

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012198.D
 Acq On : 27 Aug 2019 08:39
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 28 05:08:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	282881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	380993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181191	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	155382	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
35) Dibromofluoromethane	7.88	113	129933	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	10.32	98	540641	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.62	95	188084	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	88902	51.040	ug/l	99
3) Chloromethane	2.21	50	127349	47.192	ug/l	100
4) Vinyl Chloride	2.36	62	167725	50.781	ug/l	99
5) Bromomethane	2.78	94	82586	49.372	ug/l	98
6) Chloroethane	2.92	64	93858	50.373	ug/l	96
7) Trichlorofluoromethane	3.26	101	90398	54.506	ug/l	100
8) Diethyl Ether	3.68	74	75092	47.701	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	141486	50.188	ug/l	99
10) Methyl Iodide	4.27	142	194071	50.880	ug/l	99
11) Tert butyl alcohol	5.19	59	45645	225.553	ug/l	98
12) 1,1-Dichloroethene	4.04	96	142640	50.271	ug/l	97
13) Acrolein	3.90	56	40035	210.163	ug/l	96
14) Allyl chloride	4.67	41	316997	52.258	ug/l	99
15) Acrylonitrile	5.37	53	179303	229.792	ug/l	99
16) Acetone	4.13	43	213565	248.449	ug/l	99
17) Carbon Disulfide	4.38	76	444458	51.830	ug/l	100
18) Methyl Acetate	4.67	43	92427	43.412	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	223214	48.646	ug/l	98
20) Methylene Chloride	4.91	84	147345	45.342	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	151303	49.726	ug/l	97
22) Diisopropyl ether	6.31	45	553498	49.226	ug/l	97
23) Vinyl Acetate	6.25	43	1711733	247.372	ug/l	100
24) 1,1-Dichloroethane	6.21	63	301392	49.230	ug/l	99
25) 2-Butanone	7.17	43	275434	235.799	ug/l	99
26) 2,2-Dichloropropane	7.16	77	180419	52.066	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	161304	49.619	ug/l	99
28) Bromochloromethane	7.51	49	125096	46.882	ug/l	98
29) Tetrahydrofuran	7.52	42	161758	230.818	ug/l	100
30) Chloroform	7.67	83	268998	48.026	ug/l	100
31) Cyclohexane	7.95	56	290777	48.007	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	220862	49.846	ug/l	99
36) 1,1-Dichloropropene	8.08	75	235338	50.828	ug/l	100
37) Ethyl Acetate	7.25	43	116077	45.749	ug/l	100
38) Carbon Tetrachloride	8.07	117	203127	50.687	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	271444	52.185	ug/l	98
40) Benzene	8.32	78	627132	49.604	ug/l	99
41) Methacrylonitrile	7.48	41	71507	47.952	ug/l	98
42) 1,2-Dichloroethane	8.40	62	186720	47.123	ug/l	100
43) Isopropyl Acetate	8.42	43	221132	47.052	ug/l	99
44) Trichloroethene	9.09	130	154910	50.403	ug/l	99
45) 1,2-Dichloropropane	9.37	63	164857	48.451	ug/l	98
46) Dibromomethane	9.46	93	72191	47.685	ug/l	99
47) Bromodichloromethane	9.64	83	195665	48.562	ug/l	98
48) Methyl methacrylate	9.43	41	108748	48.617	ug/l	100
49) 1,4-Dioxane	9.46	88	18924	816.530	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	562597	235.353	ug/l	99
52) Toluene	10.38	92	379248	49.933	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	205242	50.008	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	248997	50.246	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	101596	47.431	ug/l	99
56) Ethyl methacrylate	10.65	69	154702	49.624	ug/l	98
57) 1,3-Dichloropropane	10.93	76	194605	48.077	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	397461	248.421	ug/l	100
59) 2-Hexanone	10.97	43	416193	246.066	ug/l	99
60) Dibromochloromethane	11.13	129	117595	49.290	ug/l	99
61) 1,2-Dibromoethane	11.24	107	97110	48.664	ug/l	99
64) Tetrachloroethene	10.86	164	126391	51.169	ug/l	98
65) Chlorobenzene	11.66	112	373873	49.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	131471	50.234	ug/l	100
67) Ethyl Benzene	11.73	91	747715	51.740	ug/l	99
68) m/p-Xylenes	11.83	106	537405	103.236	ug/l	98
69) o-Xylene	12.16	106	247028	51.272	ug/l	100
70) Styrene	12.18	104	427444	51.256	ug/l	100
71) Bromoform	12.35	173	65299	50.078	ug/l #	99
73) Isopropylbenzene	12.46	105	707835	52.135	ug/l	99
74) N-amyl acetate	12.27	43	207611	50.613	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	117124	47.056	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	80585m	45.666	ug/l	
77) Bromobenzene	12.74	156	147273	50.140	ug/l	98
78) n-propylbenzene	12.80	91	864454	52.155	ug/l	99
79) 2-Chlorotoluene	12.89	91	473126	50.278	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	587487	51.785	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41045	50.997	ug/l	98
82) 4-Chlorotoluene	12.99	91	498617	50.605	ug/l	100
83) tert-Butylbenzene	13.21	119	503306	52.373	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	581675	51.041	ug/l	100
85) sec-Butylbenzene	13.38	105	724387	52.614	ug/l	100
86) p-Isopropyltoluene	13.50	119	650087	52.871	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	289672	50.421	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	283533	49.704	ug/l	100
89) n-Butylbenzene	13.82	91	656544	53.695	ug/l	99
90) Hexachloroethane	14.09	117	113228	52.488	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	250266	49.657	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20017	47.703	ug/l	96

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QLast Update : Mon Aug 26 07:18:31 2019
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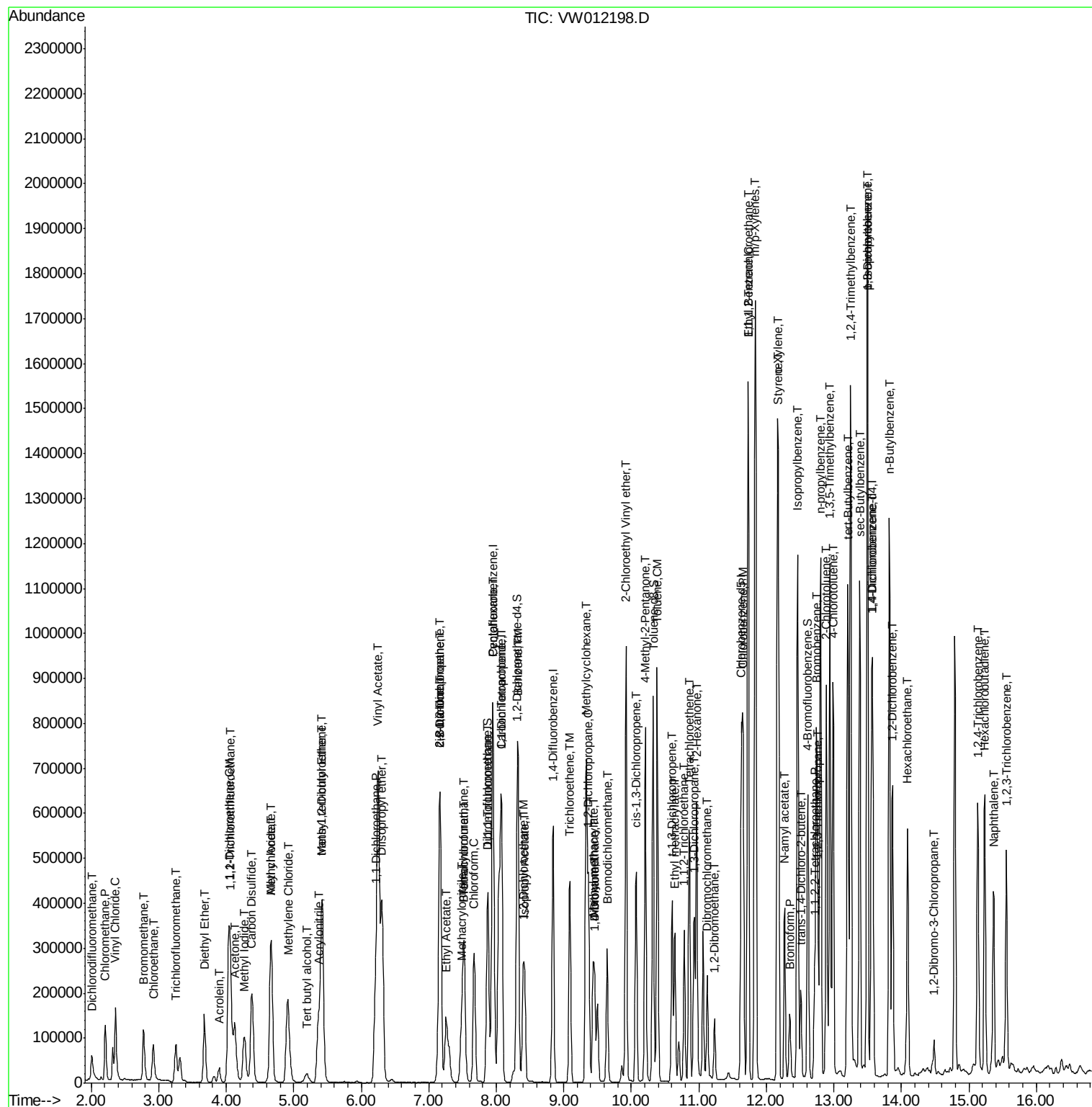
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	188002	53.978	ug/l	99
94) Hexachlorobutadiene	15.24	225	122999	53.483	ug/l	97
95) Naphthalene	15.36	128	337666	49.458	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	163459	53.792	ug/l	99

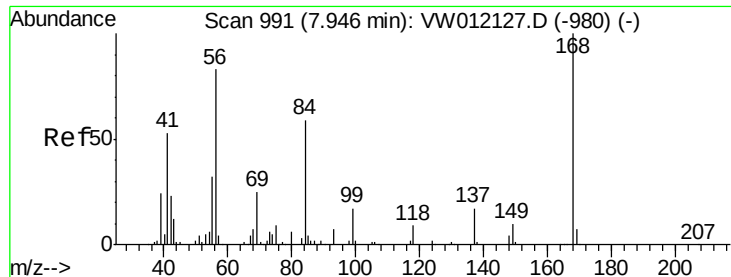
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082719\
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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: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

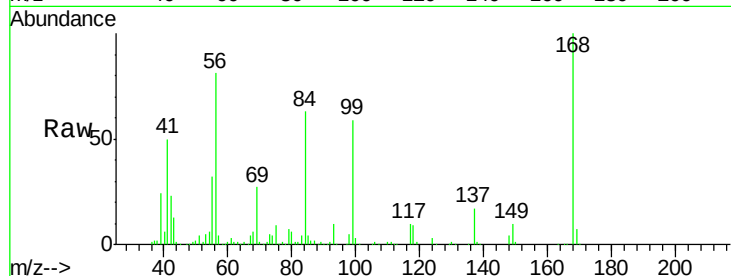
VSTDCCC050

Tot Ion:168 Resp: 282881

Ion Ratio Lower Upper

168 100

99 59.1 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

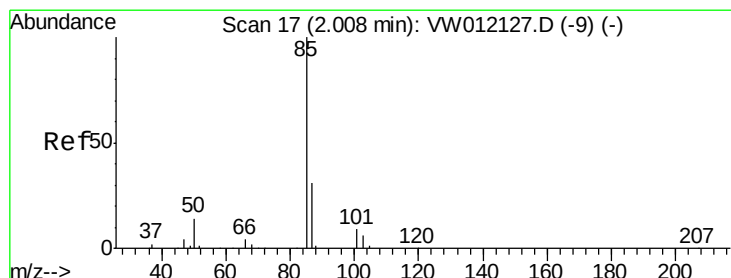
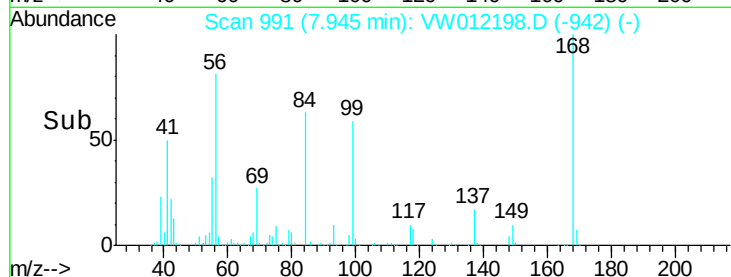
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.040 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012198.D

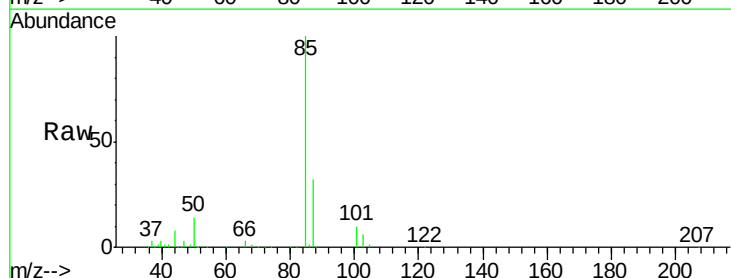
Acq: 27 Aug 2019 08:39

Tgt Ion: 85 Resp: 88902

Ion Ratio Lower Upper

85 100

87 31.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

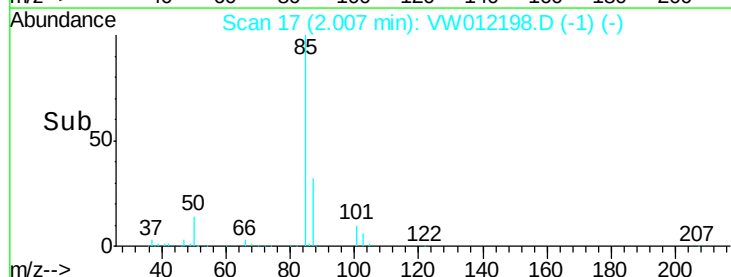
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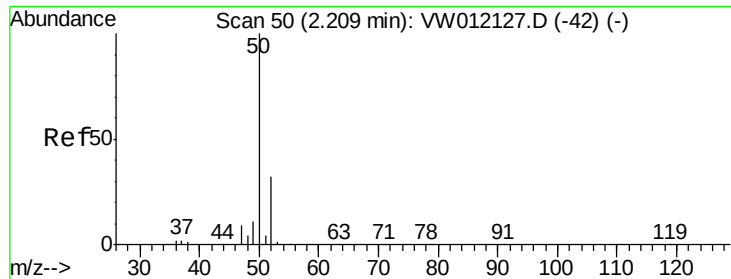
20000

10000

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Time-->





#3

Chloromethane

Concen: 47.192 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

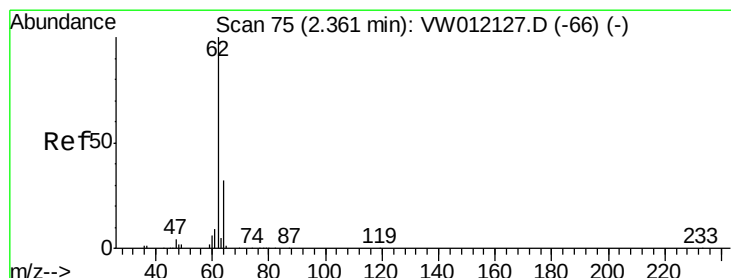
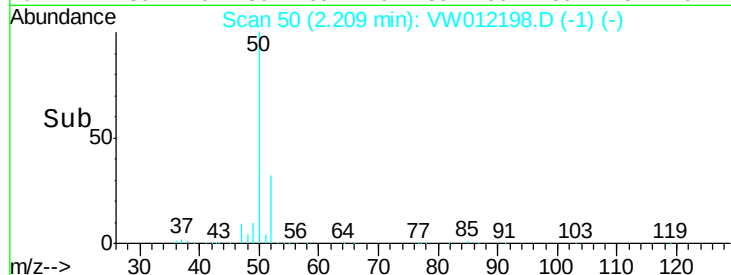
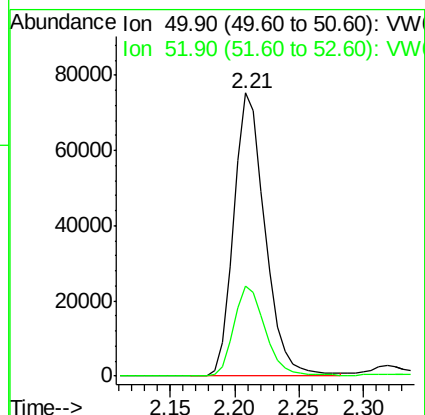
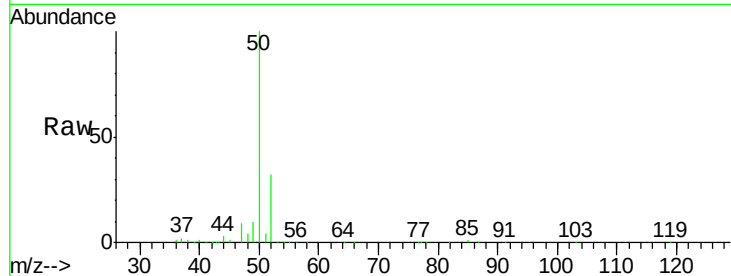
VSTDCCC050

Tot Ion: 50 Resp: 127349

Ion Ratio Lower Upper

50 100

52 32.1 25.5 38.3



#4

Vinyl Chloride

Concen: 50.781 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012198.D

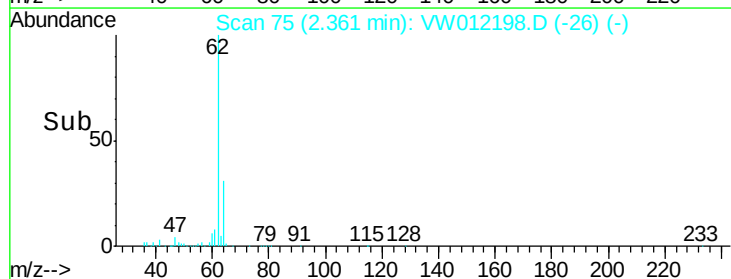
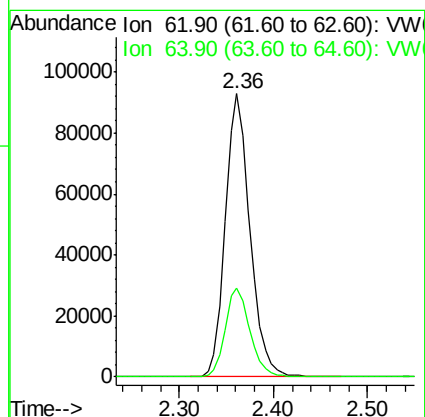
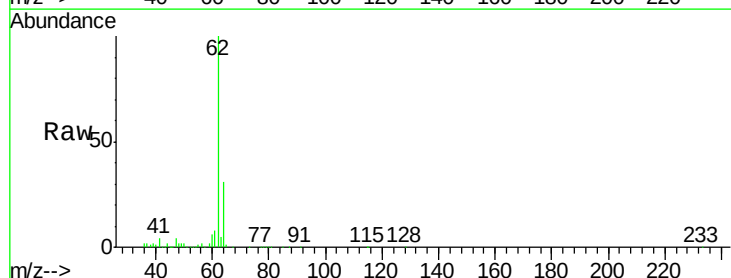
Acq: 27 Aug 2019 08:39

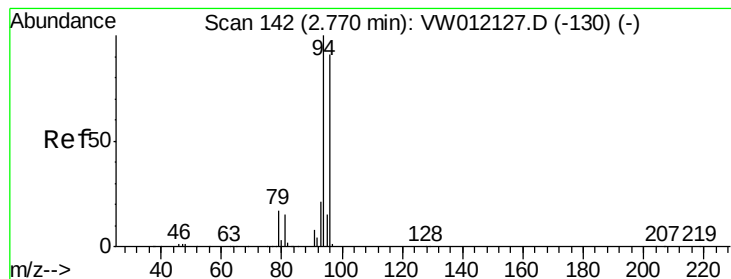
Tgt Ion: 62 Resp: 167725

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 49.372 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

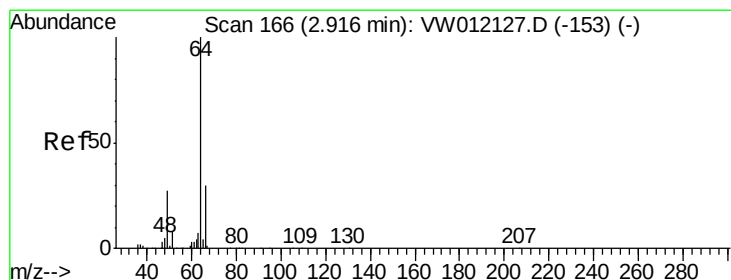
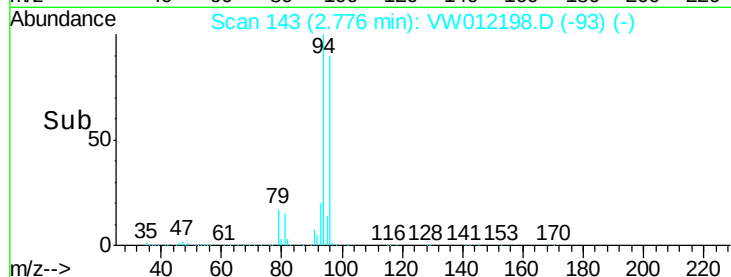
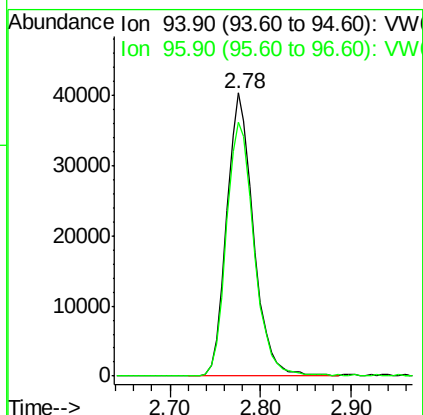
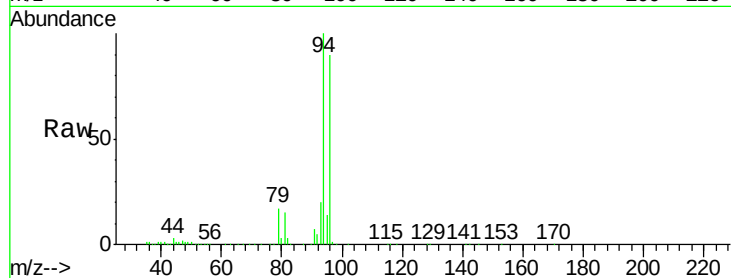
VSTDCCC050

Tot Ion: 94 Resp: 82586

Ion Ratio Lower Upper

94 100

96 89.4 72.9 109.3



#6

Chloroethane

Concen: 50.373 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012198.D

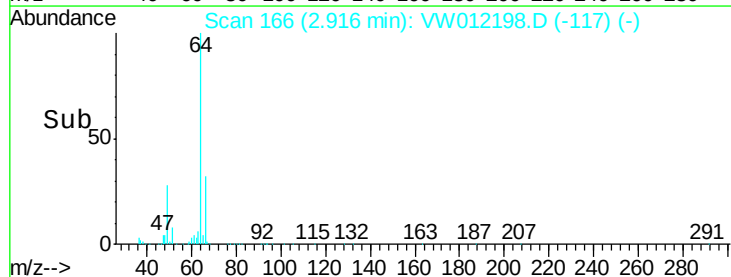
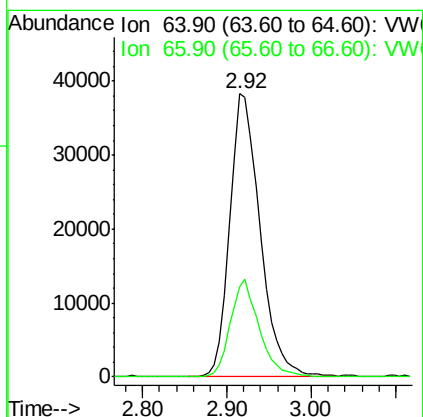
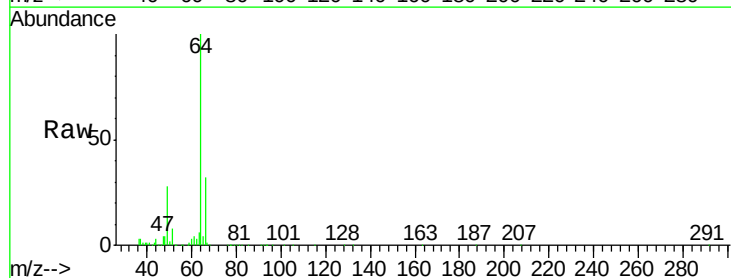
Acq: 27 Aug 2019 08:39

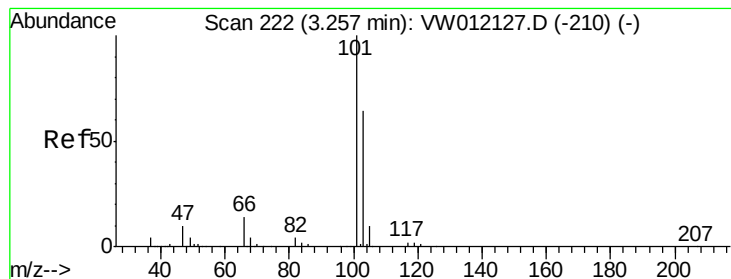
Tgt Ion: 64 Resp: 93858

Ion Ratio Lower Upper

64 100

66 32.0 23.8 35.8



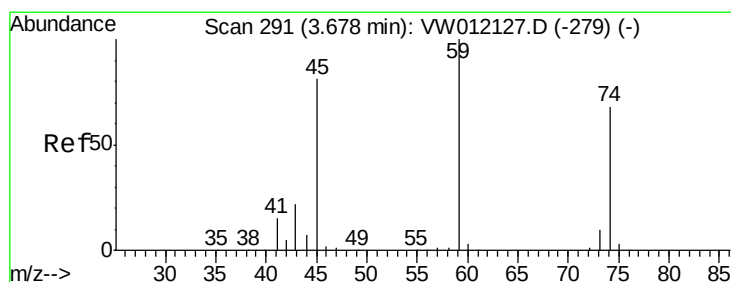
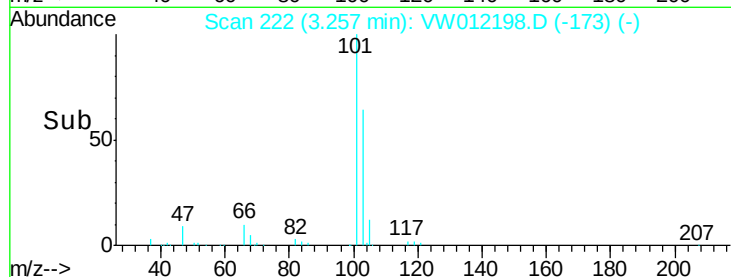
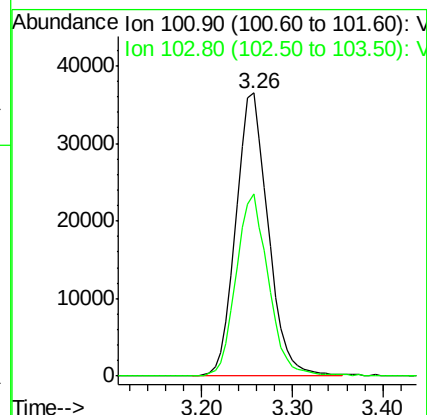
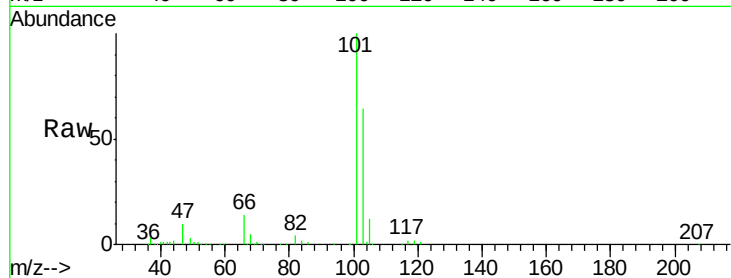


#7

Trichlorofluoromethane
 Concen: 54.506 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

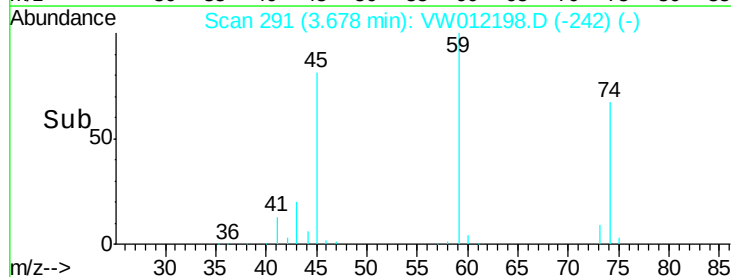
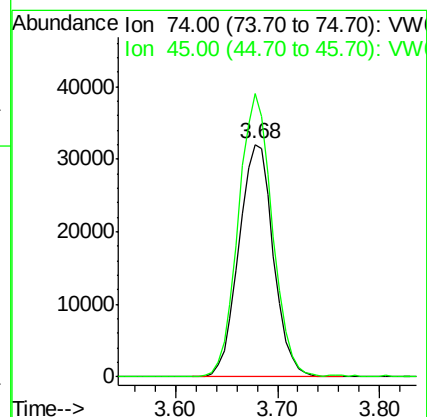
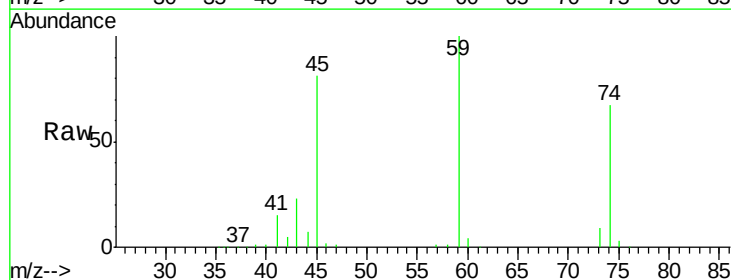
Tot Ion:101 Resp: 90398
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

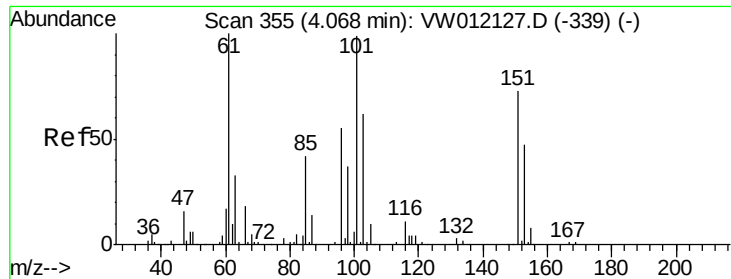


#8

Diethyl Ether
 Concen: 47.701 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Tgt Ion: 74 Resp: 75092
 Ion Ratio Lower Upper
 74 100
 45 120.4 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.188 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

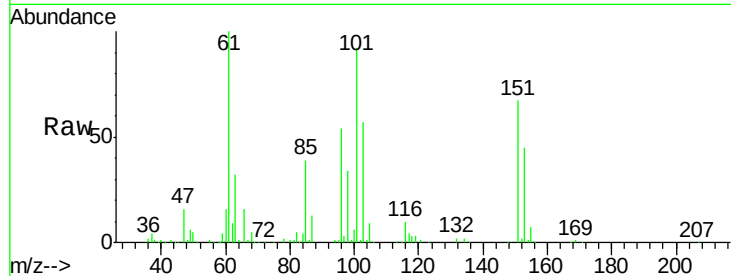
Tot Ion:101 Resp: 141486

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

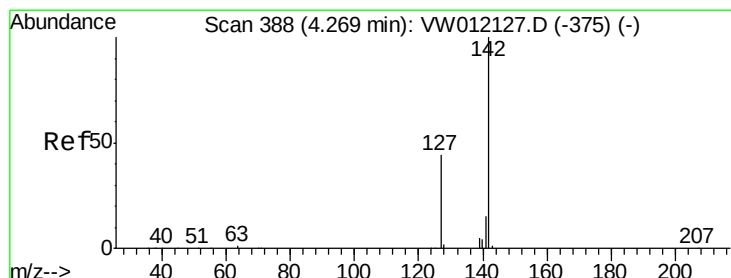
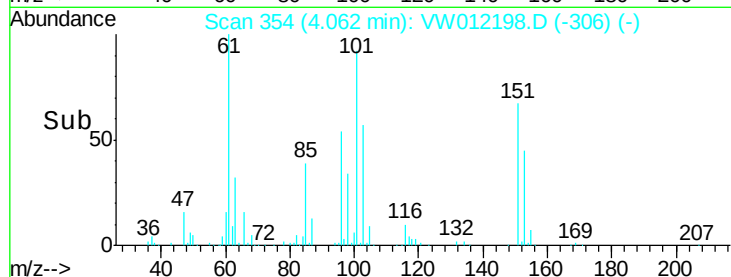
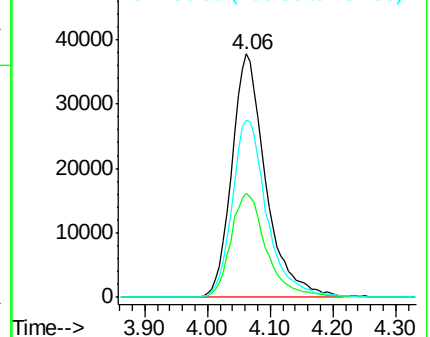
151 74.6 58.6 87.8



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: 50.880 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

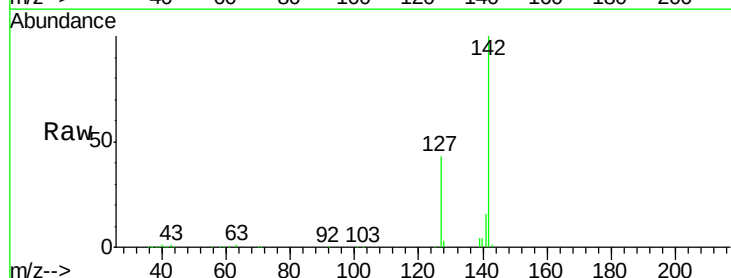
Tgt Ion:142 Resp: 194071

Ion Ratio Lower Upper

142 100

127 43.7 35.5 53.3

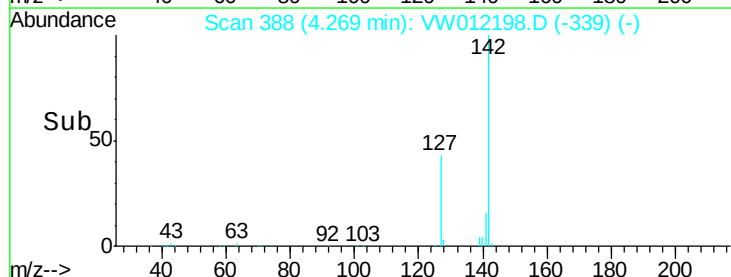
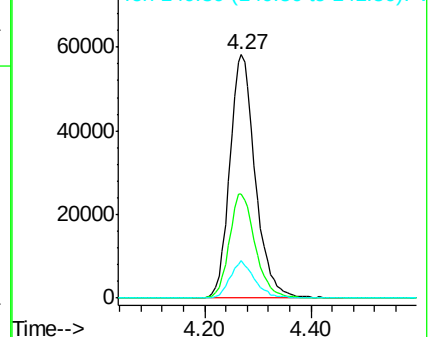
141 14.8 11.8 17.8

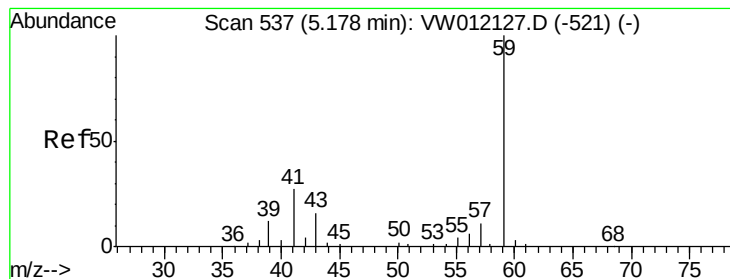


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



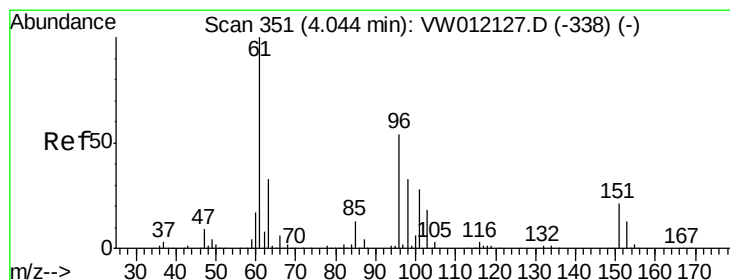
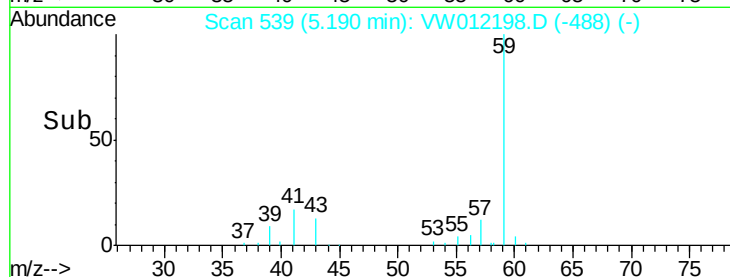
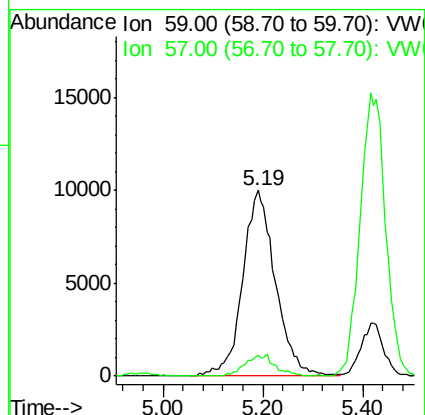
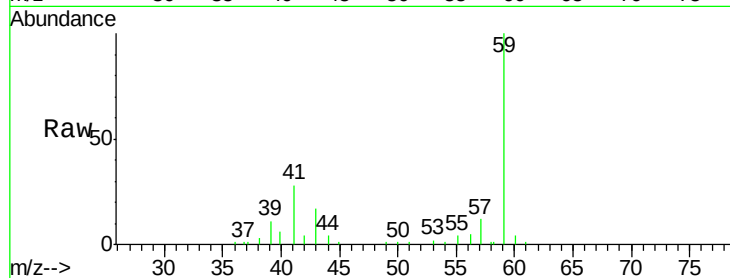


#11

Tert butyl alcohol
 Concen: 225.553 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

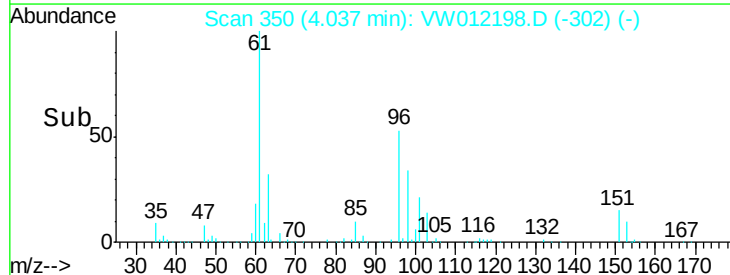
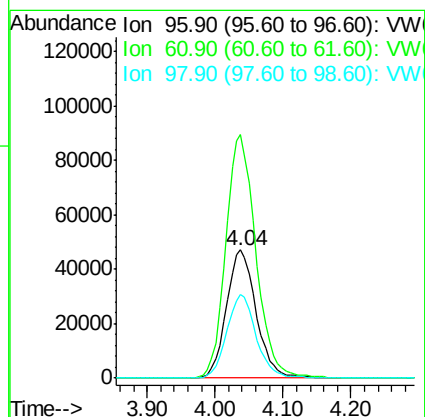
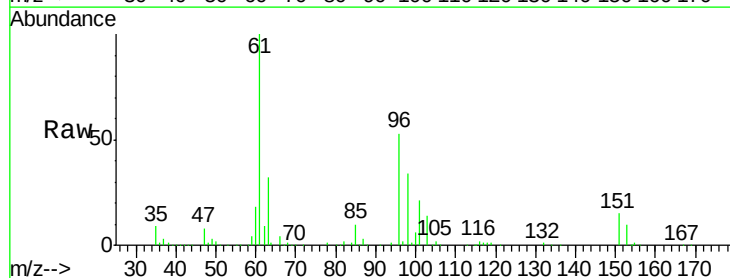
Tot Ion: 59 Resp: 45645
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.4

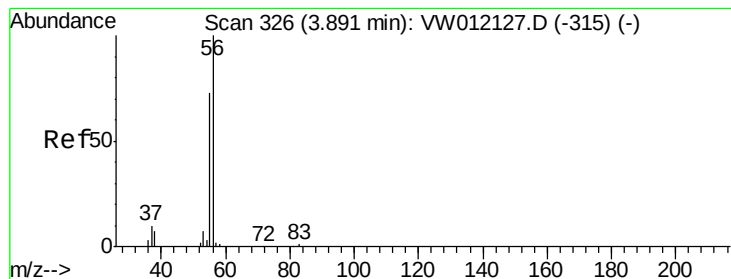


#12

1,1-Dichloroethene
 Concen: 50.271 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Tgt Ion: 96 Resp: 142640
 Ion Ratio Lower Upper
 96 100
 61 189.5 149.1 223.7
 98 64.8 49.4 74.2





#13

Acrolein

Concen: 210.163 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

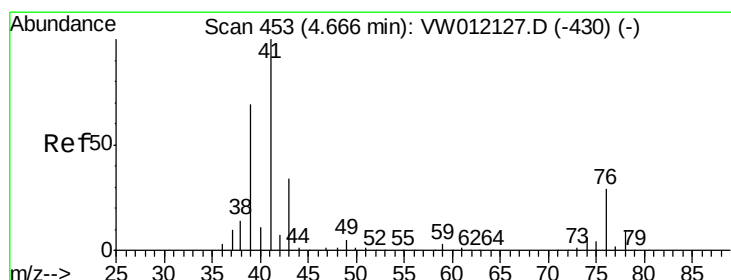
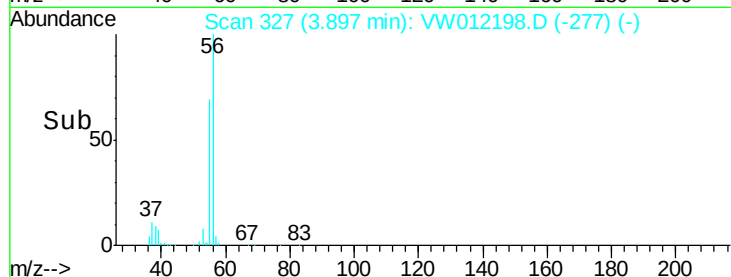
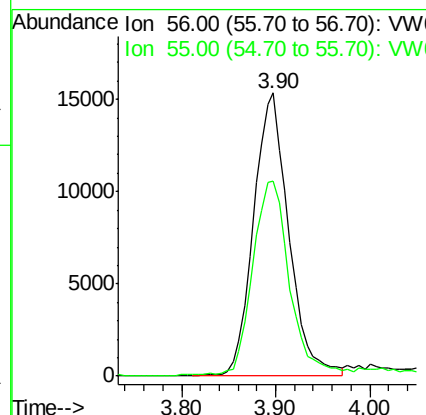
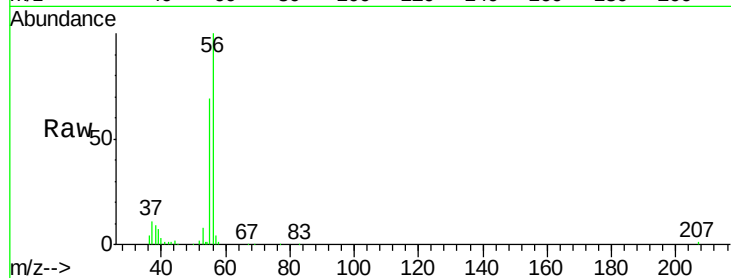
VSTDCCC050

Tot Ion: 56 Resp: 40035

Ion Ratio Lower Upper

56 100

55 73.1 55.8 83.8



#14

Allyl chloride

Concen: 52.258 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

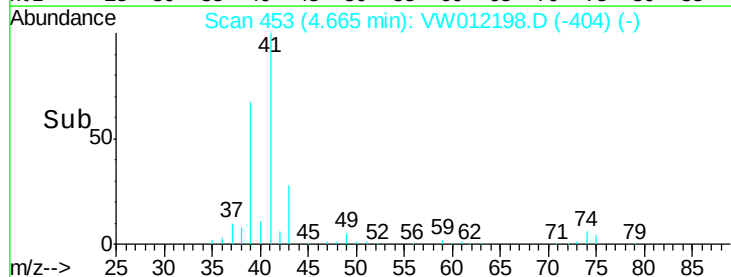
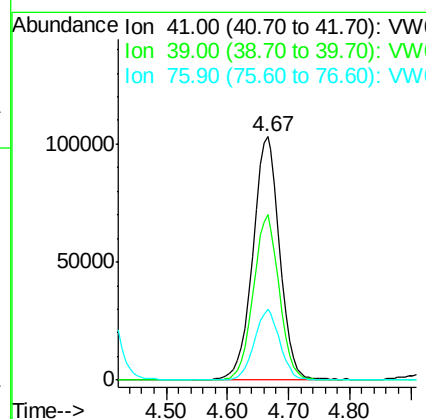
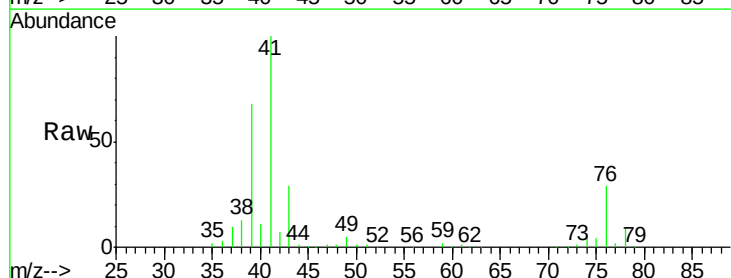
Tgt Ion: 41 Resp: 316997

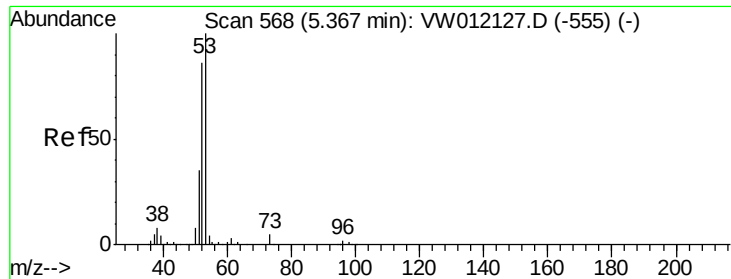
Ion Ratio Lower Upper

41 100

39 65.6 53.4 80.2

76 27.4 22.1 33.1





#15

Acrylonitrile

Concen: 229.792 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

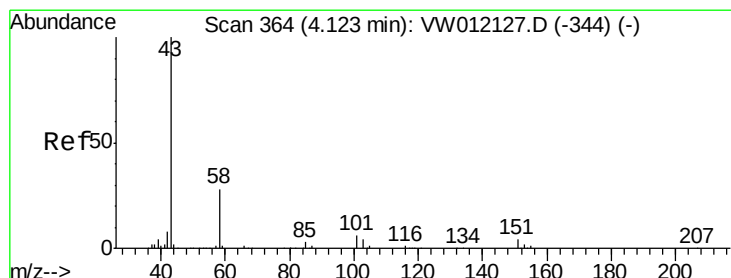
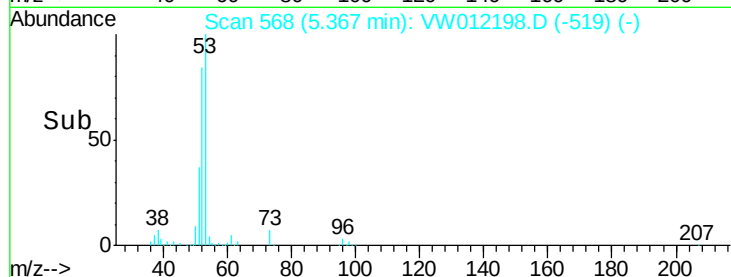
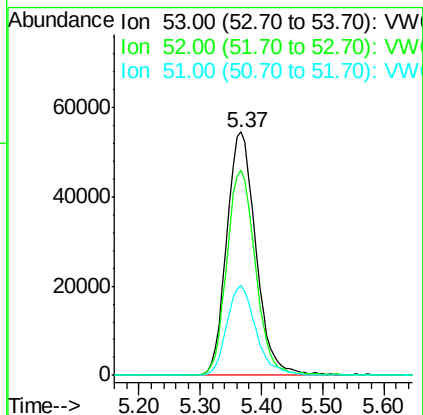
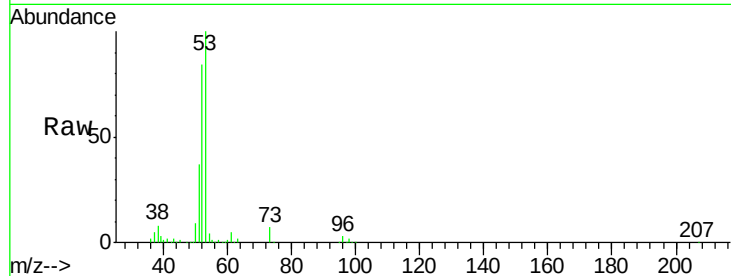
Tot Ion: 53 Resp: 179303

Ion Ratio Lower Upper

53 100

52 82.7 66.7 100.1

51 36.8 30.1 45.1



#16

Acetone

Concen: 248.449 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012198.D

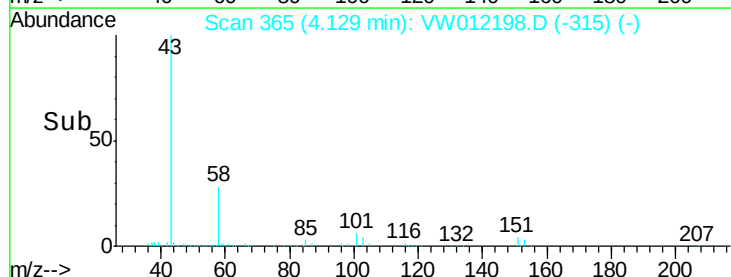
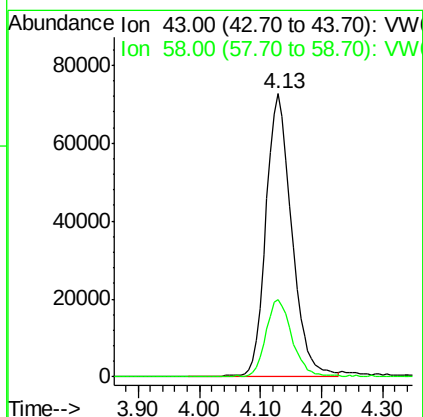
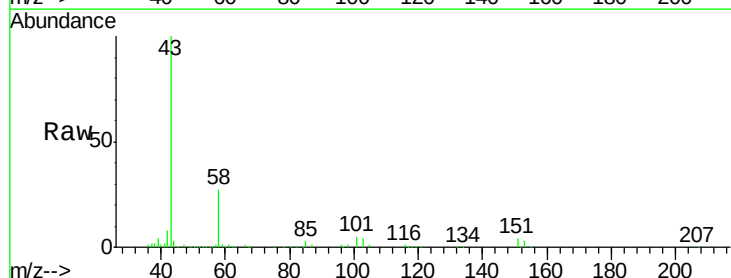
Acq: 27 Aug 2019 08:39

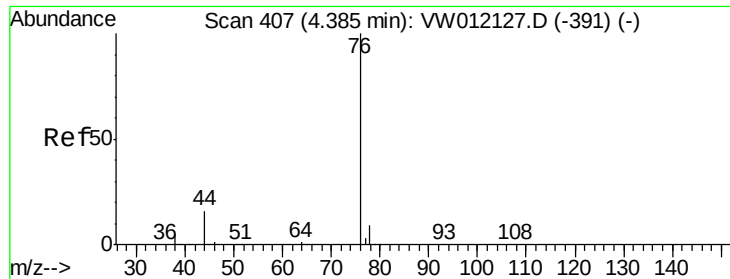
Tgt Ion: 43 Resp: 213565

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6

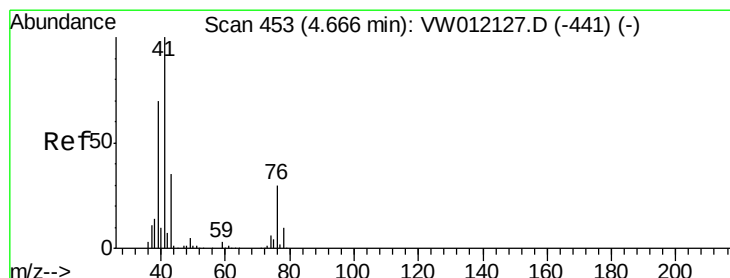
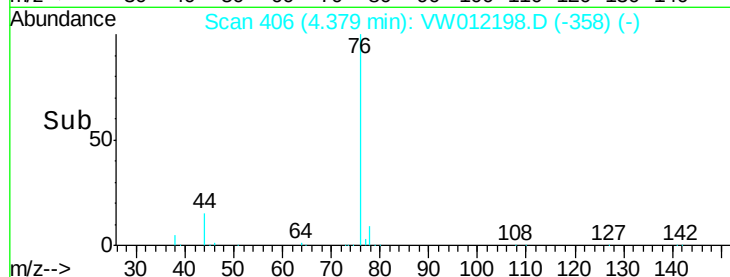
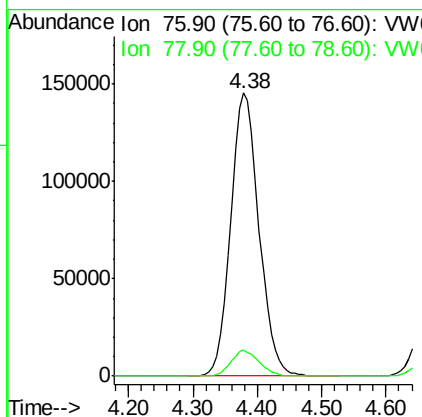
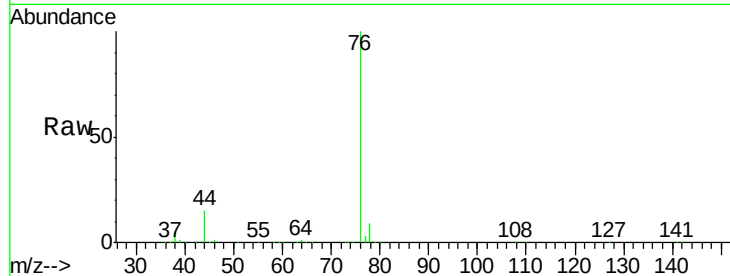




#17
Carbon Disulfide
Concen: 51.830 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

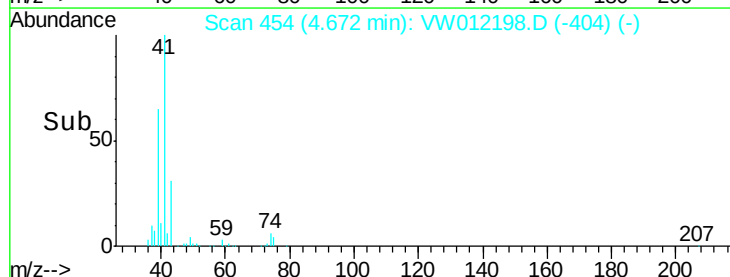
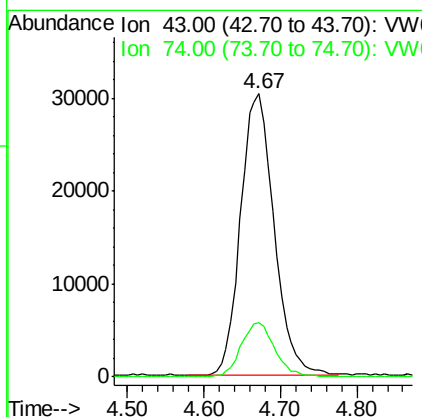
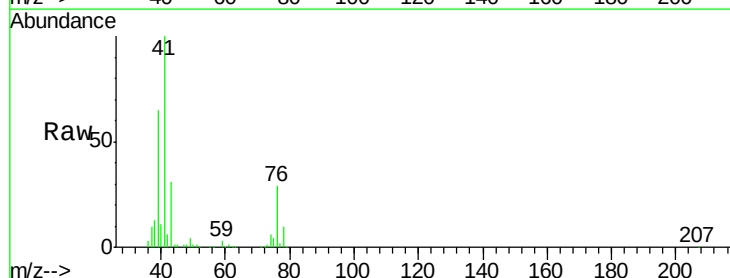
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

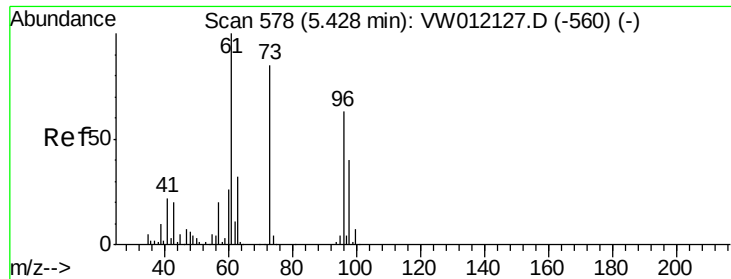
Tot Ion: 76 Resp: 444458
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 43.412 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion: 43 Resp: 92427
Ion Ratio Lower Upper
43 100
74 19.3 15.7 23.5

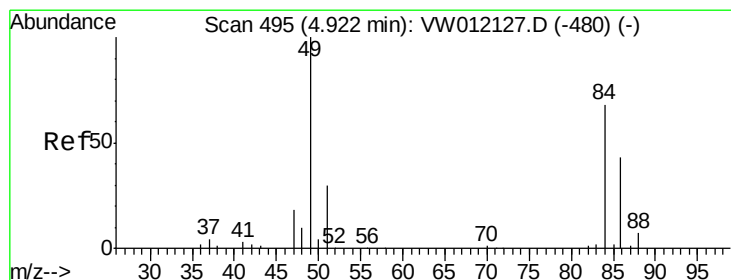
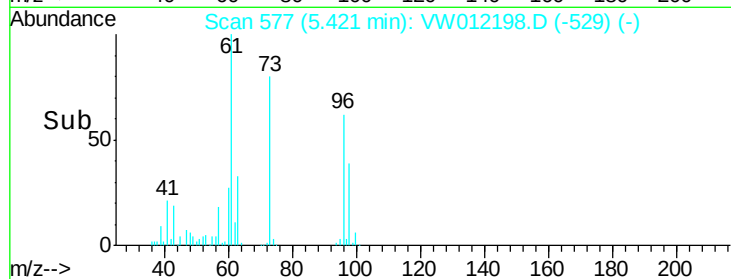
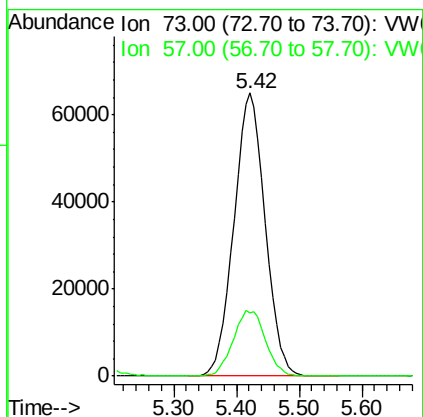
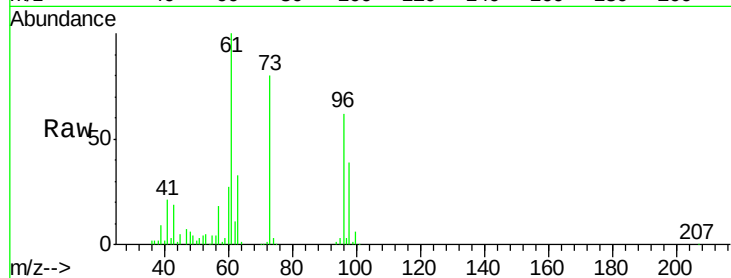




#19
Methyl tert-butyl Ether
Concen: 48.646 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

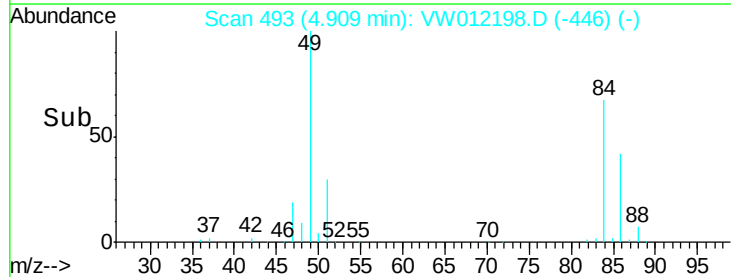
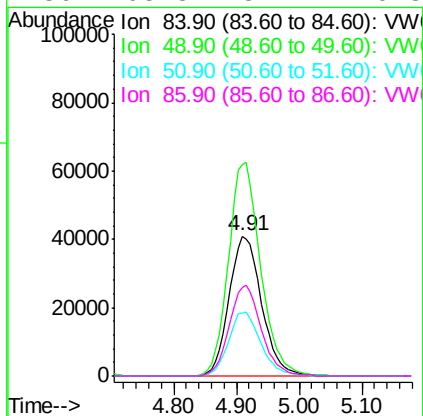
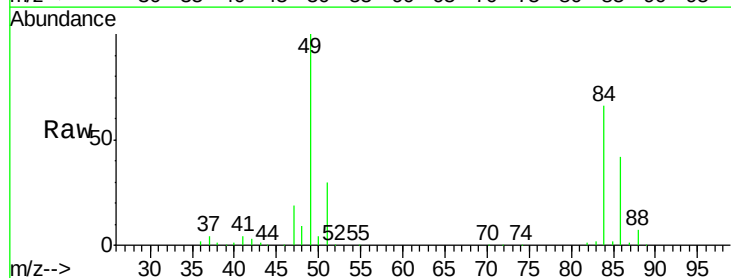
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

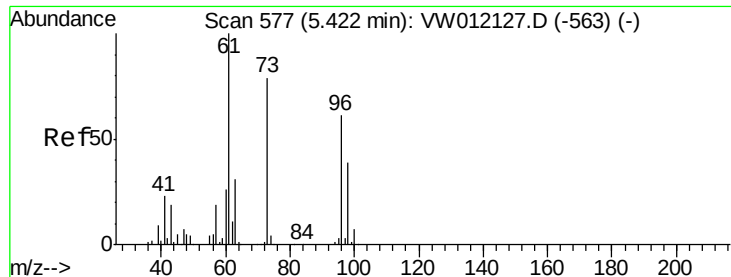
Tot Ion: 73 Resp: 223214
Ion Ratio Lower Upper
73 100
57 22.5 18.9 28.3



#20
Methylene Chloride
Concen: 45.342 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion: 84 Resp: 147345
Ion Ratio Lower Upper
84 100
49 151.0 117.8 176.8
51 44.8 35.6 53.4
86 63.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 49.726 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

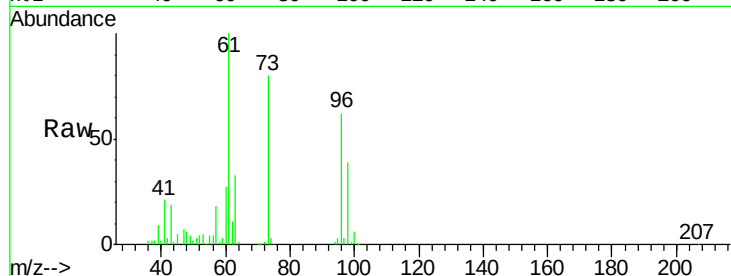
Tot Ion: 96 Resp: 151303

Ion Ratio Lower Upper

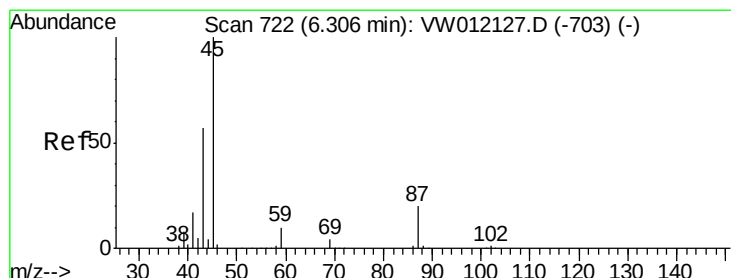
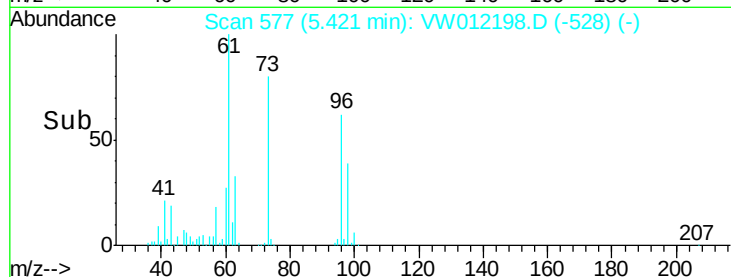
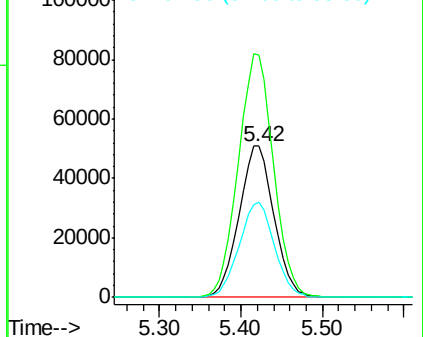
96 100

61 160.3 131.4 197.0

98 63.0 51.4 77.0



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



#22

Diisopropyl ether

Concen: 49.226 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Tgt Ion: 45 Resp: 553498

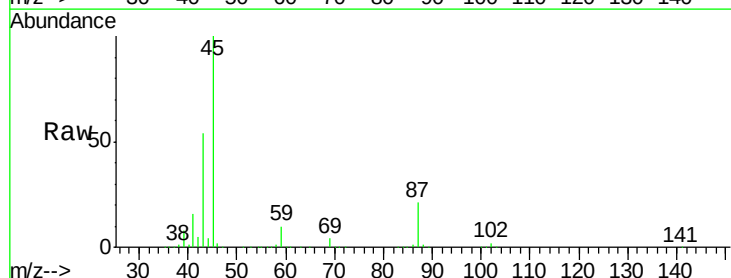
Ion Ratio Lower Upper

45 100

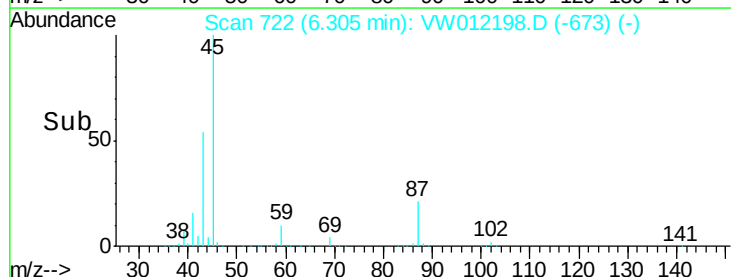
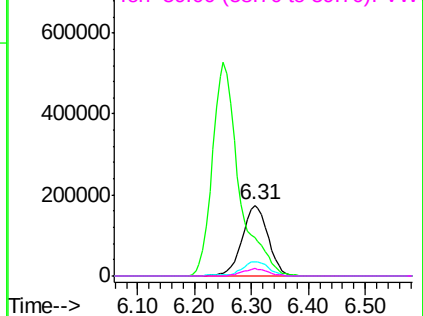
43 53.7 45.5 68.3

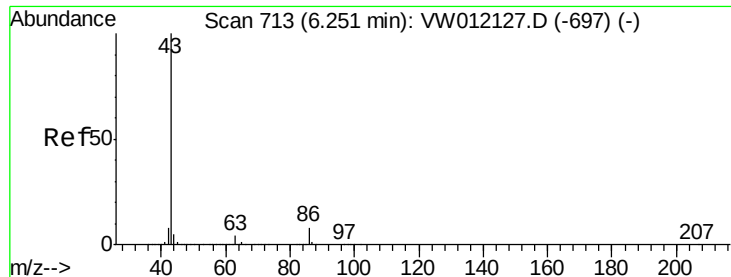
87 20.7 16.1 24.1

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: 247.372 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

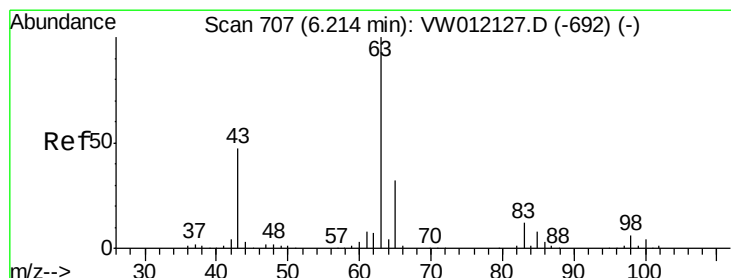
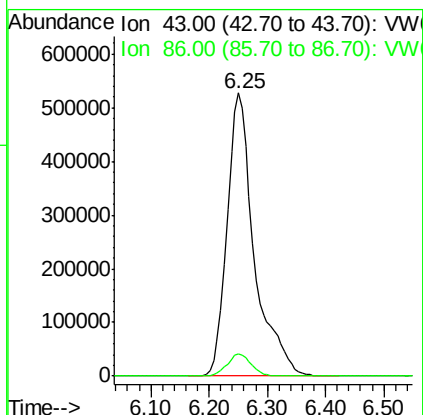
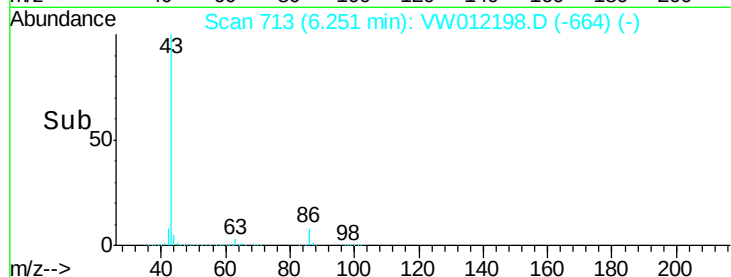
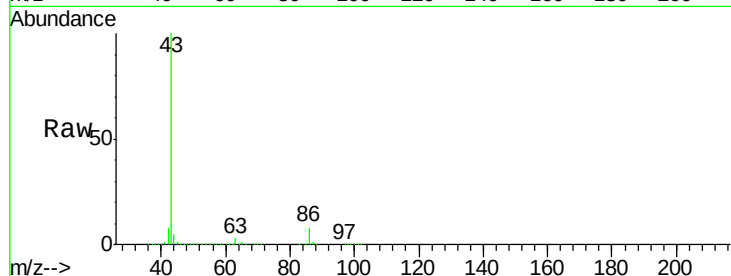
VSTDCCC050

Tot Ion: 43 Resp: 1711733

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 49.230 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

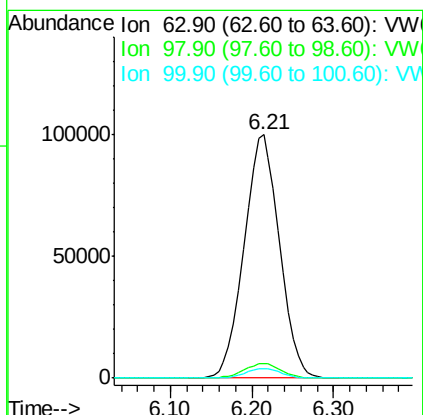
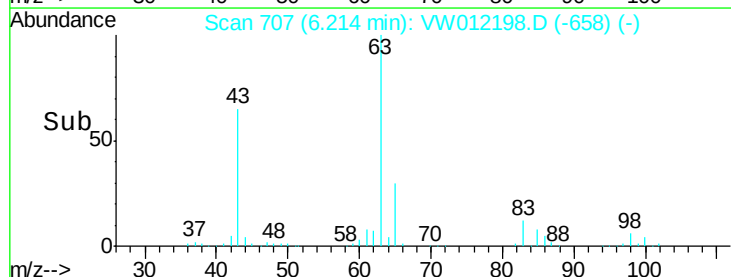
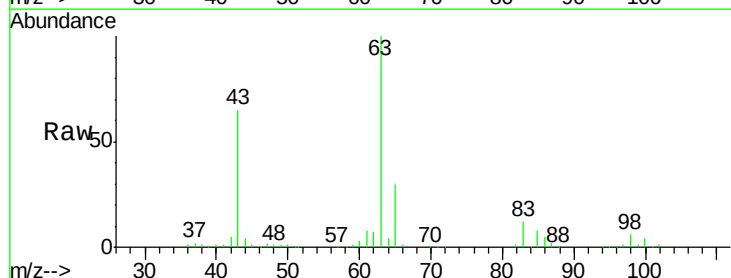
Tgt Ion: 63 Resp: 301392

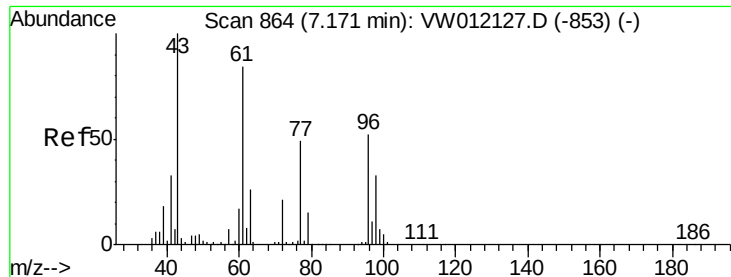
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 235.799 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

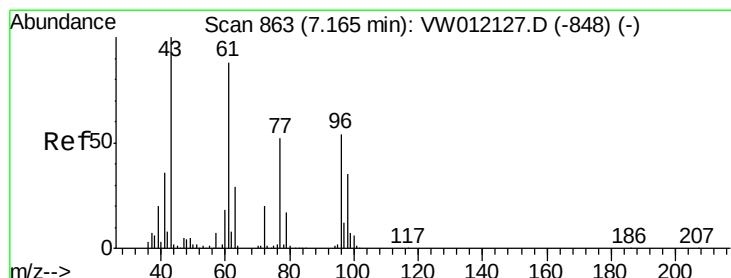
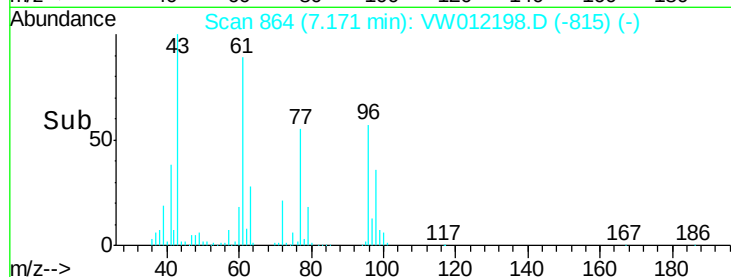
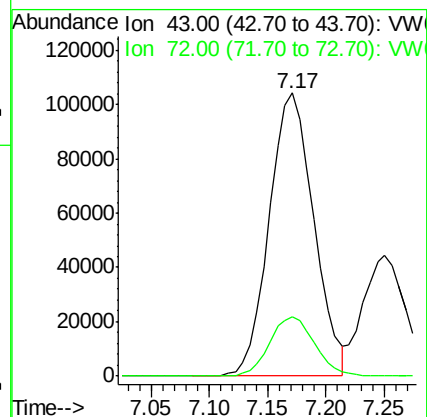
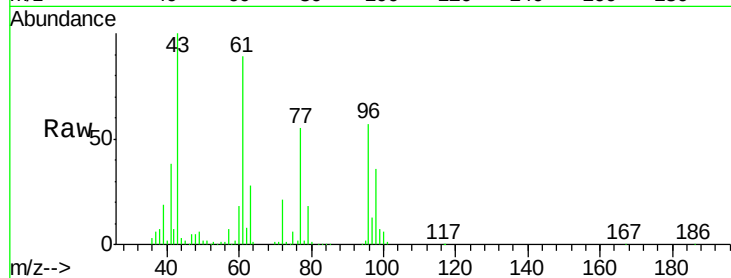
VSTDCCC050

Tot Ion: 43 Resp: 275434

Ion Ratio Lower Upper

43 100

72 21.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 52.066 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012198.D

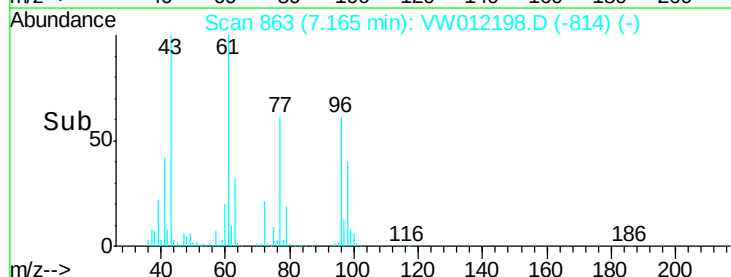
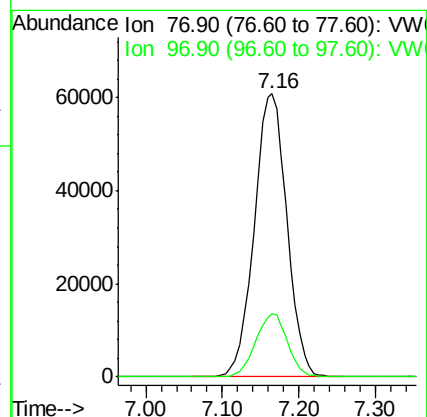
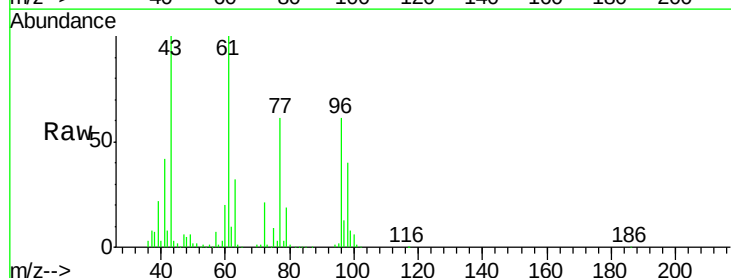
Acq: 27 Aug 2019 08:39

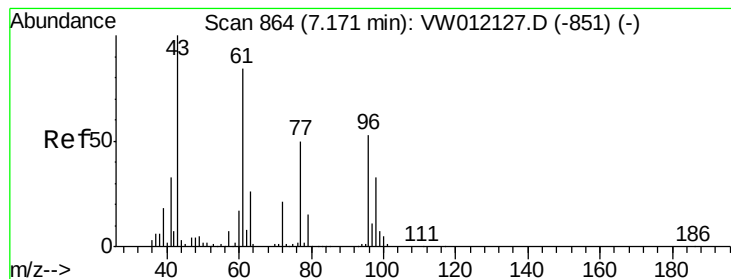
Tgt Ion: 77 Resp: 180419

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.1



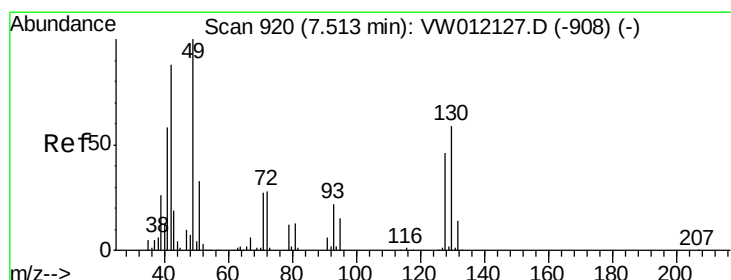
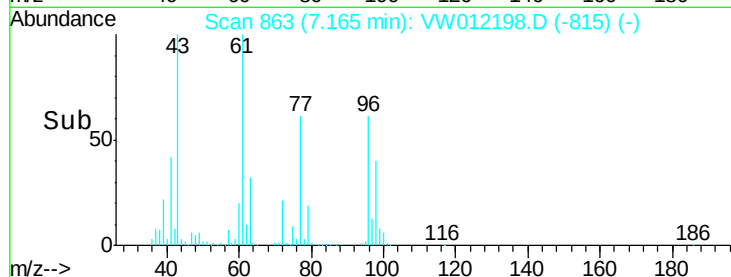
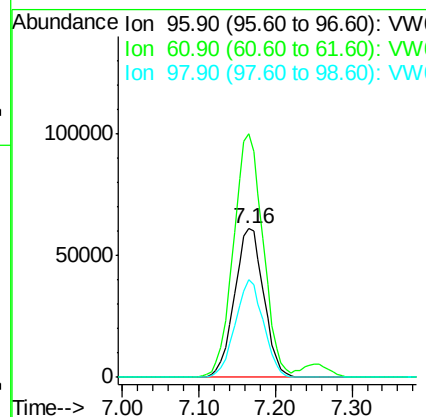
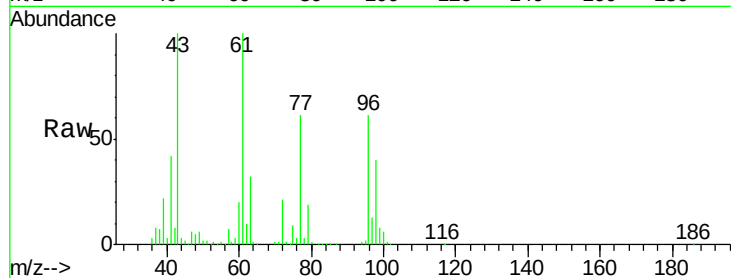


#27

cis-1,2-Dichloroethene
Concen: 49.619 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

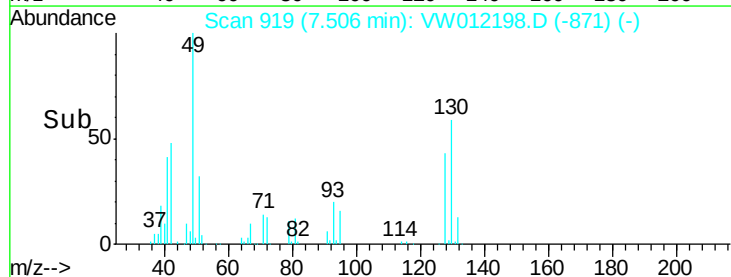
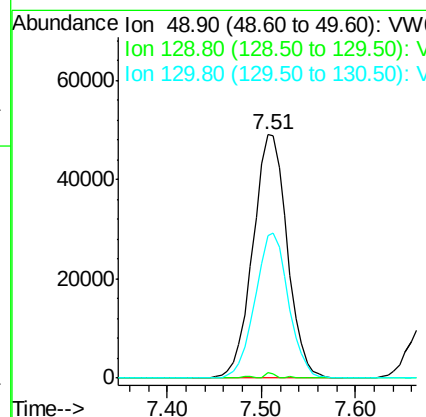
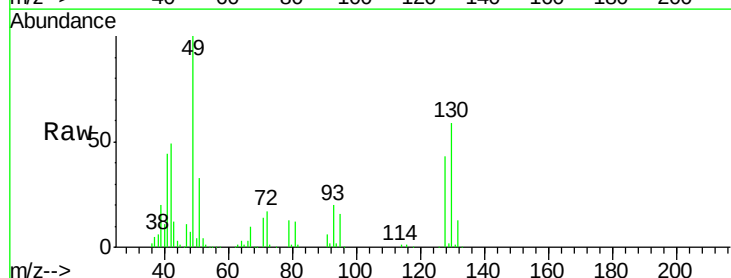
Tot Ion	96	Resp	161304
Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	326.6
98	63.6	0.0	127.4

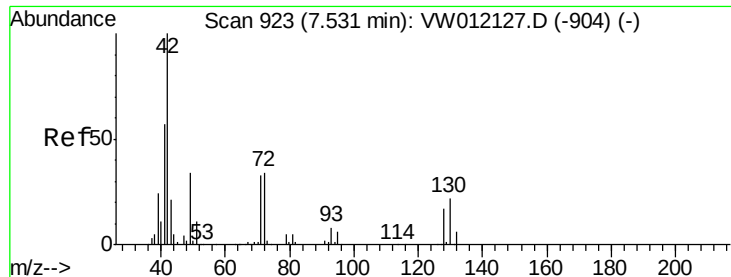


#28

Bromochloromethane
Concen: 46.882 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion	49	Resp	125096
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.4
130	58.1	45.5	68.3

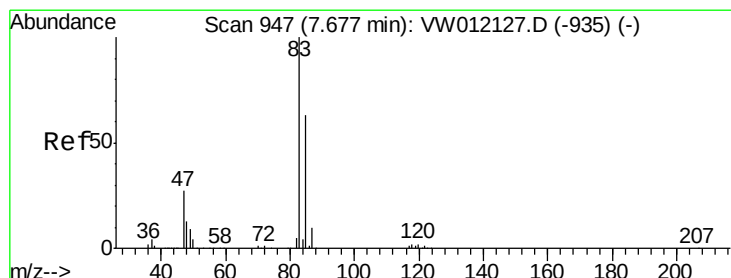
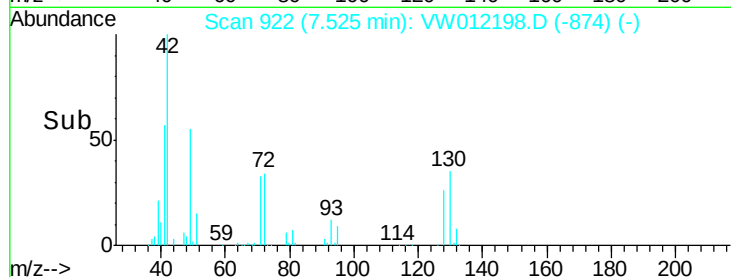
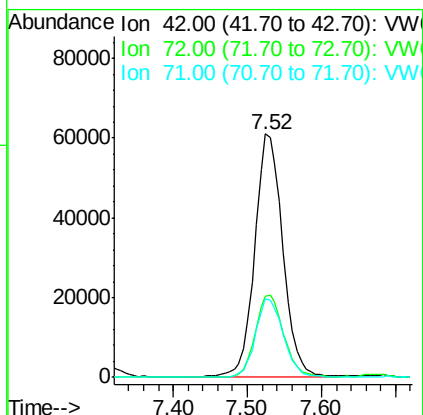
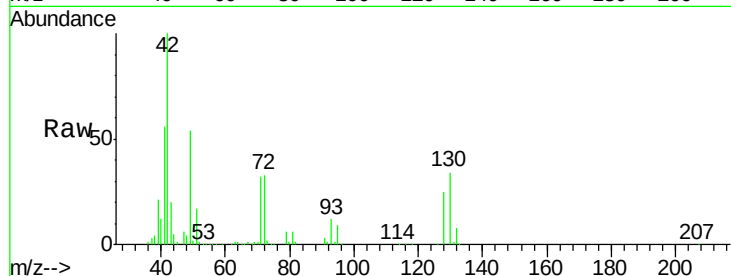




#29
Tetrahydrofuran
Concen: 230.818 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

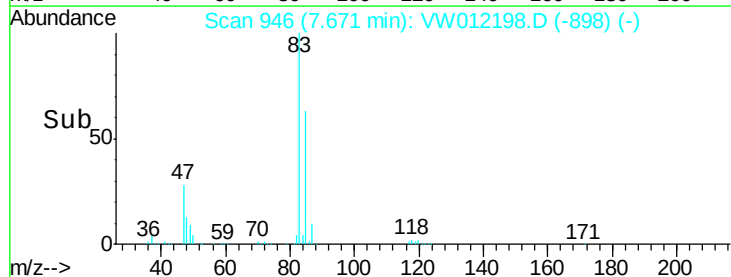
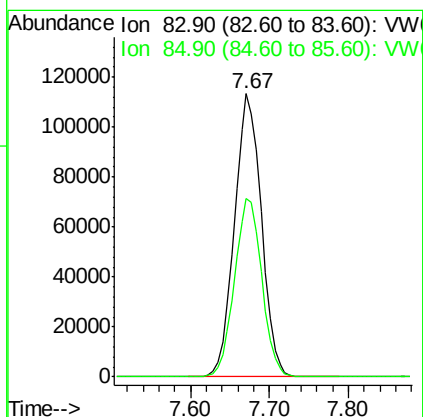
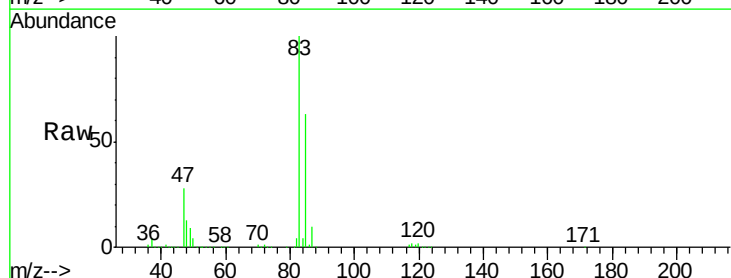
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

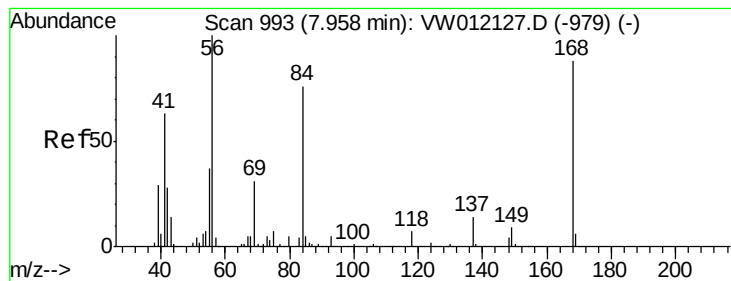
Tot Ion: 42 Resp: 161758
Ion Ratio Lower Upper
42 100
72 34.1 27.3 40.9
71 32.0 25.5 38.3



#30
Chloroform
Concen: 48.026 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion: 83 Resp: 268998
Ion Ratio Lower Upper
83 100
85 63.1 50.6 76.0





#31

Cyclohexane

Concen: 48.007 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

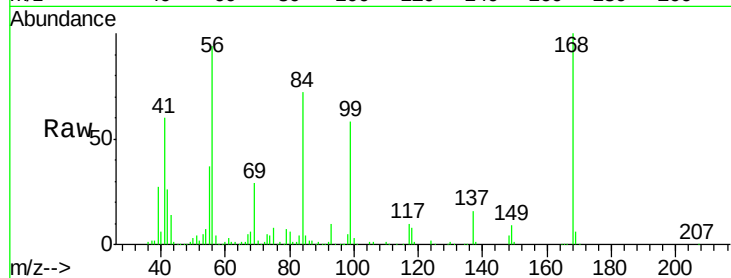
Tot Ion: 56 Resp: 290777

Ion Ratio Lower Upper

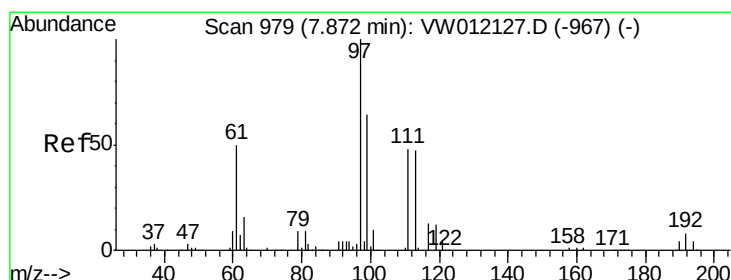
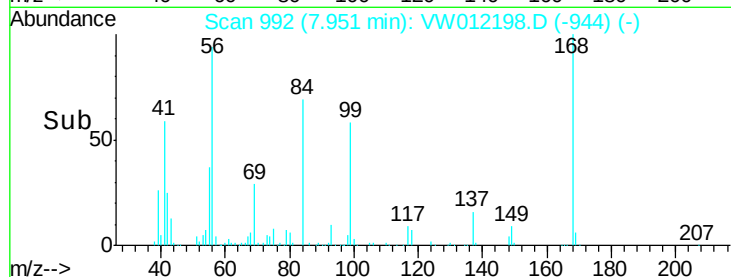
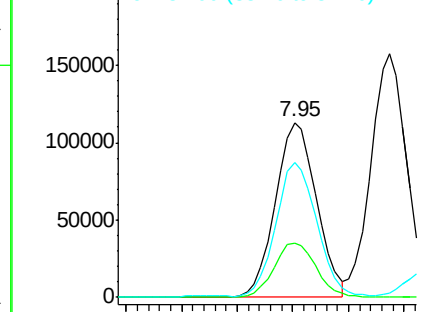
56 100

69 31.0 24.9 37.3

84 75.8 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 49.846 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

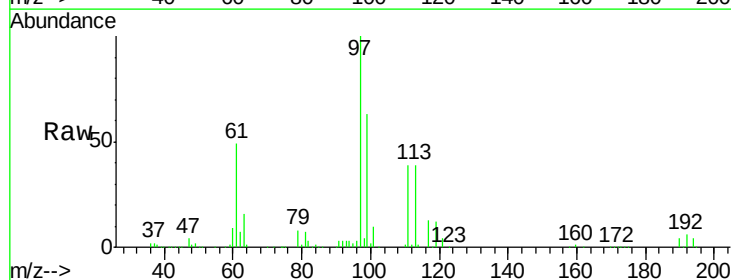
Tgt Ion: 97 Resp: 220862

Ion Ratio Lower Upper

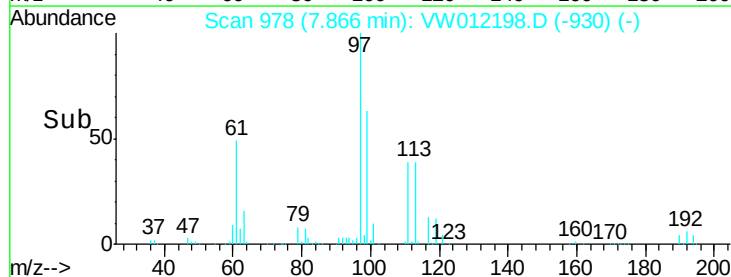
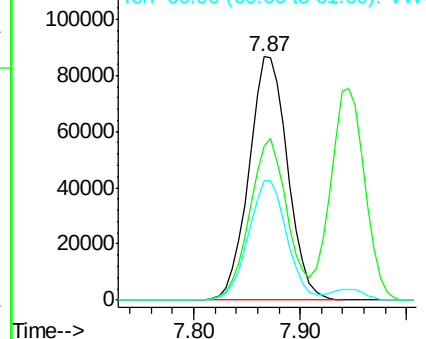
97 100

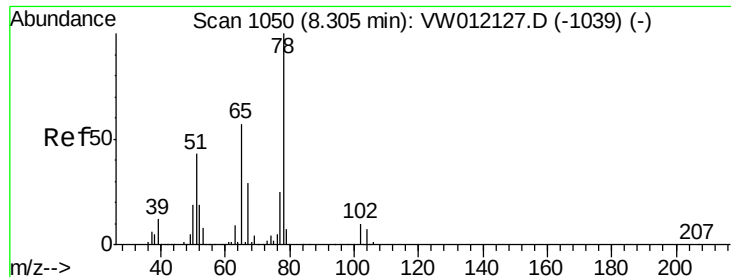
99 64.6 51.4 77.0

61 48.6 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

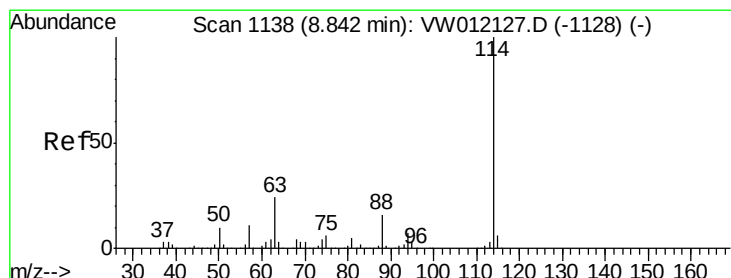
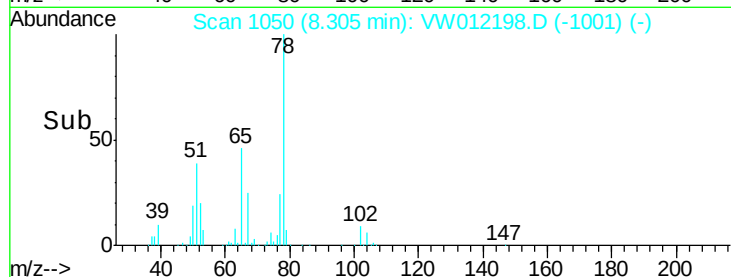
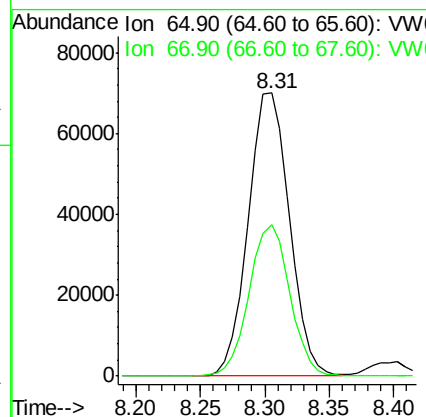
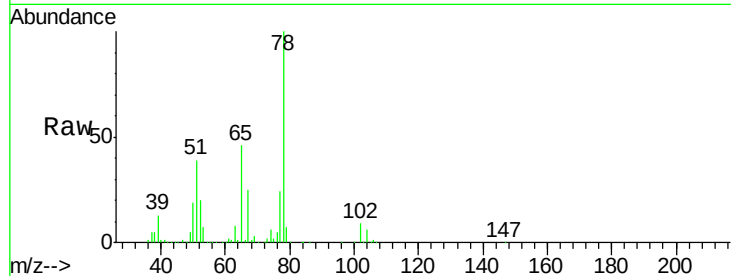




#33
 1,2-Dichloroethane-d4
 Concen: 46.207 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

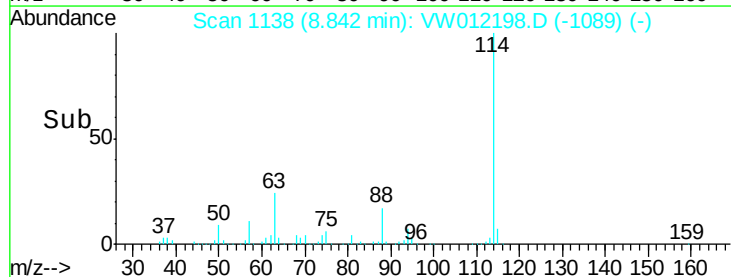
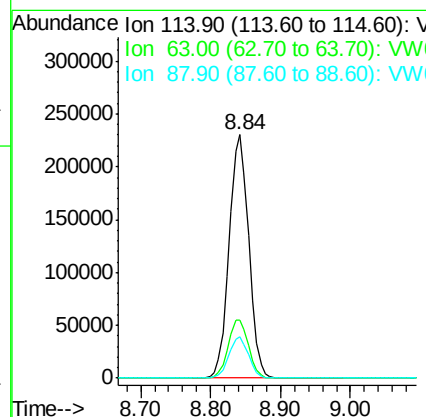
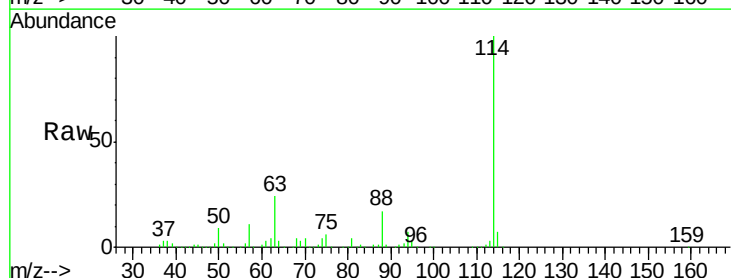
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

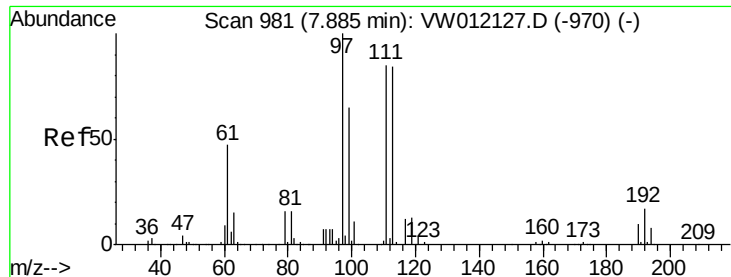
Tot Ion: 65 Resp: 155382
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Tgt Ion: 114 Resp: 448053
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.583 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

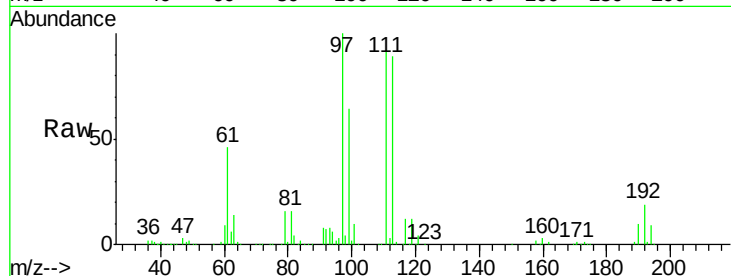
Tot Ion:113 Resp: 129933

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

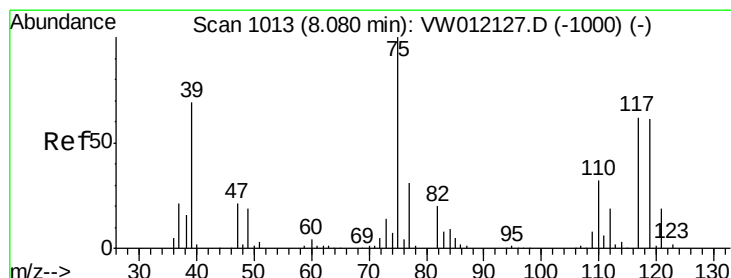
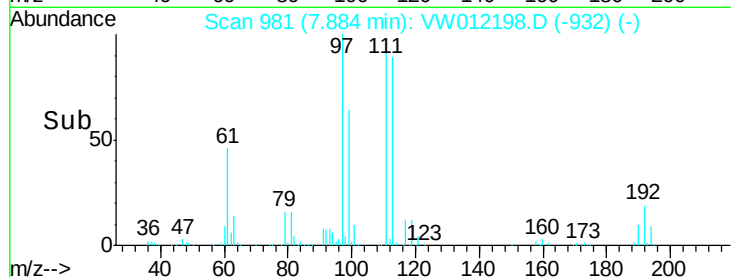
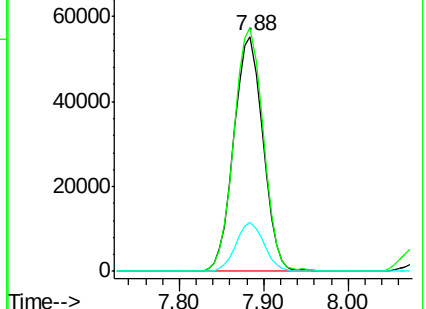
192 20.1 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.828 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

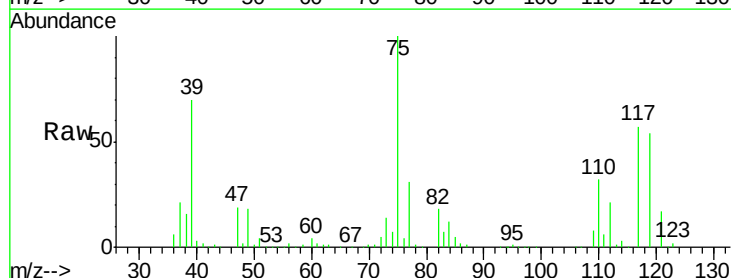
Tgt Ion: 75 Resp: 235338

Ion Ratio Lower Upper

75 100

110 31.5 15.6 46.8

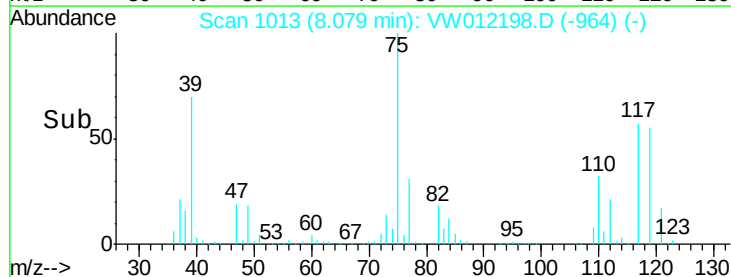
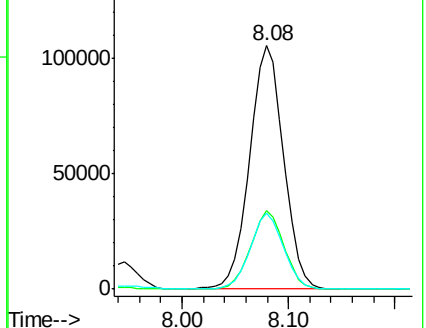
77 30.9 24.6 36.8

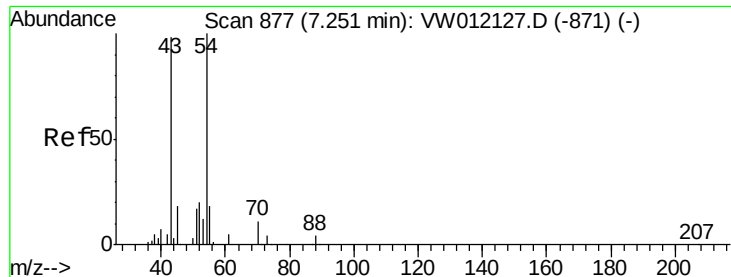


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

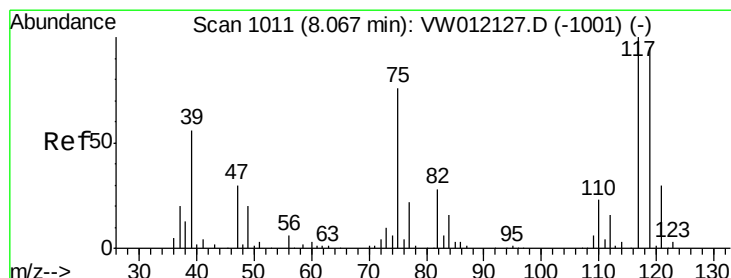
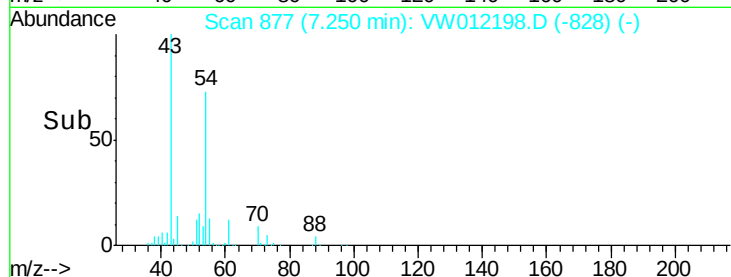
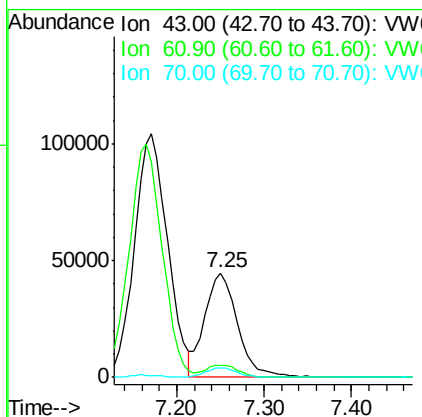
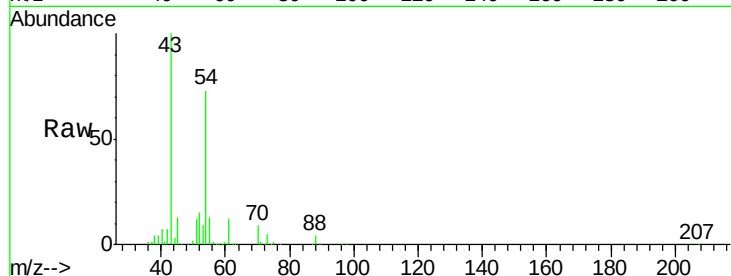




#37
Ethyl Acetate
Concen: 45.749 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

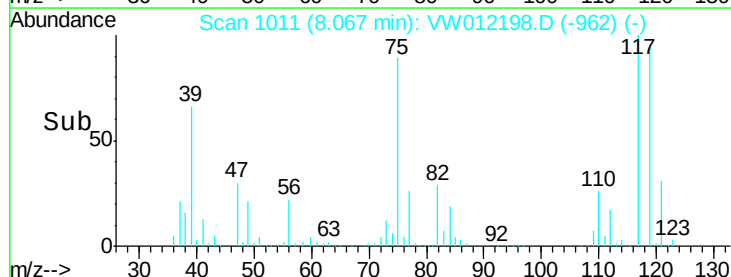
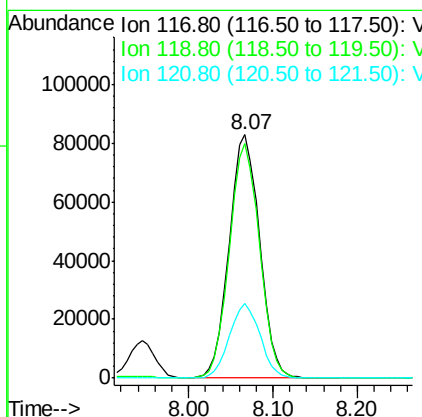
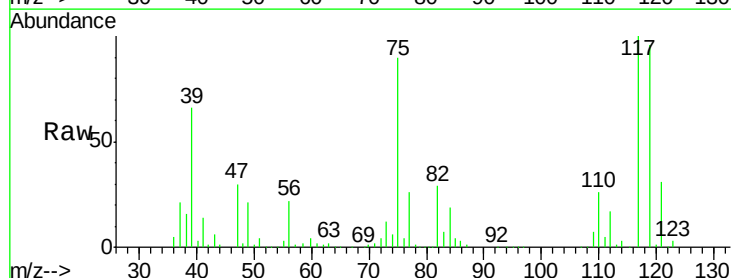
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

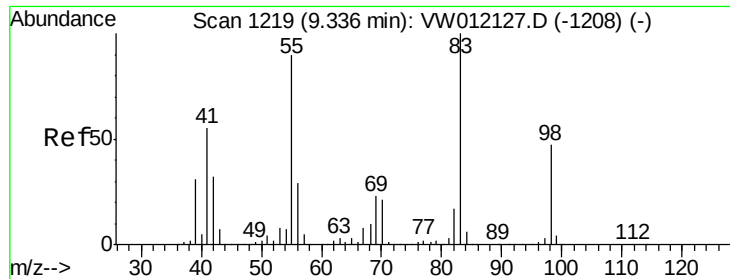
Tot Ion: 43 Resp: 116077
Ion Ratio Lower Upper
43 100
61 11.6 9.2 13.8
70 8.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 50.687 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion: 117 Resp: 203127
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.2
121 30.8 23.8 35.8

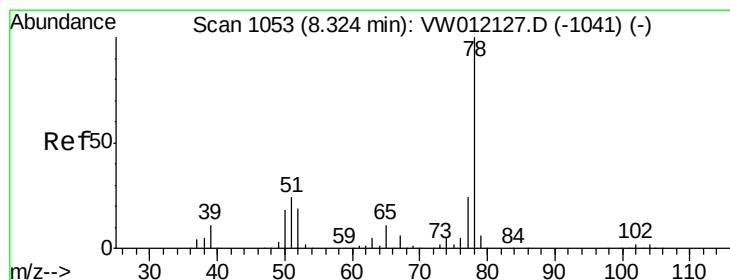
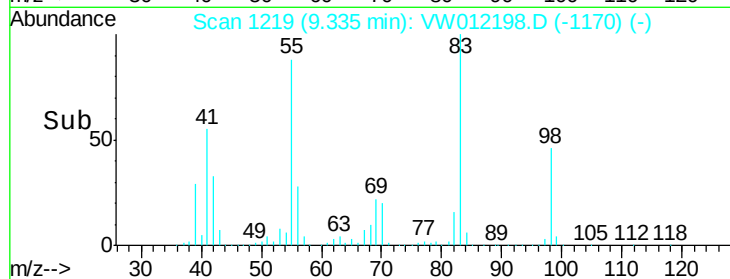
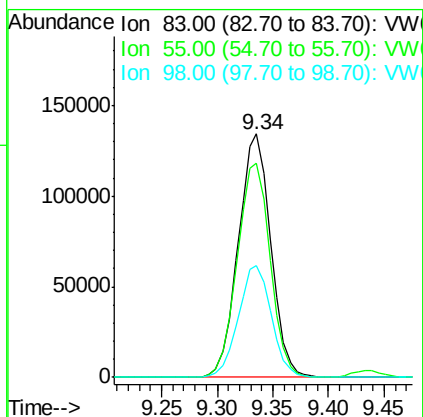
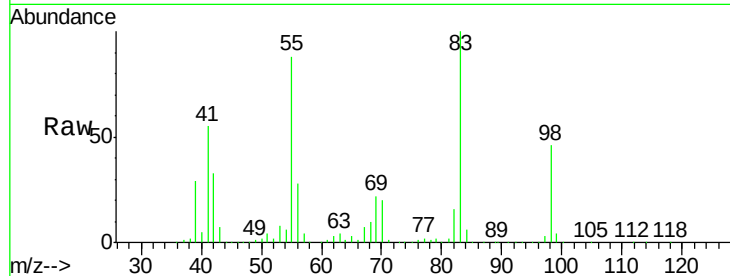




#39
Methylvlcyclohexane
Concen: 52.185 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

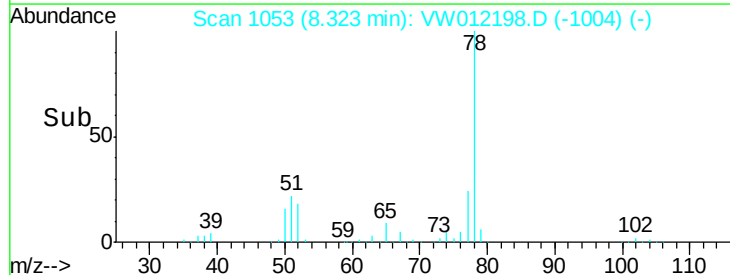
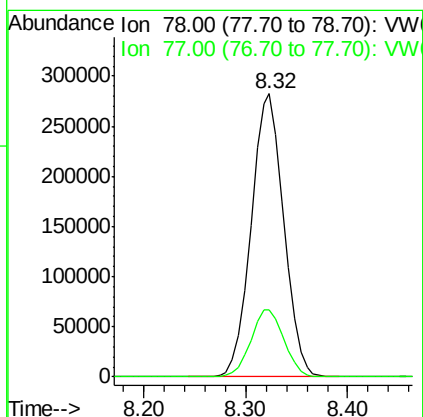
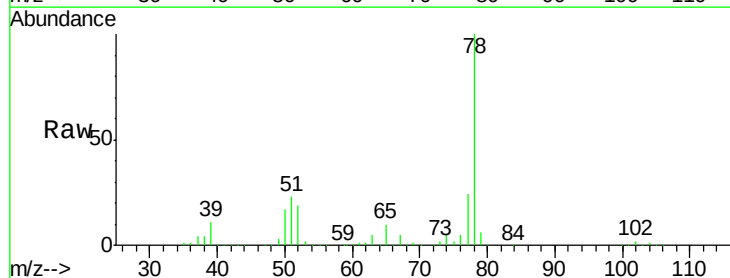
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

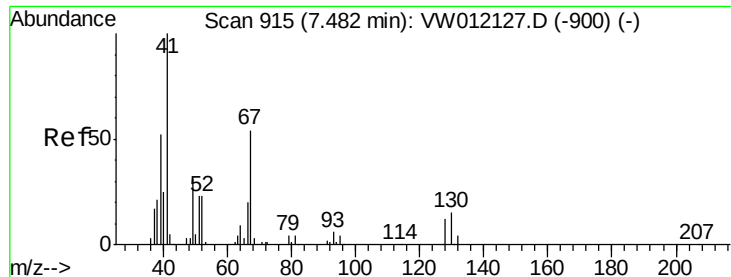
Tot Ion: 83 Resp: 271444
Ion Ratio Lower Upper
83 100
55 88.1 71.8 107.8
98 46.1 37.8 56.8



#40
Benzene
Concen: 49.604 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion: 78 Resp: 627132
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3

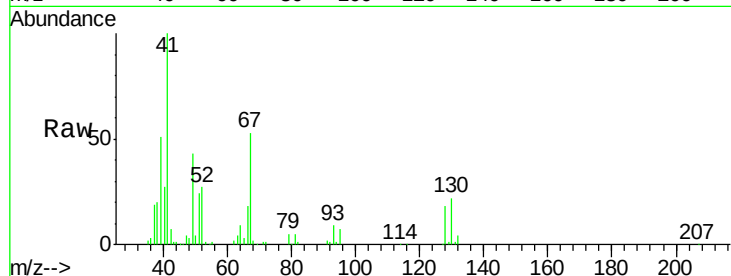




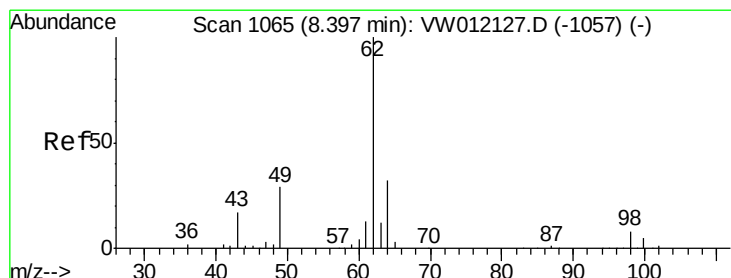
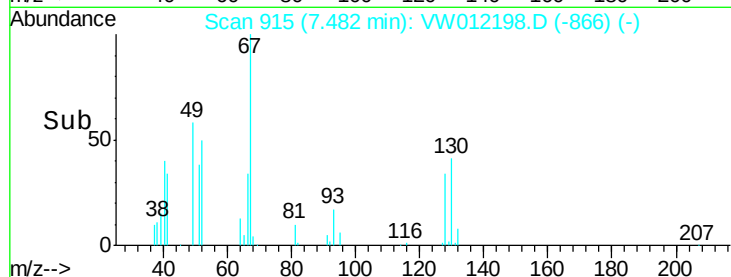
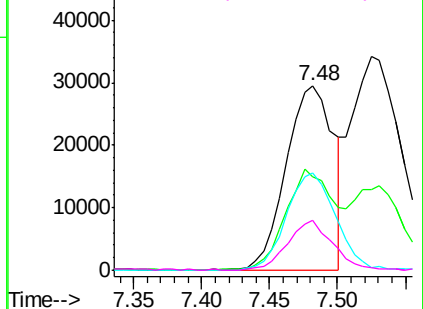
#41
Methacrylonitrile
Concen: 47.952 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	71507
Ion	Ratio	Lower	Upper
41	100		
39	58.0	45.8	68.8
67	55.1	46.2	69.4
52	26.0	21.0	31.6

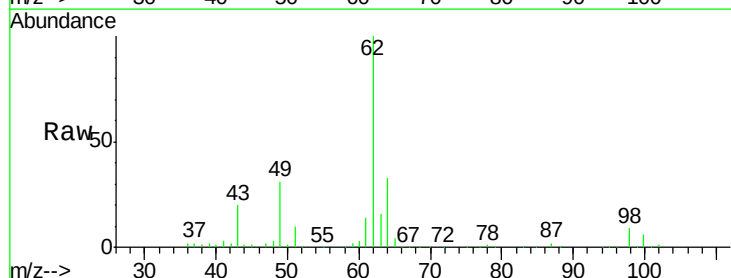


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

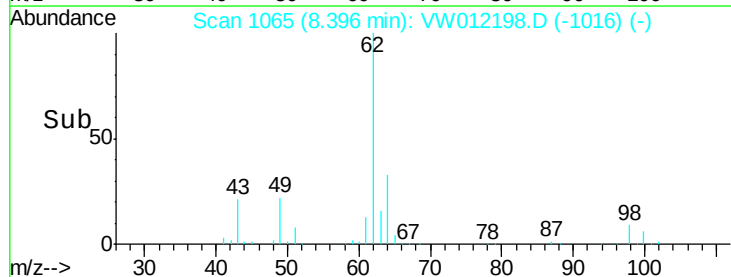
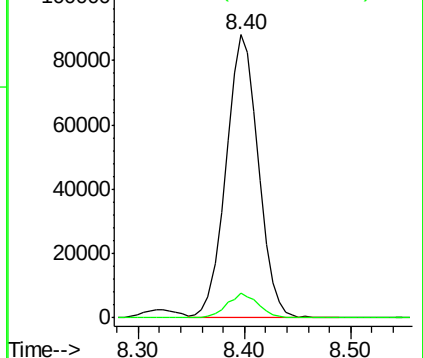


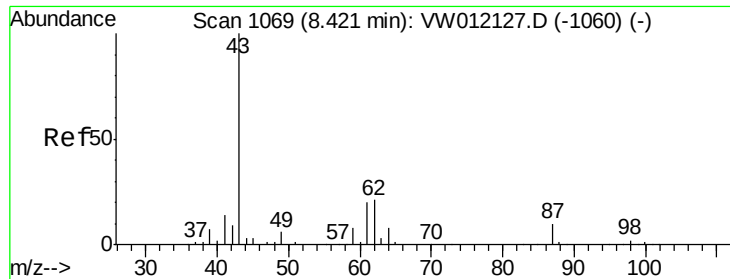
#42
1,2-Dichloroethane
Concen: 47.123 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion:	62	Resp:	186720
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 47.052 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

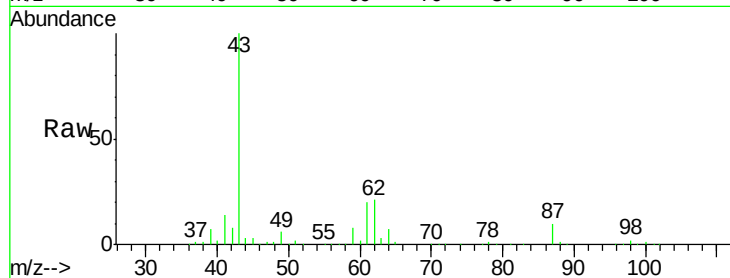
Tot Ion: 43 Resp: 221132

Ion Ratio Lower Upper

43 100

61 26.9 21.1 31.7

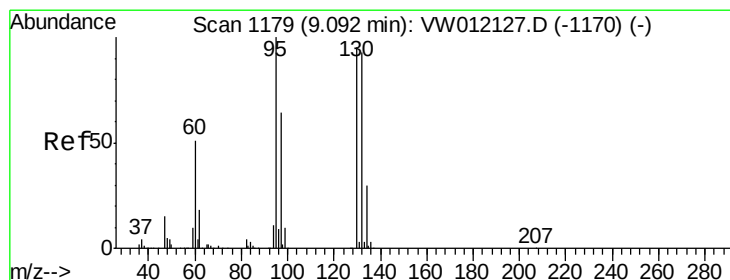
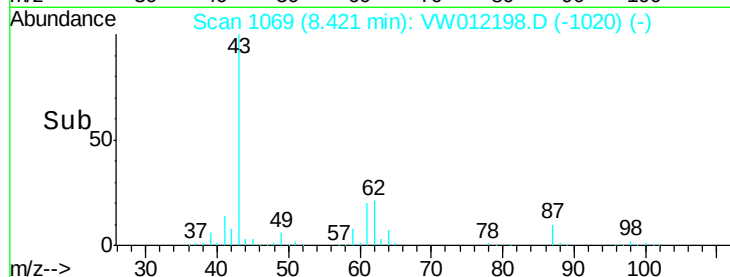
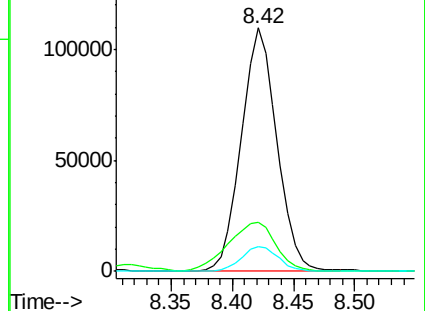
87 10.5 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.403 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012198.D

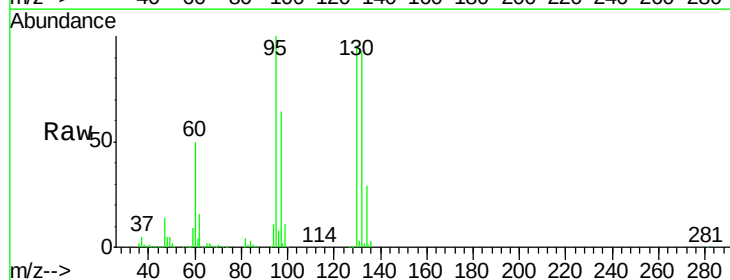
Acq: 27 Aug 2019 08:39

Tgt Ion: 130 Resp: 154910

Ion Ratio Lower Upper

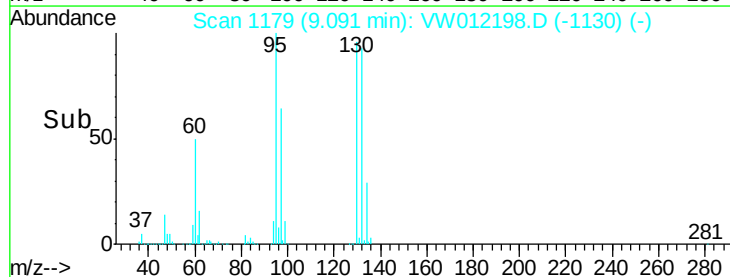
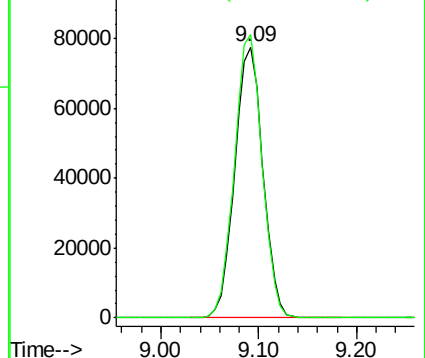
130 100

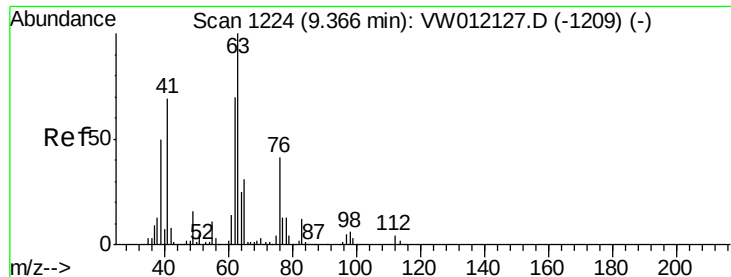
95 104.5 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 48.451 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

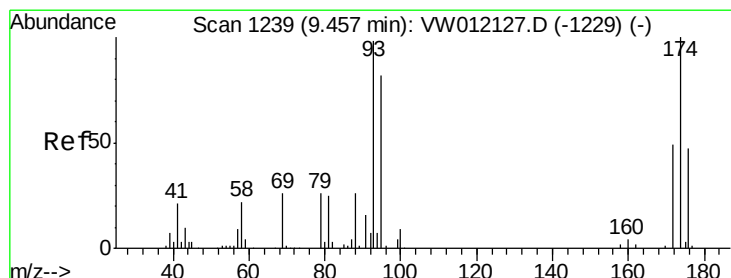
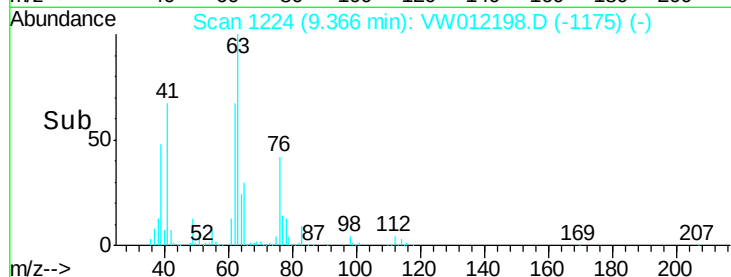
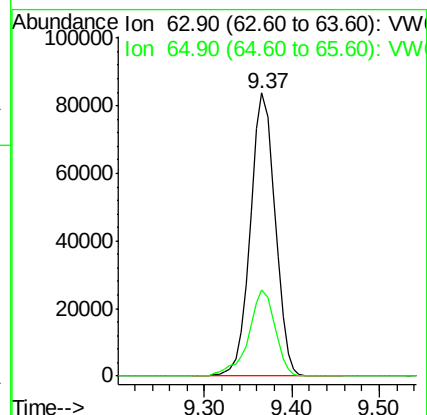
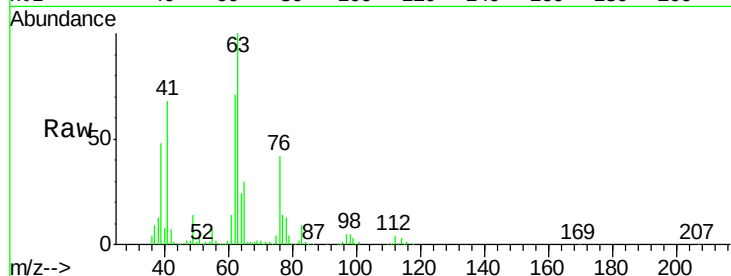
VSTDCCC050

Tot Ion: 63 Resp: 164857

Ion Ratio Lower Upper

63 100

65 30.3 25.0 37.4



#46

Dibromomethane

Concen: 47.685 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

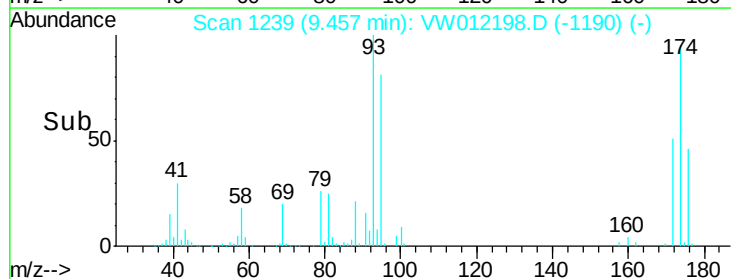
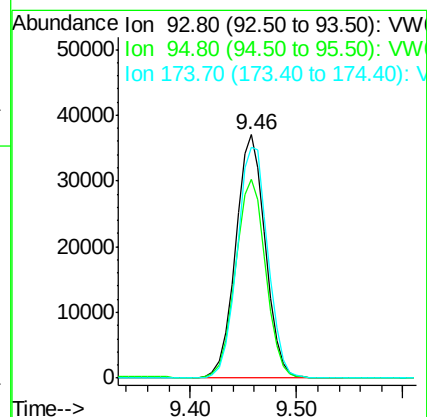
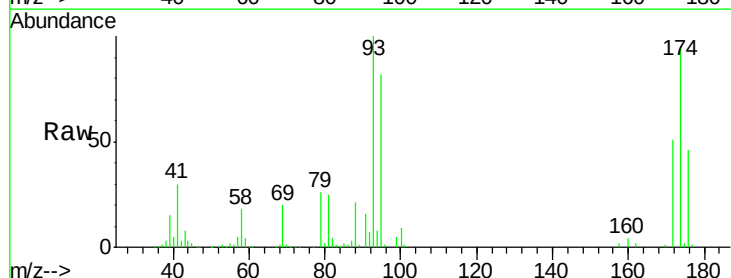
Tgt Ion: 93 Resp: 72191

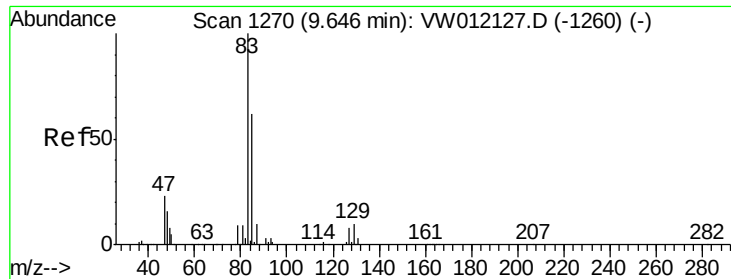
Ion Ratio Lower Upper

93 100

95 83.3 67.2 100.8

174 98.3 79.0 118.6





#47

Bromodichloromethane

Concen: 48.562 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

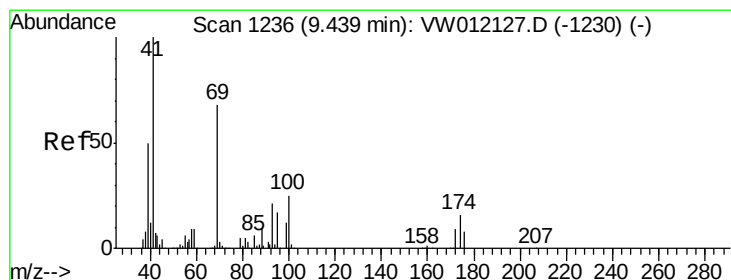
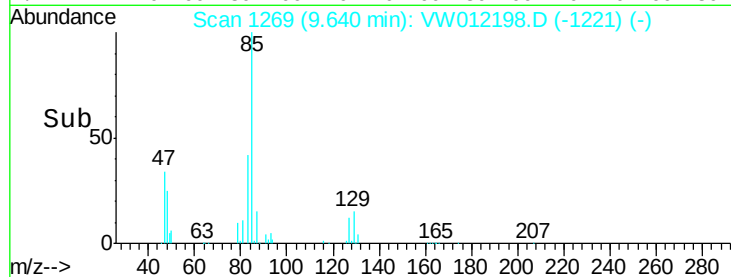
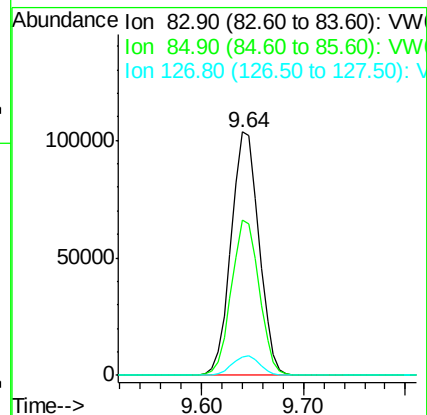
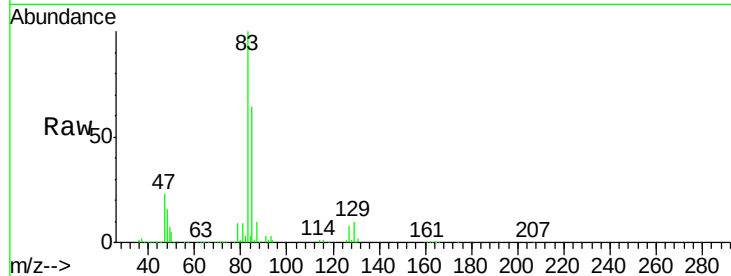
Tot Ion: 83 Resp: 195665

Ion Ratio Lower Upper

83 100

85 63.9 49.4 74.2

127 7.6 6.1 9.1



#48

Methyl methacrylate

Concen: 48.617 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

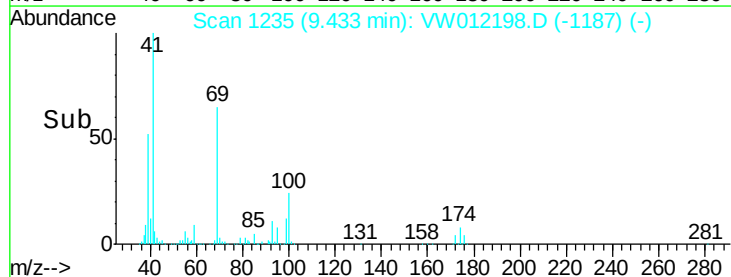
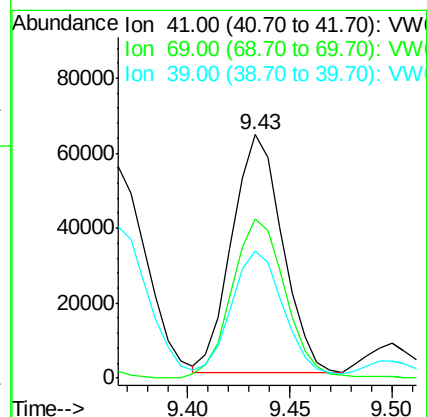
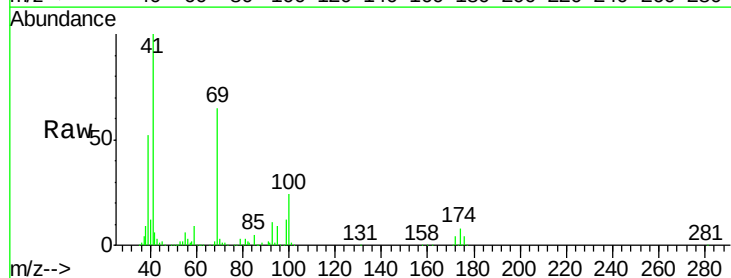
Tgt Ion: 41 Resp: 108748

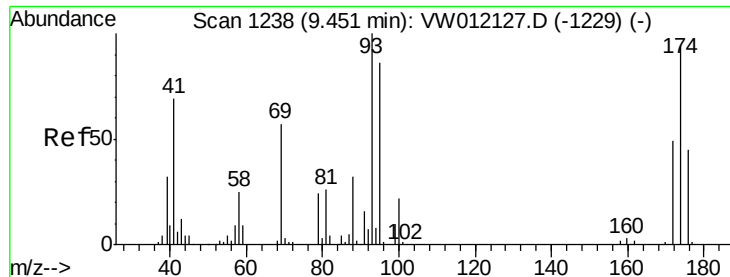
Ion Ratio Lower Upper

41 100

69 71.1 56.7 85.1

39 52.7 42.0 63.0





#49

1,4-Dioxane

Concen: 816.530 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

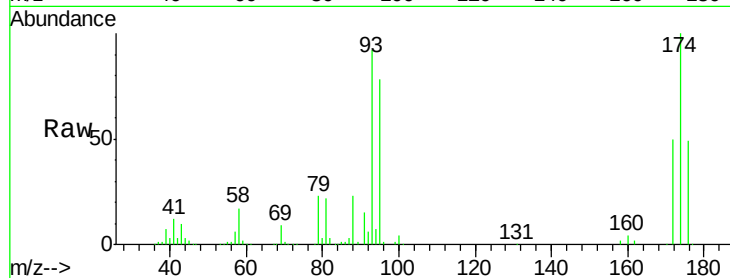
Tot Ion: 88 Resp: 18924

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

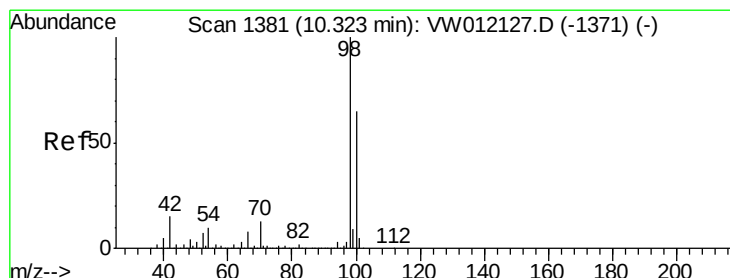
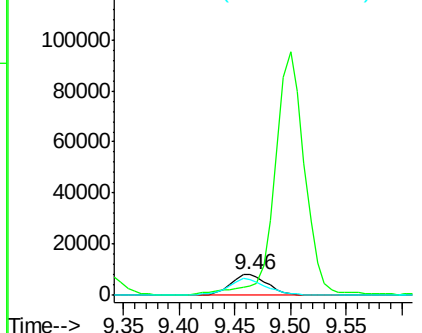
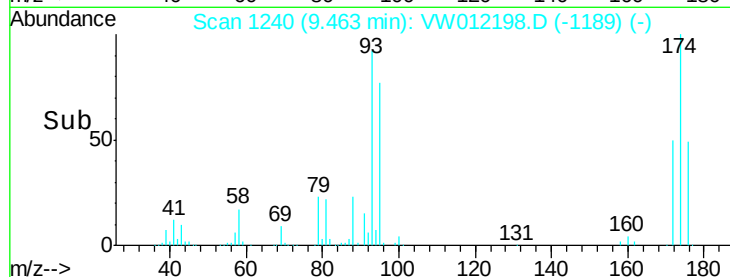
58 84.2 71.0 106.4



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: 49.856 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012198.D

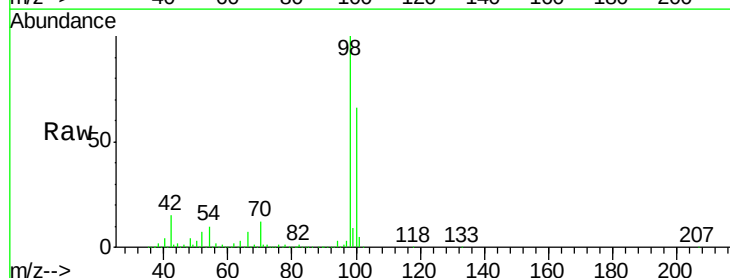
Acq: 27 Aug 2019 08:39

Tgt Ion: 98 Resp: 540641

Ion Ratio Lower Upper

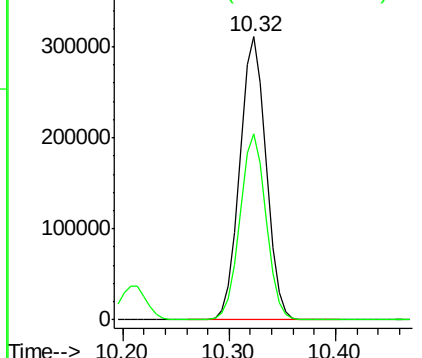
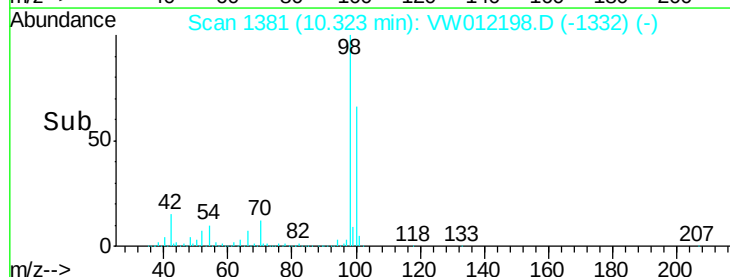
98 100

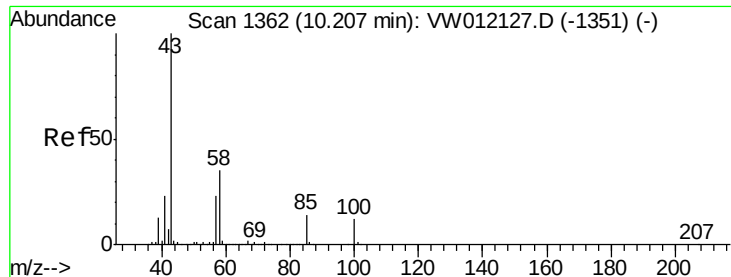
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

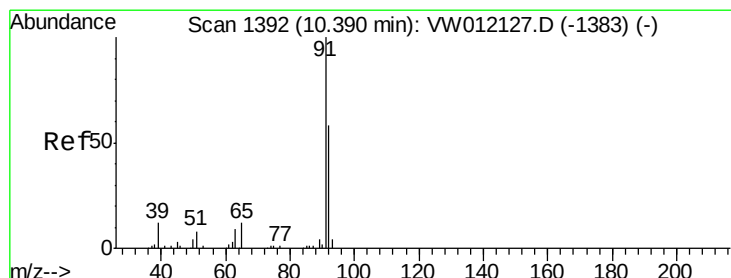
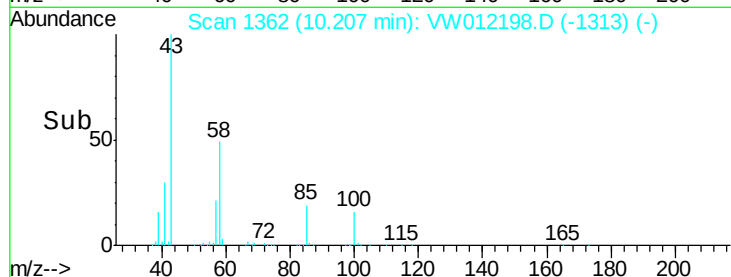
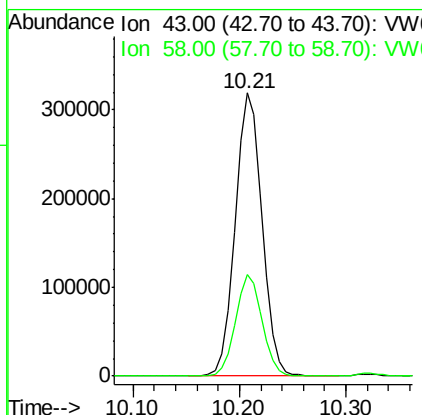
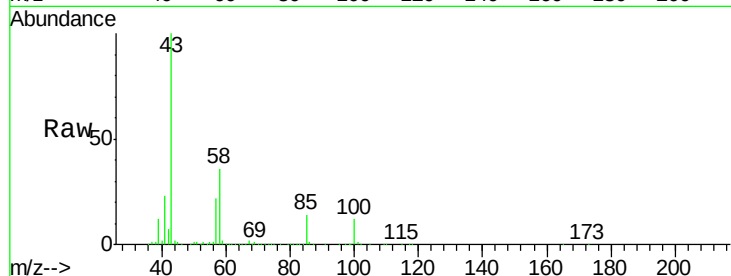




#51
 4-Methyl-2-Pentanone
 Concen: 235.353 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

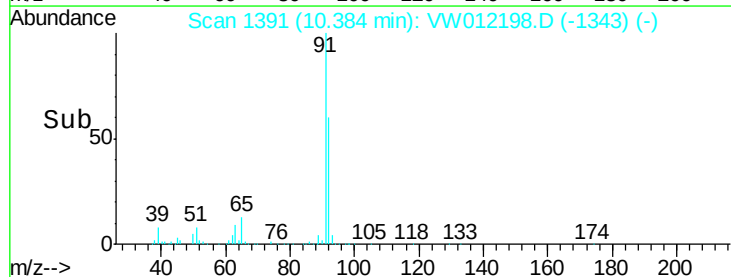
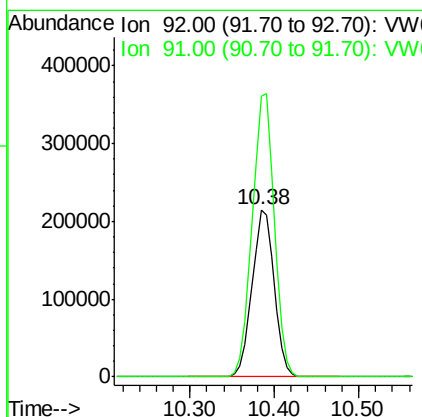
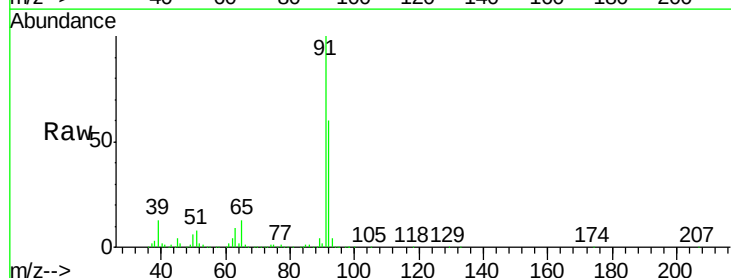
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

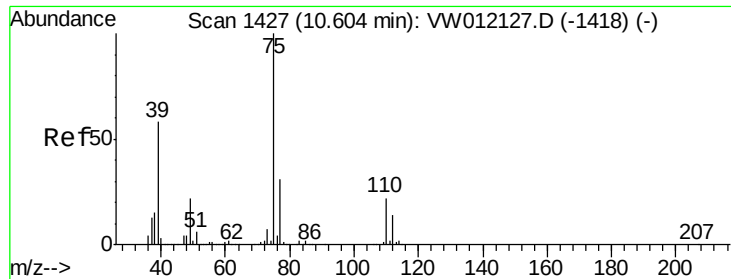
Tot Ion: 43 Resp: 562597
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.2 42.2



#52
 Toluene
 Concen: 49.933 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Tgt Ion: 92 Resp: 379248
 Ion Ratio Lower Upper
 92 100
 91 170.8 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 50.008 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampled :

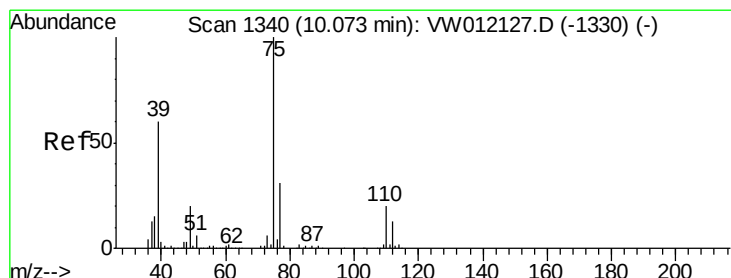
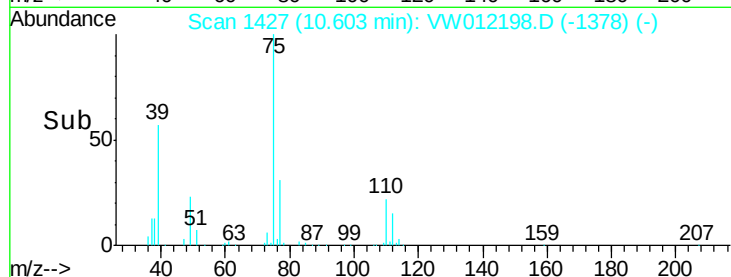
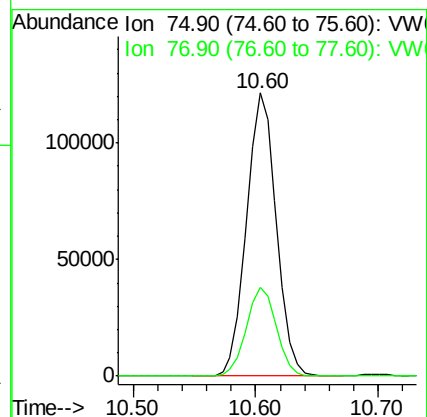
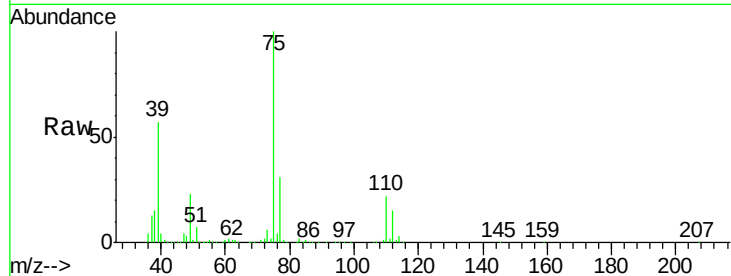
VSTDCCC050

Tot Ion: 75 Resp: 205242

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.246 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

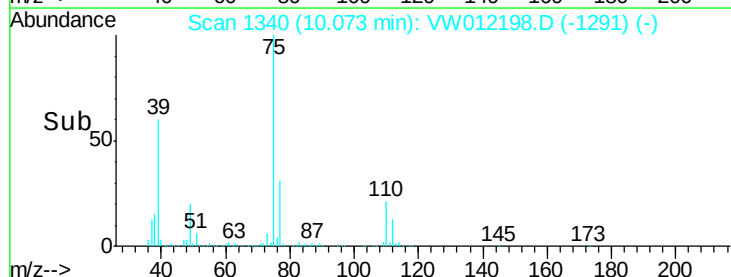
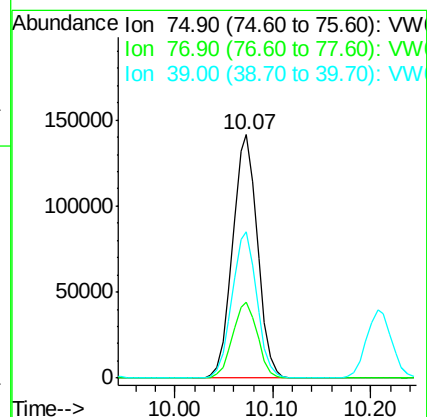
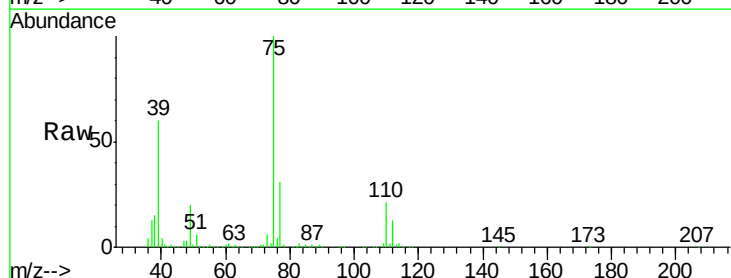
Tgt Ion: 75 Resp: 248997

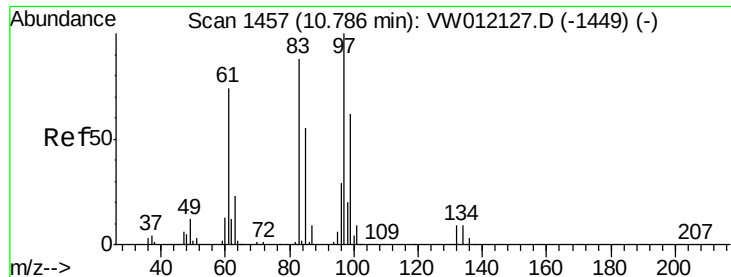
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 60.0 48.3 72.5

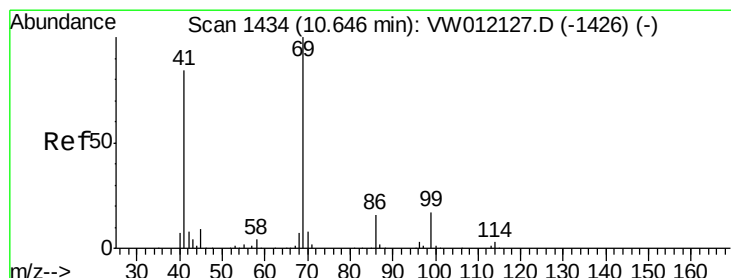
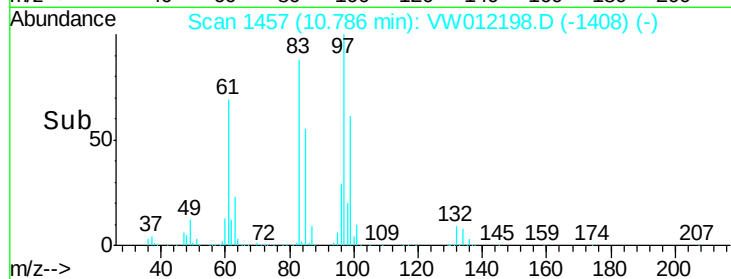
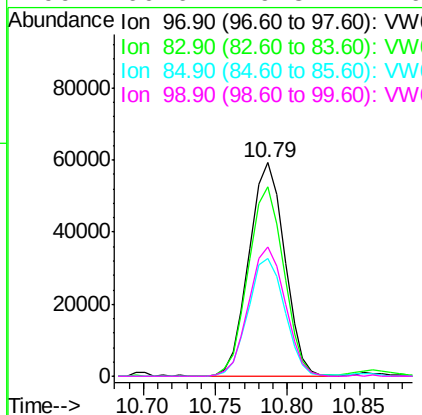
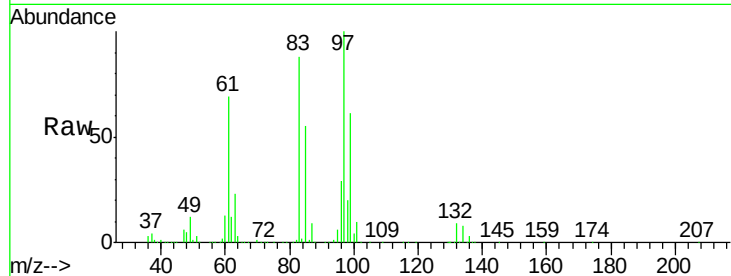




#55
 1,1,2-Trichloroethane
 Concen: 47.431 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

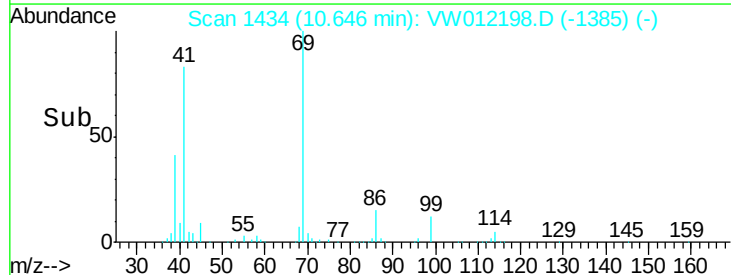
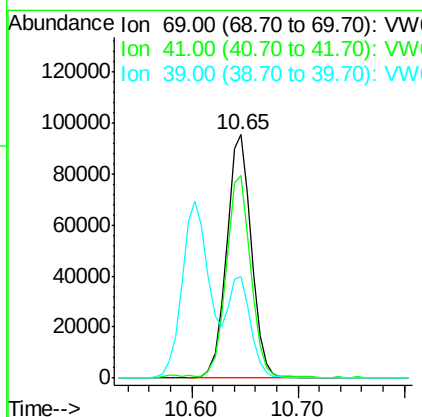
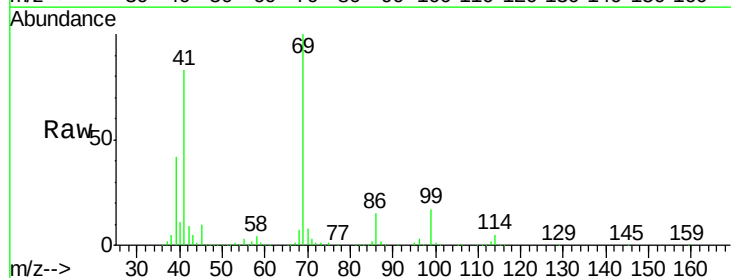
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

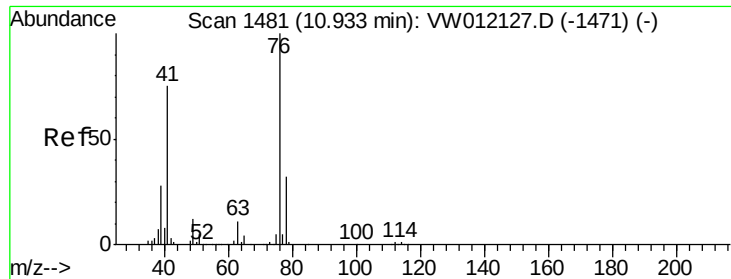
Tot Ion:	97	Resp:	101596
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.8	106.2
85	55.3	43.8	65.8
99	60.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 49.624 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Tgt Ion:	69	Resp:	154702
Ion	Ratio	Lower	Upper
69	100		
41	81.9	66.5	99.7
39	37.4	31.0	46.4

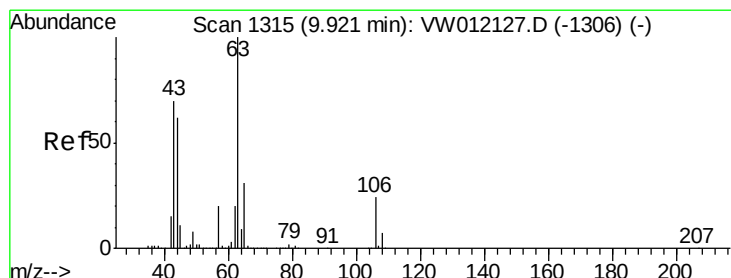
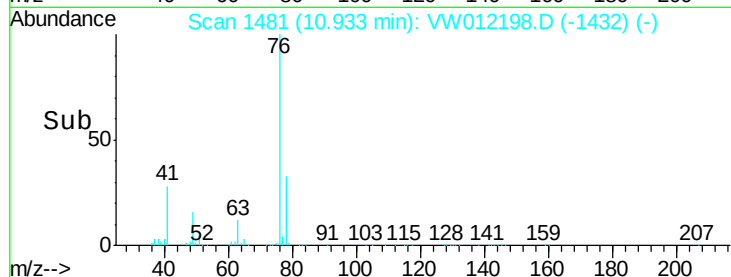
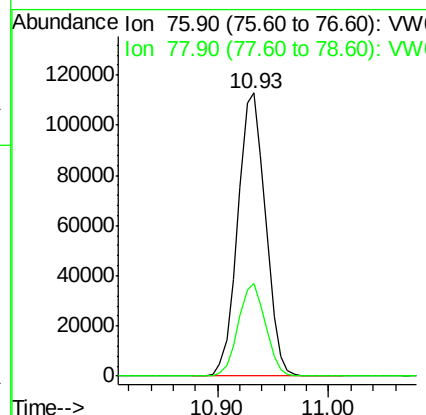
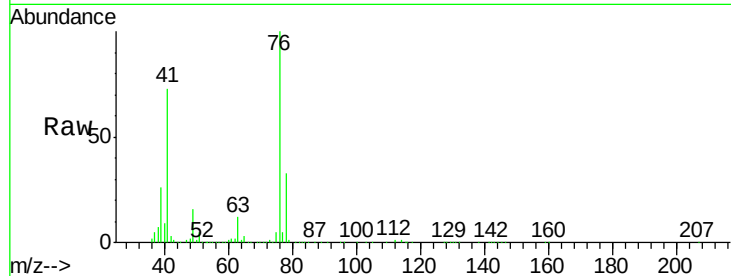




#57
 1,3-Dichloropropane
 Concen: 48.077 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

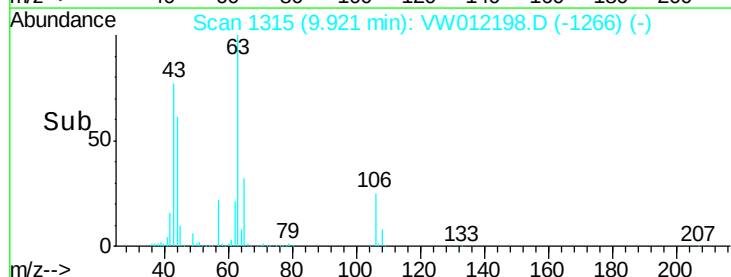
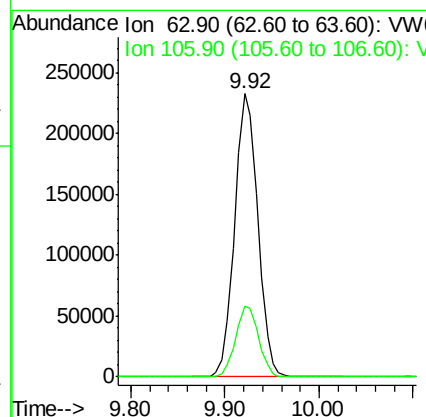
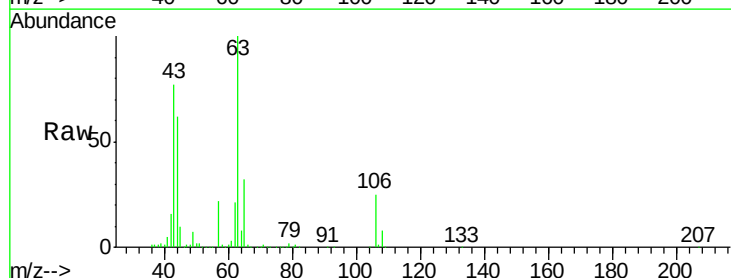
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

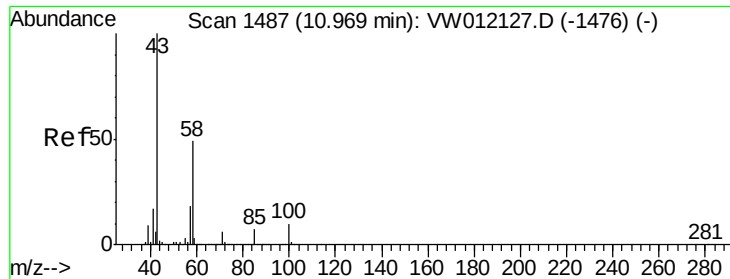
Tot Ion: 76 Resp: 194605
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.421 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Tgt Ion: 63 Resp: 397461
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.8

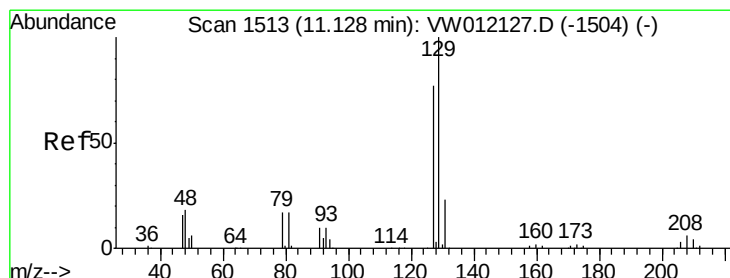
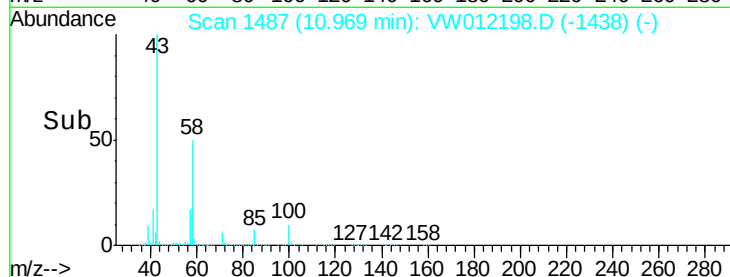
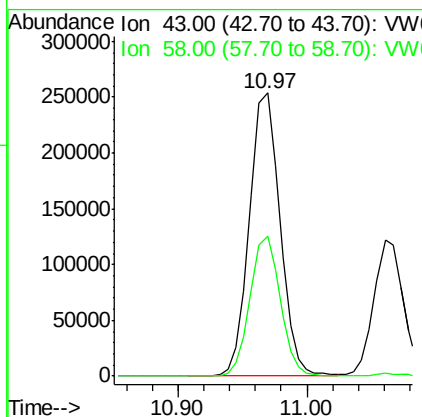
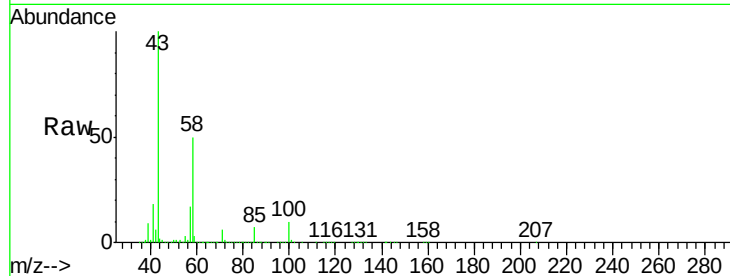




#59
2-Hexanone
Concen: 246.066 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

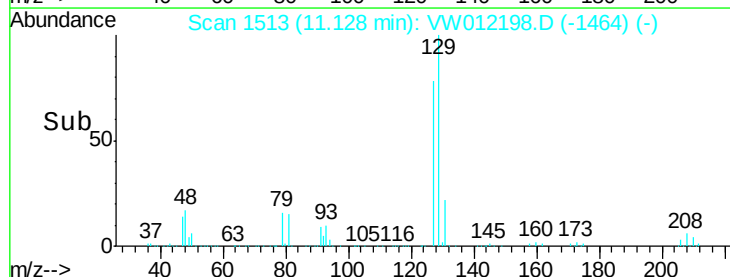
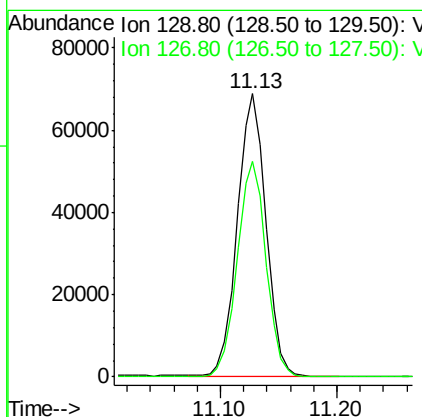
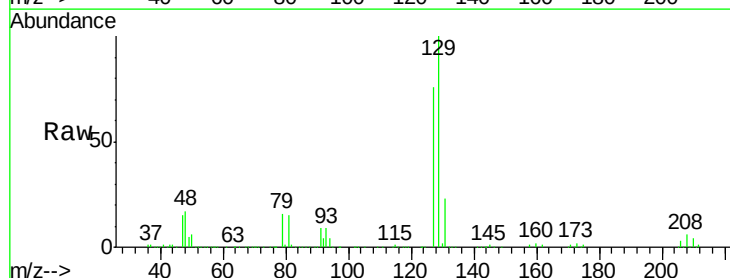
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

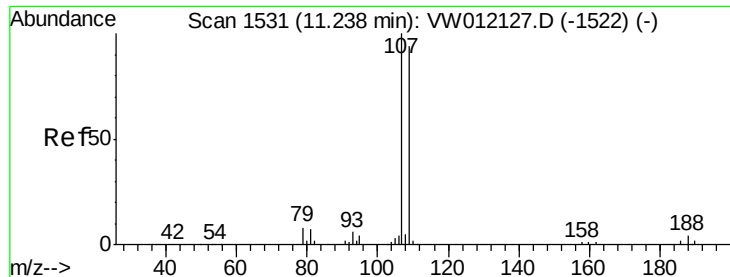
Tot Ion: 43 Resp: 416193
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 49.290 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion: 129 Resp: 117595
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.664 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

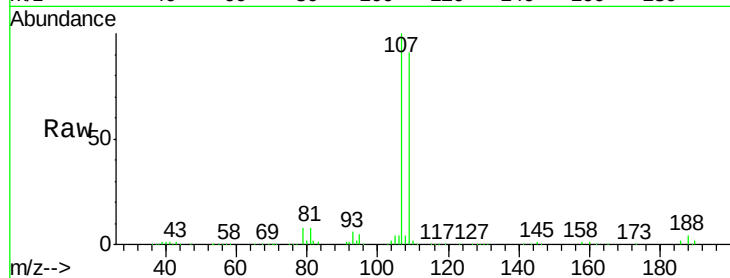
VSTDCCC050

Tot Ion:107 Resp: 97110

Ion Ratio Lower Upper

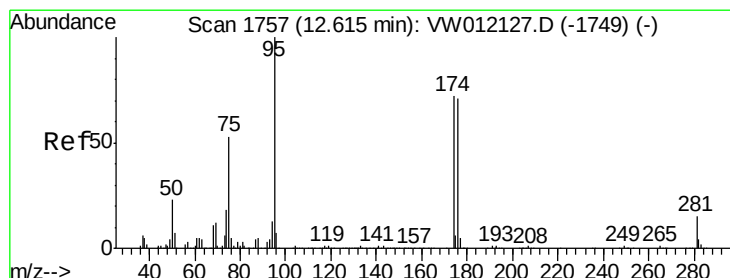
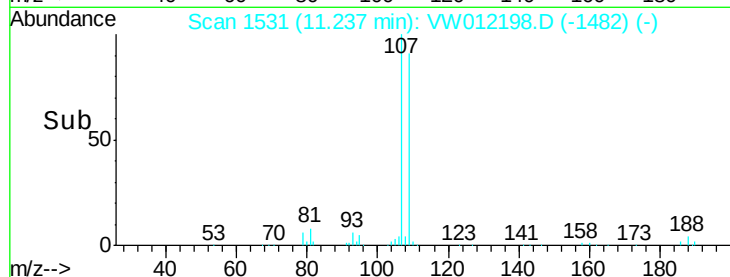
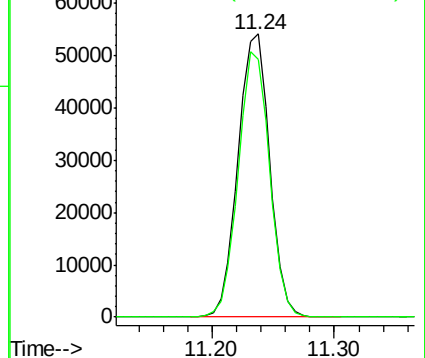
107 100

109 93.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.204 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

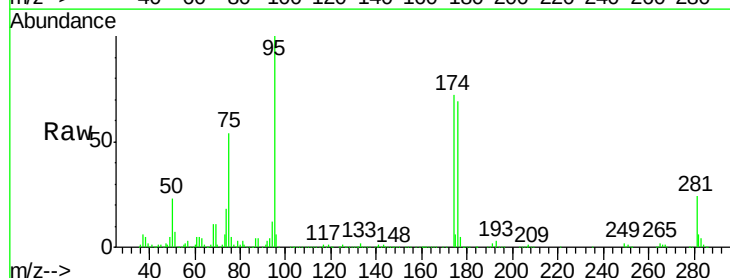
Tgt Ion: 95 Resp: 188084

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.8

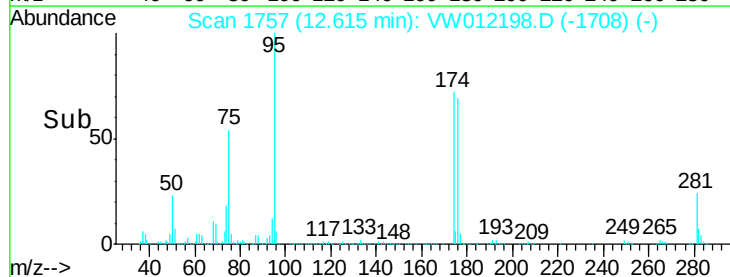
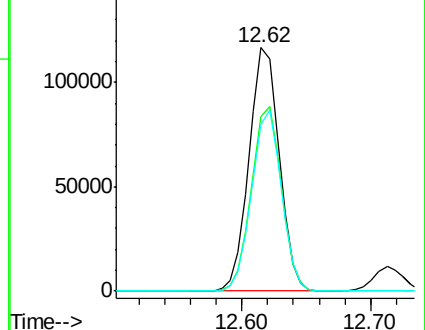
176 73.4 0.0 148.6

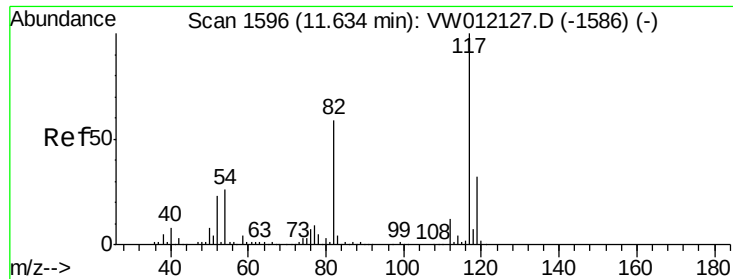


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

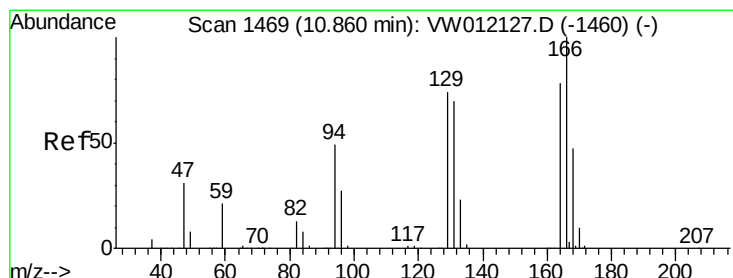
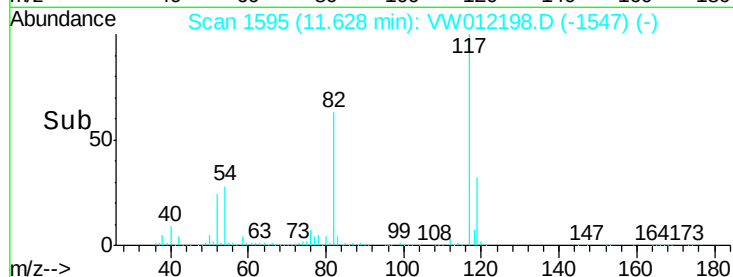
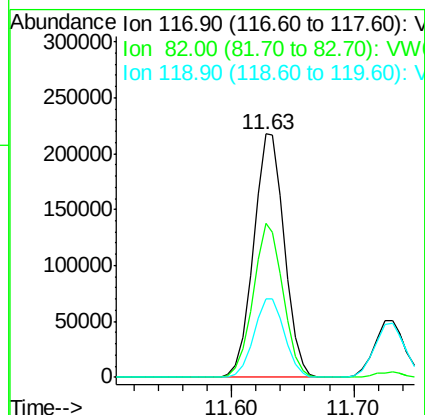
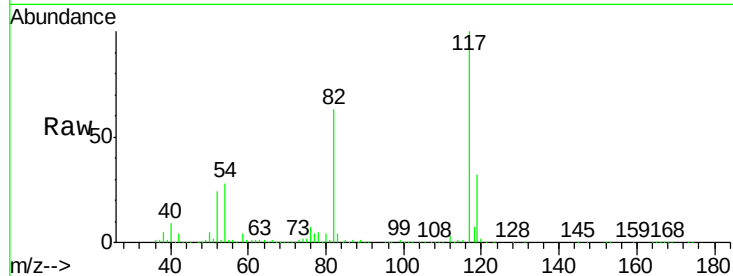




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

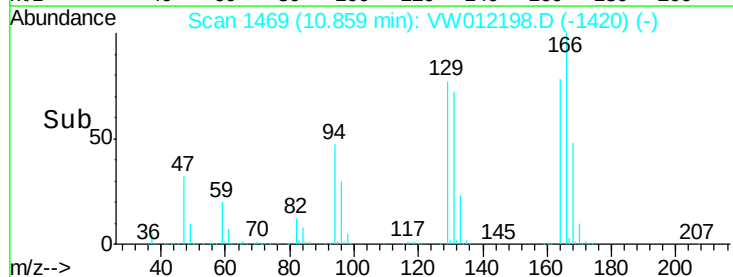
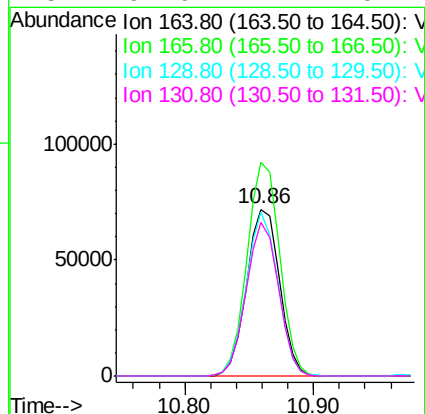
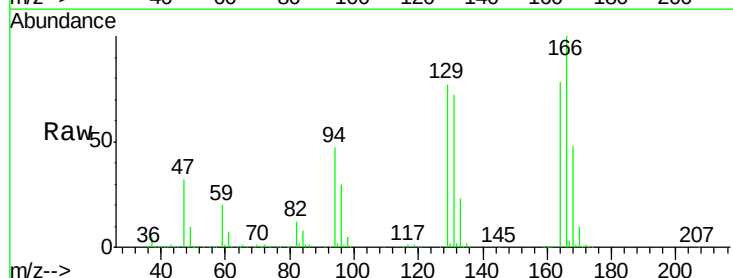
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

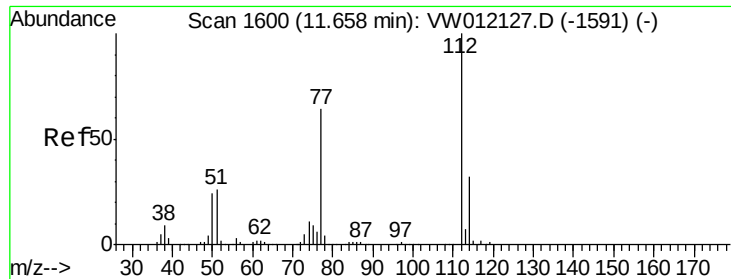
Tot Ion:117 Resp: 380993
Ion Ratio Lower Upper
117 100
82 63.3 47.4 71.2
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 51.169 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion:164 Resp: 126391
Ion Ratio Lower Upper
164 100
166 127.9 102.4 153.6
129 98.0 75.8 113.6
131 91.6 71.4 107.2

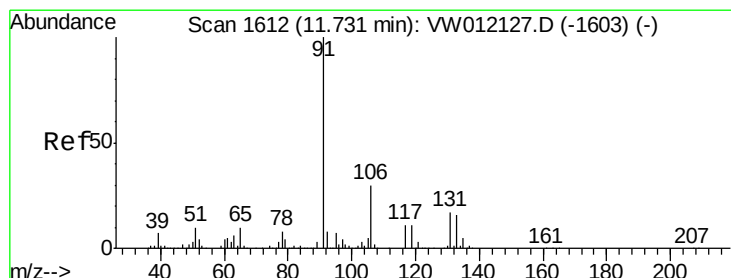
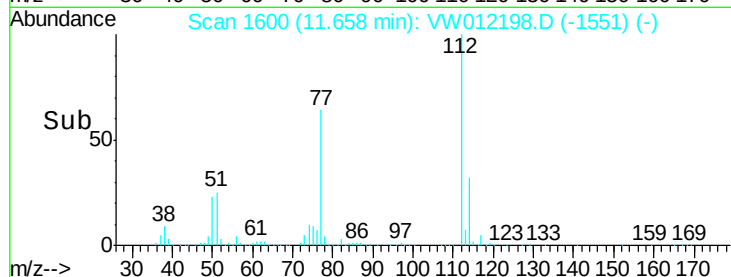
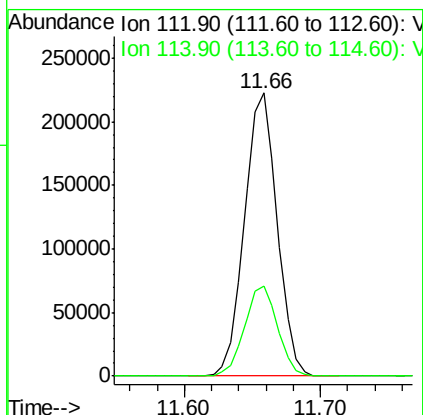
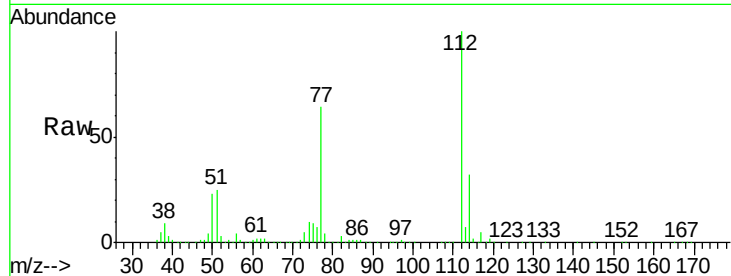




#65
Chlorobenzene
Concen: 49.836 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

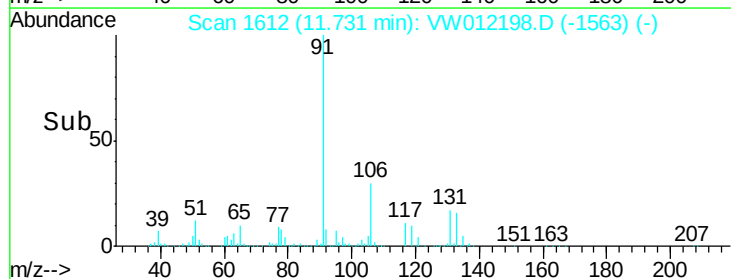
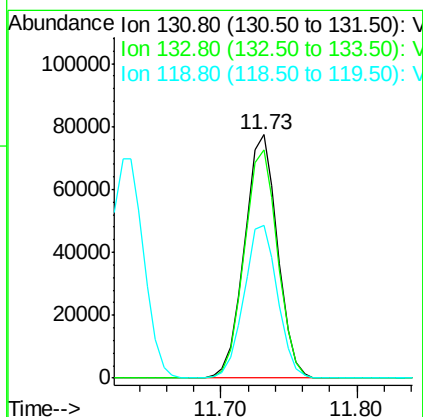
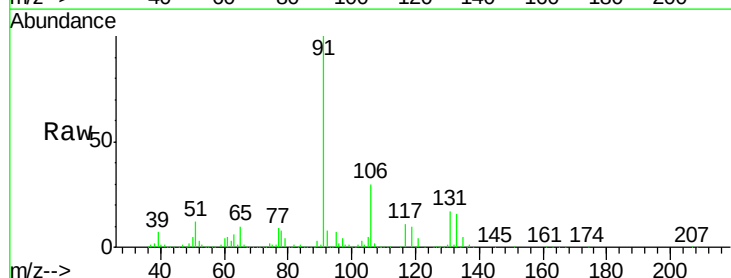
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

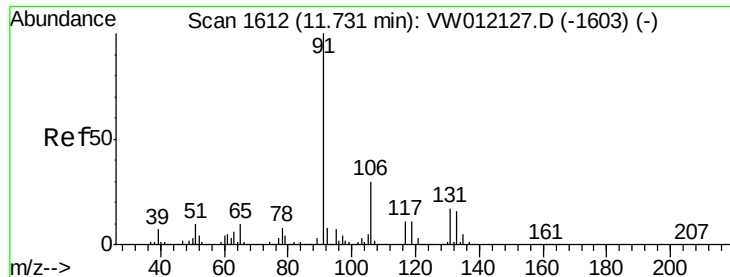
Tot Ion:112 Resp: 373873
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.234 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion:131 Resp: 131471
Ion Ratio Lower Upper
131 100
133 94.7 47.1 141.3
119 63.6 31.8 95.3

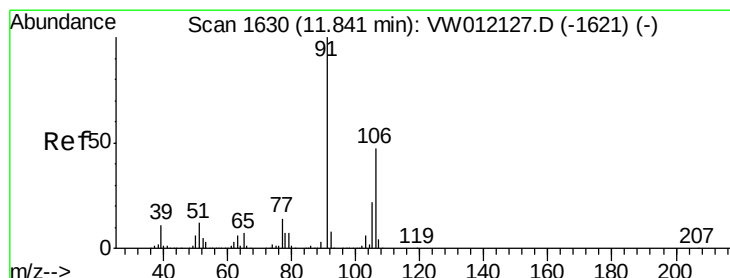
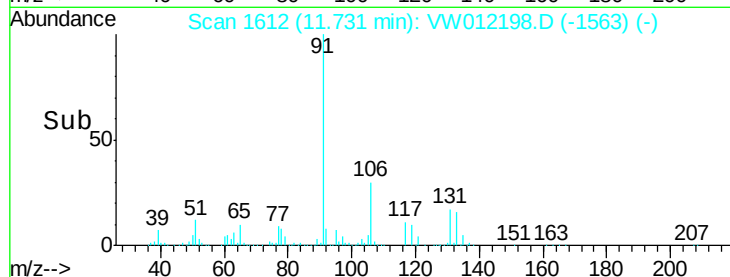
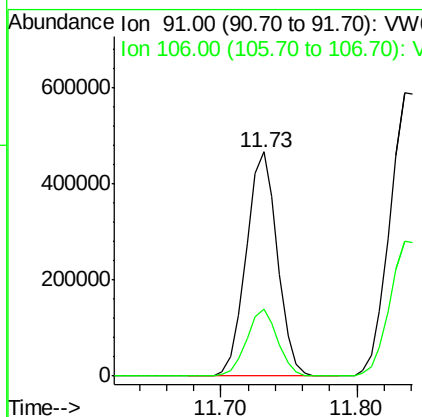
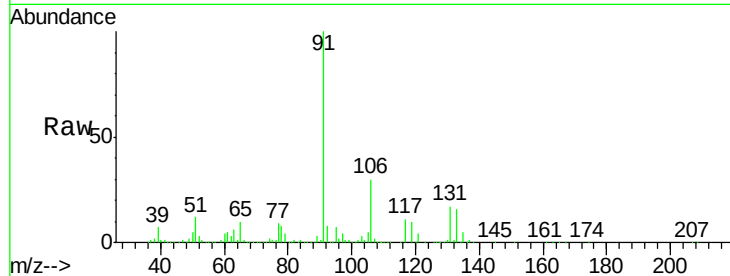




#67
Ethyl Benzene
Concen: 51.740 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

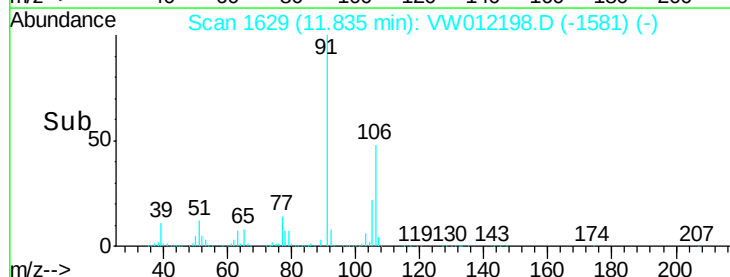
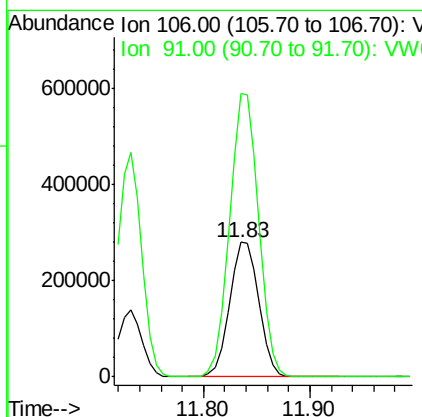
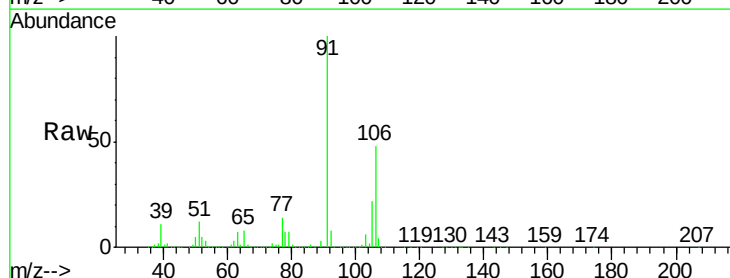
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

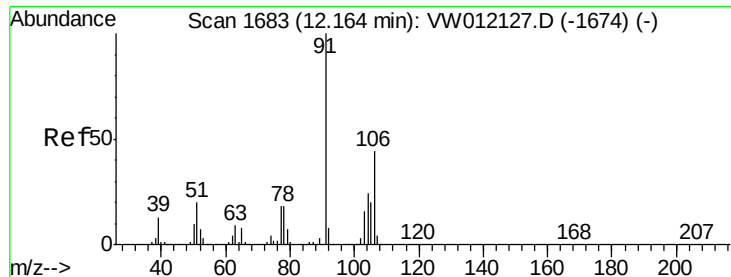
Tot Ion: 91 Resp: 747715
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 103.236 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion: 106 Resp: 537405
Ion Ratio Lower Upper
106 100
91 208.8 169.5 254.3

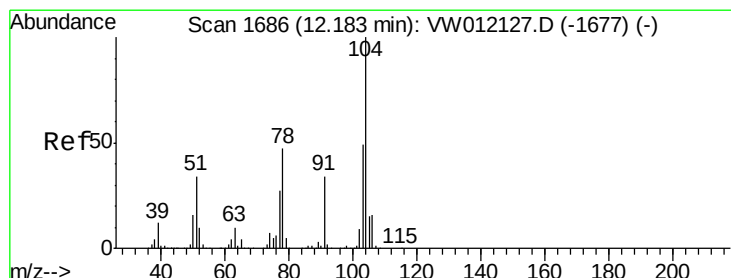
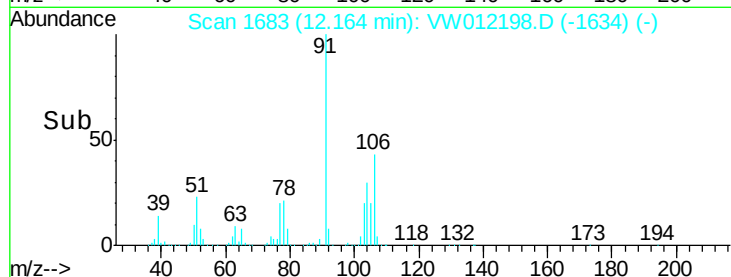
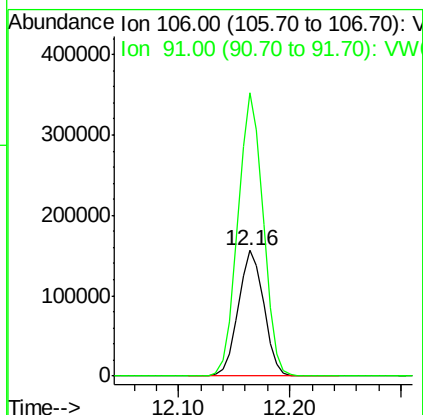
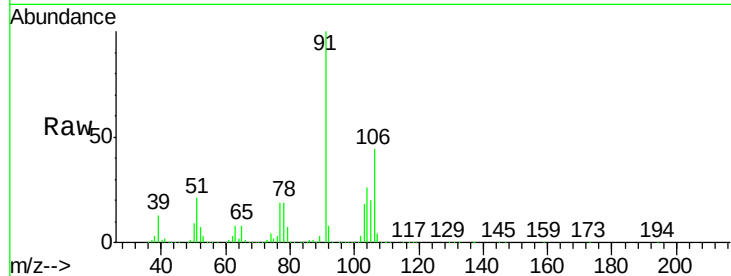




#69
o-Xylene
Concen: 51.272 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

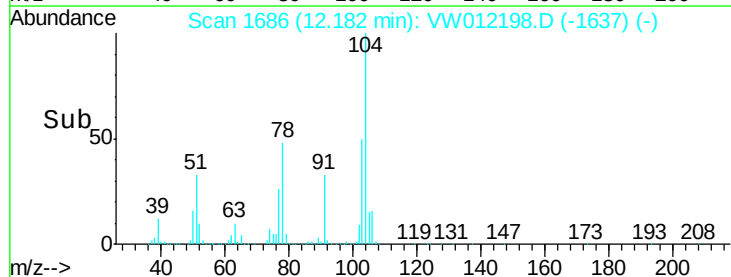
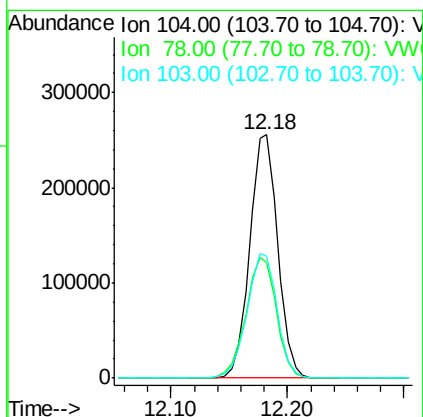
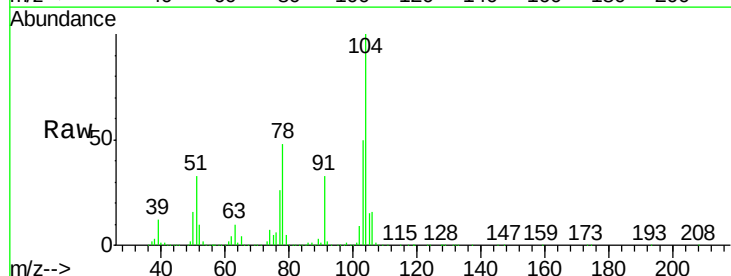
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

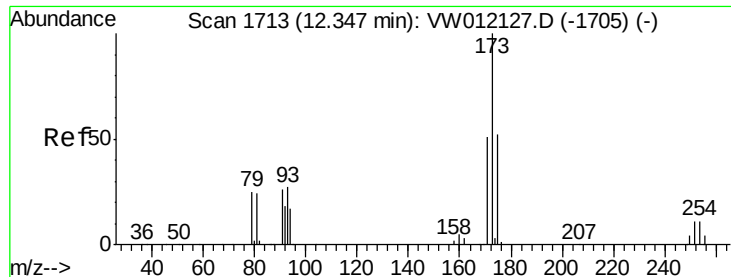
Tot Ion:106 Resp: 247028
Ion Ratio Lower Upper
106 100
91 223.7 111.6 334.6



#70
Styrene
Concen: 51.256 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion:104 Resp: 427444
Ion Ratio Lower Upper
104 100
78 54.1 43.1 64.7
103 54.8 43.5 65.3





#71

Bromoform

Concen: 50.078 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

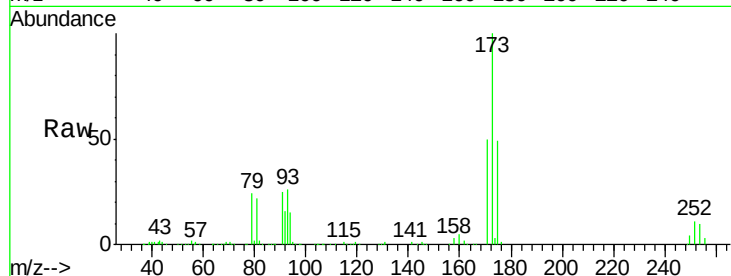
Tot Ion:173 Resp: 65299

Ion Ratio Lower Upper

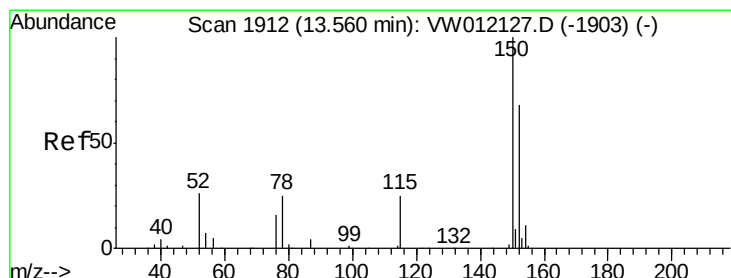
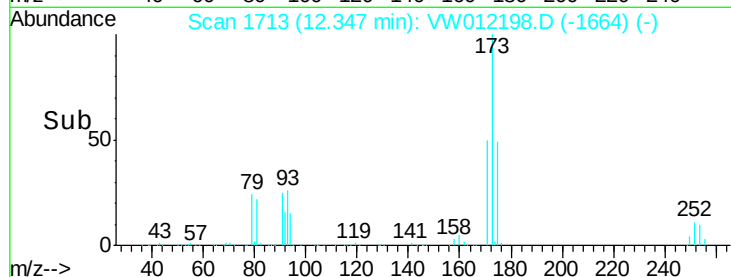
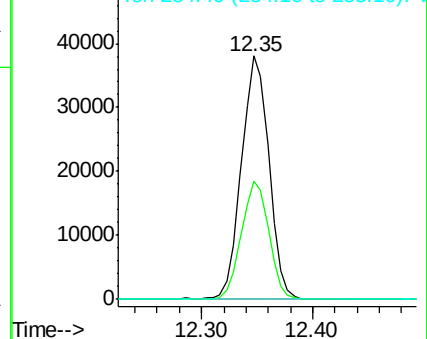
173 100

175 48.4 24.6 74.0

254 0.1 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: VW012198.D

Acq: 27 Aug 2019 08:39

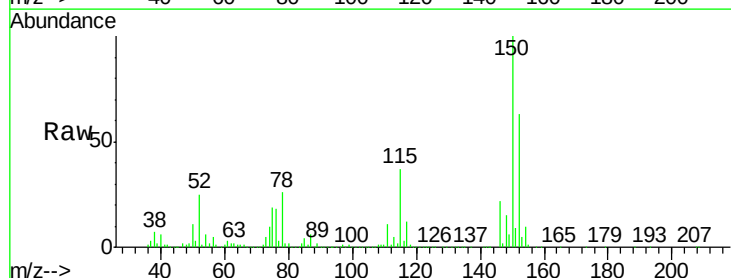
Tgt Ion:152 Resp: 181191

Ion Ratio Lower Upper

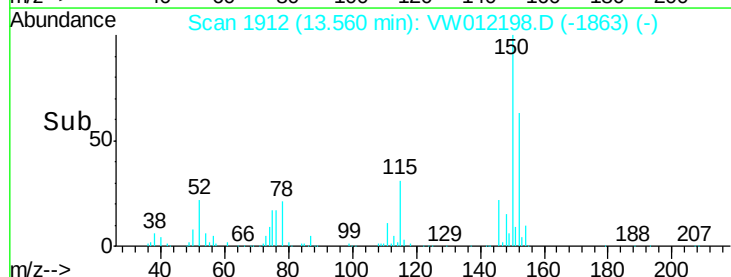
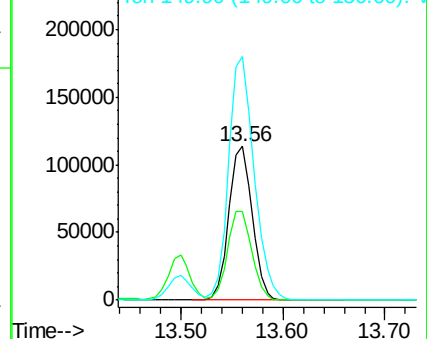
152 100

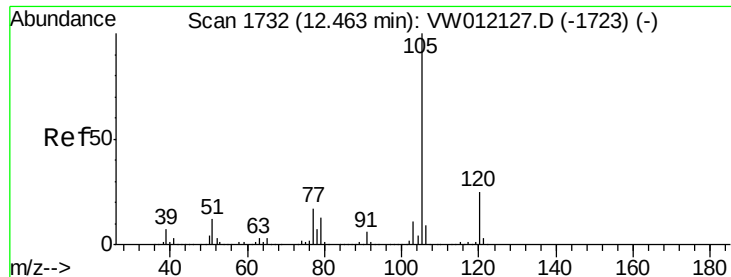
115 59.4 30.1 90.3

150 171.6 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: 52.135 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

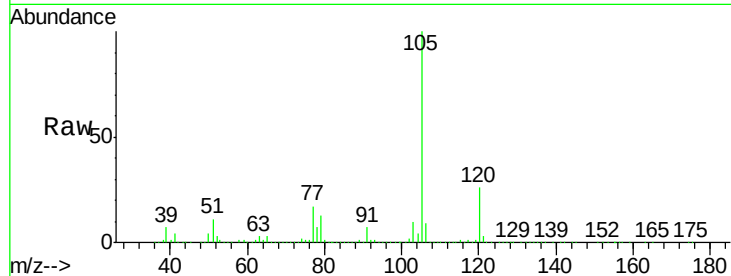
VSTDCCC050

Tot Ion:105 Resp: 707835

Ion Ratio Lower Upper

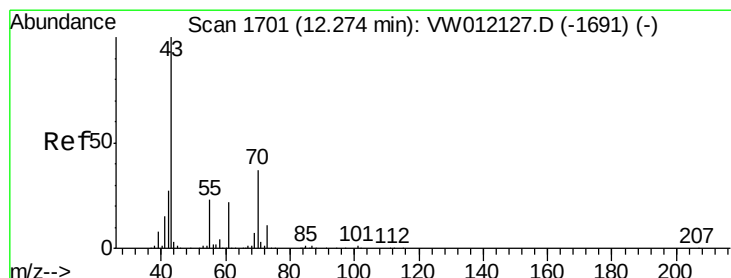
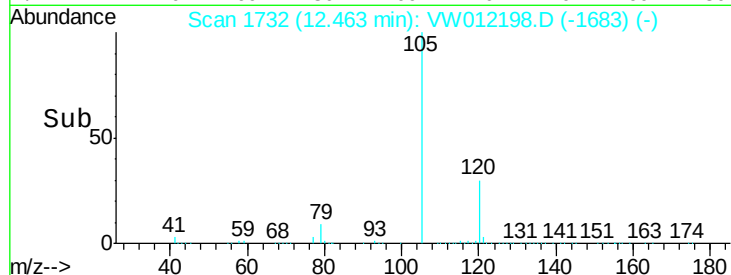
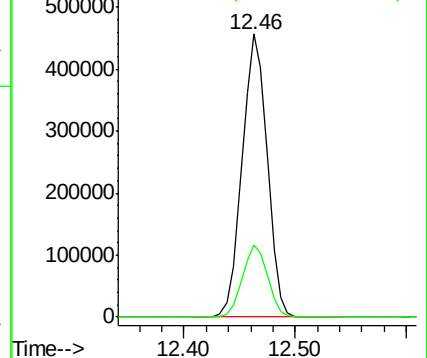
105 100

120 25.5 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.613 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Tgt Ion: 43 Resp: 207611

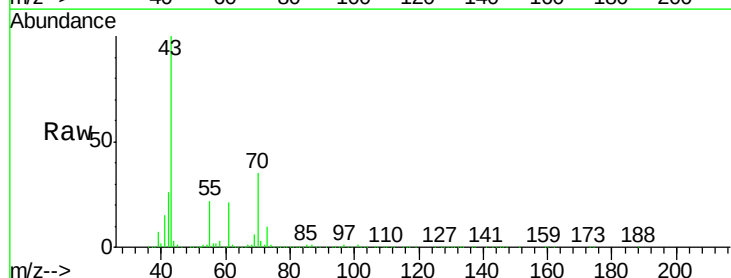
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 22.0 17.8 26.6

61 21.6 17.3 25.9

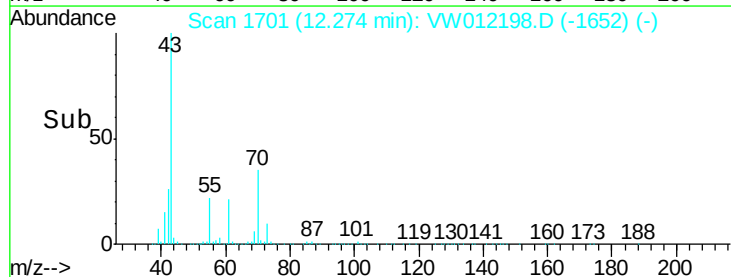
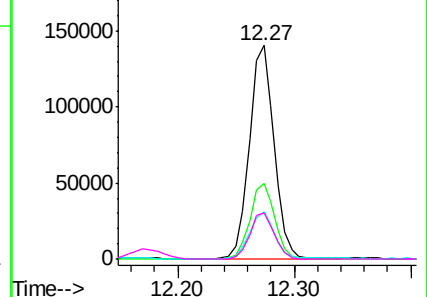


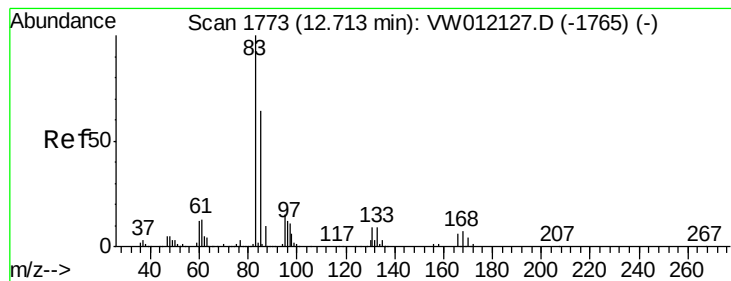
Abundance Ion 43.00 (42.70 to 43.70): VV

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.056 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

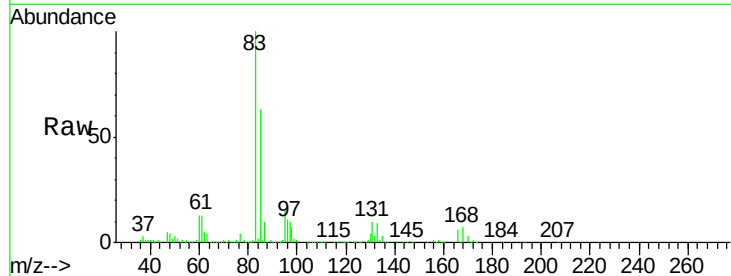
Tot Ion: 83 Resp: 117124

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.7

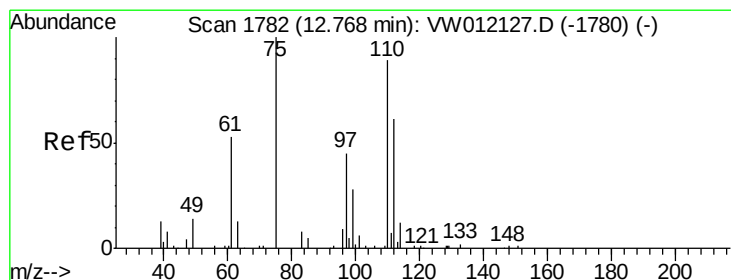
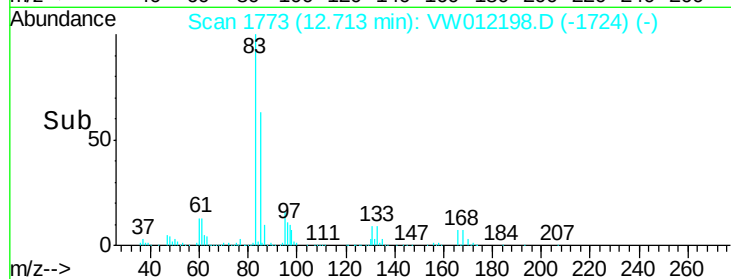
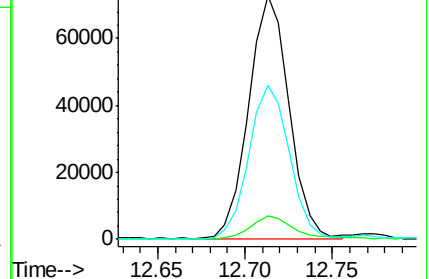
85 64.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 45.666 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012198.D

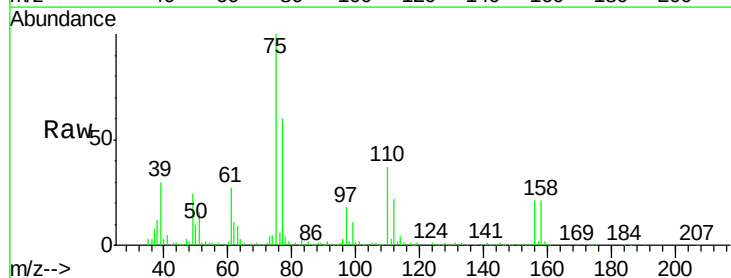
Acq: 27 Aug 2019 08:39

Tgt Ion: 75 Resp: 80585

Ion Ratio Lower Upper

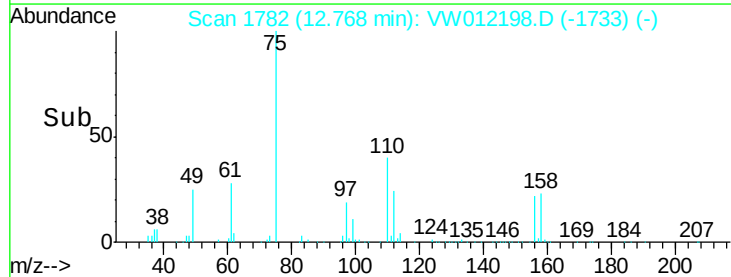
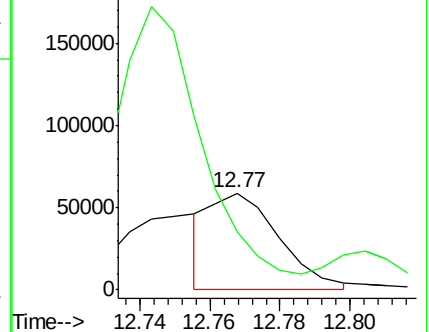
75 100

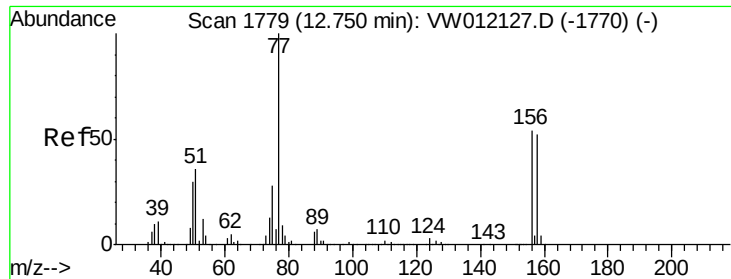
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.140 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

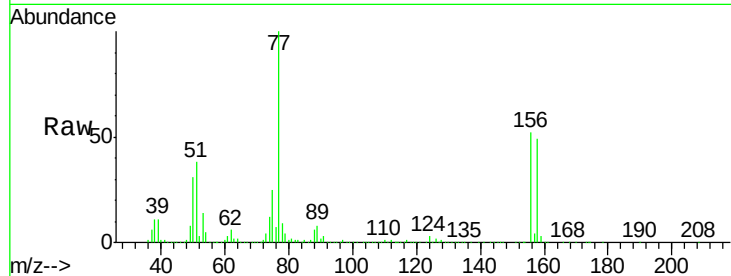
Tot Ion:156 Resp: 147273

Ion Ratio Lower Upper

156 100

77 209.7 107.3 321.8

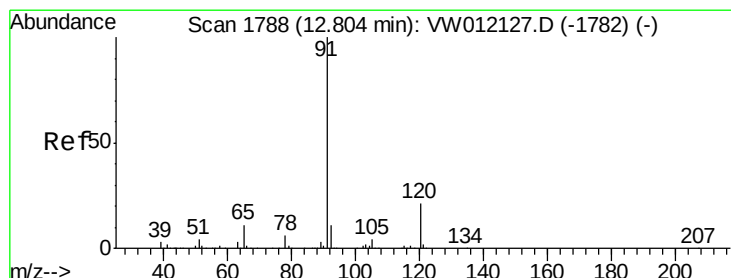
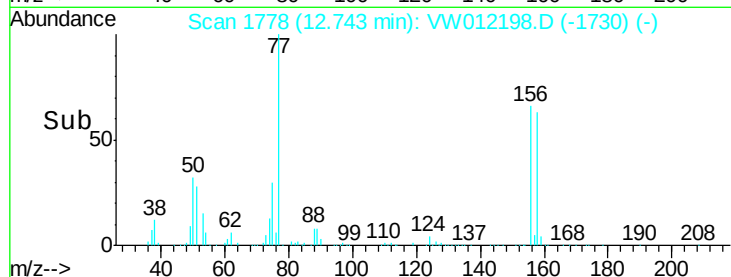
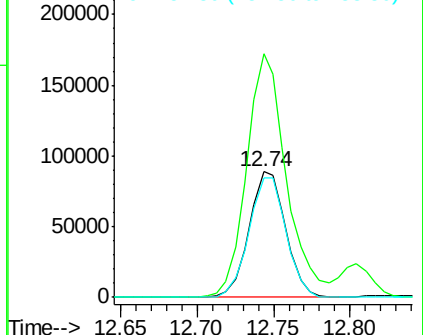
158 97.4 49.0 147.0



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: 52.155 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012198.D

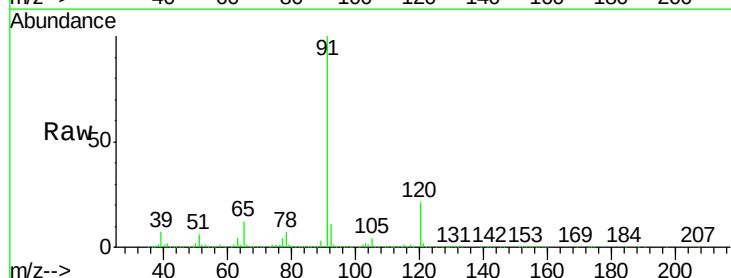
Acq: 27 Aug 2019 08:39

Tgt Ion: 91 Resp: 864454

Ion Ratio Lower Upper

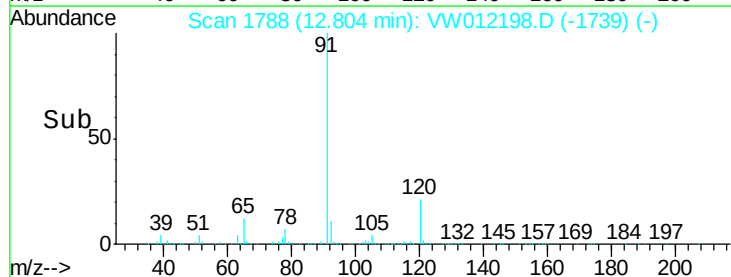
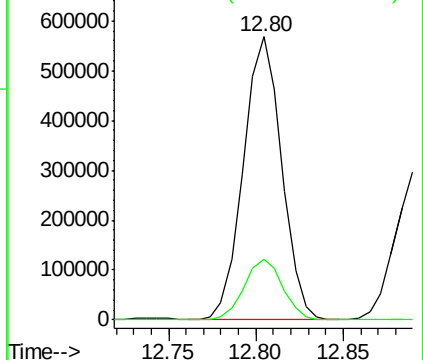
91 100

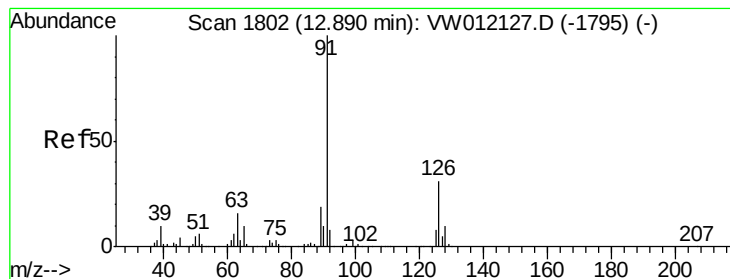
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.278 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

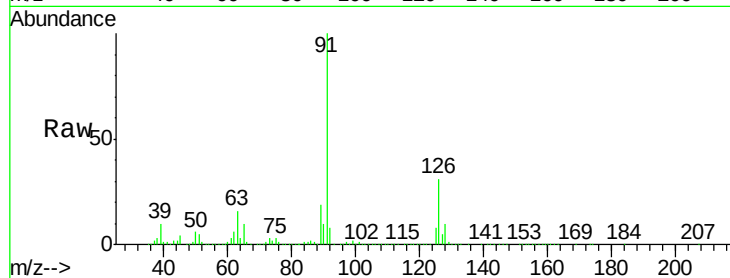
VSTDCCC050

Tot Ion: 91 Resp: 473126

Ion Ratio Lower Upper

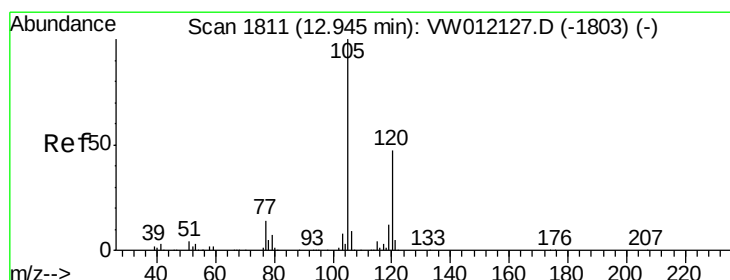
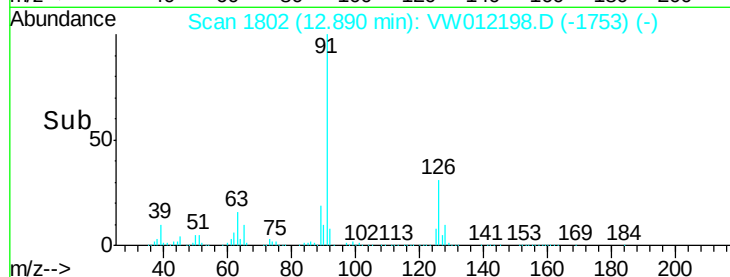
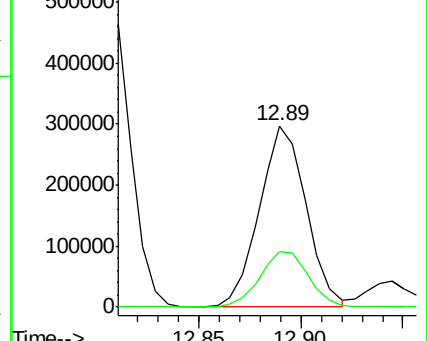
91 100

126 32.0 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: 51.785 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012198.D

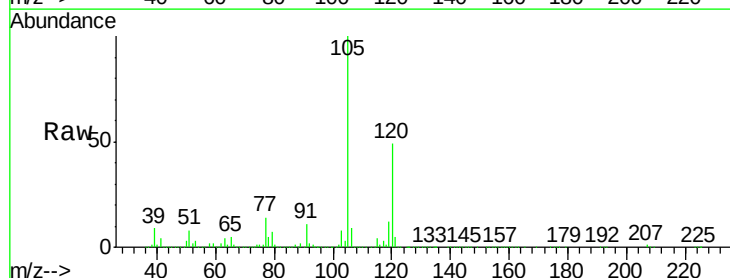
Acq: 27 Aug 2019 08:39

Tgt Ion:105 Resp: 587487

Ion Ratio Lower Upper

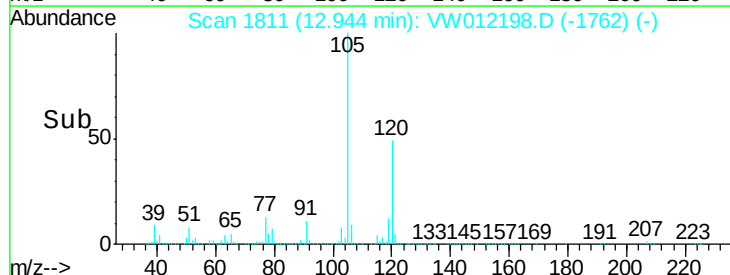
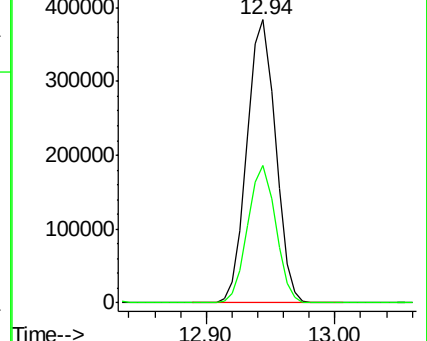
105 100

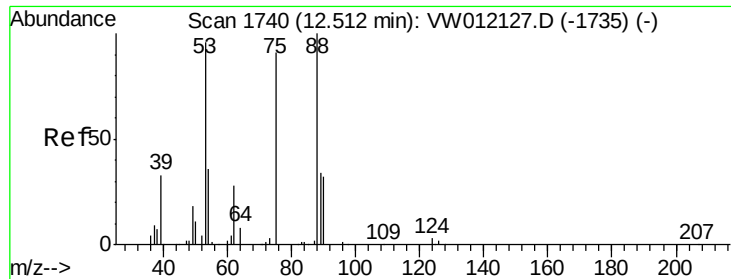
120 47.7 24.0 72.0



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: 50.997 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

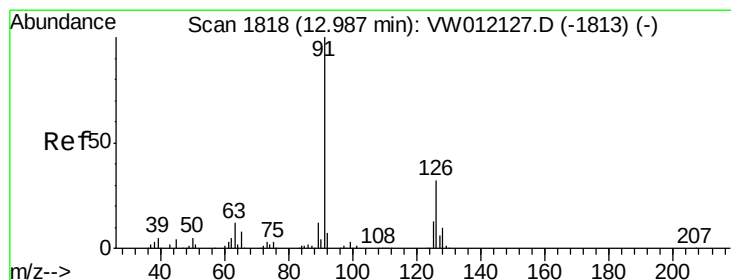
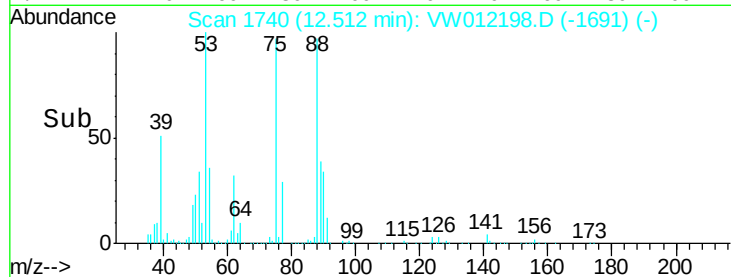
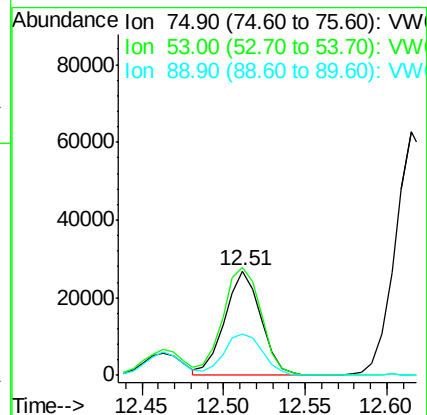
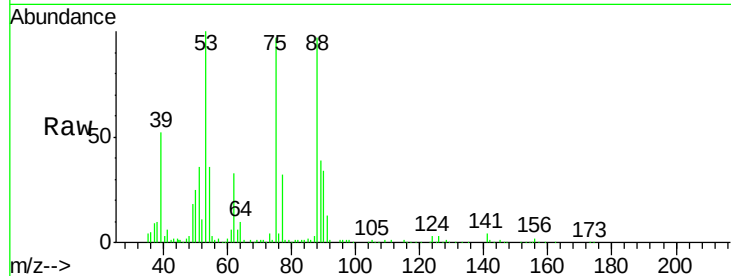
Tot Ion: 75 Resp: 41045

Ion Ratio Lower Upper

75 100

53 109.5 89.4 134.0

89 42.3 34.5 51.7



#82

4-Chlorotoluene

Concen: 50.605 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012198.D

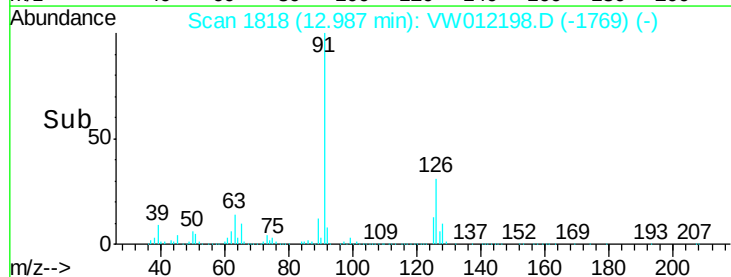
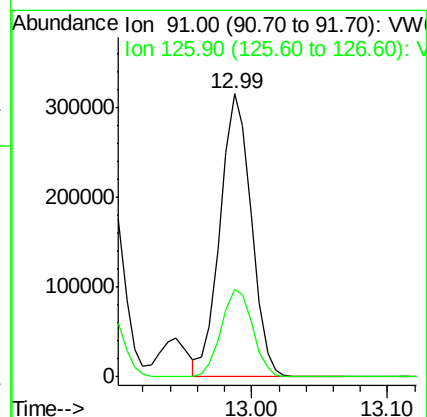
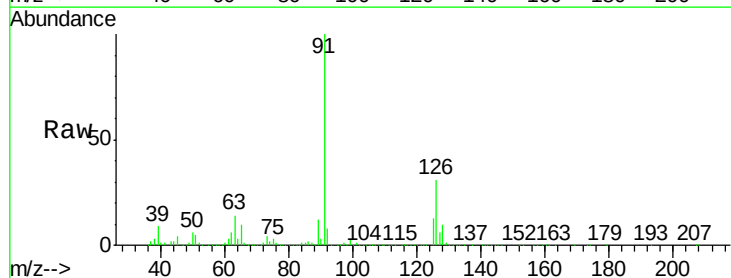
Acq: 27 Aug 2019 08:39

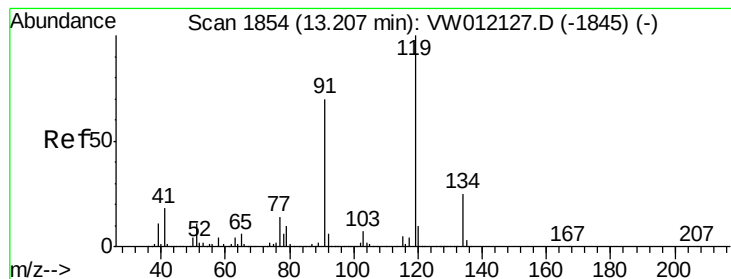
Tgt Ion: 91 Resp: 498617

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8





#83

tert-Butylbenzene

Concen: 52.373 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

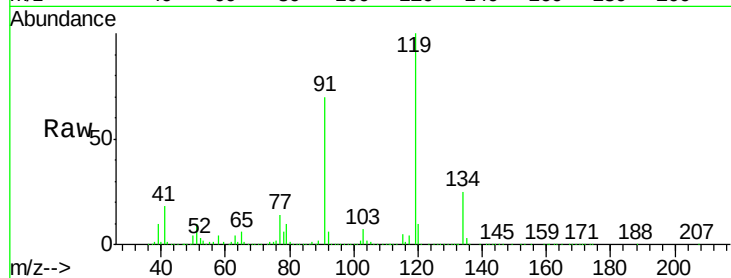
Tot Ion:119 Resp: 503306

Ion Ratio Lower Upper

119 100

91 68.7 34.8 104.3

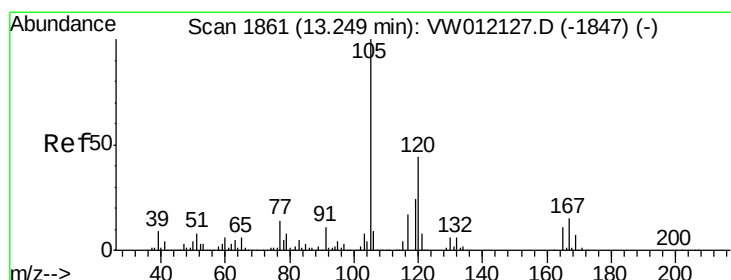
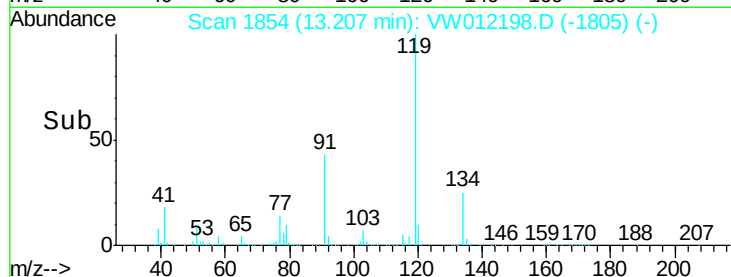
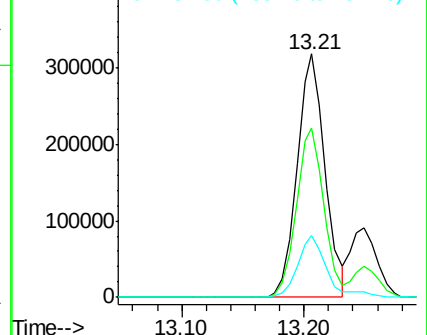
134 26.5 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.041 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012198.D

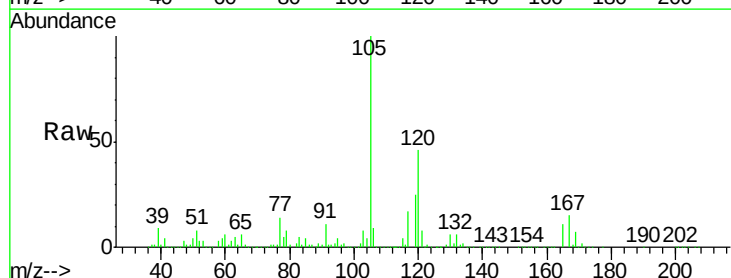
Acq: 27 Aug 2019 08:39

Tgt Ion:105 Resp: 581675

Ion Ratio Lower Upper

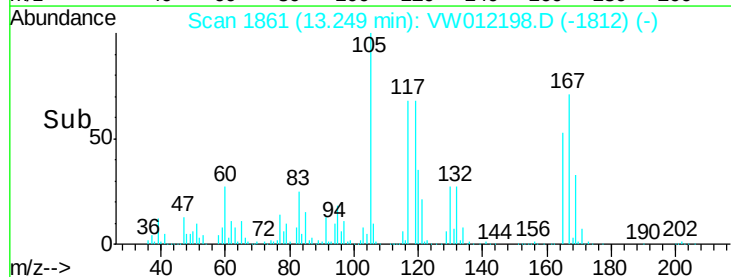
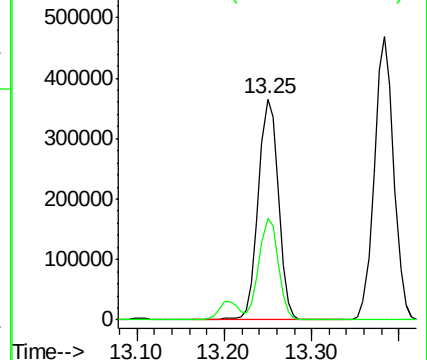
105 100

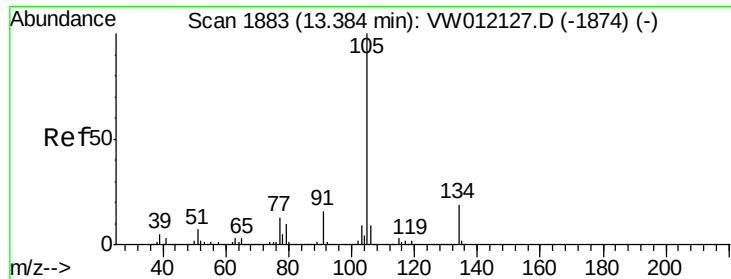
120 44.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.614 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

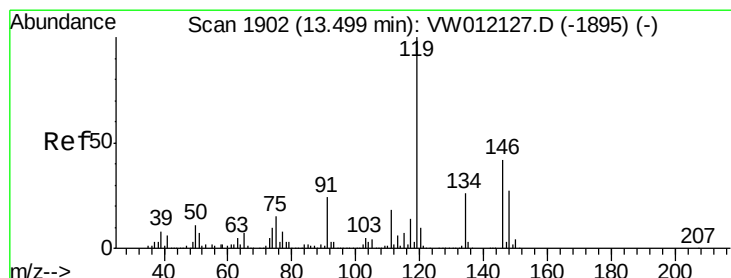
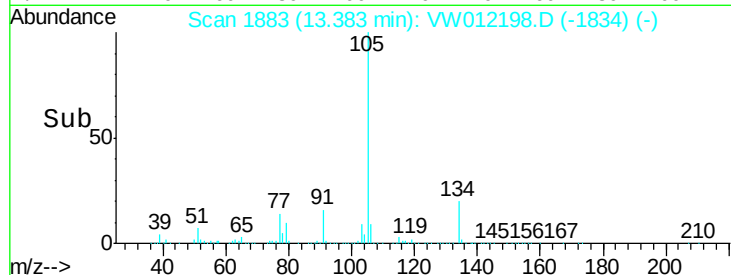
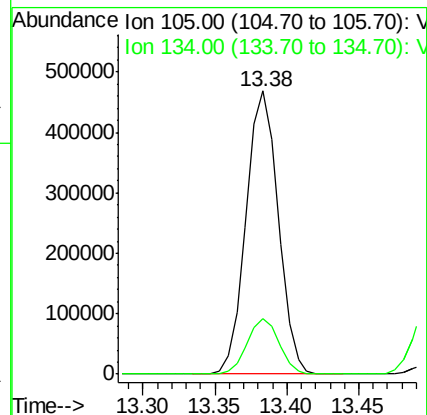
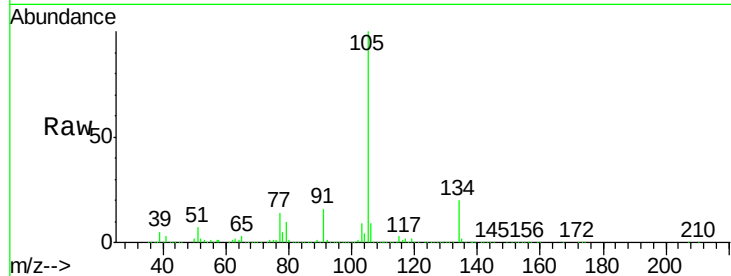
VSTDCCC050

Tot Ion:105 Resp: 724387

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.4



#86

p-Isopropyltoluene

Concen: 52.871 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

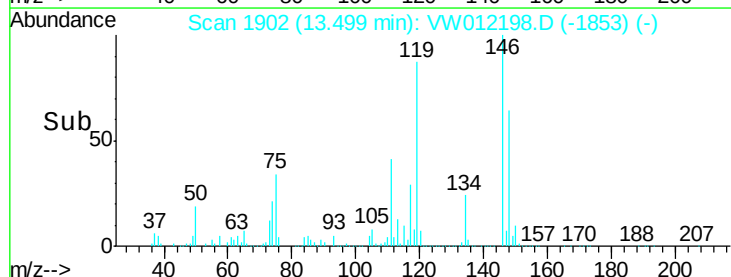
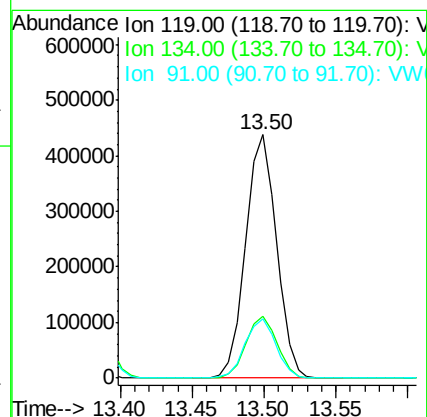
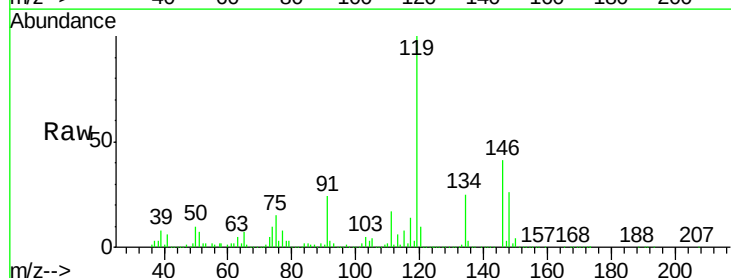
Tgt Ion:119 Resp: 650087

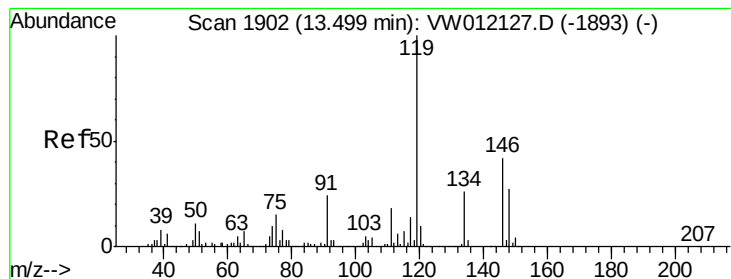
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.1 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 50.421 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

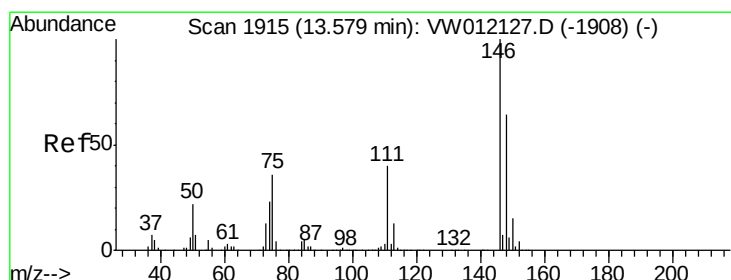
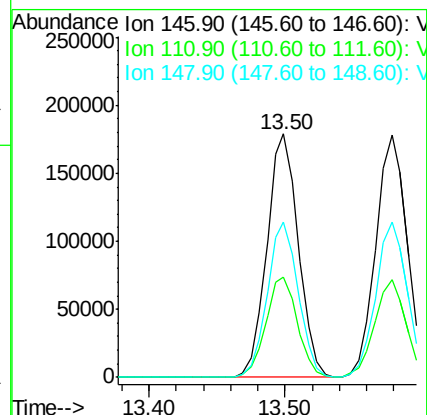
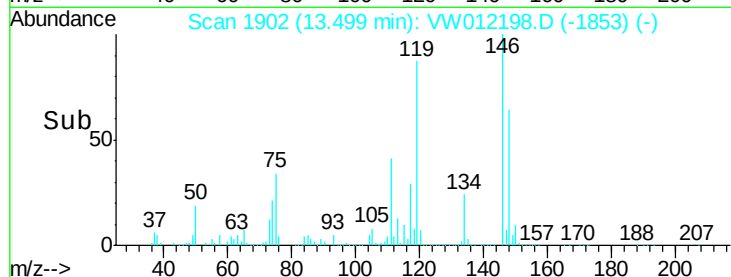
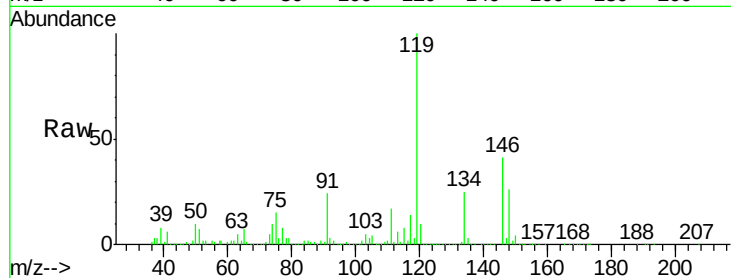
Tot Ion:146 Resp: 289672

Ion Ratio Lower Upper

146 100

111 41.4 20.9 62.7

148 62.8 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 49.704 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

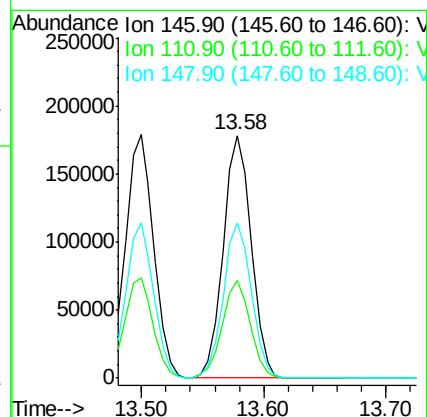
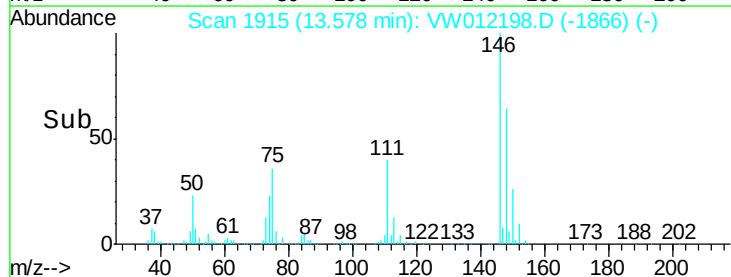
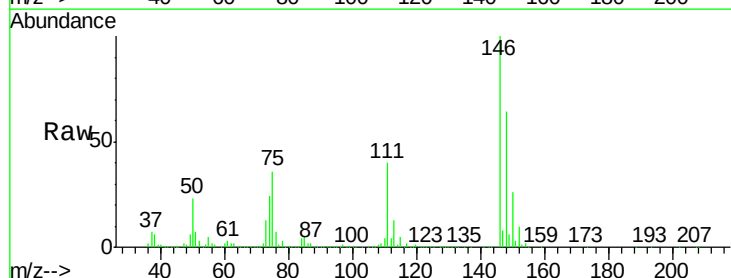
Tgt Ion:146 Resp: 283533

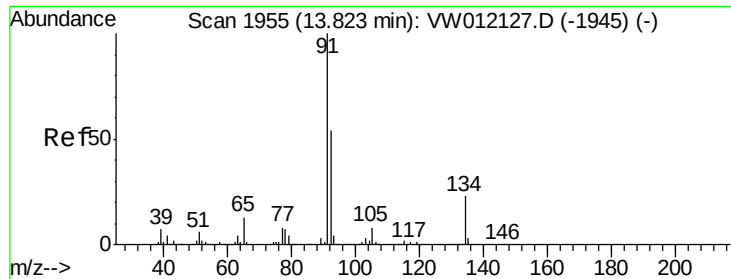
Ion Ratio Lower Upper

146 100

111 40.2 20.0 60.0

148 64.0 32.1 96.3





#89

n-Butylbenzene

Concen: 53.695 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012198.D

Acq: 27 Aug 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

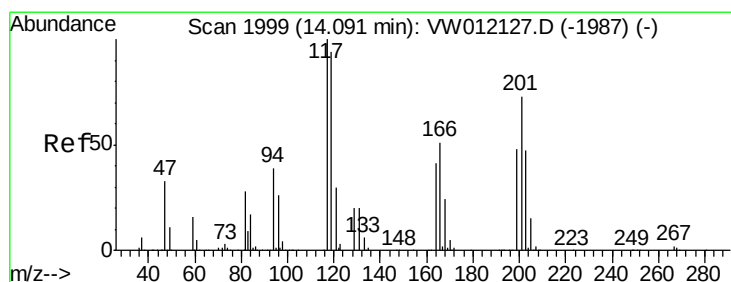
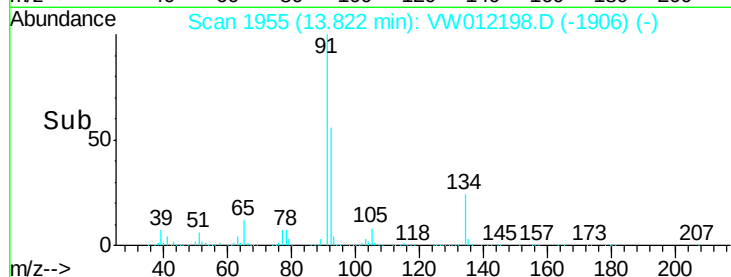
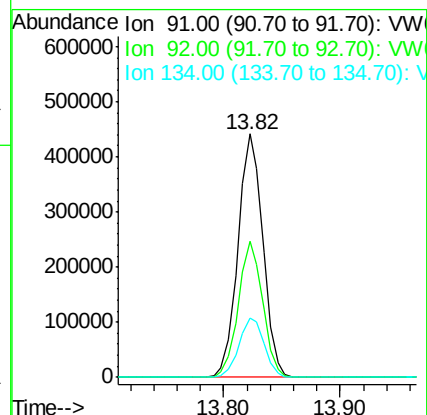
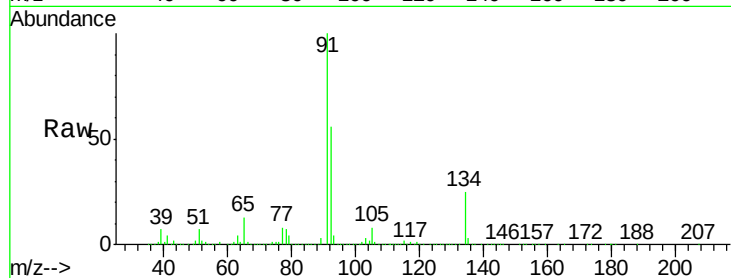
Tot Ion: 91 Resp: 656544

Ion Ratio Lower Upper

91 100

92 54.6 27.1 81.2

134 24.8 12.2 36.4



#90

Hexachloroethane

Concen: 52.488 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012198.D

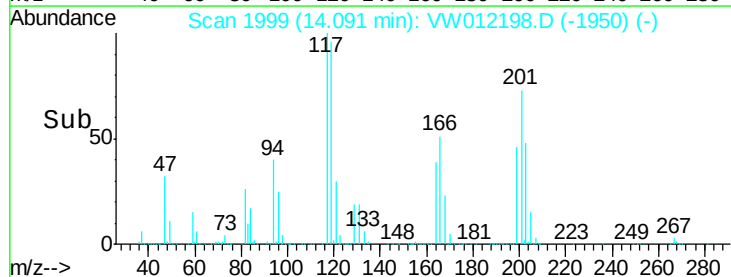
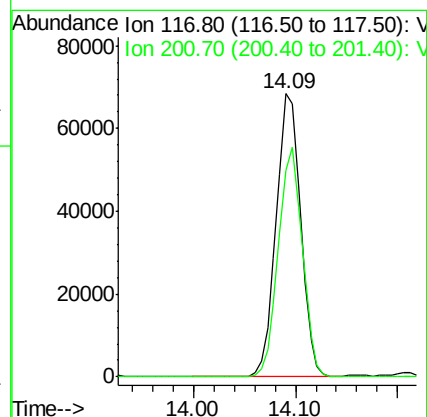
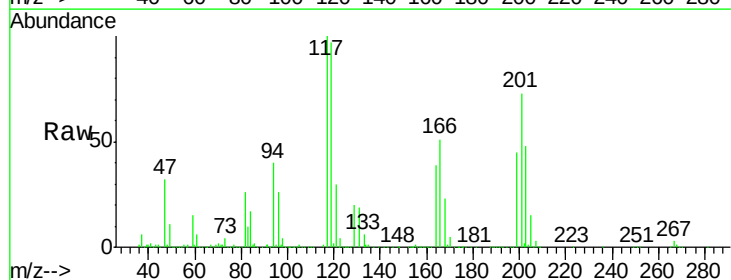
Acq: 27 Aug 2019 08:39

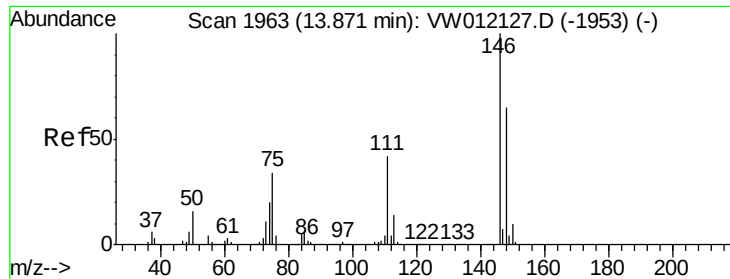
Tgt Ion: 117 Resp: 113228

Ion Ratio Lower Upper

117 100

201 79.4 38.6 115.7

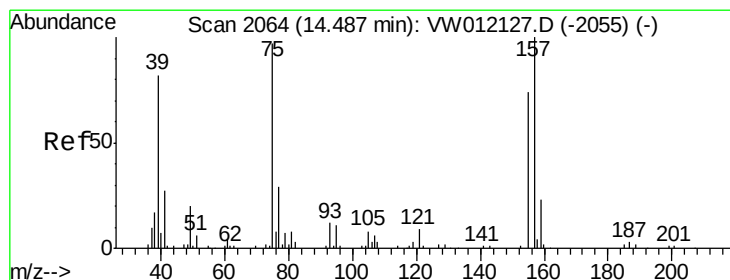
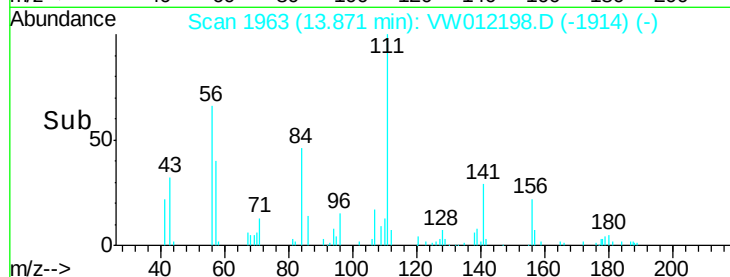
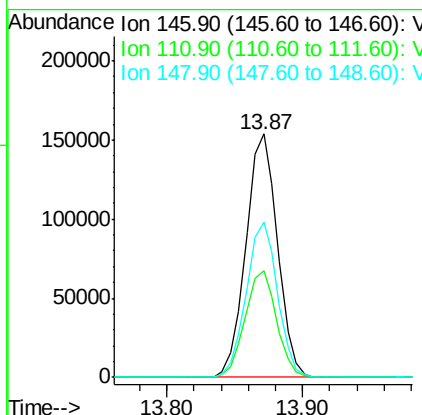
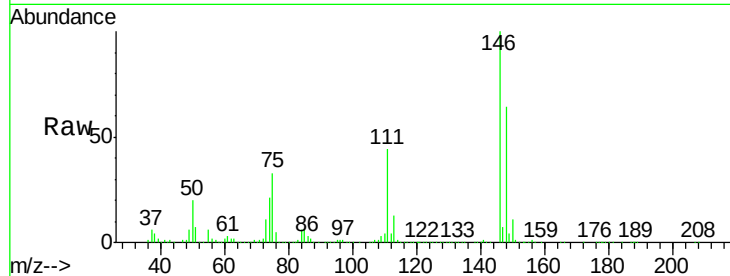




#91
 1,2-Dichlorobenzene
 Concen: 49.657 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

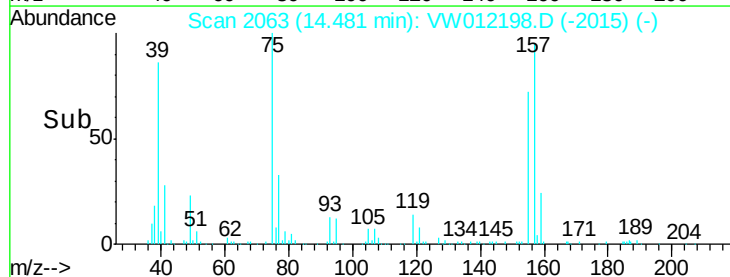
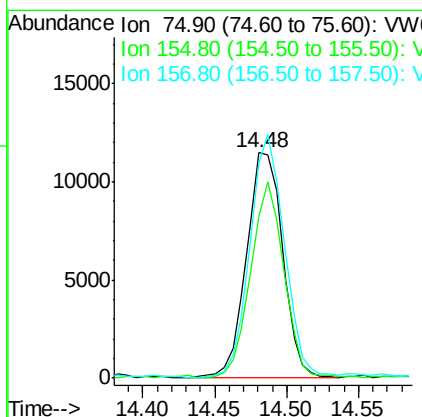
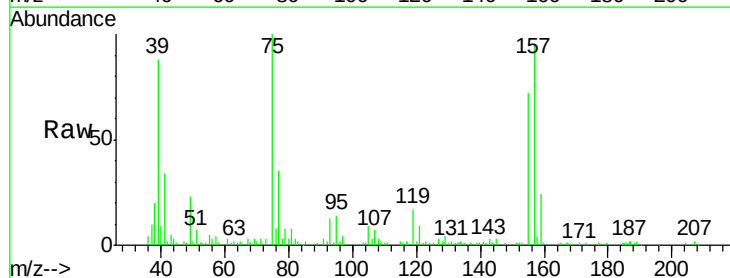
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

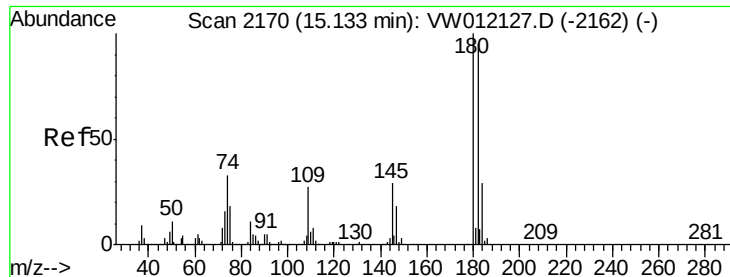
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.2	63.6
148	63.4	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.703 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	37.5	112.3
157	103.1	50.5	151.5

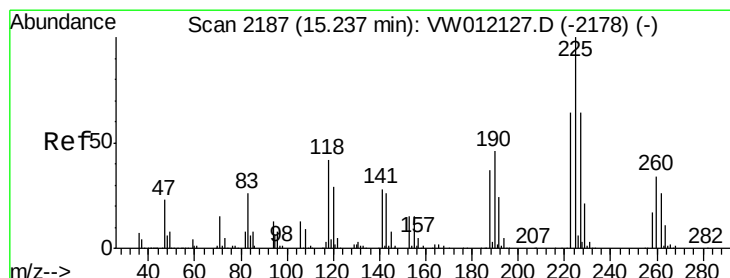
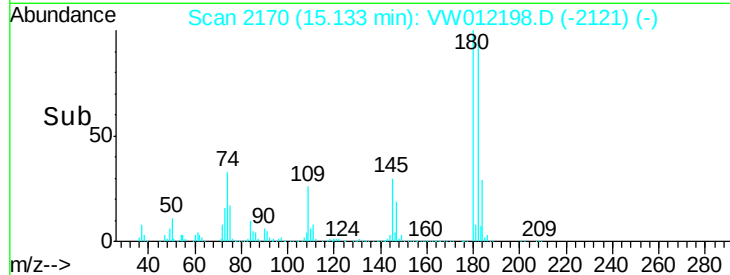
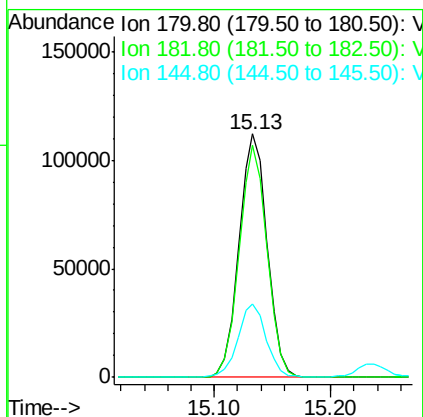
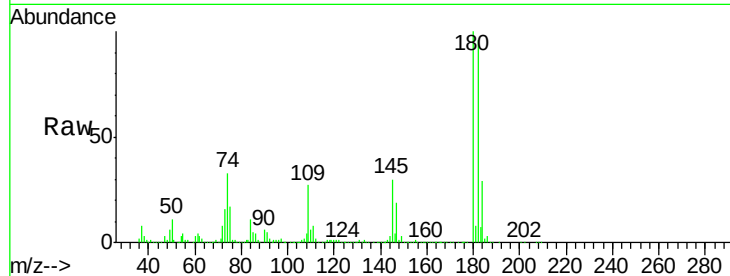




#93
 1,2,4-Trichlorobenzene
 Concen: 53.978 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

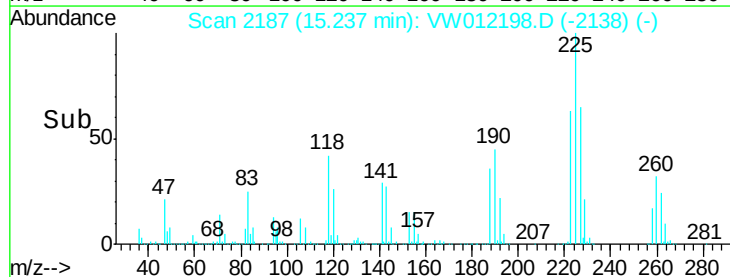
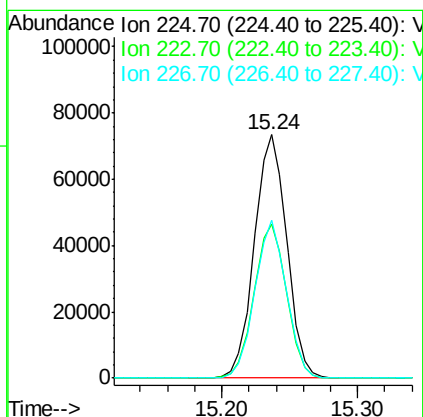
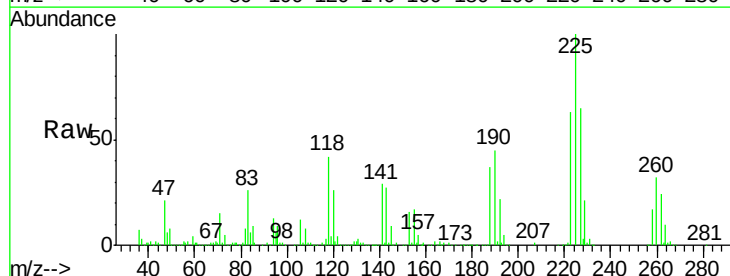
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

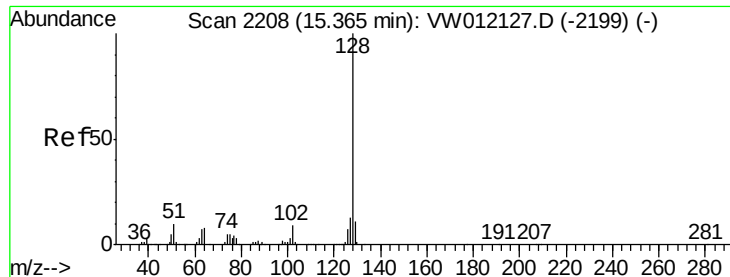
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.4
145	30.0	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 53.483 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012198.D
 Acq: 27 Aug 2019 08:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.3	96.8
227	63.0	32.9	98.6

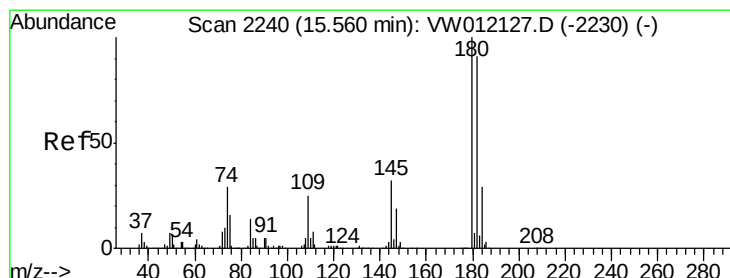
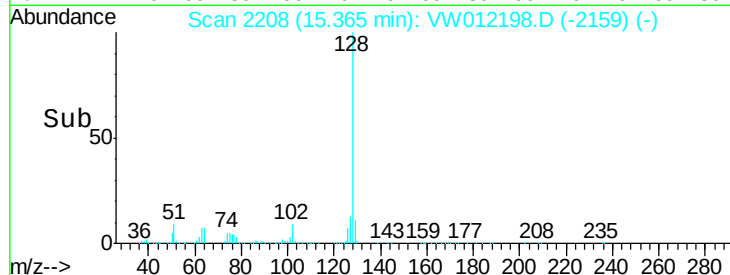
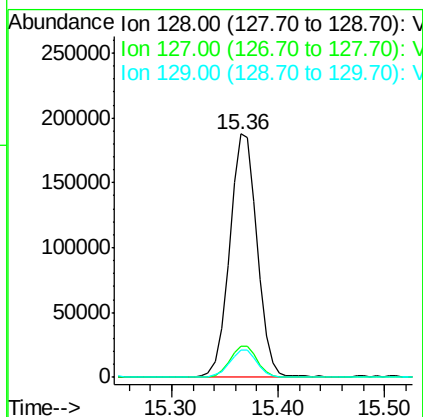
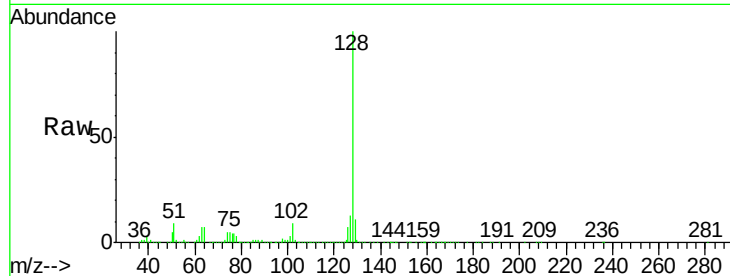




#95
Naphthalene
Concen: 49.458 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 337666
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.792 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012198.D
Acq: 27 Aug 2019 08:39

Tgt Ion:180 Resp: 163459
Ion Ratio Lower Upper
180 100
182 94.8 47.1 141.3
145 32.5 16.2 48.5

