

Data File : VW012196.D
Acq On : 27 Aug 2019 02:26
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 27 05:04:03 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	237187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	150398	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	7.88	113	118768	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.32	98	475034	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	173812	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	67034	45.900	ug/l	99
3) Chloromethane	2.21	50	110116	48.667	ug/l	100
4) Vinyl Chloride	2.36	62	132177	47.728	ug/l	99
5) Bromomethane	2.77	94	78660	56.084	ug/l	98
6) Chloroethane	2.92	64	82256	52.652	ug/l	95
7) Trichlorofluoromethane	3.25	101	63090	45.369	ug/l	97
8) Diethyl Ether	3.68	74	79194	59.998	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	117453	49.690	ug/l	98
10) Methyl Iodide	4.27	142	180078	56.306	ug/l	99
11) Tert butyl alcohol	5.17	59	54945	323.814	ug/l	99
12) 1,1-Dichloroethene	4.04	96	123510	51.915	ug/l	96
13) Acrolein	3.89	56	42008	263.004	ug/l	95
14) Allyl chloride	4.66	41	272793	53.634	ug/l	99
15) Acrylonitrile	5.36	53	208206	318.240	ug/l	99
16) Acetone	4.12	43	171283	237.648	ug/l	97
17) Carbon Disulfide	4.38	76	361211	50.237	ug/l	100
18) Methyl Acetate	4.67	43	119012	66.668	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	241906	62.876	ug/l	99
20) Methylene Chloride	4.92	84	146602	53.805	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	139010	54.488	ug/l	99
22) Diisopropyl ether	6.31	45	566882	60.130	ug/l	96
23) Vinyl Acetate	6.25	43	1784274	307.531	ug/l	99
24) 1,1-Dichloroethane	6.21	63	290027	56.500	ug/l	99
25) 2-Butanone	7.16	43	296454	302.688	ug/l	99
26) 2,2-Dichloropropane	7.16	77	139603	48.049	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	161205	59.141	ug/l	98
28) Bromochloromethane	7.51	49	124964	55.855	ug/l #	24
29) Tetrahydrofuran	7.52	42	198179	337.267	ug/l	99
30) Chloroform	7.67	83	268496	57.171	ug/l	98
31) Cyclohexane	7.95	56	247537	48.741	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	204272	54.983	ug/l	99
36) 1,1-Dichloropropene	8.08	75	212270	51.192	ug/l	100
37) Ethyl Acetate	7.25	43	137043	60.312	ug/l	100
38) Carbon Tetrachloride	8.07	117	180944	50.417	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	234986	50.445	ug/l	98
40) Benzene	8.32	78	612654	54.110	ug/l	99
41) Methacrylonitrile	7.48	41	84806	63.502	ug/l	97
42) 1,2-Dichloroethane	8.40	62	201691	56.838	ug/l	99
43) Isopropyl Acetate	8.42	43	265513	63.084	ug/l	99
44) Trichloroethene	9.09	130	148297	53.878	ug/l	95
45) 1,2-Dichloropropane	9.37	63	171689	56.343	ug/l	100
46) Dibromomethane	9.46	93	78300	57.752	ug/l	99
47) Bromodichloromethane	9.64	83	202635	56.157	ug/l	97
48) Methyl methacrylate	9.43	41	129009	64.401	ug/l	99
49) 1,4-Dioxane	9.45	88	24328	1172.117	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	687084	320.951	ug/l	100
52) Toluene	10.38	92	374456	55.052	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	216213	58.825	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	252843	56.972	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	113158	58.990	ug/l	99
56) Ethyl methacrylate	10.65	69	181678	65.074	ug/l	99
57) 1,3-Dichloropropane	10.93	76	215236	59.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	435195	303.727	ug/l	100
59) 2-Hexanone	10.97	43	467995	308.961	ug/l	99
60) Dibromochloromethane	11.13	129	136502	63.887	ug/l	95
61) 1,2-Dibromoethane	11.23	107	109385	61.208	ug/l	98
64) Tetrachloroethene	10.86	164	128121	55.235	ug/l	98
65) Chlorobenzene	11.66	112	379975	53.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135931	55.308	ug/l	99
67) Ethyl Benzene	11.73	91	727006	53.571	ug/l	99
68) m/p-Xylenes	11.84	106	523575	107.106	ug/l	100
69) o-Xylene	12.16	106	251708	55.634	ug/l	99
70) Styrene	12.18	104	436953	55.796	ug/l	100
71) Bromoform	12.35	173	73645	60.143	ug/l #	98
73) Isopropylbenzene	12.46	105	681295	54.102	ug/l	99
74) N-amyl acetate	12.27	43	244668	64.307	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	139617	60.476	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	180778	110.448	ug/l #	100
77) Bromobenzene	12.74	156	156997	57.628	ug/l	97
78) n-propylbenzene	12.80	91	816516	53.112	ug/l	99
79) 2-Chlorotoluene	12.89	91	476085	54.546	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	575621	54.703	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44049	59.006	ug/l	97
82) 4-Chlorotoluene	12.99	91	496143	54.289	ug/l	99
83) tert-Butylbenzene	13.21	119	489870	54.958	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	576981	54.585	ug/l	100
85) sec-Butylbenzene	13.38	105	686923	53.791	ug/l	99
86) p-Isopropyltoluene	13.50	119	615610	53.979	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	287667	53.984	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	286834	54.212	ug/l	99
89) n-Butylbenzene	13.82	91	593825	52.360	ug/l	100
90) Hexachloroethane	14.09	117	110285	55.118	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	262953	56.251	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	24483	62.906	ug/l	96

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

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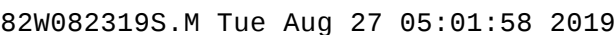
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 27 05:04:03 2019
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	185303	57.361	ug/l	99
94) Hexachlorobutadiene	15.24	225	111748	52.388	ug/l	97
95) Naphthalene	15.36	128	390961	60.666	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	169031	59.972	ug/l	97

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

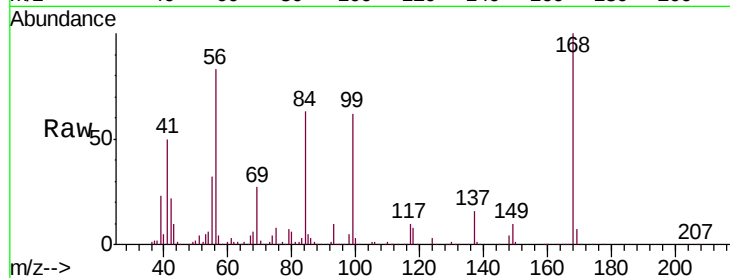
VSTDCCC050EC

Tgt Ion:168 Resp: 237187

Ion Ratio Lower Upper

168 100

99 61.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

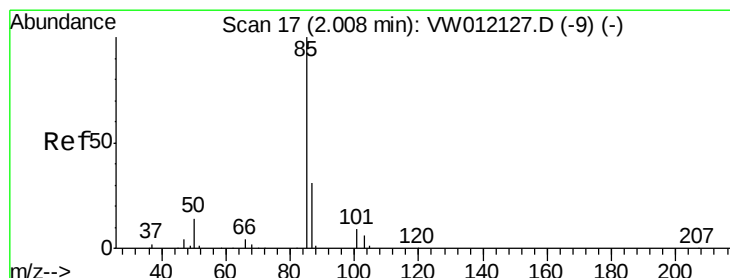
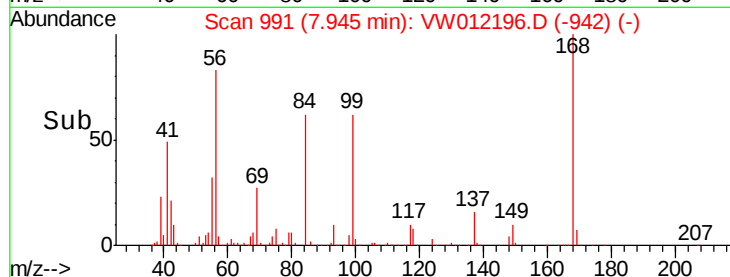
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 45.900 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012196.D

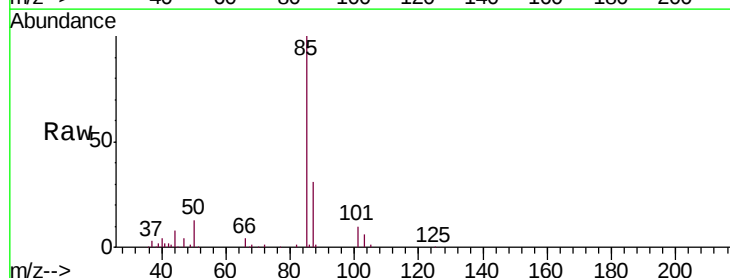
Acq: 27 Aug 2019 02:26

Tgt Ion: 85 Resp: 67034

Ion Ratio Lower Upper

85 100

87 30.9 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

25000

20000

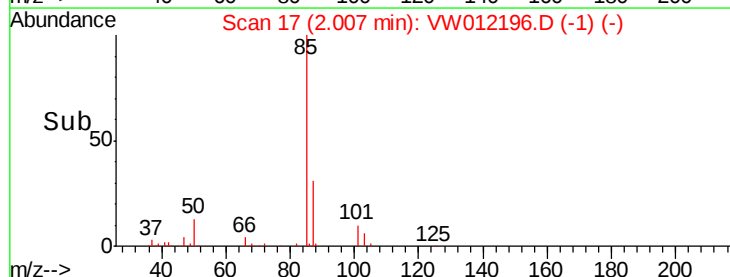
15000

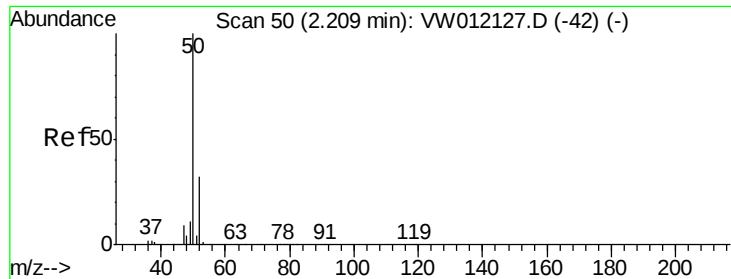
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 48.667 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

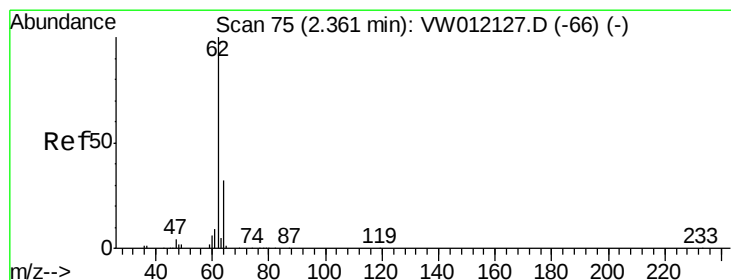
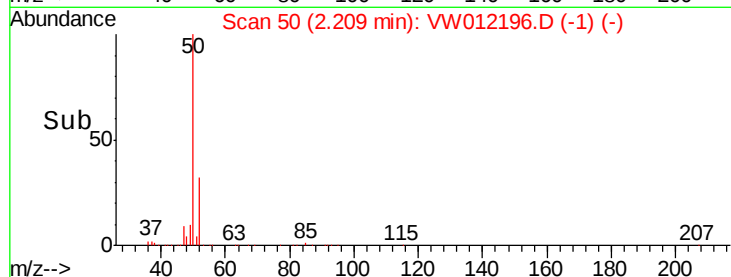
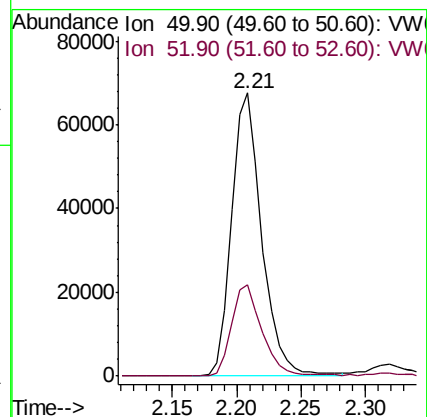
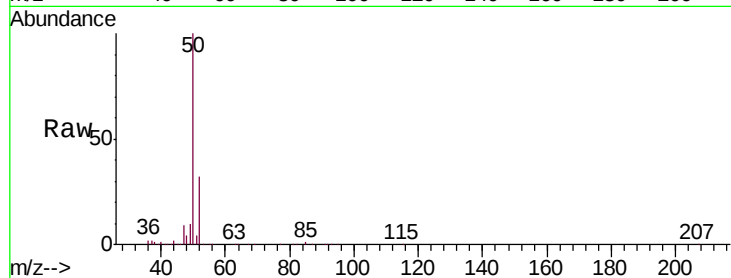
VSTDCCC050EC

Tgt Ion: 50 Resp: 110116

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3



#4

Vinyl Chloride

Concen: 47.728 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012196.D

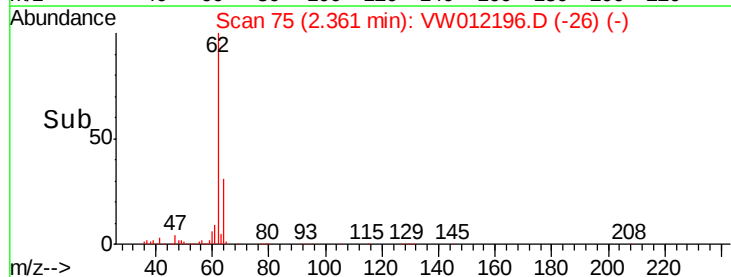
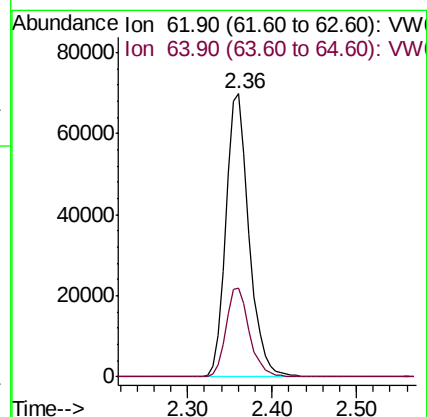
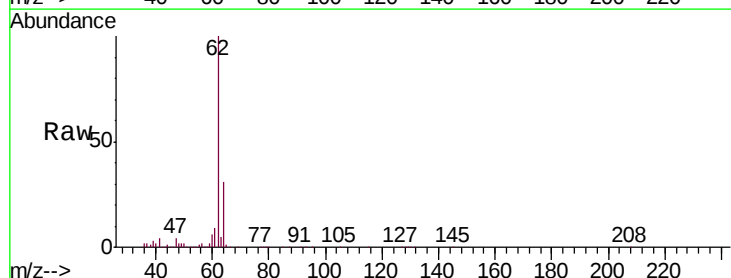
Acq: 27 Aug 2019 02:26

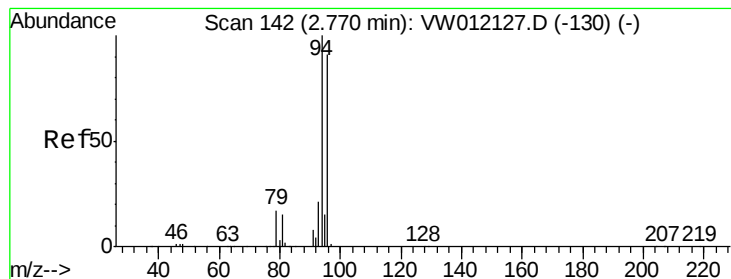
Tgt Ion: 62 Resp: 132177

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 56.084 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

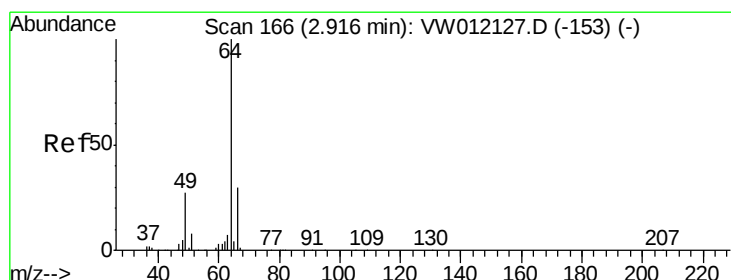
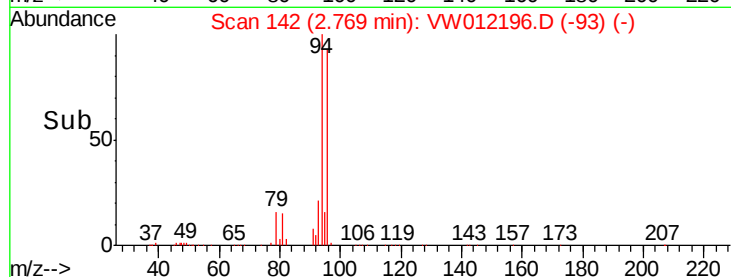
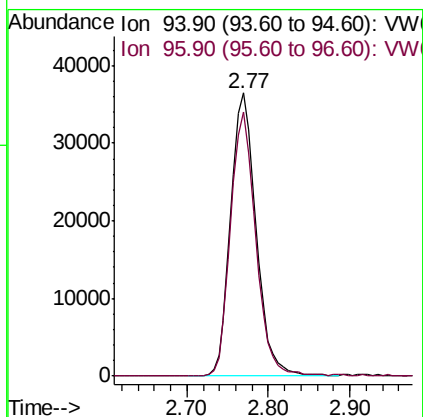
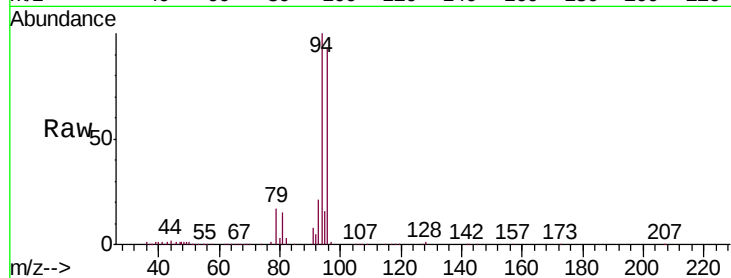
VSTDCCC050EC

Tgt Ion: 94 Resp: 78660

Ion Ratio Lower Upper

94 100

96 93.3 72.9 109.3



#6

Chloroethane

Concen: 52.652 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012196.D

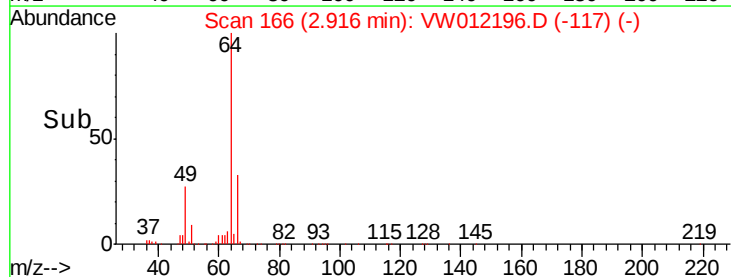
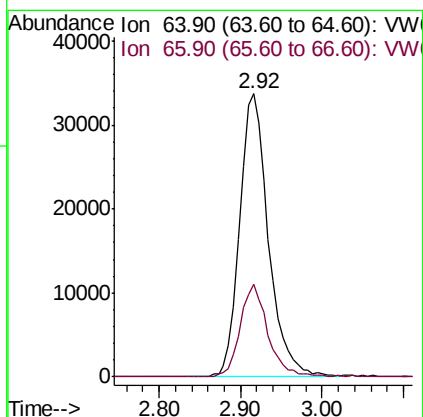
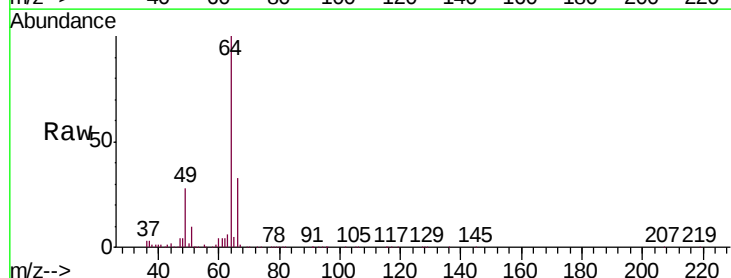
Acq: 27 Aug 2019 02:26

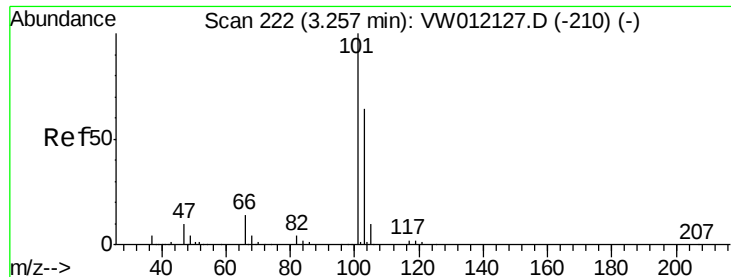
Tgt Ion: 64 Resp: 82256

Ion Ratio Lower Upper

64 100

66 32.7 23.8 35.8



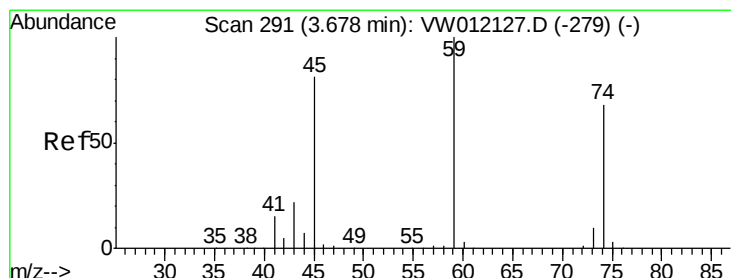
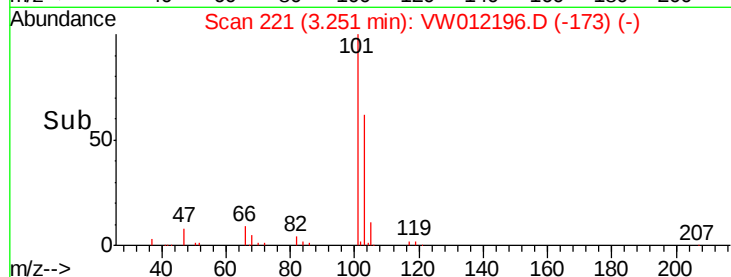
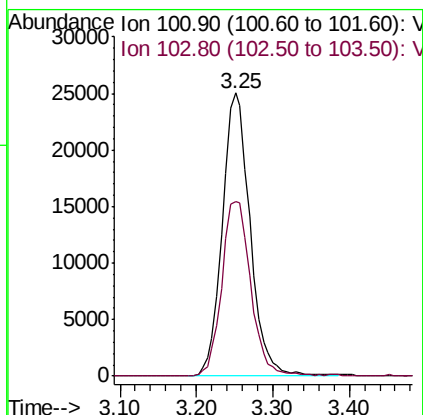
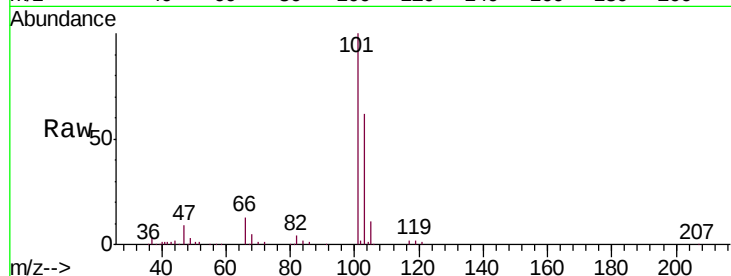


#7

Trichlorofluoromethane
 Concen: 45.369 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012196.D
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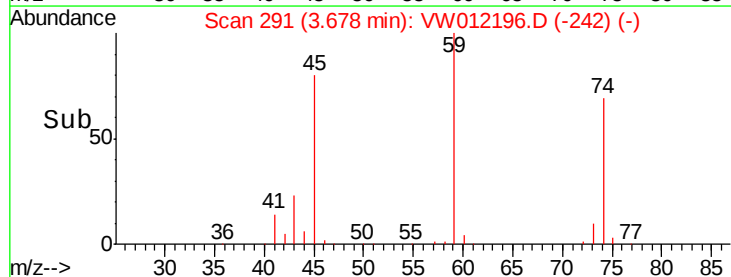
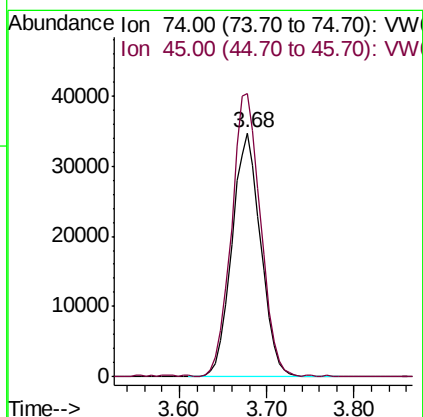
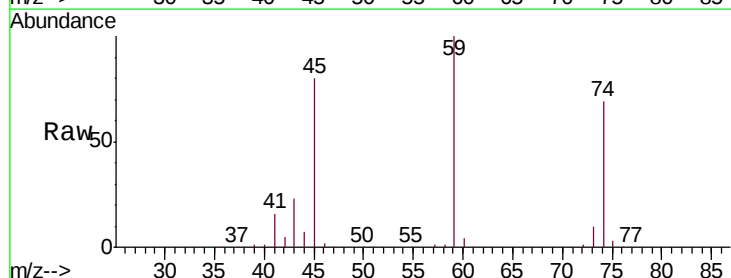
Tgt Ion:101 Resp: 63090
 Ion Ratio Lower Upper
 101 100
 103 61.7 51.2 76.8

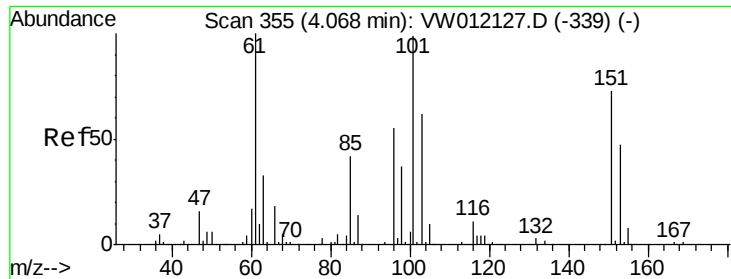


#8

Diethyl Ether
 Concen: 59.998 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion: 74 Resp: 79194
 Ion Ratio Lower Upper
 74 100
 45 117.5 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.690 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

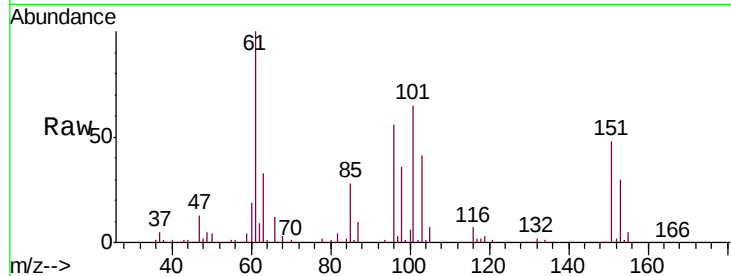
Tgt Ion:101 Resp: 117453

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

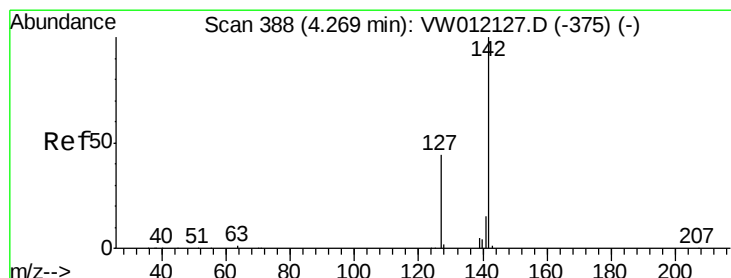
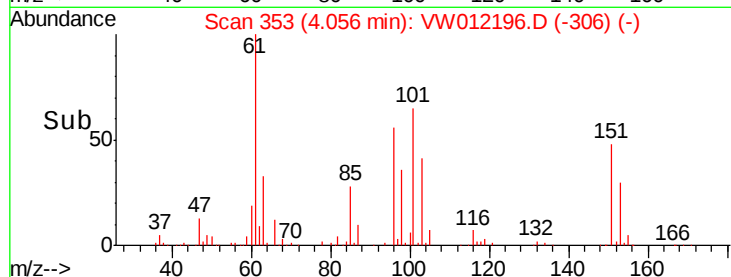
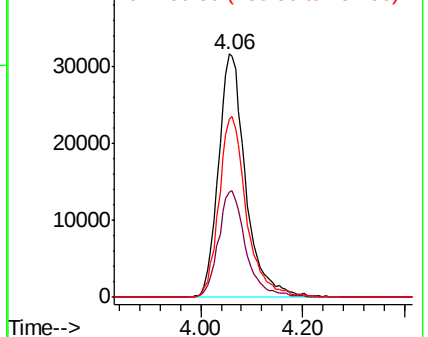
151 75.2 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.306 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

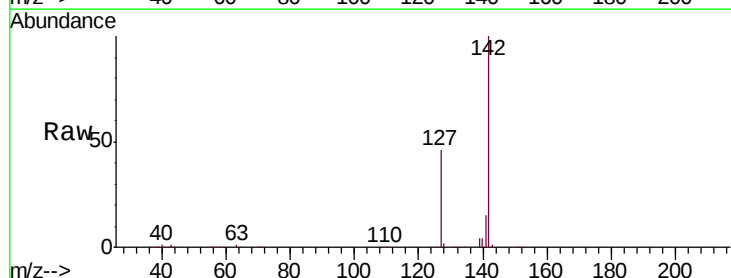
Tgt Ion:142 Resp: 180078

Ion Ratio Lower Upper

142 100

127 43.7 35.5 53.3

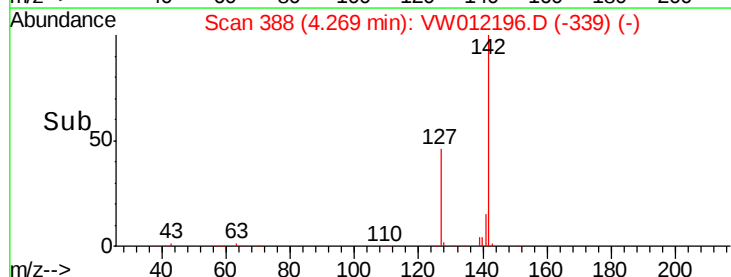
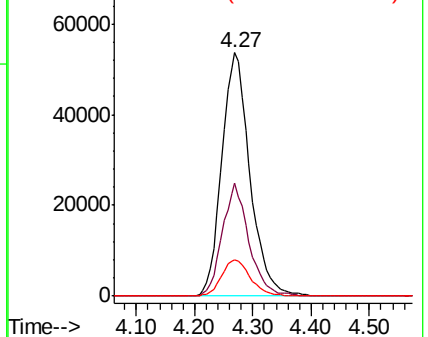
141 15.2 11.8 17.8

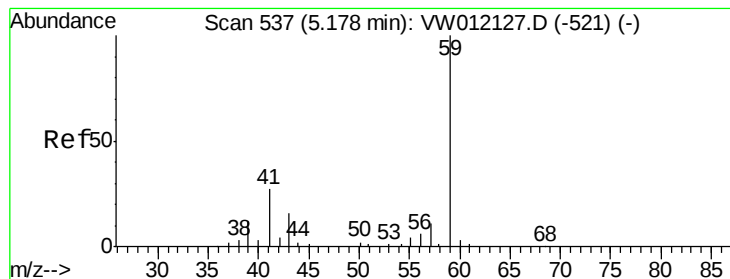


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



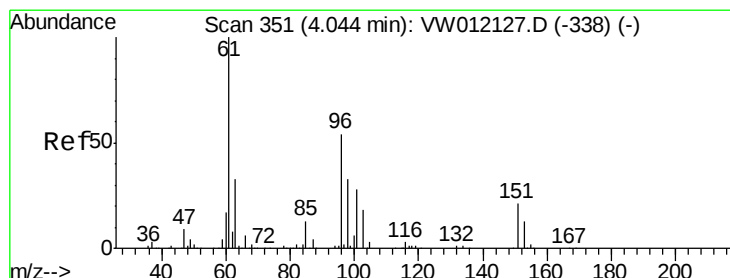
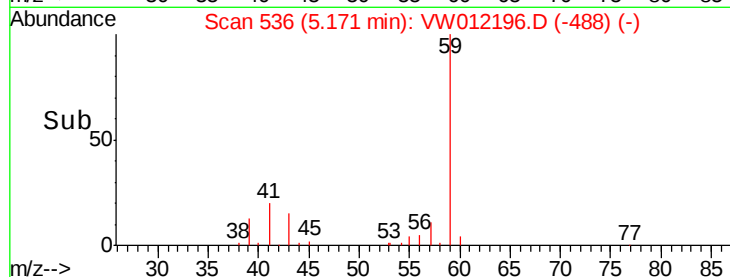
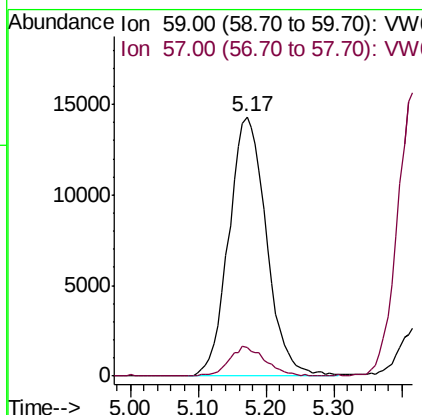
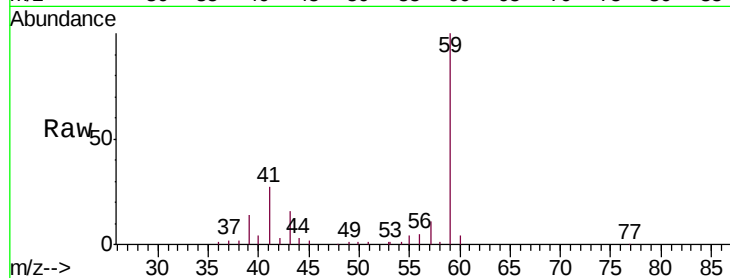


#11

Tert butyl alcohol
 Concen: 323.814 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

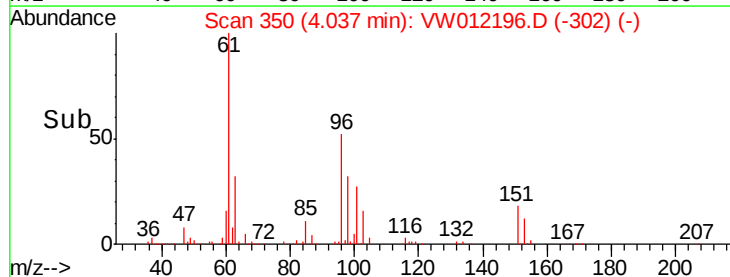
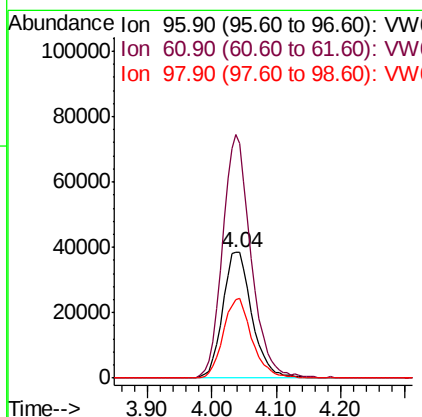
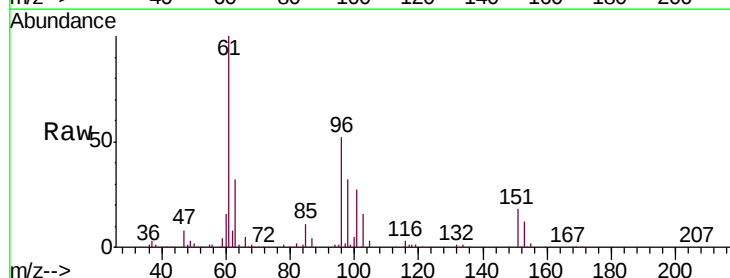
Tgt Ion: 59 Resp: 54945
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.4

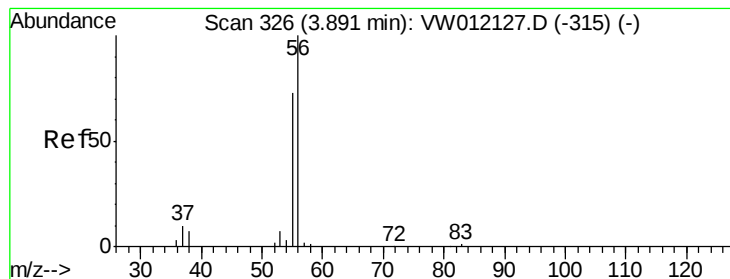


#12

1,1-Dichloroethene
 Concen: 51.915 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion: 96 Resp: 123510
 Ion Ratio Lower Upper
 96 100
 61 193.3 149.1 223.7
 98 62.4 49.4 74.2





#13

Acrolein

Concen: 263.004 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

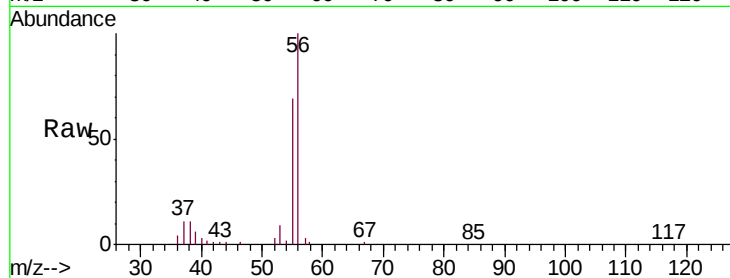
VSTDCCC050EC

Tgt Ion: 56 Resp: 42008

Ion Ratio Lower Upper

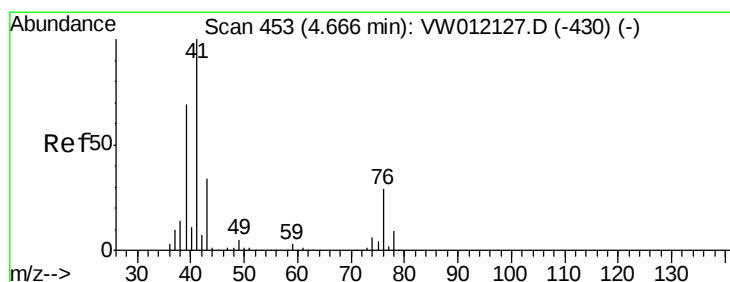
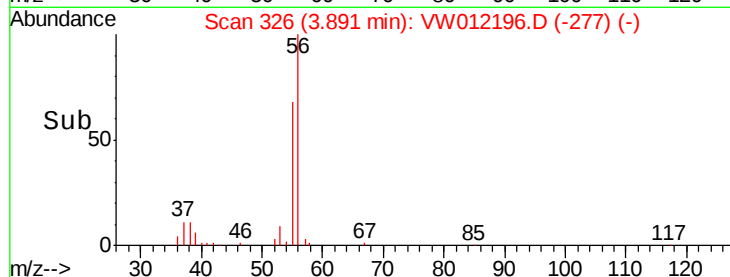
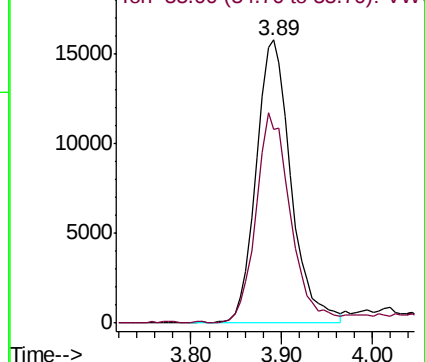
56 100

55 73.6 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 53.634 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

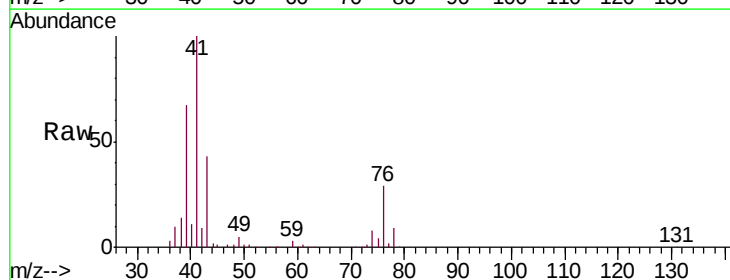
Tgt Ion: 41 Resp: 272793

Ion Ratio Lower Upper

41 100

39 65.7 53.4 80.2

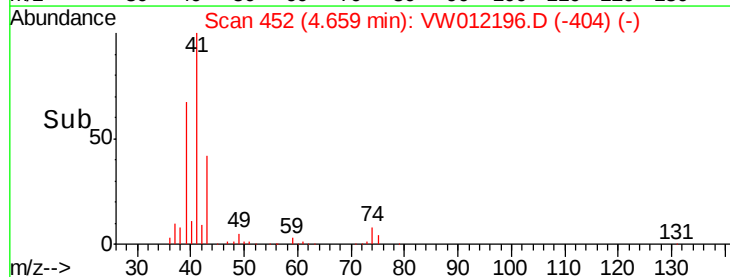
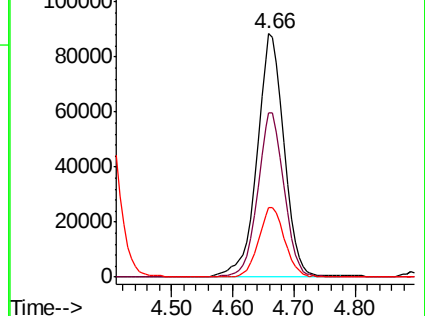
76 27.8 22.1 33.1

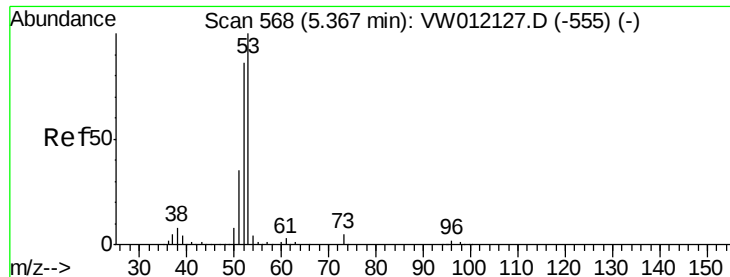


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 318.240 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

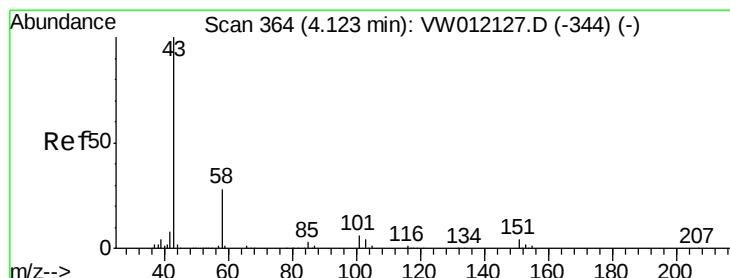
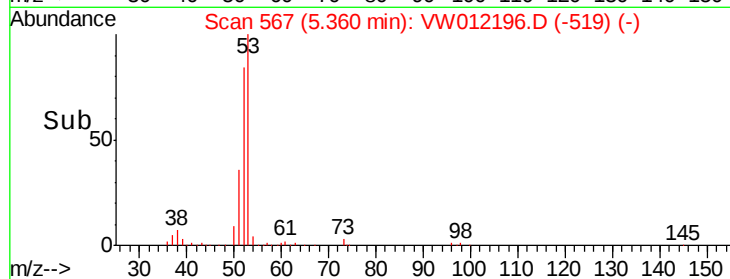
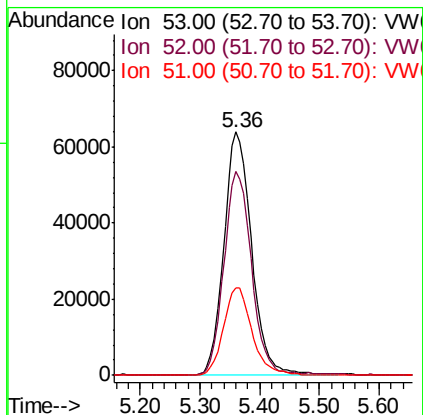
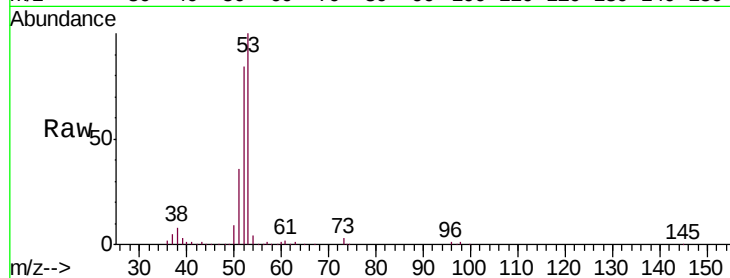
Tgt Ion: 53 Resp: 208206

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

51 36.8 30.1 45.1



#16

Acetone

Concen: 237.648 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012196.D

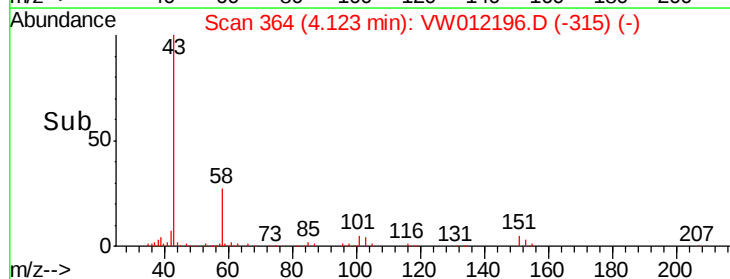
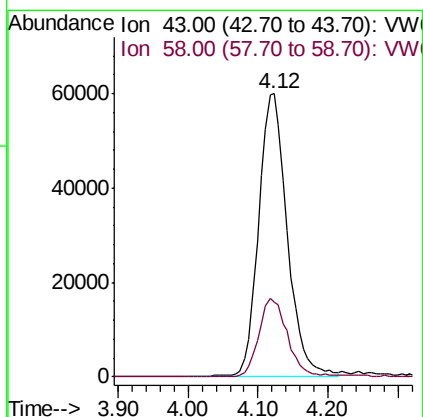
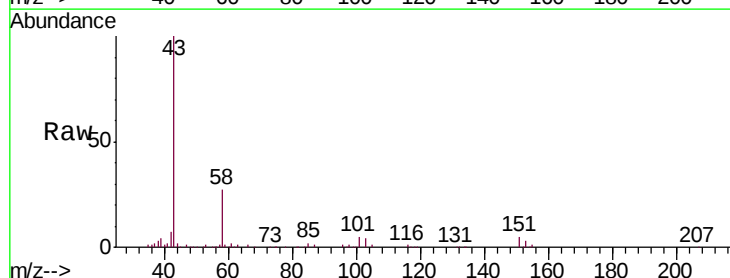
Acq: 27 Aug 2019 02:26

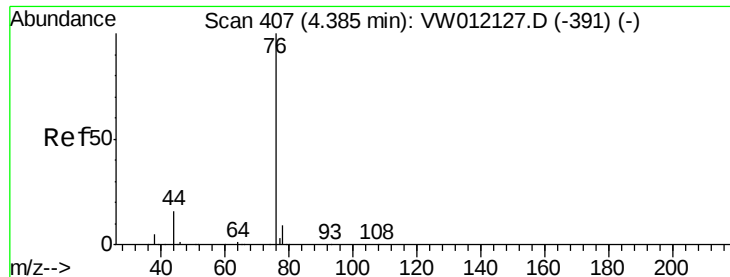
Tgt Ion: 43 Resp: 171283

Ion Ratio Lower Upper

43 100

58 26.3 22.4 33.6





#17

Carbon Disulfide

Concen: 50.237 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

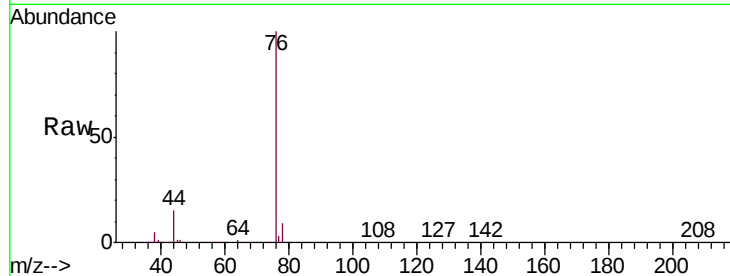
VSTDCCC050EC

Tgt Ion: 76 Resp: 361211

Ion Ratio Lower Upper

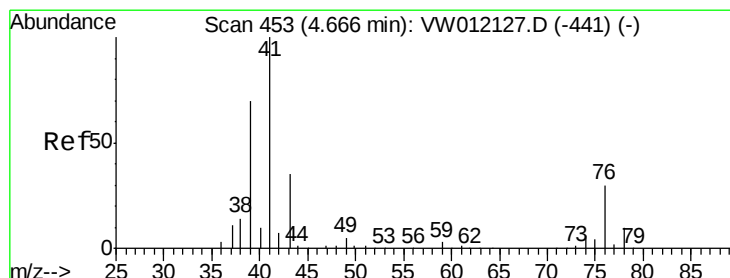
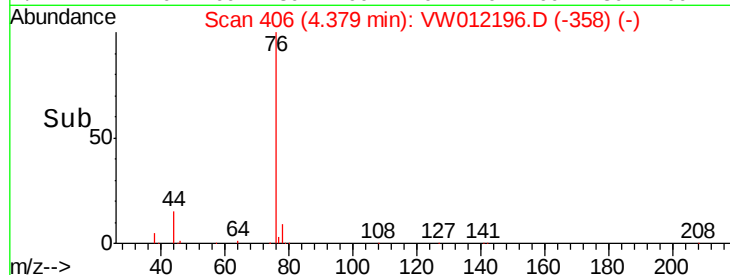
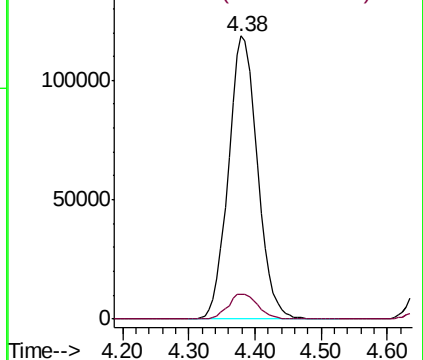
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 66.668 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012196.D

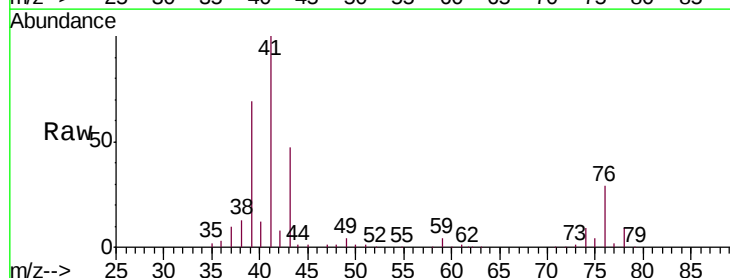
Acq: 27 Aug 2019 02:26

Tgt Ion: 43 Resp: 119012

Ion Ratio Lower Upper

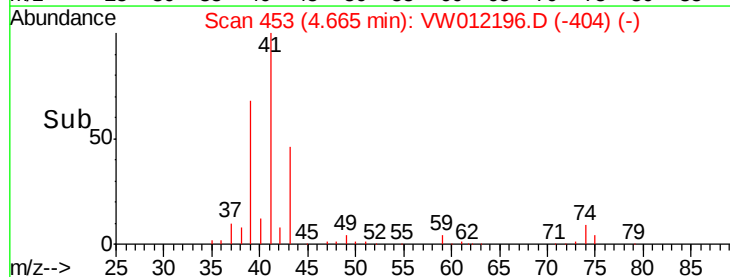
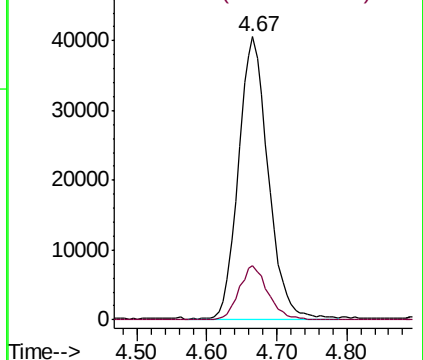
43 100

74 19.0 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

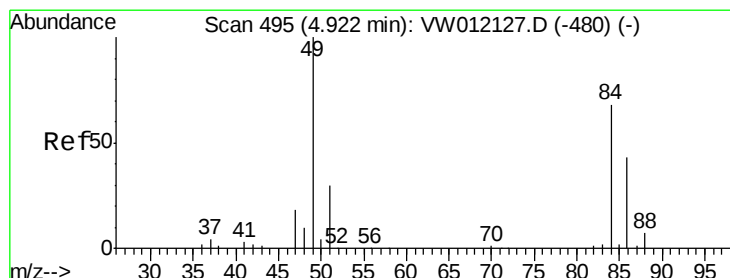
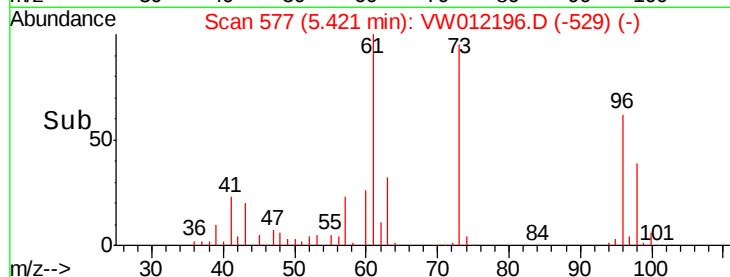
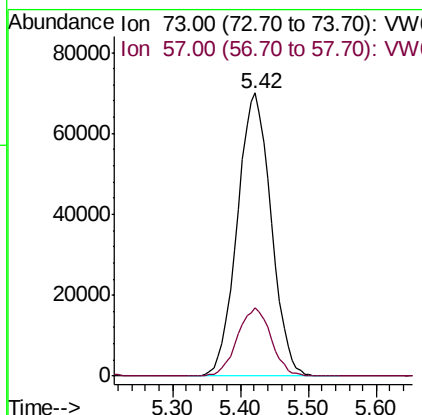
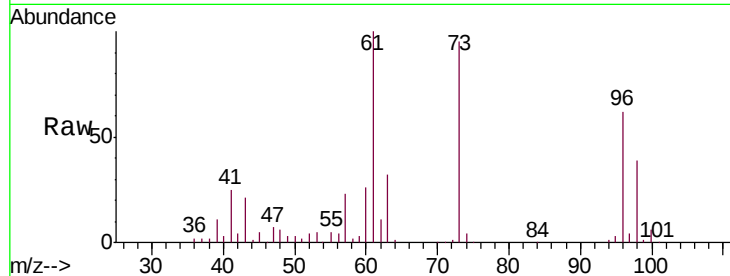




#19
Methyl tert-butyl Ether
Concen: 62.876 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

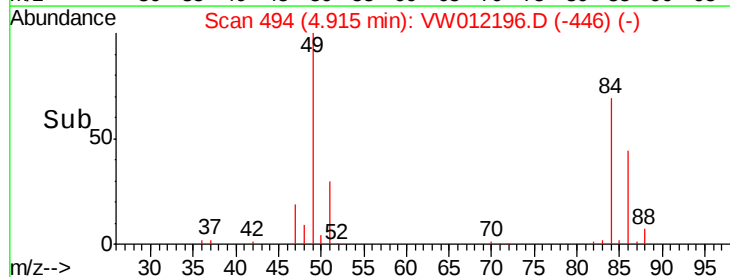
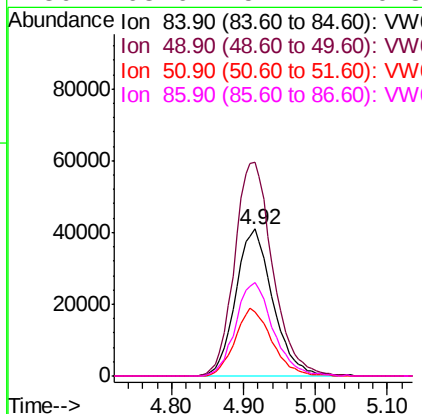
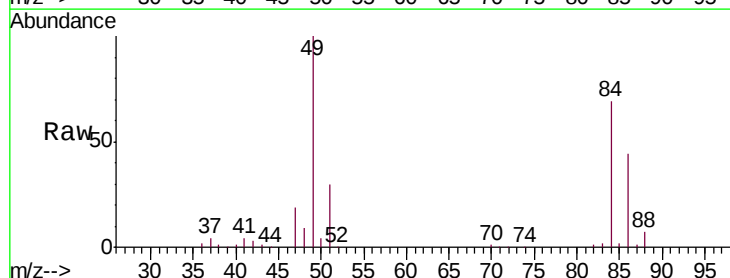
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

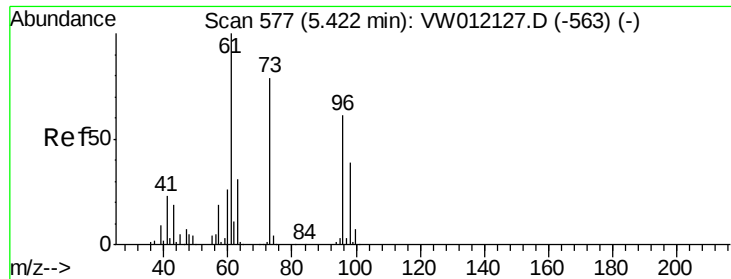
Tgt Ion: 73 Resp: 241906
Ion Ratio Lower Upper
73 100
57 24.2 18.9 28.3



#20
Methylene Chloride
Concen: 53.805 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion: 84 Resp: 146602
Ion Ratio Lower Upper
84 100
49 145.5 117.8 176.8
51 43.2 35.6 53.4
86 63.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.488 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

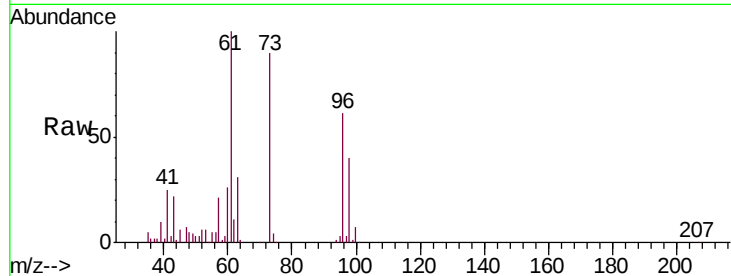
Tgt Ion: 96 Resp: 139010

Ion Ratio Lower Upper

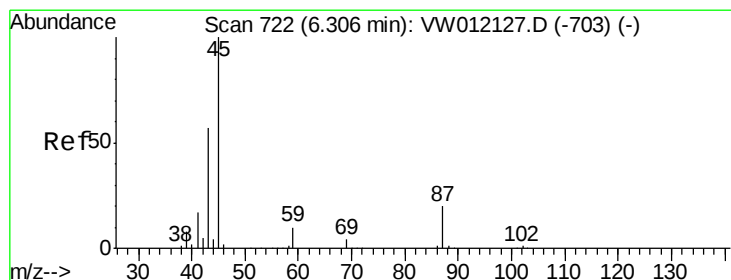
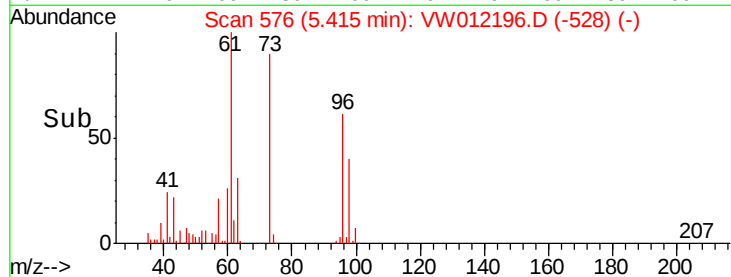
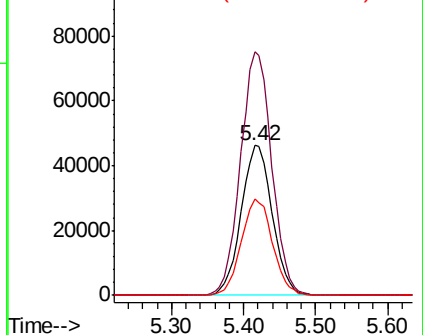
96 100

61 162.6 131.4 197.0

98 64.3 51.4 77.0



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



#22

Diisopropyl ether

Concen: 60.130 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Tgt Ion: 45 Resp: 566882

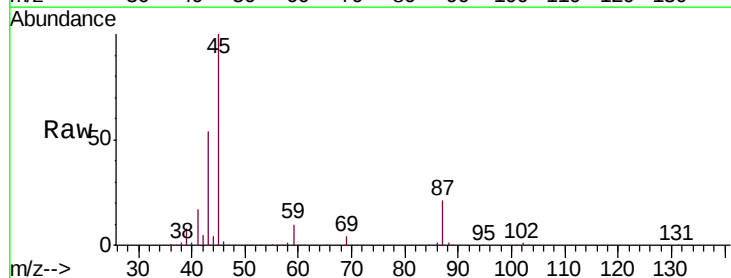
Ion Ratio Lower Upper

45 100

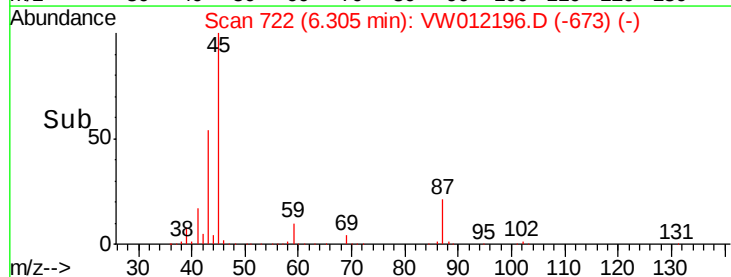
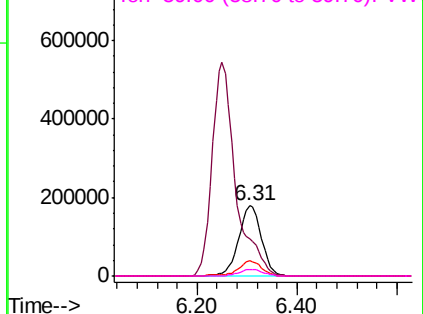
43 53.7 45.5 68.3

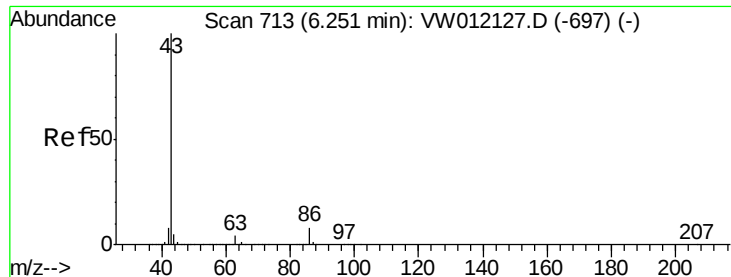
87 21.4 16.1 24.1

59 10.1 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

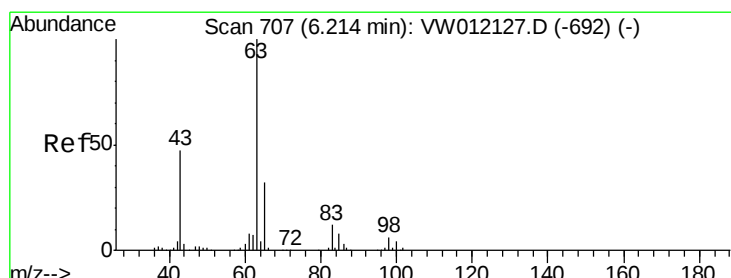
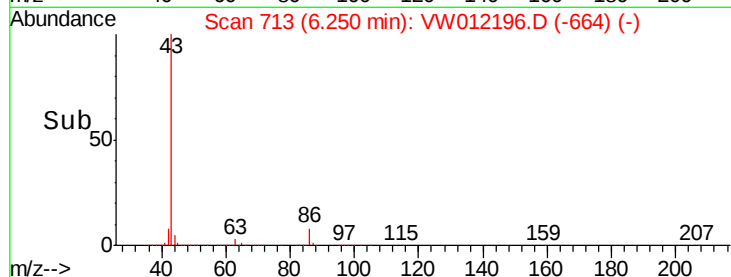
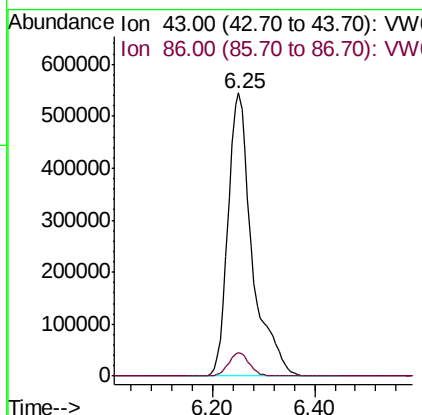
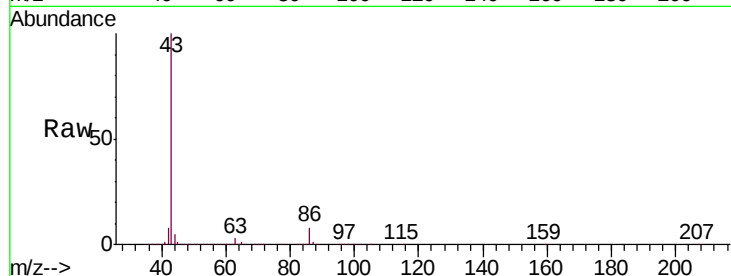




#23
 Vinyl Acetate
 Concen: 307.531 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

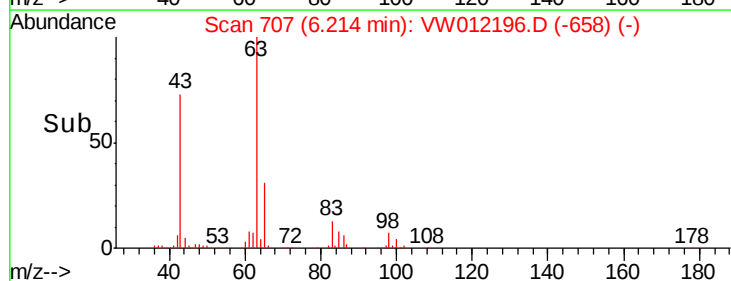
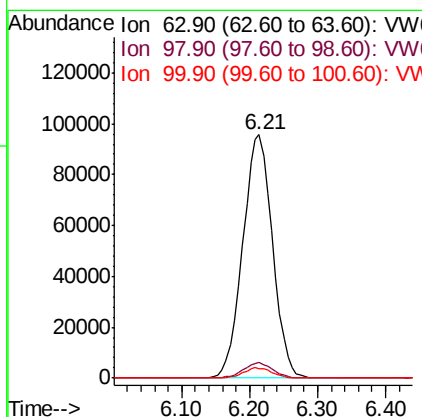
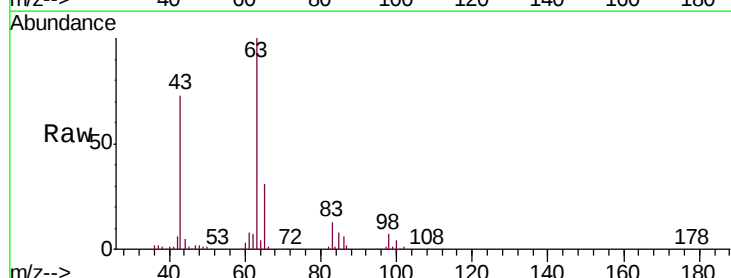
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1784274
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 56.500 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion: 63 Resp: 290027
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.0 9.2
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 302.688 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

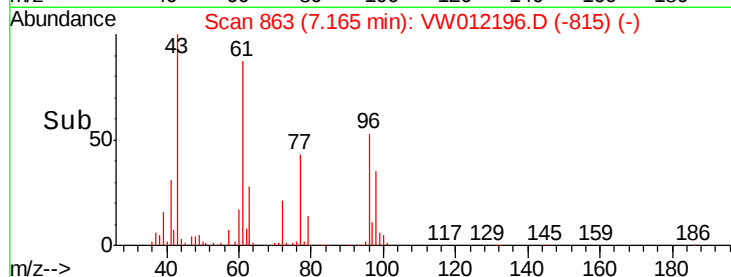
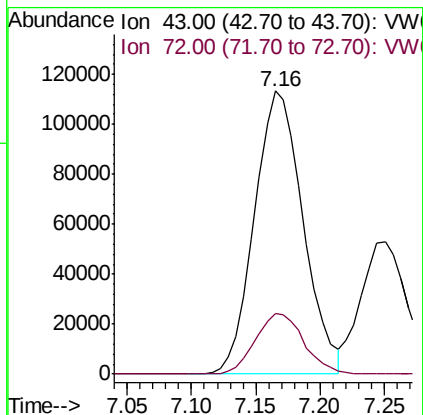
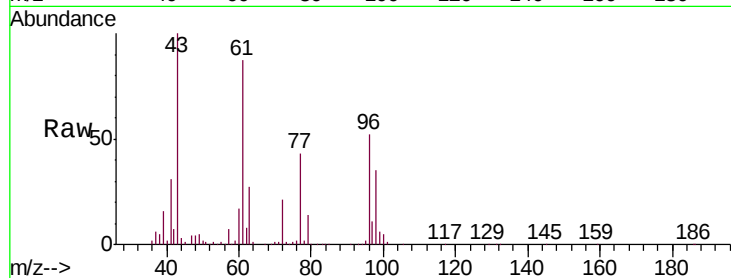
VSTDCCC050EC

Tgt Ion: 43 Resp: 296454

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 48.049 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012196.D

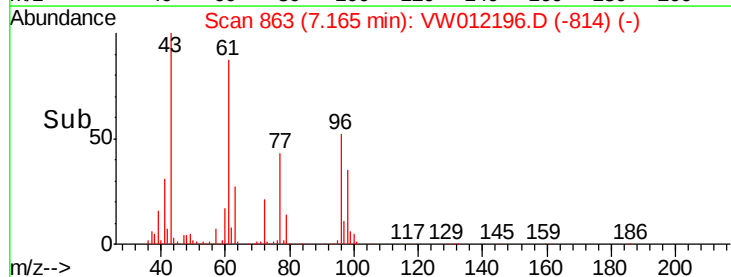
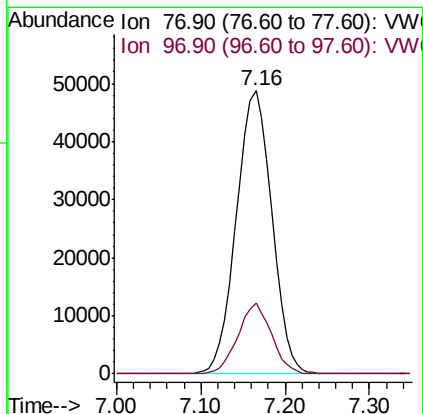
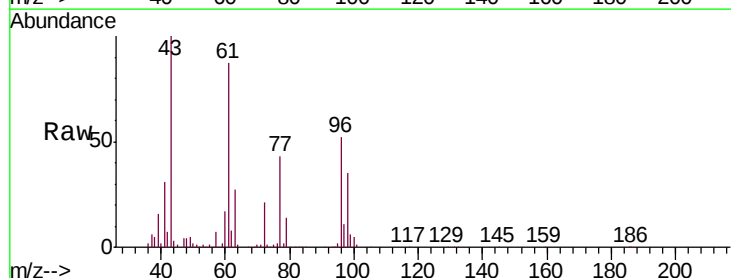
Acq: 27 Aug 2019 02:26

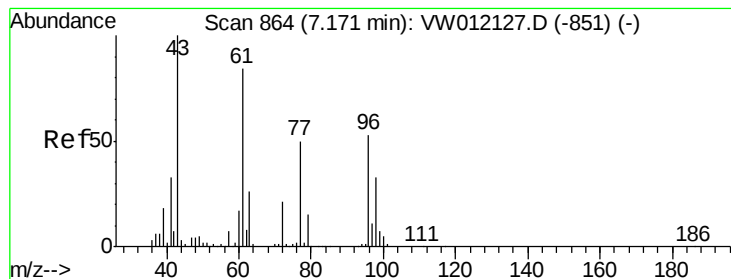
Tgt Ion: 77 Resp: 139603

Ion Ratio Lower Upper

77 100

97 23.4 11.1 33.1



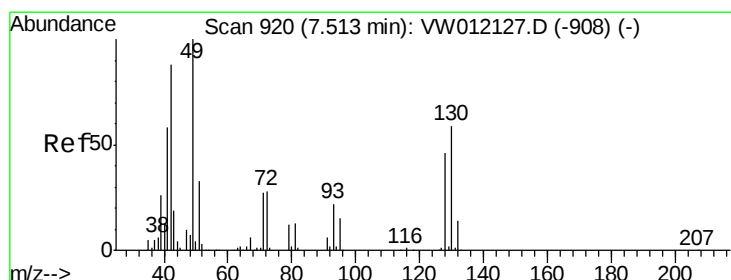
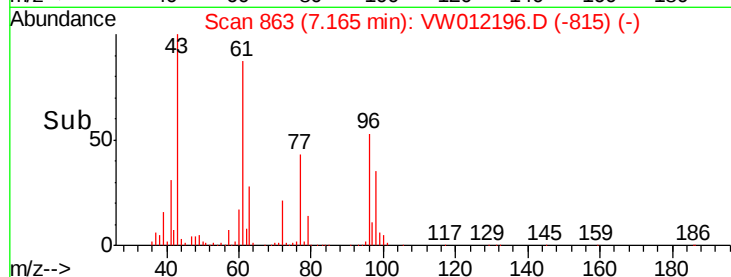
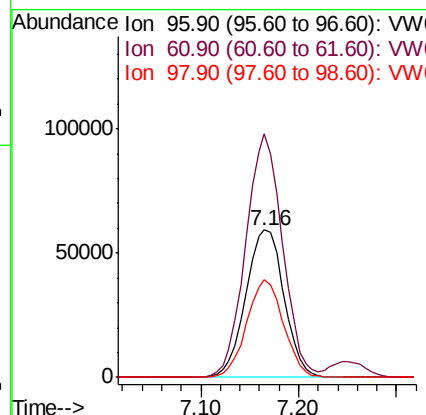
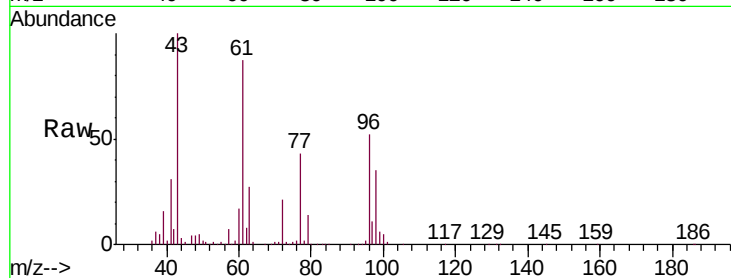


#27

cis-1,2-Dichloroethene
Concen: 59.141 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

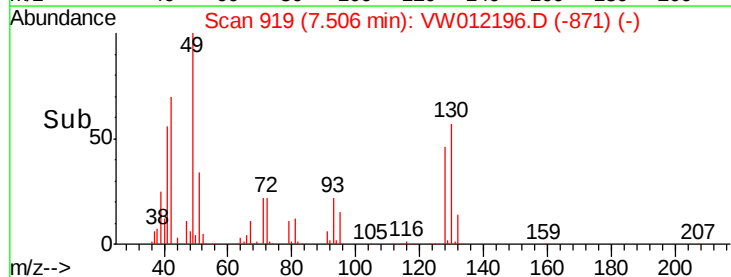
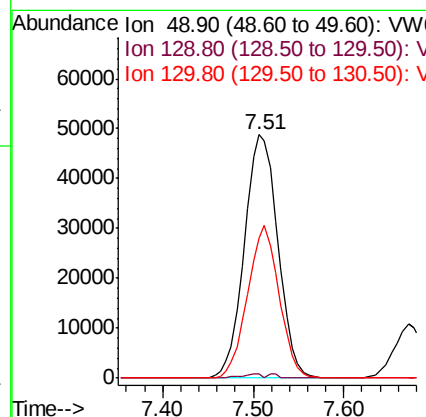
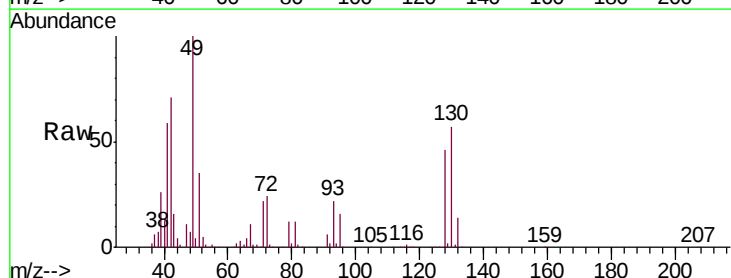
Tgt Ion: 96 Resp: 161205
Ion Ratio Lower Upper
96 100
61 158.7 0.0 326.6
98 63.7 0.0 127.4

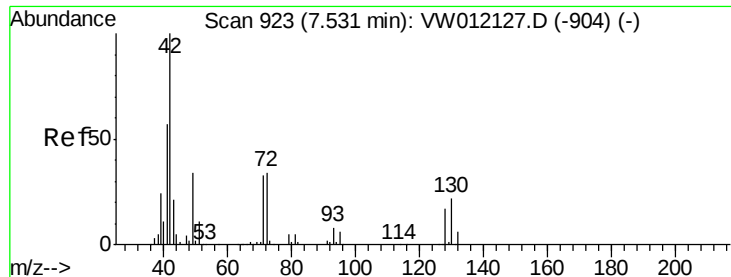


#28

Bromochloromethane
Concen: 55.855 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion: 49 Resp: 124964
Ion Ratio Lower Upper
49 100
129 1.0 0.0 1.4
130 0.0 45.5 68.3#

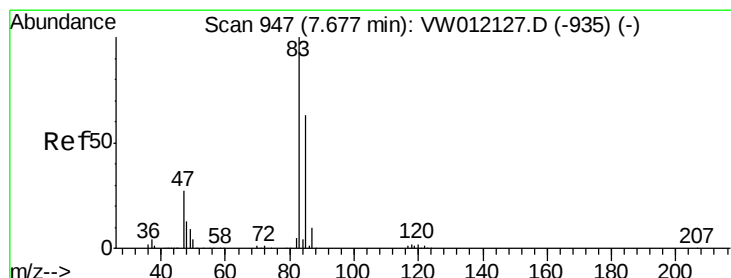
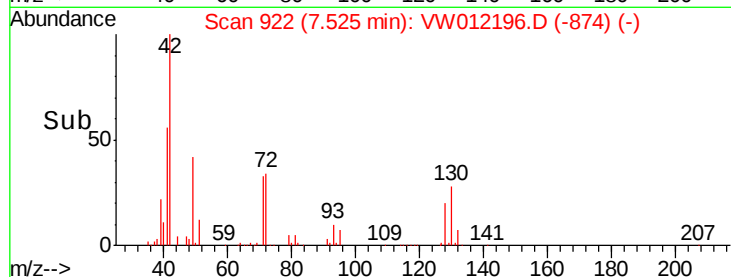
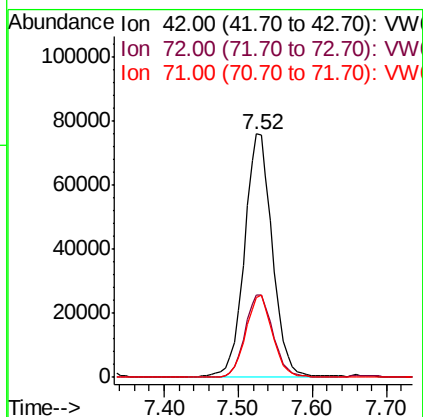
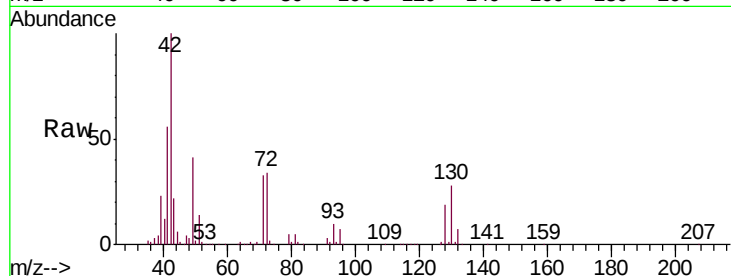




#29
Tetrahydrofuran
Concen: 337.267 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

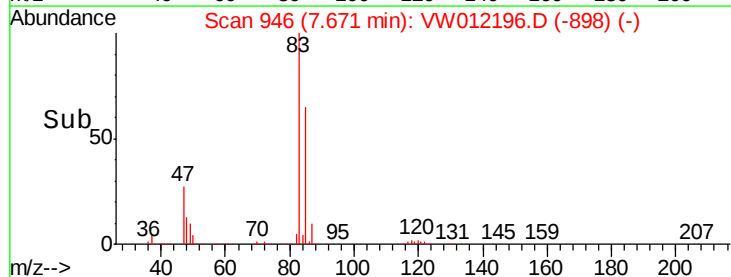
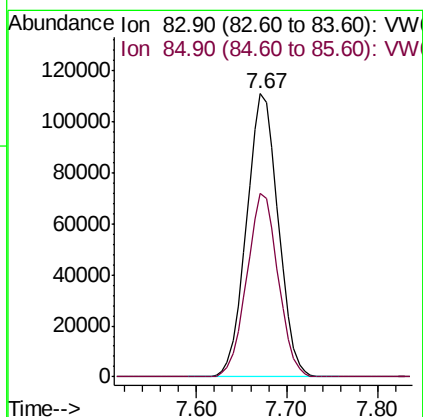
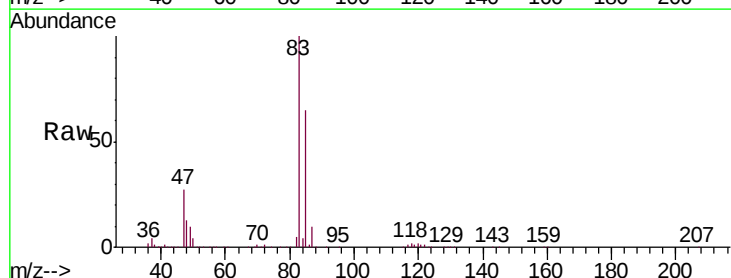
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

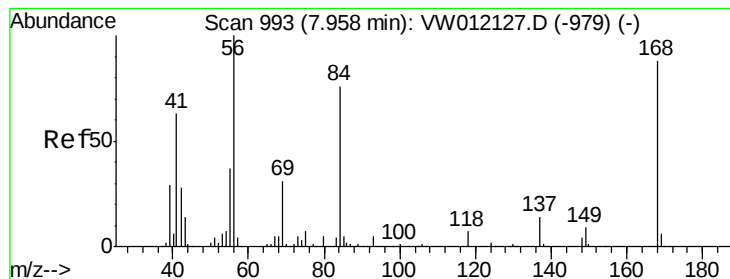
Tgt Ion: 42 Resp: 198179
Ion Ratio Lower Upper
42 100
72 34.2 27.3 40.9
71 32.7 25.5 38.3



#30
Chloroform
Concen: 57.171 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion: 83 Resp: 268496
Ion Ratio Lower Upper
83 100
85 64.8 50.6 76.0





#31

Cyclohexane

Concen: 48.741 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

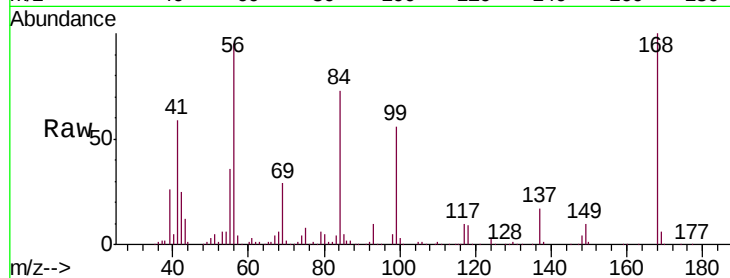
Tgt Ion: 56 Resp: 247537

Ion Ratio Lower Upper

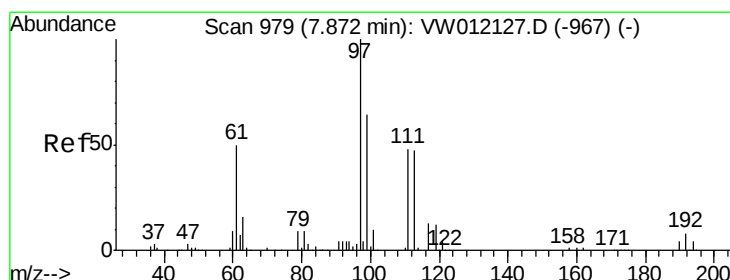
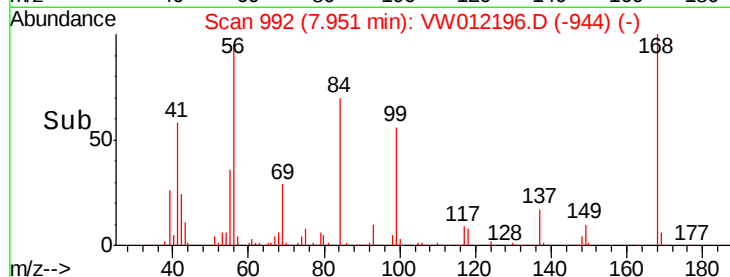
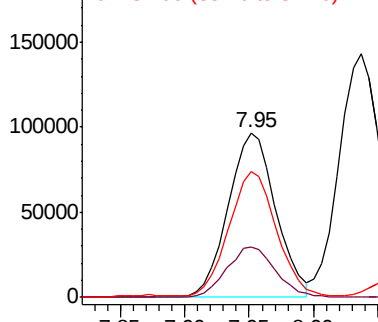
56 100

69 30.6 24.9 37.3

84 75.7 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: 54.983 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

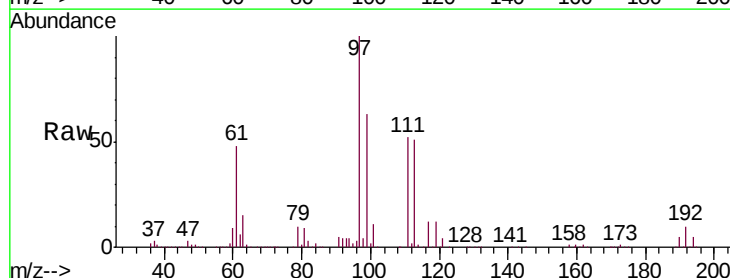
Tgt Ion: 97 Resp: 204272

Ion Ratio Lower Upper

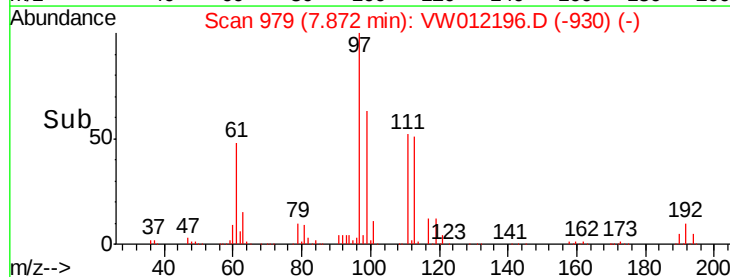
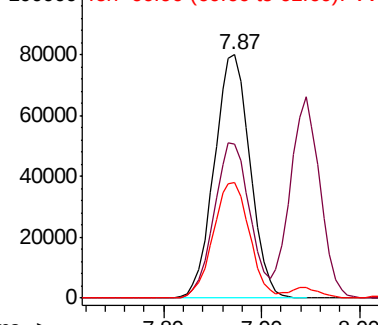
97 100

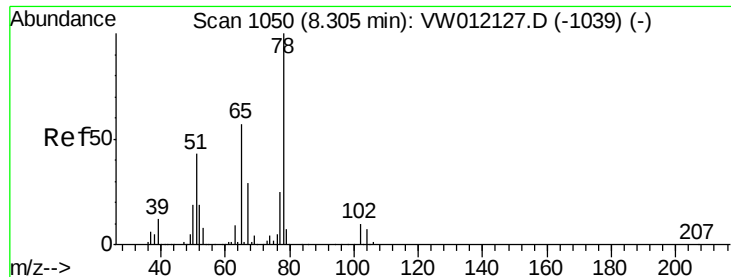
99 63.9 51.4 77.0

61 48.4 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

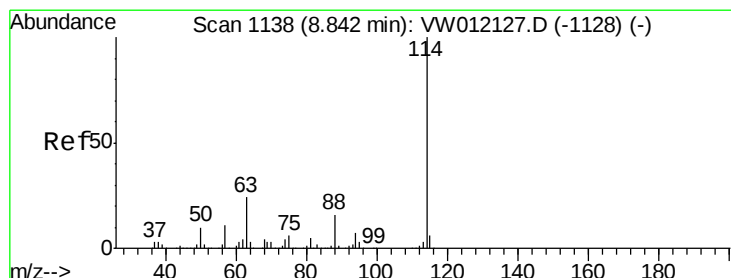
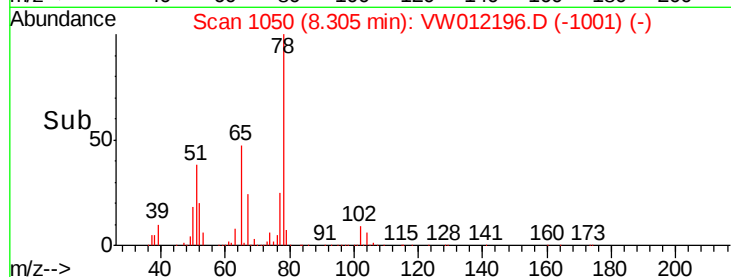
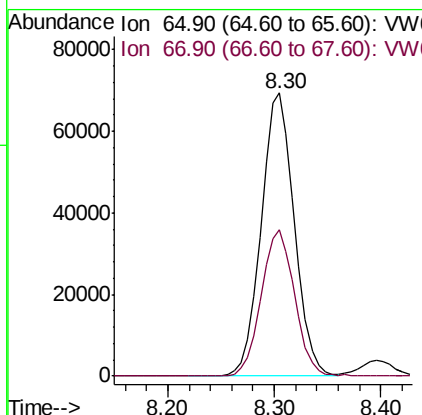
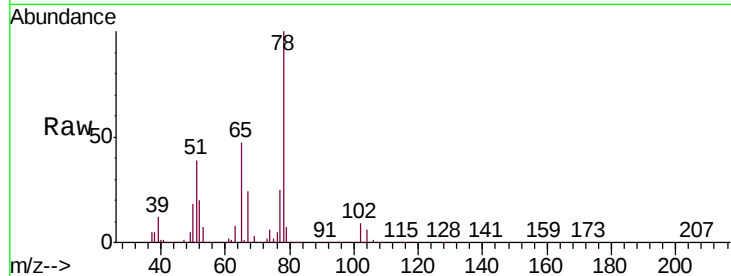




#33
 1,2-Dichloroethane-d4
 Concen: 53.341 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

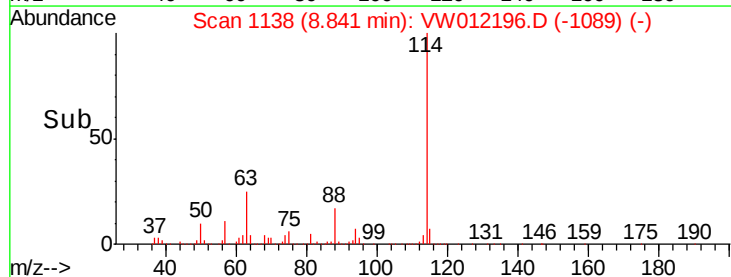
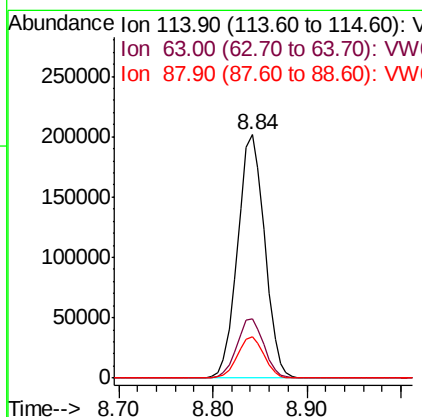
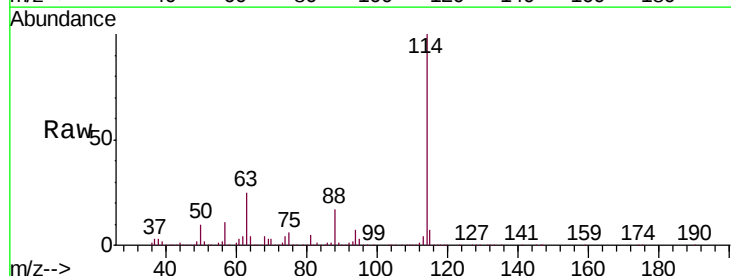
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 150398
 Ion Ratio Lower Upper
 65 100
 67 52.1 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: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion: 114 Resp: 401258
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.8 0.0 32.2

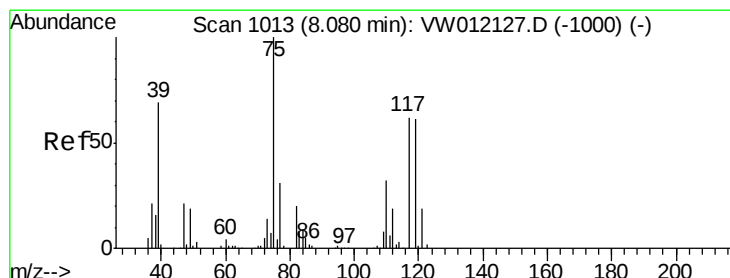
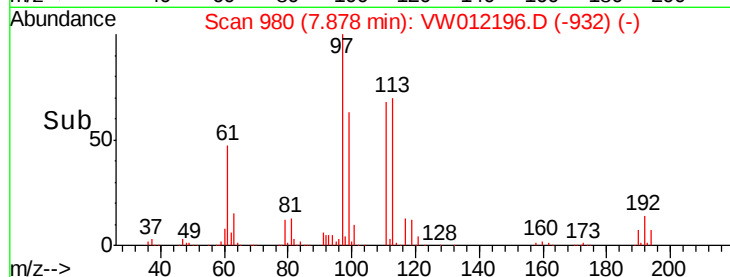
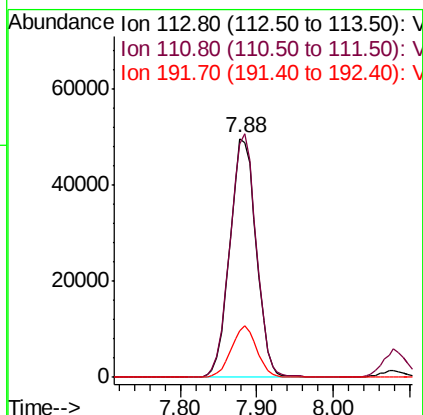
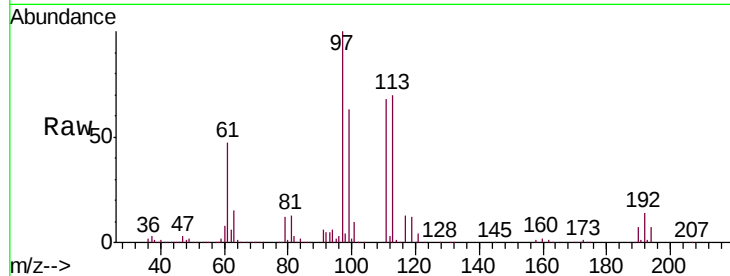




#35
 Dibromofluoromethane
 Concen: 49.587 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

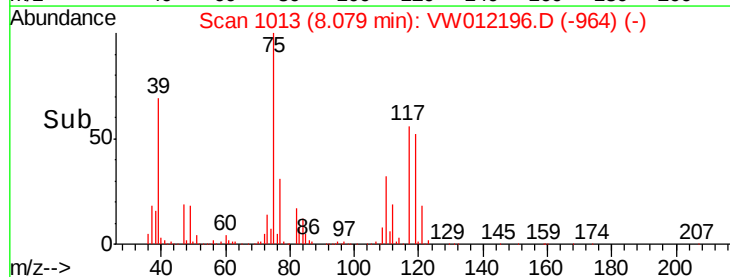
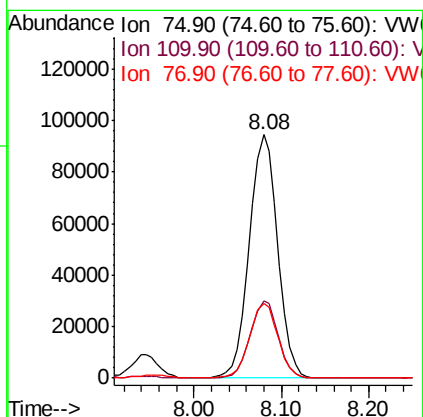
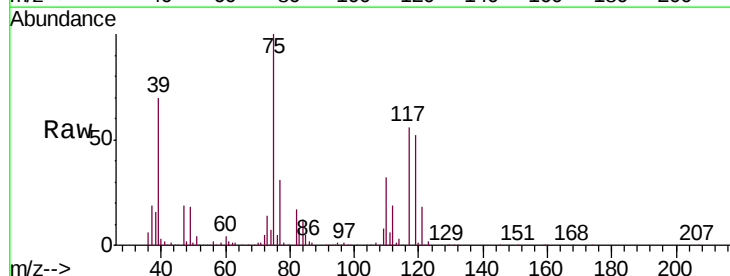
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

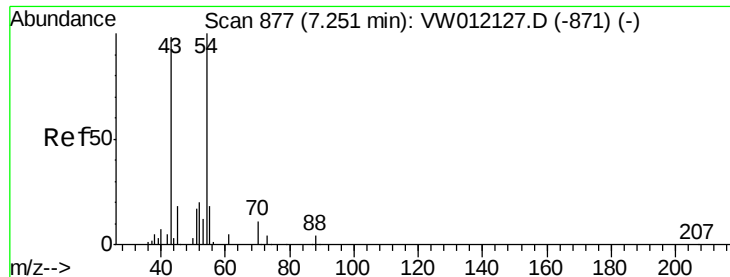
Tgt Ion:113 Resp: 118768
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.7 124.1
 192 20.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 51.192 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion: 75 Resp: 212270
 Ion Ratio Lower Upper
 75 100
 110 31.6 15.6 46.8
 77 30.7 24.6 36.8

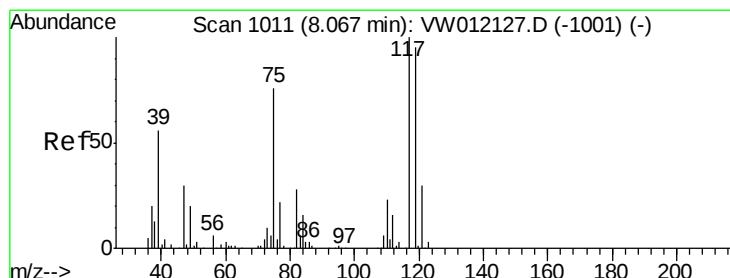
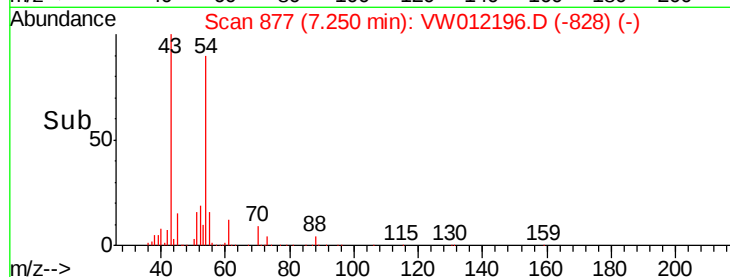
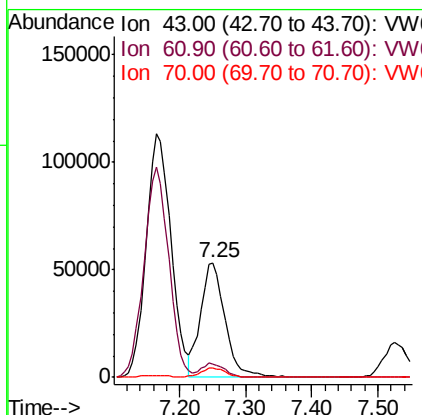
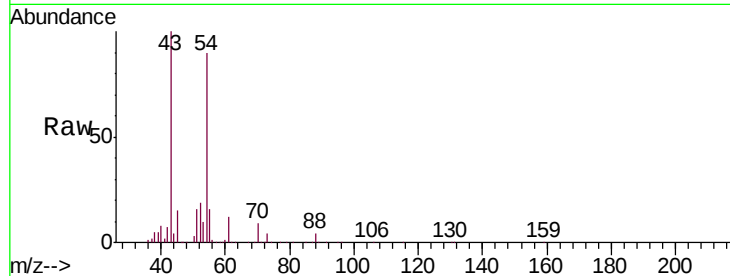




#37
Ethyl Acetate
Concen: 60.312 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

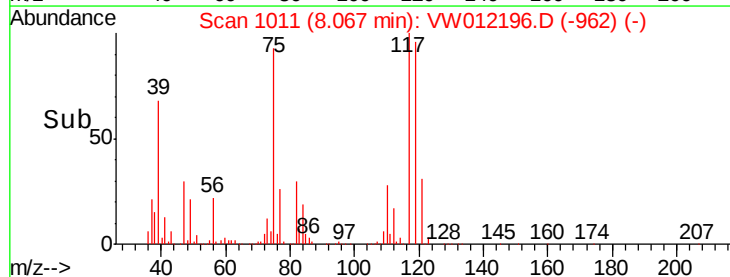
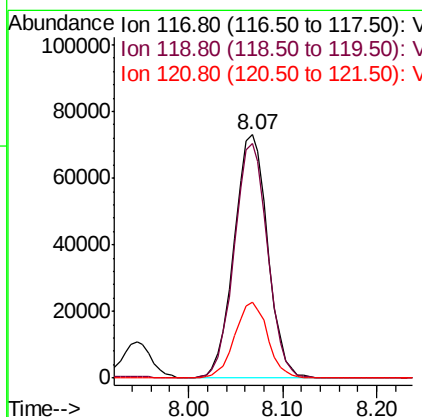
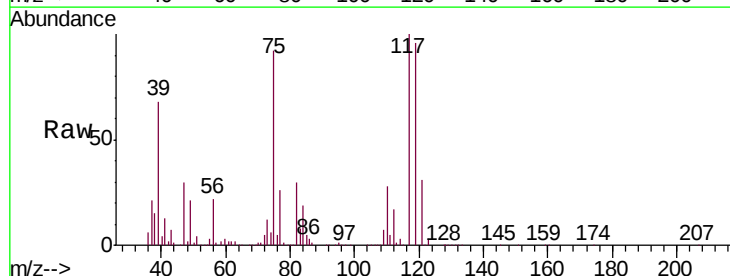
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

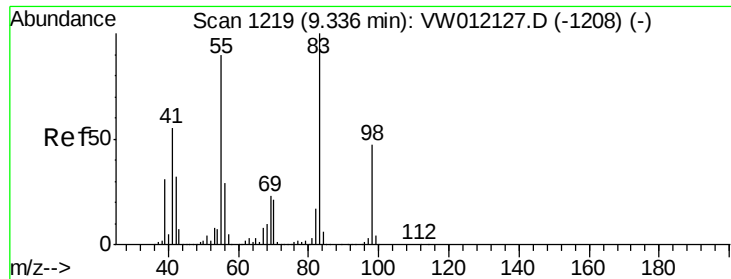
Tgt Ion: 43 Resp: 137043
Ion Ratio Lower Upper
43 100
61 11.6 9.2 13.8
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 50.417 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion: 117 Resp: 180944
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.2
121 31.0 23.8 35.8

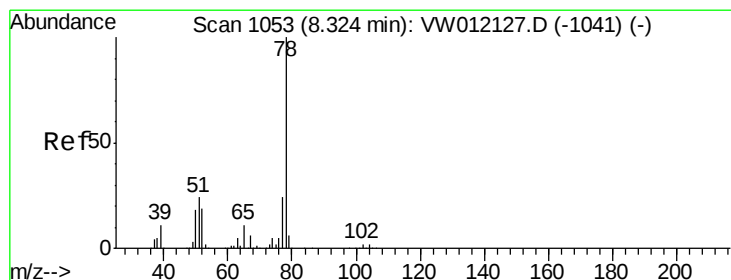
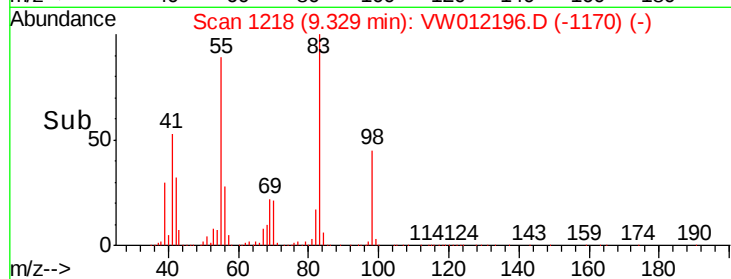
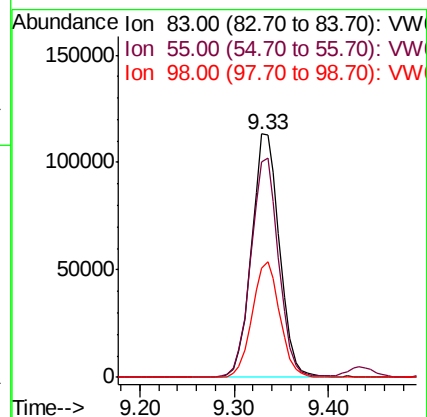
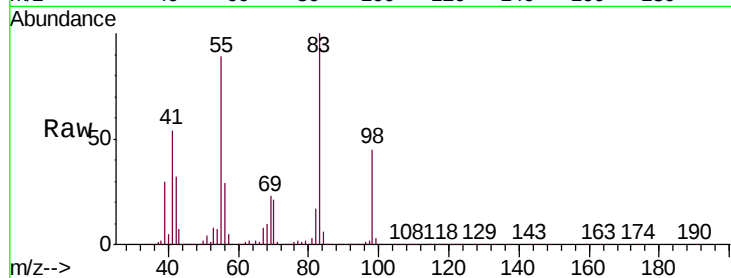




#39
Methylcyclohexane
Concen: 50.445 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

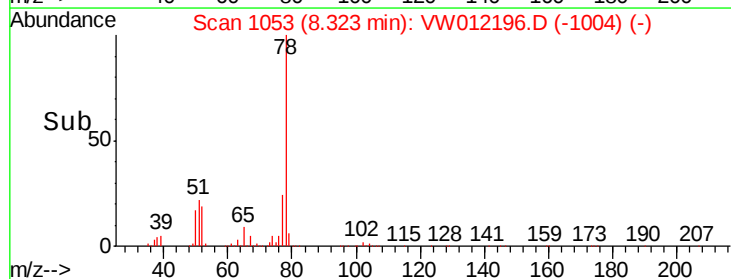
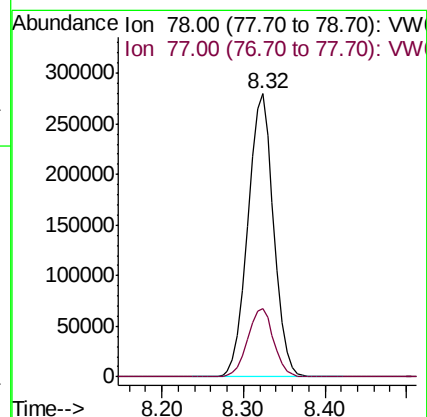
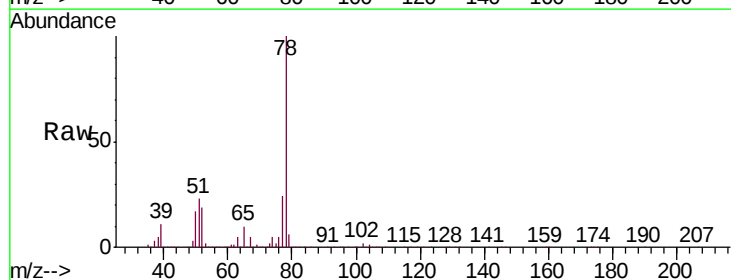
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 234986
Ion Ratio Lower Upper
83 100
55 88.5 71.8 107.8
98 44.9 37.8 56.8



#40
Benzene
Concen: 54.110 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion: 78 Resp: 612654
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3





#41

Methacrylonitrile

Concen: 63.502 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 84806

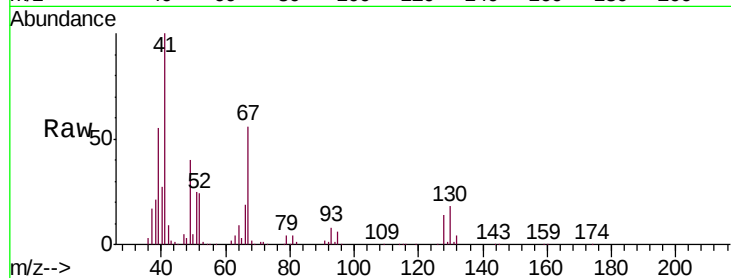
Ion Ratio Lower Upper

41 100

39 52.1 45.8 68.8

67 56.9 46.2 69.4

52 26.2 21.0 31.6

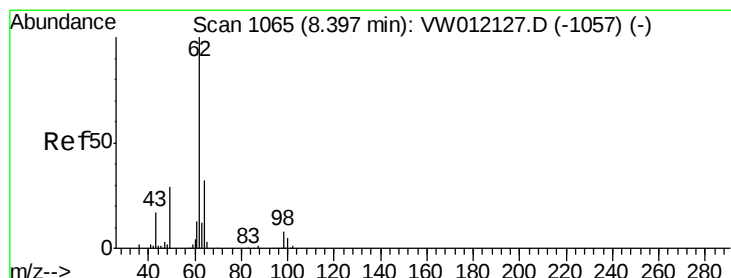
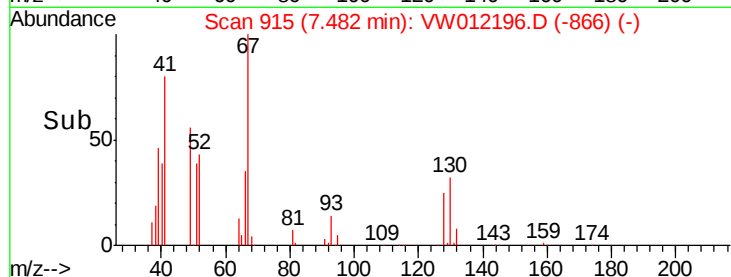
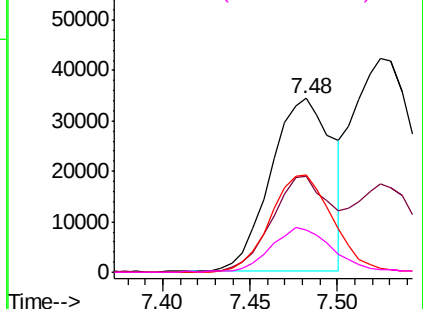


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 56.838 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012196.D

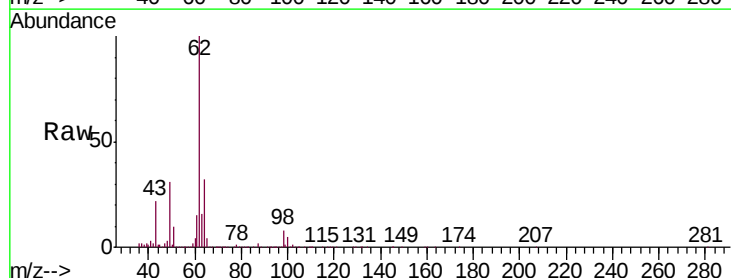
Acq: 27 Aug 2019 02:26

Tgt Ion: 62 Resp: 201691

Ion Ratio Lower Upper

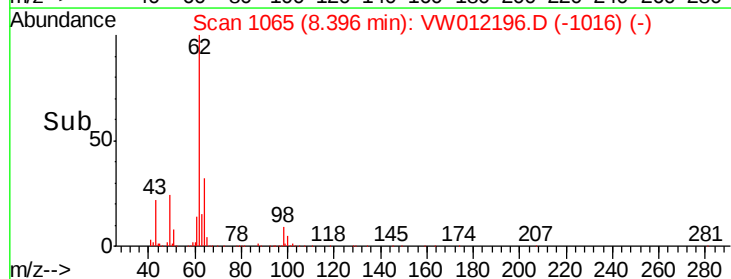
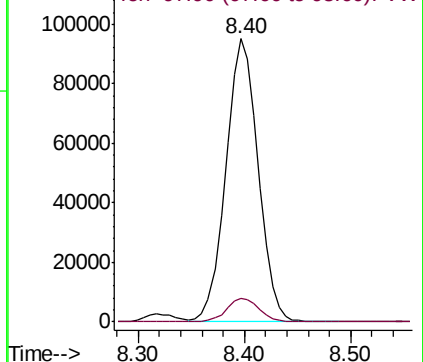
62 100

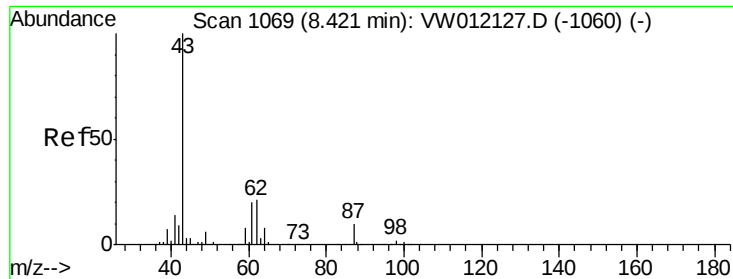
98 8.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 63.084 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

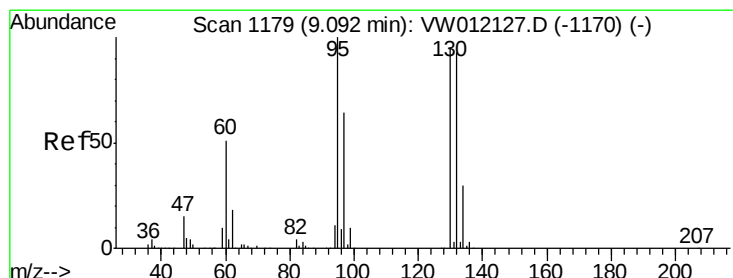
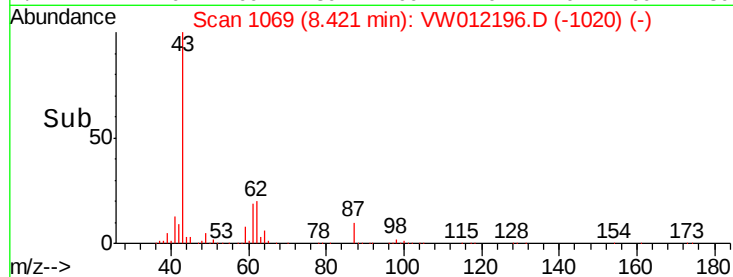
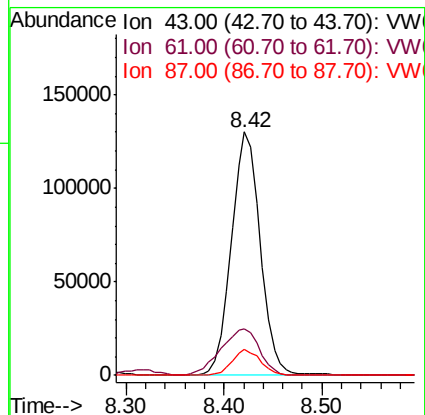
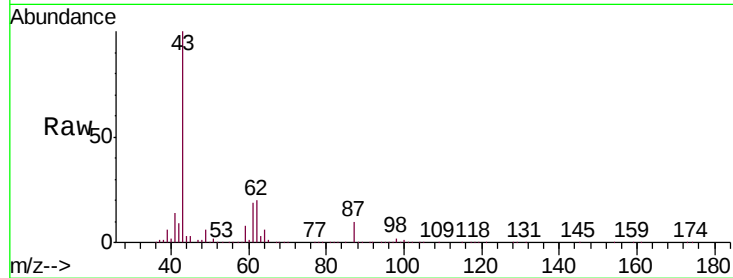
Tgt Ion: 43 Resp: 265513

Ion Ratio Lower Upper

43 100

61 25.6 21.1 31.7

87 10.4 8.2 12.2



#44

Trichloroethene

Concen: 53.878 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012196.D

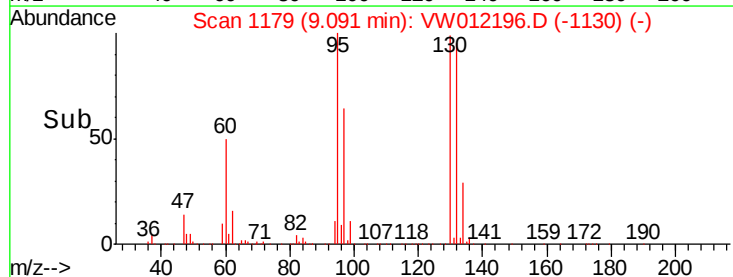
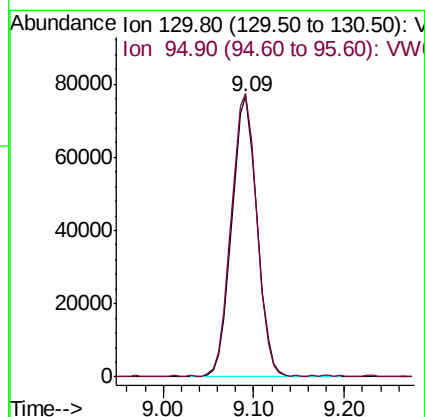
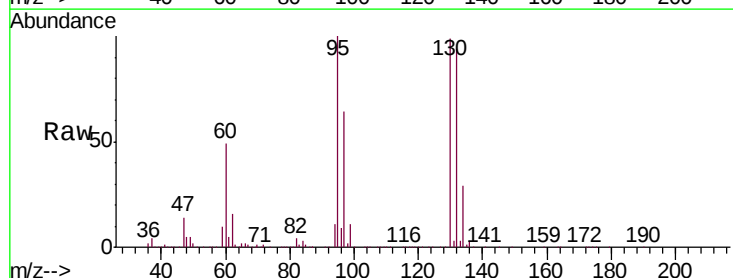
Acq: 27 Aug 2019 02:26

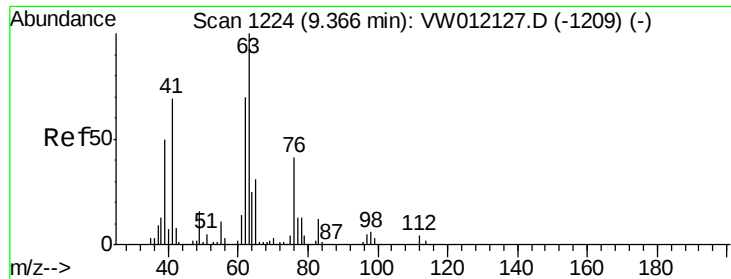
Tgt Ion: 130 Resp: 148297

Ion Ratio Lower Upper

130 100

95 100.6 0.0 210.6





#45

1,2-Dichloropropane

Concen: 56.343 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

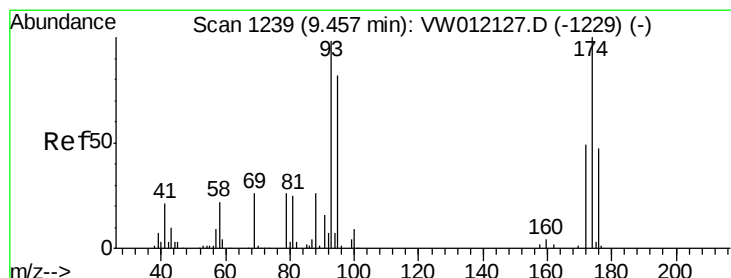
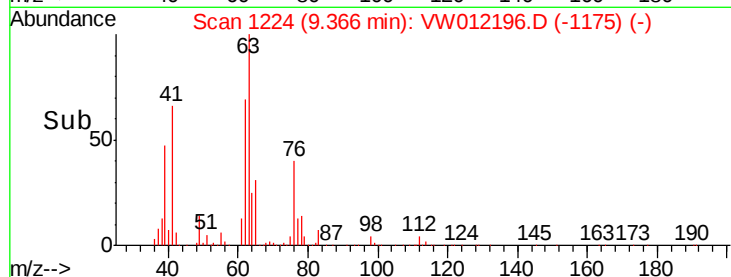
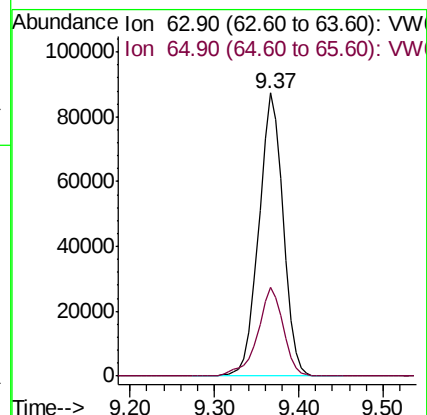
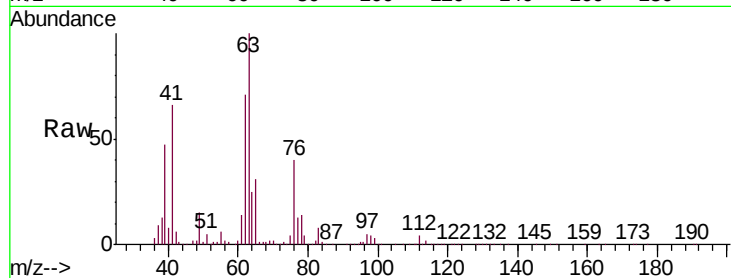
VSTDCCC050EC

Tgt Ion: 63 Resp: 171689

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.4



#46

Dibromomethane

Concen: 57.752 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

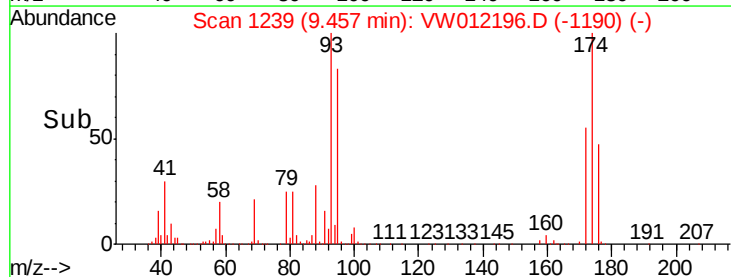
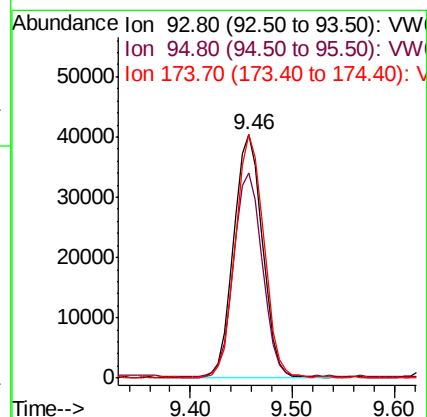
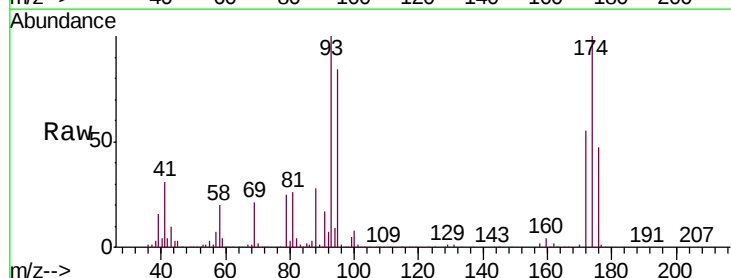
Tgt Ion: 93 Resp: 78300

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

174 98.5 79.0 118.6





#47

Bromodichloromethane

Concen: 56.157 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

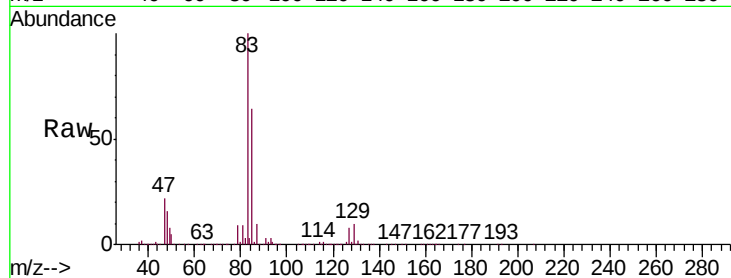
Tgt Ion: 83 Resp: 202635

Ion Ratio Lower Upper

83 100

85 63.8 49.4 74.2

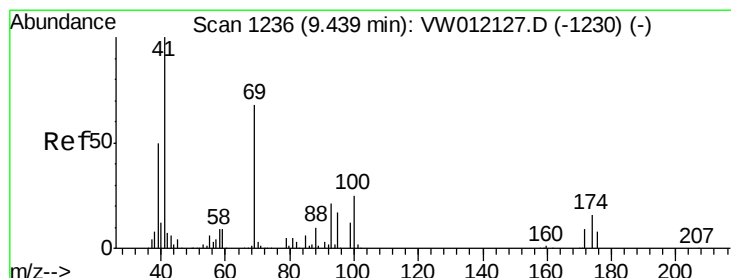
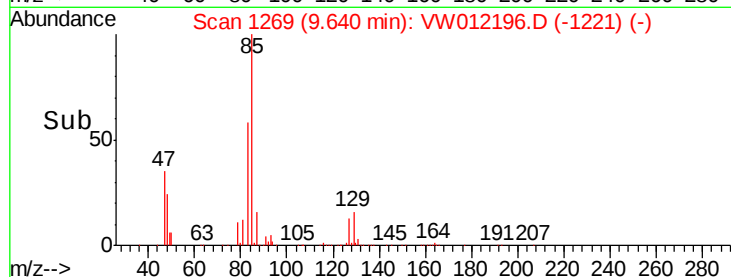
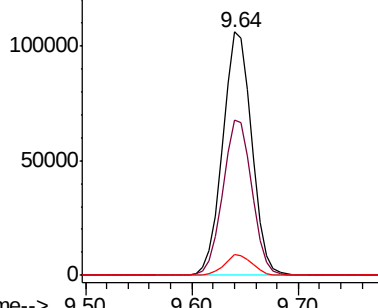
127 8.5 6.1 9.1



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: 64.401 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

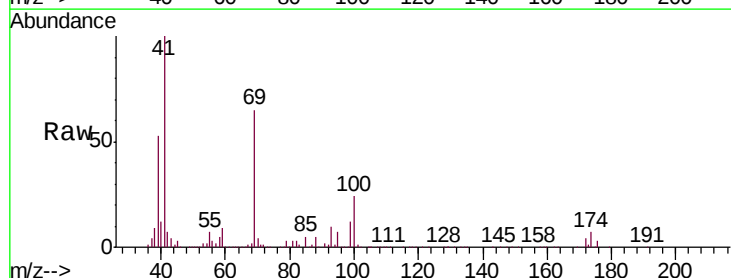
Tgt Ion: 41 Resp: 129009

Ion Ratio Lower Upper

41 100

69 70.1 56.7 85.1

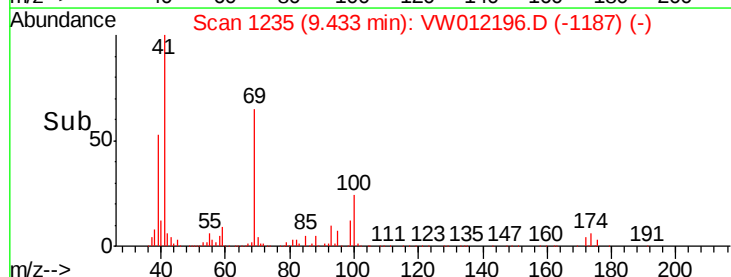
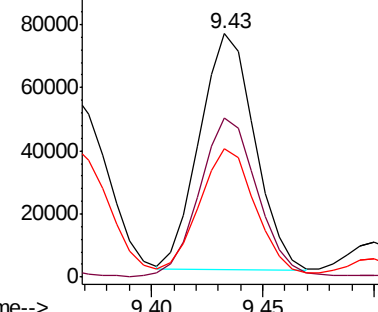
39 52.6 42.0 63.0

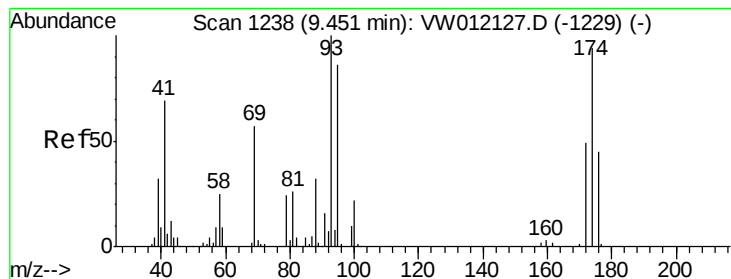


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1172.117 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

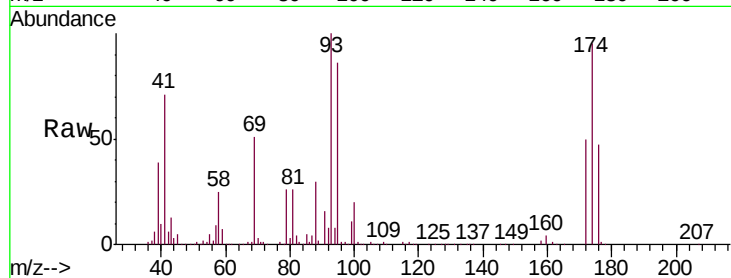
Tgt Ion: 88 Resp: 24328

Ion Ratio Lower Upper

88 100

43 41.8 32.9 49.3

58 88.2 71.0 106.4

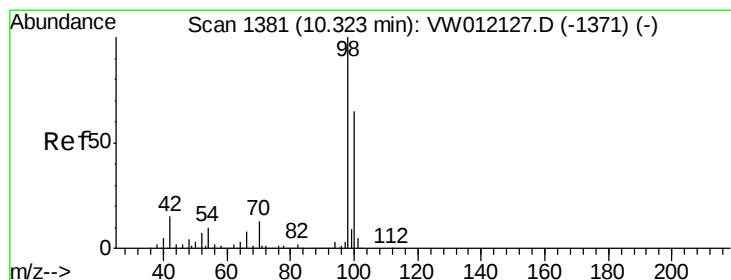
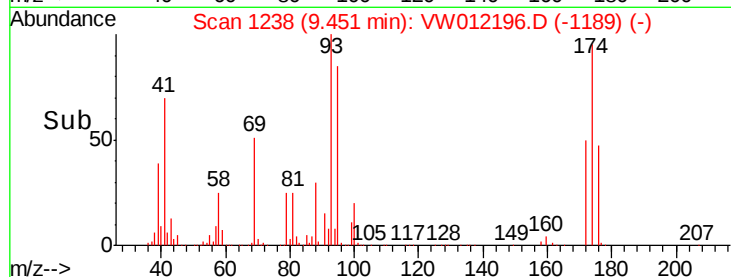
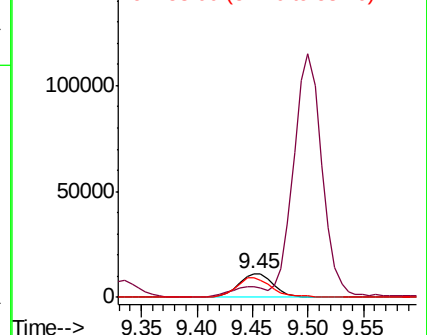


Abundance

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: 48.915 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012196.D

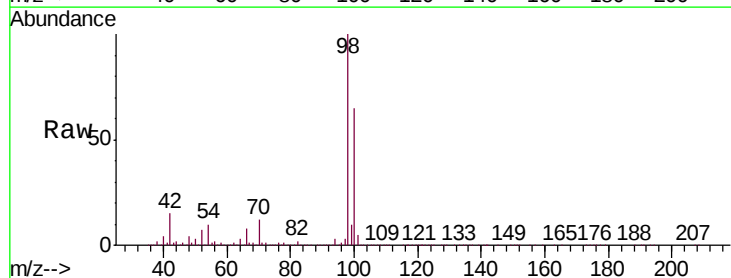
Acq: 27 Aug 2019 02:26

Tgt Ion: 98 Resp: 475034

Ion Ratio Lower Upper

98 100

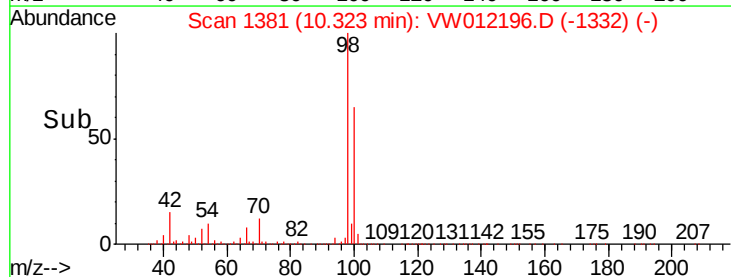
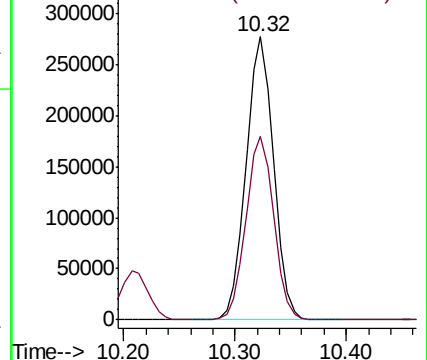
100 65.4 52.4 78.6



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: 320.951 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

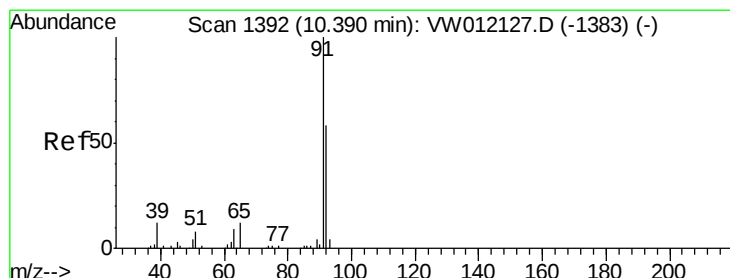
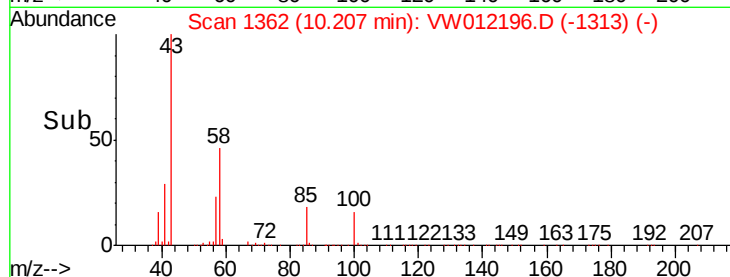
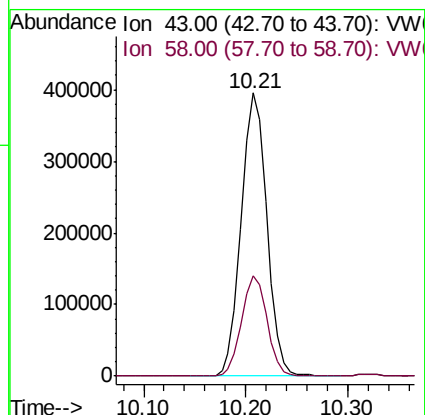
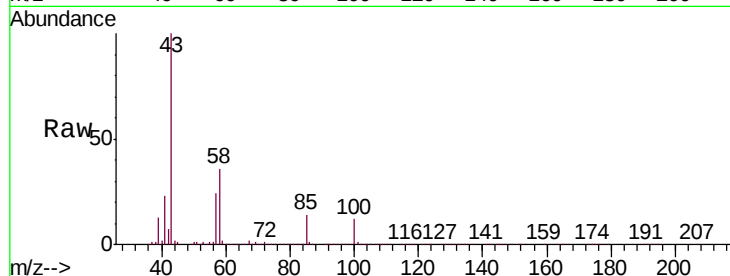
VSTDCCC050EC

Tgt Ion: 43 Resp: 687084

Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.2



#52

Toluene

Concen: 55.052 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012196.D

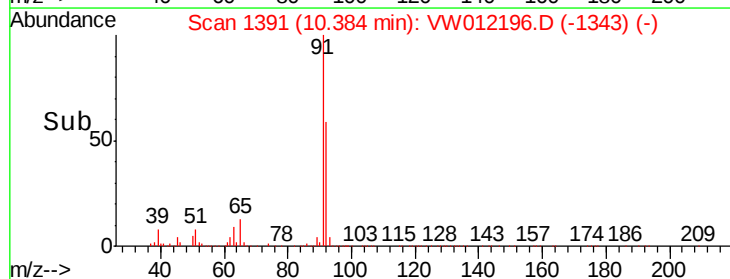
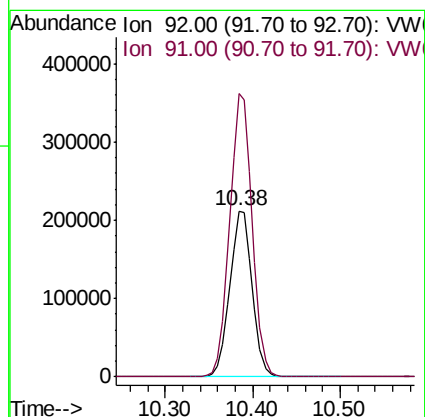
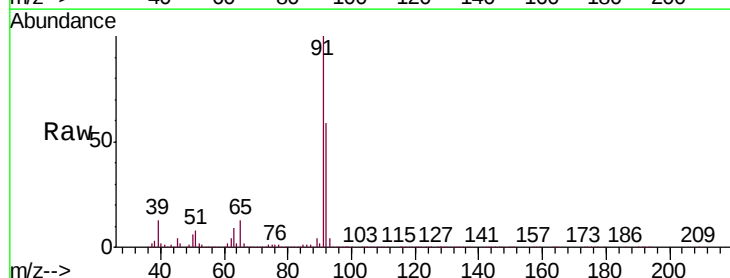
Acq: 27 Aug 2019 02:26

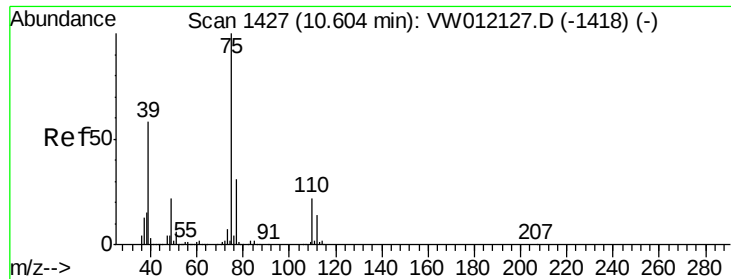
Tgt Ion: 92 Resp: 374456

Ion Ratio Lower Upper

92 100

91 171.4 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 58.825 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

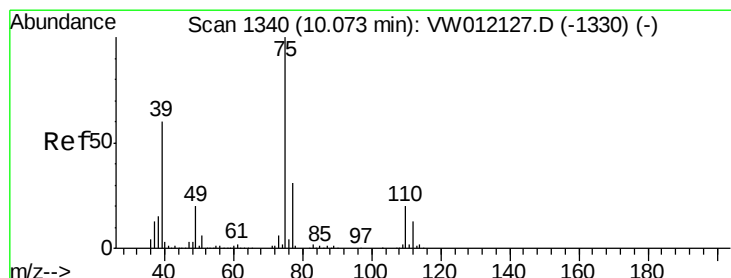
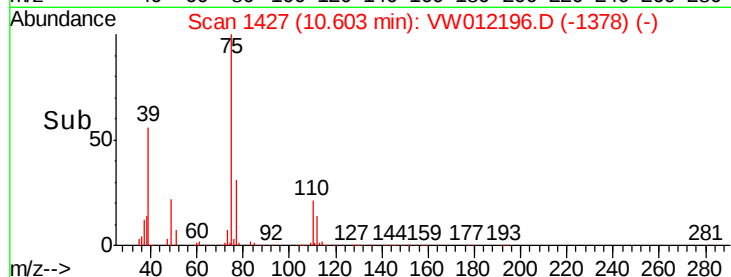
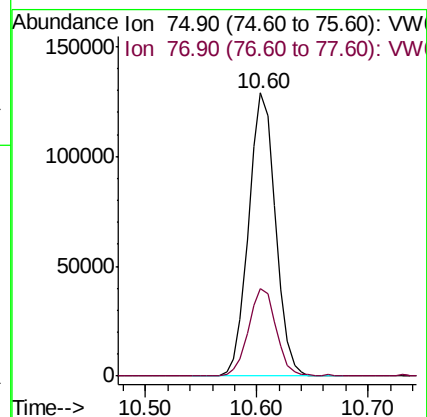
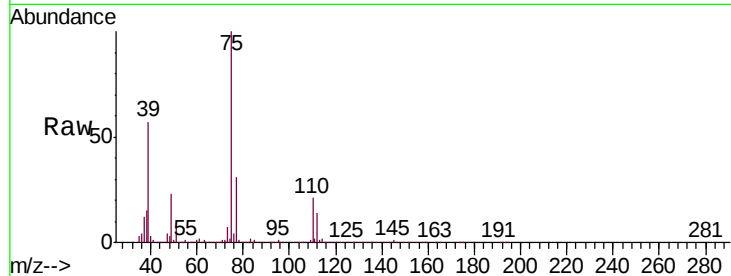
VSTDCCC050EC

Tgt Ion: 75 Resp: 216213

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 56.972 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

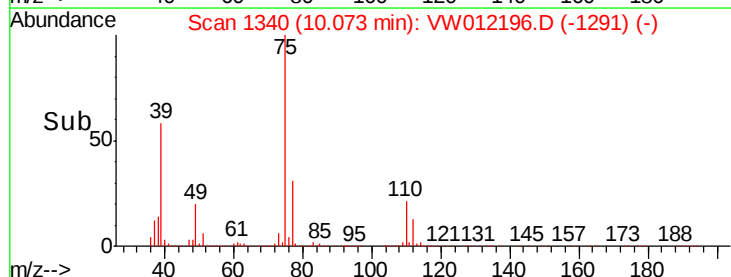
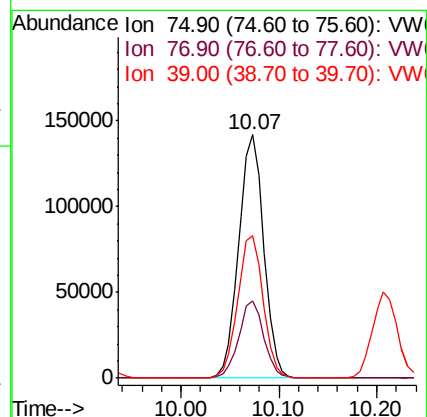
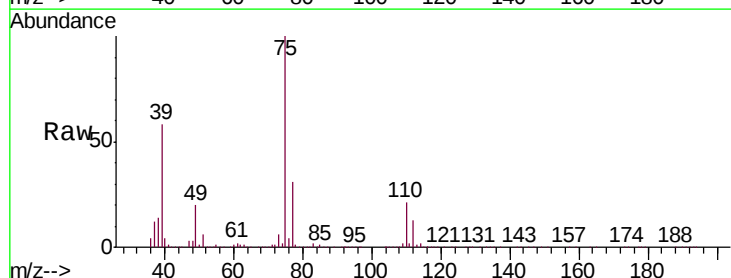
Tgt Ion: 75 Resp: 252843

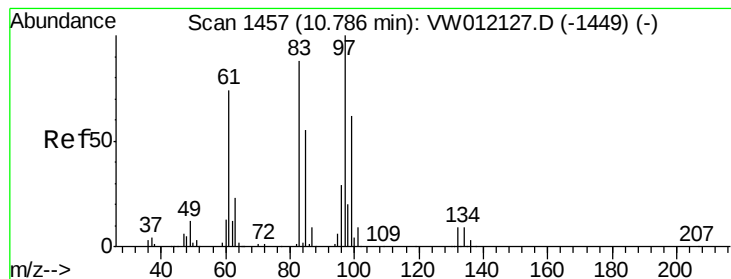
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 58.2 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 58.990 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 113158

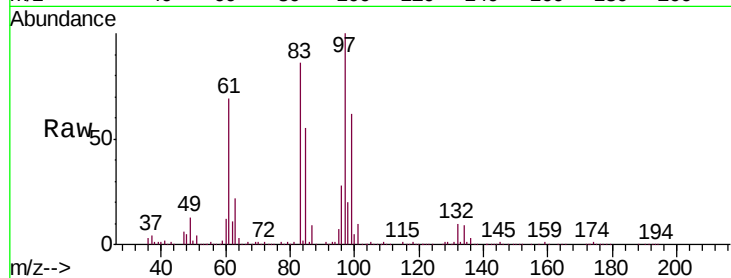
Ion Ratio Lower Upper

97 100

83 86.3 70.8 106.2

85 55.5 43.8 65.8

99 62.3 49.8 74.6



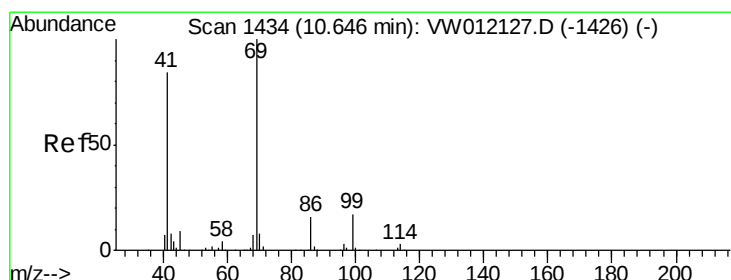
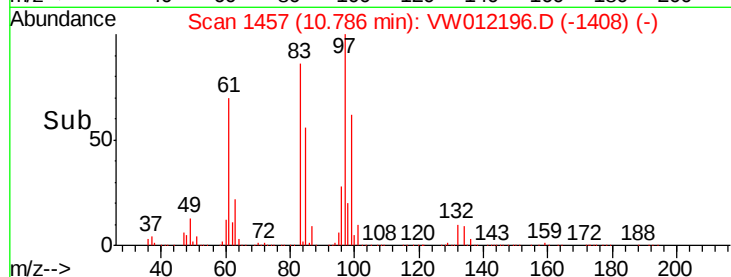
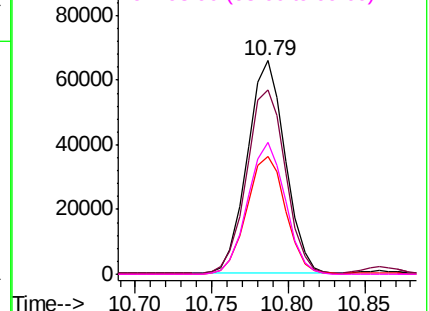
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 65.074 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

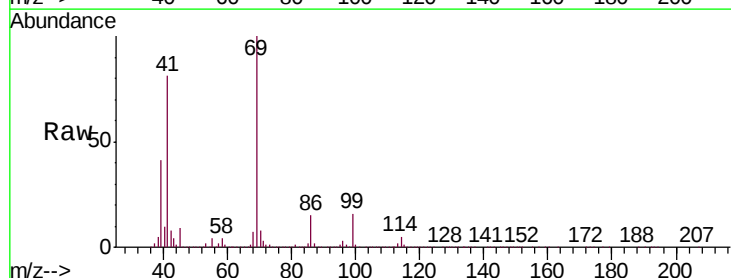
Tgt Ion: 69 Resp: 181678

Ion Ratio Lower Upper

69 100

41 83.4 66.5 99.7

39 37.2 31.0 46.4

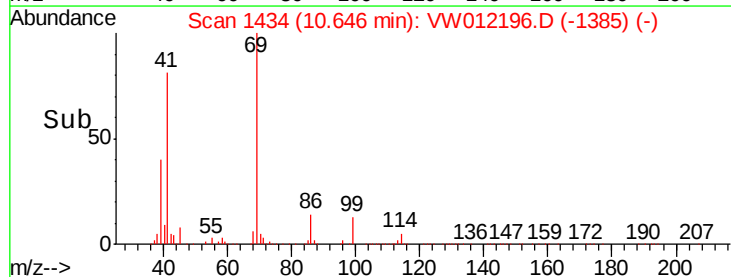
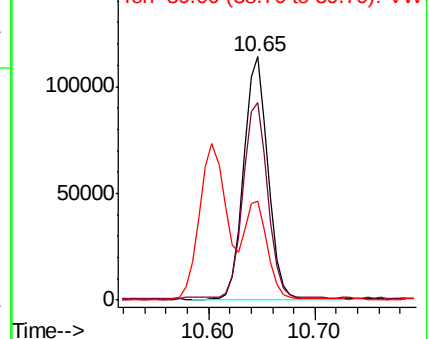


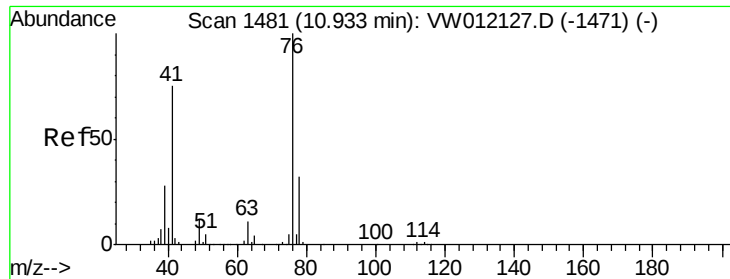
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

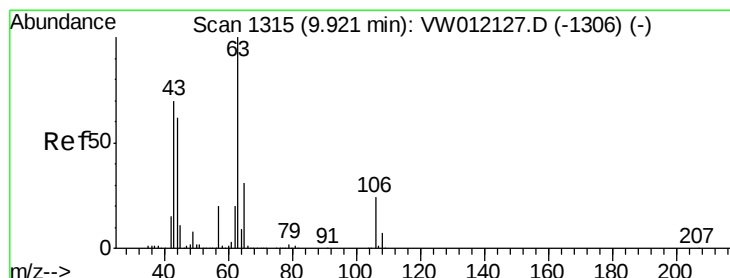
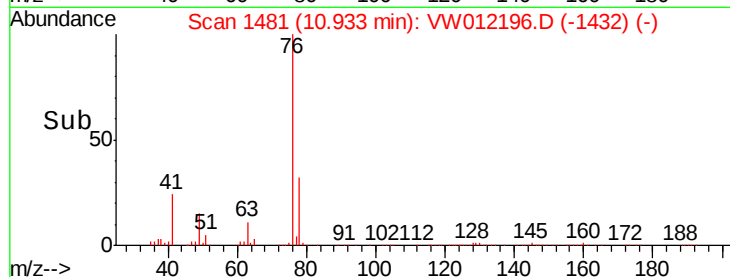
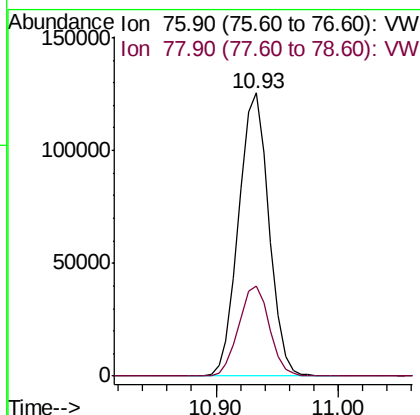
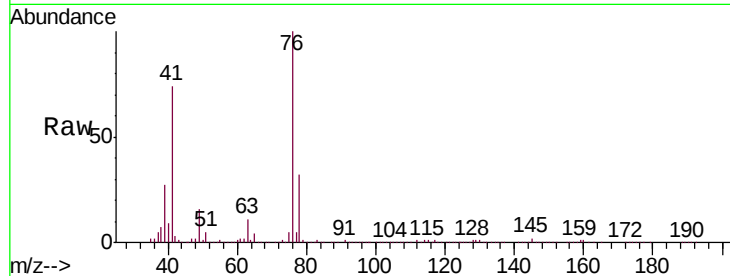




#57
 1,3-Dichloropropane
 Concen: 59.375 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

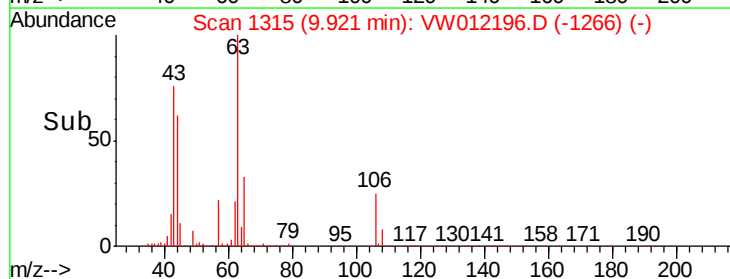
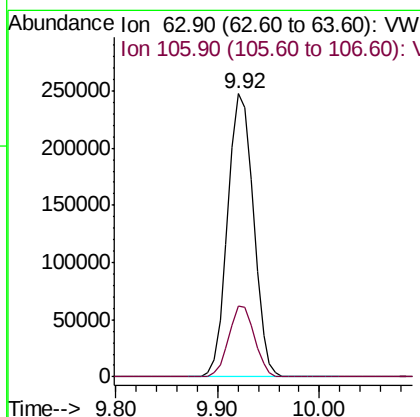
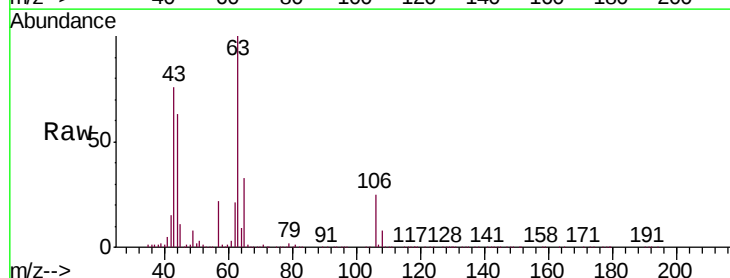
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

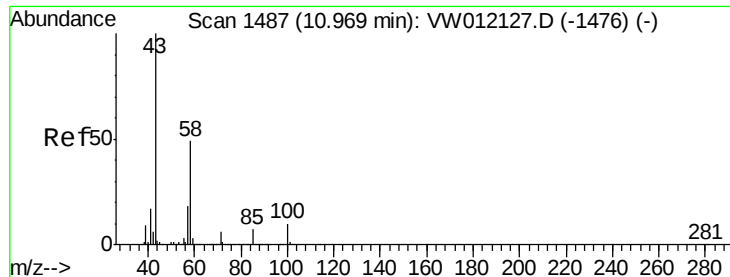
Tgt Ion: 76 Resp: 215236
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 303.727 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion: 63 Resp: 435195
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.8

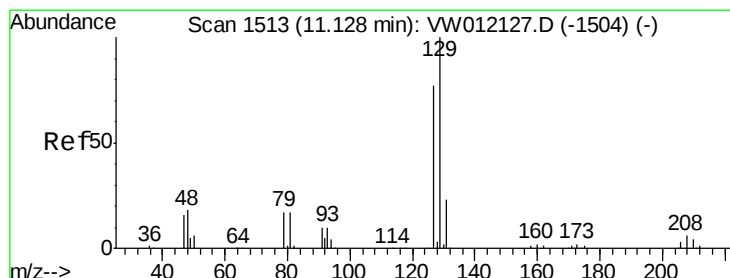
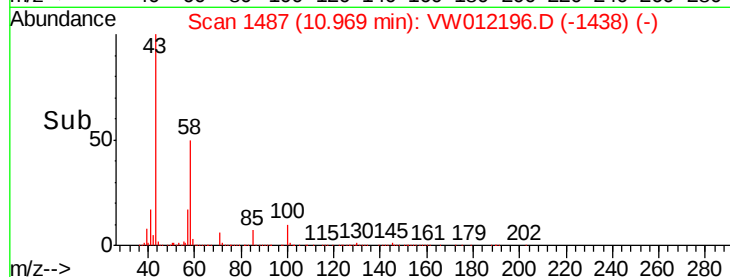
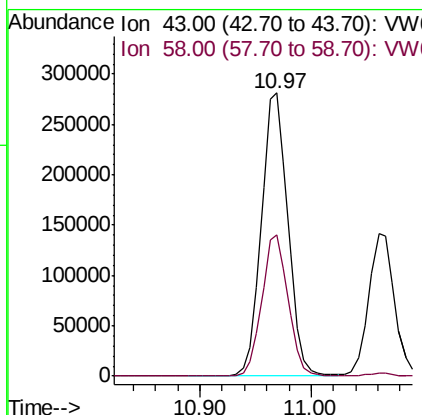
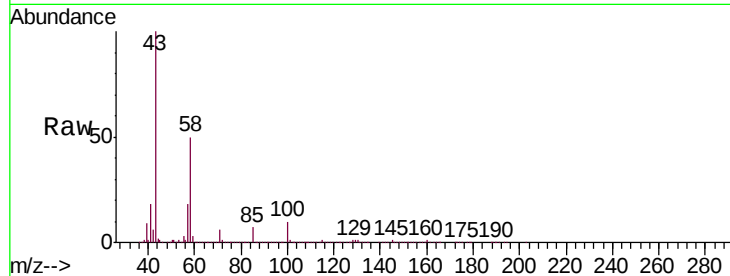




#59
2-Hexanone
Concen: 308.961 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

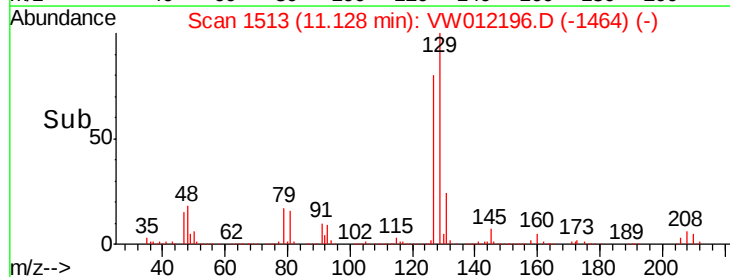
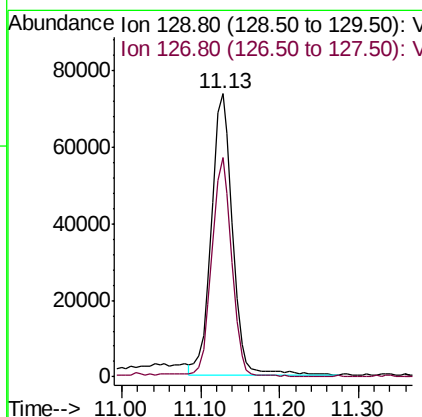
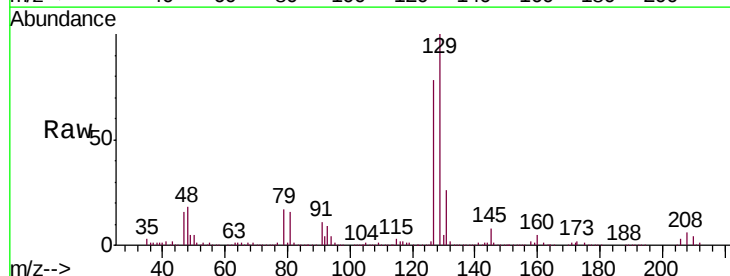
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

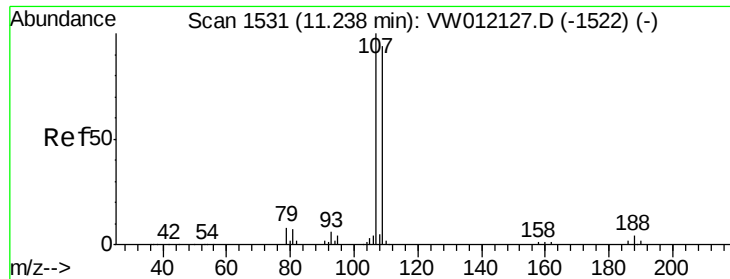
Tgt Ion: 43 Resp: 467995
Ion Ratio Lower Upper
43 100
58 49.4 24.3 72.9



#60
Dibromochloromethane
Concen: 63.887 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion: 129 Resp: 136502
Ion Ratio Lower Upper
129 100
127 73.2 38.6 115.8

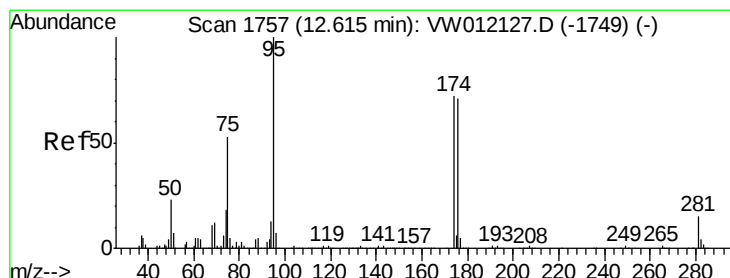
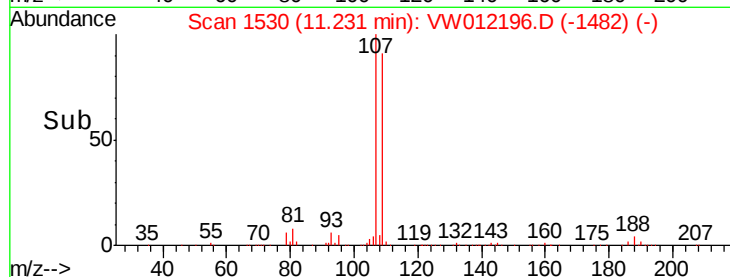
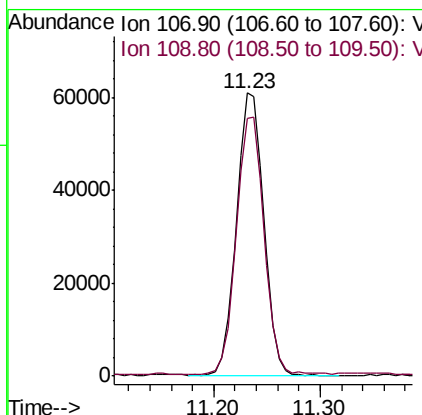
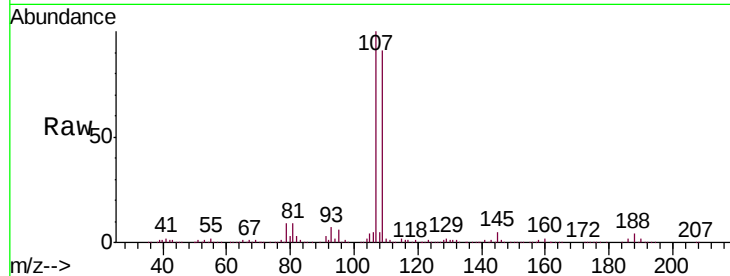




#61
 1,2-Dibromoethane
 Concen: 61.208 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

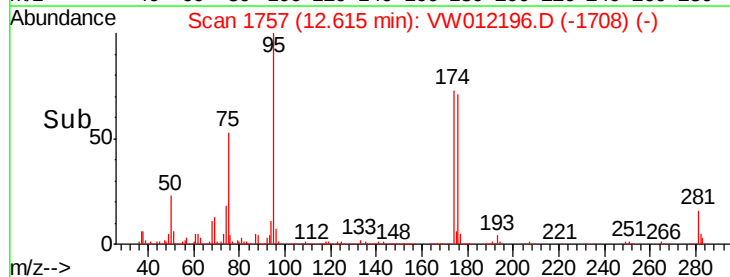
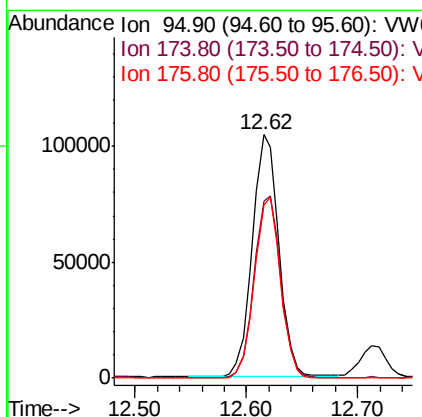
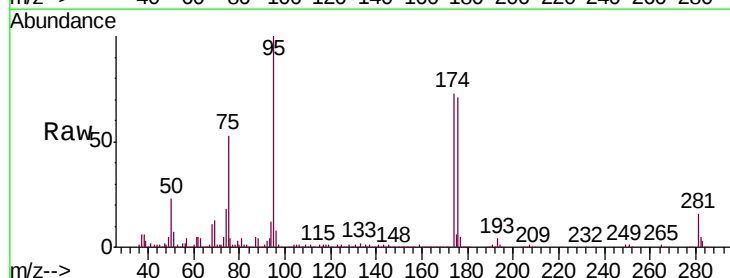
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

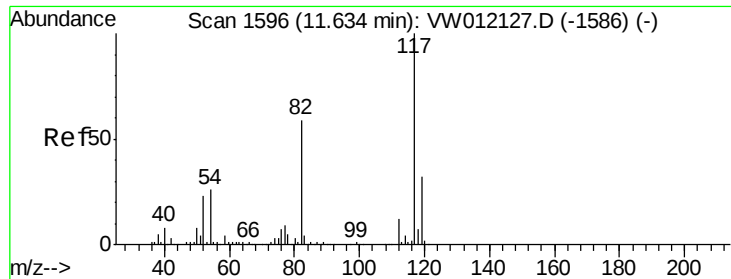
Tgt Ion: 107 Resp: 109385
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.773 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion: 95 Resp: 173812
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 150.8
 176 73.0 0.0 148.6

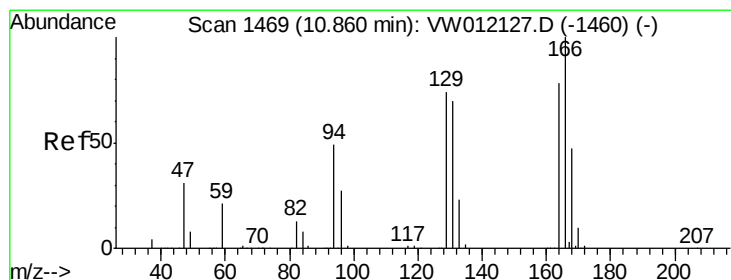
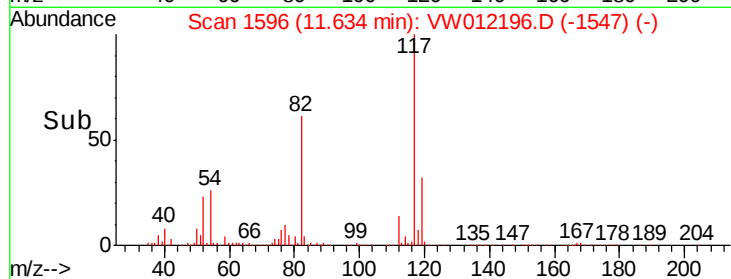
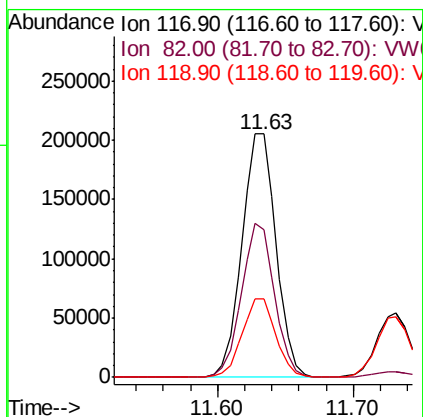
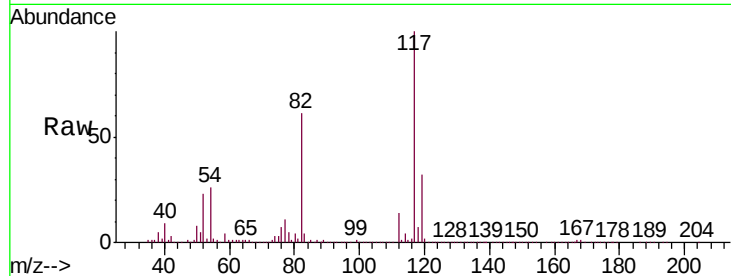




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

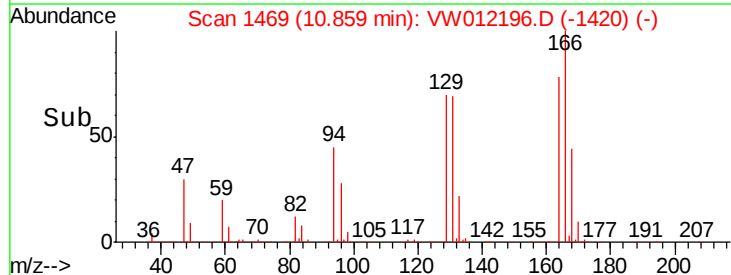
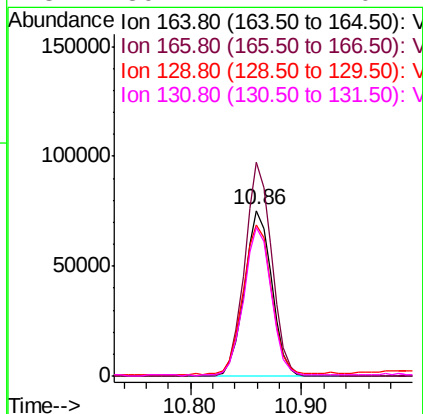
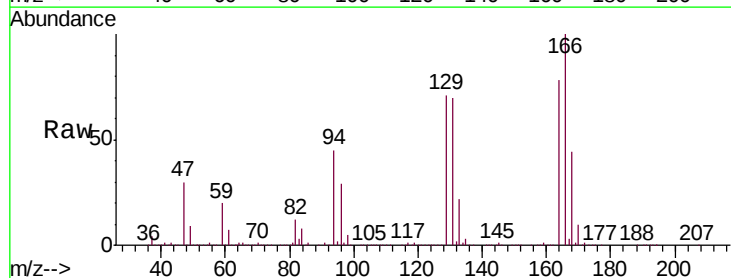
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

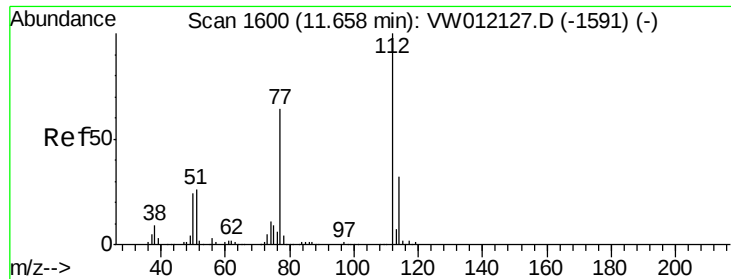
Tgt Ion:117 Resp: 357777
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 55.235 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion:164 Resp: 128121
Ion Ratio Lower Upper
164 100
166 128.9 102.4 153.6
129 89.9 75.8 113.6
131 89.1 71.4 107.2

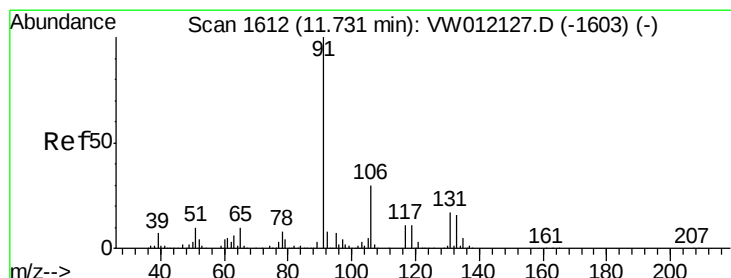
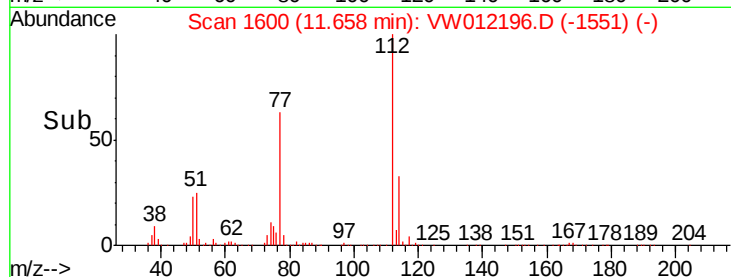
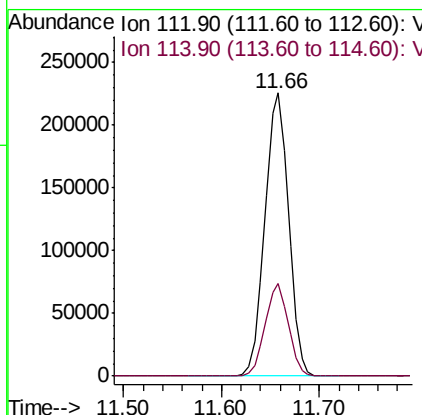
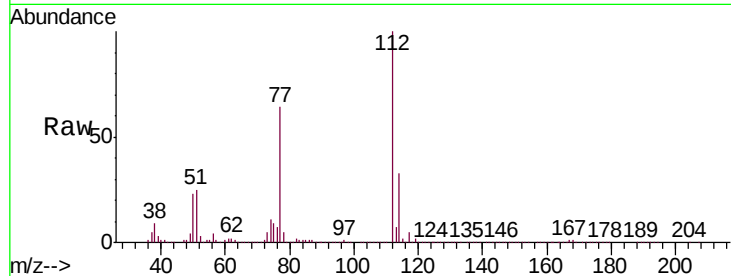




#65
Chlorobenzene
Concen: 53.936 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

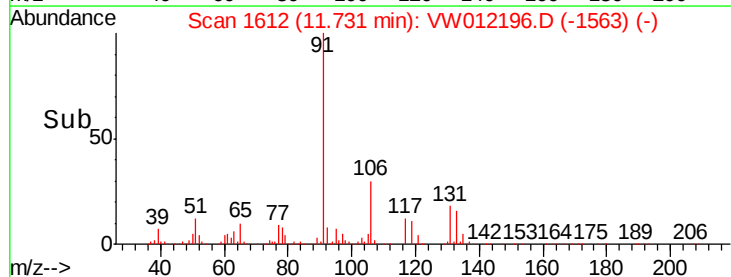
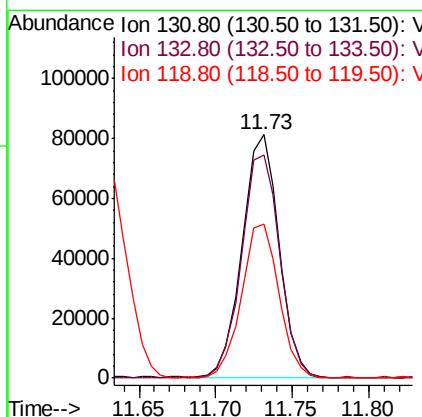
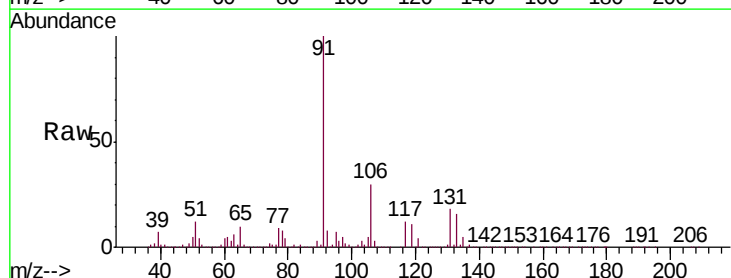
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 379975
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.308 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion:131 Resp: 135931
Ion Ratio Lower Upper
131 100
133 95.6 47.1 141.3
119 63.7 31.8 95.3





#67

Ethyl Benzene

Concen: 53.571 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

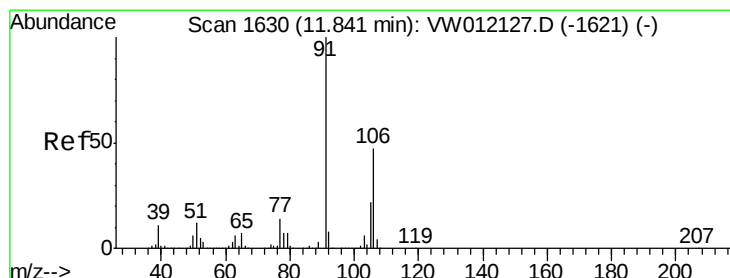
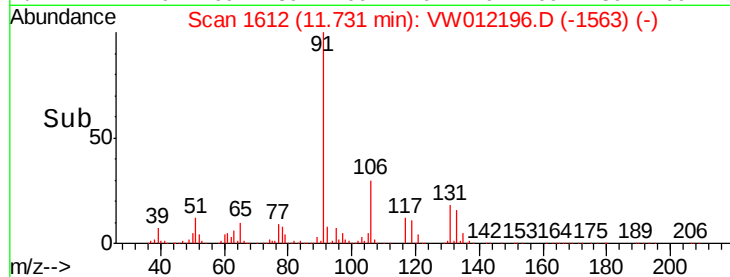
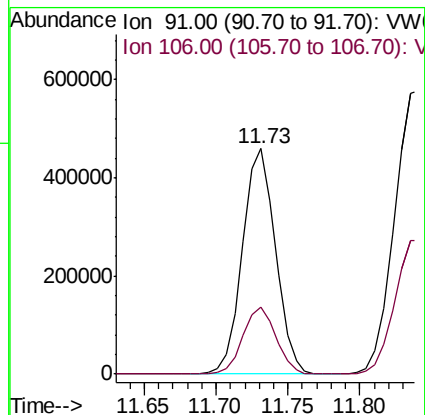
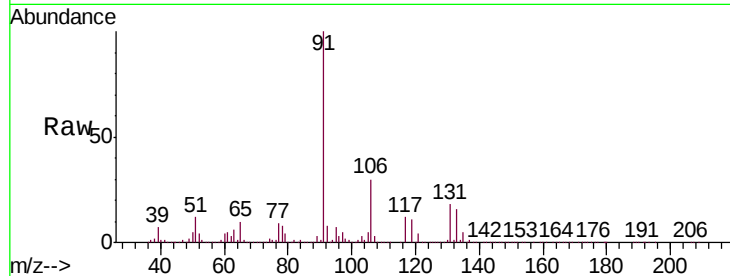
VSTDCCC050EC

Tgt Ion: 91 Resp: 727006

Ion Ratio Lower Upper

91 100

106 29.8 24.3 36.5



#68

m/p-Xylenes

Concen: 107.106 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012196.D

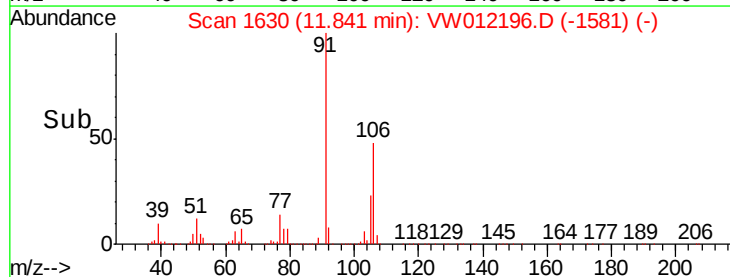
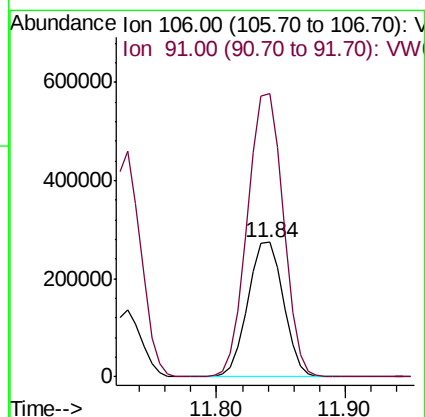
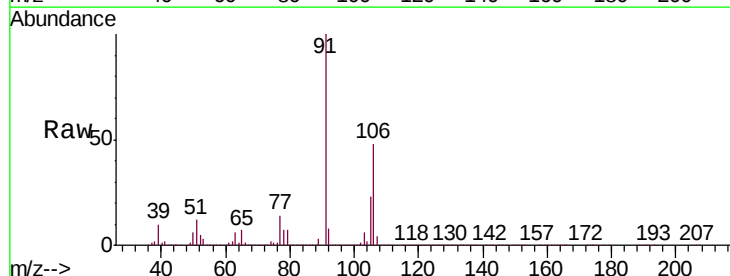
Acq: 27 Aug 2019 02:26

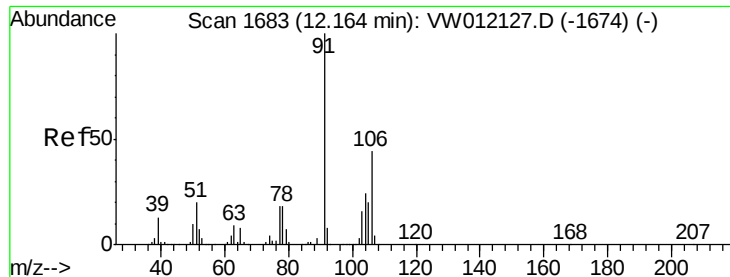
Tgt Ion: 106 Resp: 523575

Ion Ratio Lower Upper

106 100

91 211.6 169.5 254.3

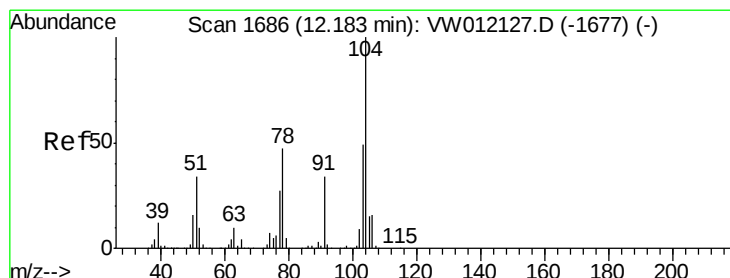
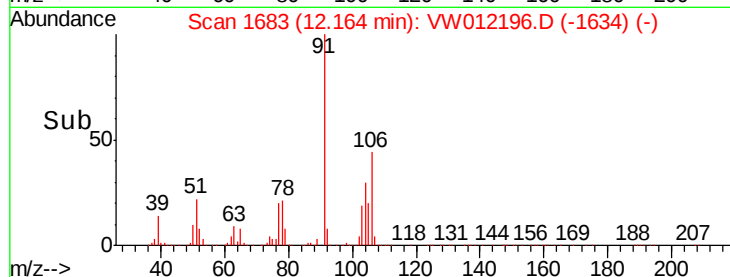
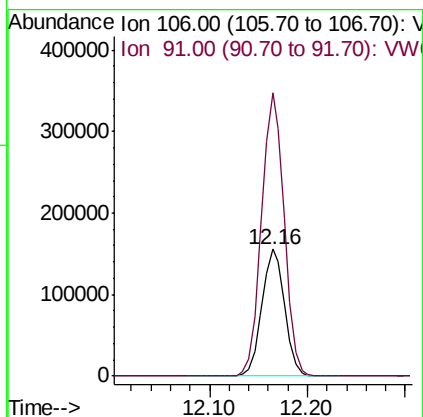
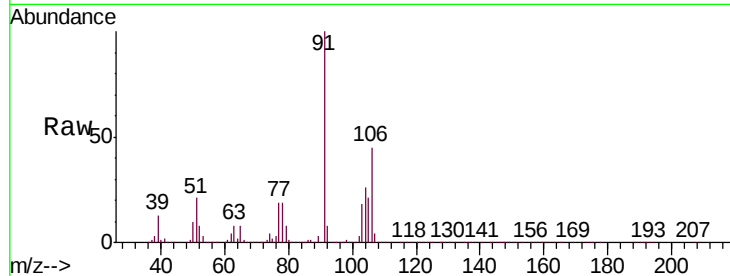




#69
o-Xylene
Concen: 55.634 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

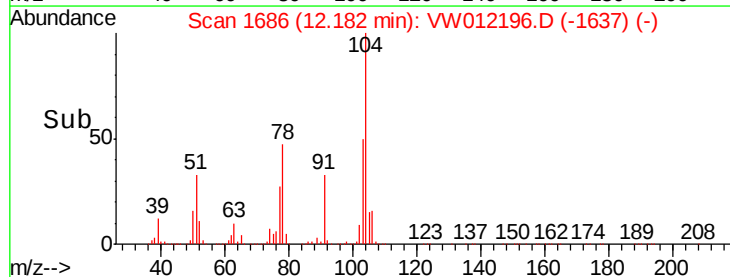
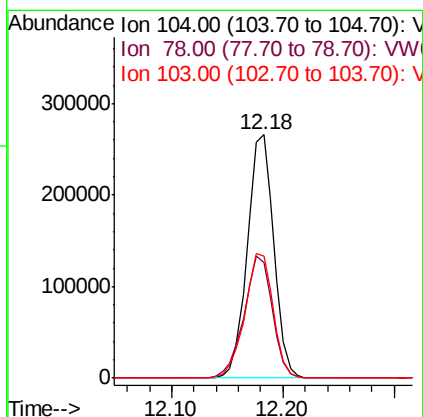
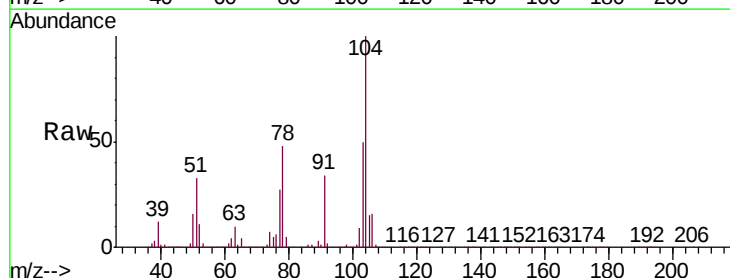
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

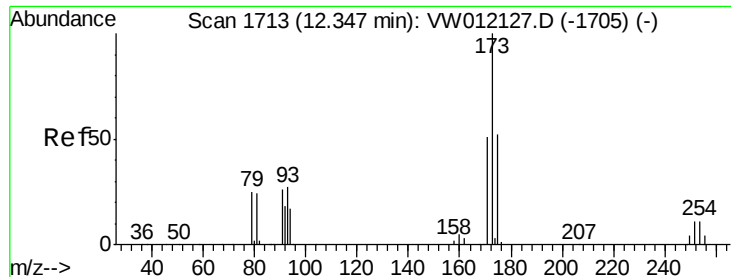
Tgt Ion:106 Resp: 251708
Ion Ratio Lower Upper
106 100
91 222.2 111.6 334.6



#70
Styrene
Concen: 55.796 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion:104 Resp: 436953
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 55.1 43.5 65.3





#71

Bromoform

Concen: 60.143 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

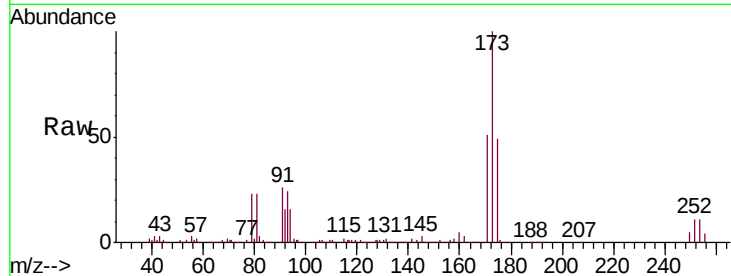
Tgt Ion:173 Resp: 73645

Ion Ratio Lower Upper

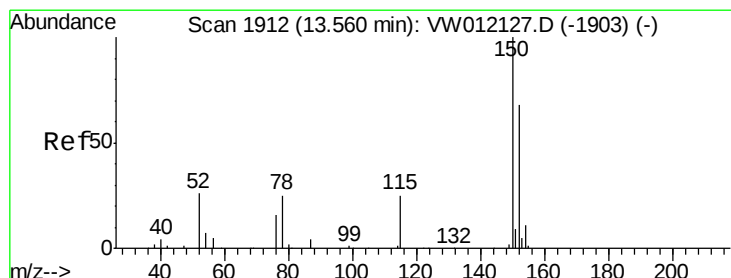
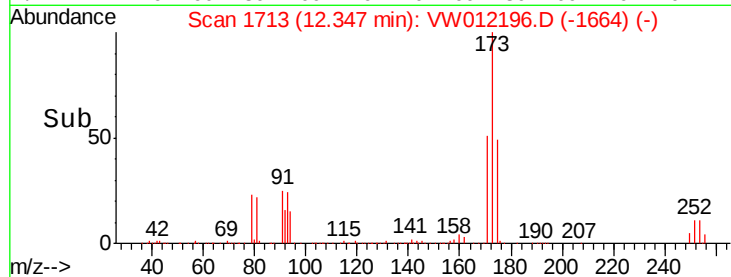
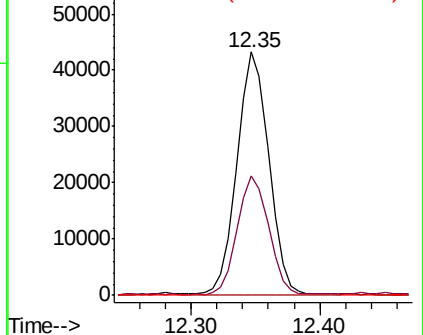
173 100

175 48.1 24.6 74.0

254 0.2 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

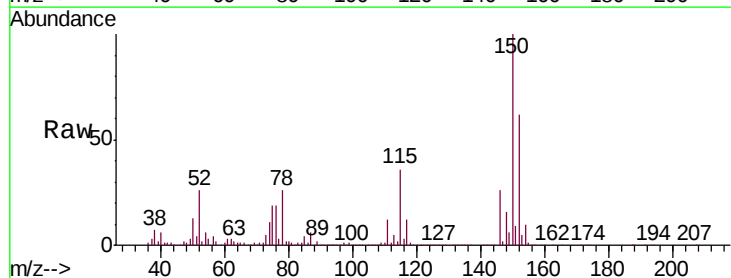
Tgt Ion:152 Resp: 168059

Ion Ratio Lower Upper

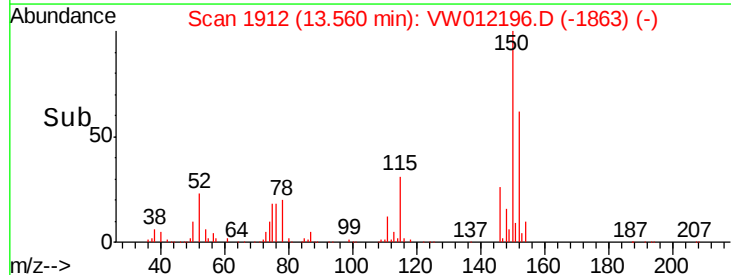
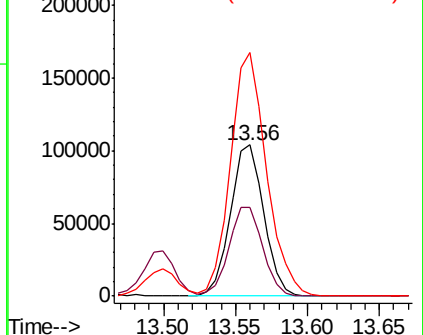
152 100

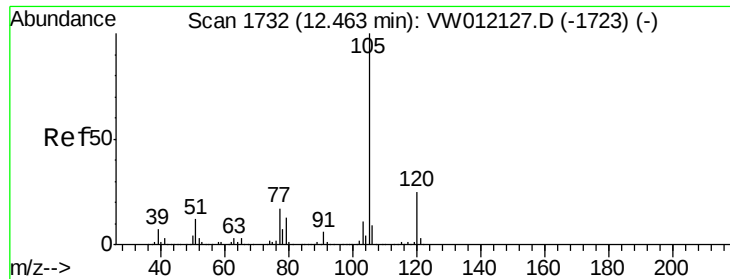
115 59.1 30.1 90.3

150 173.8 0.0 345.8



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





#73

Isopropylbenzene

Concen: 54.102 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

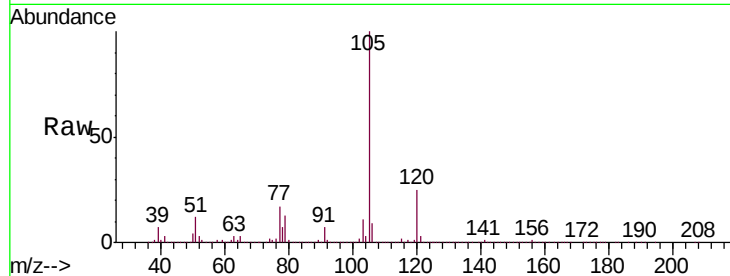
VSTDCCC050EC

Tgt Ion:105 Resp: 681295

Ion Ratio Lower Upper

105 100

120 25.6 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

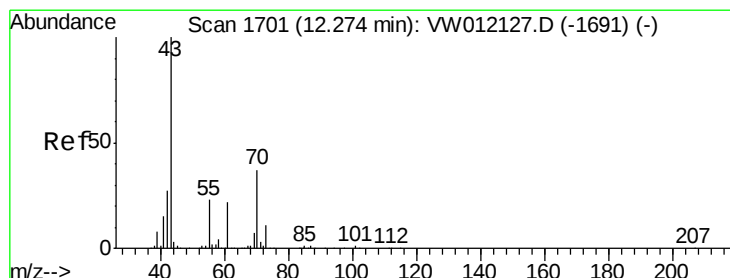
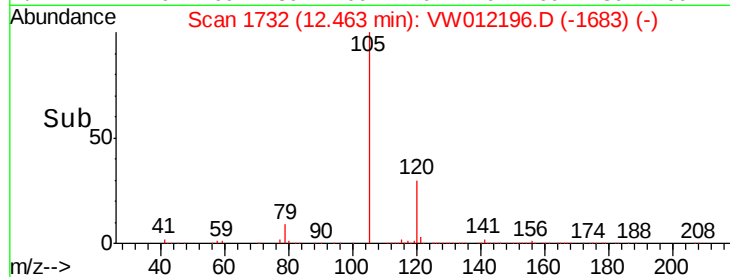
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 64.307 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Tgt Ion: 43 Resp: 244668

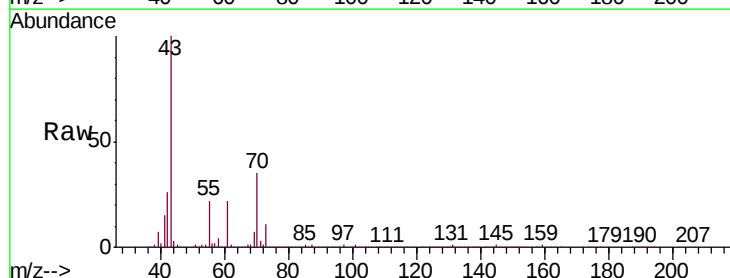
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 21.7 17.8 26.6

61 21.3 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

250000

200000

150000

100000

50000

0

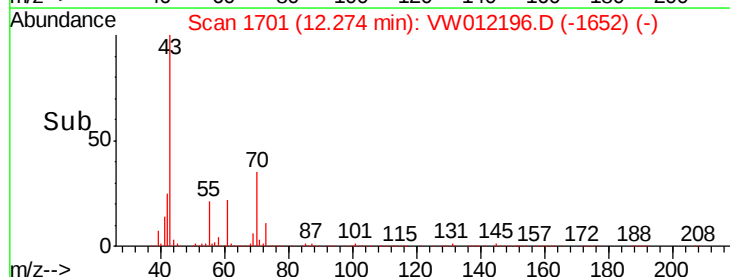
12.27

12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.476 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

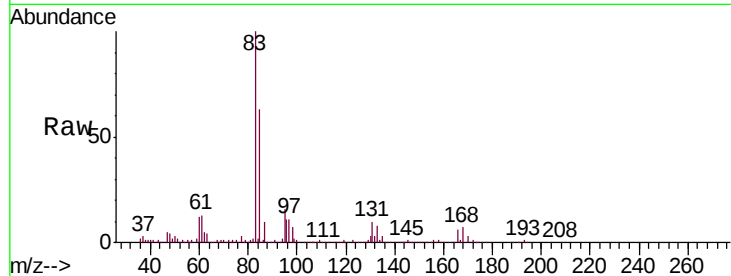
Tgt Ion: 83 Resp: 139617

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

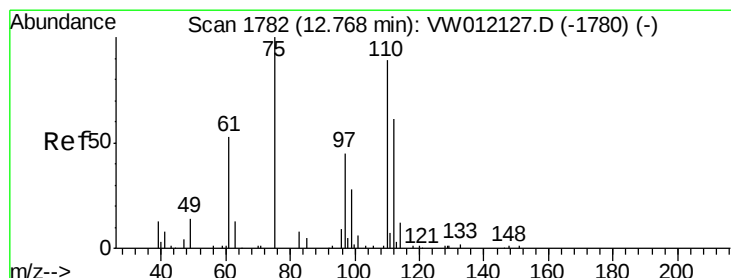
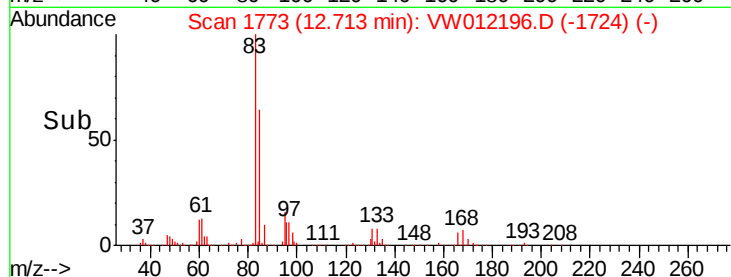
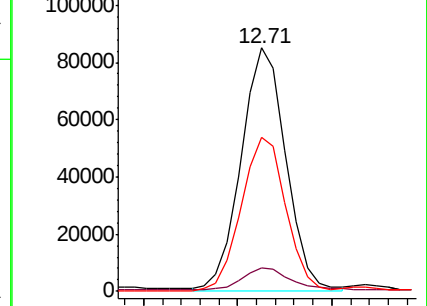
85 63.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 110.448 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012196.D

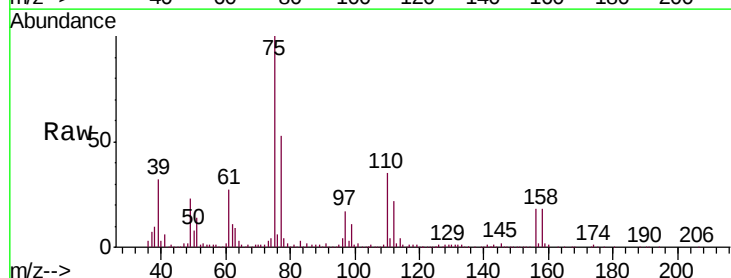
Acq: 27 Aug 2019 02:26

Tgt Ion: 75 Resp: 180778

Ion Ratio Lower Upper

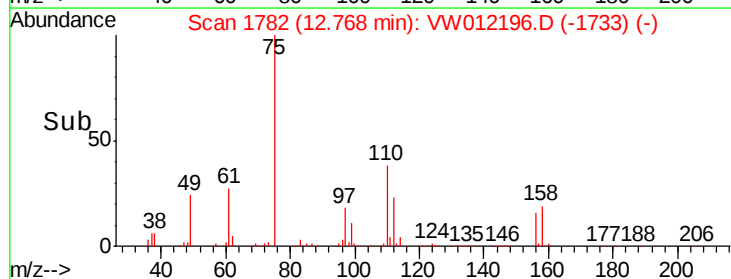
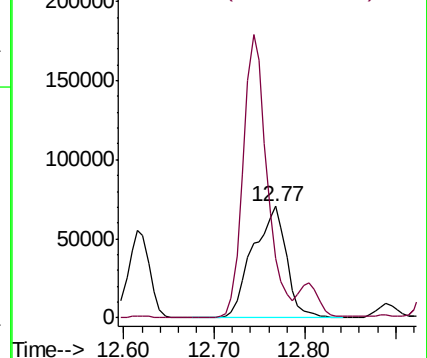
75 100

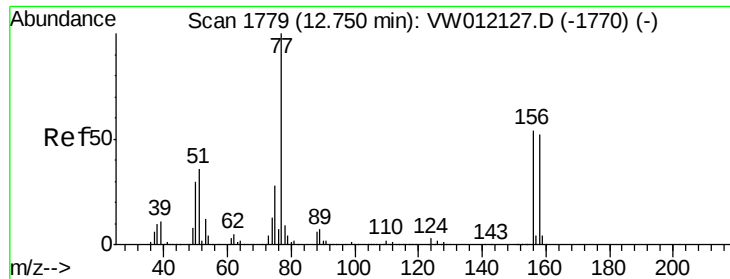
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.628 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

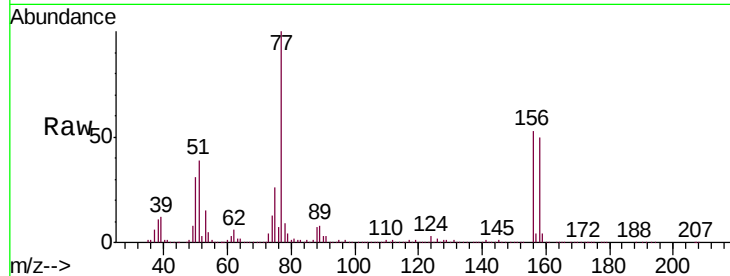
Tgt Ion:156 Resp: 156997

Ion Ratio Lower Upper

156 100

77 208.5 107.3 321.8

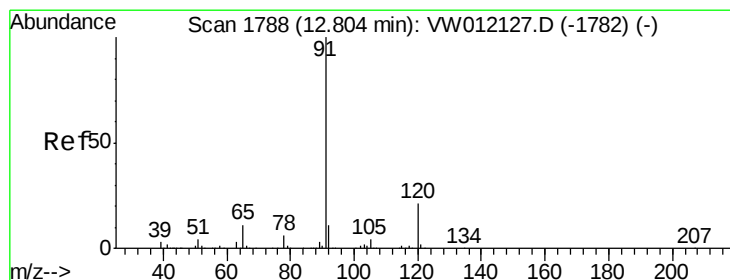
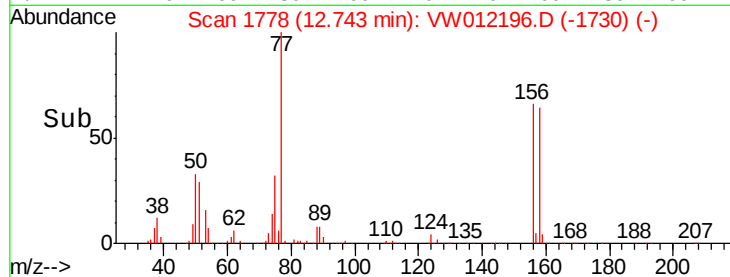
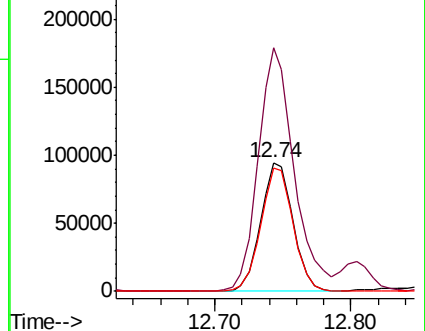
158 96.1 49.0 147.0



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: 53.112 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012196.D

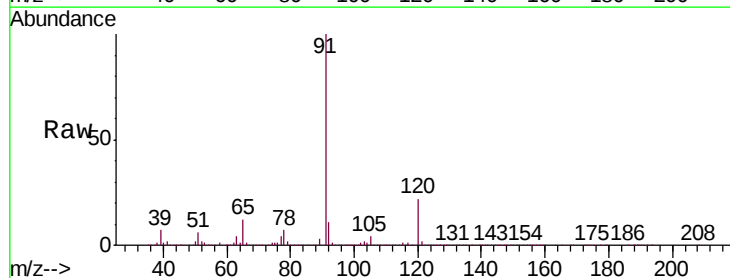
Acq: 27 Aug 2019 02:26

Tgt Ion: 91 Resp: 816516

Ion Ratio Lower Upper

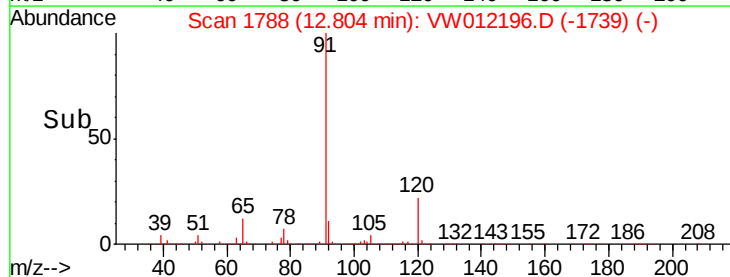
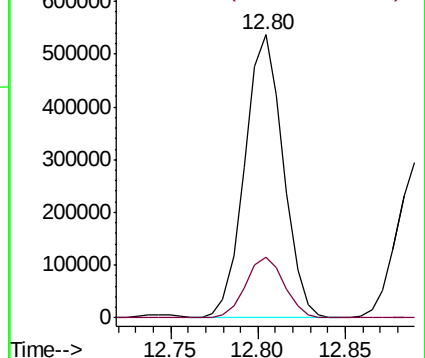
91 100

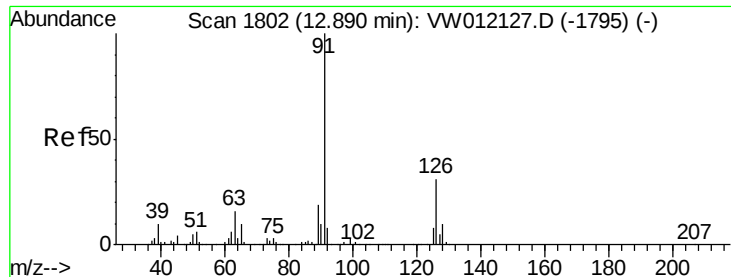
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.546 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

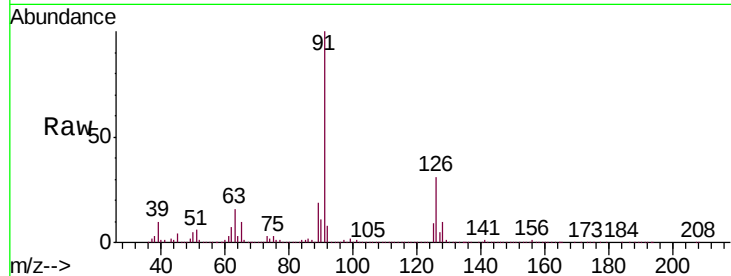
VSTDCCC050EC

Tgt Ion: 91 Resp: 476085

Ion Ratio Lower Upper

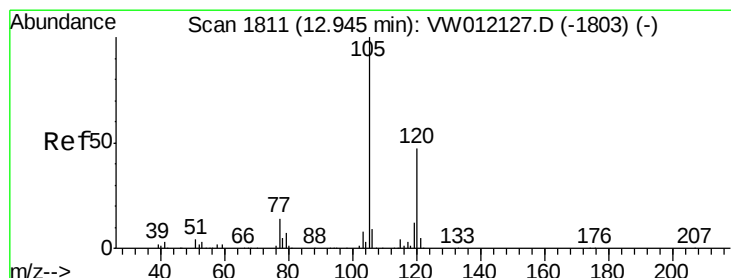
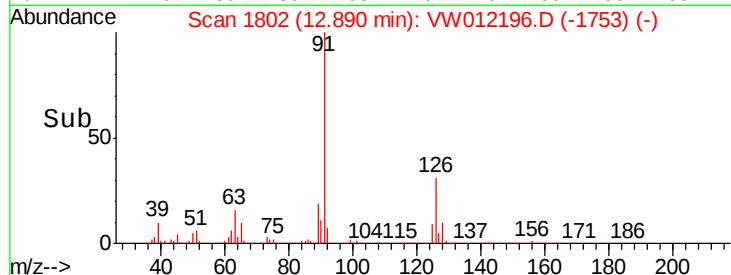
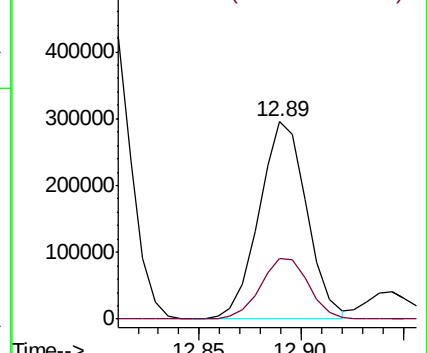
91 100

126 31.7 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.703 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012196.D

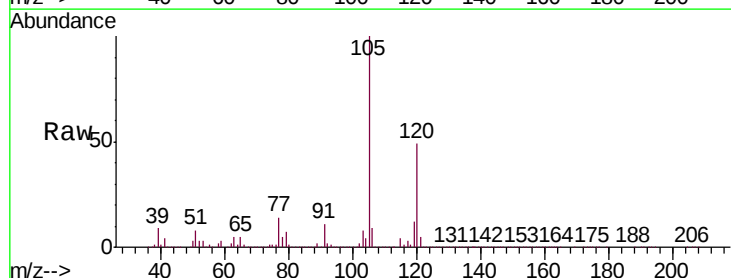
Acq: 27 Aug 2019 02:26

Tgt Ion: 105 Resp: 575621

Ion Ratio Lower Upper

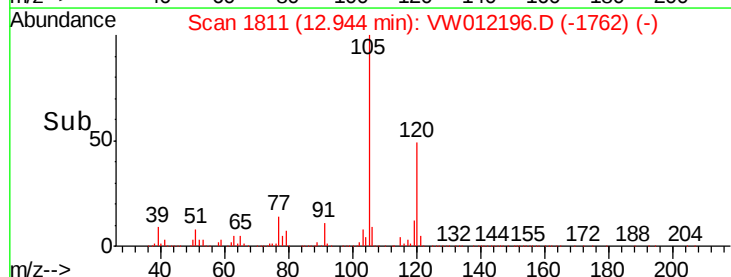
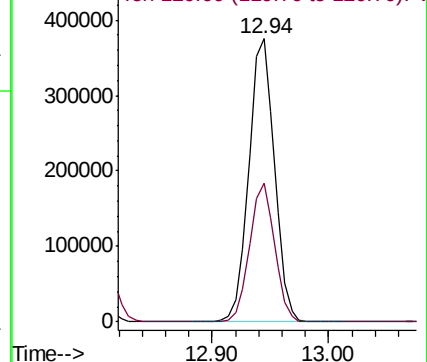
105 100

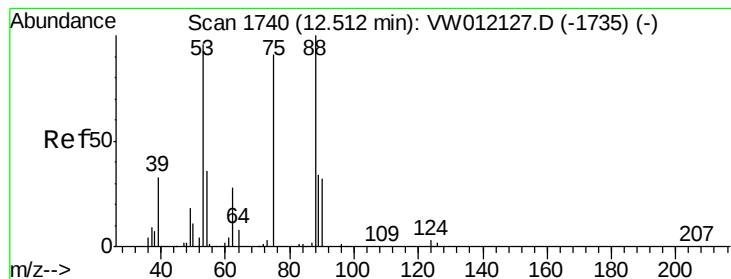
120 47.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 59.006 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

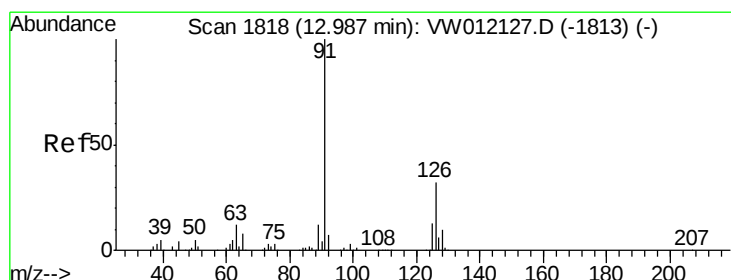
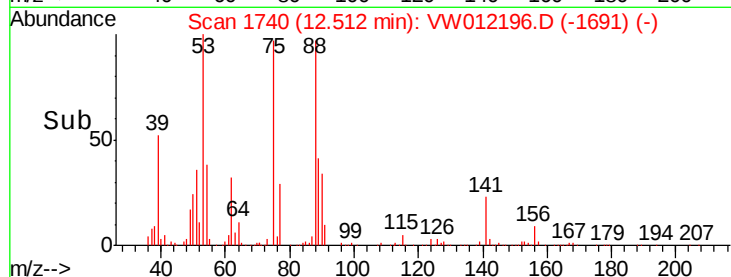
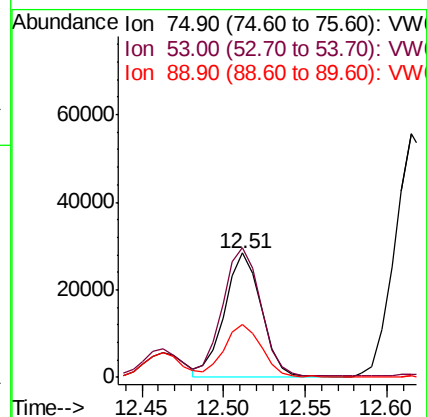
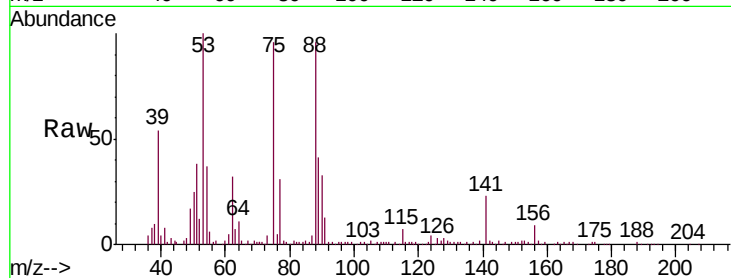
Tgt Ion: 75 Resp: 44049

Ion Ratio Lower Upper

75 100

53 107.8 89.4 134.0

89 43.6 34.5 51.7



#82

4-Chlorotoluene

Concen: 54.289 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012196.D

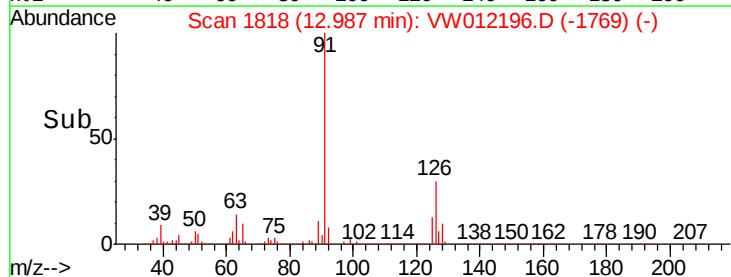
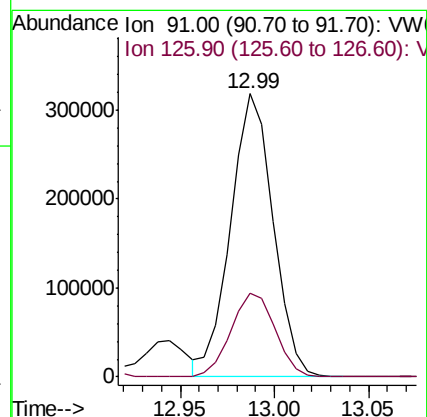
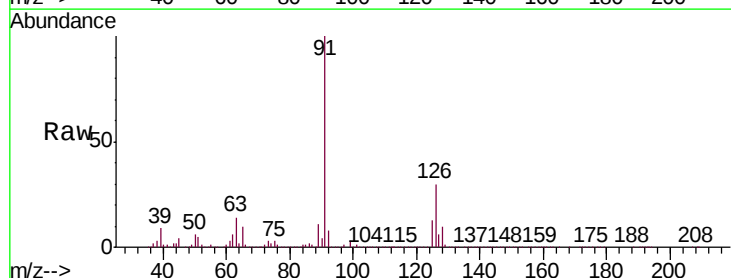
Acq: 27 Aug 2019 02:26

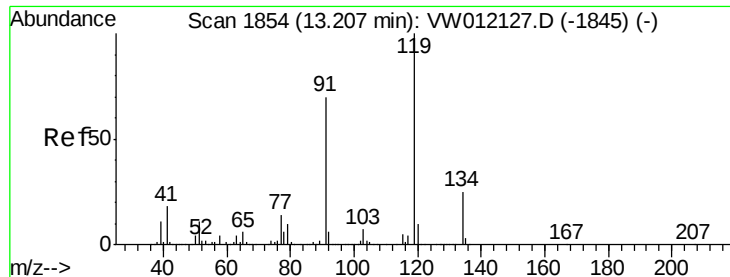
Tgt Ion: 91 Resp: 496143

Ion Ratio Lower Upper

91 100

126 30.7 15.6 46.8

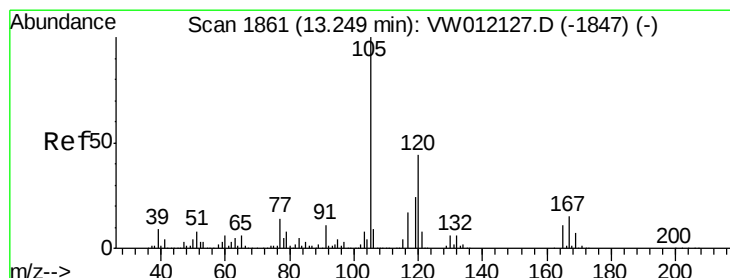
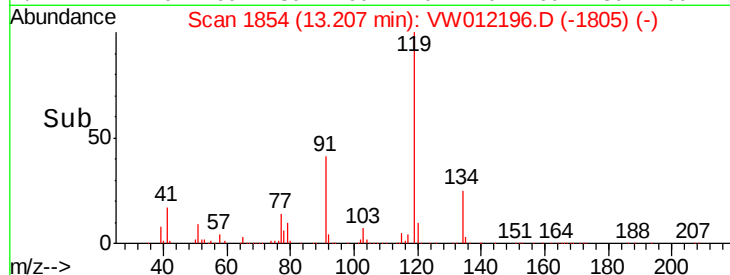
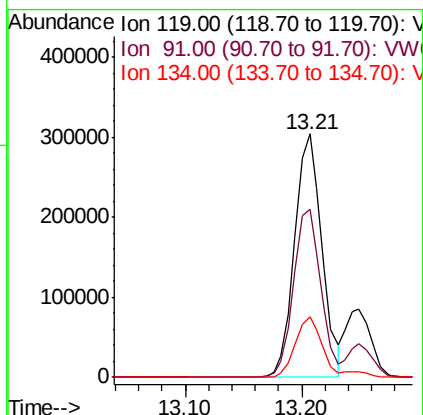
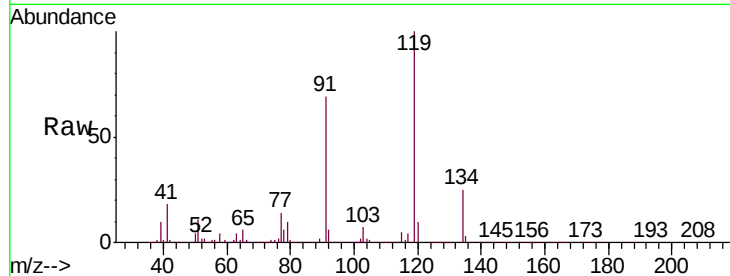




#83
 tert-Butylbenzene
 Concen: 54.958 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

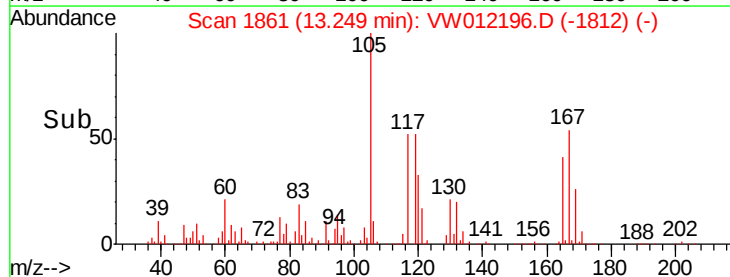
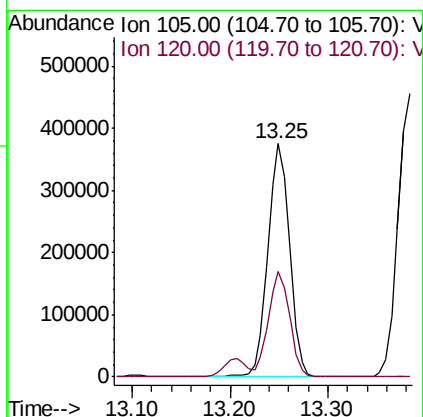
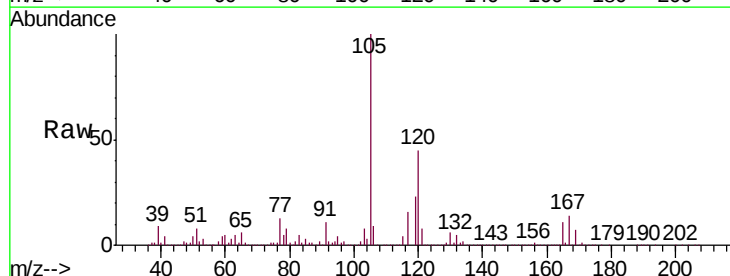
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

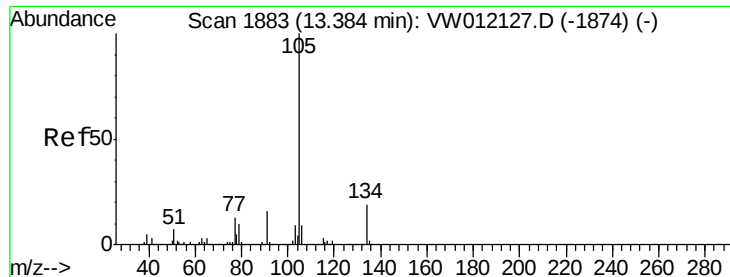
Tgt Ion:119 Resp: 489870
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.8 104.3
 134 24.5 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.585 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion:105 Resp: 576981
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.7

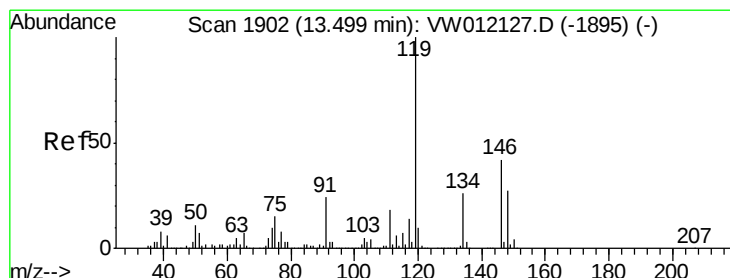
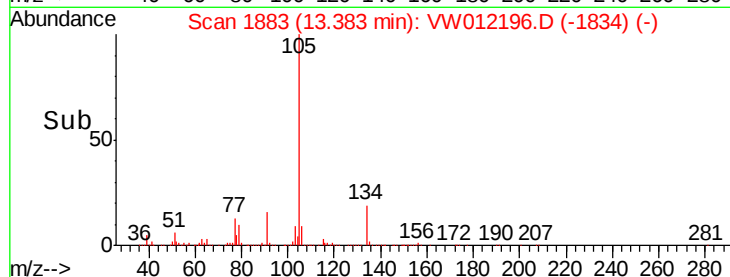
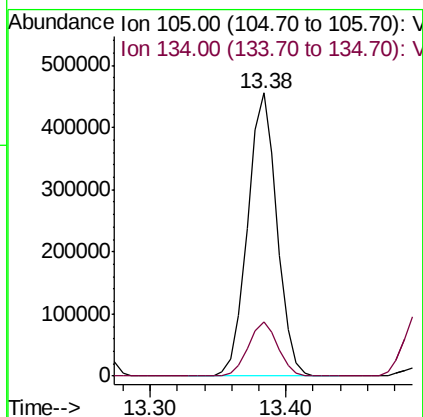
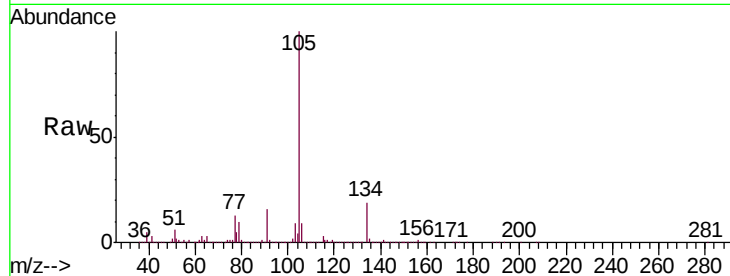




#85
 sec-Butylbenzene
 Concen: 53.791 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

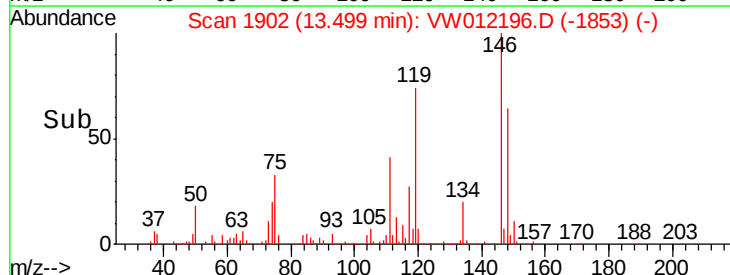
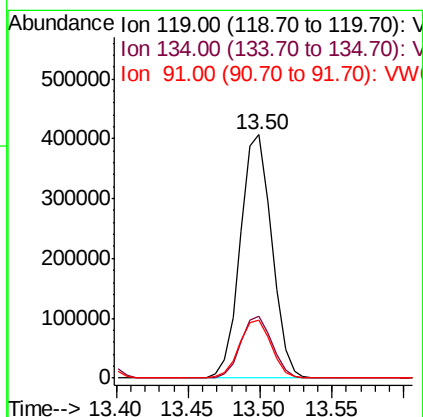
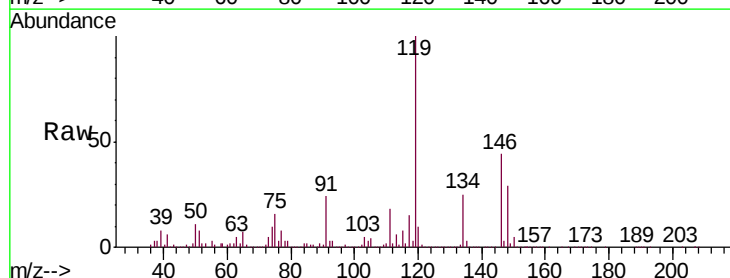
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

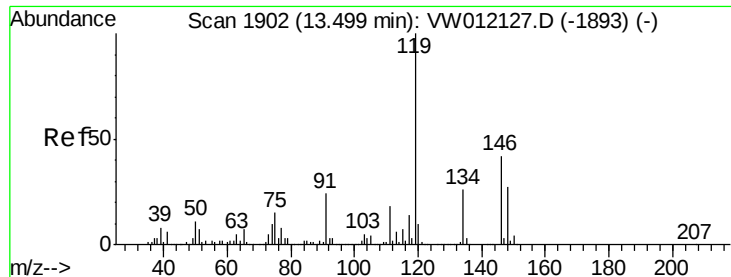
Tgt Ion:105 Resp: 686923
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 53.979 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion:119 Resp: 615610
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 24.2 12.3 36.9

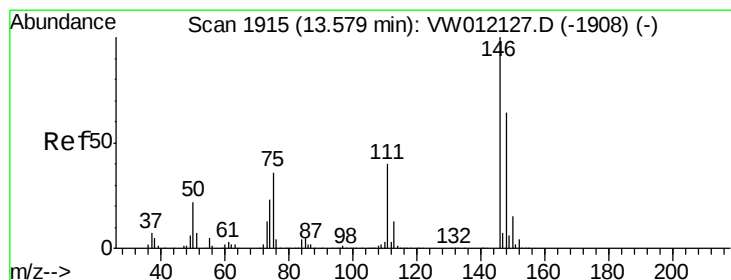
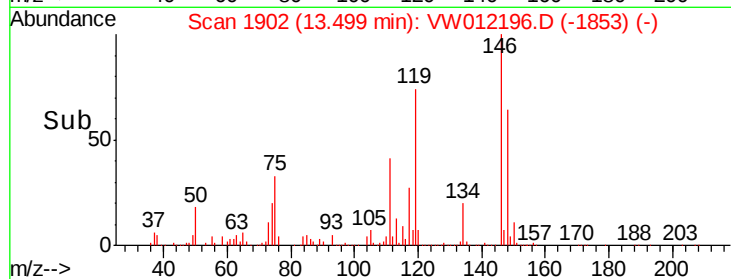
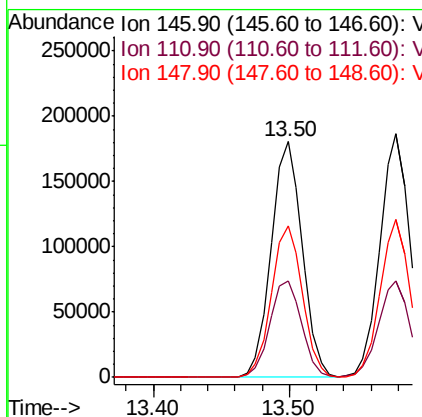
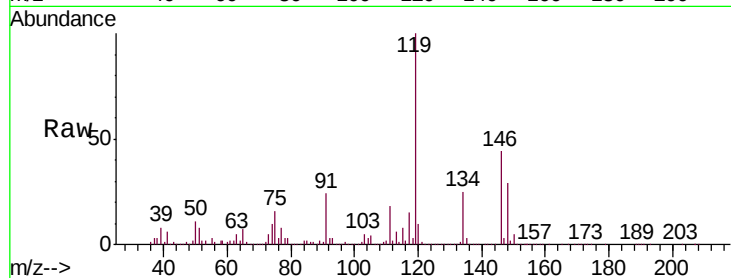




#87
 1,3-Dichlorobenzene
 Concen: 53.984 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

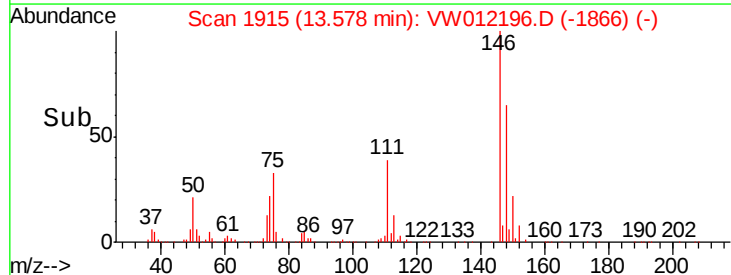
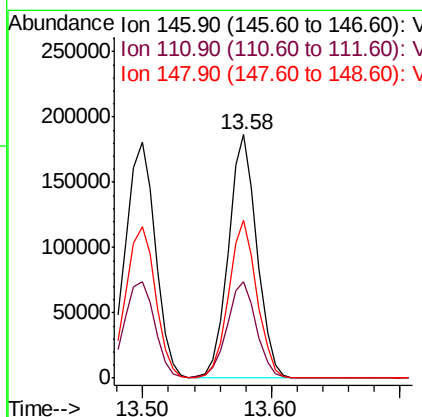
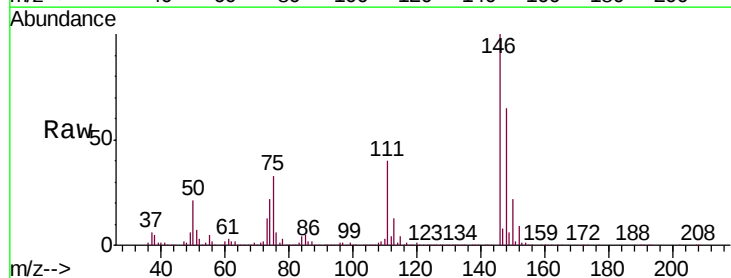
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

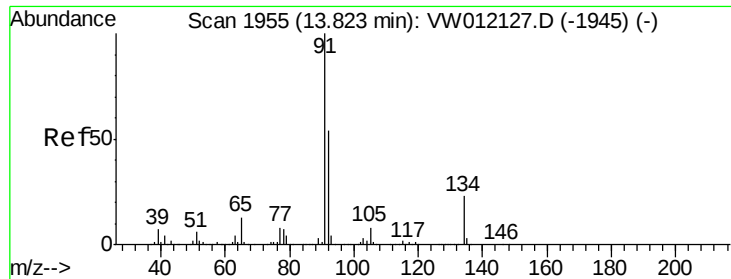
Tgt Ion:146 Resp: 287667
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.9 62.7
 148 64.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 54.212 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion:146 Resp: 286834
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 52.360 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012196.D

Acq: 27 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

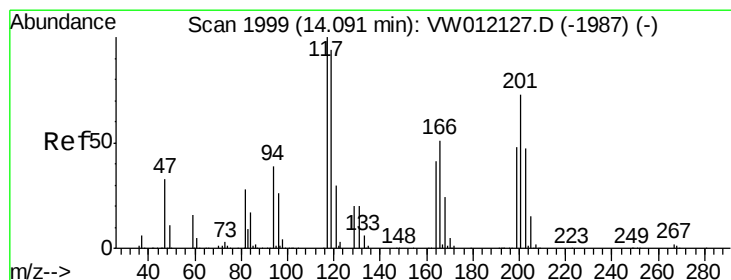
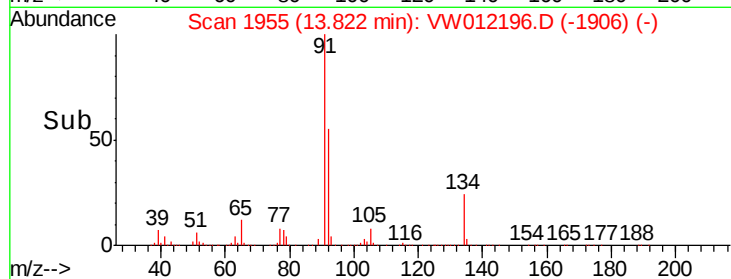
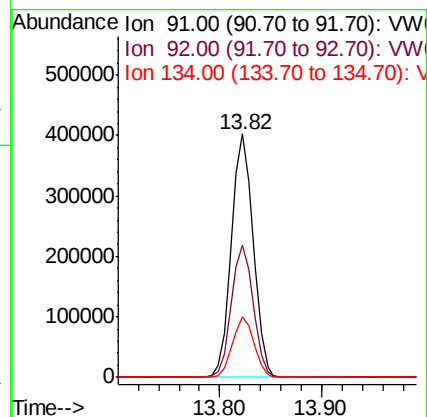
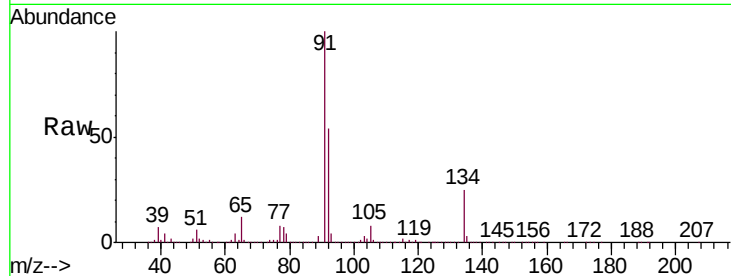
Tgt Ion: 91 Resp: 593825

Ion Ratio Lower Upper

91 100

92 54.2 27.1 81.2

134 24.5 12.2 36.4



#90

Hexachloroethane

Concen: 55.118 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012196.D

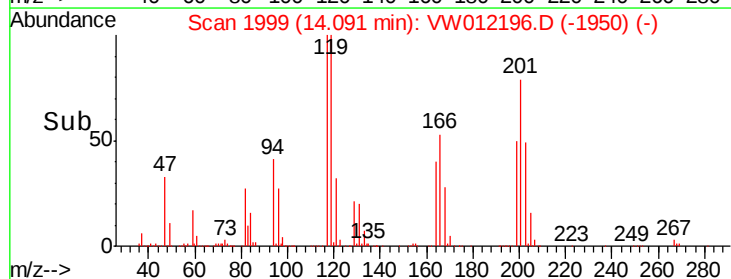
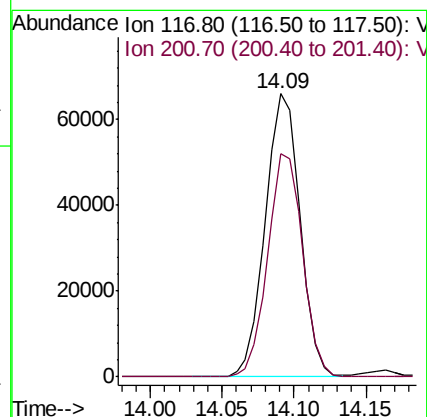
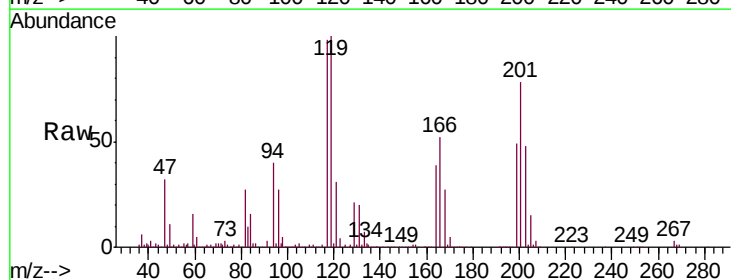
Acq: 27 Aug 2019 02:26

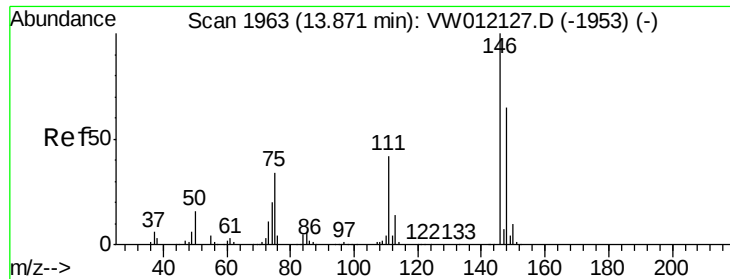
Tgt Ion: 117 Resp: 110285

Ion Ratio Lower Upper

117 100

201 79.4 38.6 115.7

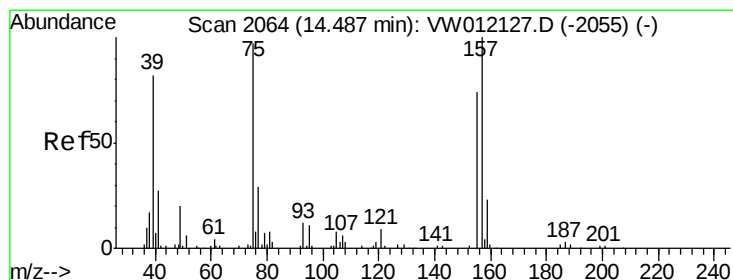
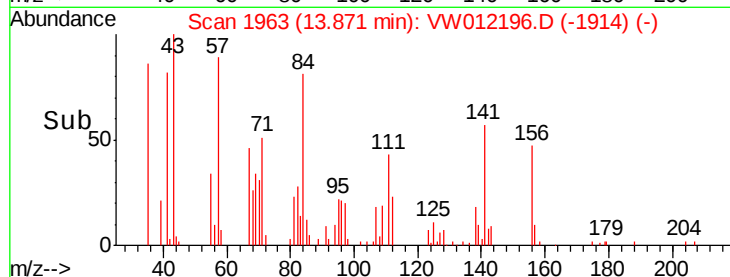
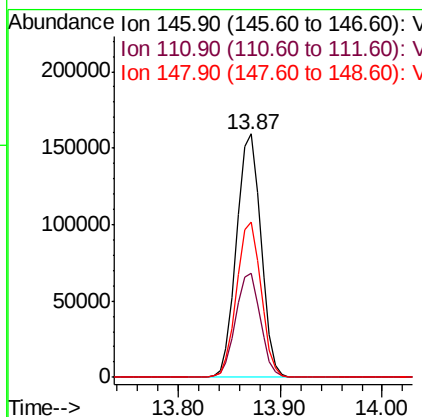
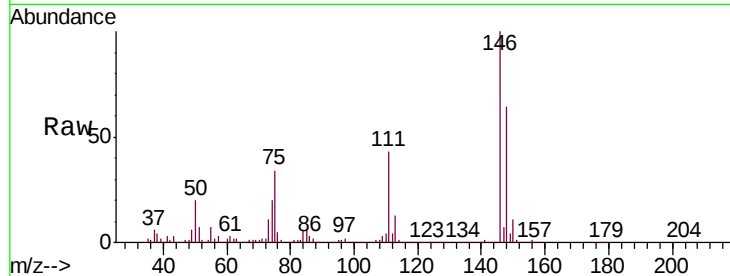




#91
 1,2-Dichlorobenzene
 Concen: 56.251 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

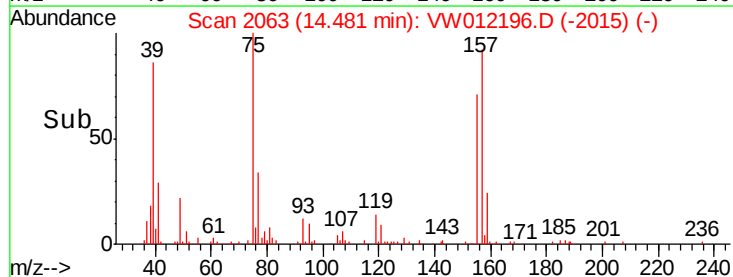
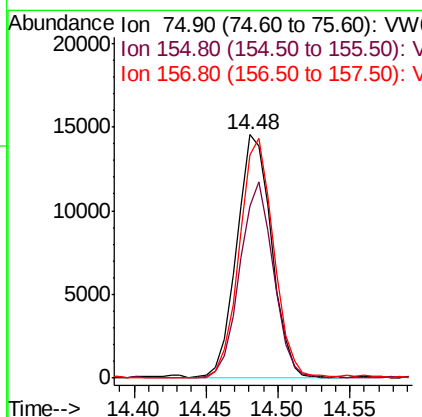
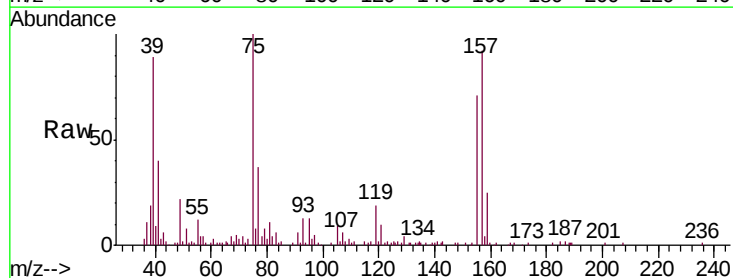
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

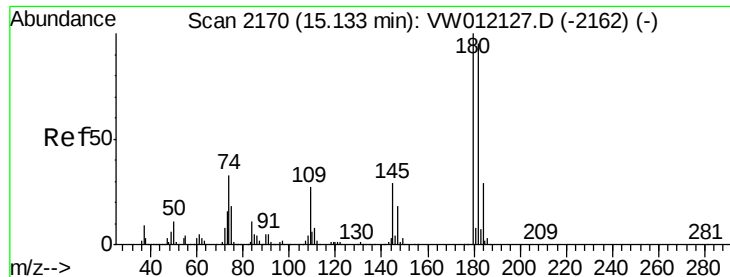
Tgt Ion:146 Resp: 262953
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.2 63.6
 148 64.0 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.906 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion: 75 Resp: 24483
 Ion Ratio Lower Upper
 75 100
 155 77.5 37.5 112.3
 157 96.2 50.5 151.5

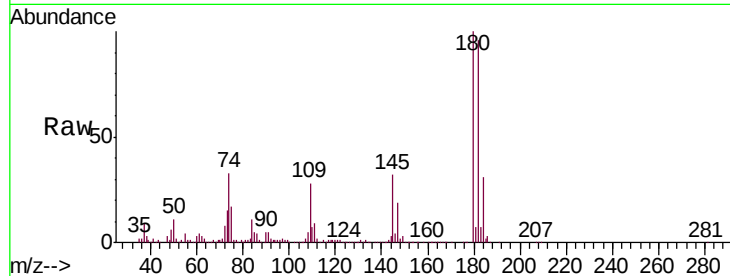




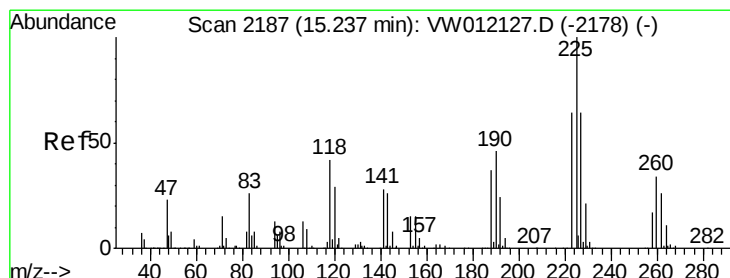
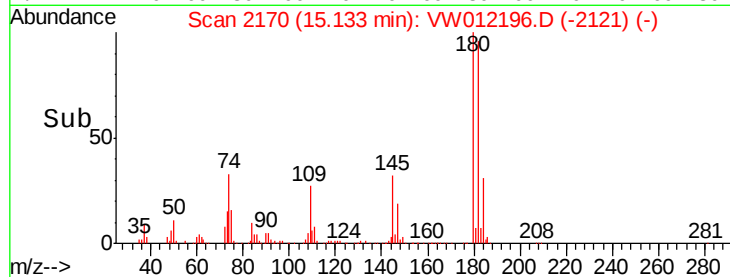
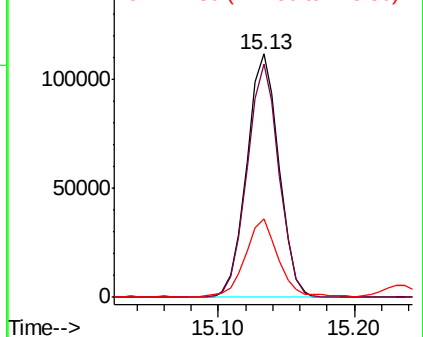
#93
 1,2,4-Trichlorobenzene
 Concen: 57.361 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.4
145	32.3	15.0	45.1

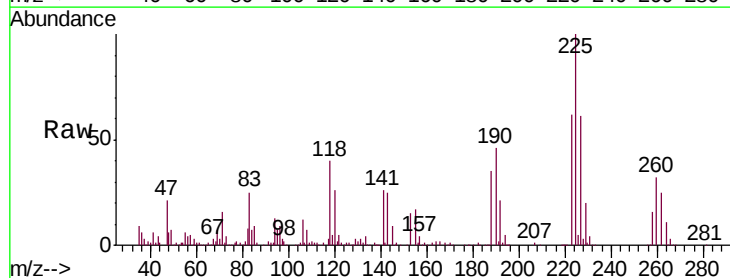


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

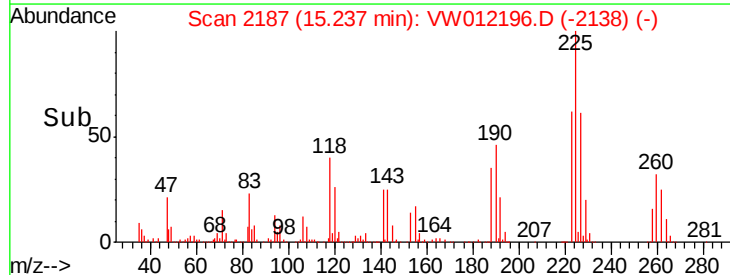
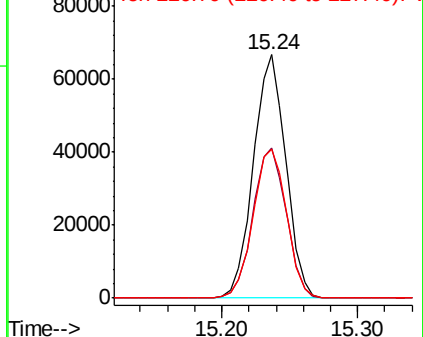


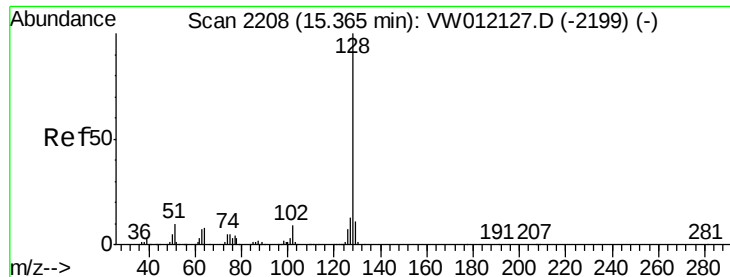
#94
 Hexachlorobutadiene
 Concen: 52.388 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012196.D
 Acq: 27 Aug 2019 02:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.3	96.8
227	63.0	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

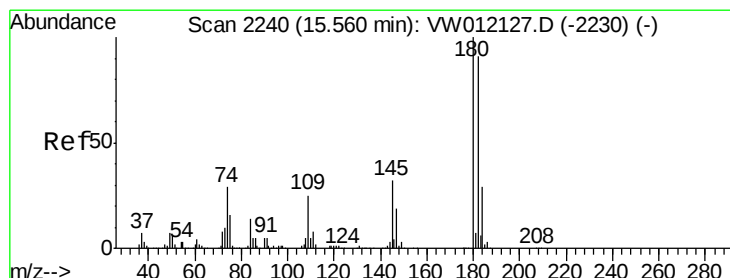
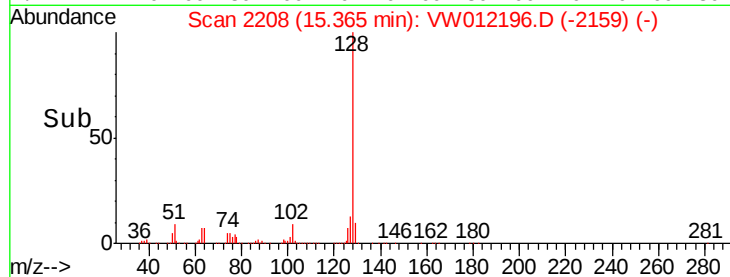
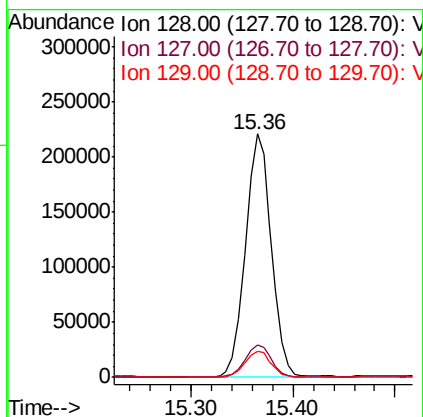
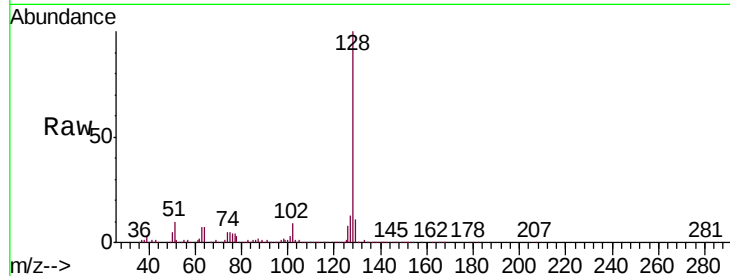




#95
Naphthalene
Concen: 60.666 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 390961
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 59.972 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012196.D
Acq: 27 Aug 2019 02:26

Tgt Ion:180 Resp: 169031
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.3
145 37.8 16.2 48.5

