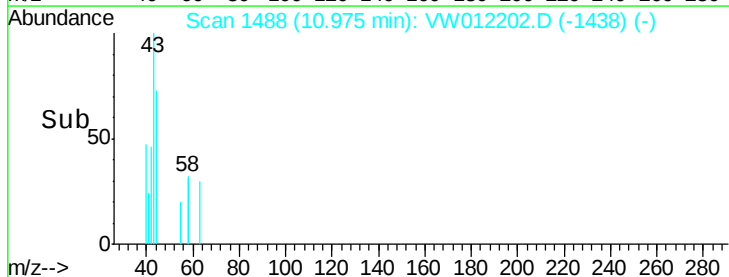
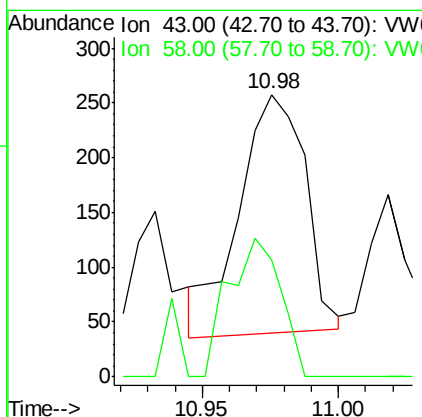
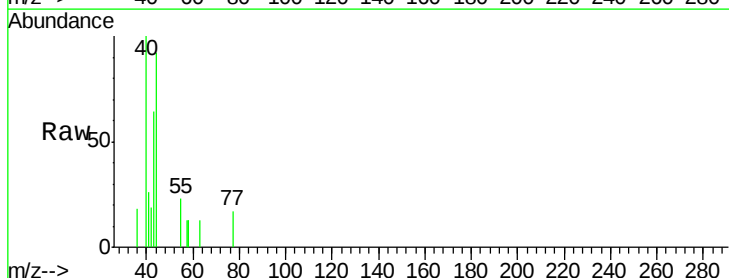
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MS

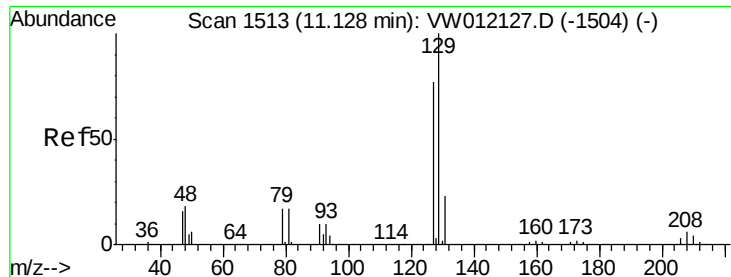
Tot Ion: 63 Resp: 18
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.8 29.8#



#59
 2-Hexanone
 Concen: 116.406 ug/l
 RT: 10.98 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

Tgt Ion: 43 Resp: 370
 Ion Ratio Lower Upper
 43 100
 58 45.4 24.3 72.9

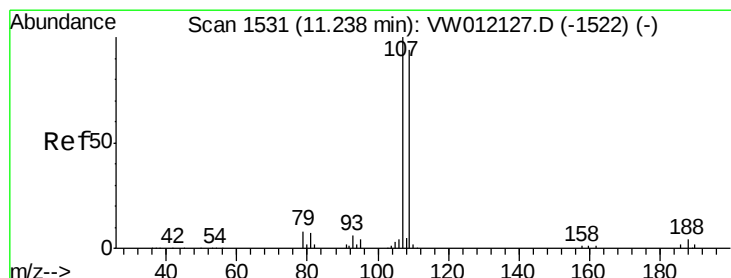
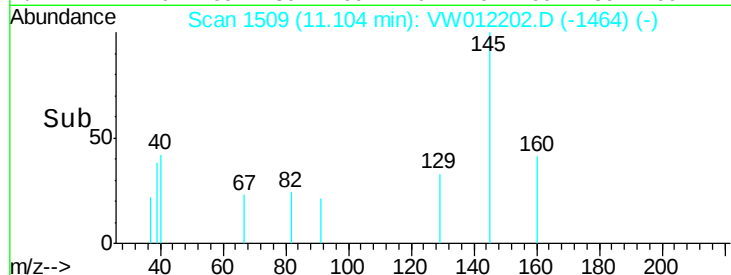
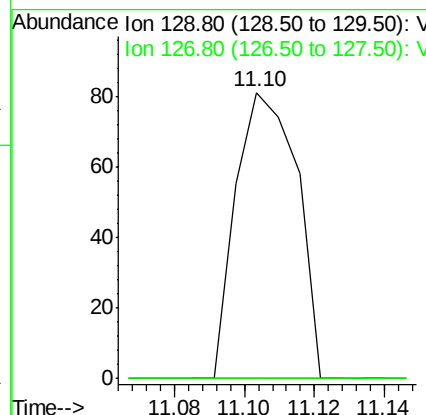
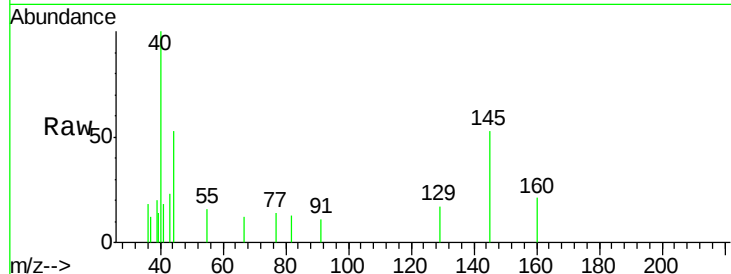




#60
 Dibromochloromethane
 Concen: 21.858 ug/l
 RT: 11.10 min Scan# 1509
 Delta R.T. -0.02 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

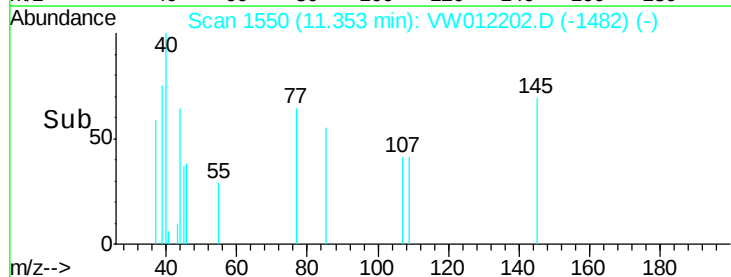
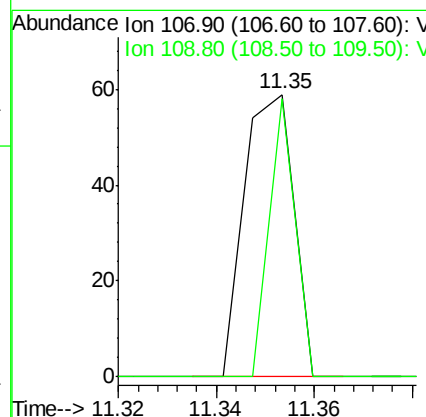
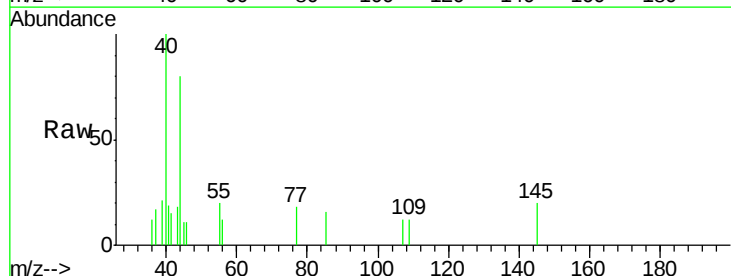
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MS

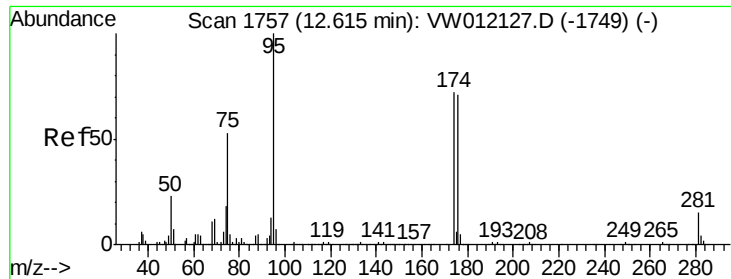
Tot Ion:129 Resp: 98
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#



#61
 1,2-Dibromoethane
 Concen: 10.933 ug/l
 RT: 11.35 min Scan# 1550
 Delta R.T. 0.12 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

Tgt Ion:107 Resp: 41
 Ion Ratio Lower Upper
 107 100
 109 51.2 75.4 113.2#

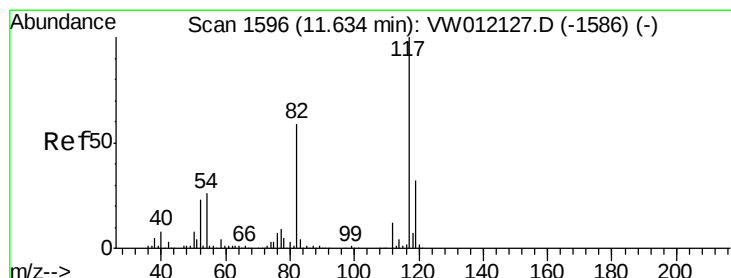
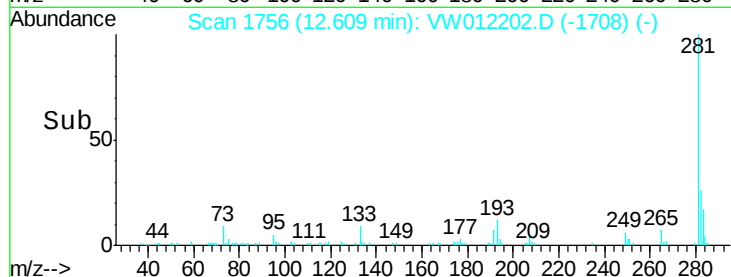
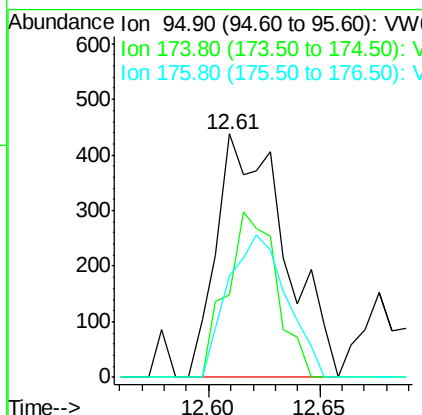
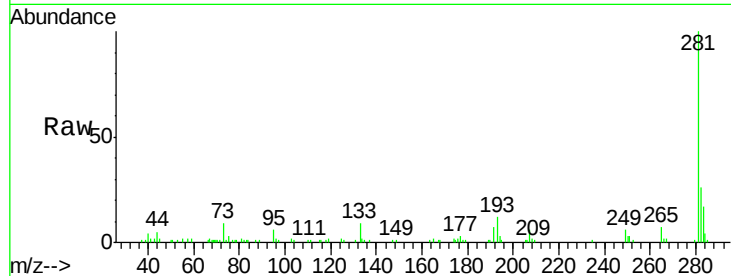




#62
4-Bromofluorobenzene
Concen: 129.325 ug/l
RT: 12.61 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

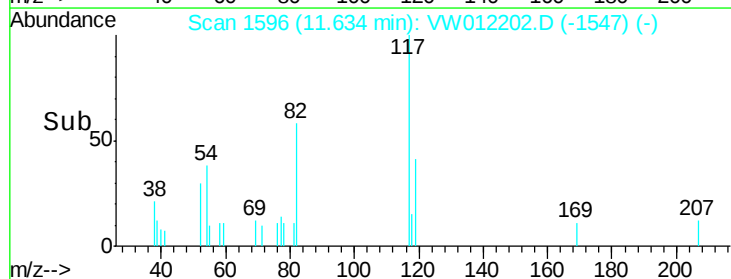
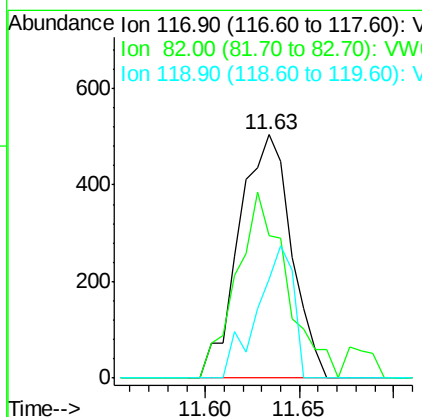
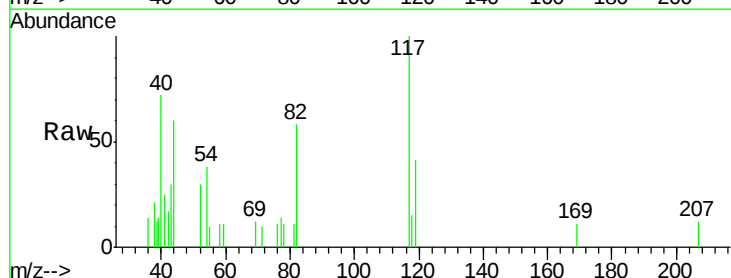
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

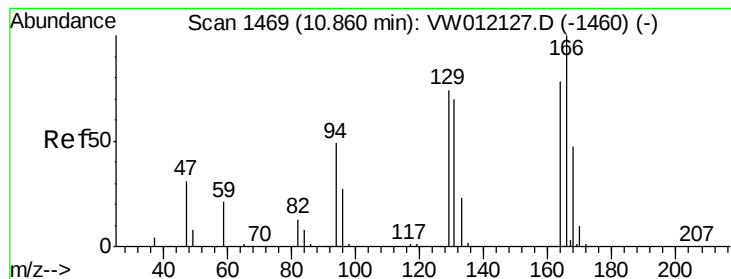
Tot Ion	Ratio	Lower	Upper
95	100		
174	49.8	0.0	150.8
176	50.6	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.4	71.2
119	40.7	25.4	38.2





#64

Tetrachloroethene

Concen: 41.068 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

Tot Ion:164 Resp: 258

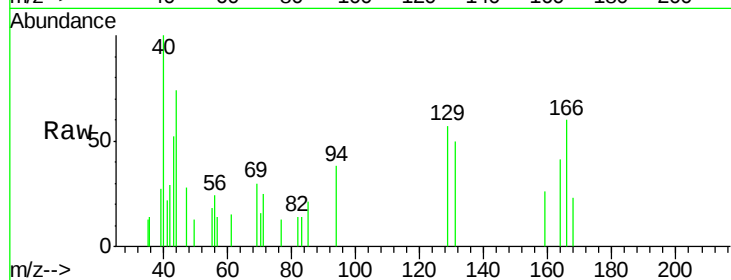
Ion Ratio Lower Upper

164 100

166 146.5 102.4 153.6

129 138.7 75.8 113.6#

131 123.2 71.4 107.2#



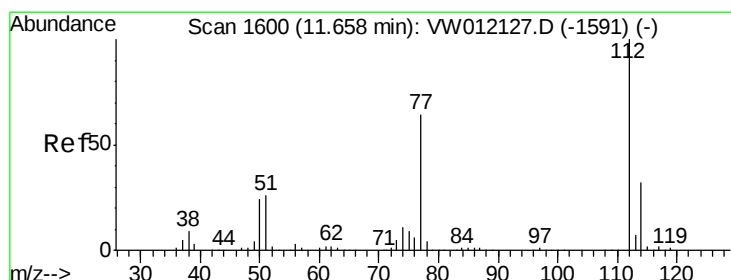
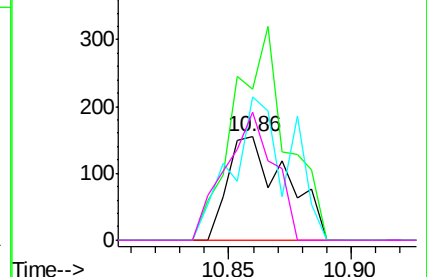
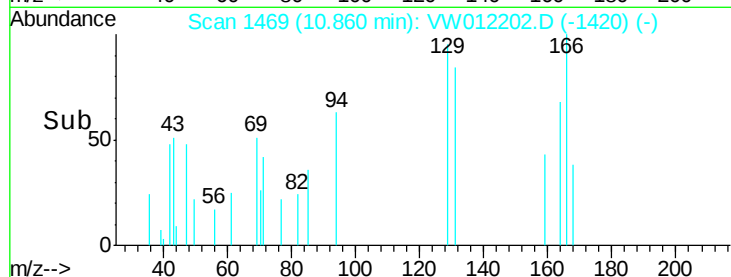
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



#65

Chlorobenzene

Concen: 13.574 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012202.D

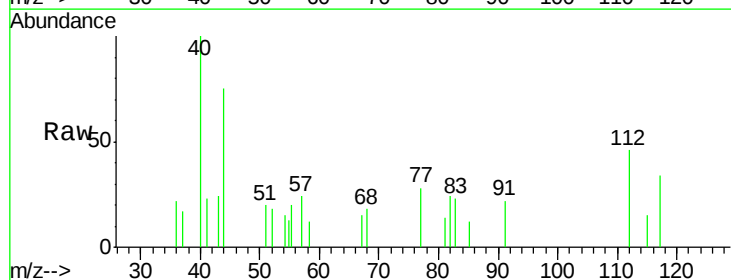
Acq: 27 Aug 2019 10:40

Tgt Ion:112 Resp: 259

Ion Ratio Lower Upper

112 100

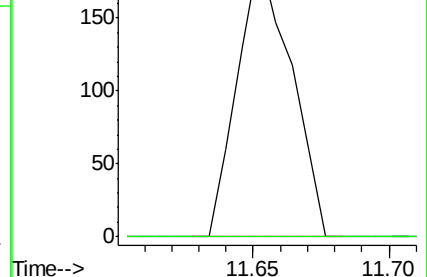
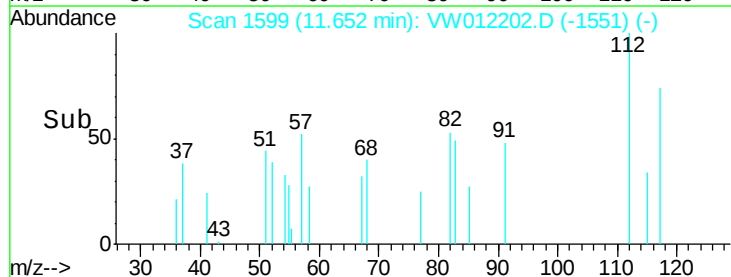
114 0.0 25.8 38.6#

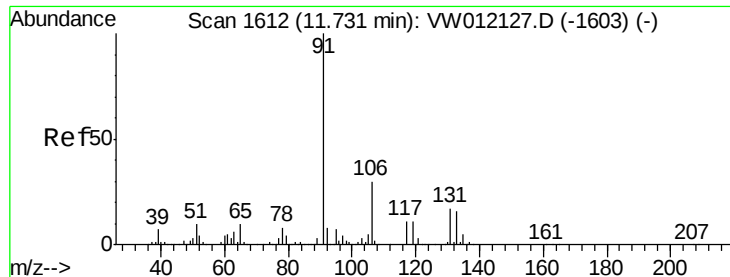


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->





#66

1,1,1,2-Tetrachloroethane

Concen: 4.206 ug/l

RT: 11.59 min Scan# 1588

Delta R.T. -0.15 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

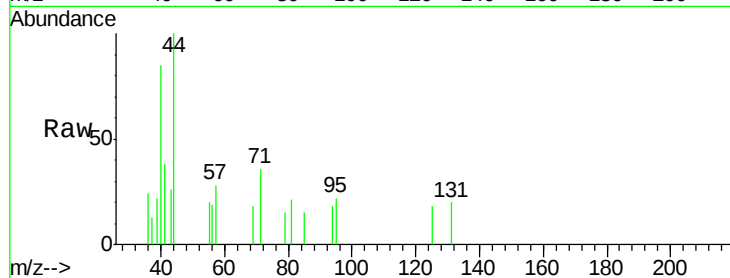
Tot Ion:131 Resp: 28

Ion Ratio Lower Upper

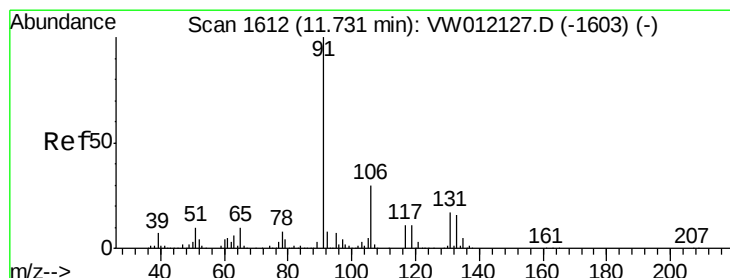
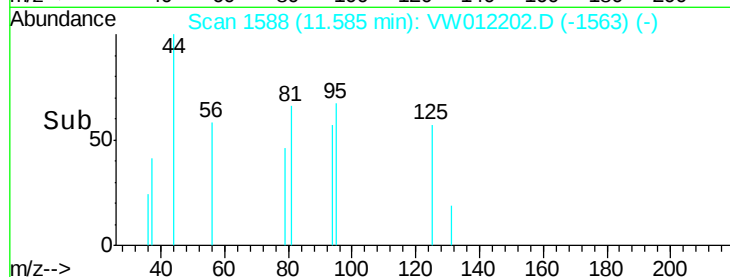
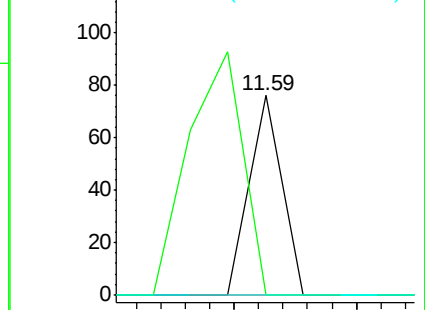
131 100

133 203.6 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: 33.546 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW012202.D

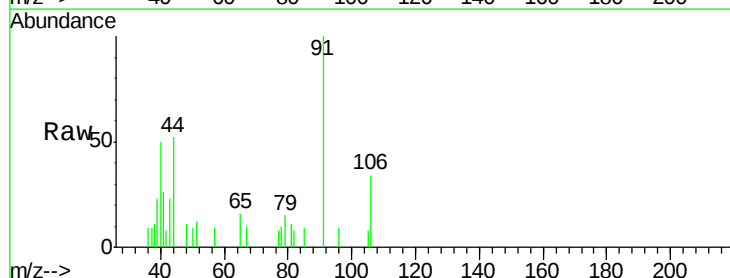
Acq: 27 Aug 2019 10:40

Tgt Ion: 91 Resp: 1233

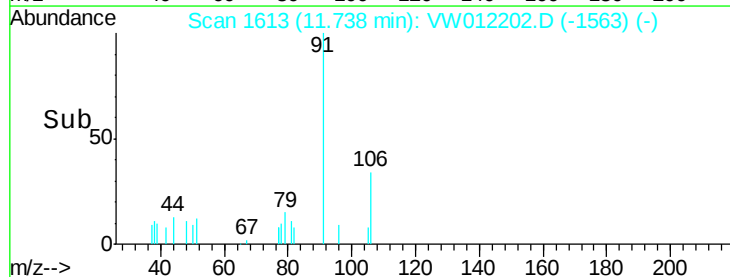
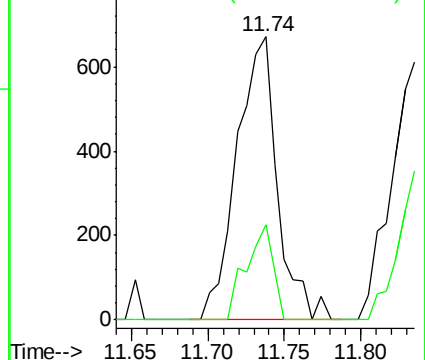
Ion Ratio Lower Upper

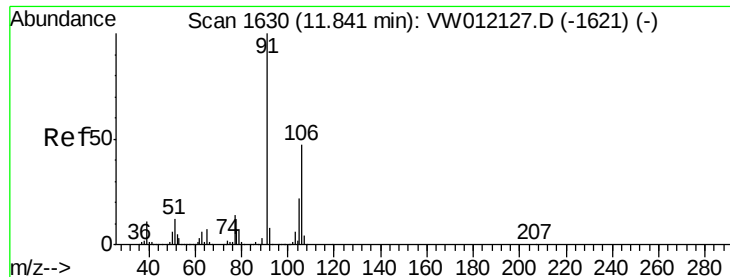
91 100

106 33.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

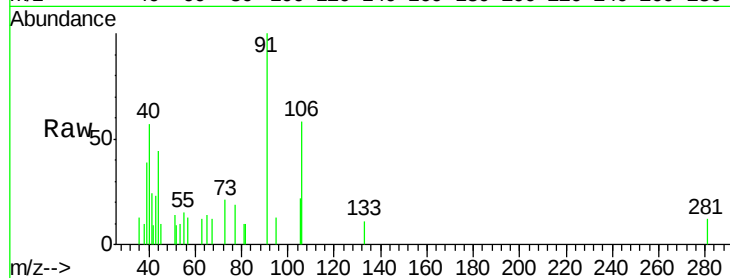




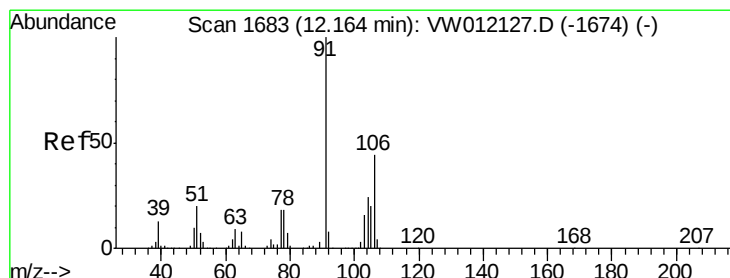
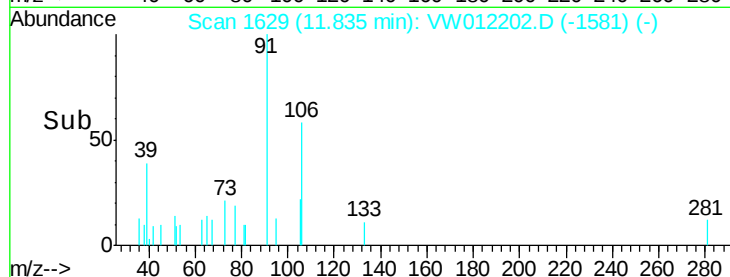
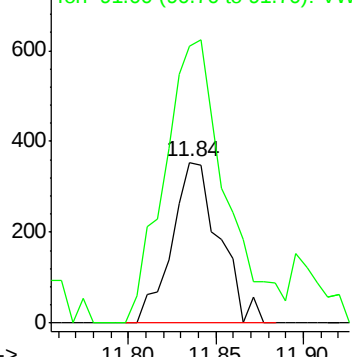
#68
m/p-Xylenes
Concen: 50.228 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

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

Tot Ion:106 Resp: 665
Ion Ratio Lower Upper
106 100
91 229.5 169.5 254.3

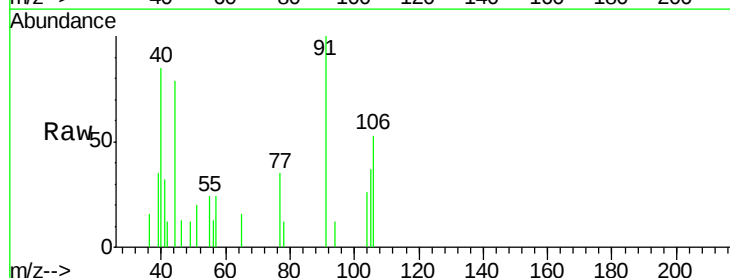


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

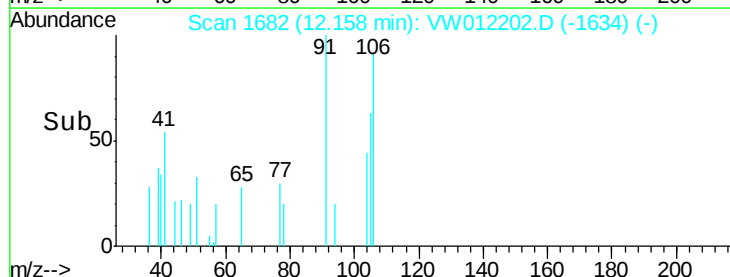
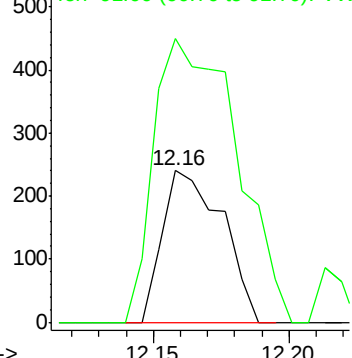


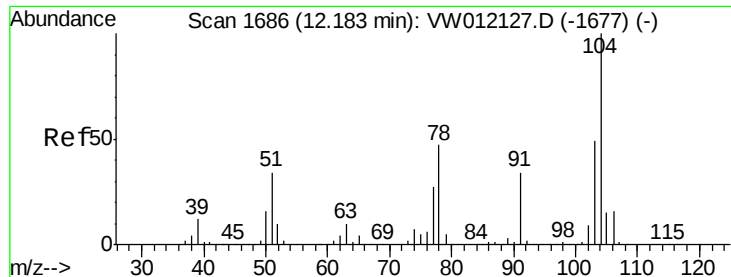
#69
o-Xylene
Concen: 29.868 ug/l
RT: 12.16 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion:106 Resp: 366
Ion Ratio Lower Upper
106 100
91 258.2 111.6 334.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

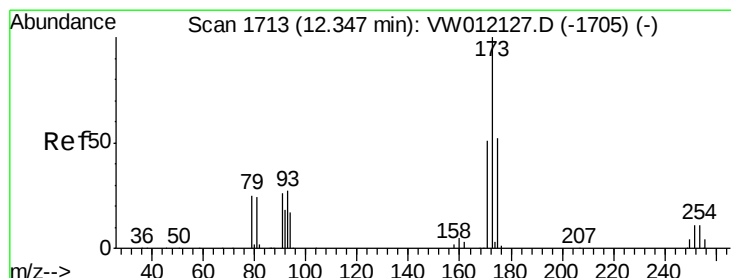
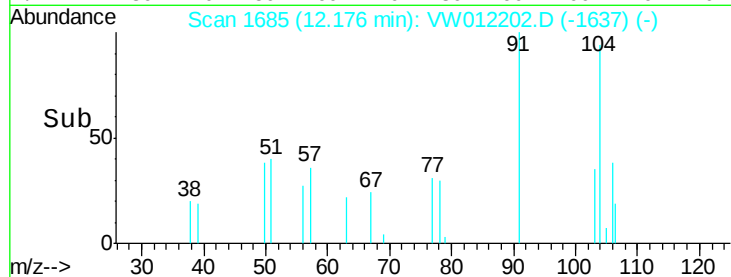
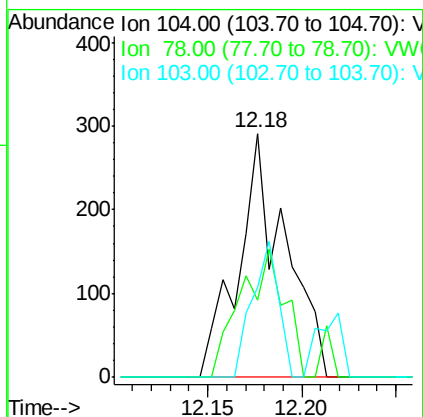
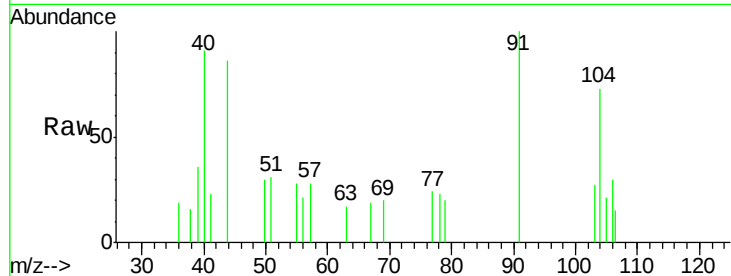




#70
Stvrene
Concen: 23.574 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

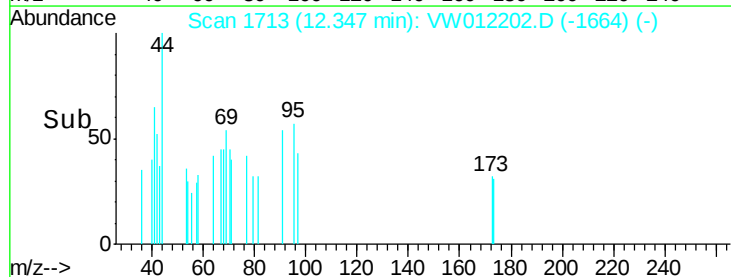
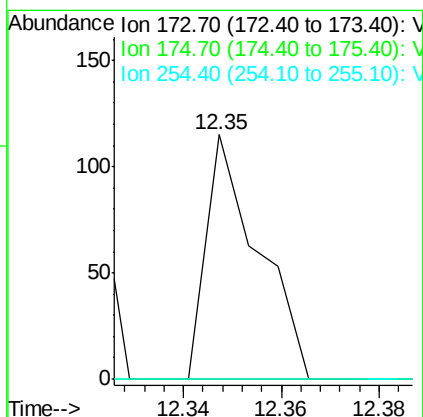
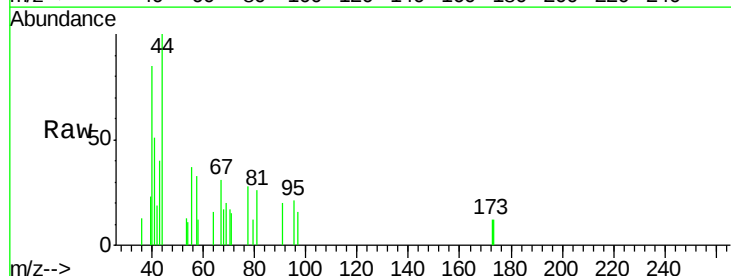
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

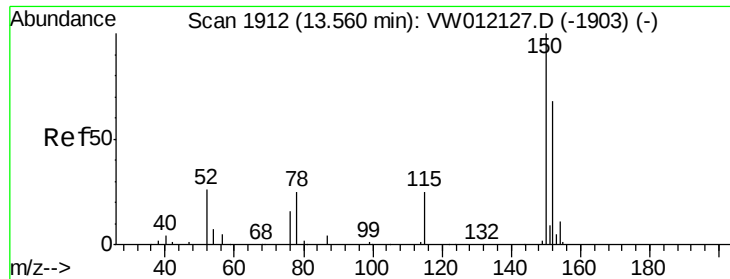
Tot Ion:104 Resp: 500
Ion Ratio Lower Upper
104 100
78 49.6 43.1 64.7
103 31.4 43.5 65.3#



#71
Bromoform
Concen: 25.329 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion:173 Resp: 84
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

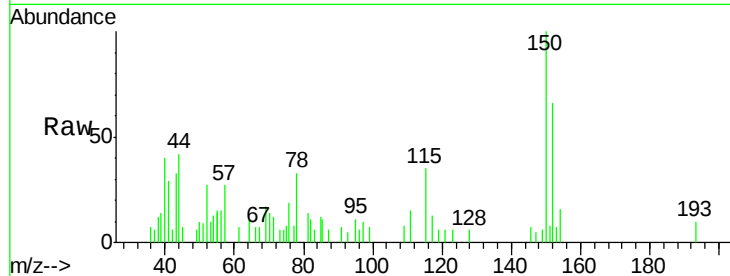
Tot Ion:152 Resp: 1126

Ion Ratio Lower Upper

152 100

115 55.7 30.1 90.3

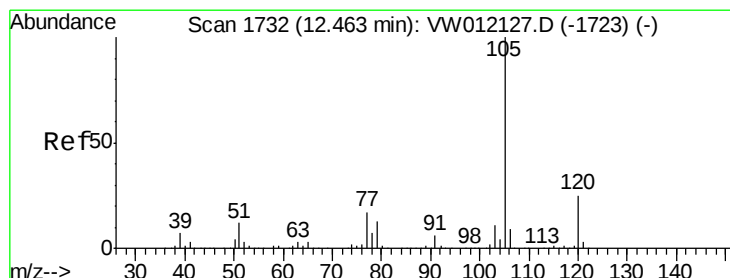
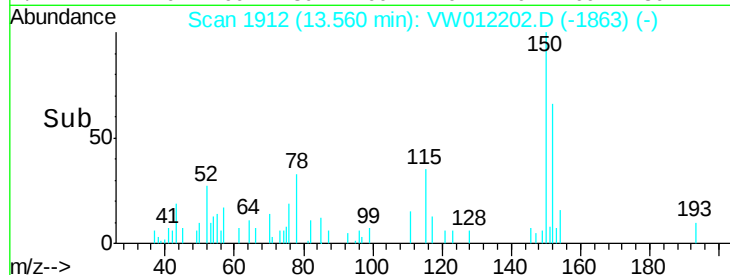
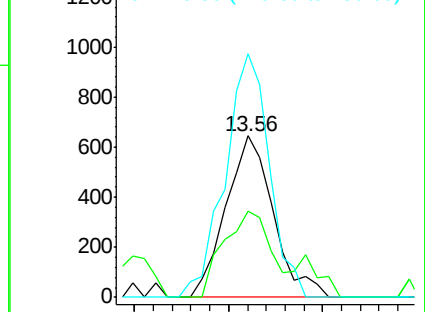
150 140.4 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 7.941 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012202.D

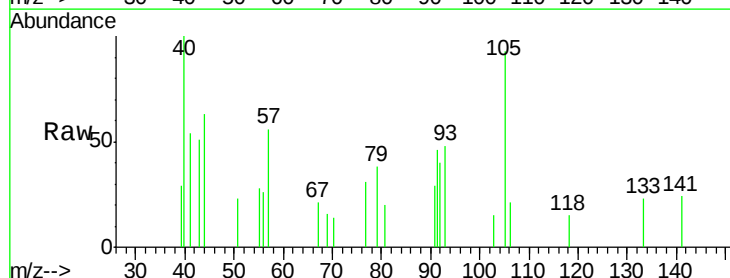
Acq: 27 Aug 2019 10:40

Tgt Ion:105 Resp: 670

Ion Ratio Lower Upper

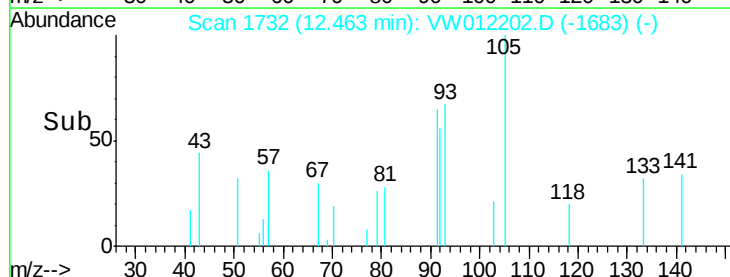
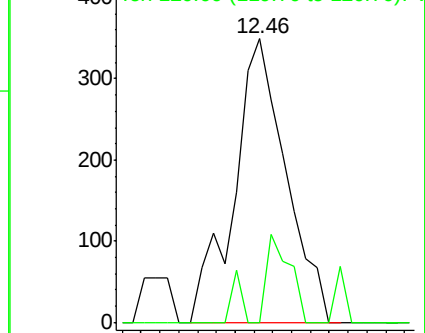
105 100

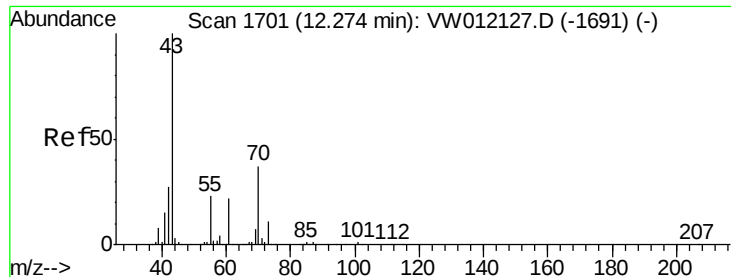
120 13.9 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 5.767 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

Tot Ion: 43 Resp: 147

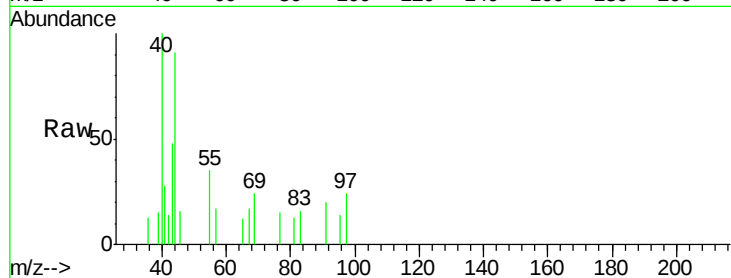
Ion Ratio Lower Upper

43 100

70 0.0 28.6 43.0#

55 26.5 17.8 26.6

61 0.0 17.3 25.9#

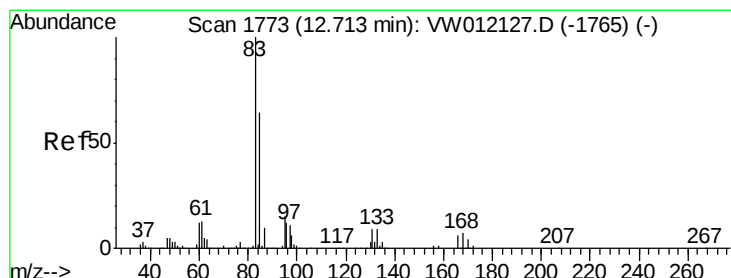
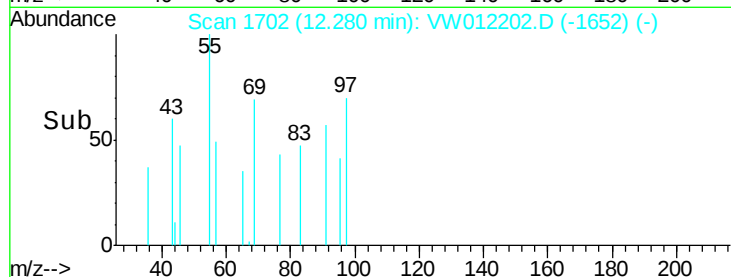
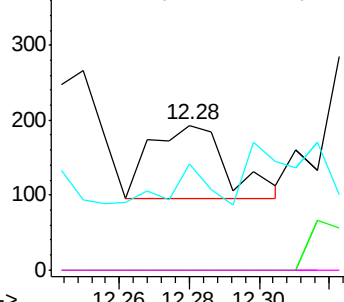


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 16.162 ug/l

RT: 12.73 min Scan# 1775

Delta R.T. 0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

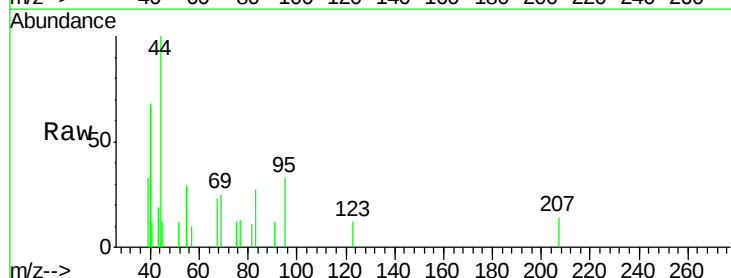
Tgt Ion: 83 Resp: 250

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

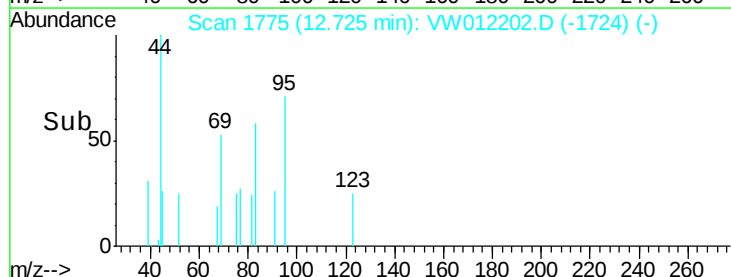
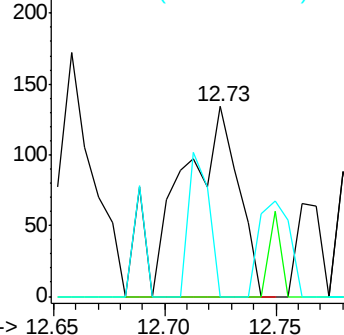
85 26.0 31.9 95.7#

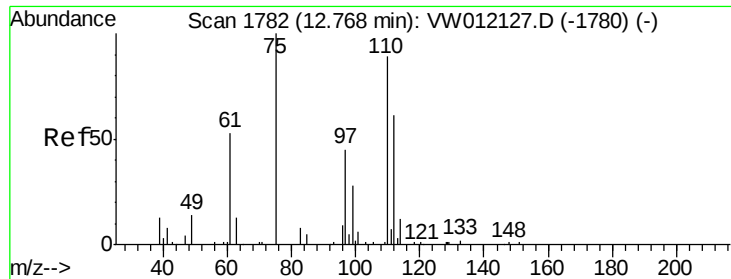


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

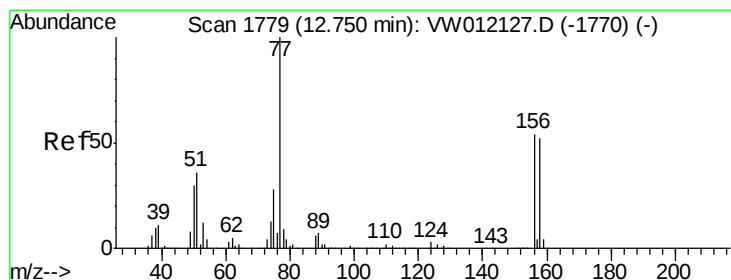
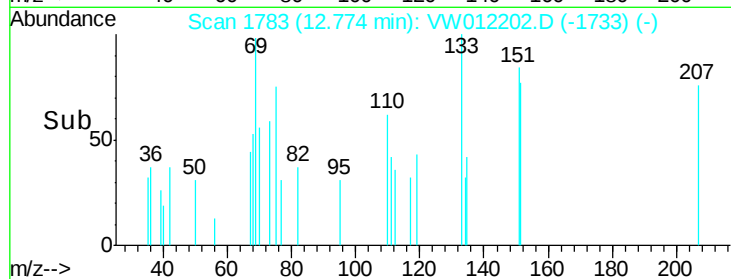
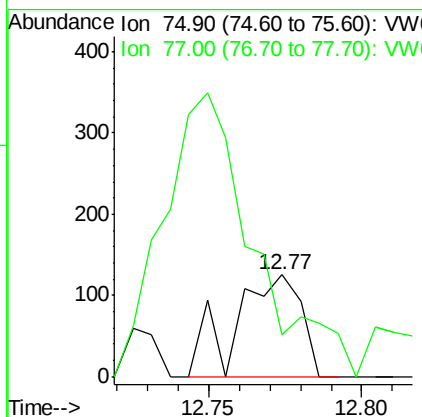
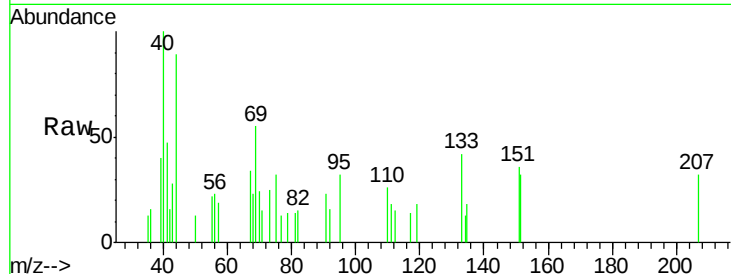




#76
 1,2,3-Trichloropropane
 Concen: 17.234 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

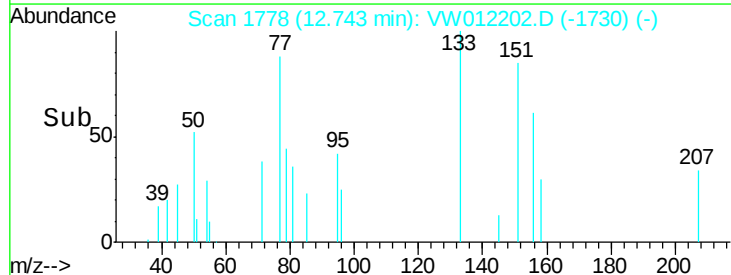
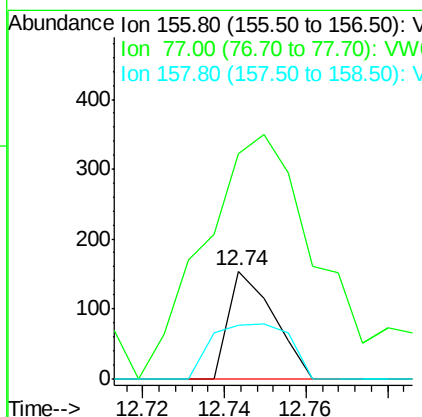
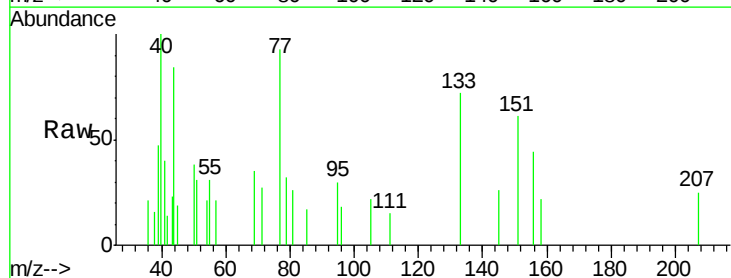
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MS

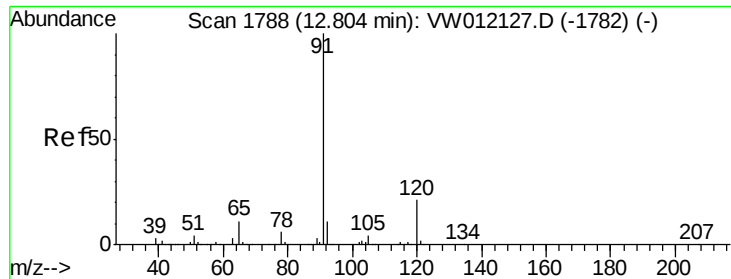
Tot Ion: 75 Resp: 189
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 6.465 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

Tgt Ion: 156 Resp: 118
 Ion Ratio Lower Upper
 156 100
 77 606.8 107.3 321.8#
 158 89.0 49.0 147.0

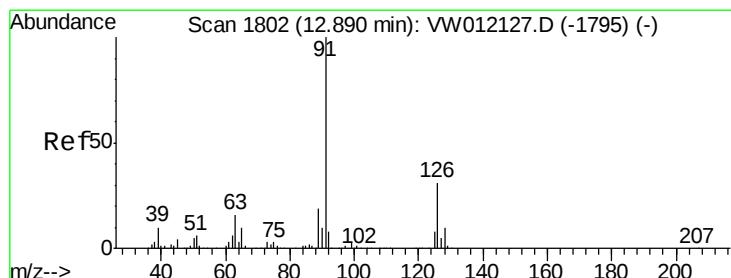
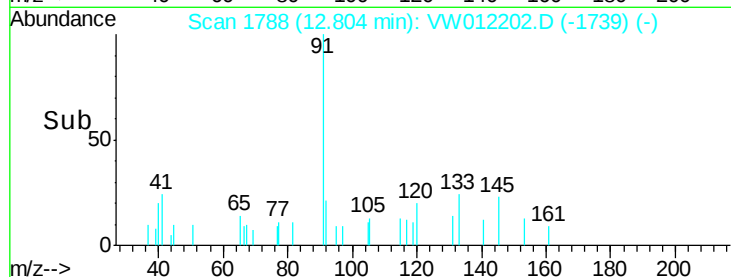
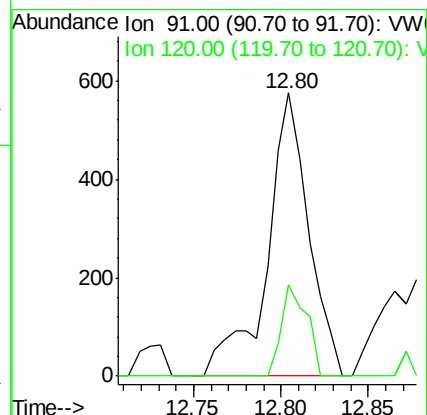
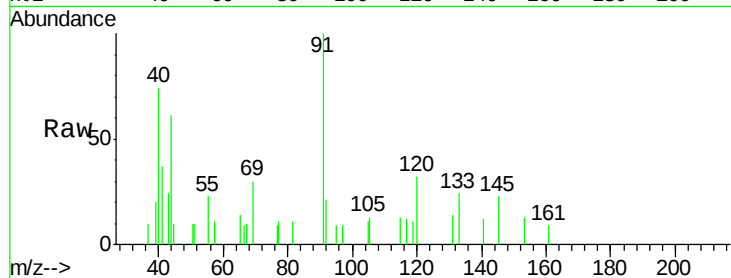




#78
n-propylbenzene
Concen: 9.262 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

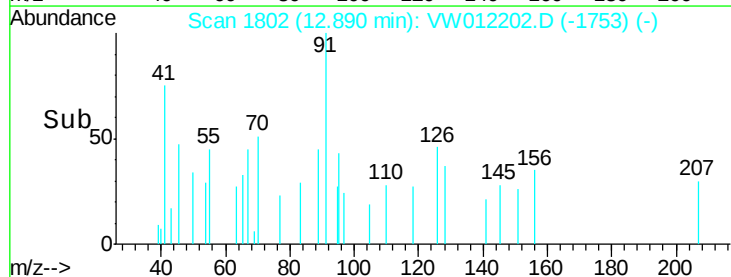
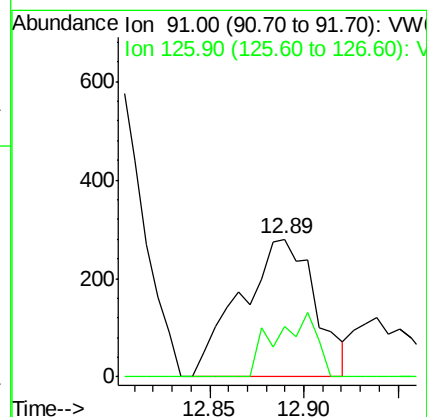
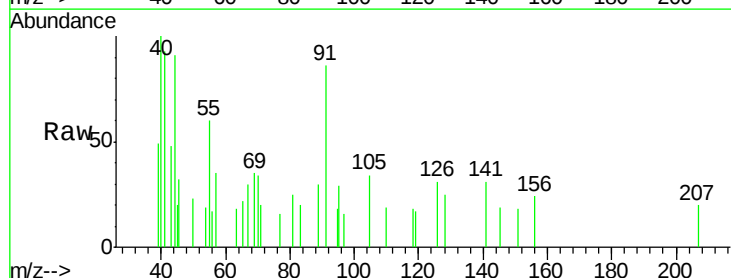
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

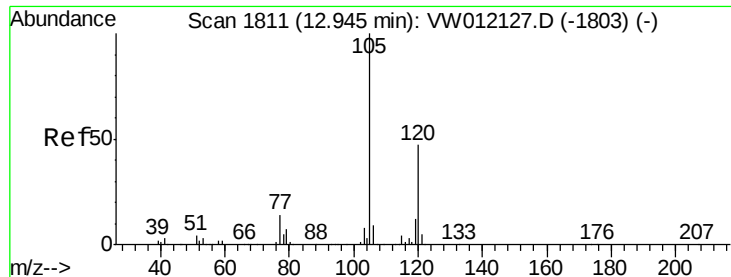
Tot Ion: 91 Resp: 954
Ion Ratio Lower Upper
91 100
120 19.6 10.5 31.6



#79
2-Chlorotoluene
Concen: 13.167 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion: 91 Resp: 770
Ion Ratio Lower Upper
91 100
126 26.2 15.7 47.0

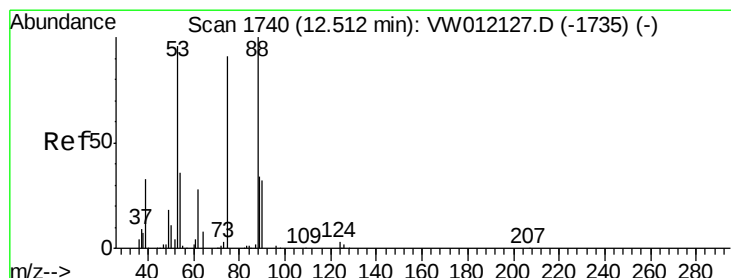
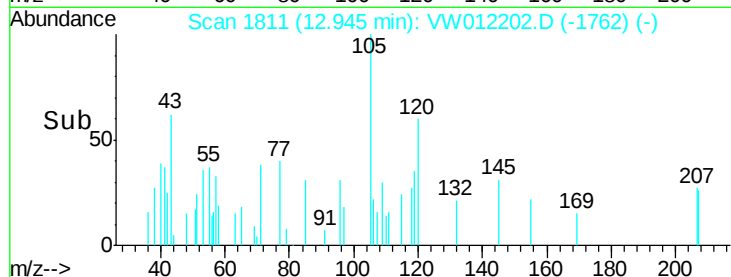
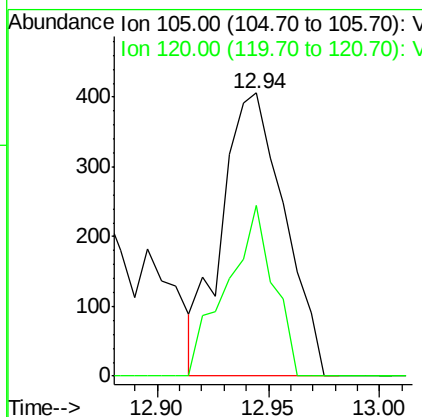
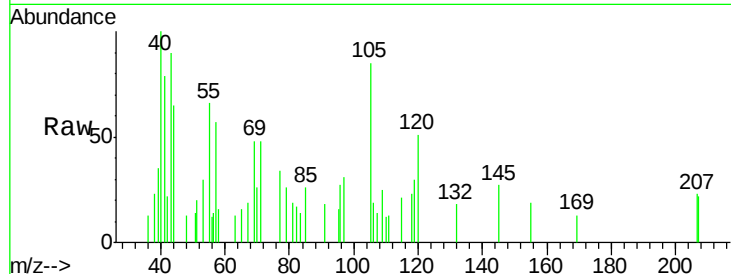




#80
 1,3,5-Trimethylbenzene
 Concen: 11.276 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

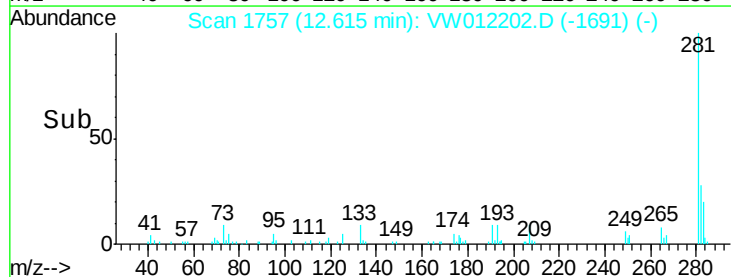
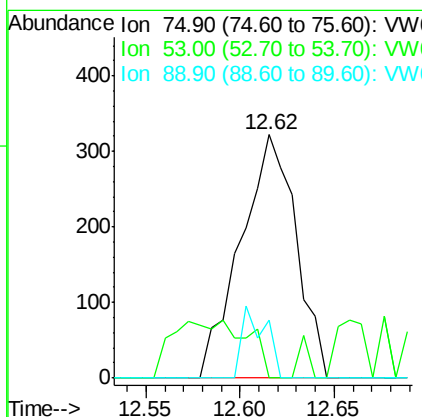
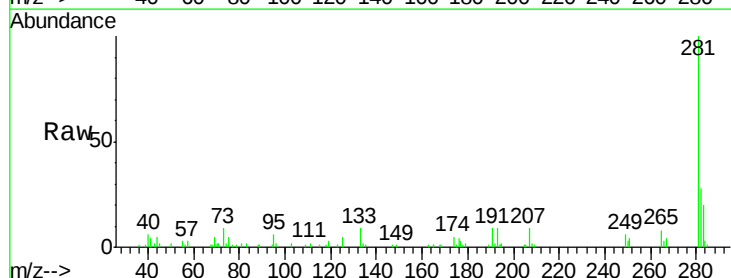
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MS

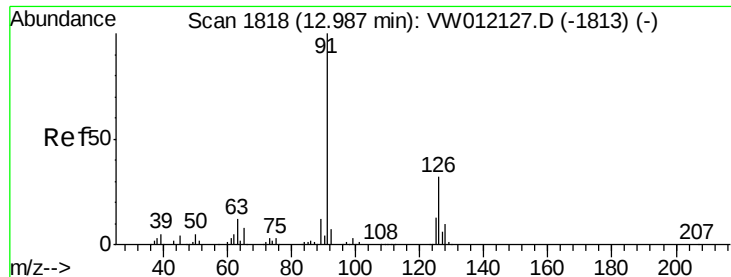
Tot Ion:105 Resp: 795
 Ion Ratio Lower Upper
 105 100
 120 45.2 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.755 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

Tgt Ion: 75 Resp: 654
 Ion Ratio Lower Upper
 75 100
 53 3.1 89.4 134.0#
 89 0.0 34.5 51.7#

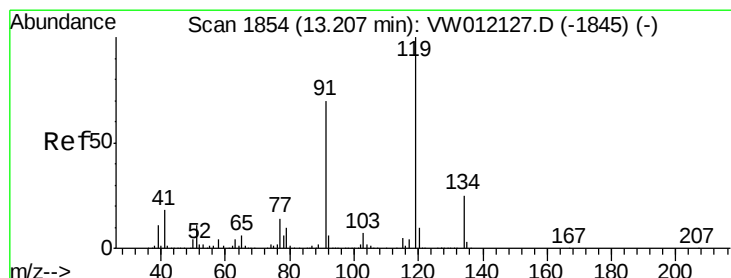
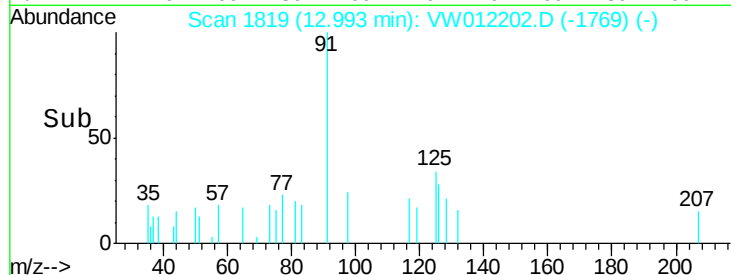
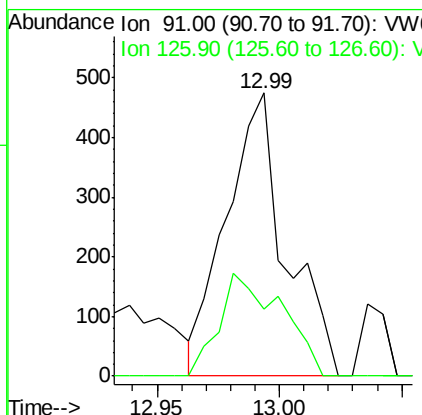
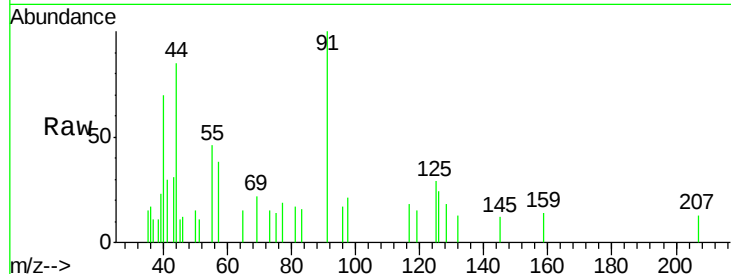




#82
4-Chlorotoluene
Concen: 13.147 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

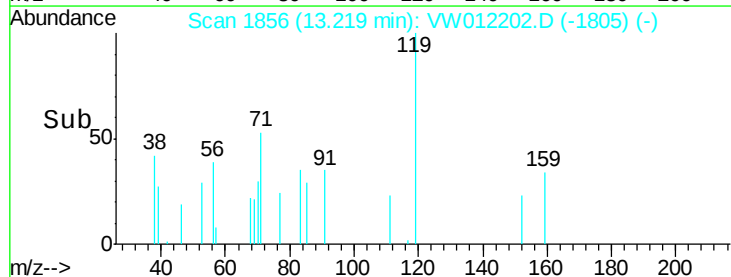
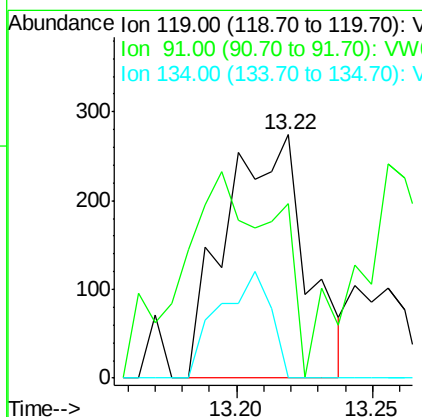
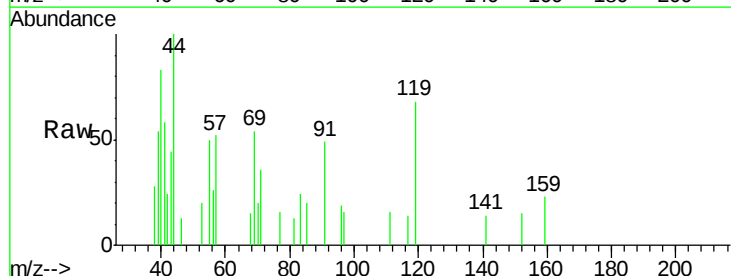
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MS

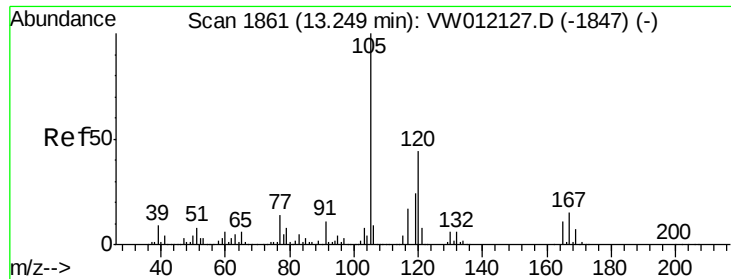
Tot Ion: 91 Resp: 805
Ion Ratio Lower Upper
91 100
126 38.0 15.6 46.8



#83
tert-Butylbenzene
Concen: 9.377 ug/l
RT: 13.22 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VW012202.D
Acq: 27 Aug 2019 10:40

Tgt Ion: 119 Resp: 560
Ion Ratio Lower Upper
119 100
91 0.0 34.8 104.3#
134 0.0 13.3 39.8#





#84

1,2,4-Trimethylbenzene

Concen: 17.933 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

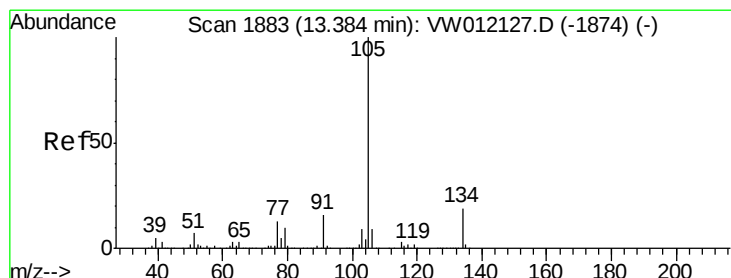
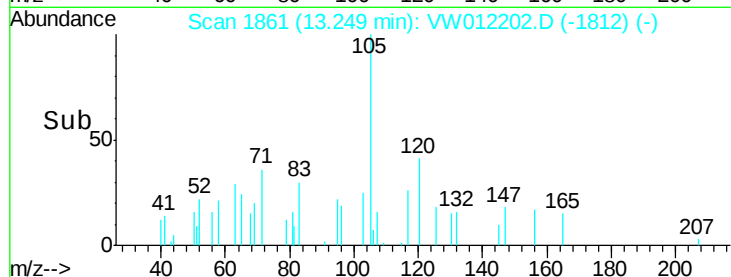
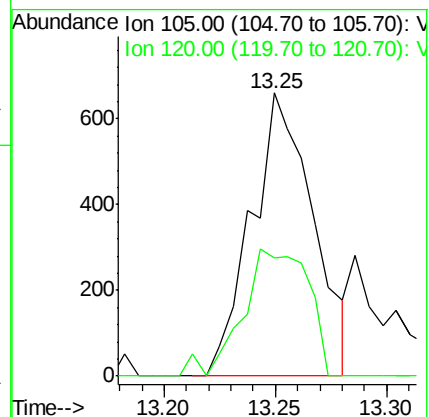
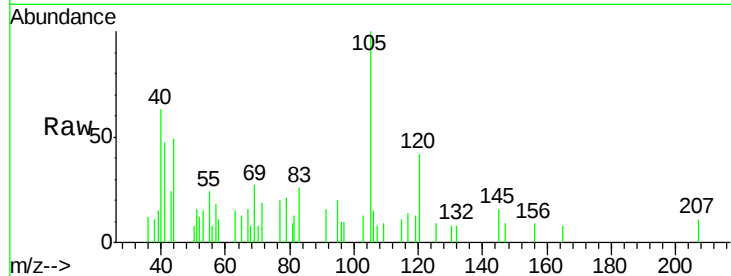
S602-M-1.0-1.5-082319MS

Tot Ion:105 Resp: 1270

Ion Ratio Lower Upper

105 100

120 47.7 21.9 65.7



#85

sec-Butylbenzene

Concen: 11.828 ug/l

RT: 13.38 min Scan# 1882

Delta R.T. -0.01 min

Lab File: VW012202.D

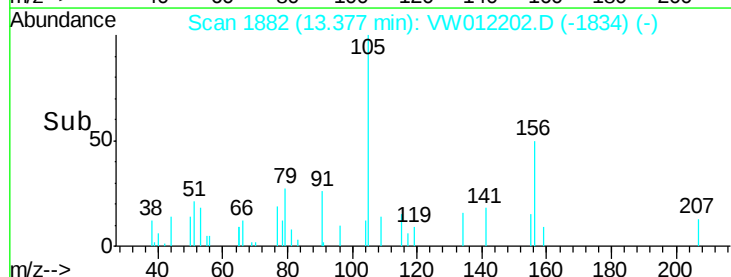
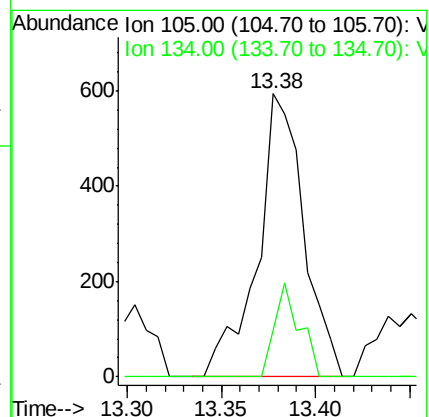
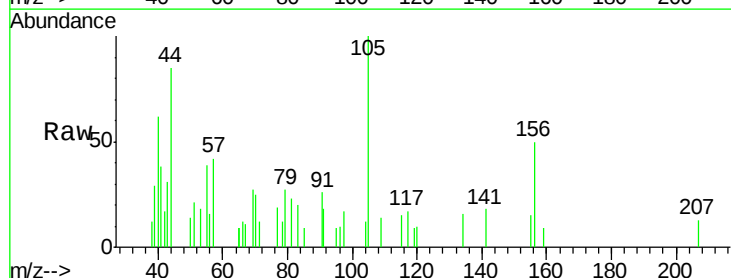
Acq: 27 Aug 2019 10:40

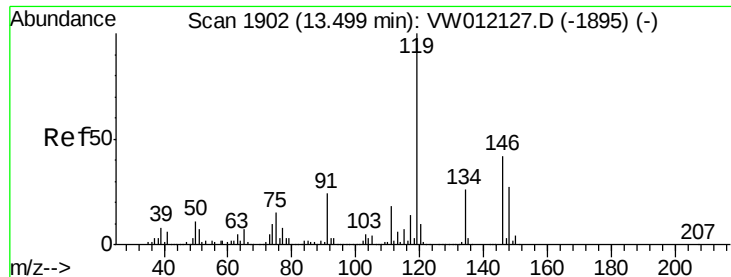
Tgt Ion:105 Resp: 1012

Ion Ratio Lower Upper

105 100

134 17.9 9.8 29.4

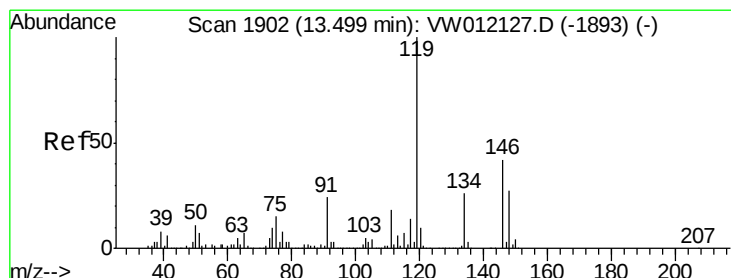
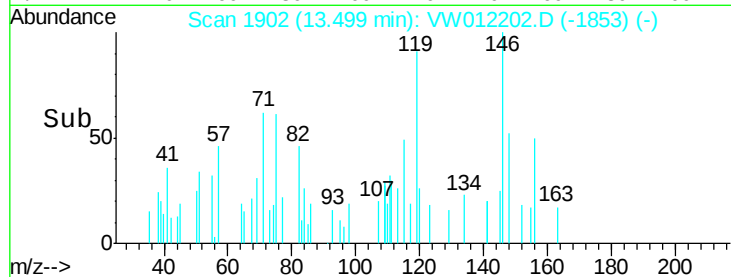
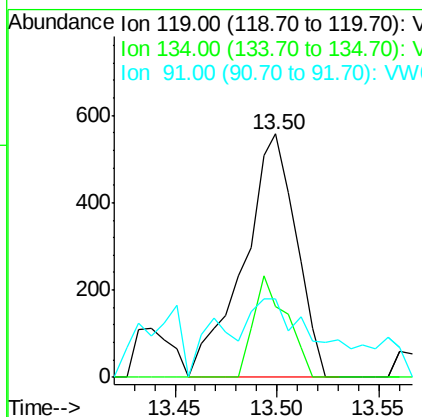
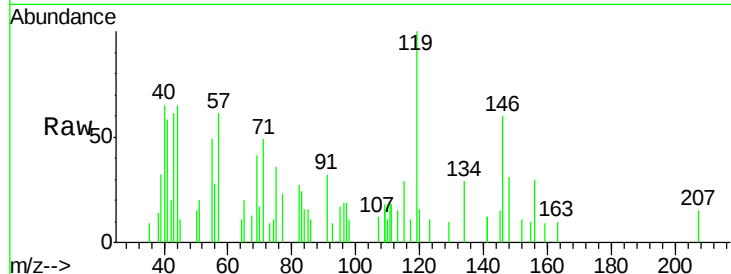




#86
 p-Isopropyltoluene
 Concen: 13.048 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

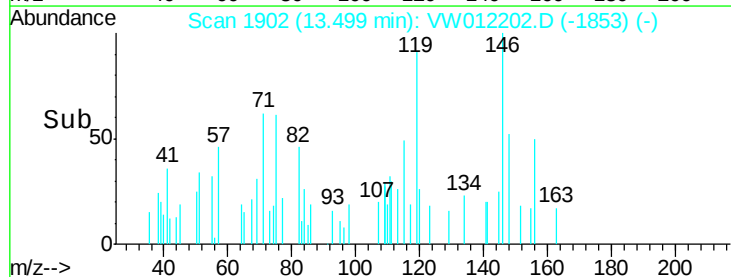
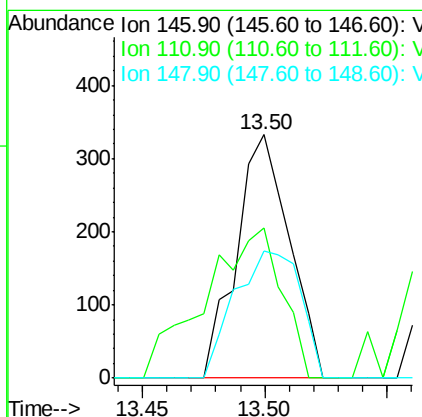
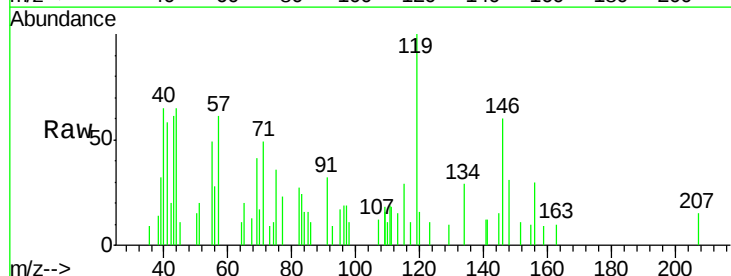
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MS

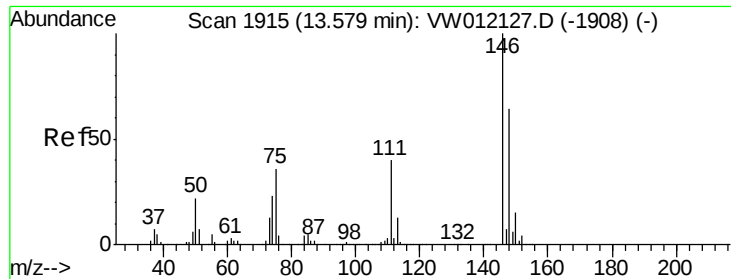
Tot Ion:119 Resp: 997
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.8 38.3
 91 19.7 12.3 36.9



#87
 1,3-Dichlorobenzene
 Concen: 13.977 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

Tgt Ion:146 Resp: 499
 Ion Ratio Lower Upper
 146 100
 111 89.6 20.9 62.7#
 148 64.9 32.2 96.6

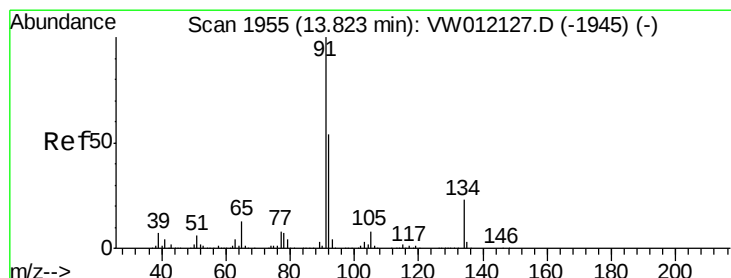
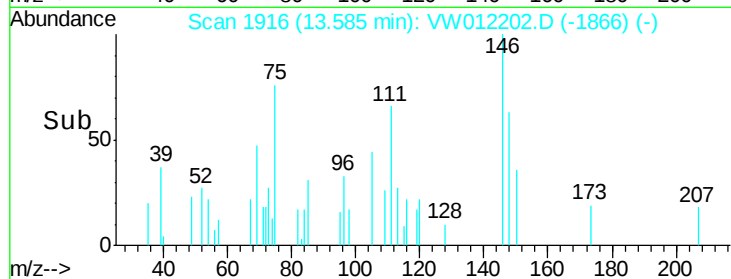
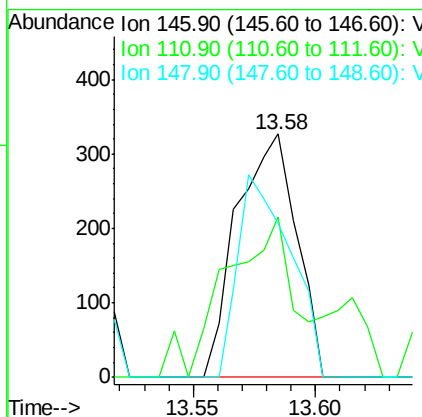
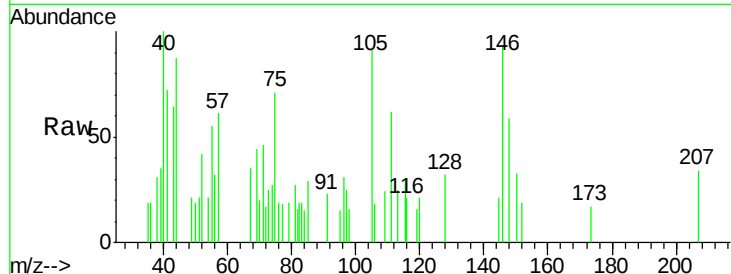




#88
 1,4-Dichlorobenzene
 Concen: 15.571 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

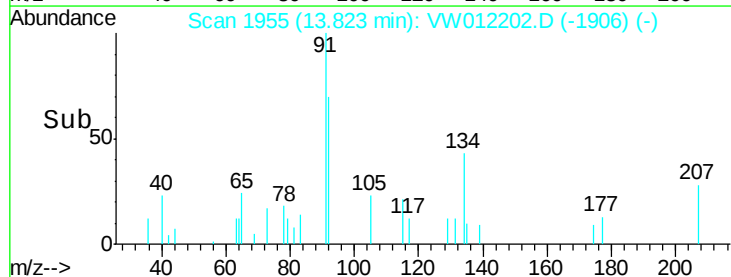
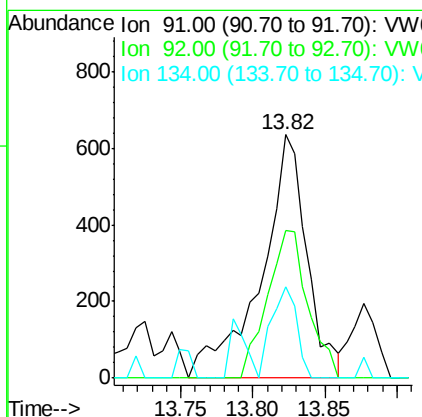
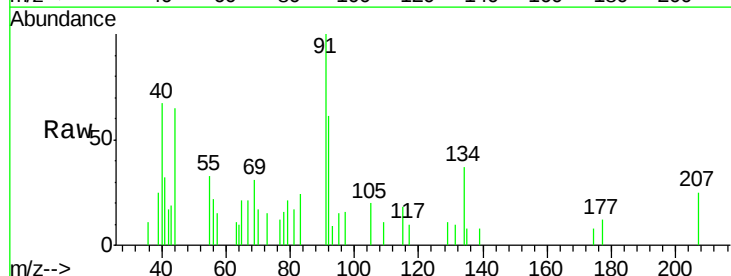
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MS

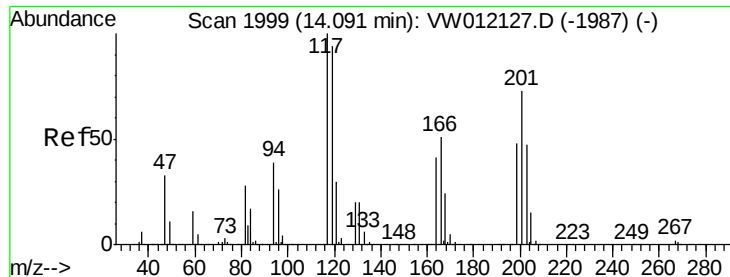
Tot Ion:146 Resp: 552
 Ion Ratio Lower Upper
 146 100
 111 74.8 20.0 60.0#
 148 73.7 32.1 96.3



#89
 n-Butylbenzene
 Concen: 18.517 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

Tgt Ion: 91 Resp: 1407
 Ion Ratio Lower Upper
 91 100
 92 53.7 27.1 81.2
 134 20.7 12.2 36.4





#90

Hexachloroethane

Concen: 20.140 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

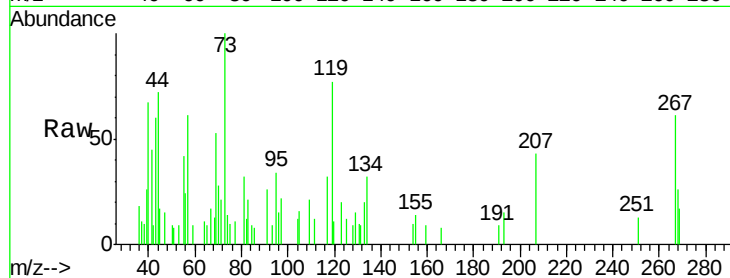
S602-M-1.0-1.5-082319MS

Tot Ion:117 Resp: 270

Ion Ratio Lower Upper

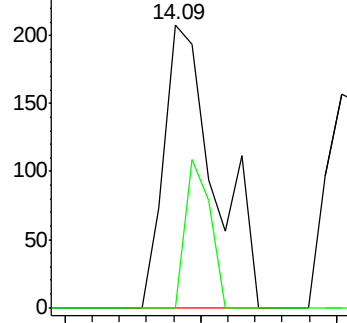
117 100

201 25.6 38.6 115.7#

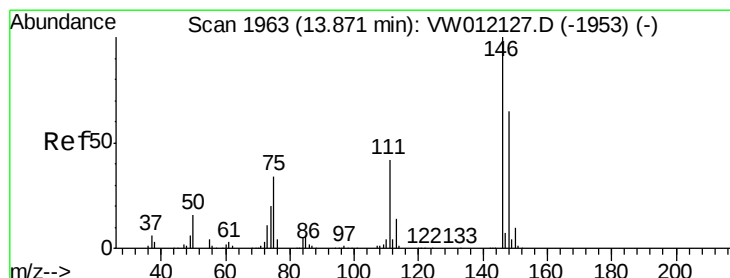
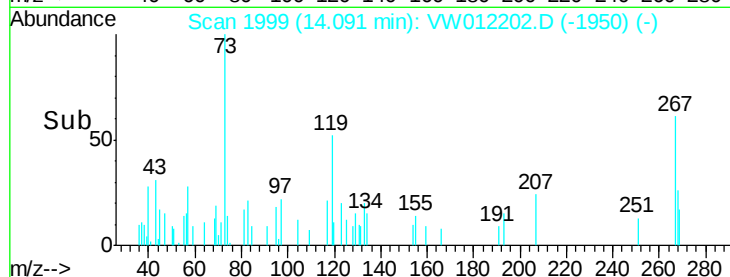


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->



#91

1,2-Dichlorobenzene

Concen: 14.080 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

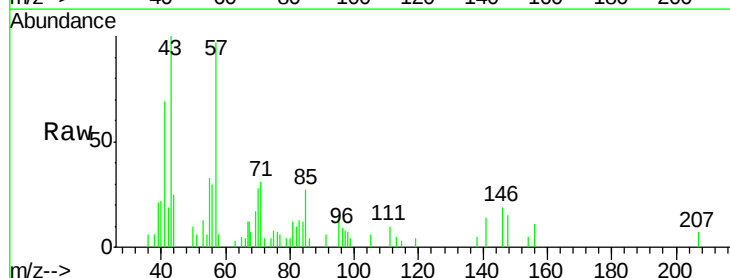
Tgt Ion:146 Resp: 441

Ion Ratio Lower Upper

146 100

111 30.6 21.2 63.6

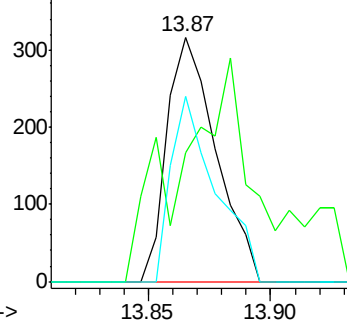
148 69.4 32.5 97.4



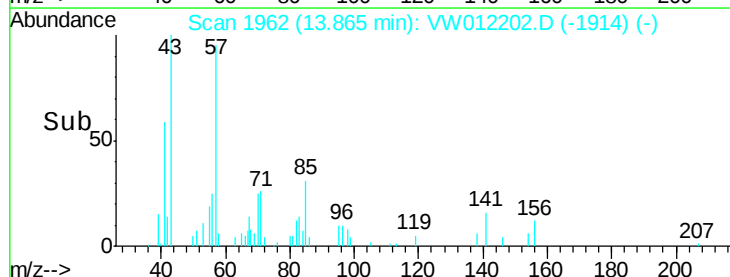
Abundance Ion 145.90 (145.60 to 146.60): V

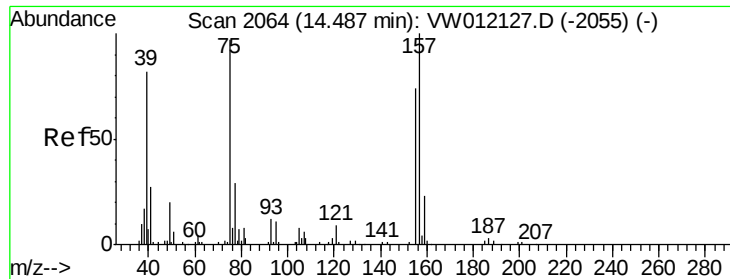
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 18.791 ug/l

RT: 14.54 min Scan# 2072

Delta R.T. 0.05 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

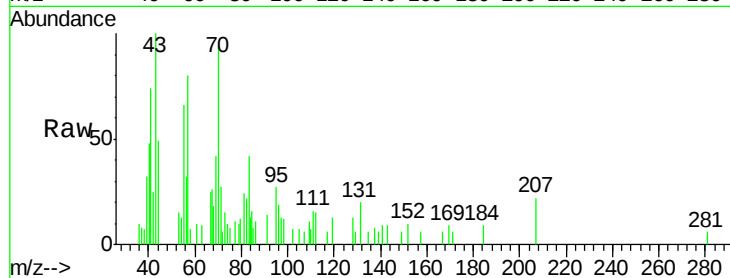
Tot Ion: 75 Resp: 49

Ion Ratio Lower Upper

75 100

155 77.6 37.5 112.3

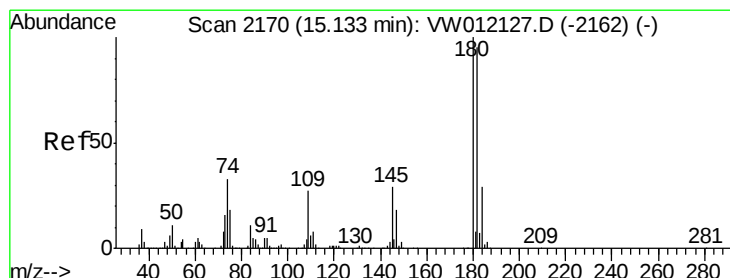
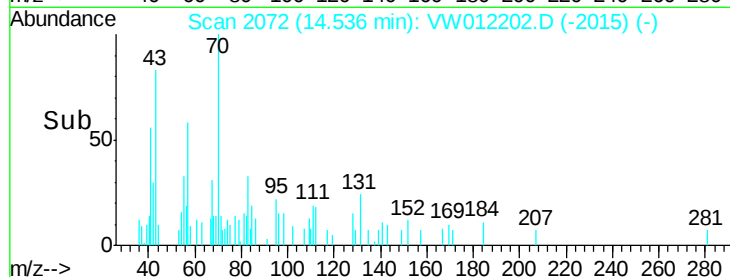
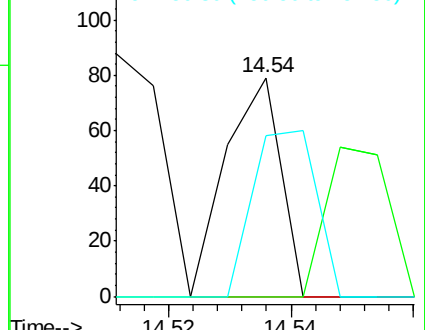
157 87.8 50.5 151.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 38.301 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

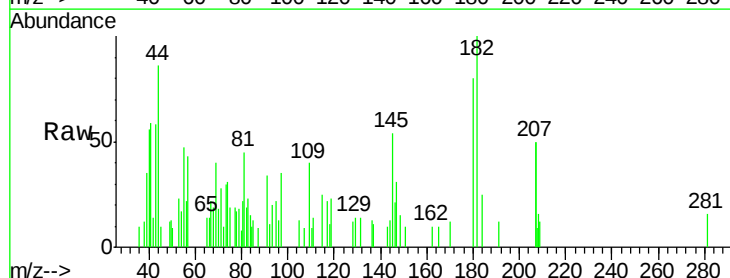
Tgt Ion: 180 Resp: 829

Ion Ratio Lower Upper

180 100

182 111.2 47.8 143.4

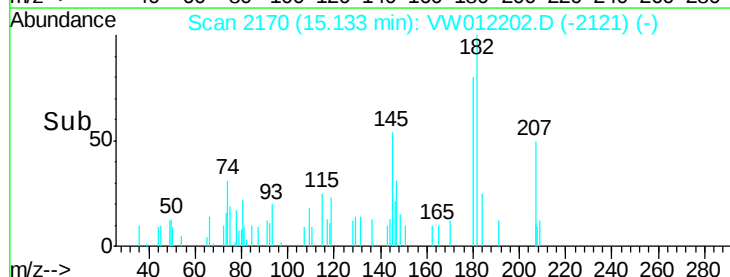
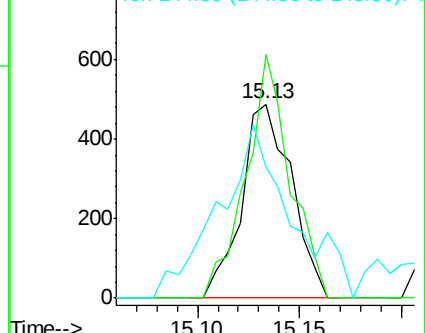
145 130.0 15.0 45.1#

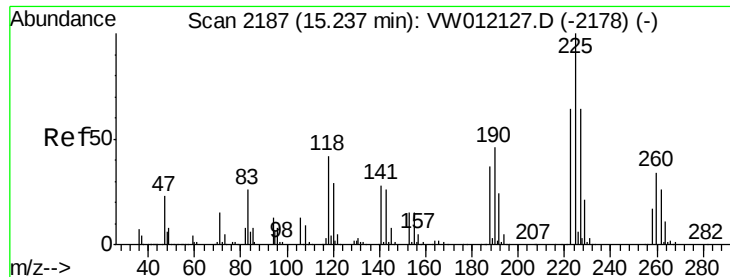


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 25.259 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MS

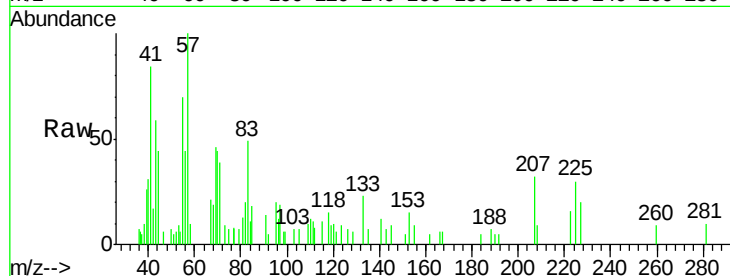
Tot Ion:225 Resp: 361

Ion Ratio Lower Upper

225 100

223 65.7 32.3 96.8

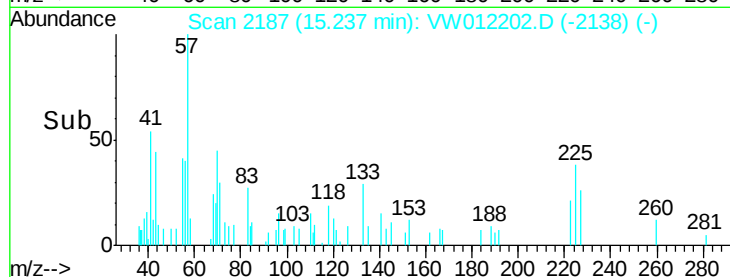
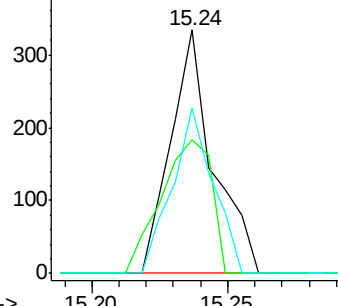
227 65.7 32.9 98.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 73.411 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012202.D

Acq: 27 Aug 2019 10:40

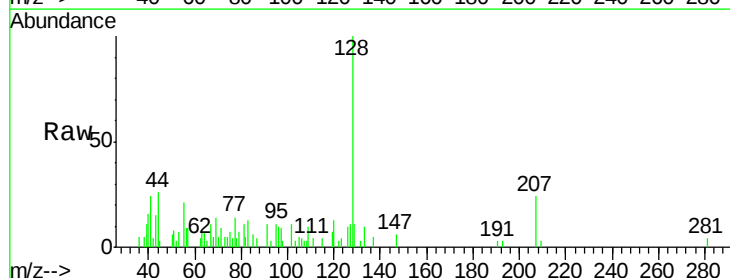
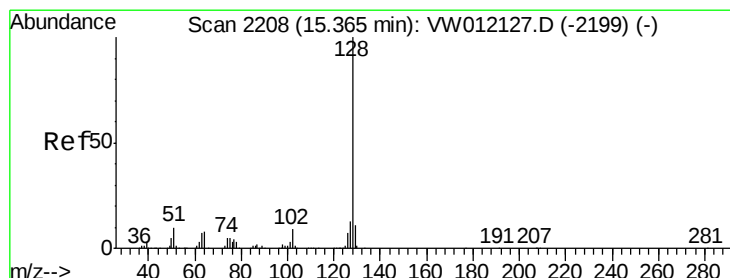
Tgt Ion:128 Resp: 3212

Ion Ratio Lower Upper

128 100

127 15.7 10.7 16.1

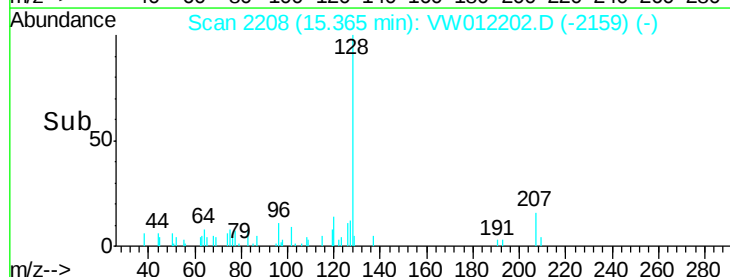
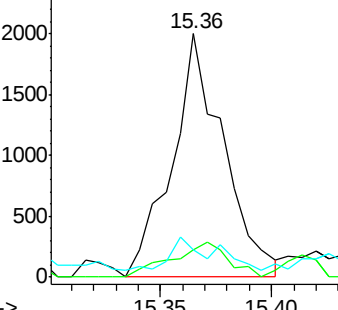
129 7.5 8.7 13.1#

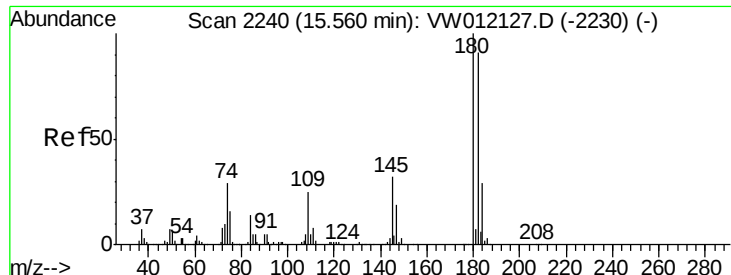


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

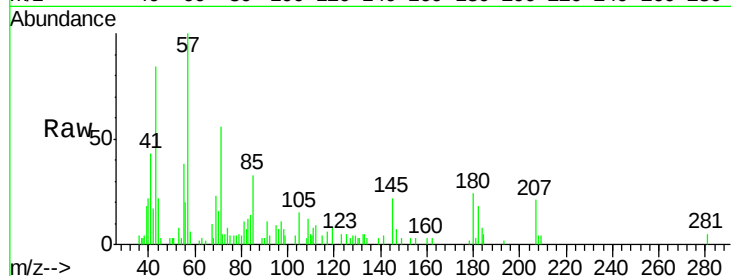




#96
 1,2,3-Trichlorobenzene
 Concen: 53.166 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: VW012202.D
 Acq: 27 Aug 2019 10:40

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	79.3	47.1	141.3
145	118.1	16.2	48.5



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

