

Data File : VW012193.D
Acq On : 27 Aug 2019 01:07
Operator : SY/VA
Sample : K4514-04MSD
Misc : 5.42G/5ML/MSVOA_W/SOIL
ALS Vial : 37 Sample Multiplier: 1

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

Quant Time: Aug 27 05:02:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	92916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144817	58.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.08%	
35) Dibromofluoromethane	7.88	113	113223	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	10.32	98	432167	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.62	95	123459	42.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	78278	61.092	ug/l	95
3) Chloromethane	2.21	50	121858	61.385	ug/l	99
4) Vinyl Chloride	2.36	62	143487	59.055	ug/l	100
5) Bromomethane	2.77	94	72501	58.919	ug/l	99
6) Chloroethane	2.92	64	80623	58.821	ug/l	97
7) Trichlorofluoromethane	3.25	101	70560	57.834	ug/l	99
8) Diethyl Ether	3.68	74	76881	66.389	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	143425	69.160	ug/l	100
10) Methyl Iodide	4.27	142	162897	58.055	ug/l	99
11) Tert butyl alcohol	5.18	59	51896	348.603	ug/l	99
12) 1,1-Dichloroethene	4.04	96	120024	57.502	ug/l	98
13) Acrolein	3.89	56	30146	215.124	ug/l	100
14) Allyl chloride	4.66	41	249062	55.814	ug/l	99
15) Acrylonitrile	5.36	53	188761	328.853	ug/l	100
16) Acetone	4.12	43	247518	391.432	ug/l	98
17) Carbon Disulfide	4.38	76	335230	53.142	ug/l	99
18) Methyl Acetate	4.67	43	137699	87.920	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	224464	66.498	ug/l	100
20) Methylene Chloride	4.91	84	156727	65.562	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	118069	52.749	ug/l	99
22) Diisopropyl ether	6.31	45	518677	62.708	ug/l	95
23) Vinyl Acetate	6.25	43	484671	95.215	ug/l	98
24) 1,1-Dichloroethane	6.21	63	272477	60.502	ug/l	99
25) 2-Butanone	7.17	43	287160	334.188	ug/l	99
26) 2,2-Dichloropropane	7.17	77	133833	52.502	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	135927	56.839	ug/l	99
28) Bromochloromethane	7.51	49	105749	53.874	ug/l	99
29) Tetrahydrofuran	7.52	42	190909	370.316	ug/l	99
30) Chloroform	7.67	83	245166	59.502	ug/l	99
31) Cyclohexane	7.95	56	222412	49.916	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	193079	59.236	ug/l	100
36) 1,1-Dichloropropene	8.08	75	178556	50.194	ug/l	99
37) Ethyl Acetate	7.25	43	117638	60.347	ug/l	100
38) Carbon Tetrachloride	8.07	117	173065	56.210	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	175995	44.039	ug/l	97
40) Benzene	8.32	78	556262	57.267	ug/l	99
41) Methacrylonitrile	7.48	41	77013	67.219	ug/l	95
42) 1,2-Dichloroethane	8.40	62	179997	59.126	ug/l	100
43) Isopropyl Acetate	8.42	43	230091	63.723	ug/l	99
44) Trichloroethene	9.09	130	119942	50.795	ug/l	95
45) 1,2-Dichloropropane	9.37	63	151635	58.005	ug/l	100
46) Dibromomethane	9.46	93	67994	58.458	ug/l	97
47) Bromodichloromethane	9.64	83	179262	57.909	ug/l	98
48) Methyl methacrylate	9.43	41	113762	66.196	ug/l	96
49) 1,4-Dioxane	9.46	88	23320	1309.659	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	621407	338.353	ug/l	100
52) Toluene	10.38	92	318966	54.661	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	155150	49.203	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	199465	52.389	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98459	59.829	ug/l	99
56) Ethyl methacrylate	10.65	69	148069	61.821	ug/l	100
57) 1,3-Dichloropropane	10.93	76	180729	58.114	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	339389	276.098	ug/l	99
59) 2-Hexanone	10.96	43	423403	325.823	ug/l	100
60) Dibromochloromethane	11.13	129	106330	58.009	ug/l	100
61) 1,2-Dibromoethane	11.23	107	85424	55.718	ug/l	99
64) Tetrachloroethene	10.86	164	112420	65.028	ug/l	99
65) Chlorobenzene	11.66	112	282566	53.816	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	116111	63.389	ug/l	100
67) Ethyl Benzene	11.73	91	561686	55.533	ug/l	98
68) m/p-Xylenes	11.84	106	398804	109.461	ug/l	99
69) o-Xylene	12.16	106	195137	57.869	ug/l	100
70) Styrene	12.18	104	302743	51.869	ug/l	97
71) Bromoform	12.35	173	59750	65.471	ug/l #	99
73) Isopropylbenzene	12.46	105	499911	71.802	ug/l	98
74) N-amyl acetate	12.27	43	131213	62.378	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	114101	89.393	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	141351	156.200	ug/l #	100
77) Bromobenzene	12.74	156	102843	68.279	ug/l	96
78) n-propylbenzene	12.80	91	545922	64.229	ug/l	99
79) 2-Chlorotoluene	12.89	91	329513	68.284	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	394002	67.725	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33594	81.394	ug/l	99
82) 4-Chlorotoluene	12.99	91	308813	61.118	ug/l	100
83) tert-Butylbenzene	13.21	119	327842	66.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	384932	65.867	ug/l	100
85) sec-Butylbenzene	13.38	105	423430	59.973	ug/l	99
86) p-Isopropyltoluene	13.50	119	368413	58.429	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	161929	54.963	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154361	52.768	ug/l	99
89) n-Butylbenzene	13.82	91	294603	46.984	ug/l	100
90) Hexachloroethane	14.09	117	67397	60.924	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	157050	60.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18612	86.495	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082619\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

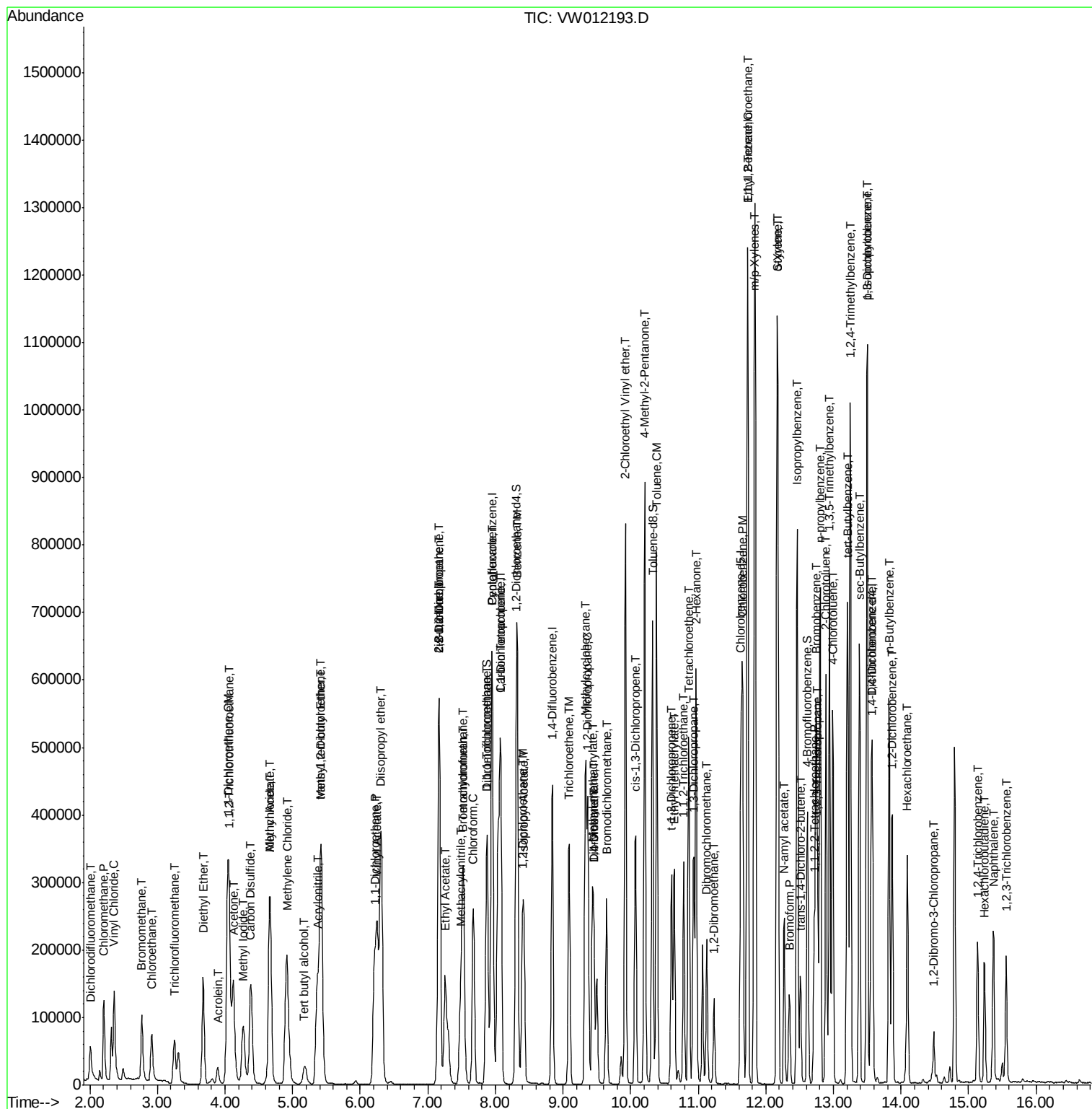
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63114	35.337	ug/l	98
94) Hexachlorobutadiene	15.24	225	34514	29.266	ug/l	99
95) Naphthalene	15.36	128	186092	52.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	60074	38.551	ug/l	98

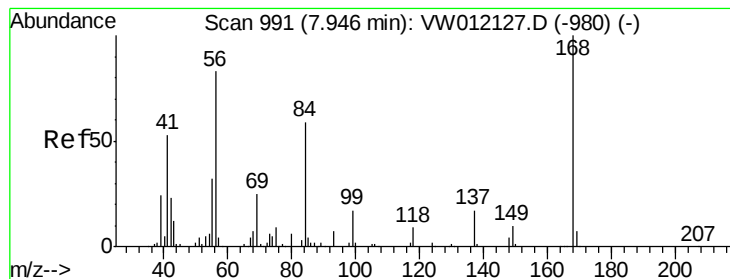
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

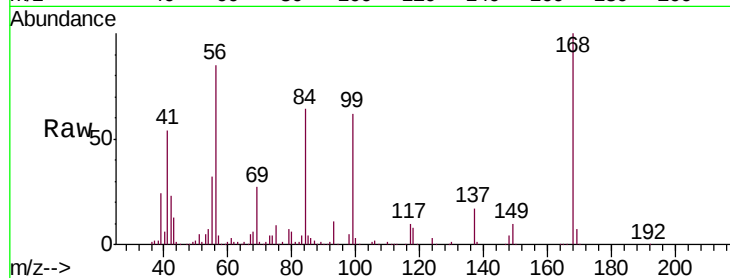
S602-M-1.0-1.5-082319MSD

Tgt Ion:168 Resp: 208095

Ion Ratio Lower Upper

168 100

99 61.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

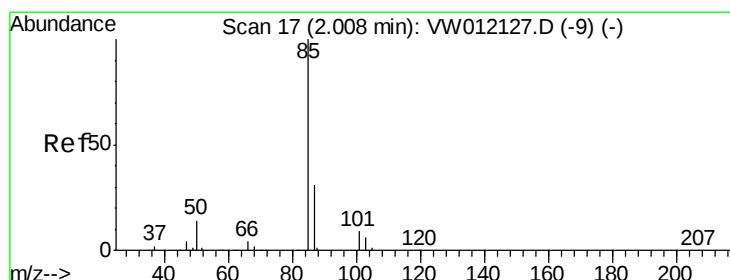
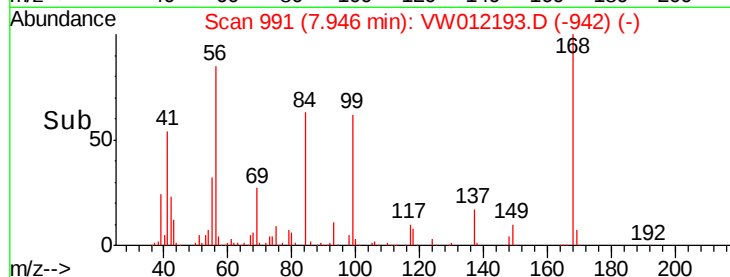
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 61.092 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012193.D

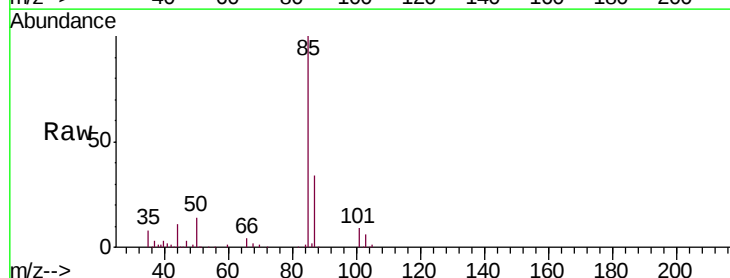
Acq: 27 Aug 2019 01:07

Tgt Ion: 85 Resp: 78278

Ion Ratio Lower Upper

85 100

87 33.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

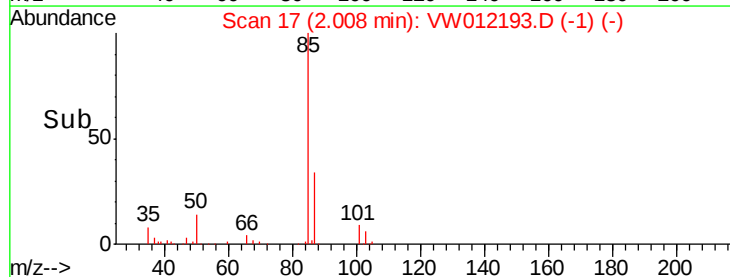
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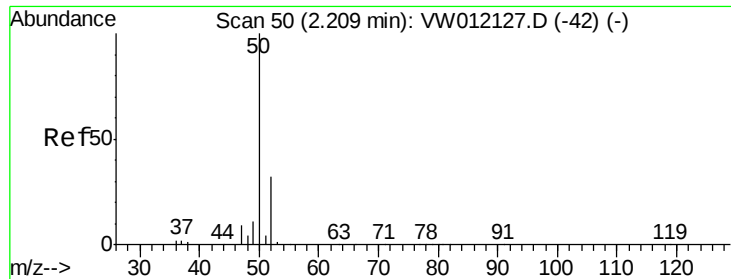
10000

5000

0

Time-->





#3

Chloromethane

Concen: 61.385 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

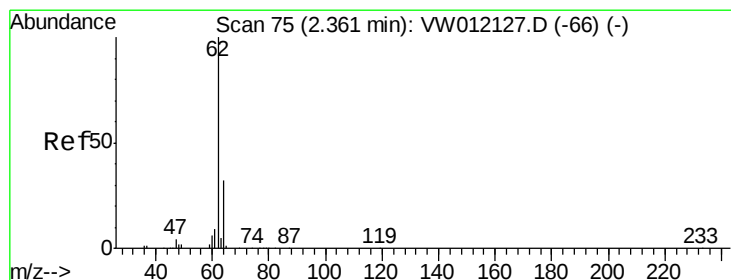
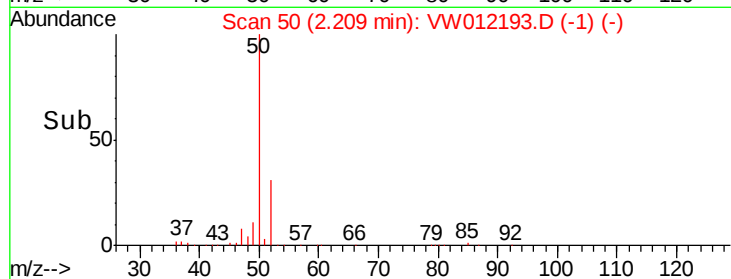
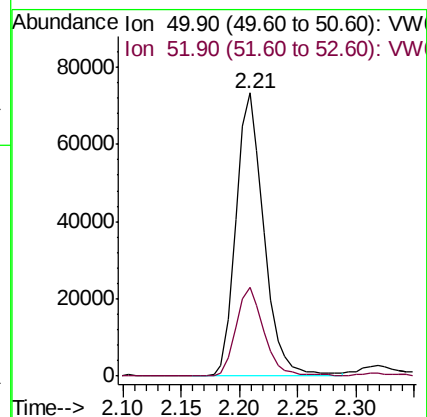
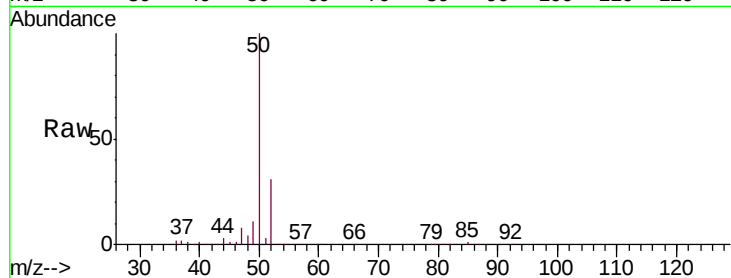
S602-M-1.0-1.5-082319MSD

Tgt Ion: 50 Resp: 121858

Ion Ratio Lower Upper

50 100

52 31.5 25.5 38.3



#4

Vinyl Chloride

Concen: 59.055 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012193.D

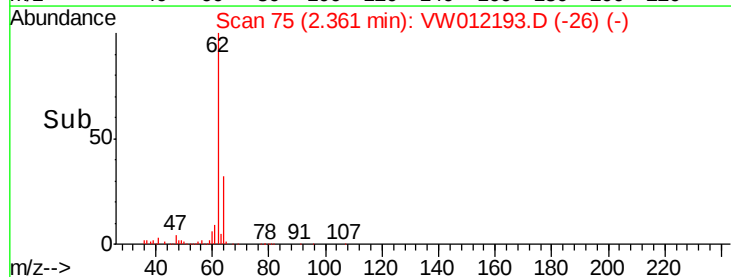
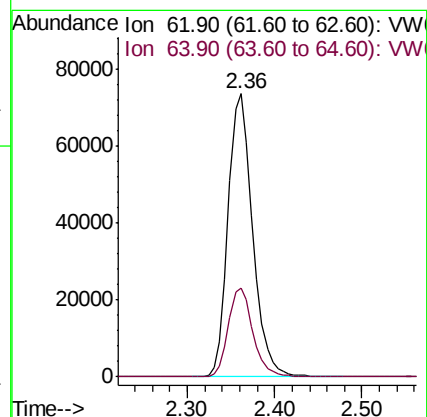
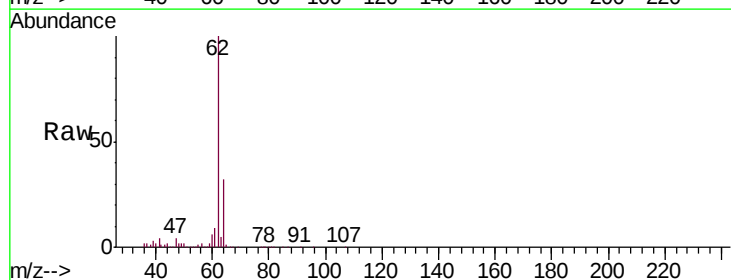
Acq: 27 Aug 2019 01:07

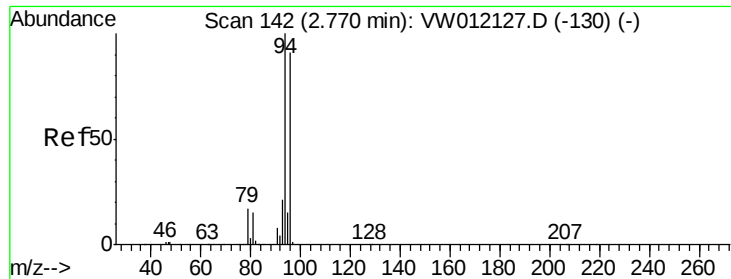
Tgt Ion: 62 Resp: 143487

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 58.919 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

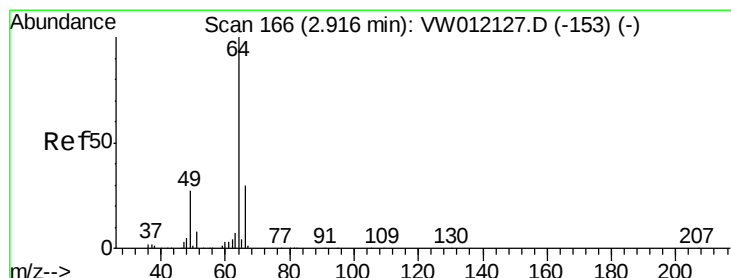
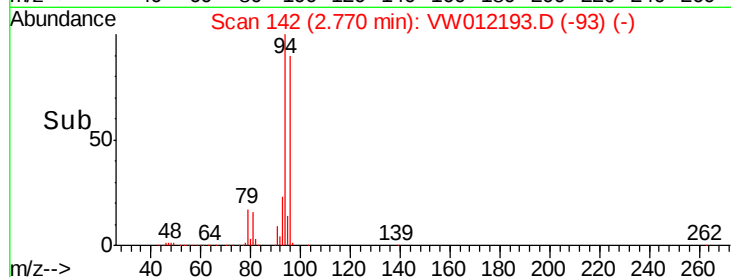
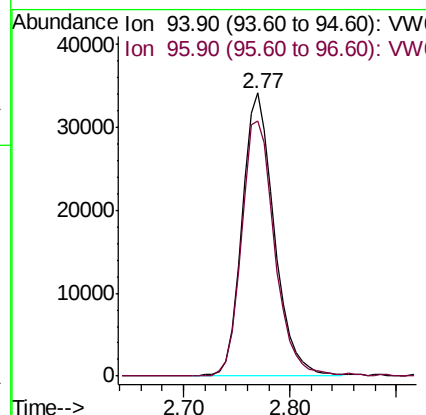
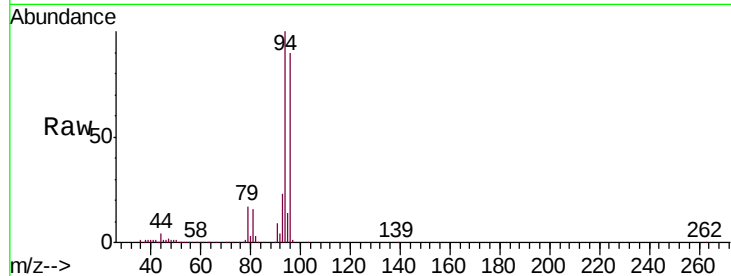
S602-M-1.0-1.5-082319MSD

Tgt Ion: 94 Resp: 72501

Ion Ratio Lower Upper

94 100

96 90.3 72.9 109.3



#6

Chloroethane

Concen: 58.821 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012193.D

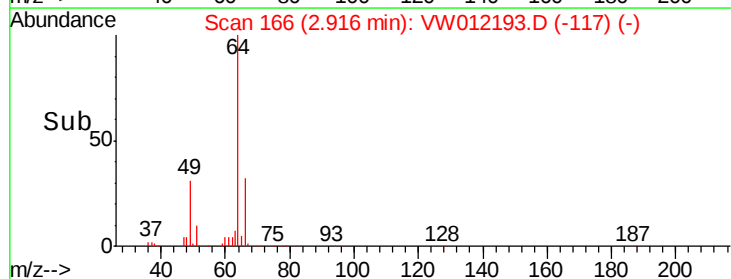
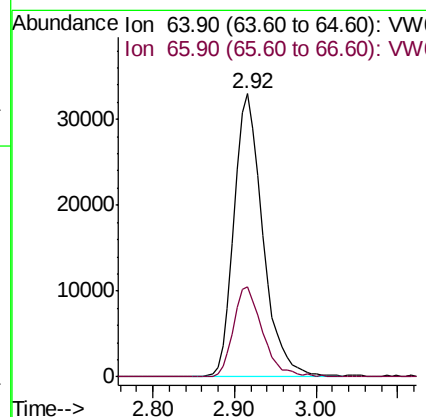
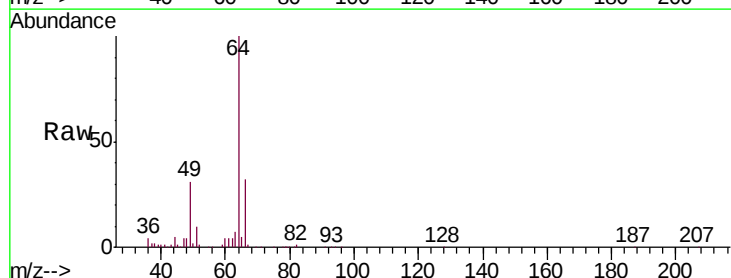
Acq: 27 Aug 2019 01:07

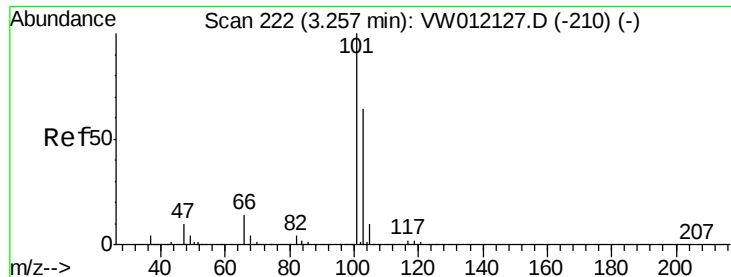
Tgt Ion: 64 Resp: 80623

Ion Ratio Lower Upper

64 100

66 31.6 23.8 35.8



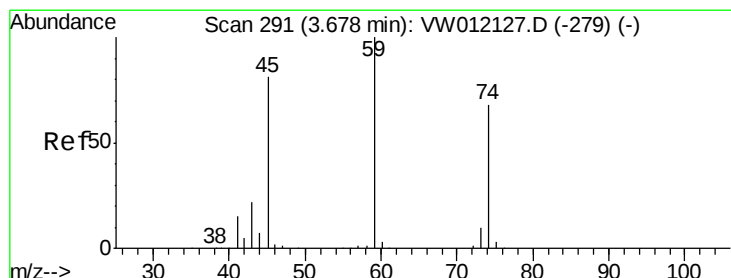
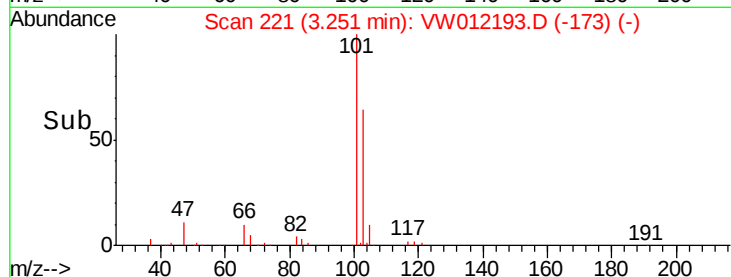
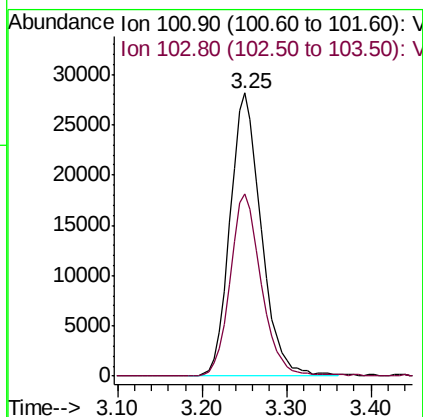
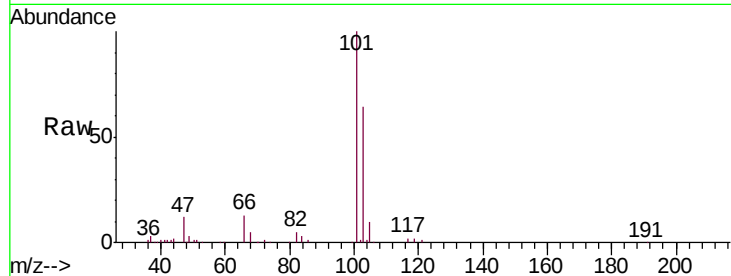


#7

Trichlorofluoromethane
 Concen: 57.834 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012193.D
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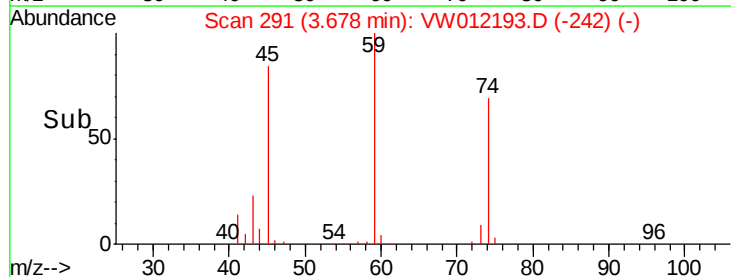
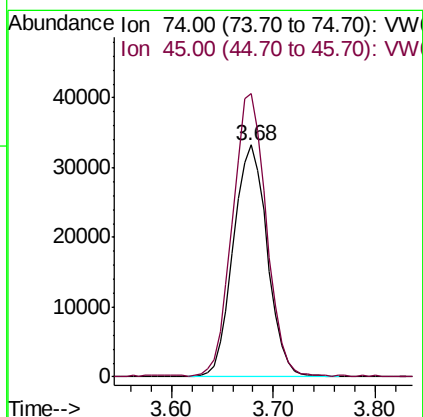
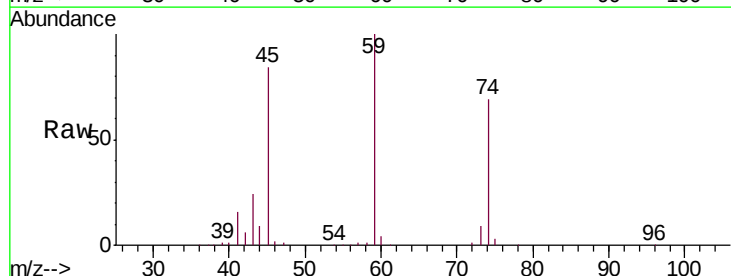
Tgt Ion: 101 Resp: 70560
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.2 76.8

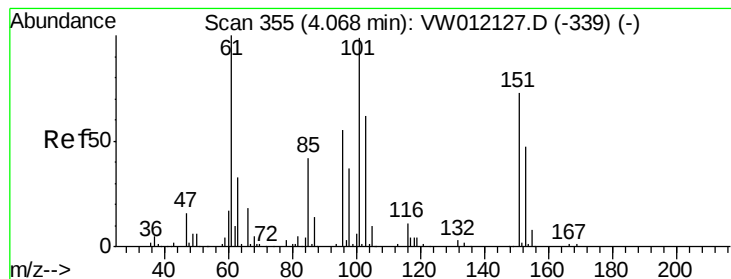


#8

Diethyl Ether
 Concen: 66.389 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 74 Resp: 76881
 Ion Ratio Lower Upper
 74 100
 45 120.9 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.160 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012193.D

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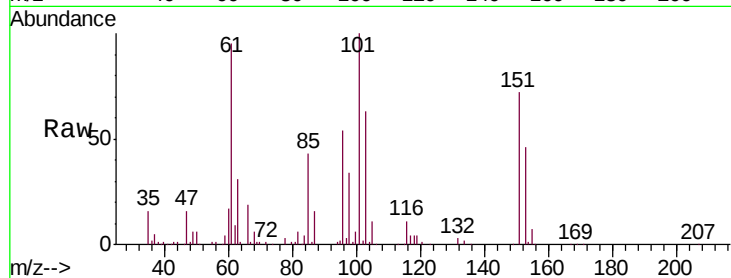
Tgt Ion:101 Resp: 143425

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

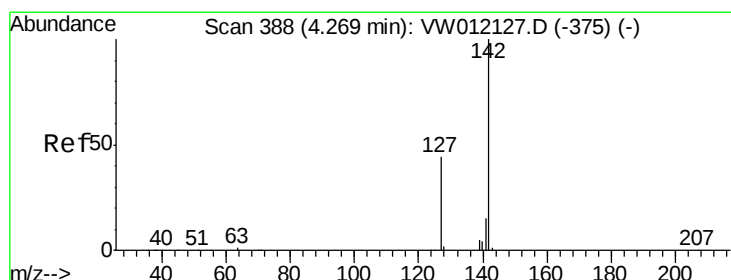
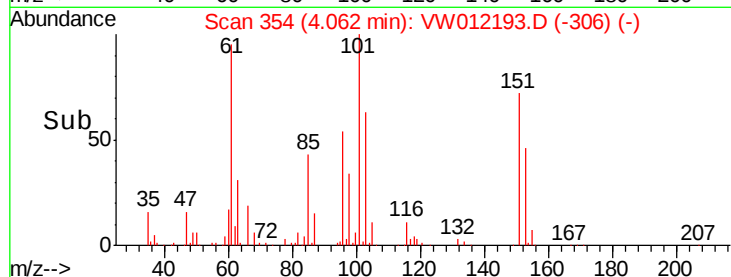
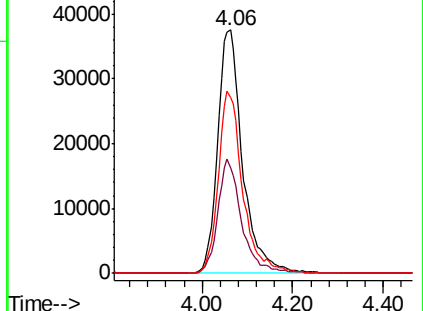
151 73.0 58.6 87.8



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



#10

Methyl Iodide

Concen: 58.055 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

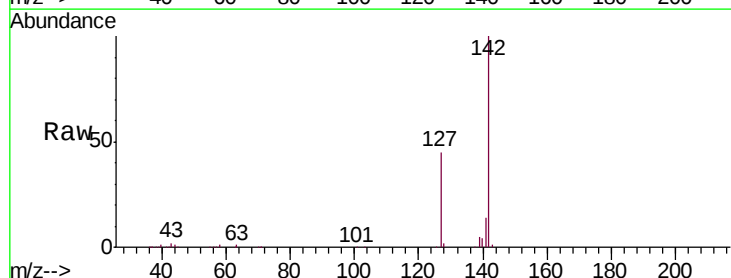
Tgt Ion:142 Resp: 162897

Ion Ratio Lower Upper

142 100

127 45.6 35.5 53.3

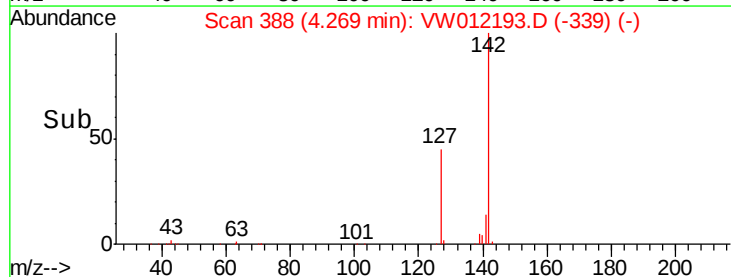
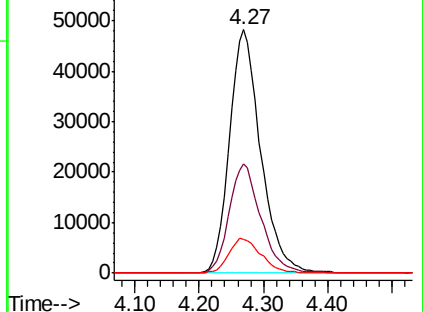
141 14.8 11.8 17.8

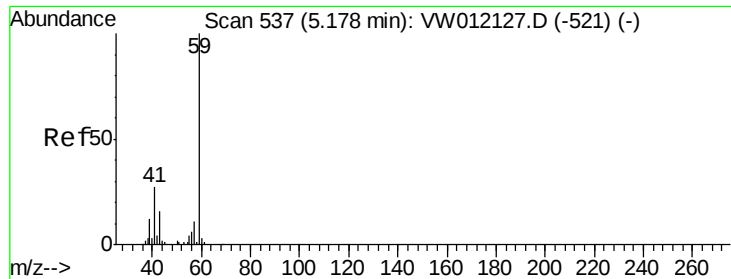


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

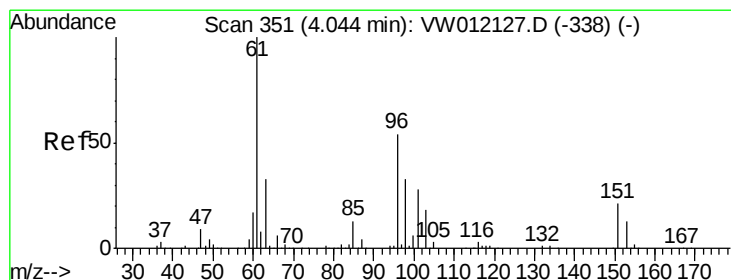
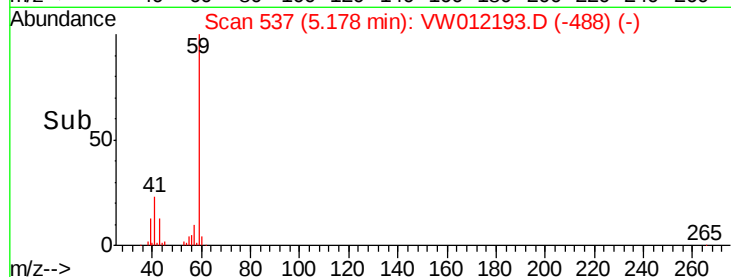
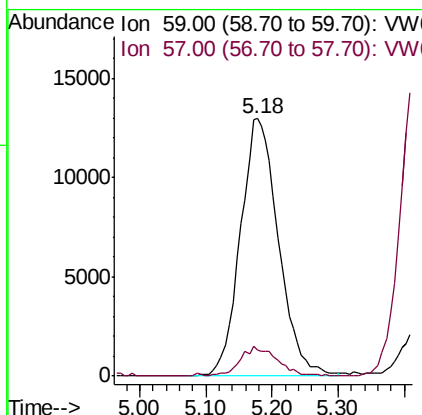
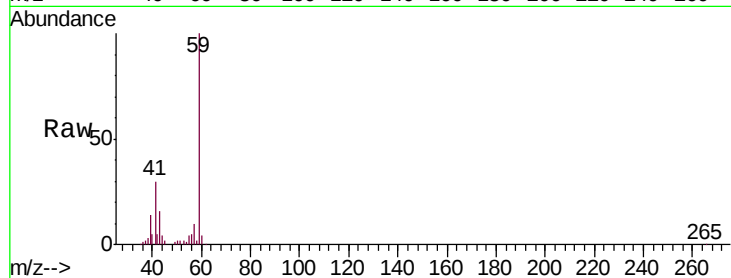




#11
Tert butyl alcohol
Concen: 348.603 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

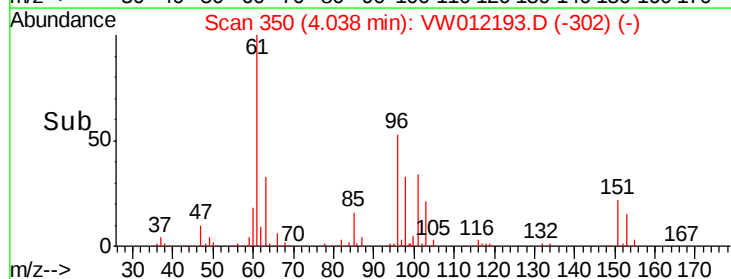
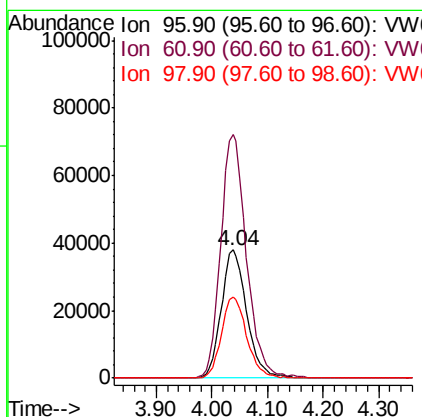
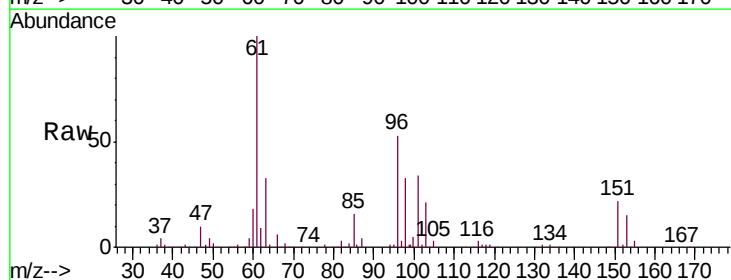
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

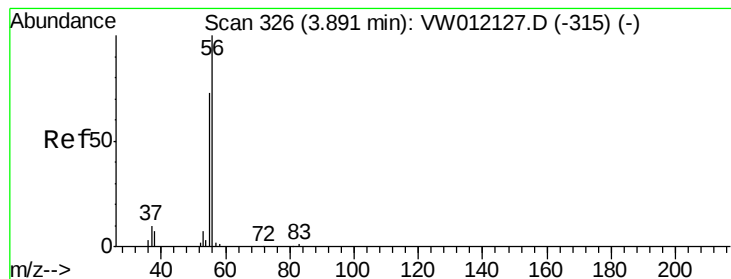
Tgt Ion: 59 Resp: 51896
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4



#12
1,1-Dichloroethene
Concen: 57.502 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion: 96 Resp: 120024
Ion Ratio Lower Upper
96 100
61 190.0 149.1 223.7
98 63.6 49.4 74.2





#13

Acrolein

Concen: 215.124 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

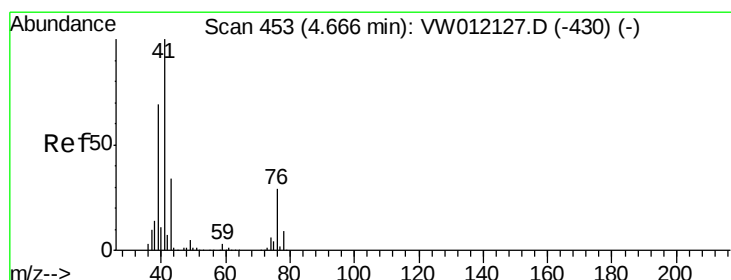
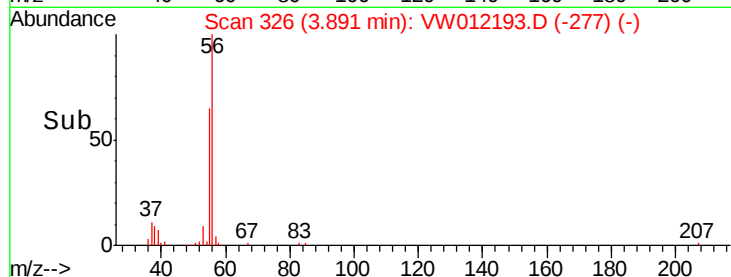
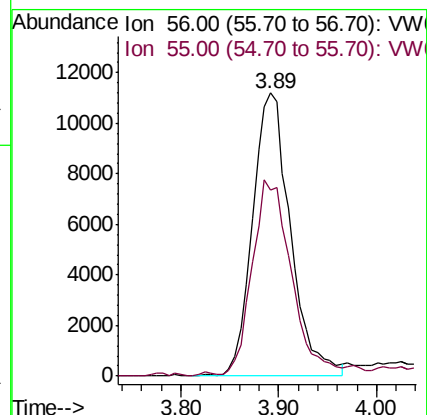
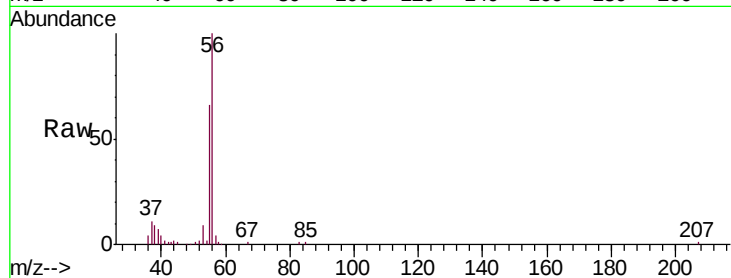
S602-M-1.0-1.5-082319MSD

Tgt Ion: 56 Resp: 30146

Ion Ratio Lower Upper

56 100

55 69.6 55.8 83.8



#14

Allyl chloride

Concen: 55.814 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

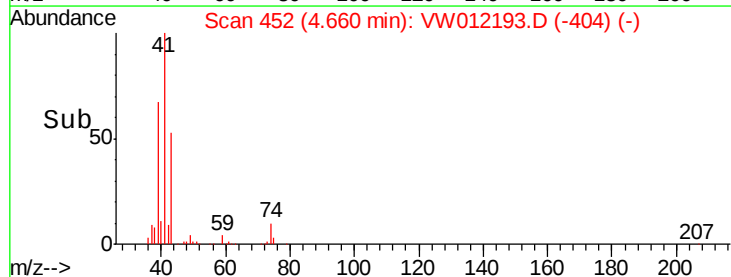
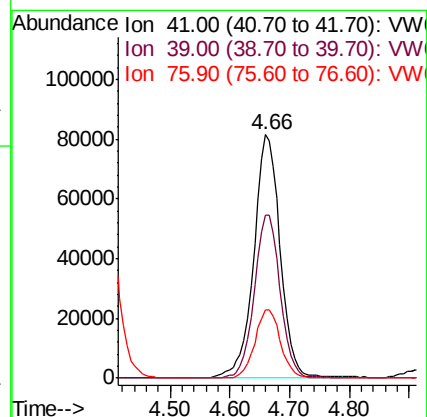
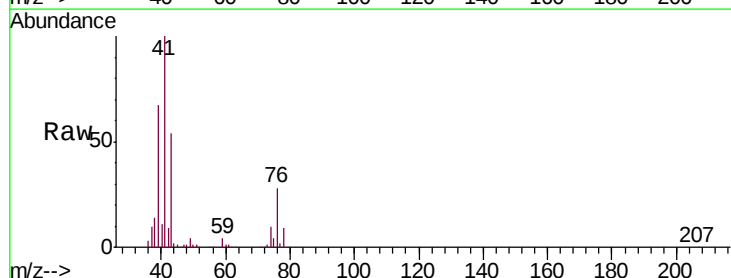
Tgt Ion: 41 Resp: 249062

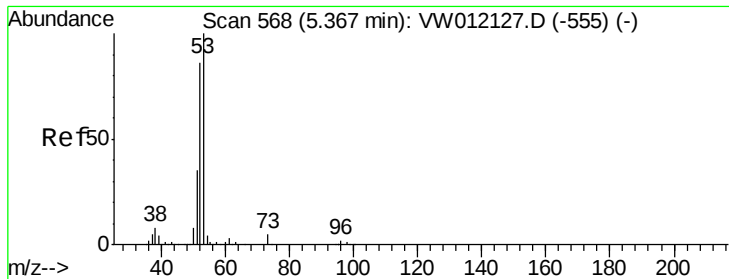
Ion Ratio Lower Upper

41 100

39 66.3 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 328.853 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

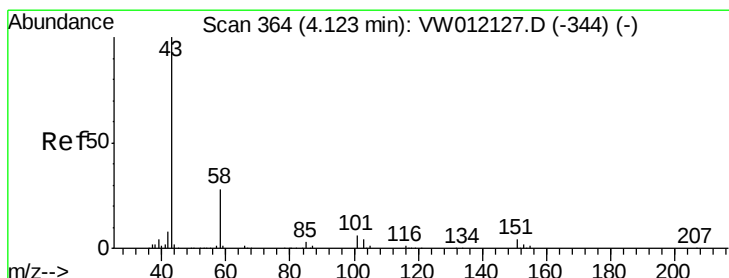
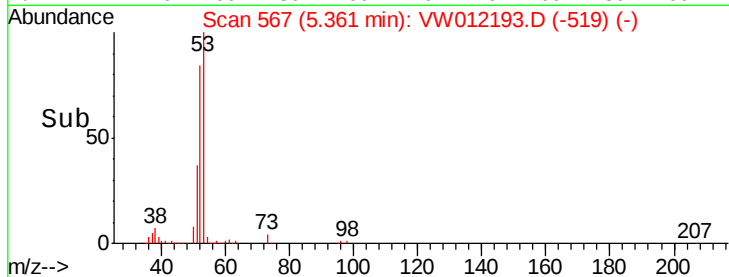
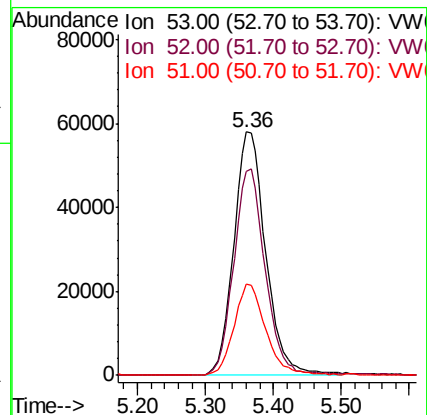
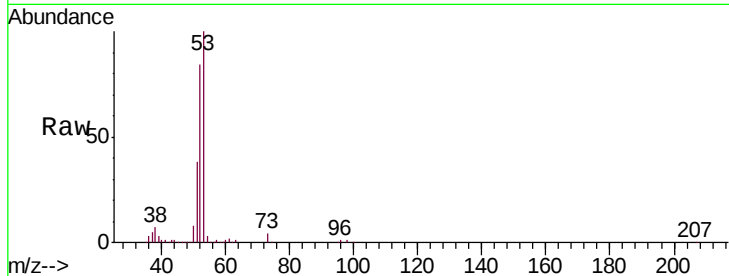
Tgt Ion: 53 Resp: 188761

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

51 37.3 30.1 45.1



#16

Acetone

Concen: 391.432 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012193.D

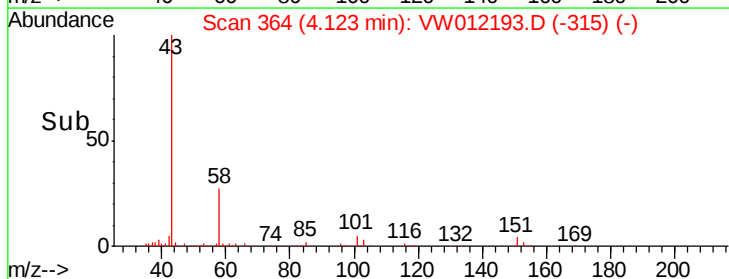
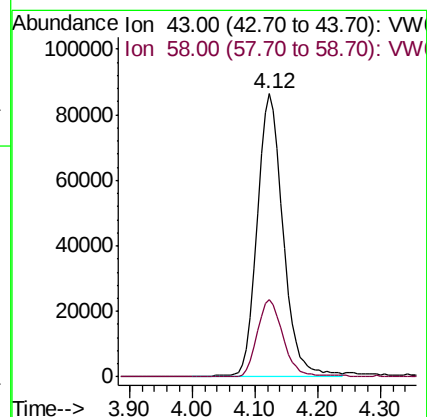
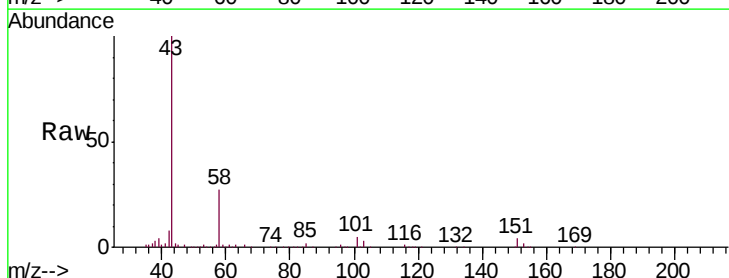
Acq: 27 Aug 2019 01:07

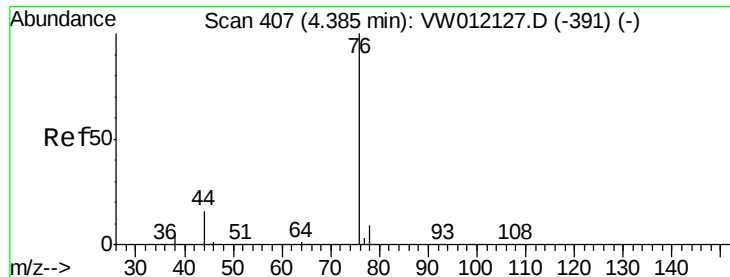
Tgt Ion: 43 Resp: 247518

Ion Ratio Lower Upper

43 100

58 26.9 22.4 33.6

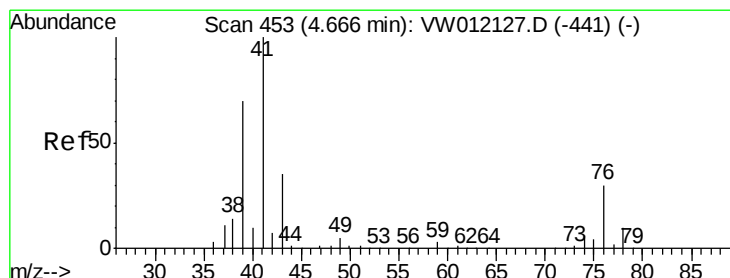
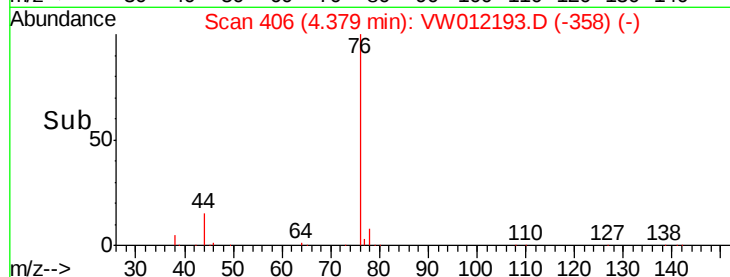
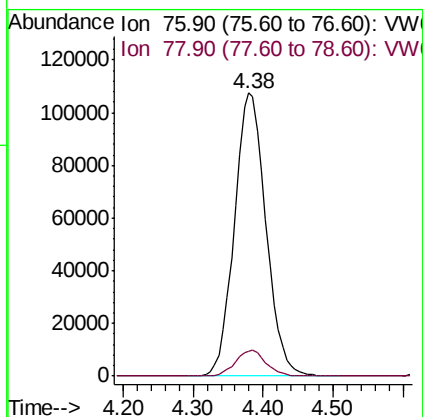
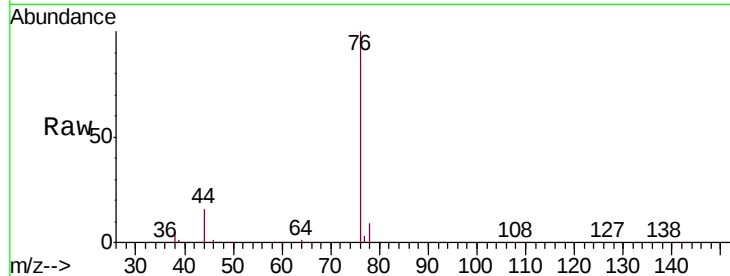




#17
Carbon Disulfide
Concen: 53.142 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

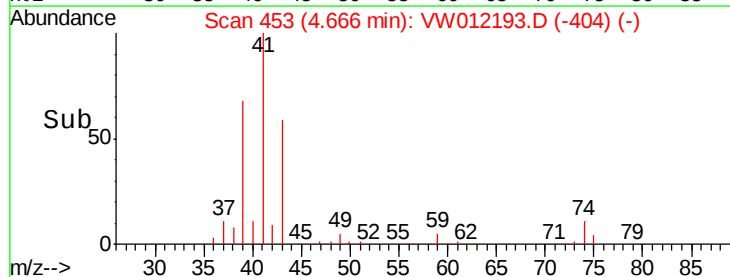
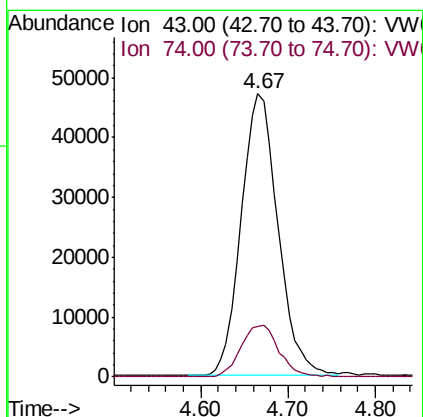
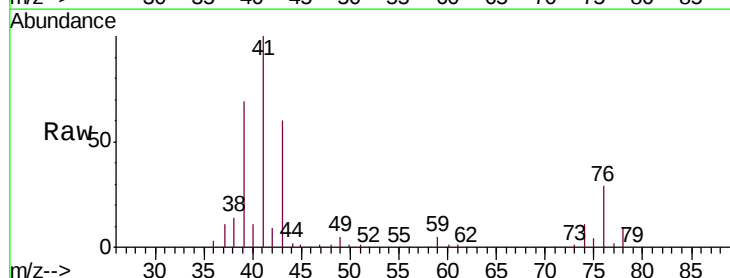
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

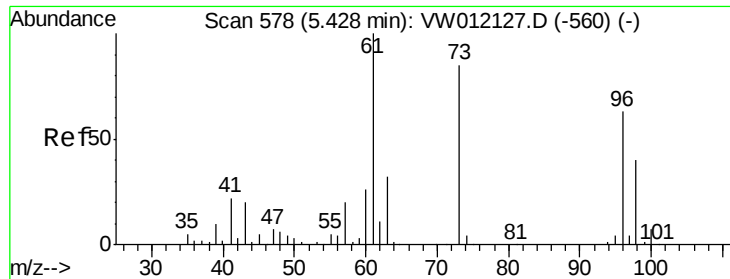
Tgt Ion: 76 Resp: 335230
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 87.920 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion: 43 Resp: 137699
Ion Ratio Lower Upper
43 100
74 19.2 15.7 23.5

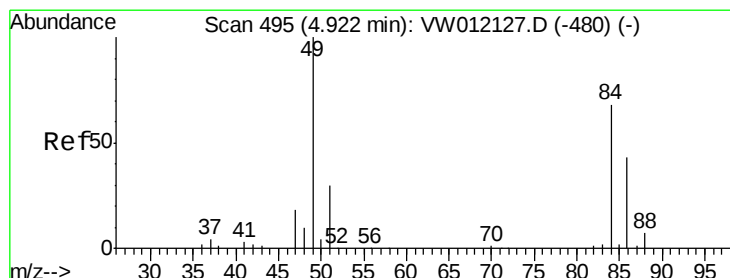
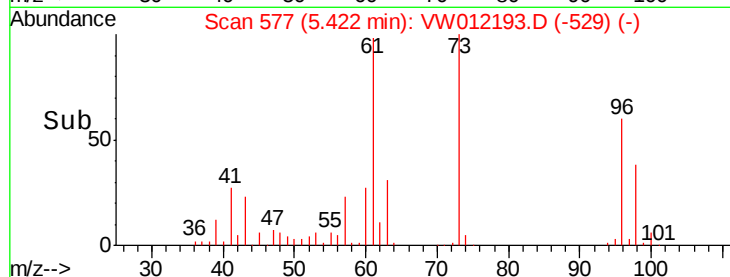
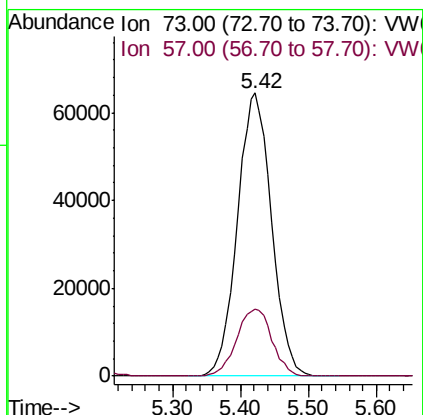
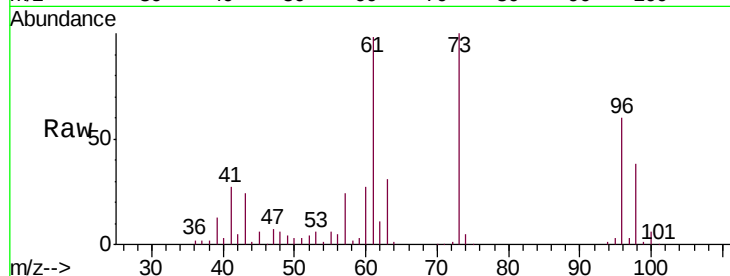




#19
Methyl tert-butyl Ether
Concen: 66.498 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

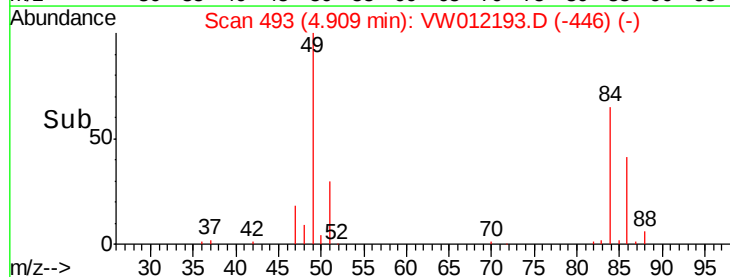
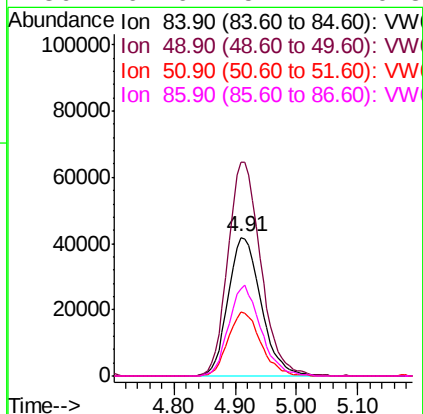
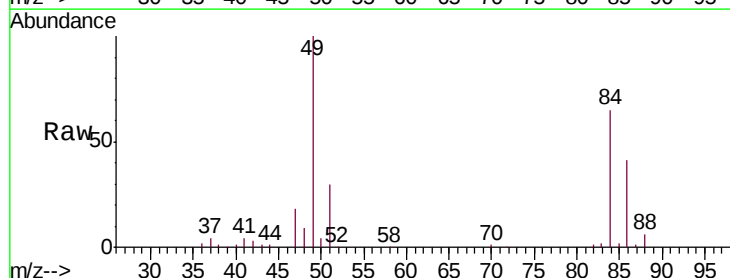
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

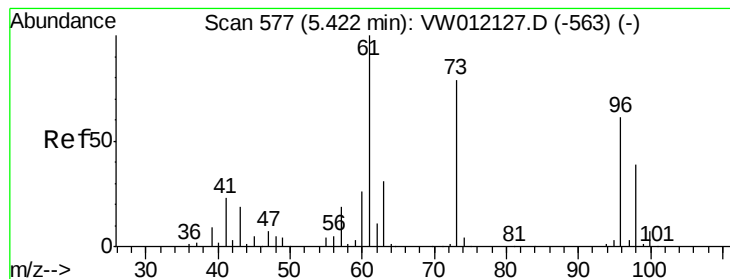
Tgt Ion: 73 Resp: 224464
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3



#20
Methylene Chloride
Concen: 65.562 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion: 84 Resp: 156727
Ion Ratio Lower Upper
84 100
49 153.9 117.8 176.8
51 45.9 35.6 53.4
86 62.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 52.749 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

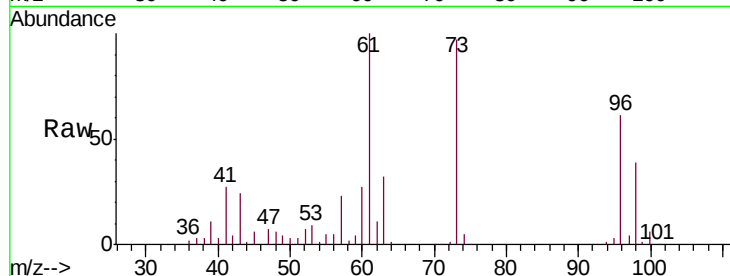
Tgt Ion: 96 Resp: 118069

Ion Ratio Lower Upper

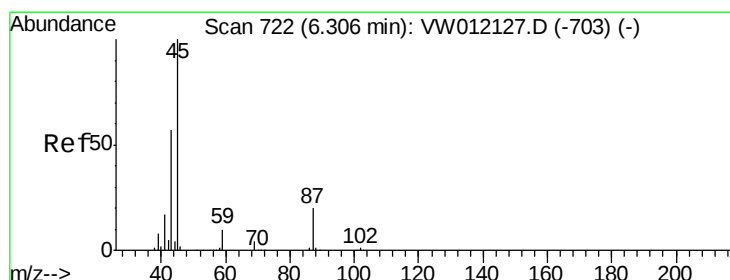
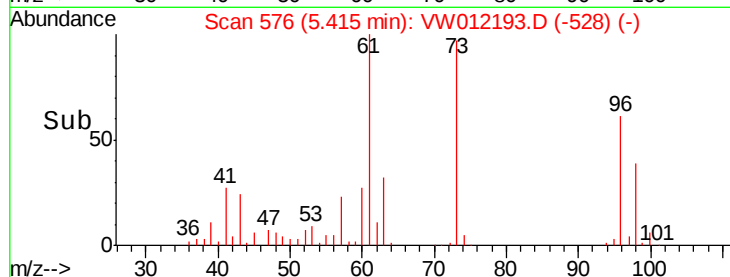
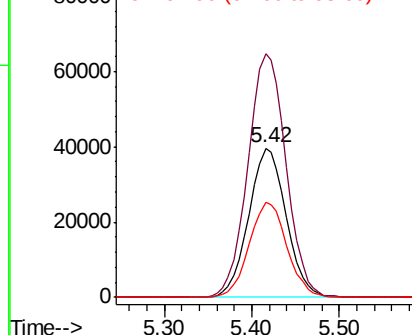
96 100

61 163.4 131.4 197.0

98 64.0 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: 62.708 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Tgt Ion: 45 Resp: 518677

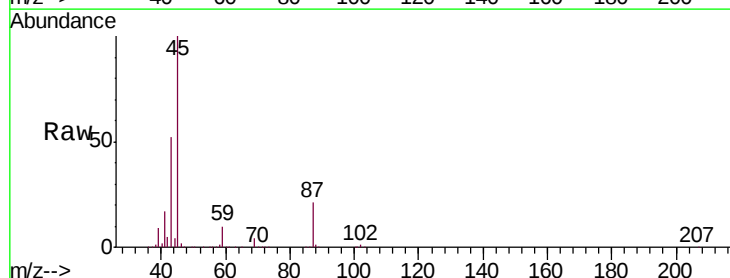
Ion Ratio Lower Upper

45 100

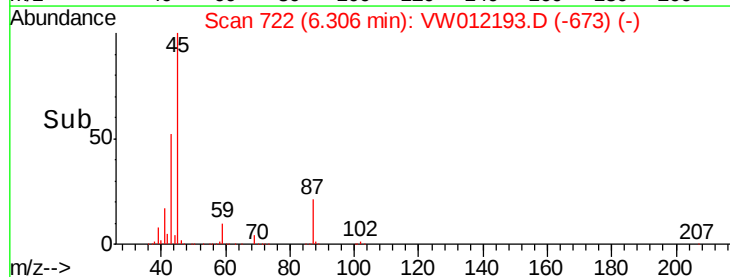
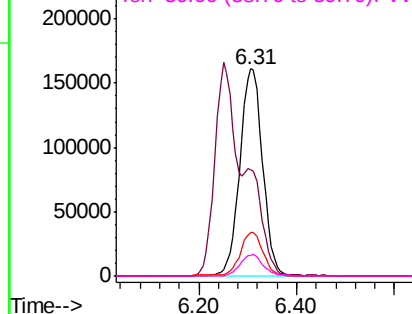
43 51.5 45.5 68.3

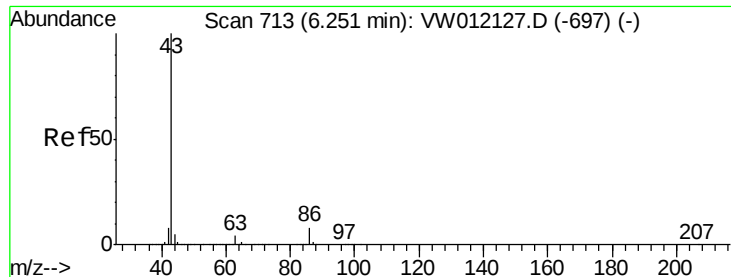
87 21.1 16.1 24.1

59 10.2 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





#23

Vinyl Acetate

Concen: 95.215 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

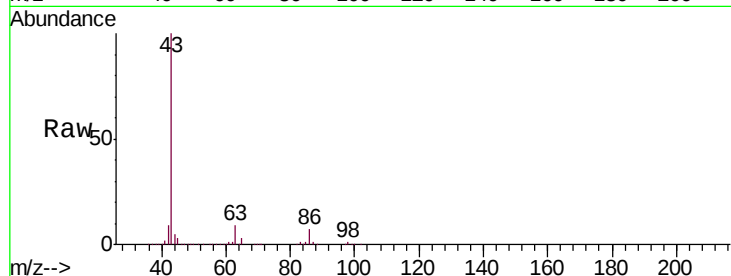
S602-M-1.0-1.5-082319MSD

Tgt Ion: 43 Resp: 484671

Ion Ratio Lower Upper

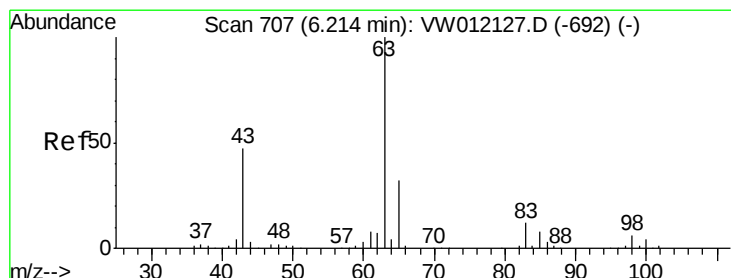
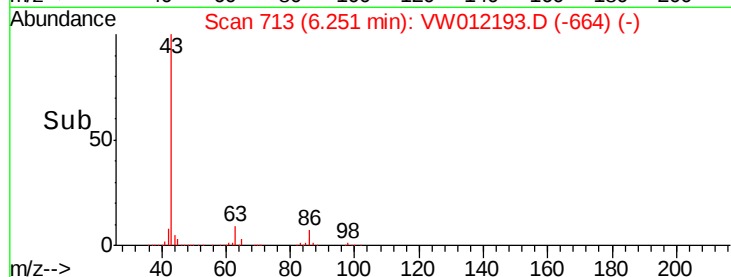
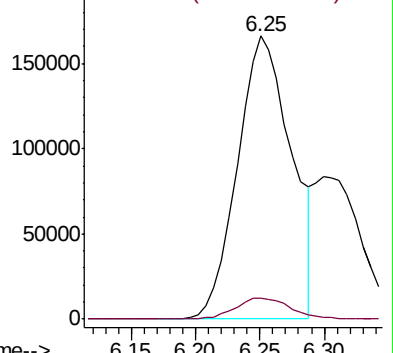
43 100

86 7.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 60.502 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

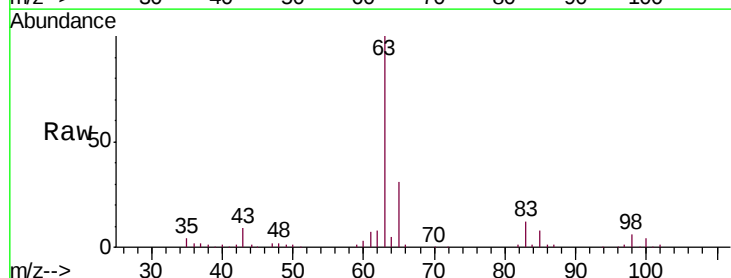
Tgt Ion: 63 Resp: 272477

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

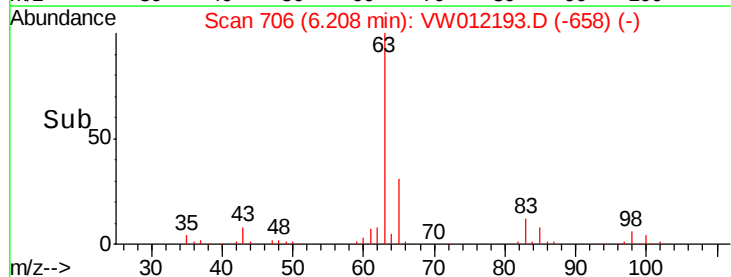
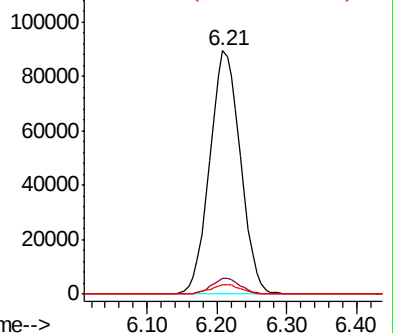
100 3.8 2.0 6.0

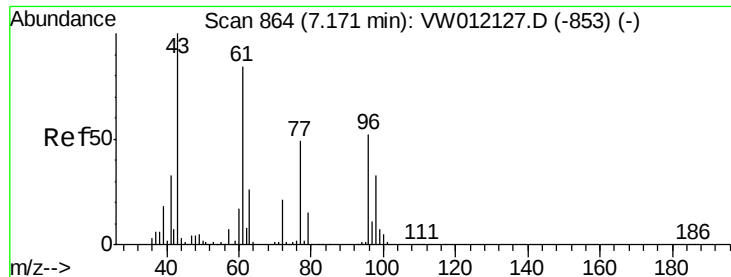


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 334.188 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

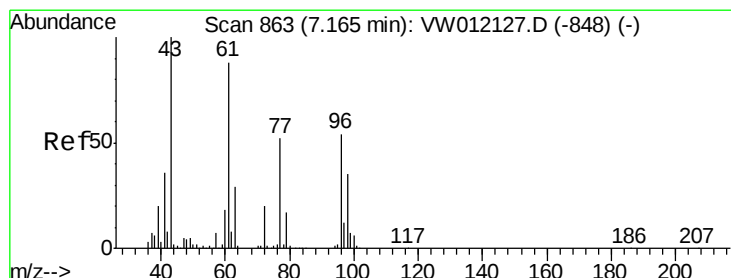
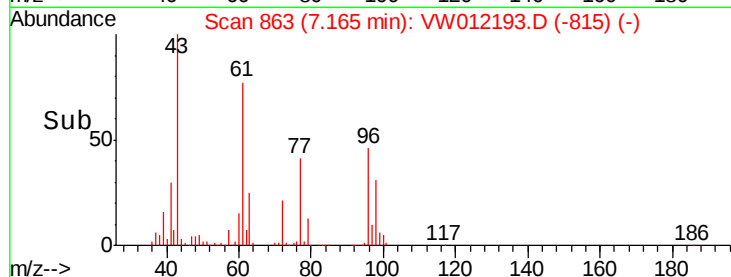
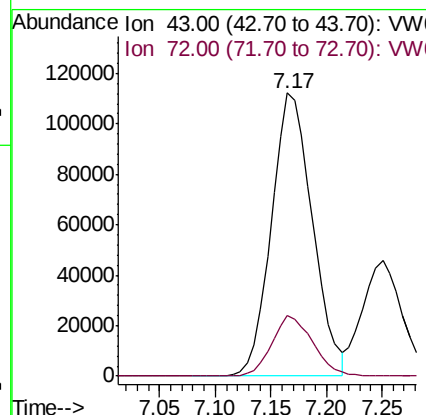
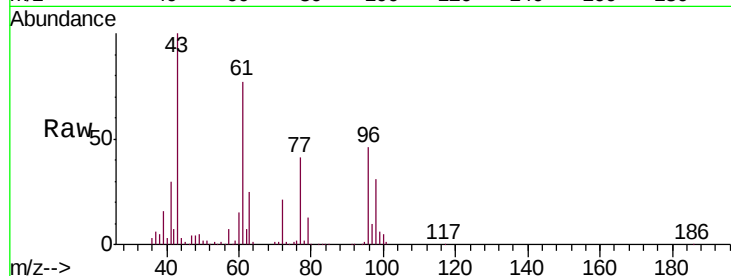
S602-M-1.0-1.5-082319MSD

Tgt Ion: 43 Resp: 287160

Ion Ratio Lower Upper

43 100

72 21.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 52.502 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012193.D

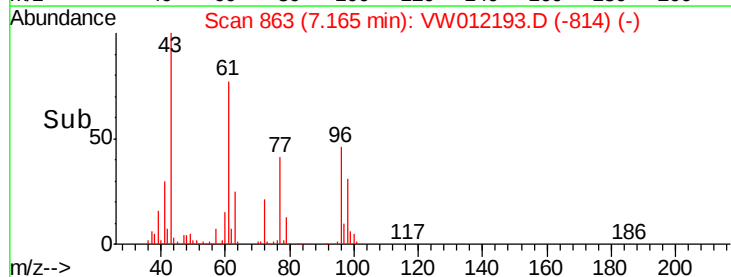
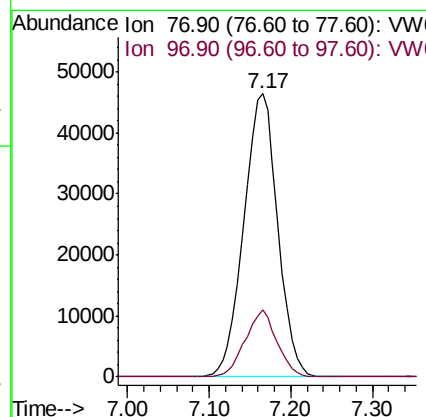
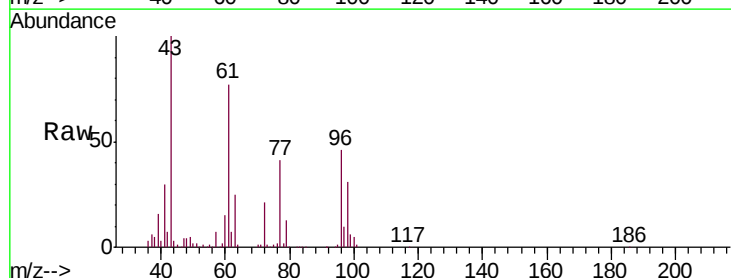
Acq: 27 Aug 2019 01:07

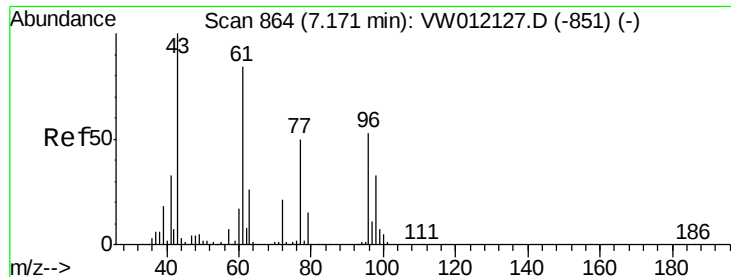
Tgt Ion: 77 Resp: 133833

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1

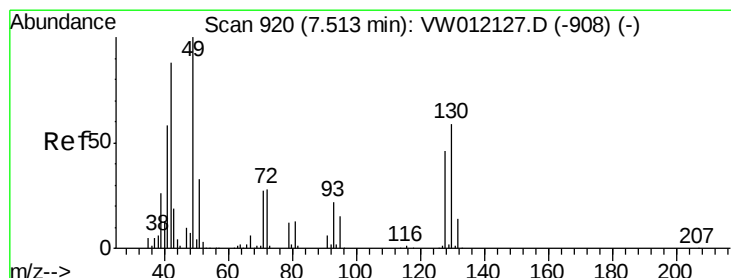
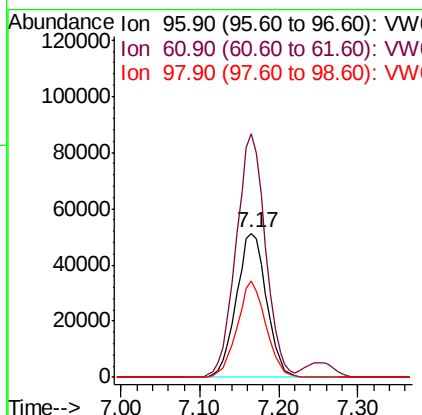
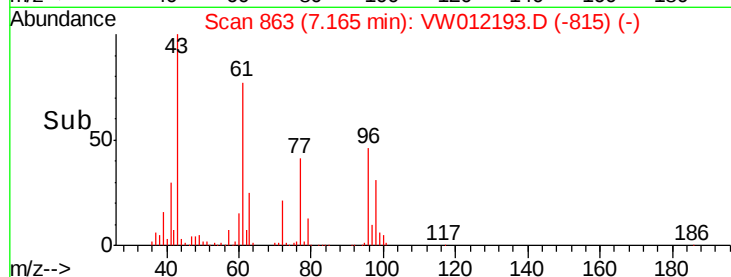
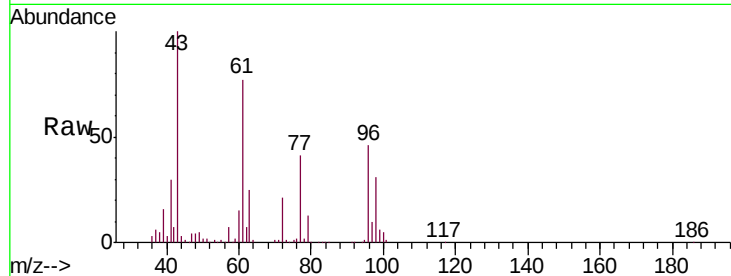




#27
 cis-1,2-Dichloroethene
 Concen: 56.839 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

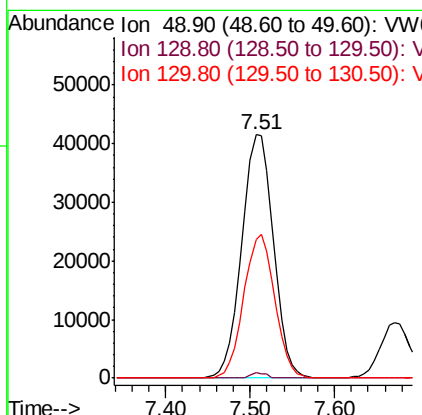
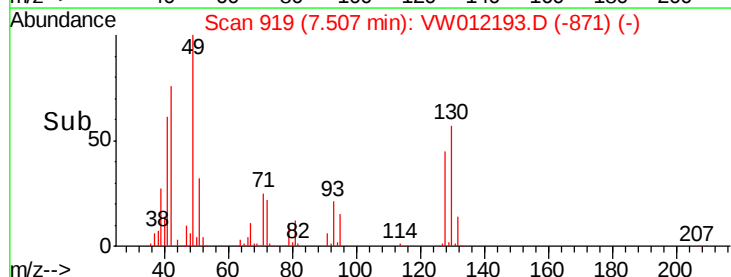
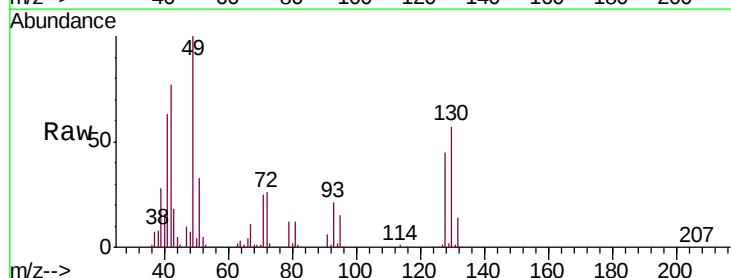
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

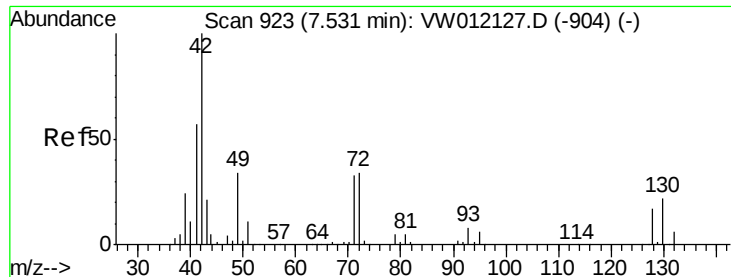
Tgt Ion: 96 Resp: 135927
 Ion Ratio Lower Upper
 96 100
 61 165.3 0.0 326.6
 98 63.8 0.0 127.4



#28
 Bromochloromethane
 Concen: 53.874 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 49 Resp: 105749
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 1.4
 130 57.8 45.5 68.3

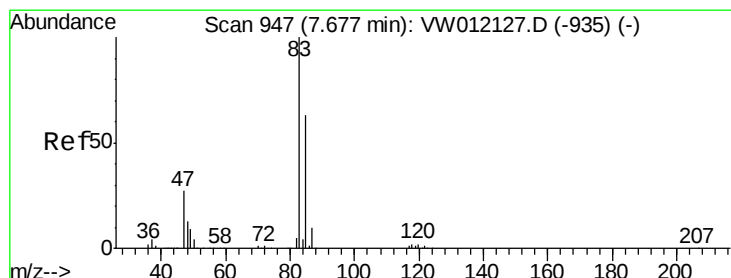
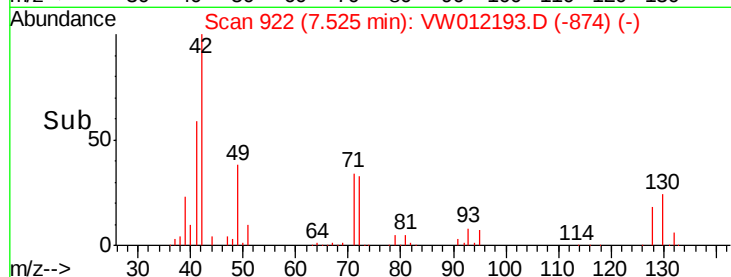
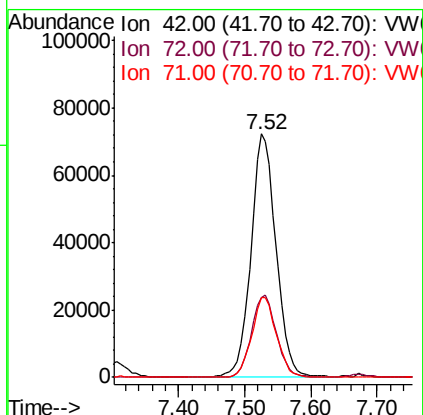
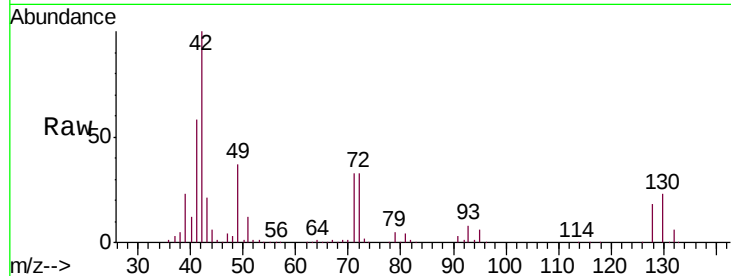




#29
Tetrahydrofuran
Concen: 370.316 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

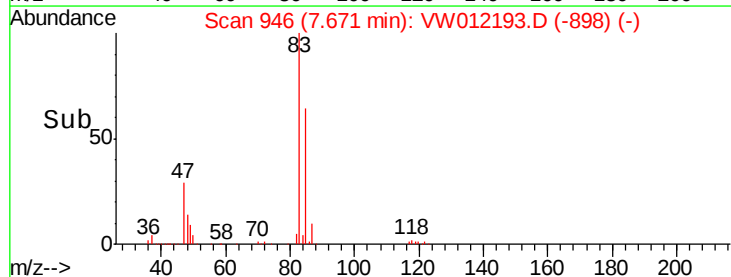
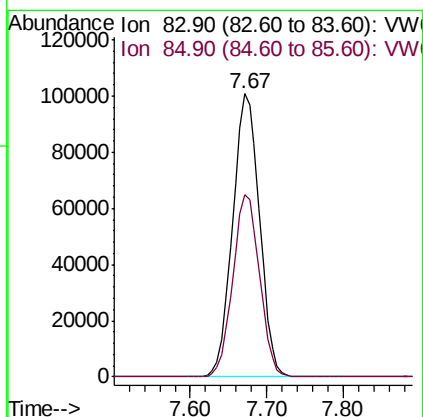
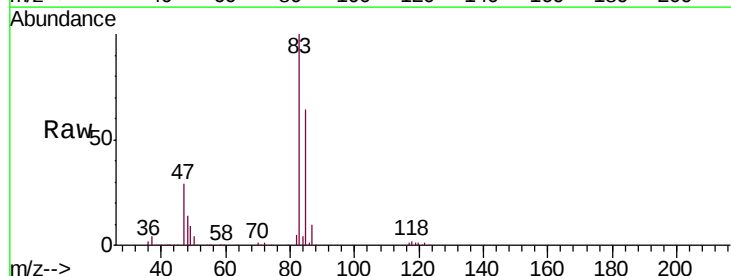
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

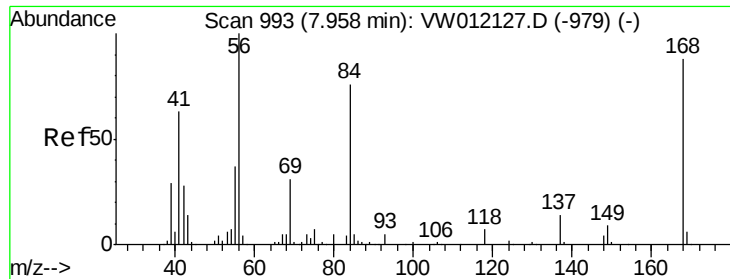
Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.3	40.9
71	32.4	25.5	38.3



#30
Chloroform
Concen: 59.502 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	76.0

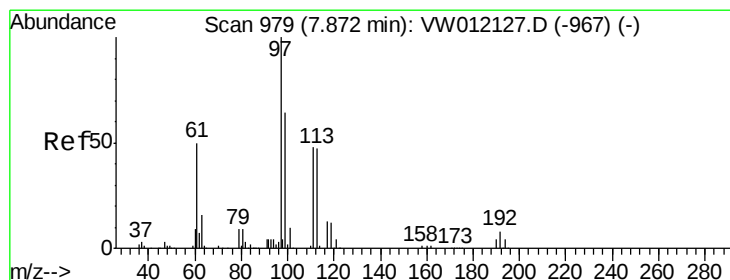
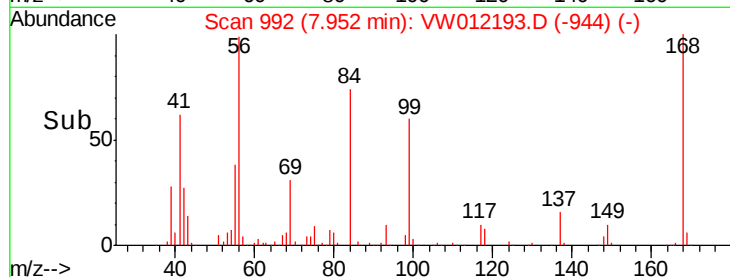
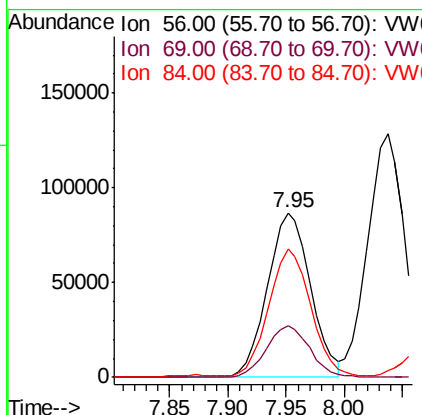
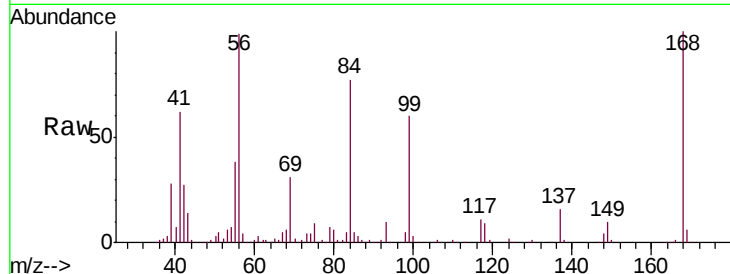




#31
Cyclohexane
Concen: 49.916 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

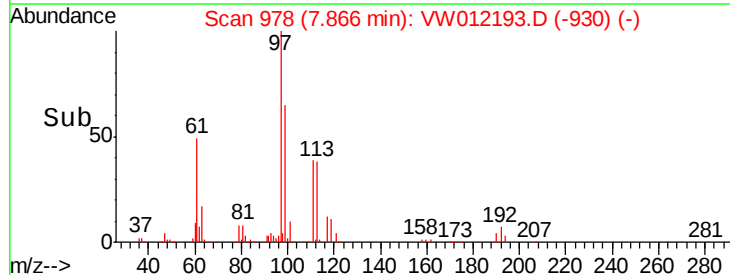
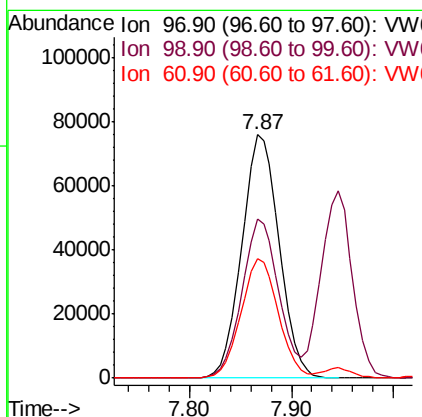
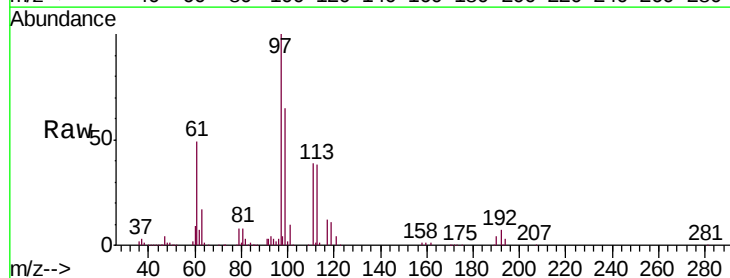
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

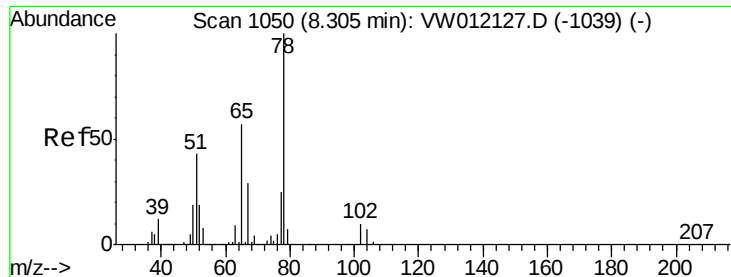
Tgt Ion: 56 Resp: 222412
Ion Ratio Lower Upper
56 100
69 31.4 24.9 37.3
84 76.5 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 59.236 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion: 97 Resp: 193079
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 49.4 39.5 59.3

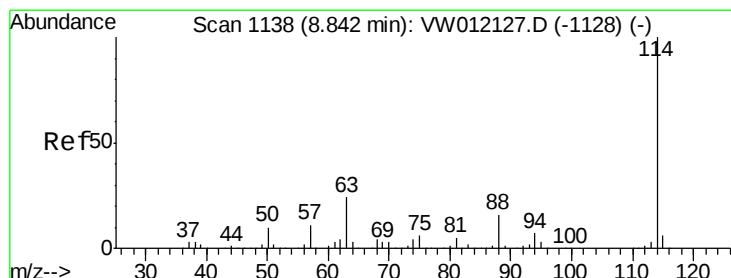
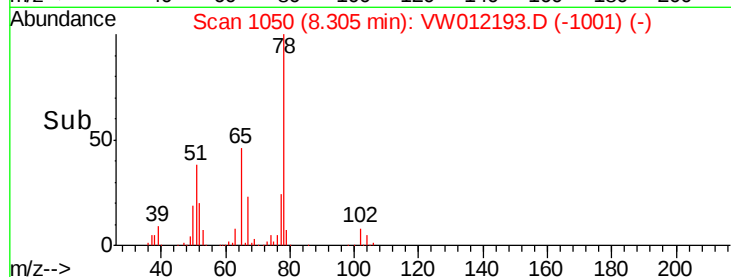
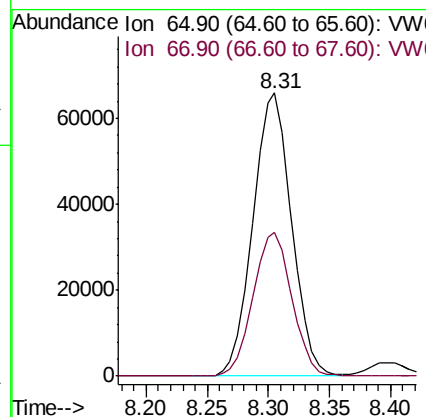
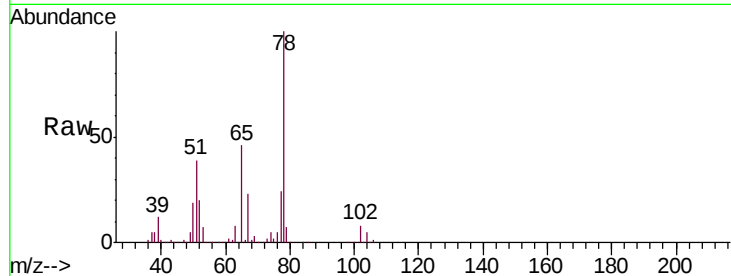




#33
 1,2-Dichloroethane-d4
 Concen: 58.542 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

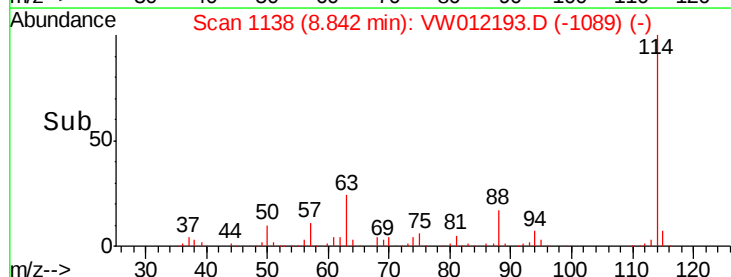
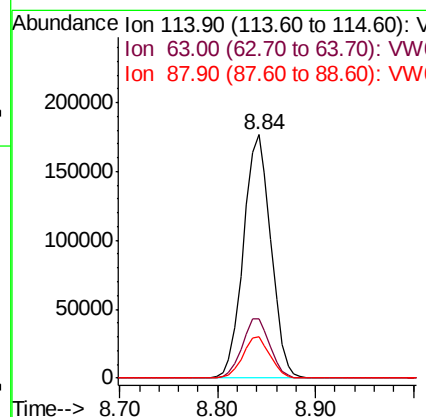
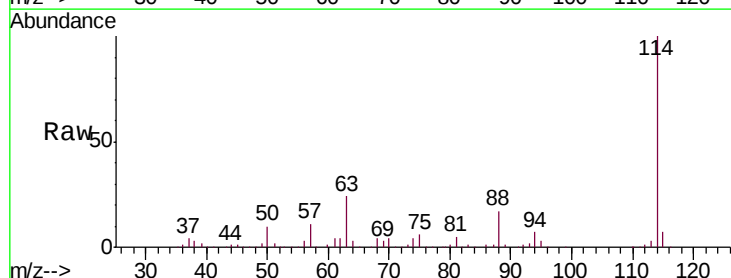
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

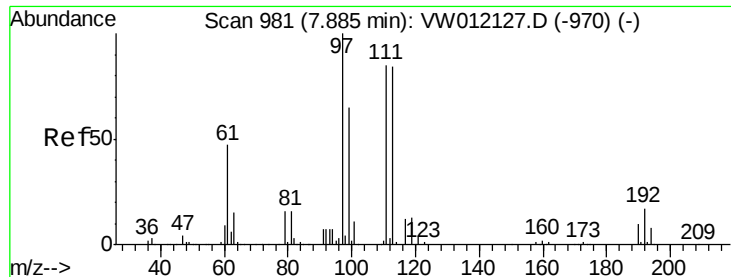
Tgt Ion: 65 Resp: 144817
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 114 Resp: 344238
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.6
 88 17.2 0.0 32.2

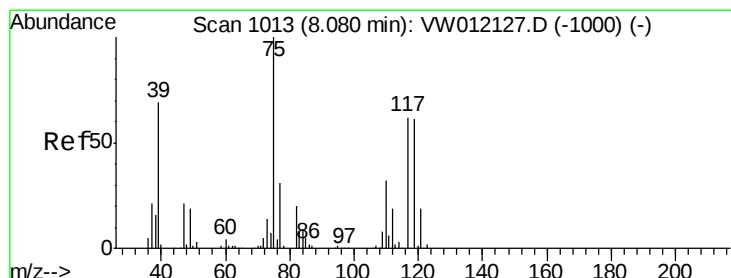
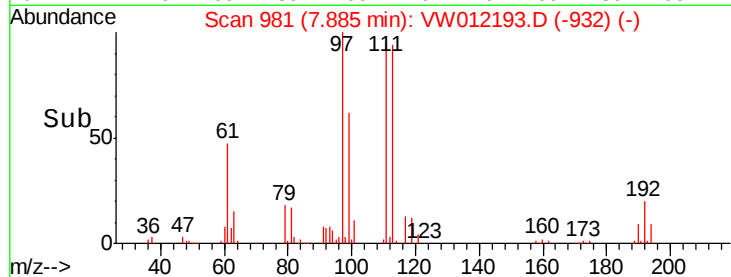
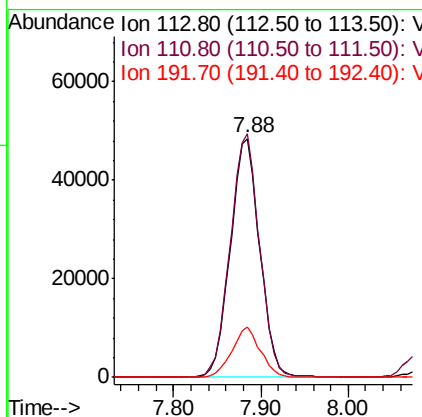
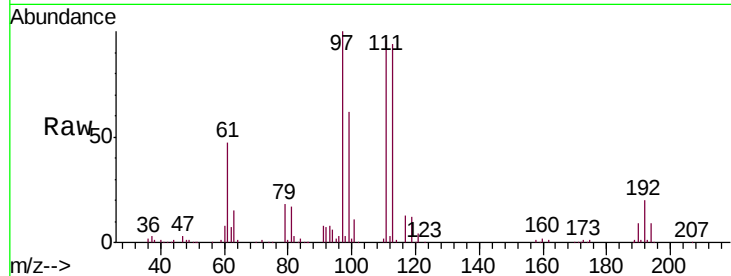




#35
 Dibromofluoromethane
 Concen: 55.103 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

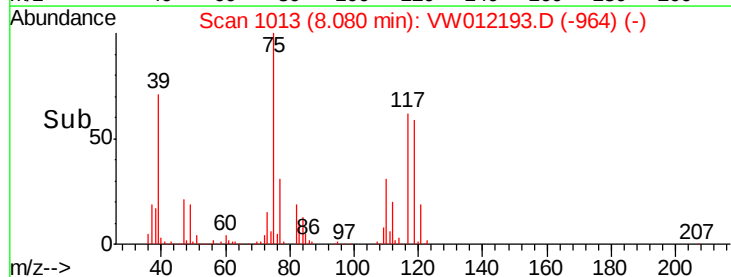
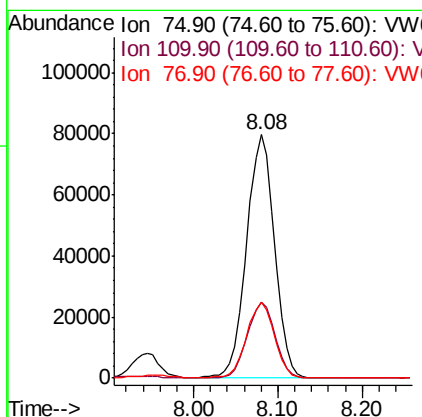
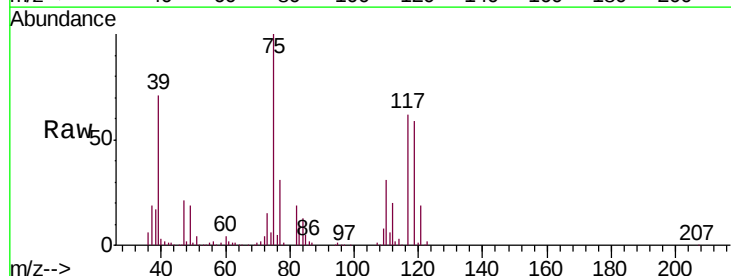
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

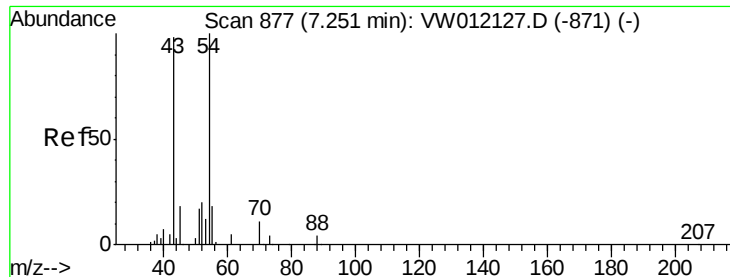
Tgt Ion: 113 Resp: 113223
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.7 124.1
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 50.194 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 75 Resp: 178556
 Ion Ratio Lower Upper
 75 100
 110 31.1 15.6 46.8
 77 31.2 24.6 36.8

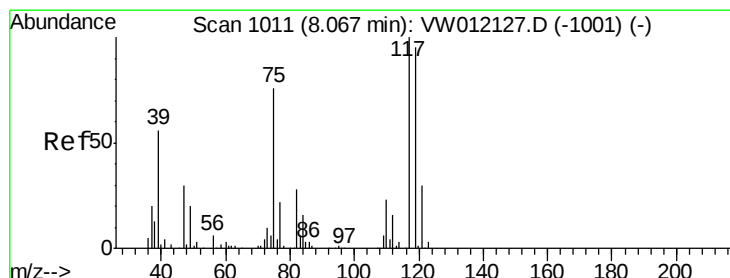
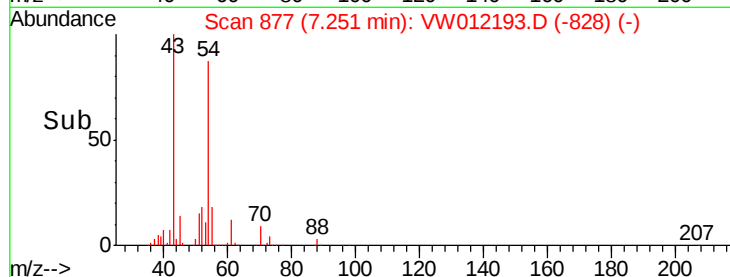
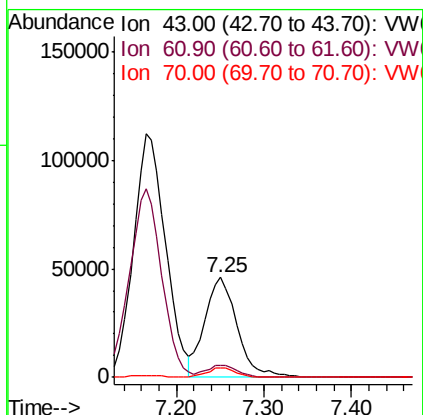
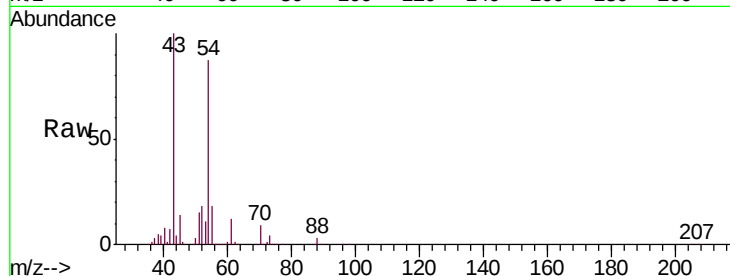




#37
Ethyl Acetate
Concen: 60.347 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

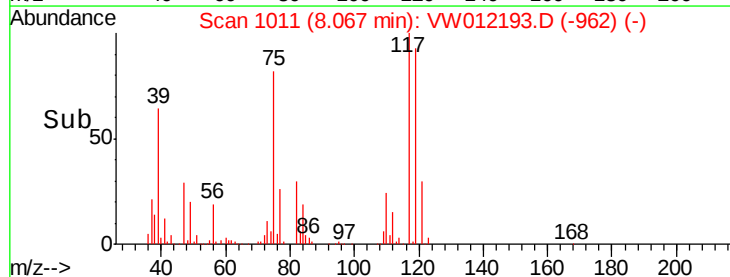
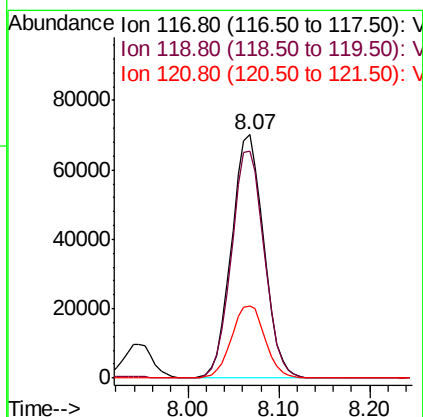
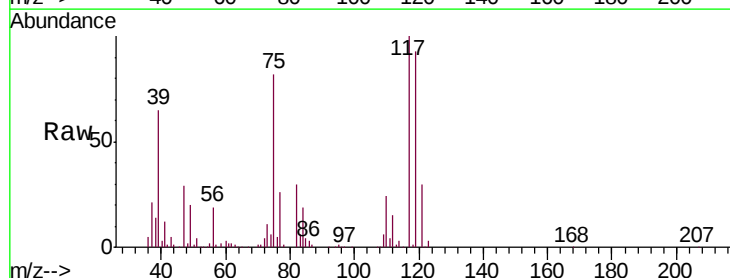
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

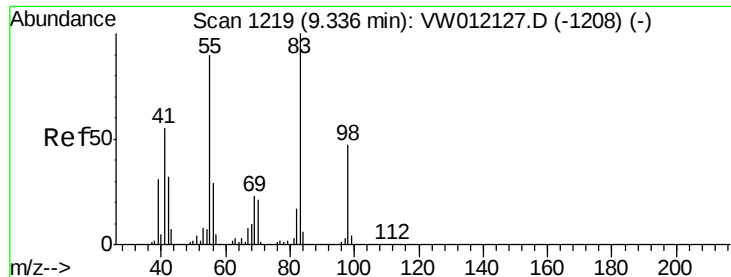
Tgt Ion: 43 Resp: 117638
Ion Ratio Lower Upper
43 100
61 11.3 9.2 13.8
70 8.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 56.210 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion: 117 Resp: 173065
Ion Ratio Lower Upper
117 100
119 93.4 76.2 114.2
121 29.7 23.8 35.8

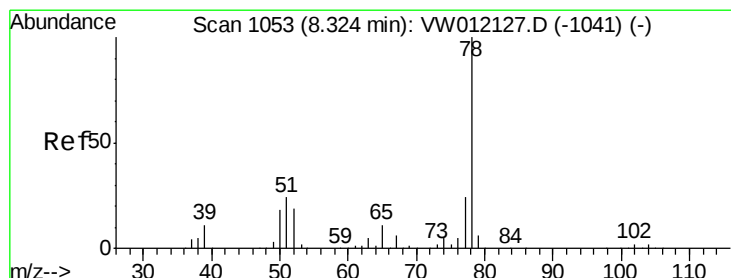
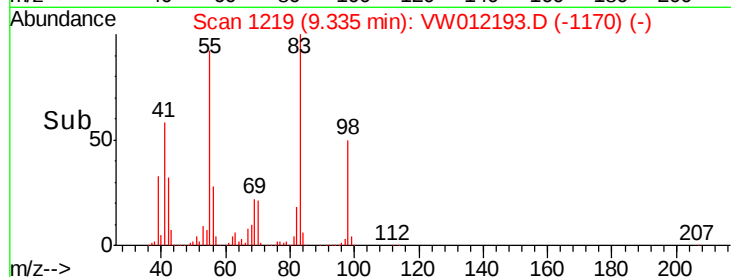
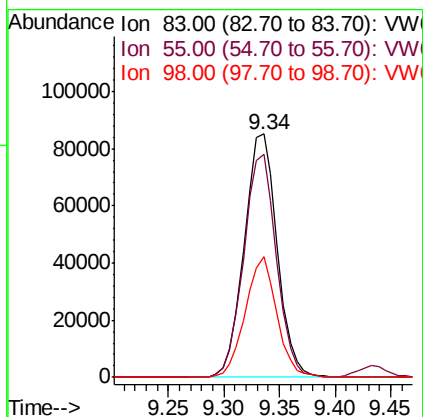
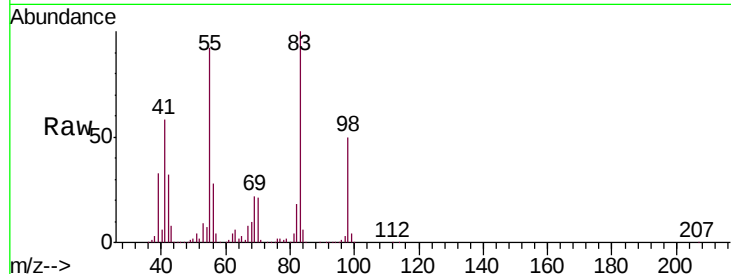




#39
Methylcyclohexane
Concen: 44.039 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

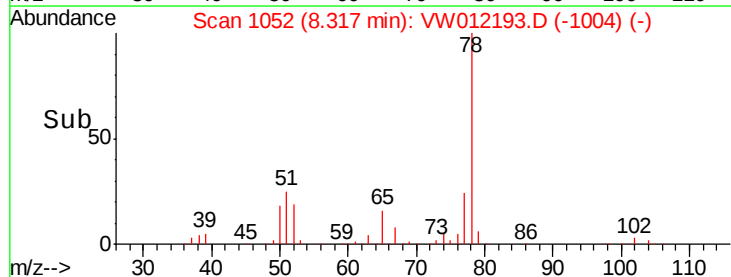
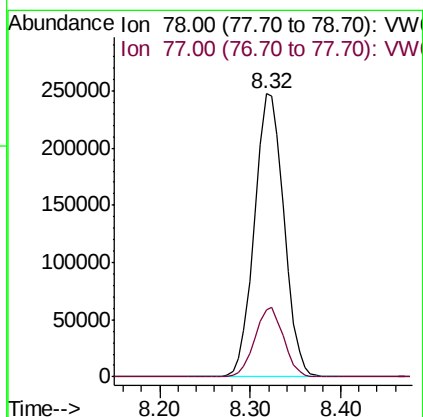
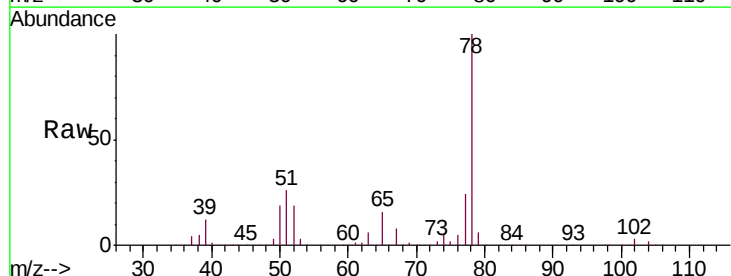
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

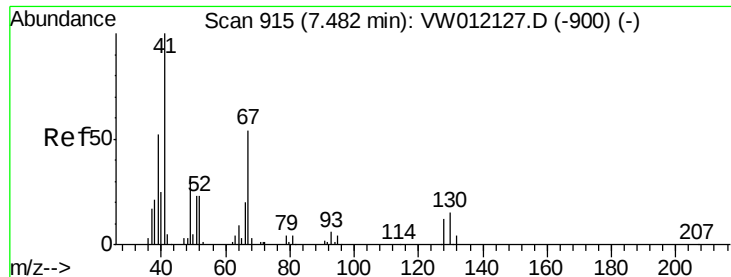
Tgt Ion: 83 Resp: 175995
Ion Ratio Lower Upper
83 100
55 91.8 71.8 107.8
98 49.7 37.8 56.8



#40
Benzene
Concen: 57.267 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion: 78 Resp: 556262
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3





#41

Methacrylonitrile

Concen: 67.219 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

Tgt Ion: 41 Resp: 77013

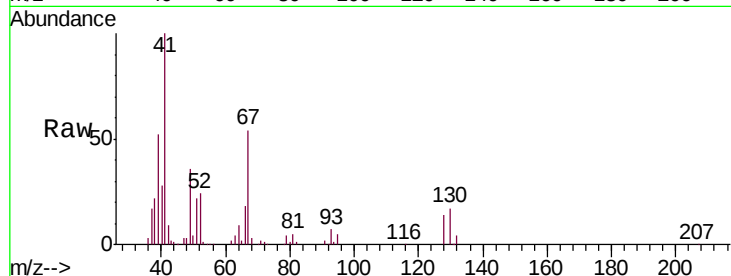
Ion Ratio Lower Upper

41 100

39 52.0 45.8 68.8

67 54.9 46.2 69.4

52 24.9 21.0 31.6

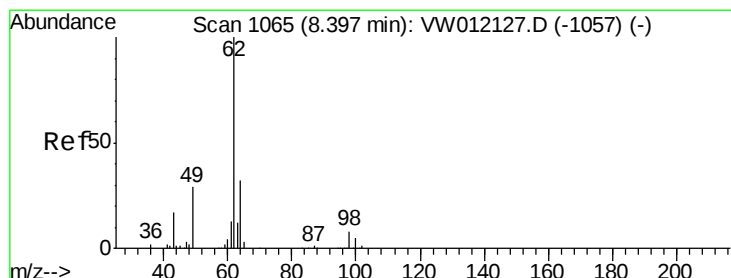
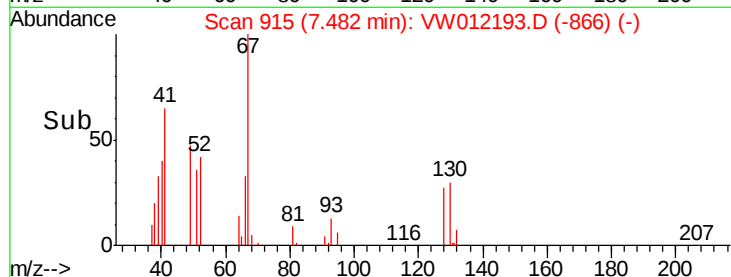
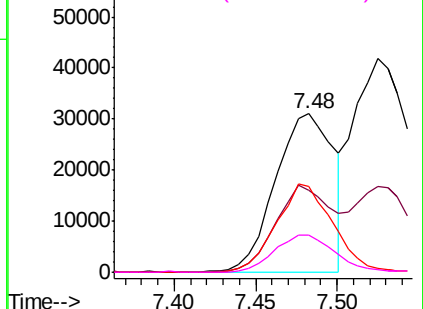


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 59.126 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012193.D

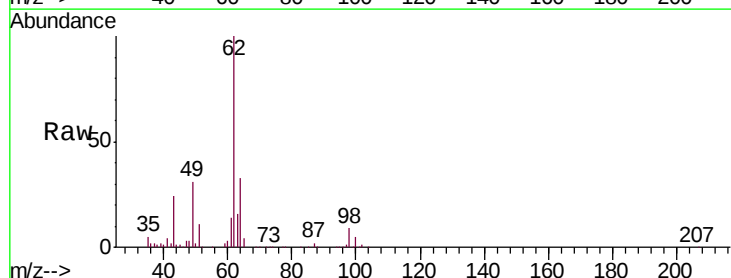
Acq: 27 Aug 2019 01:07

Tgt Ion: 62 Resp: 179997

Ion Ratio Lower Upper

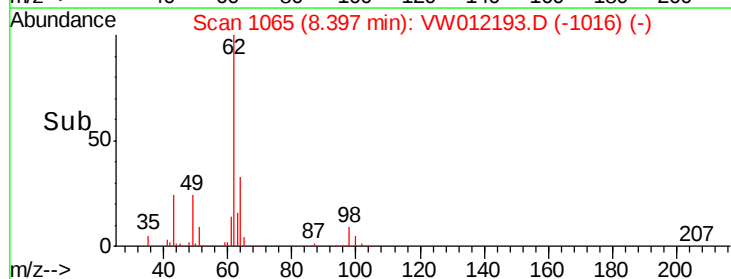
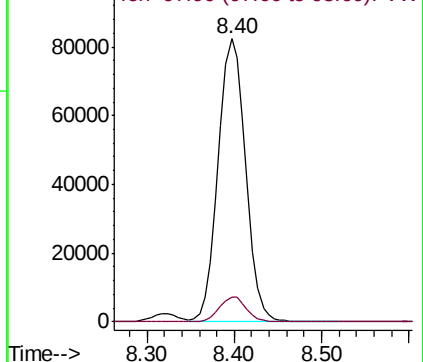
62 100

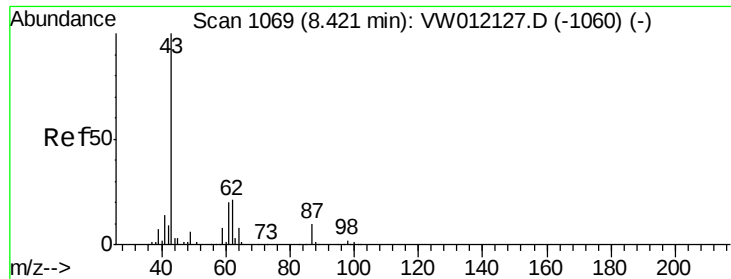
98 8.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 63.723 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

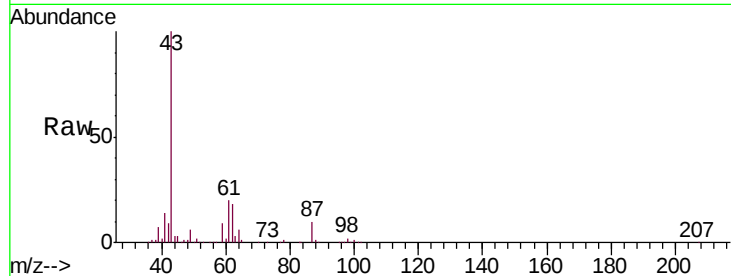
Tgt Ion: 43 Resp: 230091

Ion Ratio Lower Upper

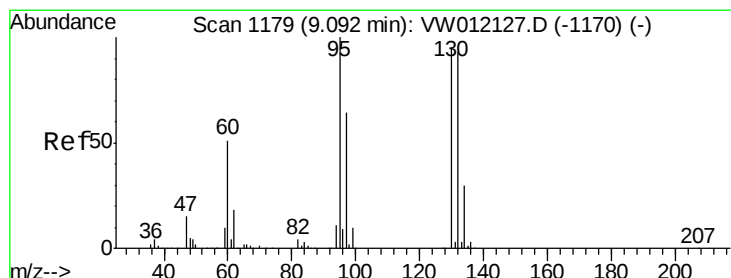
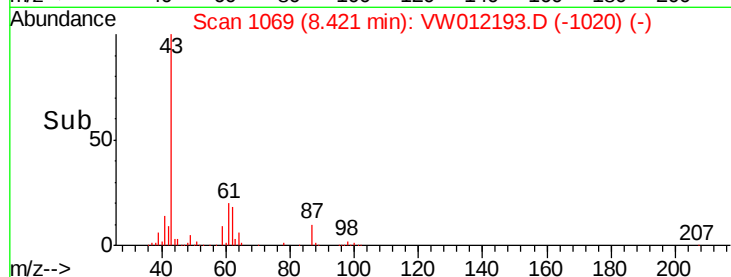
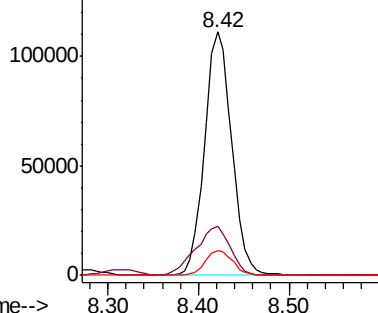
43 100

61 26.2 21.1 31.7

87 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW
150000 Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.795 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012193.D

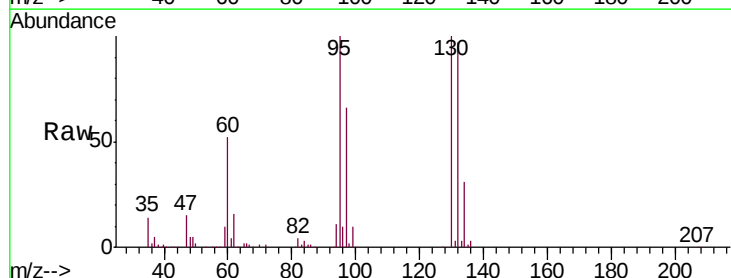
Acq: 27 Aug 2019 01:07

Tgt Ion: 130 Resp: 119942

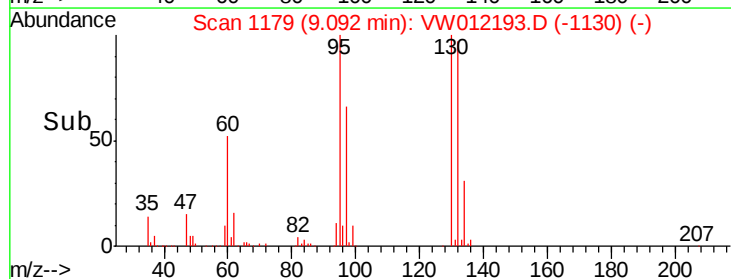
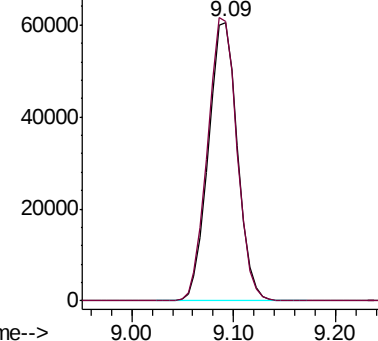
Ion Ratio Lower Upper

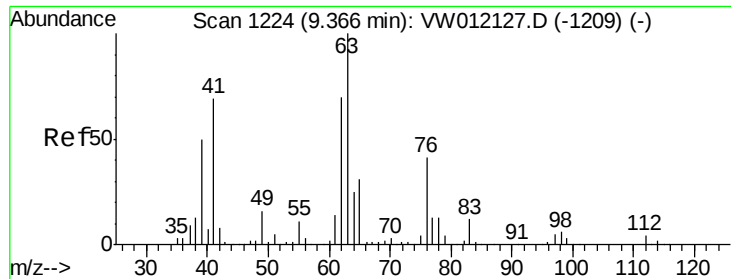
130 100

95 100.2 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

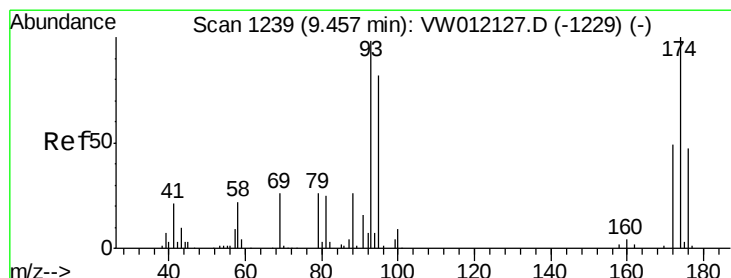
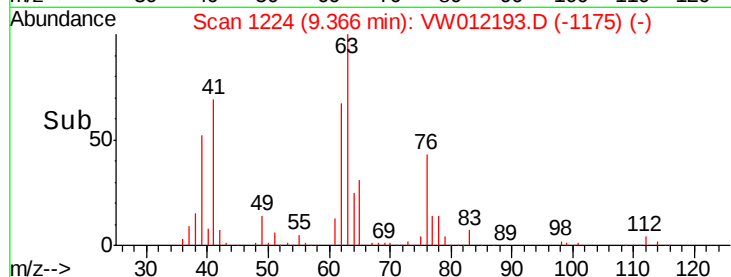
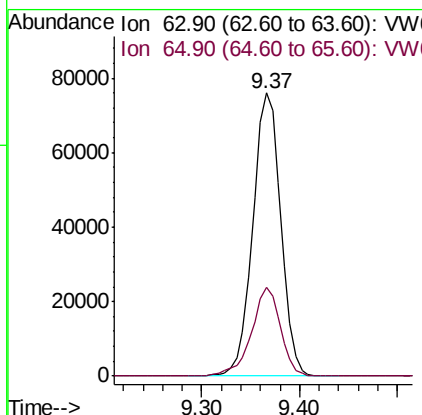
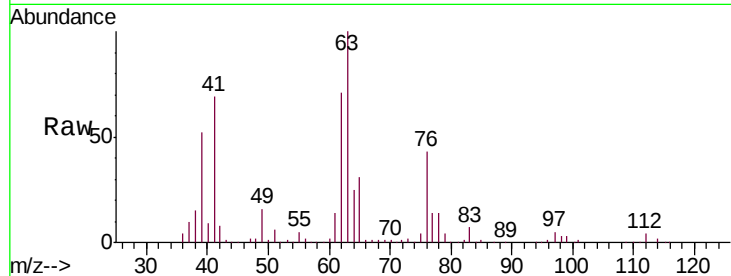




#45
 1,2-Dichloropropane
 Concen: 58.005 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

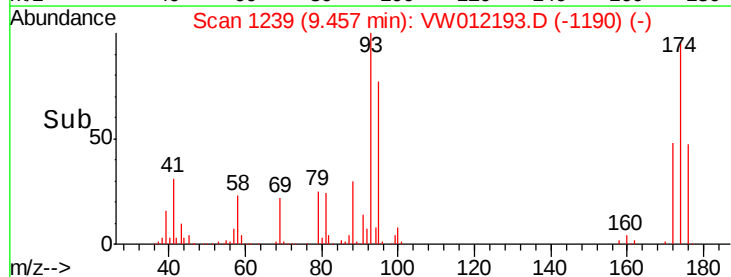
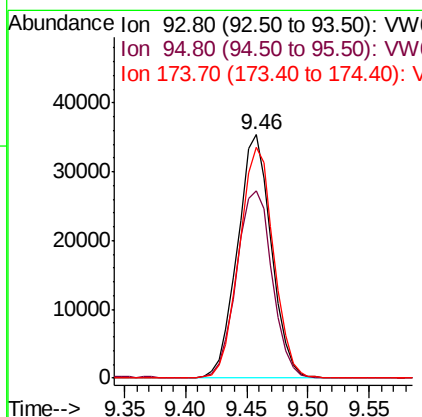
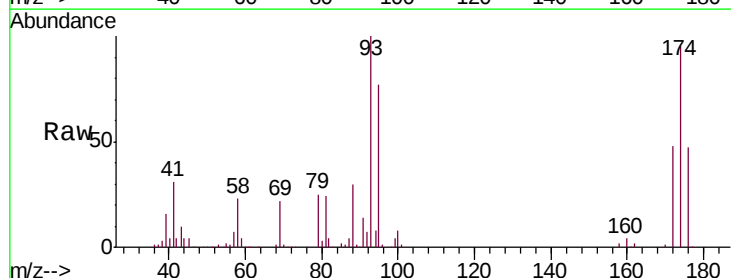
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

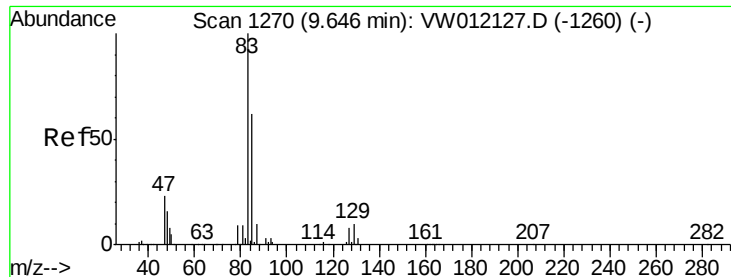
Tgt Ion: 63 Resp: 151635
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4



#46
 Dibromomethane
 Concen: 58.458 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 93 Resp: 67994
 Ion Ratio Lower Upper
 93 100
 95 80.8 67.2 100.8
 174 96.4 79.0 118.6





#47

Bromodichloromethane

Concen: 57.909 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

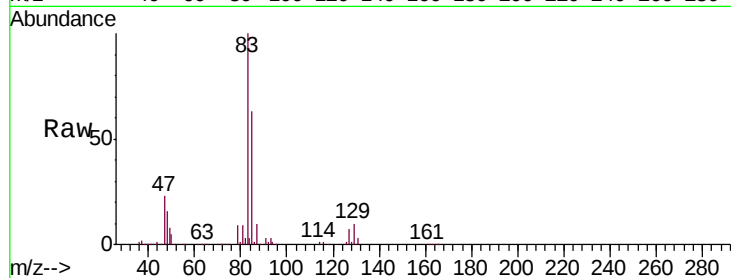
Tgt Ion: 83 Resp: 179262

Ion Ratio Lower Upper

83 100

85 63.1 49.4 74.2

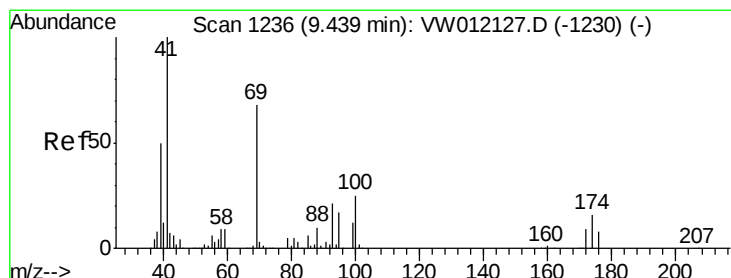
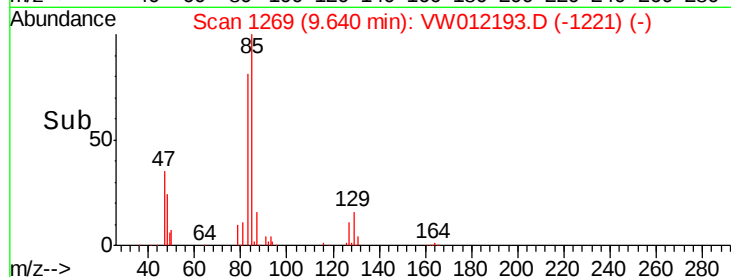
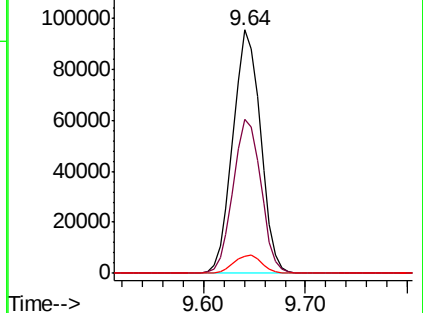
127 7.1 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 66.196 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

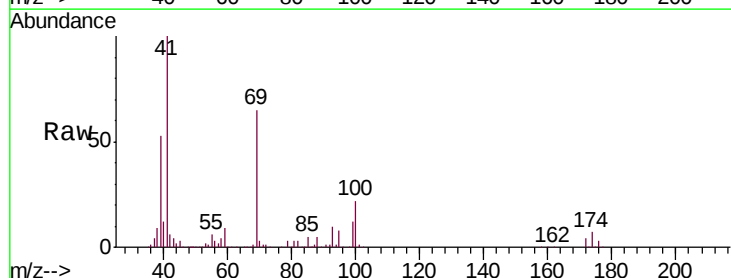
Tgt Ion: 41 Resp: 113762

Ion Ratio Lower Upper

41 100

69 72.6 56.7 85.1

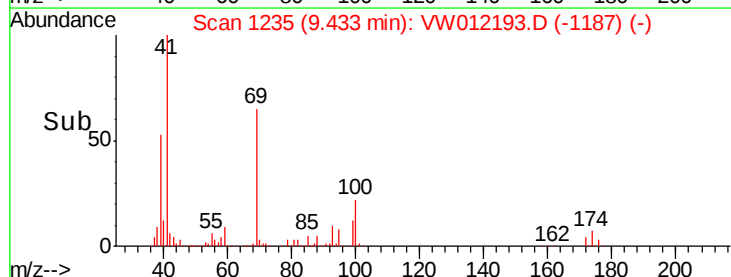
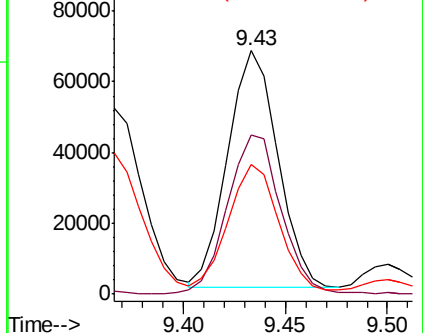
39 57.2 42.0 63.0

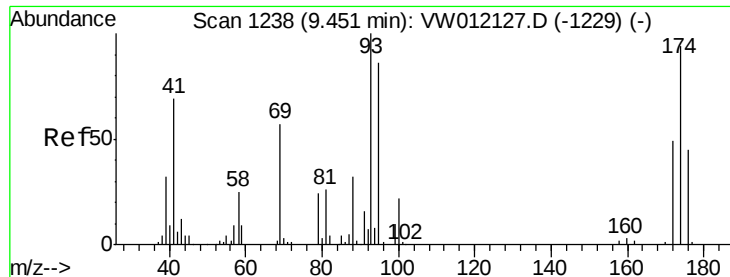


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1309.659 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

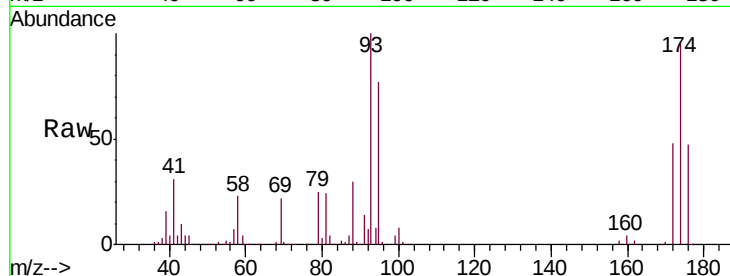
Tgt Ion: 88 Resp: 23320

Ion Ratio Lower Upper

88 100

43 39.1 32.9 49.3

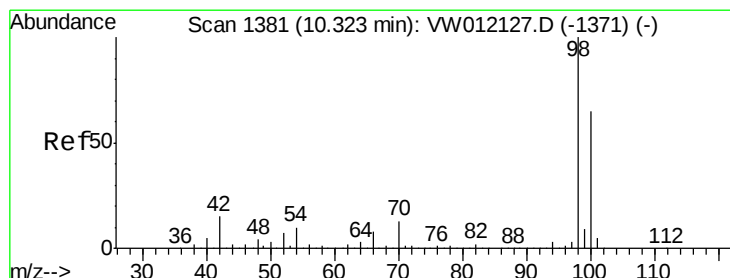
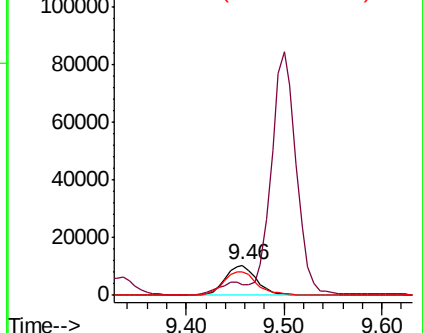
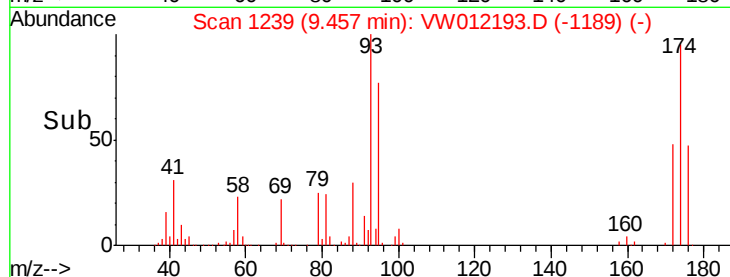
58 86.3 71.0 106.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.872 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012193.D

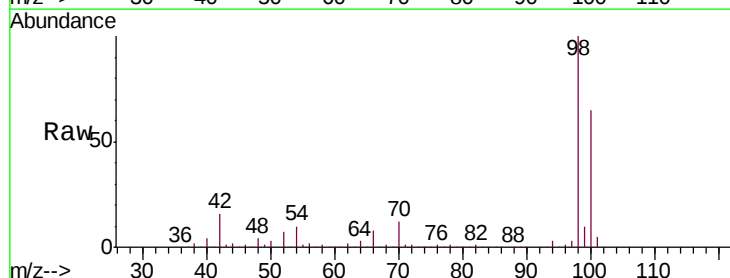
Acq: 27 Aug 2019 01:07

Tgt Ion: 98 Resp: 432167

Ion Ratio Lower Upper

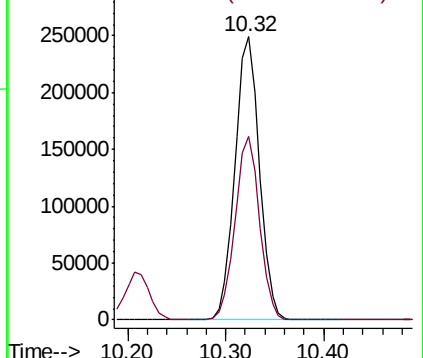
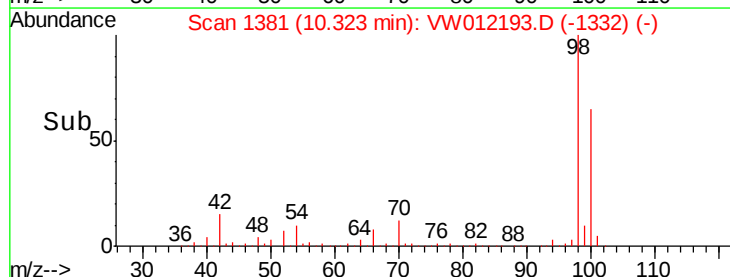
98 100

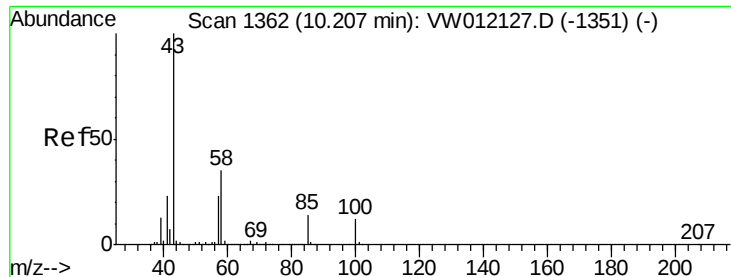
100 64.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

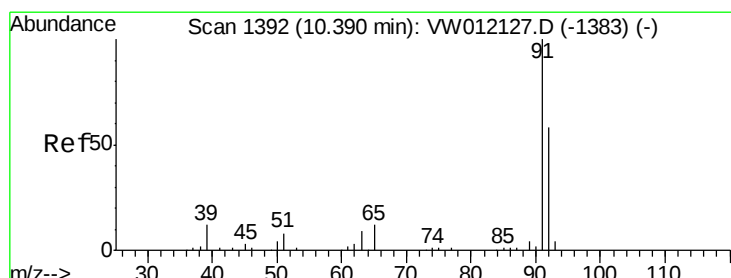
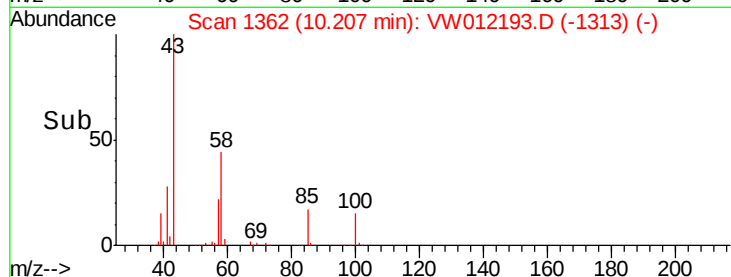
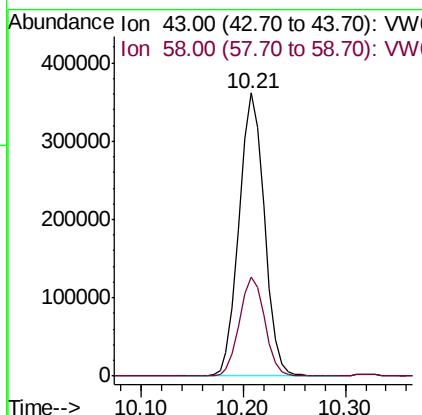
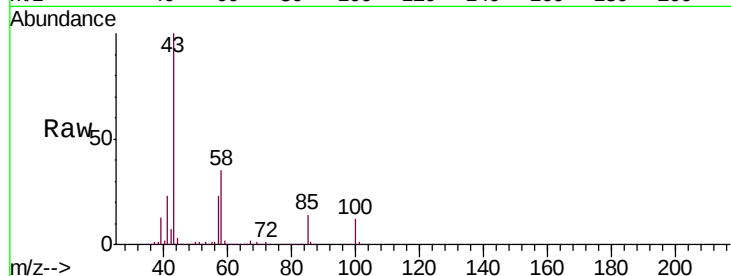




#51
 4-Methyl-2-Pentanone
 Concen: 338.353 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

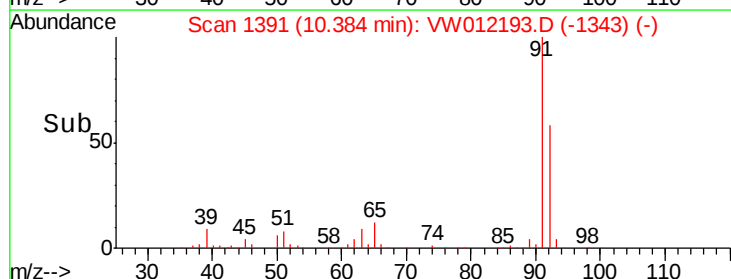
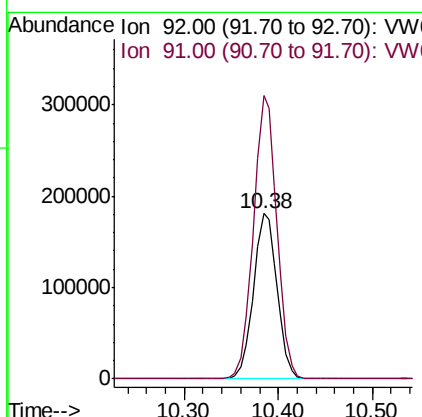
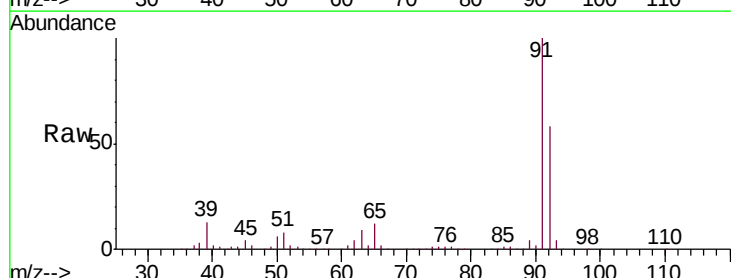
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

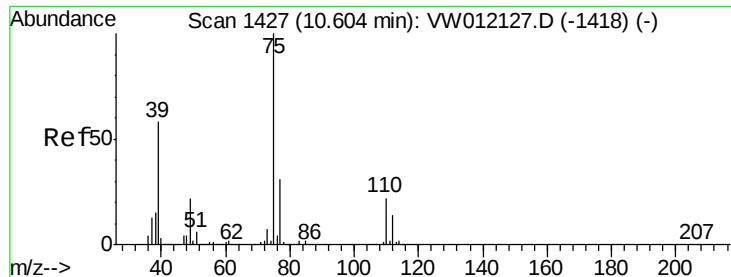
Tgt Ion: 43 Resp: 621407
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.2 42.2



#52
 Toluene
 Concen: 54.661 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 92 Resp: 318966
 Ion Ratio Lower Upper
 92 100
 91 170.4 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 49.203 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

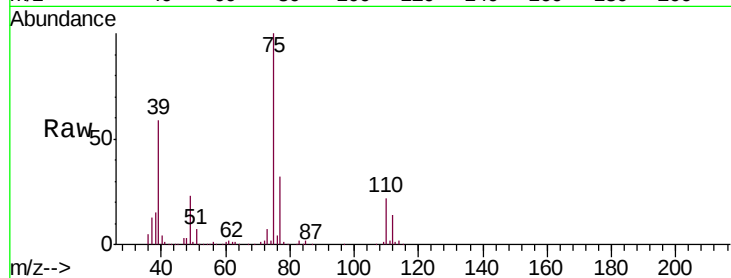
S602-M-1.0-1.5-082319MSD

Tgt Ion: 75 Resp: 155150

Ion Ratio Lower Upper

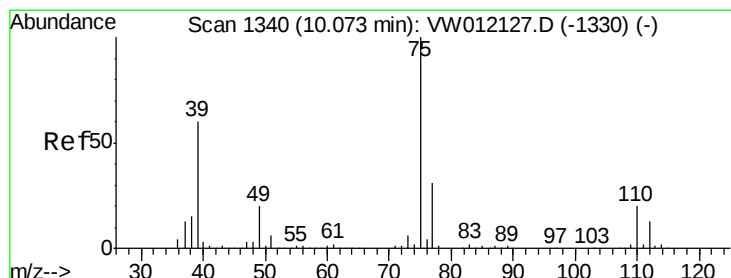
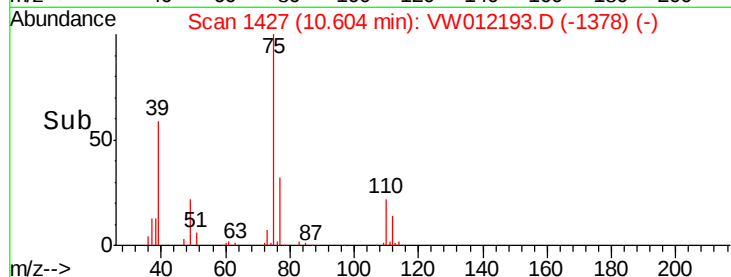
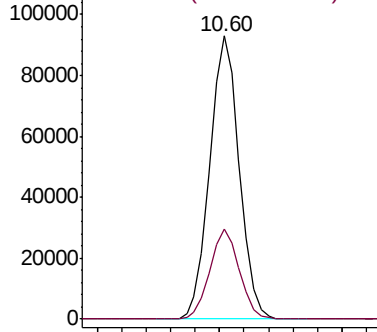
75 100

77 31.9 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: 52.389 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

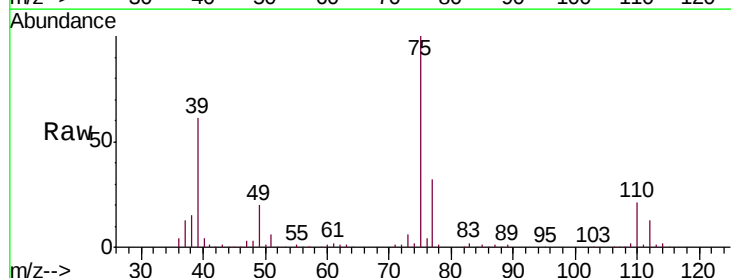
Tgt Ion: 75 Resp: 199465

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

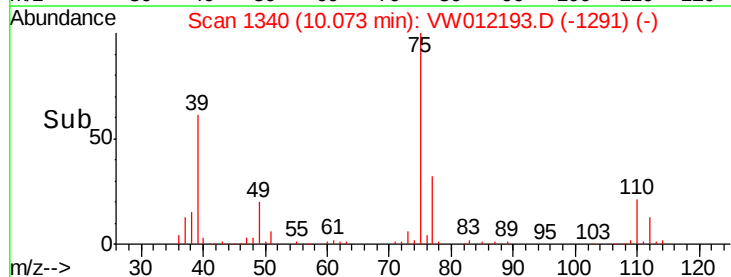
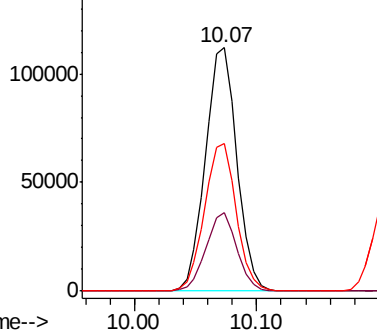
39 60.5 48.3 72.5

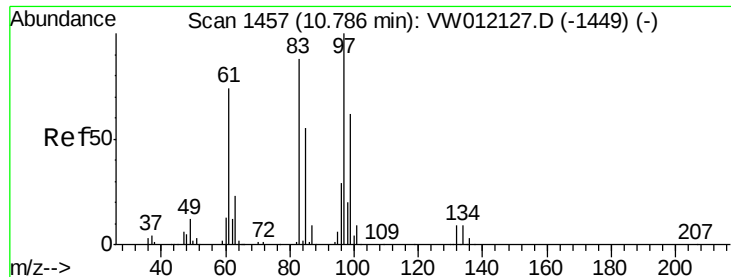


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

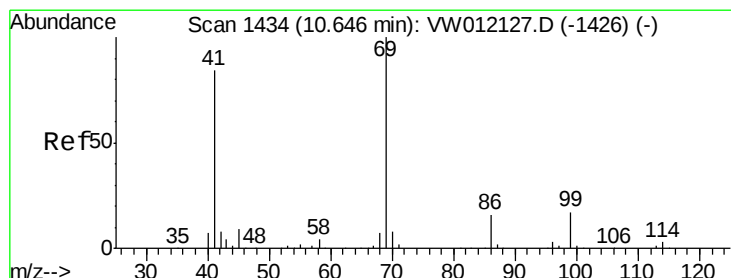
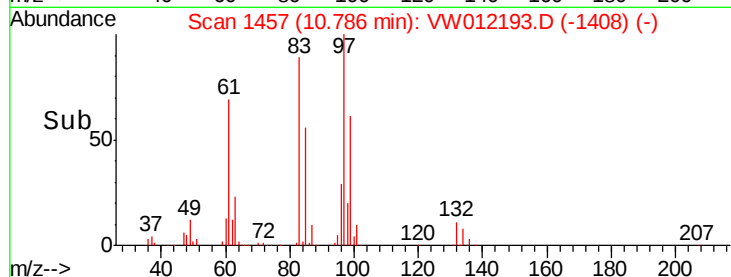
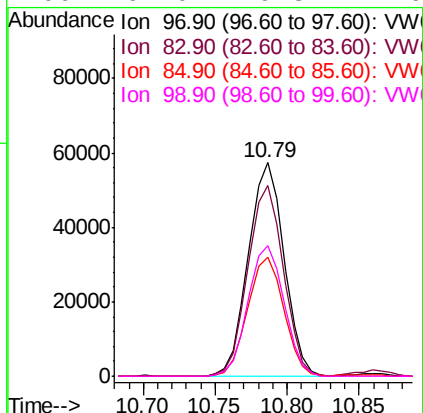
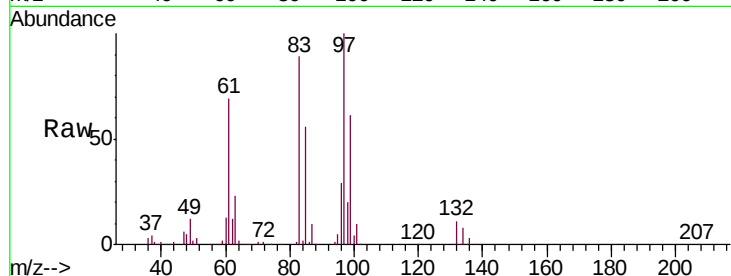




#55
 1,1,2-Trichloroethane
 Concen: 59.829 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

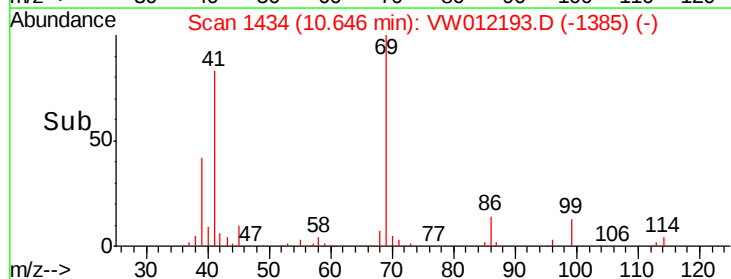
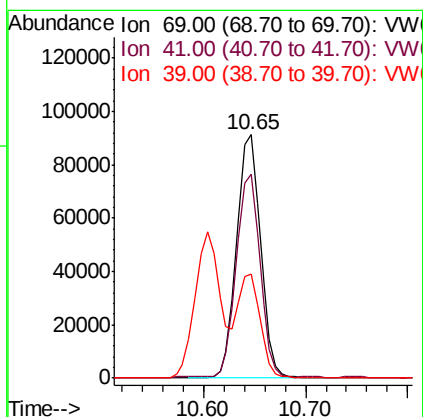
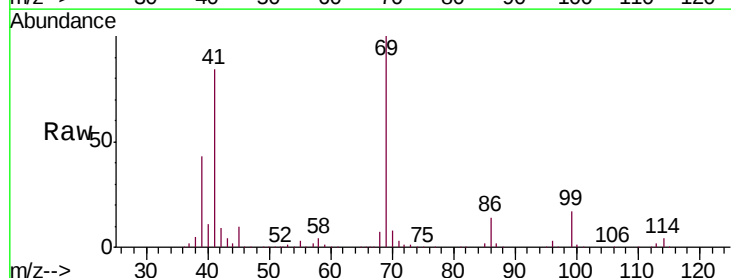
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

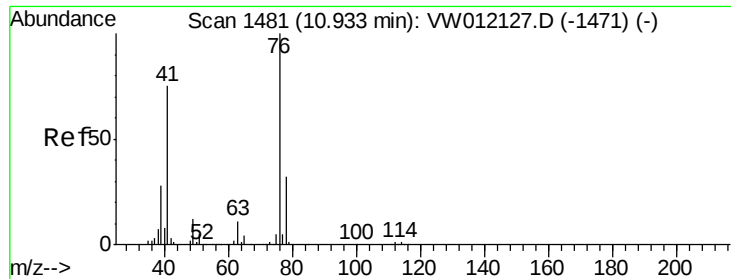
Tgt Ion:	97	Resp:	98459
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.8	106.2
85	55.8	43.8	65.8
99	61.0	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 61.821 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion:	69	Resp:	148069
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.5	99.7
39	38.1	31.0	46.4

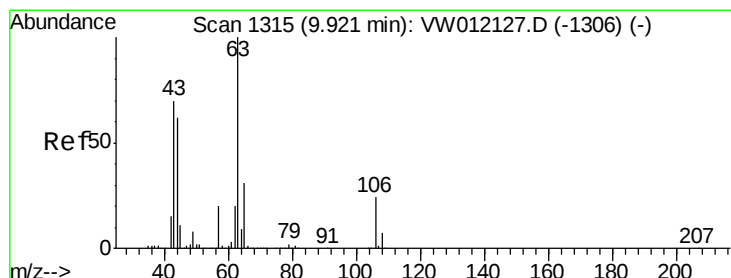
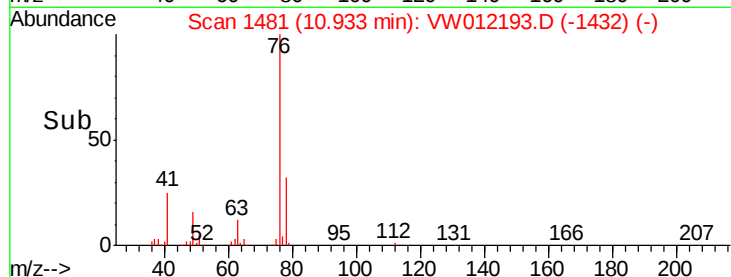
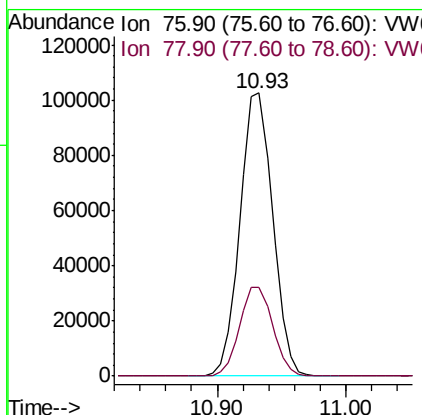
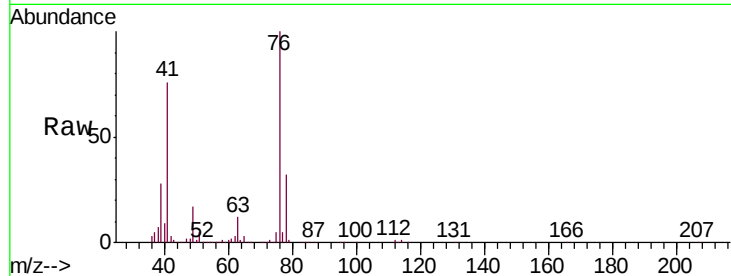




#57
 1,3-Dichloropropane
 Concen: 58.114 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

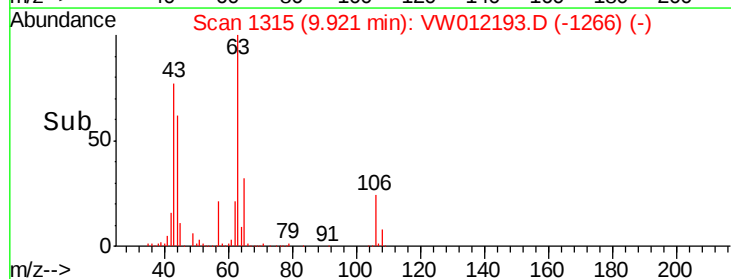
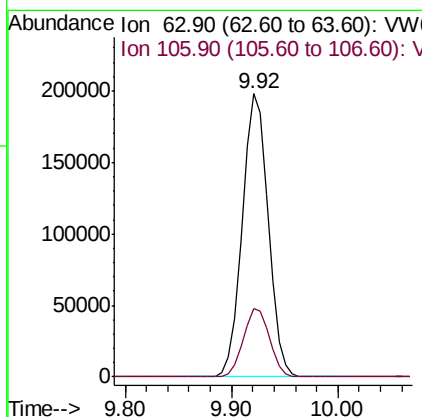
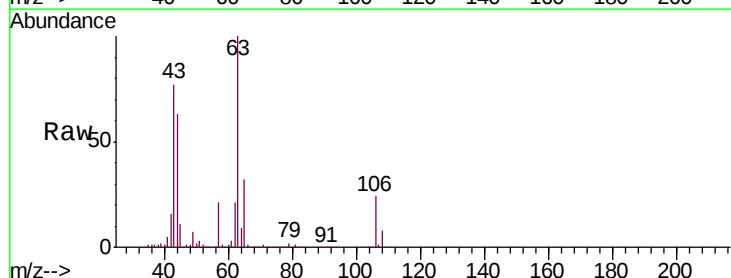
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

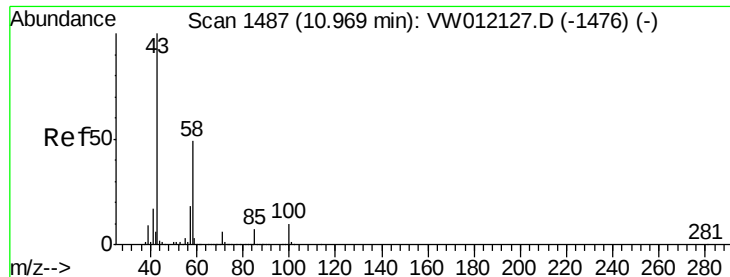
Tgt Ion: 76 Resp: 180729
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.098 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 63 Resp: 339389
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.8

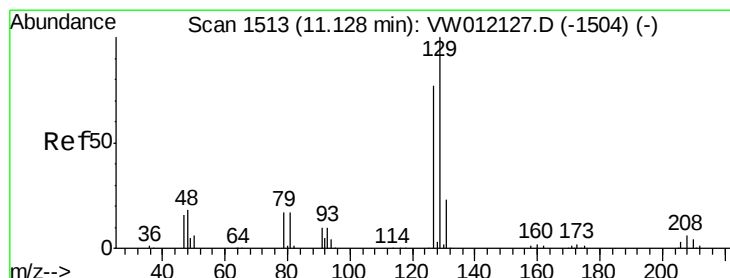
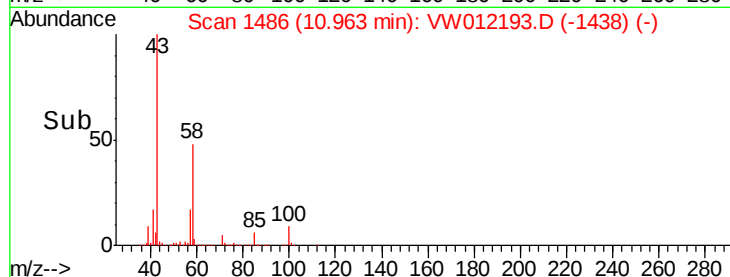
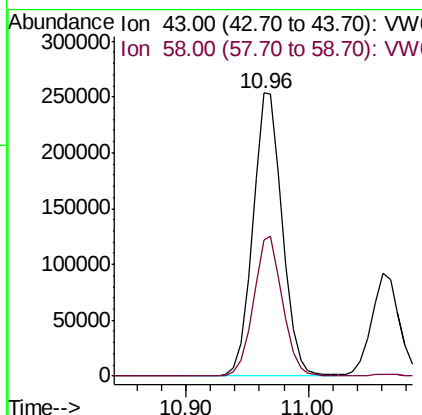
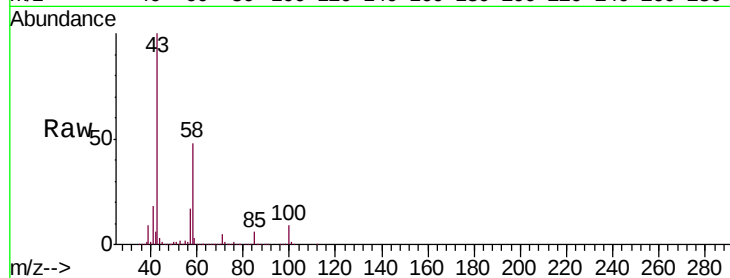




#59
2-Hexanone
Concen: 325.823 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

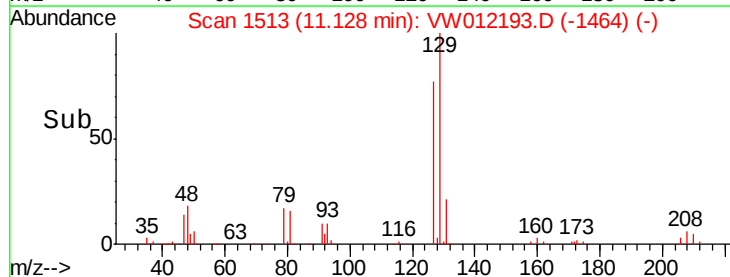
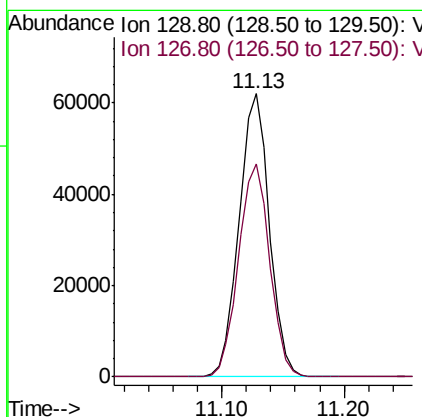
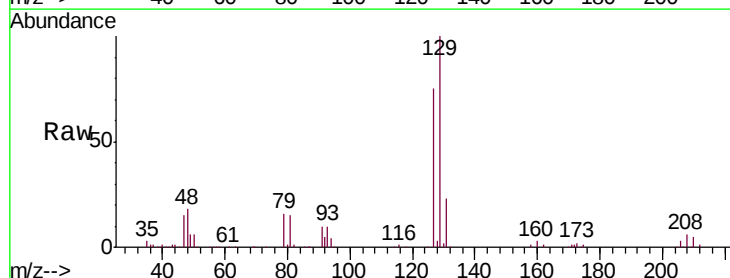
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

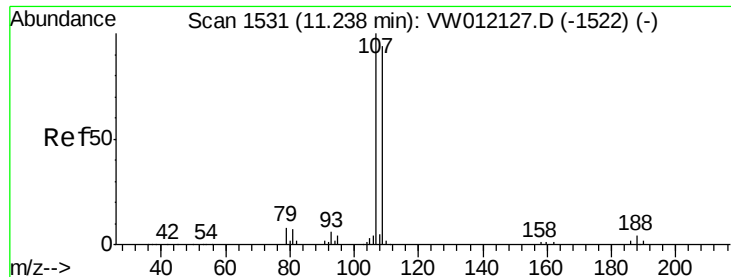
Tgt Ion: 43 Resp: 423403
Ion Ratio Lower Upper
43 100
58 48.7 24.3 72.9



#60
Dibromochloromethane
Concen: 58.009 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion: 129 Resp: 106330
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

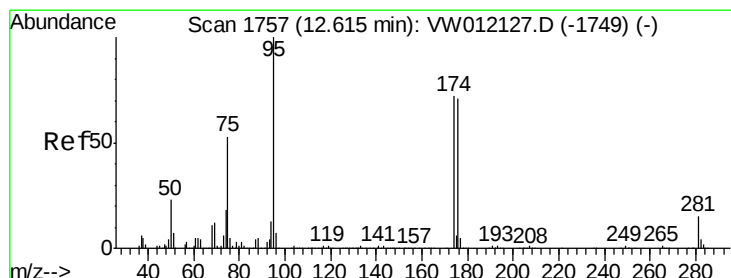
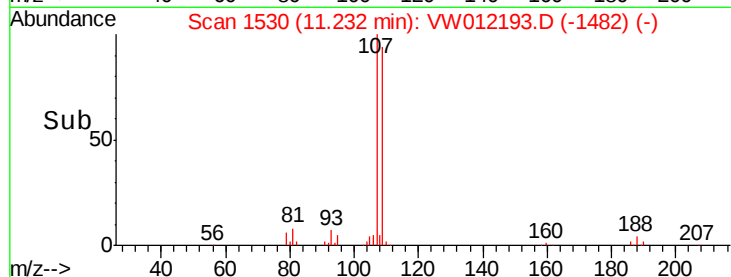
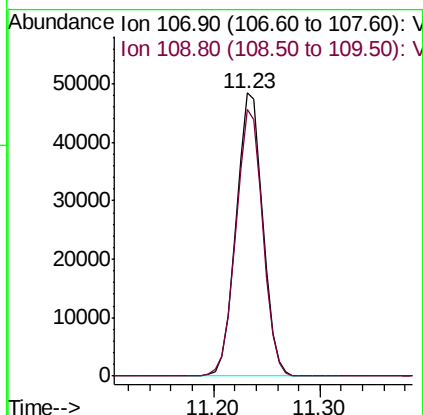
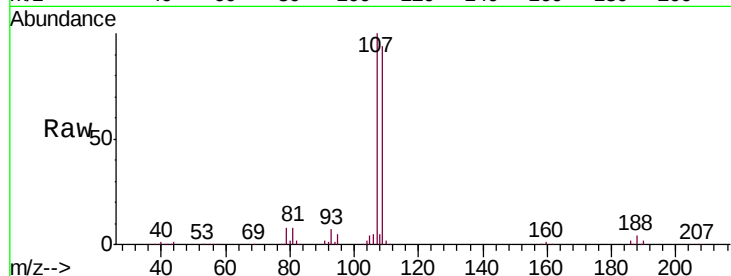




#61
 1,2-Dibromoethane
 Concen: 55.718 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

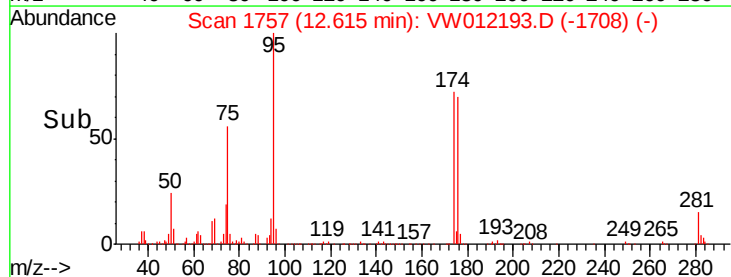
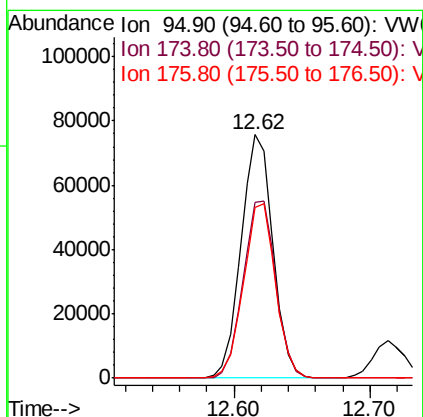
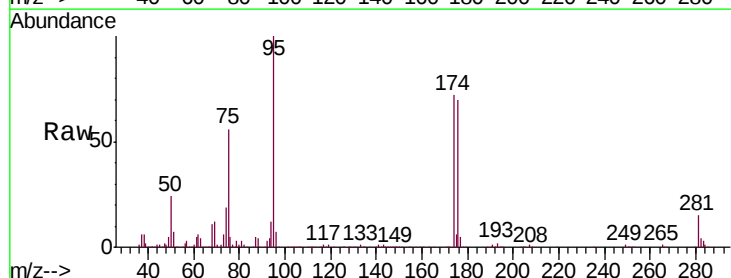
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

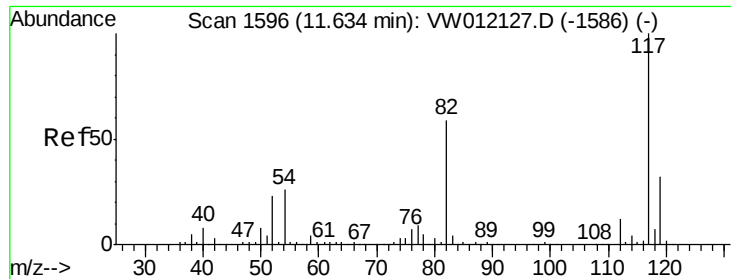
Tgt Ion: 107 Resp: 85424
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 42.038 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 95 Resp: 123459
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 150.8
 176 72.4 0.0 148.6

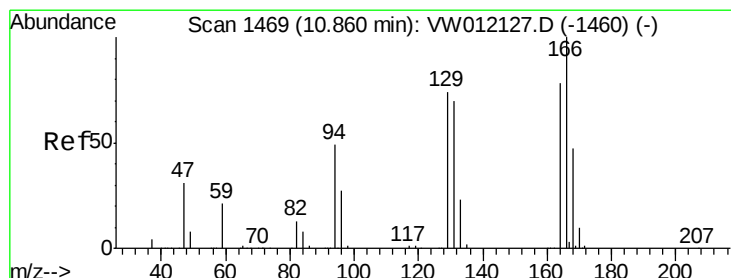
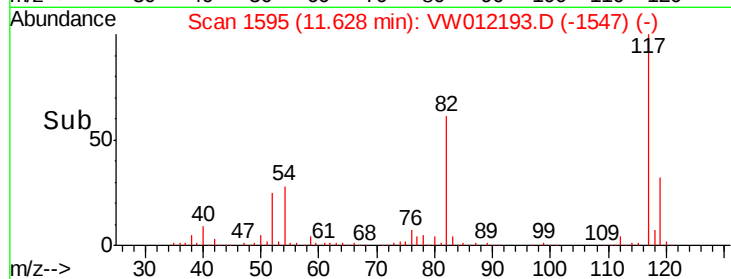
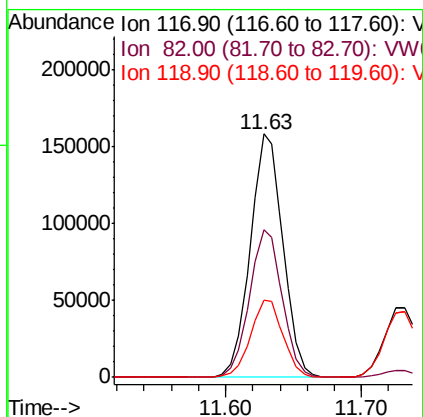
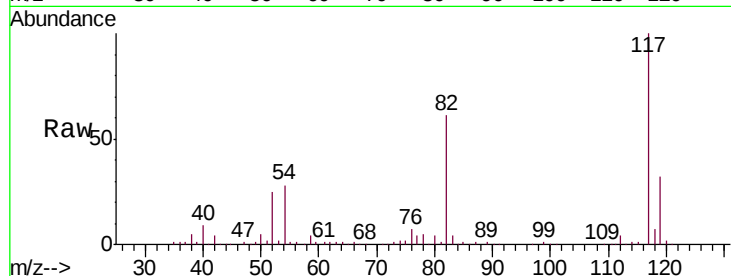




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

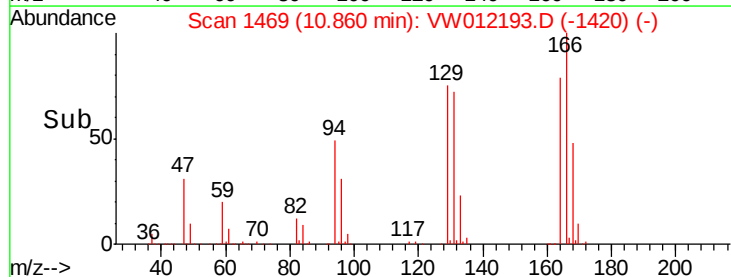
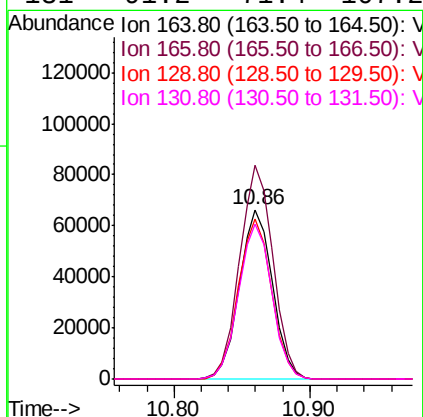
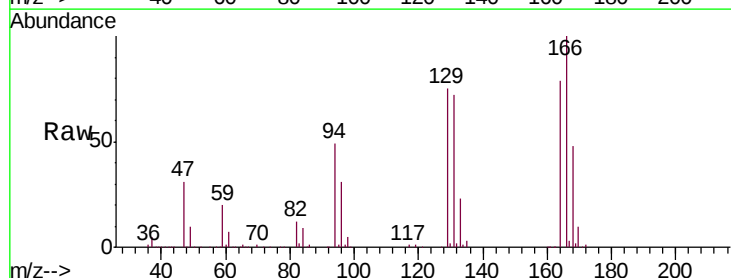
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

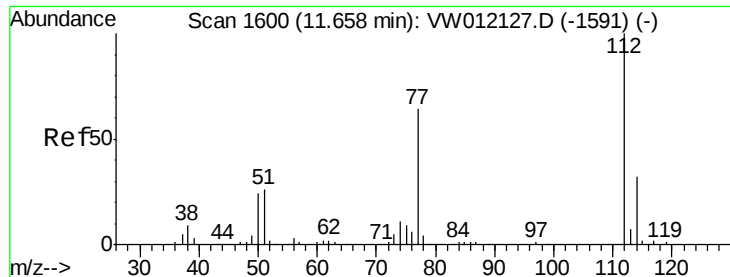
Tgt Ion:117 Resp: 266653
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 65.028 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion:164 Resp: 112420
Ion Ratio Lower Upper
164 100
166 125.9 102.4 153.6
129 94.3 75.8 113.6
131 91.2 71.4 107.2

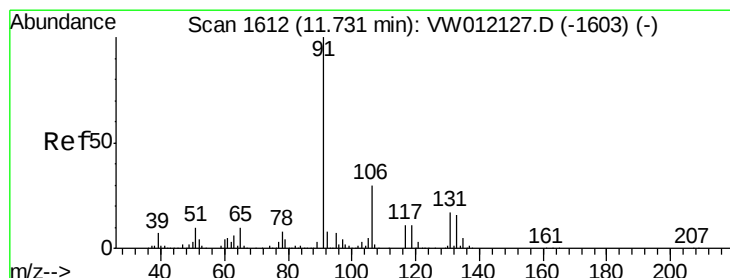
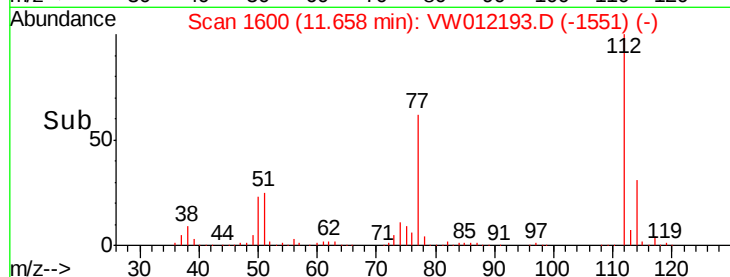
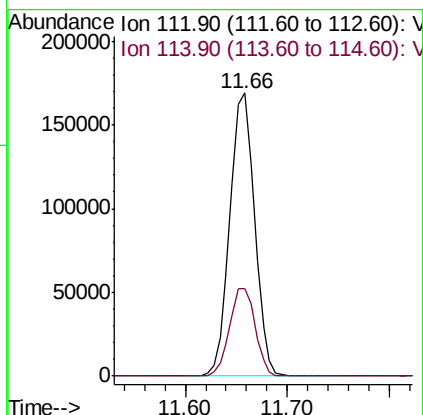
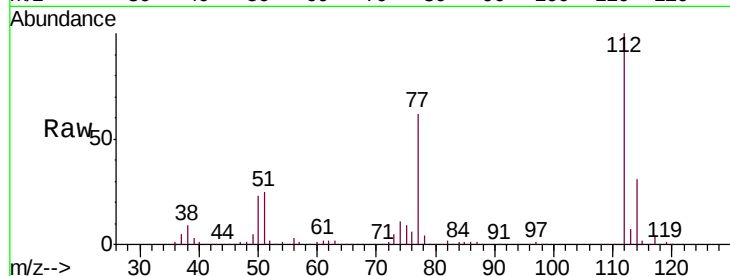




#65
Chlorobenzene
Concen: 53.816 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

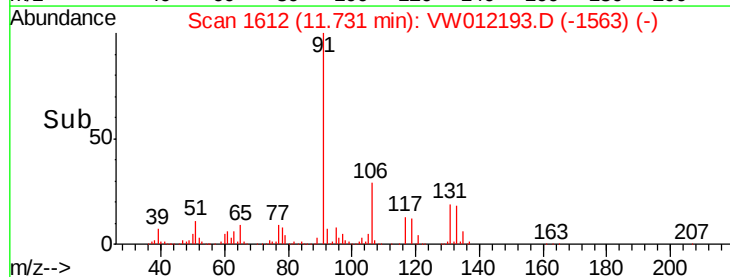
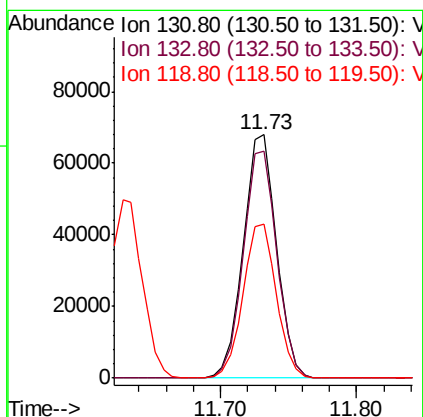
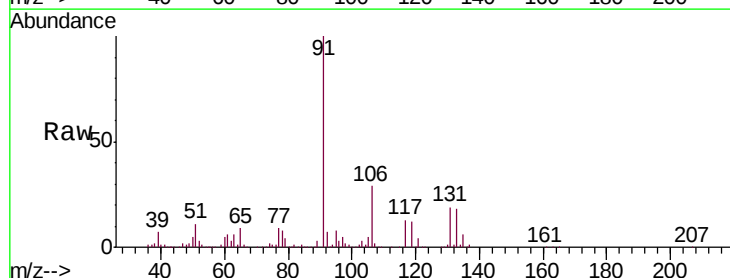
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

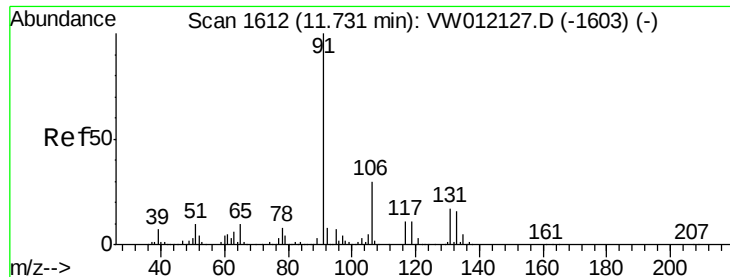
Tgt Ion:112 Resp: 282566
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 63.389 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion:131 Resp: 116111
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.3
119 63.4 31.8 95.3

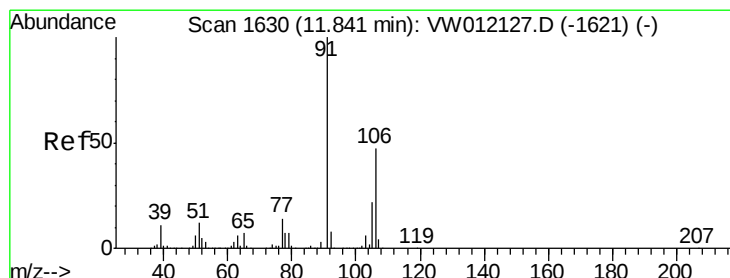
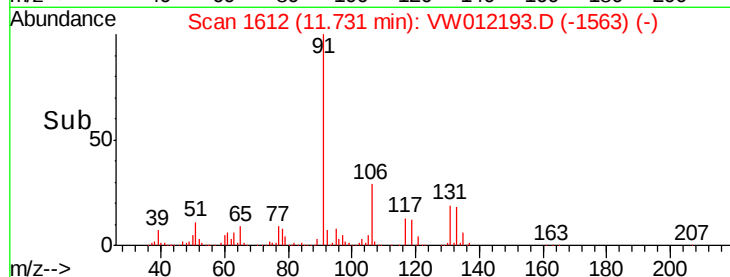
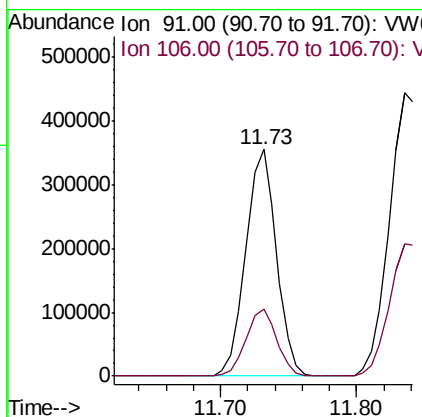
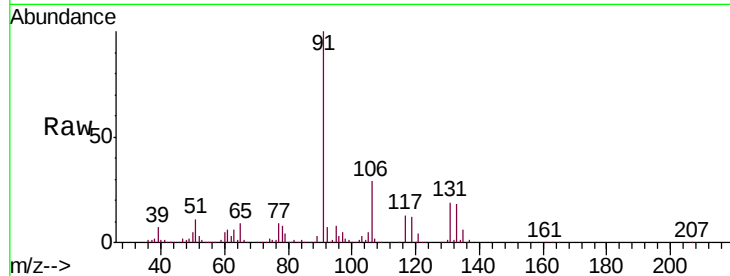




#67
Ethyl Benzene
Concen: 55.533 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

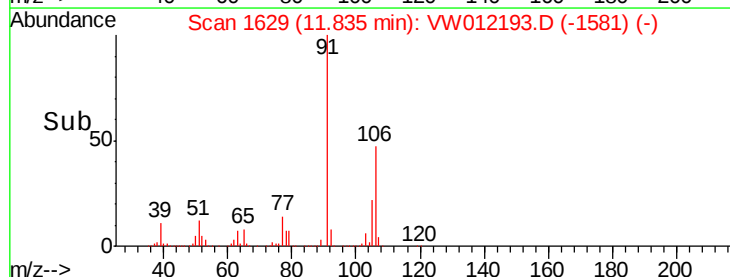
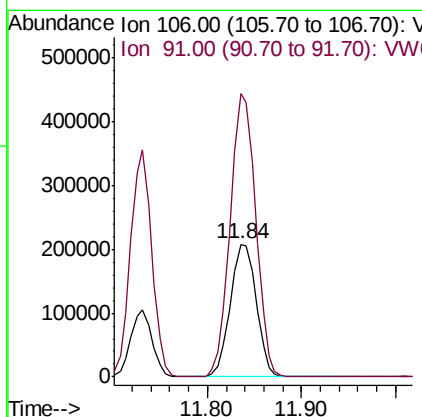
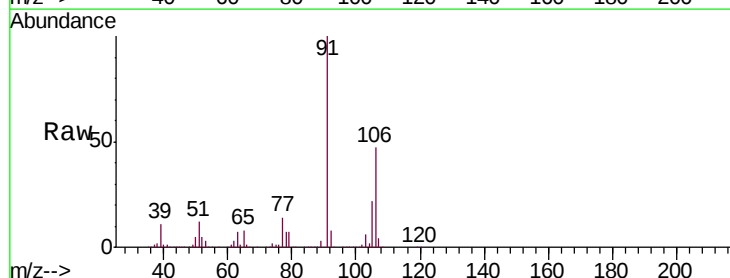
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

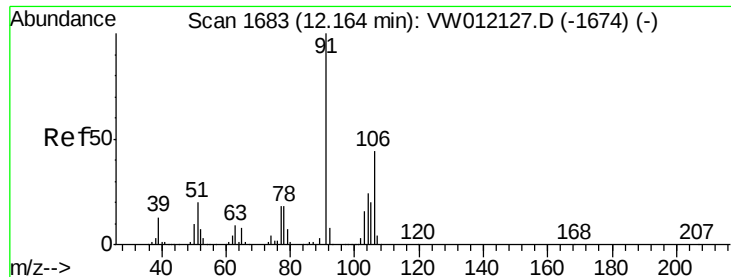
Tgt Ion: 91 Resp: 561686
Ion Ratio Lower Upper
91 100
106 29.4 24.3 36.5



#68
m/p-Xylenes
Concen: 109.461 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion: 106 Resp: 398804
Ion Ratio Lower Upper
106 100
91 209.8 169.5 254.3

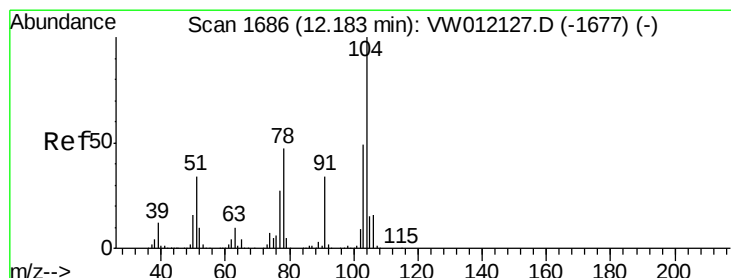
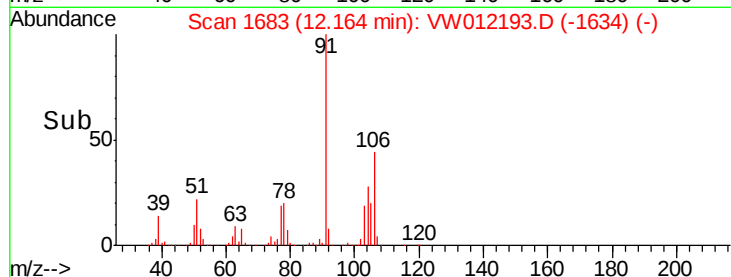
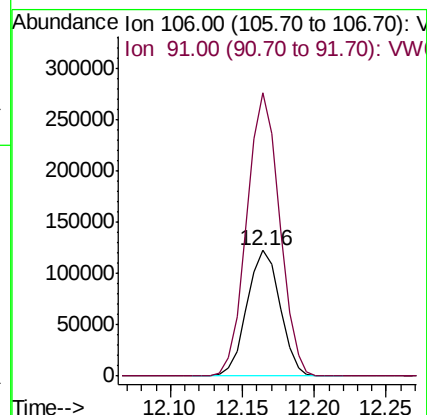
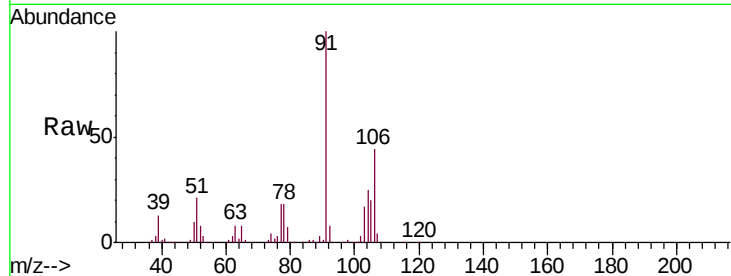




#69
o-Xylene
Concen: 57.869 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

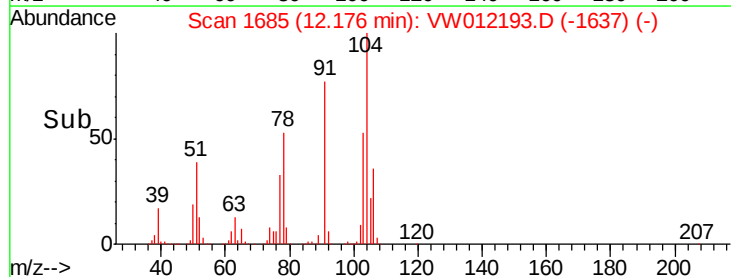
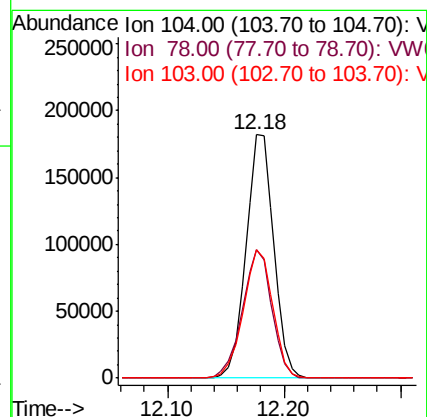
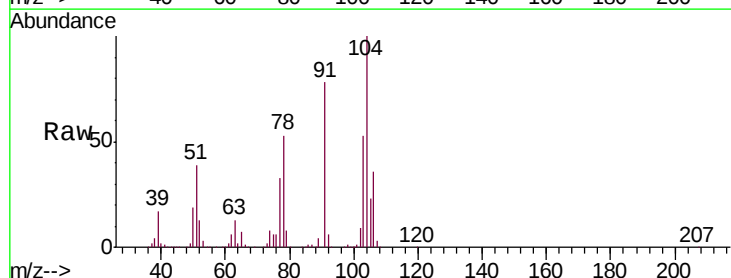
Instrument :
MSVOA_W
ClientSampleId :
S602-M-1.0-1.5-082319MSD

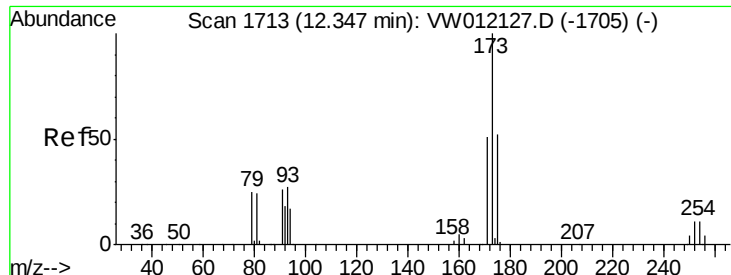
Tgt Ion:106 Resp: 195137
Ion Ratio Lower Upper
106 100
91 223.1 111.6 334.6



#70
Styrene
Concen: 51.869 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion:104 Resp: 302743
Ion Ratio Lower Upper
104 100
78 55.8 43.1 64.7
103 56.2 43.5 65.3





#71

Bromoform

Concen: 65.471 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

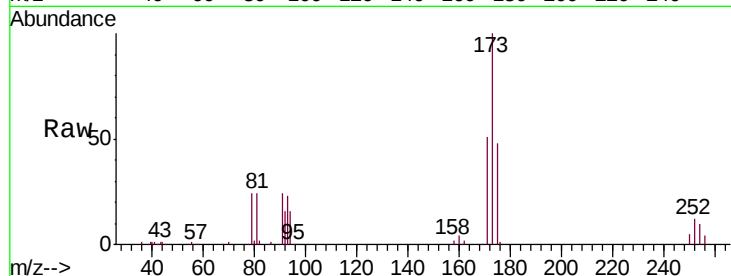
Tgt Ion:173 Resp: 59750

Ion Ratio Lower Upper

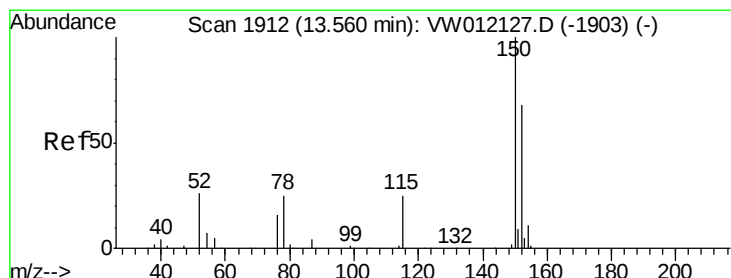
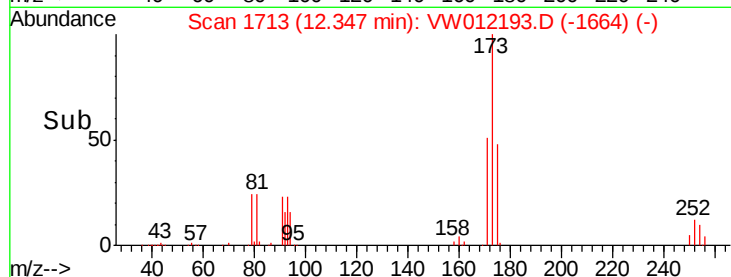
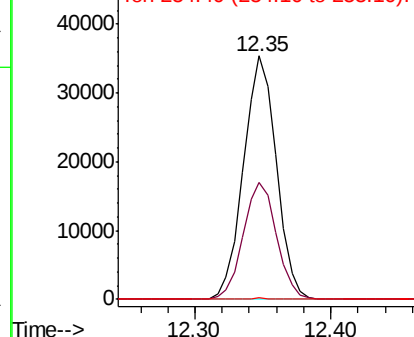
173 100

175 48.5 24.6 74.0

254 0.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

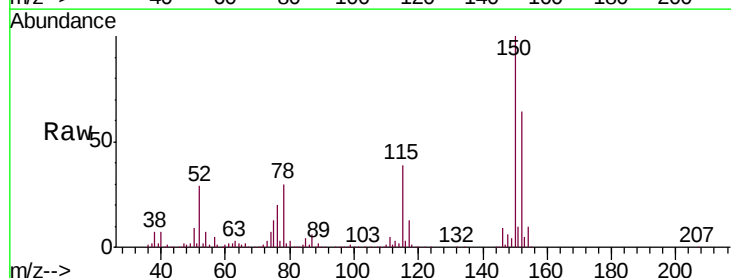
Tgt Ion:152 Resp: 92916

Ion Ratio Lower Upper

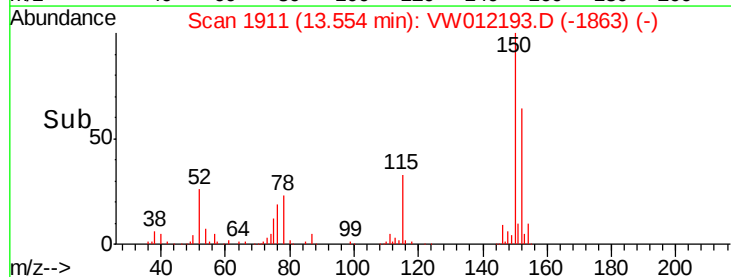
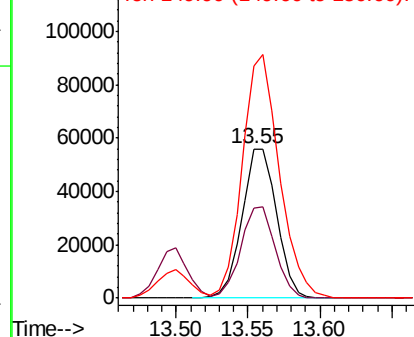
152 100

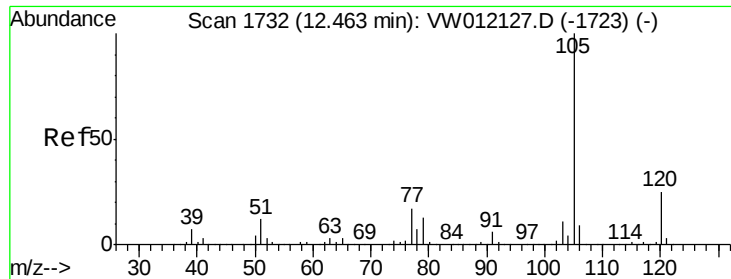
115 61.1 30.1 90.3

150 174.7 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: 71.802 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

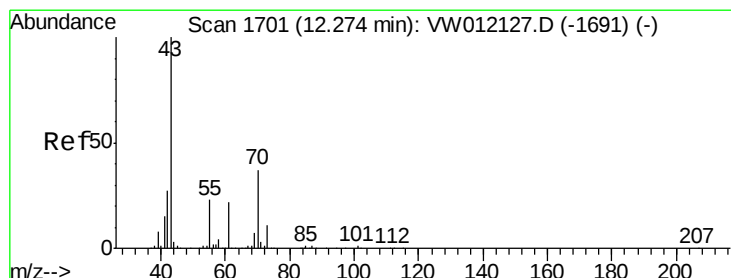
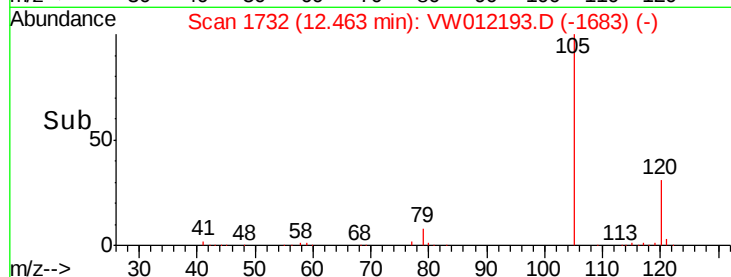
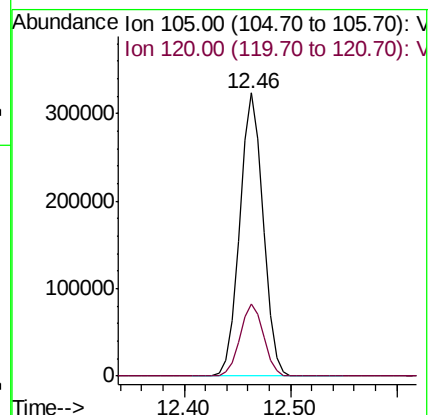
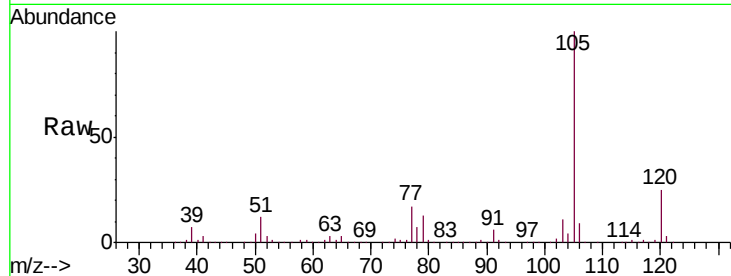
S602-M-1.0-1.5-082319MSD

Tgt Ion:105 Resp: 499911

Ion Ratio Lower Upper

105 100

120 25.8 12.5 37.5



#74

N-ethyl acetate

Concen: 62.378 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Tgt Ion: 43 Resp: 131213

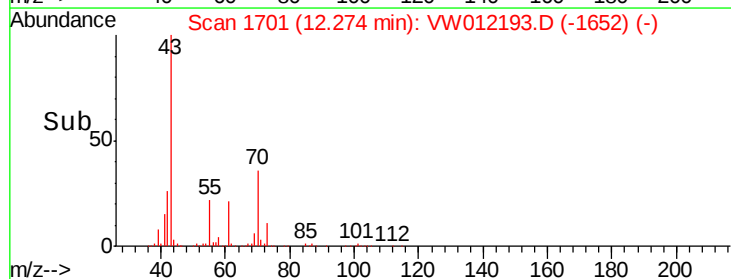
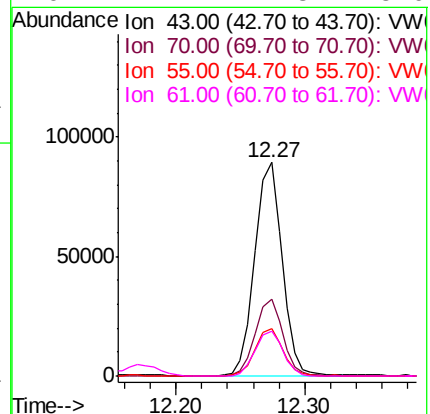
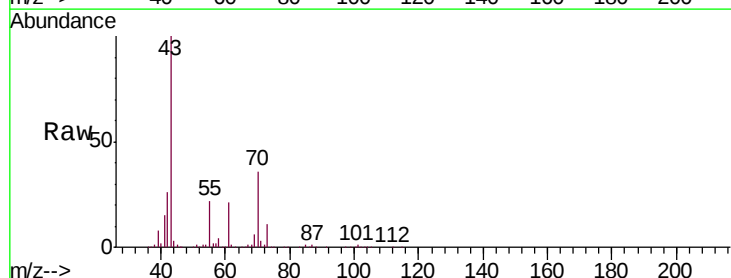
Ion Ratio Lower Upper

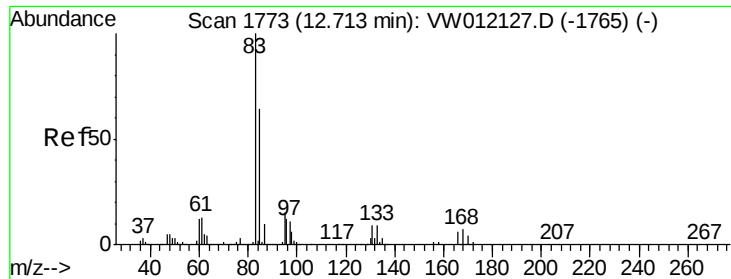
43 100

70 36.0 28.6 43.0

55 22.5 17.8 26.6

61 21.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 89.393 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

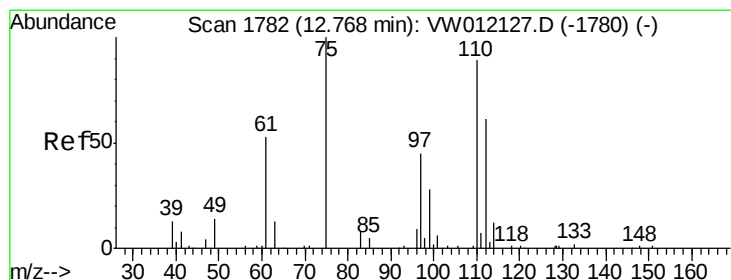
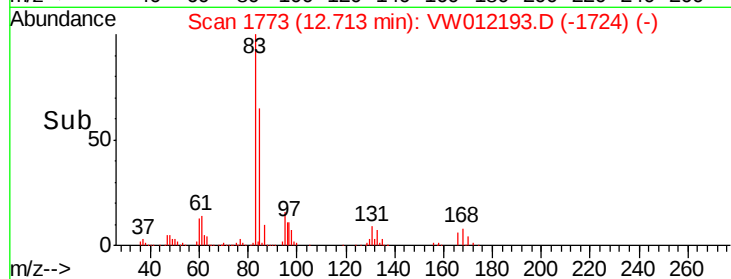
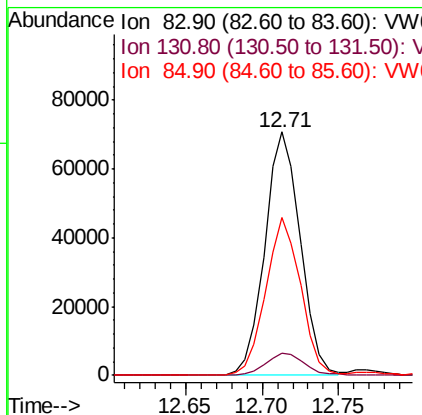
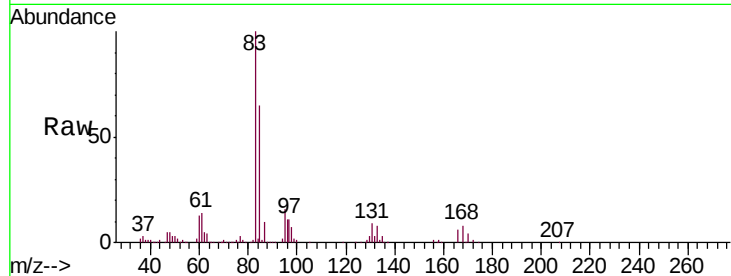
Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

Tgt Ion:	83	Resp:	114101
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.5	31.9	95.7



#76

1,2,3-Trichloropropane

Concen: 156.200 ug/l

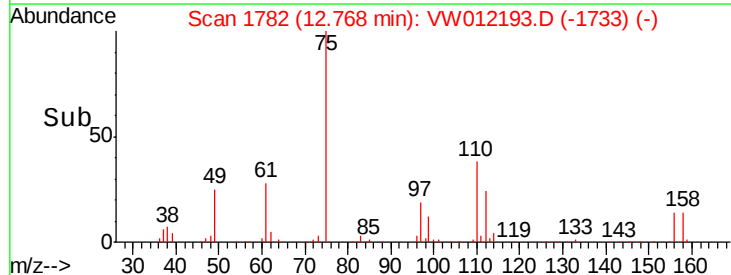
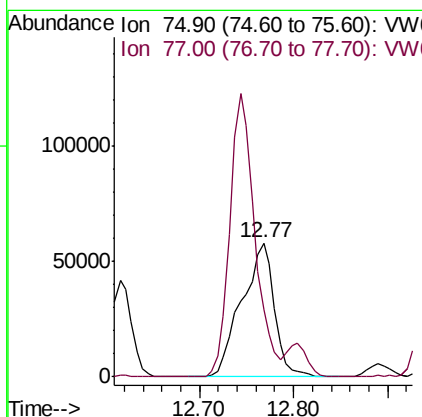
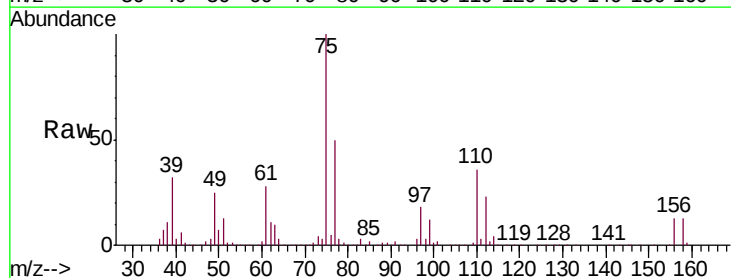
RT: 12.77 min Scan# 1782

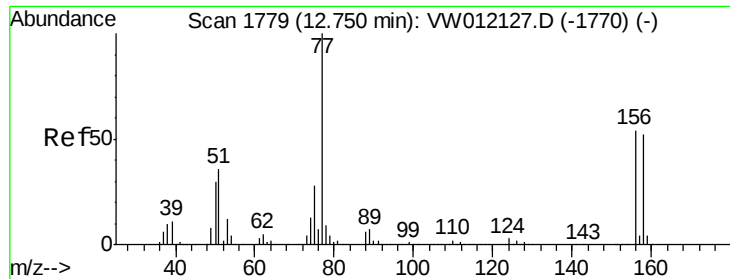
Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Tgt Ion:	75	Resp:	141351
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 68.279 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

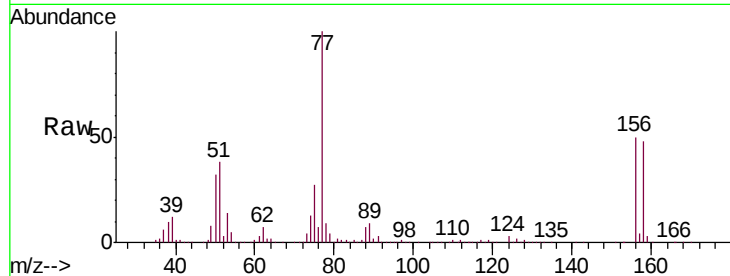
Tgt Ion:156 Resp: 102843

Ion Ratio Lower Upper

156 100

77 222.4 107.3 321.8

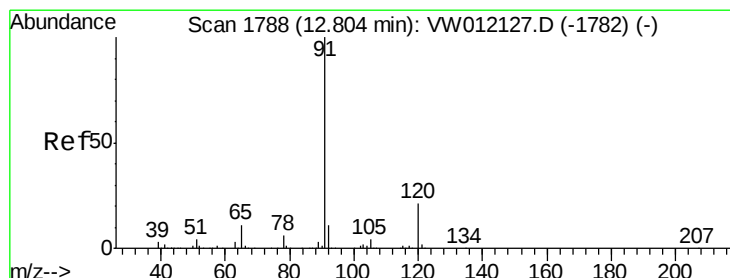
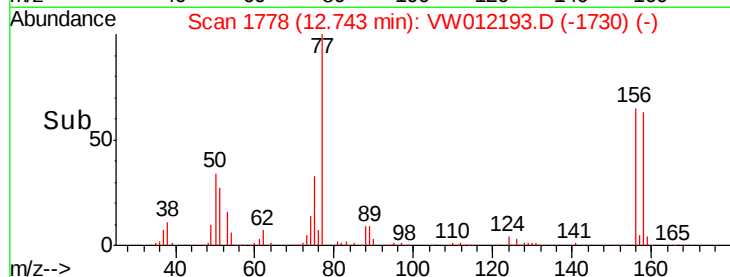
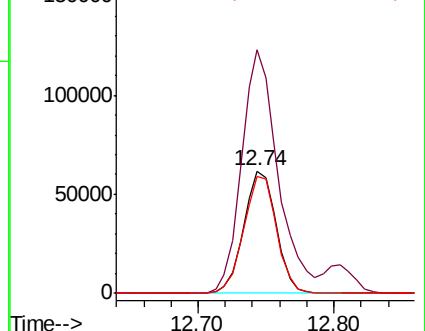
158 96.8 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 64.229 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012193.D

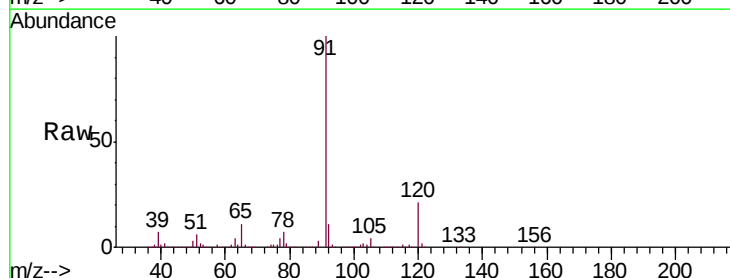
Acq: 27 Aug 2019 01:07

Tgt Ion: 91 Resp: 545922

Ion Ratio Lower Upper

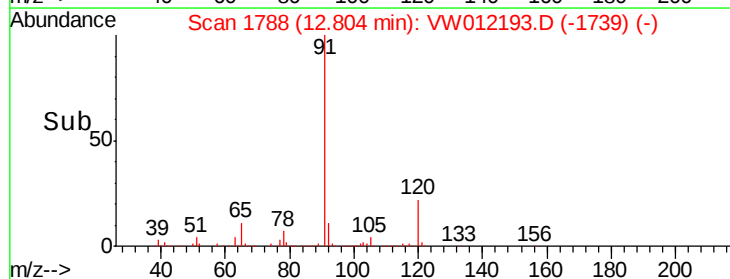
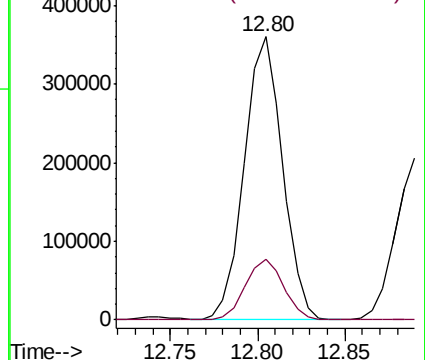
91 100

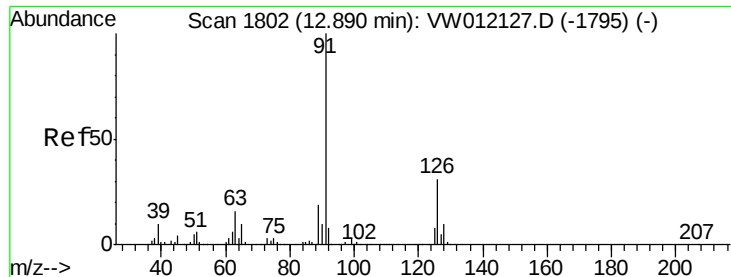
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 68.284 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

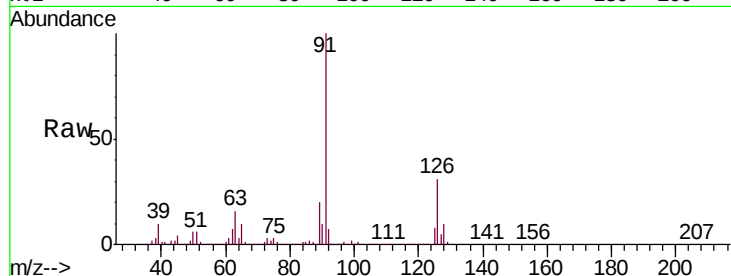
S602-M-1.0-1.5-082319MSD

Tgt Ion: 91 Resp: 329513

Ion Ratio Lower Upper

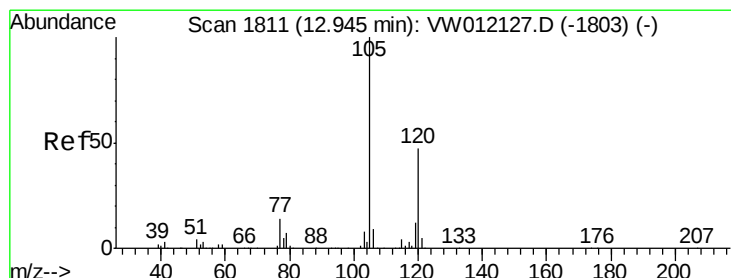
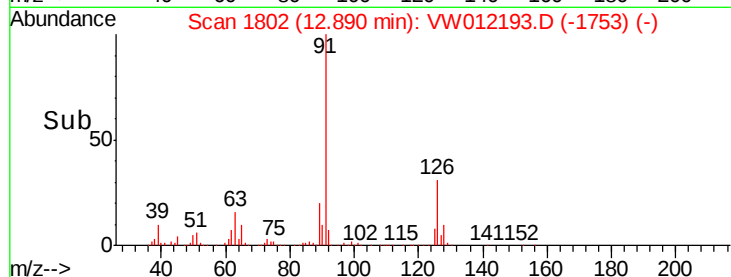
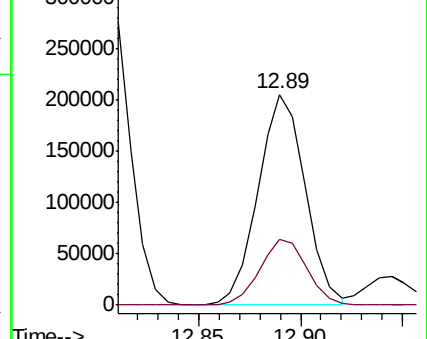
91 100

126 31.3 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 67.725 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012193.D

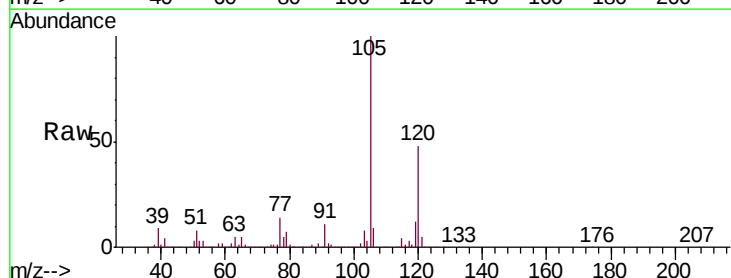
Acq: 27 Aug 2019 01:07

Tgt Ion: 105 Resp: 394002

Ion Ratio Lower Upper

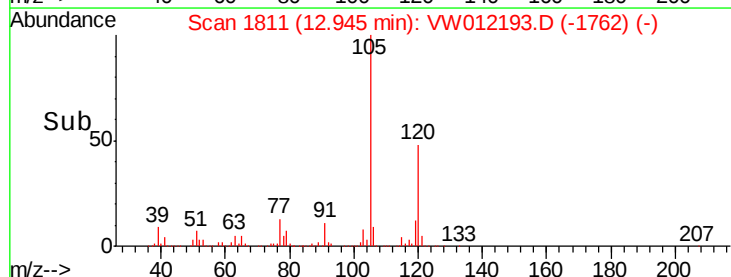
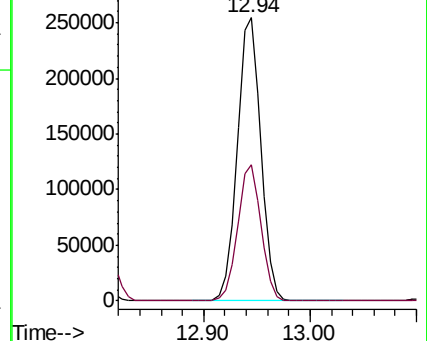
105 100

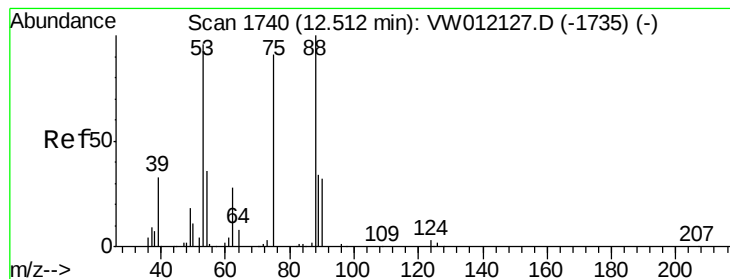
120 47.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 81.394 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

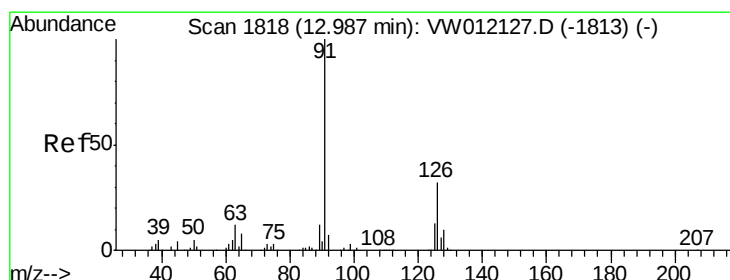
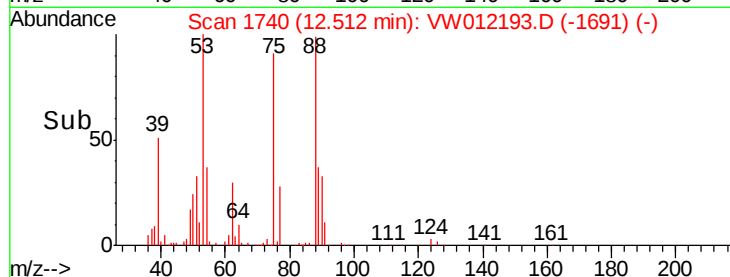
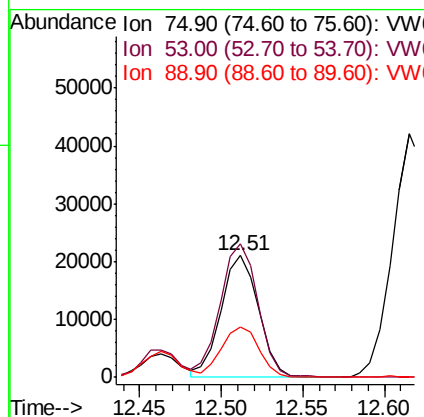
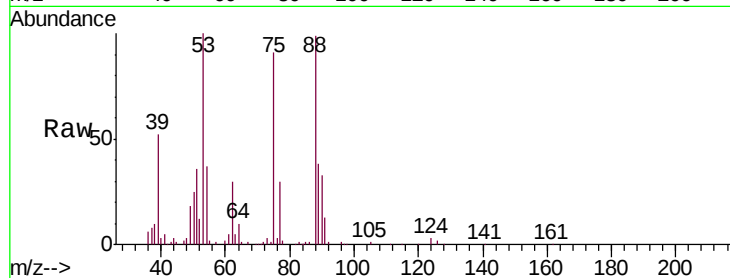
Tgt Ion: 75 Resp: 33594

Ion Ratio Lower Upper

75 100

53 111.8 89.4 134.0

89 41.4 34.5 51.7



#82

4-Chlorotoluene

Concen: 61.118 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012193.D

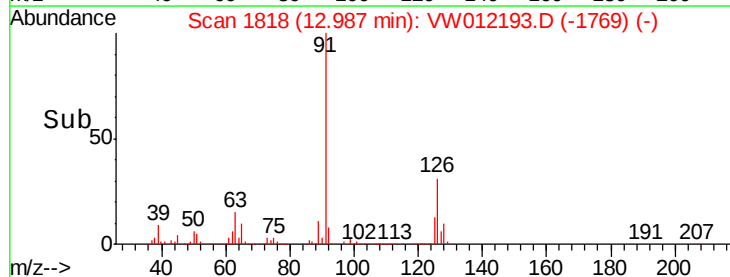
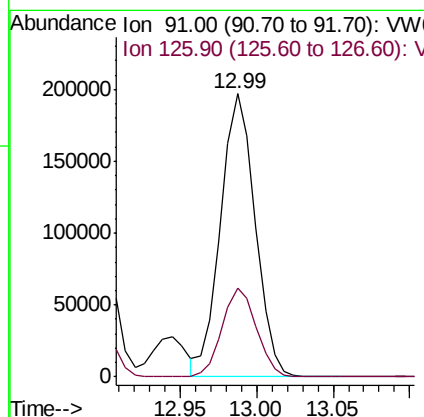
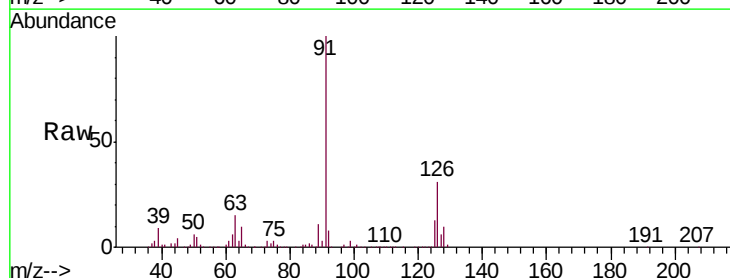
Acq: 27 Aug 2019 01:07

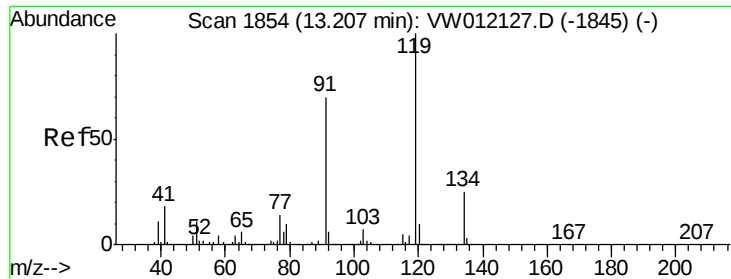
Tgt Ion: 91 Resp: 308813

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

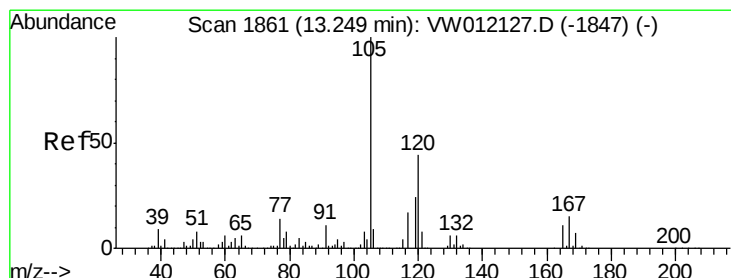
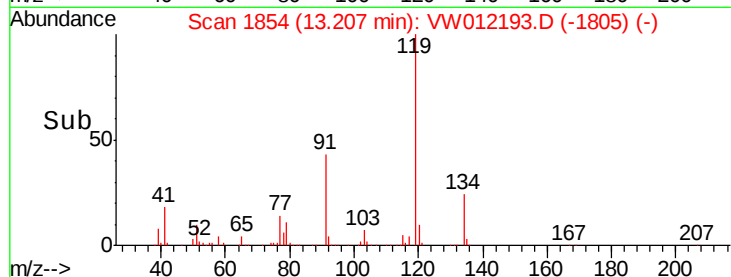
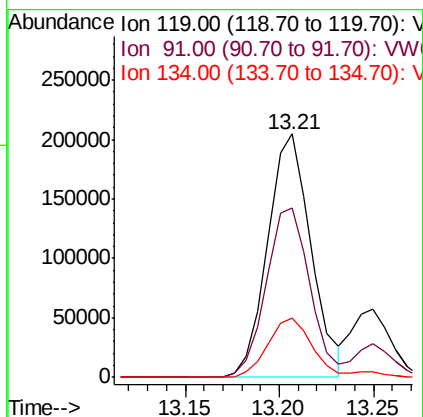
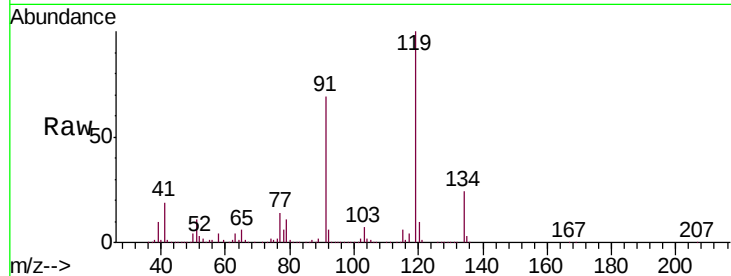




#83
 tert-Butylbenzene
 Concen: 66.525 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

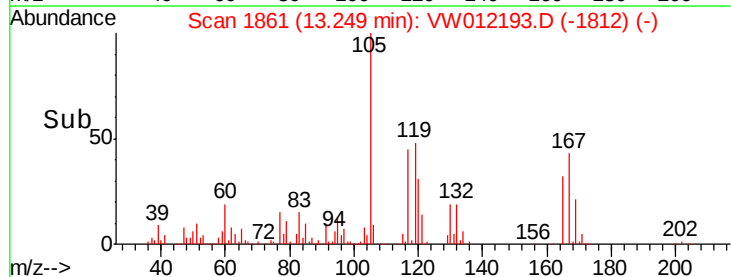
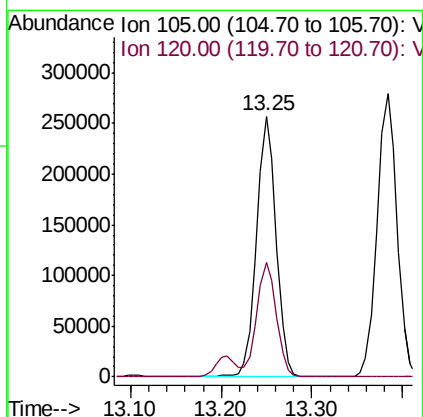
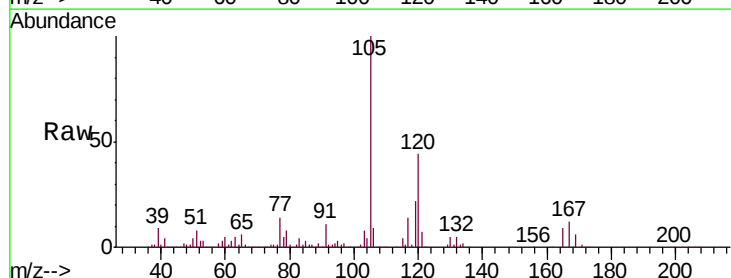
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

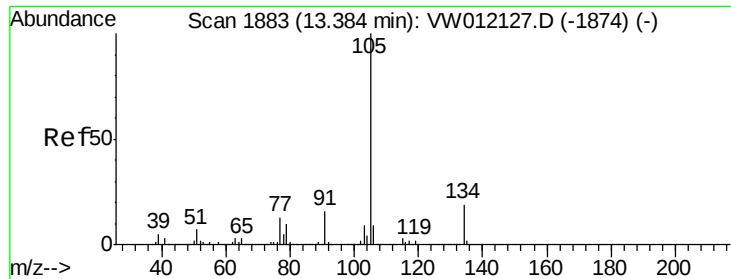
Tgt Ion:119 Resp: 327842
 Ion Ratio Lower Upper
 119 100
 91 69.9 34.8 104.3
 134 24.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 65.867 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion:105 Resp: 384932
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.9 65.7

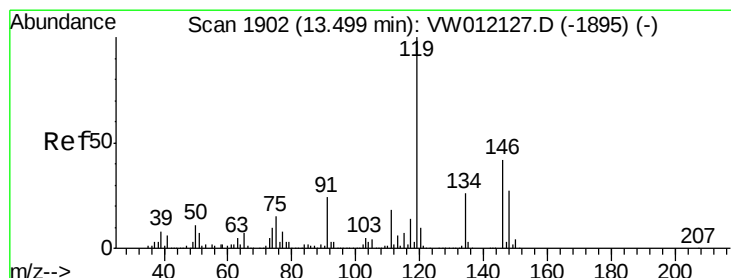
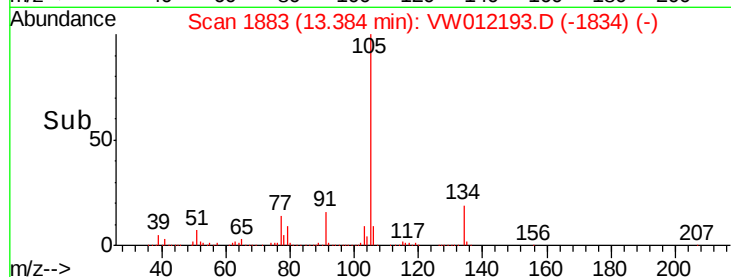
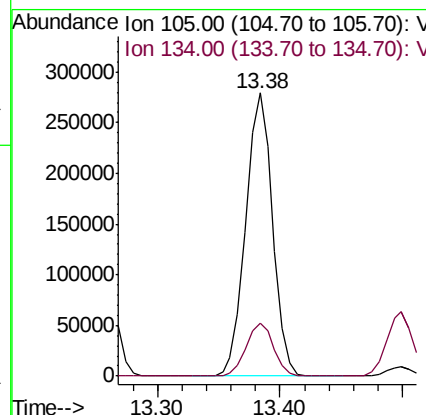
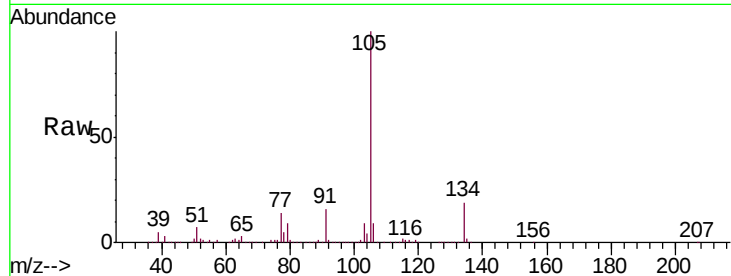




#85
 sec-Butylbenzene
 Concen: 59.973 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

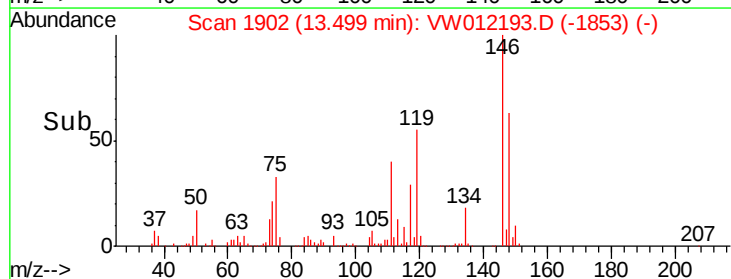
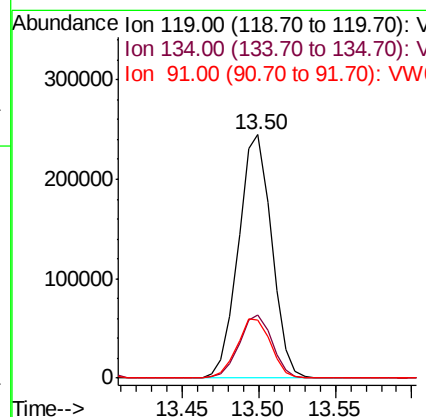
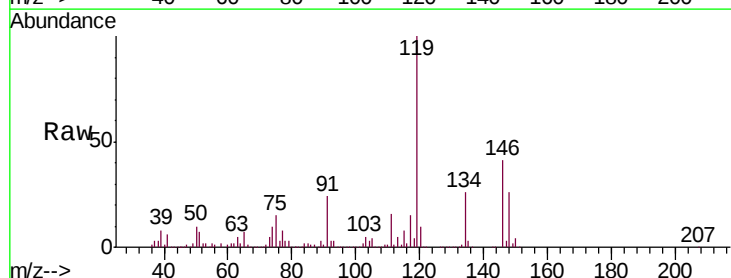
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

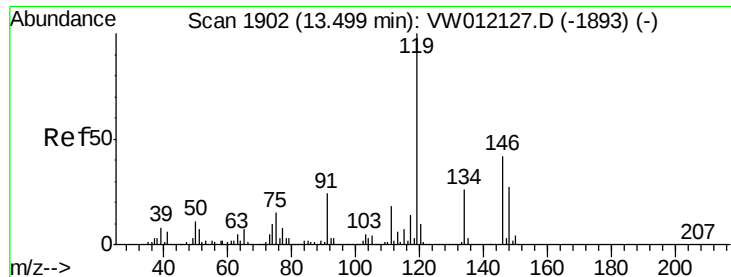
Tgt Ion:105 Resp: 423430
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 58.429 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion:119 Resp: 368413
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 54.963 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

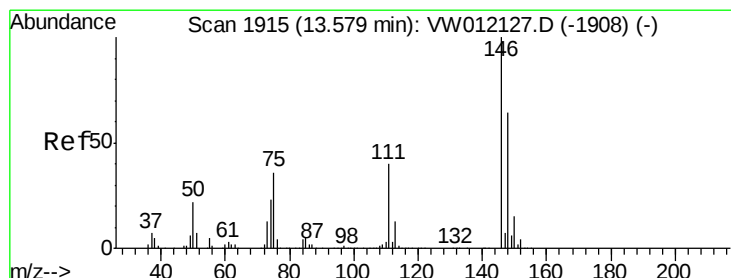
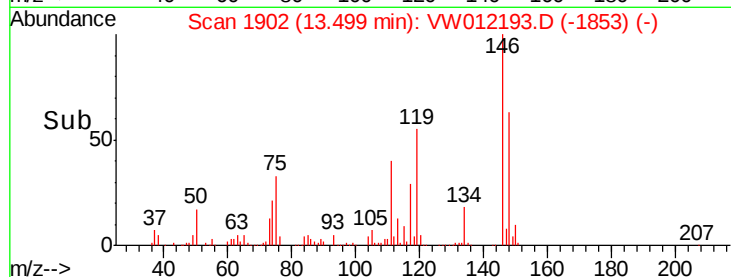
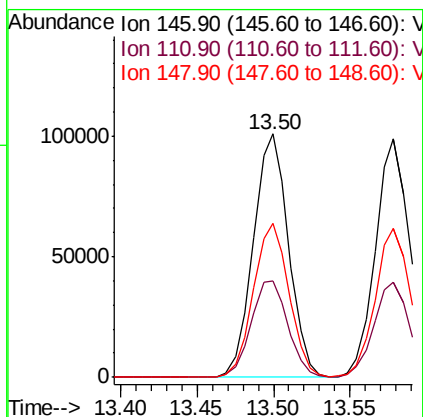
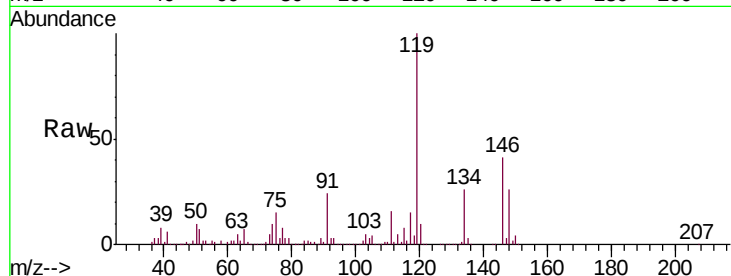
Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

Tgt Ion:	146	Resp:	161929
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.7
148	63.8	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 52.768 ug/l

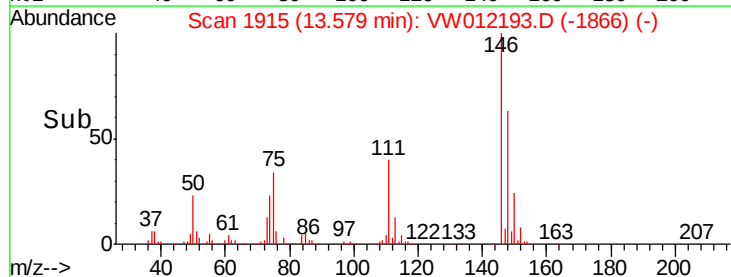
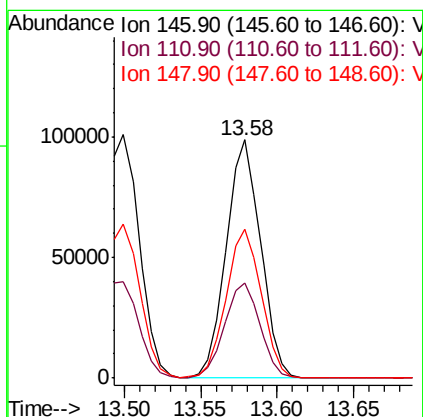
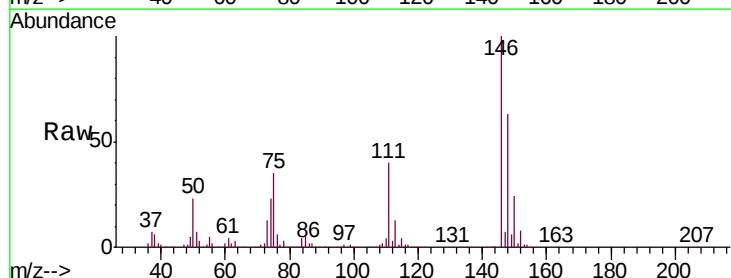
RT: 13.58 min Scan# 1915

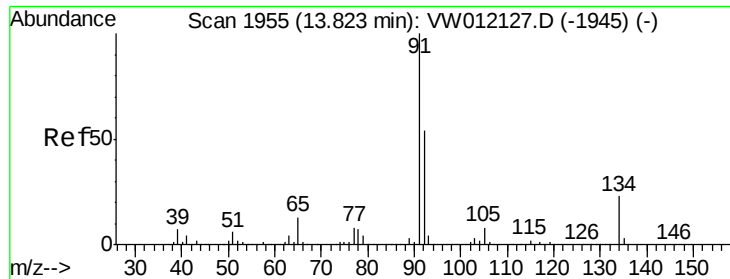
Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Tgt Ion:	146	Resp:	154361
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	63.9	32.1	96.3





#89

n-Butylbenzene

Concen: 46.984 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012193.D

Acq: 27 Aug 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

S602-M-1.0-1.5-082319MSD

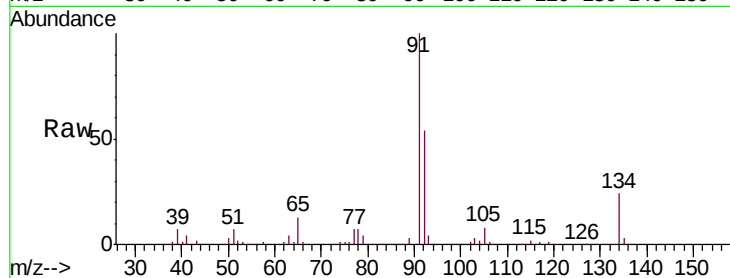
Tgt Ion: 91 Resp: 294603

Ion Ratio Lower Upper

91 100

92 54.3 27.1 81.2

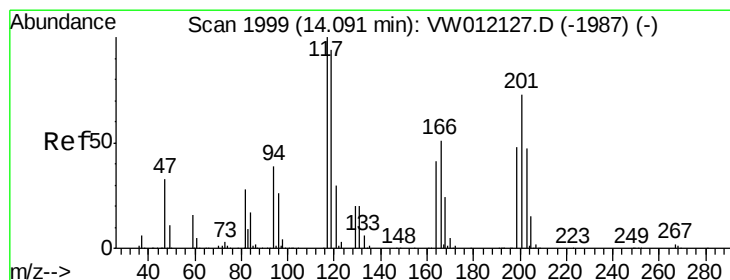
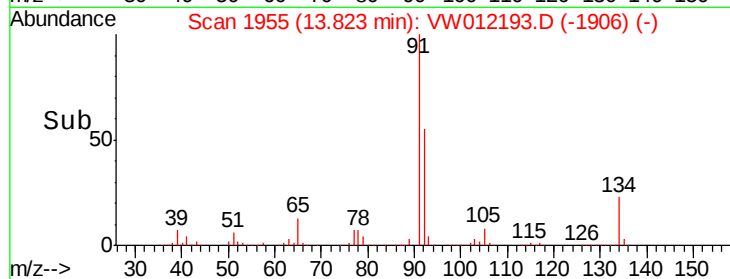
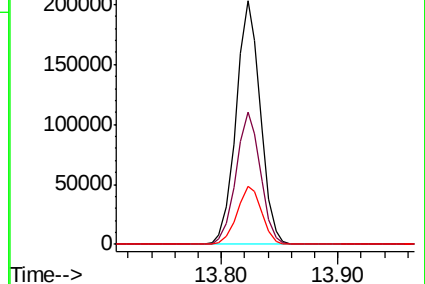
134 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 60.924 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012193.D

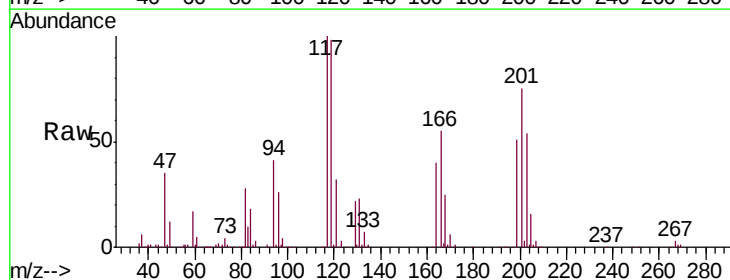
Acq: 27 Aug 2019 01:07

Tgt Ion: 117 Resp: 67397

Ion Ratio Lower Upper

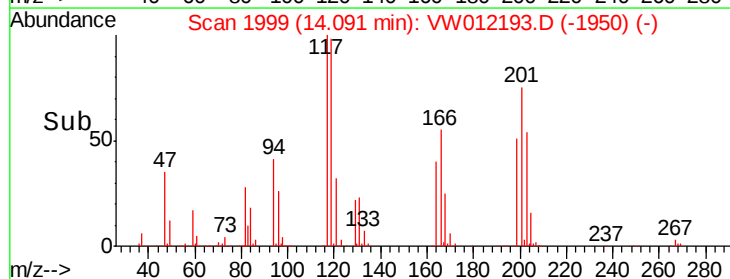
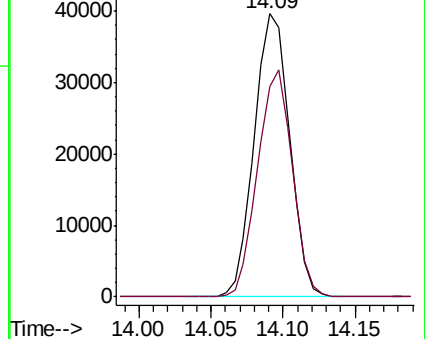
117 100

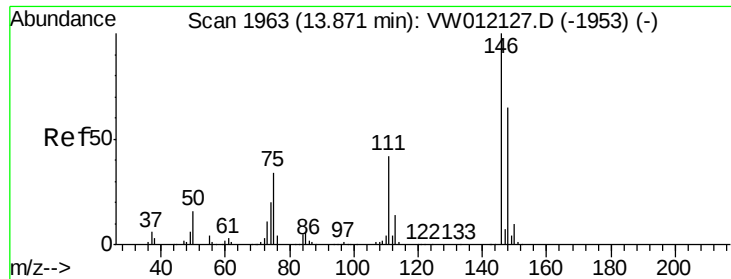
201 78.5 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

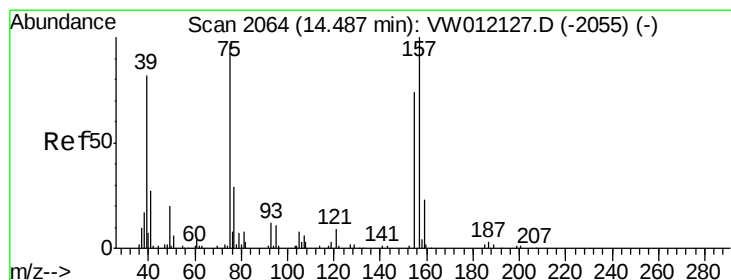
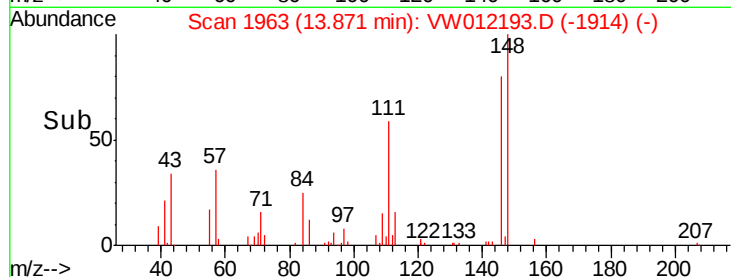
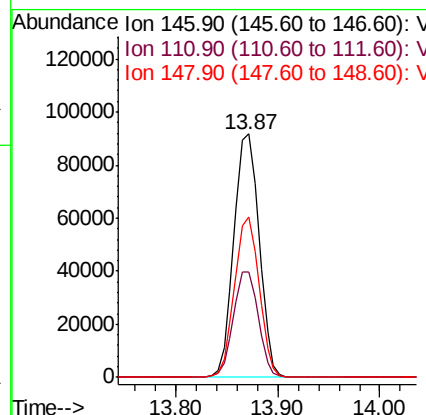
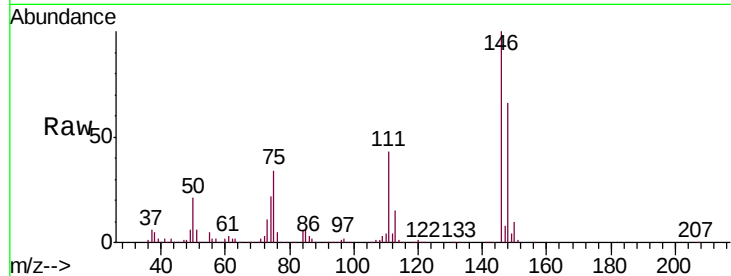




#91
 1,2-Dichlorobenzene
 Concen: 60.766 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

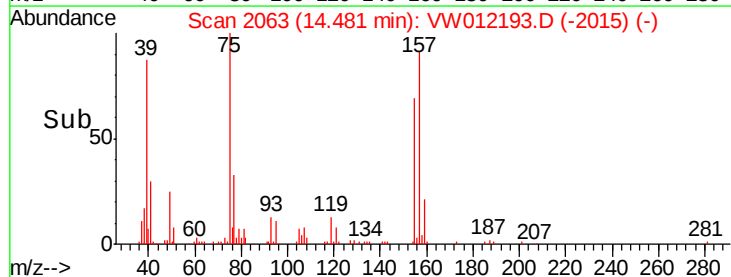
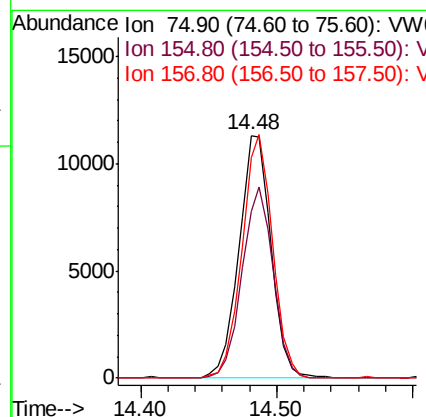
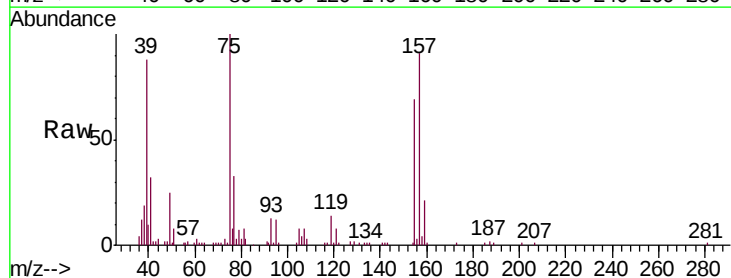
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

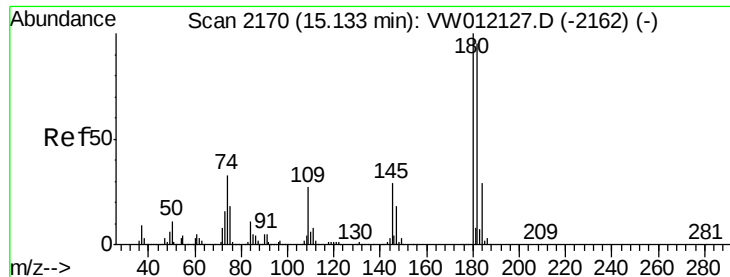
Tgt Ion:146 Resp: 157050
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.2 63.6
 148 64.1 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.495 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion: 75 Resp: 18612
 Ion Ratio Lower Upper
 75 100
 155 76.3 37.5 112.3
 157 95.3 50.5 151.5

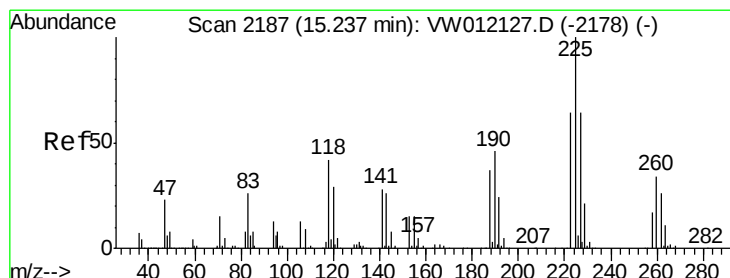
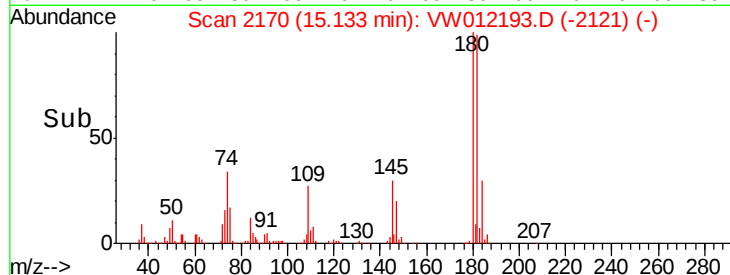
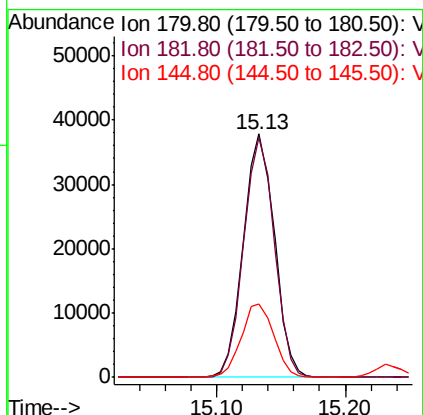
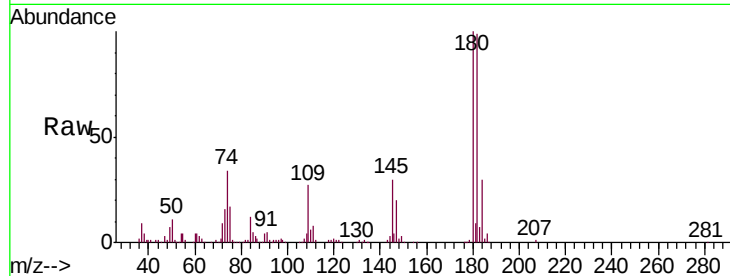




#93
 1,2,4-Trichlorobenzene
 Concen: 35.337 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

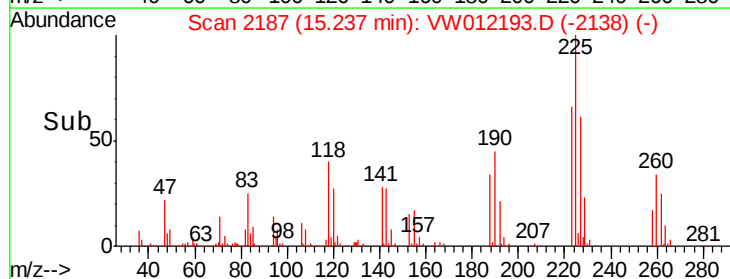
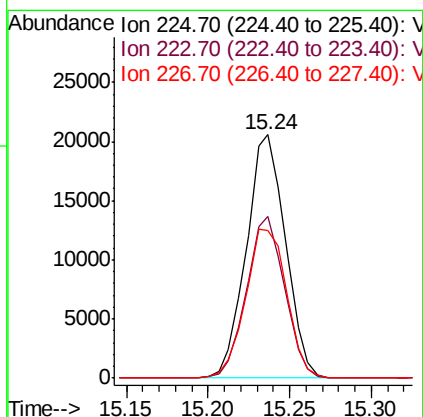
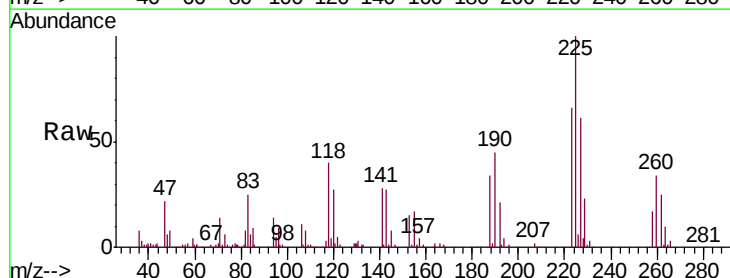
Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MSD

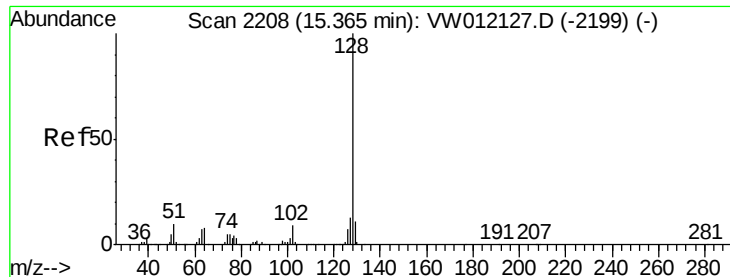
Tgt Ion:180 Resp: 63114
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.8 143.4
 145 31.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 29.266 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012193.D
 Acq: 27 Aug 2019 01:07

Tgt Ion:225 Resp: 34514
 Ion Ratio Lower Upper
 225 100
 223 64.6 32.3 96.8
 227 64.0 32.9 98.6

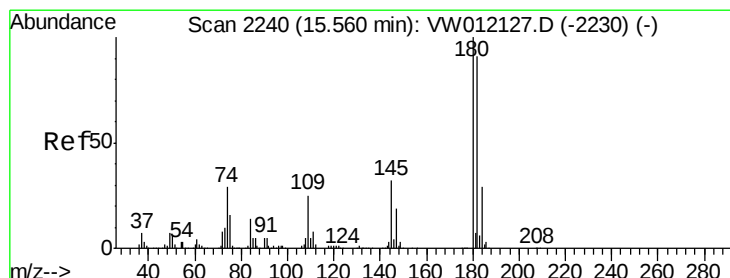
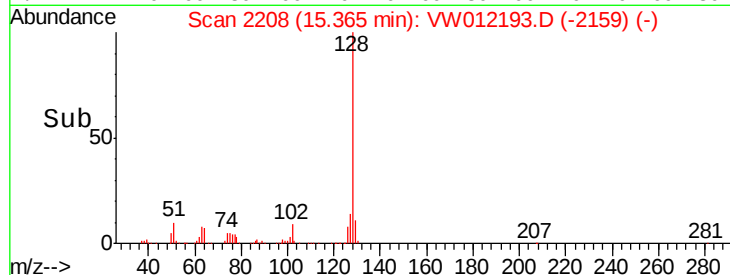
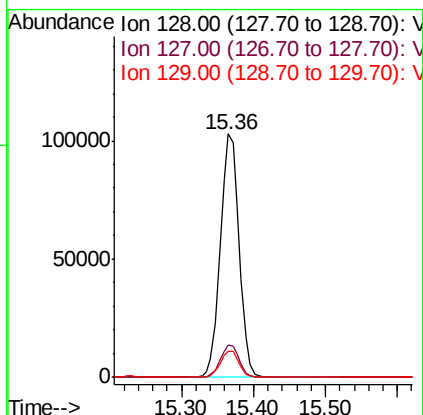
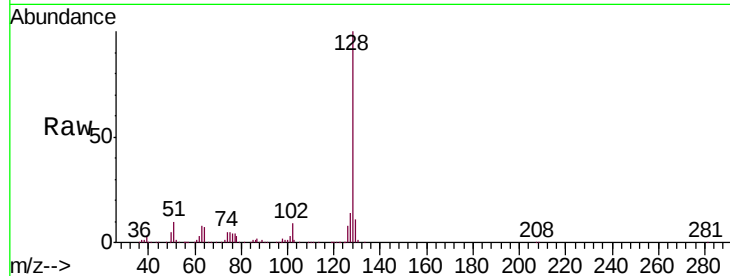




#95
Naphthalene
Concen: 52.830 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

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

Tgt Ion:128 Resp: 186092
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 38.551 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012193.D
Acq: 27 Aug 2019 01:07

Tgt Ion:180 Resp: 60074
Ion Ratio Lower Upper
180 100
182 92.6 47.1 141.3
145 31.3 16.2 48.5

