

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012221.D
 Acq On : 27 Aug 2019 19:27
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 28 05:00:11 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	250270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	159512	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.88	113	129987	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	10.32	98	527130	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	186297	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	82874	53.779	ug/l	99
3) Chloromethane	2.21	50	128363	53.765	ug/l	99
4) Vinyl Chloride	2.36	62	157733	53.978	ug/l	97
5) Bromomethane	2.77	94	85257	57.610	ug/l	97
6) Chloroethane	2.92	64	93224	56.553	ug/l	98
7) Trichlorofluoromethane	3.26	101	87632	59.723	ug/l	97
8) Diethyl Ether	3.68	74	81939	58.833	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	133803	53.648	ug/l	98
10) Methyl Iodide	4.27	142	193620	57.376	ug/l	99
11) Tert butyl alcohol	5.17	59	52676	294.214	ug/l	99
12) 1,1-Dichloroethene	4.04	96	138326	55.103	ug/l	98
13) Acrolein	3.89	56	37043	219.795	ug/l	98
14) Allyl chloride	4.67	41	311224	57.992	ug/l	99
15) Acrylonitrile	5.37	53	201397	291.740	ug/l	99
16) Acetone	4.12	43	180025	236.720	ug/l	99
17) Carbon Disulfide	4.38	76	423023	55.759	ug/l	99
18) Methyl Acetate	4.67	43	109897	58.344	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	247708	61.018	ug/l	99
20) Methylene Chloride	4.92	84	160025	55.661	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	152198	56.538	ug/l	99
22) Diisopropyl ether	6.31	45	581615	58.467	ug/l	97
23) Vinyl Acetate	6.25	43	1851695	302.467	ug/l	99
24) 1,1-Dichloroethane	6.21	63	306052	56.505	ug/l	100
25) 2-Butanone	7.16	43	285584	276.346	ug/l	99
26) 2,2-Dichloropropane	7.16	77	172714	56.337	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	167400	58.204	ug/l	99
28) Bromochloromethane	7.51	49	120706	51.131	ug/l	97
29) Tetrahydrofuran	7.52	42	184538	297.635	ug/l	99
30) Chloroform	7.68	83	276144	55.726	ug/l	98
31) Cyclohexane	7.95	56	278420	51.956	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	221633	56.538	ug/l	99
36) 1,1-Dichloropropene	8.08	75	229119	54.601	ug/l	100
37) Ethyl Acetate	7.25	43	130864	56.910	ug/l	99
38) Carbon Tetrachloride	8.07	117	199240	54.857	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	261169	55.401	ug/l	96
40) Benzene	8.32	78	643185	56.133	ug/l	98
41) Methacrylonitrile	7.48	41	80162	59.314	ug/l	98
42) 1,2-Dichloroethane	8.40	62	200405	55.806	ug/l	99
43) Isopropyl Acetate	8.42	43	251800	59.117	ug/l	99
44) Trichloroethene	9.09	130	155520	55.833	ug/l	98
45) 1,2-Dichloropropane	9.37	63	174971	56.740	ug/l	96
46) Dibromomethane	9.46	93	78379	57.125	ug/l	99
47) Bromodichloromethane	9.65	83	209242	57.301	ug/l	99
48) Methyl methacrylate	9.43	41	121814	60.088	ug/l	98
49) 1,4-Dioxane	9.45	88	21971	1046.013	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	643170	296.877	ug/l	100
52) Toluene	10.38	92	389690	56.613	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	219486	59.008	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	259664	57.816	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	112096	57.744	ug/l	100
56) Ethyl methacrylate	10.65	69	171808	60.809	ug/l	99
57) 1,3-Dichloropropane	10.93	76	212597	57.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	407704	281.169	ug/l	100
59) 2-Hexanone	10.97	43	435835	284.320	ug/l	100
60) Dibromochloromethane	11.13	129	127769	59.091	ug/l	99
61) 1,2-Dibromoethane	11.23	107	106370	58.815	ug/l	100
64) Tetrachloroethene	10.86	164	127099	55.688	ug/l	100
65) Chlorobenzene	11.66	112	392267	56.589	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	139375	57.634	ug/l	99
67) Ethyl Benzene	11.73	91	761022	56.992	ug/l	99
68) m/p-Xylenes	11.83	106	549724	114.289	ug/l	98
69) o-Xylene	12.16	106	256088	57.525	ug/l	99
70) Styrene	12.18	104	447952	58.134	ug/l	100
71) Bromoform	12.35	173	72434	60.119	ug/l #	99
73) Isopropylbenzene	12.46	105	710035	56.283	ug/l	99
74) N-amyl acetate	12.27	43	230174	60.389	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	132547	57.310	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	177924	108.509	ug/l #	100
77) Bromobenzene	12.74	156	156018	57.165	ug/l	99
78) n-propylbenzene	12.80	91	863215	56.049	ug/l	99
79) 2-Chlorotoluene	12.89	91	491208	56.178	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	596268	56.564	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44784	59.883	ug/l	97
82) 4-Chlorotoluene	12.99	91	513594	56.097	ug/l	100
83) tert-Butylbenzene	13.21	119	513510	57.507	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	600199	56.680	ug/l	100
85) sec-Butylbenzene	13.38	105	720028	56.282	ug/l	100
86) p-Isopropyltoluene	13.50	119	648401	56.753	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	299695	56.141	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	296835	56.001	ug/l	100
89) n-Butylbenzene	13.82	91	640502	56.375	ug/l	99
90) Hexachloroethane	14.09	117	114291	57.018	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	265829	56.764	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22088	56.650	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	189216	58.467	ug/l	99
94) Hexachlorobutadiene	15.24	225	120570	56.422	ug/l	98
95) Naphthalene	15.36	128	363246	56.577	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	168781	59.776	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

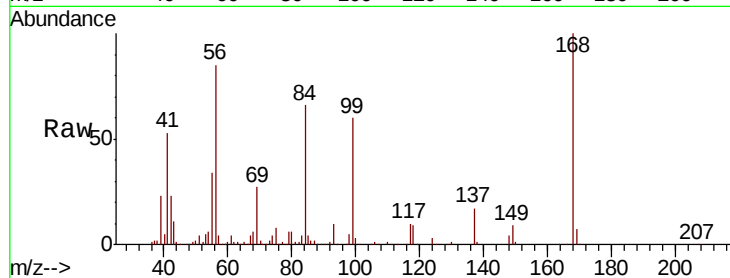
VSTDCCC050EC

Tgt Ion:168 Resp: 250270

Ion Ratio Lower Upper

168 100

99 59.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

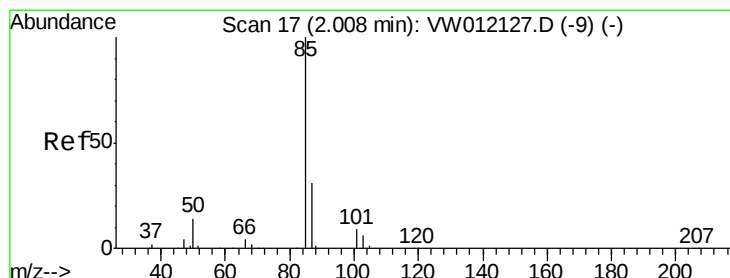
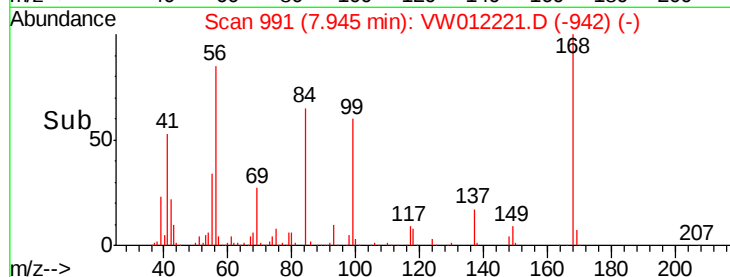
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 53.779 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012221.D

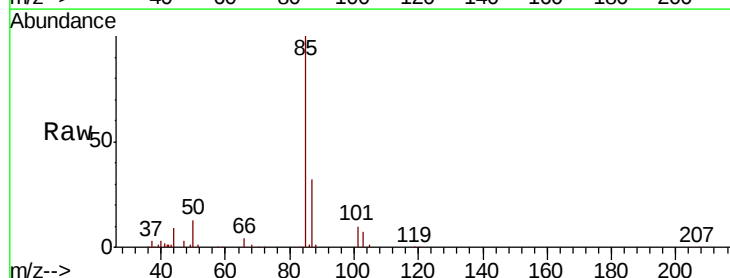
Acq: 27 Aug 2019 19:27

Tgt Ion: 85 Resp: 82874

Ion Ratio Lower Upper

85 100

87 31.9 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

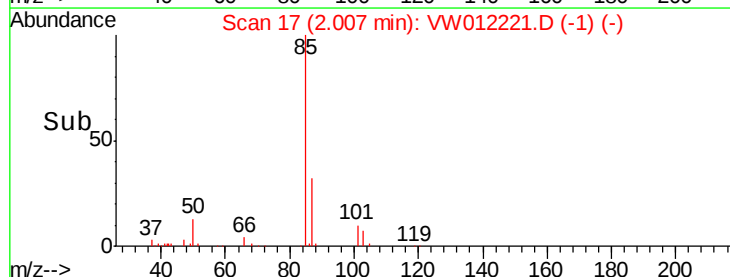
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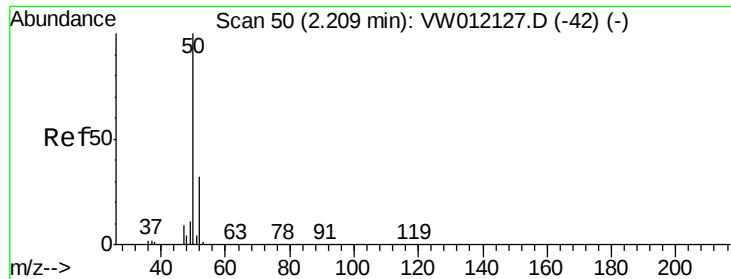
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10000

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Time--> 1.90 2.00 2.10 2.20 2.30

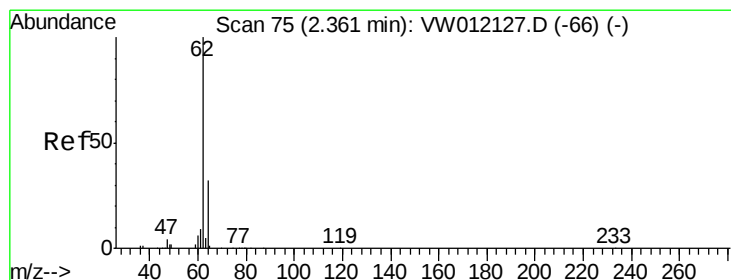
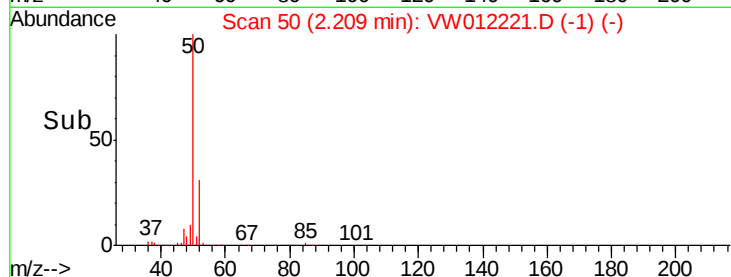
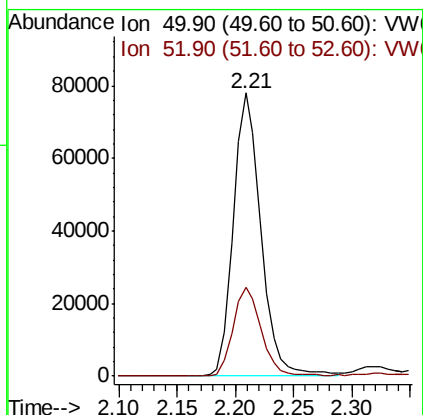
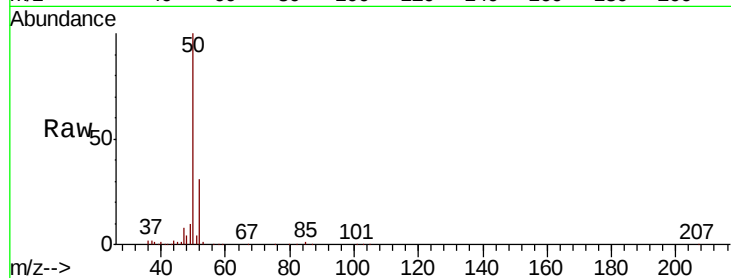




#3
Chloromethane
Concen: 53.765 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

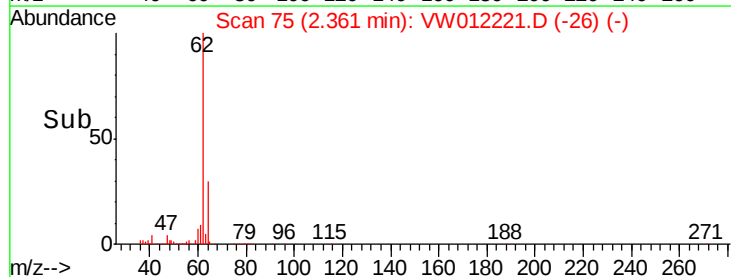
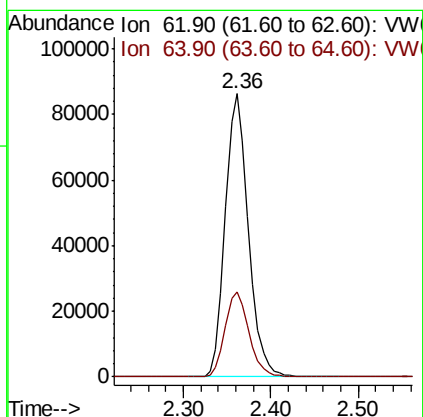
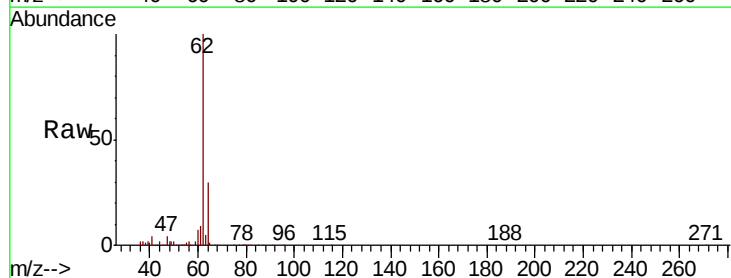
Instrument :
MSVOA_W
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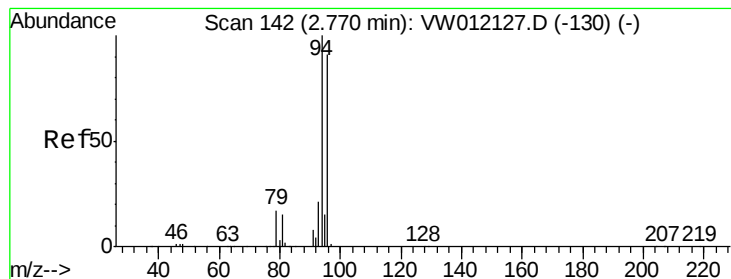
Tgt Ion: 50 Resp: 128363
Ion Ratio Lower Upper
50 100
52 31.3 25.5 38.3



#4
Vinyl Chloride
Concen: 53.978 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 62 Resp: 157733
Ion Ratio Lower Upper
62 100
64 29.9 25.3 37.9





#5

Bromomethane

Concen: 57.610 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

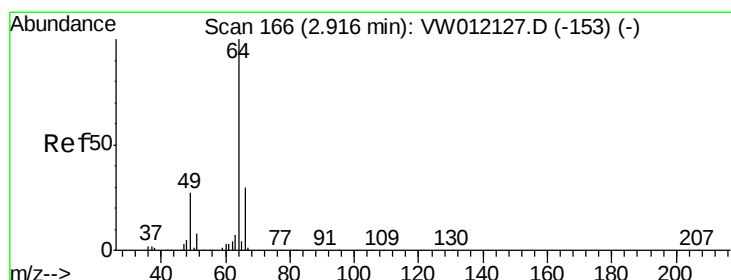
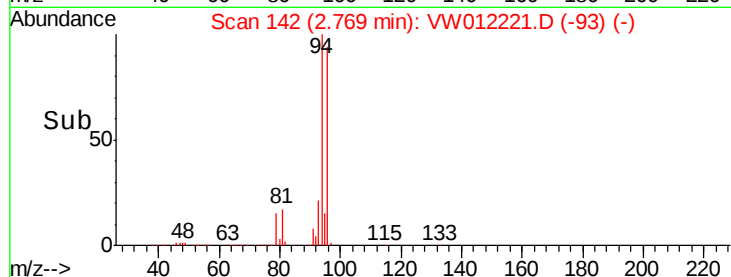
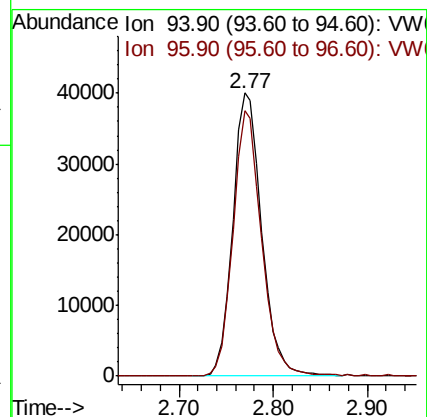
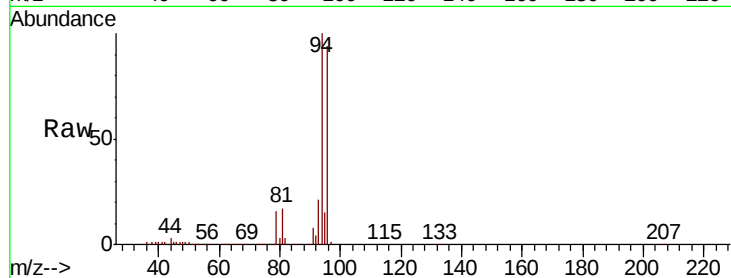
VSTDCCC050EC

Tgt Ion: 94 Resp: 85257

Ion Ratio Lower Upper

94 100

96 93.6 72.9 109.3



#6

Chloroethane

Concen: 56.553 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012221.D

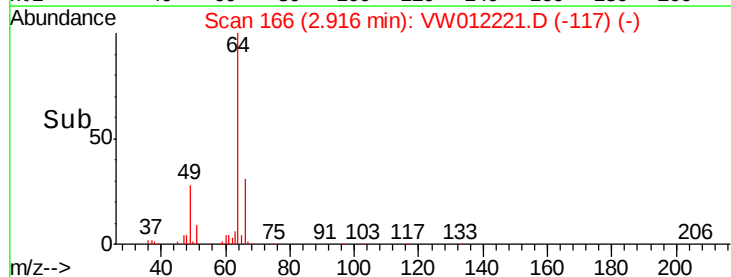
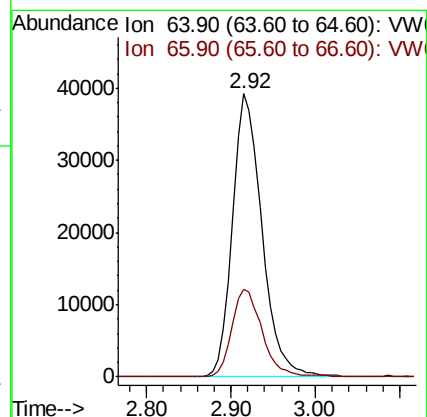
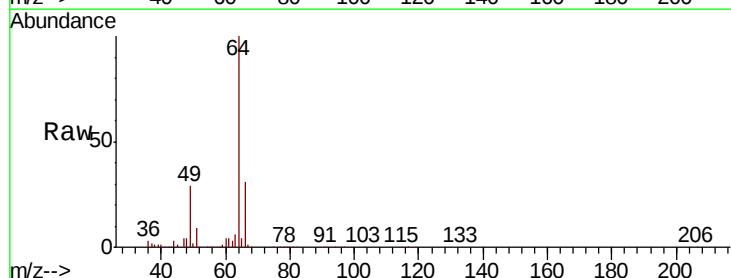
Acq: 27 Aug 2019 19:27

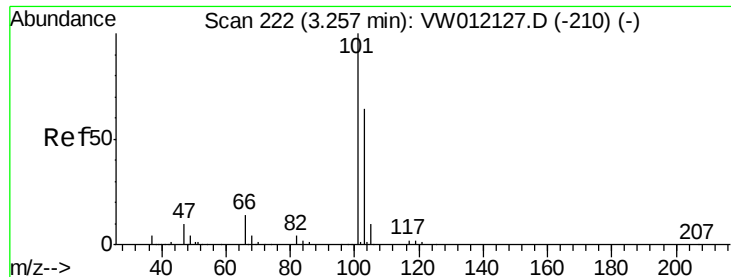
Tgt Ion: 64 Resp: 93224

Ion Ratio Lower Upper

64 100

66 30.7 23.8 35.8



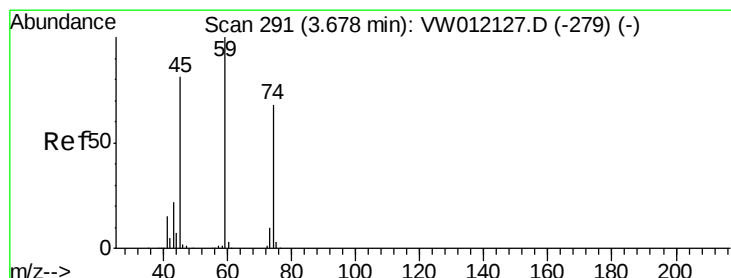
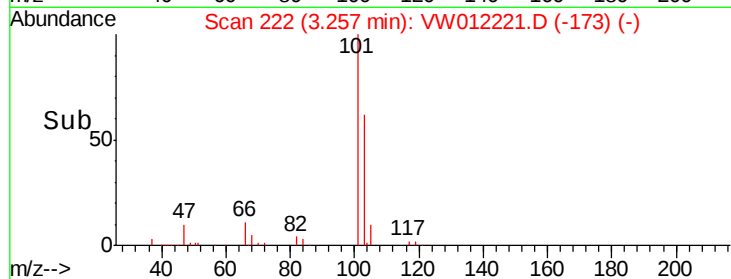
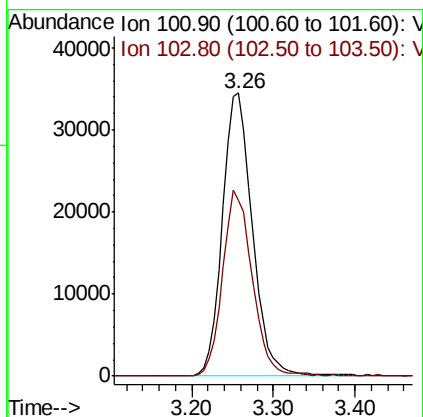
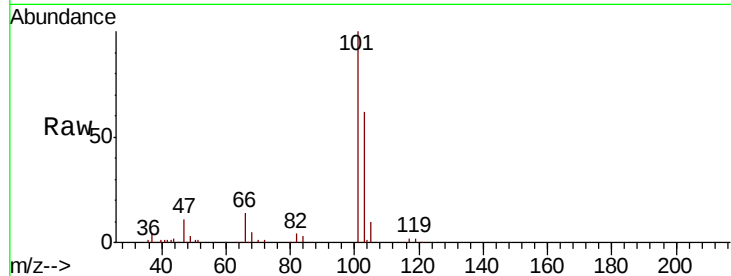


#7

Trichlorofluoromethane
 Concen: 59.723 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
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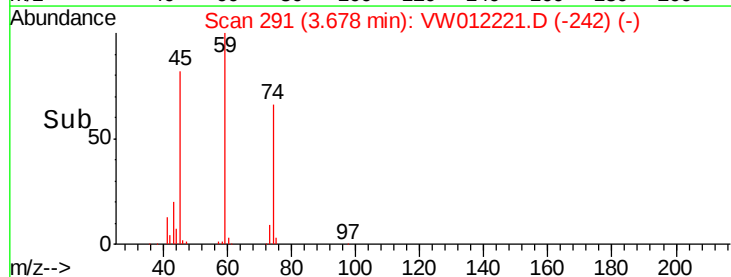
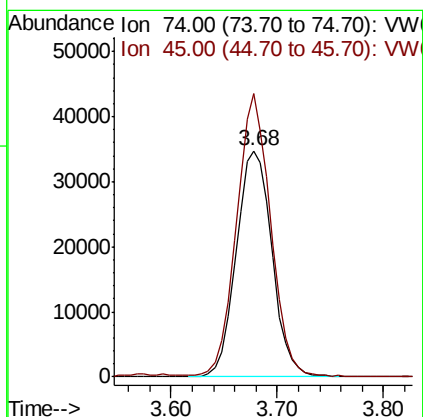
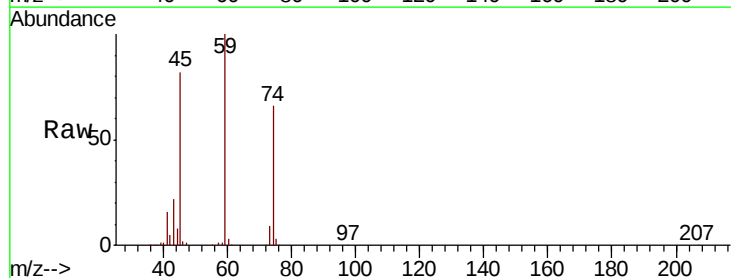
Tgt Ion:101 Resp: 87632
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.2 76.8

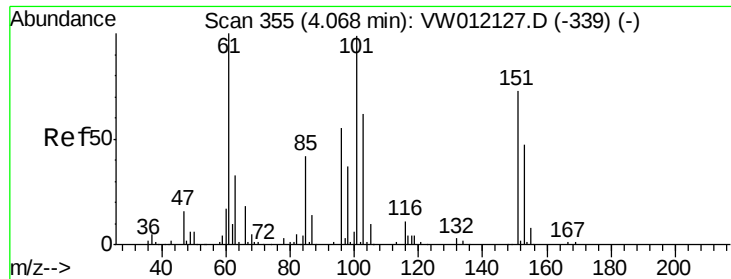


#8

Diethyl Ether
 Concen: 58.833 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion: 74 Resp: 81939
 Ion Ratio Lower Upper
 74 100
 45 119.0 59.2 177.6

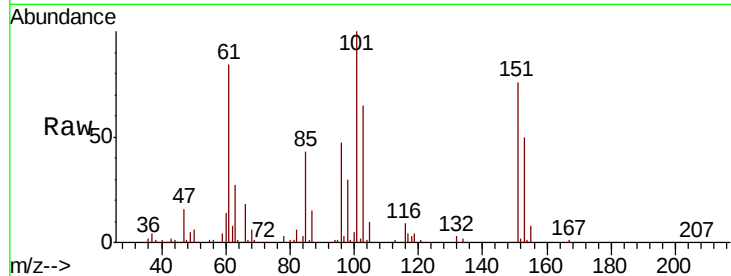




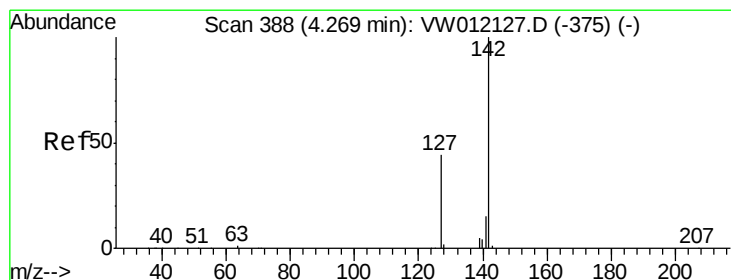
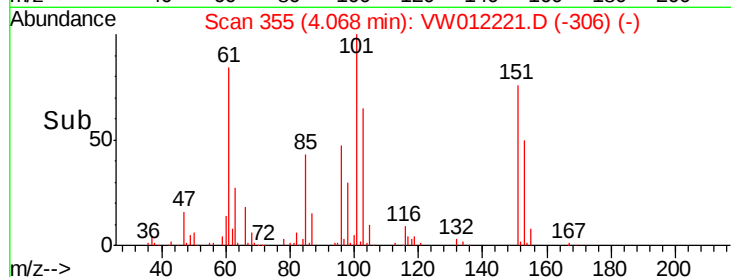
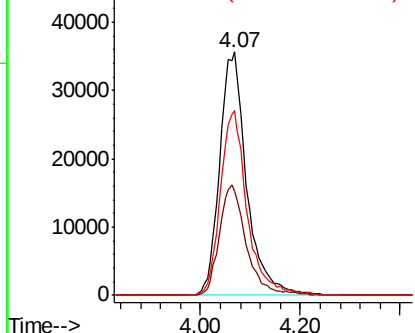
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.648 ug/l
 RT: 4.07 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VW012221.D
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Instrument :
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Tgt Ion:101 Resp: 133803
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.8 53.6
 151 75.3 58.6 87.8

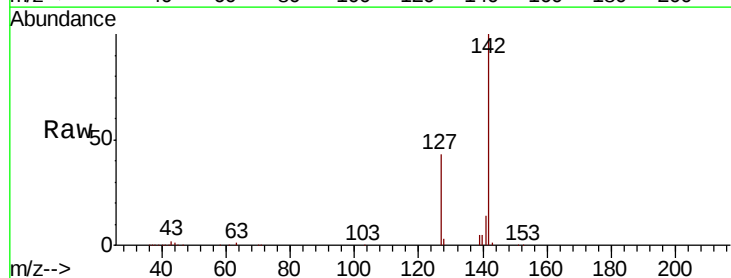


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

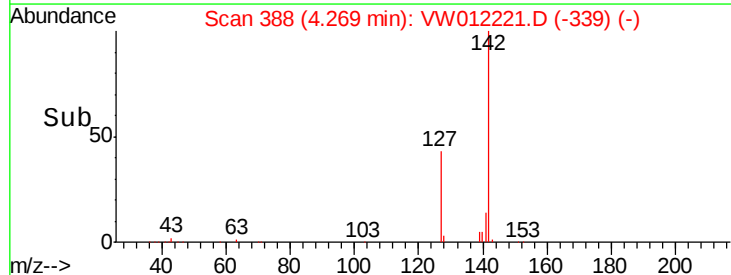
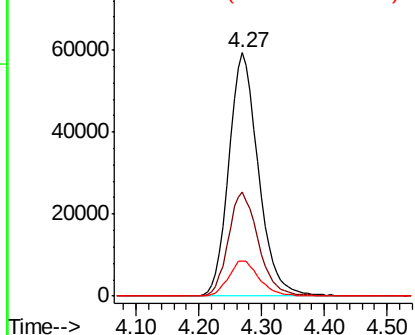


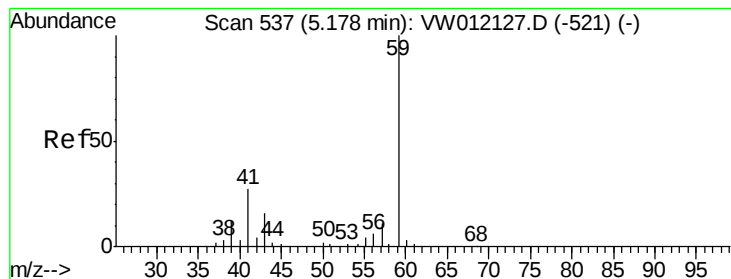
#10
 Methyl Iodide
 Concen: 57.376 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion:142 Resp: 193620
 Ion Ratio Lower Upper
 142 100
 127 43.4 35.5 53.3
 141 15.0 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



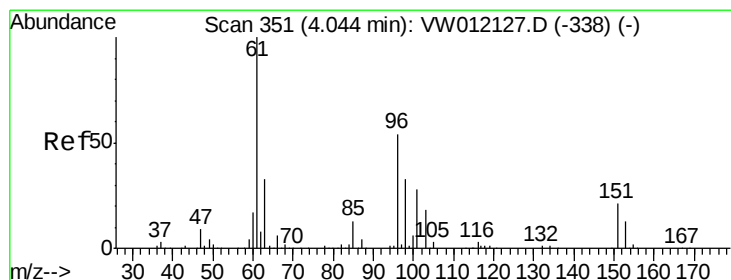
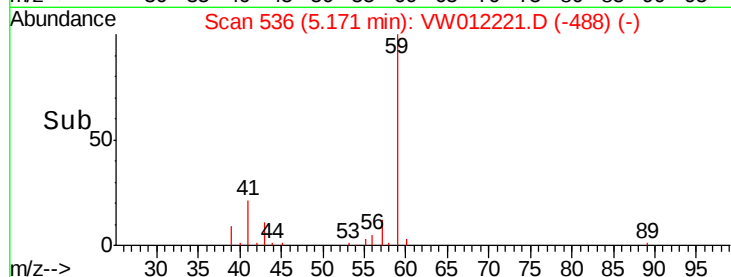
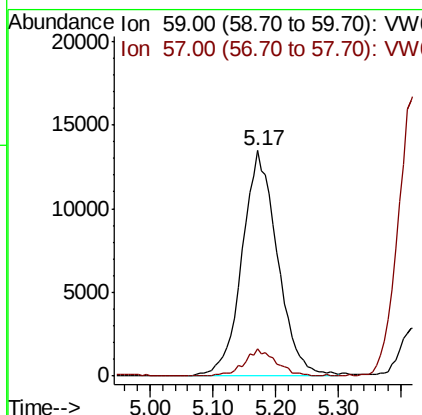
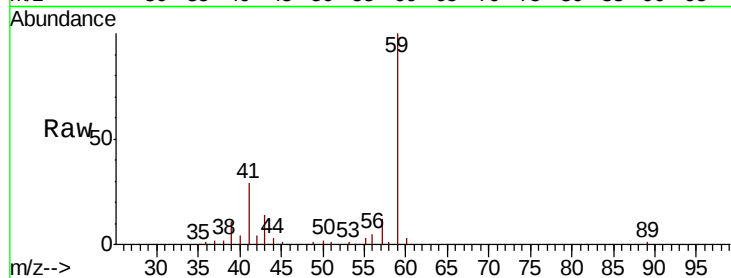


#11

Tert butyl alcohol
 Concen: 294.214 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

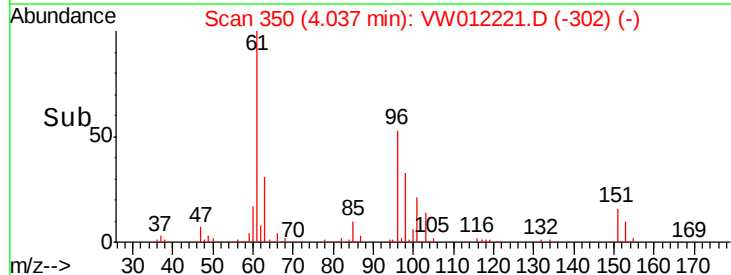
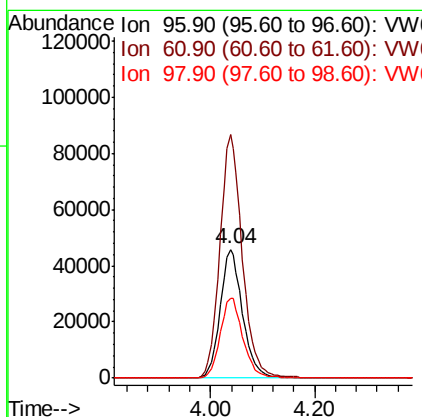
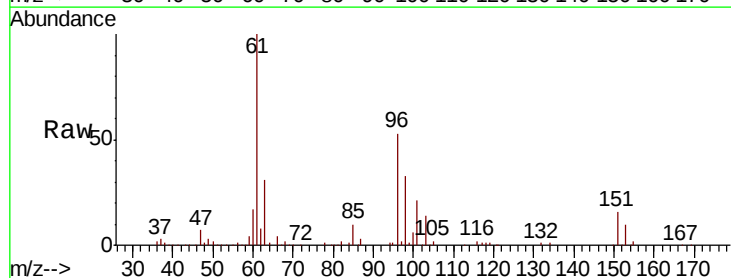
Tgt Ion: 59 Resp: 52676
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.4

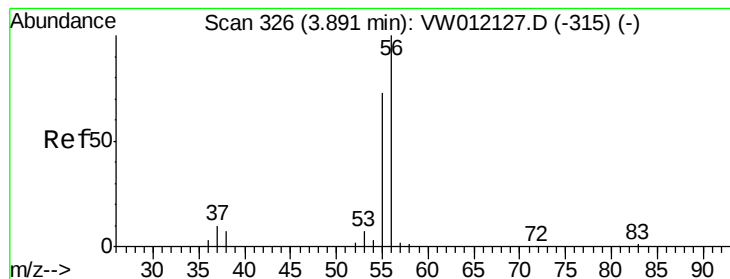


#12

1,1-Dichloroethene
 Concen: 55.103 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion: 96 Resp: 138326
 Ion Ratio Lower Upper
 96 100
 61 189.6 149.1 223.7
 98 61.8 49.4 74.2





#13

Acrolein

Concen: 219.795 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

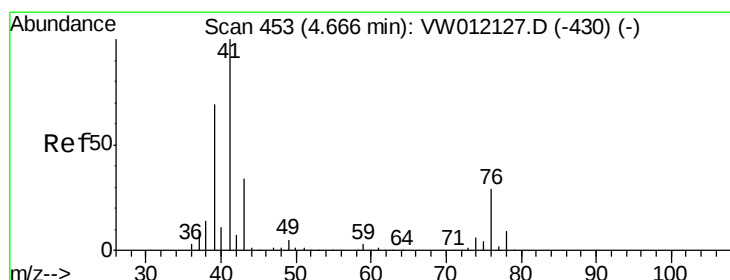
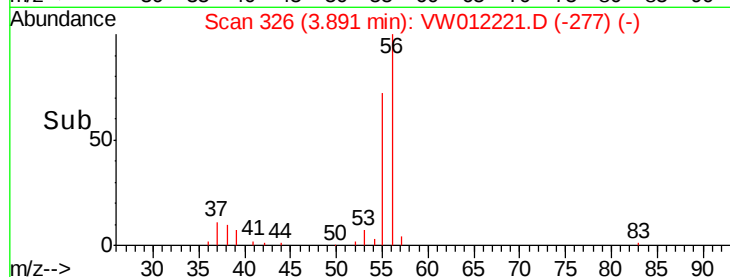
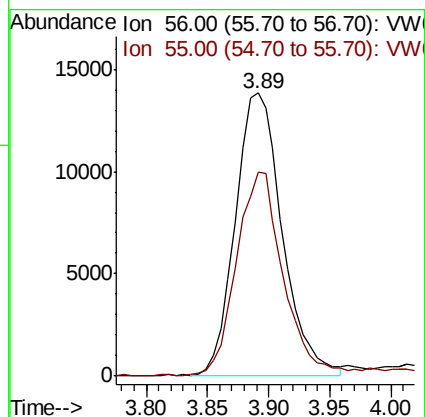
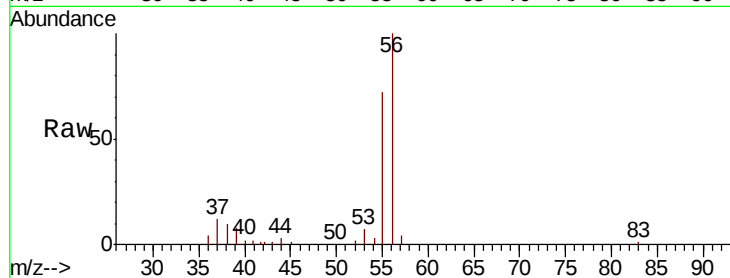
VSTDCCC050EC

Tgt Ion: 56 Resp: 37043

Ion Ratio Lower Upper

56 100

55 71.6 55.8 83.8



#14

Allyl chloride

Concen: 57.992 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

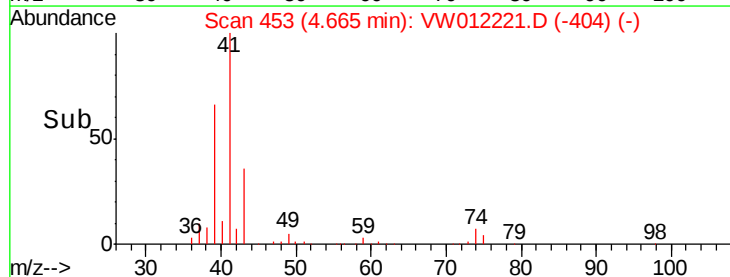
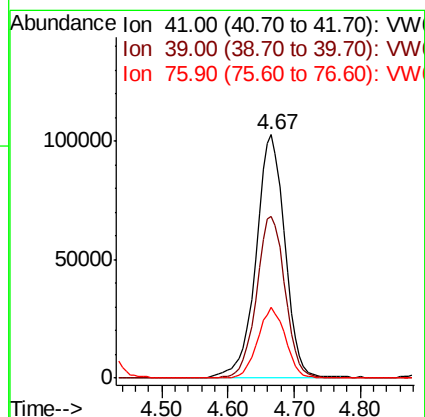
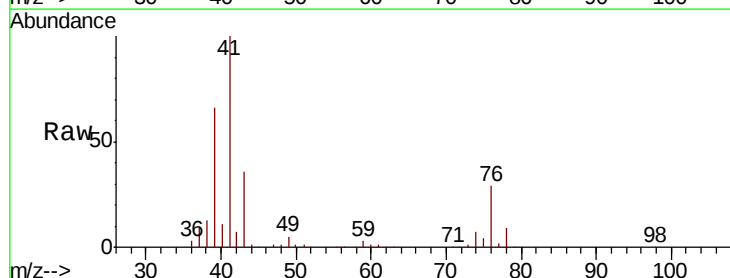
Tgt Ion: 41 Resp: 311224

Ion Ratio Lower Upper

41 100

39 66.0 53.4 80.2

76 27.6 22.1 33.1





#15

Acrylonitrile

Concen: 291.740 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

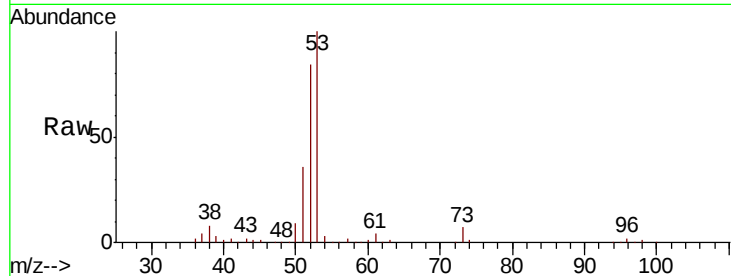
Tgt Ion: 53 Resp: 201397

Ion Ratio Lower Upper

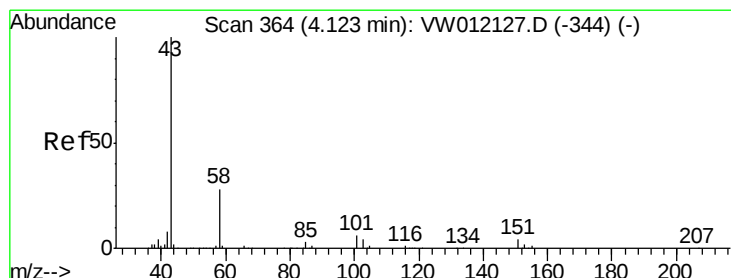
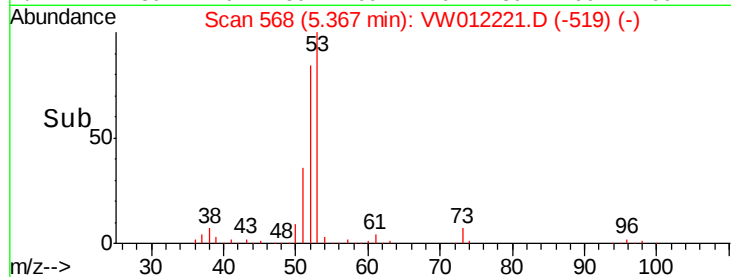
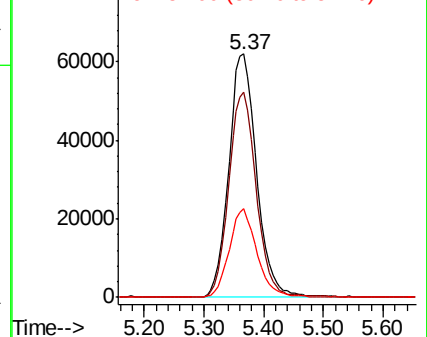
53 100

52 83.0 66.7 100.1

51 36.4 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 236.720 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012221.D

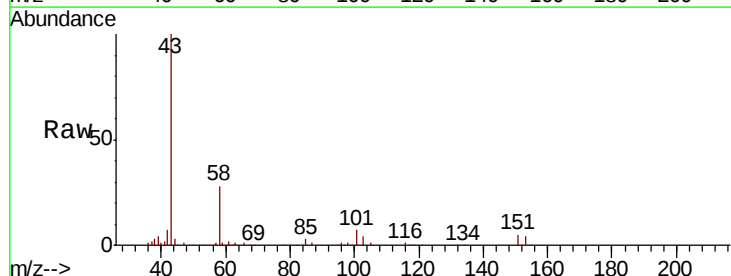
Acq: 27 Aug 2019 19:27

Tgt Ion: 43 Resp: 180025

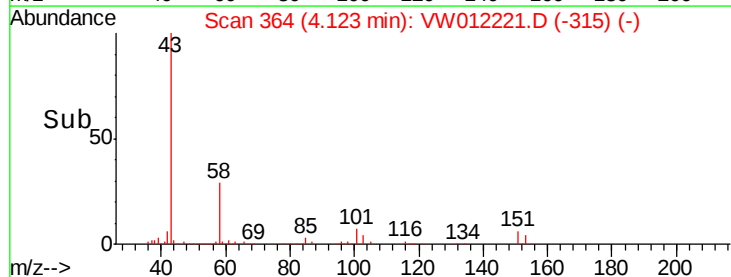
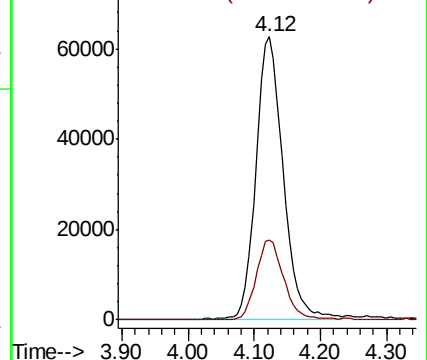
Ion Ratio Lower Upper

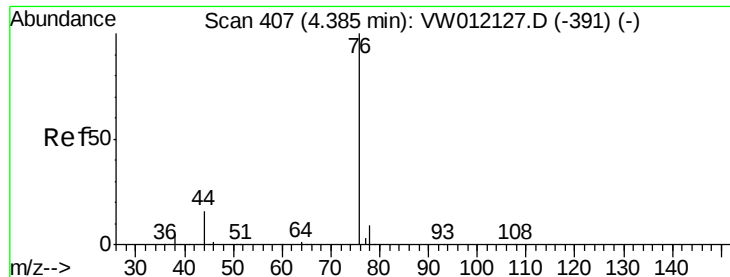
43 100

58 28.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

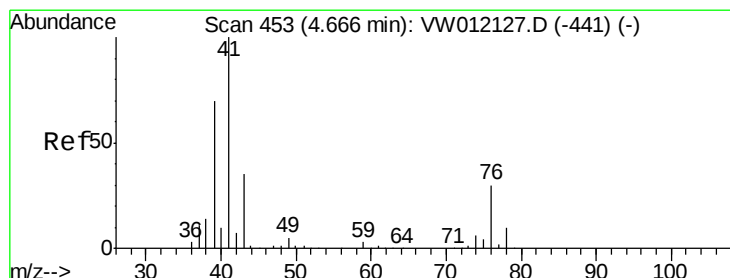
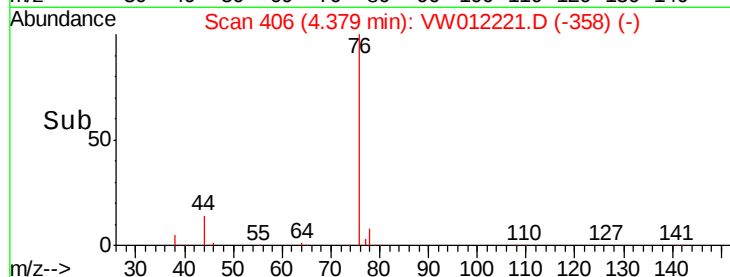
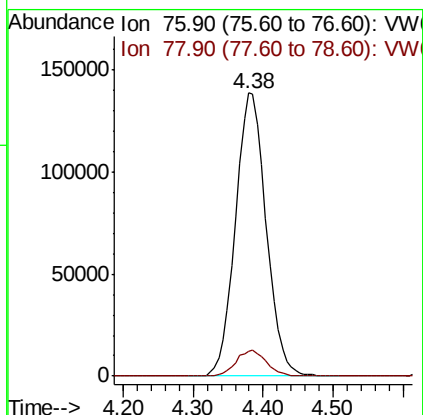
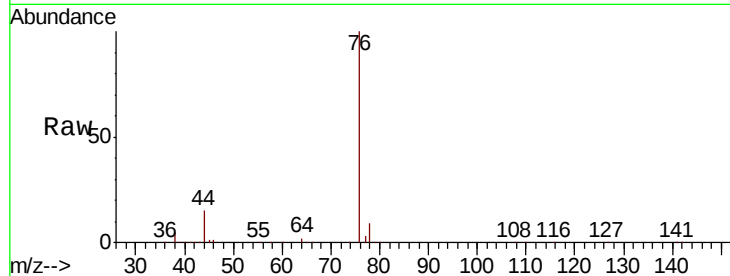




#17
Carbon Disulfide
Concen: 55.759 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

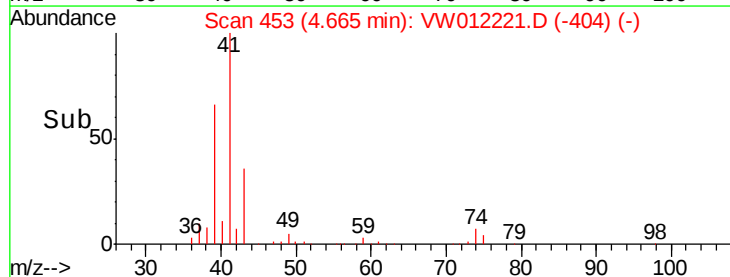
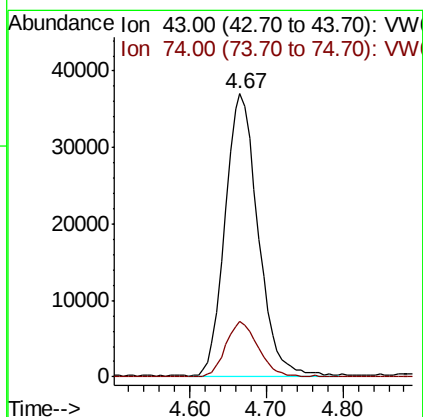
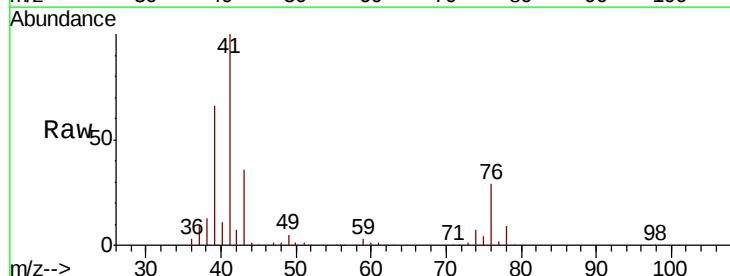
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

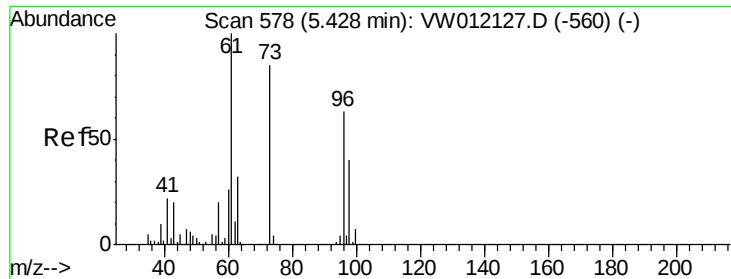
Tgt Ion: 76 Resp: 423023
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 58.344 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 43 Resp: 109897
Ion Ratio Lower Upper
43 100
74 19.2 15.7 23.5

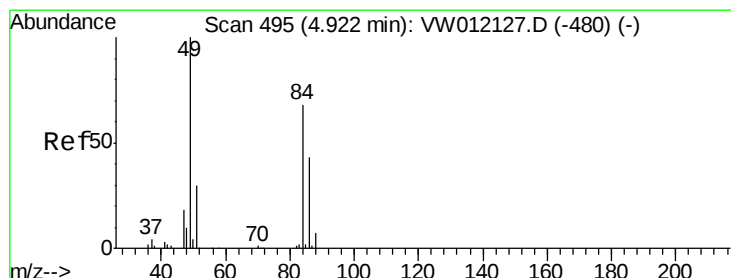
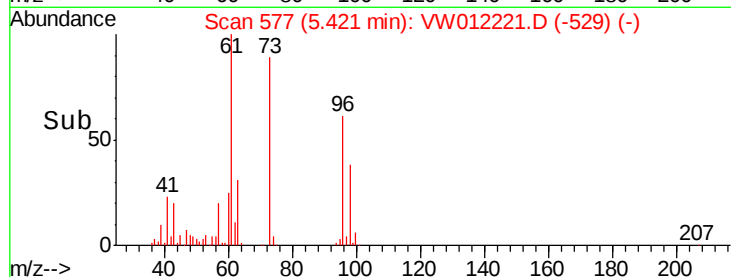
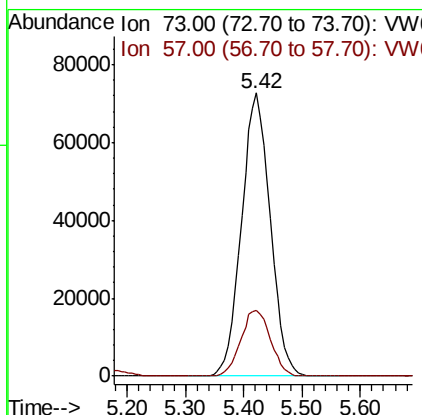
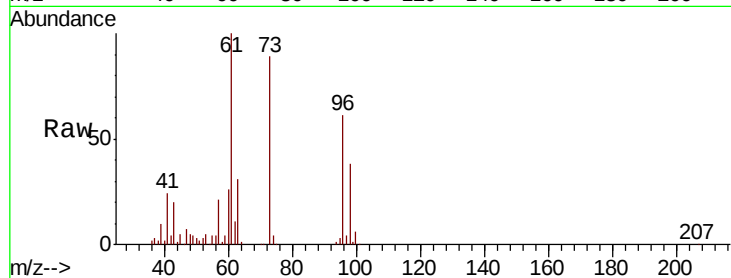




#19
Methyl tert-butyl Ether
Concen: 61.018 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

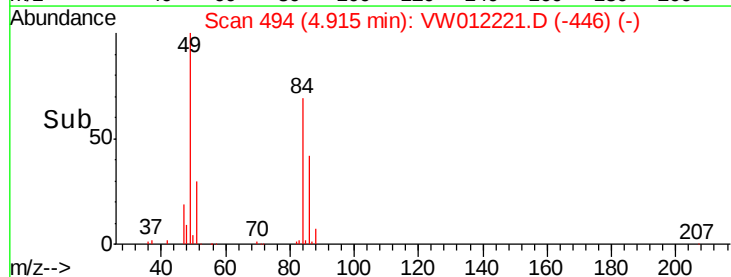
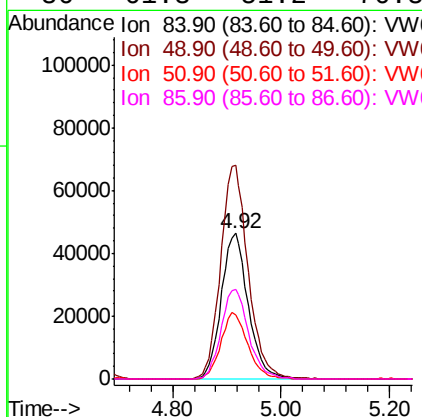
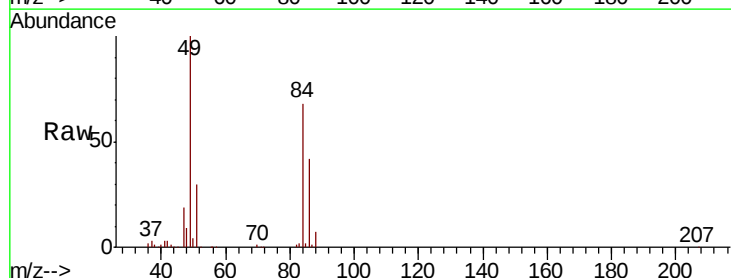
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

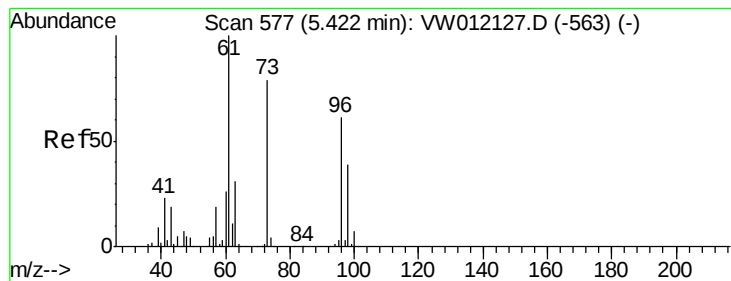
Tgt Ion: 73 Resp: 247708
Ion Ratio Lower Upper
73 100
57 23.3 18.9 28.3



#20
Methylene Chloride
Concen: 55.661 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 84 Resp: 160025
Ion Ratio Lower Upper
84 100
49 146.6 117.8 176.8
51 43.9 35.6 53.4
86 61.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 56.538 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

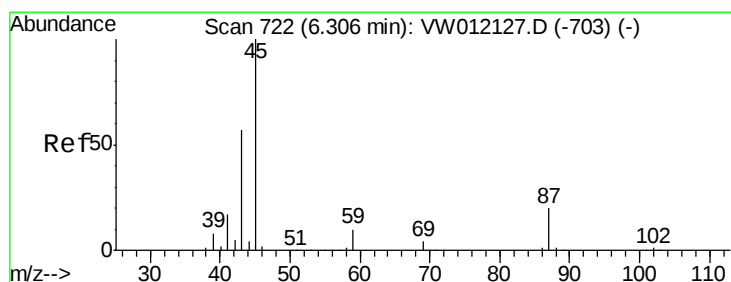
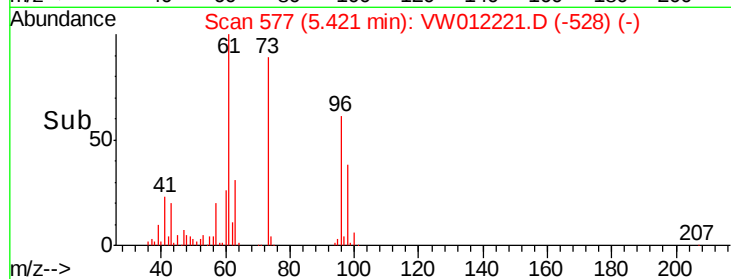
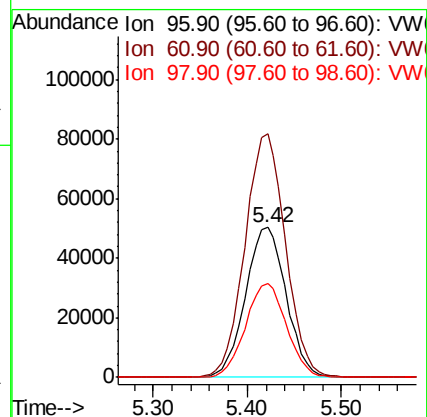
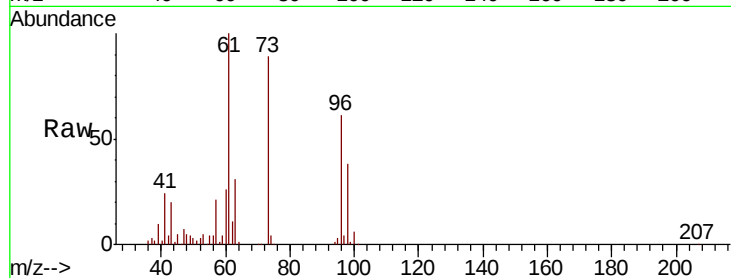
Tgt Ion: 96 Resp: 152198

Ion Ratio Lower Upper

96 100

61 162.8 131.4 197.0

98 62.7 51.4 77.0



#22

Diisopropyl ether

Concen: 58.467 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Tgt Ion: 45 Resp: 581615

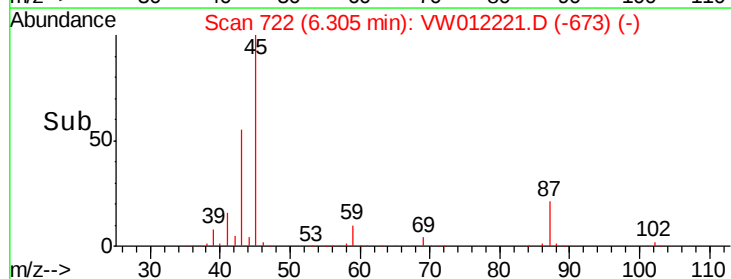
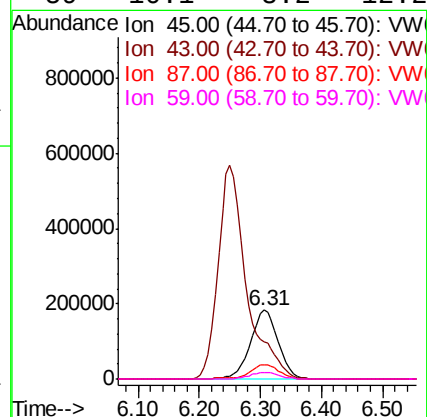
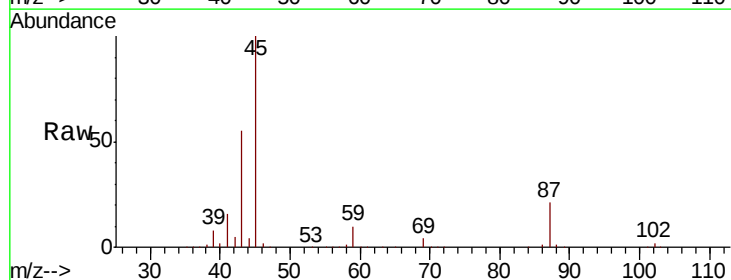
Ion Ratio Lower Upper

45 100

43 54.1 45.5 68.3

87 20.6 16.1 24.1

59 10.1 8.2 12.2

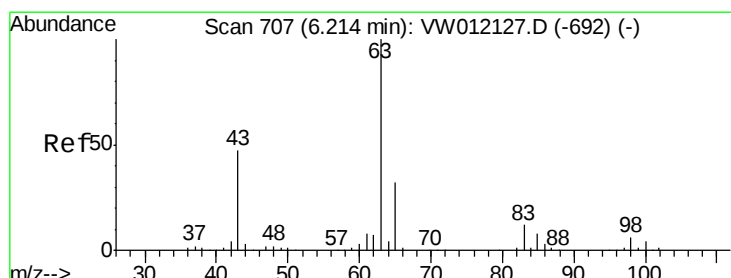
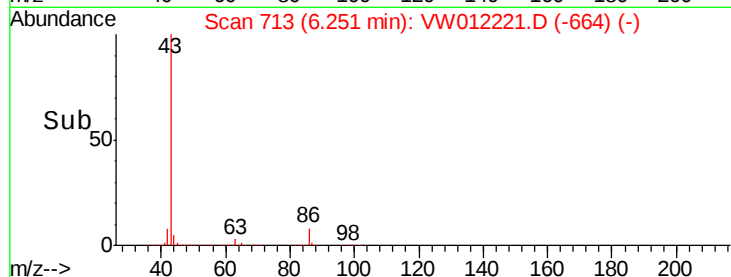
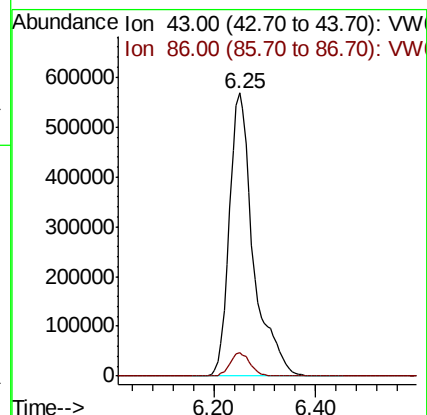
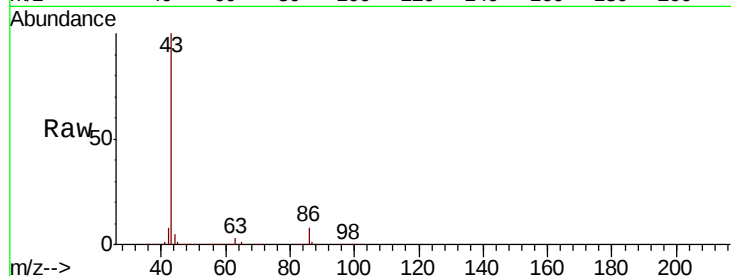




#23
 Vinyl Acetate
 Concen: 302.467 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

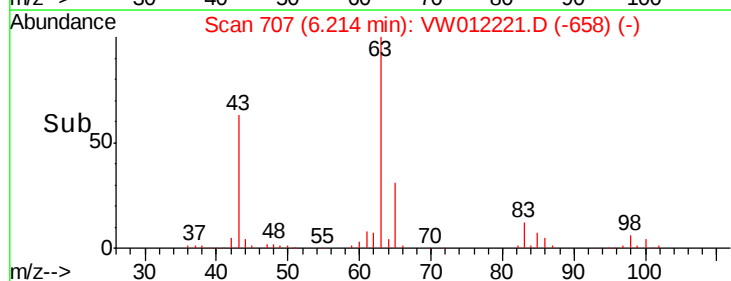
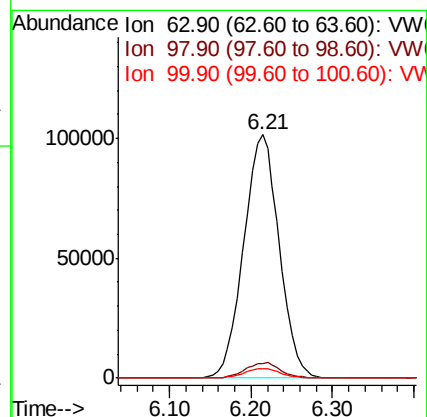
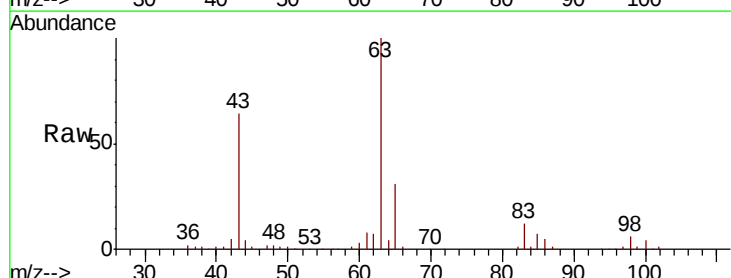
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

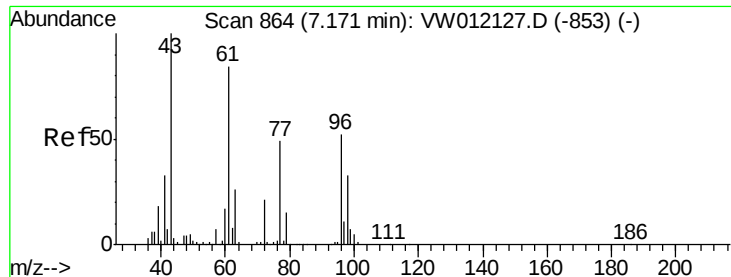
Tgt Ion: 43 Resp: 1851695
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 56.505 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion: 63 Resp: 306052
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 276.346 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

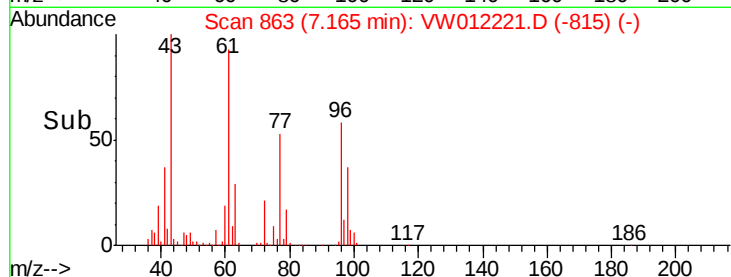
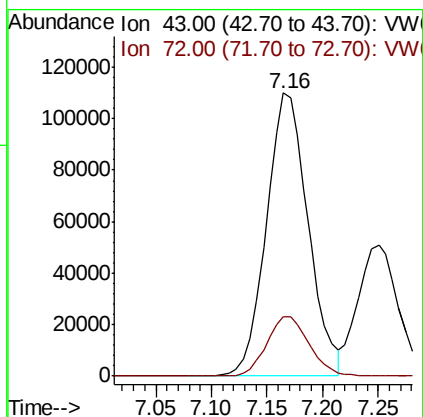
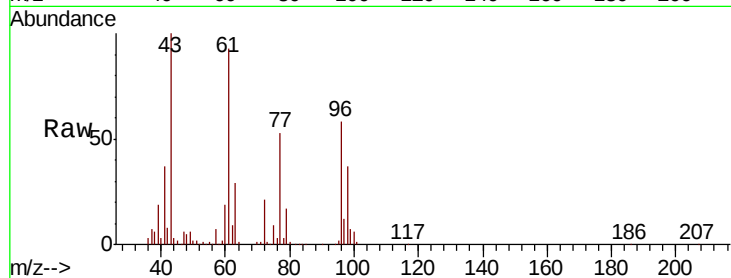
VSTDCCC050EC

Tgt Ion: 43 Resp: 285584

Ion Ratio Lower Upper

43 100

72 21.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 56.337 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012221.D

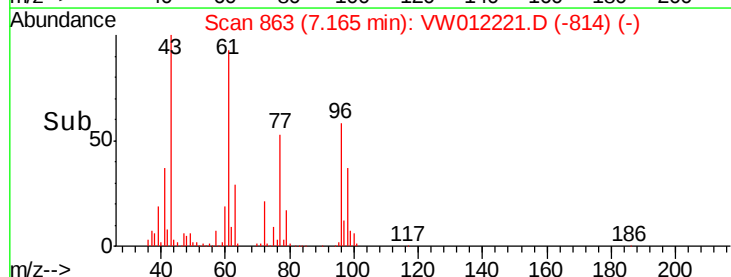
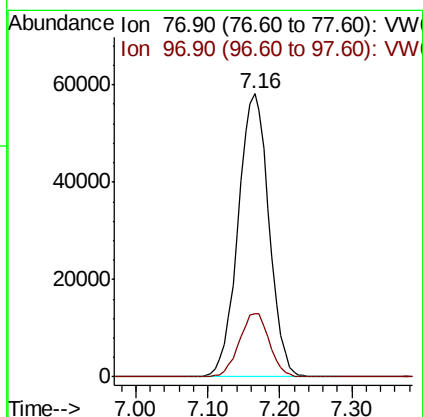
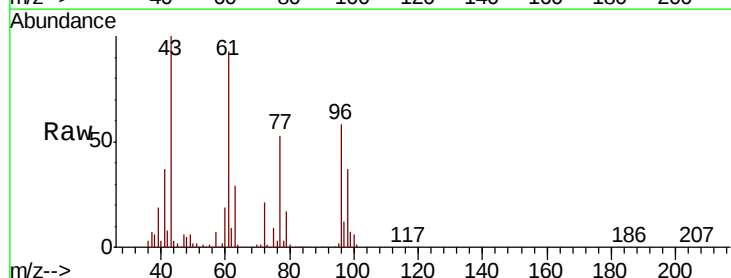
Acq: 27 Aug 2019 19:27

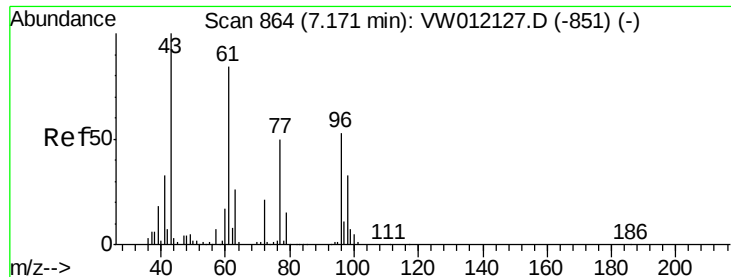
Tgt Ion: 77 Resp: 172714

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1



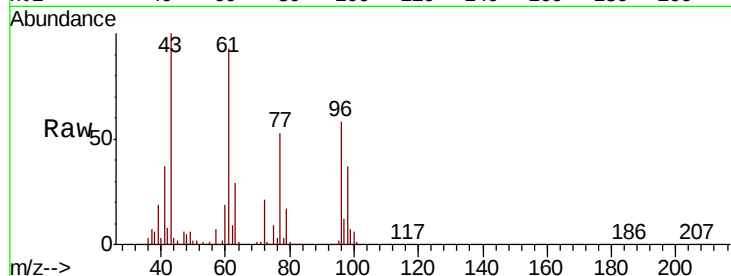


#27

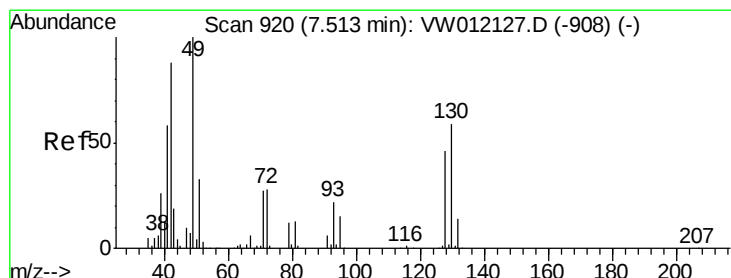
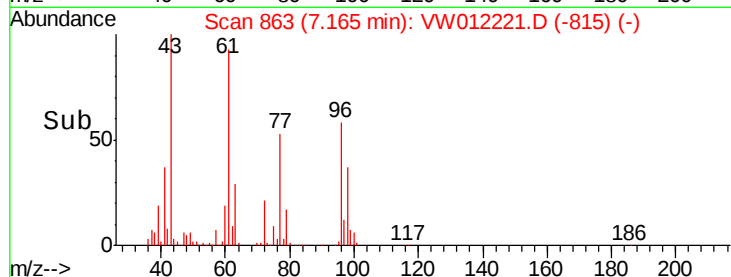
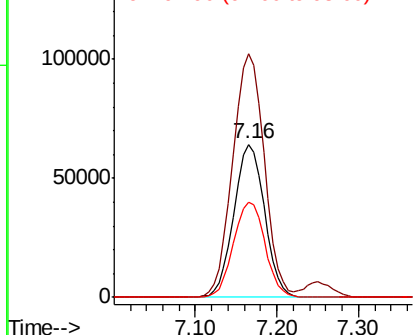
cis-1,2-Dichloroethene
 Concen: 58.204 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 167400
 Ion Ratio Lower Upper
 96 100
 61 164.0 0.0 326.6
 98 64.0 0.0 127.4



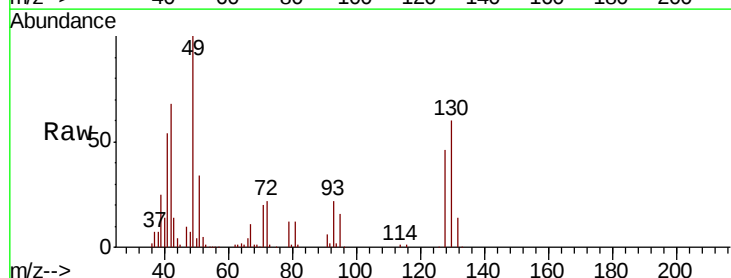
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



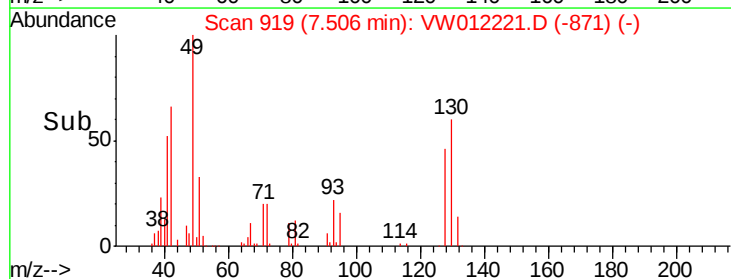
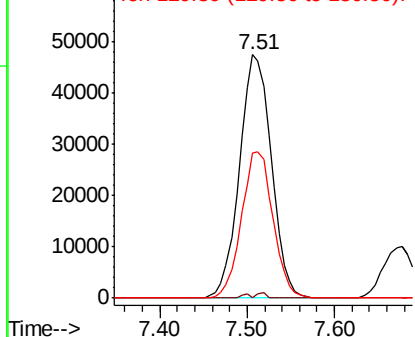
#28

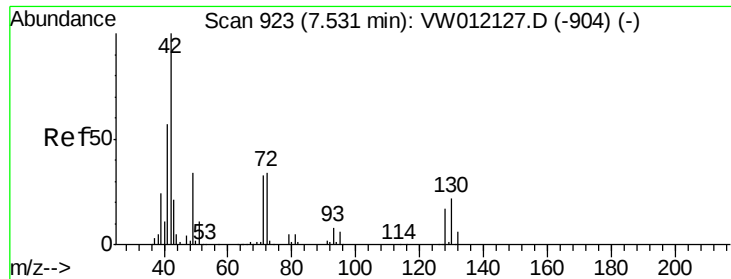
Bromochloromethane
 Concen: 51.131 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion: 49 Resp: 120706
 Ion Ratio Lower Upper
 49 100
 129 0.5 0.0 1.4
 130 59.1 45.5 68.3



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

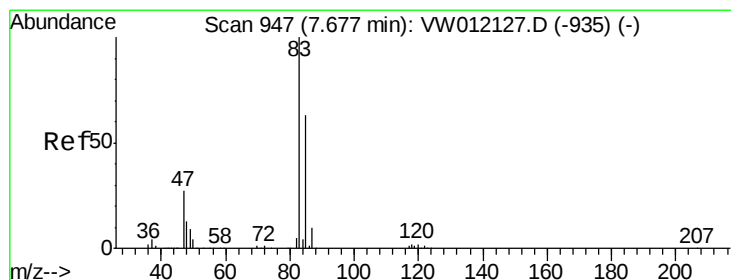
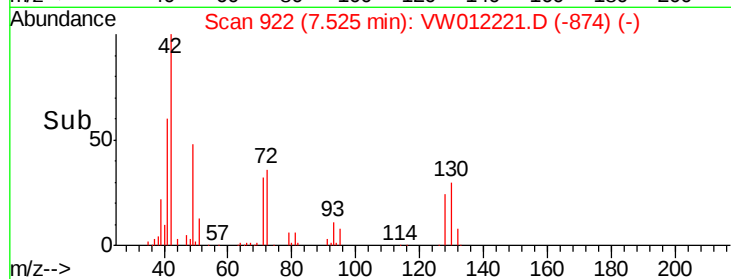
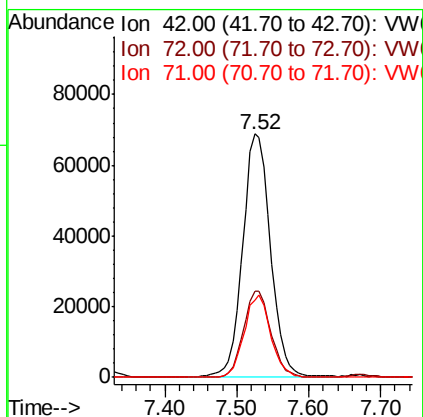
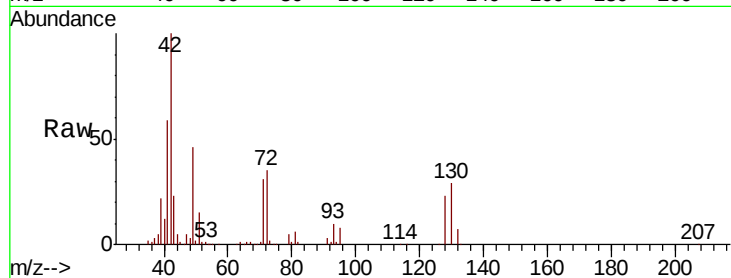




#29
Tetrahydrofuran
Concen: 297.635 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

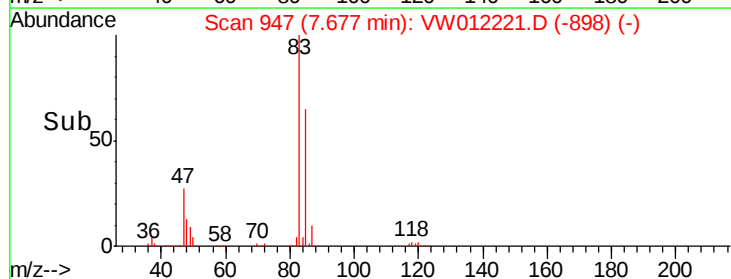
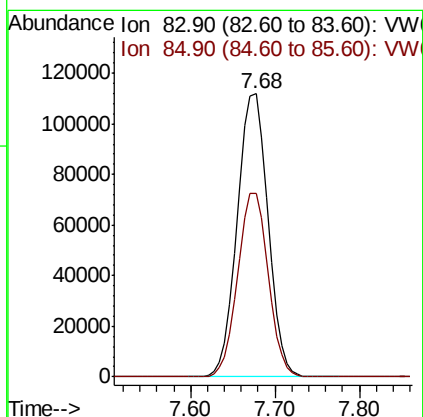
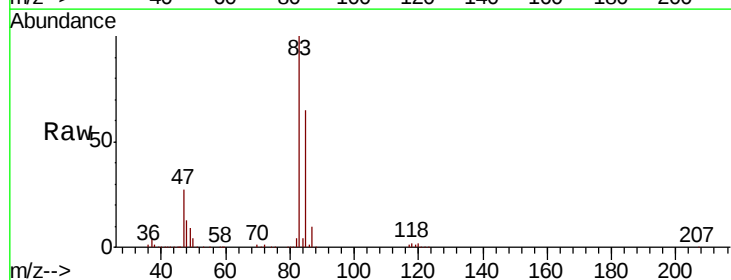
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

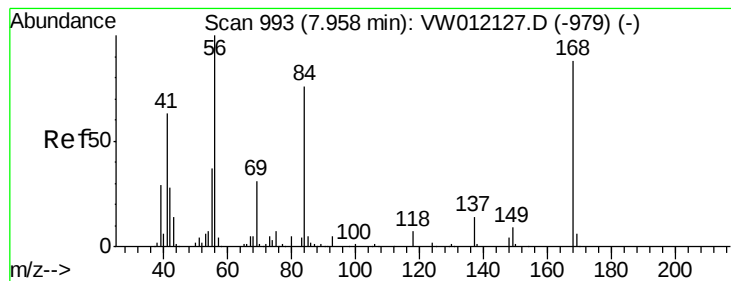
Tgt Ion: 42 Resp: 184538
Ion Ratio Lower Upper
42 100
72 34.7 27.3 40.9
71 32.3 25.5 38.3



#30
Chloroform
Concen: 55.726 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 83 Resp: 276144
Ion Ratio Lower Upper
83 100
85 64.7 50.6 76.0





#31

Cyclohexane

Concen: 51.956 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

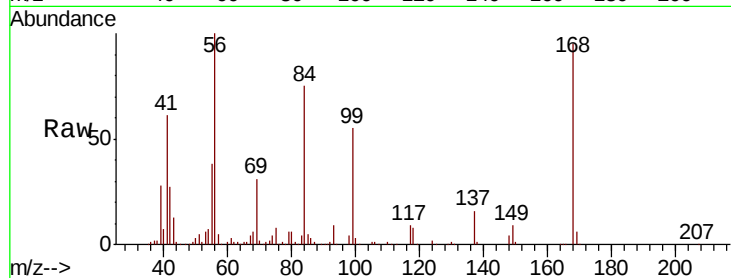
Tgt Ion: 56 Resp: 278420

Ion Ratio Lower Upper

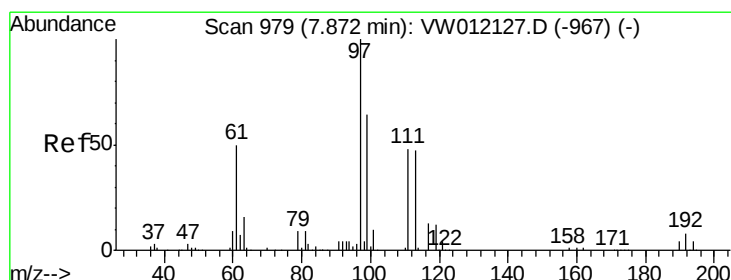
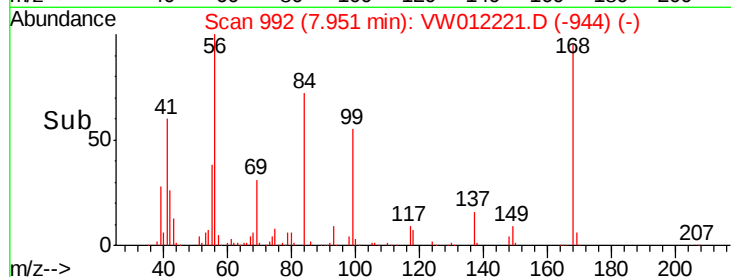
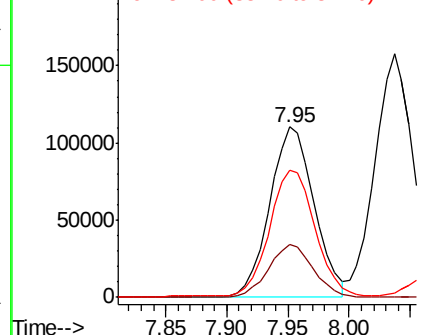
56 100

69 30.9 24.9 37.3

84 73.8 60.6 90.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 56.538 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

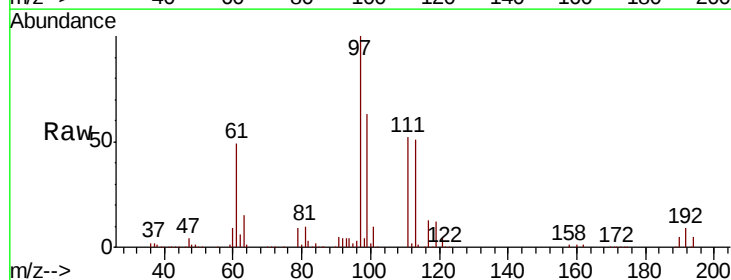
Tgt Ion: 97 Resp: 221633

Ion Ratio Lower Upper

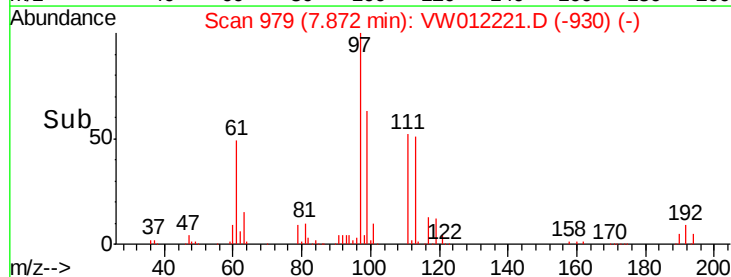
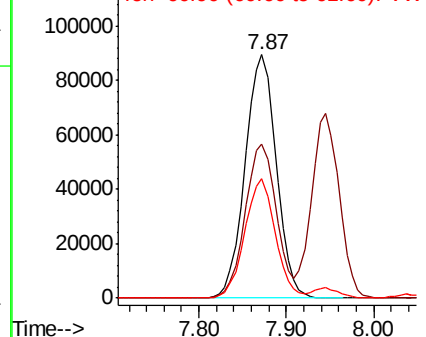
97 100

99 63.8 51.4 77.0

61 48.0 39.5 59.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

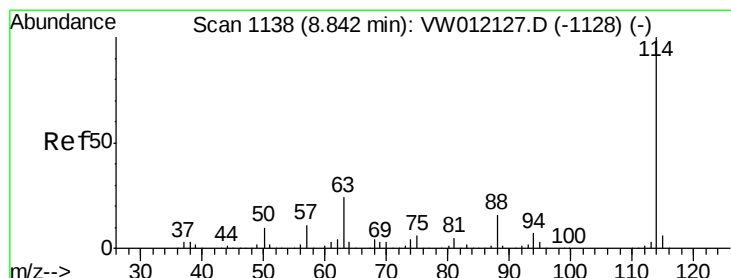
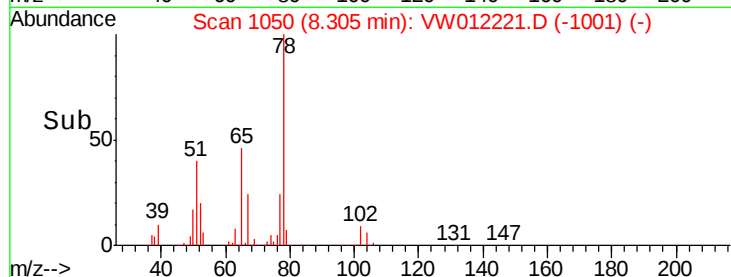
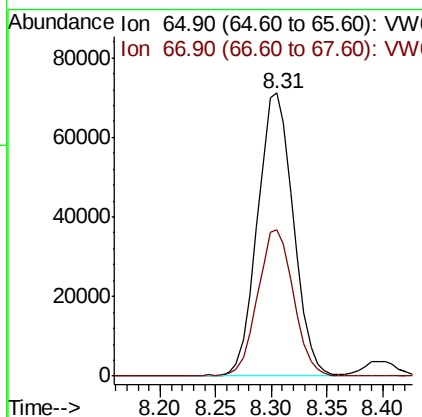
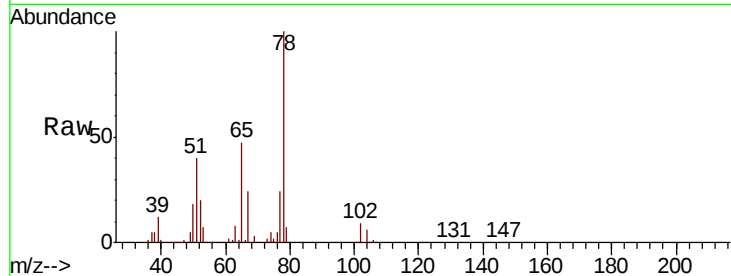




#33
 1,2-Dichloroethane-d4
 Concen: 53.616 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

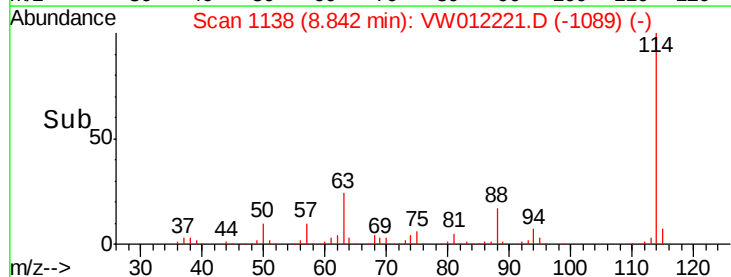
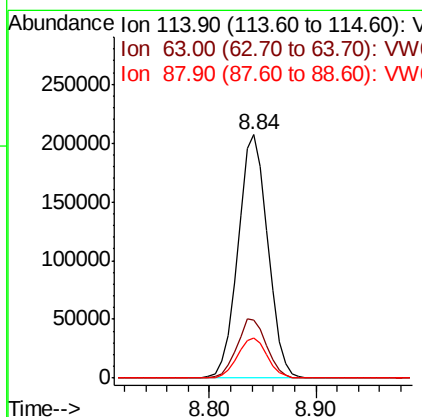
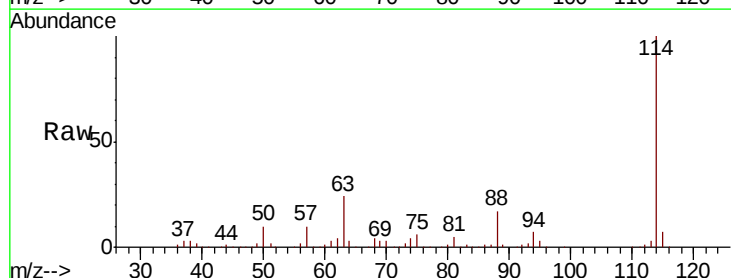
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 159512
 Ion Ratio Lower Upper
 65 100
 67 51.9 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: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion: 114 Resp: 406070
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.6
 88 16.7 0.0 32.2

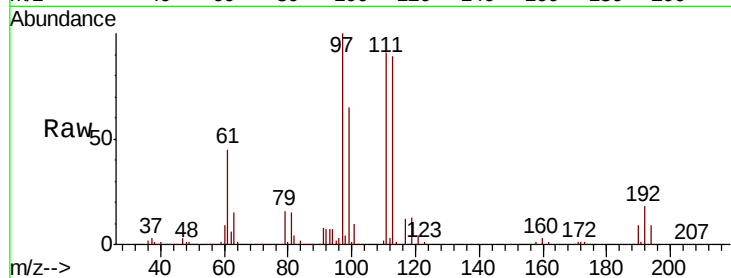




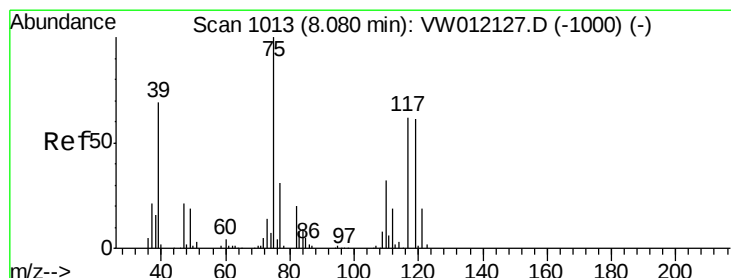
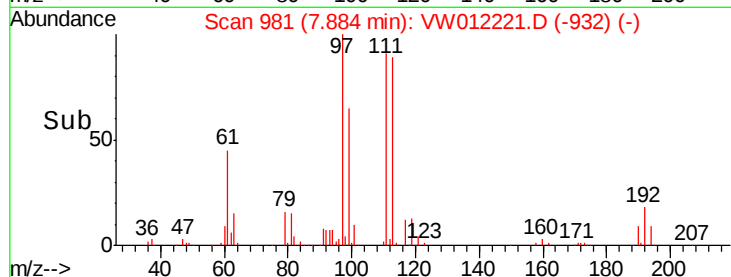
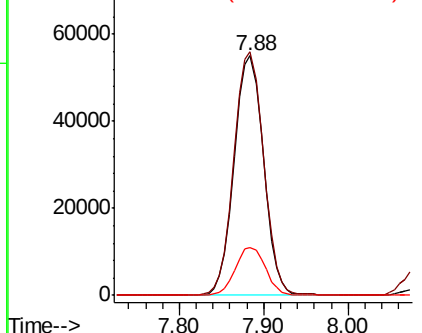
#35
 Dibromofluoromethane
 Concen: 53.628 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.7	124.1
192	20.3	16.2	24.2

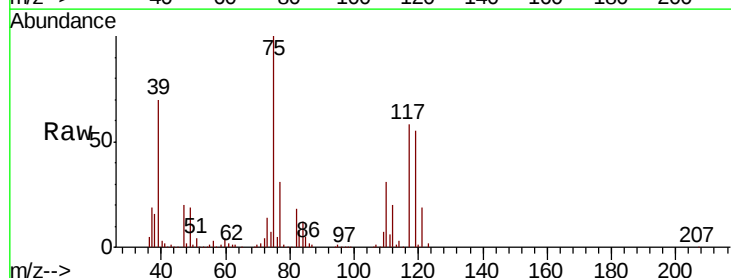


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

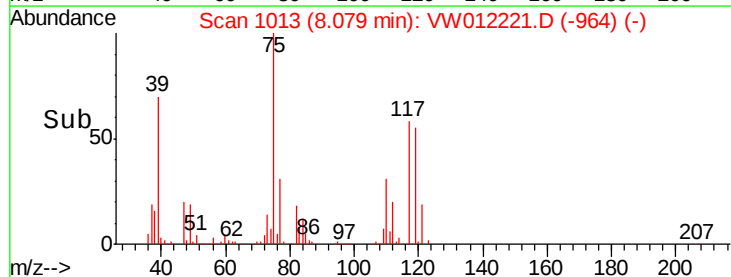
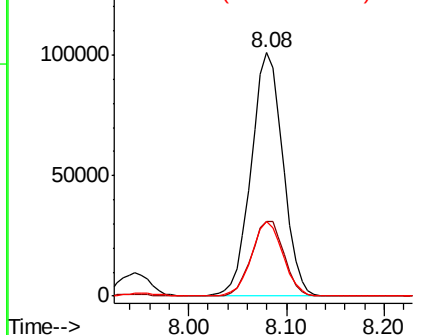


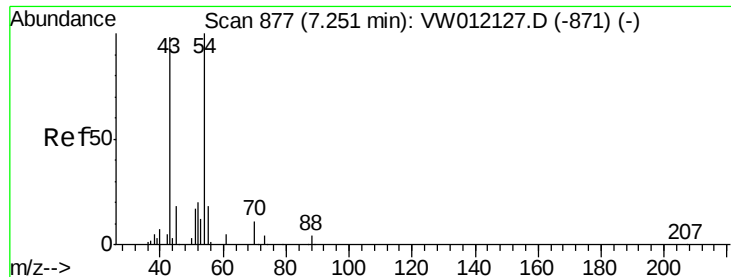
#36
 1,1-Dichloropropene
 Concen: 54.601 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.6	46.8
77	30.6	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

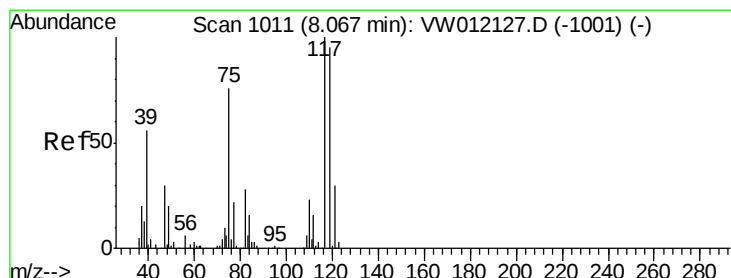
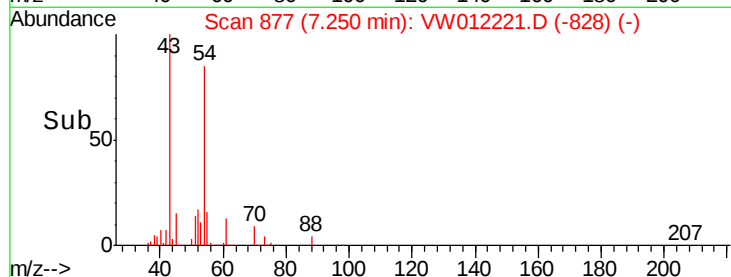
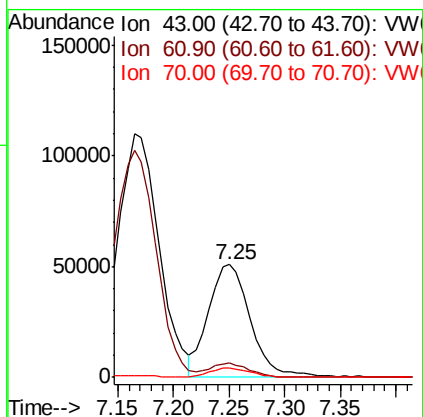
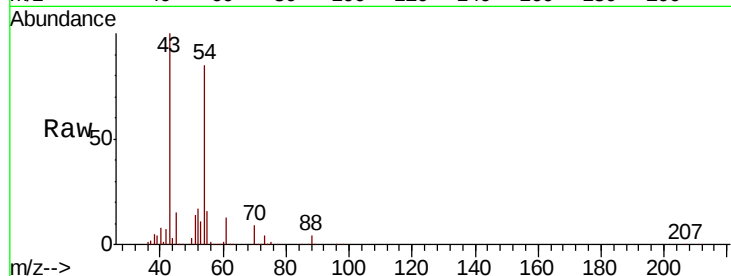




#37
Ethyl Acetate
Concen: 56.910 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

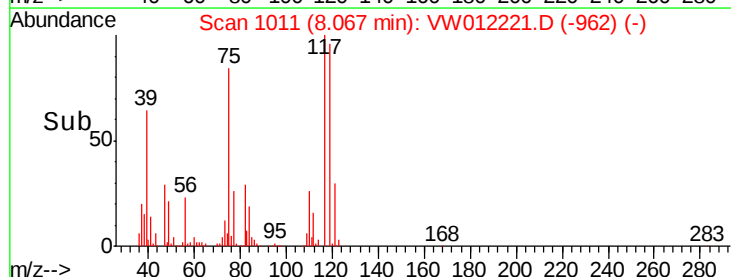
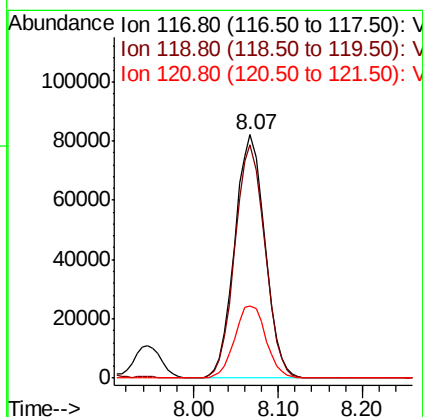
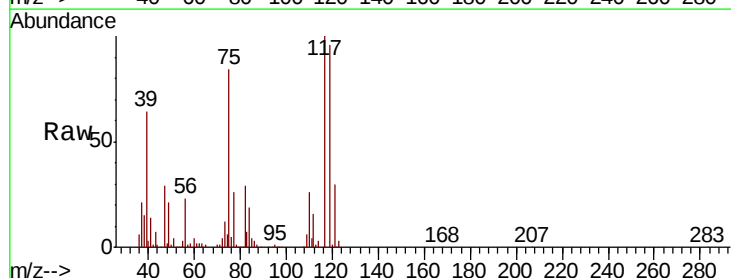
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

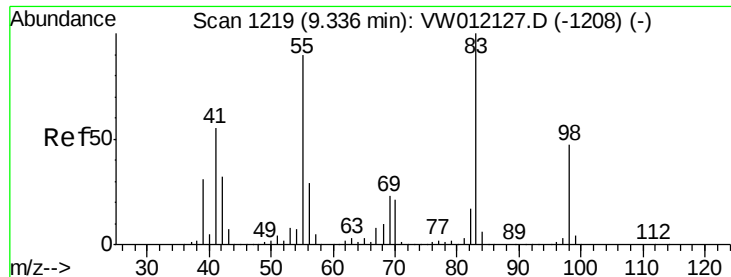
Tgt Ion: 43 Resp: 130864
Ion Ratio Lower Upper
43 100
61 12.2 9.2 13.8
70 8.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 54.857 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 117 Resp: 199240
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2
121 29.9 23.8 35.8

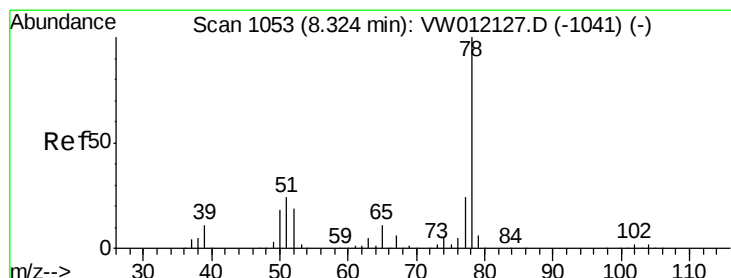
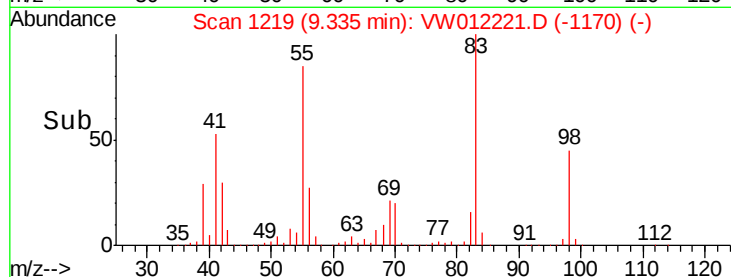
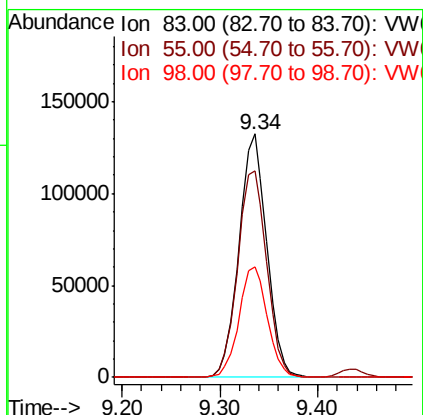
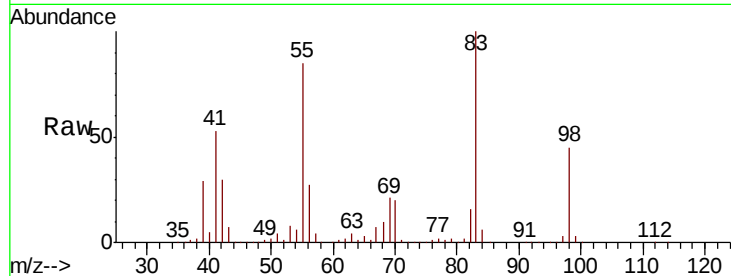




#39
Methylcyclohexane
Concen: 55.401 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

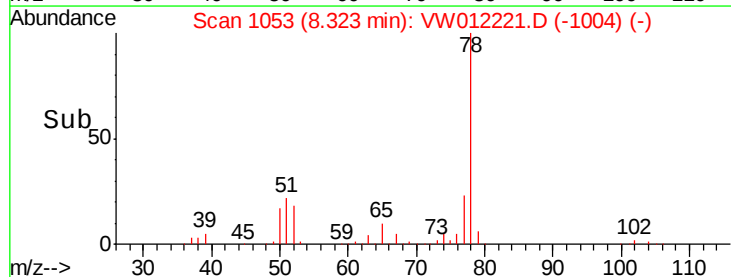
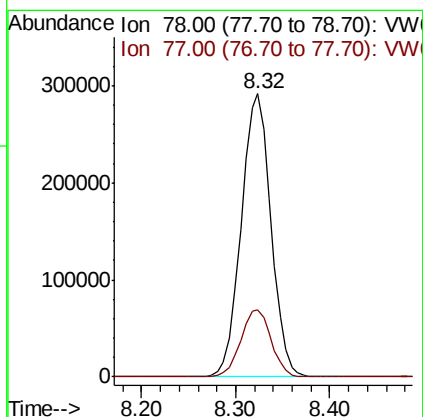
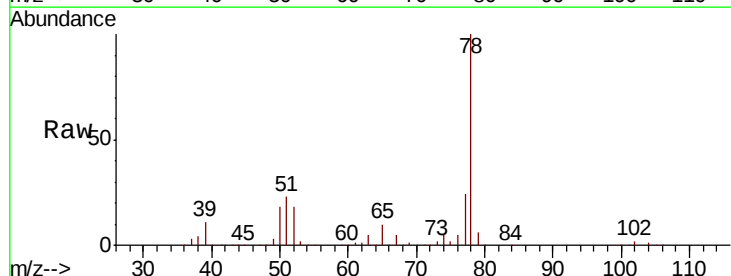
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 261169
Ion Ratio Lower Upper
83 100
55 84.9 71.8 107.8
98 45.1 37.8 56.8



#40
Benzene
Concen: 56.133 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 78 Resp: 643185
Ion Ratio Lower Upper
78 100
77 23.5 19.5 29.3





#41

Methacrylonitrile

Concen: 59.314 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 80162

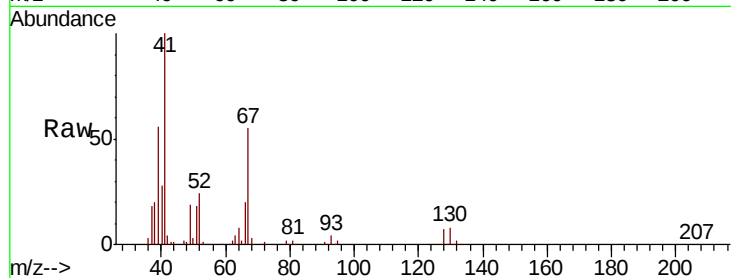
Ion Ratio Lower Upper

41 100

39 58.9 45.8 68.8

67 57.1 46.2 69.4

52 25.4 21.0 31.6

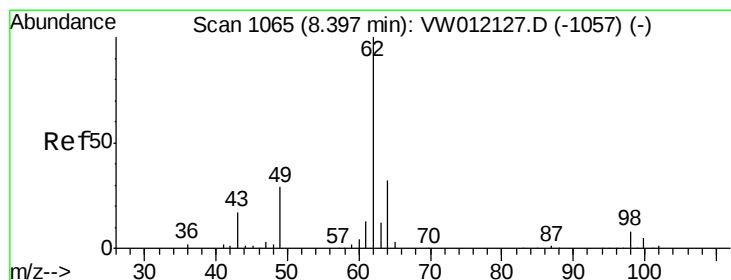
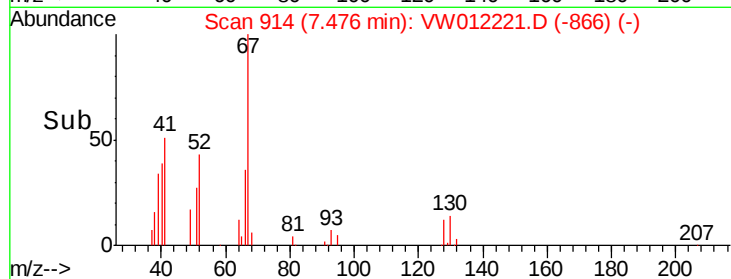
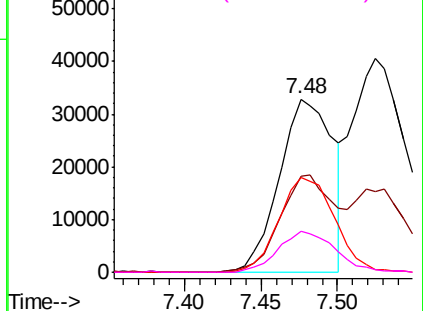


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 55.806 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012221.D

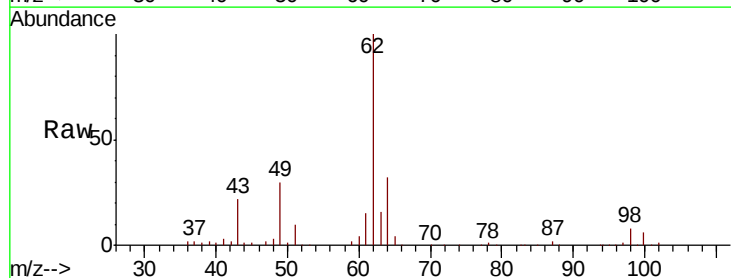
Acq: 27 Aug 2019 19:27

Tgt Ion: 62 Resp: 200405

Ion Ratio Lower Upper

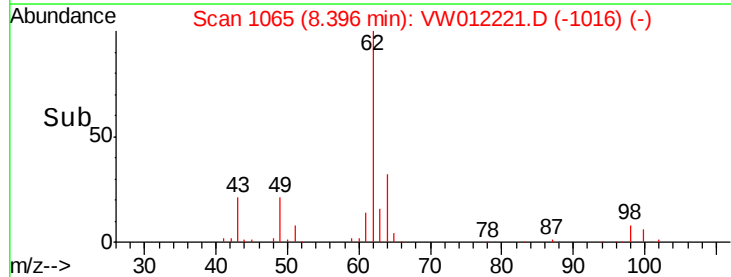
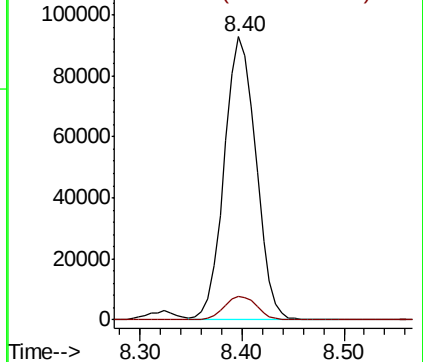
62 100

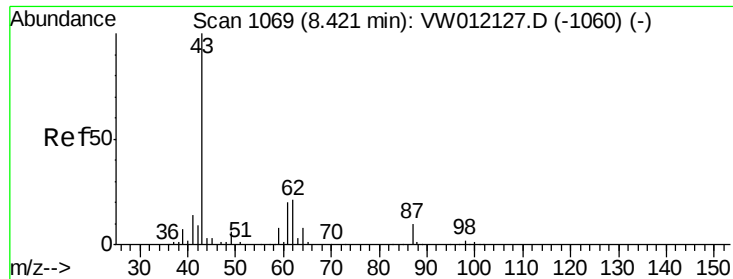
98 8.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 59.117 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

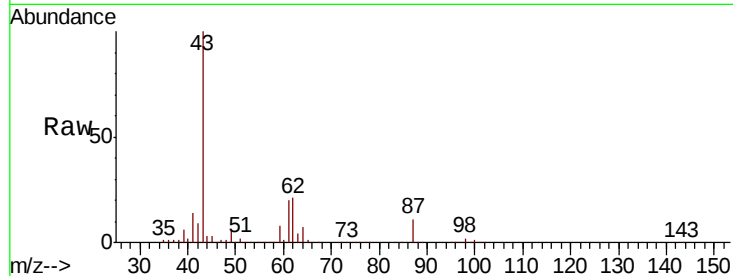
Tgt Ion: 43 Resp: 251800

Ion Ratio Lower Upper

43 100

61 26.7 21.1 31.7

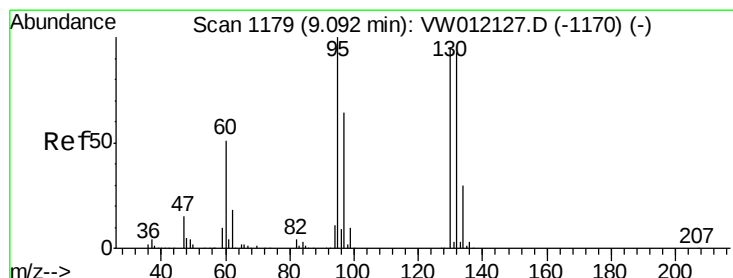
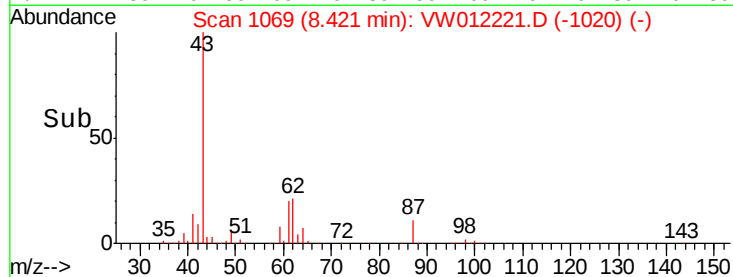
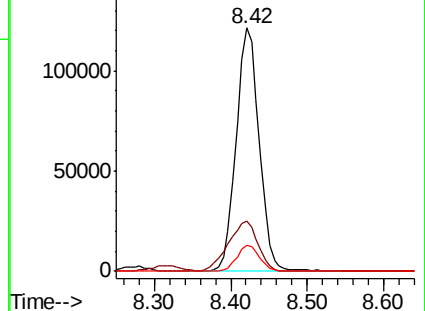
87 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.833 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012221.D

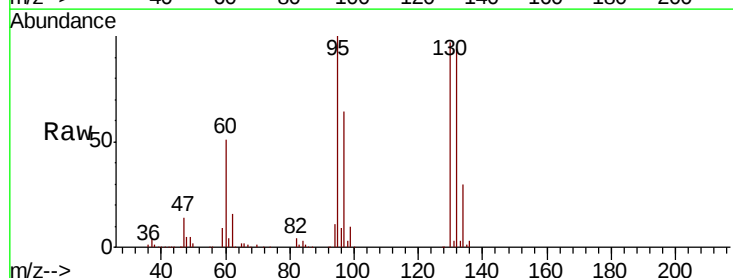
Acq: 27 Aug 2019 19:27

Tgt Ion: 130 Resp: 155520

Ion Ratio Lower Upper

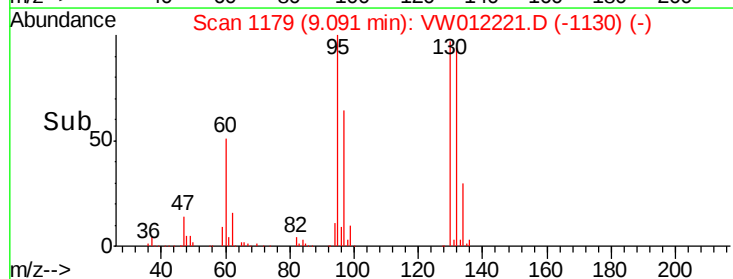
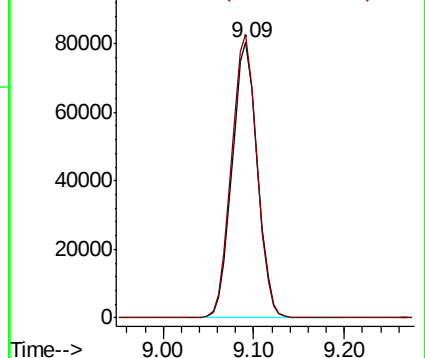
130 100

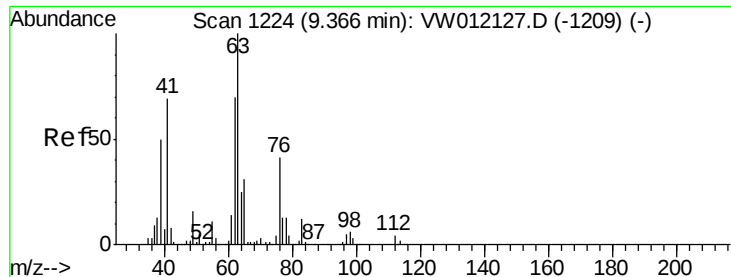
95 102.9 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

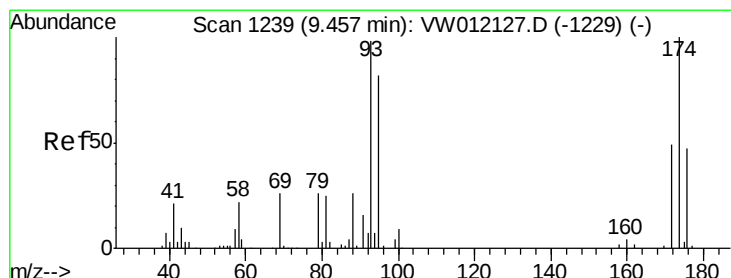
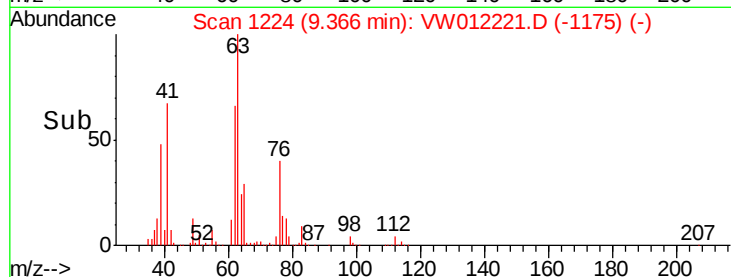
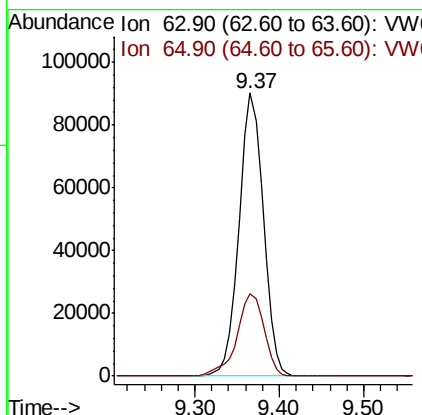
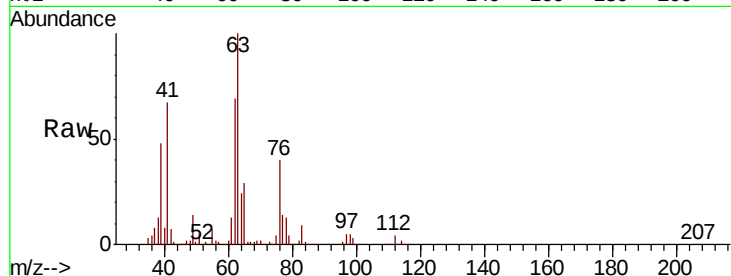




#45
 1,2-Dichloropropane
 Concen: 56.740 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

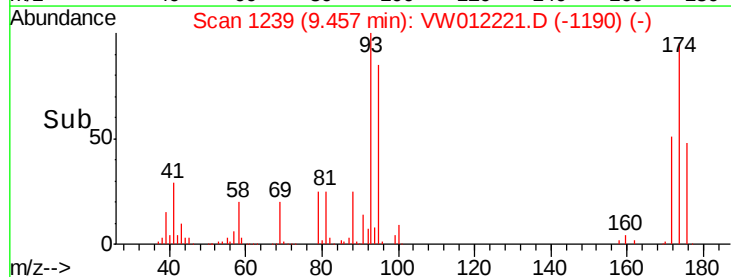
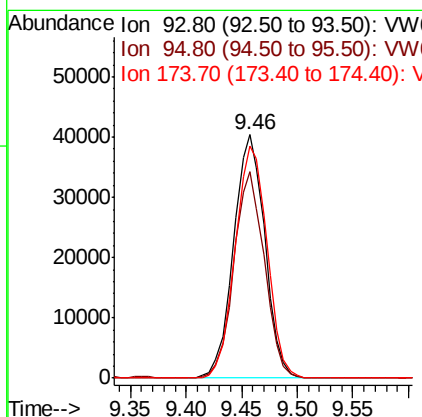
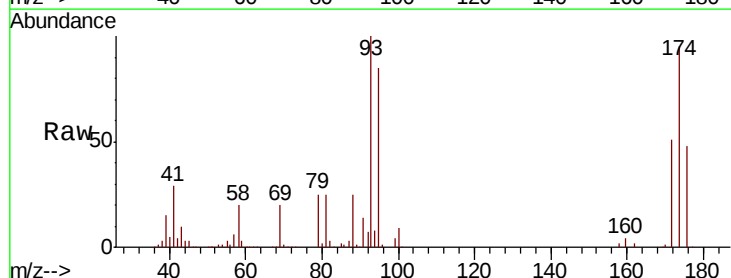
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 174971
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.0 37.4



#46
 Dibromomethane
 Concen: 57.125 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion: 93 Resp: 78379
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 97.7 79.0 118.6





#47

Bromodichloromethane

Concen: 57.301 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

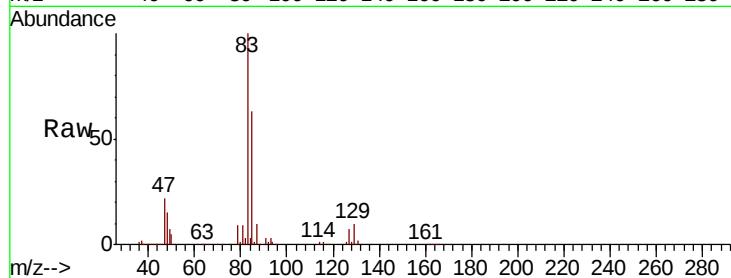
Tgt Ion: 83 Resp: 209242

Ion Ratio Lower Upper

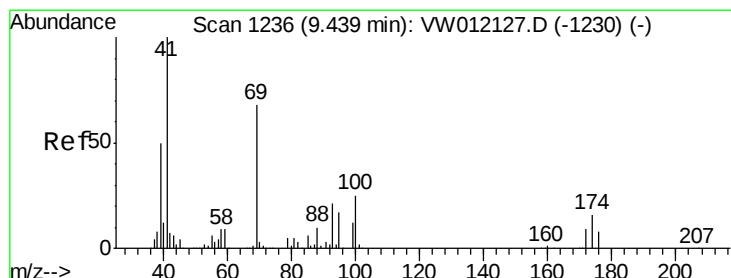
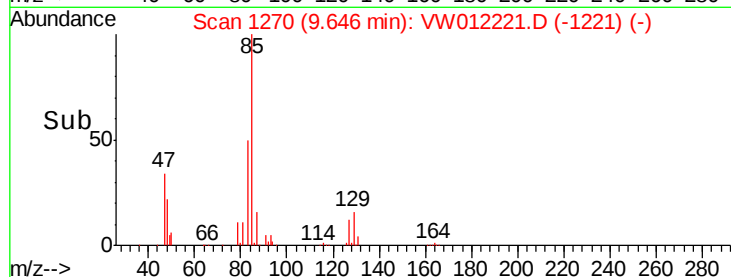
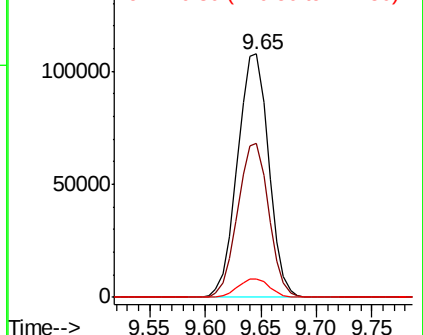
83 100

85 63.0 49.4 74.2

127 7.4 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: 60.088 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

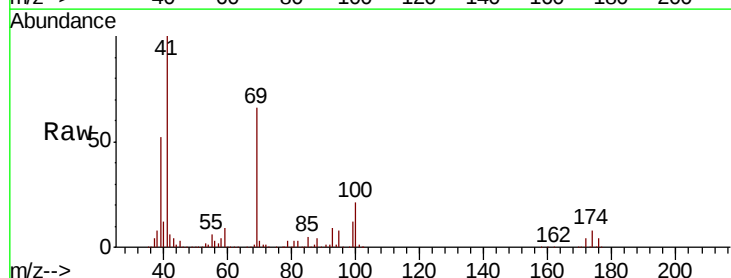
Tgt Ion: 41 Resp: 121814

Ion Ratio Lower Upper

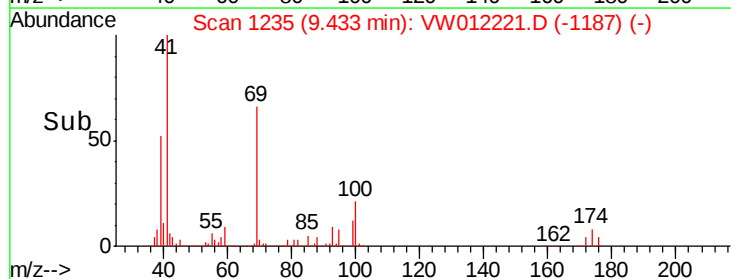
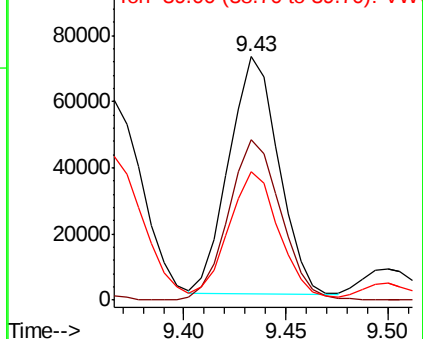
41 100

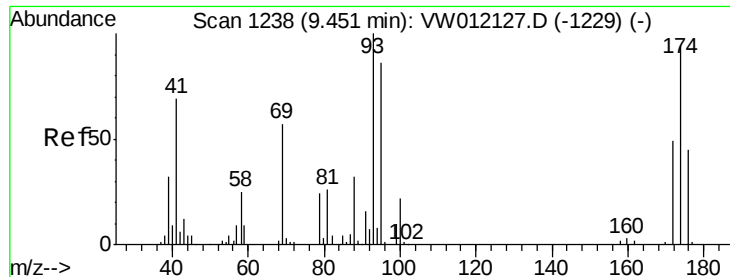
69 71.1 56.7 85.1

39 55.3 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: 1046.013 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

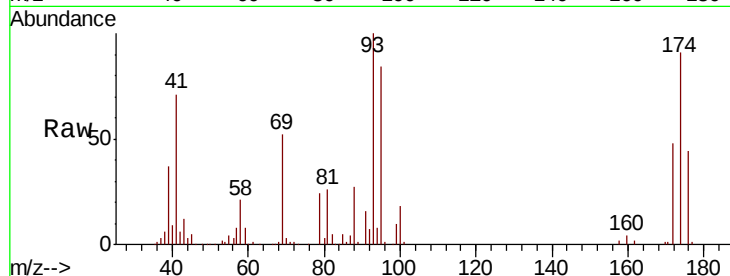
Tgt Ion: 88 Resp: 21971

Ion Ratio Lower Upper

88 100

43 38.7 32.9 49.3

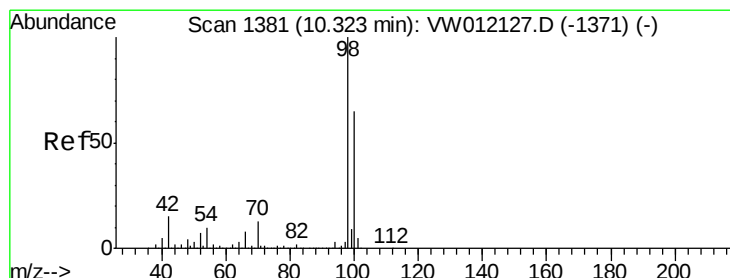
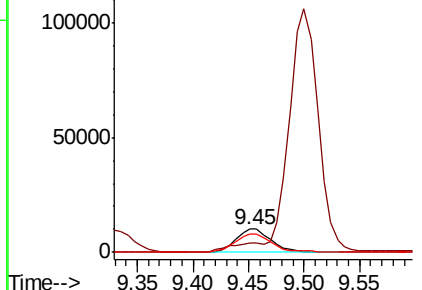
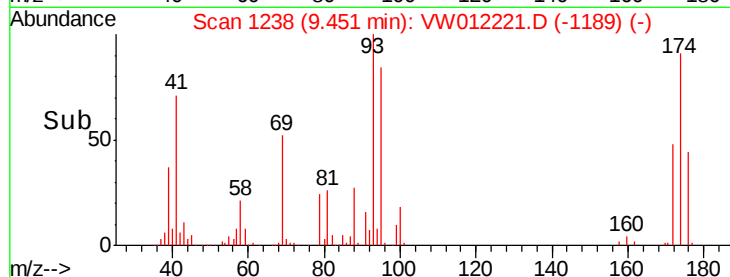
58 85.5 71.0 106.4



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: 53.636 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012221.D

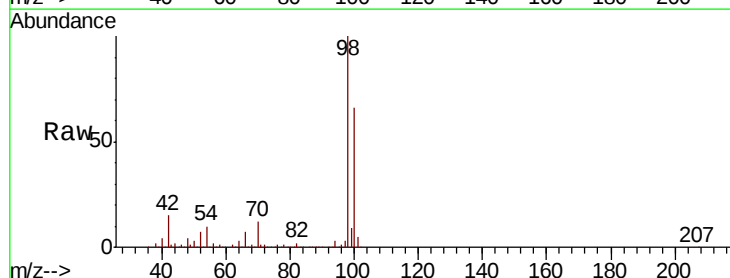
Acq: 27 Aug 2019 19:27

Tgt Ion: 98 Resp: 527130

Ion Ratio Lower Upper

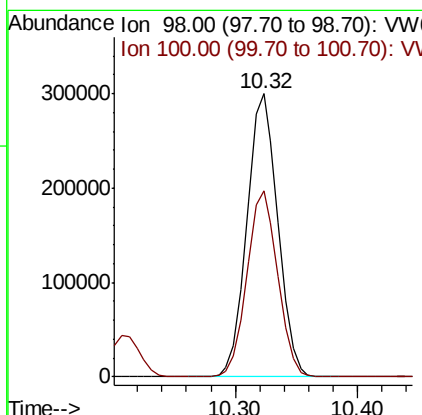
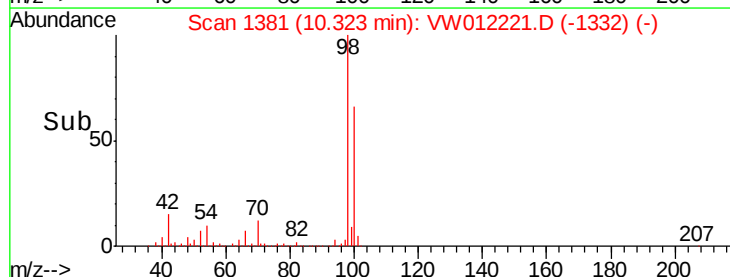
98 100

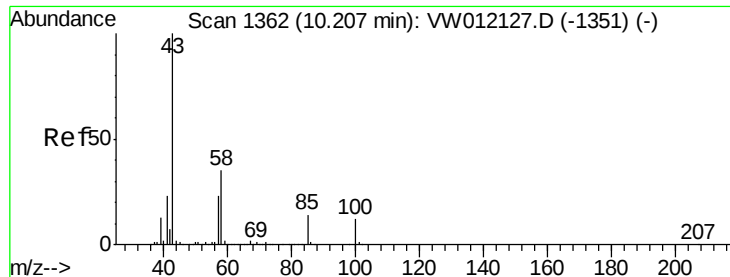
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

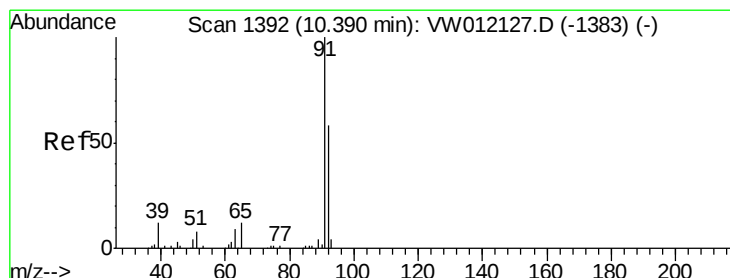
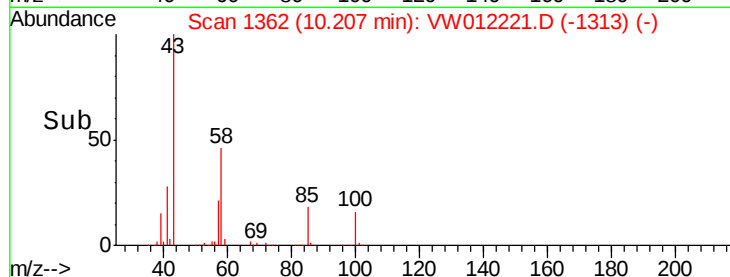
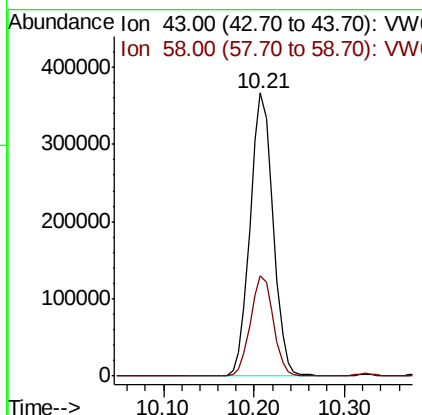
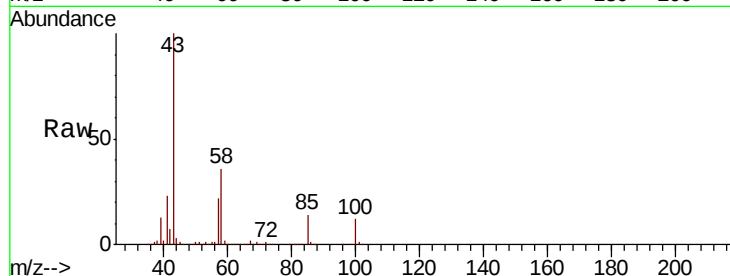




#51
 4-Methyl-2-Pentanone
 Concen: 296.877 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

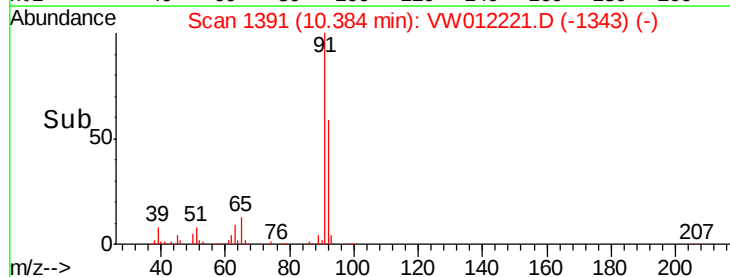
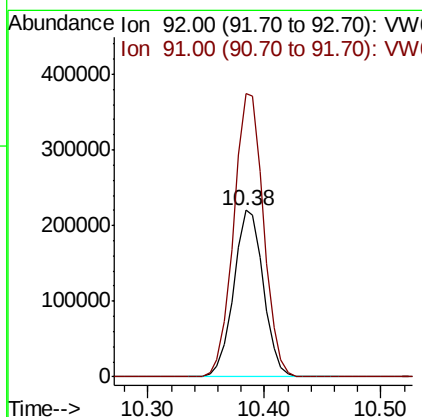
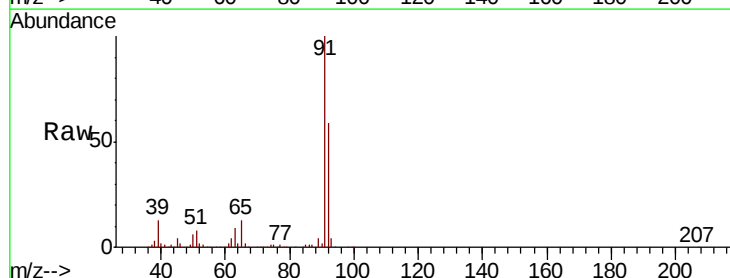
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

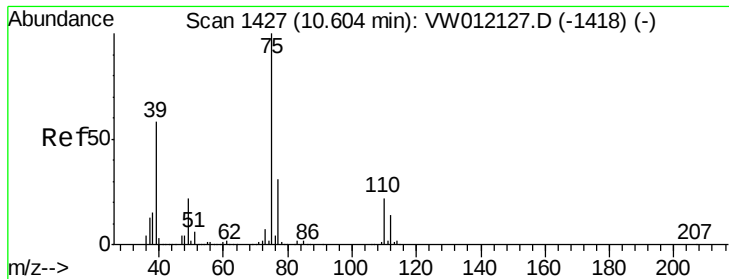
Tgt Ion: 43 Resp: 643170
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.2 42.2



#52
 Toluene
 Concen: 56.613 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion: 92 Resp: 389690
 Ion Ratio Lower Upper
 92 100
 91 171.5 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 59.008 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

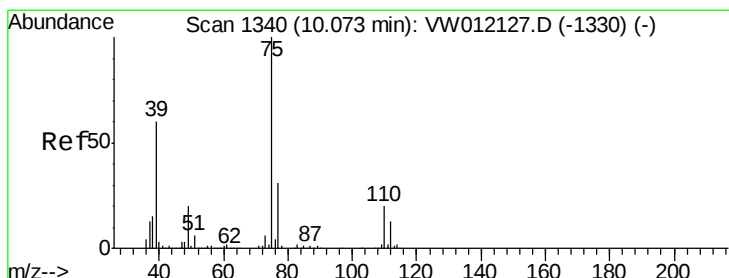
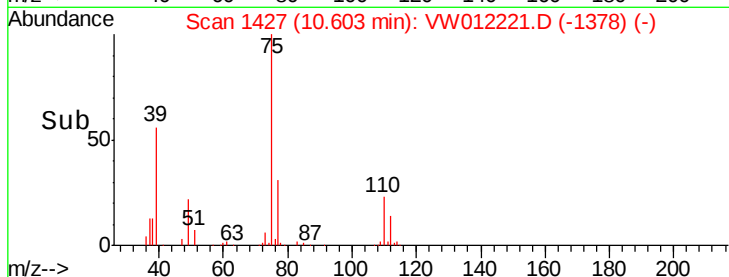
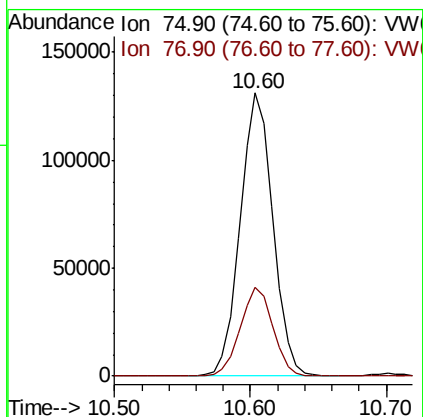
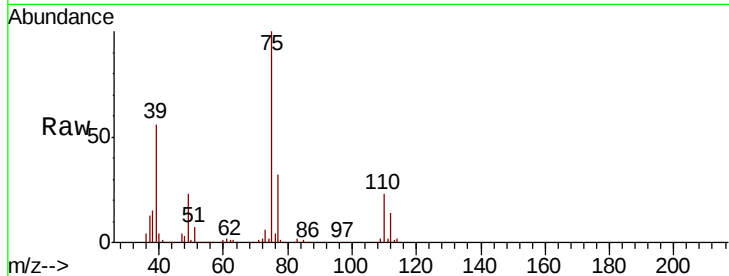
VSTDCCC050EC

Tgt Ion: 75 Resp: 219486

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 57.816 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

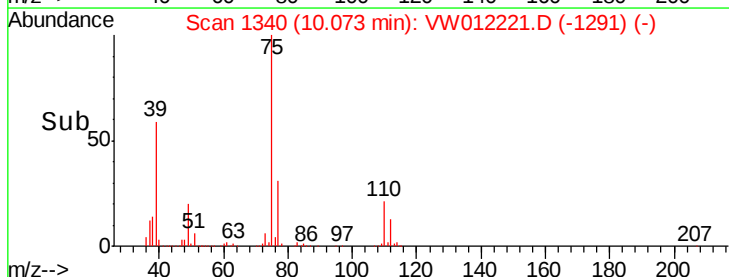
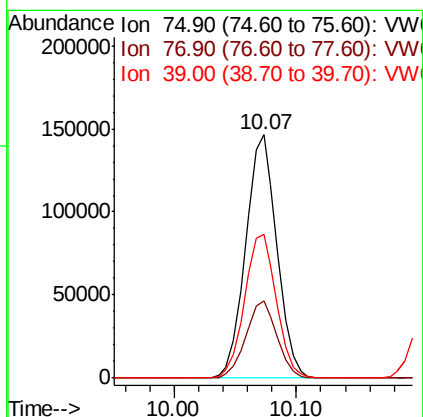
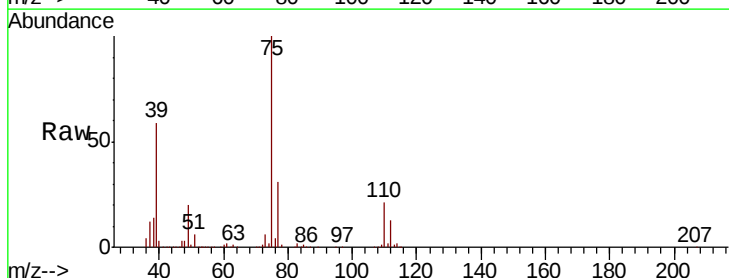
Tgt Ion: 75 Resp: 259664

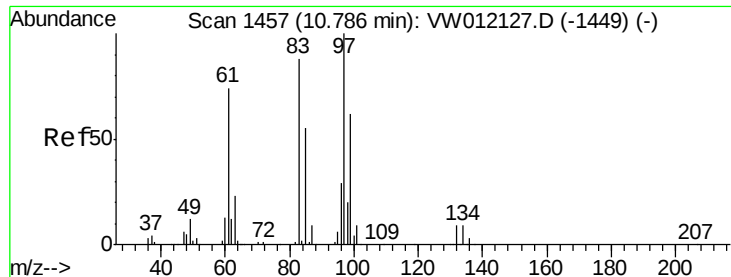
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 59.0 48.3 72.5

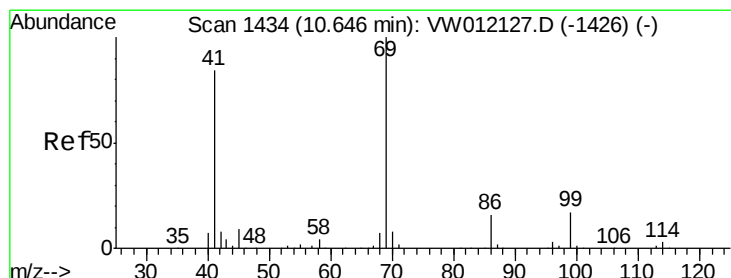
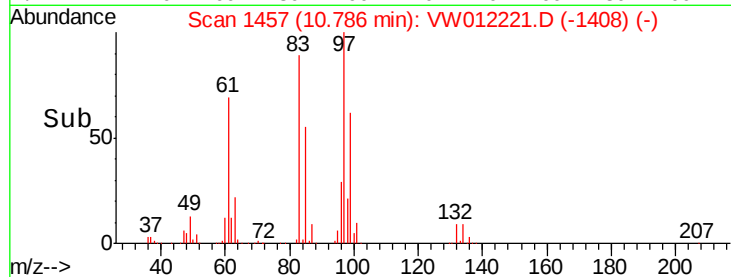
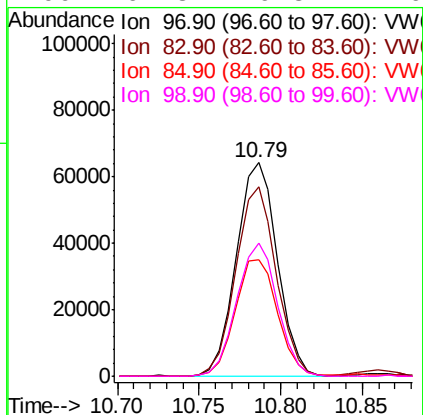
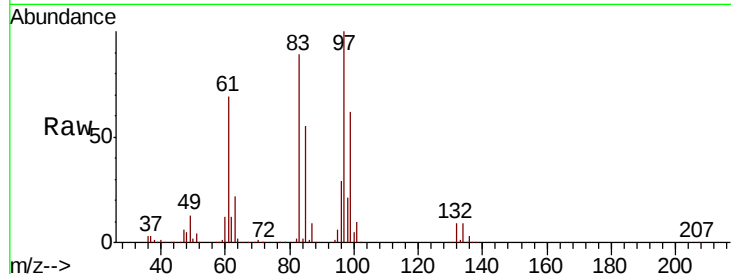




#55
 1,1,2-Trichloroethane
 Concen: 57.744 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

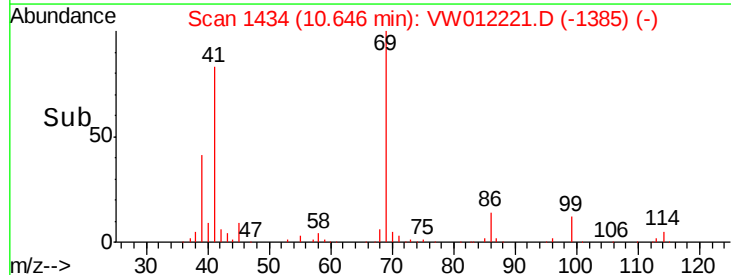
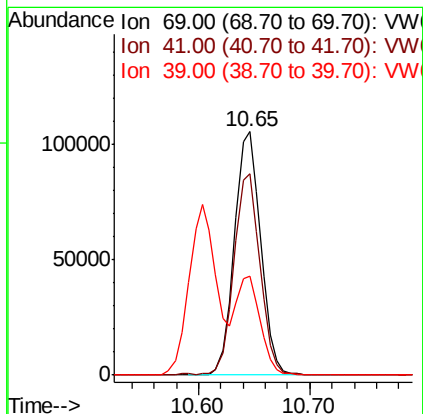
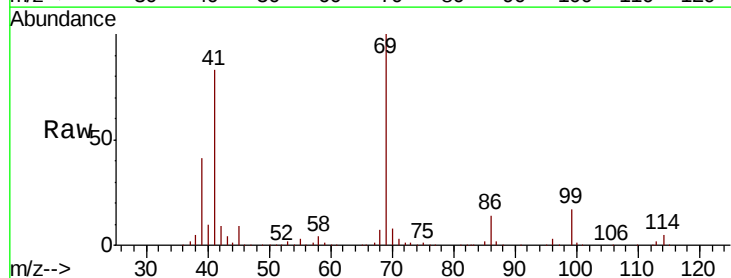
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

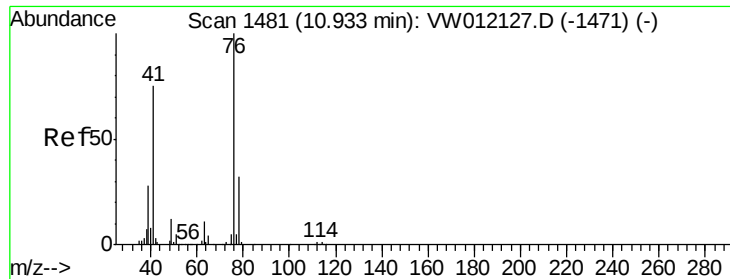
Tgt Ion:	97	Resp:	112096
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.8	106.2
85	54.8	43.8	65.8
99	62.3	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 60.809 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion:	69	Resp:	171808
Ion	Ratio	Lower	Upper
69	100		
41	82.8	66.5	99.7
39	37.1	31.0	46.4





#57

1,3-Dichloropropane

Concen: 57.952 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

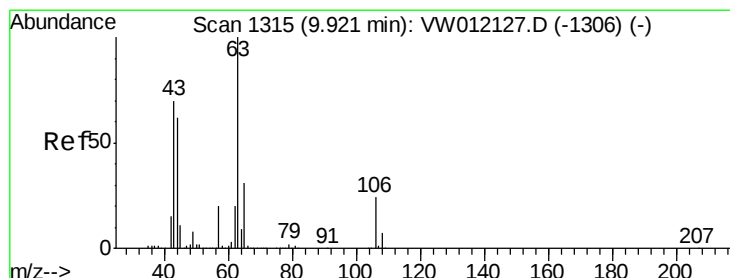
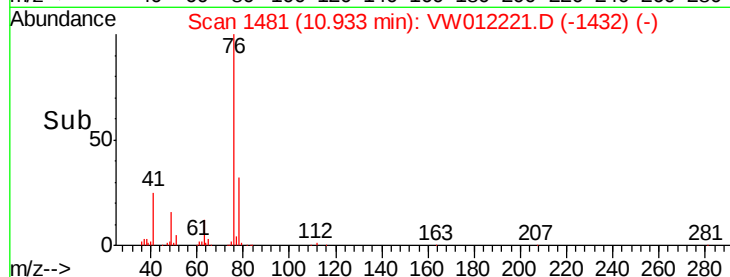
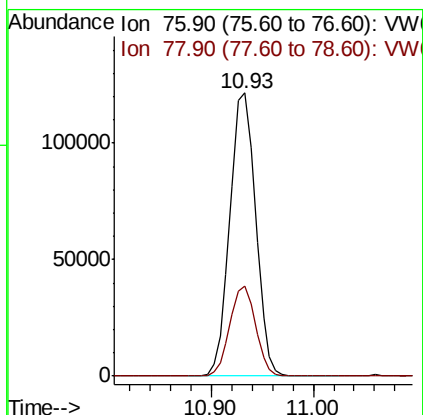
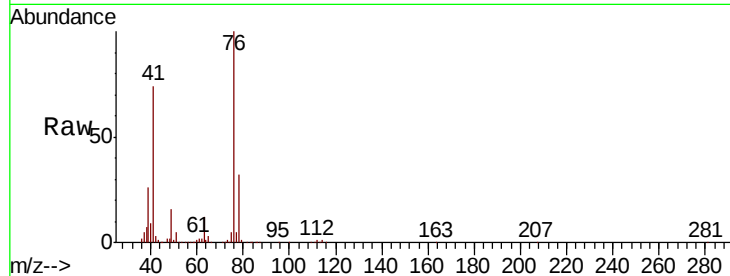
VSTDCCC050EC

Tgt Ion: 76 Resp: 212597

Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 281.169 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012221.D

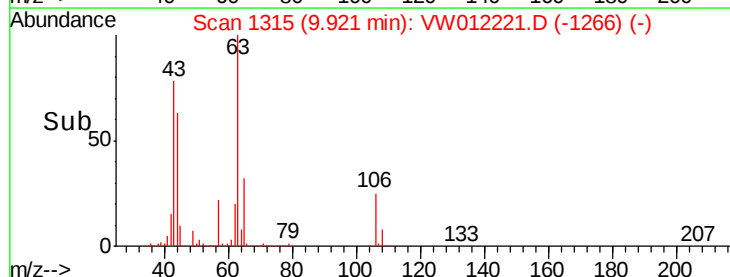
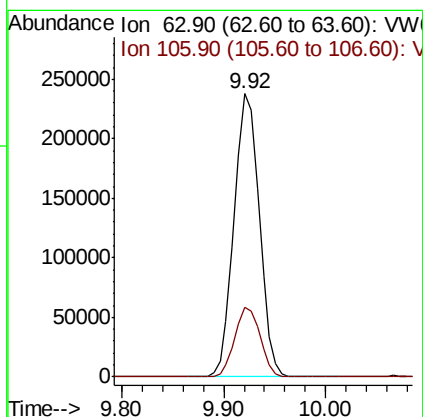
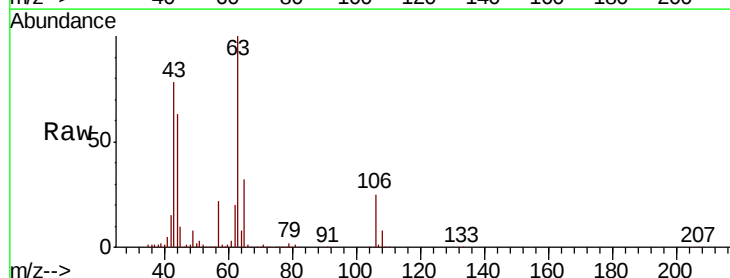
Acq: 27 Aug 2019 19:27

Tgt Ion: 63 Resp: 407704

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8

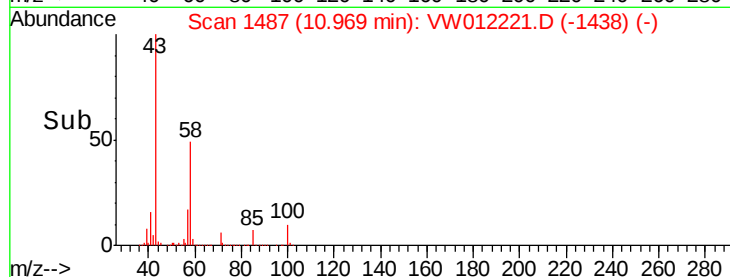
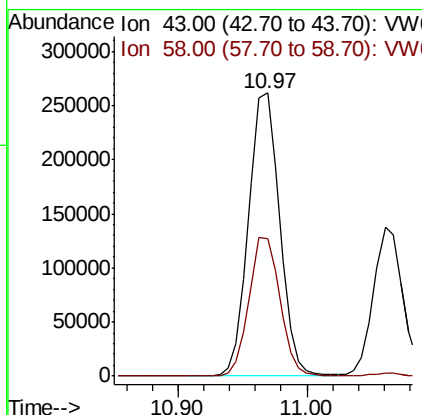
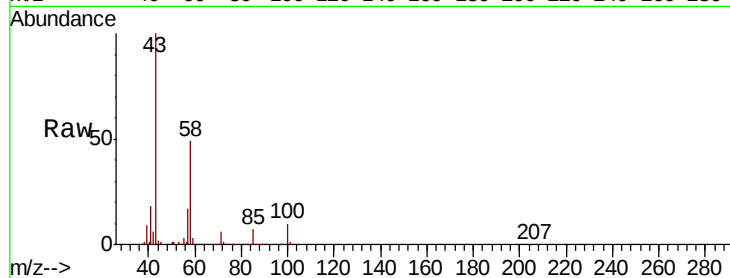




#59
2-Hexanone
Concen: 284.320 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

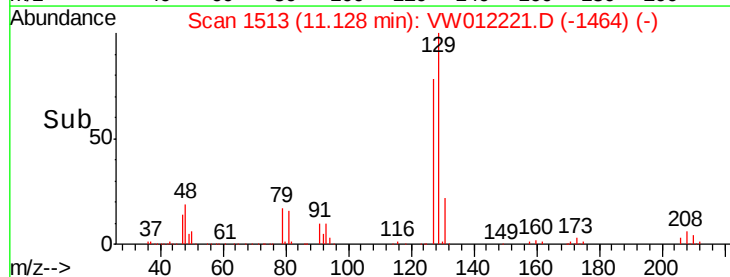
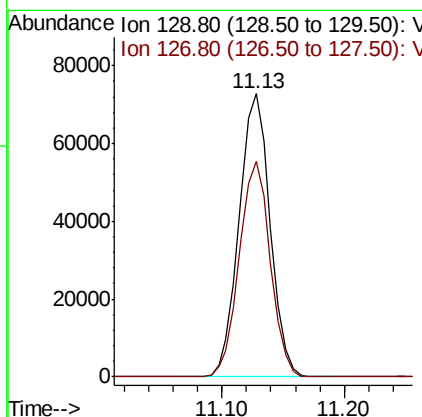
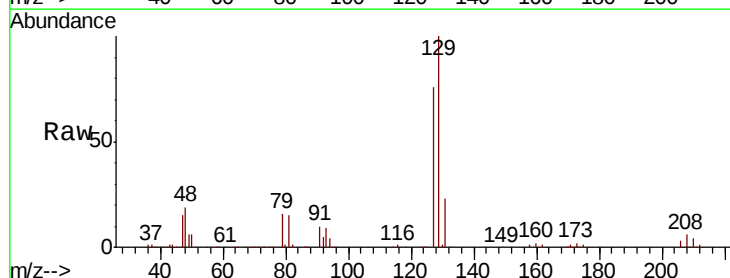
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

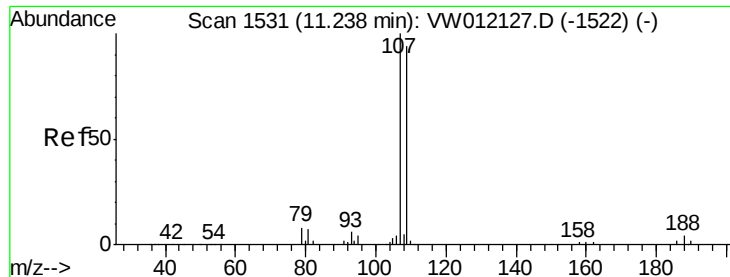
Tgt Ion: 43 Resp: 435835
Ion Ratio Lower Upper
43 100
58 48.9 24.3 72.9



#60
Dibromochloromethane
Concen: 59.091 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 129 Resp: 127769
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 58.815 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

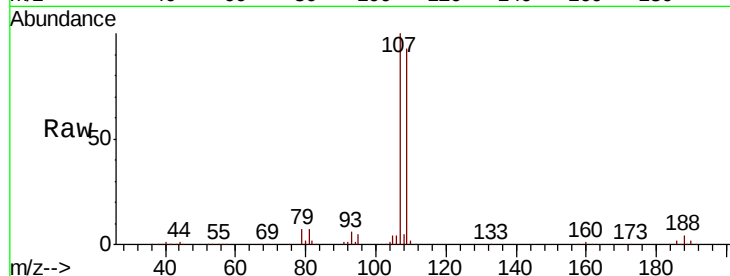
VSTDCCC050EC

Tgt Ion: 107 Resp: 106370

Ion Ratio Lower Upper

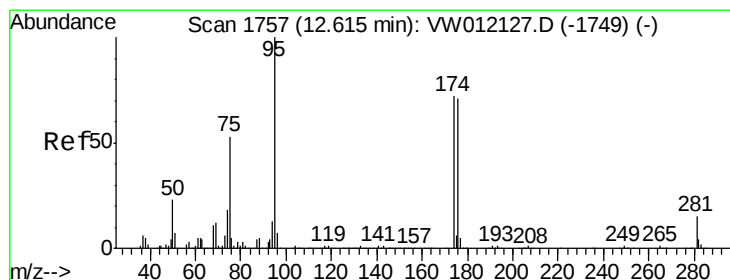
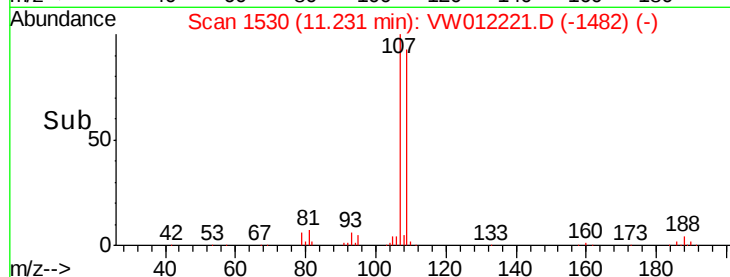
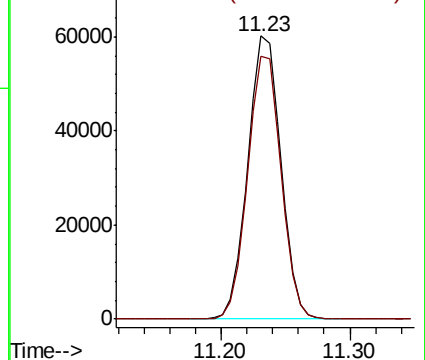
107 100

109 93.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.775 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

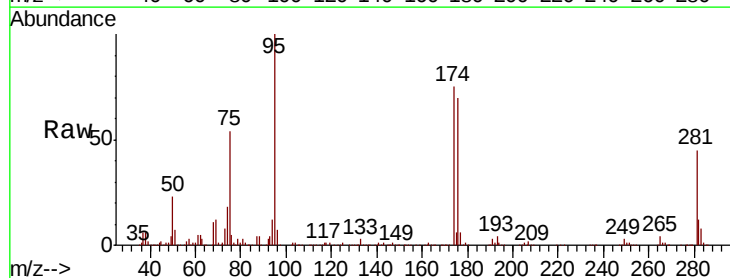
Tgt Ion: 95 Resp: 186297

Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.8

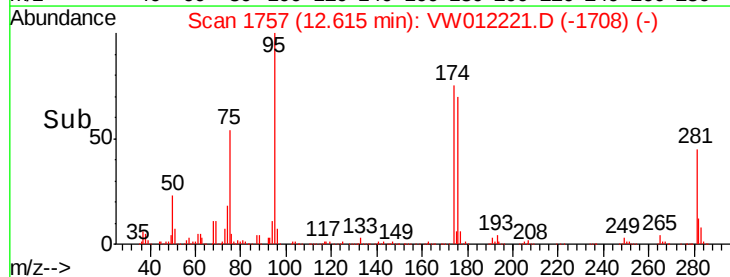
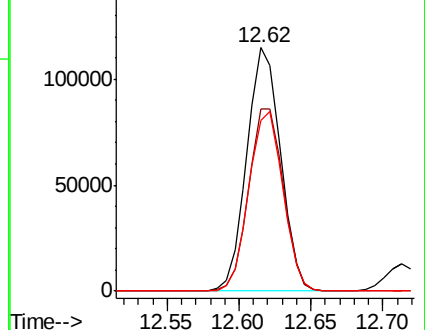
176 74.6 0.0 148.6

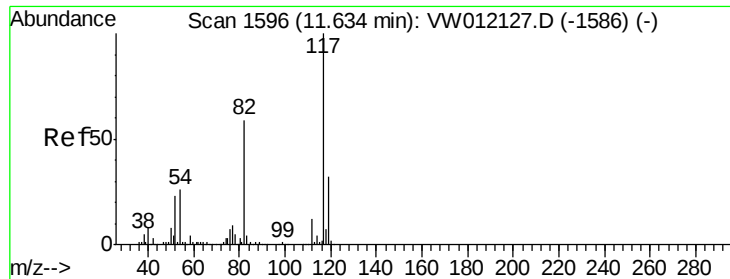


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

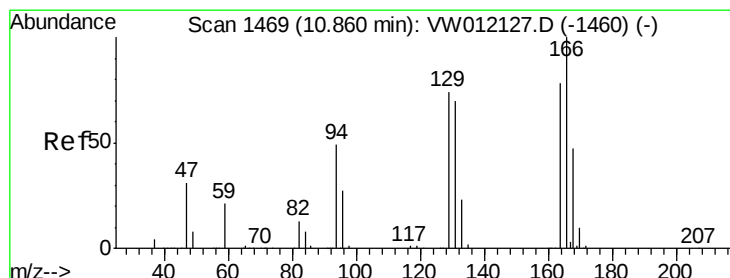
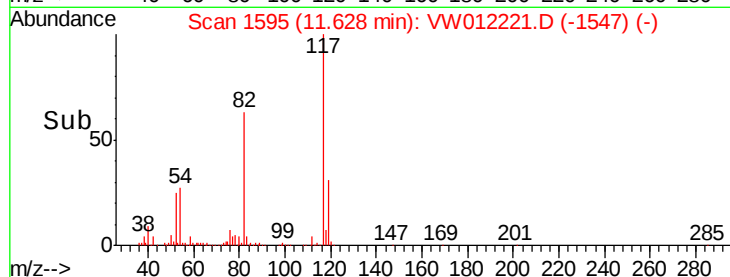
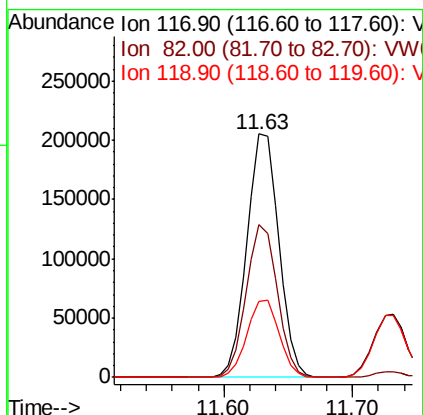
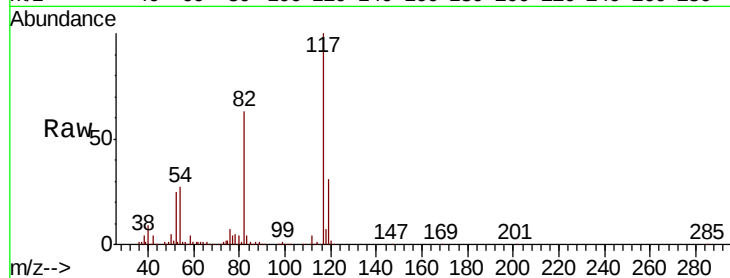




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

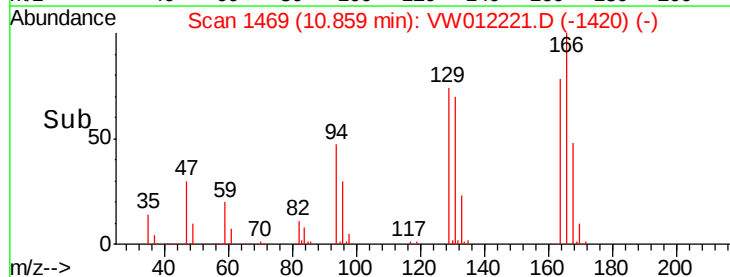
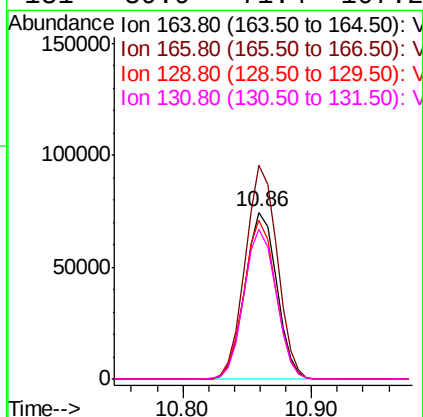
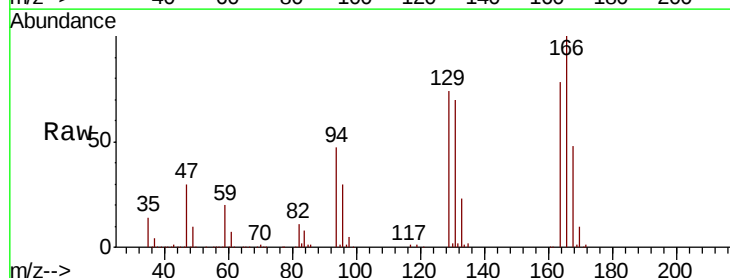
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

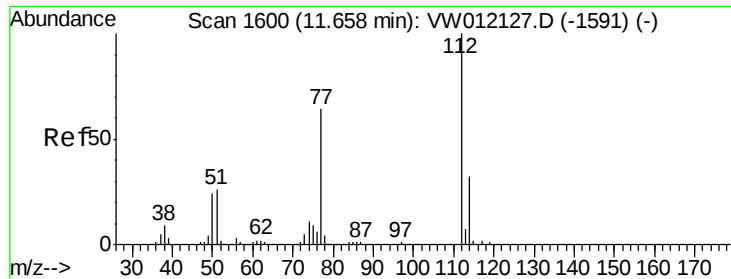
Tgt Ion:117 Resp: 352036
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 30.9 25.4 38.2



#64
Tetrachloroethene
Concen: 55.688 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion:164 Resp: 127099
Ion Ratio Lower Upper
164 100
166 128.1 102.4 153.6
129 95.2 75.8 113.6
131 89.9 71.4 107.2

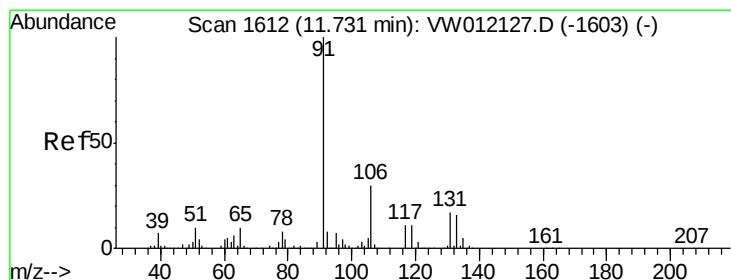
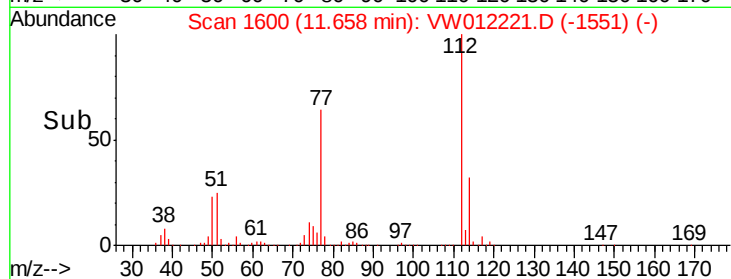
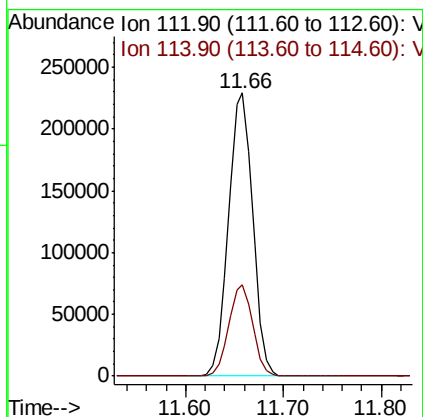
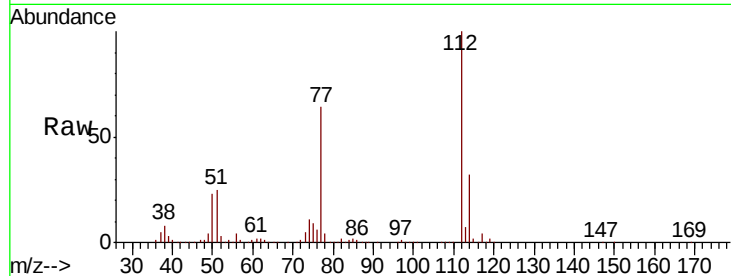




#65
Chlorobenzene
Concen: 56.589 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

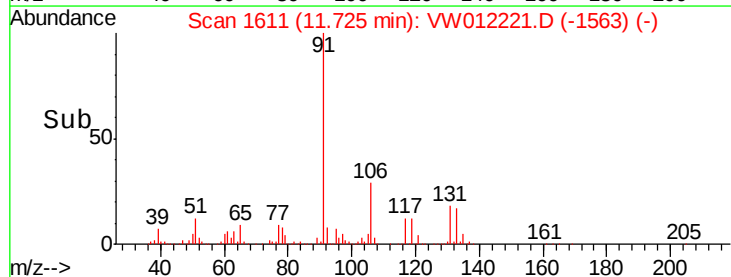
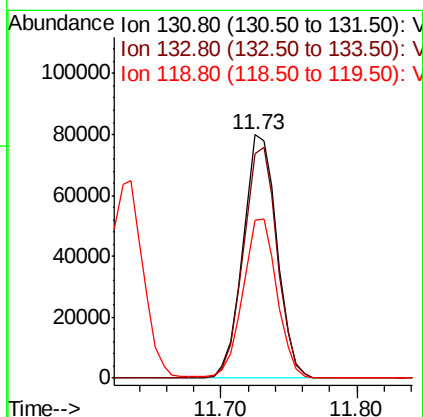
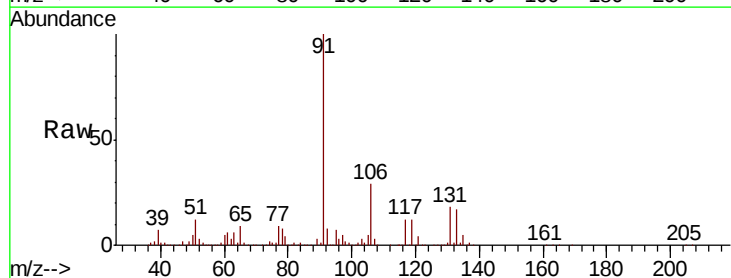
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

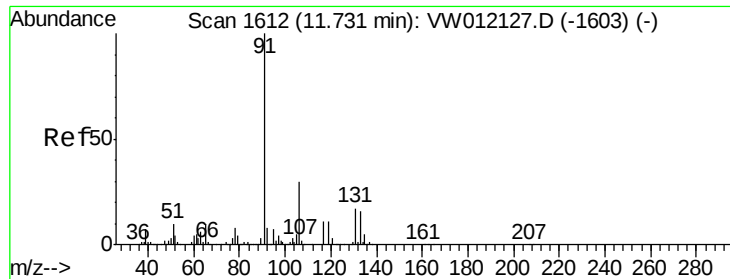
Tgt Ion:112 Resp: 392267
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 57.634 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion:131 Resp: 139375
Ion Ratio Lower Upper
131 100
133 94.7 47.1 141.3
119 65.6 31.8 95.3

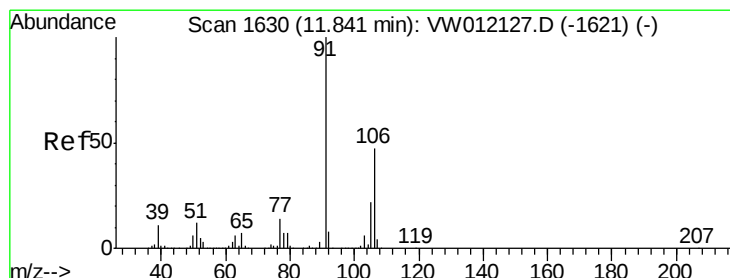
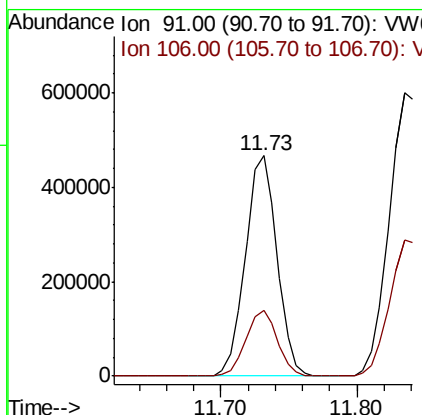
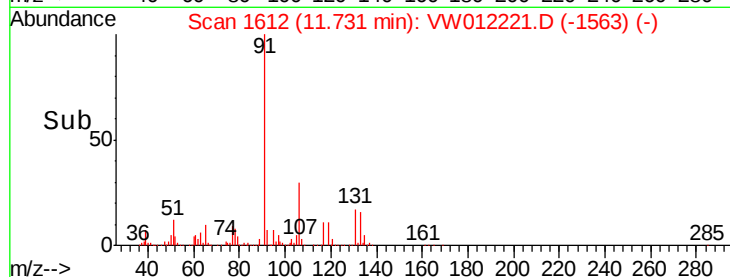
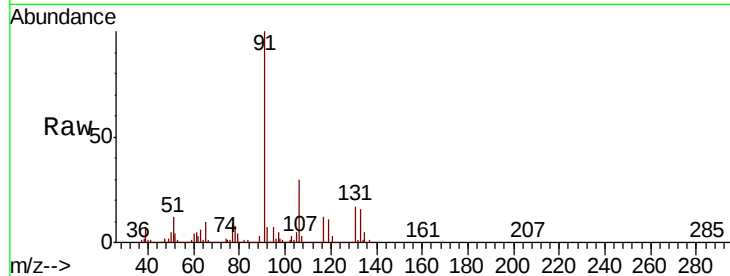




#67
Ethyl Benzene
Concen: 56.992 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

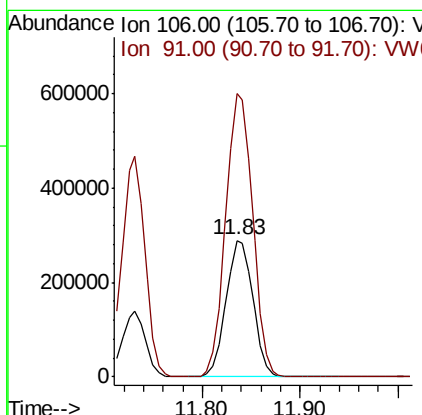
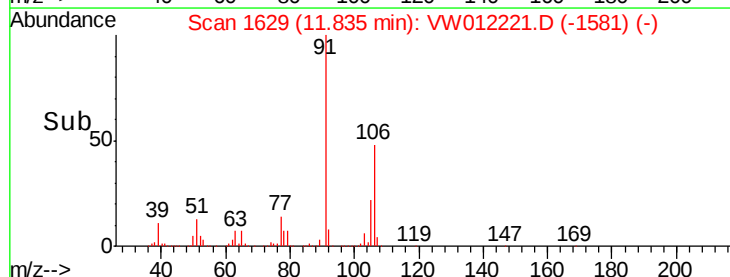
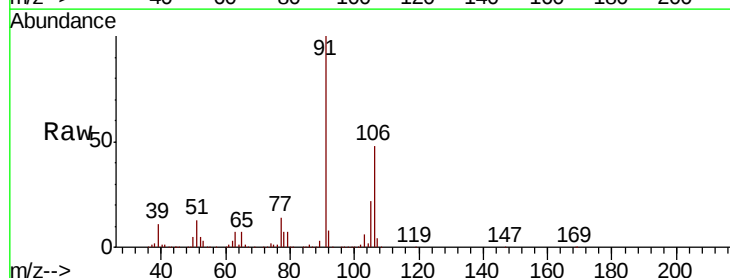
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

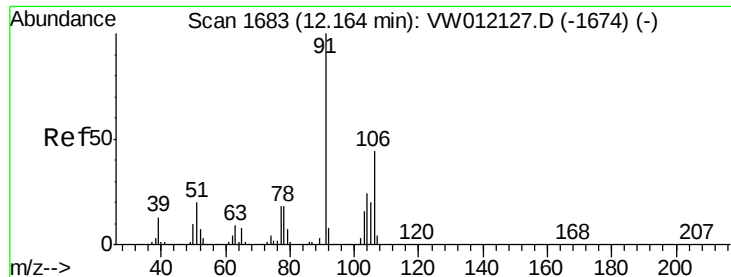
Tgt Ion: 91 Resp: 761022
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 114.289 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 106 Resp: 549724
Ion Ratio Lower Upper
106 100
91 208.9 169.5 254.3

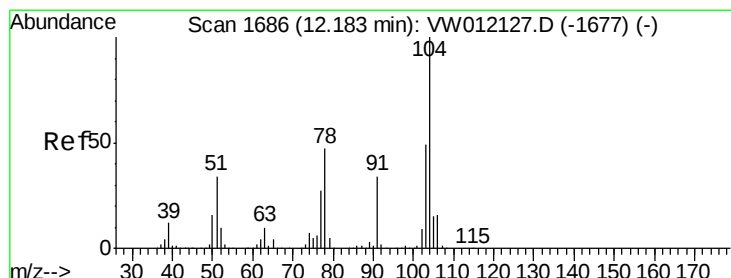
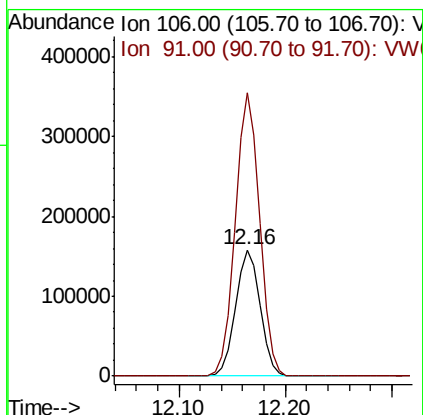
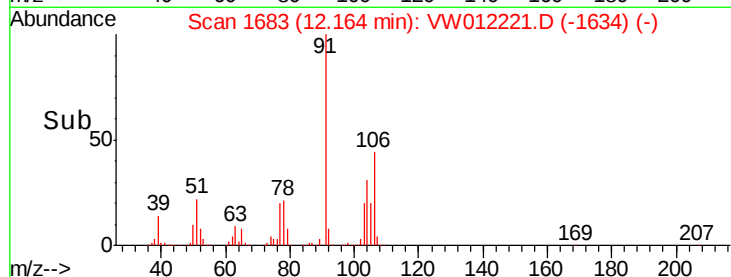
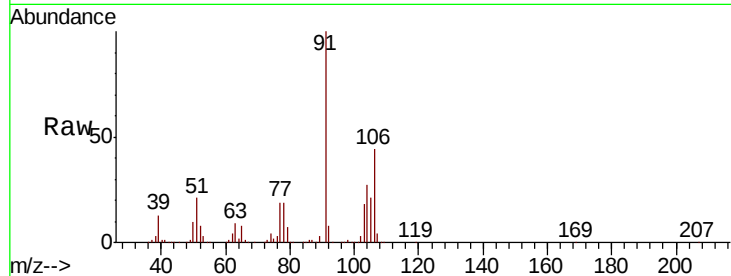




#69
o-Xylene
Concen: 57.525 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

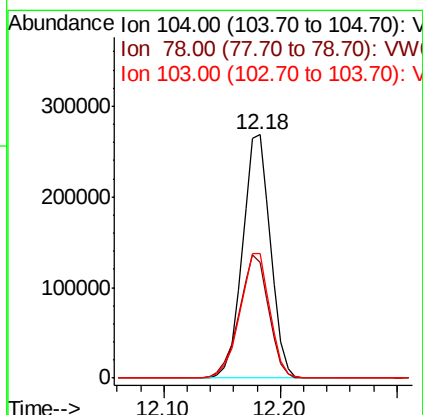
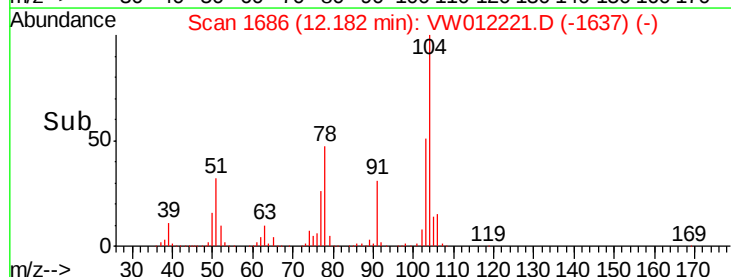
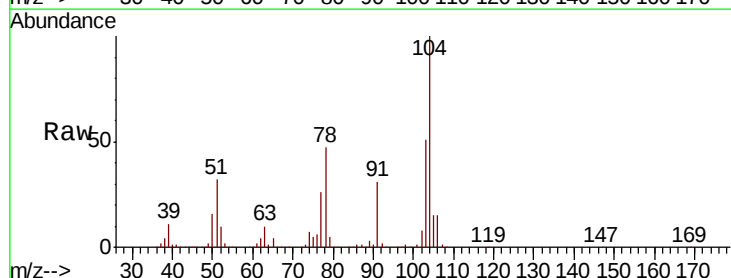
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

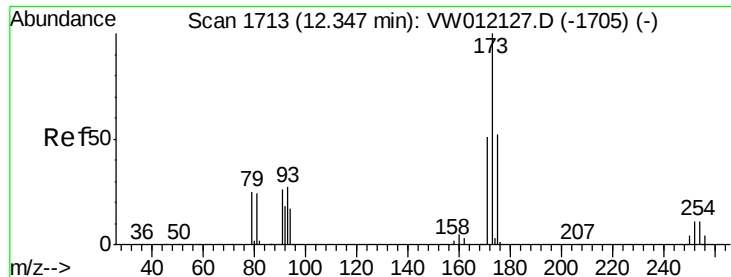
Tgt Ion:106 Resp: 256088
Ion Ratio Lower Upper
106 100
91 221.9 111.6 334.6



#70
Styrene
Concen: 58.134 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion:104 Resp: 447952
Ion Ratio Lower Upper
104 100
78 53.8 43.1 64.7
103 54.8 43.5 65.3

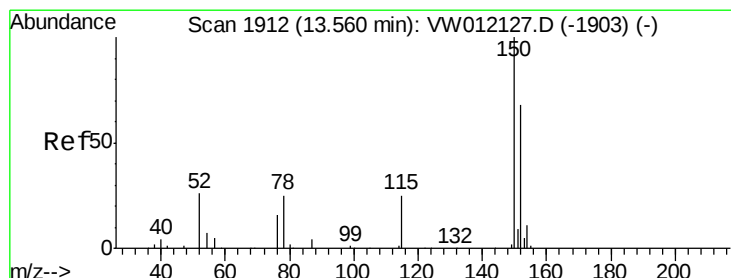
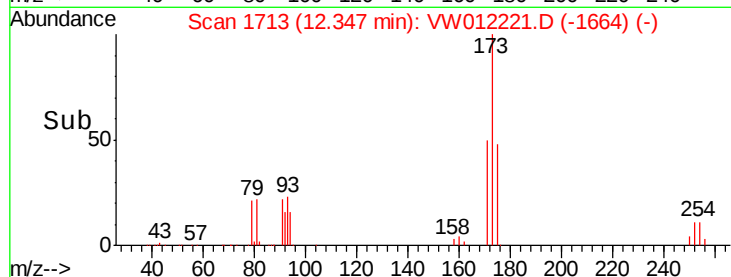
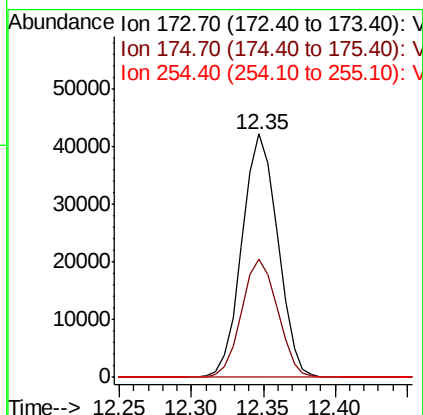
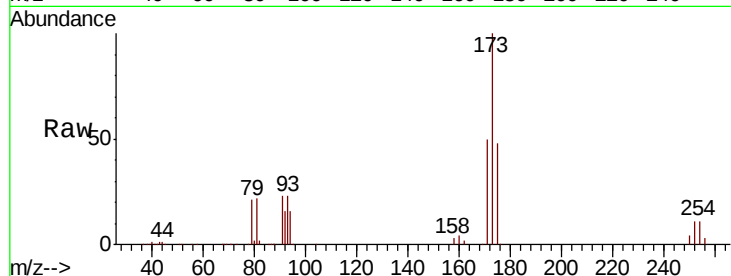




#71
Bromoform
Concen: 60.119 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

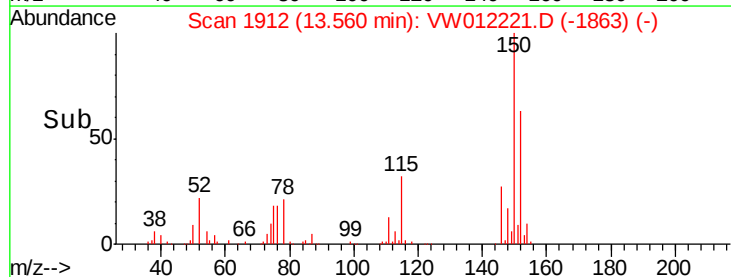
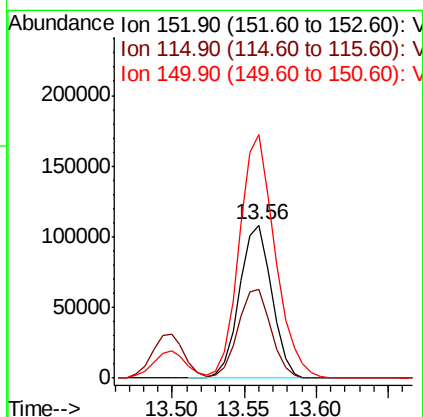
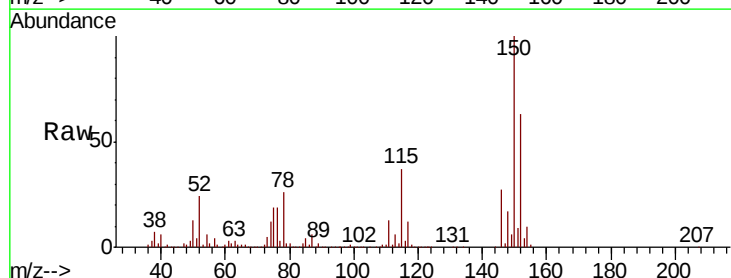
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

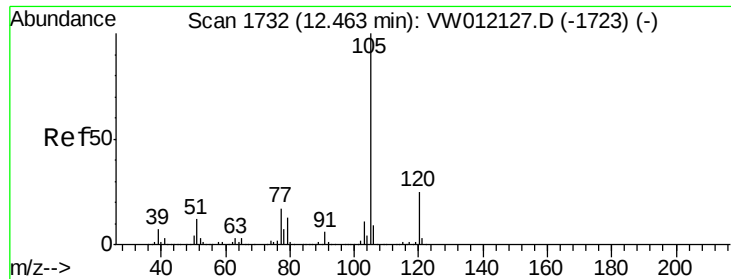
Tgt Ion:173 Resp: 72434
Ion Ratio Lower Upper
173 100
175 48.9 24.6 74.0
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion:152 Resp: 168361
Ion Ratio Lower Upper
152 100
115 59.7 30.1 90.3
150 175.7 0.0 345.8





#73

Isopropylbenzene

Concen: 56.283 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

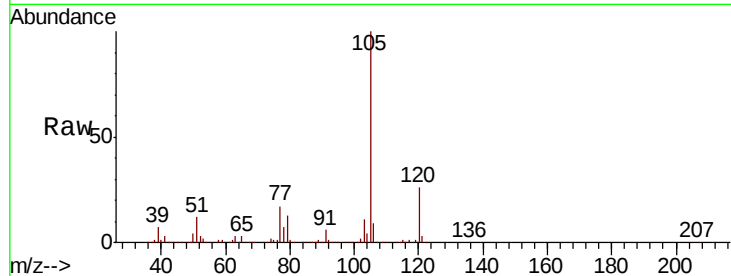
VSTDCCC050EC

Tgt Ion: 105 Resp: 710035

Ion Ratio Lower Upper

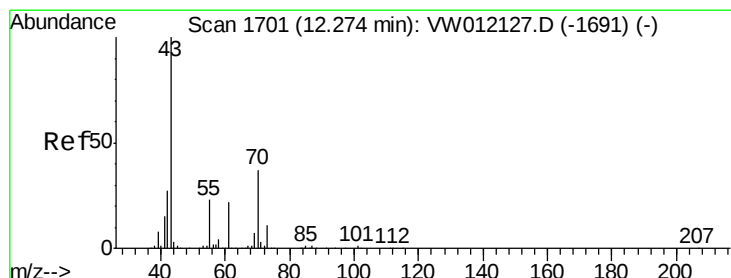
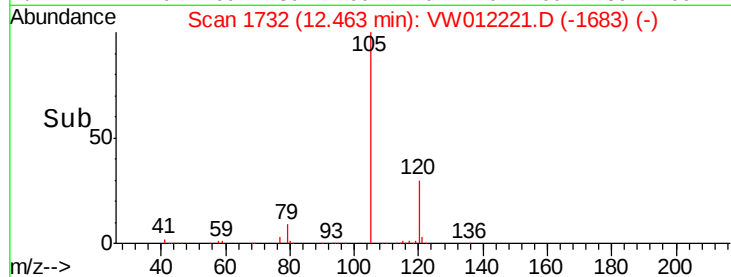
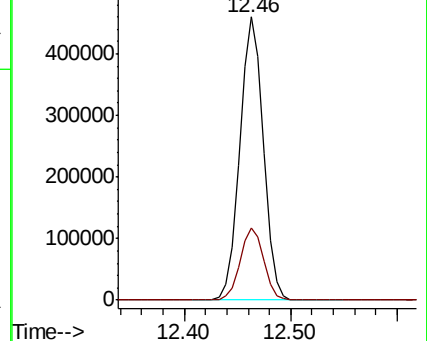
105 100

120 25.7 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.389 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Tgt Ion: 43 Resp: 230174

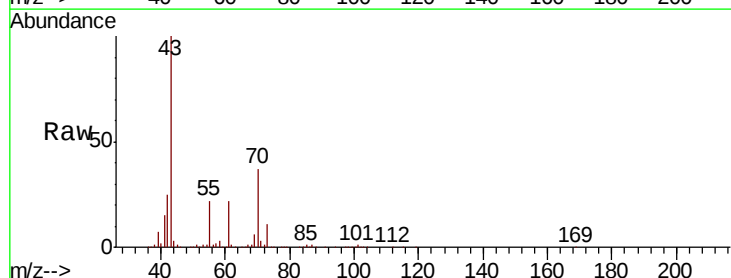
Ion Ratio Lower Upper

43 100

70 36.4 28.6 43.0

55 22.6 17.8 26.6

61 21.8 17.3 25.9

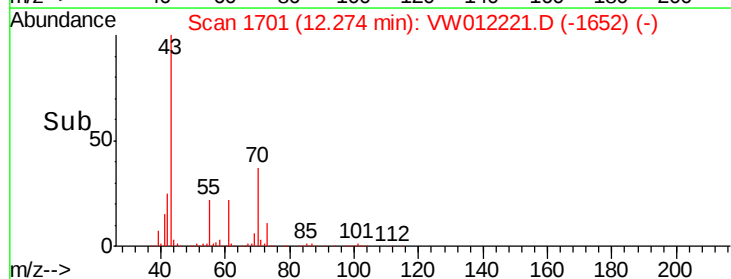
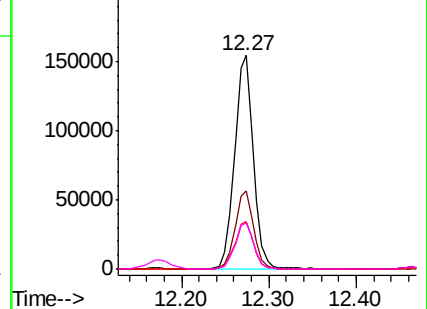


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 57.310 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

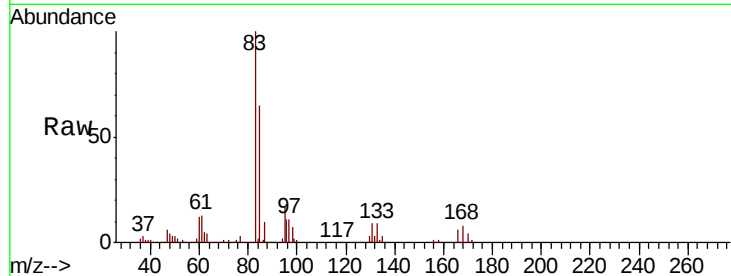
Tgt Ion: 83 Resp: 132547

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

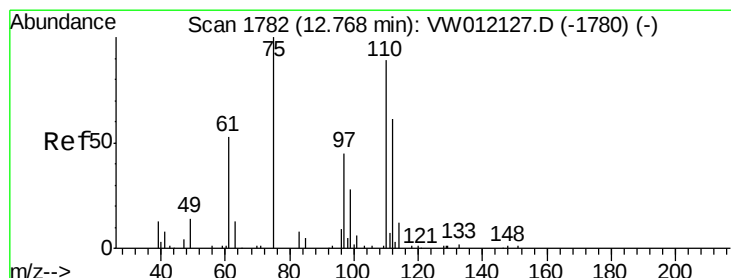
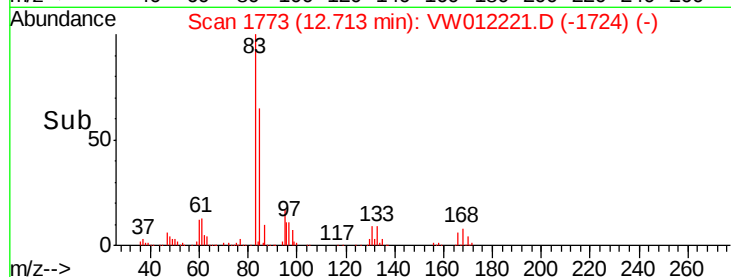
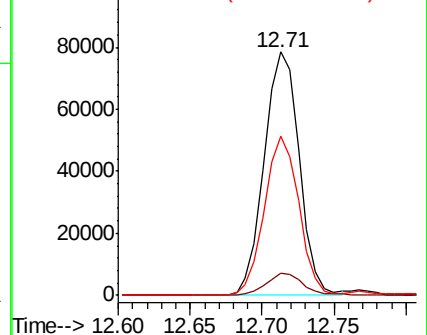
85 64.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 108.509 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012221.D

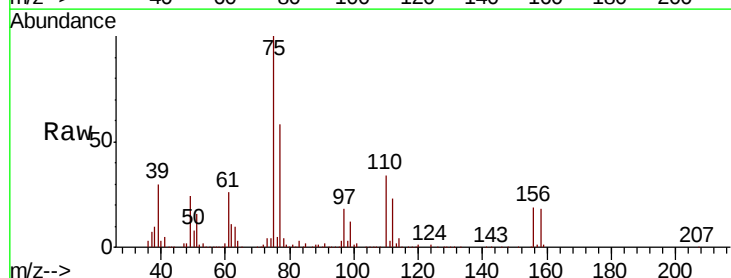
Acq: 27 Aug 2019 19:27

Tgt Ion: 75 Resp: 177924

Ion Ratio Lower Upper

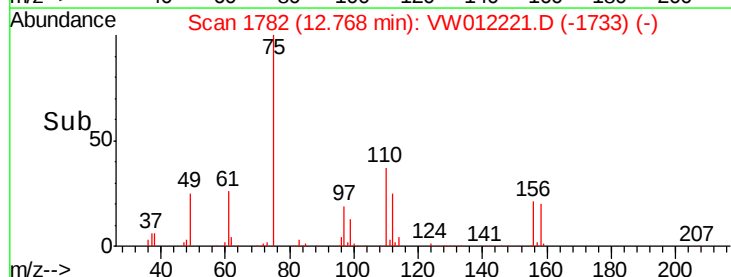
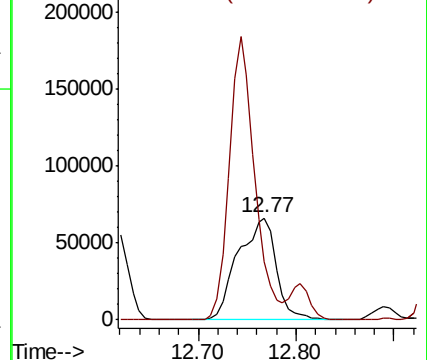
75 100

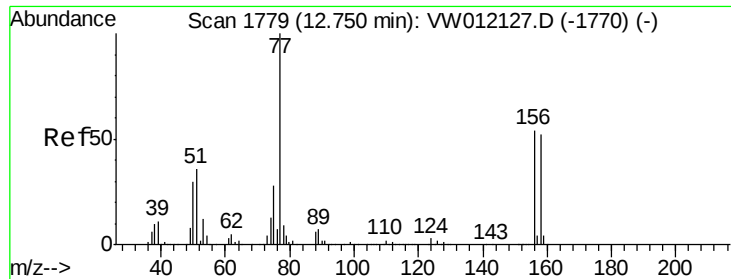
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.165 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

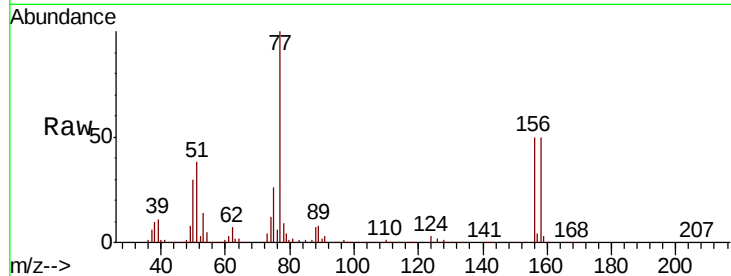
Tgt Ion:156 Resp: 156018

Ion Ratio Lower Upper

156 100

77 213.3 107.3 321.8

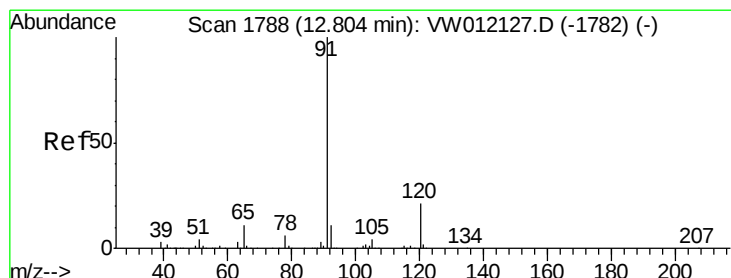
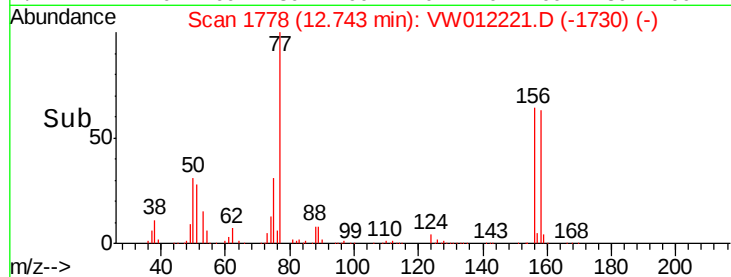
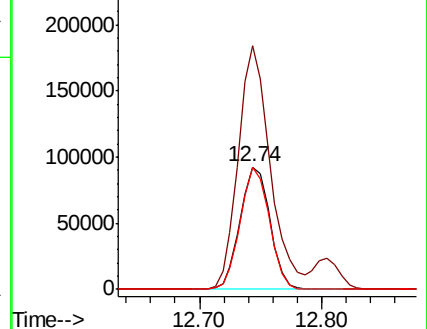
158 97.5 49.0 147.0



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: 56.049 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012221.D

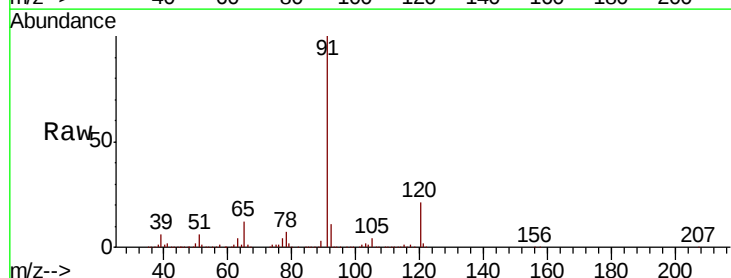
Acq: 27 Aug 2019 19:27

Tgt Ion: 91 Resp: 863215

Ion Ratio Lower Upper

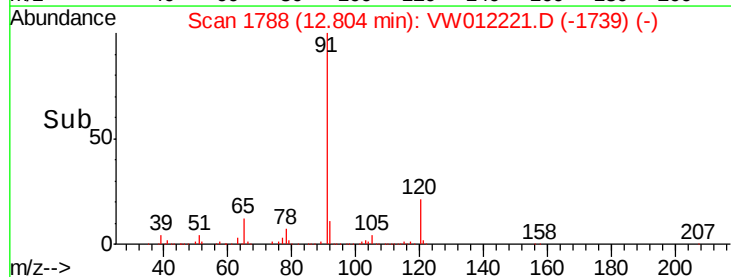
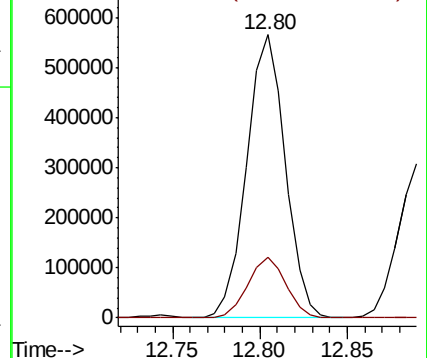
91 100

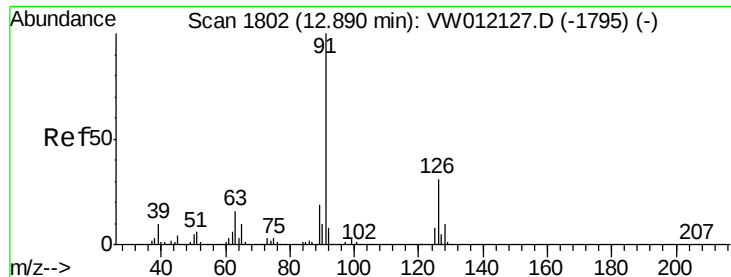
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

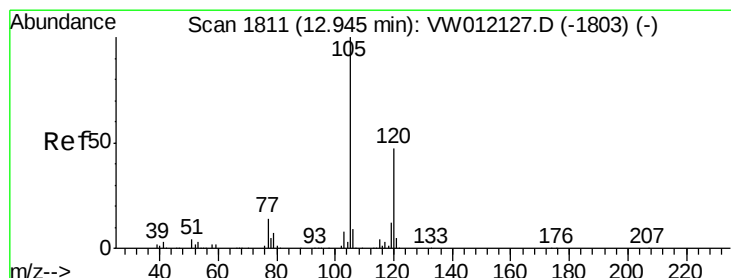
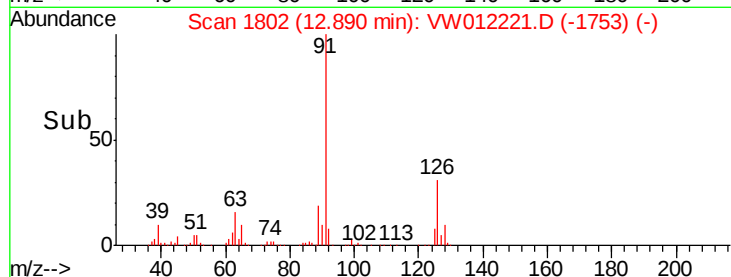
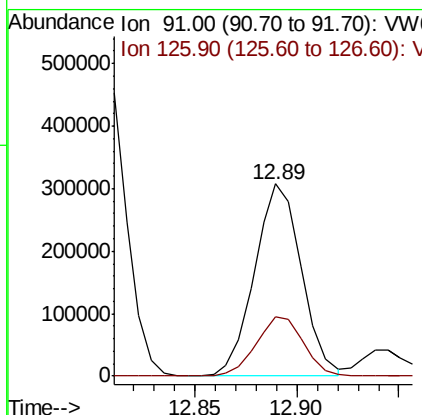
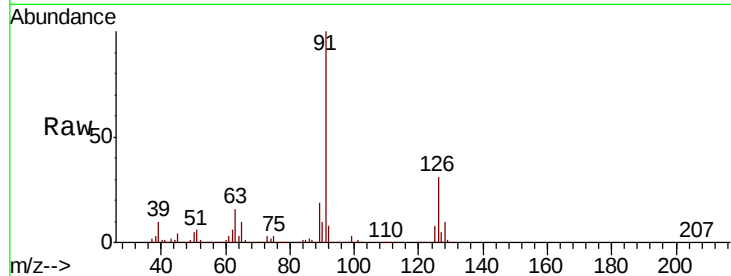




#79
2-Chlorotoluene
Concen: 56.178 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

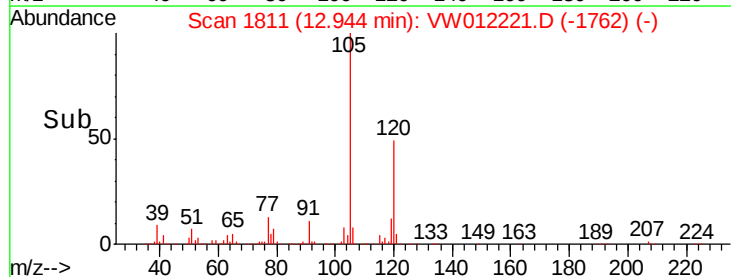
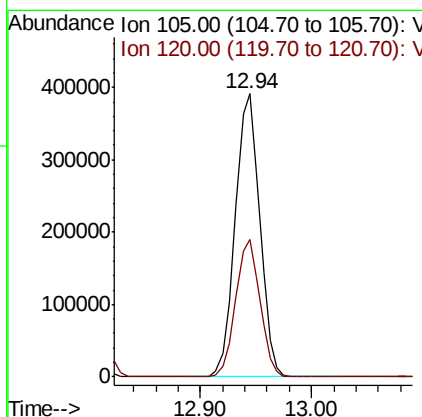
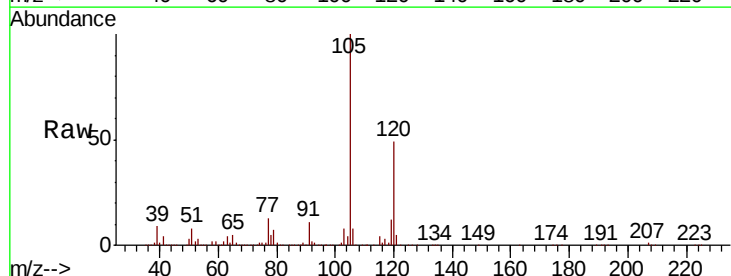
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

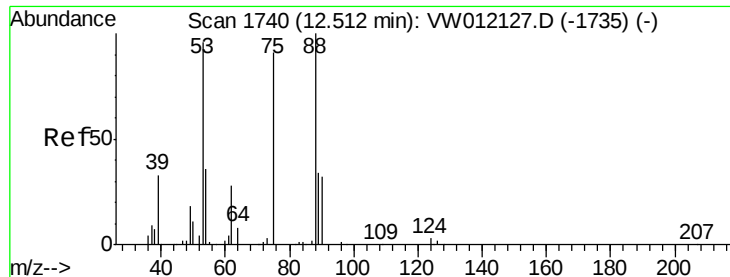
Tgt Ion: 91 Resp: 491208
Ion Ratio Lower Upper
91 100
126 31.3 15.7 47.0



#80
1,3,5-Trimethylbenzene
Concen: 56.564 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion: 105 Resp: 596268
Ion Ratio Lower Upper
105 100
120 48.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.883 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

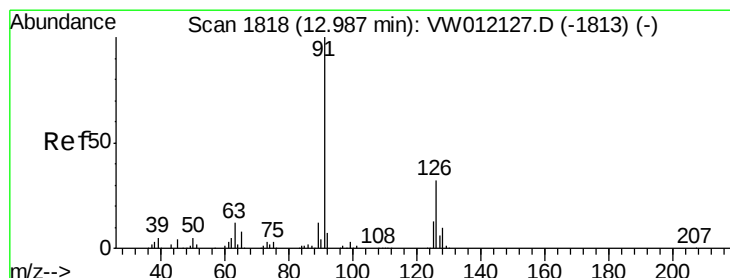
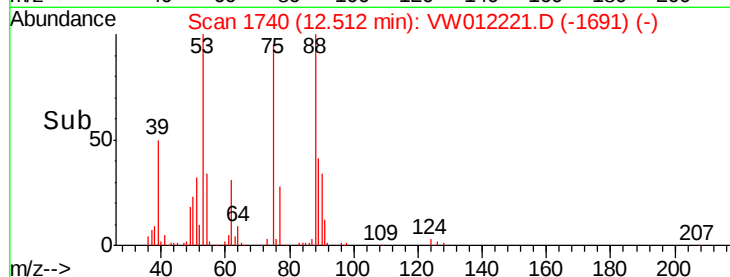
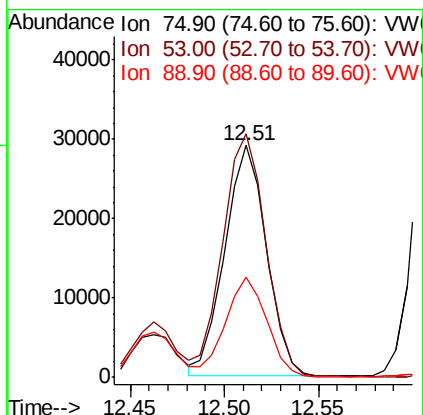
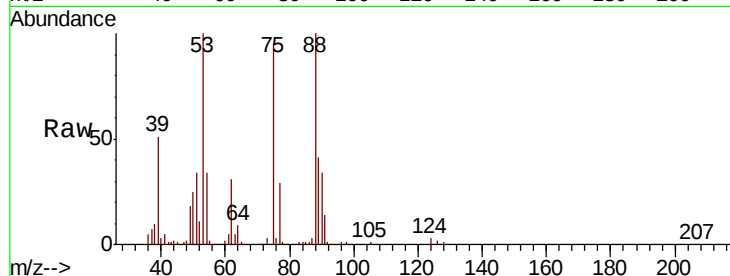
Tgt Ion: 75 Resp: 44784

Ion Ratio Lower Upper

75 100

53 108.2 89.4 134.0

89 42.5 34.5 51.7



#82

4-Chlorotoluene

Concen: 56.097 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012221.D

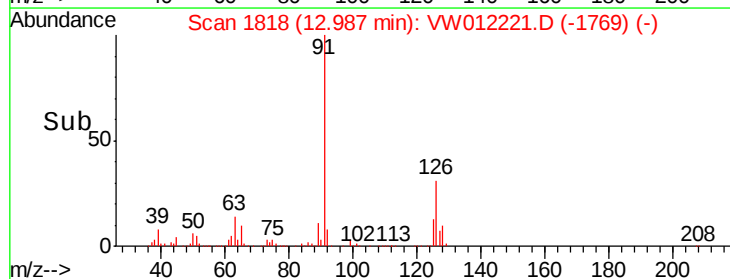
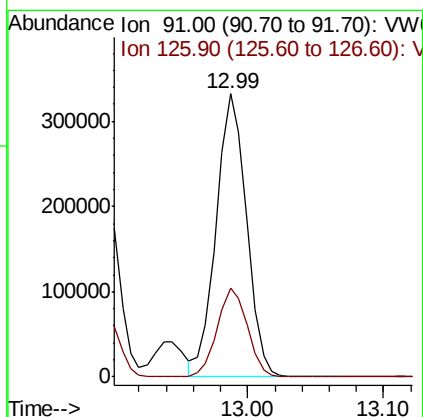
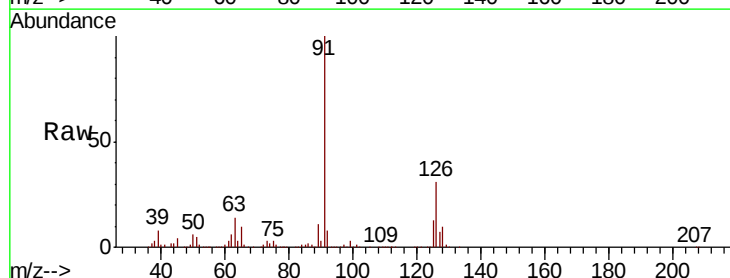
Acq: 27 Aug 2019 19:27

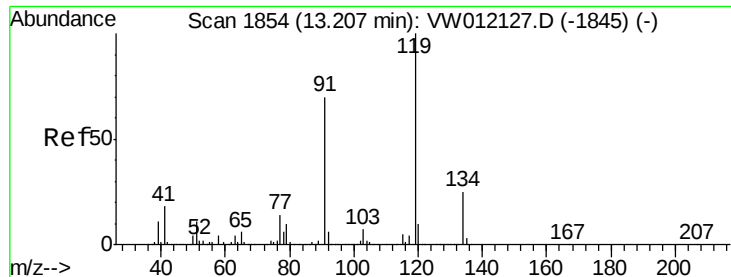
Tgt Ion: 91 Resp: 513594

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.8

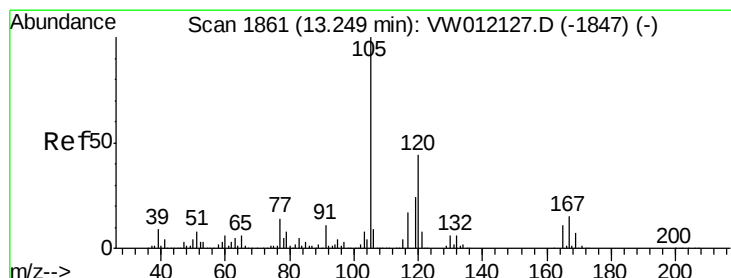
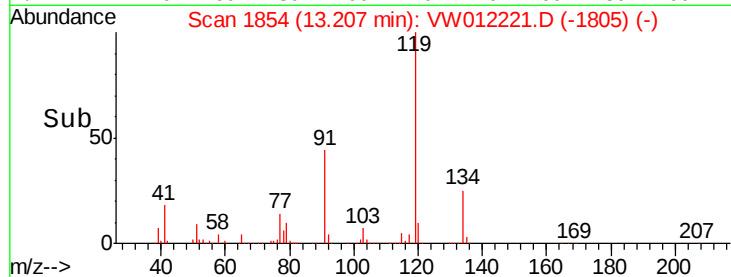
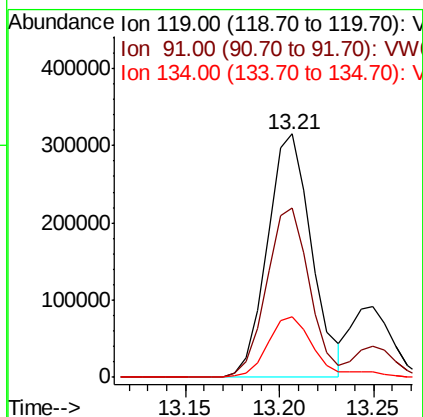
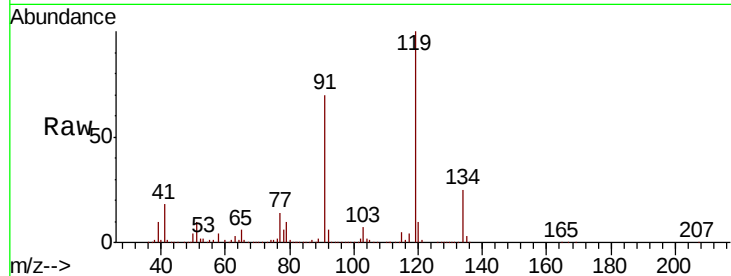




#83
 tert-Butylbenzene
 Concen: 57.507 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

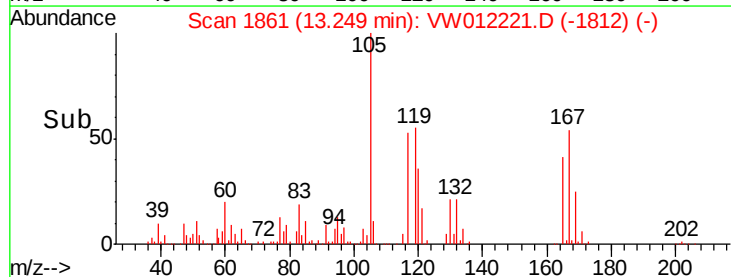
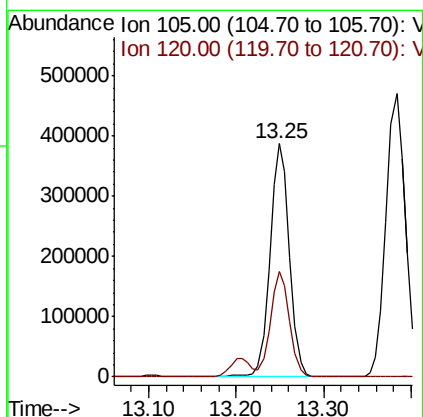
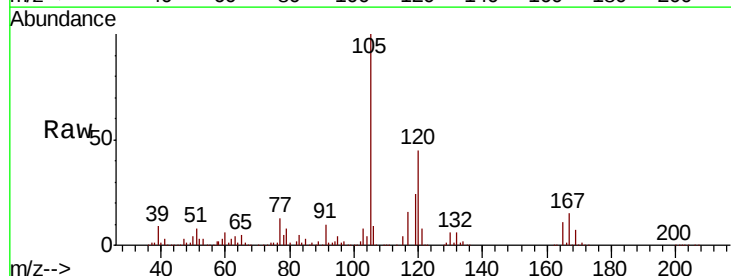
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

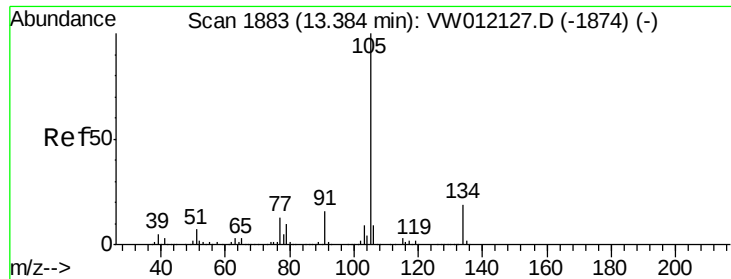
Tgt Ion:119 Resp: 513510
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.8 104.3
 134 24.9 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 56.680 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion:105 Resp: 600199
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.7

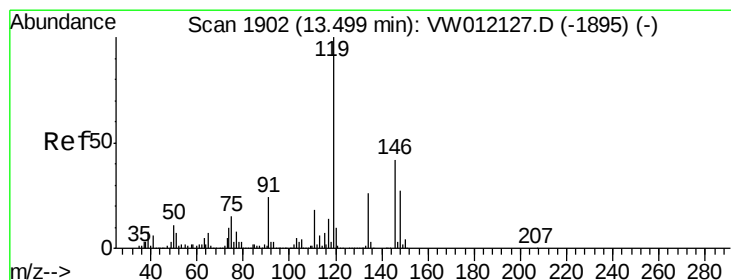
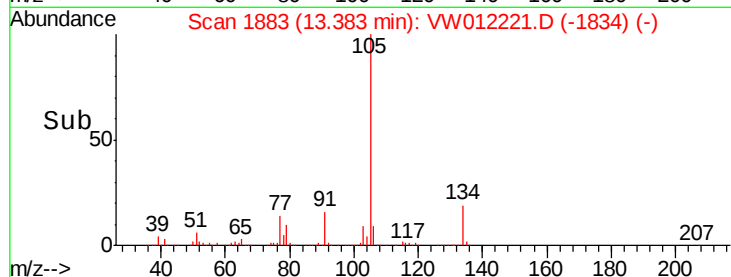
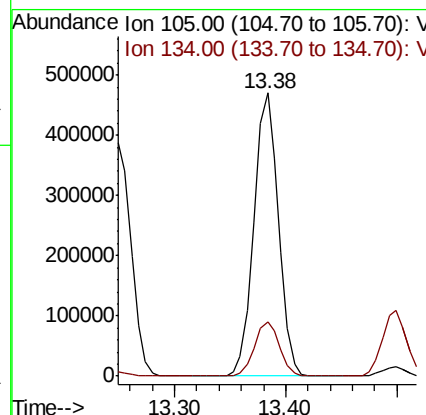
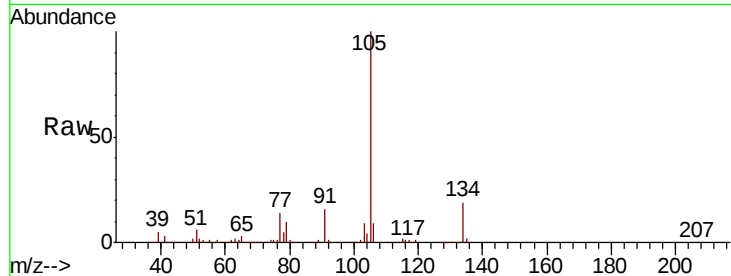




#85
 sec-Butylbenzene
 Concen: 56.282 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

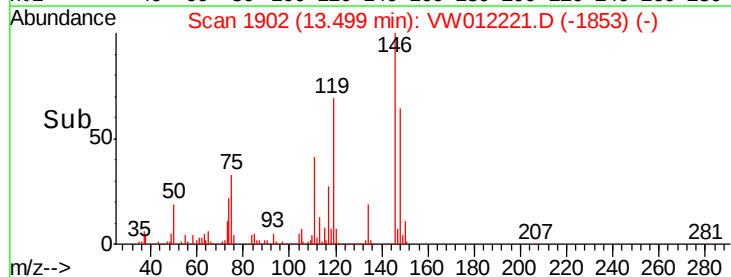
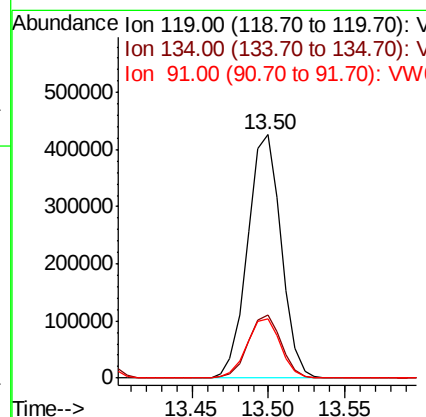
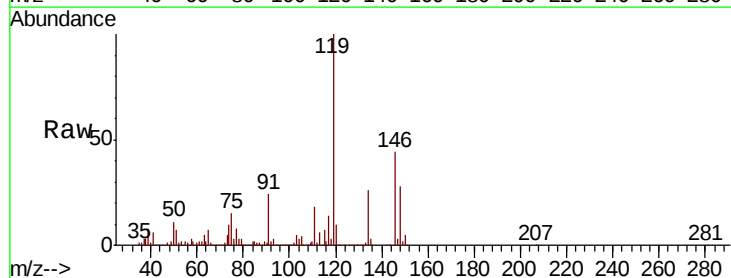
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

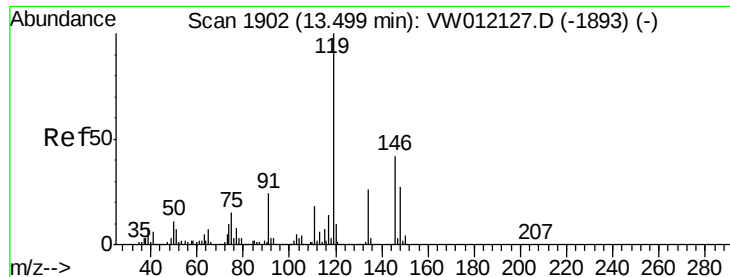
Tgt Ion:105 Resp: 720028
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 56.753 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion:119 Resp: 648401
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.3 12.3 36.9

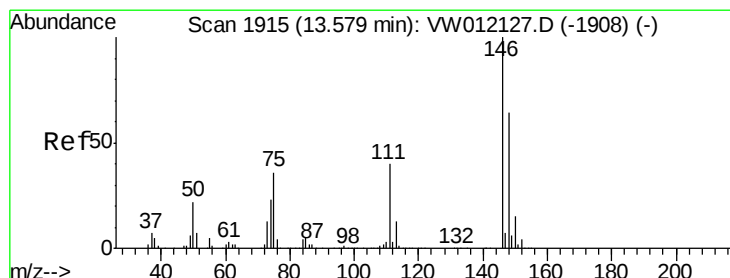
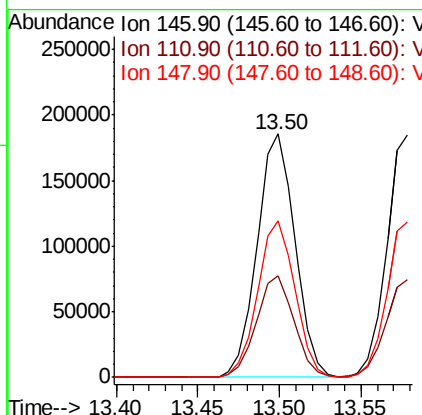
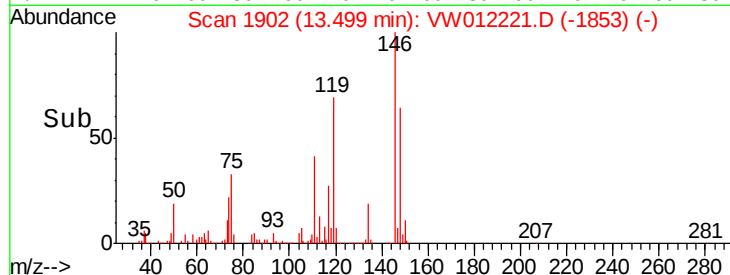
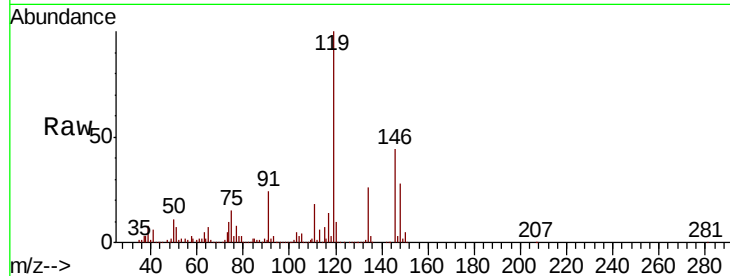




#87
 1,3-Dichlorobenzene
 Concen: 56.141 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

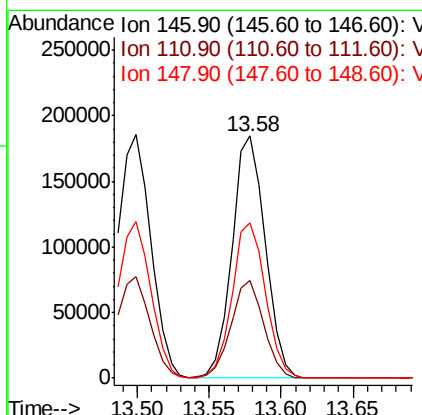
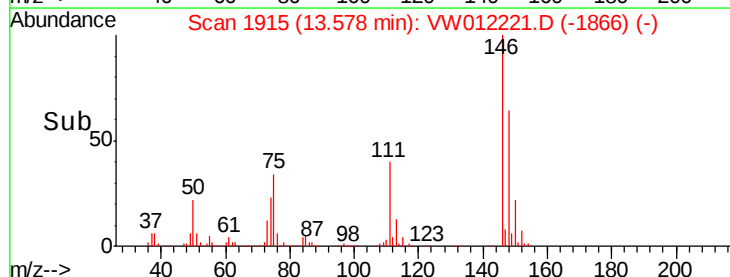
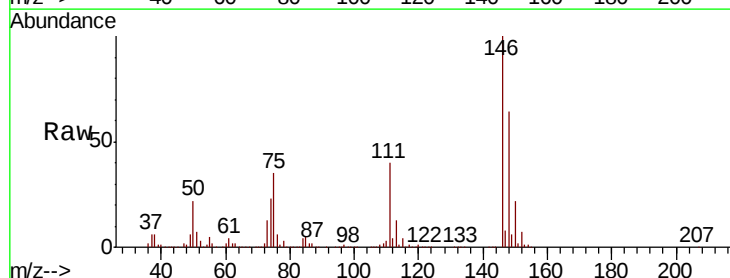
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

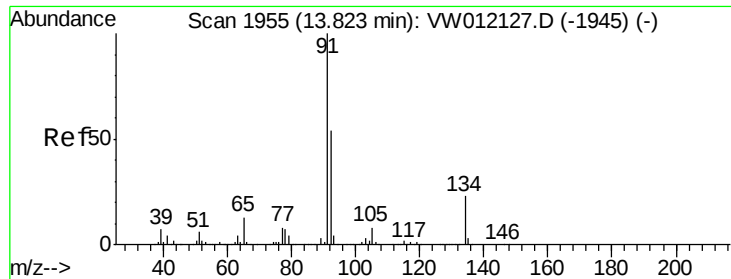
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.7
148	63.4	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 56.001 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	64.3	32.1	96.3





#89

n-Butylbenzene

Concen: 56.375 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

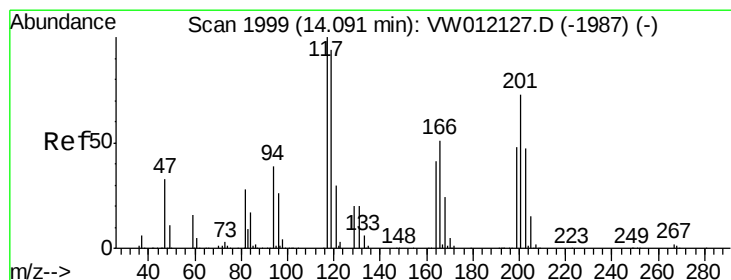
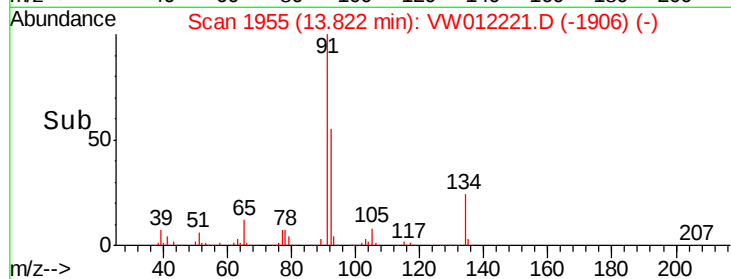
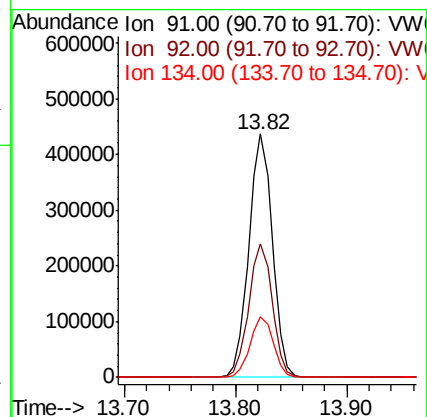
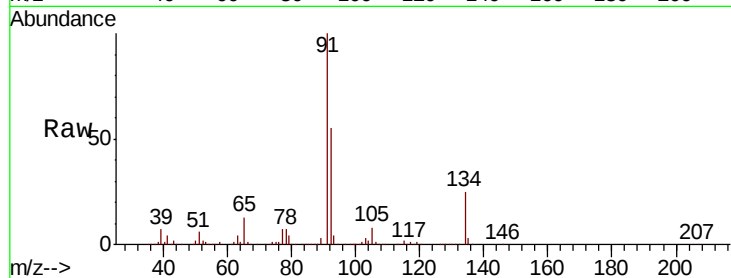
Tgt Ion: 91 Resp: 640502

Ion Ratio Lower Upper

91 100

92 54.8 27.1 81.2

134 24.7 12.2 36.4



#90

Hexachloroethane

Concen: 57.018 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012221.D

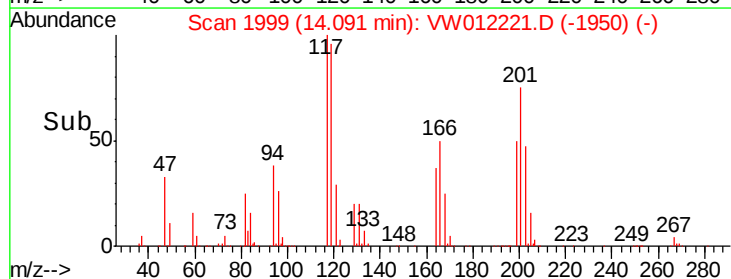
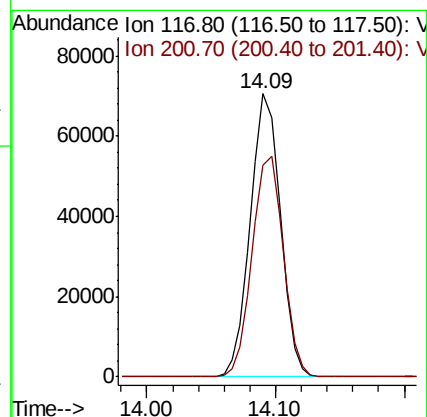
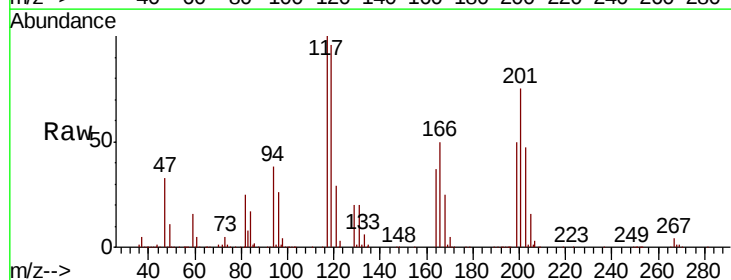
Acq: 27 Aug 2019 19:27

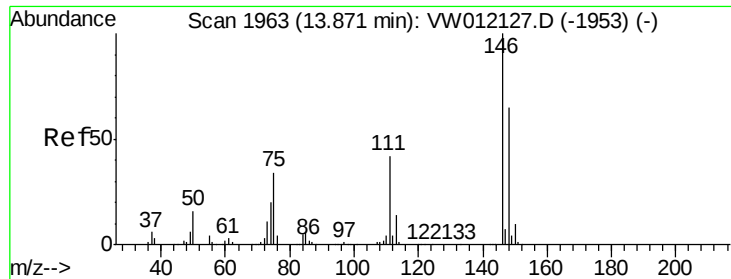
Tgt Ion: 117 Resp: 114291

Ion Ratio Lower Upper

117 100

201 80.3 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 56.764 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

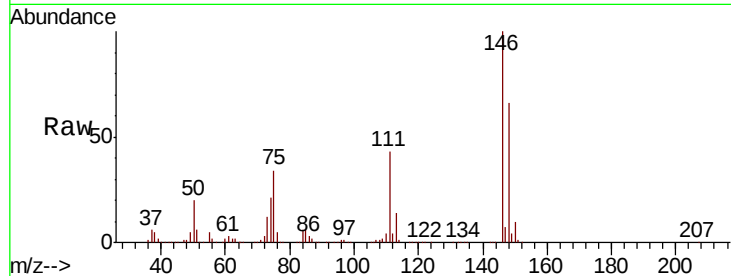
Tgt Ion:146 Resp: 265829

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

148 64.8 32.5 97.4

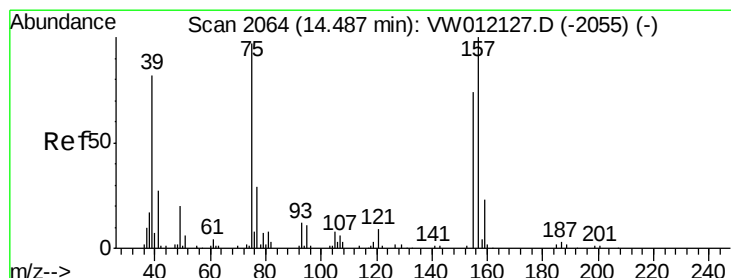
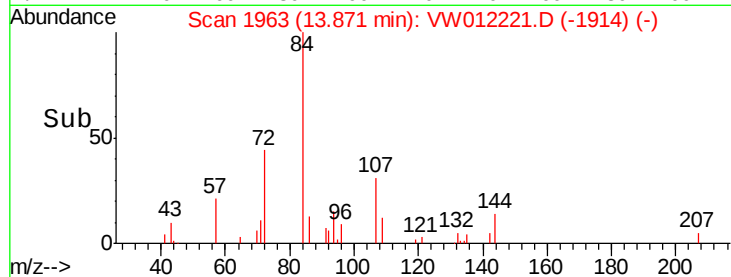
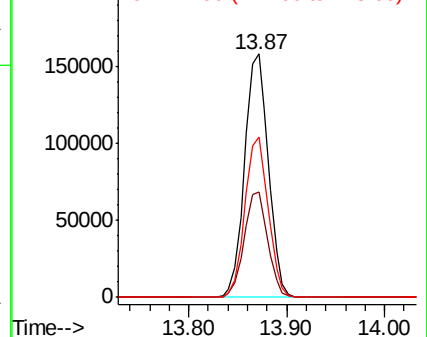


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.650 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012221.D

Acq: 27 Aug 2019 19:27

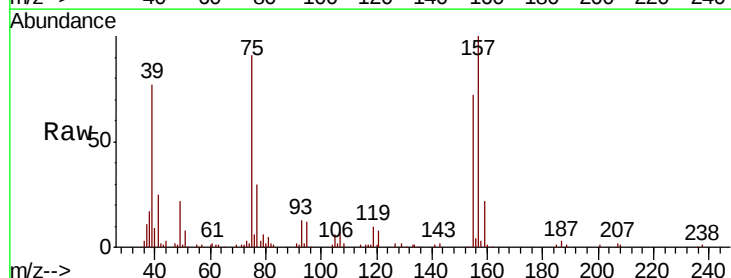
Tgt Ion: 75 Resp: 22088

Ion Ratio Lower Upper

75 100

155 80.4 37.5 112.3

157 101.3 50.5 151.5

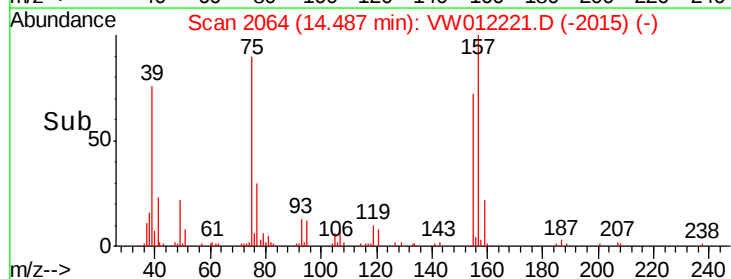
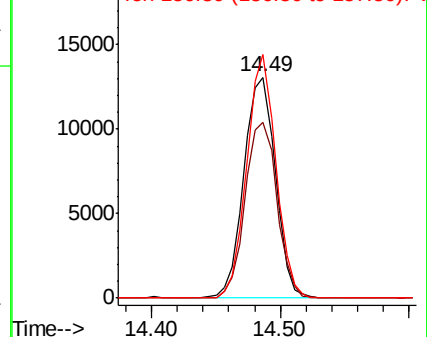


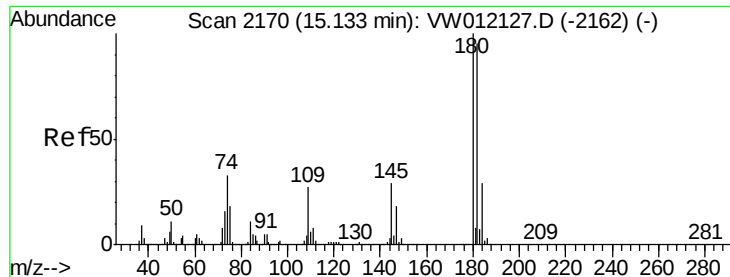
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

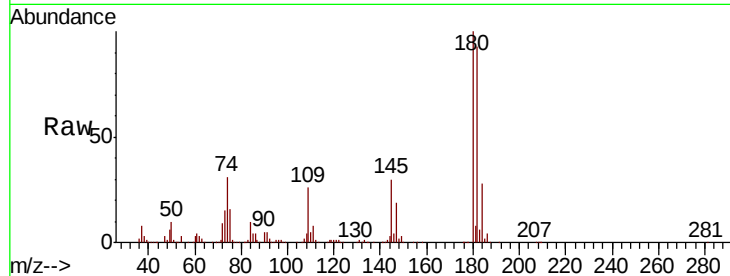




#93
 1,2,4-Trichlorobenzene
 Concen: 58.467 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	189216		
182	95.1	47.8	143.4	
145	30.4	15.0	45.1	

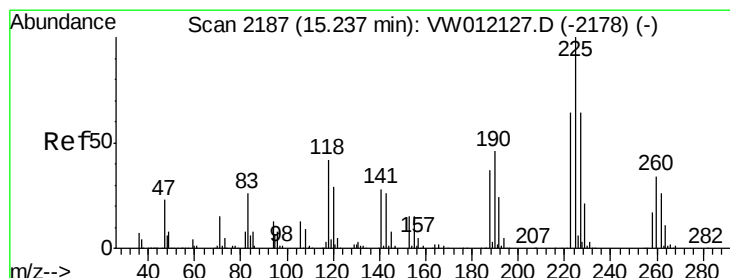
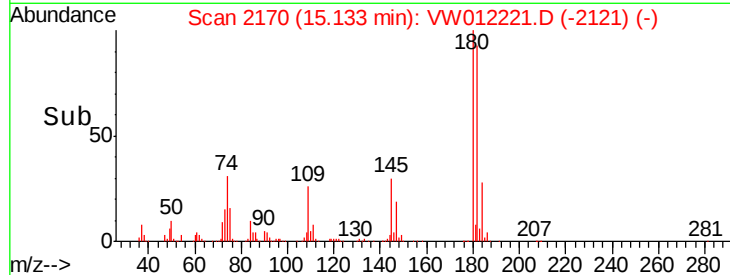
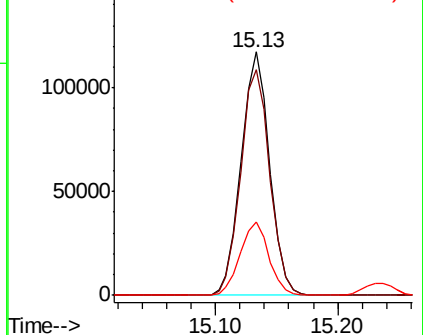


Abundance

Ion 179.80 (179.50 to 180.50): V

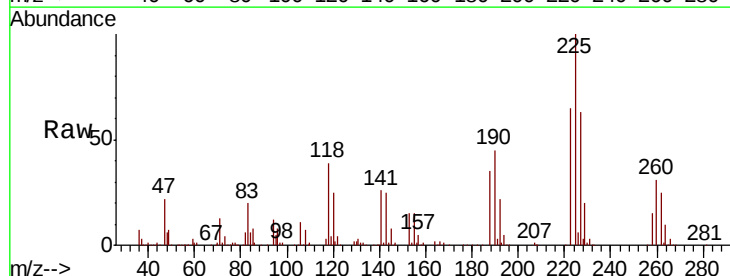
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 56.422 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012221.D
 Acq: 27 Aug 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120570		
223	63.6	32.3	96.8	
227	63.2	32.9	98.6	

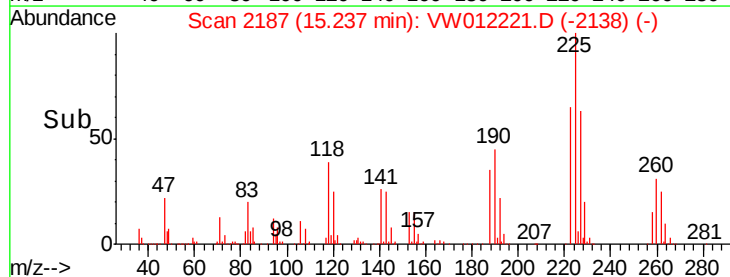
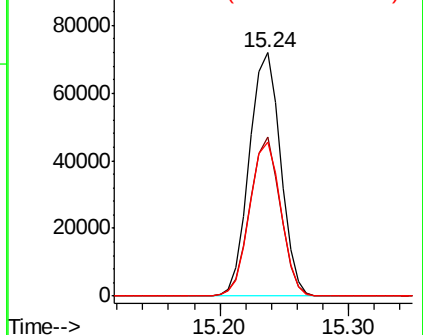


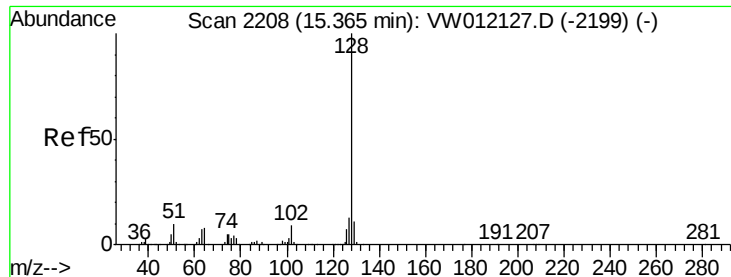
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

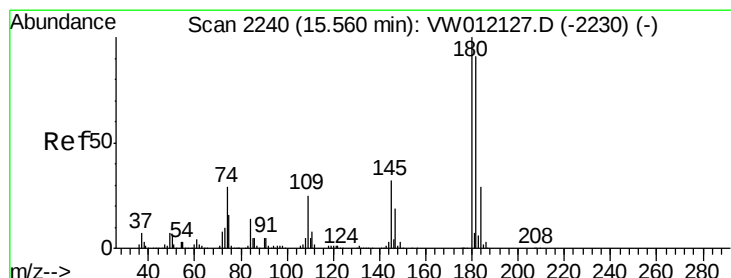
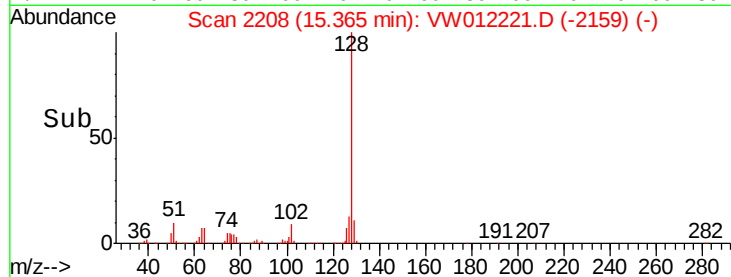
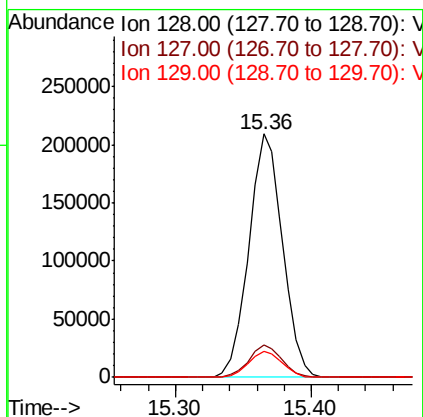
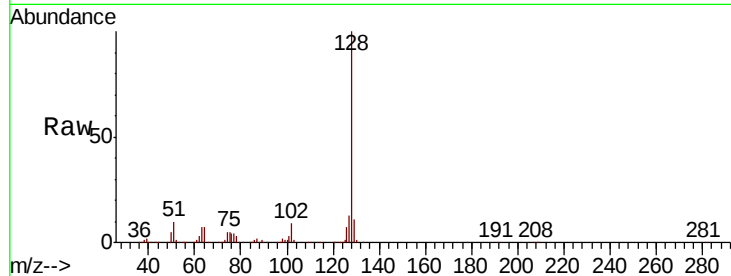




#95
Naphthalene
Concen: 56.577 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 363246
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 59.776 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012221.D
Acq: 27 Aug 2019 19:27

Tgt Ion:180 Resp: 168781
Ion Ratio Lower Upper
180 100
182 93.7 47.1 141.3
145 31.6 16.2 48.5

