

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012861.D
 Acq On : 10 Sep 2019 10:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 10 15:01:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	155003	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	121894	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	
35) Dibromofluoromethane	7.88	113	102779	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	10.32	98	418163	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.62	95	145641	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	61017	45.884	ug/l	100
3) Chloromethane	2.21	50	72980	45.157	ug/l	99
4) Vinyl Chloride	2.36	62	96474	48.686	ug/l	98
5) Bromomethane	2.77	94	58149	54.040	ug/l	92
6) Chloroethane	2.92	64	62304	52.689	ug/l	95
7) Trichlorofluoromethane	3.25	101	64569	47.219	ug/l	99
8) Diethyl Ether	3.68	74	56744	49.373	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104003	48.466	ug/l	96
10) Methyl Iodide	4.27	142	136444	50.508	ug/l	97
11) Tert butyl alcohol	5.18	59	43342	206.687	ug/l	99
12) 1,1-Dichloroethene	4.04	96	97709	48.234	ug/l	93
13) Acrolein	3.89	56	50584	227.314	ug/l	99
14) Allyl chloride	4.66	41	195373	46.623	ug/l	99
15) Acrylonitrile	5.36	53	145137	216.212	ug/l	99
16) Acetone	4.12	43	166136	222.347	ug/l	99
17) Carbon Disulfide	4.38	76	195421	45.448	ug/l	99
18) Methyl Acetate	4.67	43	71985	41.063	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	201813	50.234	ug/l	97
20) Methylene Chloride	4.91	84	109723	46.938	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	103785	50.212	ug/l	94
22) Diisopropyl ether	6.31	45	405374	48.774	ug/l	99
23) Vinyl Acetate	6.25	43	1249265	237.177	ug/l	99
24) 1,1-Dichloroethane	6.21	63	220749	49.328	ug/l	98
25) 2-Butanone	7.17	43	215815	200.403	ug/l	97
26) 2,2-Dichloropropane	7.16	77	144925	51.274	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	126142	52.633	ug/l	97
28) Bromochloromethane	7.51	49	95058	46.260	ug/l	90
29) Tetrahydrofuran	7.53	42	123863	205.280	ug/l	96
30) Chloroform	7.67	83	217862	49.122	ug/l	100
31) Cyclohexane	7.95	56	175482	43.557	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	180910	50.322	ug/l	98
36) 1,1-Dichloropropene	8.08	75	162561	50.614	ug/l	98
37) Ethyl Acetate	7.24	43	90021	43.968	ug/l	99
38) Carbon Tetrachloride	8.06	117	163382	51.605	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	178821	49.573	ug/l	96
40) Benzene	8.32	78	454582	51.013	ug/l	100
41) Methacrylonitrile	7.48	41	56386	41.242	ug/l	96
42) 1,2-Dichloroethane	8.40	62	150496	47.987	ug/l	98
43) Isopropyl Acetate	8.42	43	178541	46.028	ug/l	98
44) Trichloroethene	9.09	130	121085	52.714	ug/l	94
45) 1,2-Dichloropropane	9.37	63	123233	49.861	ug/l	93
46) Dibromomethane	9.46	93	58007	49.563	ug/l	95
47) Bromodichloromethane	9.64	83	165977	51.547	ug/l	98
48) Methyl methacrylate	9.43	41	84772	45.731	ug/l	99
49) 1,4-Dioxane	9.46	88	17544	758.887	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	455006	223.545	ug/l	98
52) Toluene	10.38	92	295183	53.073	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	170925	51.624	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	196423	52.295	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90514	51.658	ug/l	97
56) Ethyl methacrylate	10.65	69	129417	50.458	ug/l	95
57) 1,3-Dichloropropane	10.93	76	161597	49.853	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	321887	236.399	ug/l	97
59) 2-Hexanone	10.97	43	332892	223.863	ug/l	98
60) Dibromochloromethane	11.13	129	109314	53.047	ug/l	100
61) 1,2-Dibromoethane	11.23	107	82991	51.663	ug/l	99
64) Tetrachloroethene	10.86	164	100976	53.816	ug/l	99
65) Chlorobenzene	11.66	112	313040	53.562	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	119053	54.700	ug/l	99
67) Ethyl Benzene	11.73	91	590415	53.843	ug/l	100
68) m/p-Xylenes	11.84	106	428475	108.253	ug/l	99
69) o-Xylene	12.16	106	205079	54.920	ug/l	97
70) Styrene	12.18	104	368079	55.782	ug/l	97
71) Bromoform	12.35	173	64027	52.948	ug/l #	100
73) Isopropylbenzene	12.46	105	595057	53.526	ug/l	100
74) N-amyl acetate	12.27	43	163550	46.347	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	106054	47.501	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	141283	89.139	ug/l #	100
77) Bromobenzene	12.74	156	134624	53.450	ug/l	94
78) n-propylbenzene	12.80	91	689332	51.844	ug/l	99
79) 2-Chlorotoluene	12.89	91	395928	51.871	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	497881	53.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36494	48.699	ug/l	98
82) 4-Chlorotoluene	12.99	91	418766	51.867	ug/l	98
83) tert-Butylbenzene	13.21	119	444213	53.629	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	498224	52.782	ug/l	100
85) sec-Butylbenzene	13.38	105	605331	52.665	ug/l	99
86) p-Isopropyltoluene	13.50	119	557349	53.087	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	264345	53.396	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	260179	52.815	ug/l	99
89) n-Butylbenzene	13.82	91	530592	52.057	ug/l	100
90) Hexachloroethane	14.09	117	98849	53.933	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	235678	52.891	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18760	45.914	ug/l	98

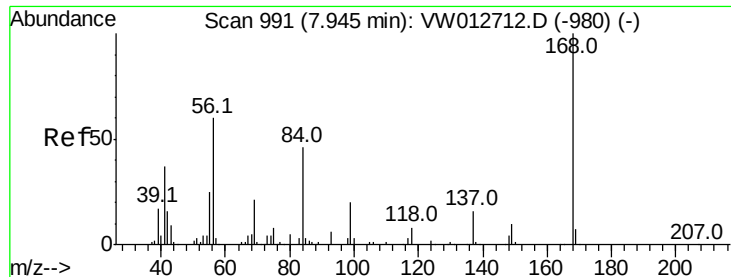
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091019\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	178543	57.552	ug/l	96
94) Hexachlorobutadiene	15.24	225	114026	53.102	ug/l	99
95) Naphthalene	15.36	128	316135	48.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	154636	56.469	ug/l	100

(#) = 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: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

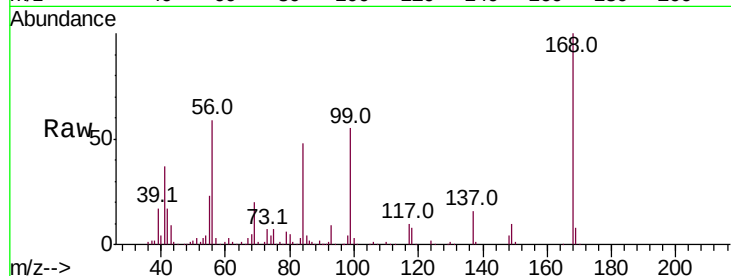
VSTDCCC050

Tot Ion:168 Resp: 245297

Ion Ratio Lower Upper

168 100

99 55.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

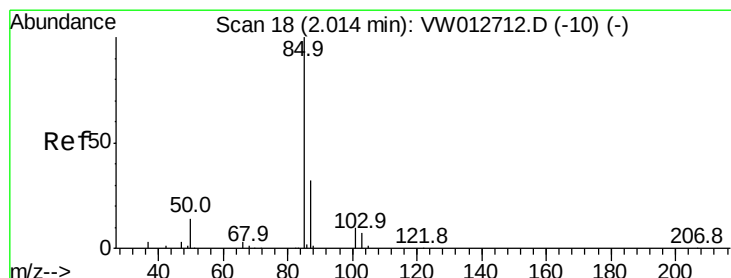
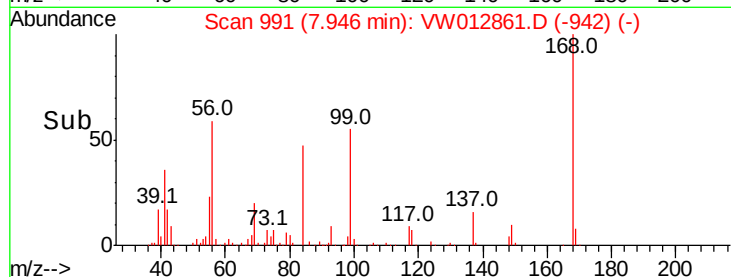
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 45.884 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012861.D

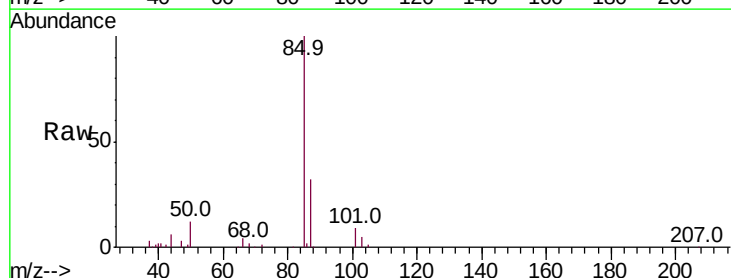
Acq: 10 Sep 2019 10:52

Tgt Ion: 85 Resp: 61017

Ion Ratio Lower Upper

85 100

87 31.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

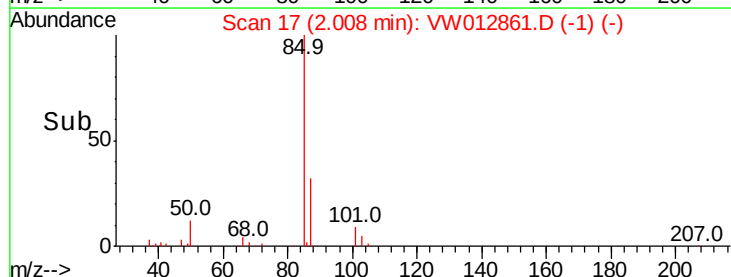
15000

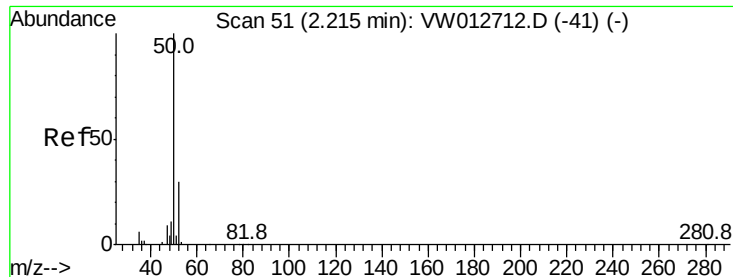
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 45.157 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

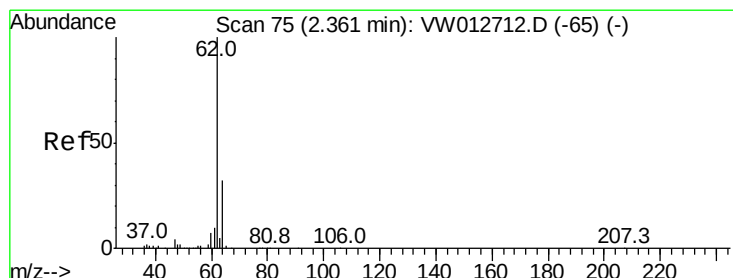
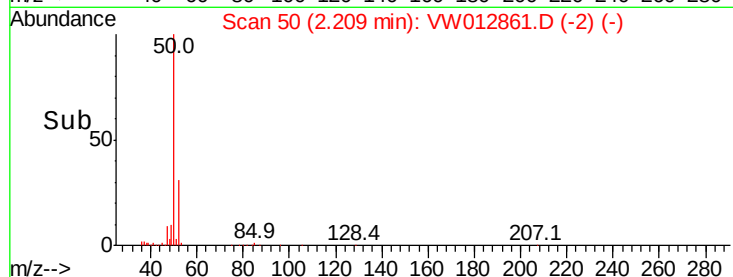
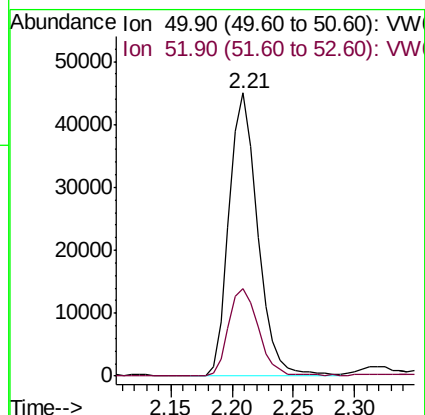
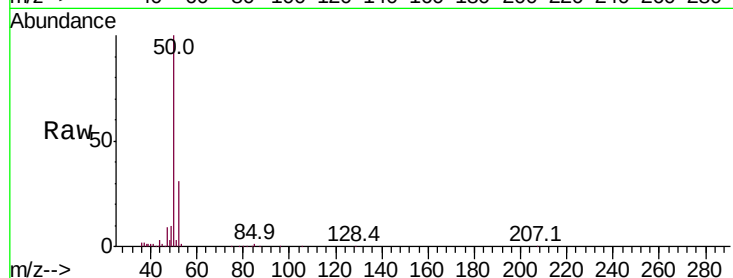
VSTDCCC050

Tot Ion: 50 Resp: 72980

Ion Ratio Lower Upper

50 100

52 30.8 24.2 36.2



#4

Vinyl Chloride

Concen: 48.686 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012861.D

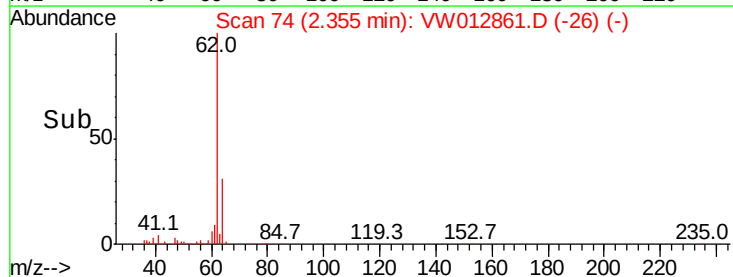
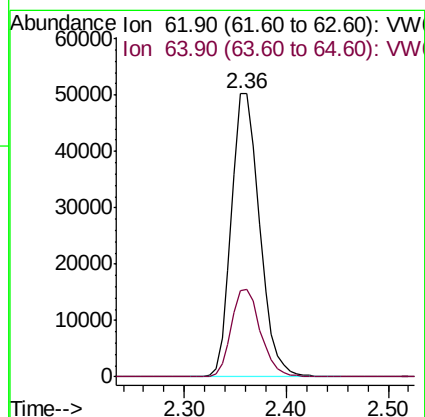
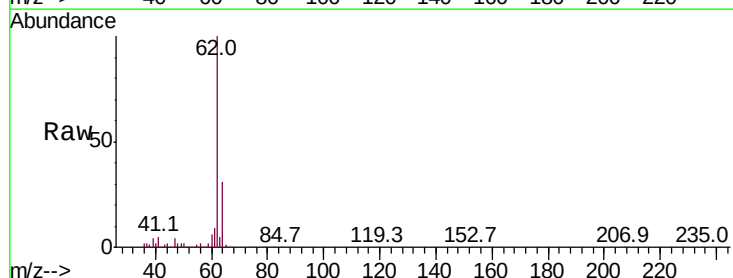
Acq: 10 Sep 2019 10:52

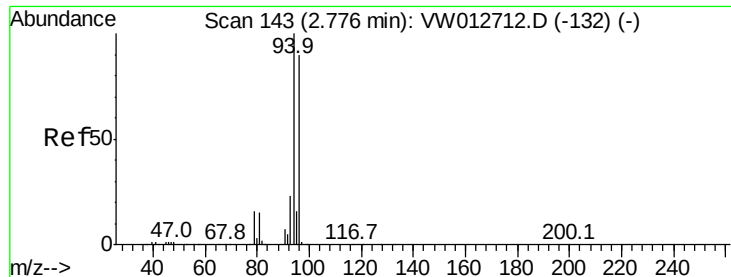
Tgt Ion: 62 Resp: 96474

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 54.040 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

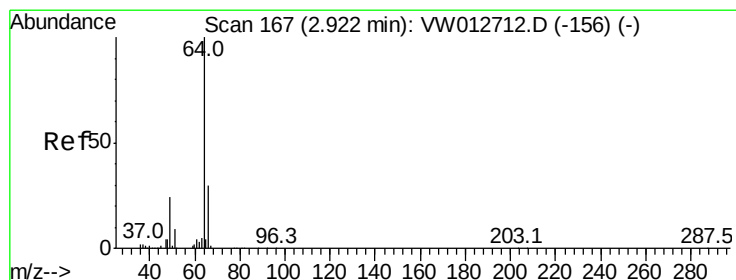
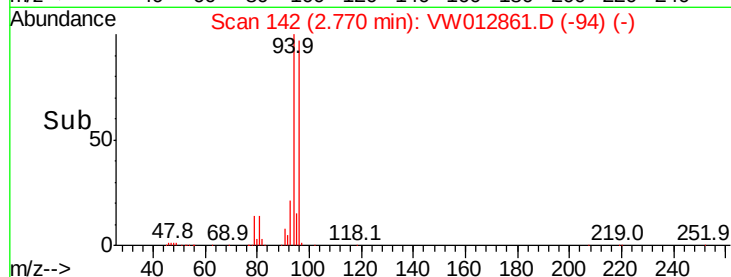
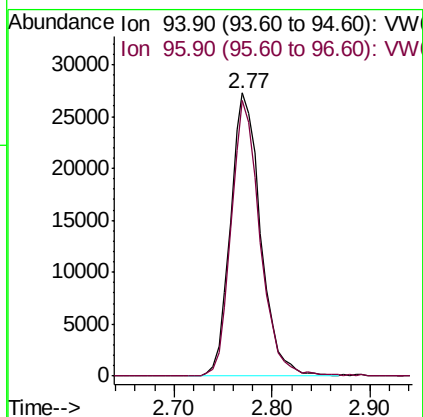
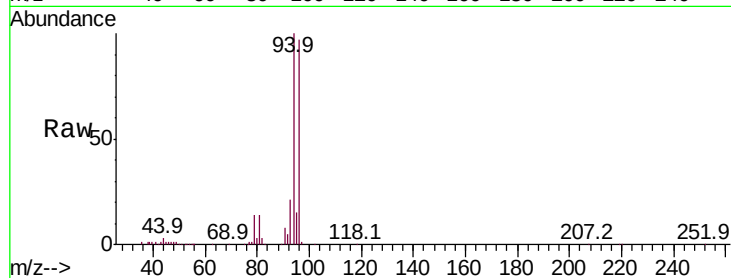
VSTDCCC050

Tot Ion: 94 Resp: 58149

Ion Ratio Lower Upper

94 100

96 97.2 72.1 108.1



#6

Chloroethane

Concen: 52.689 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012861.D

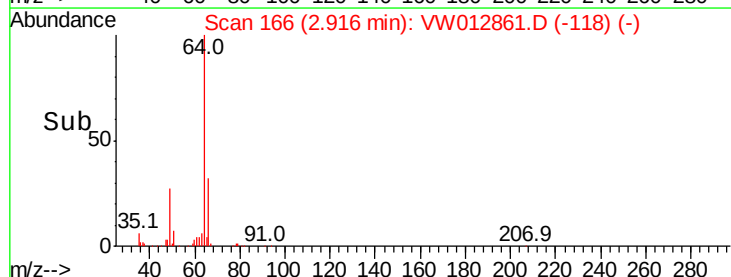
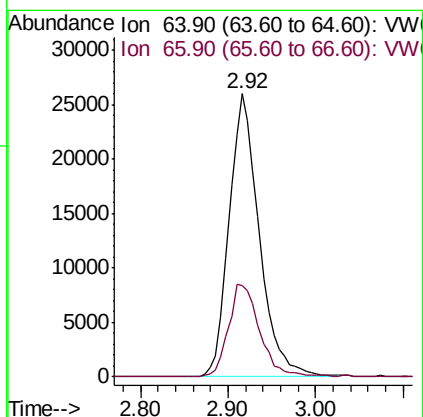
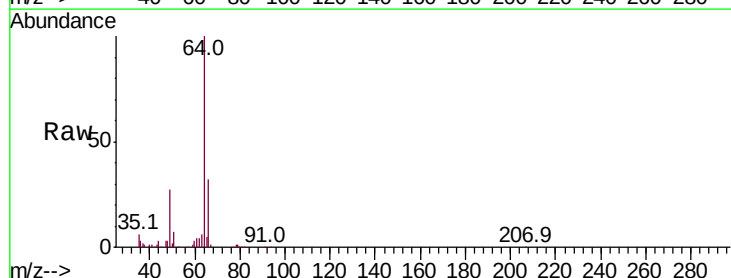
Acq: 10 Sep 2019 10:52

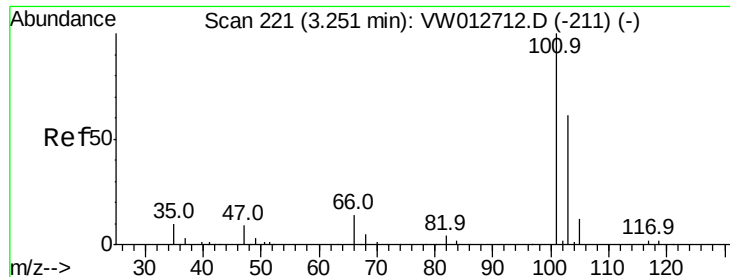
Tgt Ion: 64 Resp: 62304

Ion Ratio Lower Upper

64 100

66 32.2 23.8 35.6



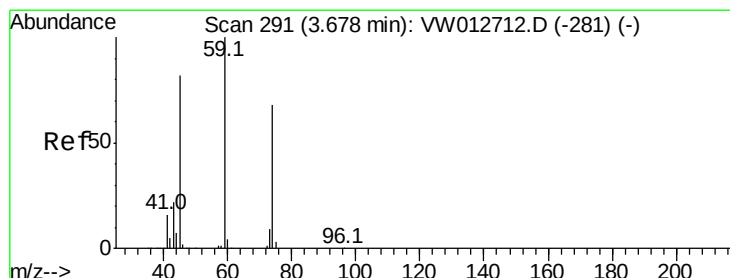
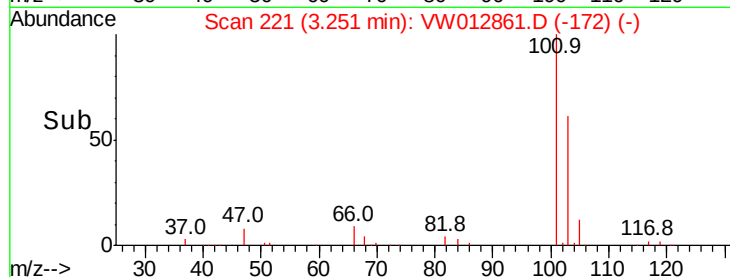
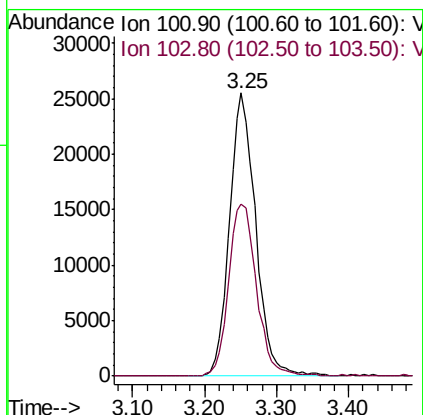
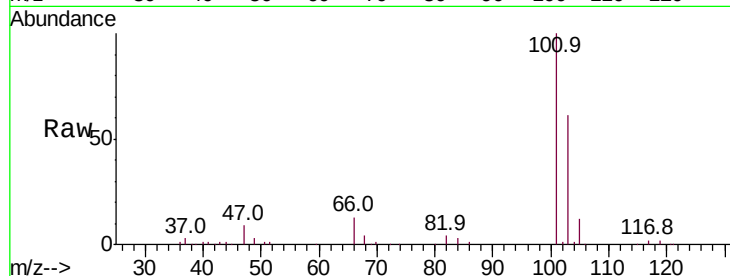


#7

Trichlorofluoromethane
 Concen: 47.219 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

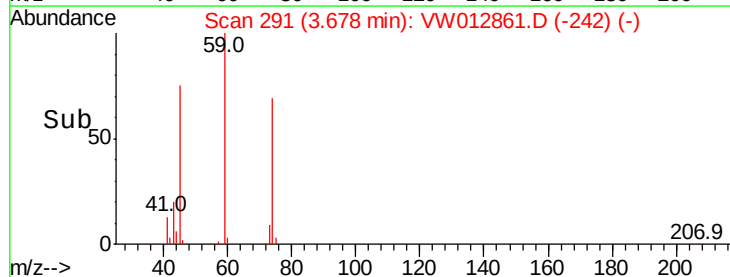
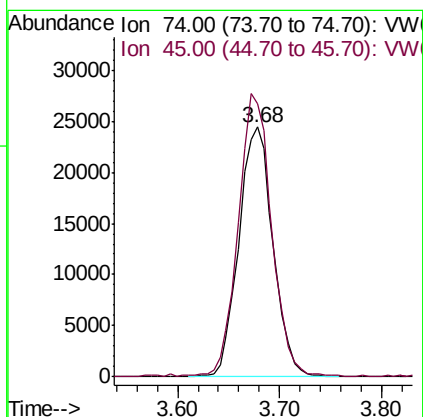
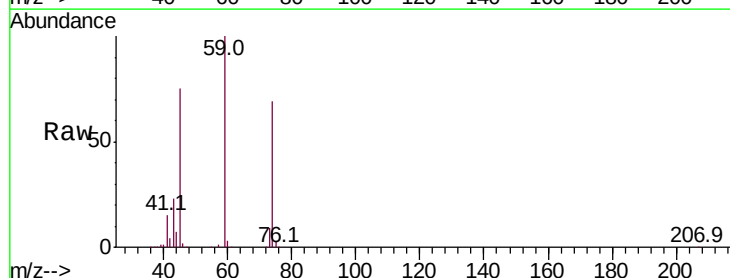
Tot Ion:101 Resp: 64569
 Ion Ratio Lower Upper
 101 100
 103 60.7 49.0 73.4

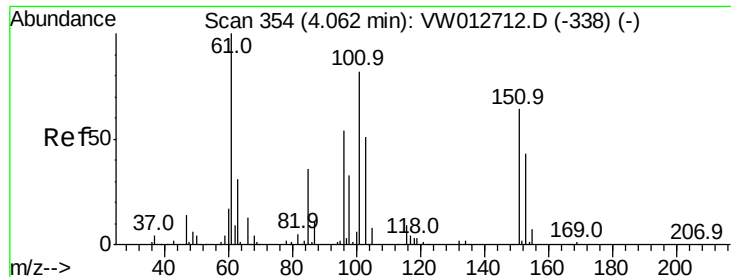


#8

Diethyl Ether
 Concen: 49.373 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion: 74 Resp: 56744
 Ion Ratio Lower Upper
 74 100
 45 111.5 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.466 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

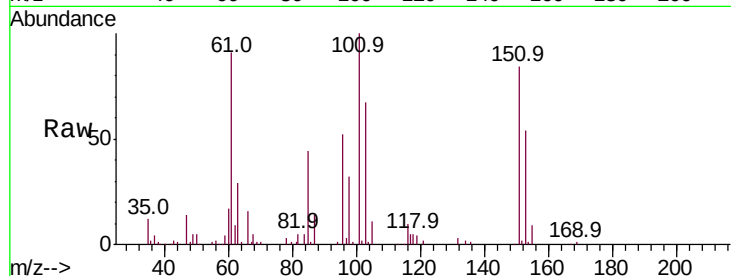
Tot Ion:101 Resp: 104003

Ion Ratio Lower Upper

101 100

85 45.2 36.2 54.2

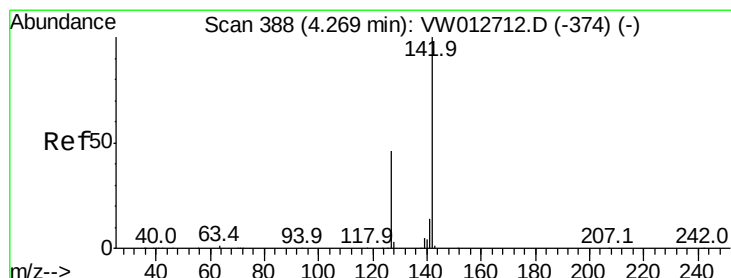
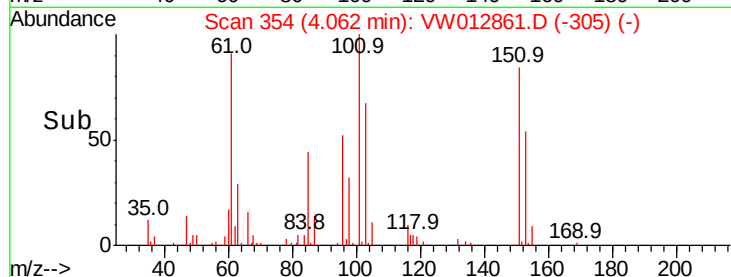
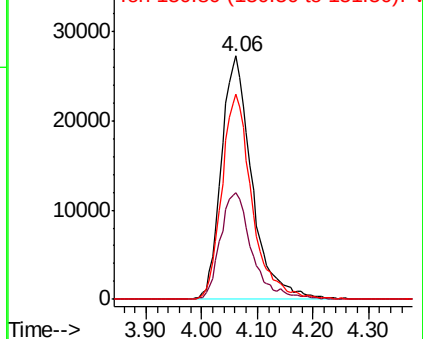
151 83.2 61.9 92.9



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: 50.508 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

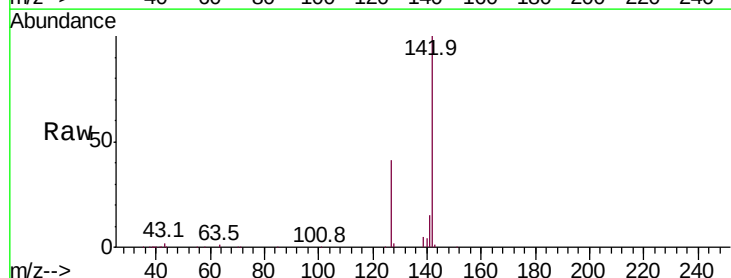
Tgt Ion:142 Resp: 136444

Ion Ratio Lower Upper

142 100

127 42.1 36.0 54.0

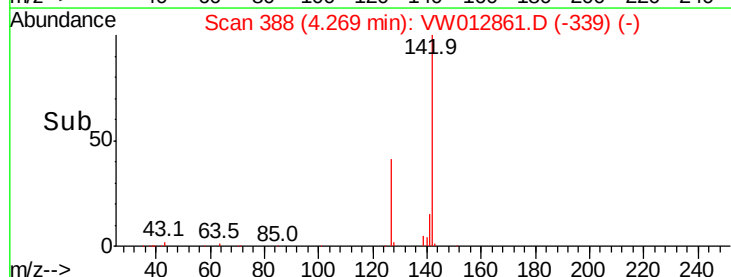
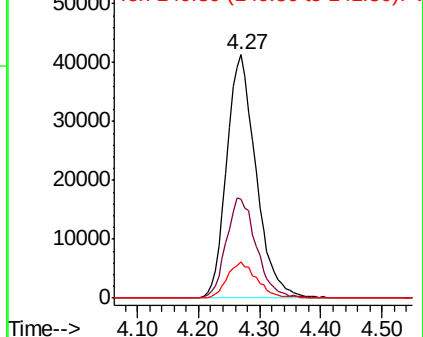
141 15.0 12.2 18.4

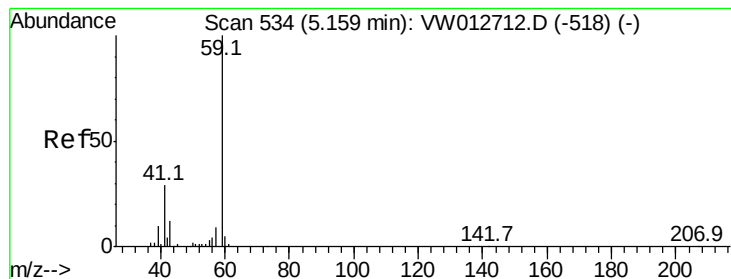


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



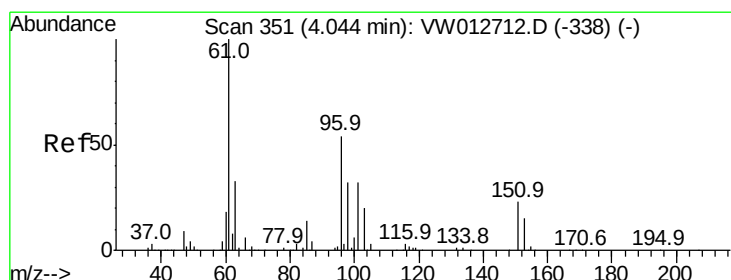
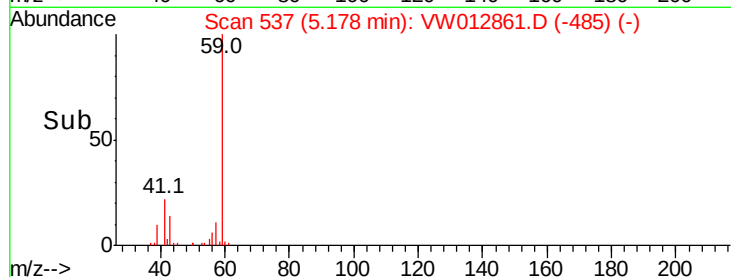
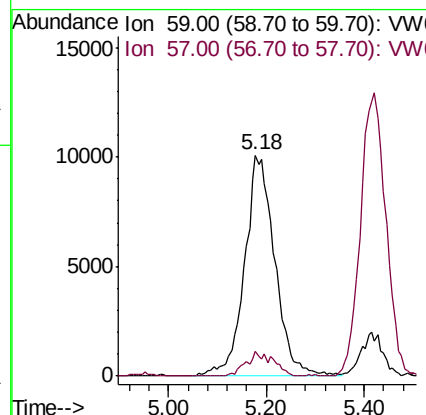
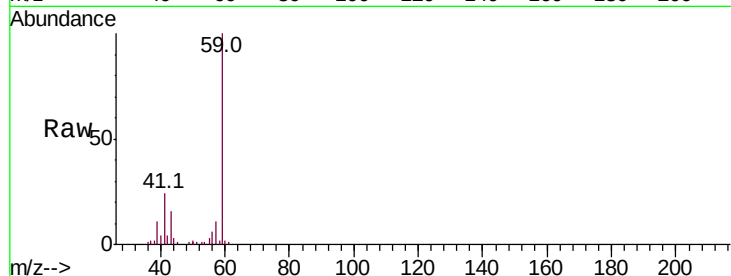


#11

Tert butyl alcohol
 Concen: 206.687 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

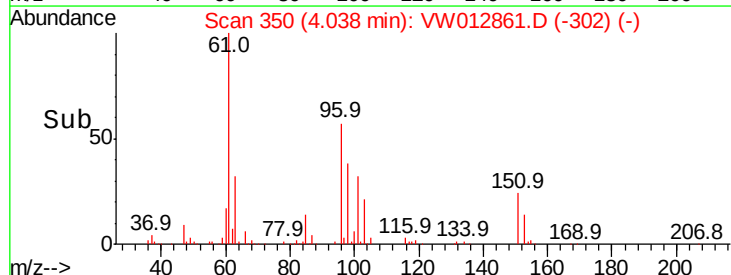
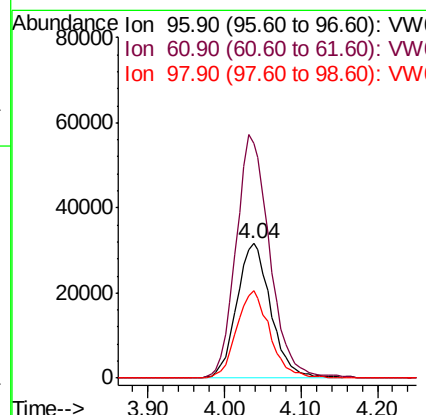
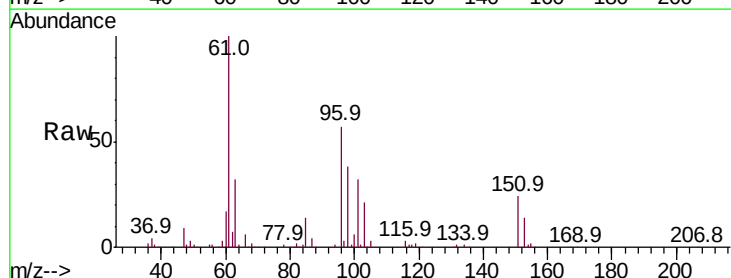
Tot Ion: 59 Resp: 43342
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

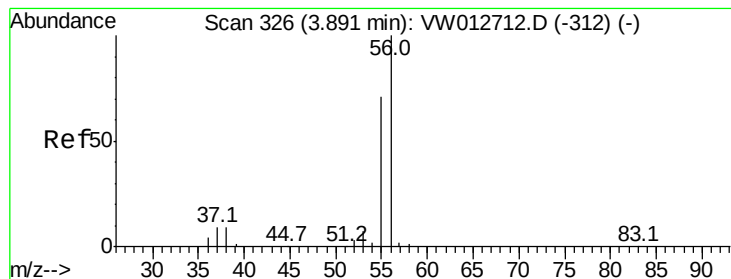


#12

1,1-Dichloroethene
 Concen: 48.234 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion: 96 Resp: 97709
 Ion Ratio Lower Upper
 96 100
 61 174.7 147.8 221.6
 98 65.6 47.9 71.9





#13

Acrolein

Concen: 227.314 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

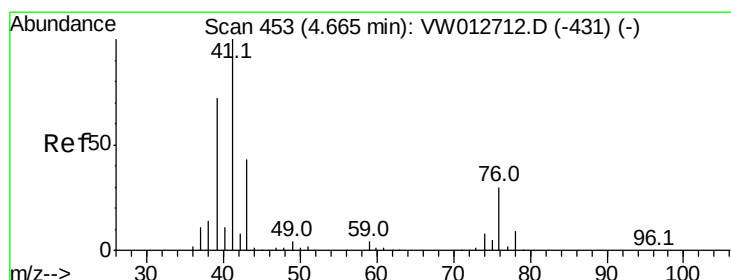
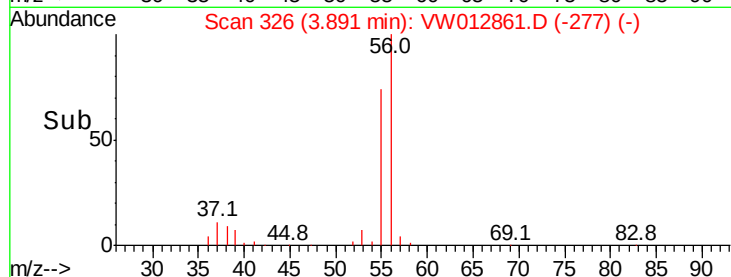
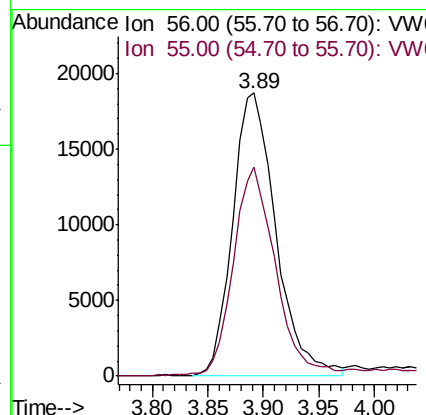
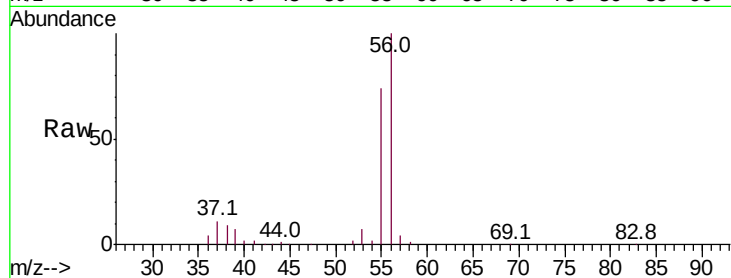
VSTDCCC050

Tot Ion: 56 Resp: 50584

Ion Ratio Lower Upper

56 100

55 70.3 56.9 85.3



#14

Allyl chloride

Concen: 46.623 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

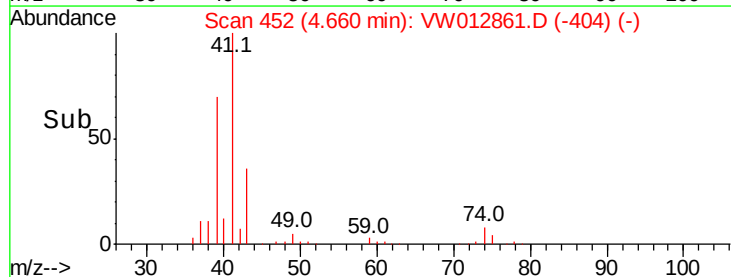
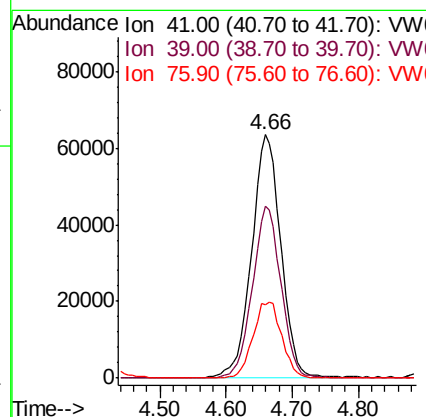
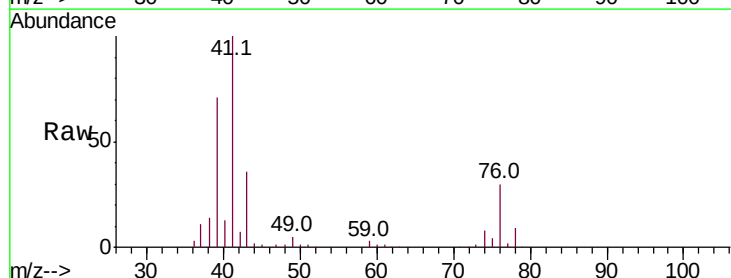
Tgt Ion: 41 Resp: 195373

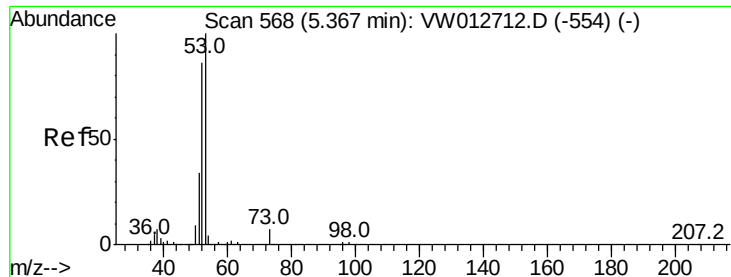
Ion Ratio Lower Upper

41 100

39 69.1 55.0 82.6

76 30.8 23.0 34.4





#15

Acrylonitrile

Concen: 216.212 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

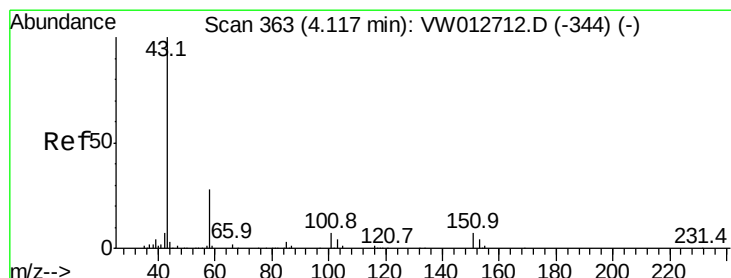
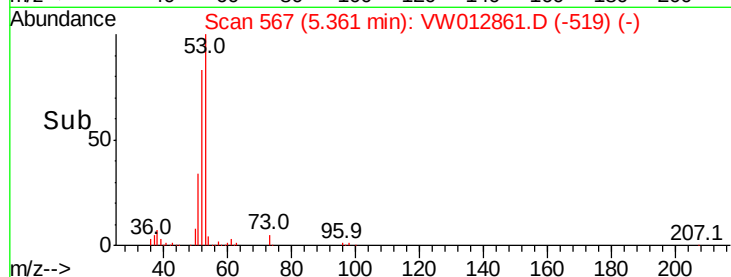
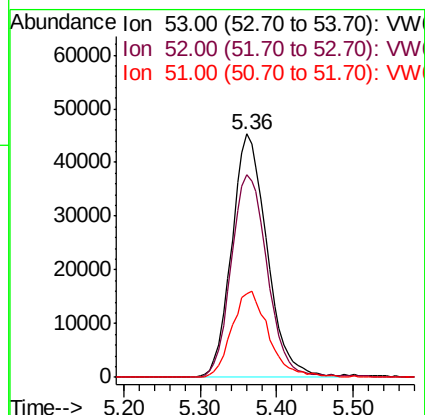
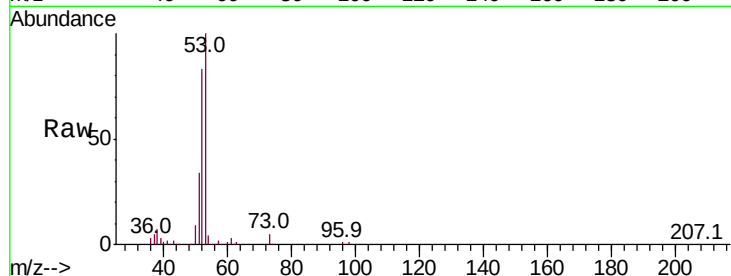
Tot Ion: 53 Resp: 145137

Ion Ratio Lower Upper

53 100

52 84.7 67.0 100.4

51 36.9 29.8 44.8



#16

Acetone

Concen: 222.347 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012861.D

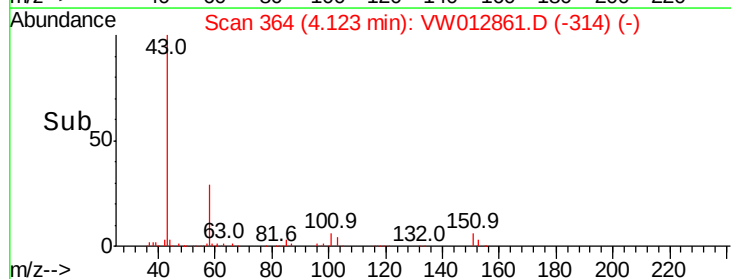
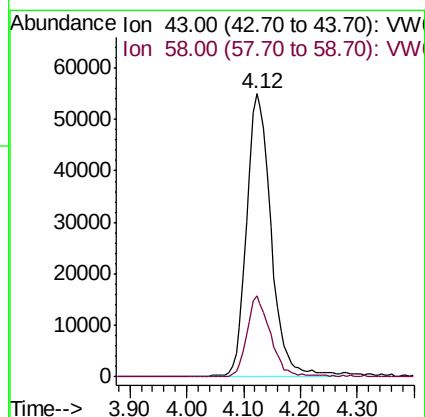
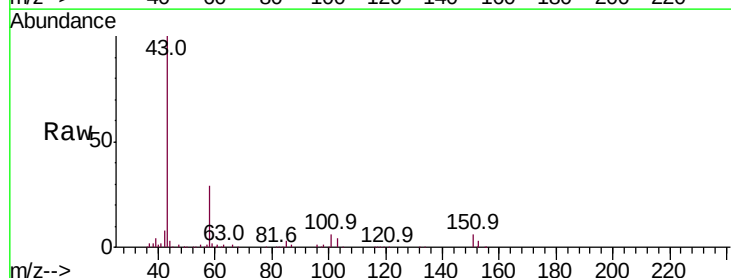
Acq: 10 Sep 2019 10:52

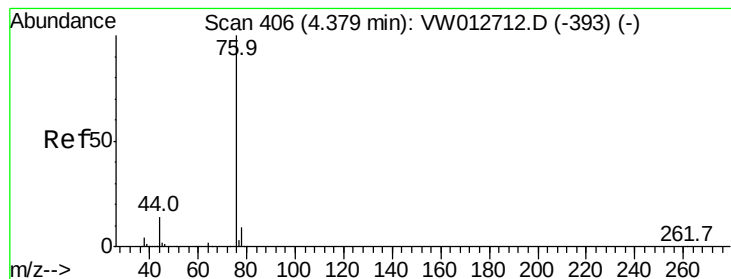
Tgt Ion: 43 Resp: 166136

Ion Ratio Lower Upper

43 100

58 28.6 22.6 33.8





#17

Carbon Disulfide

Concen: 45.448 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

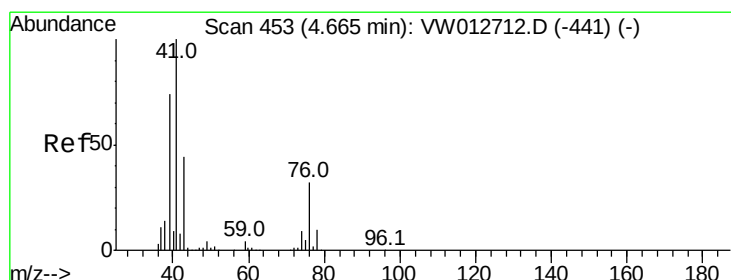
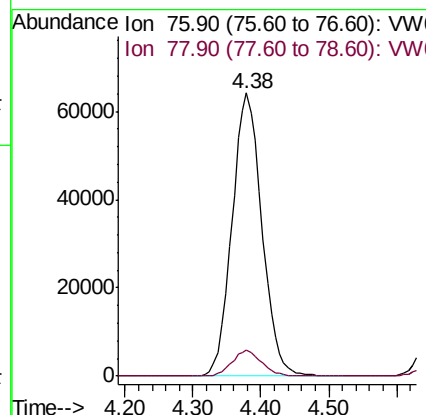
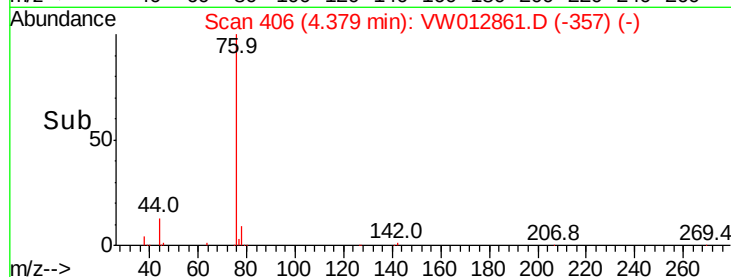
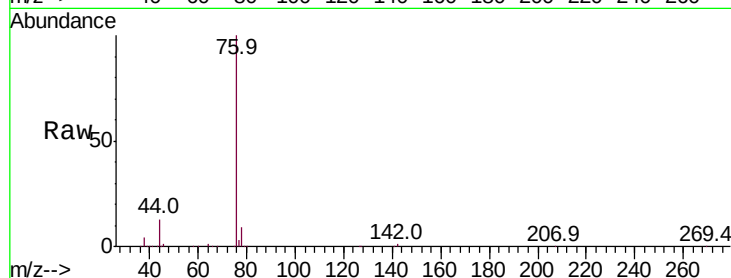
VSTDCCC050

Tot Ion: 76 Resp: 195421

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



#18

Methyl Acetate

Concen: 41.063 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012861.D

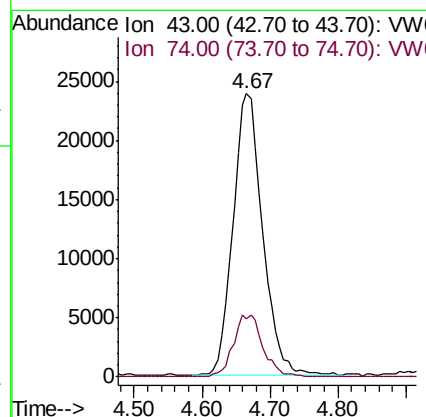
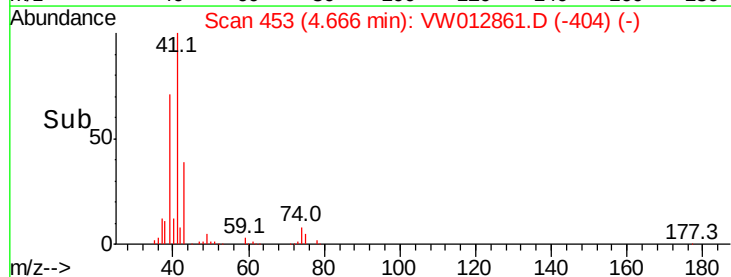
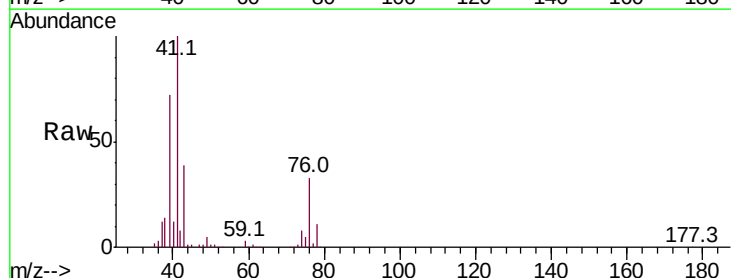
Acq: 10 Sep 2019 10:52

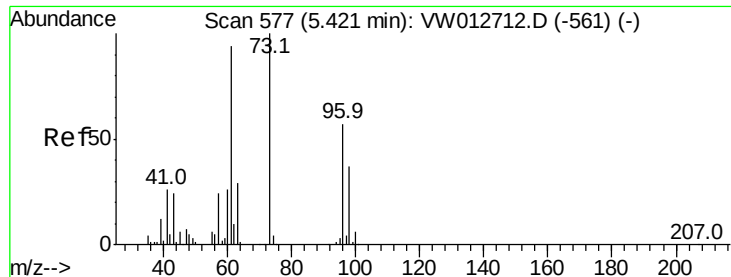
Tgt Ion: 43 Resp: 71985

Ion Ratio Lower Upper

43 100

74 22.0 15.8 23.6

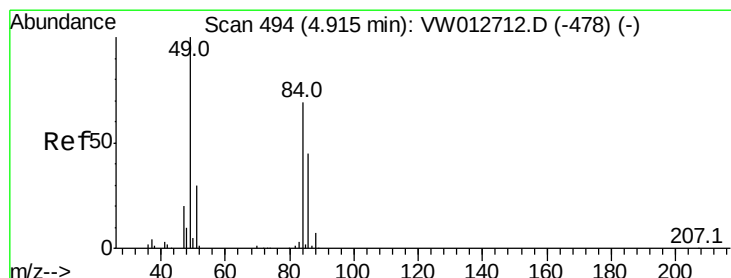
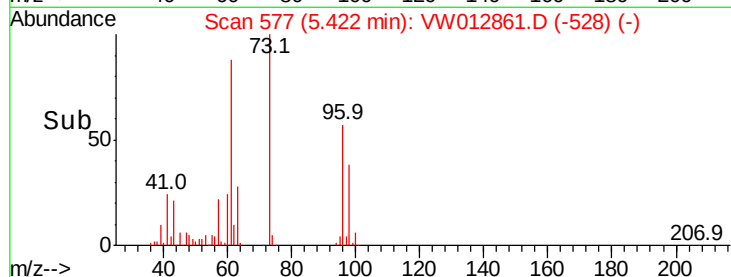
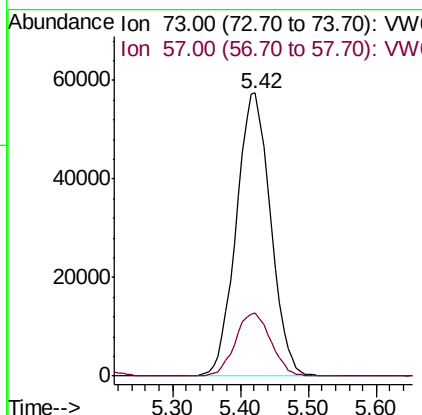
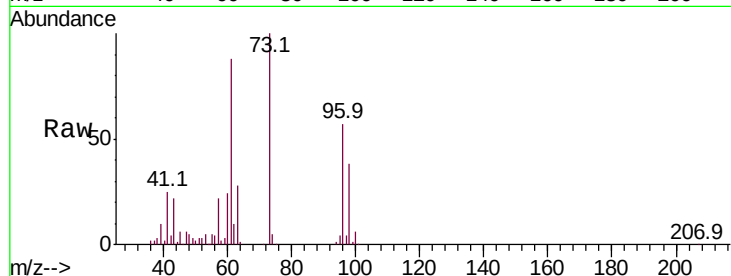




#19
Methyl tert-butyl Ether
Concen: 50.234 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

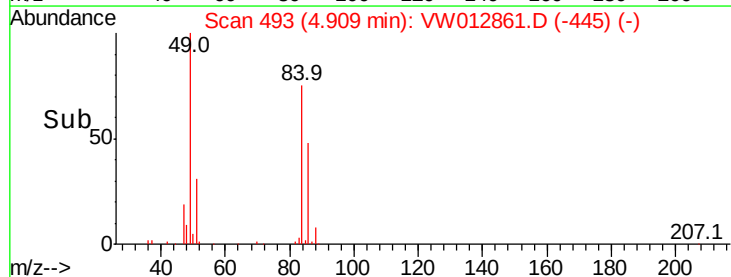
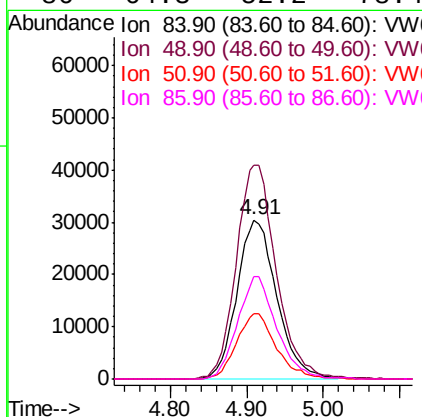
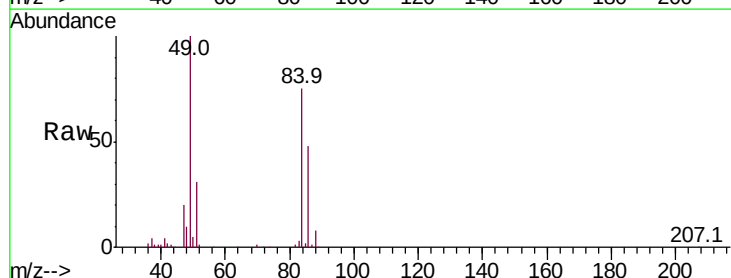
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

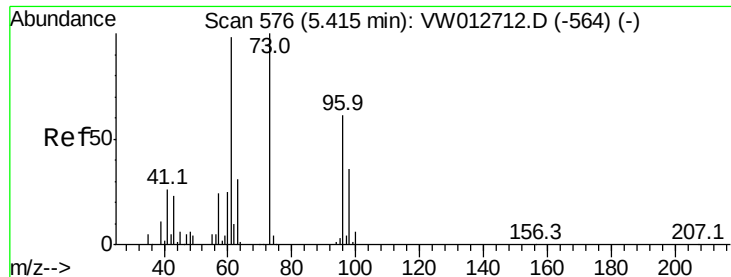
Tot Ion: 73 Resp: 201813
Ion Ratio Lower Upper
73 100
57 22.5 19.2 28.8



#20
Methylene Chloride
Concen: 46.938 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 84 Resp: 109723
Ion Ratio Lower Upper
84 100
49 134.2 115.4 173.0
51 41.3 34.9 52.3
86 64.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 50.212 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

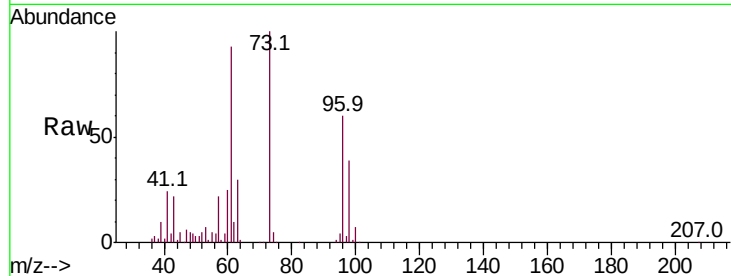
Tot Ion: 96 Resp: 103785

Ion Ratio Lower Upper

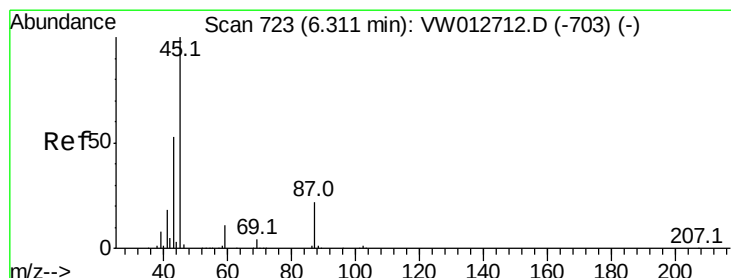
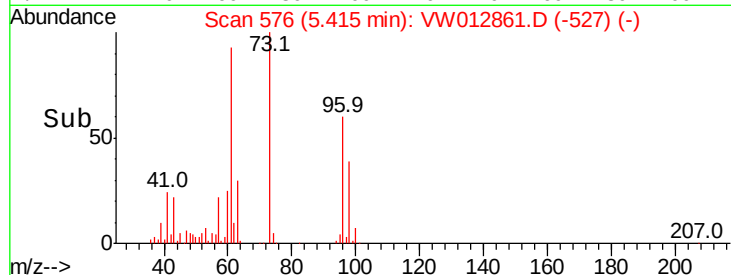
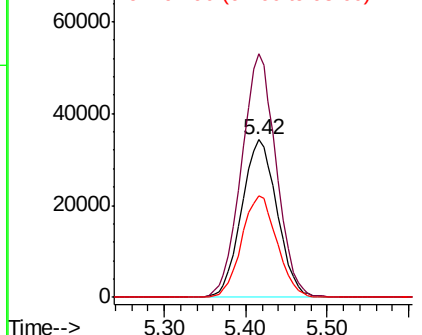
96 100

61 154.3 129.2 193.8

98 64.7 48.0 72.0



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



#22

Diisopropyl ether

Concen: 48.774 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion: 45 Resp: 405374

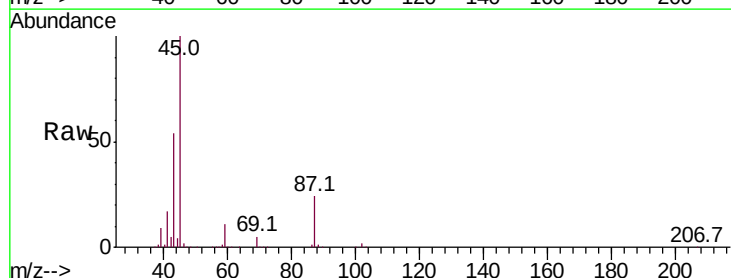
Ion Ratio Lower Upper

45 100

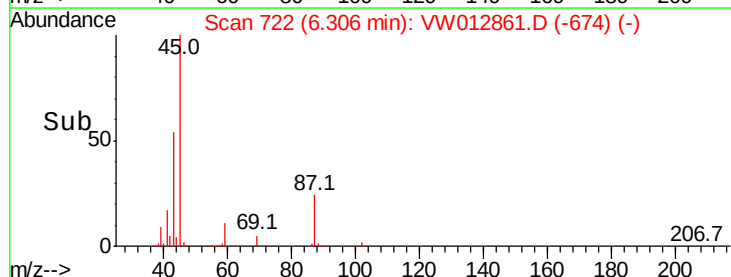
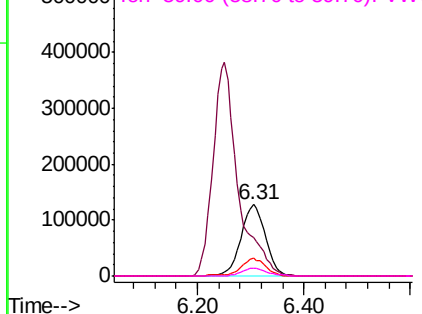
43 53.2 42.3 63.5

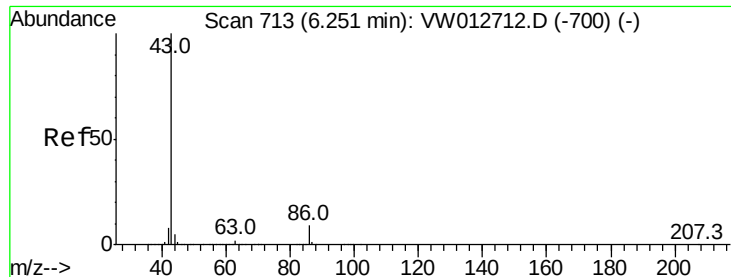
87 24.3 18.2 27.2

59 10.7 8.5 12.7



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: 237.177 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

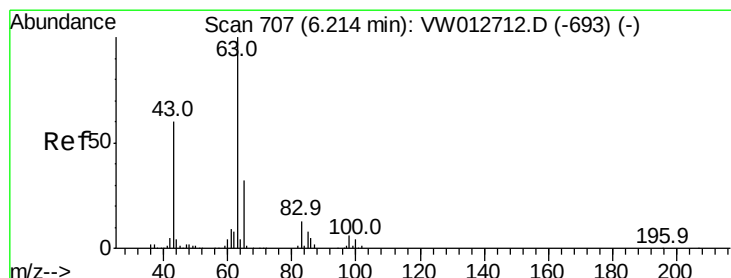
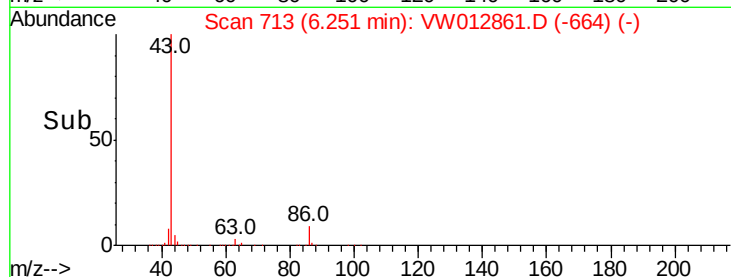
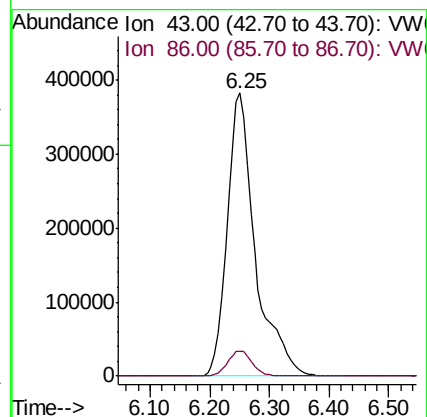
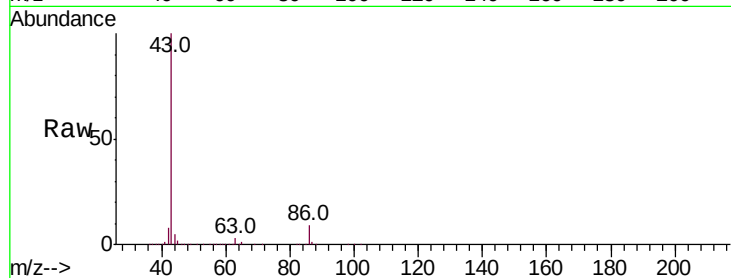
VSTDCCC050

Tot Ion: 43 Resp: 1249265

Ion Ratio Lower Upper

43 100

86 9.0 7.0 10.6



#24

1,1-Dichloroethane

Concen: 49.328 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

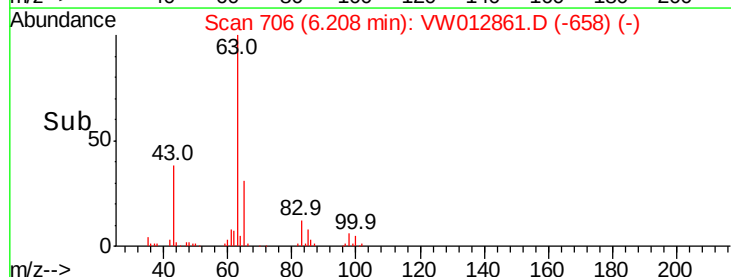
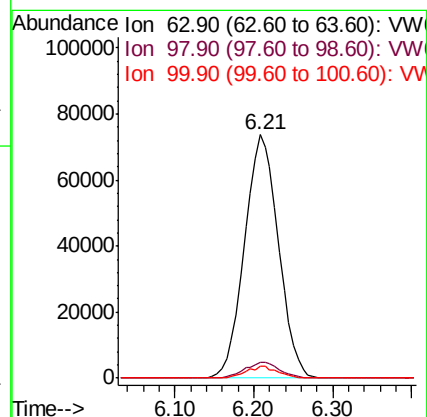
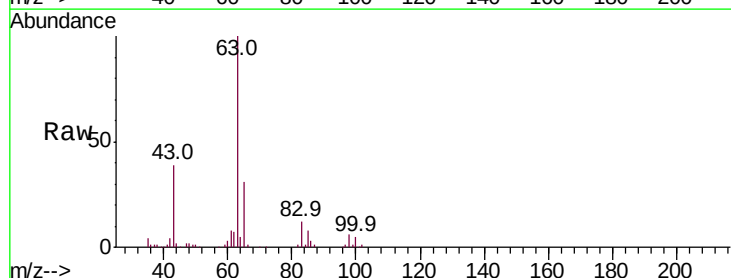
Tgt Ion: 63 Resp: 220749

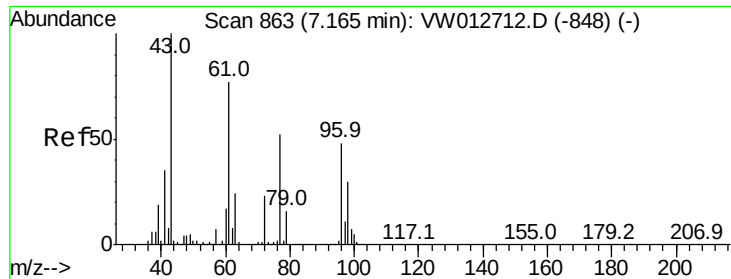
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.3

100 4.8 1.8 5.5

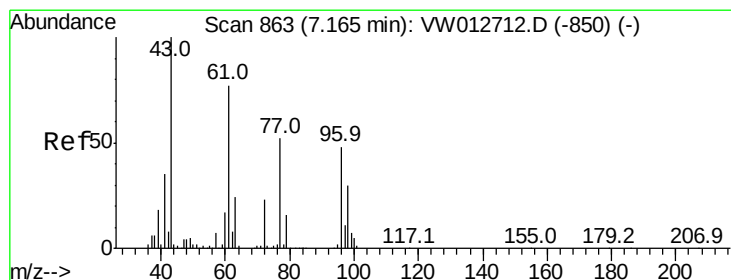
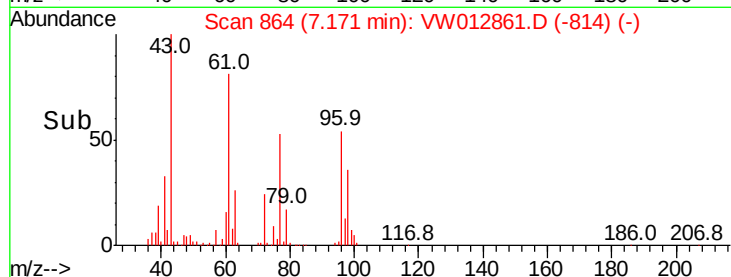
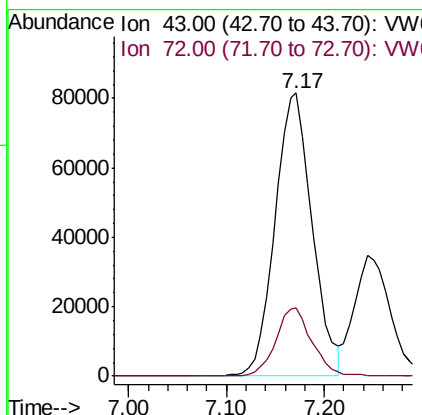
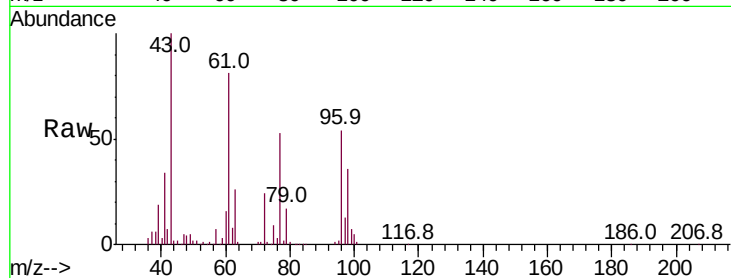




#25
 2-Butanone
 Concen: 200.403 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

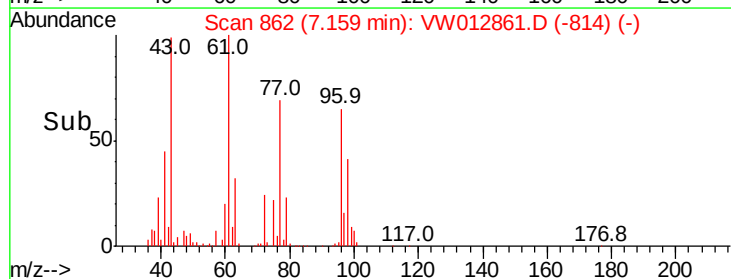
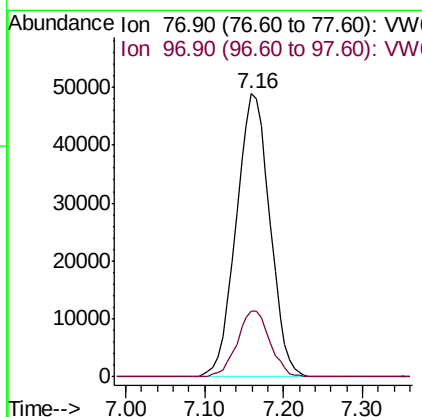
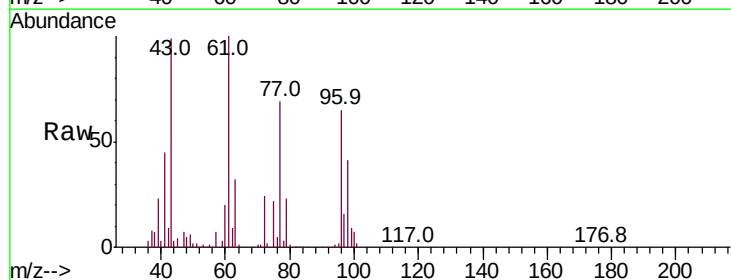
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

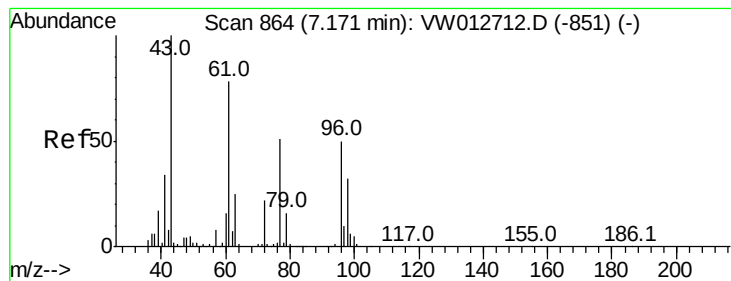
Tot Ion: 43 Resp: 215815
 Ion Ratio Lower Upper
 43 100
 72 24.0 18.0 27.0



#26
 2,2-Dichloropropane
 Concen: 51.274 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion: 77 Resp: 144925
 Ion Ratio Lower Upper
 77 100
 97 22.7 10.7 32.1



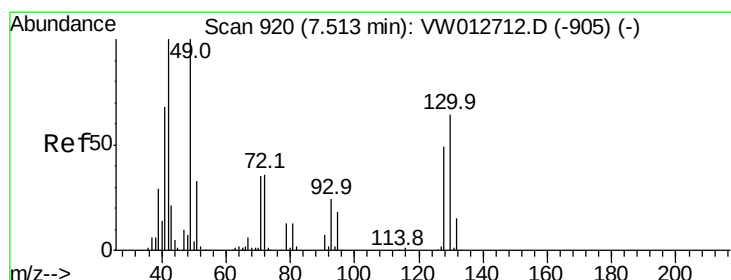
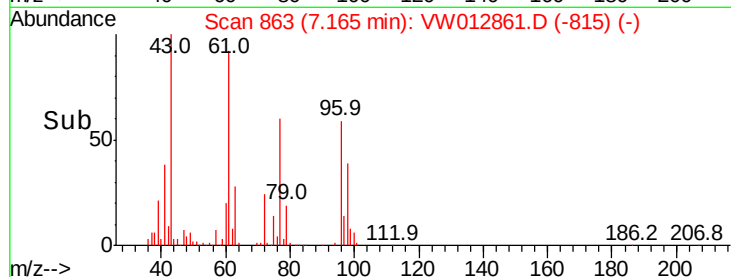
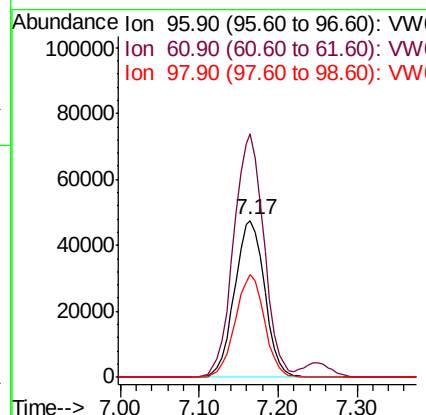
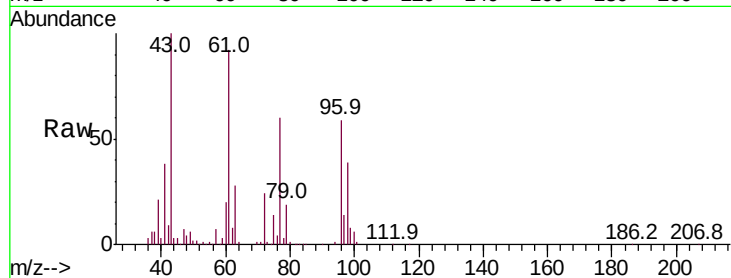


#27

cis-1,2-Dichloroethene
Concen: 52.633 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

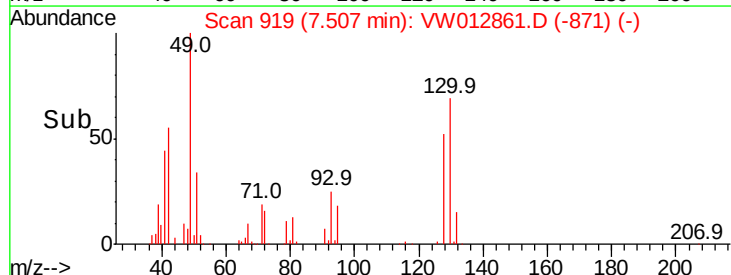
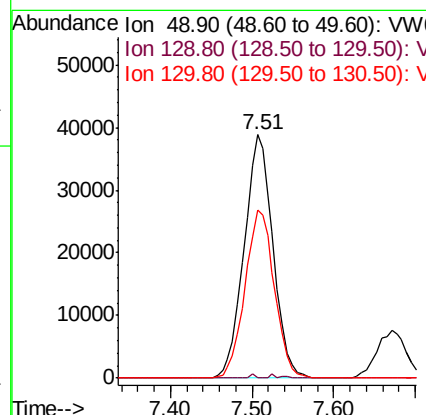
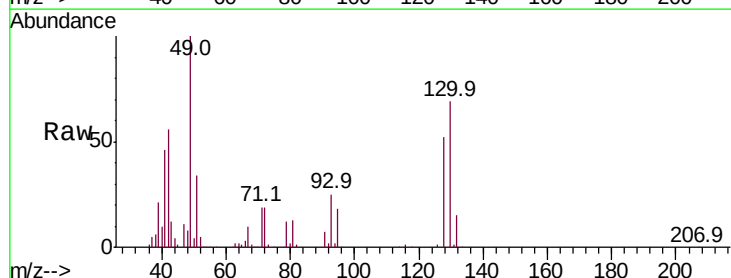
Tot Ion	96	Resp	126142
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	325.8
98	63.5	0.0	127.0

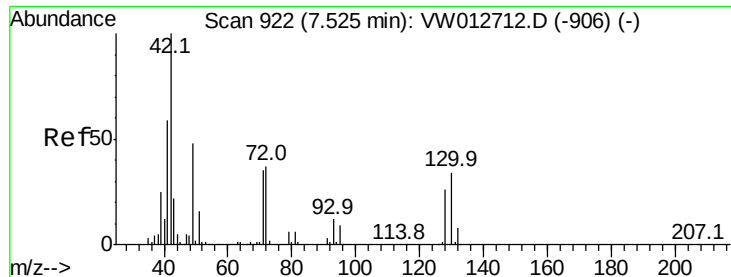


#28

Bromochloromethane
Concen: 46.260 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	49	Resp	95058
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	0.8
130	70.4	49.8	74.8

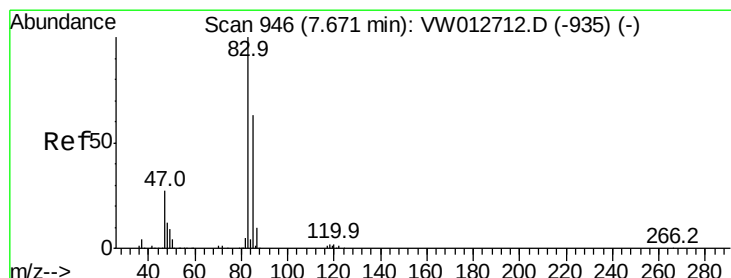
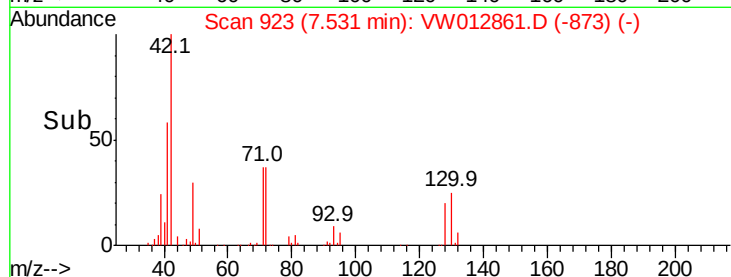
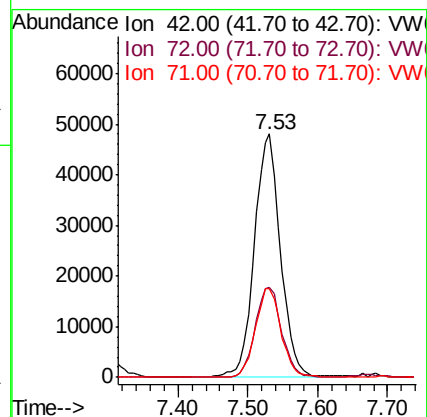
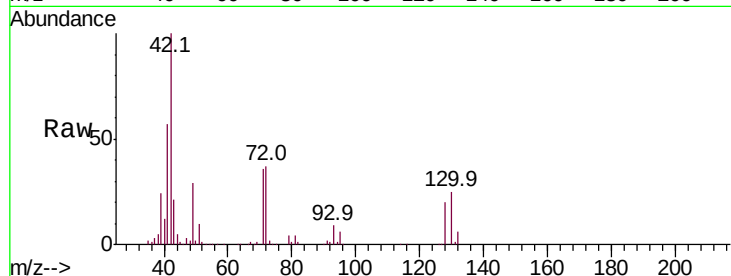




#29
Tetrahydrofuran
Concen: 205.280 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

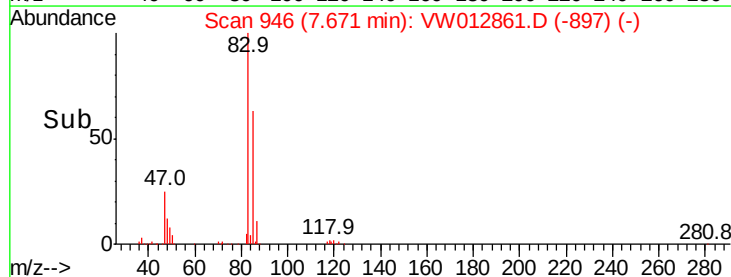
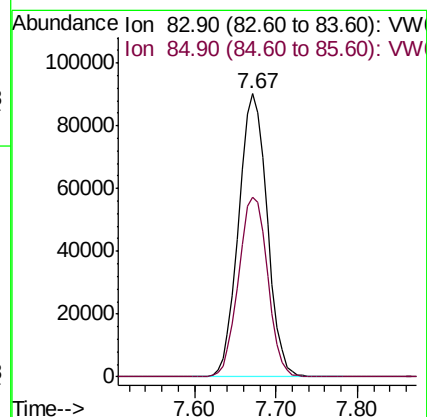
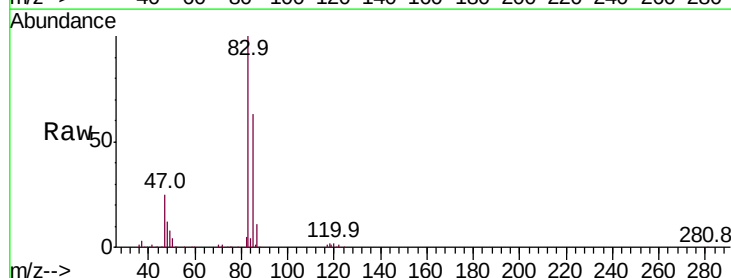
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

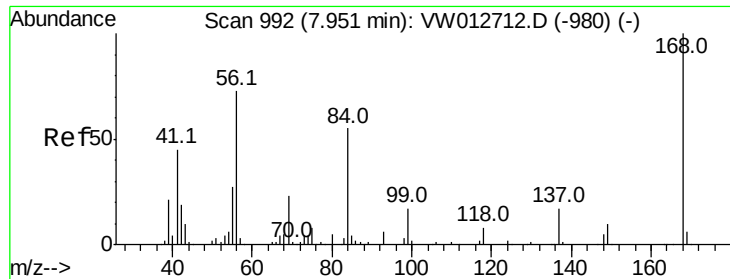
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	28.4	42.6
71	36.4	27.1	40.7



#30
Chloroform
Concen: 49.122 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0

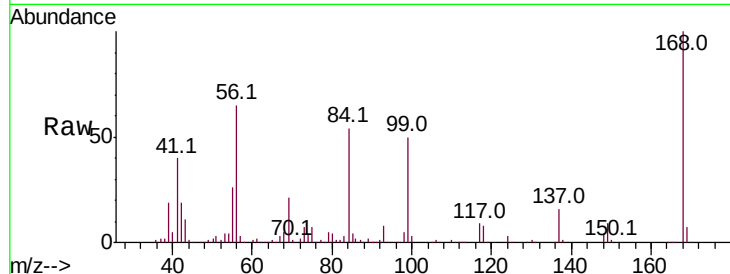




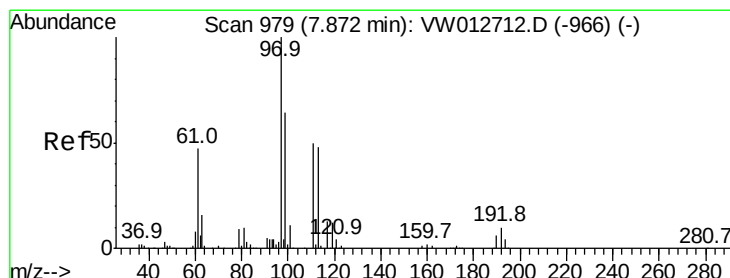
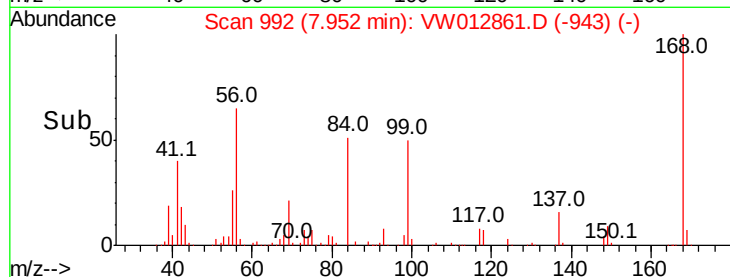
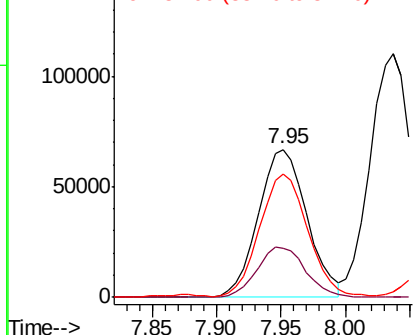
#31
Cyclohexane
Concen: 43.557 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 56 Resp: 175482
Ion Ratio Lower Upper
56 100
69 33.0 25.7 38.5
84 81.6 60.4 90.6

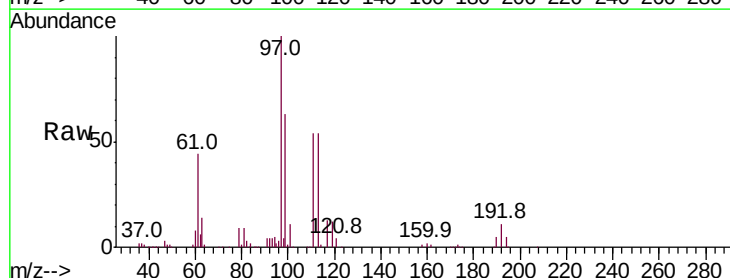


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

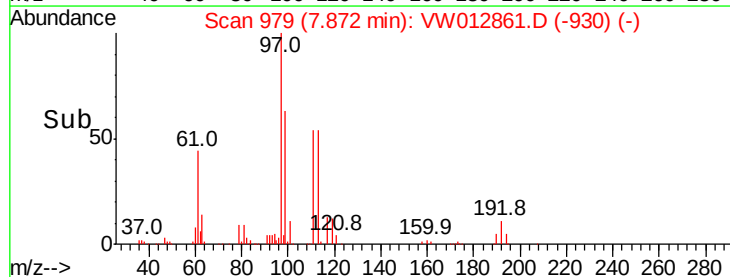
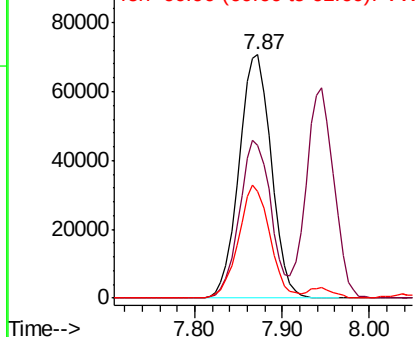


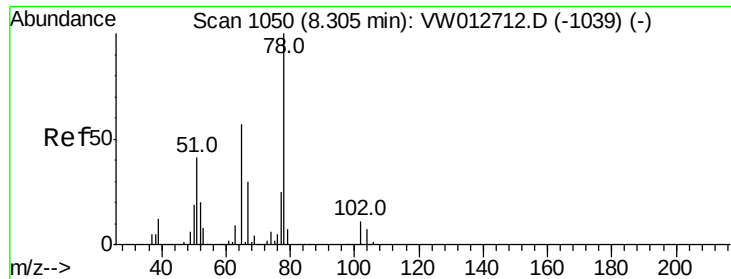
#32
1,1,1-Trichloroethane
Concen: 50.322 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 97 Resp: 180910
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 45.0 37.9 56.9



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

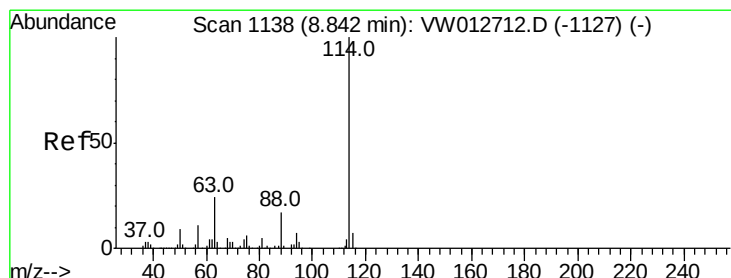
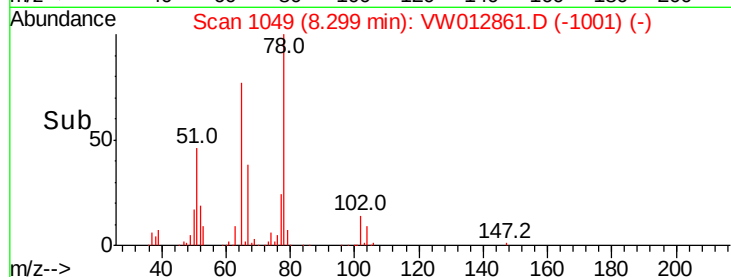
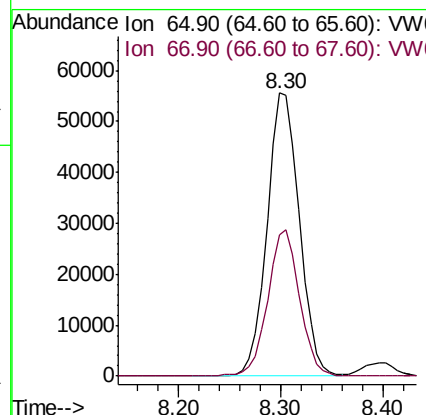
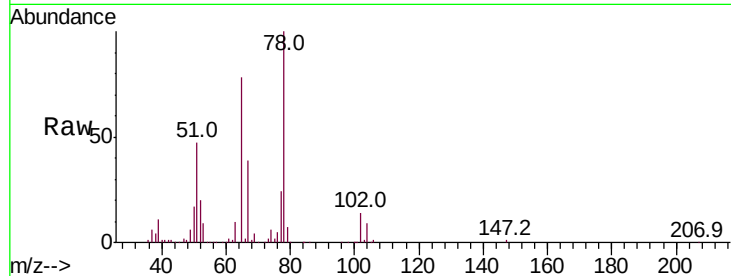




#33
 1,2-Dichloroethane-d4
 Concen: 44.474 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

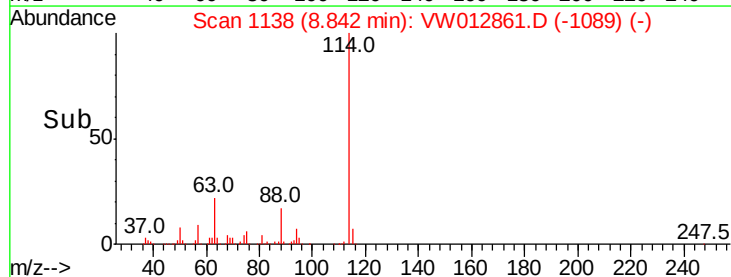
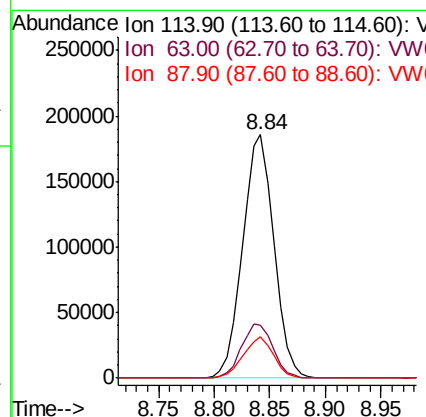
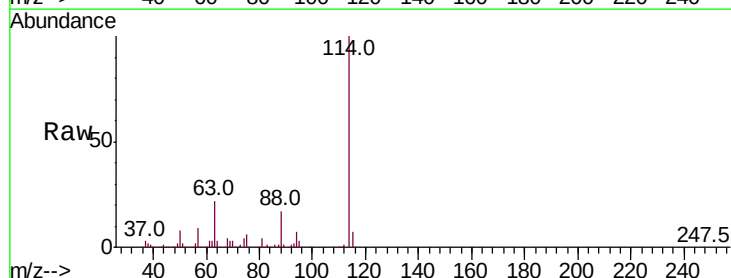
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

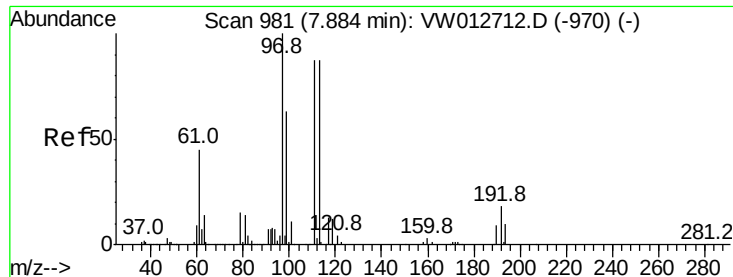
Tot Ion: 65 Resp: 121894
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion: 114 Resp: 361473
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 47.2
 88 16.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.825 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

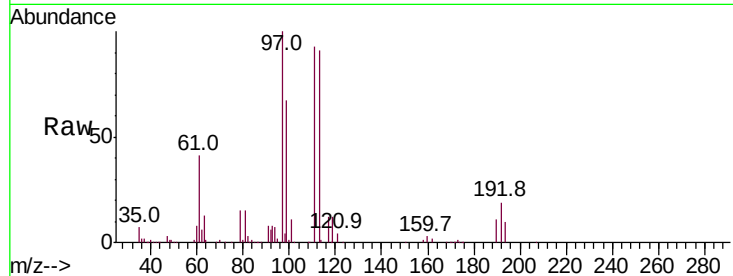
Tot Ion:113 Resp: 102779

Ion Ratio Lower Upper

113 100

111 102.8 80.2 120.4

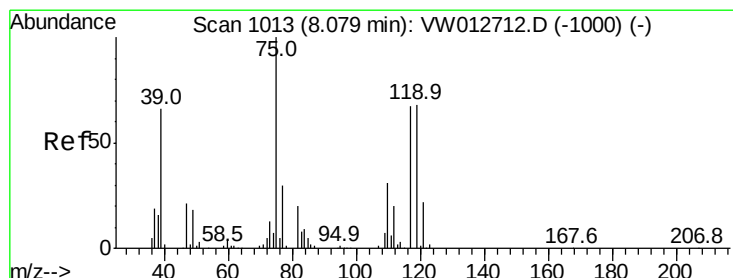
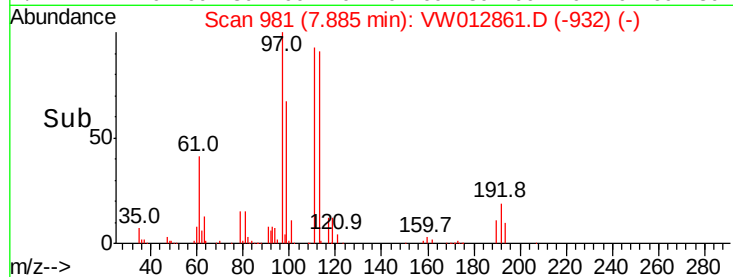
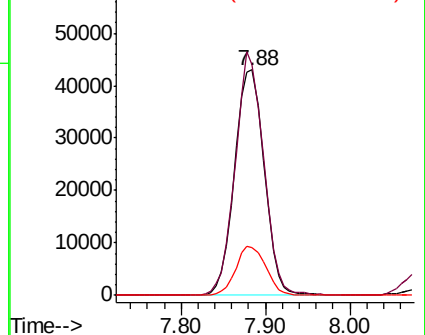
192 22.0 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.614 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

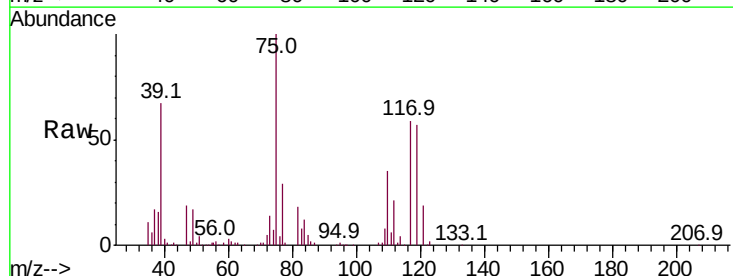
Tgt Ion: 75 Resp: 162561

Ion Ratio Lower Upper

75 100

110 33.4 15.9 47.7

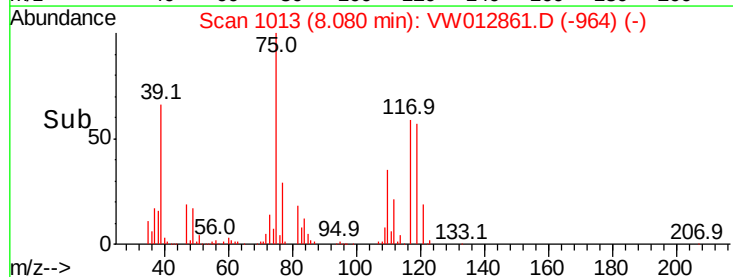
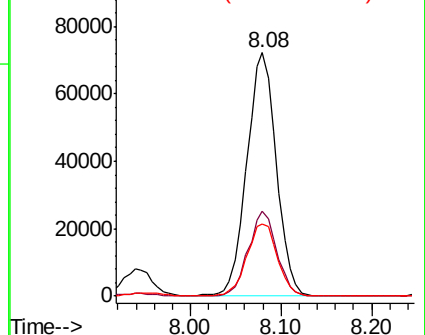
77 30.7 25.0 37.4

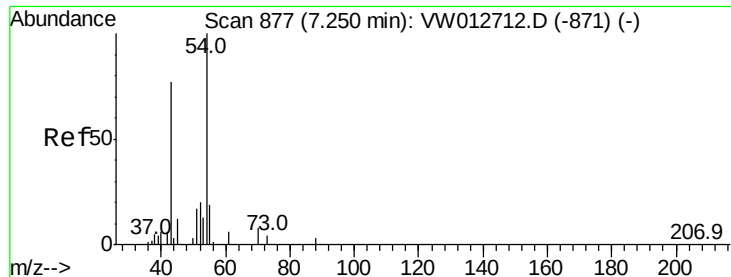


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

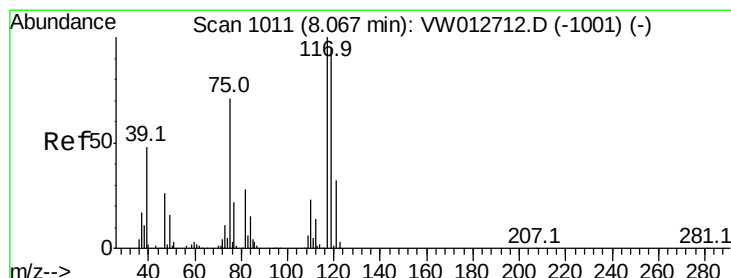
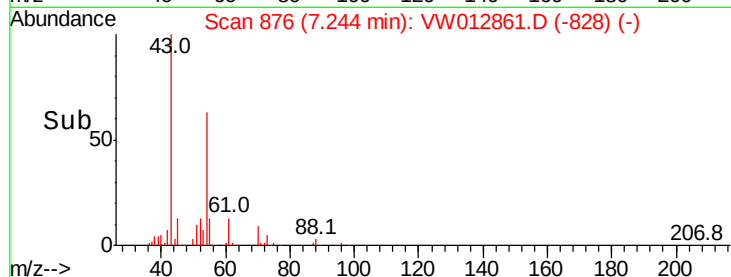
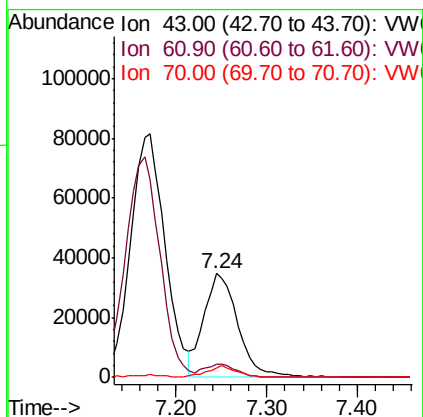
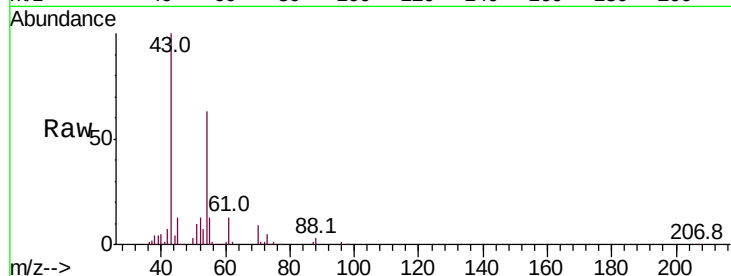




#37
Ethyl Acetate
Concen: 43.968 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

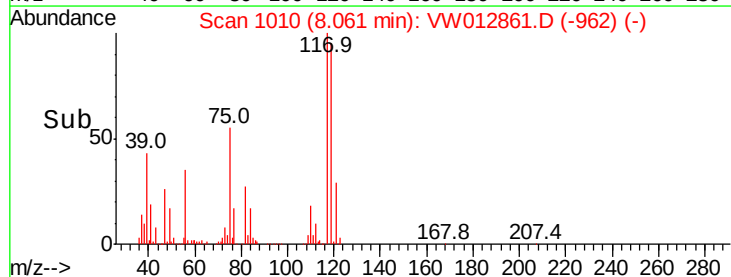
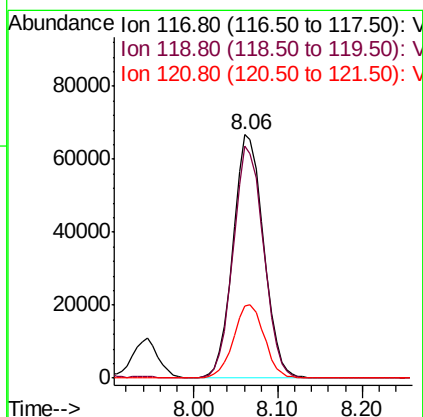
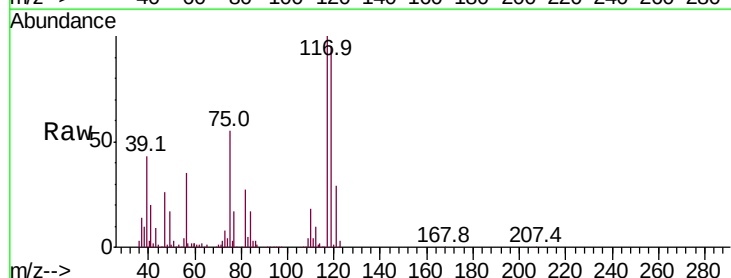
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

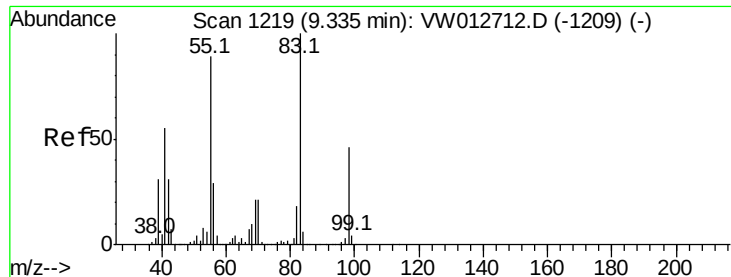
Tot Ion: 43 Resp: 90021
Ion Ratio Lower Upper
43 100
61 11.9 9.5 14.3
70 9.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 51.605 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 117 Resp: 163382
Ion Ratio Lower Upper
117 100
119 95.1 76.2 114.2
121 29.5 25.4 38.2

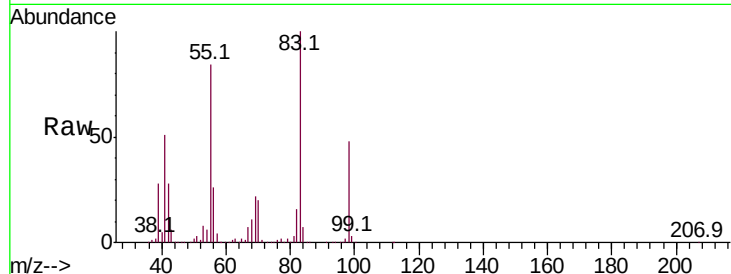




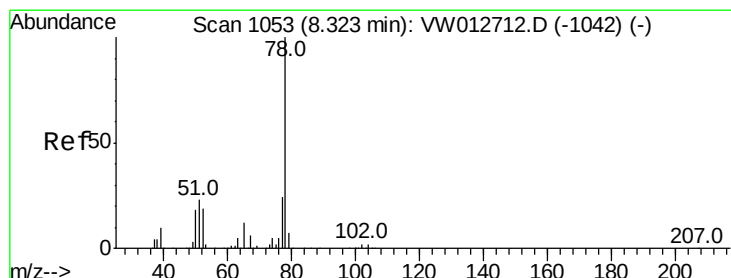
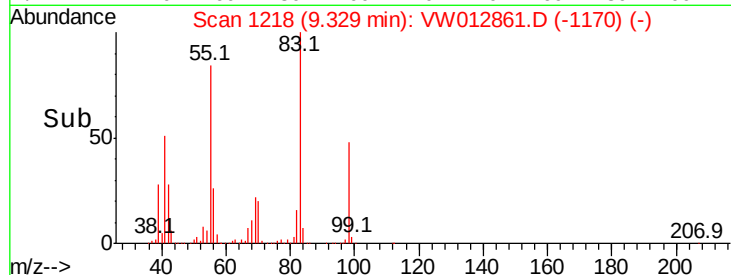
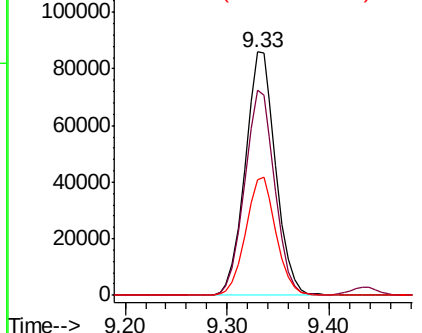
#39
Methylvlcyclohexane
Concen: 49.573 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 178821
Ion Ratio Lower Upper
83 100
55 84.0 71.0 106.4
98 47.6 36.9 55.3

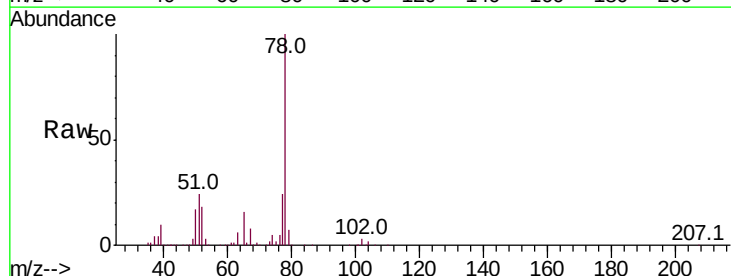


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

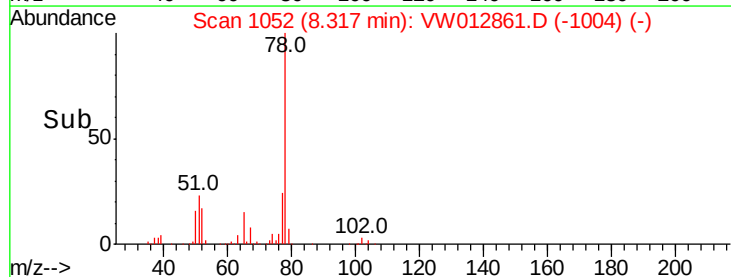
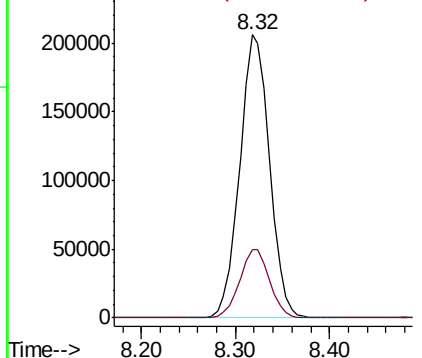


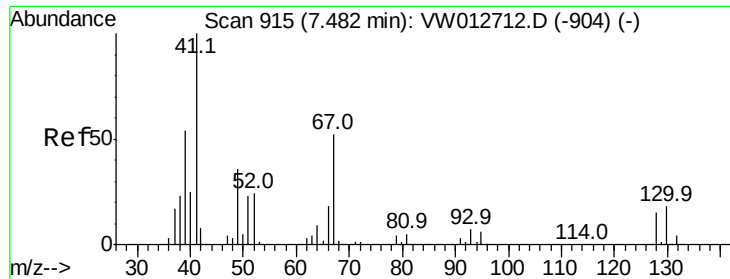
#40
Benzene
Concen: 51.013 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 78 Resp: 454582
Ion Ratio Lower Upper
78 100
77 24.3 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

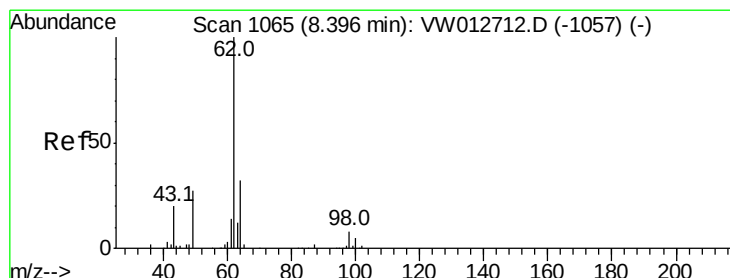
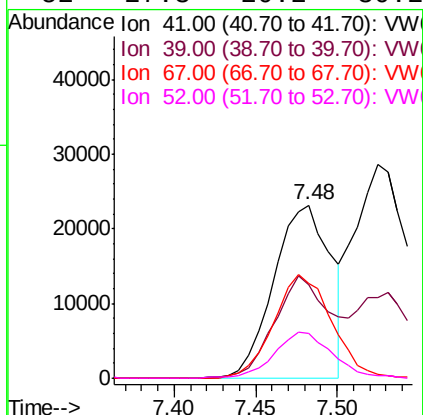
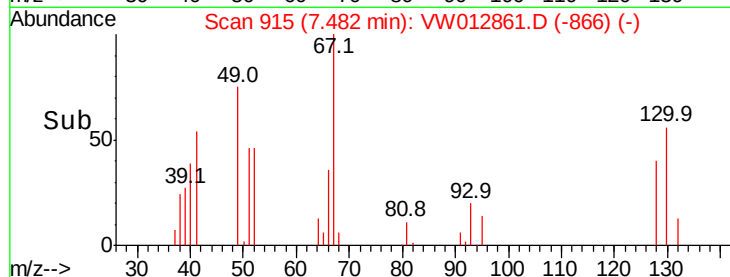
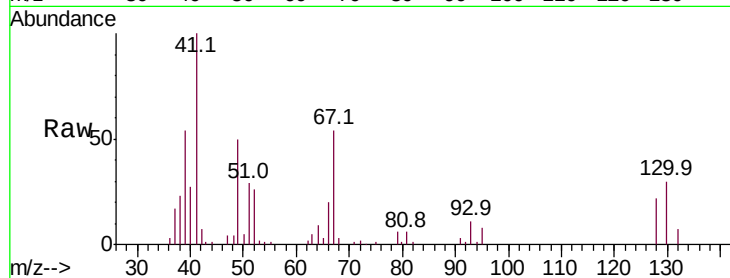




#41
Methacrylonitrile
Concen: 41.242 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

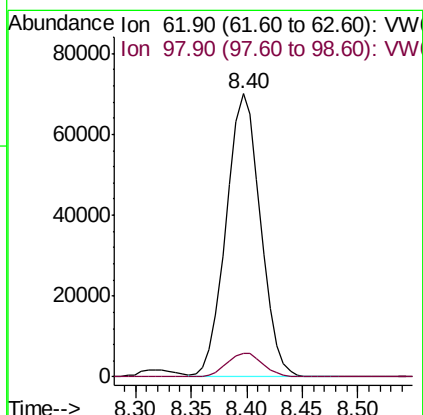
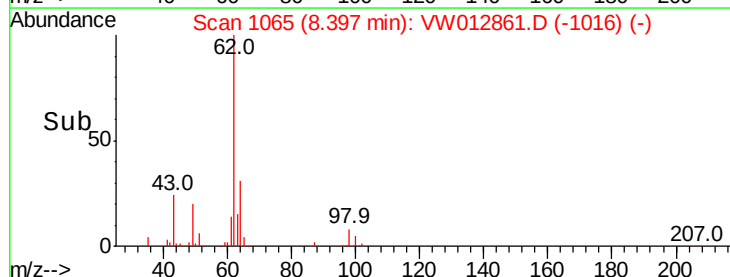
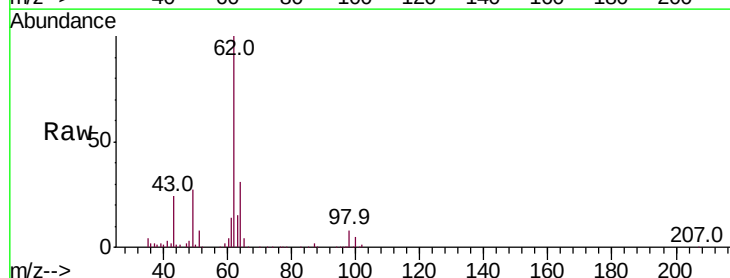
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

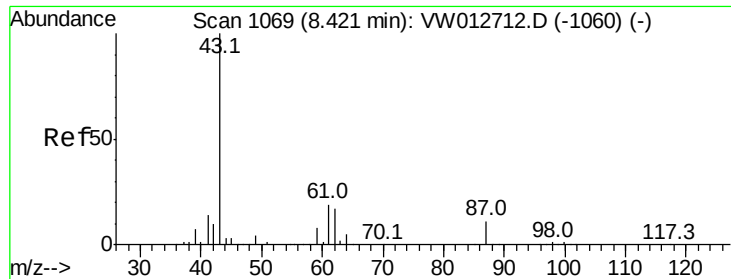
Tot Ion:	41	Resp:	56386
Ion	Ratio	Lower	Upper
41	100		
39	60.7	47.5	71.3
67	60.9	45.1	67.7
52	27.3	20.2	30.2



#42
1,2-Dichloroethane
Concen: 47.987 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion:	62	Resp:	150496
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 46.028 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

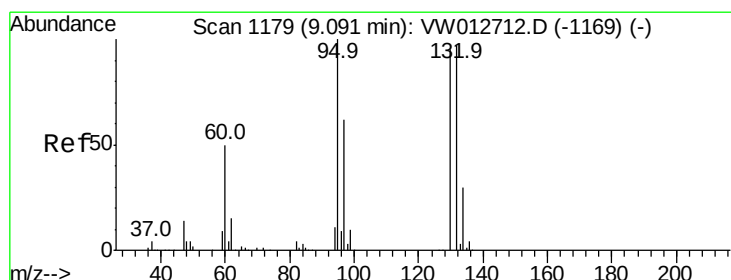
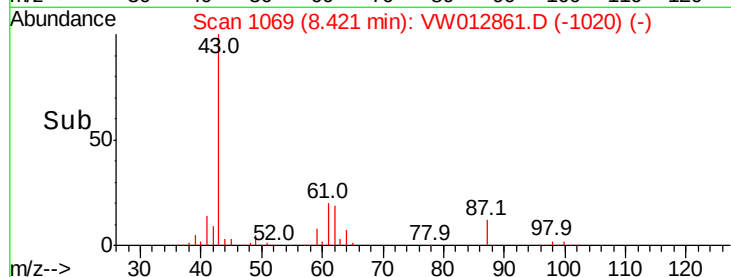
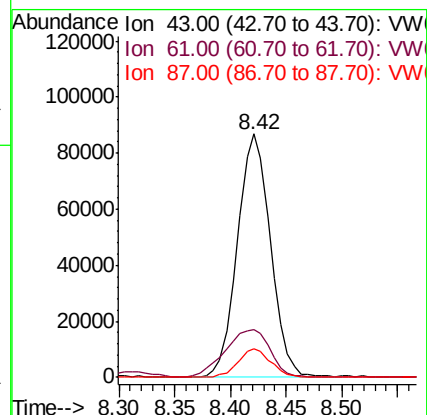
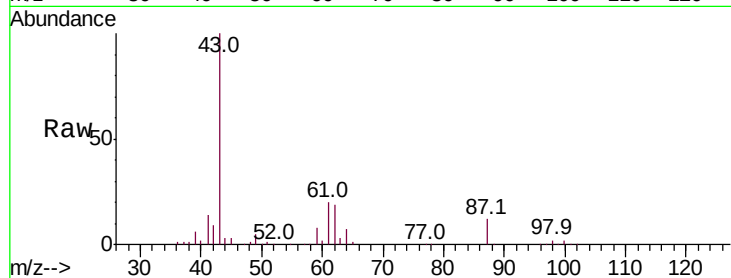
Tot Ion: 43 Resp: 178541

Ion Ratio Lower Upper

43 100

61 26.9 20.6 30.8

87 11.5 8.6 13.0



#44

Trichloroethene

Concen: 52.714 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012861.D

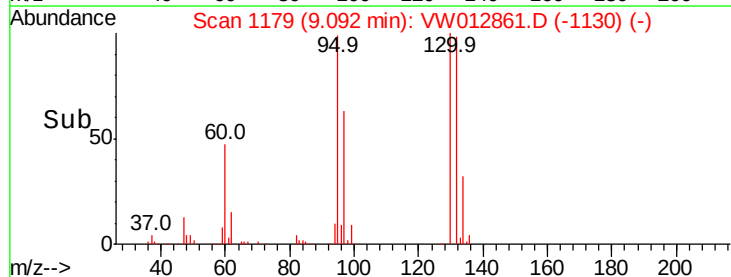
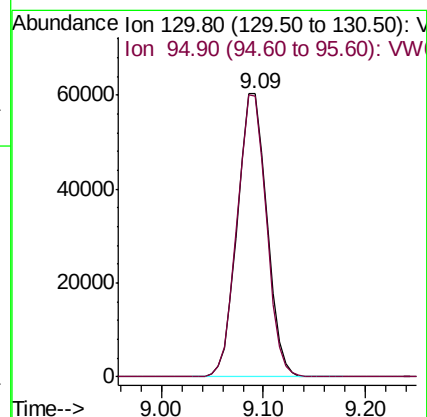
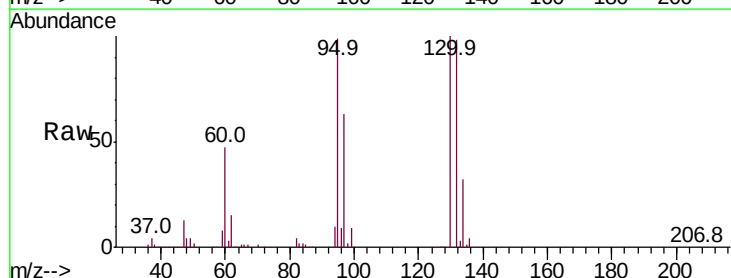
Acq: 10 Sep 2019 10:52

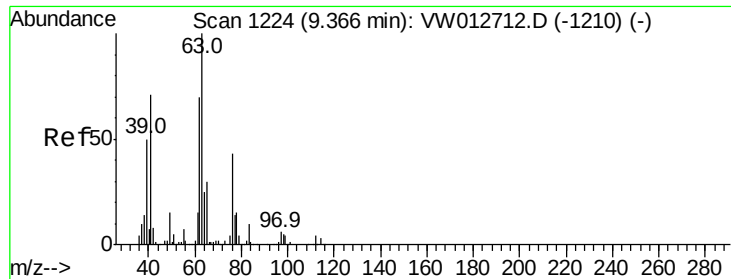
Tgt Ion:130 Resp: 121085

Ion Ratio Lower Upper

130 100

95 99.4 0.0 210.6





#45

1,2-Dichloropropane

Concen: 49.861 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

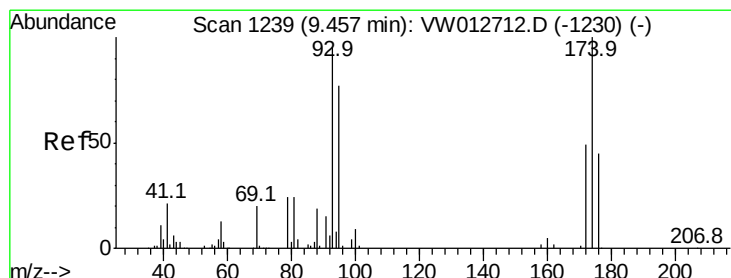
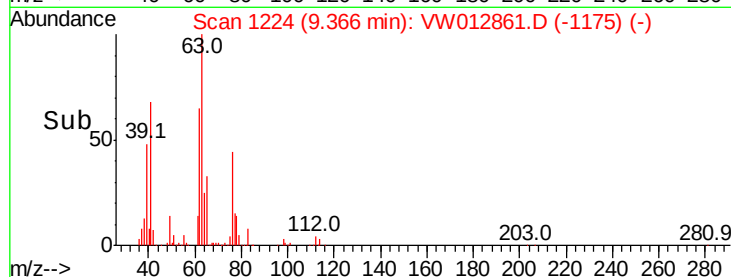
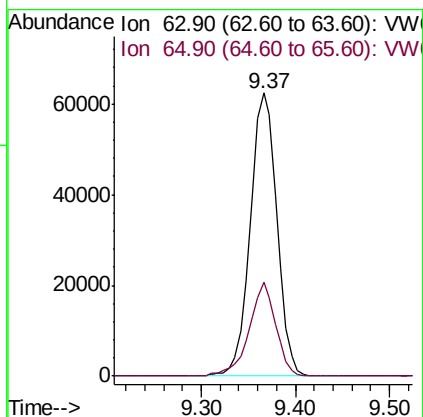
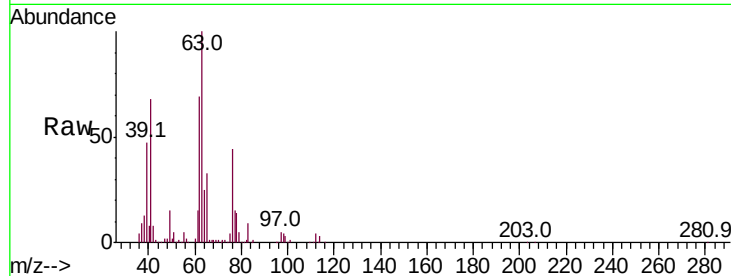
VSTDCCC050

Tot Ion: 63 Resp: 123233

Ion Ratio Lower Upper

63 100

65 33.3 23.8 35.8



#46

Dibromomethane

Concen: 49.563 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

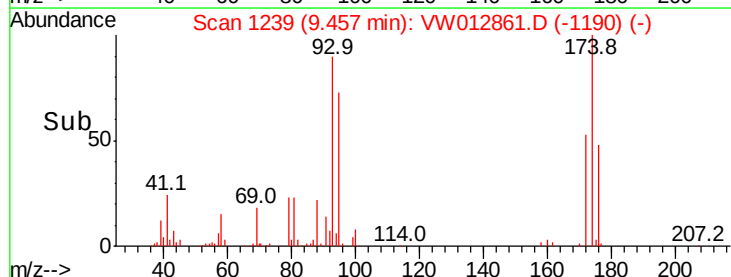
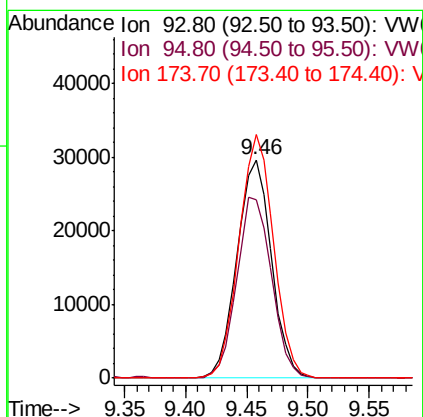
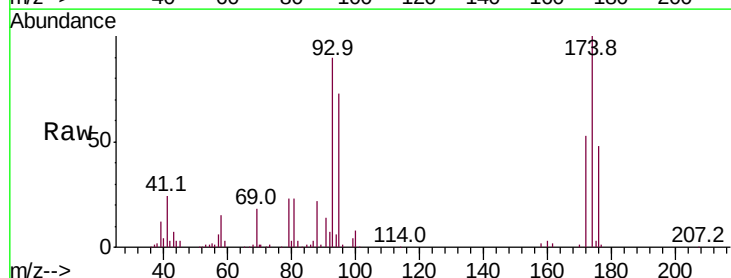
Tgt Ion: 93 Resp: 58007

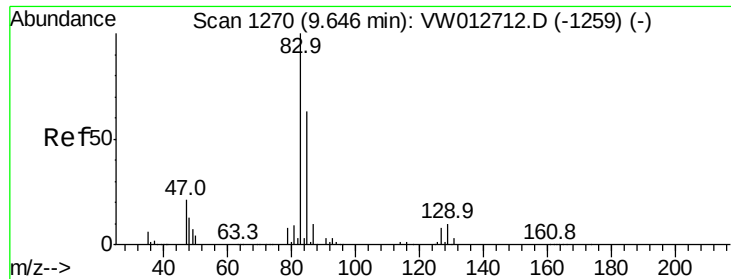
Ion Ratio Lower Upper

93 100

95 83.6 65.2 97.8

174 111.7 84.2 126.4

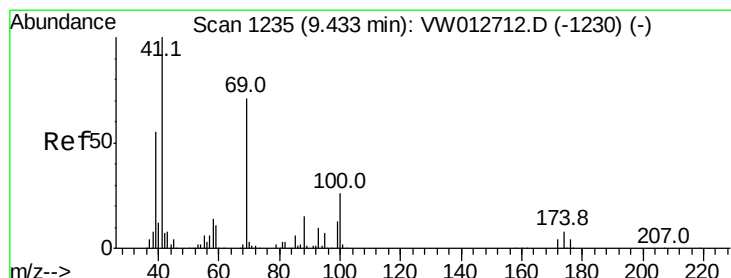
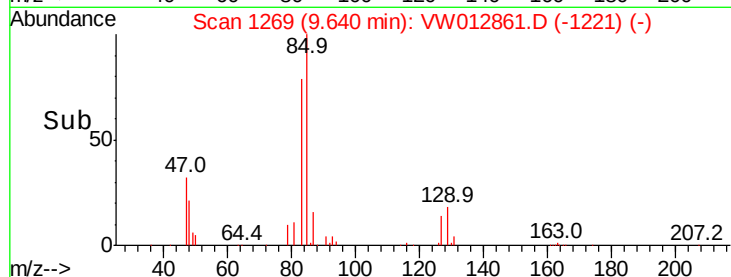
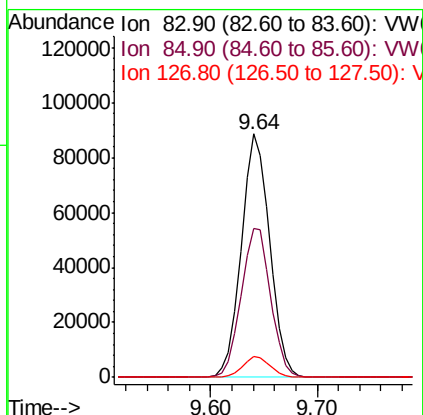
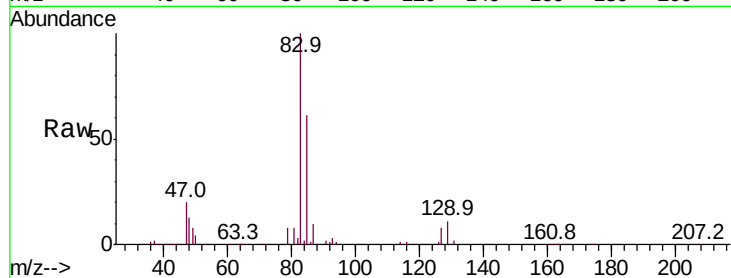




#47
Bromodichloromethane
Concen: 51.547 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

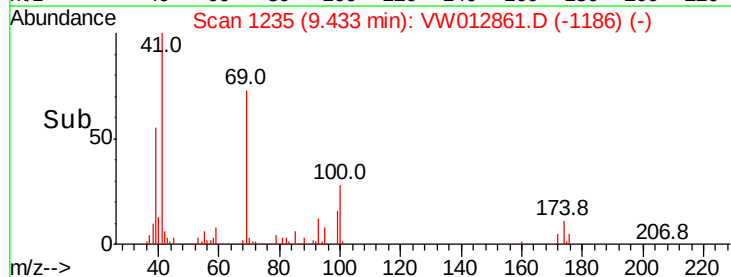
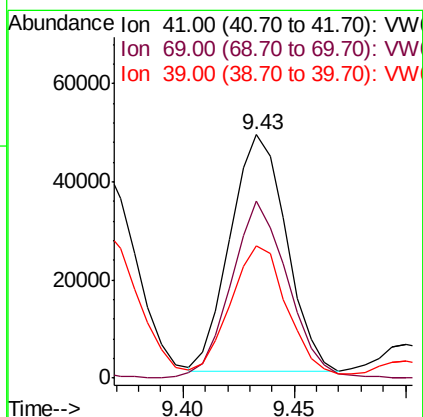
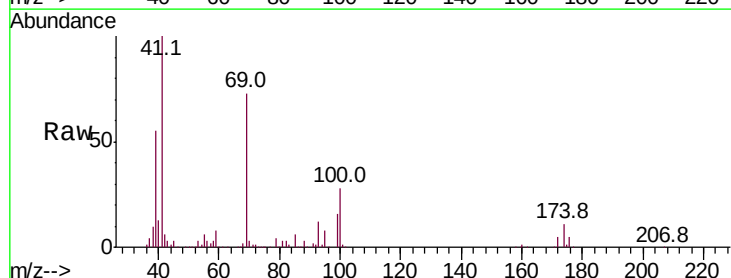
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

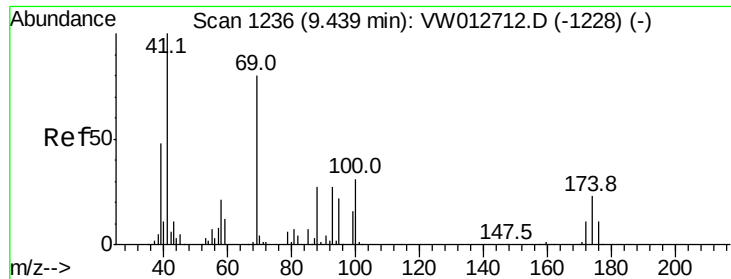
Tot Ion: 83 Resp: 165977
Ion Ratio Lower Upper
83 100
85 61.4 50.2 75.2
127 8.5 6.6 9.8



#48
Methyl methacrylate
Concen: 45.731 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 41 Resp: 84772
Ion Ratio Lower Upper
41 100
69 75.8 59.8 89.8
39 57.5 47.0 70.6





#49

1,4-Dioxane

Concen: 758.887 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.02 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

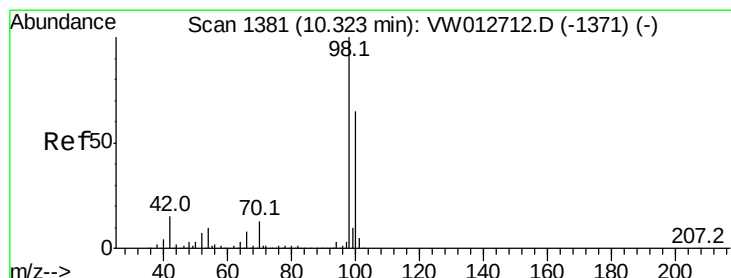
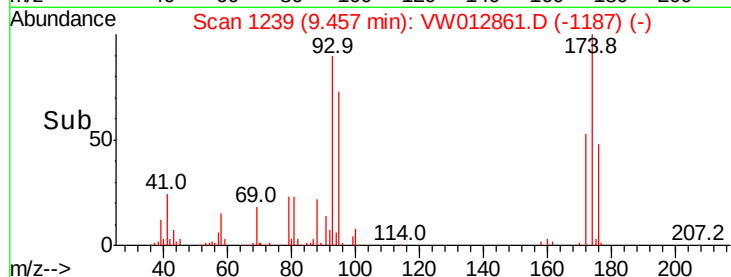
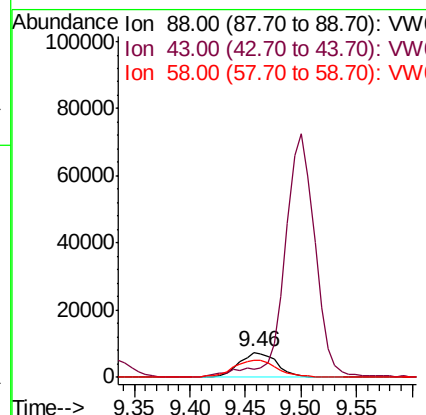
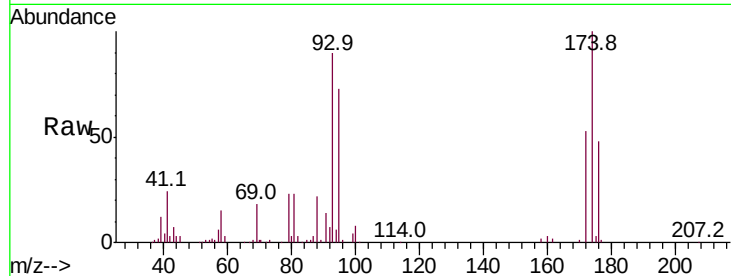
Tot Ion: 88 Resp: 17544

Ion Ratio Lower Upper

88 100

43 0.0 34.8 52.2#

58 80.1 64.1 96.1



#50

Toluene-d8

Concen: 49.666 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012861.D

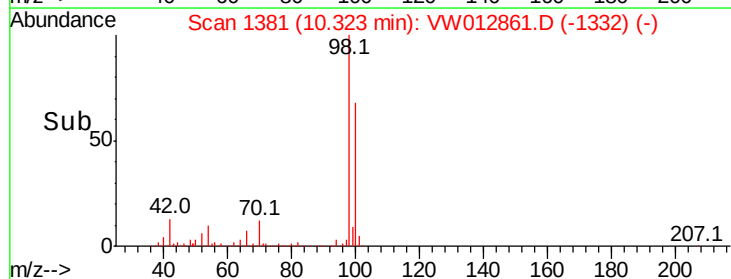
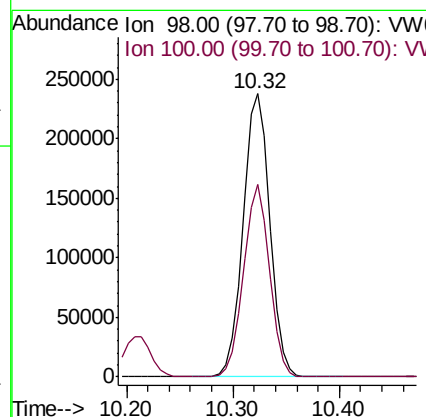
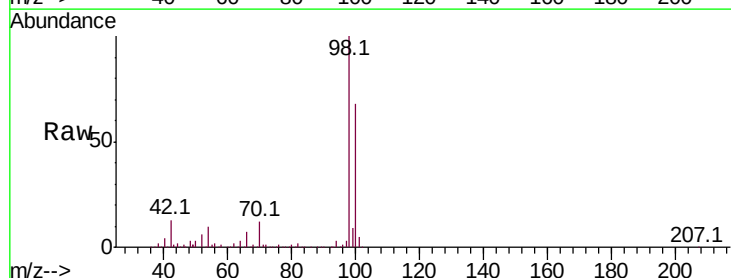
Acq: 10 Sep 2019 10:52

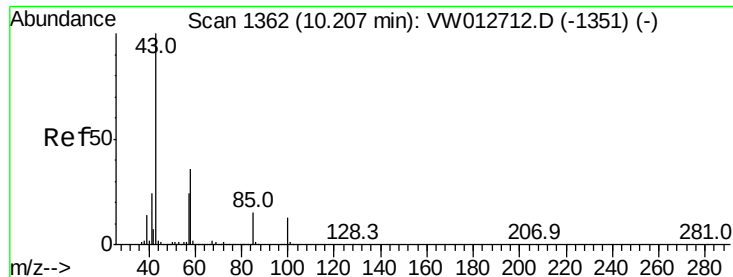
Tgt Ion: 98 Resp: 418163

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.4

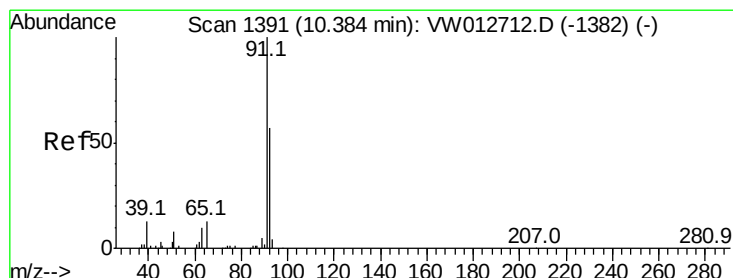
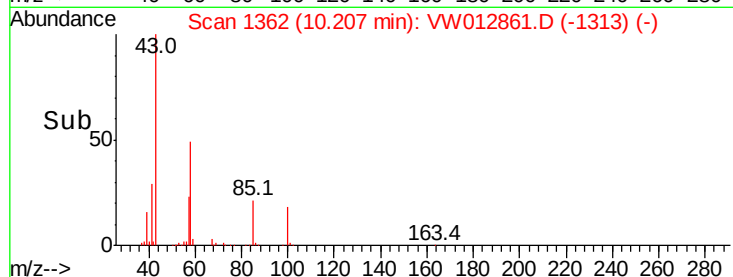
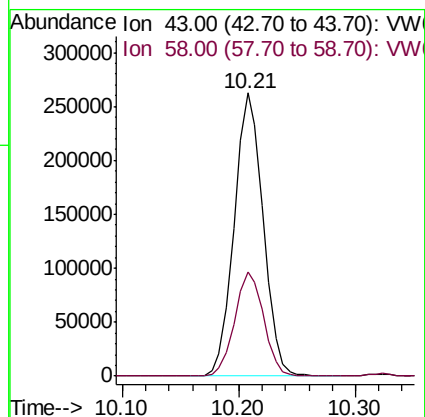
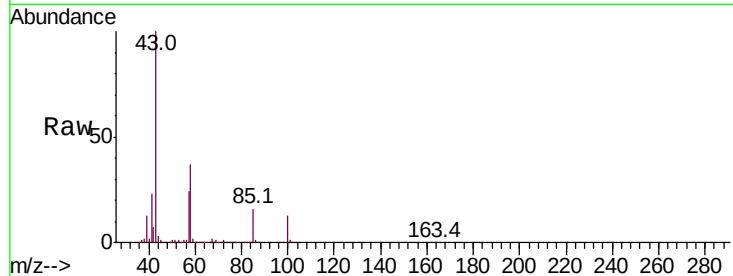




#51
 4-Methyl-2-Pentanone
 Concen: 223.545 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

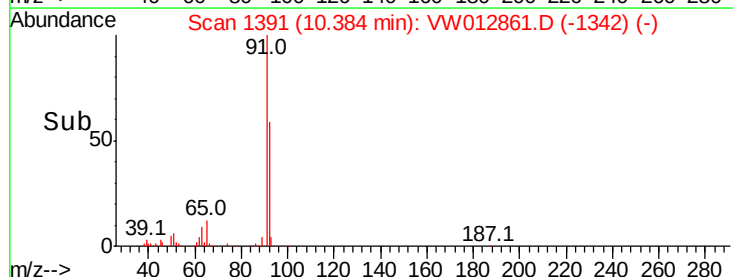
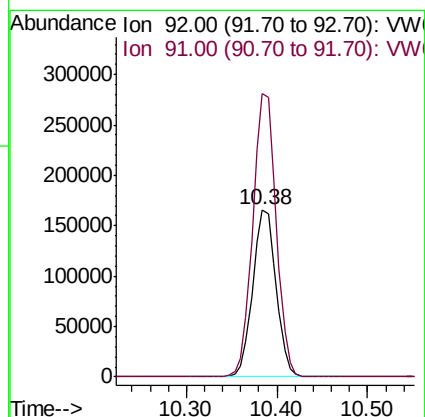
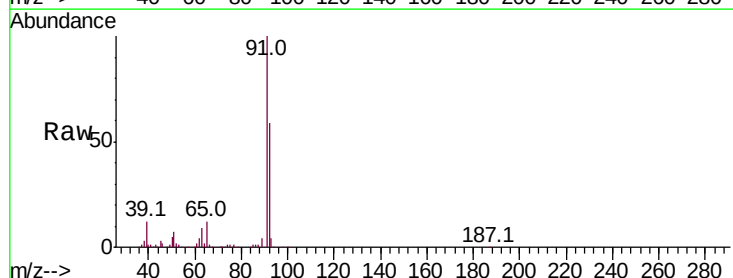
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

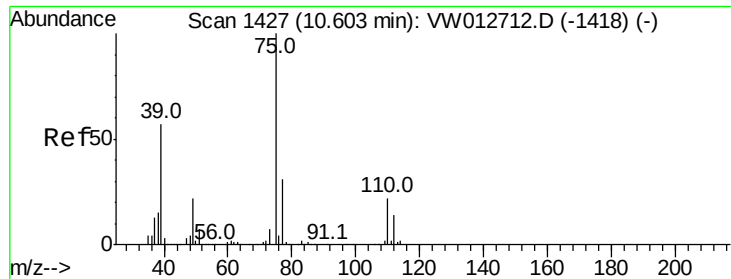
Tot Ion: 43 Resp: 455006
 Ion Ratio Lower Upper
 43 100
 58 36.9 28.4 42.6



#52
 Toluene
 Concen: 53.073 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion: 92 Resp: 295183
 Ion Ratio Lower Upper
 92 100
 91 170.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 51.624 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

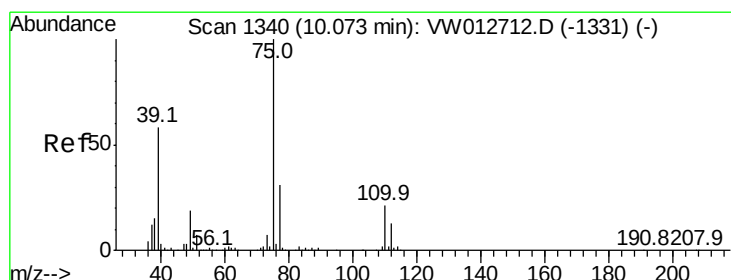
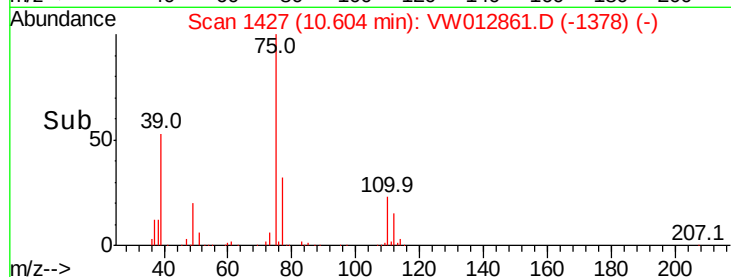
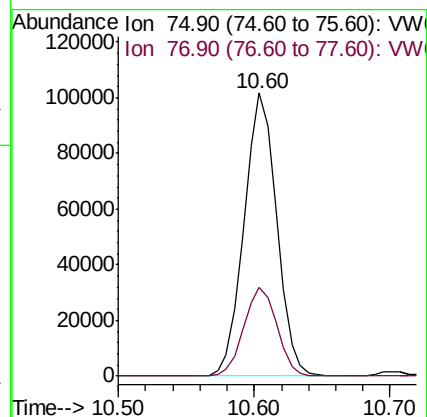
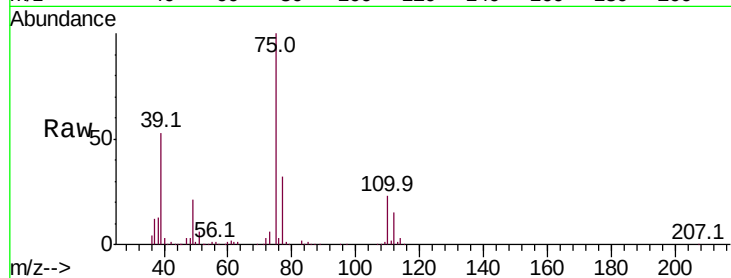
VSTDCCC050

Tot Ion: 75 Resp: 170925

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 52.295 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

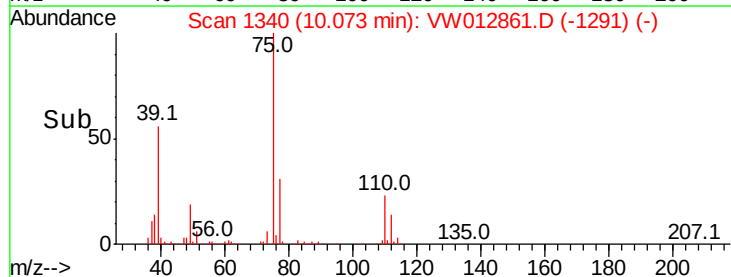
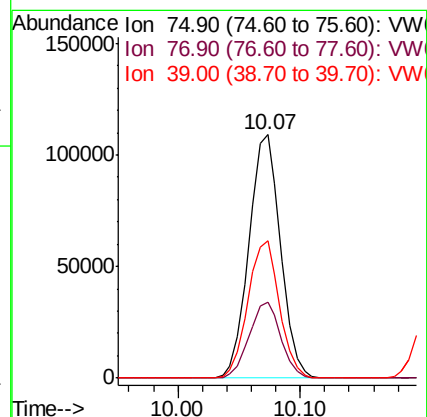
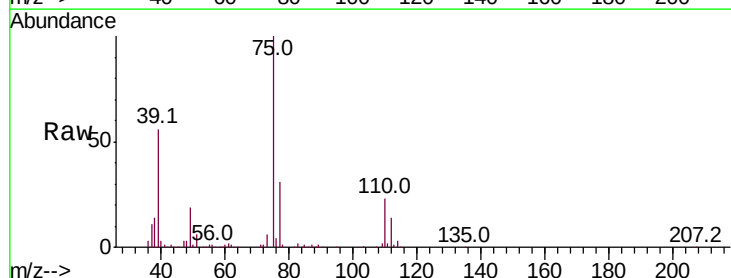
Tgt Ion: 75 Resp: 196423

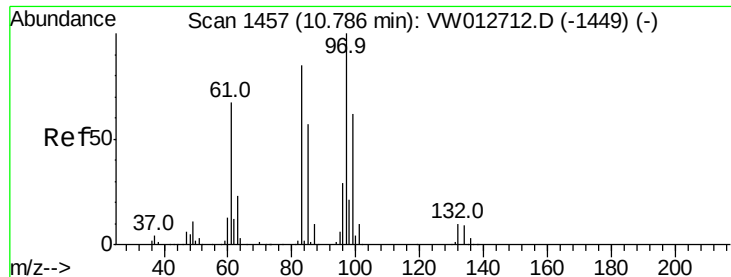
Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

39 56.2 46.3 69.5

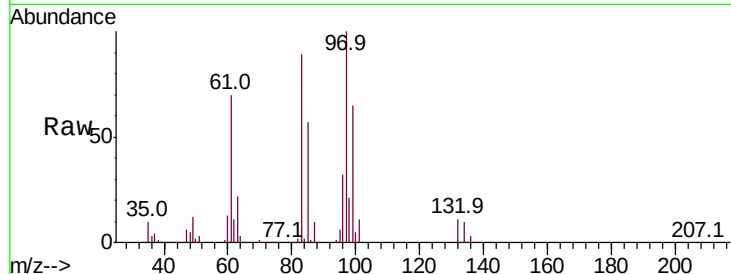




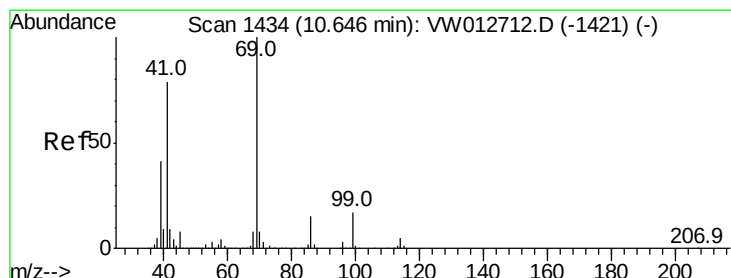
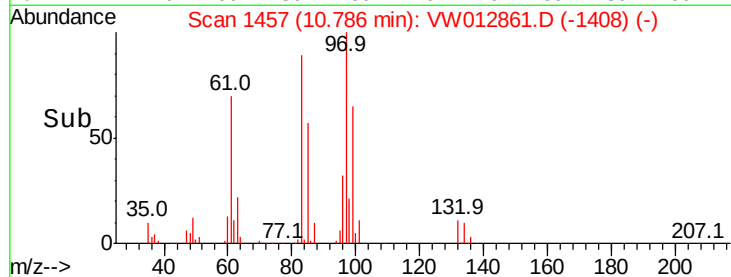
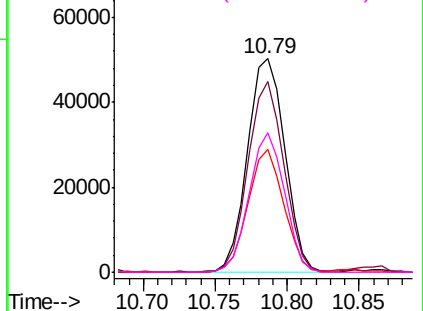
#55
 1,1,2-Trichloroethane
 Concen: 51.658 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	90514
Ion	Ratio	Lower	Upper
97	100		
83	89.1	68.1	102.1
85	57.4	45.3	67.9
99	65.2	50.0	75.0

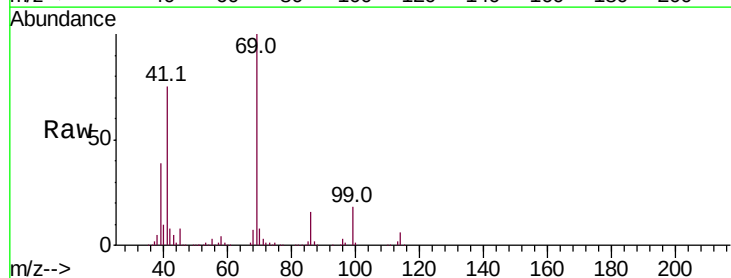


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

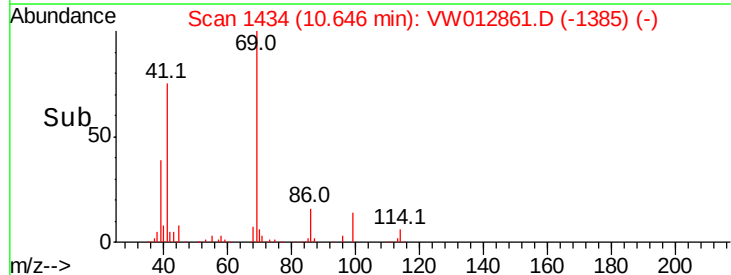
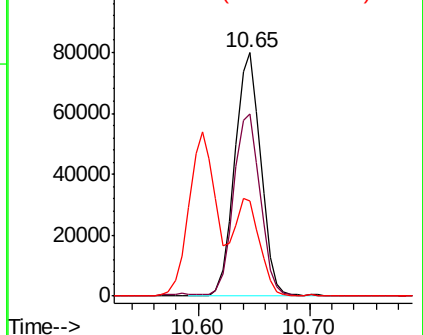


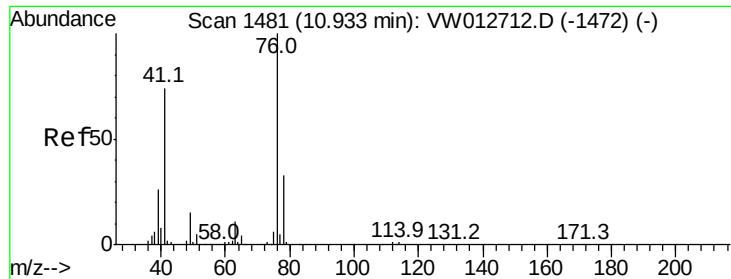
#56
 Ethyl methacrylate
 Concen: 50.458 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion:	69	Resp:	129417
Ion	Ratio	Lower	Upper
69	100		
41	76.1	64.4	96.6
39	35.6	31.1	46.7



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

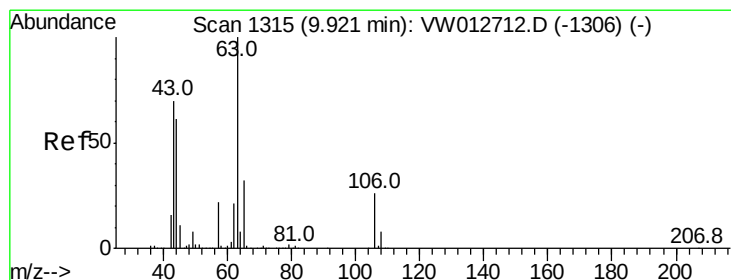
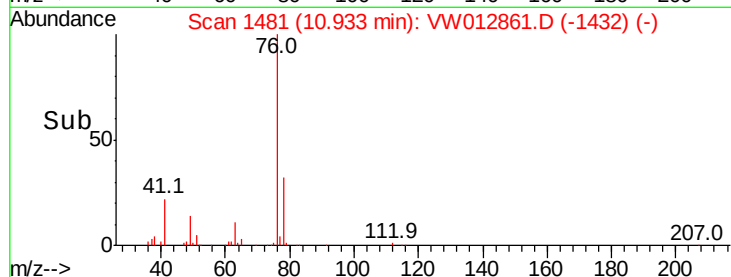
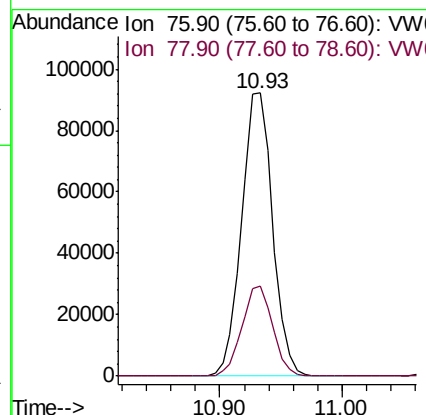
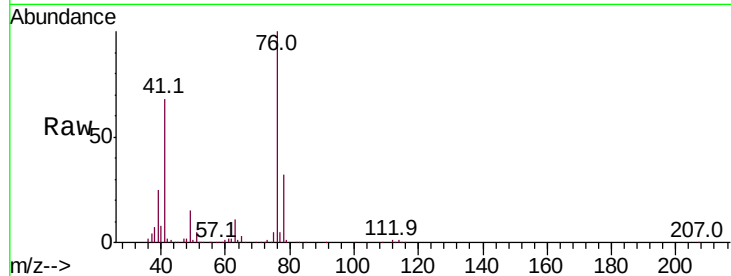




#57
 1,3-Dichloropropane
 Concen: 49.853 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

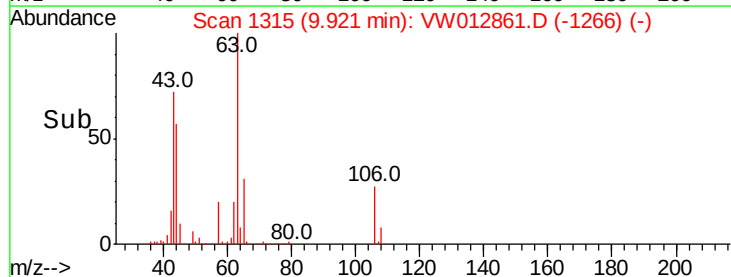
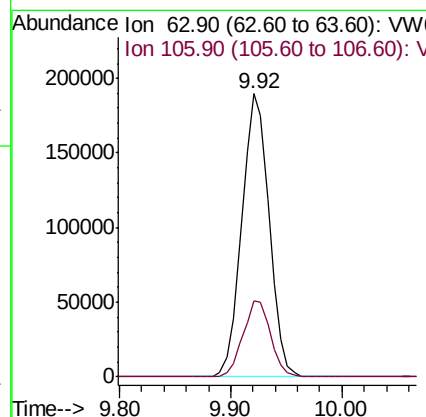
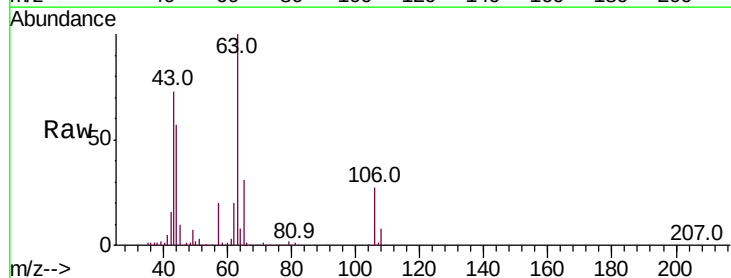
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

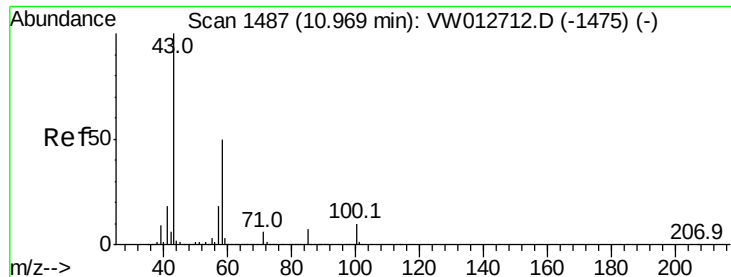
Tot Ion: 76 Resp: 161597
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.399 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion: 63 Resp: 321887
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.5 30.7

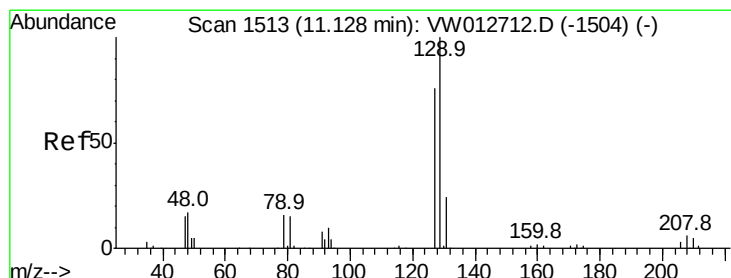
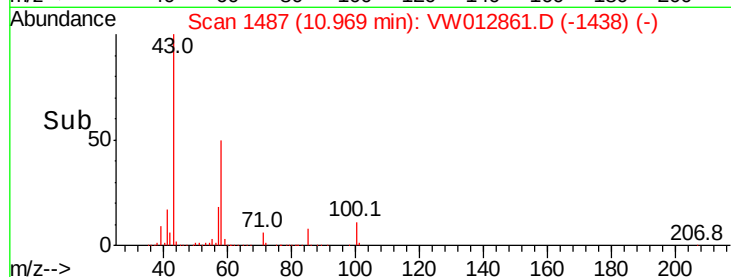
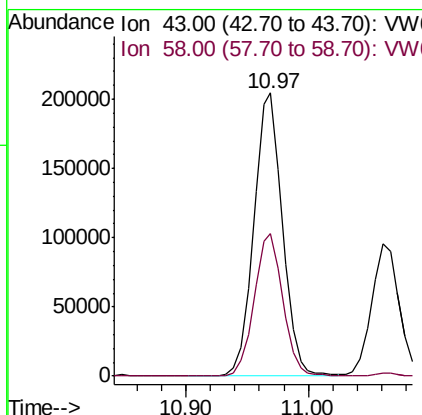
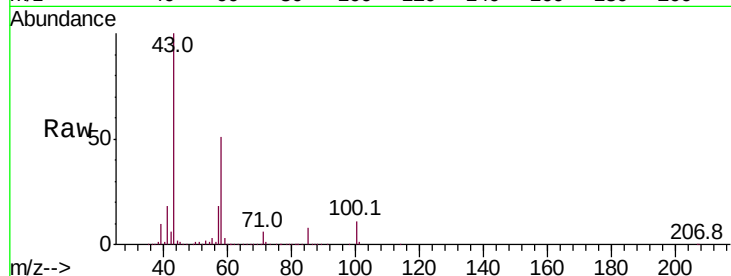




#59
2-Hexanone
Concen: 223.863 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

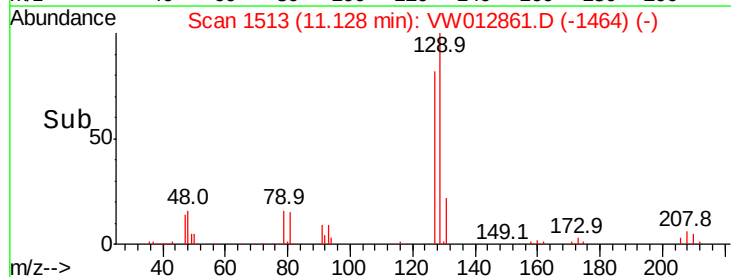
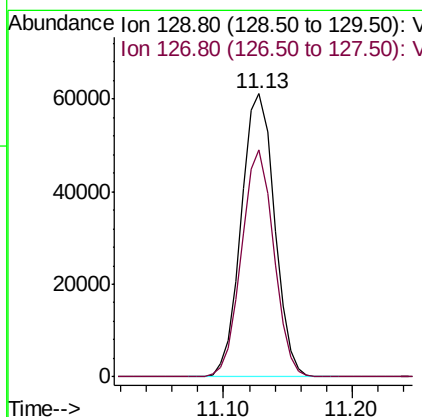
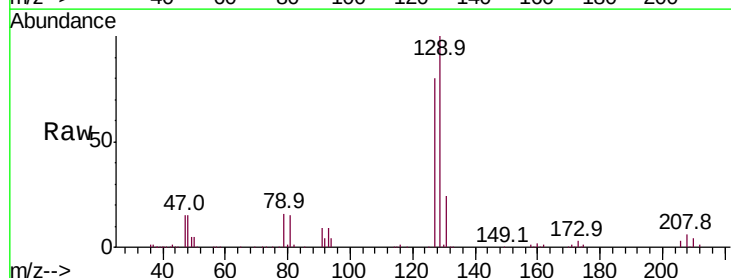
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

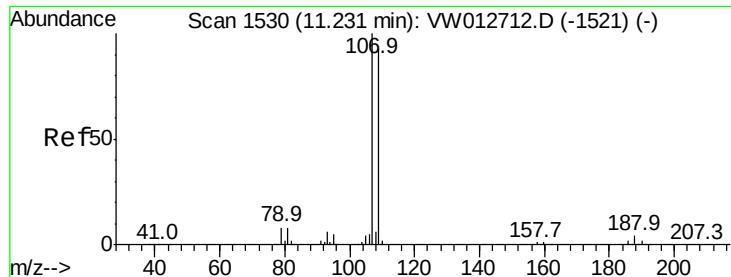
Tot Ion: 43 Resp: 332892
Ion Ratio Lower Upper
43 100
58 50.5 24.7 74.1



#60
Dibromochloromethane
Concen: 53.047 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 129 Resp: 109314
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

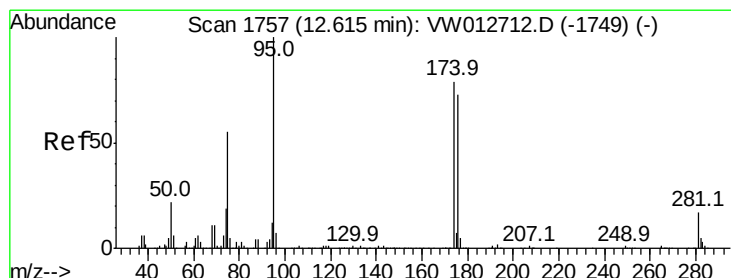
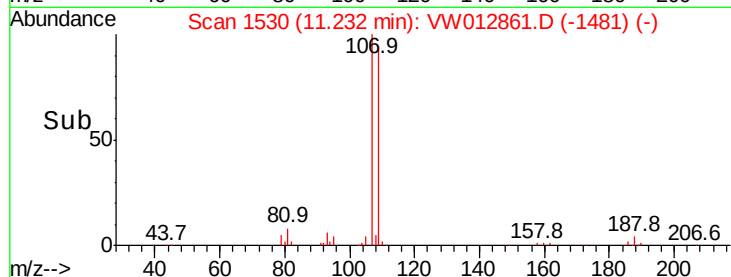
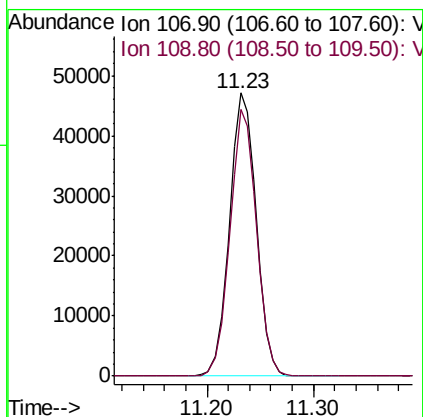
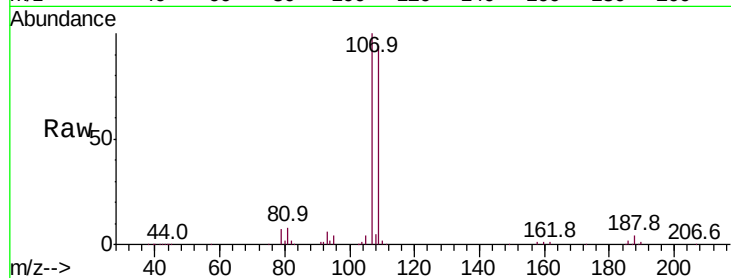




#61
 1,2-Dibromoethane
 Concen: 51.663 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

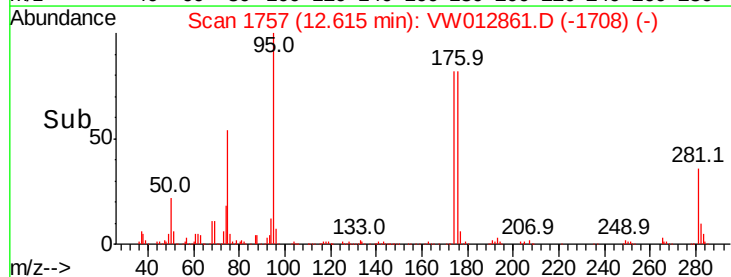
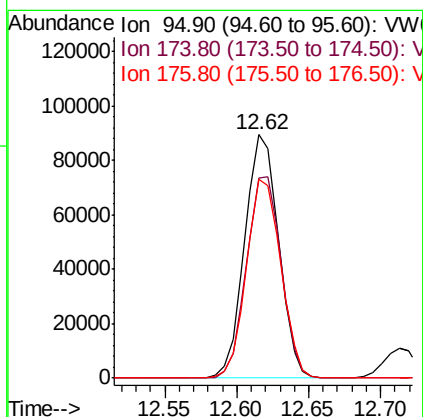
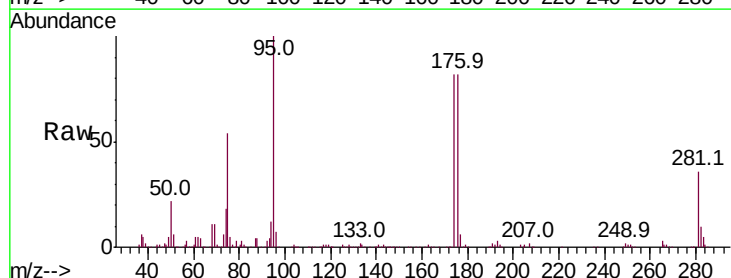
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

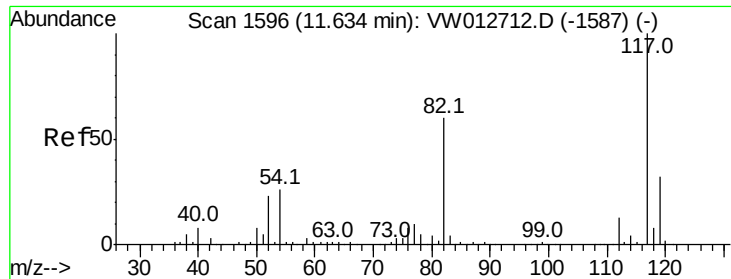
Tot Ion:107 Resp: 82991
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.649 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion: 95 Resp: 145641
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 161.0
 176 82.5 0.0 156.4

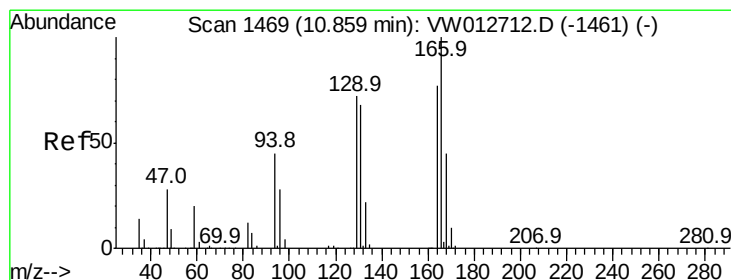
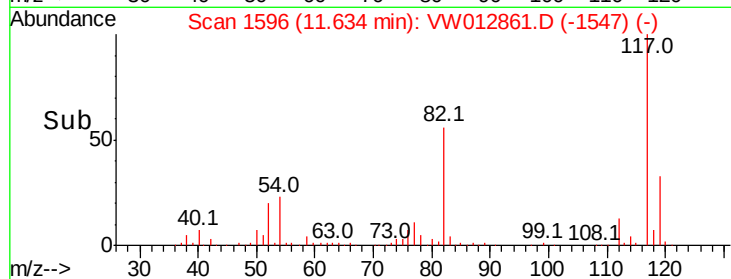
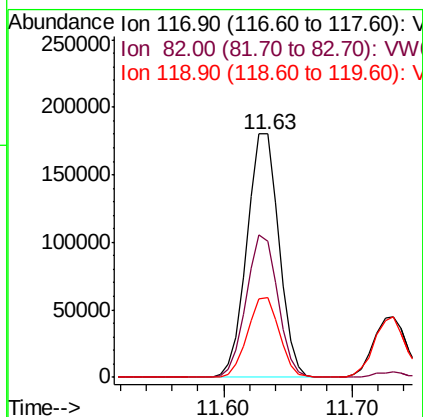
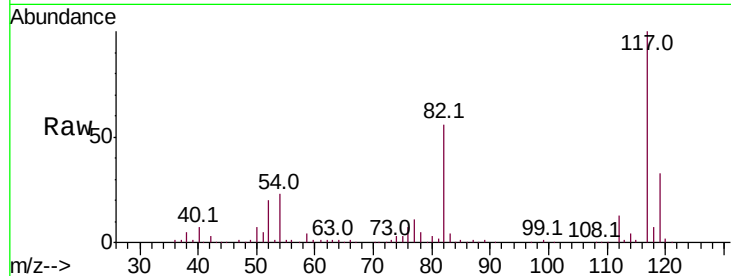




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

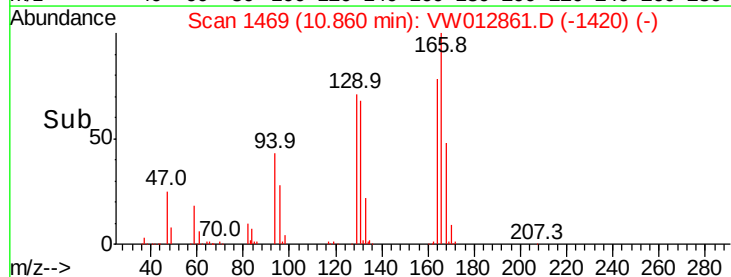
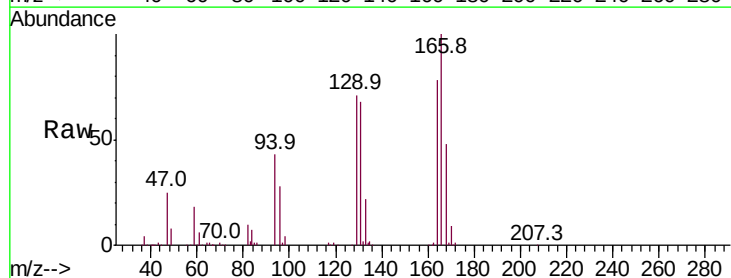
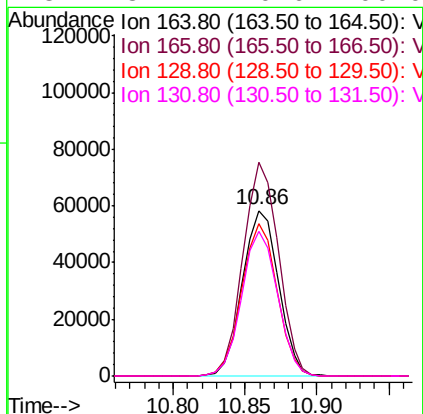
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

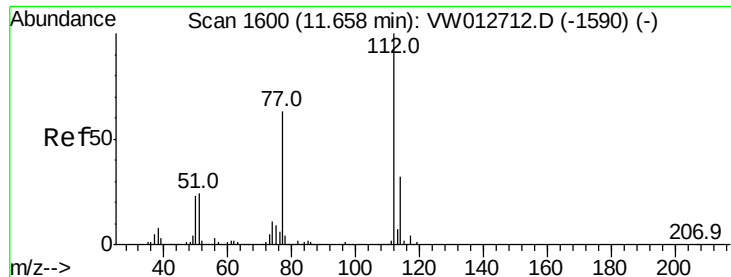
Tot Ion:117 Resp: 309225
Ion Ratio Lower Upper
117 100
82 55.7 48.2 72.4
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 53.816 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion:164 Resp: 100976
Ion Ratio Lower Upper
164 100
166 128.9 103.6 155.4
129 91.7 74.6 112.0
131 87.1 70.6 106.0





#65

Chlorobenzene

Concen: 53.562 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

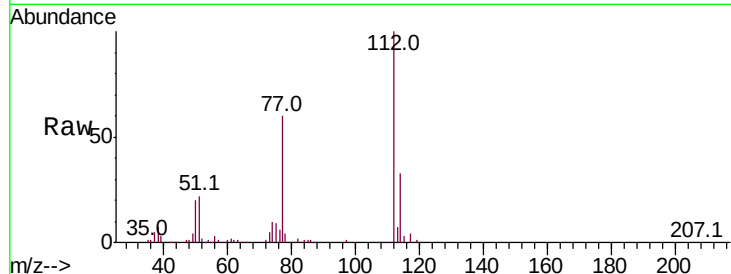
VSTDCCC050

Tot Ion:112 Resp: 313040

Ion Ratio Lower Upper

112 100

114 33.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

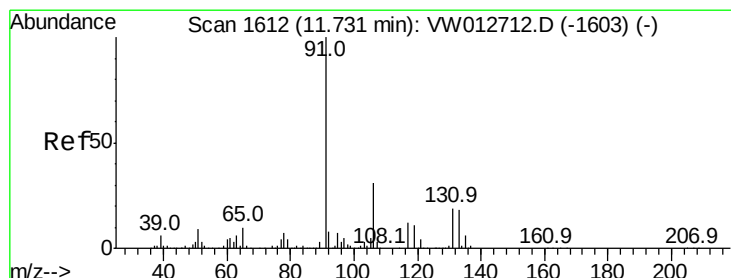
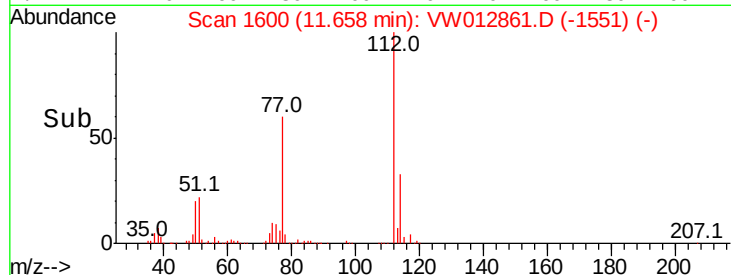
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.700 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

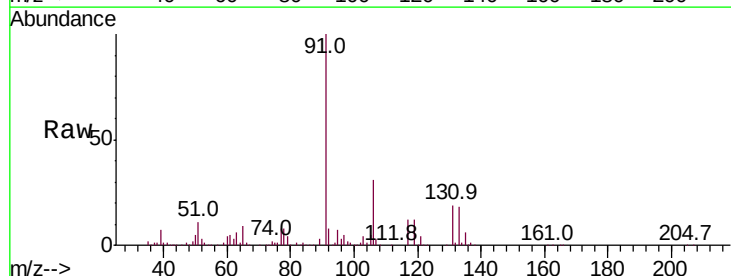
Tgt Ion:131 Resp: 119053

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.8

119 62.9 30.6 92.0



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

80000

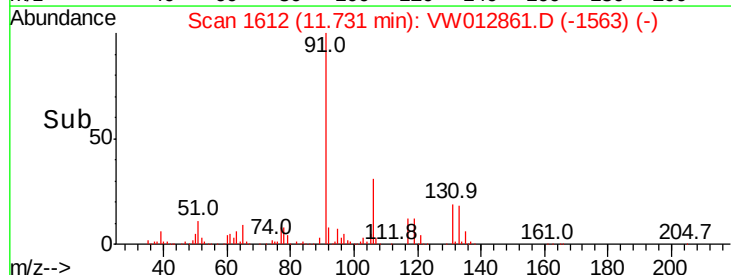
60000

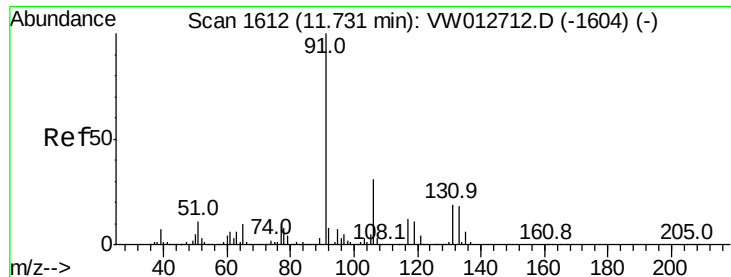
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 53.843 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

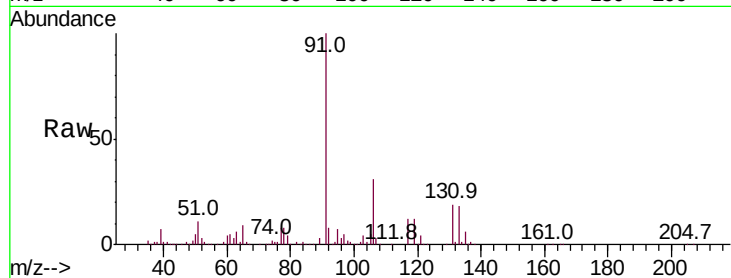
VSTDCCC050

Tot Ion: 91 Resp: 590415

Ion Ratio Lower Upper

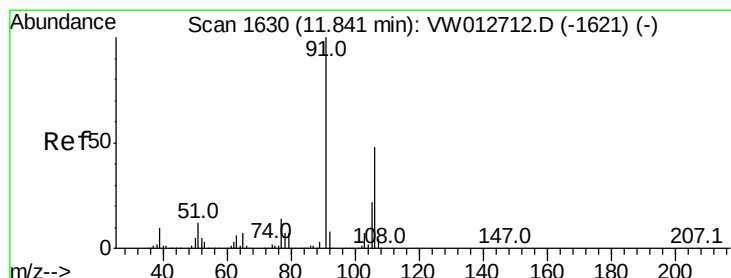
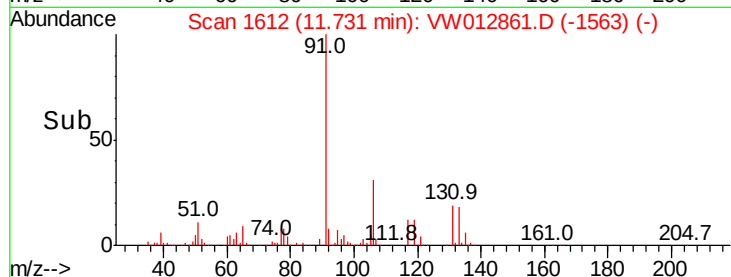
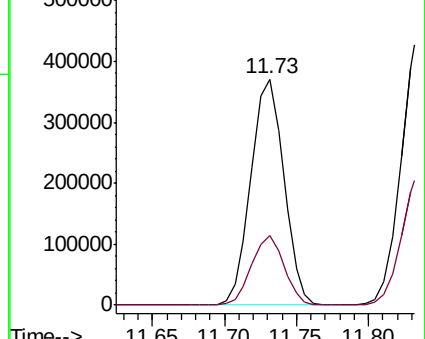
91 100

106 30.6 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 108.253 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW012861.D

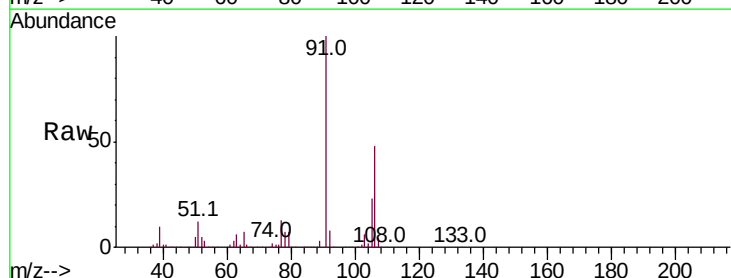
Acq: 10 Sep 2019 10:52

Tgt Ion: 106 Resp: 428475

Ion Ratio Lower Upper

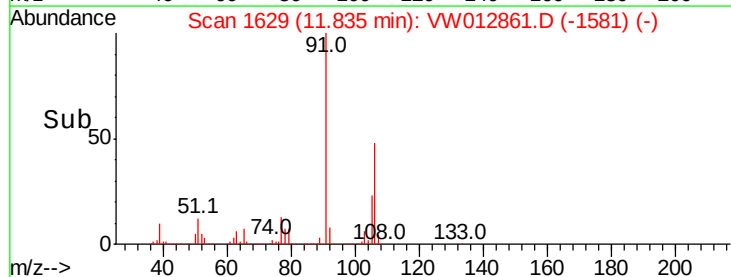
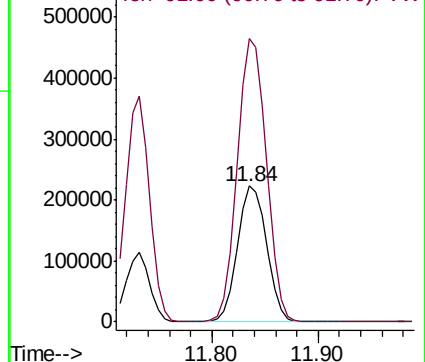
106 100

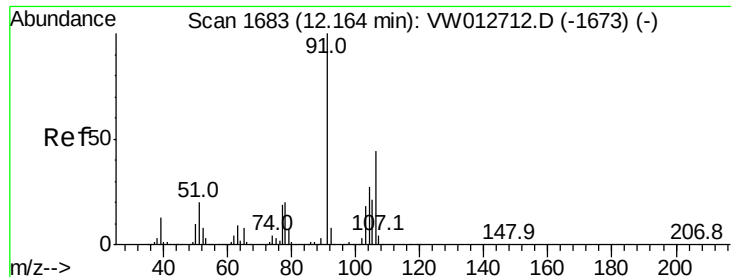
91 208.9 168.2 252.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

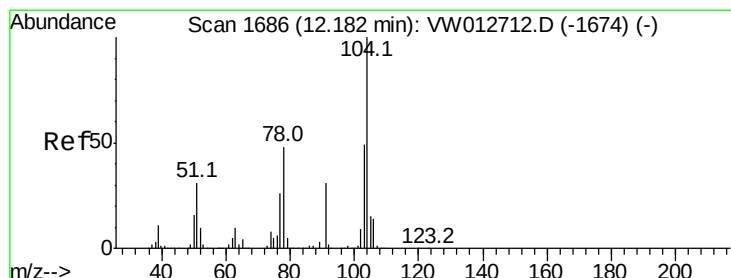
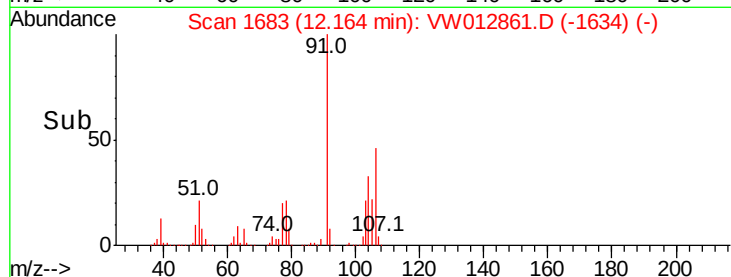
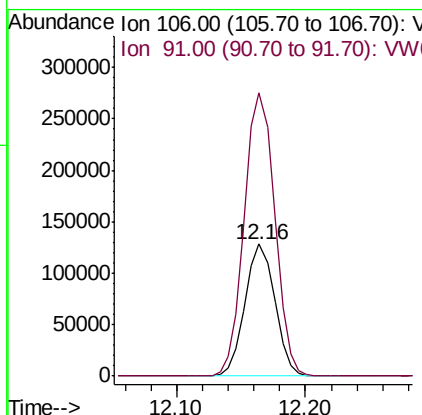
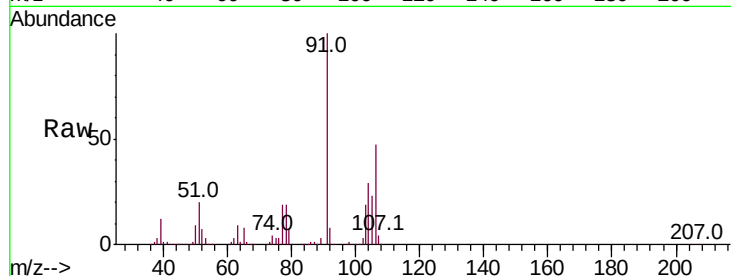




#69
o-Xylene
Concen: 54.920 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

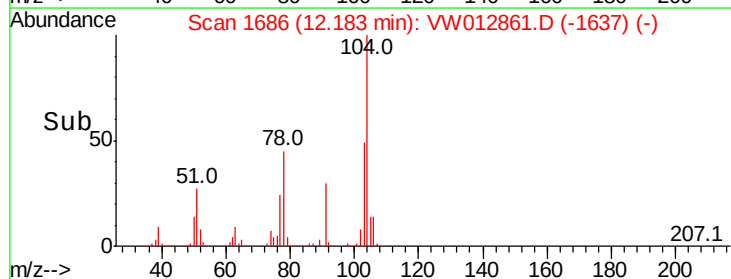
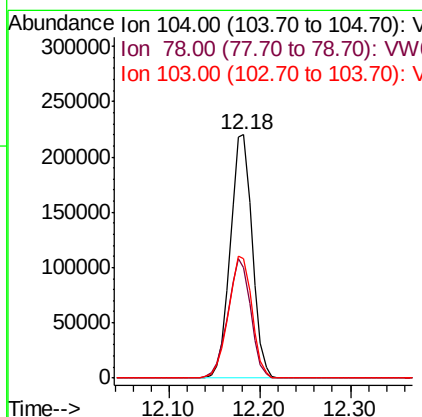
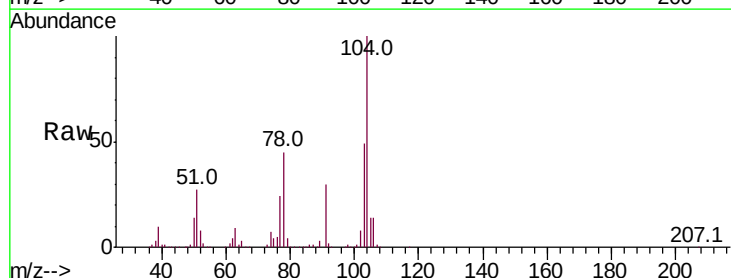
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

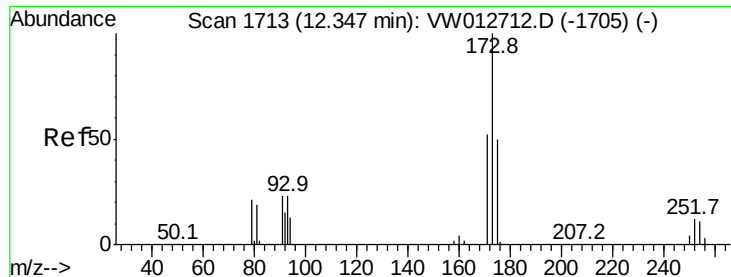
Tot Ion:106 Resp: 205079
Ion Ratio Lower Upper
106 100
91 220.0 112.3 336.8



#70
Styrene
Concen: 55.782 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion:104 Resp: 368079
Ion Ratio Lower Upper
104 100
78 51.5 43.3 64.9
103 53.8 44.0 66.0





#71

Bromoform

Concen: 52.948 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

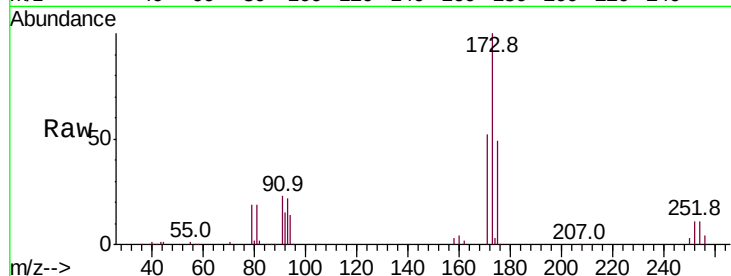
Tot Ion:173 Resp: 64027

Ion Ratio Lower Upper

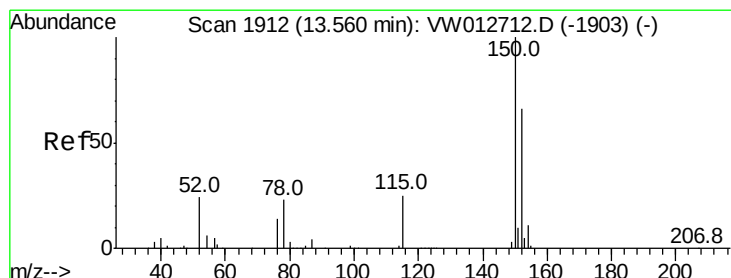
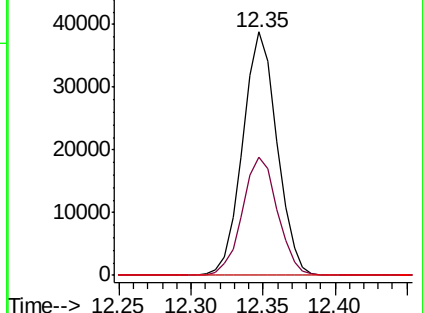
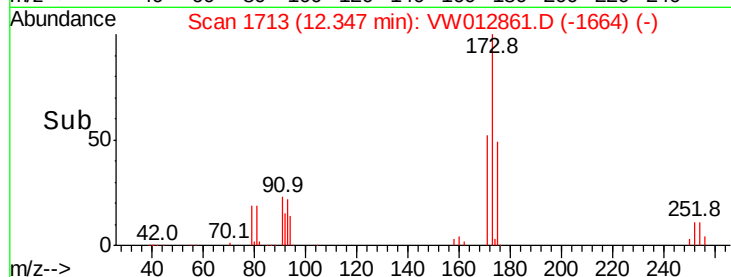
173 100

175 49.6 24.8 74.3

254 0.0 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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

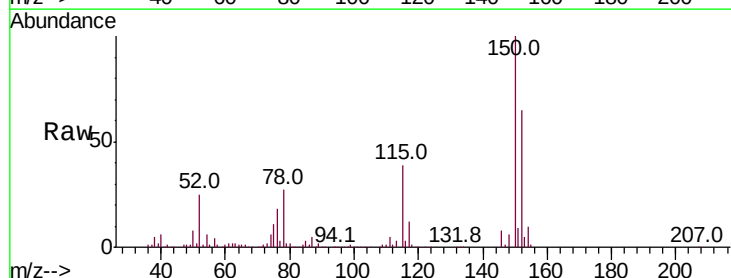
Tgt Ion:152 Resp: 155003

Ion Ratio Lower Upper

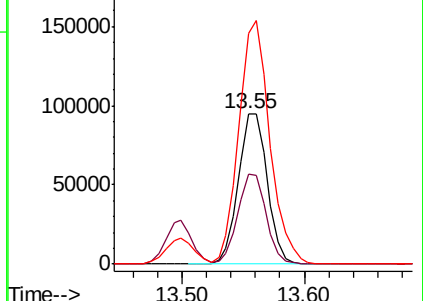
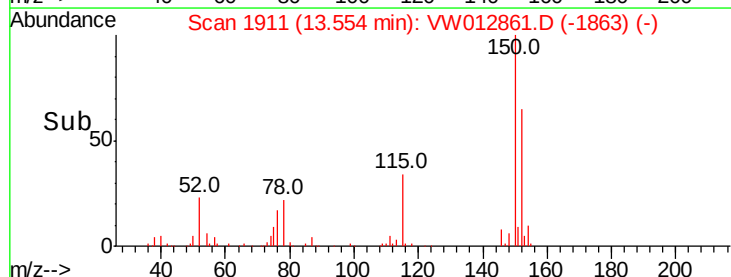
152 100

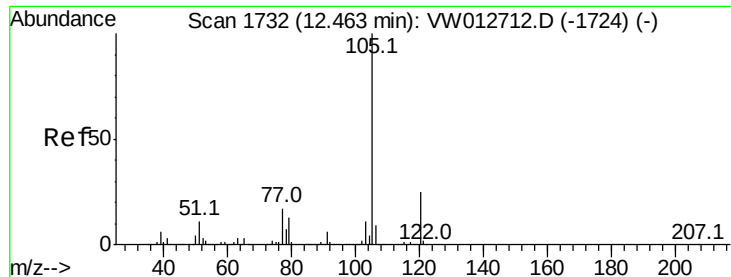
115 58.5 30.0 90.1

150 174.1 0.0 349.0



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: 53.526 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

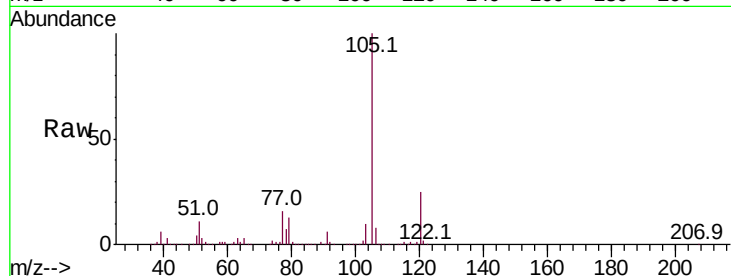
VSTDCCC050

Tot Ion:105 Resp: 595057

Ion Ratio Lower Upper

105 100

120 25.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

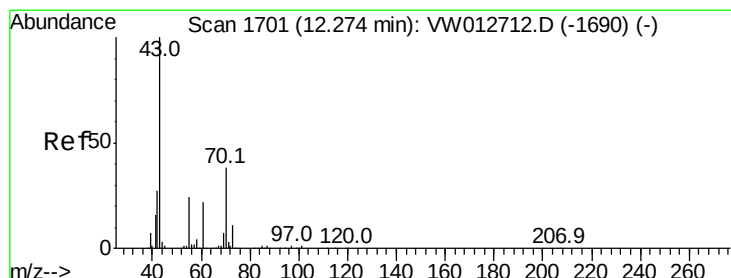
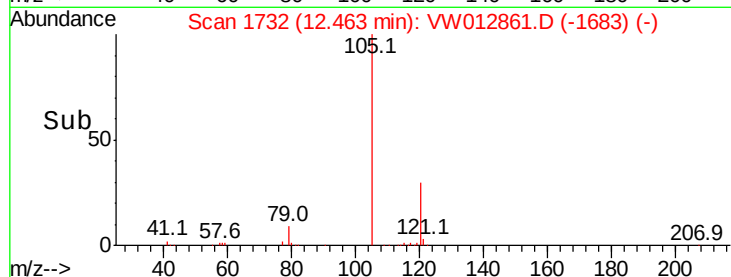
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 46.347 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion: 43 Resp: 163550

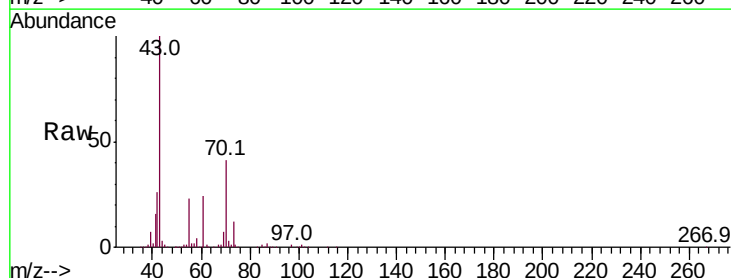
Ion Ratio Lower Upper

43 100

70 39.1 29.4 44.0

55 22.8 18.6 27.8

61 23.5 17.8 26.6



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

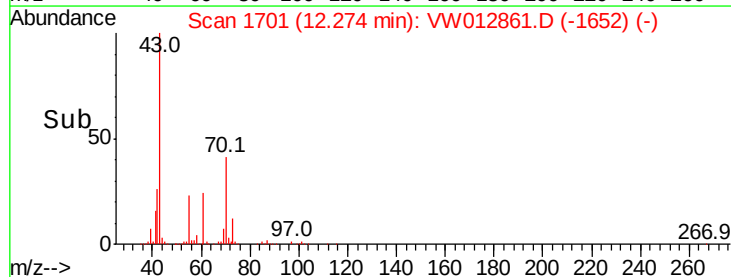
150000

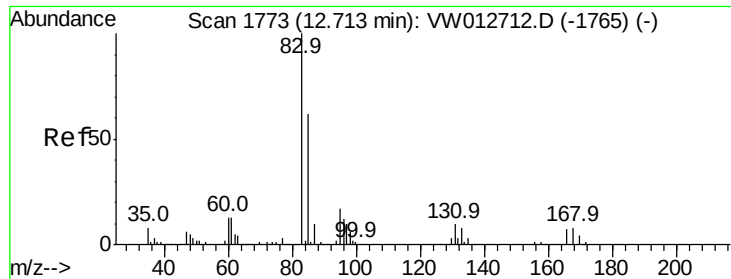
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.501 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

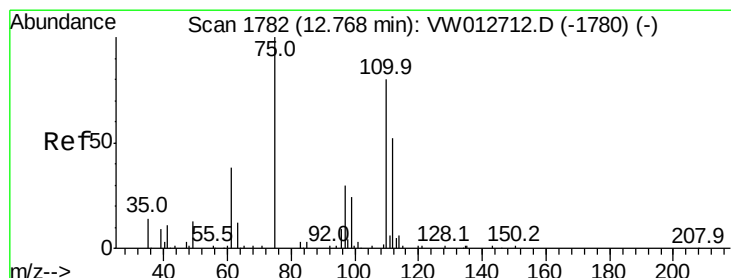
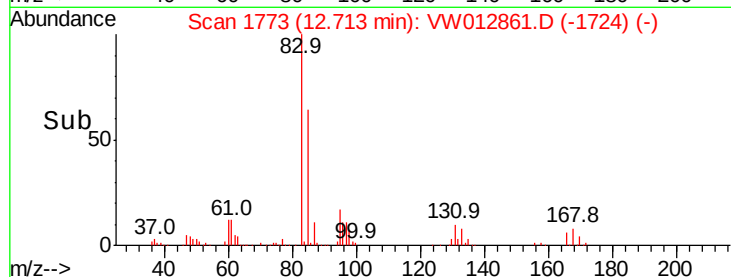
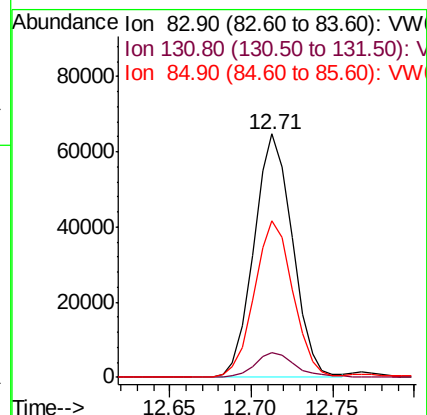
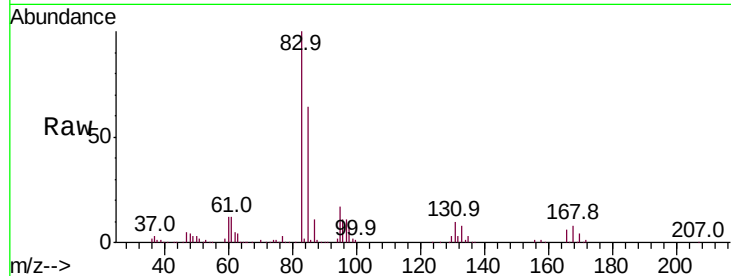
Tot Ion: 83 Resp: 106054

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.4

85 64.5 31.4 94.2



#76

1,2,3-Trichloropropane

Concen: 89.139 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012861.D

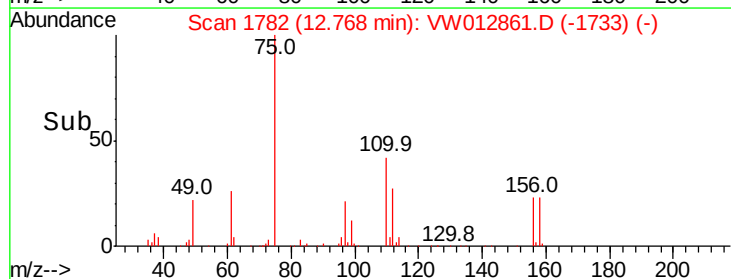
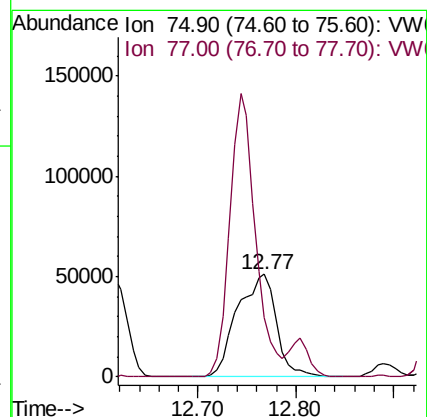
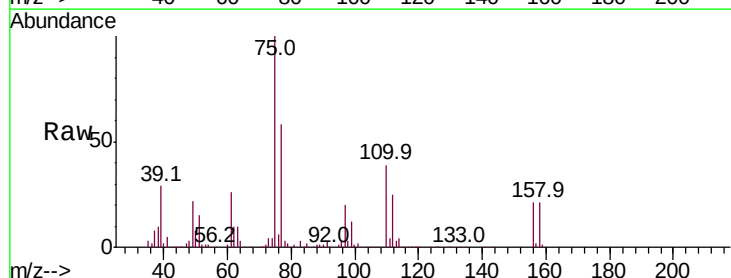
Acq: 10 Sep 2019 10:52

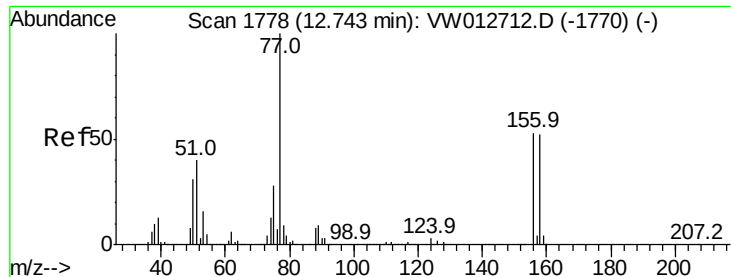
Tgt Ion: 75 Resp: 141283

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.450 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

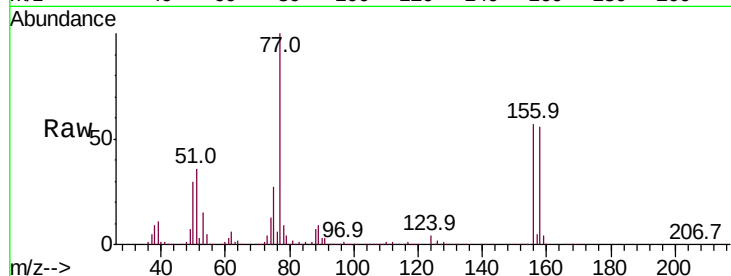
Tot Ion:156 Resp: 134624

Ion Ratio Lower Upper

156 100

77 191.5 102.3 306.9

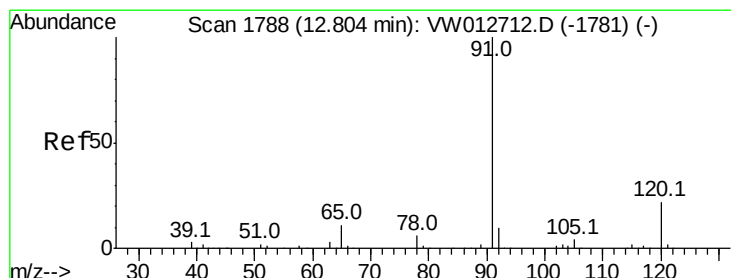
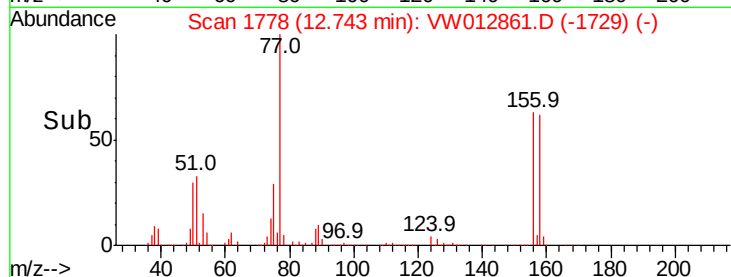
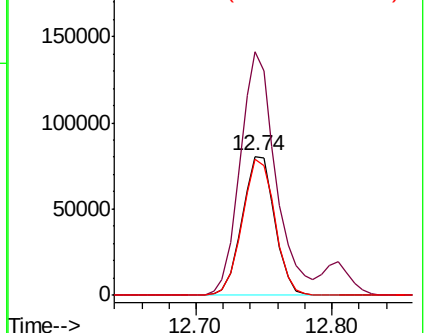
158 98.1 48.9 146.8



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: 51.844 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012861.D

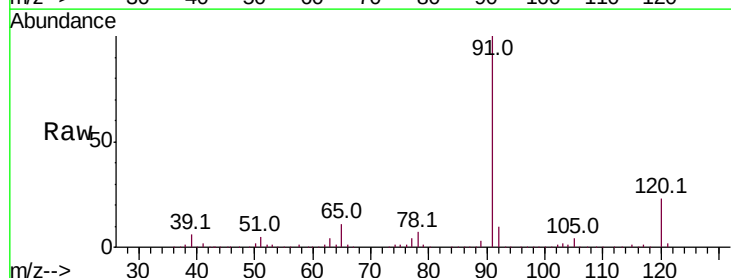
Acq: 10 Sep 2019 10:52

Tgt Ion: 91 Resp: 689332

Ion Ratio Lower Upper

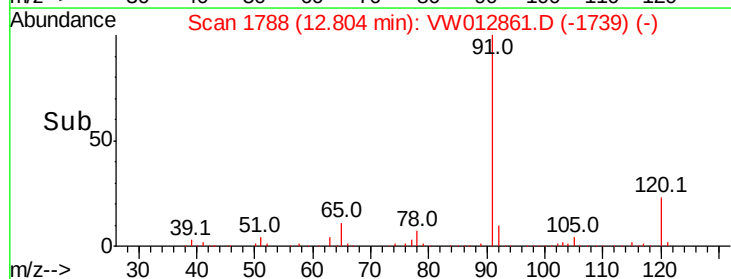
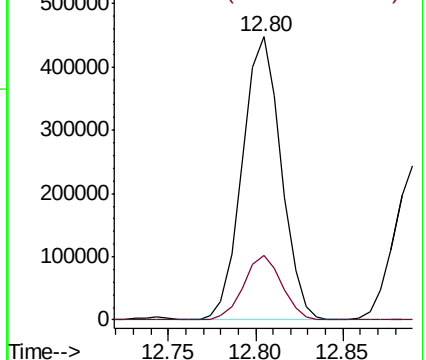
91 100

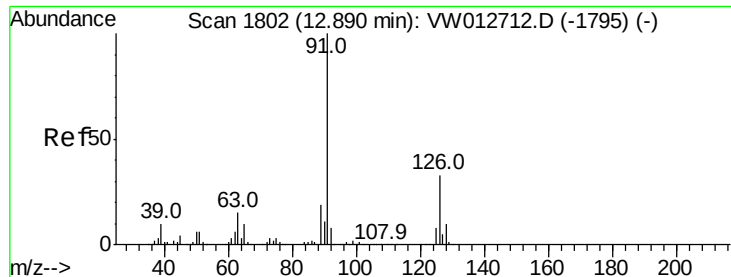
120 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

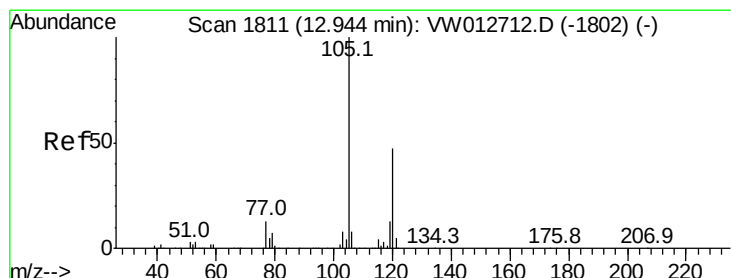
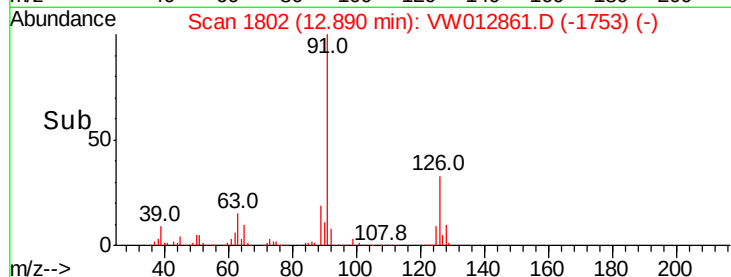
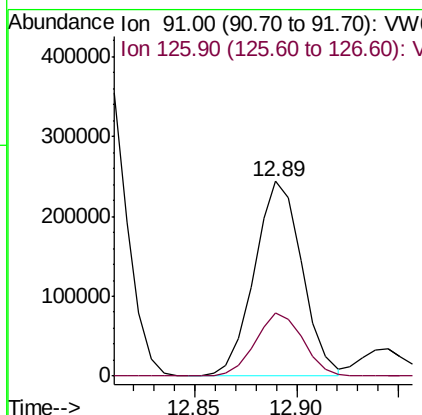
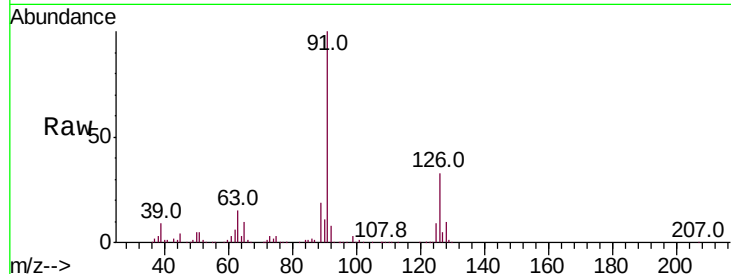




#79
 2-Chlorotoluene
 Concen: 51.871 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

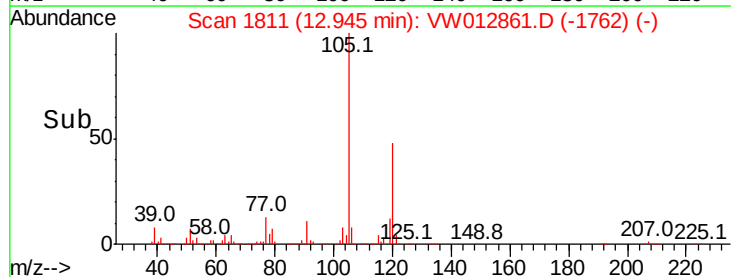
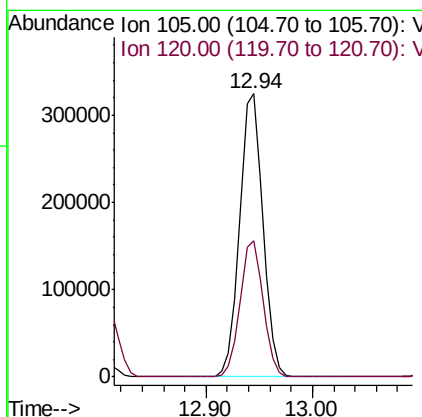
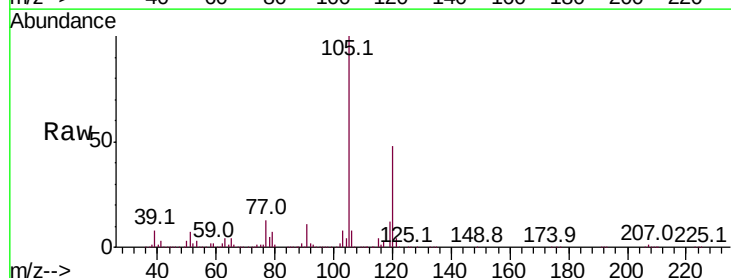
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

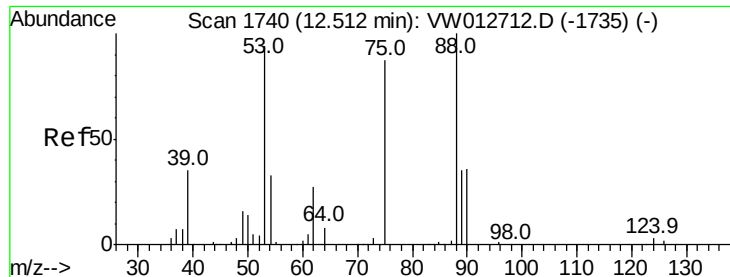
Tot Ion: 91 Resp: 395928
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 53.148 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion:105 Resp: 497881
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.699 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

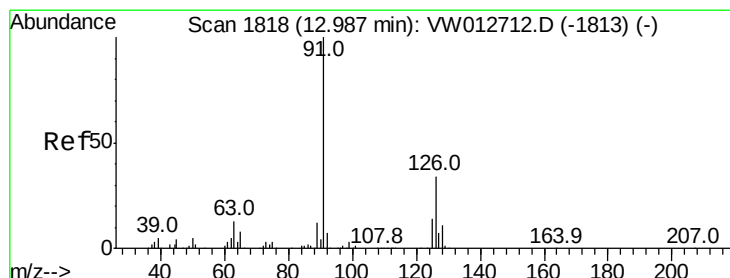
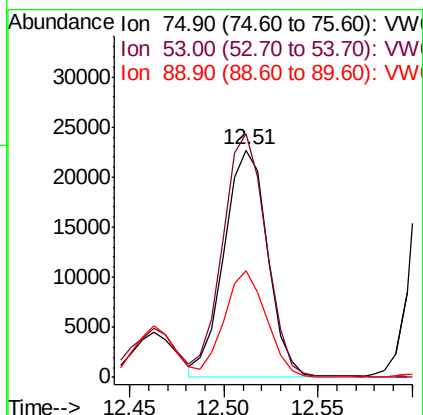
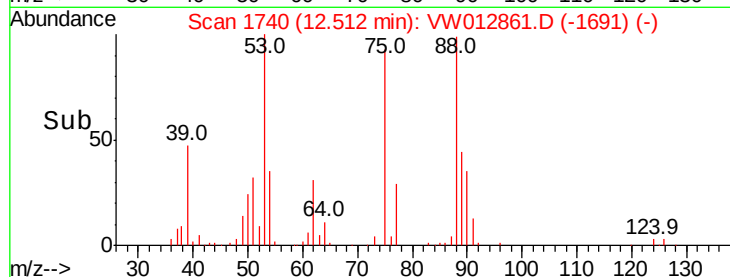
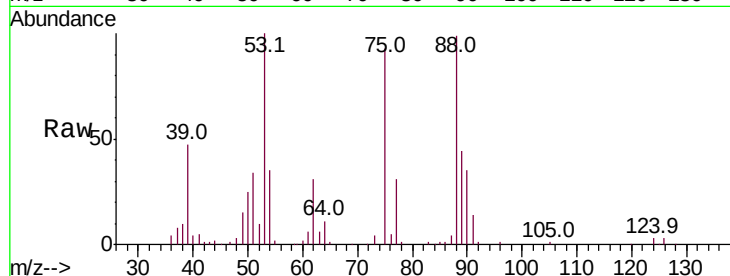
Tot Ion: 75 Resp: 36494

Ion Ratio Lower Upper

75 100

53 106.3 87.6 131.4

89 44.9 35.5 53.3



#82

4-Chlorotoluene

Concen: 51.867 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012861.D

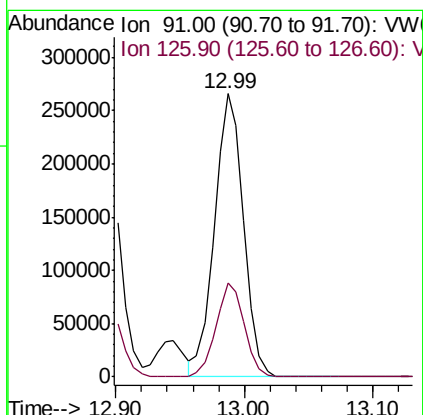
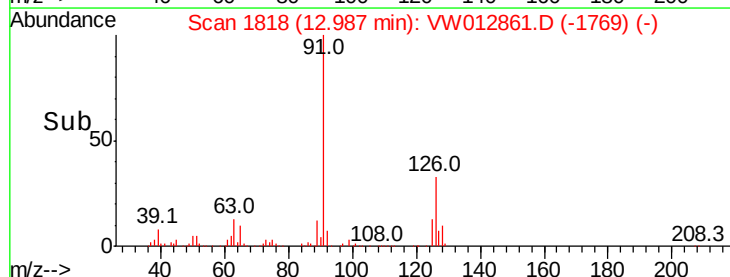
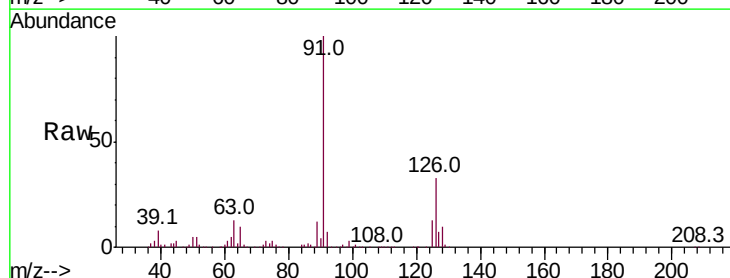
Acq: 10 Sep 2019 10:52

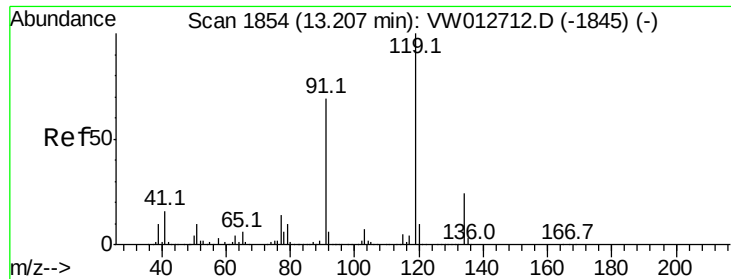
Tgt Ion: 91 Resp: 418766

Ion Ratio Lower Upper

91 100

126 32.6 15.9 47.6

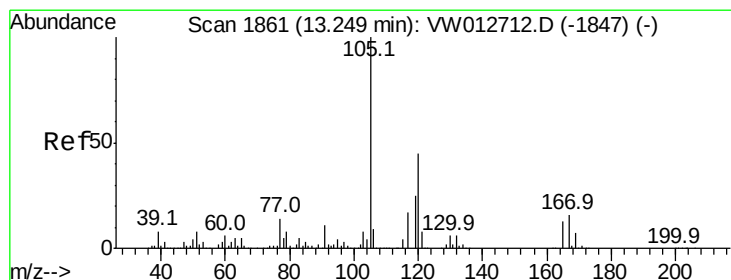
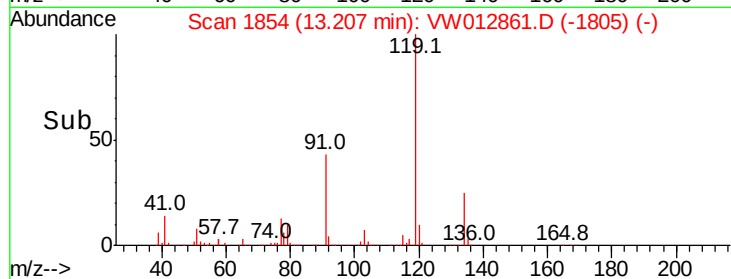
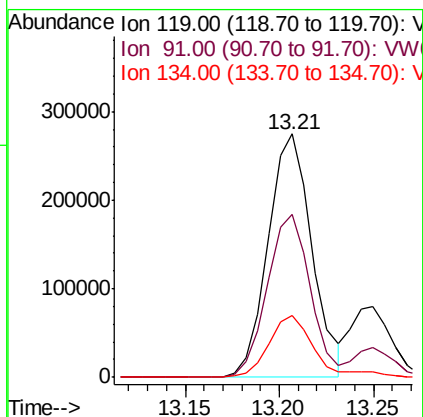
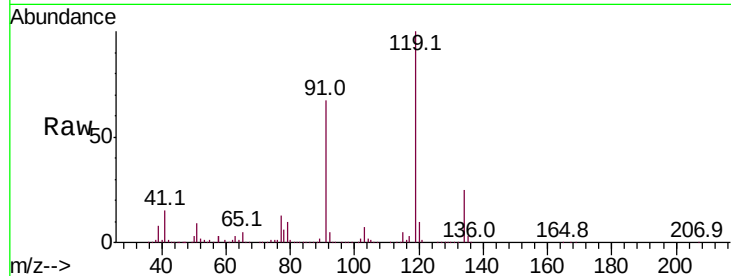




#83
 tert-Butylbenzene
 Concen: 53.629 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

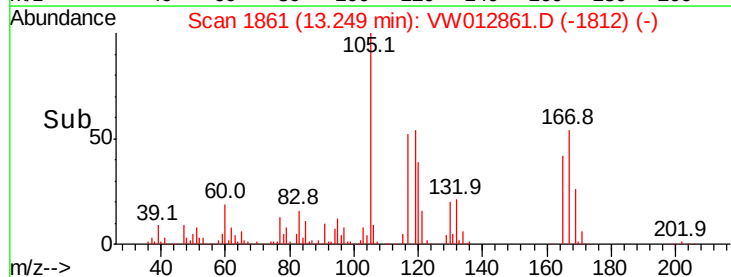
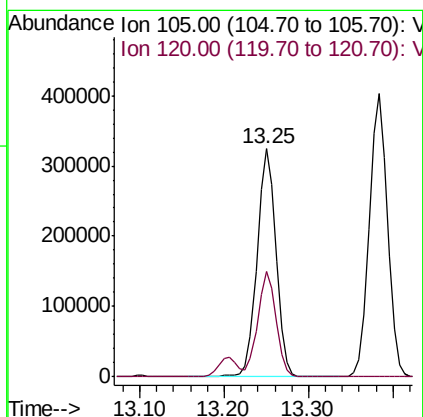
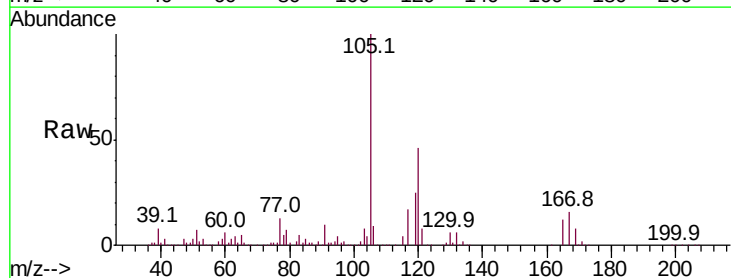
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

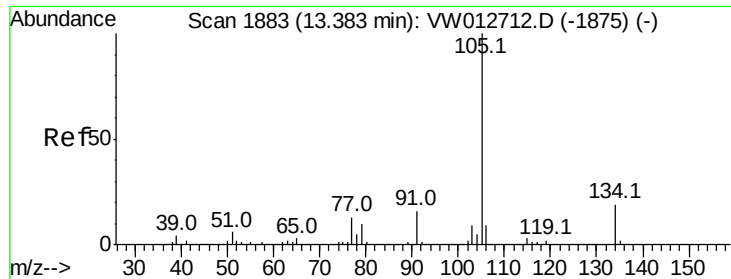
Tot Ion:119 Resp: 444213
 Ion Ratio Lower Upper
 119 100
 91 65.7 34.2 102.5
 134 26.5 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.782 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion:105 Resp: 498224
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.3





#85

sec-Butylbenzene

Concen: 52.665 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

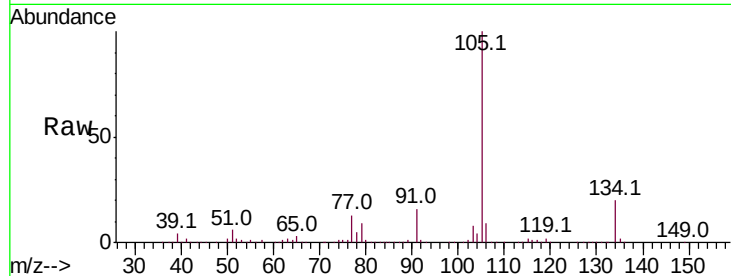
VSTDCCC050

Tot Ion:105 Resp: 605331

Ion Ratio Lower Upper

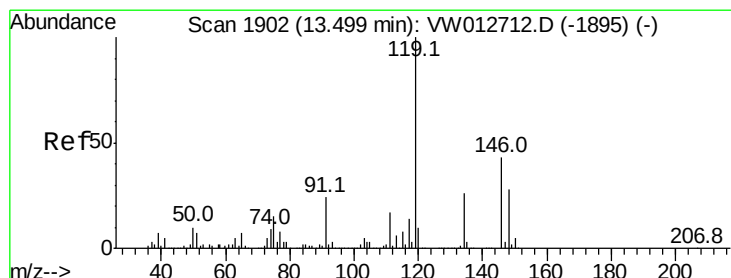
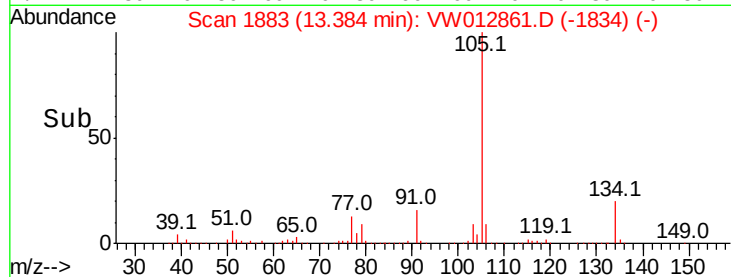
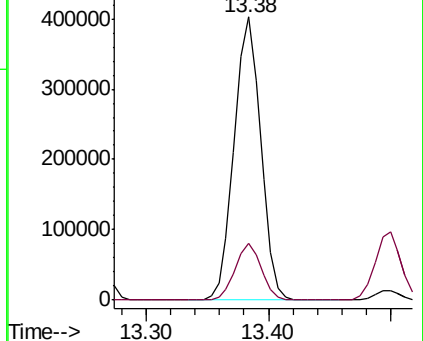
105 100

134 19.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.087 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

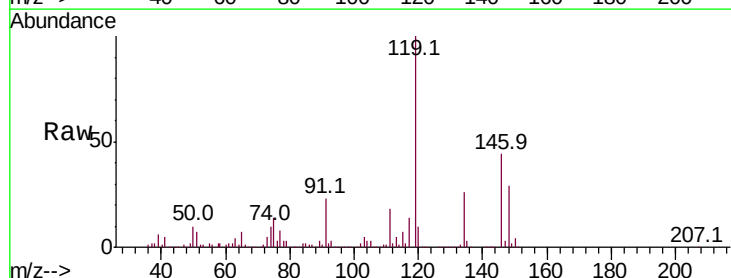
Tgt Ion:119 Resp: 557349

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

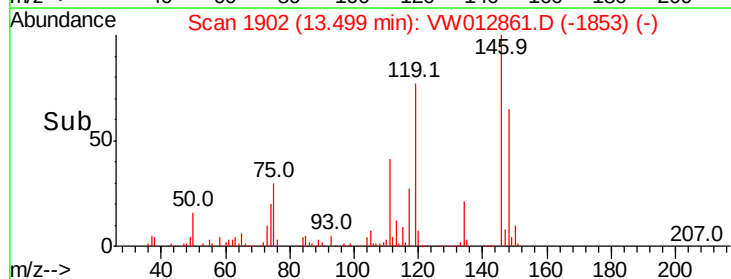
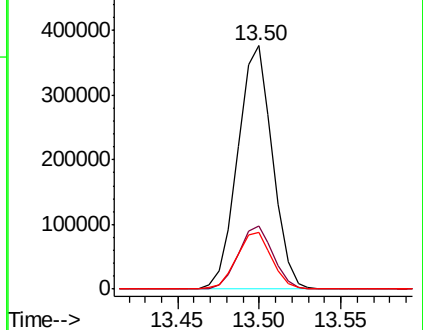
91 23.4 12.2 36.6

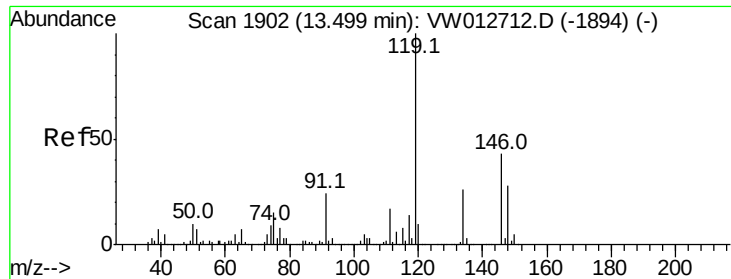


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

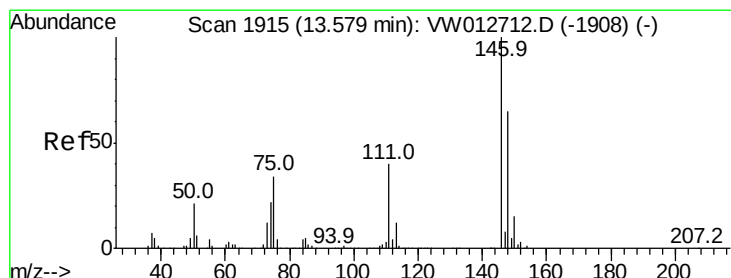
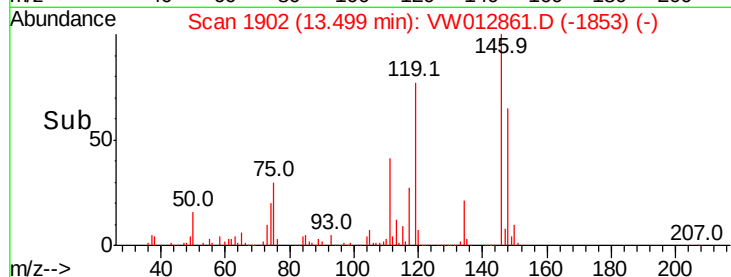
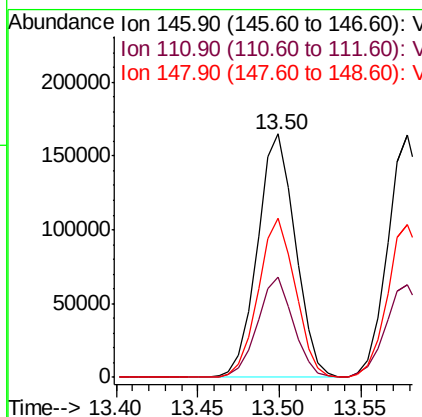
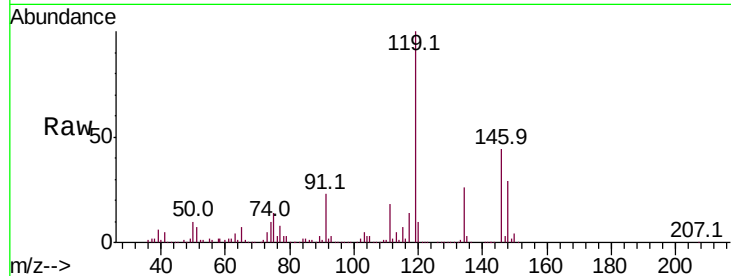




#87
 1,3-Dichlorobenzene
 Concen: 53.396 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

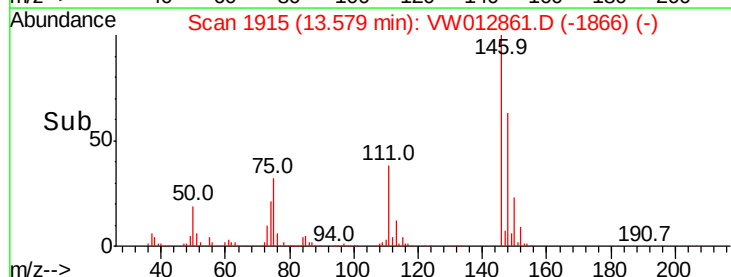
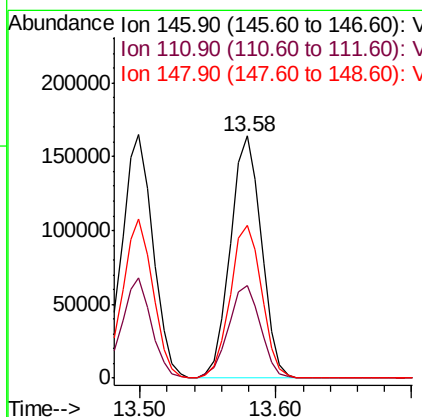
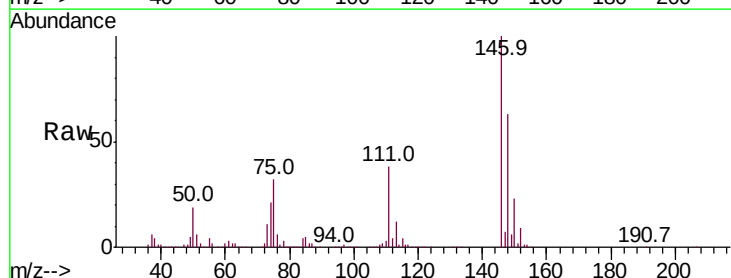
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

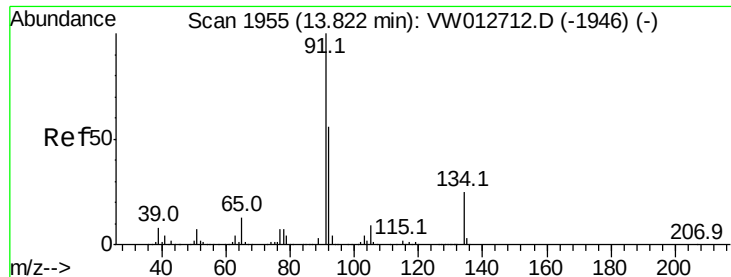
Tot Ion:146 Resp: 264345
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.4 61.2
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.815 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion:146 Resp: 260179
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 60.0
 148 64.2 32.2 96.6

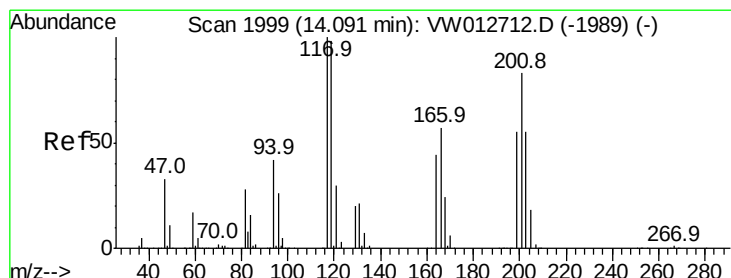
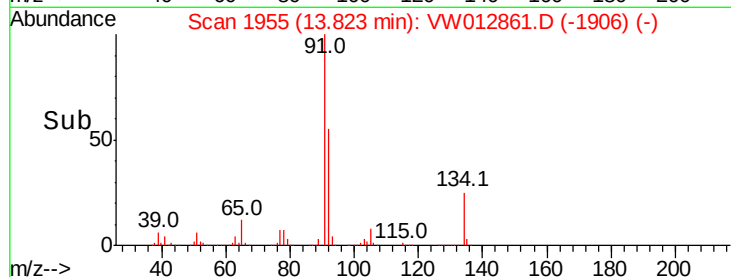
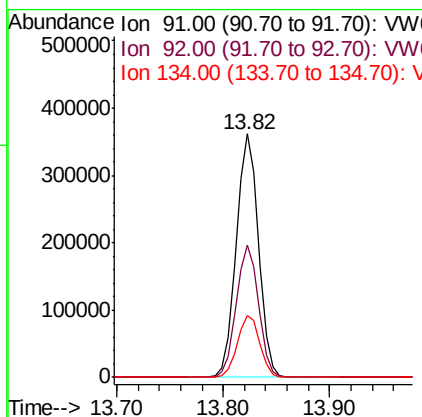
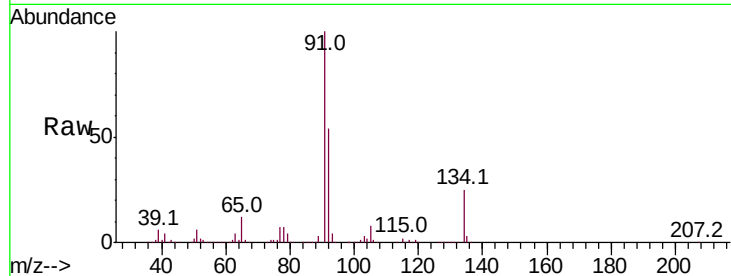




#89
n-Butylbenzene
Concen: 52.057 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

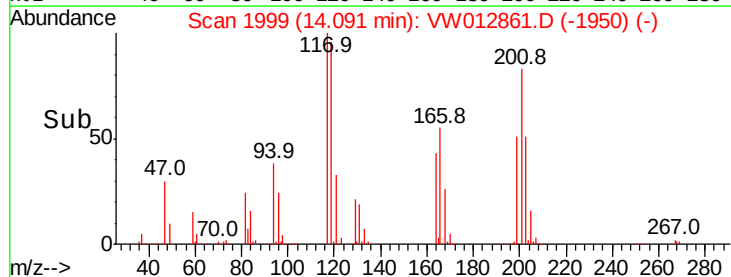
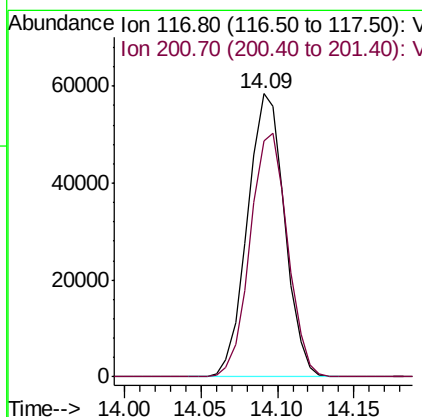
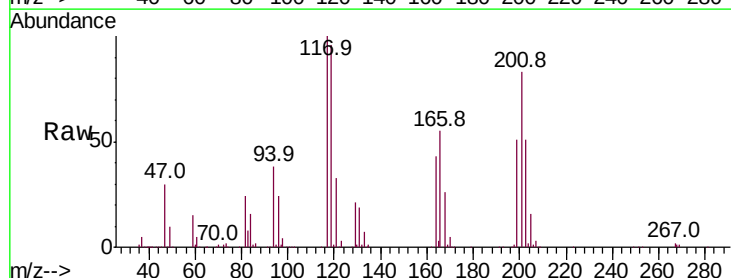
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

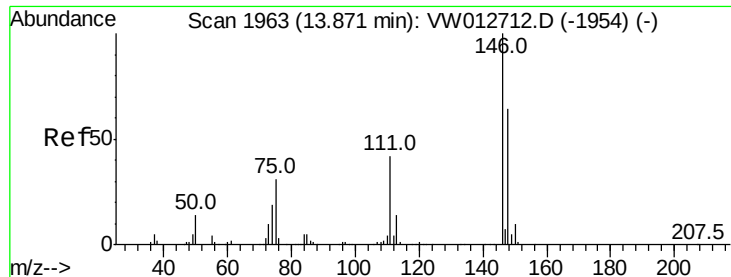
Tot Ion: 91 Resp: 530592
Ion Ratio Lower Upper
91 100
92 54.6 27.2 81.5
134 25.7 12.7 38.1



#90
Hexachloroethane
Concen: 53.933 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 117 Resp: 98849
Ion Ratio Lower Upper
117 100
201 86.7 42.8 128.4

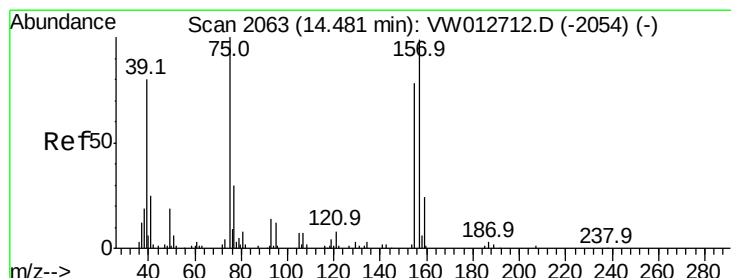
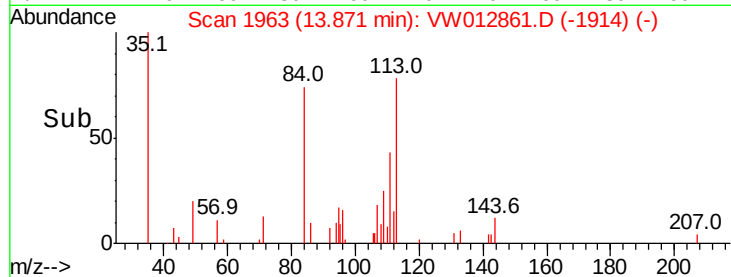
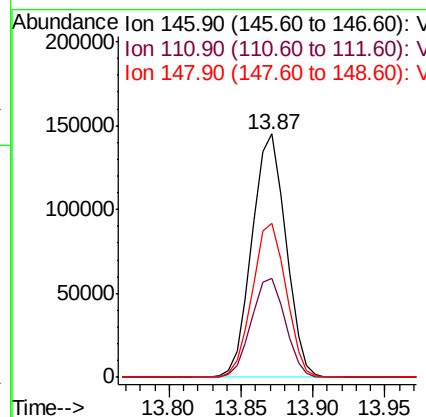
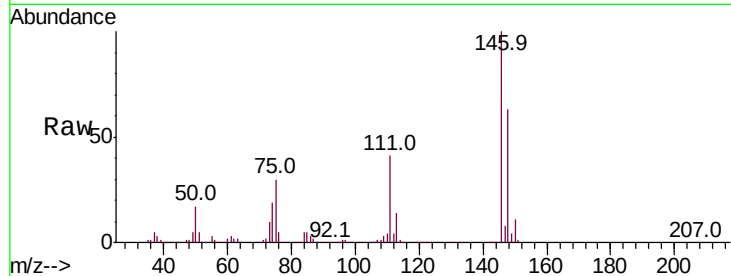




#91
 1,2-Dichlorobenzene
 Concen: 52.891 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

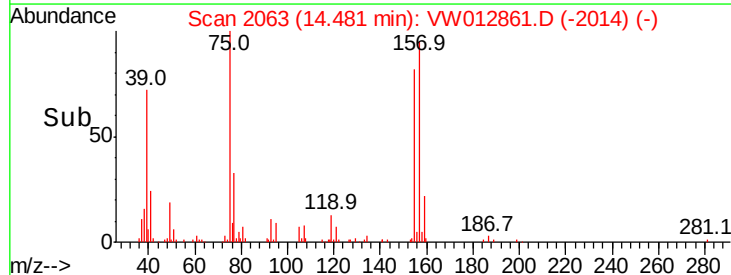
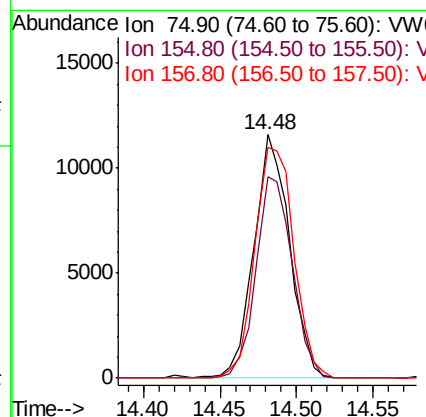
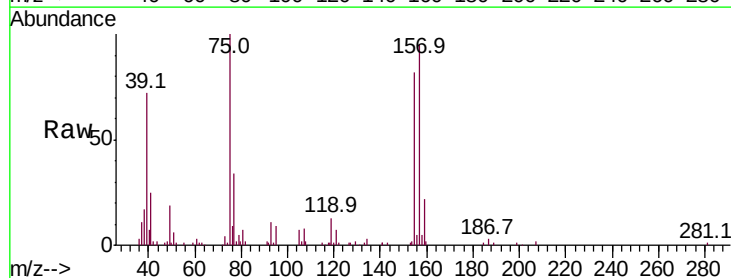
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

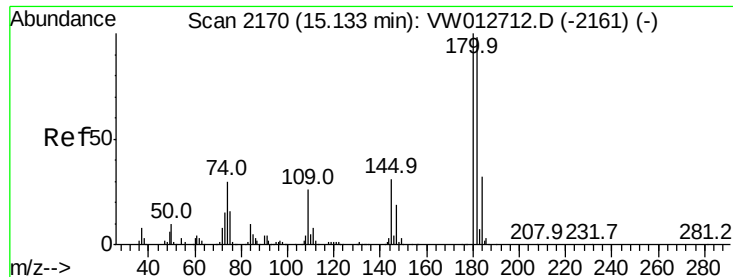
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.3	63.9
148	63.6	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.914 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	40.6	122.0
157	104.0	52.5	157.5

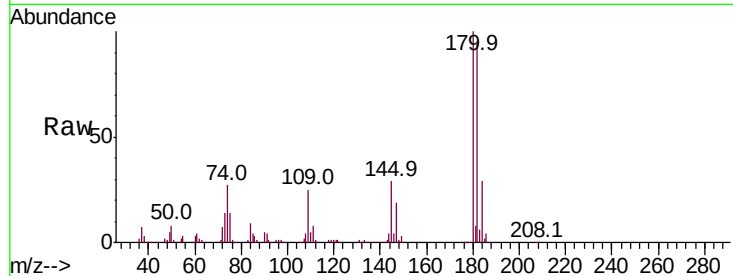




#93
 1,2,4-Trichlorobenzene
 Concen: 57.552 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.7	146.1
145	28.9	15.0	45.1

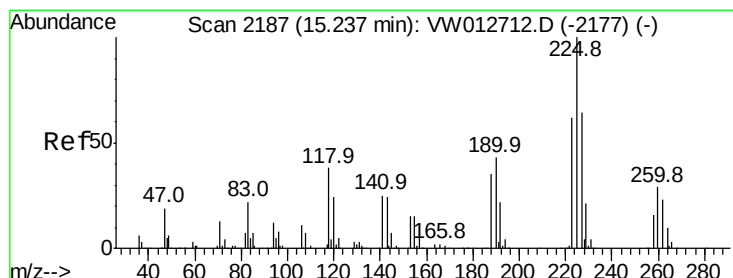
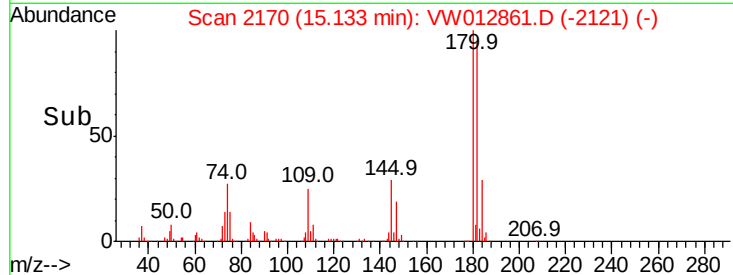
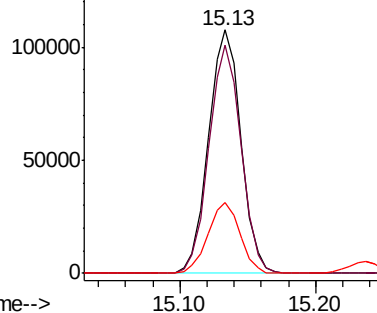


Abundance

Ion 179.80 (179.50 to 180.50): V

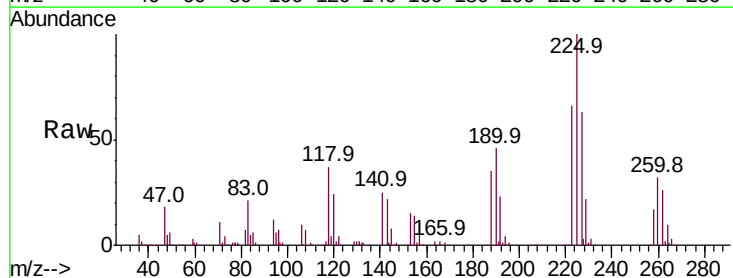
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.102 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.3
227	63.9	31.4	94.2

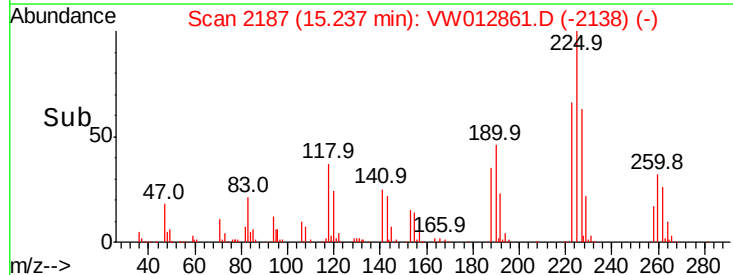
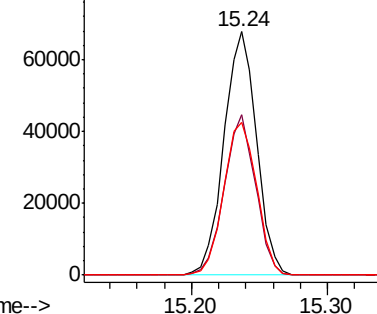


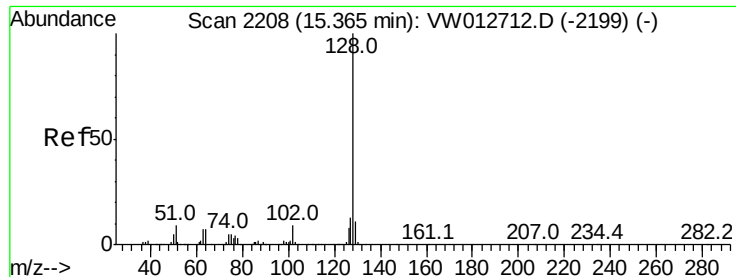
Abundance

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

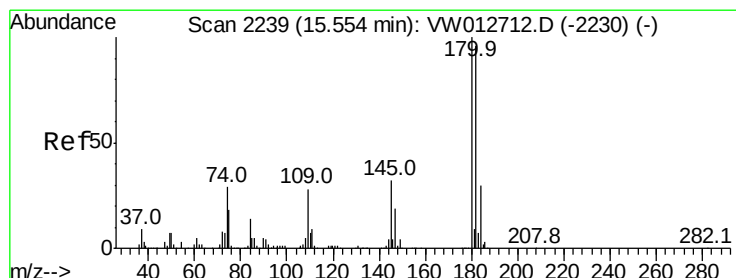
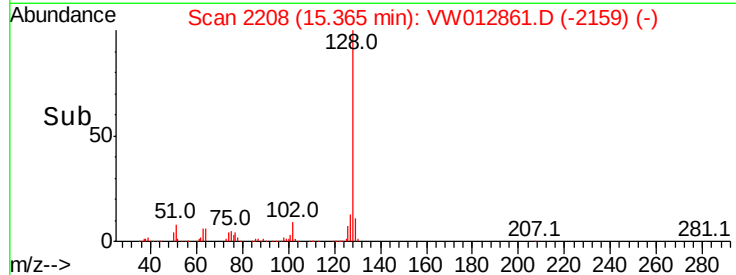
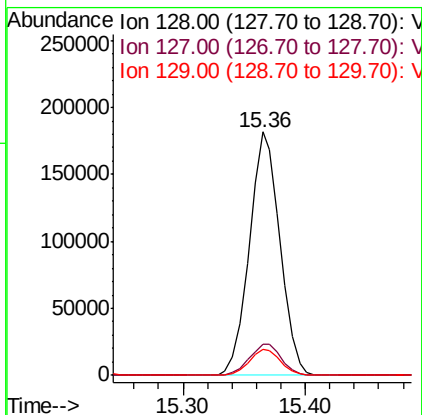
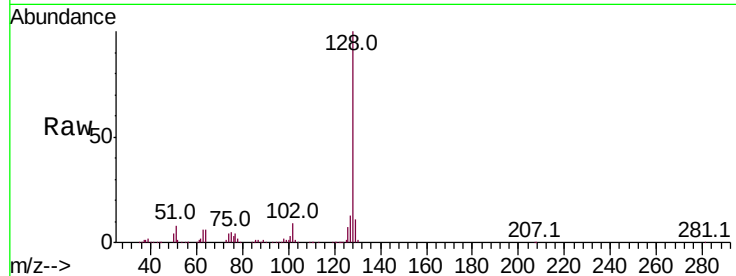




#95
Naphthalene
Concen: 48.736 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.469 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	30.6	15.4	46.2

