

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011508.D
 Acq On : 26 Jul 2019 10:41
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 27 05:37:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154916	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	123333	47.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.58%	
35) Dibromofluoromethane	7.88	113	101256	48.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.58%	
50) Toluene-d8	10.32	98	401013	47.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.62	95	148474	49.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	64414	50.892	ug/l	93
3) Chloromethane	2.21	50	112733	51.365	ug/l	97
4) Vinyl Chloride	2.36	62	148113	56.055	ug/l	97
5) Bromomethane	2.78	94	79869	54.609	ug/l	96
6) Chloroethane	2.92	64	84447	55.950	ug/l	97
7) Trichlorofluoromethane	3.26	101	71031	60.151	ug/l	96
8) Diethyl Ether	3.68	74	76072	56.817	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	127304	56.829	ug/l	99
10) Methyl Iodide	4.27	142	183379	57.927	ug/l	100
11) Tert butyl alcohol	5.18	59	46533	241.154	ug/l	100
12) 1,1-Dichloroethene	4.04	96	135178	57.153	ug/l	98
13) Acrolein	3.89	56	41891	223.875	ug/l	98
14) Allyl chloride	4.67	41	299029	59.442	ug/l	99
15) Acrylonitrile	5.36	53	187057	279.872	ug/l	99
16) Acetone	4.12	43	236090	284.604	ug/l	96
17) Carbon Disulfide	4.38	76	428388	57.869	ug/l	100
18) Methyl Acetate	4.67	43	98505	52.859	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	215057	57.298	ug/l	97
20) Methylene Chloride	4.92	84	148244	51.817	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	146782	57.562	ug/l	99
22) Diisopropyl ether	6.31	45	540704	57.009	ug/l	99
23) Vinyl Acetate	6.25	43	1727592	289.883	ug/l	100
24) 1,1-Dichloroethane	6.21	63	292613	57.606	ug/l	98
25) 2-Butanone	7.16	43	304192	280.239	ug/l	98
26) 2,2-Dichloropropane	7.16	77	168825	54.043	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	160716	57.267	ug/l	99
28) Bromochloromethane	7.51	49	106061	47.041	ug/l	100
29) Tetrahydrofuran	7.52	42	170727	275.159	ug/l	99
30) Chloroform	7.67	83	262921	56.105	ug/l	99
31) Cyclohexane	7.95	56	263665	54.075	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	209234	58.627	ug/l	99
36) 1,1-Dichloropropene	8.08	75	221952	57.703	ug/l	99
37) Ethyl Acetate	7.25	43	121260	54.795	ug/l	99
38) Carbon Tetrachloride	8.07	117	188797	57.336	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	244349	57.692	ug/l	98
40) Benzene	8.32	78	610606	56.673	ug/l	99
41) Methacrylonitrile	7.48	41	74859	56.589	ug/l	95
42) 1,2-Dichloroethane	8.40	62	189853	56.282	ug/l	100
43) Isopropyl Acetate	8.42	43	228655	56.183	ug/l	99
44) Trichloroethene	9.09	130	148561	57.370	ug/l	98
45) 1,2-Dichloropropane	9.37	63	163867	56.843	ug/l	98
46) Dibromomethane	9.46	93	73577	55.920	ug/l	100
47) Bromodichloromethane	9.65	83	197852	57.325	ug/l	99
48) Methyl methacrylate	9.43	41	110608	56.578	ug/l	97
49) 1,4-Dioxane	9.45	88	20281	1064.544	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	586345	276.982	ug/l	100
52) Toluene	10.39	92	376573	57.877	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	206649	57.317	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	247271	57.682	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	104289	55.863	ug/l	98
56) Ethyl methacrylate	10.65	69	157332	57.592	ug/l	99
57) 1,3-Dichloropropane	10.93	76	197163	55.823	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	316007	254.771	ug/l	99
59) 2-Hexanone	10.97	43	434109	290.438	ug/l	100
60) Dibromochloromethane	11.13	129	116944	56.433	ug/l	99
61) 1,2-Dibromoethane	11.24	107	98735	55.887	ug/l	99
64) Tetrachloroethene	10.86	164	120038	57.890	ug/l	98
65) Chlorobenzene	11.66	112	369227	57.668	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	130045	58.311	ug/l	99
67) Ethyl Benzene	11.73	91	717115	58.808	ug/l	100
68) m/p-Xylenes	11.84	106	520844	117.449	ug/l	100
69) o-Xylene	12.16	106	241627	58.634	ug/l	100
70) Styrene	12.18	104	421060	59.095	ug/l	100
71) Bromoform	12.35	173	66871	58.809	ug/l #	99
73) Isopropylbenzene	12.46	105	670279	57.997	ug/l	100
74) N-amyl acetate	12.27	43	208306	57.571	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	121939	56.093	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	165400	100.904	ug/l #	100
77) Bromobenzene	12.75	156	146963	57.532	ug/l	100
78) n-propylbenzene	12.80	91	825092	58.663	ug/l	99
79) 2-Chlorotoluene	12.89	91	468208	57.783	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	563968	58.215	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42164	59.281	ug/l	98
82) 4-Chlorotoluene	12.99	91	484387	56.976	ug/l	99
83) tert-Butylbenzene	13.21	119	475511	58.695	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	560952	57.480	ug/l	100
85) sec-Butylbenzene	13.38	105	675924	58.473	ug/l	100
86) p-Isopropyltoluene	13.50	119	611618	58.315	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	285397	56.980	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	278626	55.921	ug/l	99
89) n-Butylbenzene	13.82	91	616684	58.919	ug/l	99
90) Hexachloroethane	14.10	117	109433	59.006	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	251885	56.859	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20348	54.890	ug/l	97

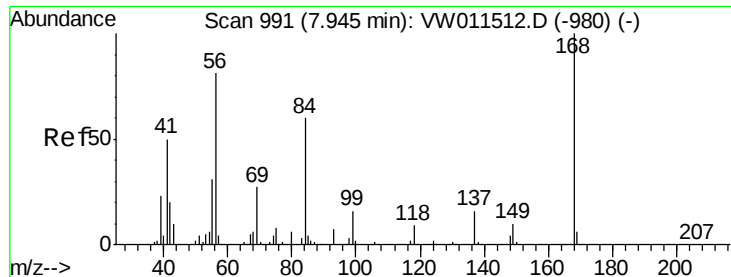
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	179897	57.620	ug/l	99
94) Hexachlorobutadiene	15.24	225	112169	57.610	ug/l	99
95) Naphthalene	15.37	128	323346	52.752	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	153494	56.086	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

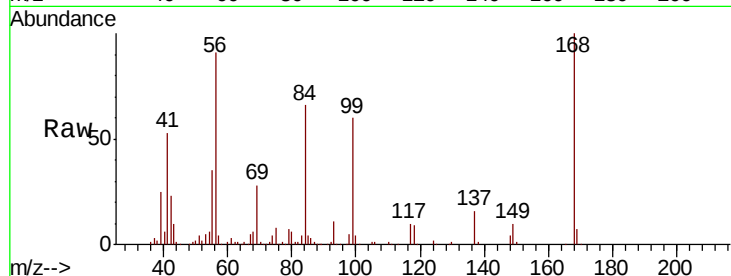
VSTDCCC050

Tot Ion:168 Resp: 227106

Ion Ratio Lower Upper

168 100

99 60.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

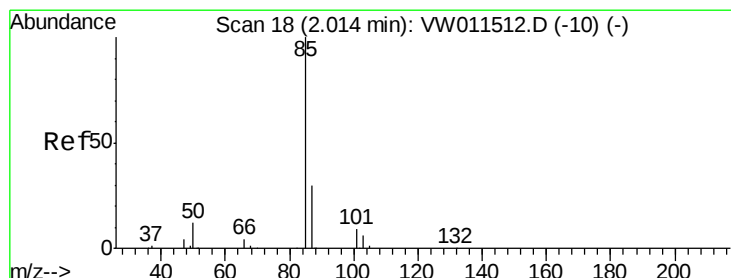
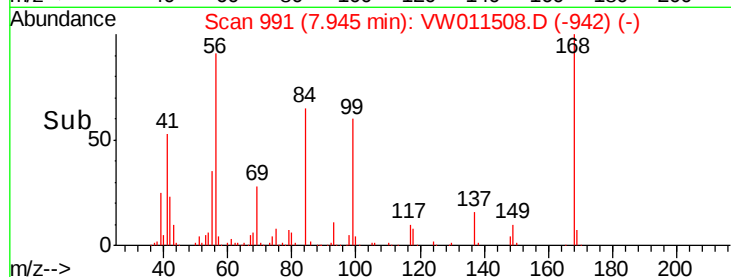
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 50.892 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011508.D

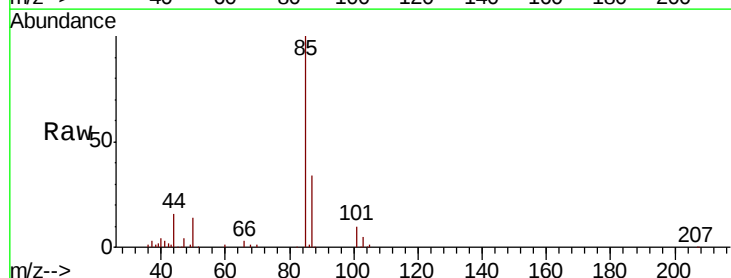
Acq: 26 Jul 2019 10:41

Tgt Ion: 85 Resp: 64414

Ion Ratio Lower Upper

85 100

87 34.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

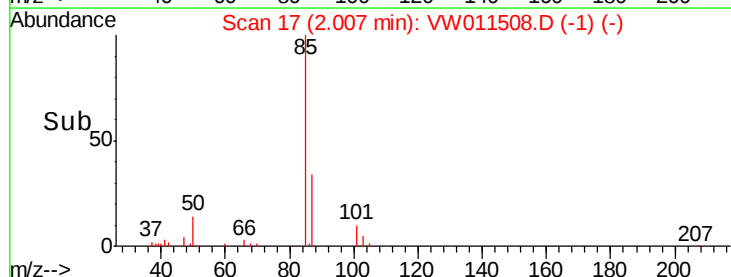
15000

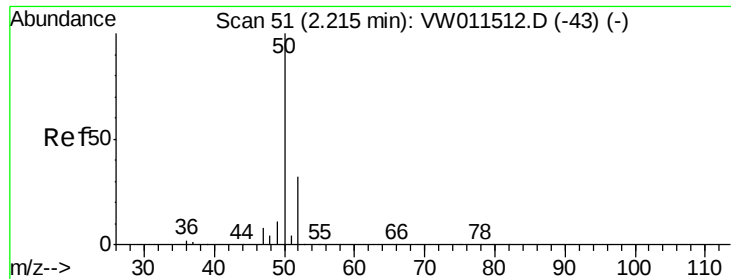
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 51.365 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

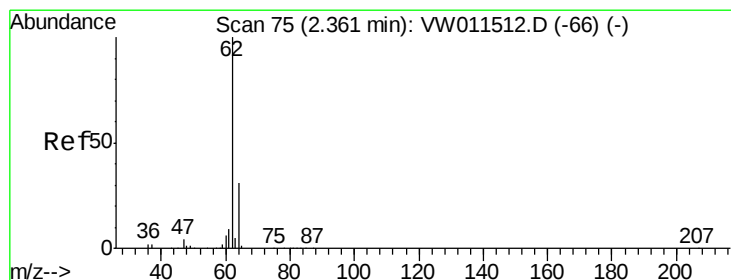
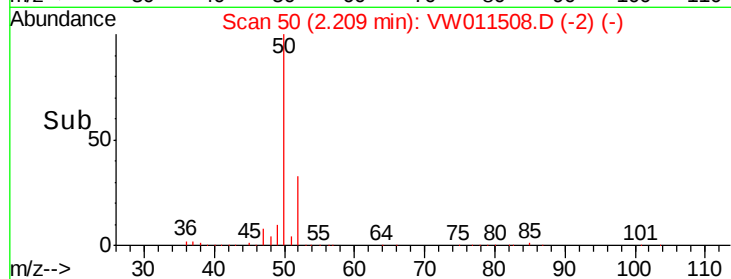
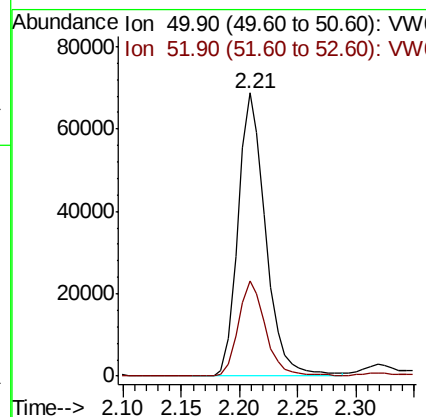
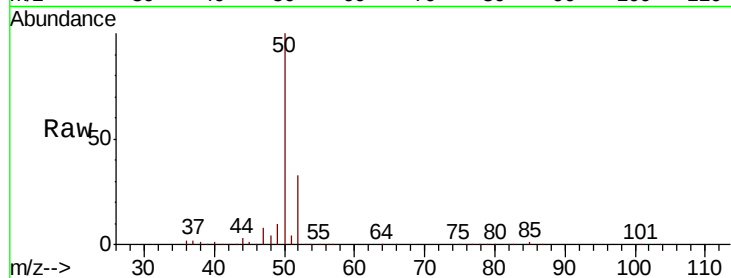
VSTDCCC050

Tot Ion: 50 Resp: 112733

Ion Ratio Lower Upper

50 100

52 33.5 25.4 38.2



#4

Vinyl Chloride

Concen: 56.055 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011508.D

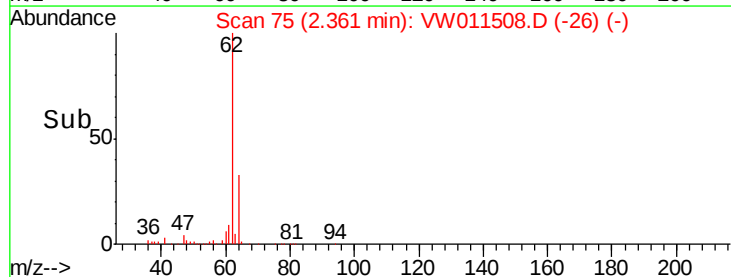
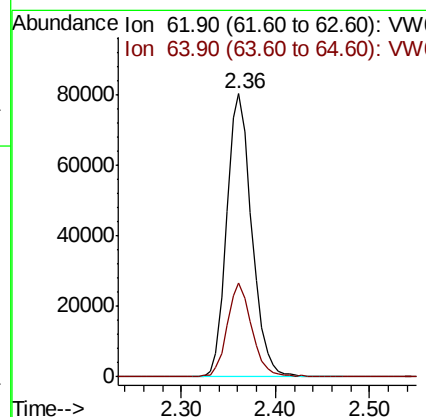
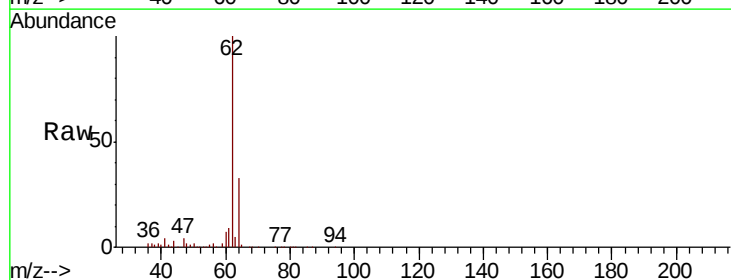
Acq: 26 Jul 2019 10:41

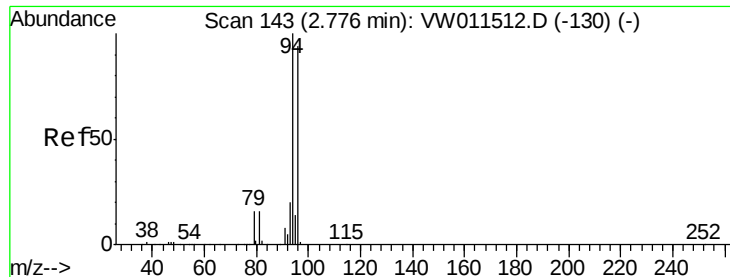
Tgt Ion: 62 Resp: 148113

Ion Ratio Lower Upper

62 100

64 32.9 25.0 37.4





#5

Bromomethane

Concen: 54.609 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

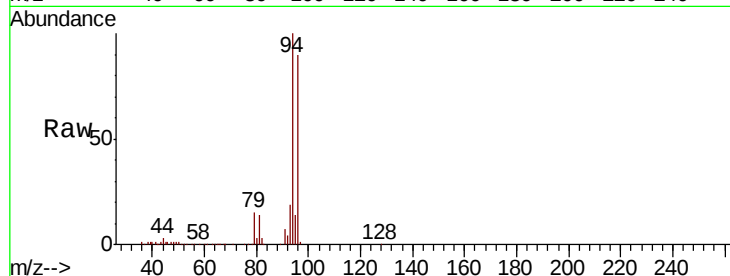
VSTDCCC050

Tot Ion: 94 Resp: 79869

Ion Ratio Lower Upper

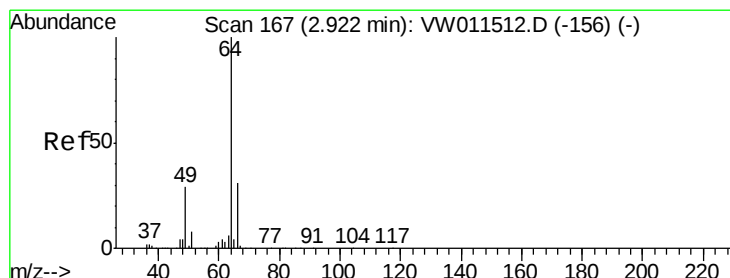
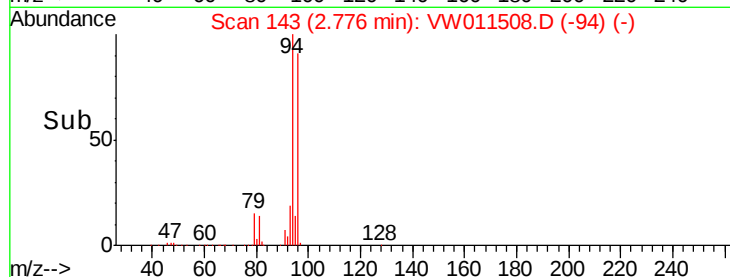
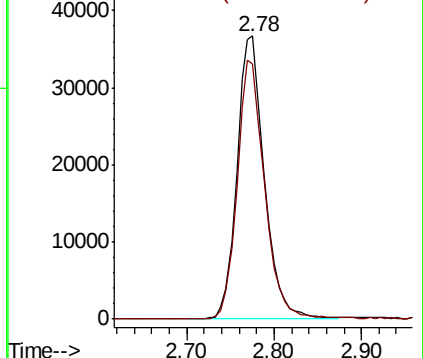
94 100

96 90.4 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 55.950 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011508.D

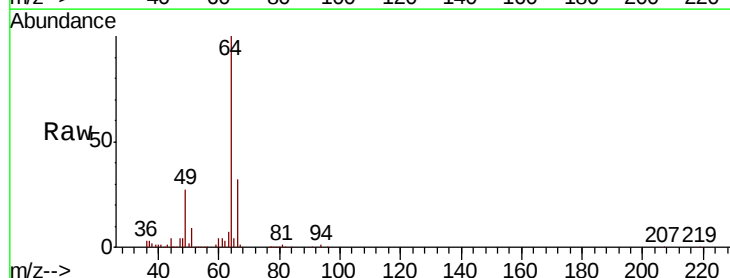
Acq: 26 Jul 2019 10:41

Tgt Ion: 64 Resp: 84447

Ion Ratio Lower Upper

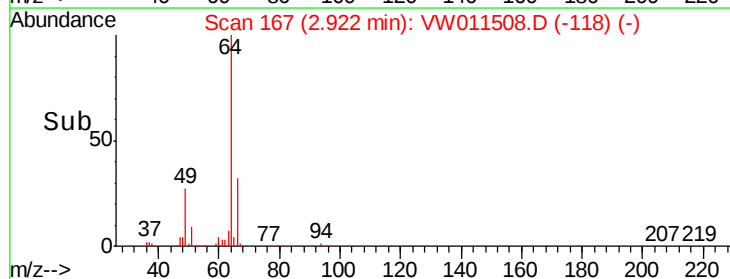
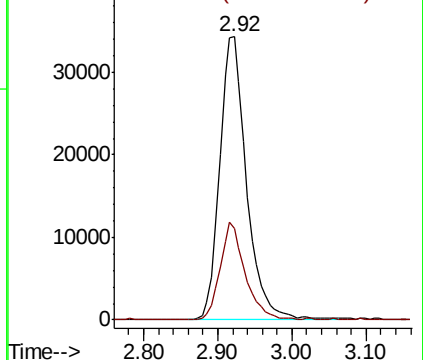
64 100

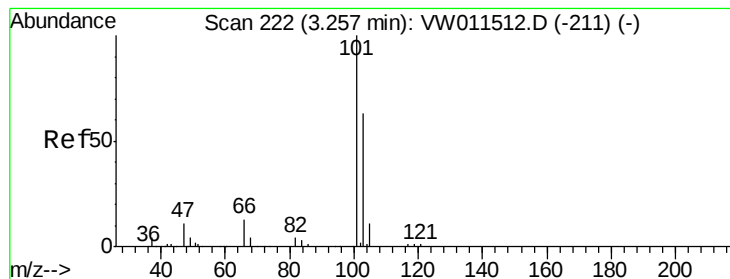
66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



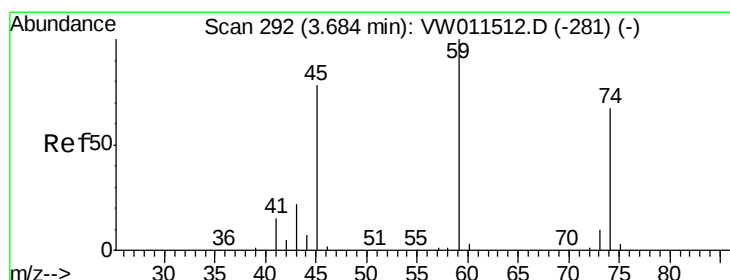
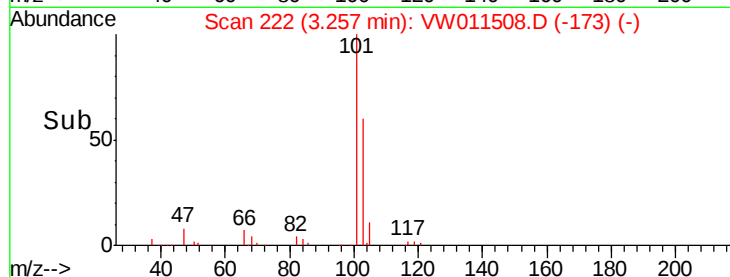
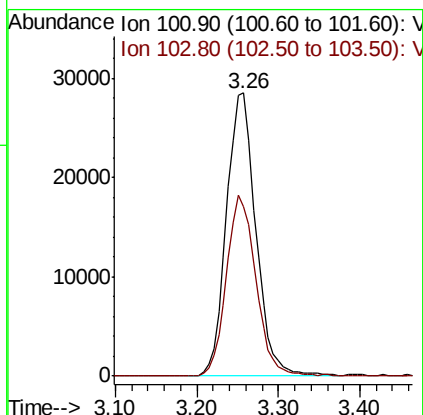
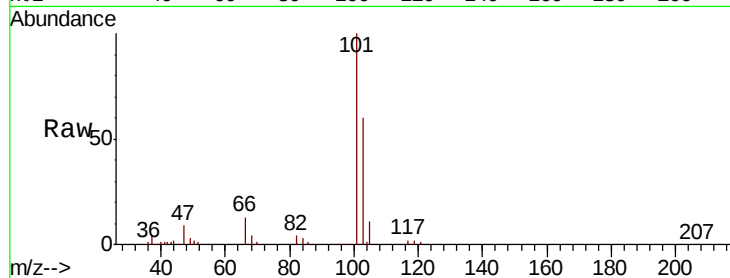


#7

Trichlorofluoromethane
 Concen: 60.151 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

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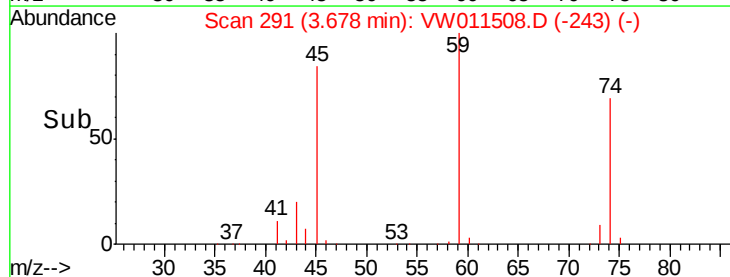
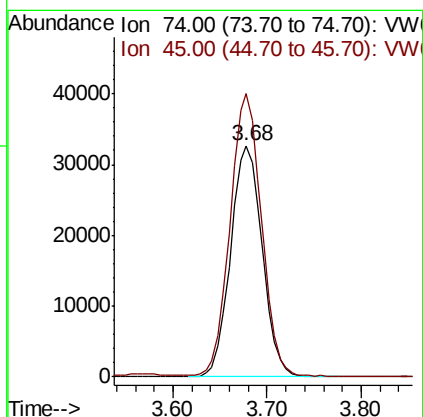
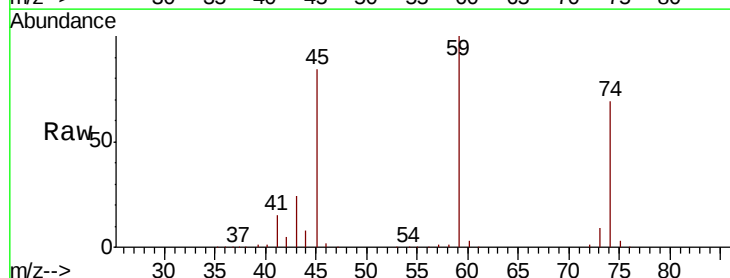
Tot Ion:101 Resp: 71031
 Ion Ratio Lower Upper
 101 100
 103 60.0 50.2 75.4

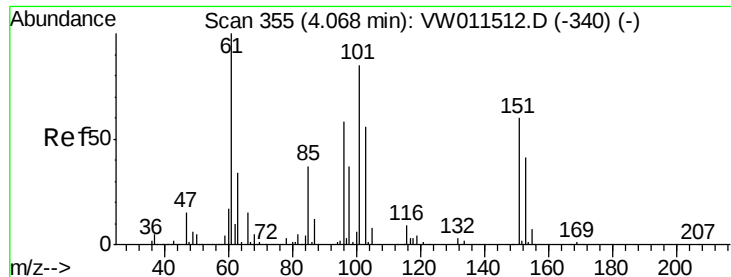


#8

Diethyl Ether
 Concen: 56.817 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion: 74 Resp: 76072
 Ion Ratio Lower Upper
 74 100
 45 121.6 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.829 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

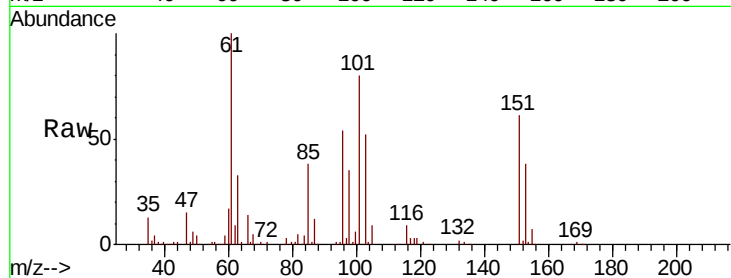
Tot Ion:101 Resp: 127304

Ion Ratio Lower Upper

101 100

85 45.3 36.6 54.8

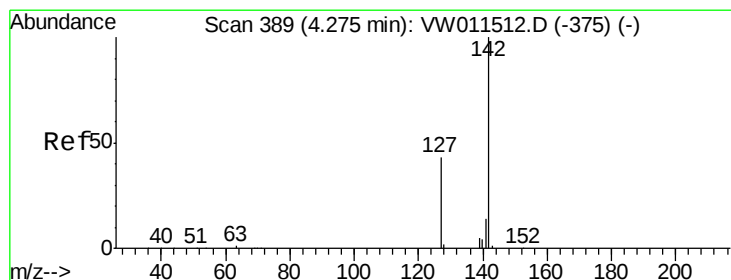
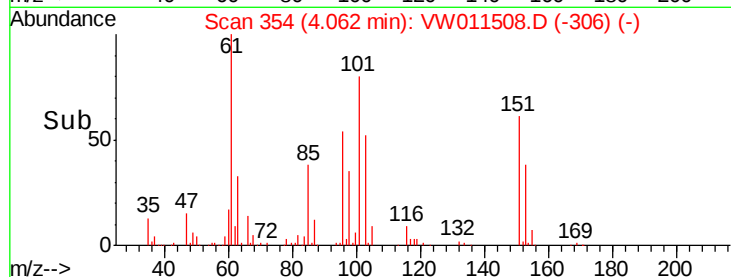
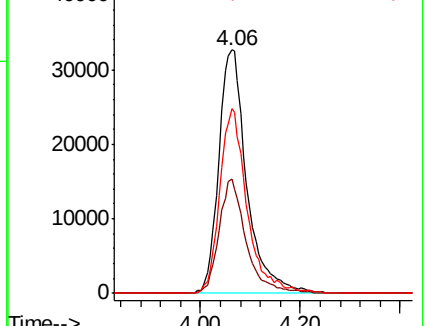
151 74.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.927 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

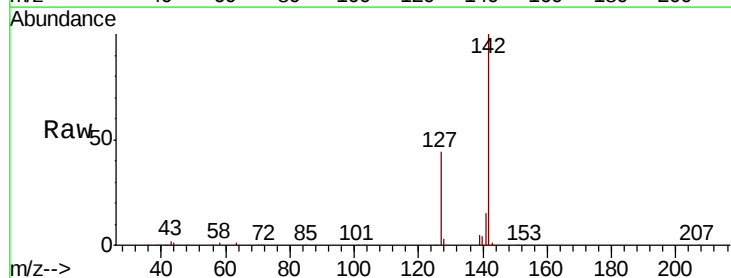
Tgt Ion:142 Resp: 183379

Ion Ratio Lower Upper

142 100

127 43.9 35.0 52.6

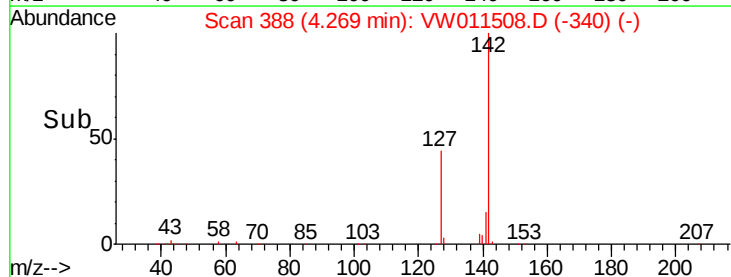
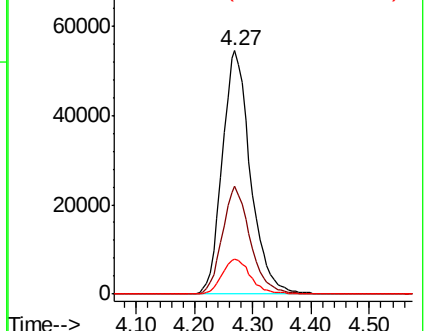
141 14.7 11.9 17.9

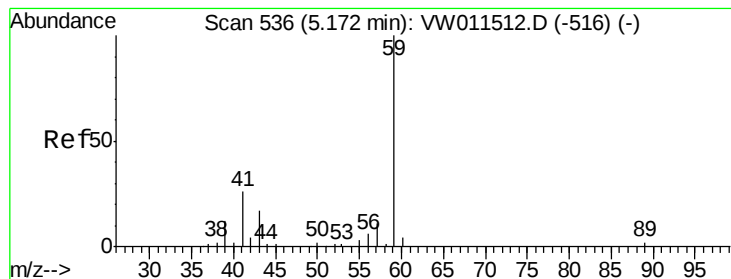


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



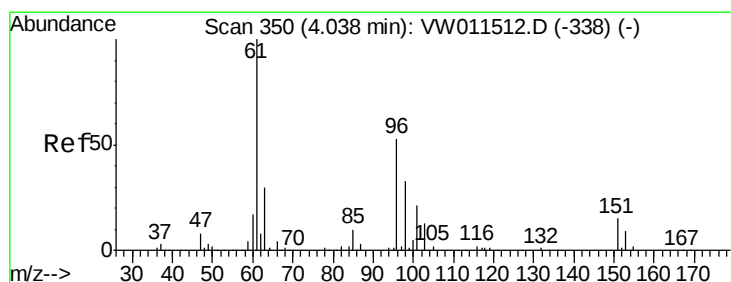
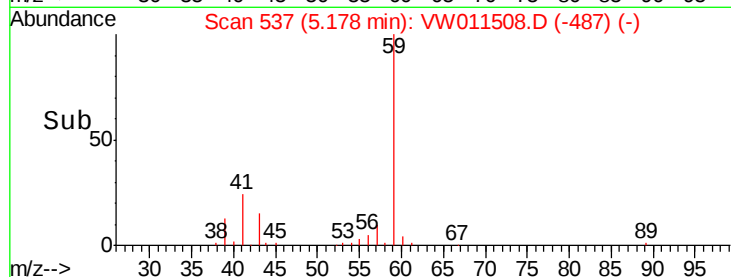
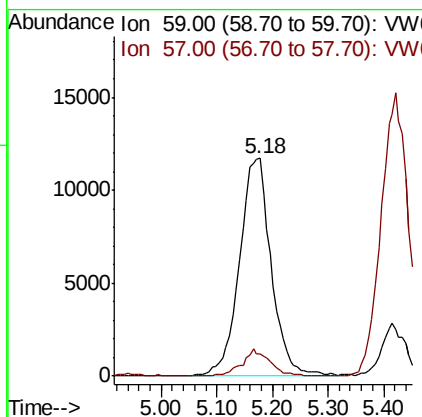
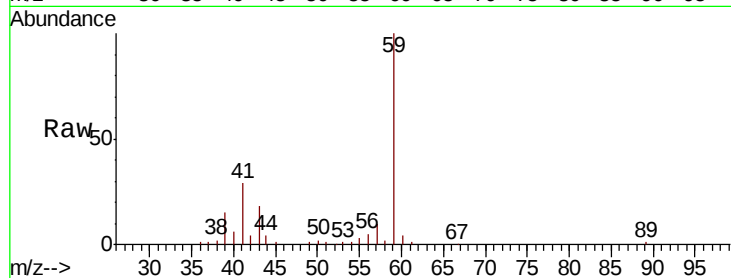


#11

Tert butyl alcohol
 Concen: 241.154 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

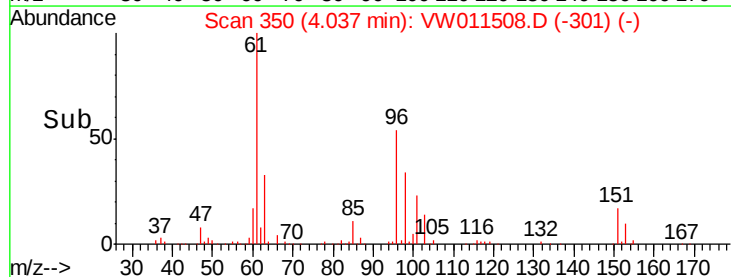
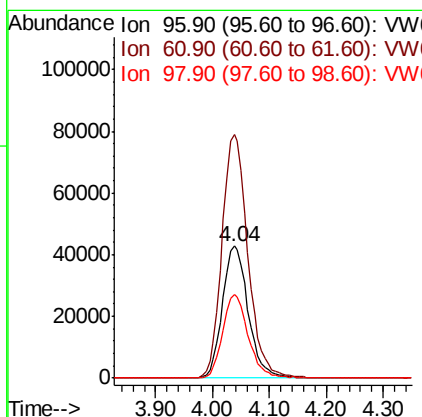
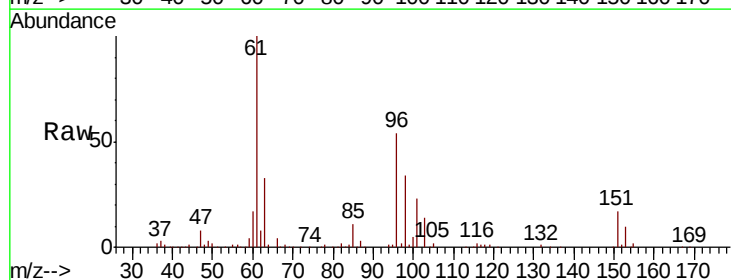
Tot Ion: 59 Resp: 46533
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7

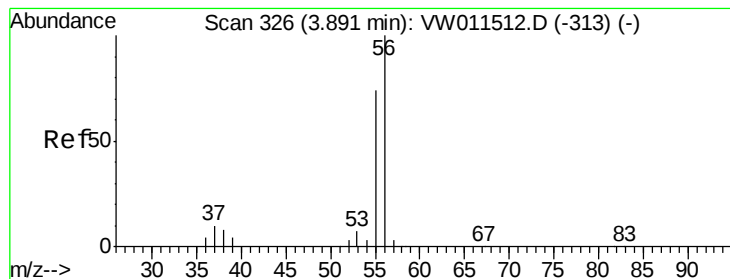


#12

1,1-Dichloroethene
 Concen: 57.153 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion: 96 Resp: 135178
 Ion Ratio Lower Upper
 96 100
 61 184.5 149.9 224.9
 98 63.5 49.1 73.7





#13

Acrolein

Concen: 223.875 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

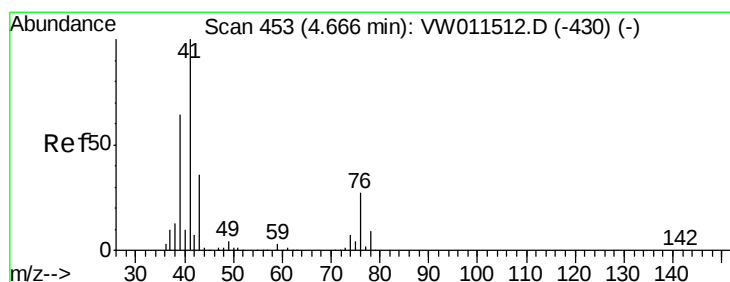
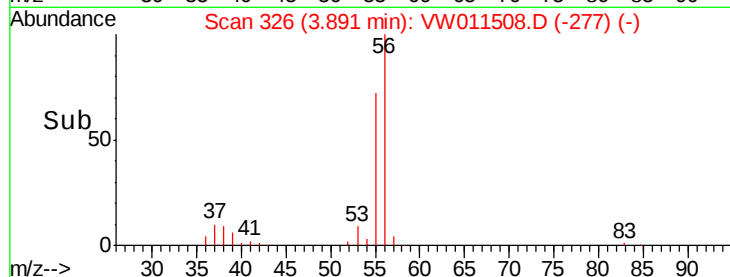
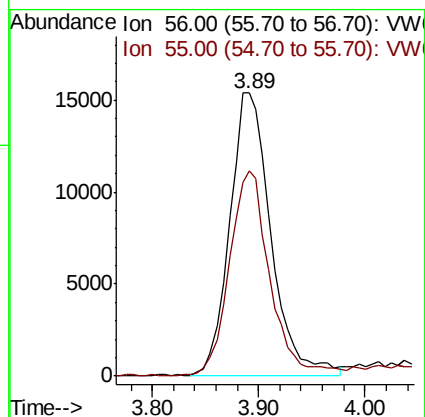
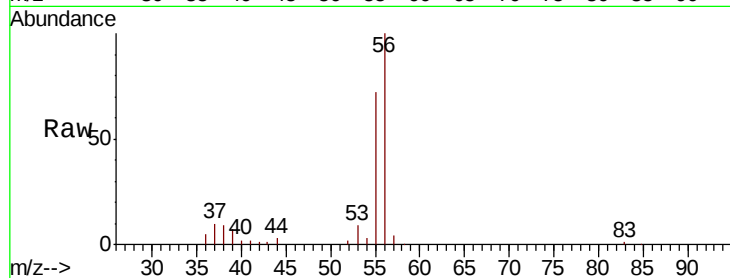
VSTDCCC050

Tot Ion: 56 Resp: 41891

Ion Ratio Lower Upper

56 100

55 71.3 56.0 84.0



#14

Allyl chloride

Concen: 59.442 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

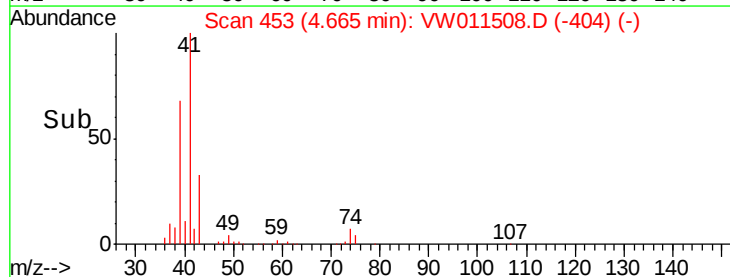
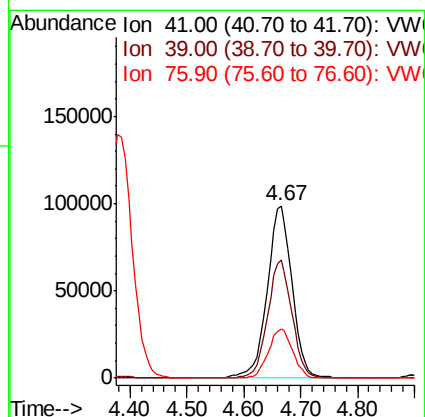
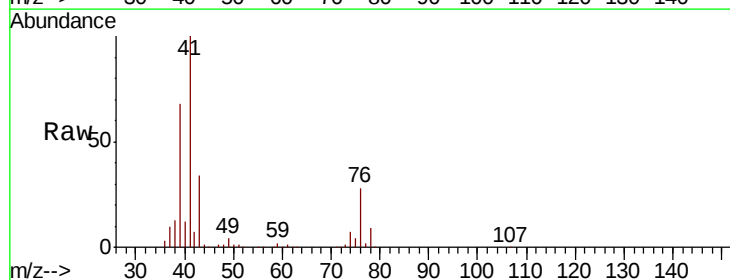
Tgt Ion: 41 Resp: 299029

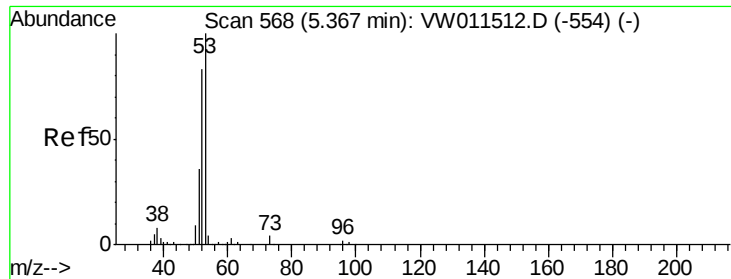
Ion Ratio Lower Upper

41 100

39 66.5 52.6 78.8

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 279.872 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

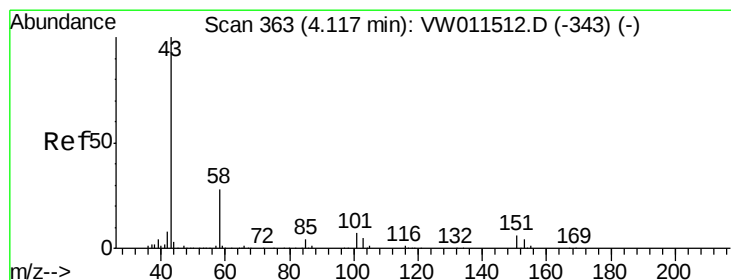
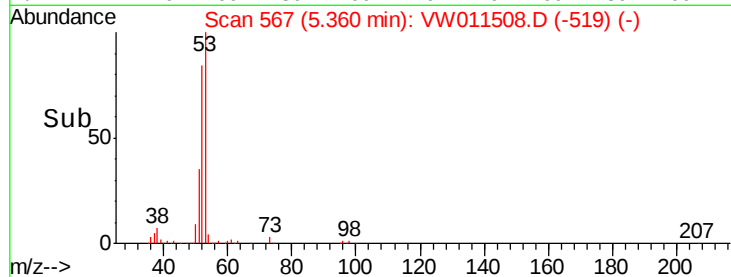
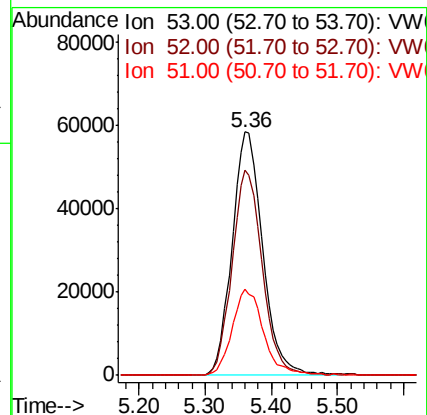
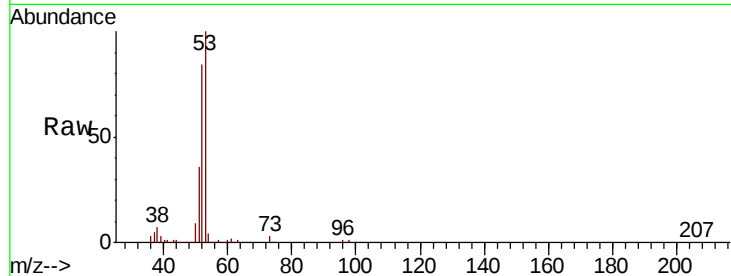
Tot Ion: 53 Resp: 187057

Ion Ratio Lower Upper

53 100

52 83.3 67.2 100.8

51 36.6 30.0 45.0



#16

Acetone

Concen: 284.604 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011508.D

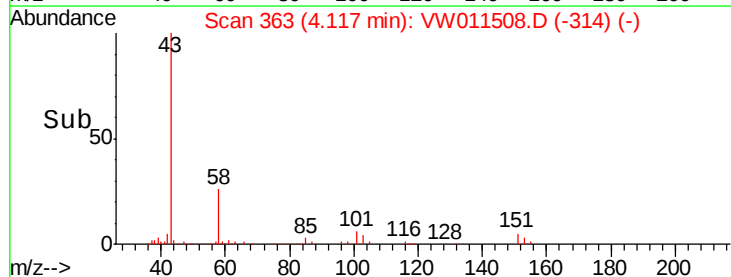
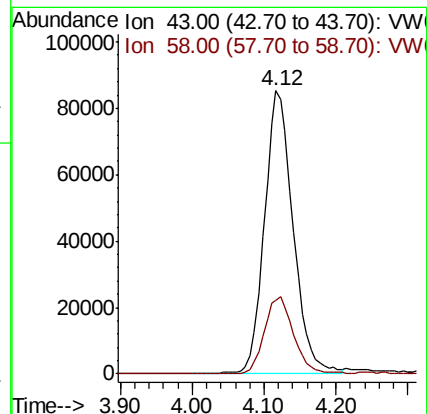
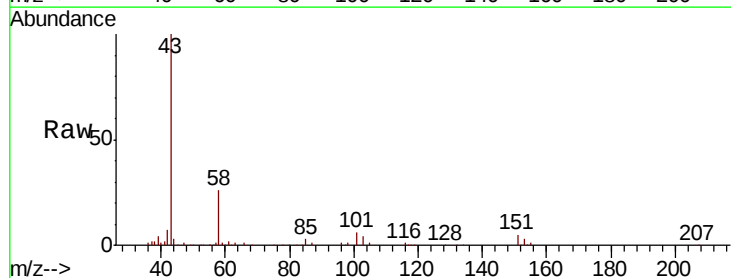
Acq: 26 Jul 2019 10:41

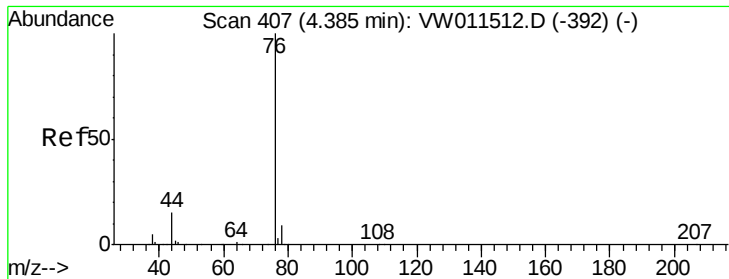
Tgt Ion: 43 Resp: 236090

Ion Ratio Lower Upper

43 100

58 25.9 22.3 33.5

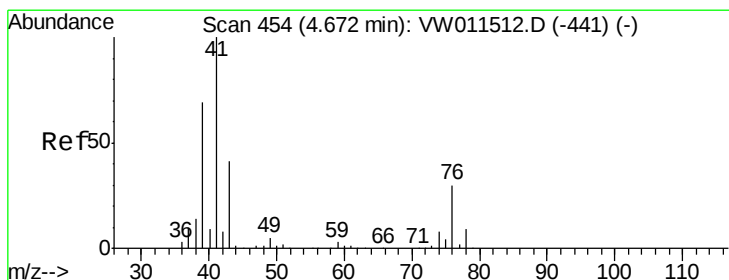
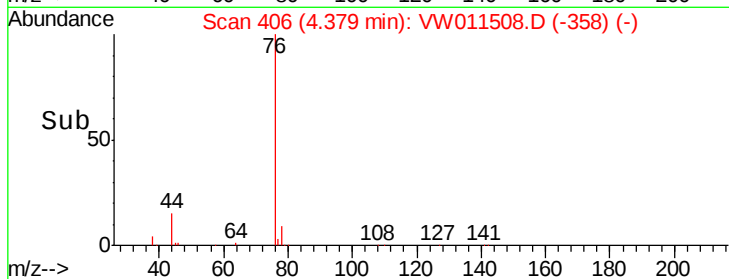
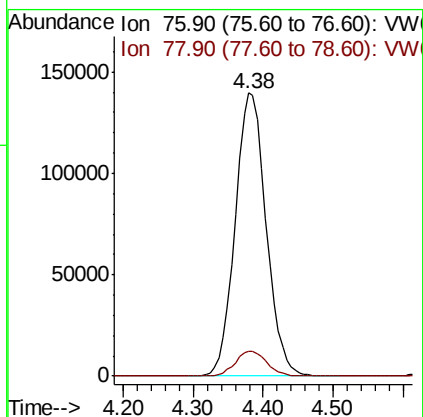
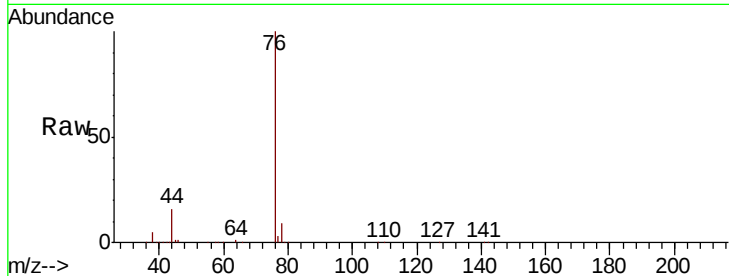




#17
Carbon Disulfide
Concen: 57.869 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

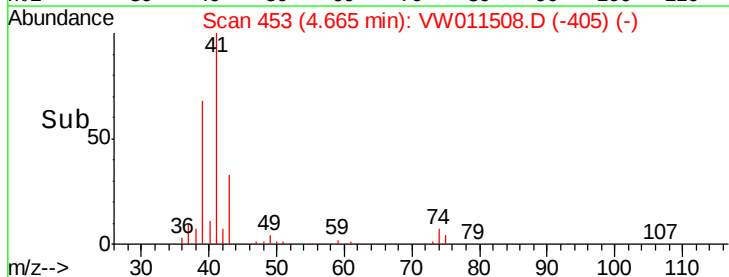
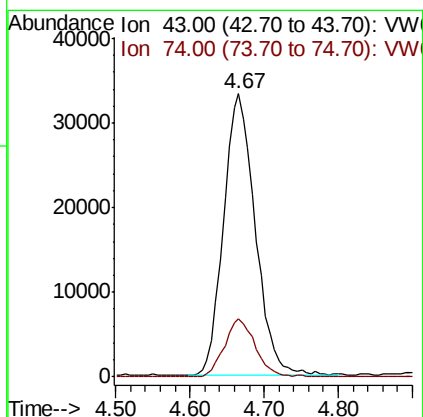
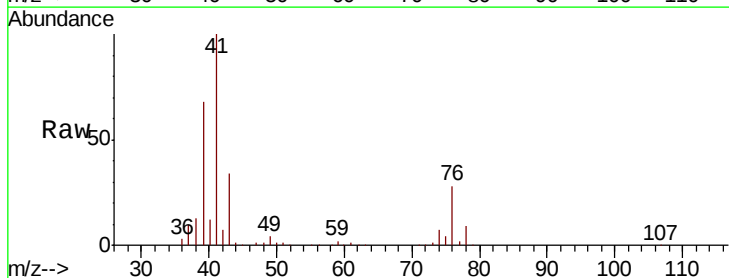
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

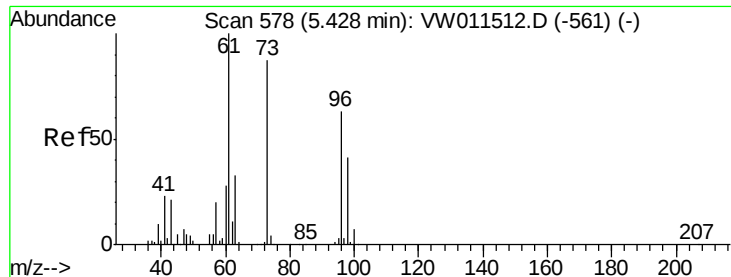
Tot Ion: 76 Resp: 428388
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 52.859 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion: 43 Resp: 98505
Ion Ratio Lower Upper
43 100
74 20.2 15.9 23.9



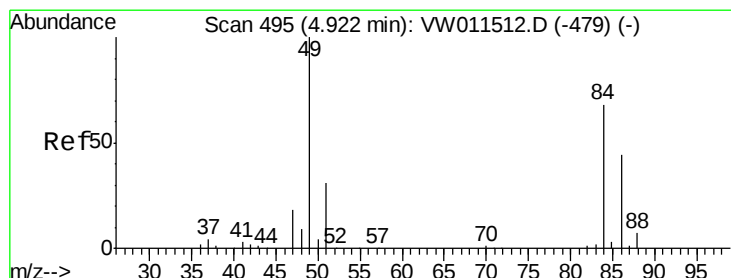
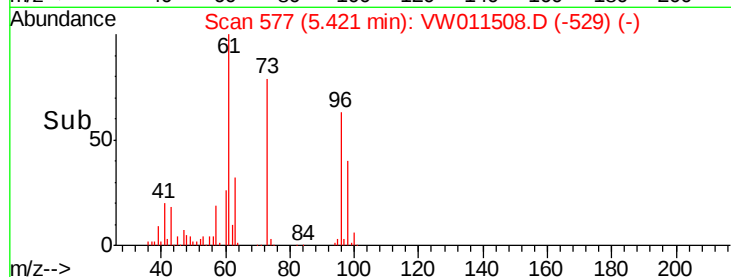
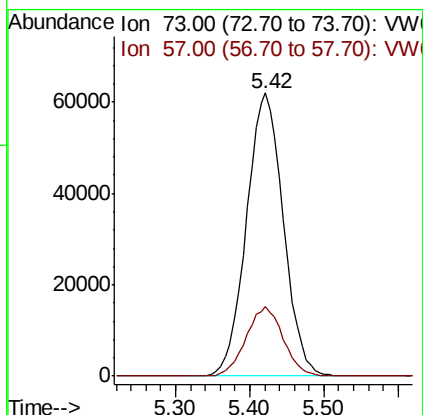
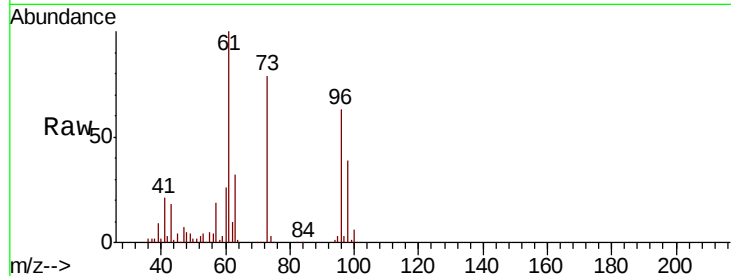


#19

Methyl tert-butyl Ether
 Concen: 57.298 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

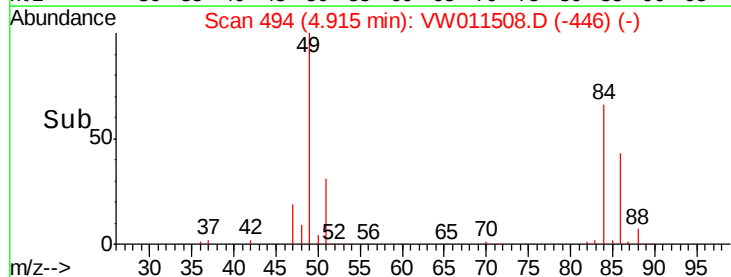
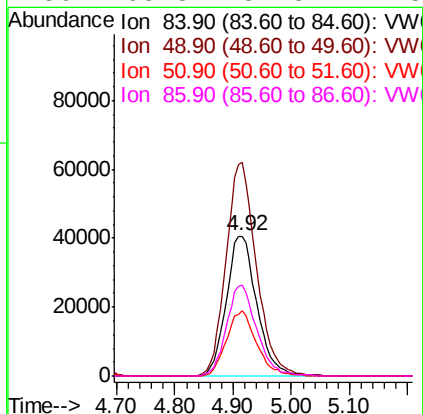
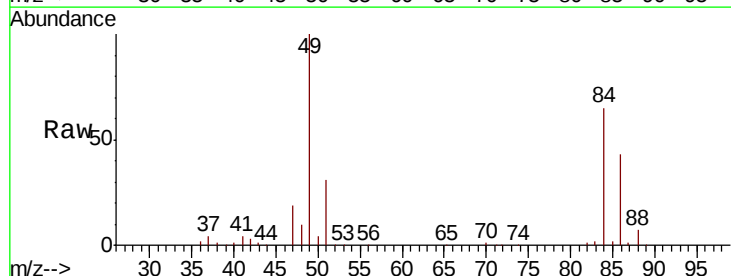
Tot Ion: 73 Resp: 215057
 Ion Ratio Lower Upper
 73 100
 57 24.6 18.4 27.6

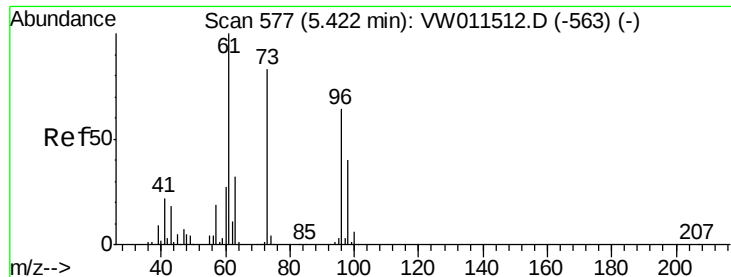


#20

Methylene Chloride
 Concen: 51.817 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion: 84 Resp: 148244
 Ion Ratio Lower Upper
 84 100
 49 152.8 117.8 176.6
 51 46.9 37.0 55.4
 86 65.3 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 57.562 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

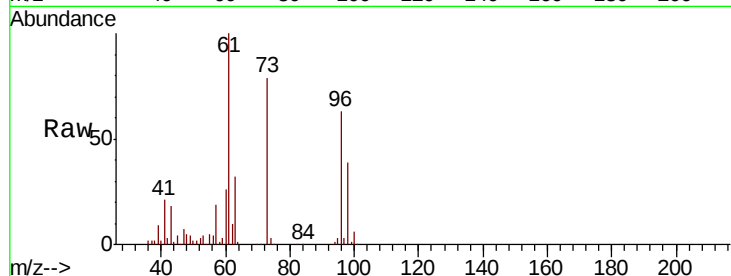
Tot Ion: 96 Resp: 146782

Ion Ratio Lower Upper

96 100

61 158.7 125.7 188.5

98 62.7 50.3 75.5

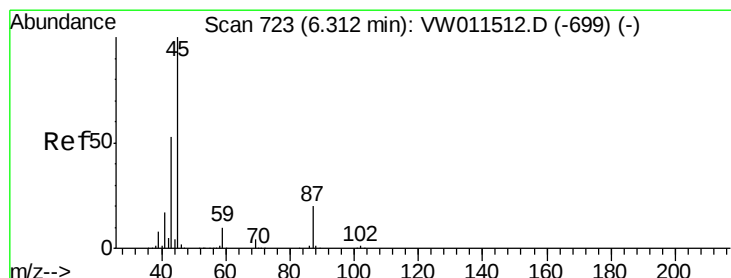
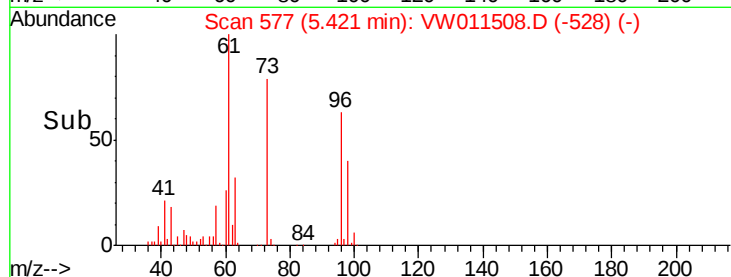
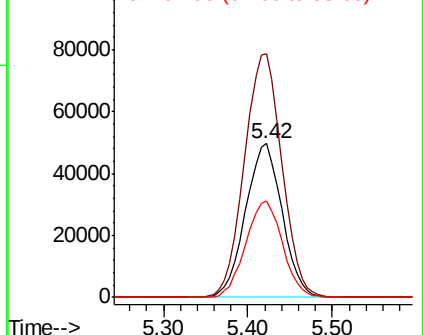


Abundance

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: 57.009 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Tgt Ion: 45 Resp: 540704

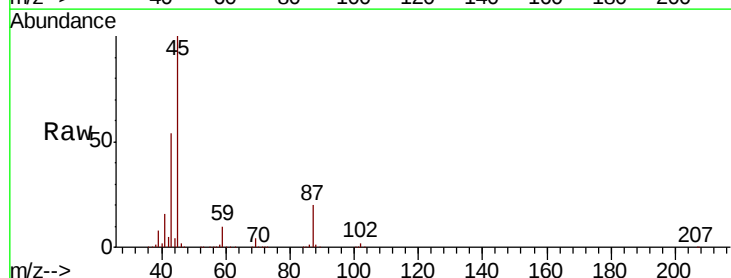
Ion Ratio Lower Upper

45 100

43 53.9 42.6 63.8

87 20.4 16.4 24.6

59 10.0 8.2 12.2



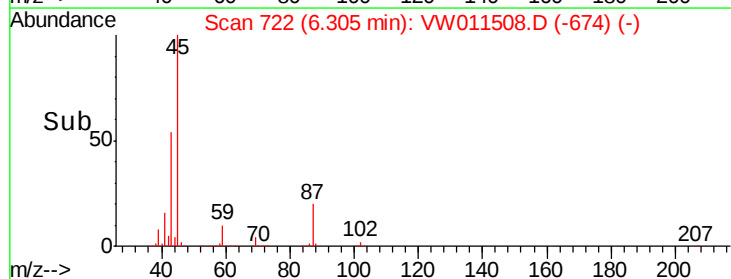
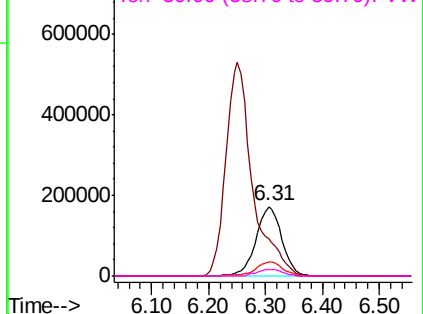
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 289.883 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

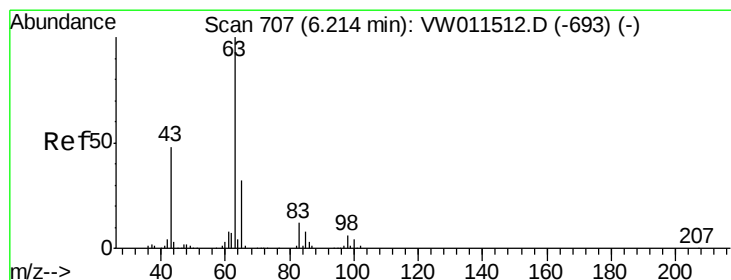
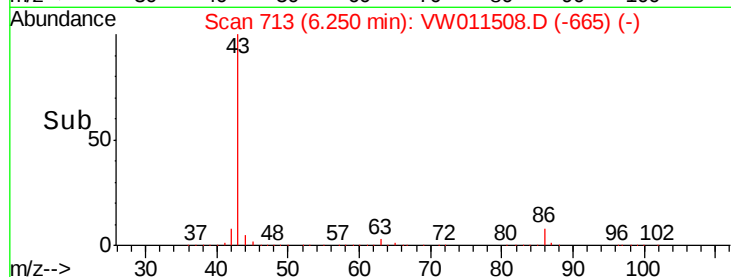
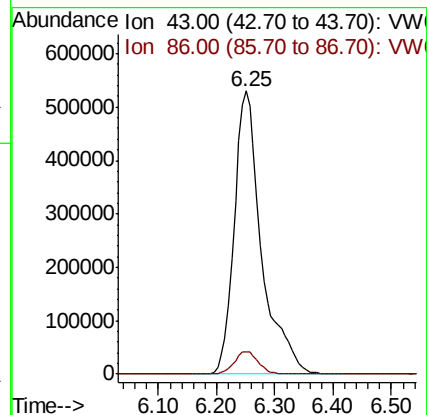
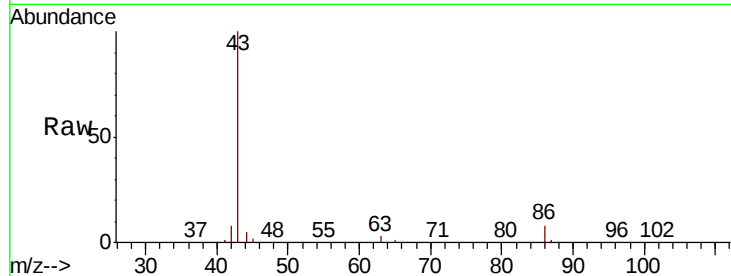
VSTDCCC050

Tot Ion: 43 Resp: 1727592

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 57.606 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

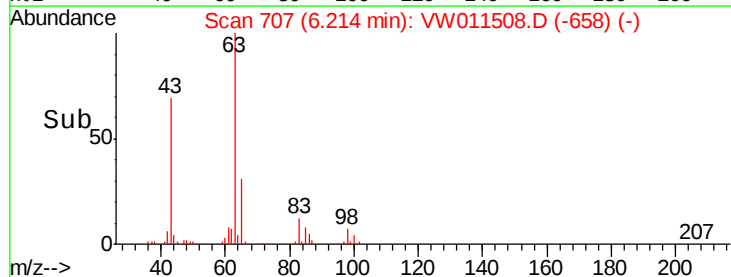
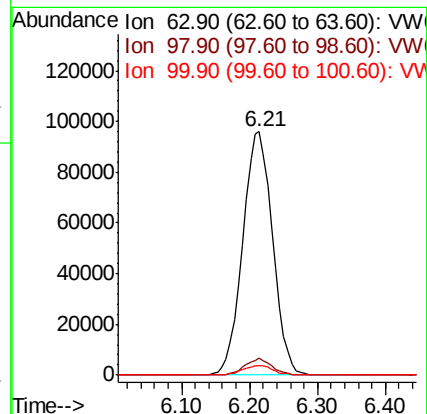
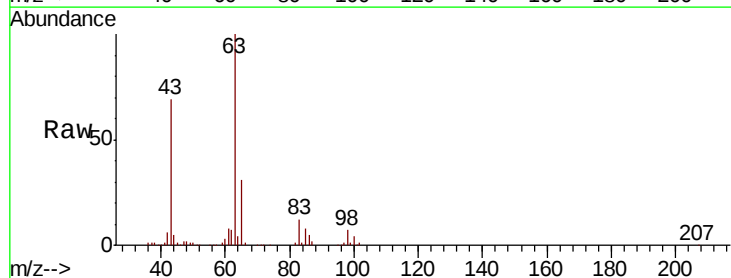
Tgt Ion: 63 Resp: 292613

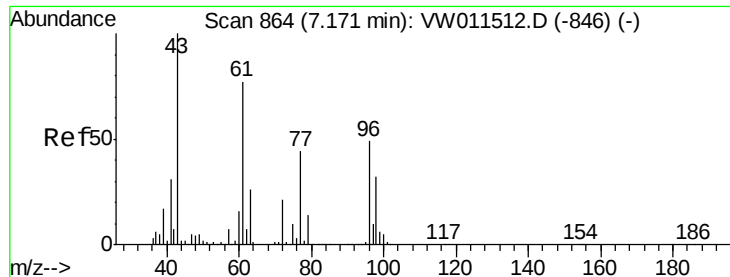
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 280.239 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

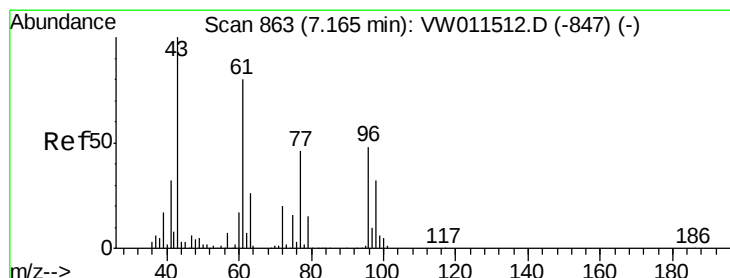
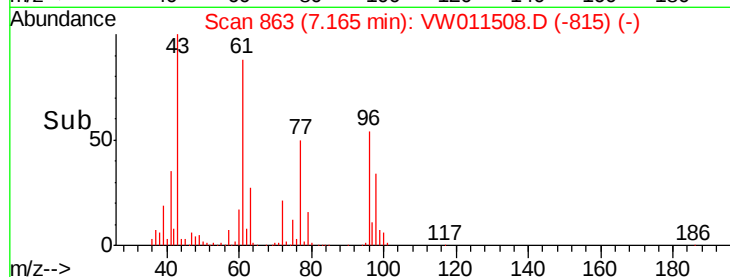
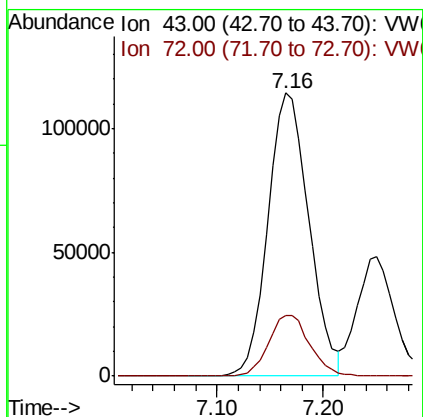
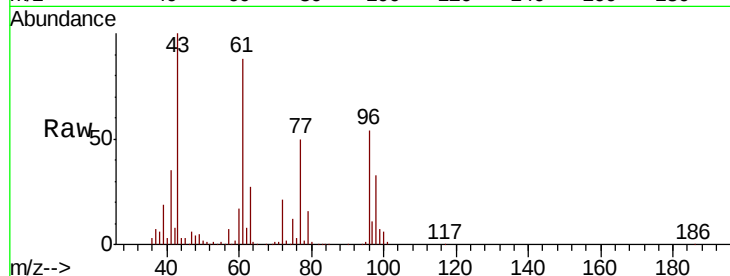
VSTDCCC050

Tot Ion: 43 Resp: 304192

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 54.043 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011508.D

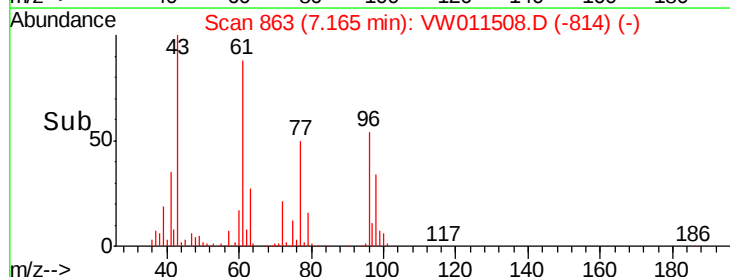
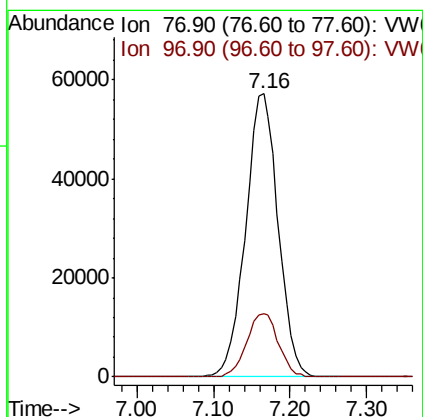
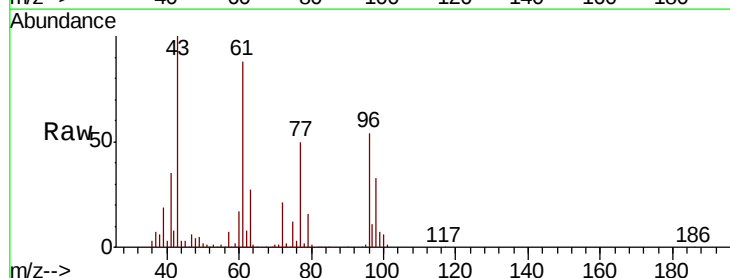
Acq: 26 Jul 2019 10:41

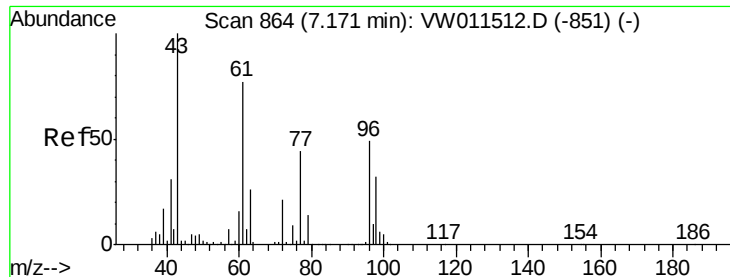
Tgt Ion: 77 Resp: 168825

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.4

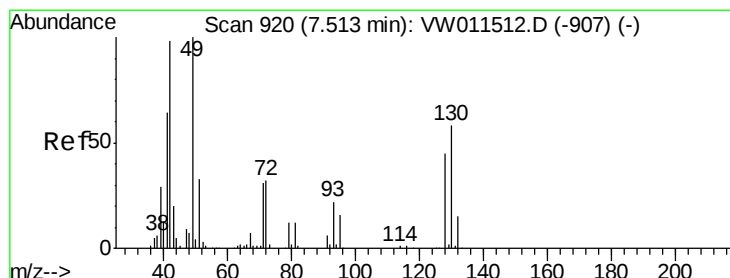
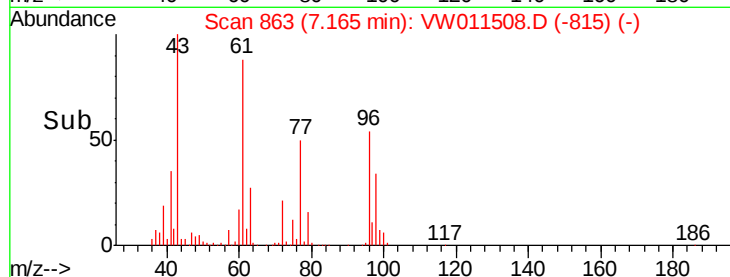
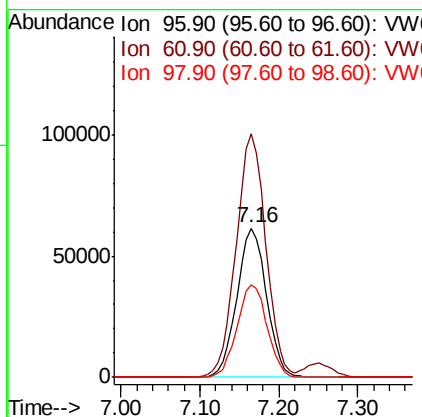
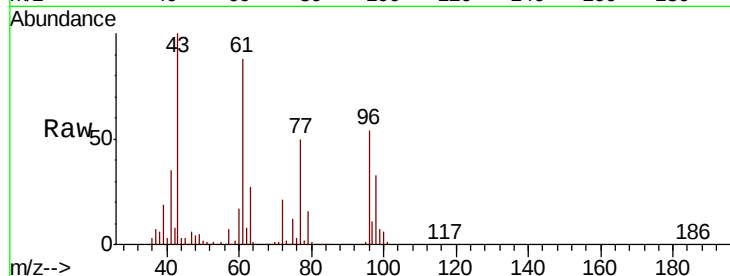




#27
 cis-1,2-Dichloroethene
 Concen: 57.267 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

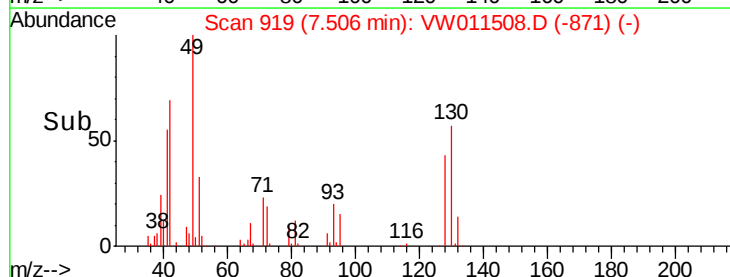
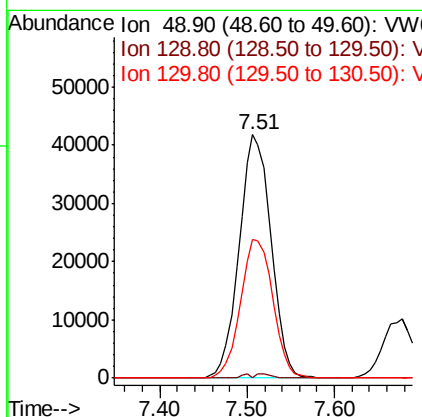
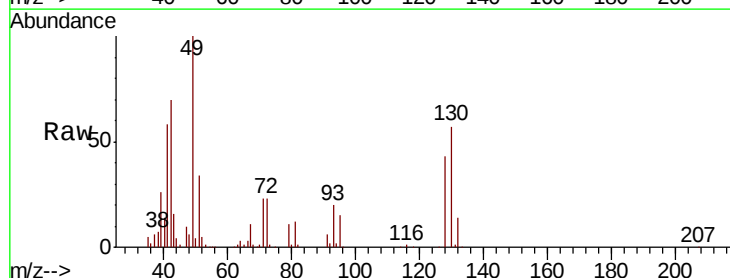
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

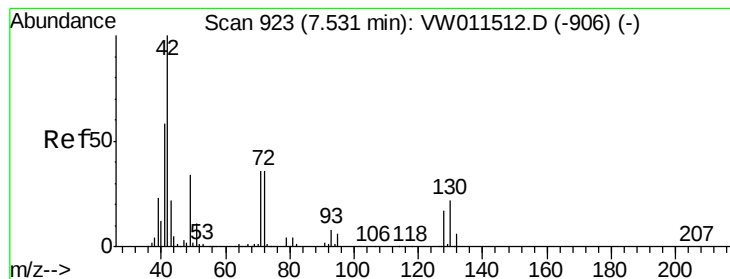
Tot Ion: 96 Resp: 160716
 Ion Ratio Lower Upper
 96 100
 61 164.0 0.0 328.4
 98 63.1 0.0 128.8



#28
 Bromochloromethane
 Concen: 47.041 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion: 49 Resp: 106061
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 1.0
 130 57.9 46.3 69.5





#29

Tetrahydrofuran

Concen: 275.159 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

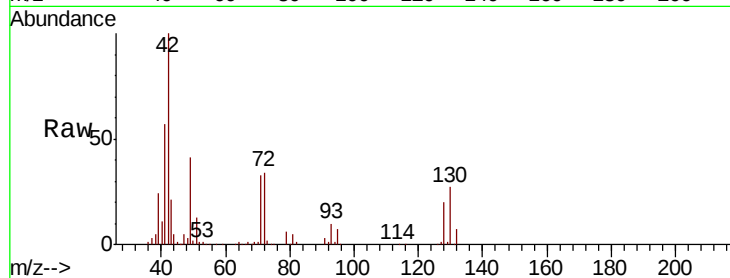
Tot Ion: 42 Resp: 170727

Ion Ratio Lower Upper

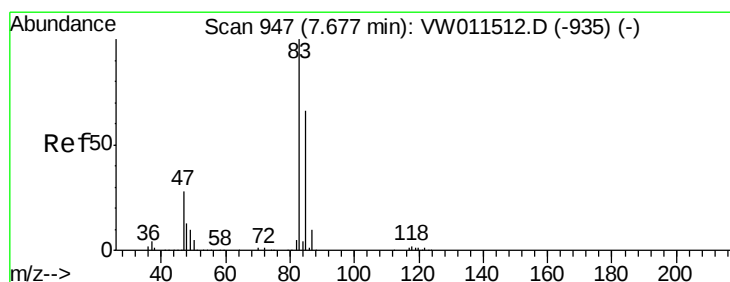
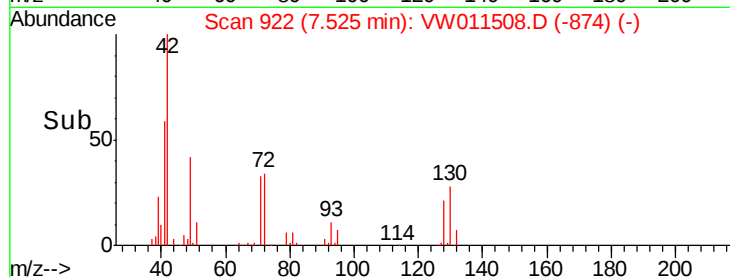
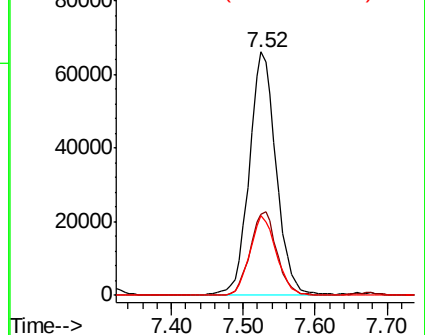
42 100

72 34.2 27.1 40.7

71 32.1 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 56.105 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011508.D

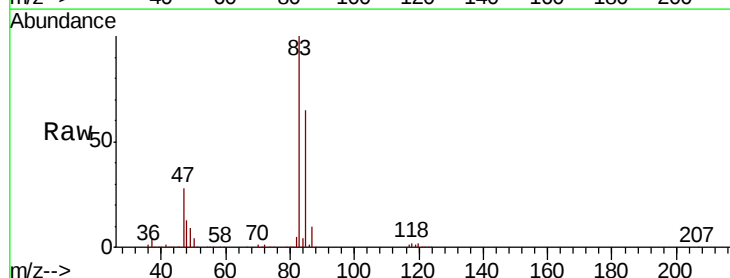
Acq: 26 Jul 2019 10:41

Tgt Ion: 83 Resp: 262921

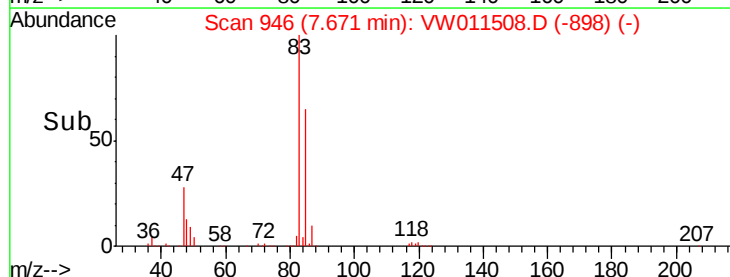
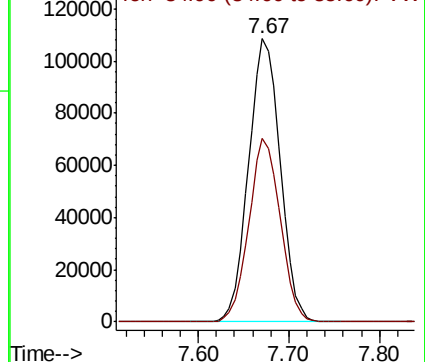
Ion Ratio Lower Upper

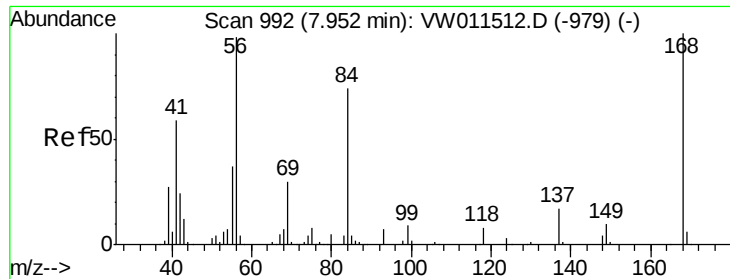
83 100

85 64.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

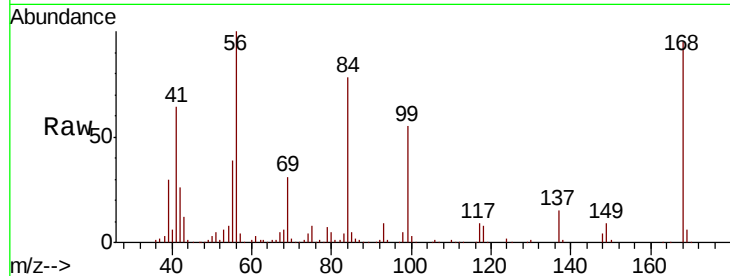




#31
Cyclohexane
Concen: 54.075 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.3	36.5
84	76.4	60.4	90.6

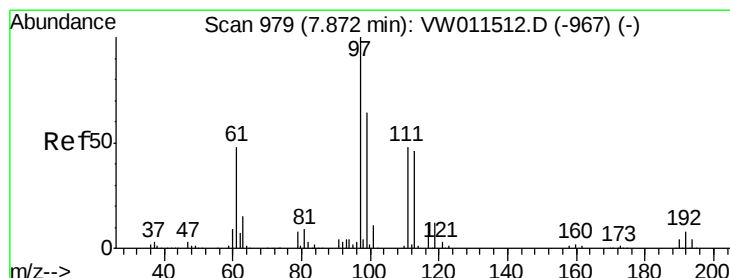
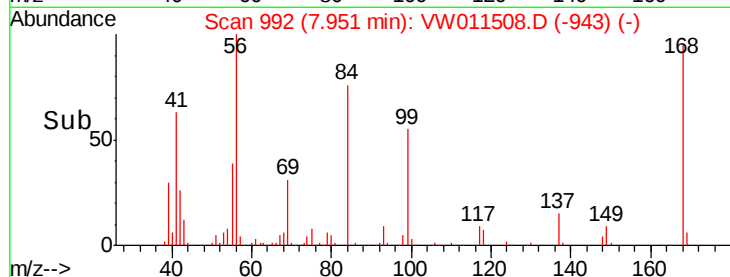
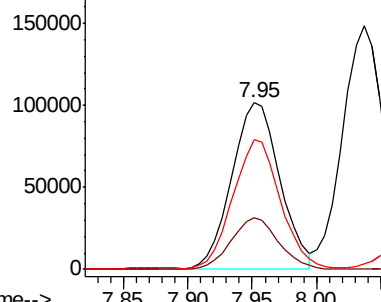


Abundance

Ion 56.00 (55.70 to 56.70): VW

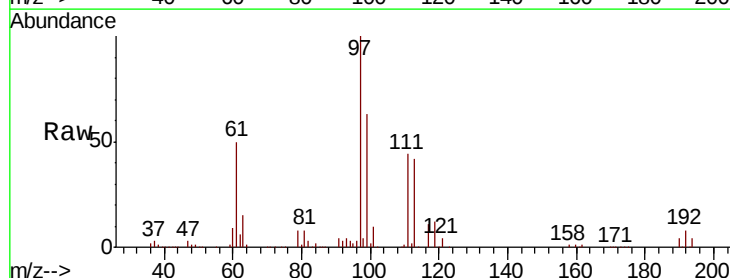
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 58.627 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	49.1	39.8	59.6

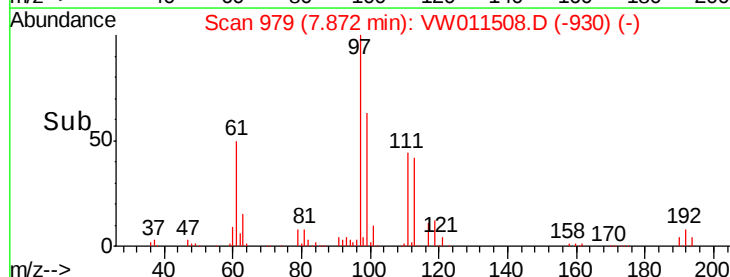
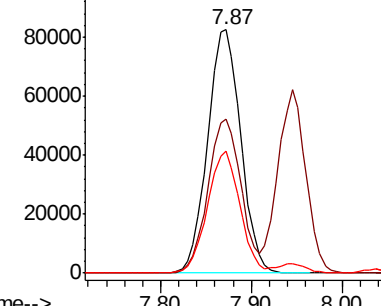


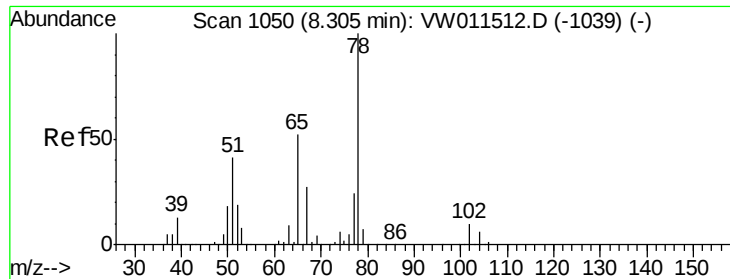
Abundance

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

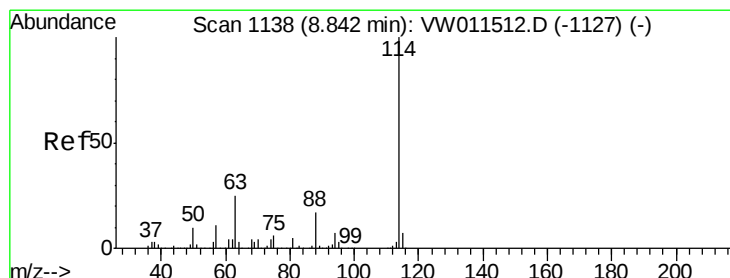
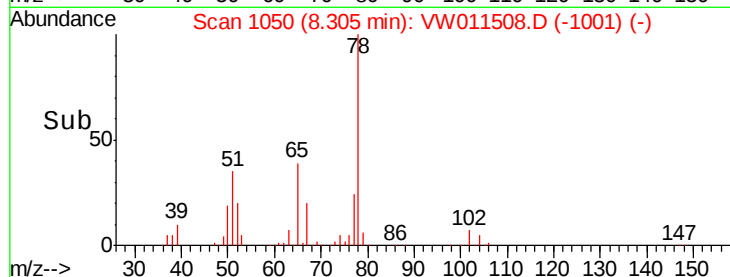
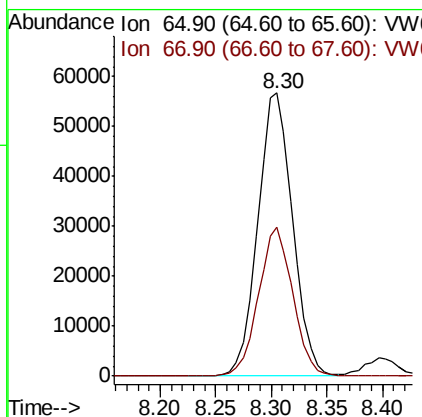
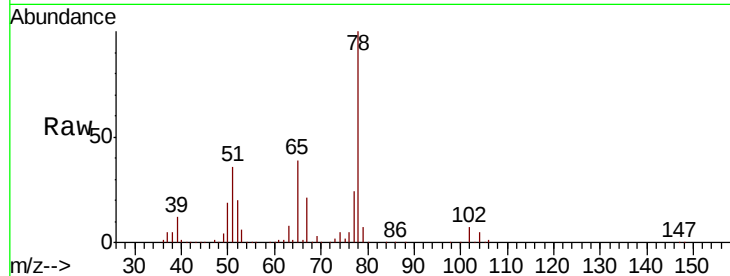




#33
 1,2-Dichloroethane-d4
 Concen: 47.294 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

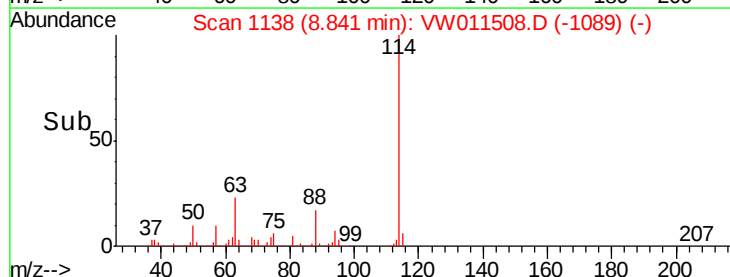
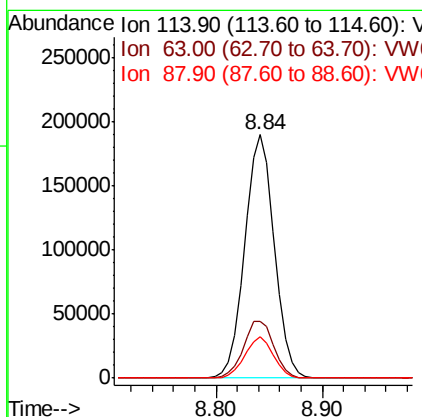
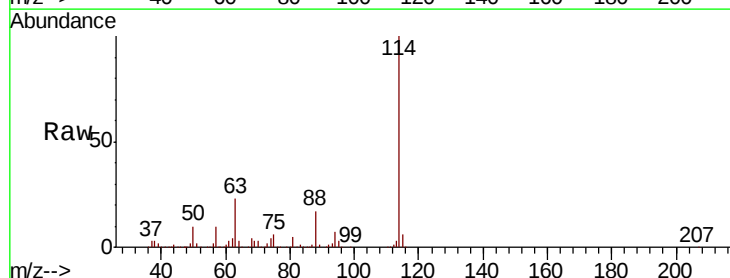
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

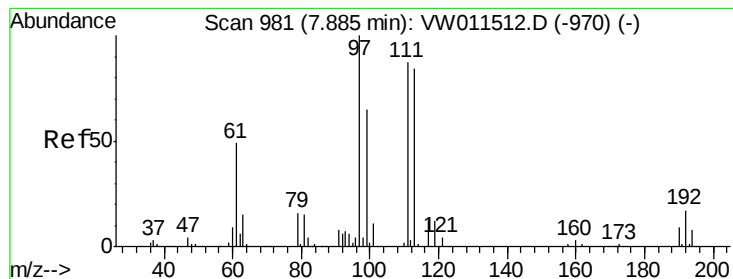
Tot Ion: 65 Resp: 123333
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion: 114 Resp: 369915
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.791 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

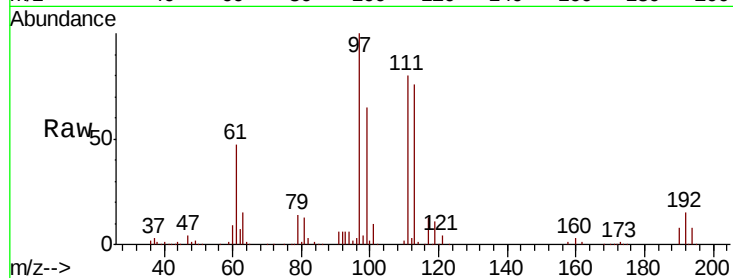
Tot Ion:113 Resp: 101256

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

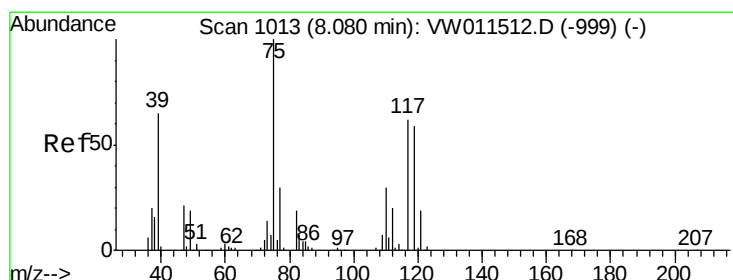
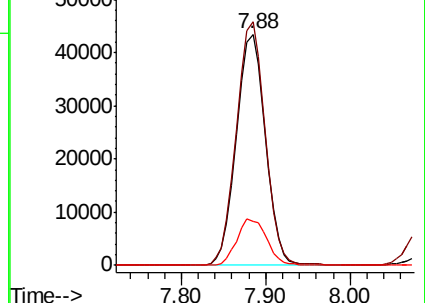
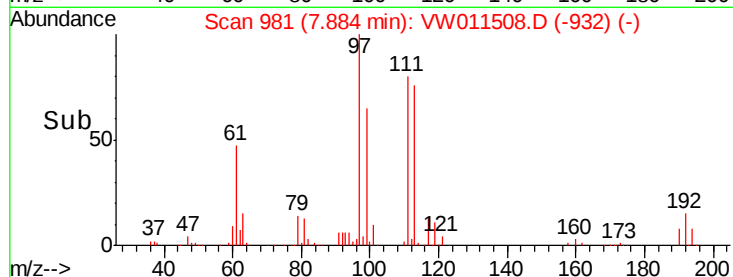
192 20.4 16.1 24.1



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: 57.703 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

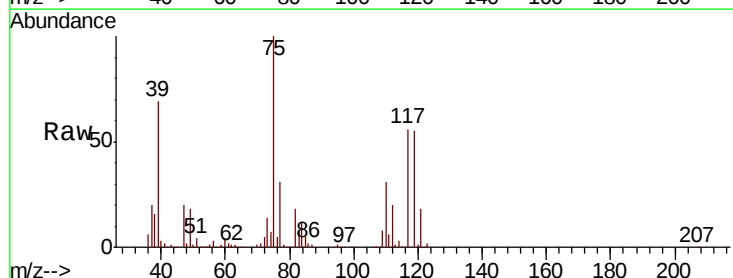
Tgt Ion: 75 Resp: 221952

Ion Ratio Lower Upper

75 100

110 31.3 15.6 46.8

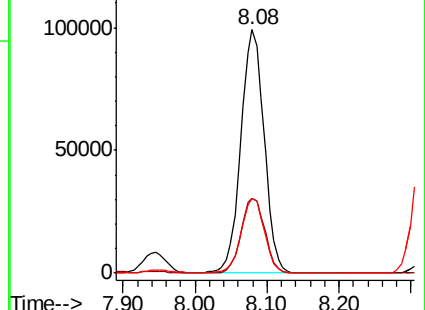
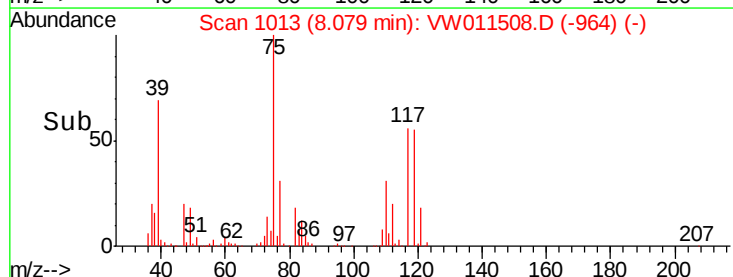
77 31.0 24.3 36.5

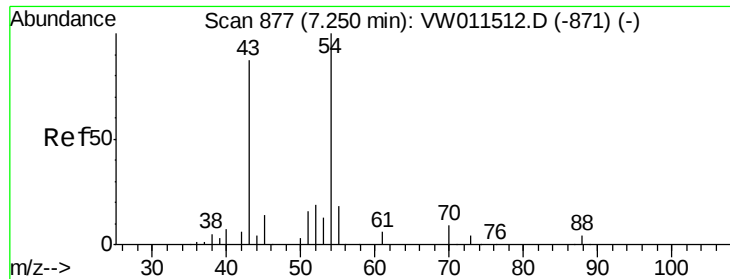


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

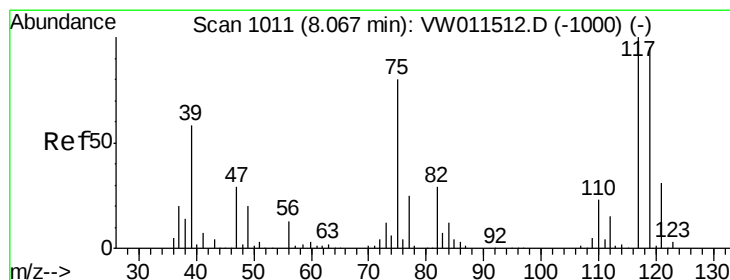
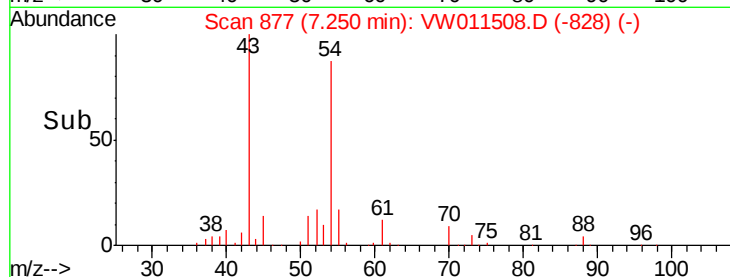
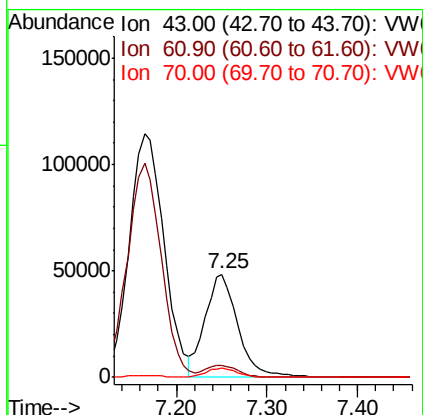
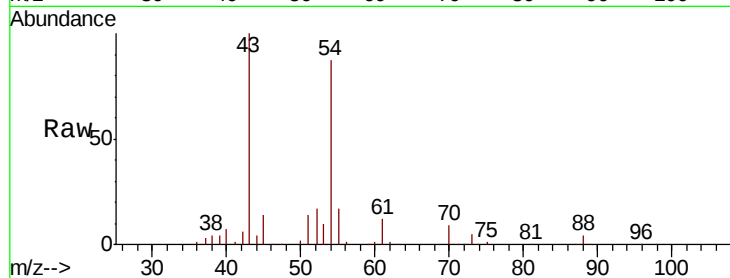




#37
Ethyl Acetate
Concen: 54.795 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

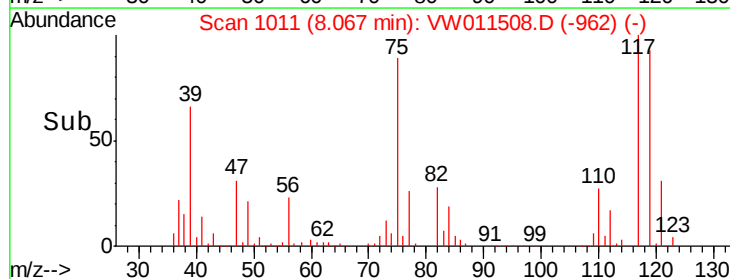
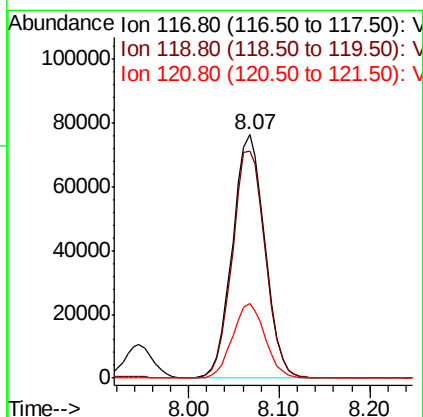
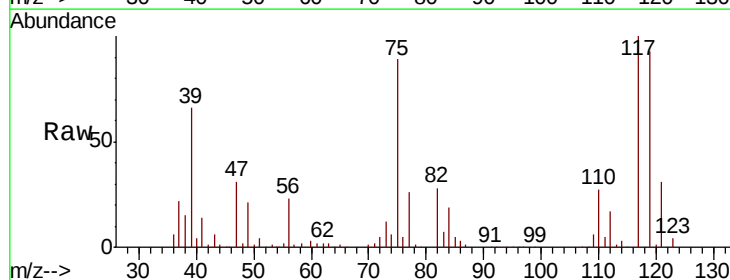
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

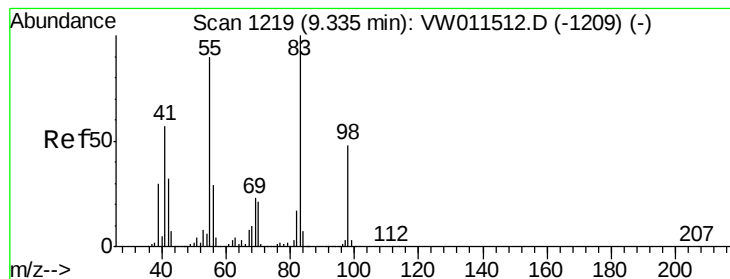
Tot Ion: 43 Resp: 121260
Ion Ratio Lower Upper
43 100
61 11.9 8.8 13.2
70 9.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 57.336 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion: 117 Resp: 188797
Ion Ratio Lower Upper
117 100
119 93.1 75.8 113.6
121 30.8 24.7 37.1





#39

Methvlcvclohexane

Concen: 57.692 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

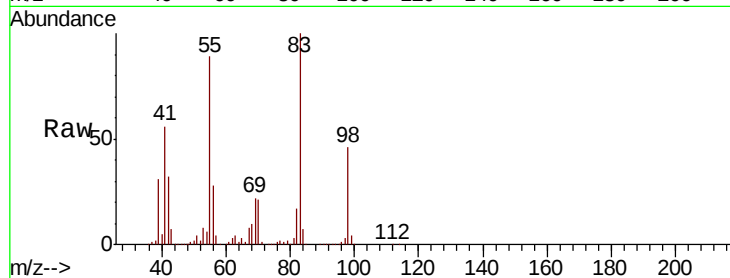
Tot Ion: 83 Resp: 244349

Ion Ratio Lower Upper

83 100

55 88.5 72.1 108.1

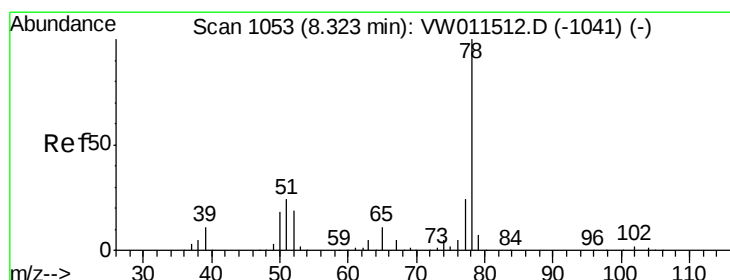
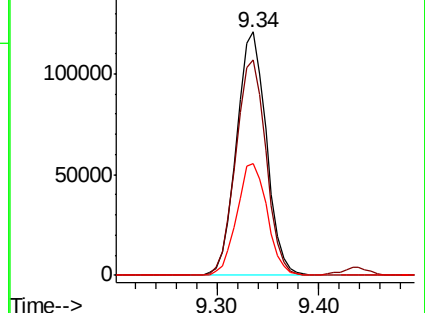
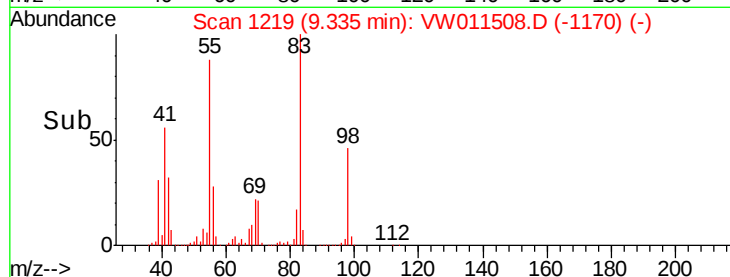
98 45.9 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 56.673 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011508.D

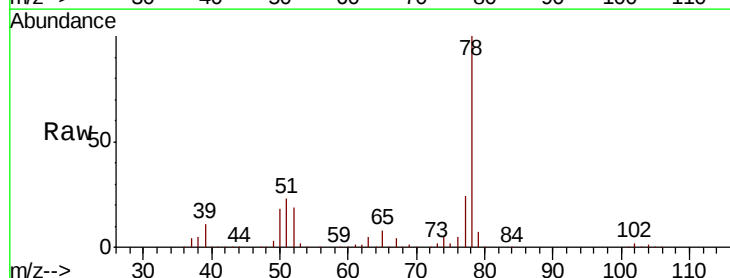
Acq: 26 Jul 2019 10:41

Tgt Ion: 78 Resp: 610606

Ion Ratio Lower Upper

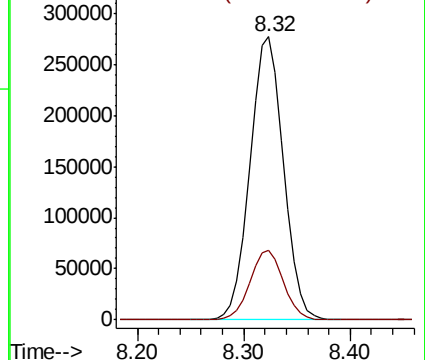
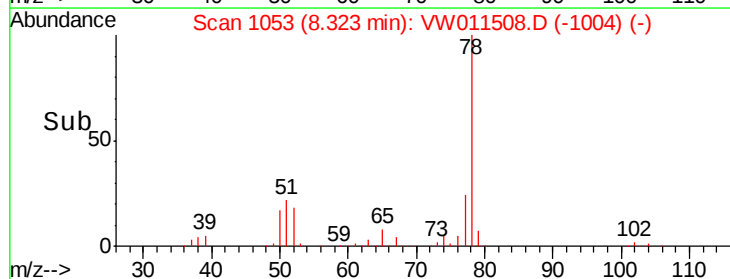
78 100

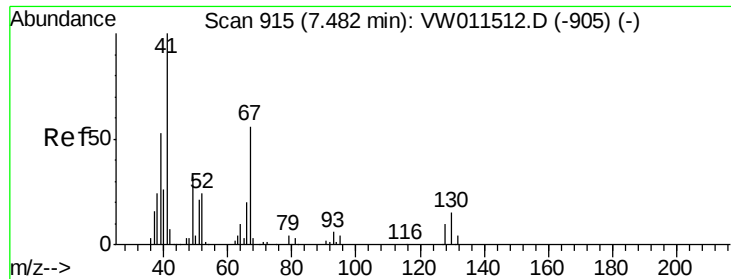
77 24.4 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 56.589 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 74859

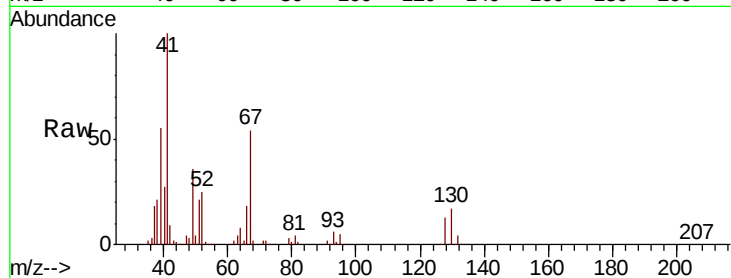
Ion Ratio Lower Upper

41 100

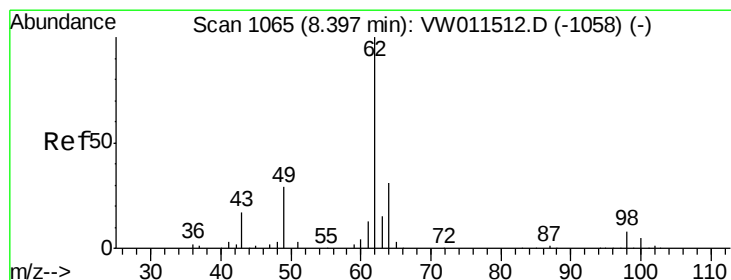
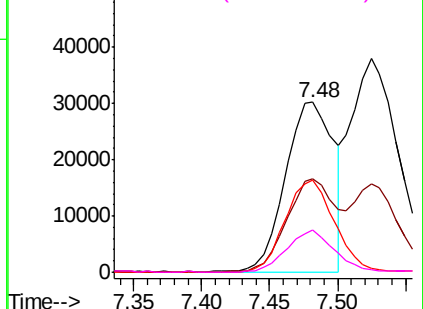
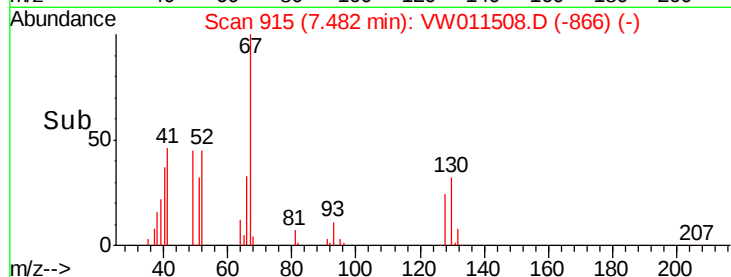
39 58.3 43.0 64.4

67 55.2 47.5 71.3

52 24.9 21.0 31.6



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



#42

1,2-Dichloroethane

Concen: 56.282 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011508.D

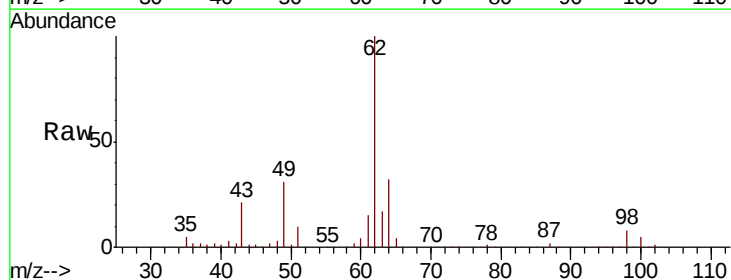
Acq: 26 Jul 2019 10:41

Tgt Ion: 62 Resp: 189853

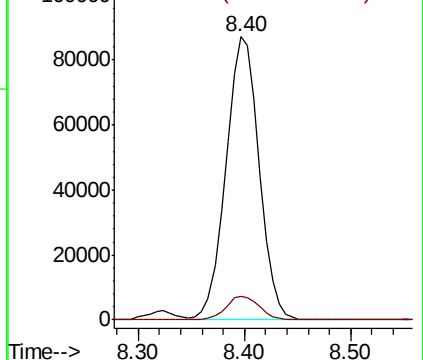
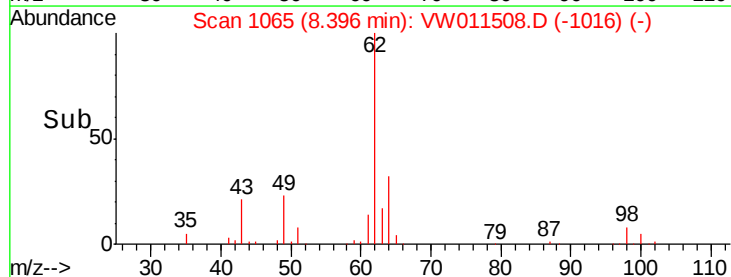
Ion Ratio Lower Upper

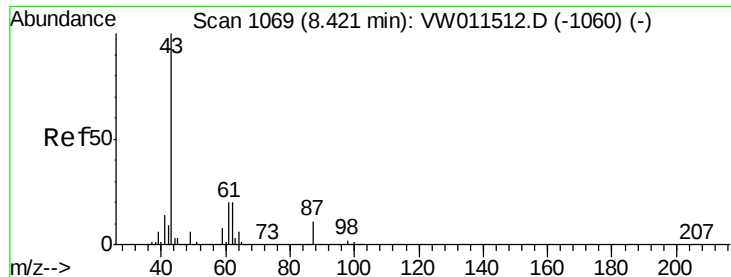
62 100

98 8.3 0.0 16.8



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





#43

Isopropyl Acetate

Concen: 56.183 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

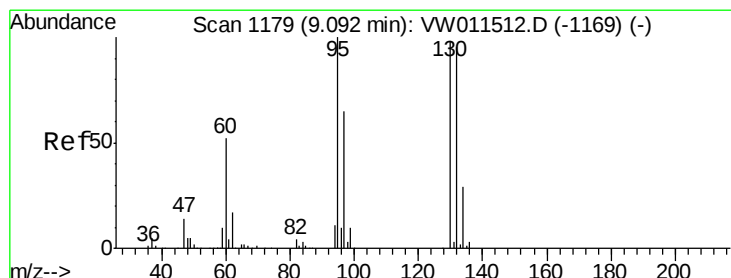
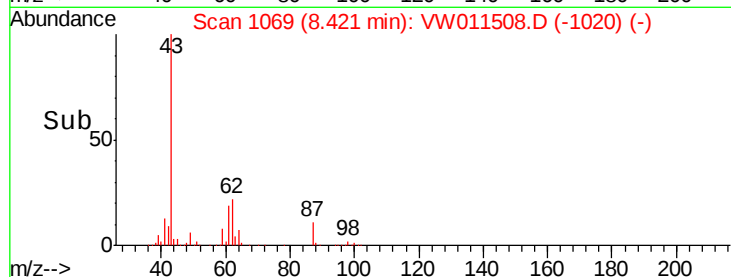
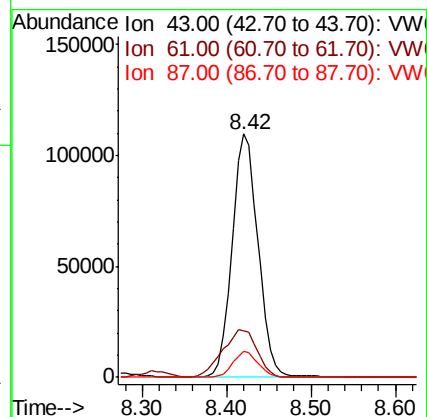
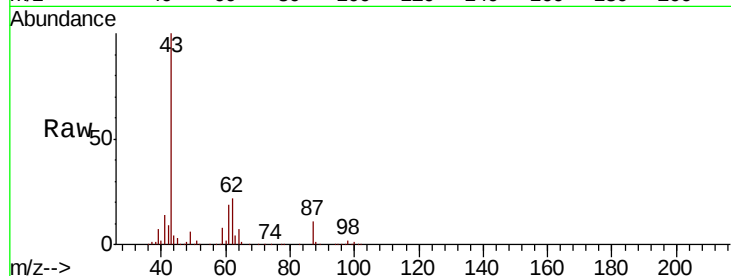
Tot Ion: 43 Resp: 228655

Ion Ratio Lower Upper

43 100

61 26.4 21.5 32.3

87 10.4 8.4 12.6



#44

Trichloroethene

Concen: 57.370 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011508.D

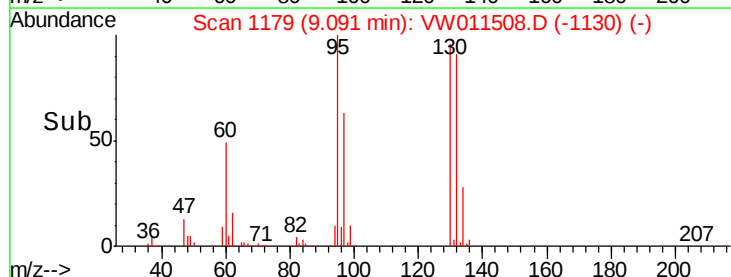
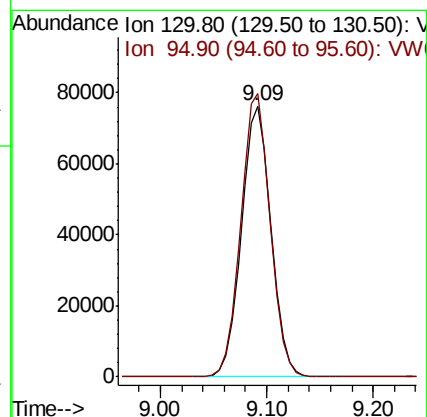
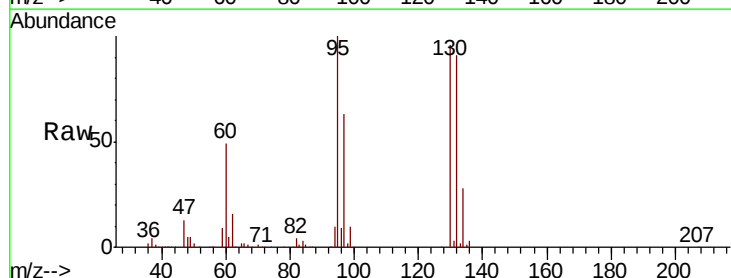
Acq: 26 Jul 2019 10:41

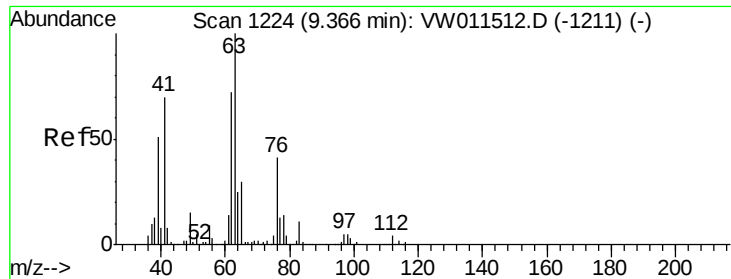
Tgt Ion: 130 Resp: 148561

Ion Ratio Lower Upper

130 100

95 104.5 0.0 204.8

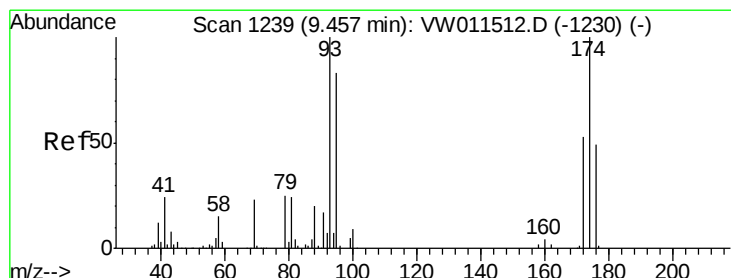
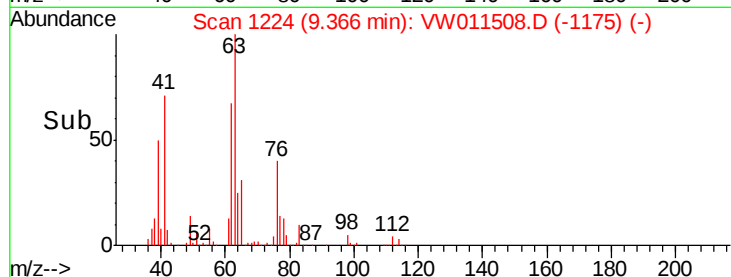
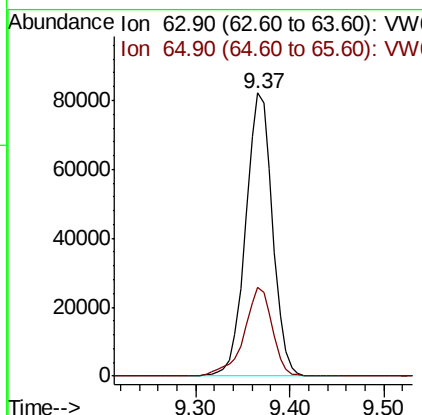
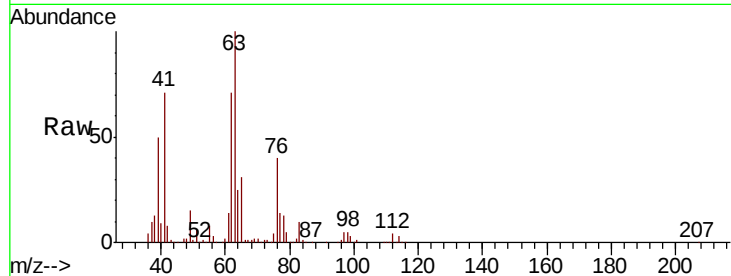




#45
 1,2-Dichloropropane
 Concen: 56.843 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

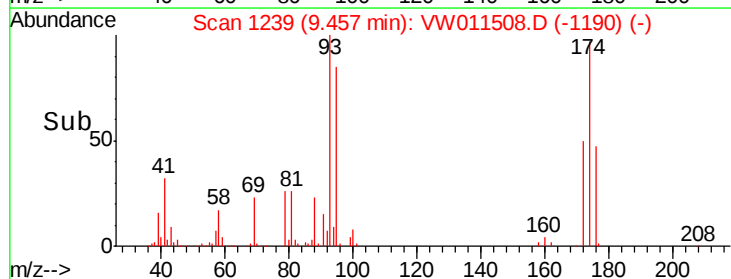
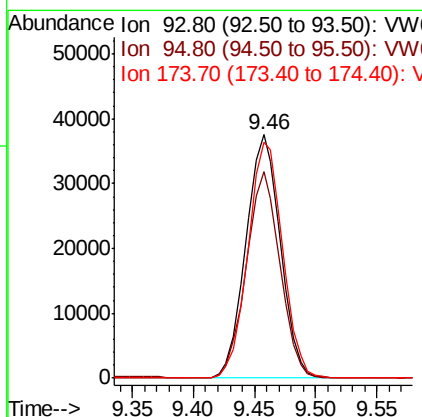
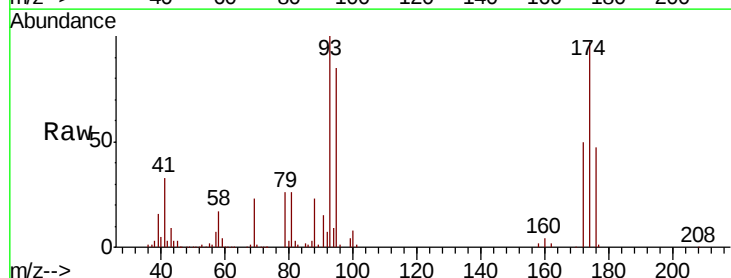
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

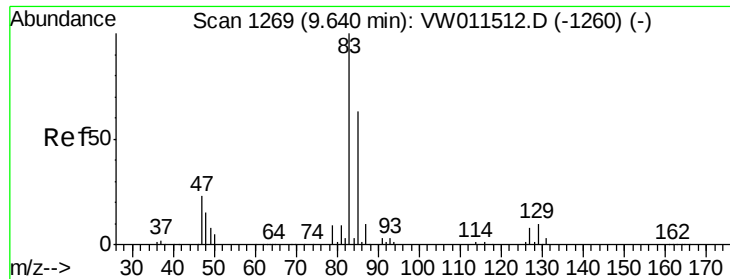
Tot Ion: 63 Resp: 163867
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4



#46
 Dibromomethane
 Concen: 55.920 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion: 93 Resp: 73577
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.2
 174 97.2 78.2 117.4





#47

Bromodichloromethane

Concen: 57.325 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

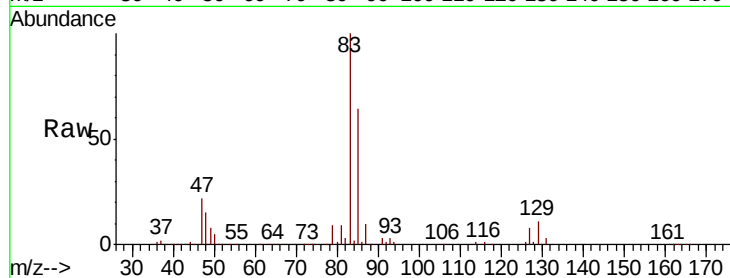
Tot Ion: 83 Resp: 197852

Ion Ratio Lower Upper

83 100

85 63.8 50.5 75.7

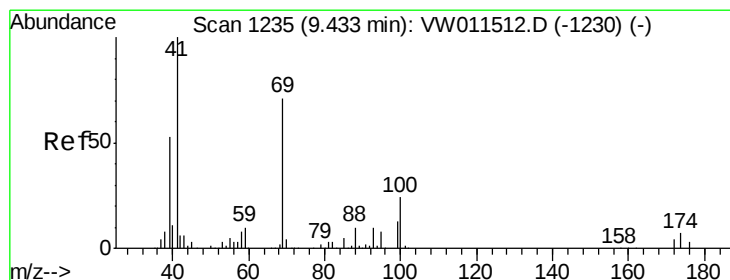
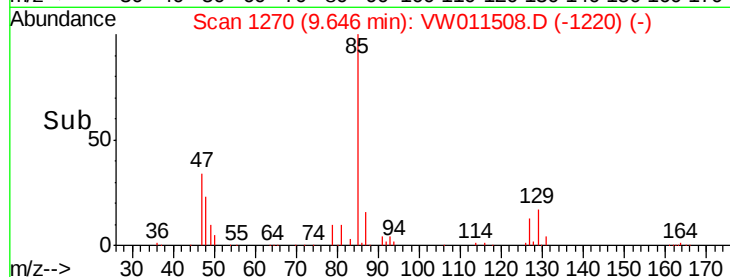
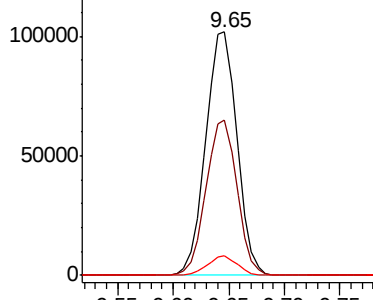
127 8.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 56.578 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

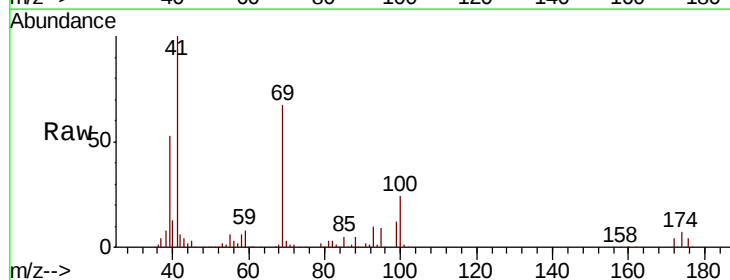
Tgt Ion: 41 Resp: 110608

Ion Ratio Lower Upper

41 100

69 71.9 57.1 85.7

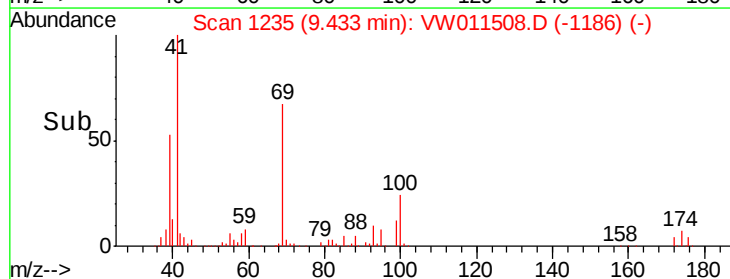
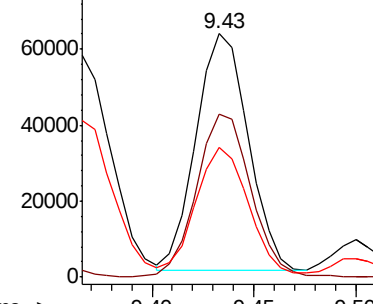
39 52.5 45.4 68.2

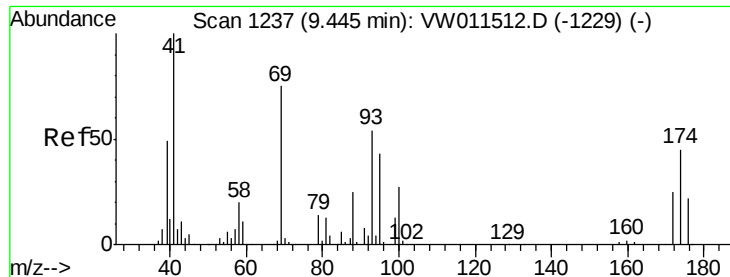


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1064.544 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

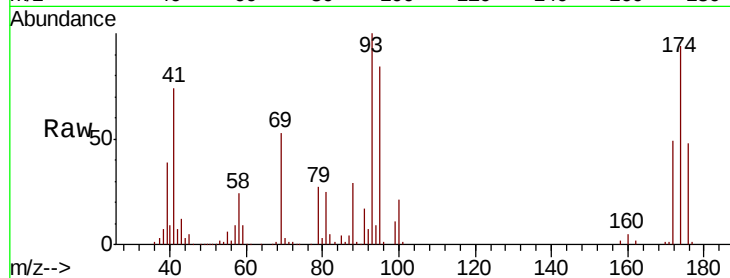
Tot Ion: 88 Resp: 20281

Ion Ratio Lower Upper

88 100

43 40.1 34.0 51.0

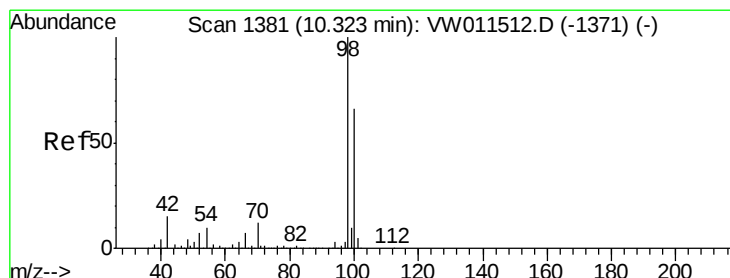
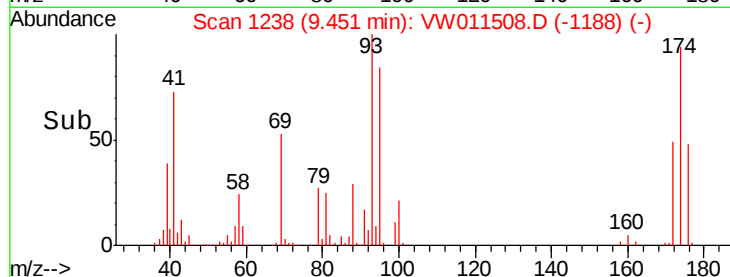
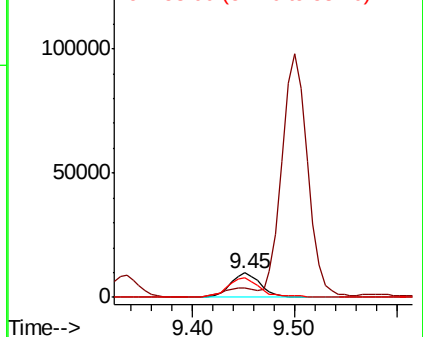
58 87.5 69.7 104.5



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: 47.196 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011508.D

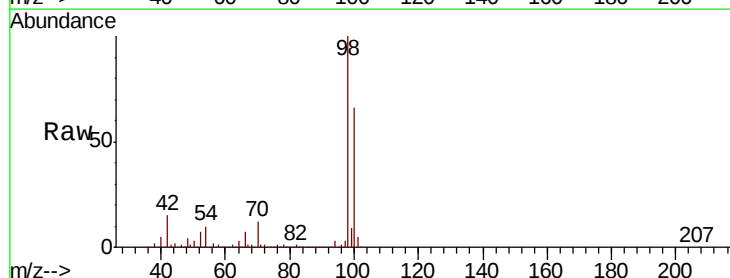
Acq: 26 Jul 2019 10:41

Tgt Ion: 98 Resp: 401013

Ion Ratio Lower Upper

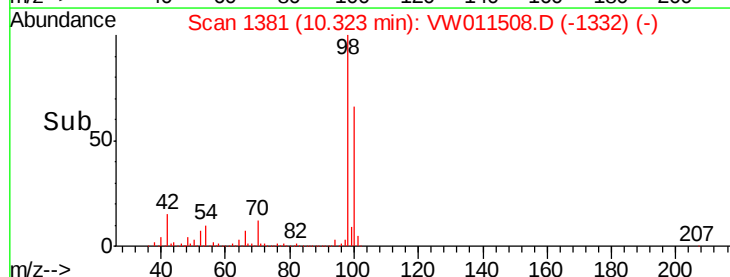
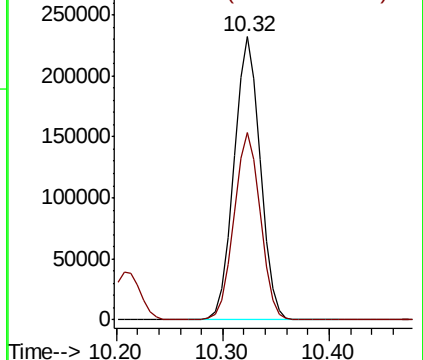
98 100

100 66.5 52.7 79.1



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: 276.982 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

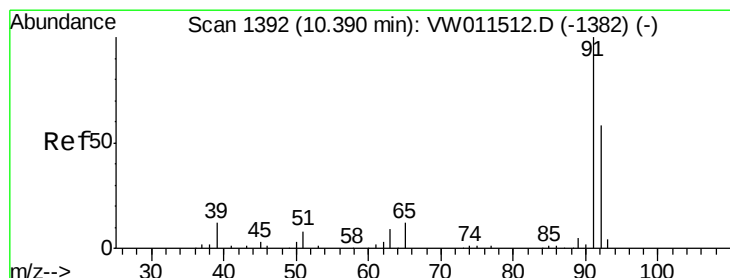
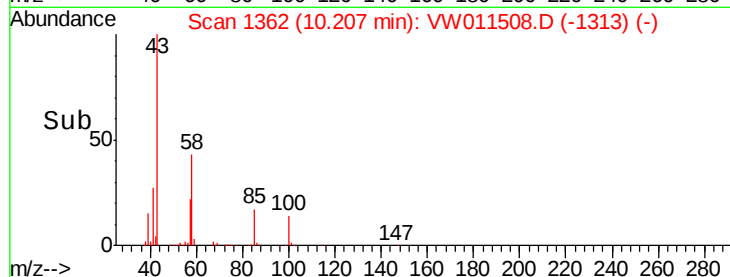
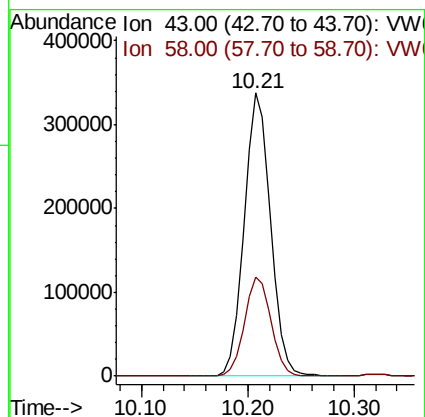
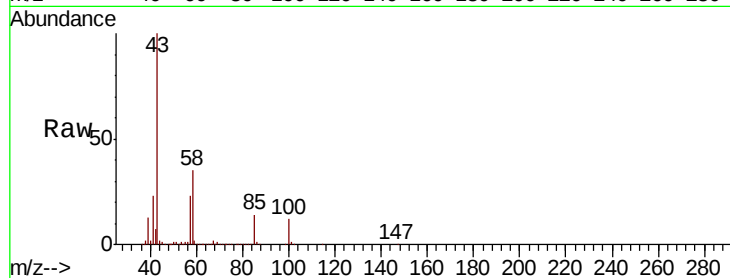
VSTDCCC050

Tot Ion: 43 Resp: 586345

Ion Ratio Lower Upper

43 100

58 35.2 28.2 42.2



#52

Toluene

Concen: 57.877 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011508.D

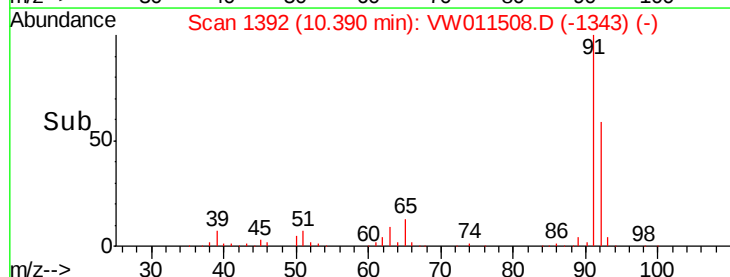
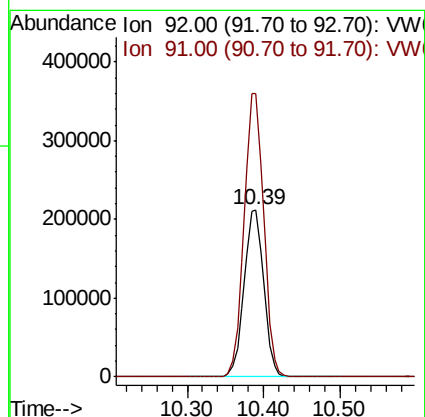
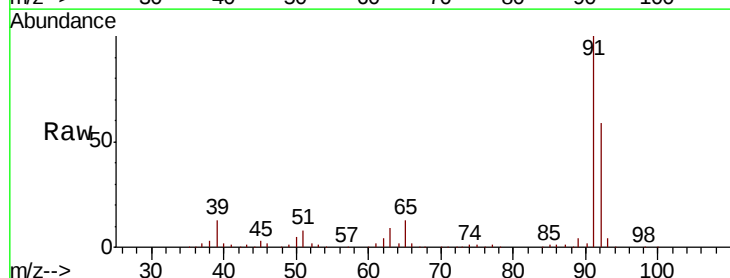
Acq: 26 Jul 2019 10:41

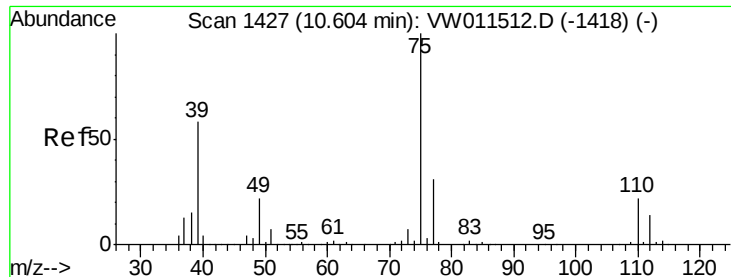
Tgt Ion: 92 Resp: 376573

Ion Ratio Lower Upper

92 100

91 169.4 136.7 205.1

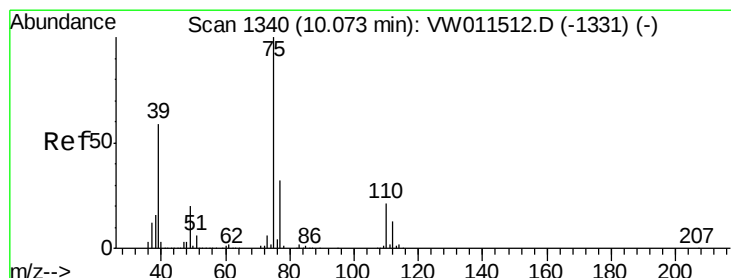
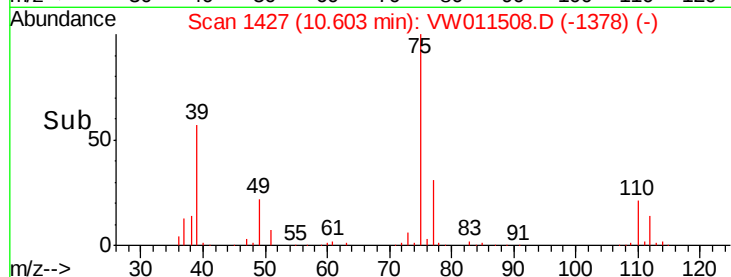
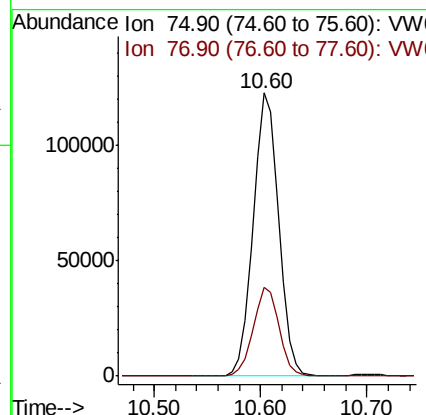
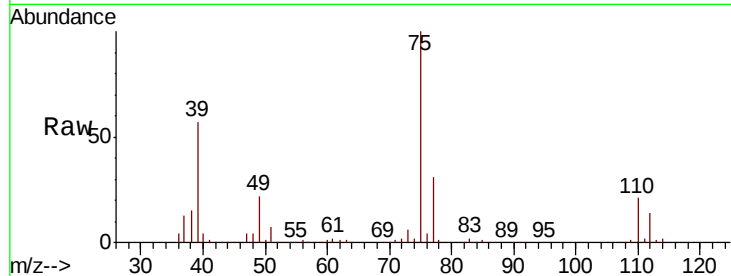




#53
 t-1,3-Dichloropropene
 Concen: 57.317 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

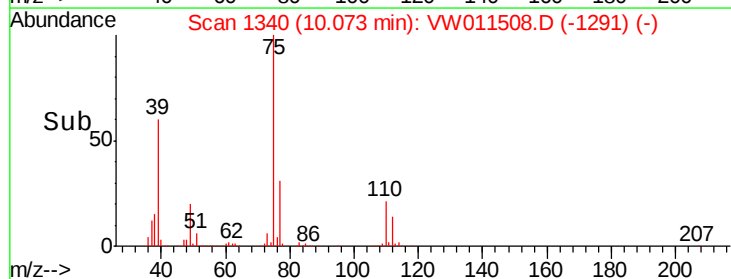
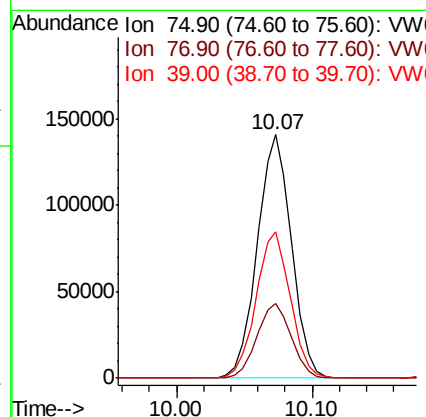
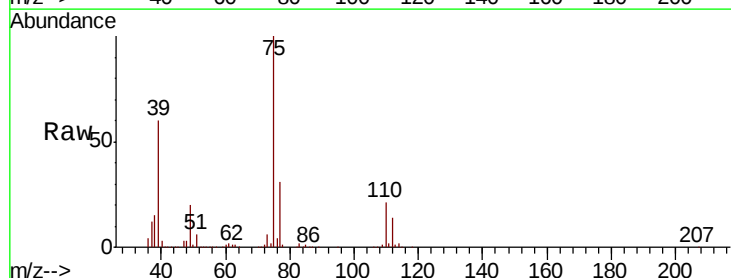
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

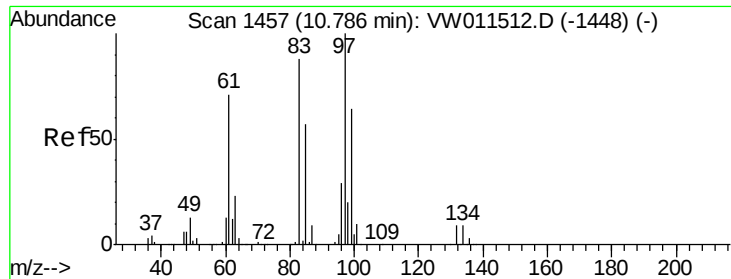
Tot Ion: 75 Resp: 206649
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 57.682 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion: 75 Resp: 247271
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.6 38.4
 39 60.0 47.0 70.4

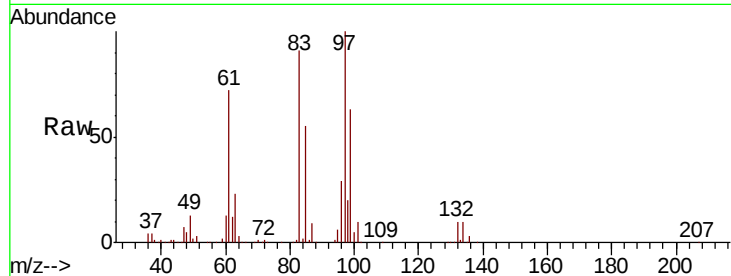




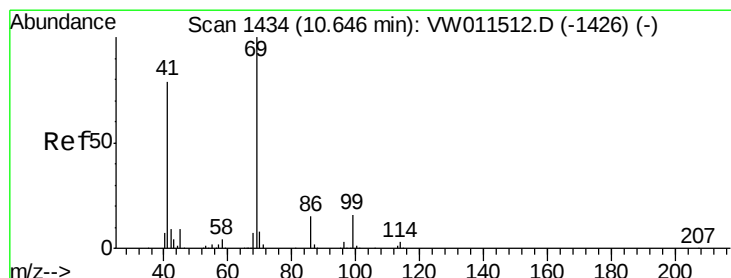
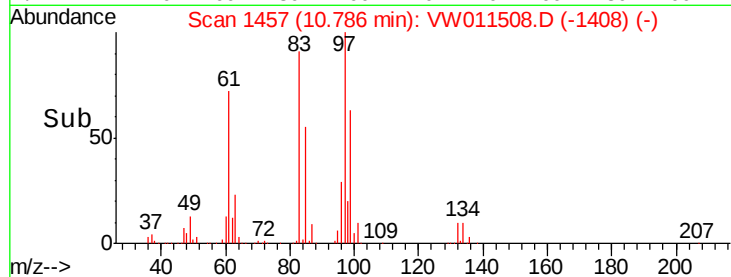
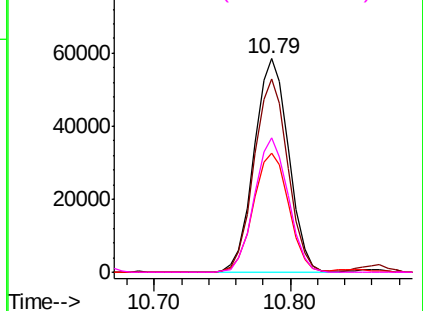
#55
 1,1,2-Trichloroethane
 Concen: 55.863 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	104289
Ion	Ratio	Lower	Upper
97	100		
83	90.5	70.5	105.7
85	55.5	45.8	68.6
99	62.8	51.0	76.4

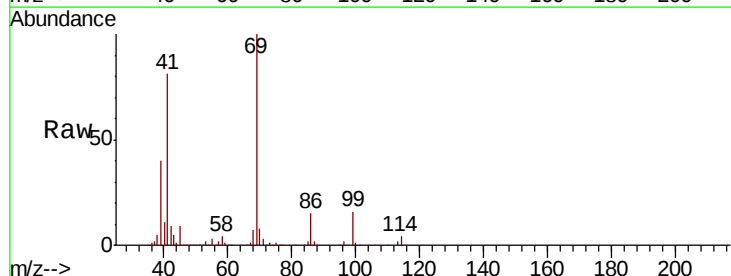


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

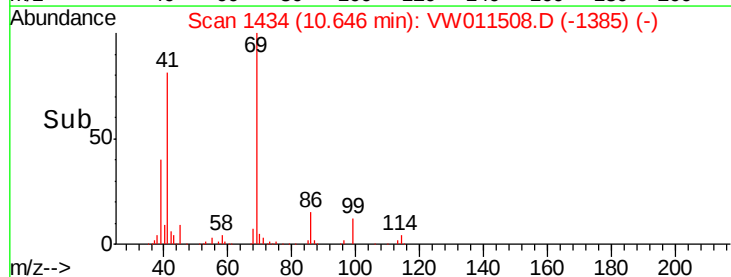
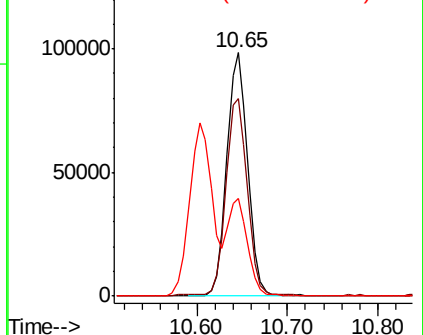


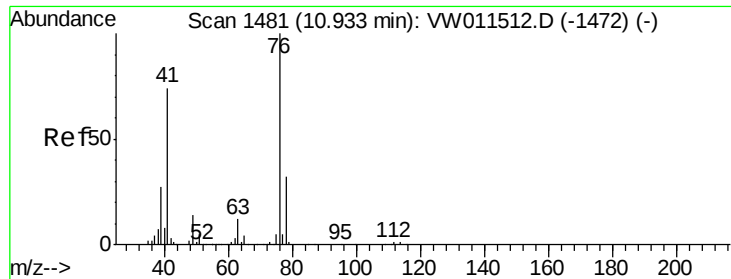
#56
 Ethyl methacrylate
 Concen: 57.592 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion:	69	Resp:	157332
Ion	Ratio	Lower	Upper
69	100		
41	82.4	66.6	99.8
39	37.3	30.3	45.5



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

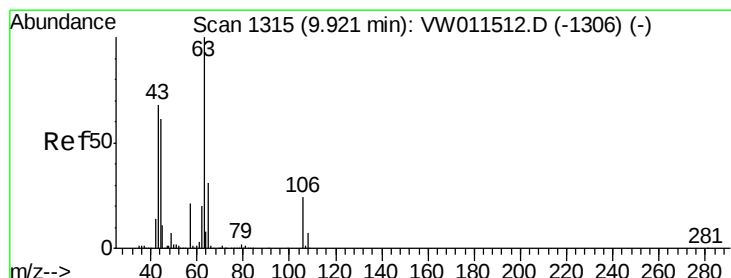
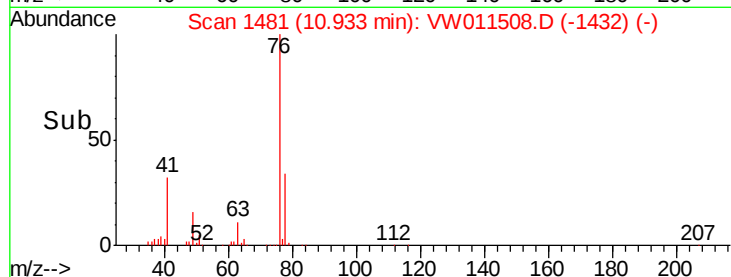
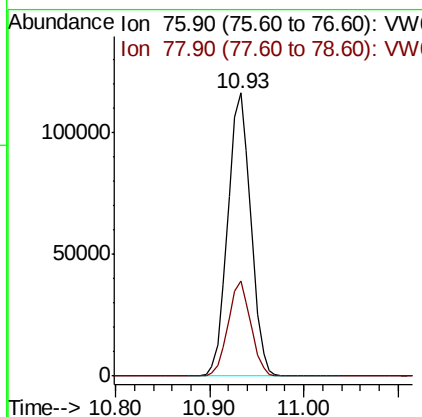
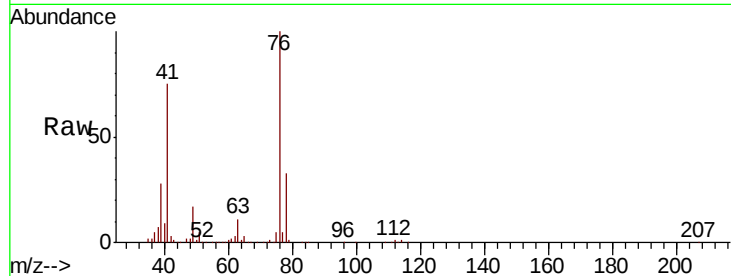




#57
 1,3-Dichloropropane
 Concen: 55.823 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

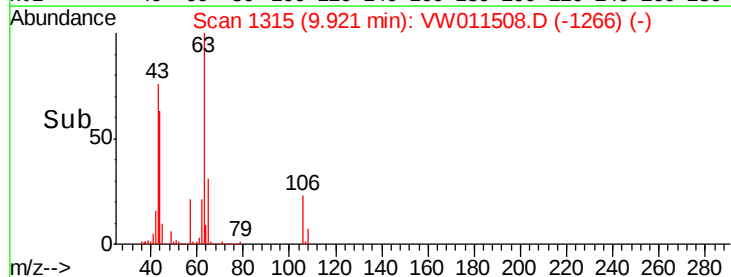
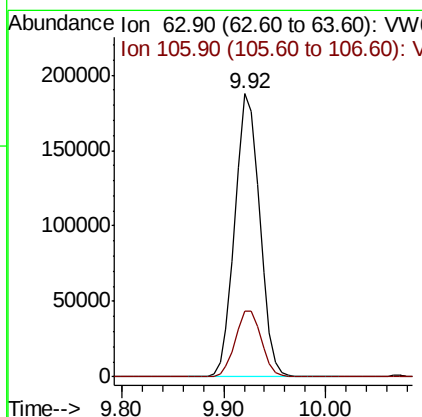
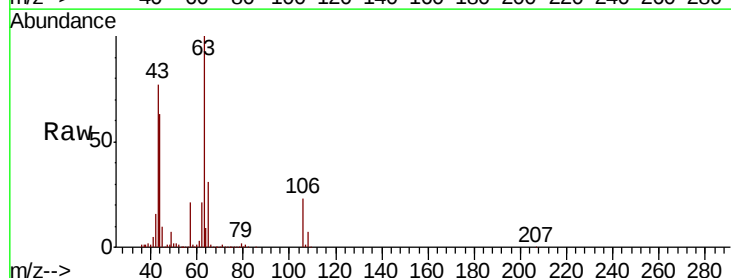
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 197163
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.771 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion: 63 Resp: 316007
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.7 29.5

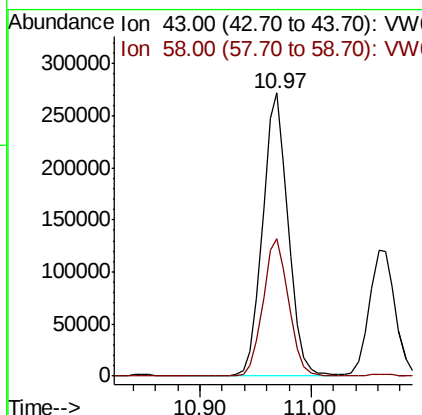
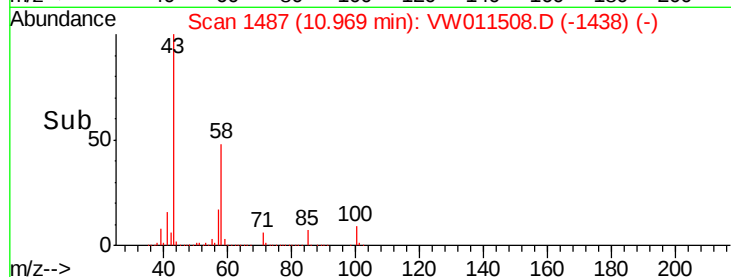
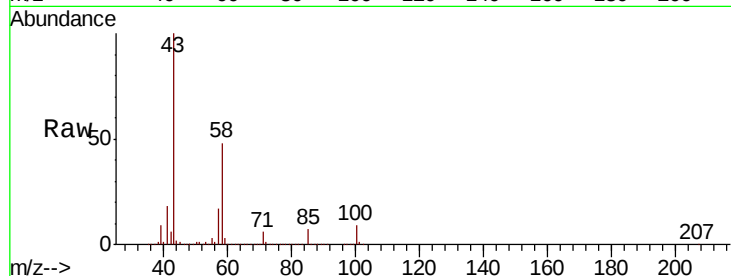




#59
2-Hexanone
Concen: 290.438 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

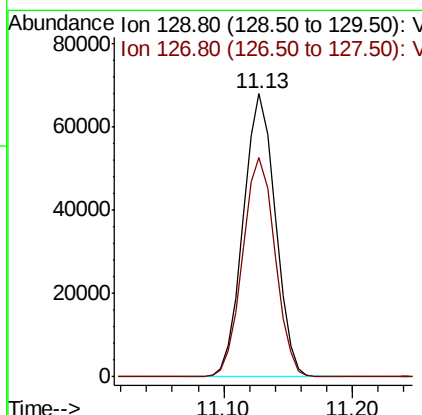
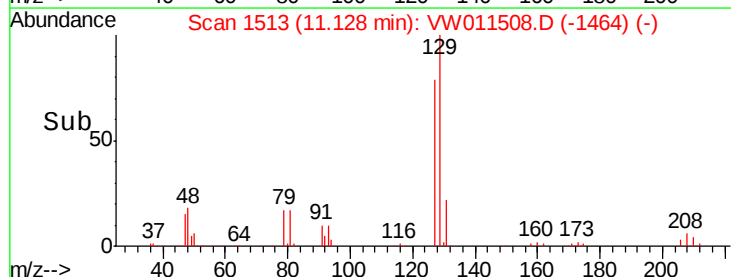
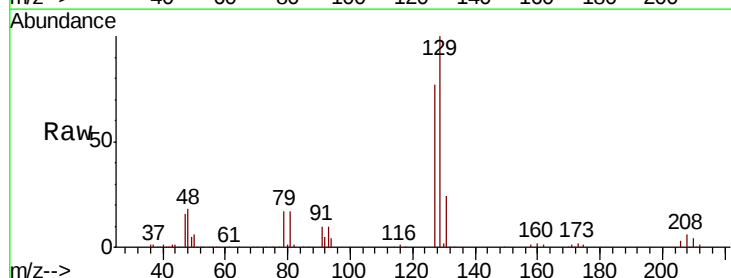
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

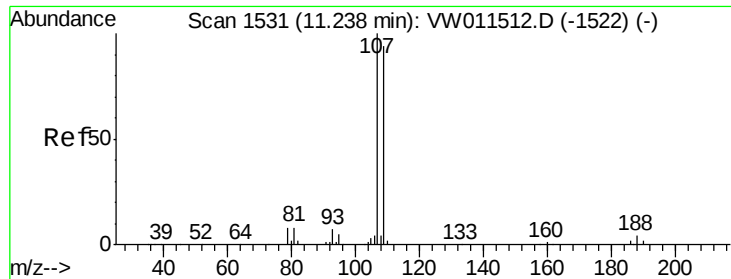
Tot Ion: 43 Resp: 434109
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9



#60
Dibromochloromethane
Concen: 56.433 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion: 129 Resp: 116944
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 55.887 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

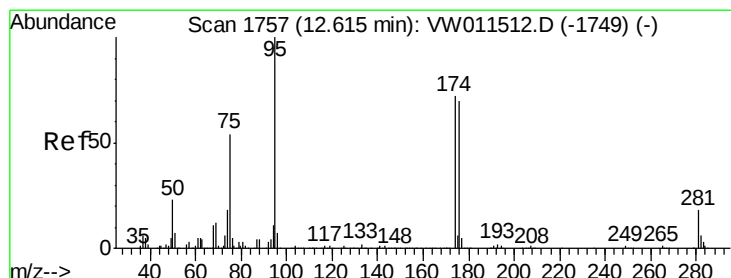
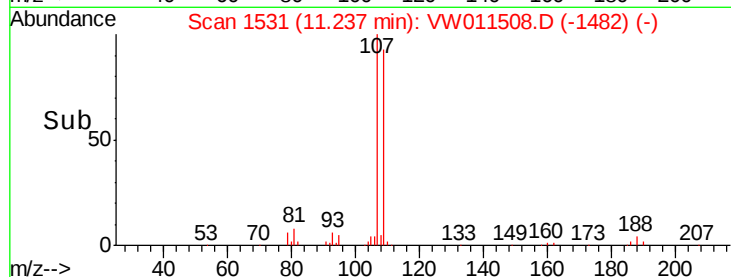
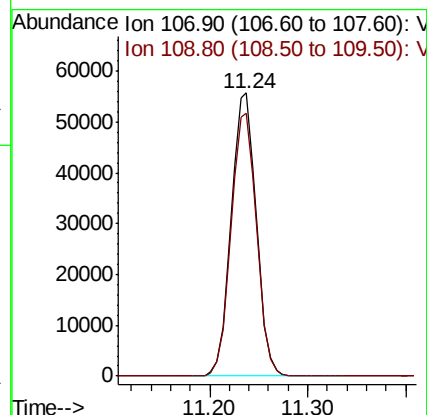
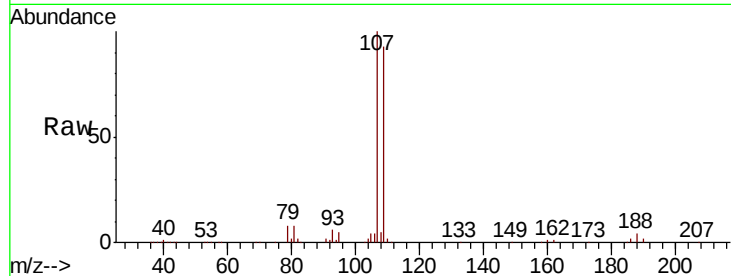
VSTDCCC050

Tot Ion:107 Resp: 98735

Ion Ratio Lower Upper

107 100

109 94.4 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 49.013 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

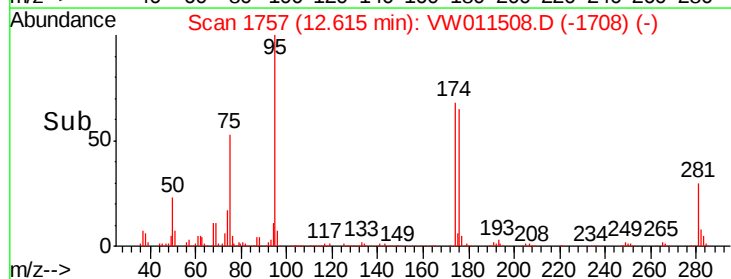
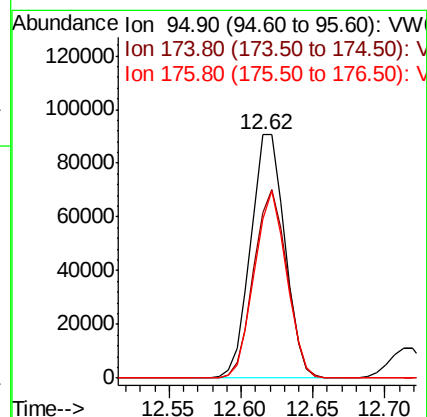
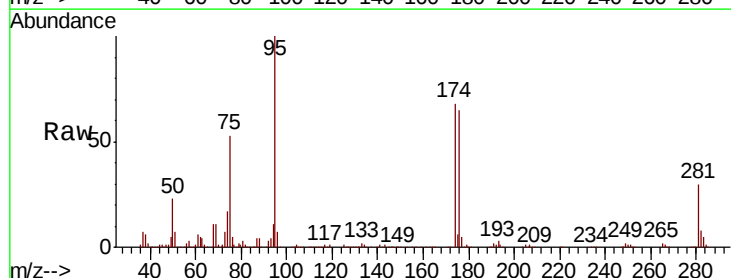
Tgt Ion: 95 Resp: 148474

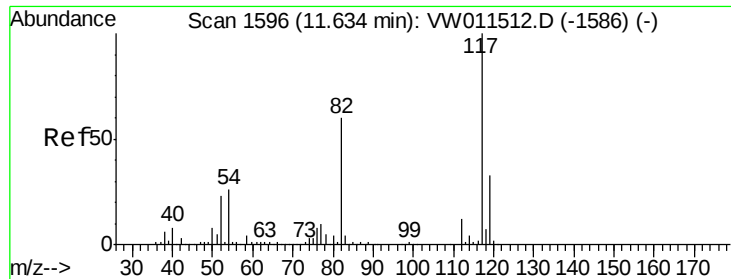
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 72.7 0.0 144.4

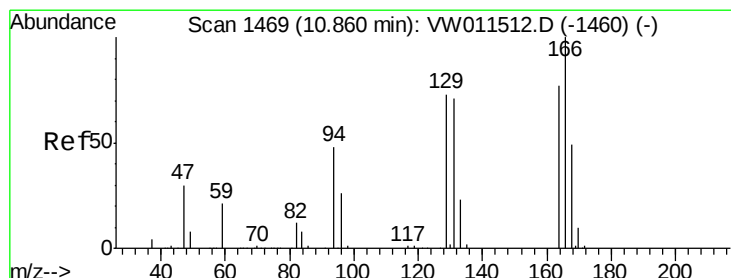
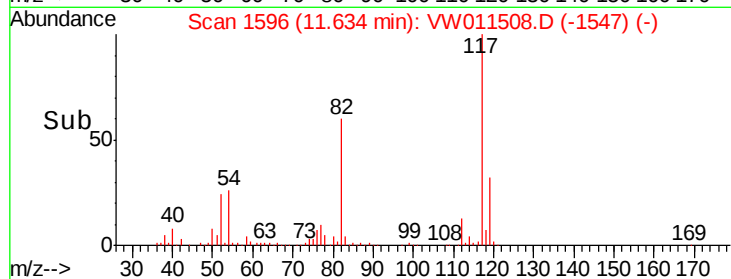
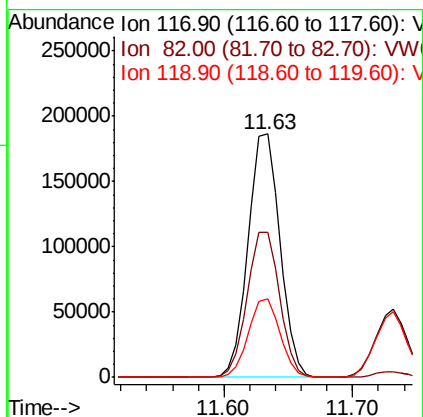
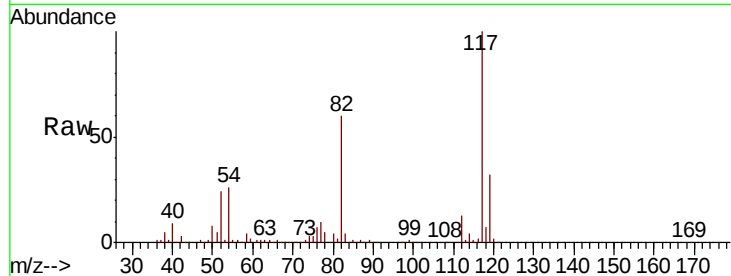




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

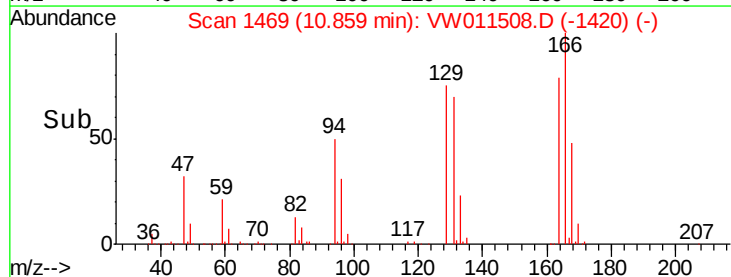
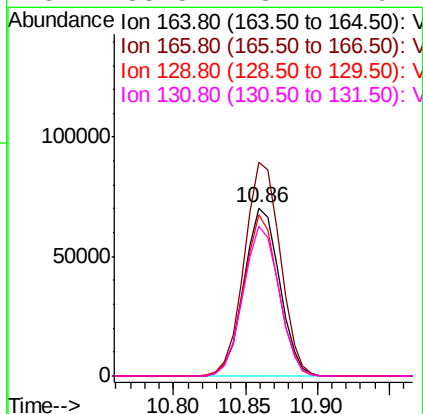
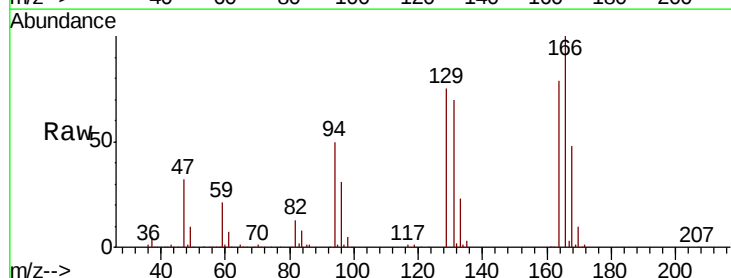
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

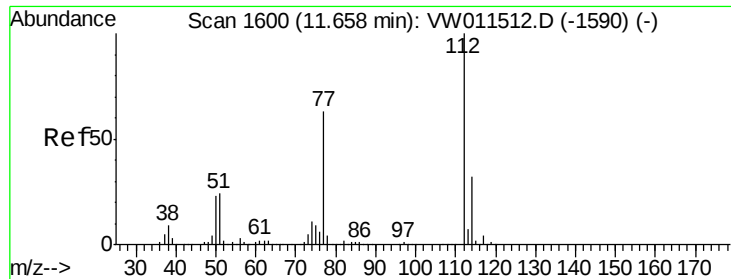
Tot Ion:117 Resp: 318465
Ion Ratio Lower Upper
117 100
82 59.7 47.9 71.9
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 57.890 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion:164 Resp: 120038
Ion Ratio Lower Upper
164 100
166 127.0 103.5 155.3
129 95.6 75.2 112.8
131 88.8 73.4 110.2





#65

Chlorobenzene

Concen: 57.668 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

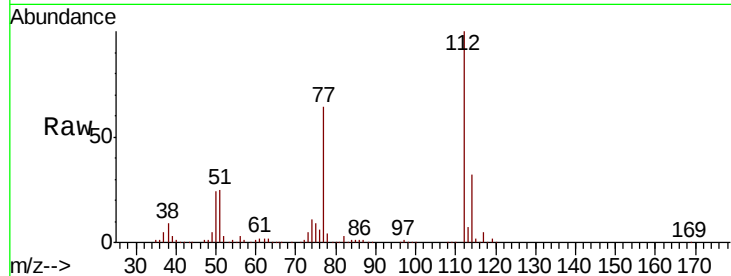
VSTDCCC050

Tot Ion:112 Resp: 369227

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

250000

200000

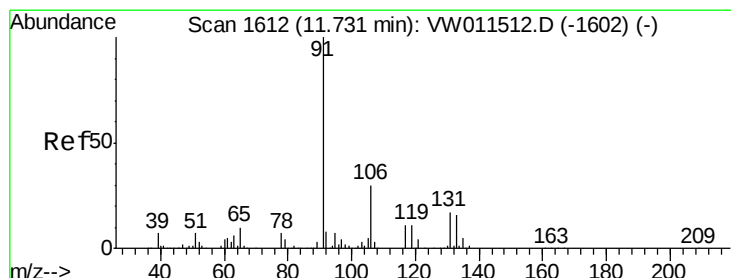
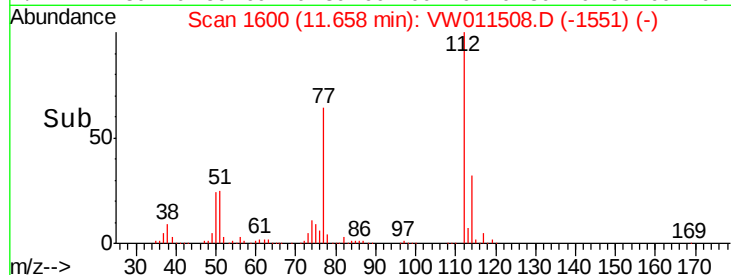
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 58.311 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

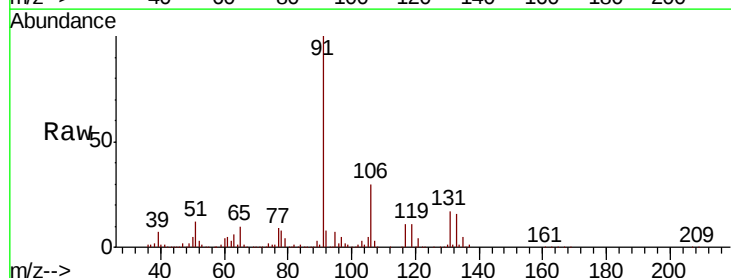
Tgt Ion:131 Resp: 130045

Ion Ratio Lower Upper

131 100

133 94.4 47.4 142.2

119 65.1 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

100000

80000

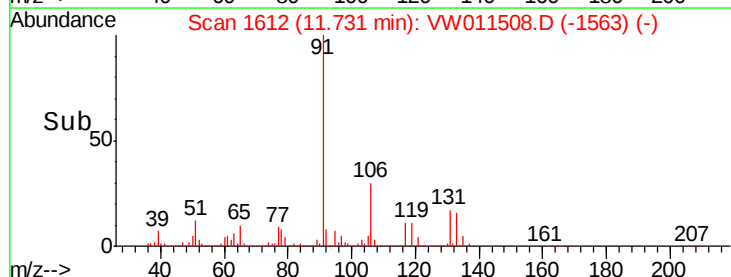
60000

40000

20000

0

Time-->

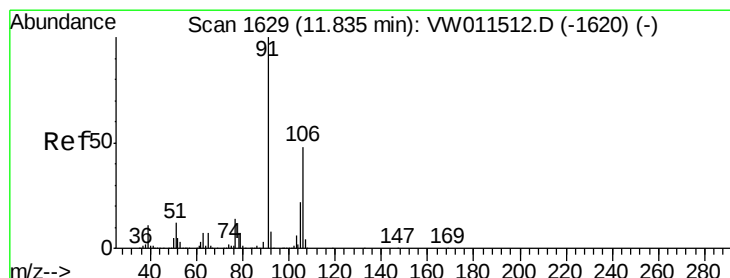
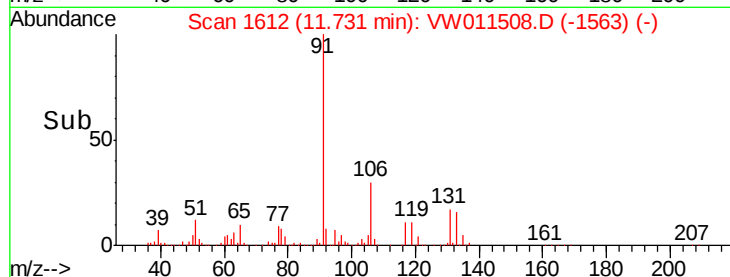
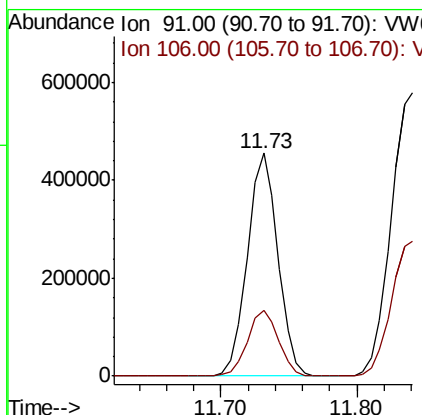
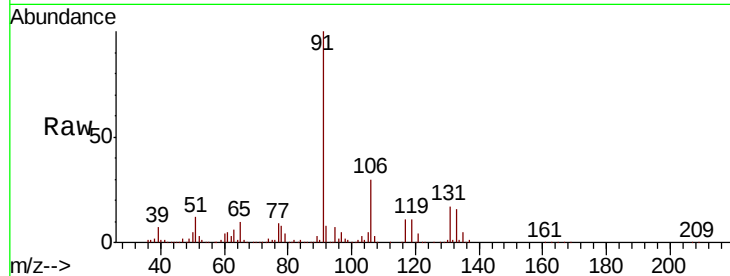




#67
Ethyl Benzene
Concen: 58.808 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

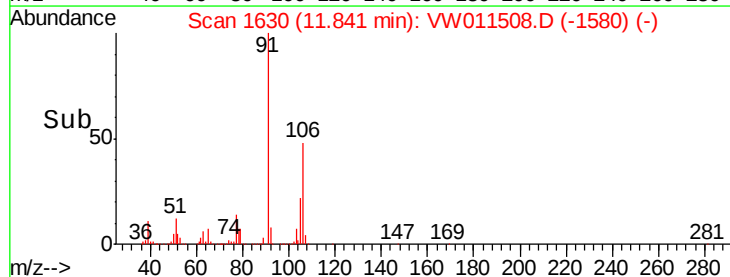
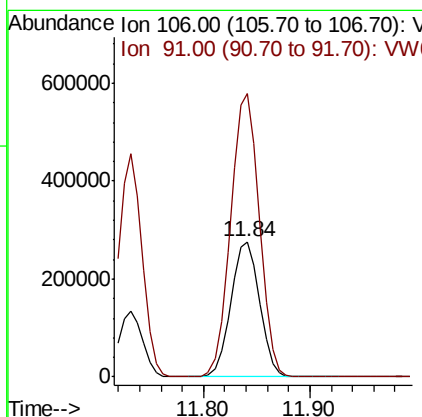
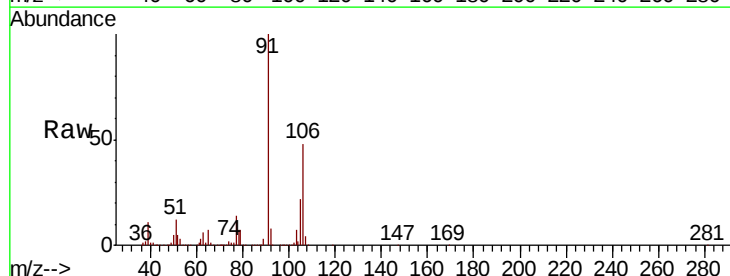
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 717115
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6



#68
m/p-Xylenes
Concen: 117.449 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion: 106 Resp: 520844
Ion Ratio Lower Upper
106 100
91 209.8 168.2 252.2

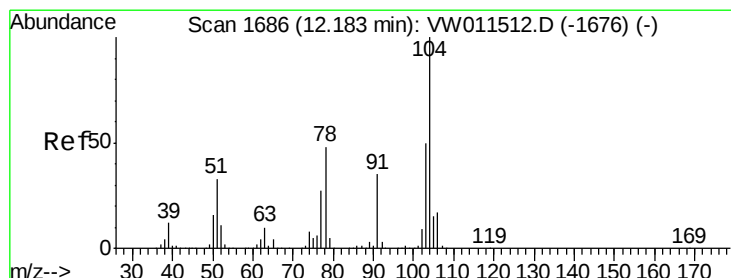
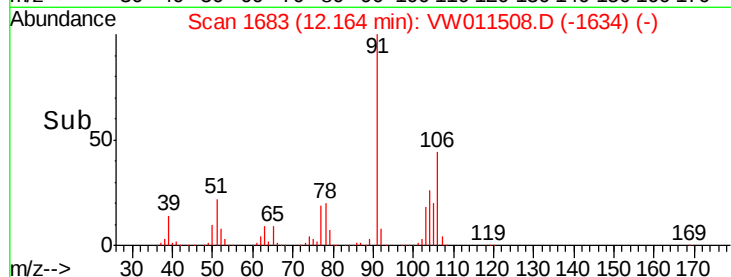
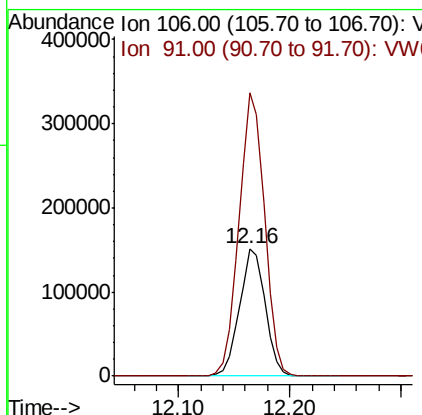
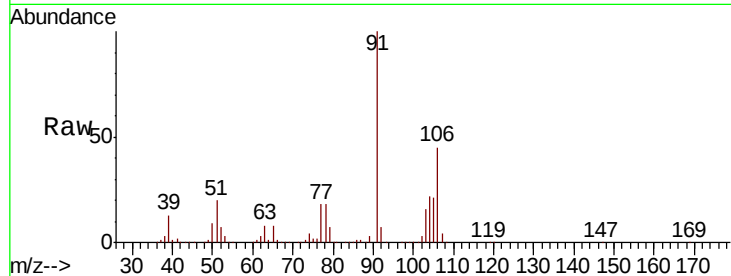




#69
o-Xylene
Concen: 58.634 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

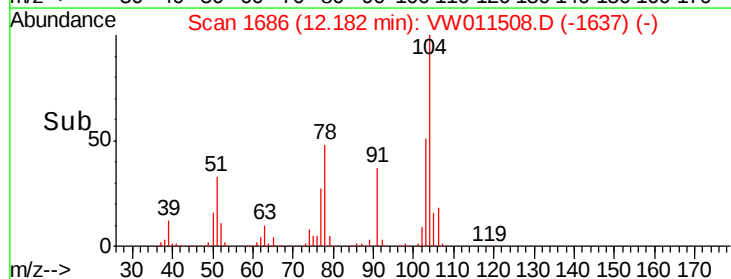
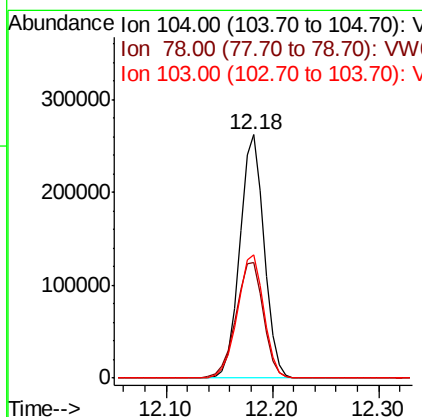
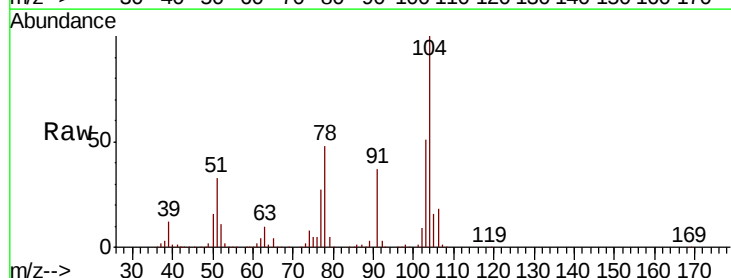
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 241627
Ion Ratio Lower Upper
106 100
91 221.1 110.5 331.5



#70
Styrene
Concen: 59.095 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion:104 Resp: 421060
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 55.1 43.9 65.9





#71

Bromoform

Concen: 58.809 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

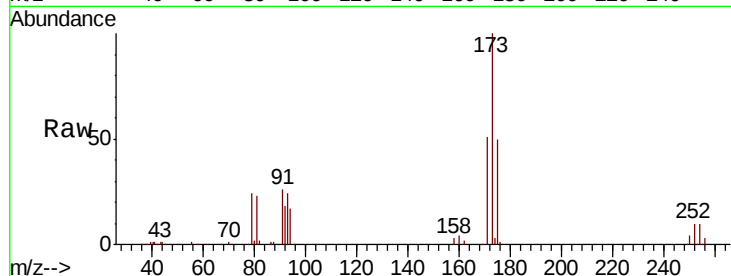
Tot Ion:173 Resp: 66871

Ion Ratio Lower Upper

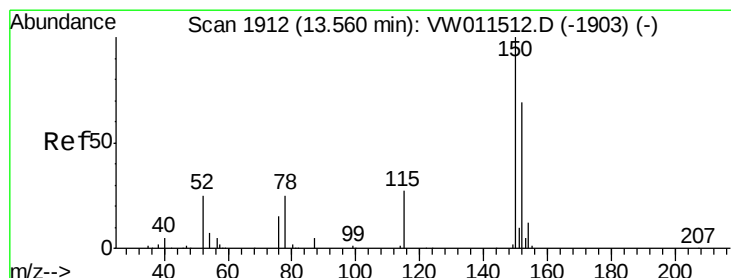
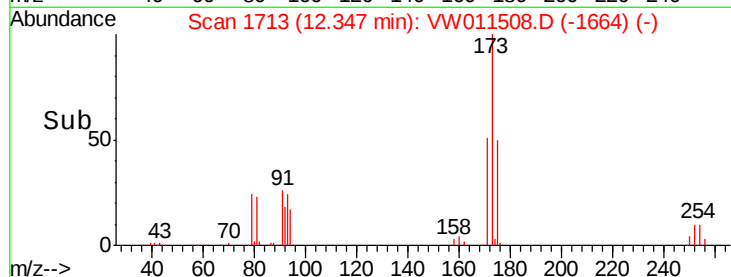
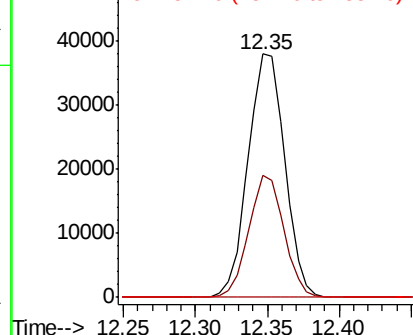
173 100

175 47.9 23.6 71.0

254 0.2 0.1 0.1#



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: VW011508.D

Acq: 26 Jul 2019 10:41

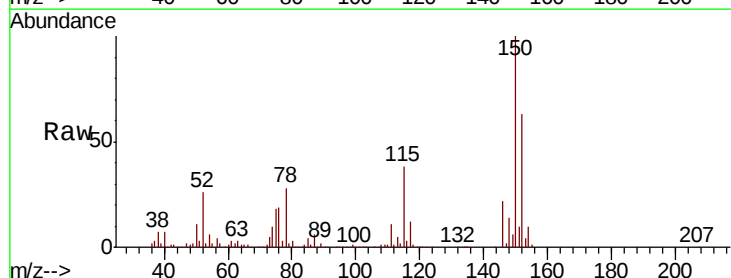
Tgt Ion:152 Resp: 154916

Ion Ratio Lower Upper

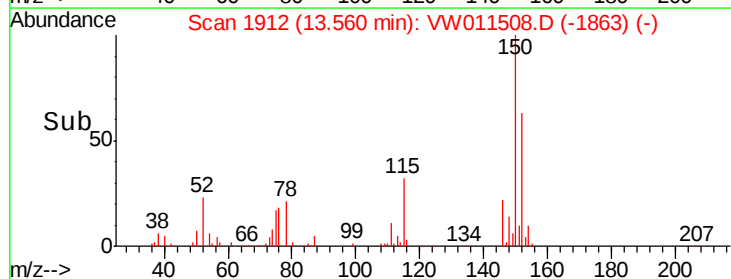
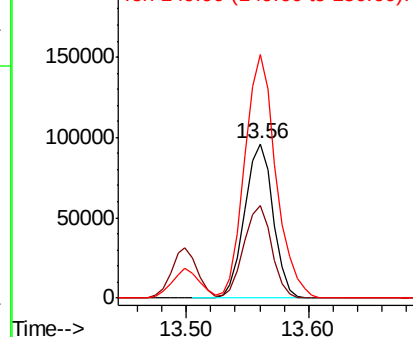
152 100

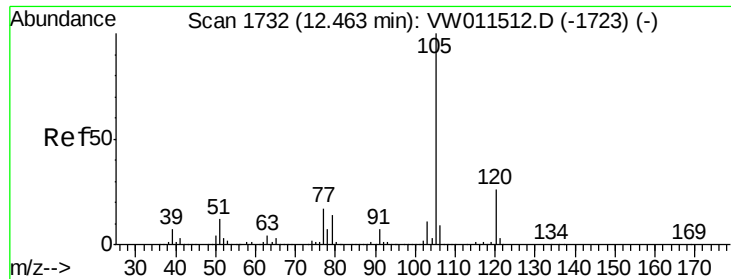
115 59.3 30.5 91.5

150 172.9 0.0 352.6



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: 57.997 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

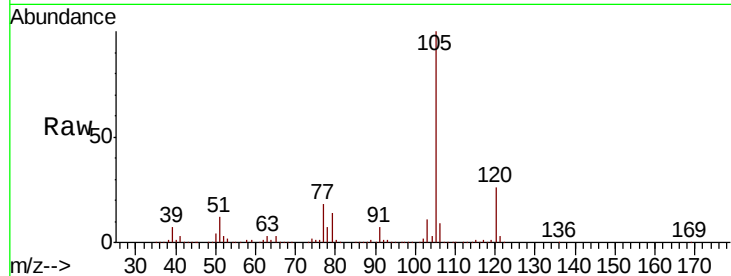
VSTDCCC050

Tot Ion:105 Resp: 670279

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

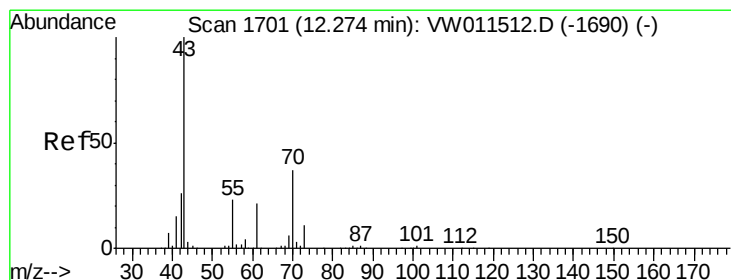
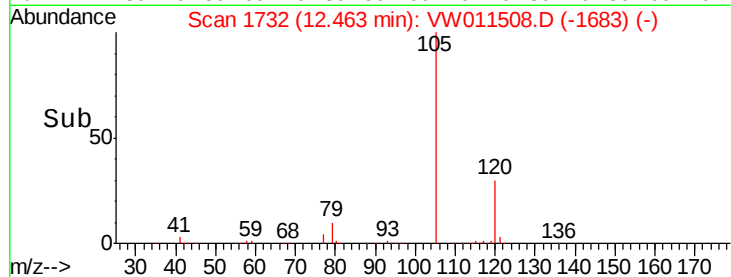
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 57.571 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Tgt Ion: 43 Resp: 208306

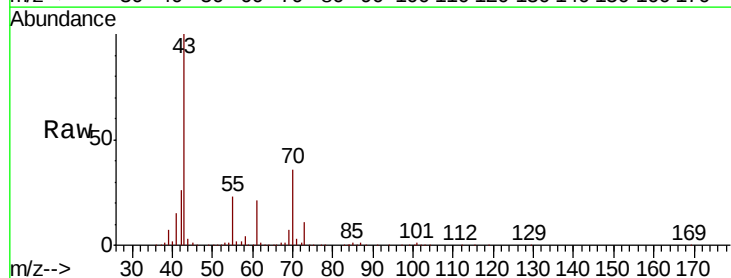
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 22.6 17.8 26.8

61 21.2 17.0 25.6



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

12.27

200000

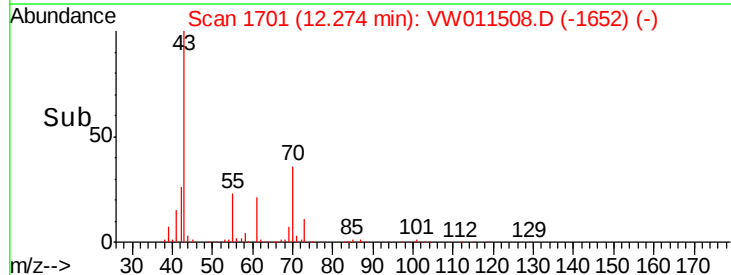
150000

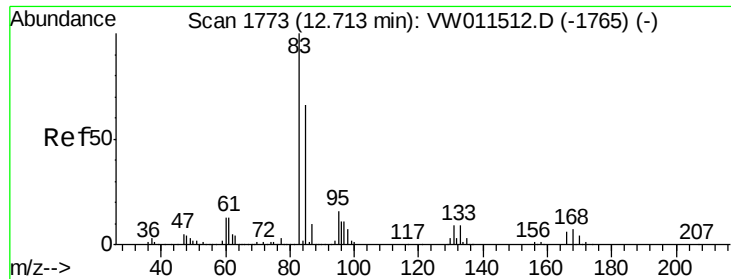
100000

50000

0

Time-->

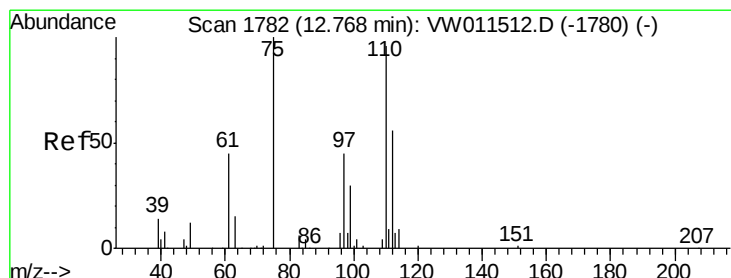
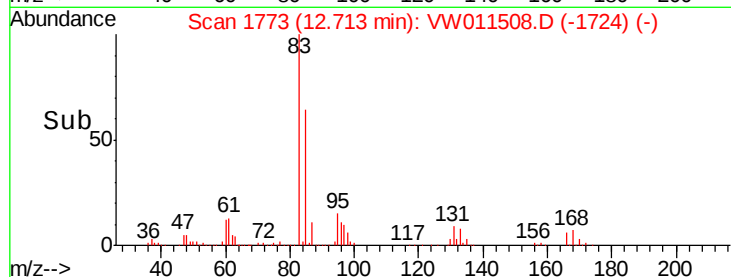
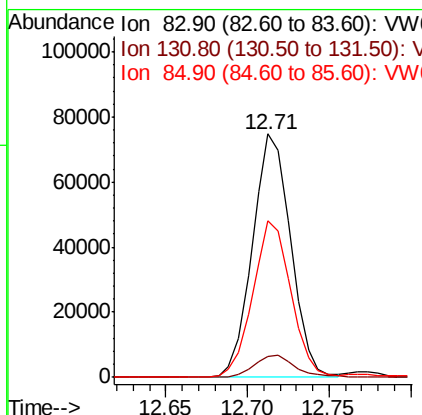
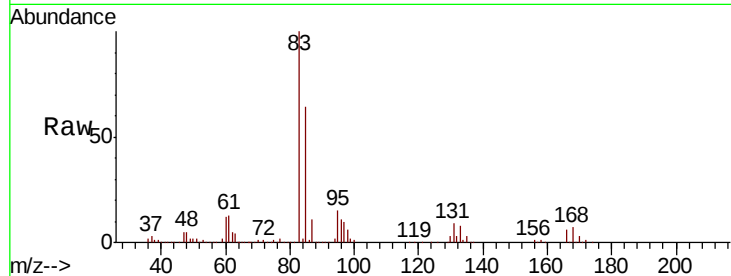




#75
 1,1,2,2-Tetrachloroethane
 Concen: 56.093 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

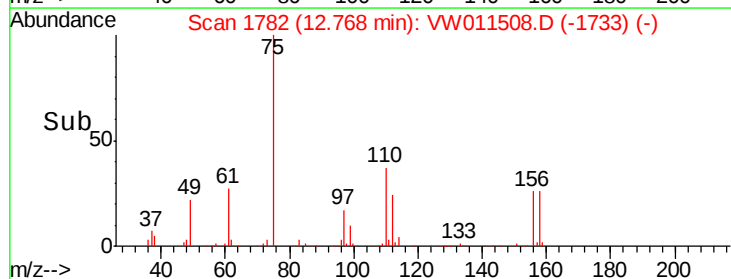
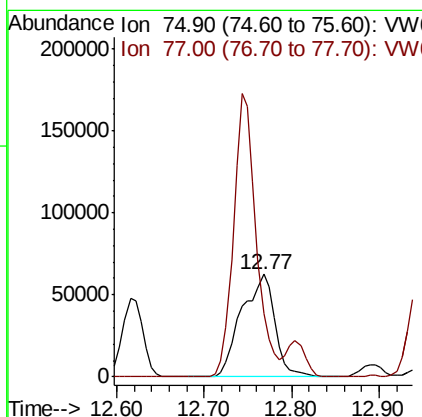
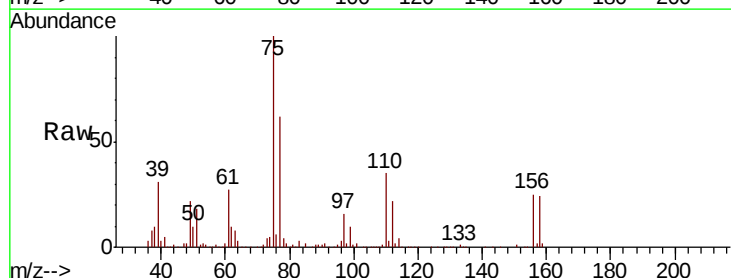
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

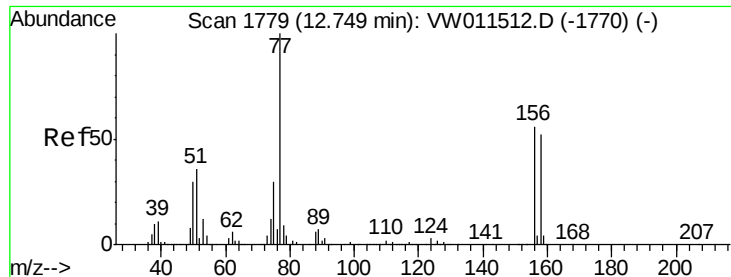
Tot Ion	83	Resp	121939
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.7	31.8	95.4



#76
 1,2,3-Trichloropropane
 Concen: 100.904 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion	75	Resp	165400
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 57.532 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

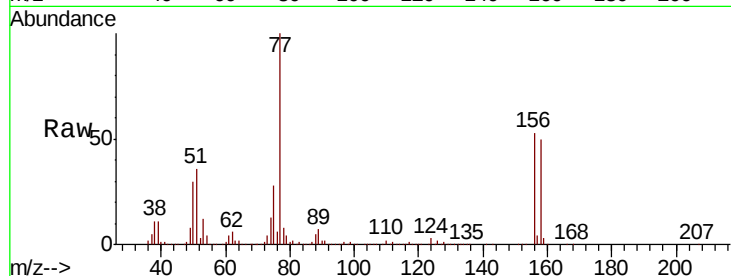
Tot Ion:156 Resp: 146963

Ion Ratio Lower Upper

156 100

77 213.0 106.5 319.4

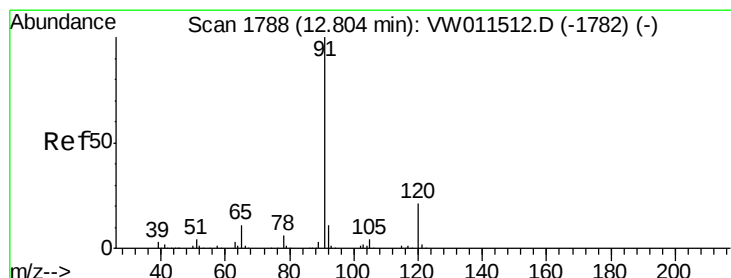
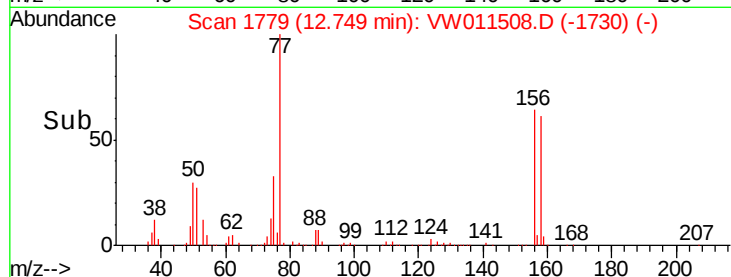
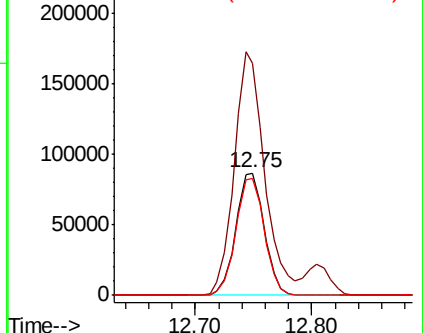
158 96.2 48.0 144.2



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: 58.663 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011508.D

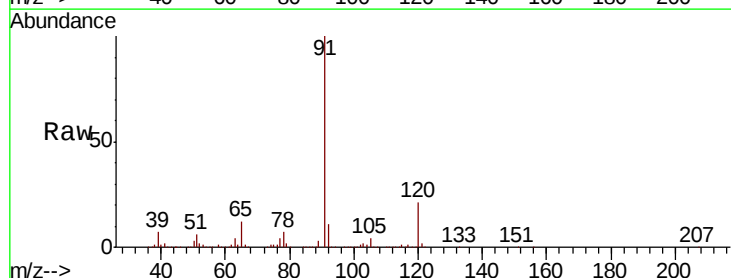
Acq: 26 Jul 2019 10:41

Tgt Ion: 91 Resp: 825092

Ion Ratio Lower Upper

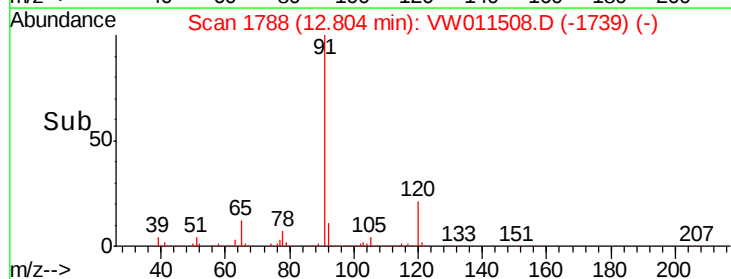
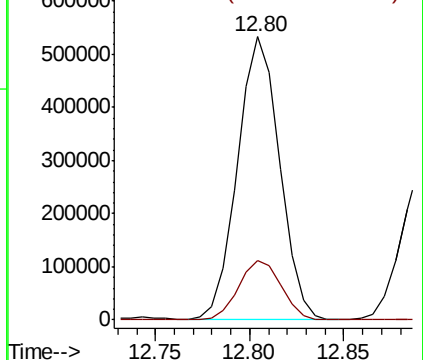
91 100

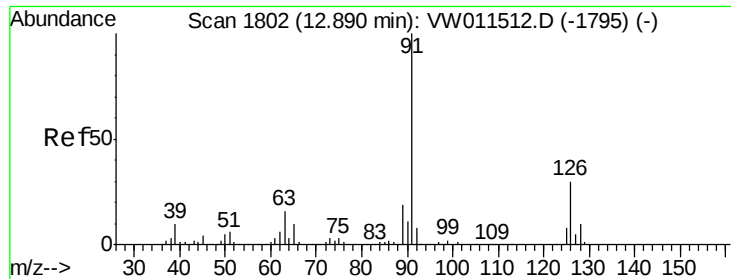
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

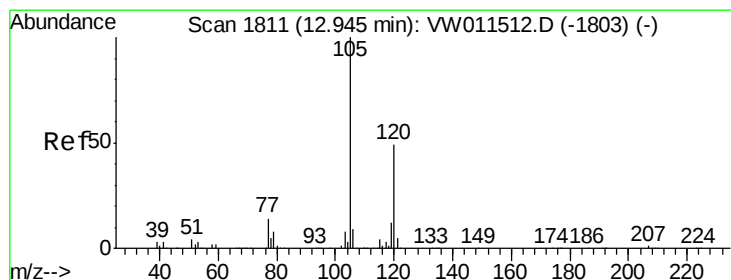
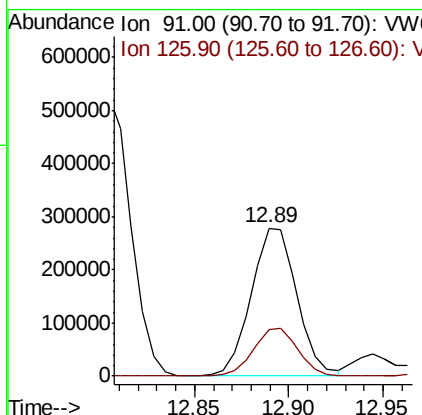
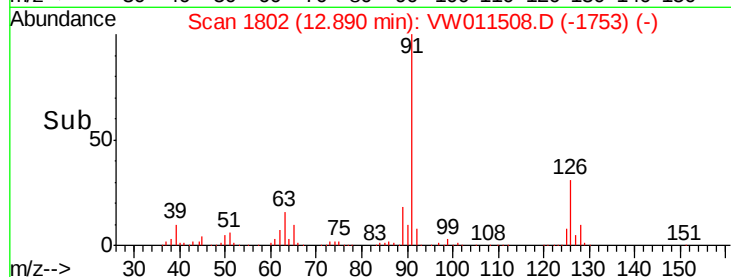
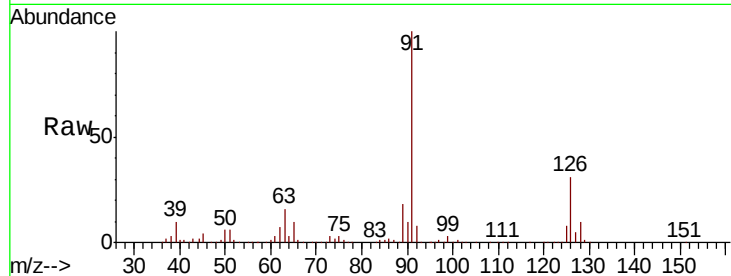




#79
 2-Chlorotoluene
 Concen: 57.783 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

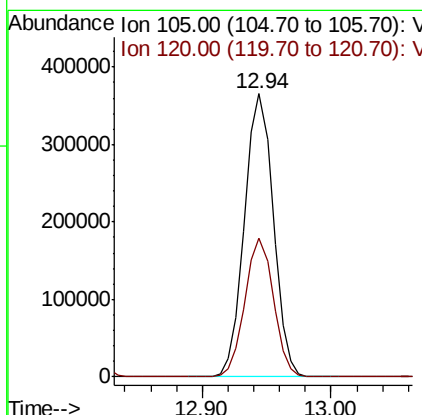
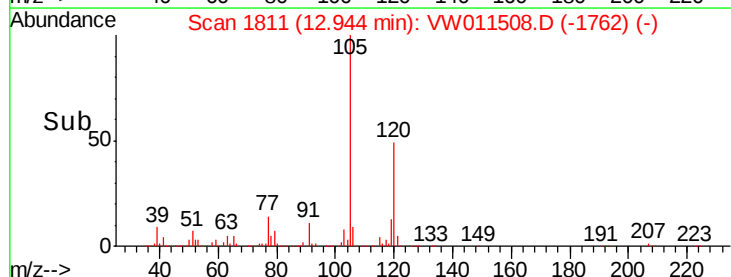
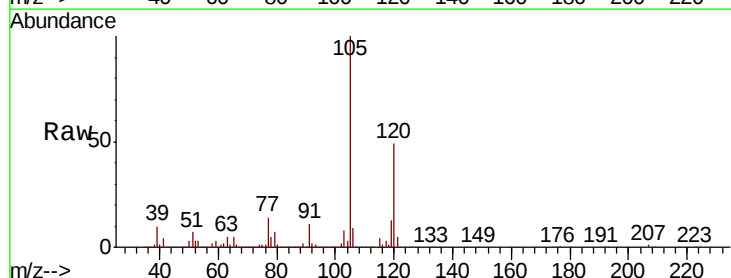
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

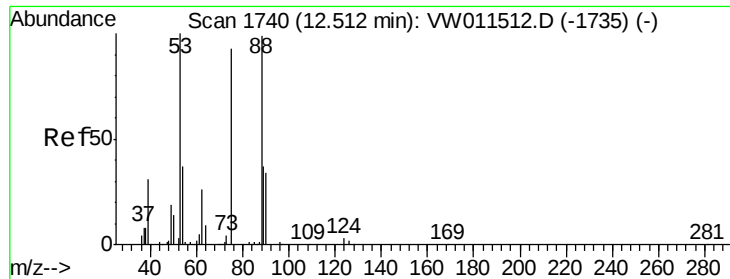
Tot Ion: 91 Resp: 468208
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 58.215 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion:105 Resp: 563968
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 59.281 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

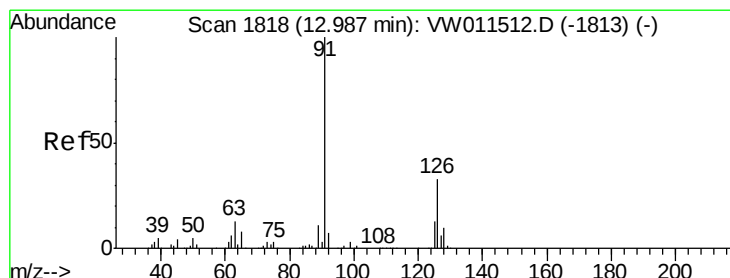
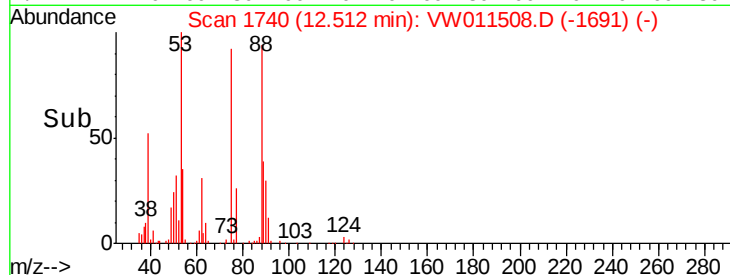
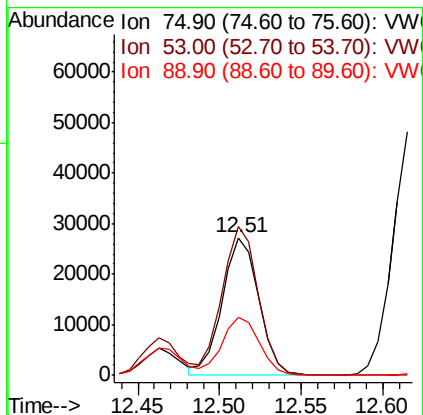
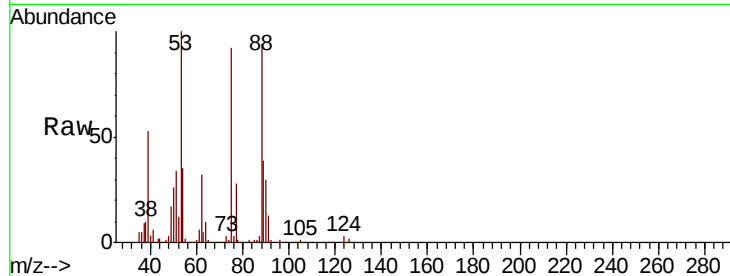
Tot Ion: 75 Resp: 42164

Ion Ratio Lower Upper

75 100

53 107.8 88.0 132.0

89 43.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 56.976 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011508.D

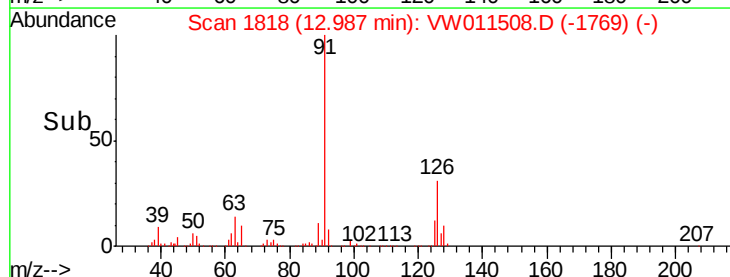
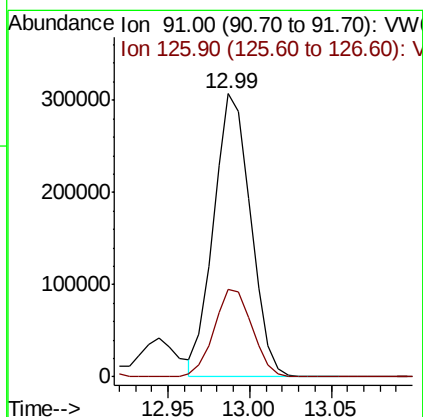
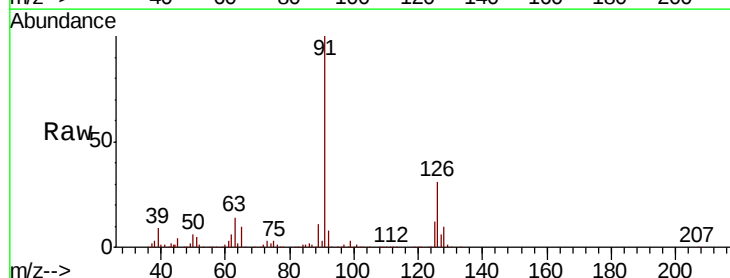
Acq: 26 Jul 2019 10:41

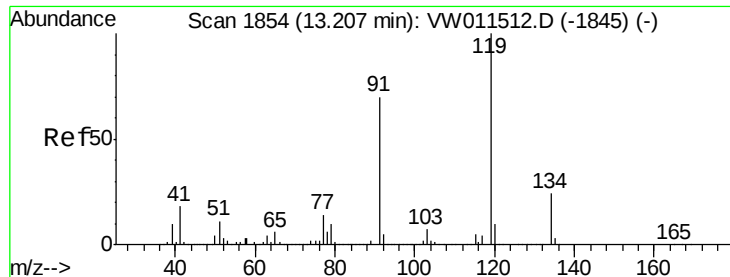
Tgt Ion: 91 Resp: 484387

Ion Ratio Lower Upper

91 100

126 31.9 15.6 46.8

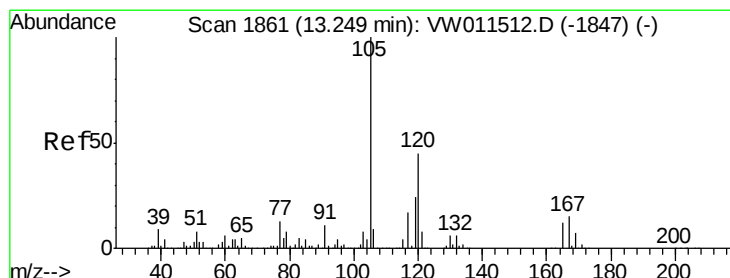
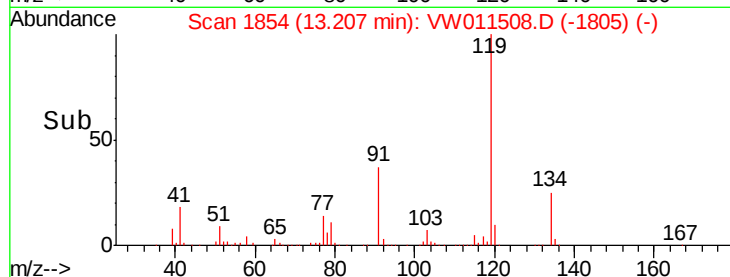
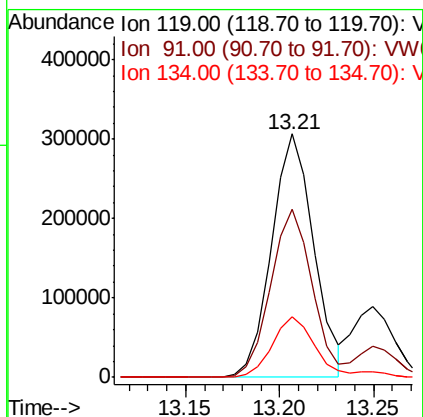
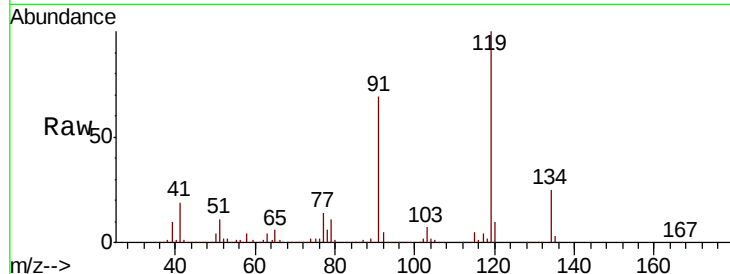




#83
tert-Butylbenzene
Concen: 58.695 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

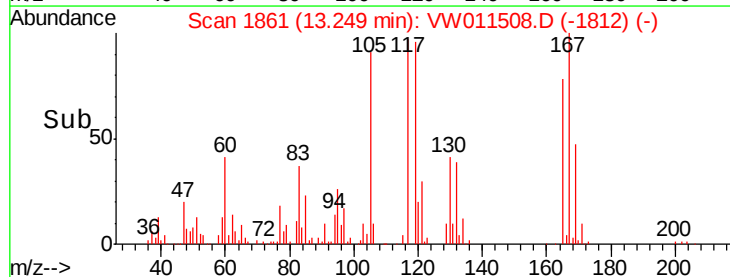
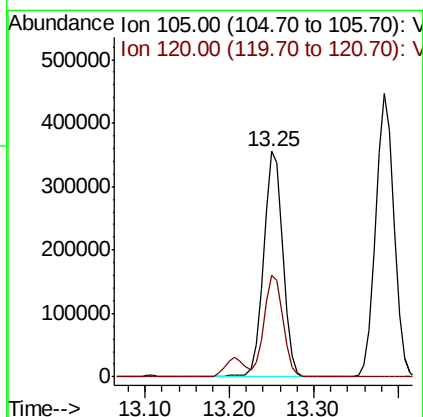
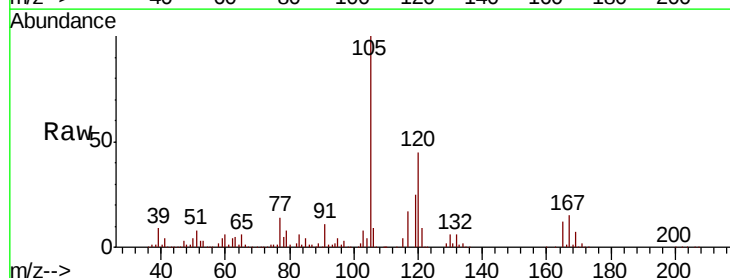
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

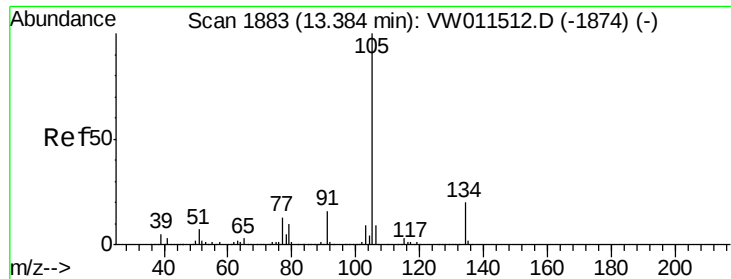
Tot Ion:119 Resp: 475511
Ion Ratio Lower Upper
119 100
91 68.0 34.5 103.6
134 26.6 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 57.480 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion:105 Resp: 560952
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 58.473 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

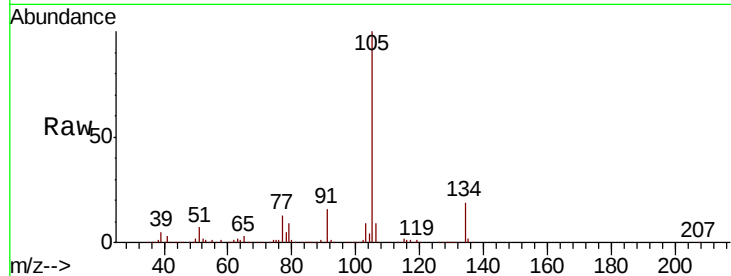
VSTDCCC050

Tot Ion:105 Resp: 675924

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

500000

400000

300000

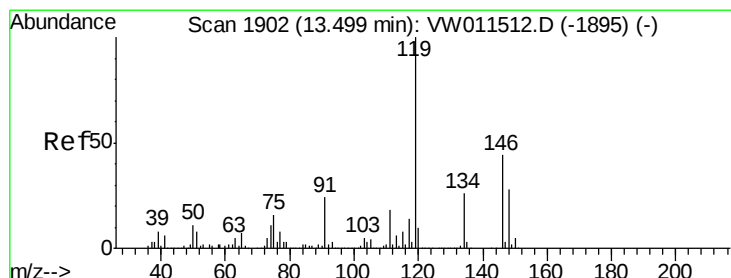
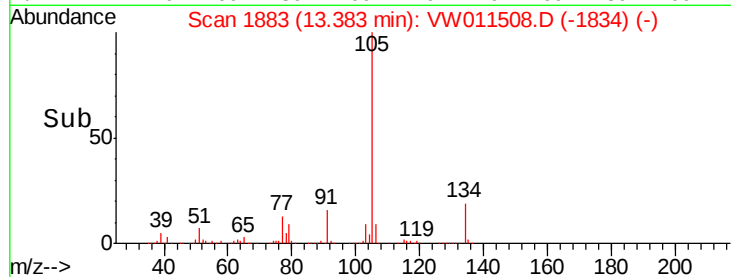
200000

100000

0

13.30 13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 58.315 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

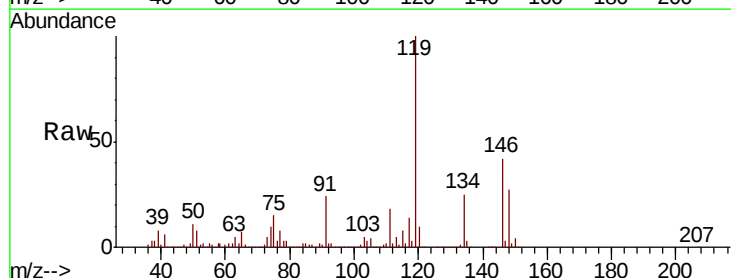
Tgt Ion:119 Resp: 611618

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

500000

400000

300000

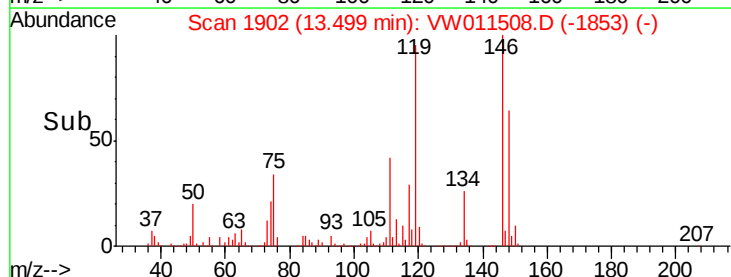
200000

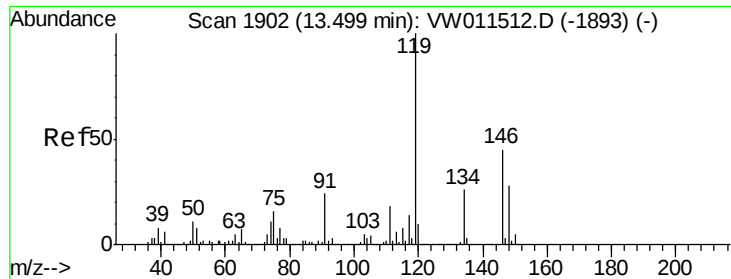
100000

0

13.45 13.50 13.55

Time-->

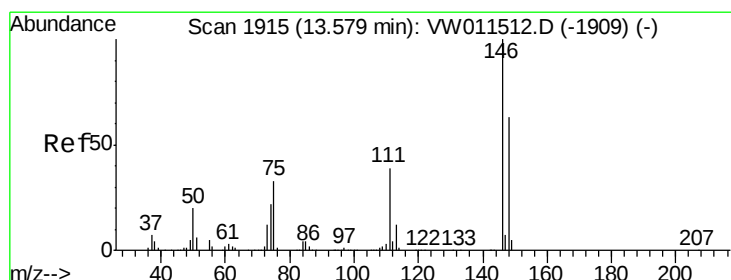
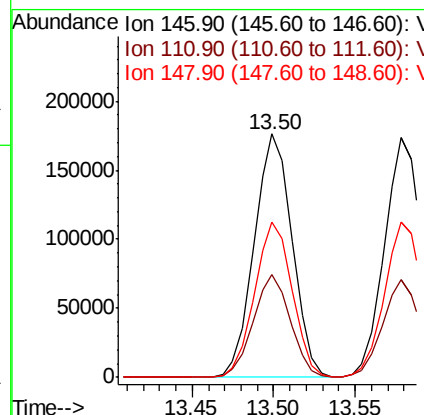
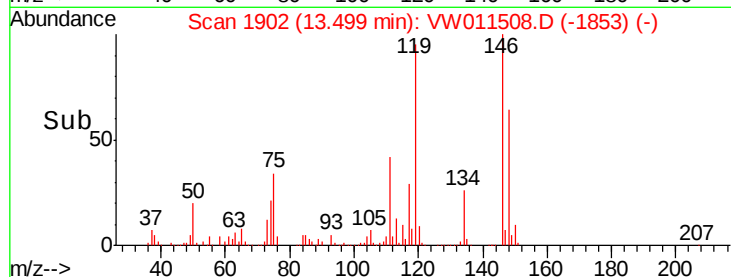
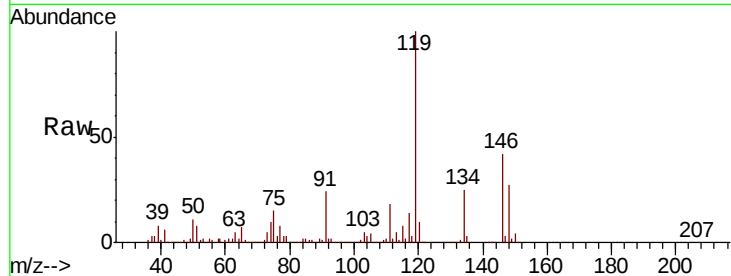




#87
 1,3-Dichlorobenzene
 Concen: 56.980 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

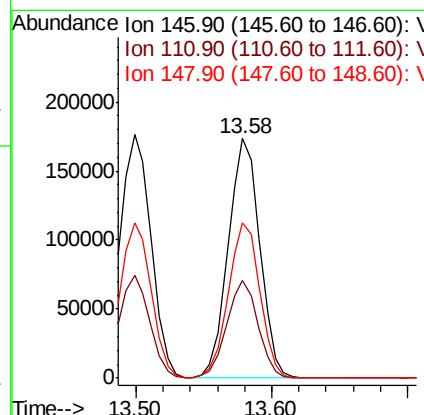
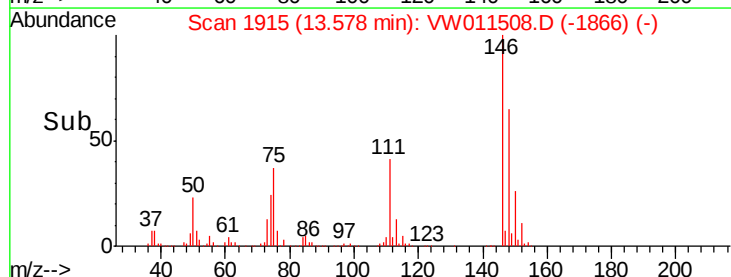
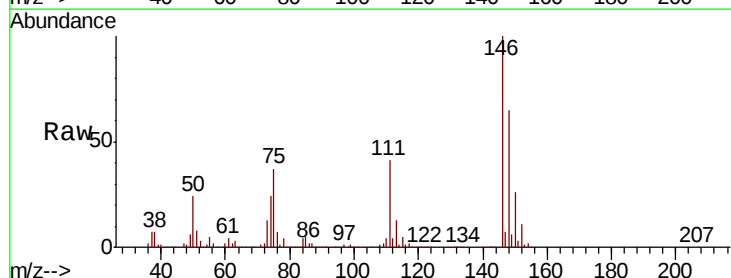
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

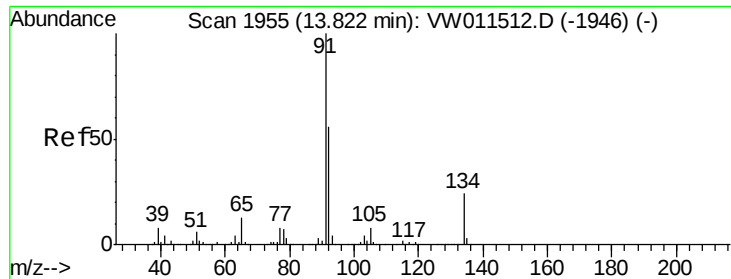
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	63.3	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 55.921 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	65.0	31.9	95.9





#89

n-Butylbenzene

Concen: 58.919 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

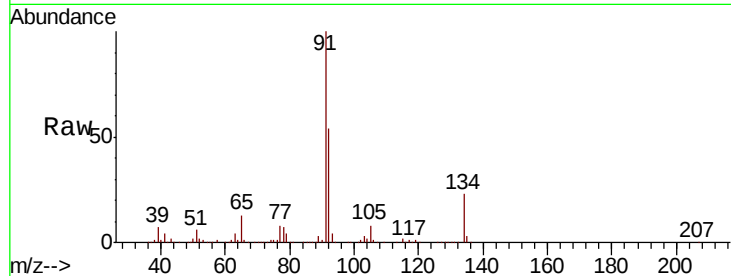
Tot Ion: 91 Resp: 616684

Ion Ratio Lower Upper

91 100

92 53.9 27.5 82.4

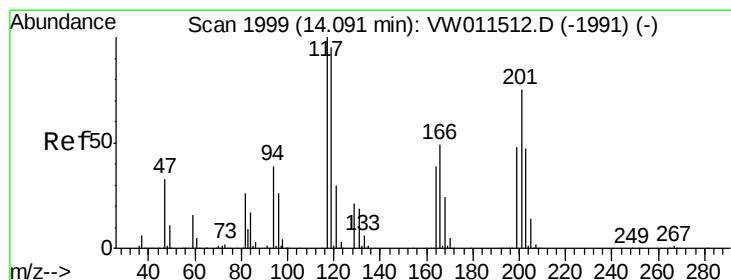
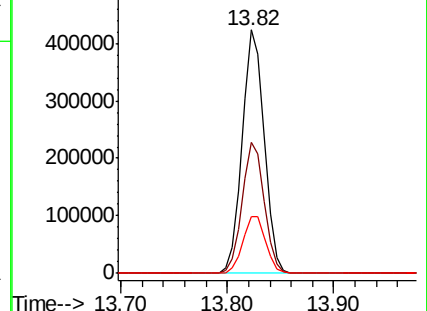
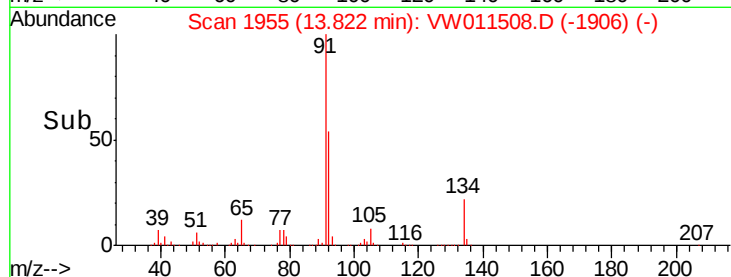
134 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 59.006 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011508.D

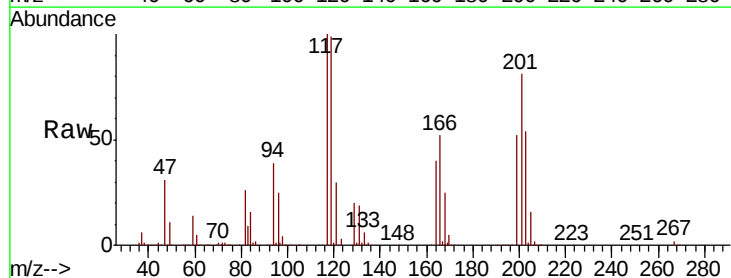
Acq: 26 Jul 2019 10:41

Tgt Ion: 117 Resp: 109433

Ion Ratio Lower Upper

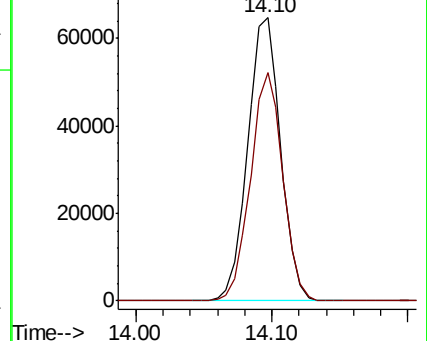
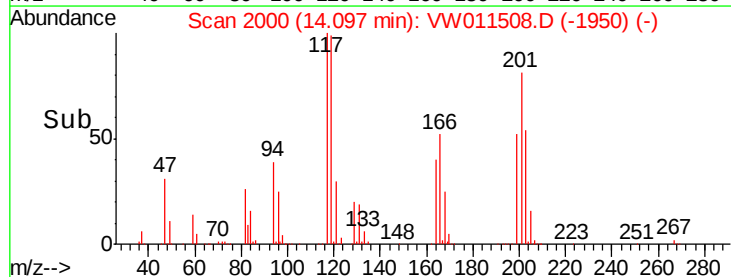
117 100

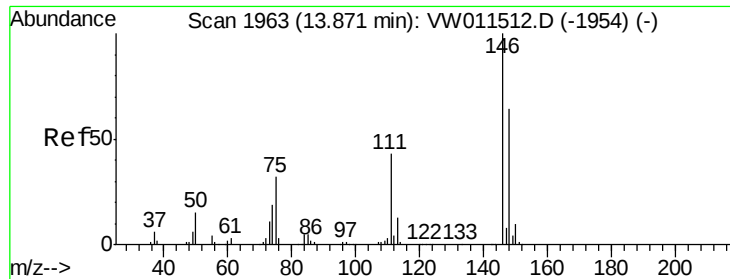
201 79.1 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 56.859 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

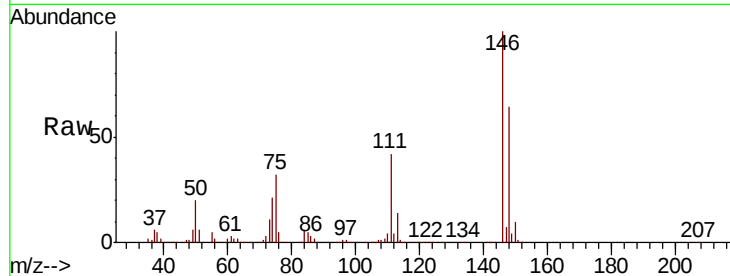
Tot Ion:146 Resp: 251885

Ion Ratio Lower Upper

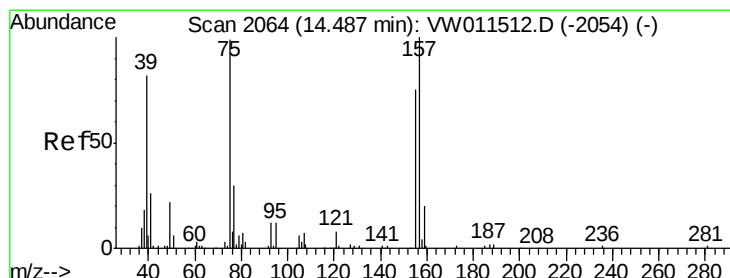
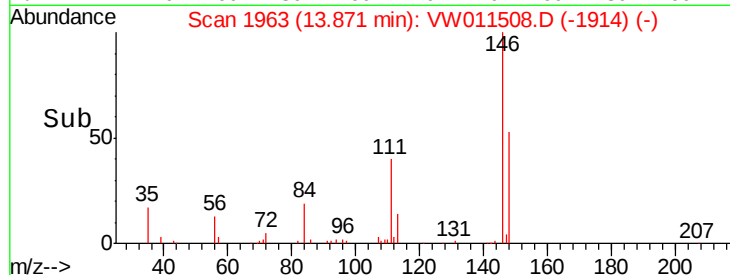
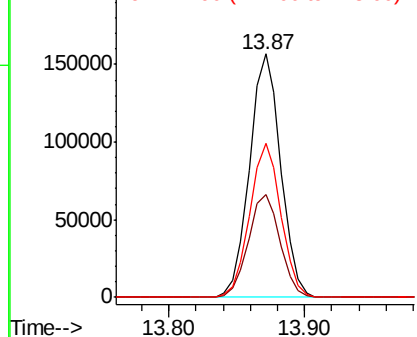
146 100

111 43.0 21.6 65.0

148 63.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.890 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011508.D

Acq: 26 Jul 2019 10:41

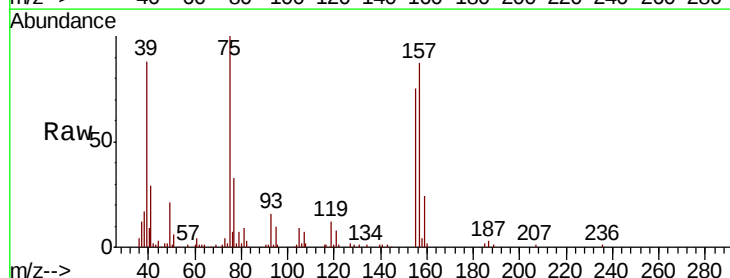
Tgt Ion: 75 Resp: 20348

Ion Ratio Lower Upper

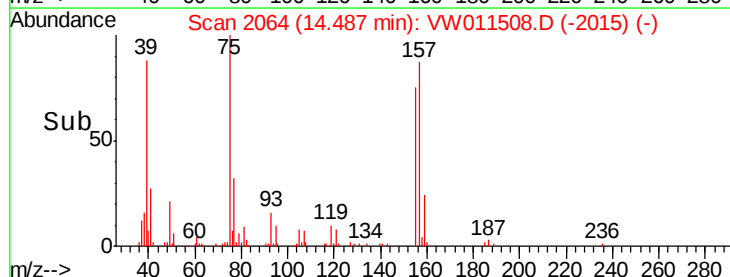
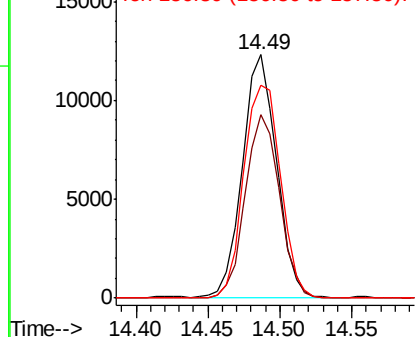
75 100

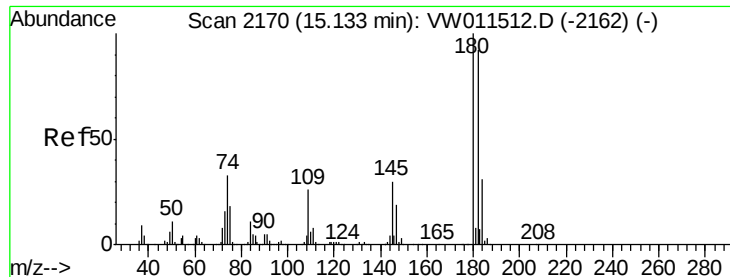
155 75.2 38.2 114.6

157 93.6 48.9 146.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

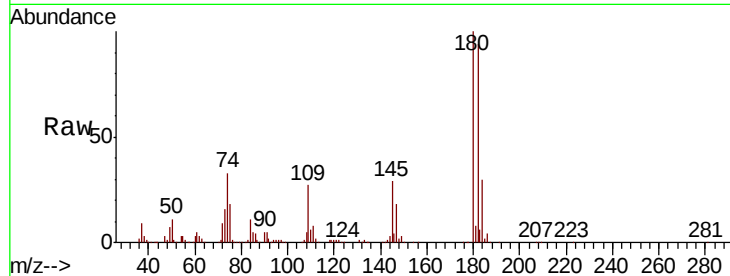




#93
 1,2,4-Trichlorobenzene
 Concen: 57.620 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	29.5	15.4	46.1

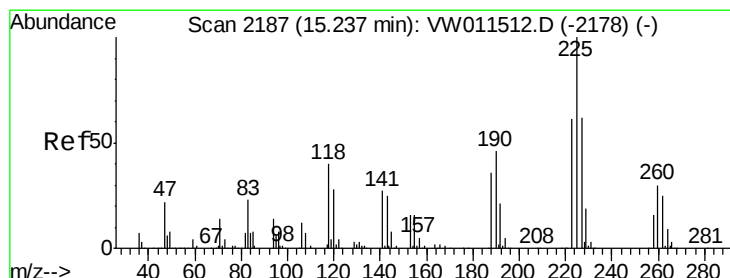
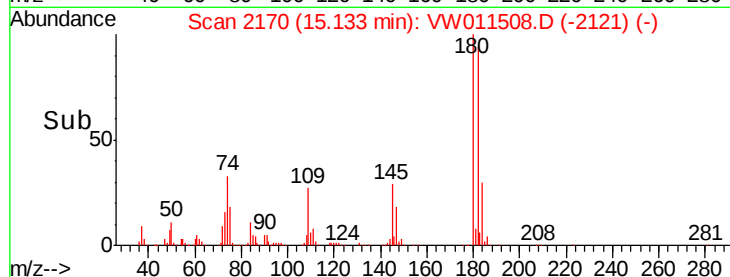
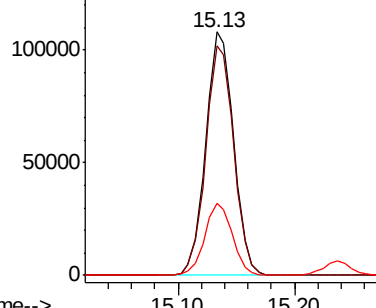


Abundance

Ion 179.80 (179.50 to 180.50): V

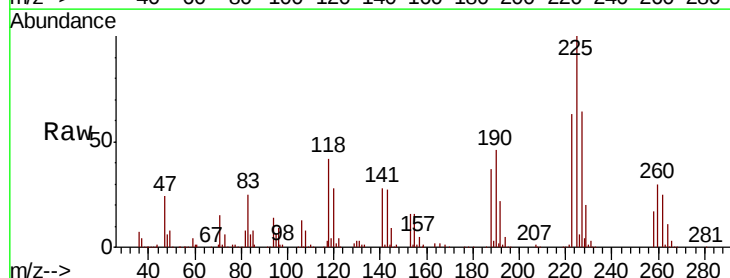
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 57.610 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011508.D
 Acq: 26 Jul 2019 10:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.3
227	62.5	31.6	94.7

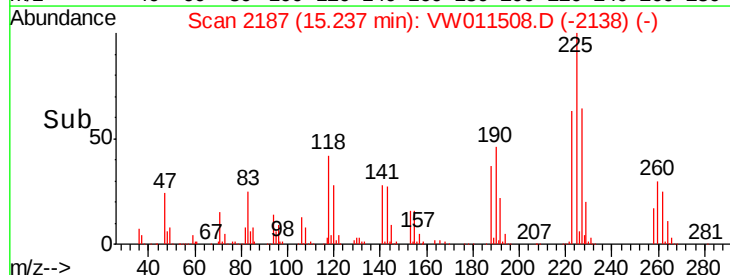
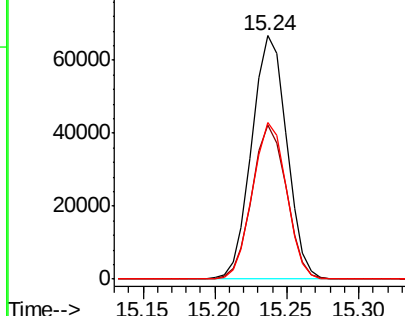


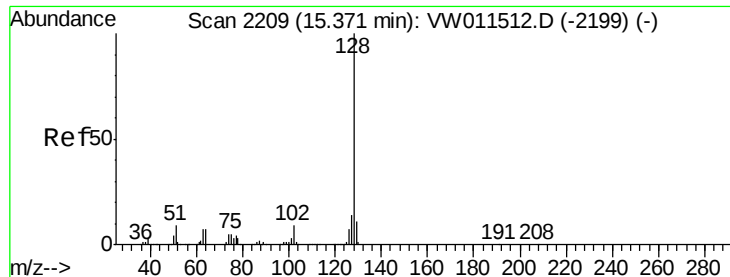
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

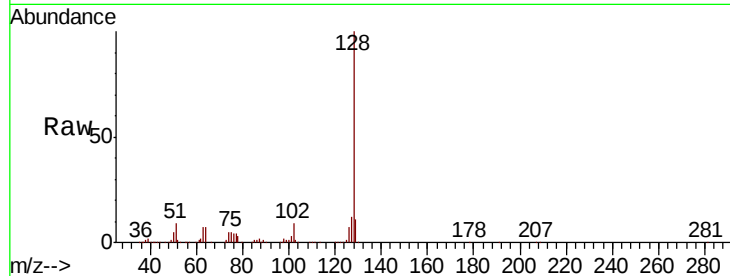




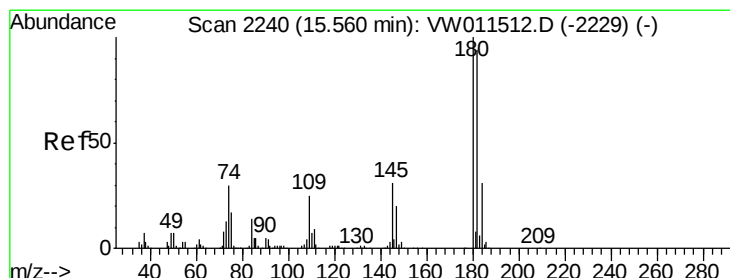
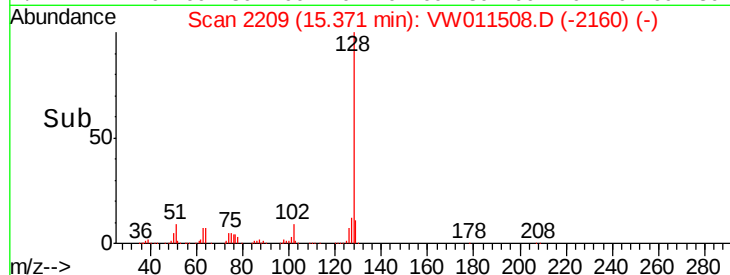
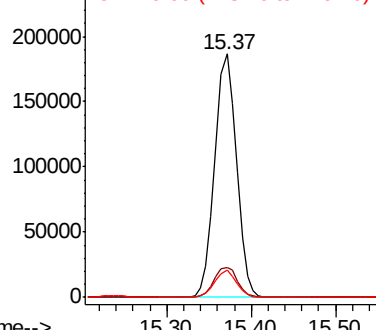
#95
Naphthalene
Concen: 52.752 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 323346
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.2 8.6 13.0

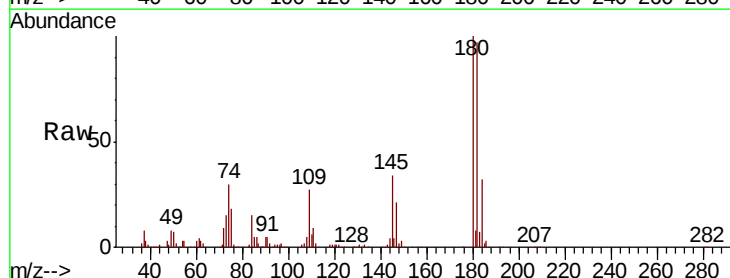


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 56.086 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011508.D
Acq: 26 Jul 2019 10:41

Tgt Ion:180 Resp: 153494
Ion Ratio Lower Upper
180 100
182 95.2 47.4 142.2
145 32.8 15.9 47.7



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

