

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012863.D
 Acq On : 10 Sep 2019 12:05
 Operator : SY/VA
 Sample : VW0910SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

Quant Time: Sep 10 15:01:55 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	7.94	168	235737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	119248	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
35) Dibromofluoromethane	7.88	113	99847	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.32	98	417451	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.62	95	145695	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	26724	20.911	ug/l	92
3) Chloromethane	2.21	50	33955	21.862	ug/l	93
4) Vinyl Chloride	2.35	62	40338	21.182	ug/l	98
5) Bromomethane	2.71	94	22092	21.364	ug/l	96
6) Chloroethane	2.84	64	22995	20.235	ug/l	95
7) Trichlorofluoromethane	3.20	101	26091	19.854	ug/l	91
8) Diethyl Ether	3.67	74	20325	18.402	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	39211	19.013	ug/l	95
10) Methyl Iodide	4.25	142	51131	19.695	ug/l	97
11) Tert butyl alcohol	5.18	59	12020	59.645	ug/l	97
12) 1,1-Dichloroethene	4.02	96	36879	18.944	ug/l	89
13) Acrolein	3.88	56	18102	84.646	ug/l	99
14) Allyl chloride	4.65	41	69161	17.174	ug/l	99
15) Acrylonitrile	5.35	53	51491	79.817	ug/l	99
16) Acetone	4.11	43	50713	70.624	ug/l	99
17) Carbon Disulfide	4.35	76	74720	18.082	ug/l	99
18) Methyl Acetate	4.65	43	26927	15.983	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	73840	19.125	ug/l	100
20) Methylene Chloride	4.90	84	42917	19.104	ug/l	95
21) trans-1,2-Dichloroethene	5.40	96	39012	19.640	ug/l	96
22) Diisopropyl ether	6.30	45	146248	18.310	ug/l	96
23) Vinyl Acetate	6.24	43	430123	84.972	ug/l	99
24) 1,1-Dichloroethane	6.20	63	80247	18.659	ug/l	98
25) 2-Butanone	7.16	43	72325	82.701	ug/l	98
26) 2,2-Dichloropropane	7.16	77	51042	18.791	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	45576	19.788	ug/l	96
28) Bromochloromethane	7.50	49	31071	15.734	ug/l	88
29) Tetrahydrofuran	7.52	42	45093	77.764	ug/l	95
30) Chloroform	7.66	83	80124	18.798	ug/l	96
31) Cyclohexane	7.95	56	73915	19.091	ug/l	# 88
32) 1,1,1-Trichloroethane	7.87	97	64778	18.749	ug/l	98
36) 1,1-Dichloropropene	8.07	75	60568	19.656	ug/l	96
37) Ethyl Acetate	7.25	43	31195	15.881	ug/l	97
38) Carbon Tetrachloride	8.06	117	57665	18.984	ug/l	94

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VW0910SBS01

Quant Time: Sep 10 15:01:55 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)
39) Methylcyclohexane	9.33	83	70559	20.388	ug/l	98
40) Benzene	8.32	78	168718	19.734	ug/l	99
41) Methacrylonitrile	7.48	41	18717	16.780	ug/l	91
42) 1,2-Dichloroethane	8.39	62	54846	18.228	ug/l	99
43) Isopropyl Acetate	8.42	43	59743	16.053	ug/l	96
44) Trichloroethene	9.09	130	45055	20.444	ug/l	97
45) 1,2-Dichloropropane	9.37	63	44711	18.856	ug/l	97
46) Dibromomethane	9.46	93	21078	18.772	ug/l	96
47) Bromodichloromethane	9.64	83	54534	17.653	ug/l	96
48) Methyl methacrylate	9.43	41	28390	15.963	ug/l	98
49) 1,4-Dioxane	9.45	88	5979	269.571	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	158027	80.924	ug/l	99
52) Toluene	10.38	92	106740	20.004	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	57208	18.009	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	66087	18.339	ug/l	98
55) 1,1,2-Trichloroethane	10.78	97	32025	19.051	ug/l	100
56) Ethyl methacrylate	10.64	69	44254	17.984	ug/l	94
57) 1,3-Dichloropropane	10.93	76	56475	18.160	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	116862	89.457	ug/l	97
59) 2-Hexanone	10.96	43	108871	76.311	ug/l	98
60) Dibromochloromethane	11.13	129	35739	18.077	ug/l	100
61) 1,2-Dibromoethane	11.23	107	29568	19.185	ug/l	98
64) Tetrachloroethene	10.86	164	37674	20.481	ug/l	98
65) Chlorobenzene	11.65	112	114182	19.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	40681	19.066	ug/l	98
67) Ethyl Benzene	11.73	91	216474	20.137	ug/l	98
68) m/p-Xylenes	11.83	106	159205	41.029	ug/l	96
69) o-Xylene	12.16	106	75237	20.552	ug/l	94
70) Styrene	12.18	104	129919	20.084	ug/l	98
71) Bromoform	12.35	173	20757	17.509	ug/l #	98
73) Isopropylbenzene	12.46	105	213953	19.878	ug/l	100
74) N-amyl acetate	12.27	43	55461	16.234	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	35753	16.540	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	49171	32.044	ug/l #	100
77) Bromobenzene	12.74	156	48531	19.902	ug/l	94
78) n-propylbenzene	12.80	91	255814	19.872	ug/l	100
79) 2-Chlorotoluene	12.89	91	145441	19.681	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	181012	19.958	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11648	16.055	ug/l	97
82) 4-Chlorotoluene	12.99	91	152014	19.447	ug/l	97
83) tert-Butylbenzene	13.21	119	162280	20.236	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	184836	20.226	ug/l	100
85) sec-Butylbenzene	13.38	105	219609	19.735	ug/l	98
86) p-Isopropyltoluene	13.49	119	203969	20.067	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	96183	20.067	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	94554	19.825	ug/l	98
89) n-Butylbenzene	13.82	91	195744	19.836	ug/l	99
90) Hexachloroethane	14.09	117	32677	18.415	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	83490	19.353	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6168	15.592	ug/l	95

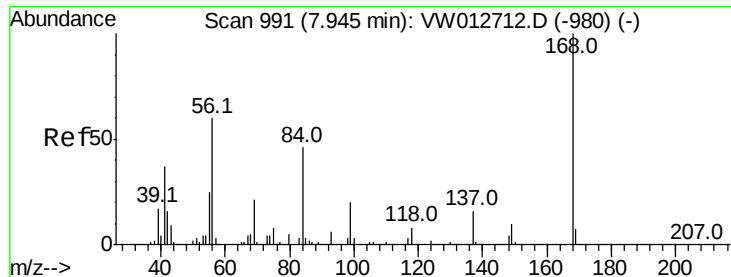
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091019\
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Operator : SY/VA
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ClientSampleId :
VW0910SBS01

Quant Time: Sep 10 15:01:55 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.13	180	62779	20.902	ug/l	98
94) Hexachlorobutadiene	15.23	225	43060	20.713	ug/l	97
95) Naphthalene	15.36	128	101709	19.159	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	54938	20.722	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

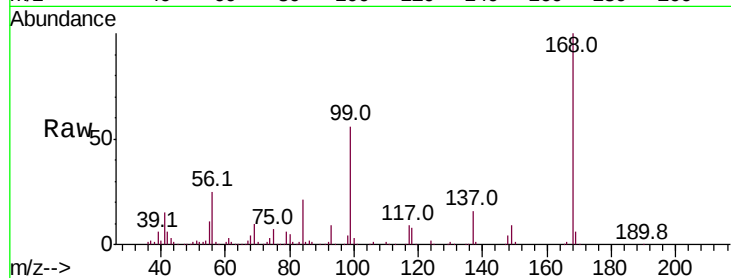
VW0910SBS01

Tot Ion:168 Resp: 235737

Ion Ratio Lower Upper

168 100

99 55.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

120000

100000

80000

60000

40000

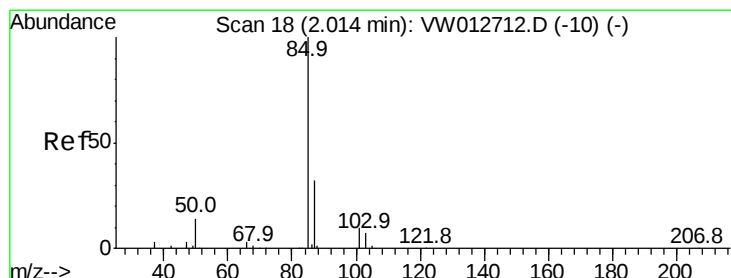
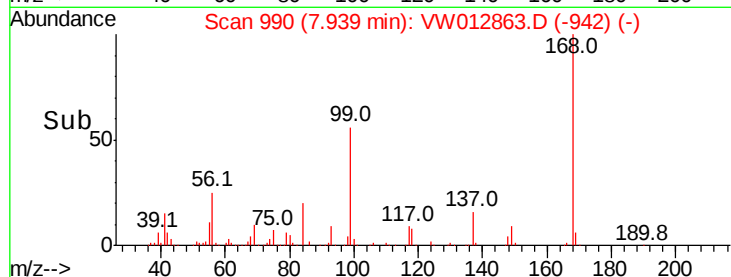
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.911 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012863.D

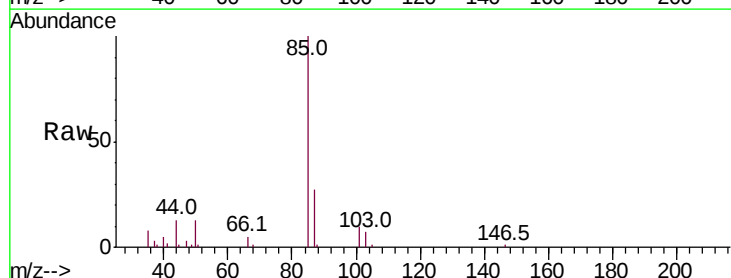
Acq: 10 Sep 2019 12:05

Tgt Ion: 85 Resp: 26724

Ion Ratio Lower Upper

85 100

87 26.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

4000

2000

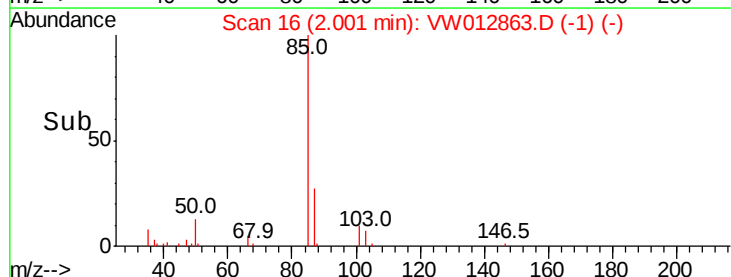
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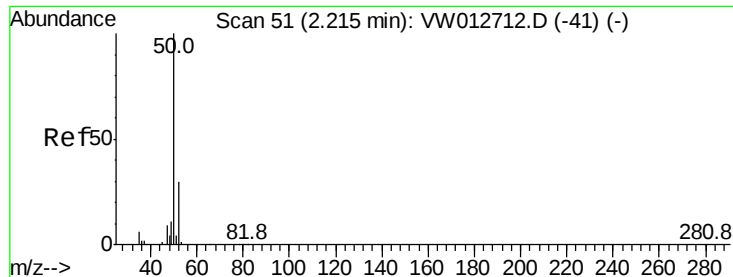
1.90

2.00

2.10

Time-->

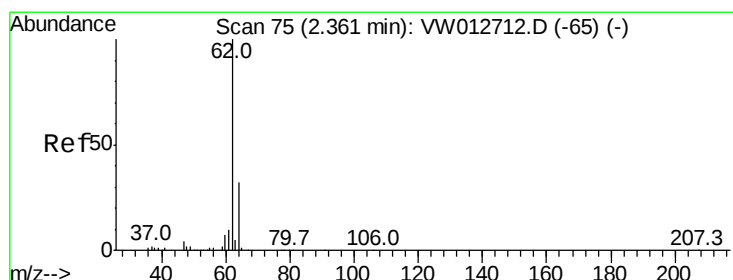
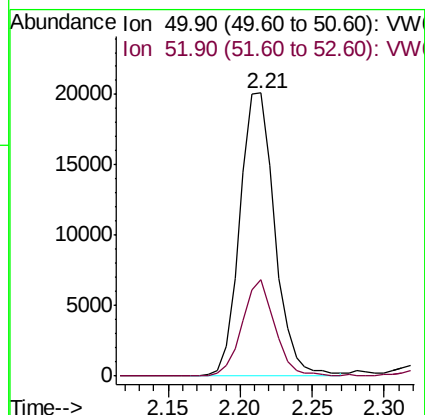
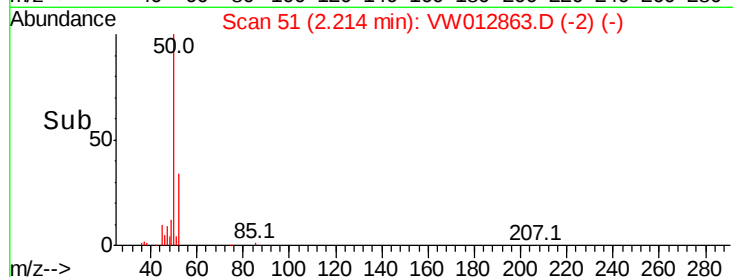
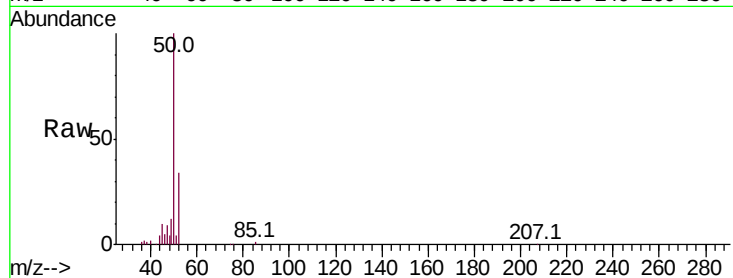




#3
Chloromethane
Concen: 21.862 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

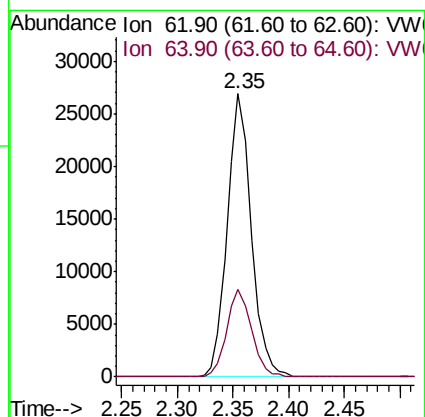
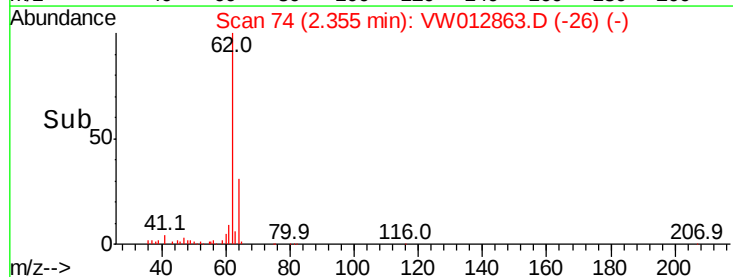
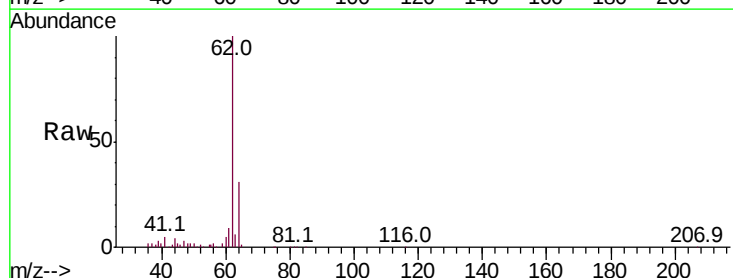
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

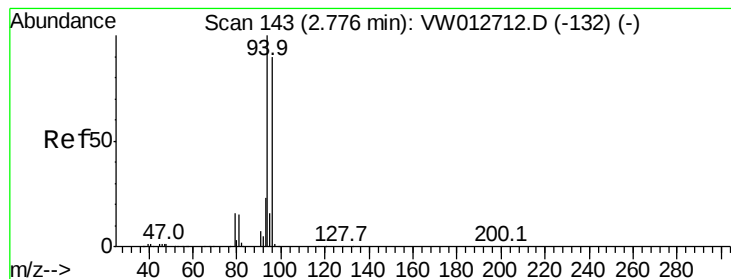
Tot Ion: 50 Resp: 33955
Ion Ratio Lower Upper
50 100
52 34.2 24.2 36.2



#4
Vinyl Chloride
Concen: 21.182 ug/l
RT: 2.35 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion: 62 Resp: 40338
Ion Ratio Lower Upper
62 100
64 30.7 25.3 37.9





#5

Bromomethane

Concen: 21.364 ug/l

RT: 2.71 min Scan# 132

Delta R.T. -0.07 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

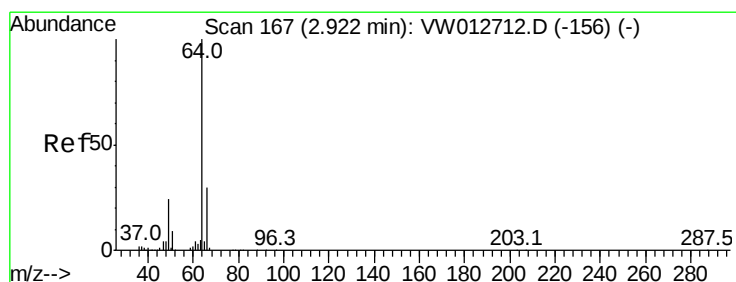
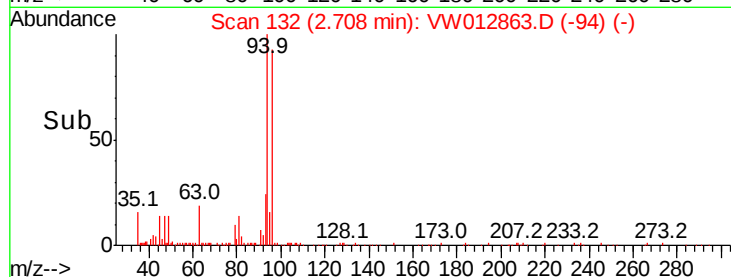
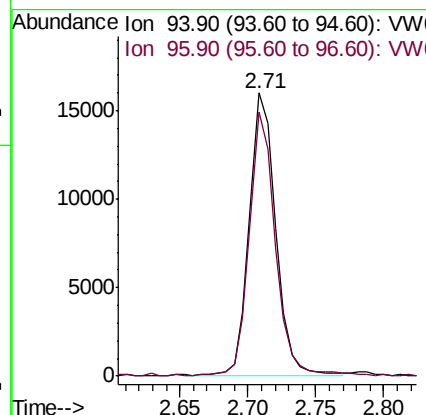
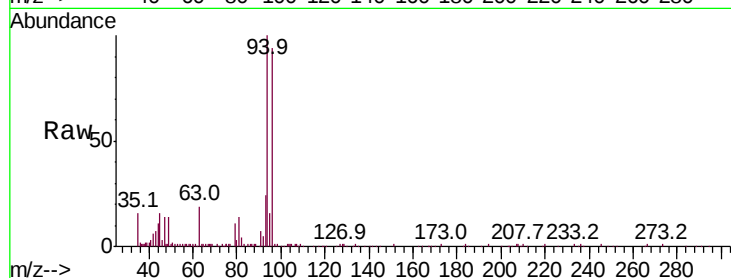
VW0910SBS01

Tot Ion: 94 Resp: 22092

Ion Ratio Lower Upper

94 100

96 93.6 72.1 108.1



#6

Chloroethane

Concen: 20.235 ug/l

RT: 2.84 min Scan# 153

Delta R.T. -0.09 min

Lab File: VW012863.D

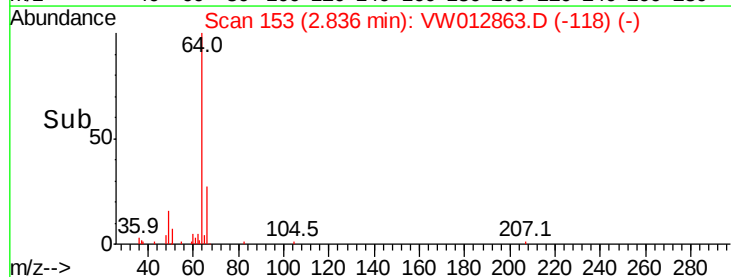
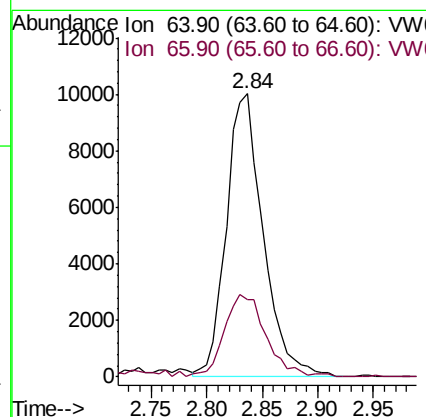
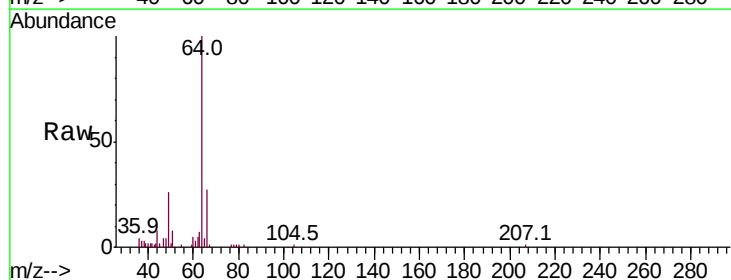
Acq: 10 Sep 2019 12:05

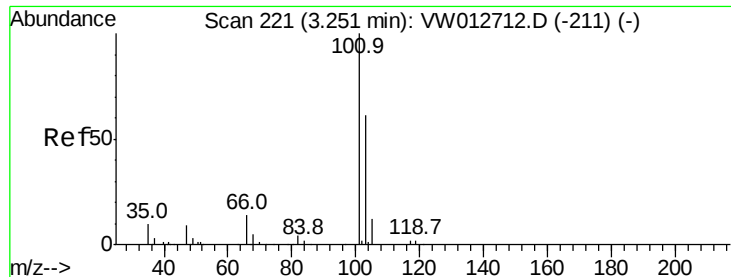
Tgt Ion: 64 Resp: 22995

Ion Ratio Lower Upper

64 100

66 27.2 23.8 35.6



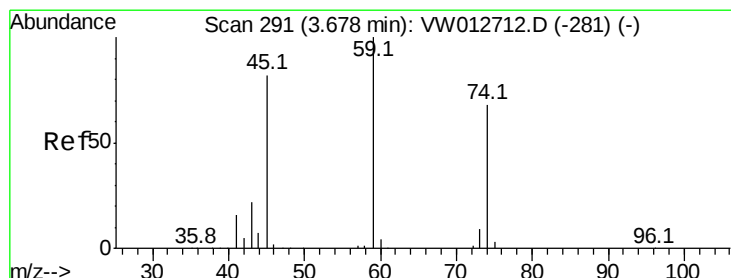
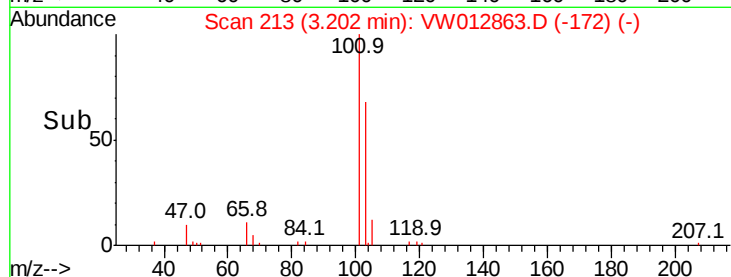
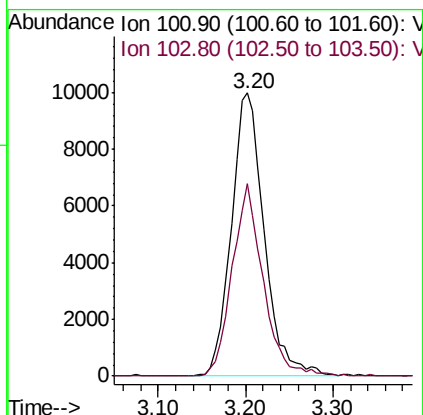
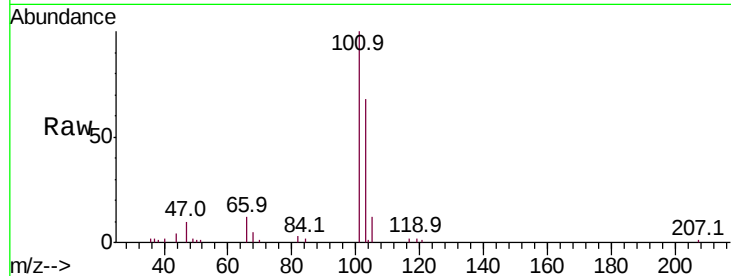


#7

Trichlorofluoromethane
 Concen: 19.854 ug/l
 RT: 3.20 min Scan# 213
 Delta R.T. -0.05 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

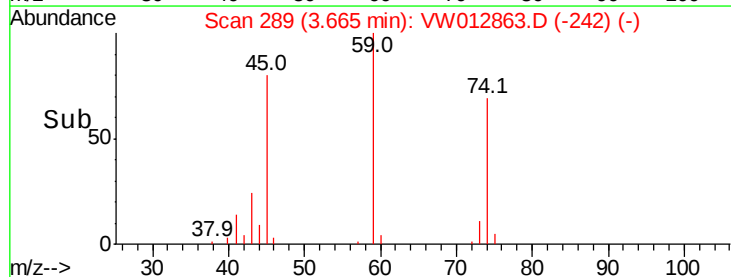
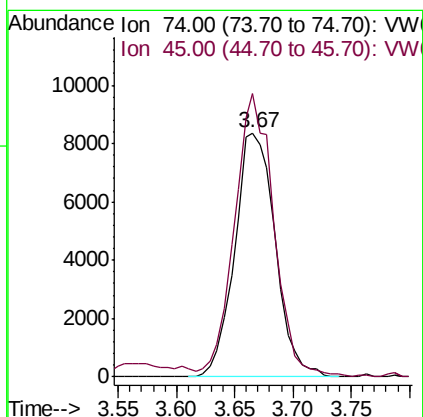
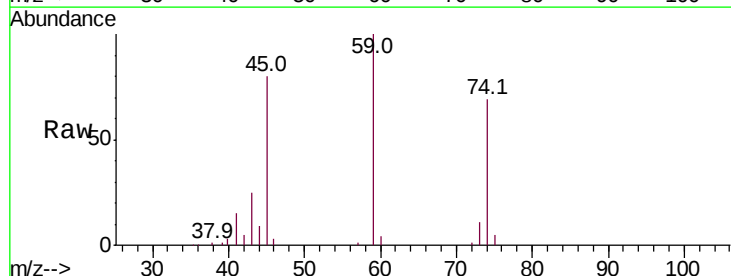
Tot Ion:101 Resp: 26091
 Ion Ratio Lower Upper
 101 100
 103 68.1 49.0 73.4

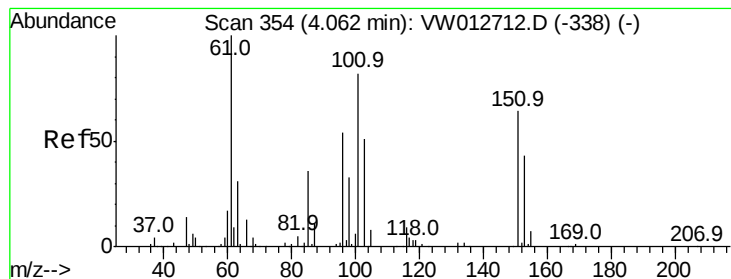


#8

Diethyl Ether
 Concen: 18.402 ug/l
 RT: 3.67 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion: 74 Resp: 20325
 Ion Ratio Lower Upper
 74 100
 45 112.8 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.013 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.02 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

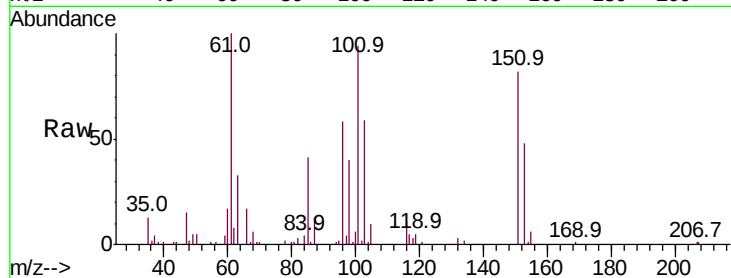
Tot Ion:101 Resp: 39211

Ion Ratio Lower Upper

101 100

85 45.7 36.2 54.2

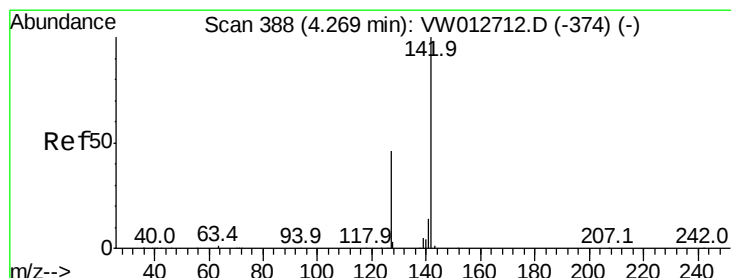
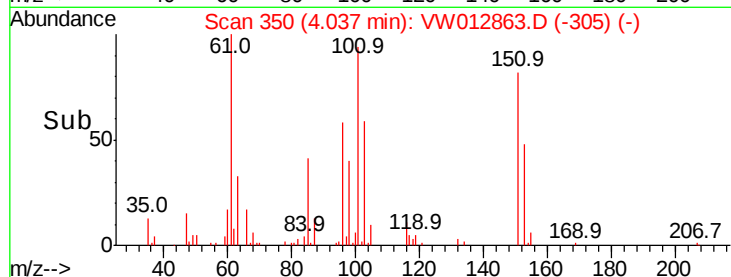
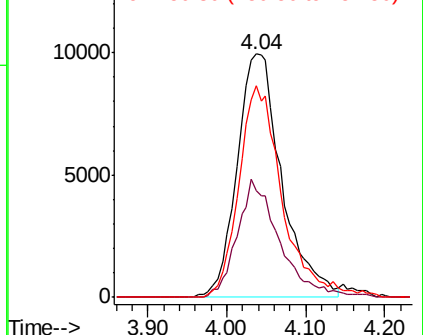
151 83.6 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.695 ug/l

RT: 4.25 min Scan# 385

Delta R.T. -0.02 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

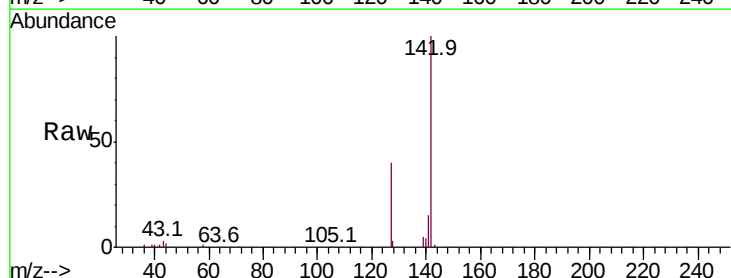
Tgt Ion:142 Resp: 51131

Ion Ratio Lower Upper

142 100

127 42.9 36.0 54.0

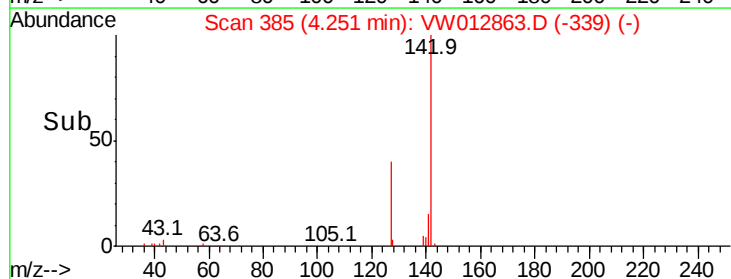
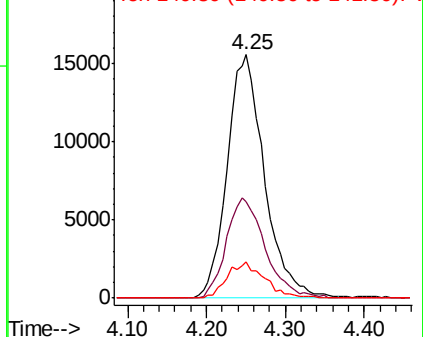
141 15.0 12.2 18.4

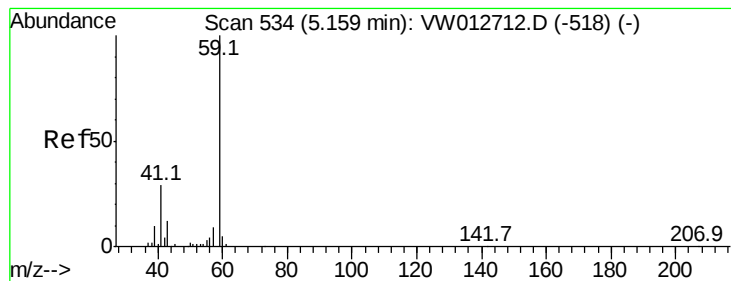


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



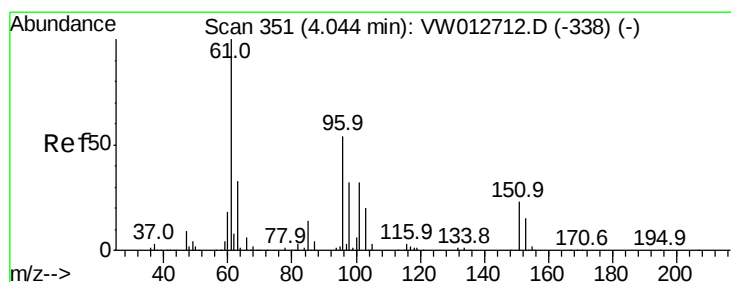
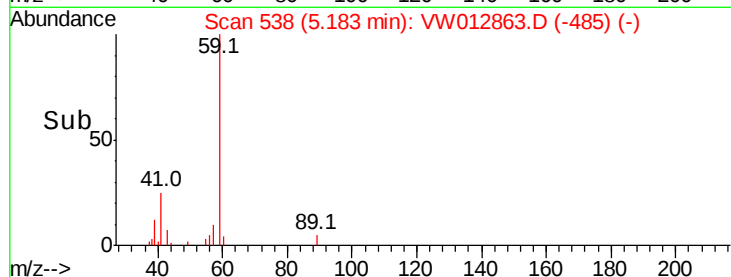
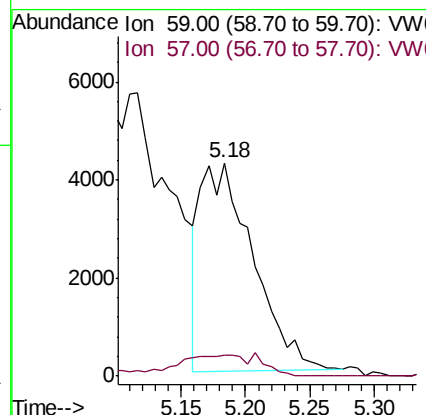
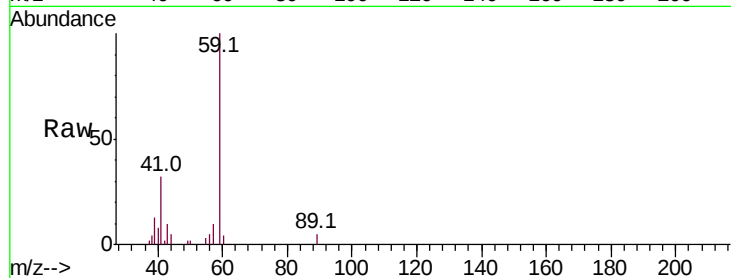


#11

Tert butyl alcohol
Concen: 59.645 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

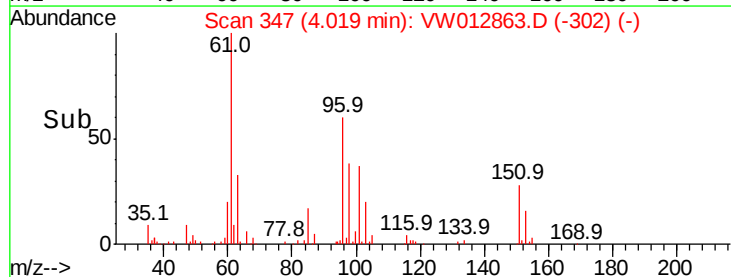
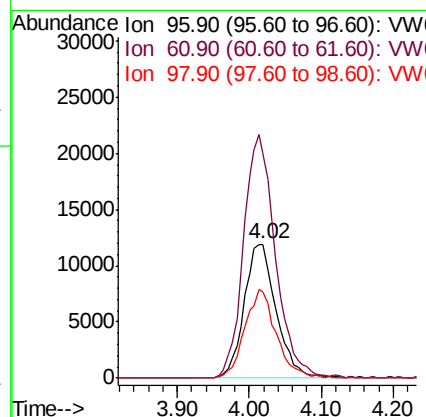
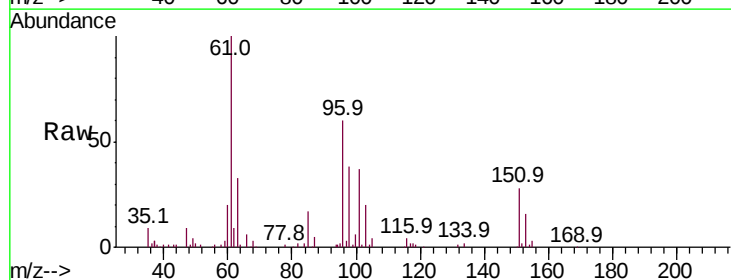
Tot Ion: 59 Resp: 12020
Ion Ratio Lower Upper
59 100
57 9.1 8.2 12.4

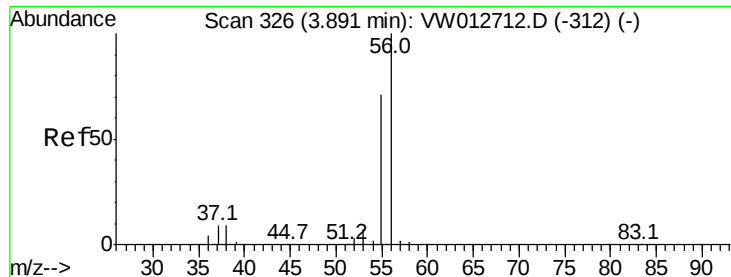


#12

1,1-Dichloroethene
Concen: 18.944 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.02 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion: 96 Resp: 36879
Ion Ratio Lower Upper
96 100
61 166.8 147.8 221.6
98 63.9 47.9 71.9





#13

Acrolein

Concen: 84.646 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

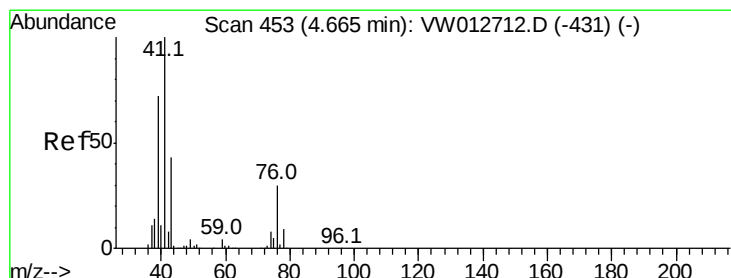
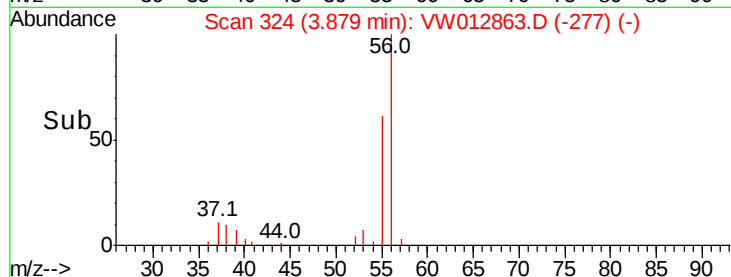
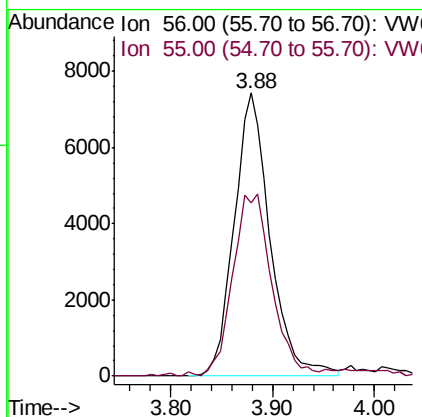
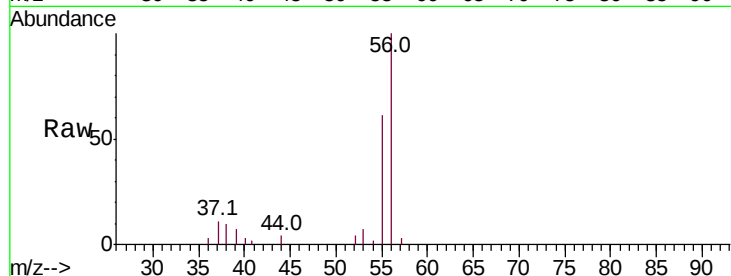
VW0910SBS01

Tot Ion: 56 Resp: 18102

Ion Ratio Lower Upper

56 100

55 70.3 56.9 85.3



#14

Allyl chloride

Concen: 17.174 ug/l

RT: 4.65 min Scan# 450

Delta R.T. -0.02 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

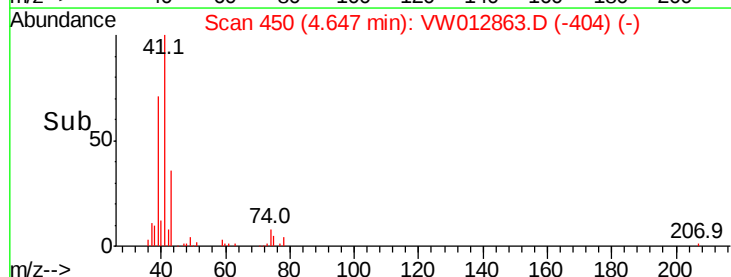
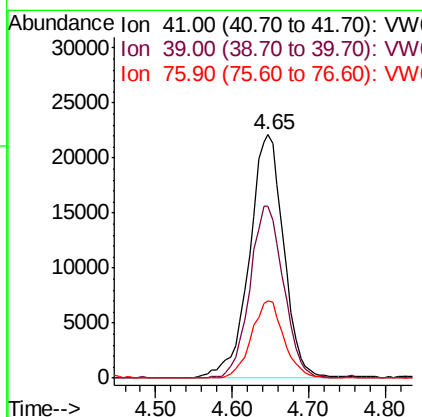
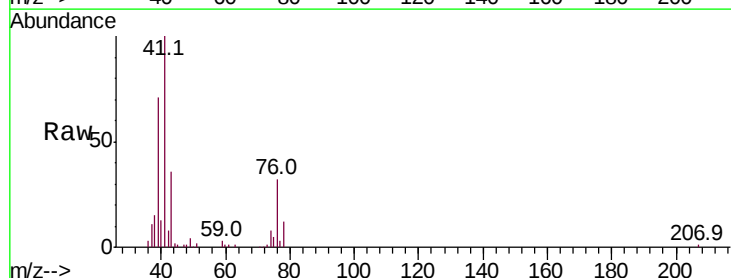
Tgt Ion: 41 Resp: 69161

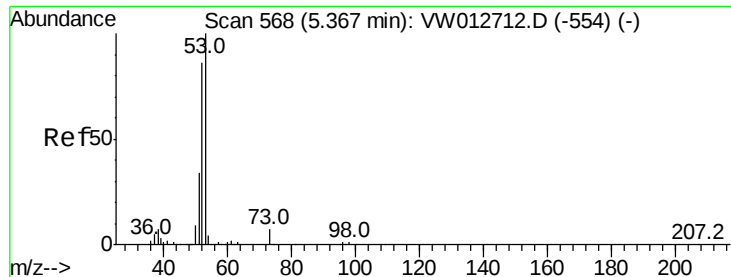
Ion Ratio Lower Upper

41 100

39 69.2 55.0 82.6

76 30.0 23.0 34.4





#15

Acrylonitrile

Concen: 79.817 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

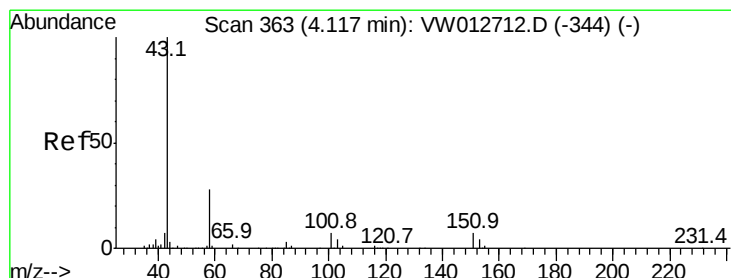
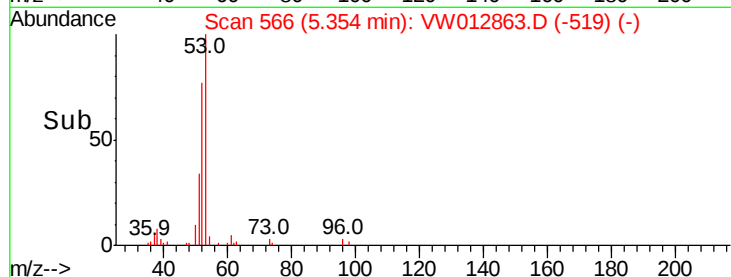
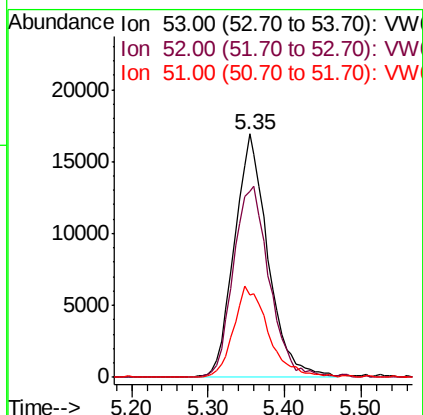
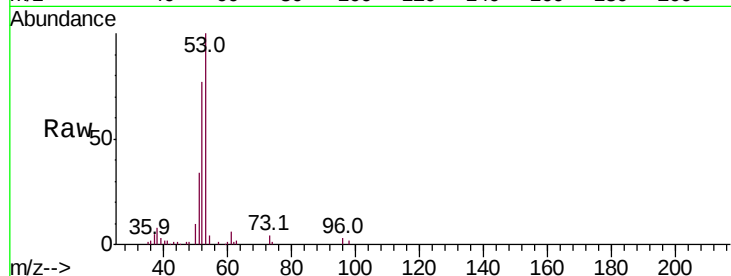
Tot Ion: 53 Resp: 51491

Ion Ratio Lower Upper

53 100

52 84.2 67.0 100.4

51 38.8 29.8 44.8



#16

Acetone

Concen: 70.624 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW012863.D

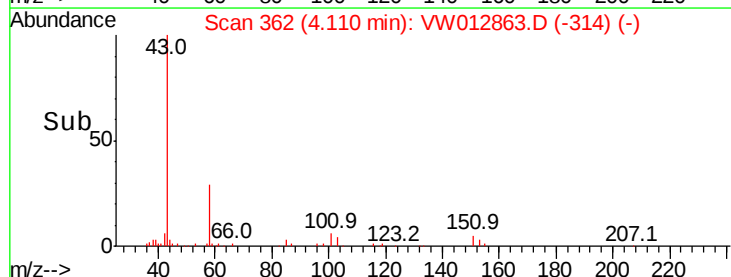
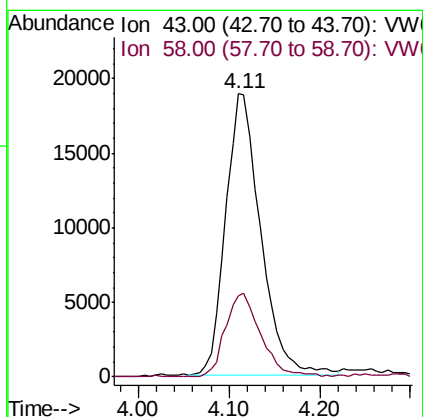
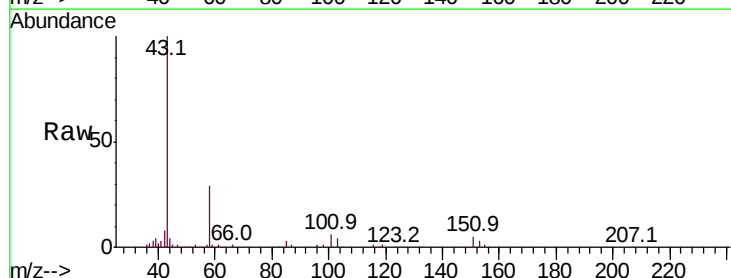
Acq: 10 Sep 2019 12:05

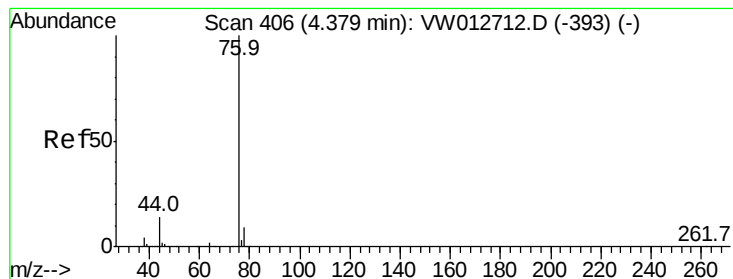
Tgt Ion: 43 Resp: 50713

Ion Ratio Lower Upper

43 100

58 28.7 22.6 33.8





#17

Carbon Disulfide

Concen: 18.082 ug/l

RT: 4.35 min Scan# 402

Delta R.T. -0.02 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

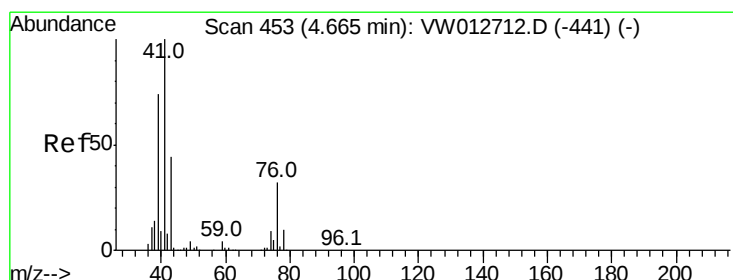
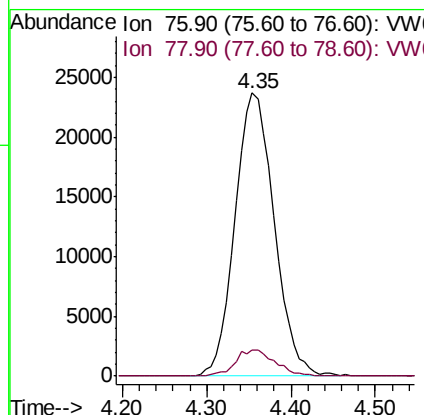
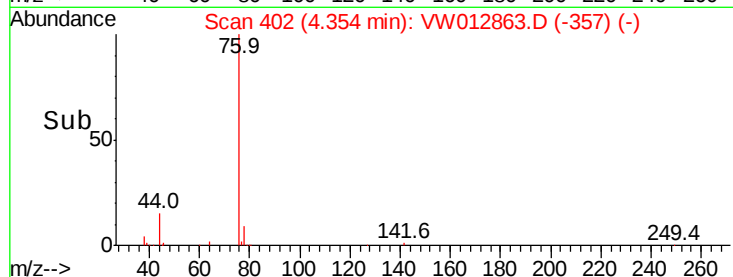
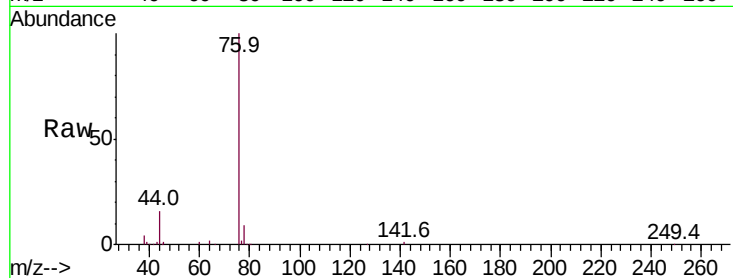
VW0910SBS01

Tot Ion: 76 Resp: 74720

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



#18

Methyl Acetate

Concen: 15.983 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012863.D

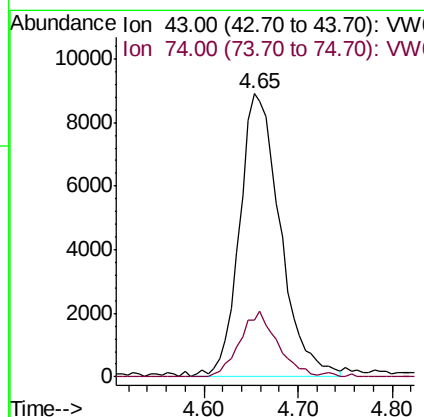
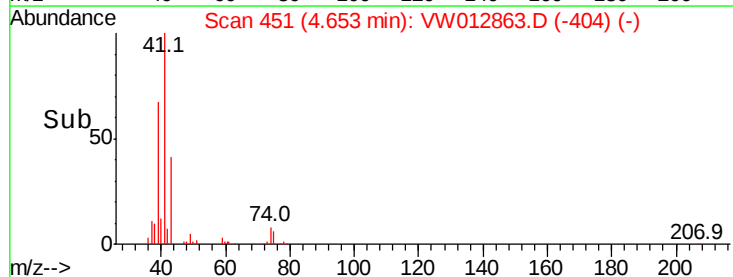
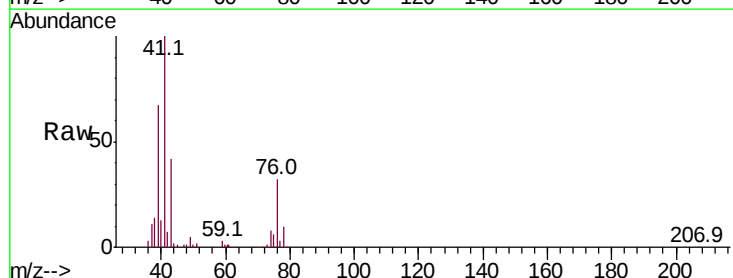
Acq: 10 Sep 2019 12:05

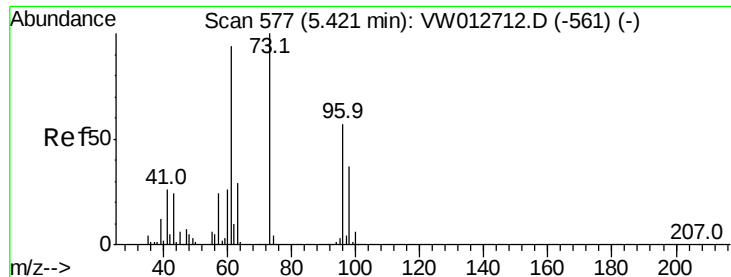
Tgt Ion: 43 Resp: 26927

Ion Ratio Lower Upper

43 100

74 21.2 15.8 23.6



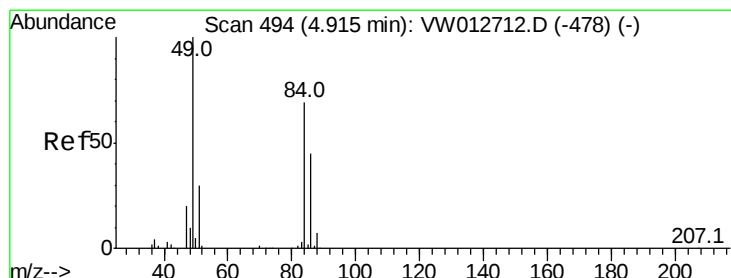
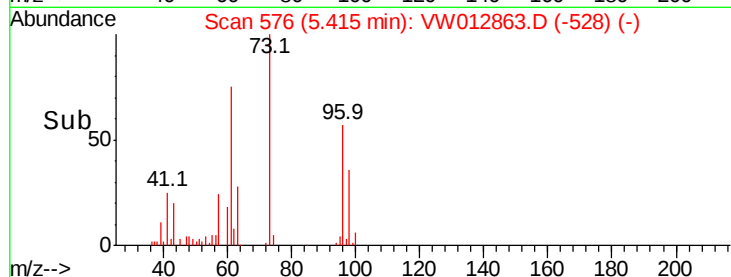
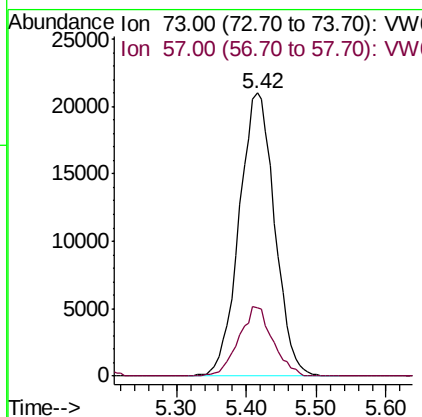
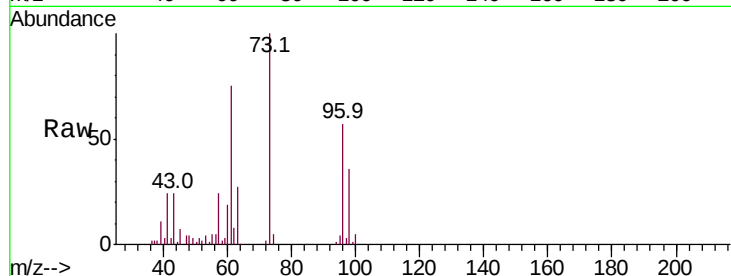


#19

Methyl tert-butyl Ether
 Concen: 19.125 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

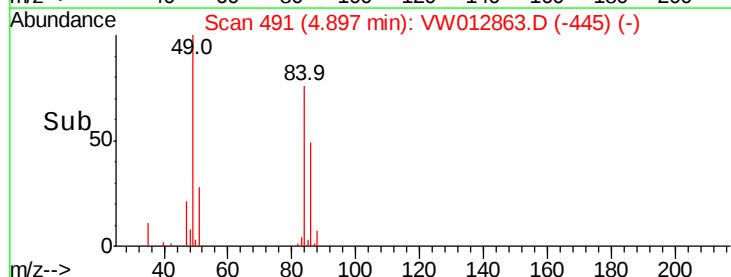
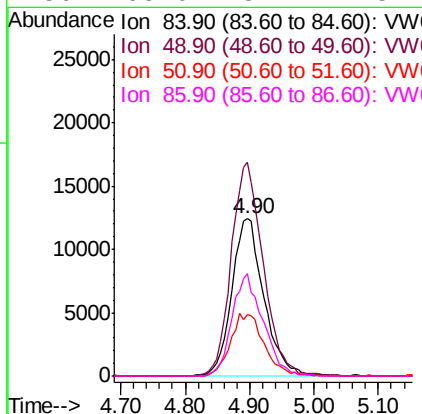
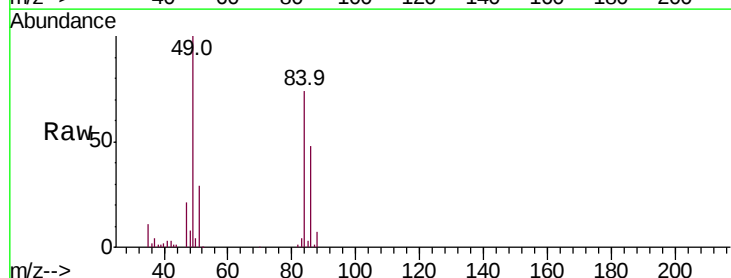
Tot Ion: 73 Resp: 73840
 Ion Ratio Lower Upper
 73 100
 57 24.2 19.2 28.8

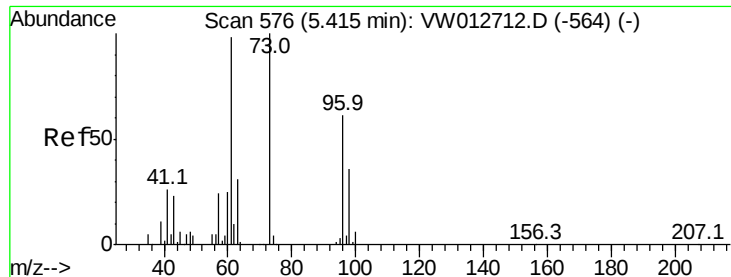


#20

Methylene Chloride
 Concen: 19.104 ug/l
 RT: 4.90 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion: 84 Resp: 42917
 Ion Ratio Lower Upper
 84 100
 49 135.9 115.4 173.0
 51 39.5 34.9 52.3
 86 65.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 19.640 ug/l

RT: 5.40 min Scan# 574

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

VW0910SBS01

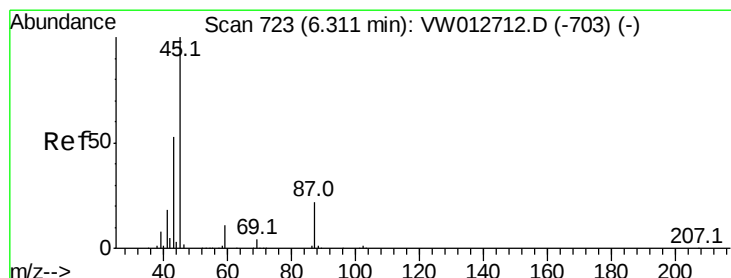
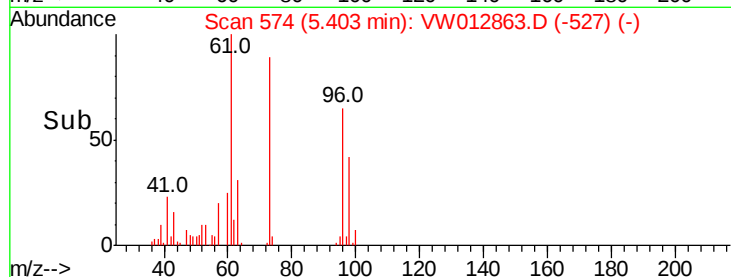
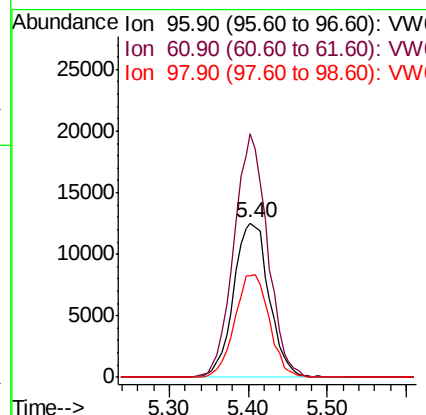
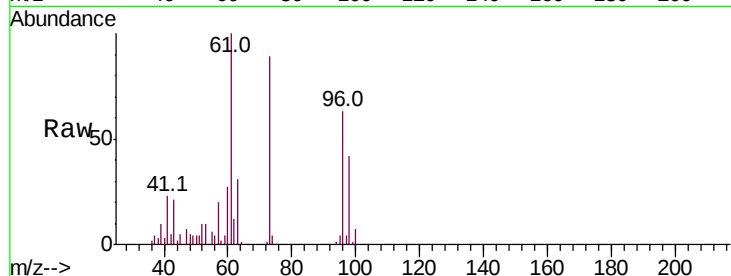
Tot Ion: 96 Resp: 39012

Ion Ratio Lower Upper

96 100

61 157.6 129.2 193.8

98 65.6 48.0 72.0



#22

Diisopropyl ether

Concen: 18.310 ug/l

RT: 6.30 min Scan# 721

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Tgt Ion: 45 Resp: 146248

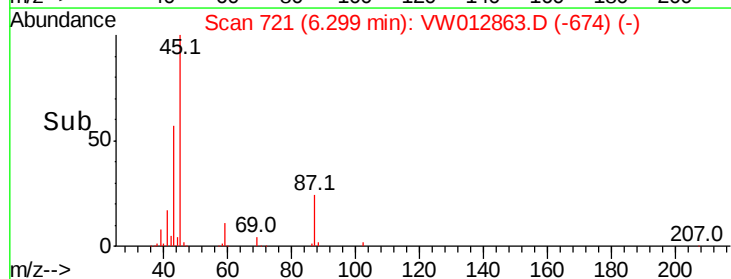
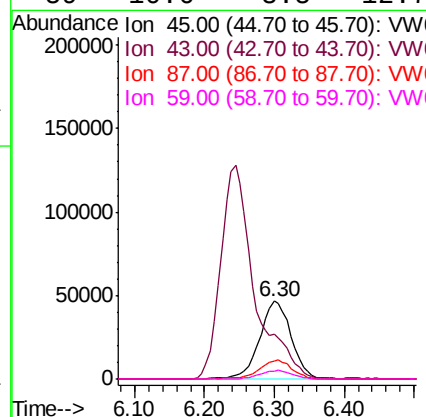
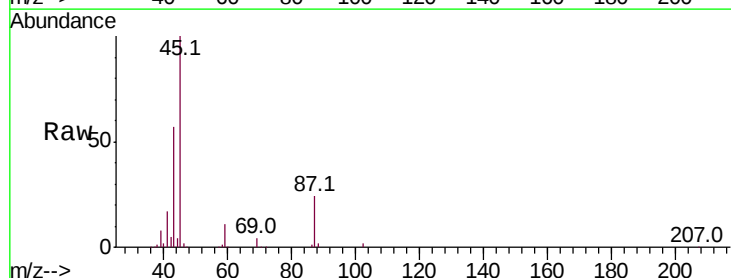
Ion Ratio Lower Upper

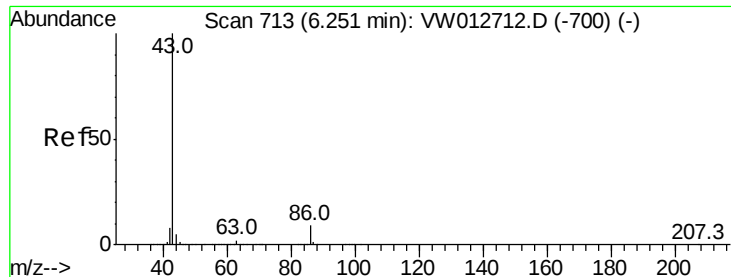
45 100

43 56.5 42.3 63.5

87 23.8 18.2 27.2

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 84.972 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

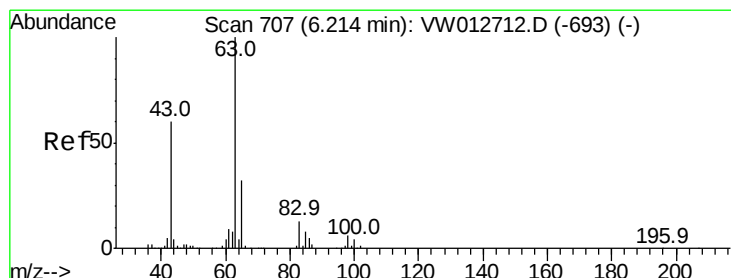
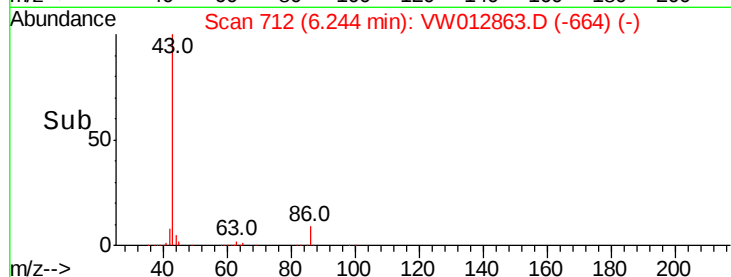
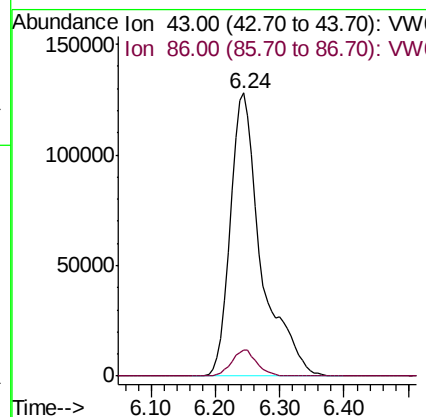
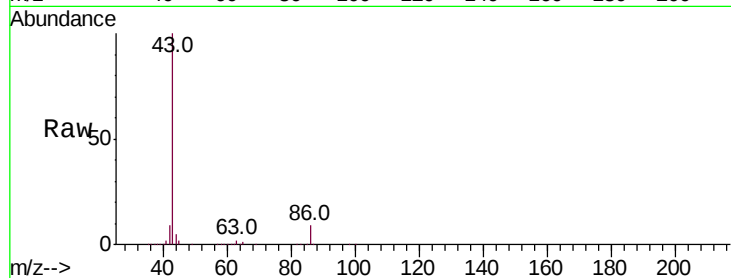
VW0910SBS01

Tot Ion: 43 Resp: 430123

Ion Ratio Lower Upper

43 100

86 9.3 7.0 10.6



#24

1,1-Dichloroethane

Concen: 18.659 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

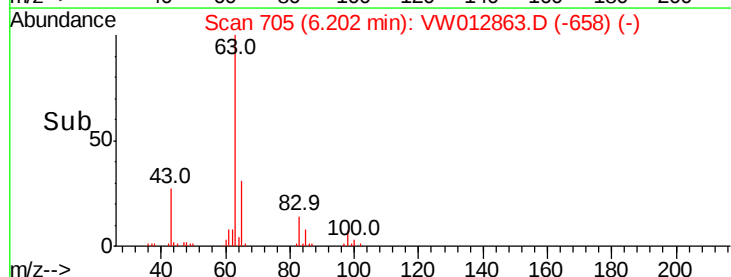
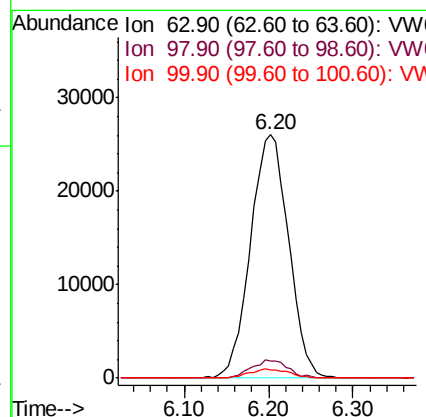
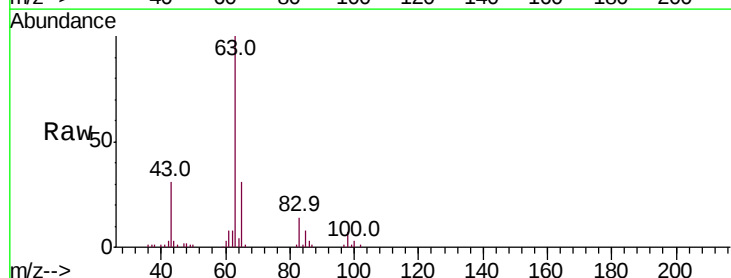
Tgt Ion: 63 Resp: 80247

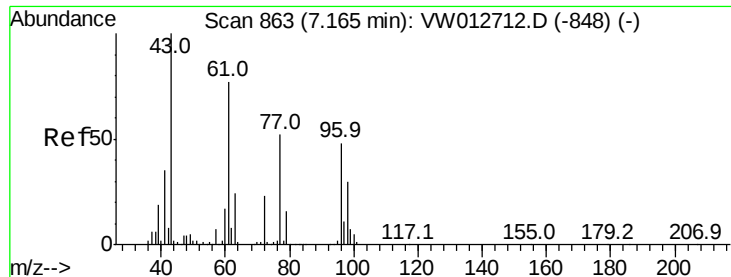
Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.3

100 3.2 1.8 5.5





#25

2-Butanone

Concen: 82.701 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

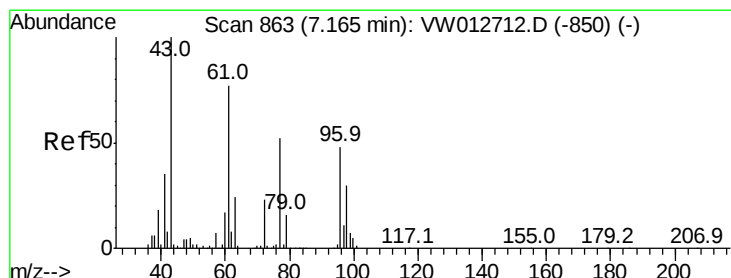
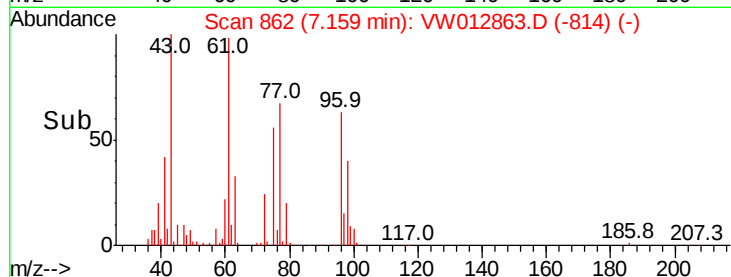
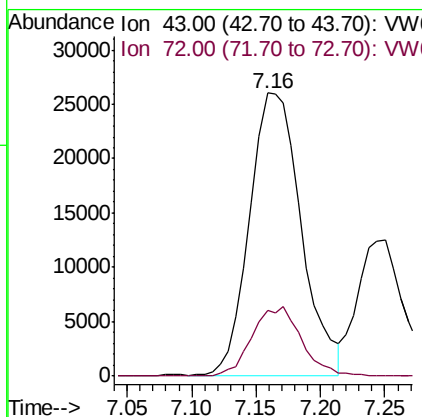
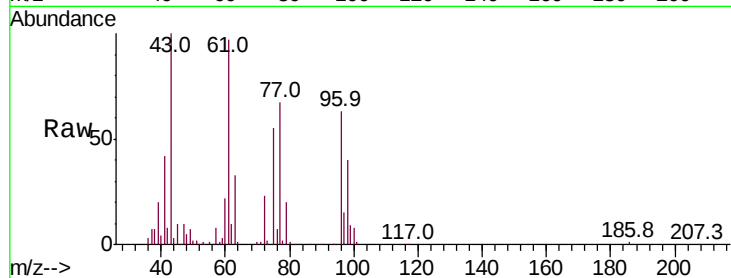
VW0910SBS01

Tot Ion: 43 Resp: 72325

Ion Ratio Lower Upper

43 100

72 23.5 18.0 27.0



#26

2,2-Dichloropropane

Concen: 18.791 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012863.D

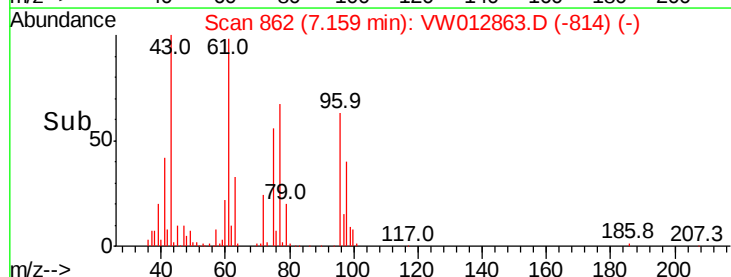
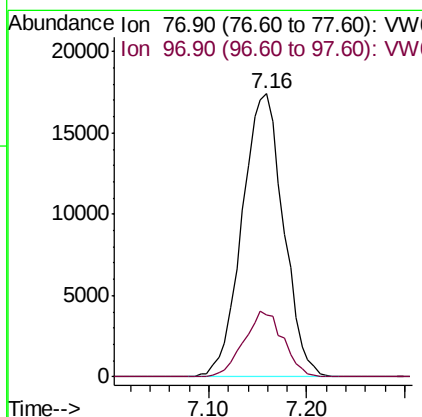
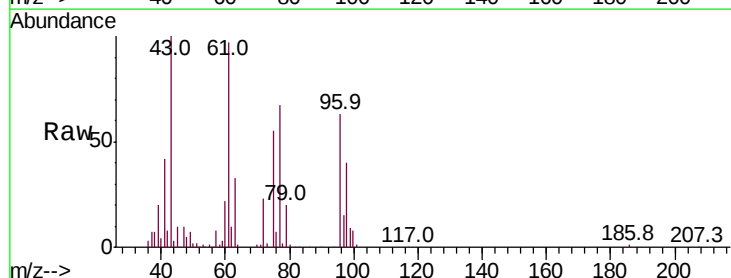
Acq: 10 Sep 2019 12:05

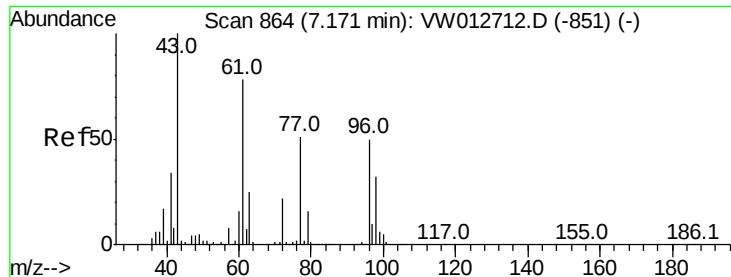
Tgt Ion: 77 Resp: 51042

Ion Ratio Lower Upper

77 100

97 22.1 10.7 32.1



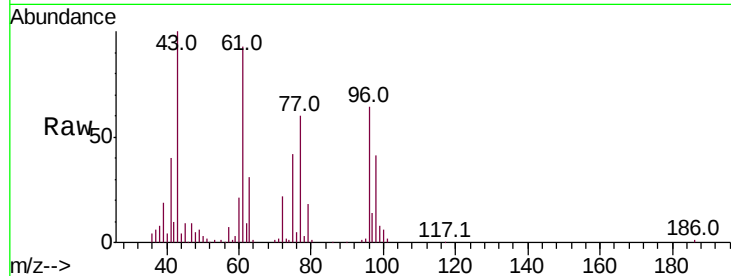


#27

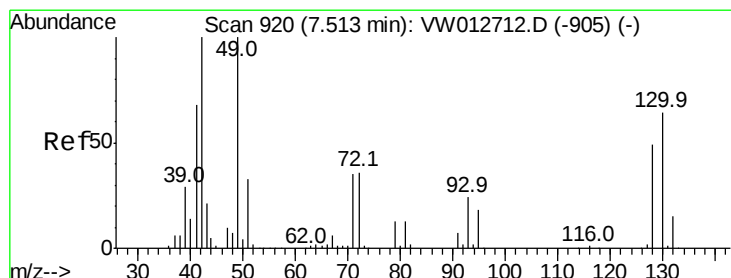
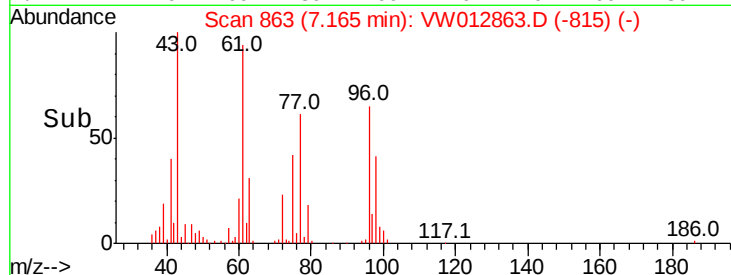
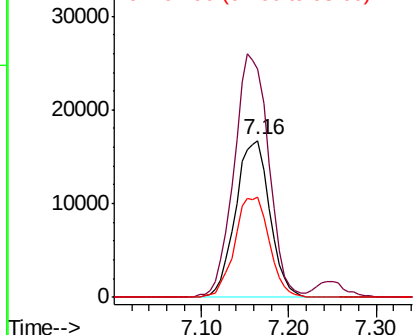
cis-1,2-Dichloroethene
 Concen: 19.788 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

Tot Ion: 96 Resp: 45576
 Ion Ratio Lower Upper
 96 100
 61 157.0 0.0 325.8
 98 64.5 0.0 127.0



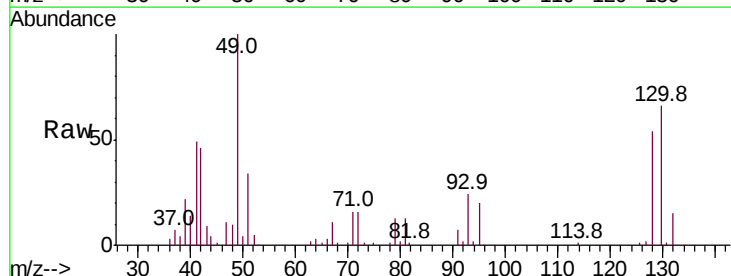
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



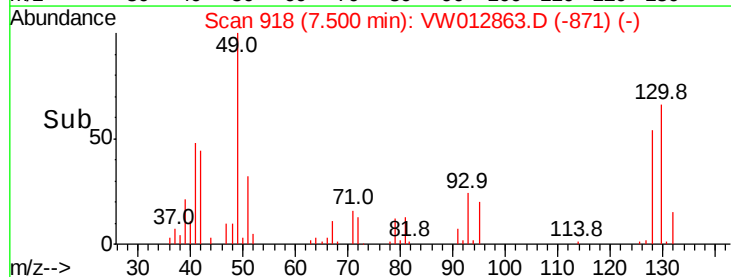
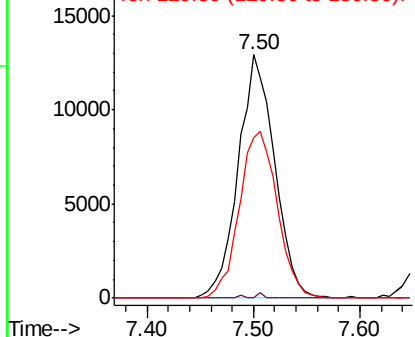
#28

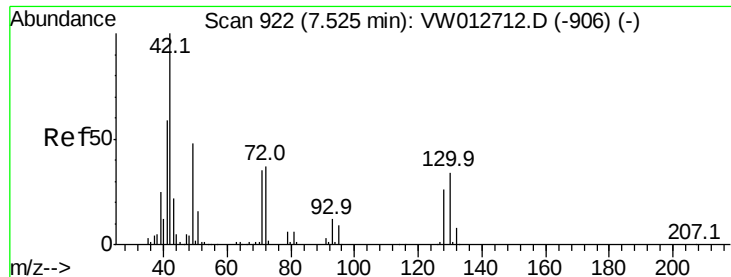
Bromochloromethane
 Concen: 15.734 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion: 49 Resp: 31071
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 0.8
 130 71.3 49.8 74.8



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





#29

Tetrahydrofuran

Concen: 77.764 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

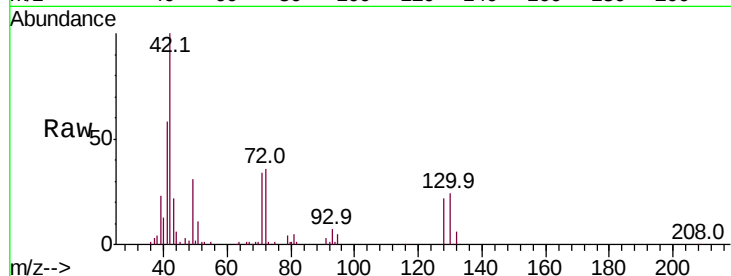
Tot Ion: 42 Resp: 45093

Ion Ratio Lower Upper

42 100

72 38.1 28.4 42.6

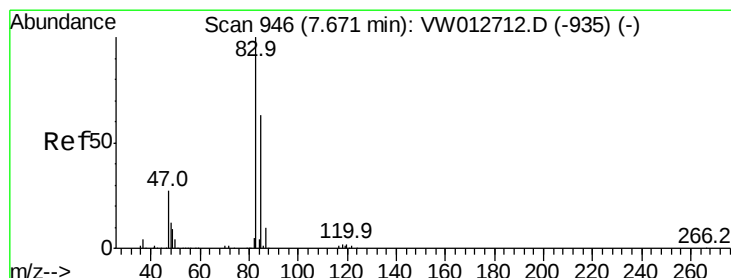
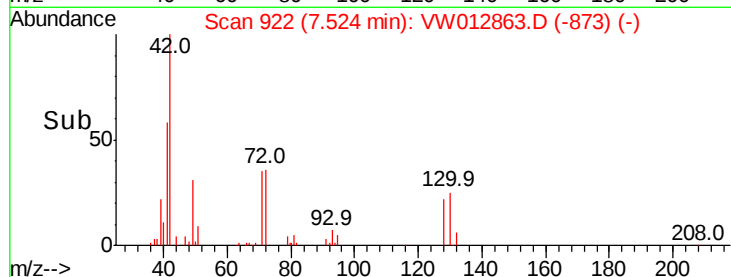
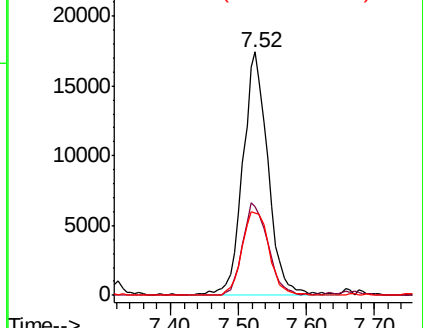
71 37.0 27.1 40.7



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 18.798 ug/l

RT: 7.66 min Scan# 945

Delta R.T. -0.01 min

Lab File: VW012863.D

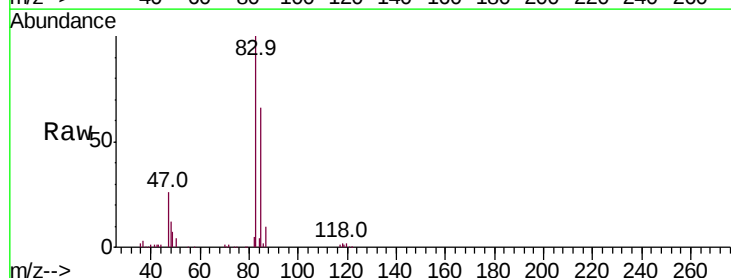
Acq: 10 Sep 2019 12:05

Tgt Ion: 83 Resp: 80124

Ion Ratio Lower Upper

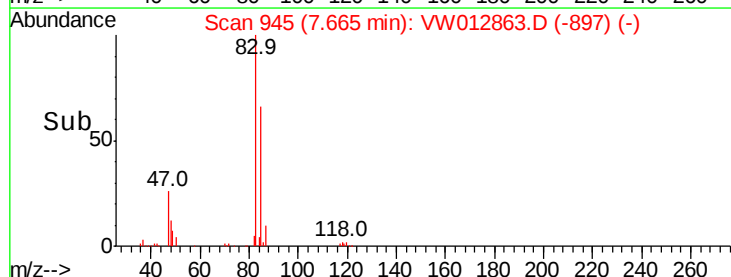
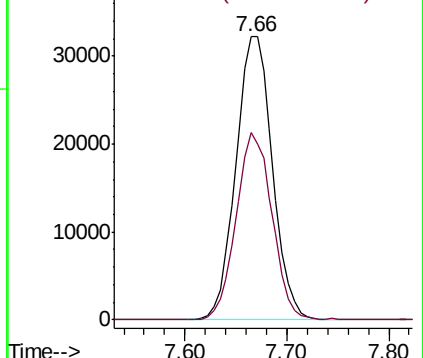
83 100

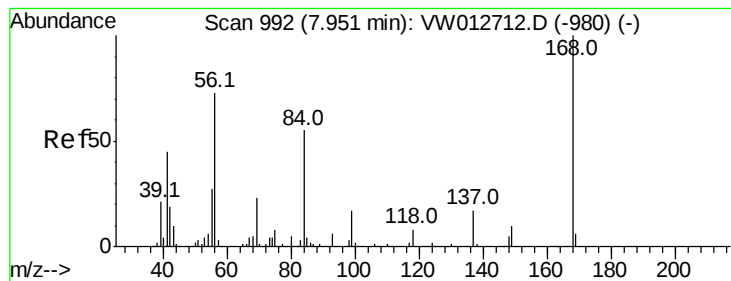
85 66.1 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.091 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

VW0910SBS01

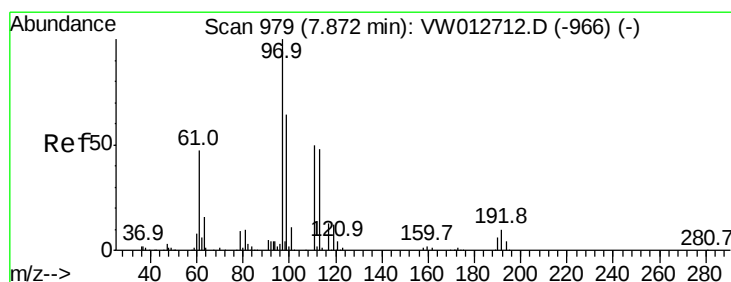
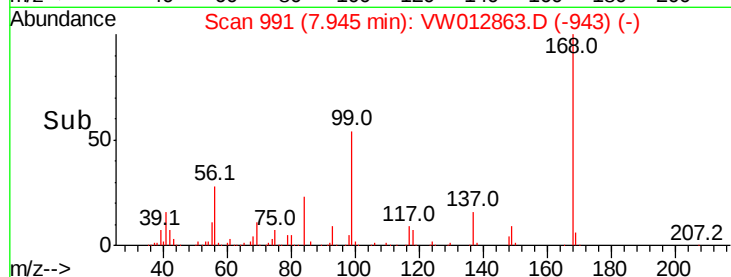
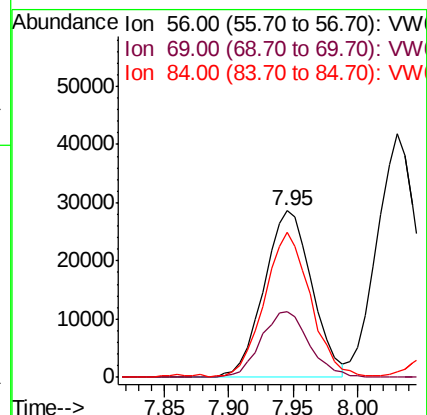
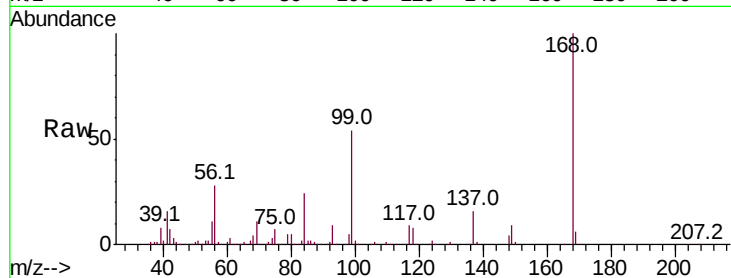
Tot Ion: 56 Resp: 73915

Ion Ratio Lower Upper

56 100

69 39.3 25.7 38.5#

84 85.9 60.4 90.6



#32

1,1,1-Trichloroethane

Concen: 18.749 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

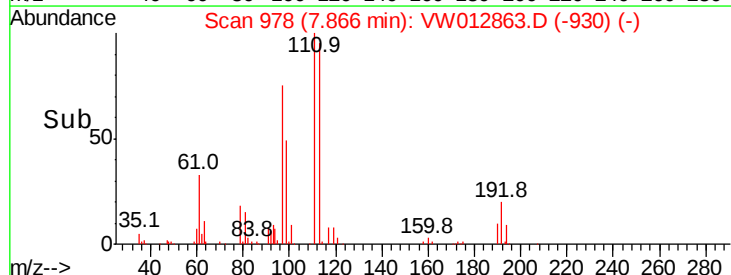
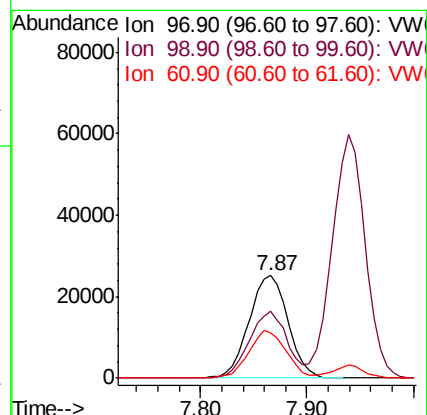
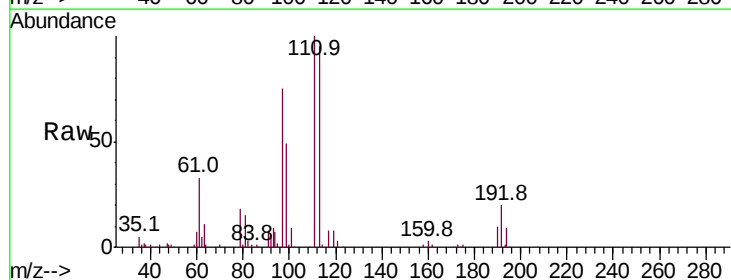
Tgt Ion: 97 Resp: 64778

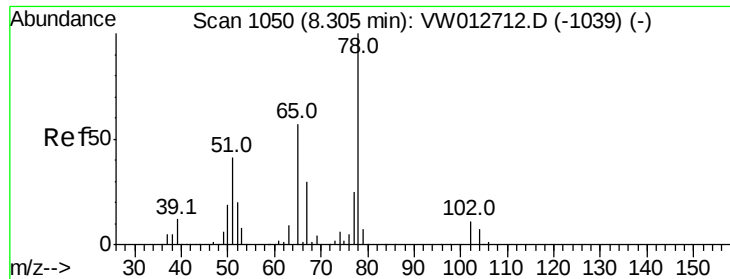
Ion Ratio Lower Upper

97 100

99 63.3 51.5 77.3

61 45.1 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 45.273 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

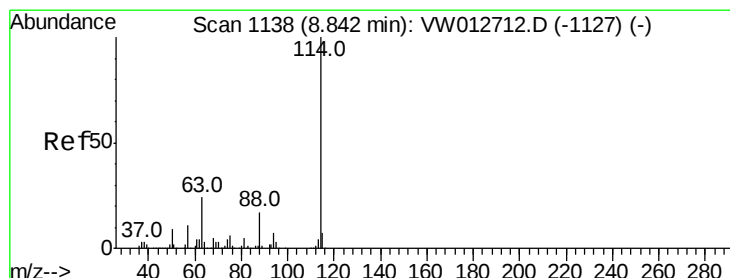
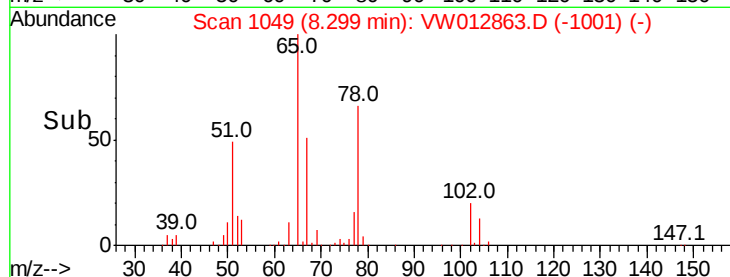
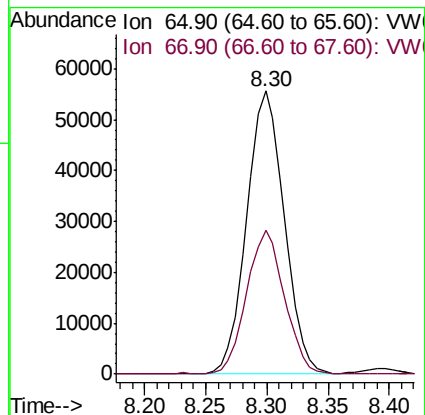
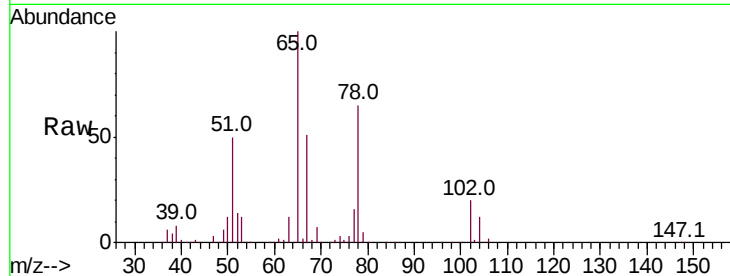
VW0910SBS01

Tot Ion: 65 Resp: 119248

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

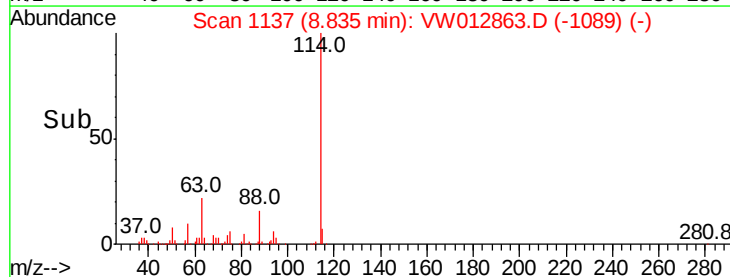
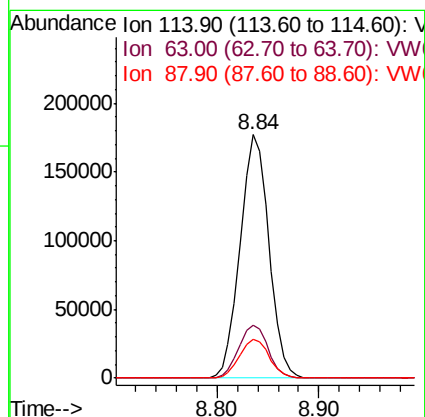
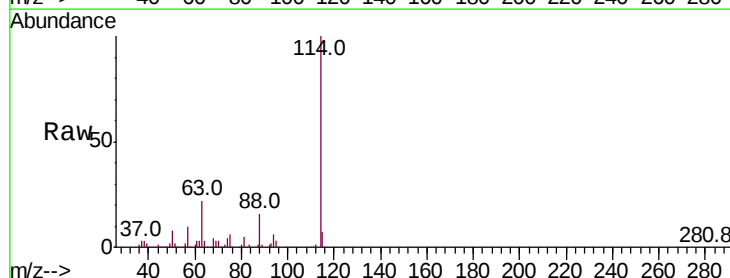
Tgt Ion: 114 Resp: 346800

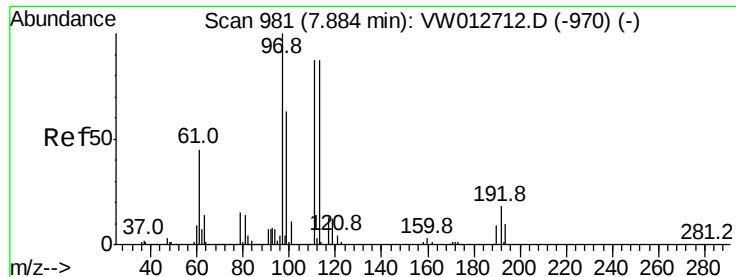
Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.2

88 15.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.427 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

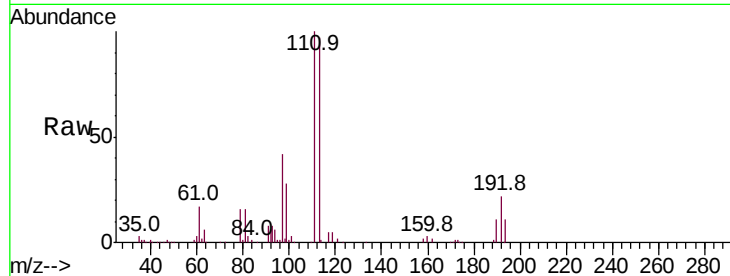
Tot Ion:113 Resp: 99847

Ion Ratio Lower Upper

113 100

111 103.7 80.2 120.4

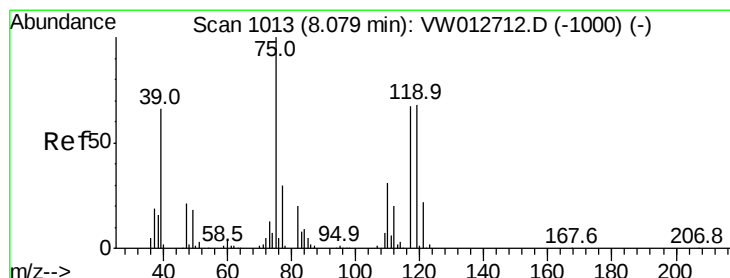
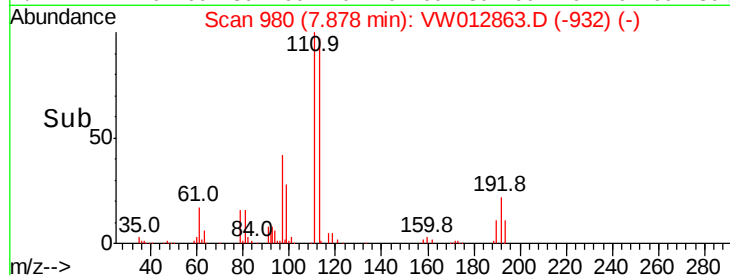
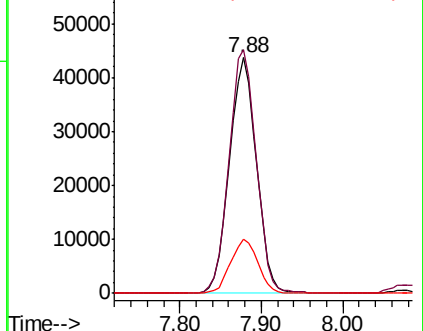
192 22.9 17.3 25.9



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: 19.656 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

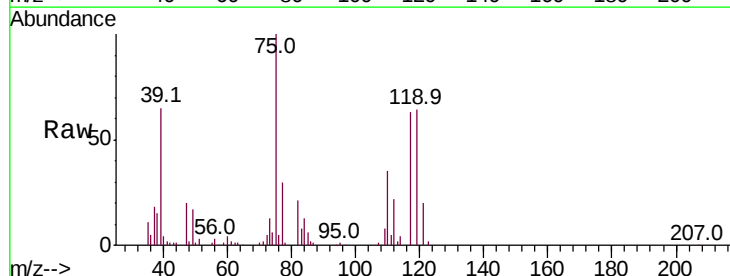
Tgt Ion: 75 Resp: 60568

Ion Ratio Lower Upper

75 100

110 34.9 15.9 47.7

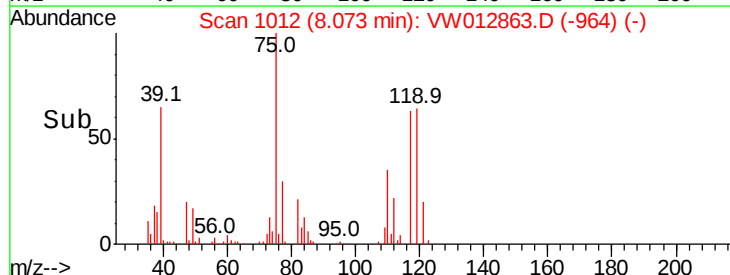
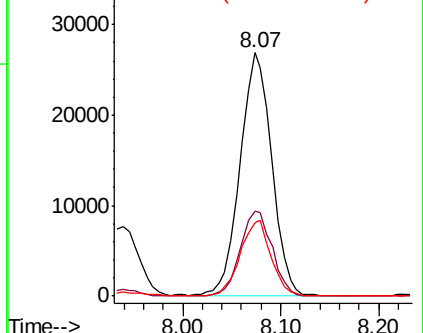
77 30.1 25.0 37.4

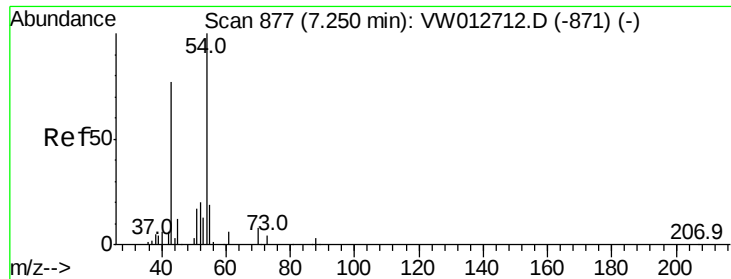


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

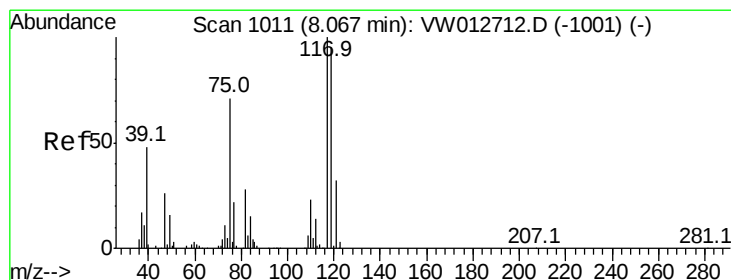
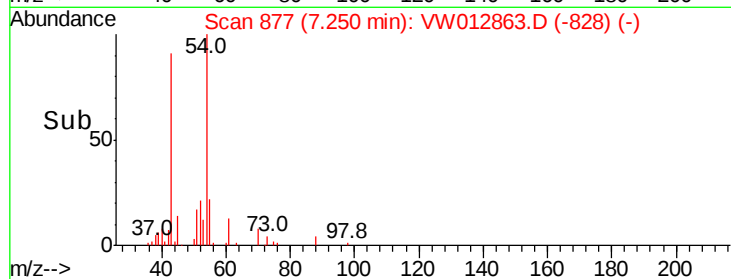
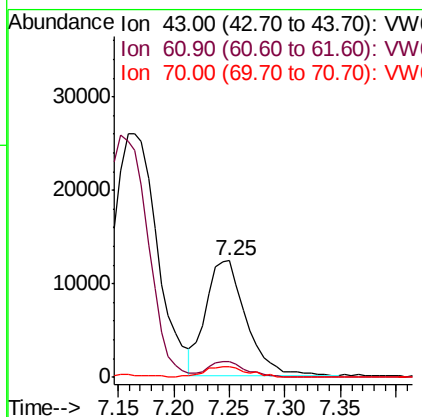
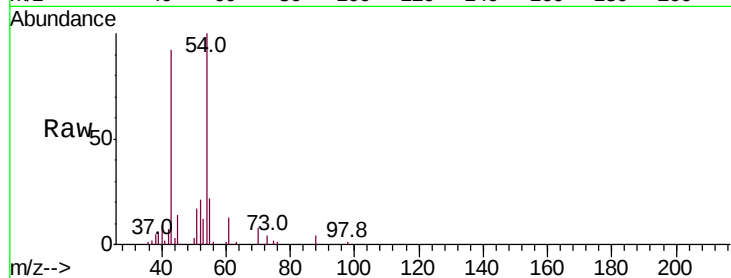




#37
Ethyl Acetate
Concen: 15.881 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

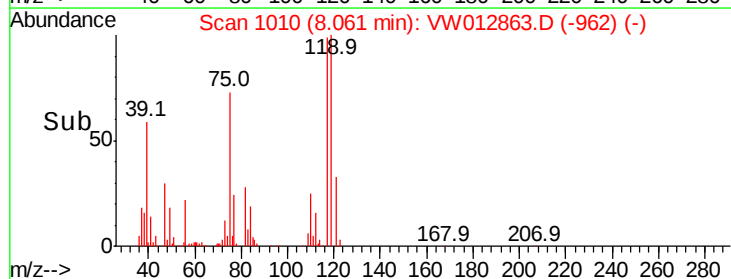
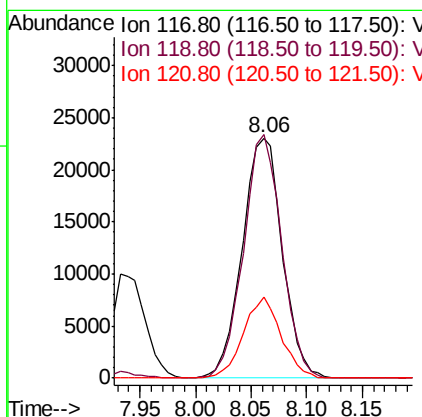
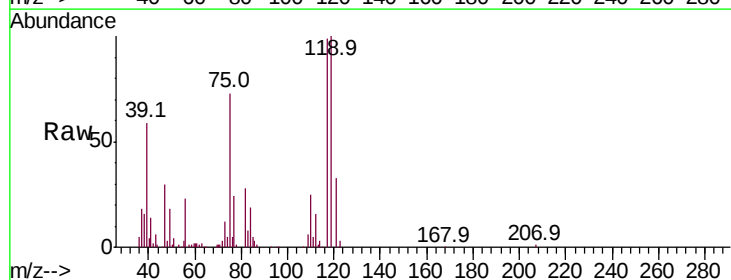
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

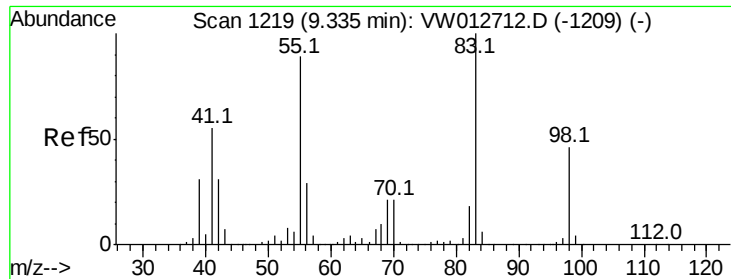
Tot Ion: 43 Resp: 31195
Ion Ratio Lower Upper
43 100
61 13.0 9.5 14.3
70 9.8 7.0 10.6



#38
Carbon Tetrachloride
Concen: 18.984 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion: 117 Resp: 57665
Ion Ratio Lower Upper
117 100
119 101.3 76.2 114.2
121 33.7 25.4 38.2

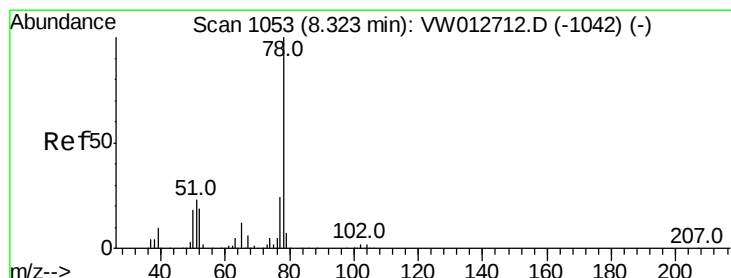
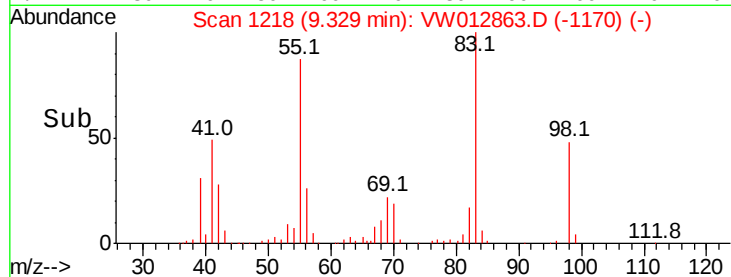
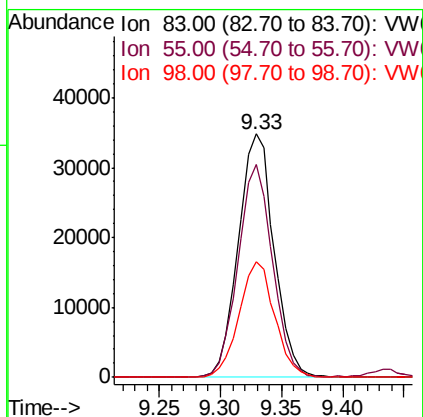
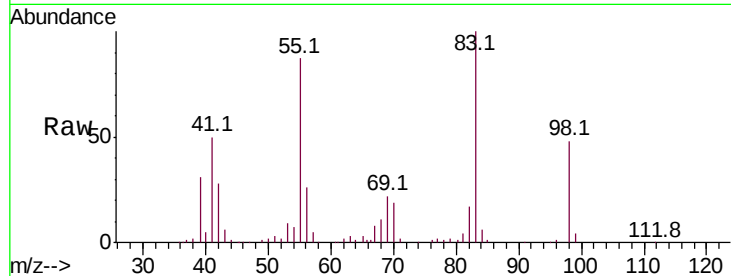




#39
Methvlcvclohexane
Concen: 20.388 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

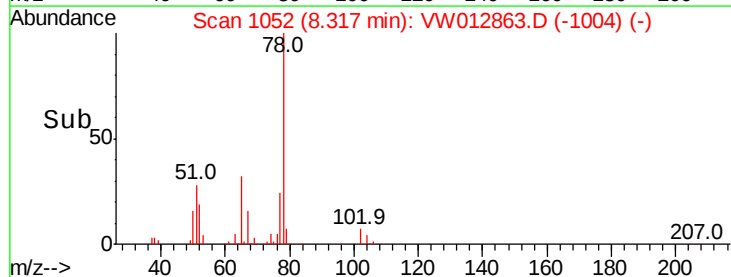
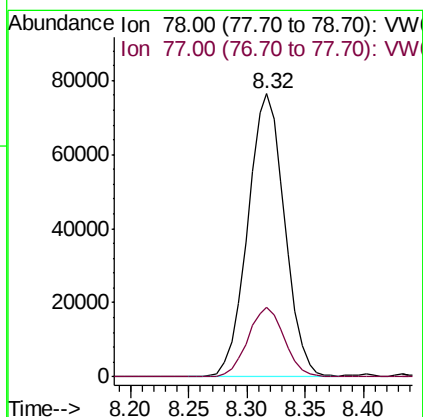
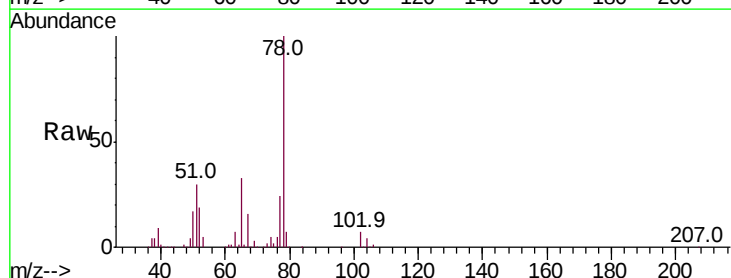
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

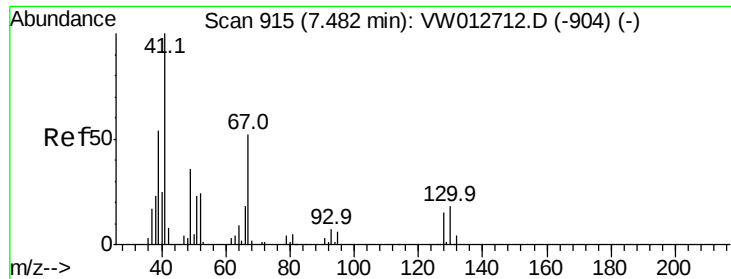
Tot Ion: 83 Resp: 70559
Ion Ratio Lower Upper
83 100
55 87.5 71.0 106.4
98 47.7 36.9 55.3



#40
Benzene
Concen: 19.734 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion: 78 Resp: 168718
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9

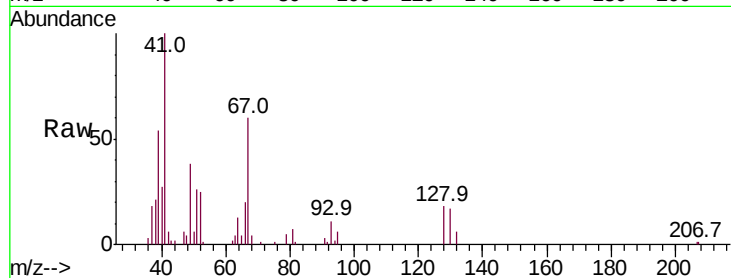




#41
Methacrylonitrile
Concen: 16.780 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

Tot Ion:	41	Resp:	18717
Ion	Ratio	Lower	Upper
41	100		
39	63.5	47.5	71.3
67	66.1	45.1	67.7
52	29.0	20.2	30.2



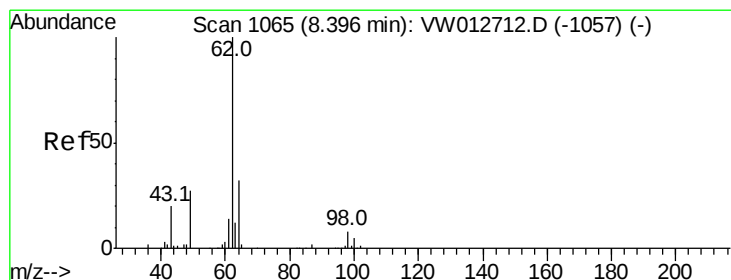
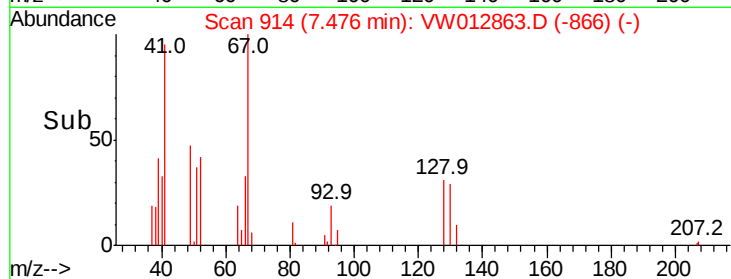
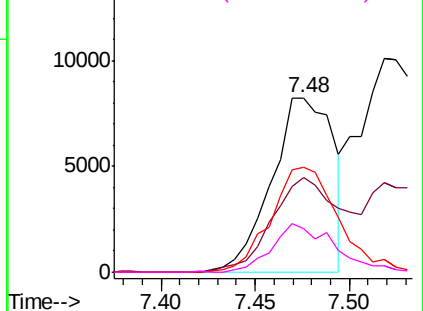
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

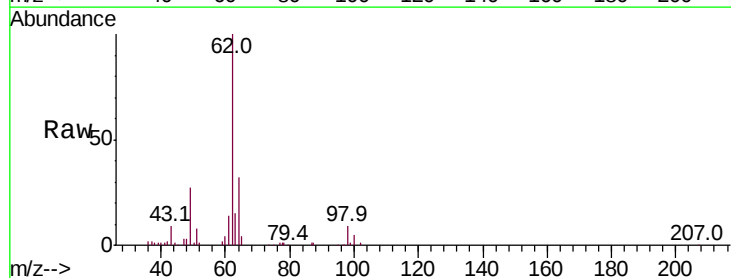
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 18.228 ug/l
RT: 8.39 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

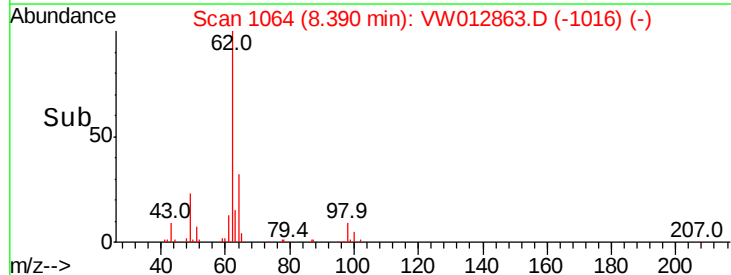
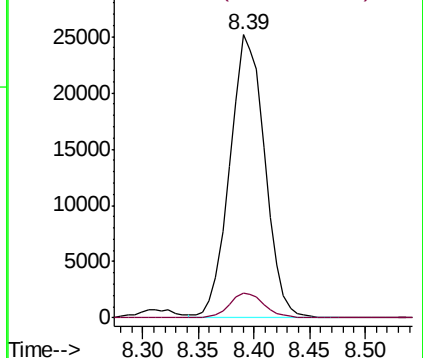
Tgt Ion:	62	Resp:	54846
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.2

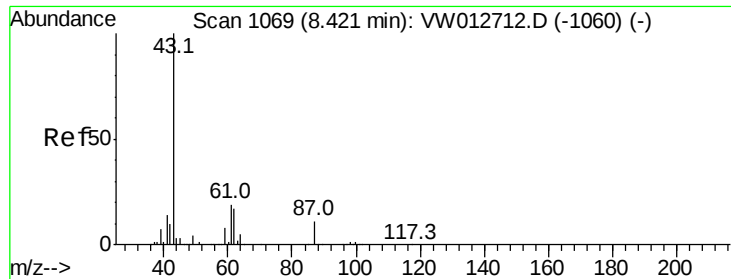


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 16.053 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

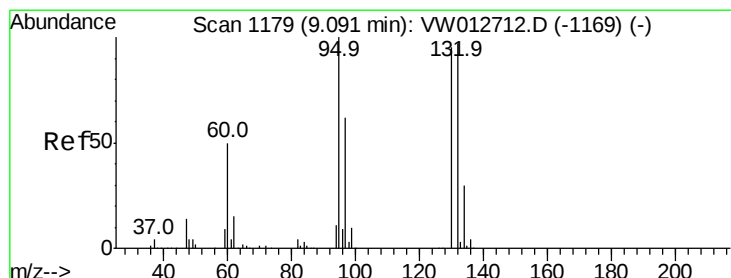
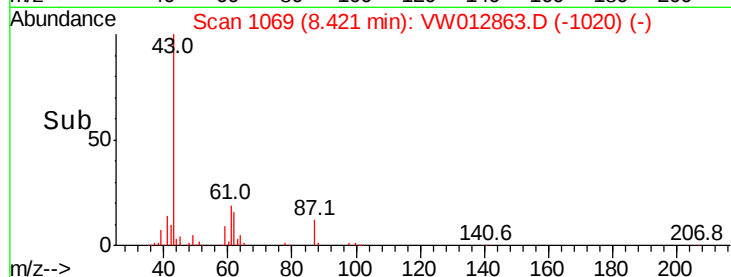
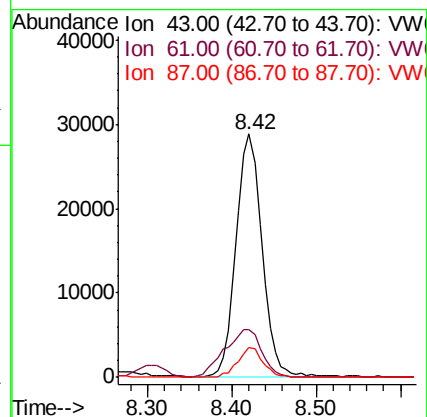
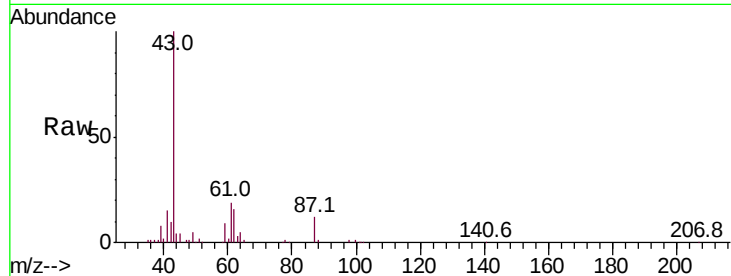
Tot Ion: 43 Resp: 59743

Ion Ratio Lower Upper

43 100

61 28.2 20.6 30.8

87 11.9 8.6 13.0



#44

Trichloroethene

Concen: 20.444 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012863.D

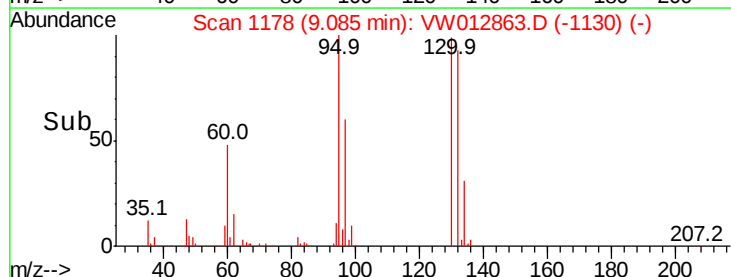
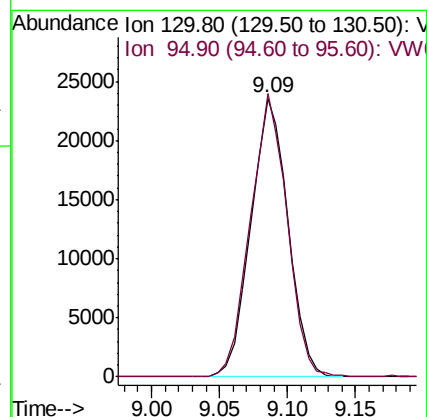
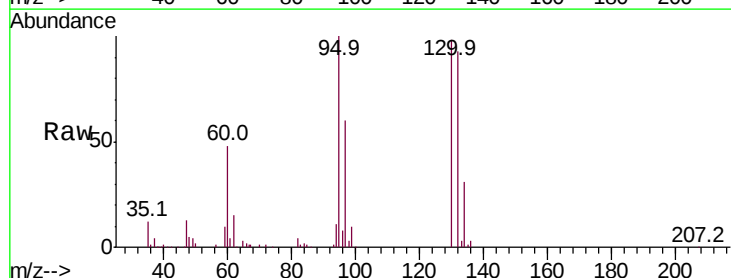
Acq: 10 Sep 2019 12:05

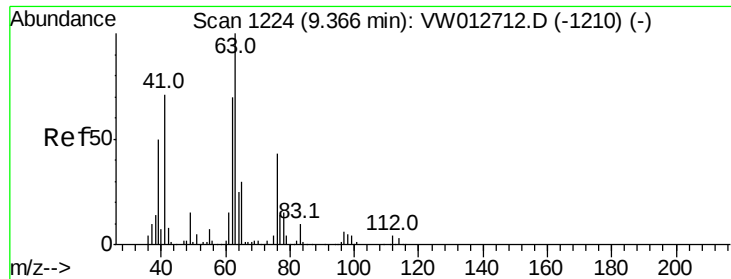
Tgt Ion: 130 Resp: 45055

Ion Ratio Lower Upper

130 100

95 101.7 0.0 210.6





#45

1,2-Dichloropropane

Concen: 18.856 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

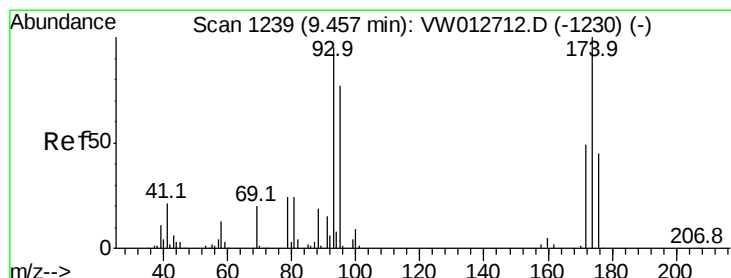
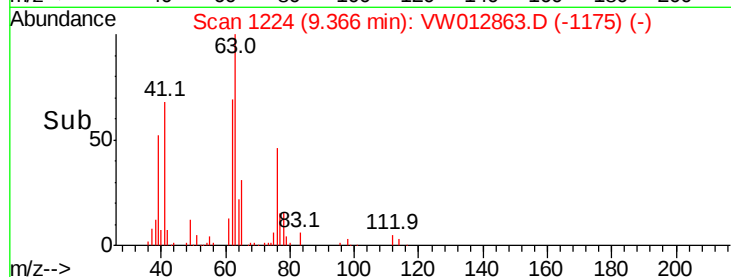
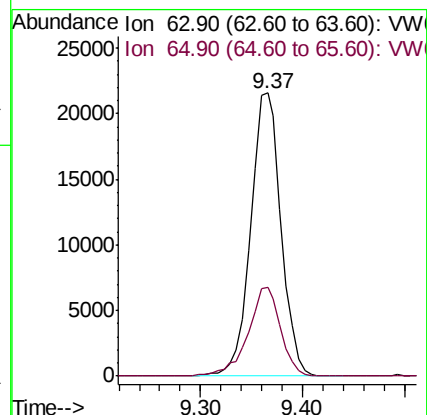
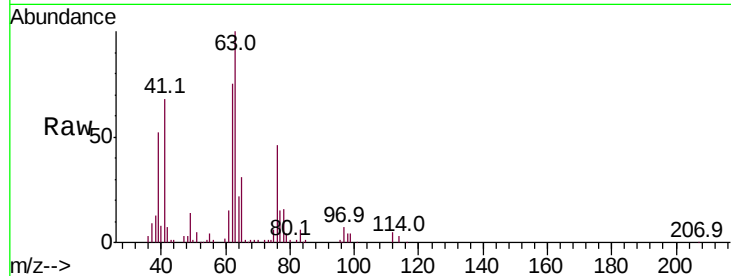
VW0910SBS01

Tot Ion: 63 Resp: 44711

Ion Ratio Lower Upper

63 100

65 31.3 23.8 35.8



#46

Dibromomethane

Concen: 18.772 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

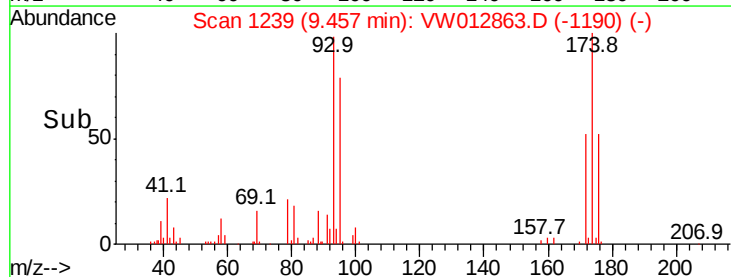
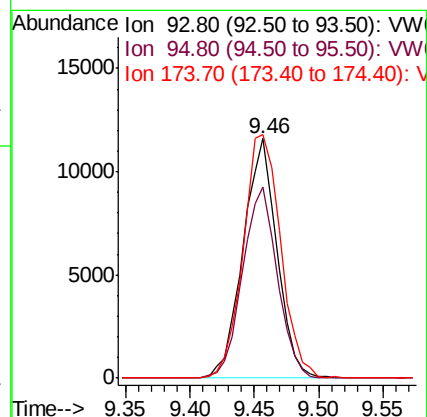
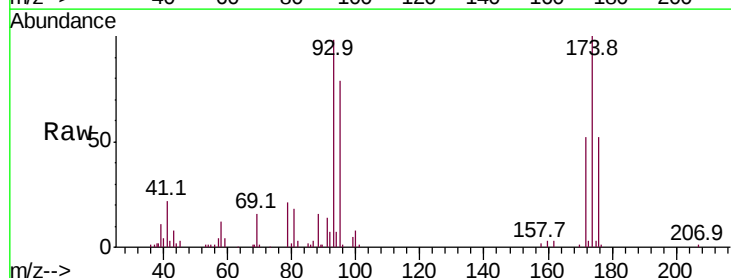
Tgt Ion: 93 Resp: 21078

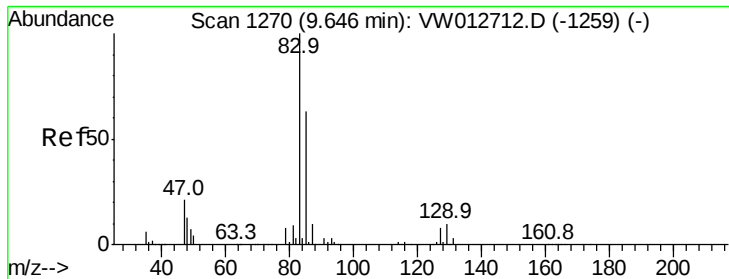
Ion Ratio Lower Upper

93 100

95 81.8 65.2 97.8

174 112.3 84.2 126.4





#47

Bromodichloromethane

Concen: 17.653 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

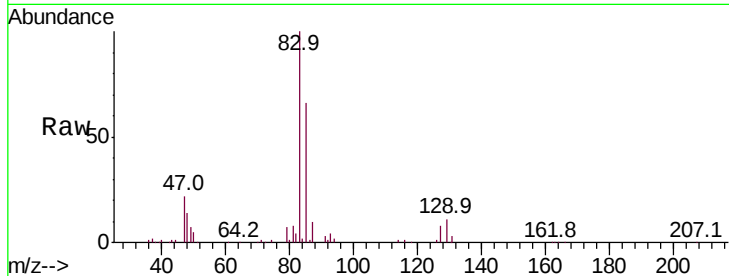
Tot Ion: 83 Resp: 54534

Ion Ratio Lower Upper

83 100

85 66.2 50.2 75.2

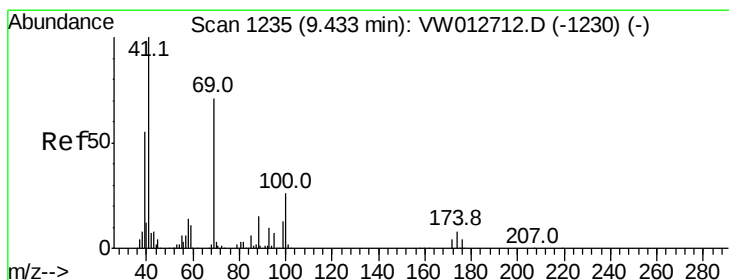
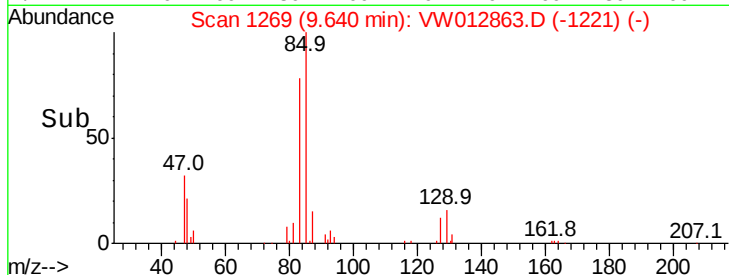
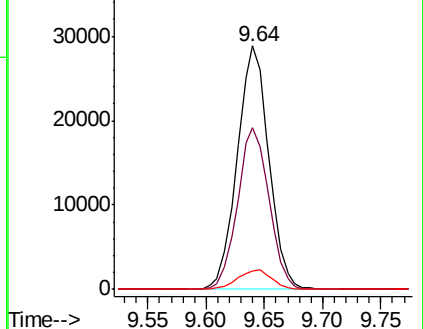
127 7.7 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 15.963 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

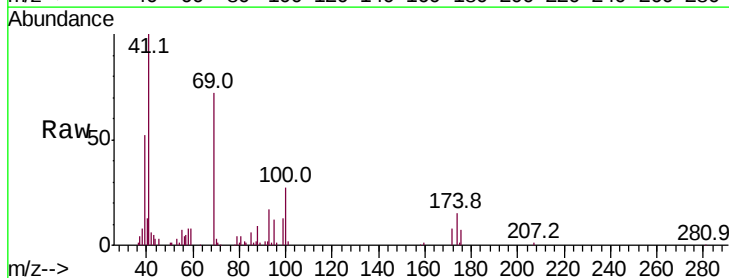
Tgt Ion: 41 Resp: 28390

Ion Ratio Lower Upper

41 100

69 76.9 59.8 89.8

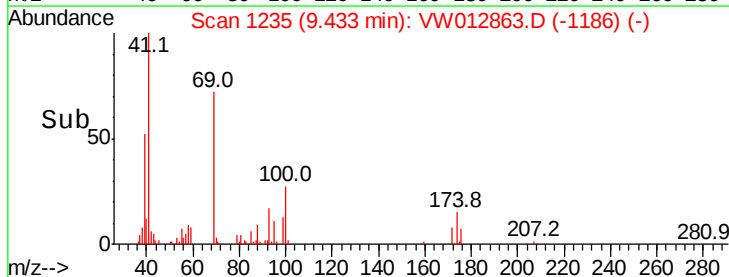
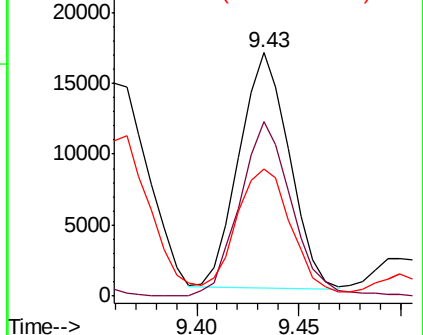
39 59.7 47.0 70.6

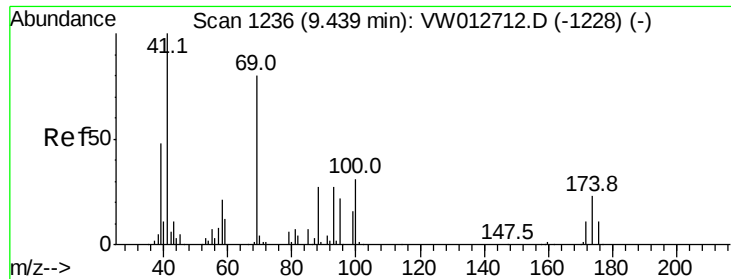


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 269.571 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

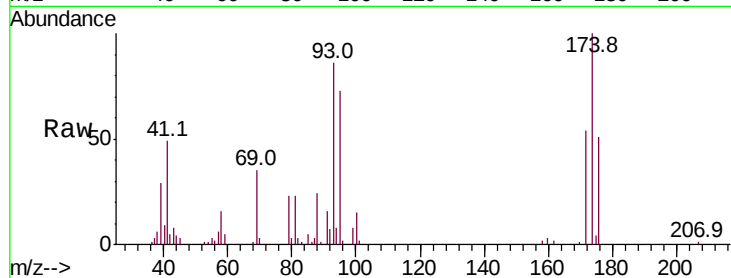
Tot Ion: 88 Resp: 5979

Ion Ratio Lower Upper

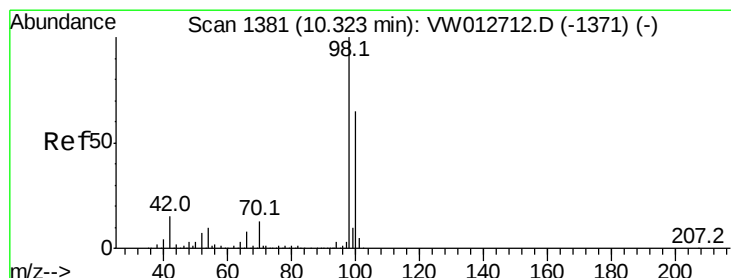
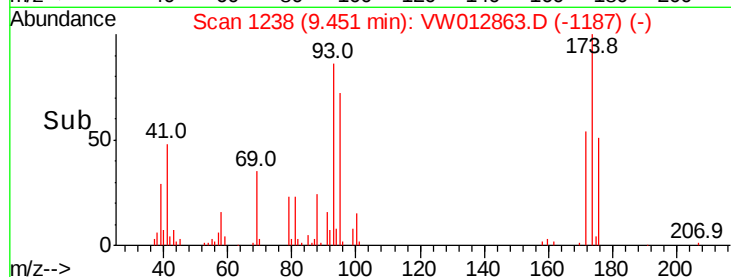
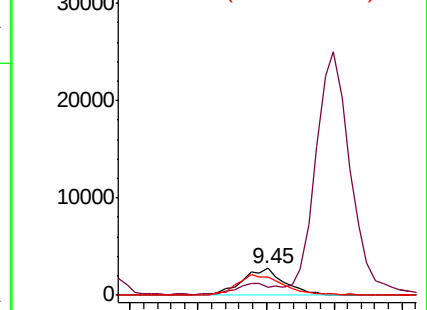
88 100

43 36.9 34.8 52.2

58 86.0 64.1 96.1



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.679 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012863.D

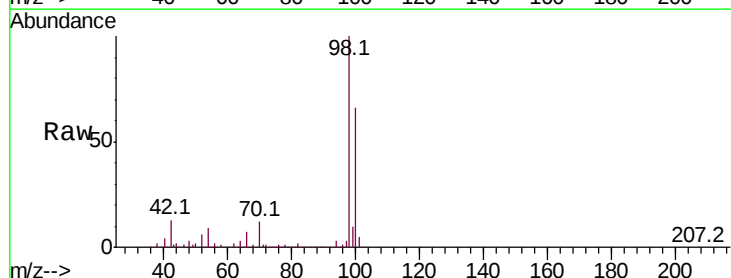
Acq: 10 Sep 2019 12:05

Tgt Ion: 98 Resp: 417451

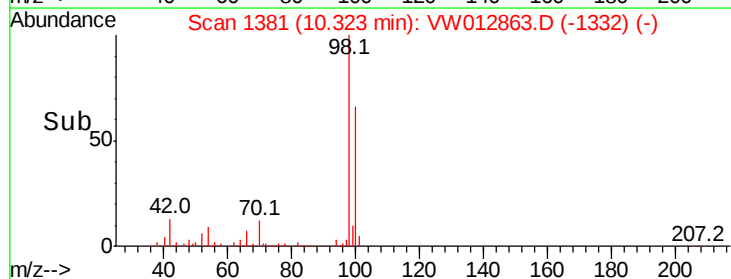
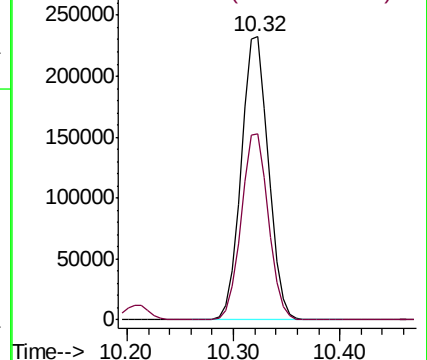
Ion Ratio Lower Upper

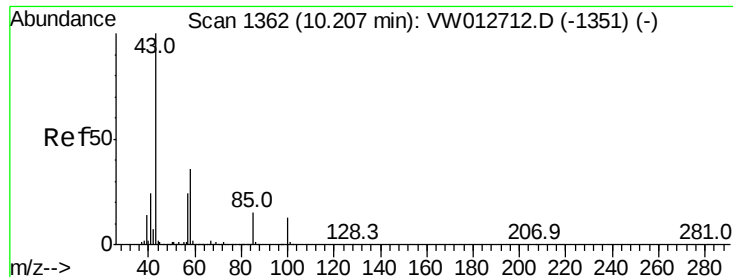
98 100

100 65.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 80.924 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

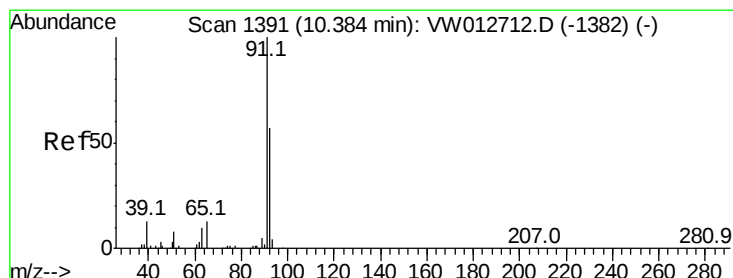
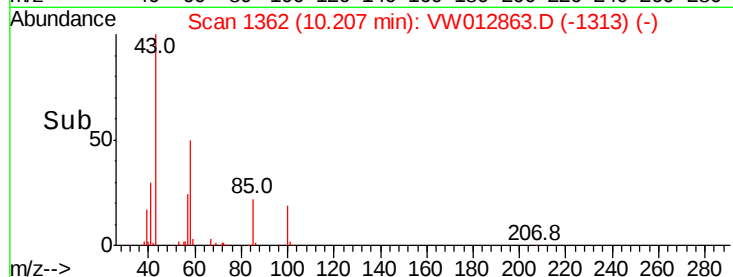
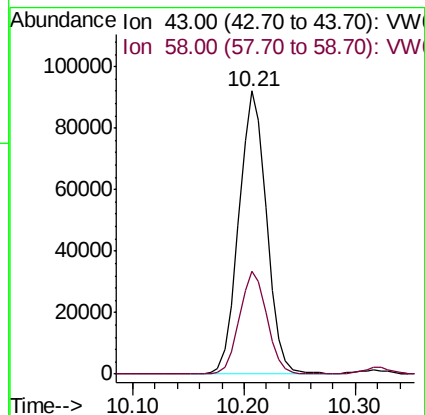
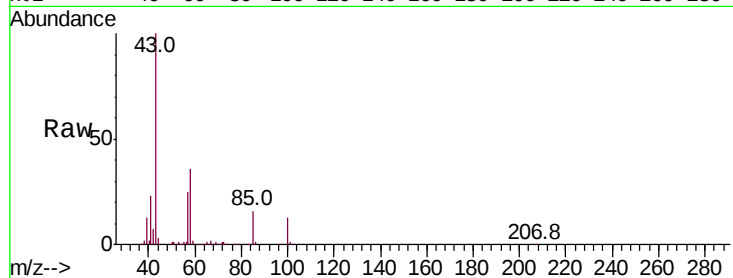
VW0910SBS01

Tot Ion: 43 Resp: 158027

Ion Ratio Lower Upper

43 100

58 36.3 28.4 42.6



#52

Toluene

Concen: 20.004 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012863.D

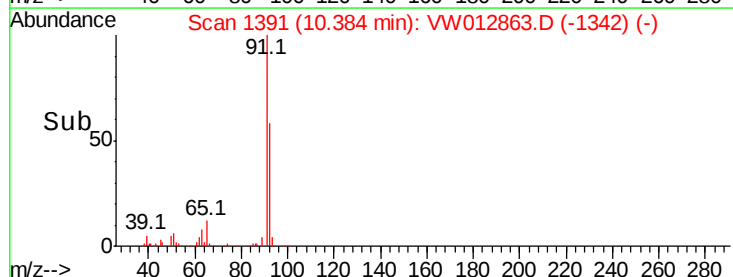
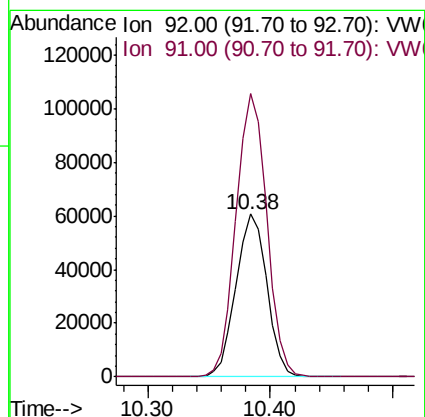
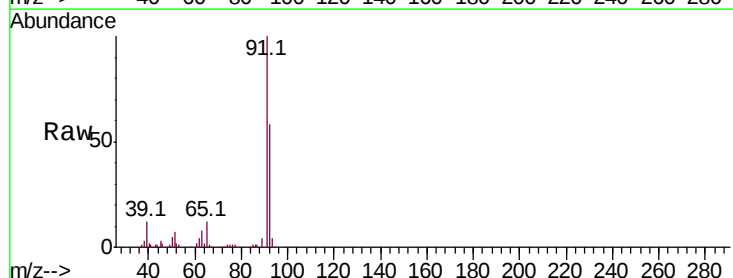
Acq: 10 Sep 2019 12:05

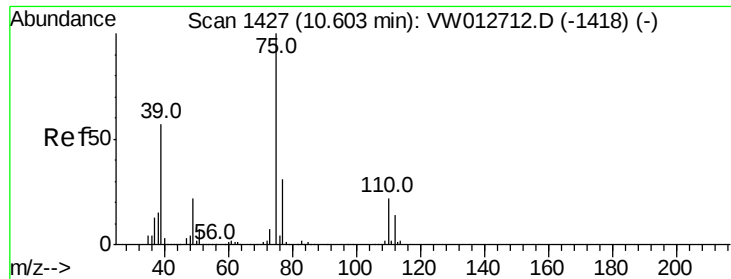
Tgt Ion: 92 Resp: 106740

Ion Ratio Lower Upper

92 100

91 172.0 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 18.009 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

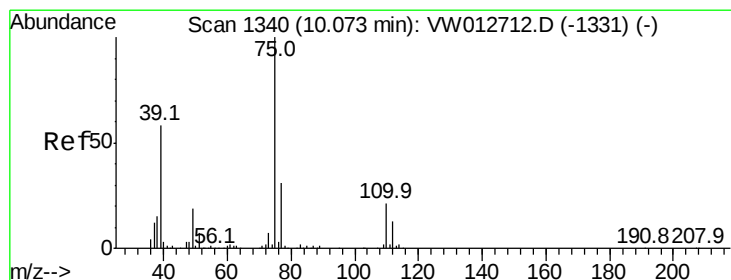
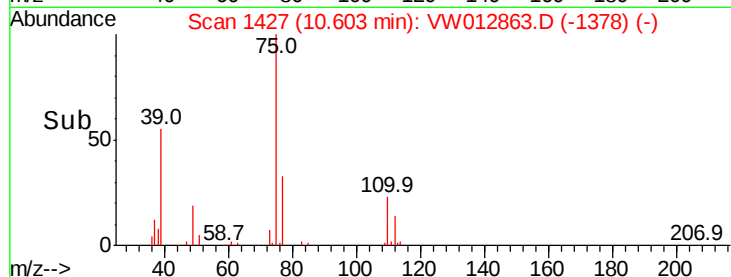
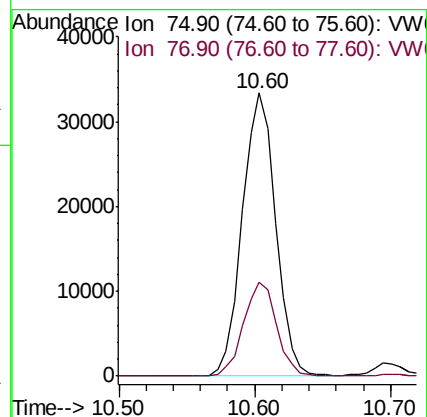
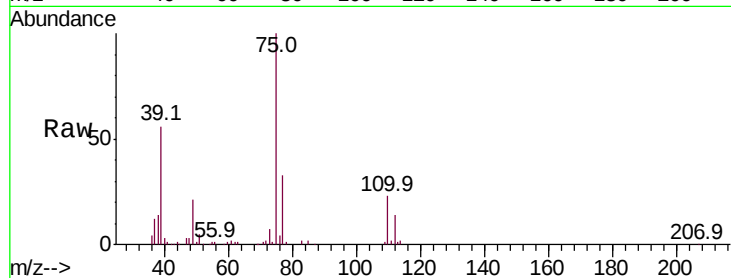
VW0910SBS01

Tot Ion: 75 Resp: 57208

Ion Ratio Lower Upper

75 100

77 33.0 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 18.339 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

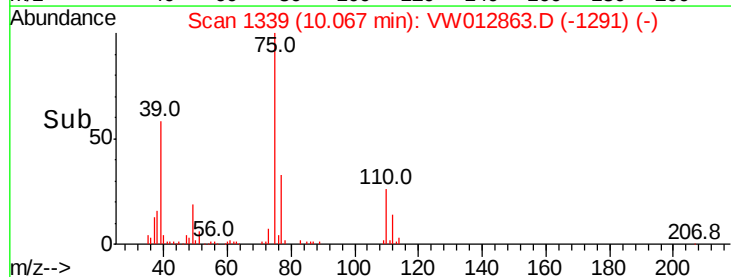
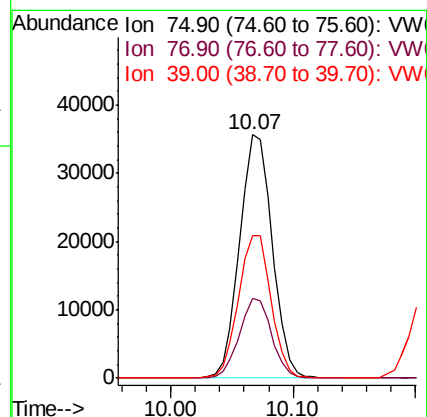
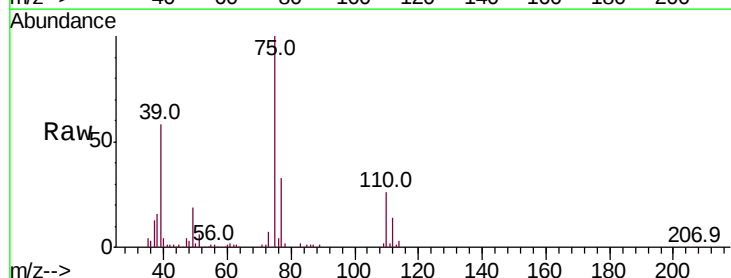
Tgt Ion: 75 Resp: 66087

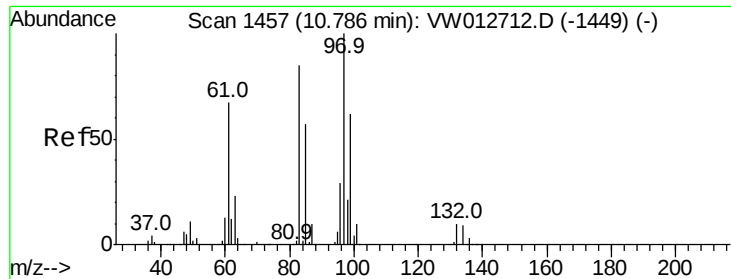
Ion Ratio Lower Upper

75 100

77 32.5 24.6 36.8

39 58.4 46.3 69.5

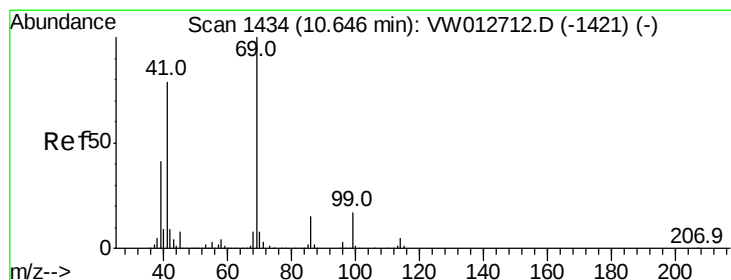
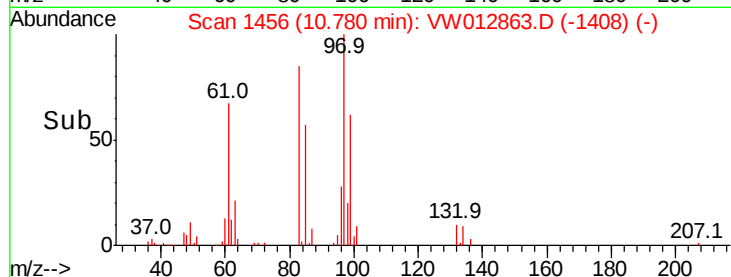
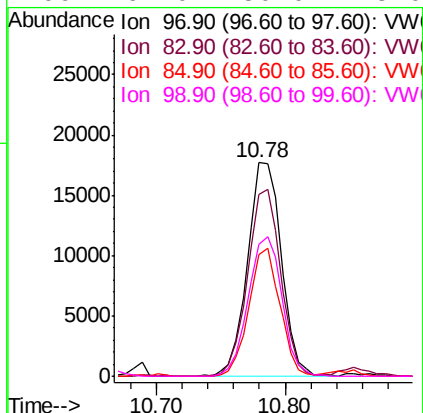
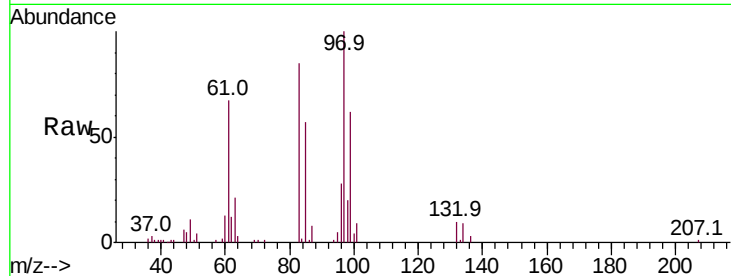




#55
 1,1,2-Trichloroethane
 Concen: 19.051 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

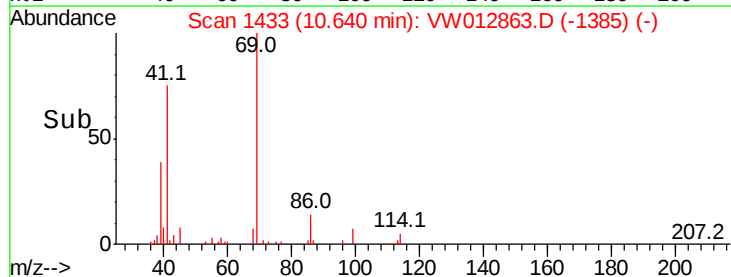
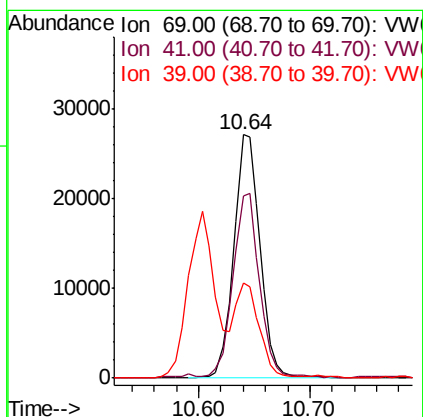
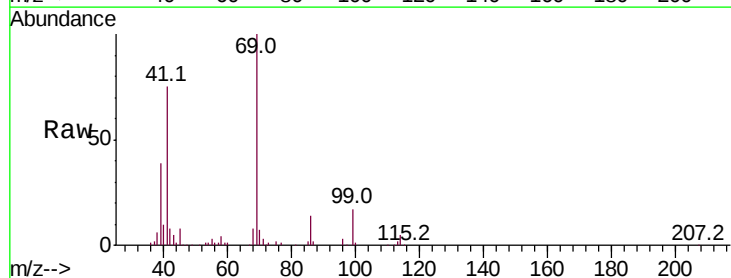
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

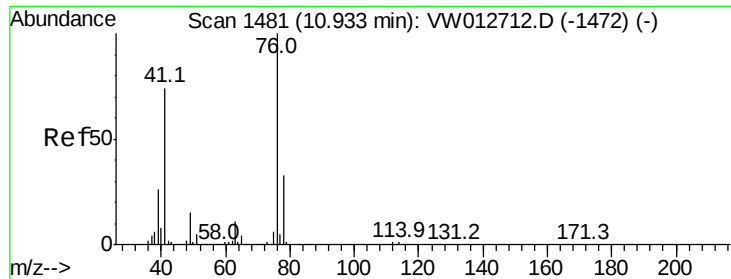
Tot Ion:	97	Resp:	32025
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.1	102.1
85	56.8	45.3	67.9
99	62.0	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 17.984 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion:	69	Resp:	44254
Ion	Ratio	Lower	Upper
69	100		
41	76.0	64.4	96.6
39	33.9	31.1	46.7

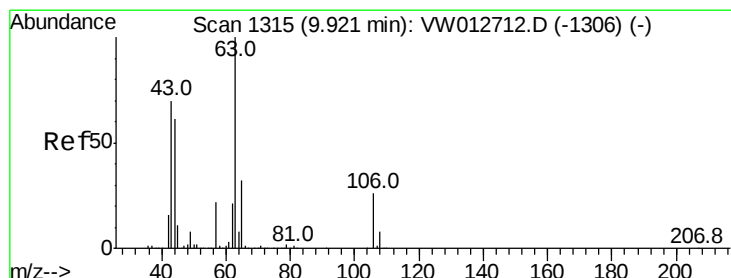
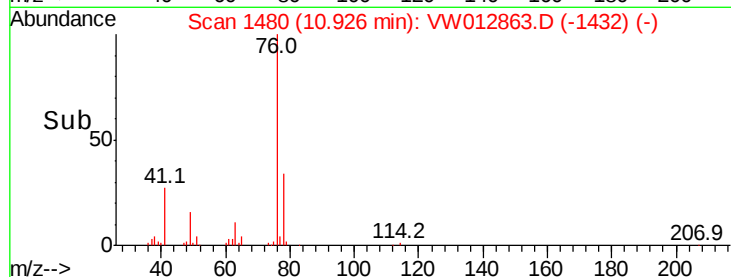
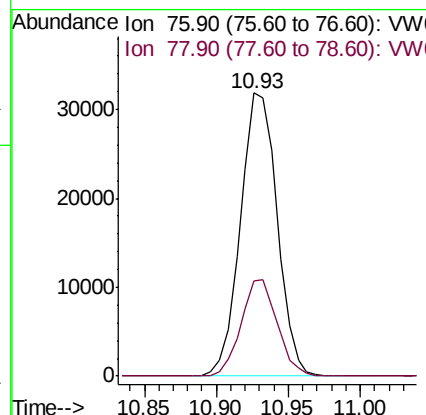
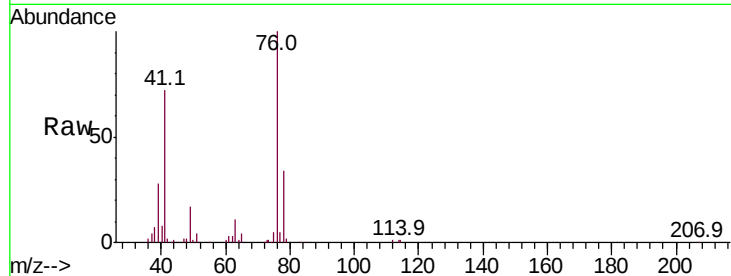




#57
 1,3-Dichloropropane
 Concen: 18.160 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

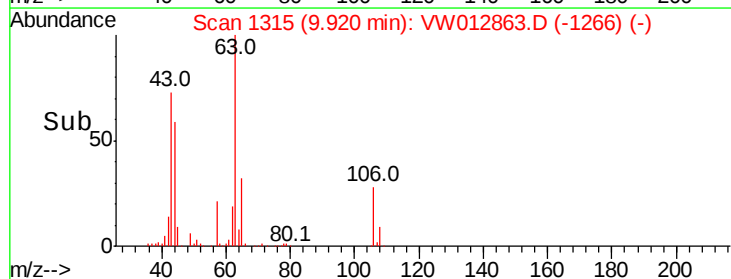
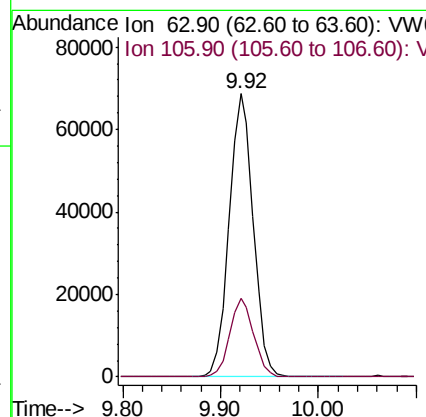
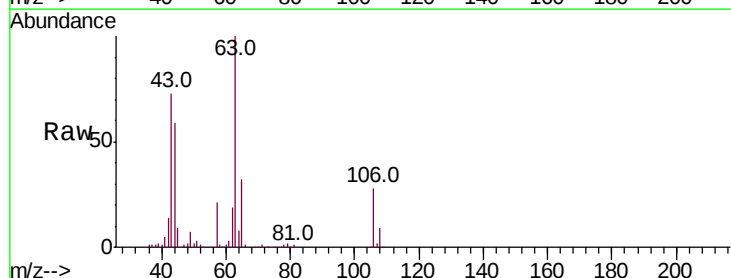
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

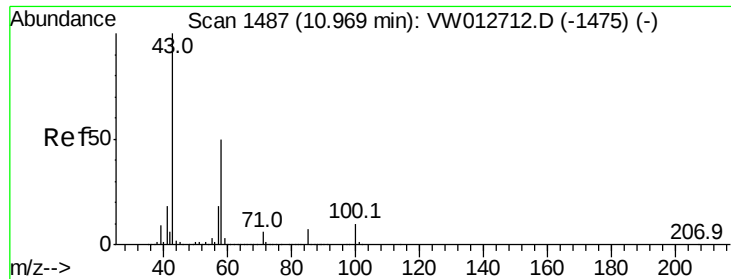
Tot Ion: 76 Resp: 56475
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.457 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion: 63 Resp: 116862
 Ion Ratio Lower Upper
 63 100
 106 27.4 20.5 30.7





#59

2-Hexanone

Concen: 76.311 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

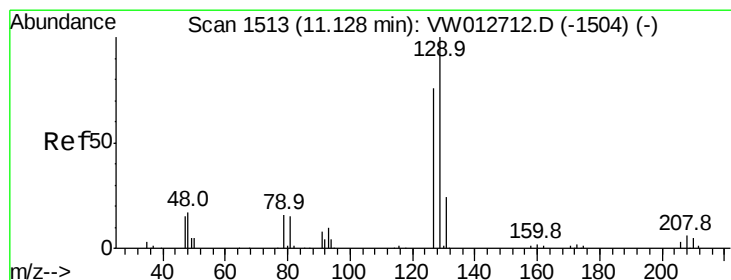
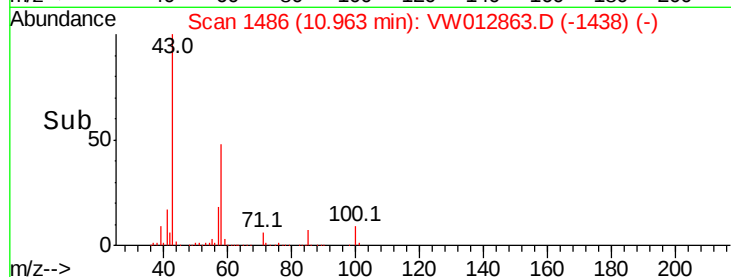
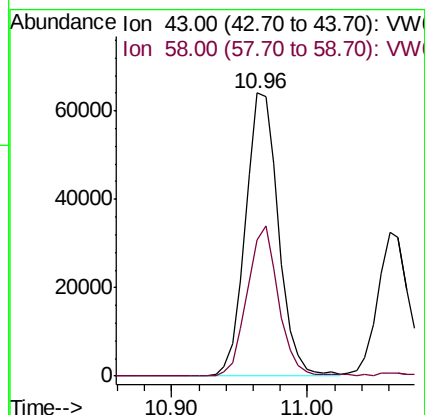
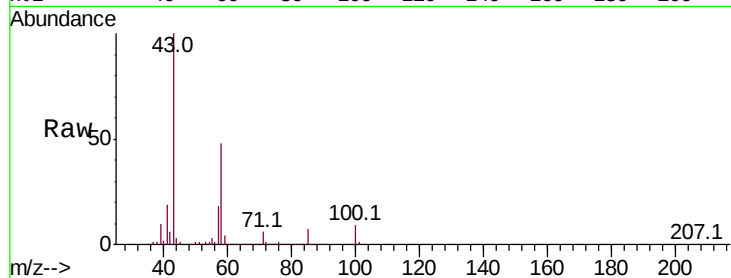
VW0910SBS01

Tot Ion: 43 Resp: 108871

Ion Ratio Lower Upper

43 100

58 50.6 24.7 74.1



#60

Dibromochloromethane

Concen: 18.077 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012863.D

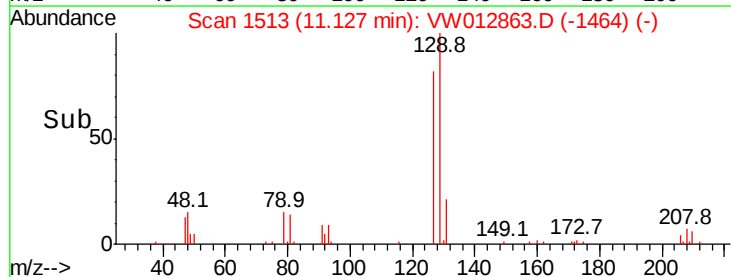
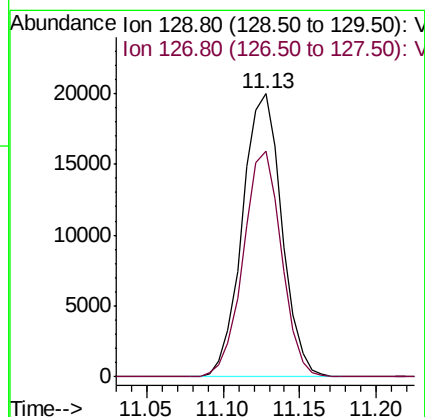
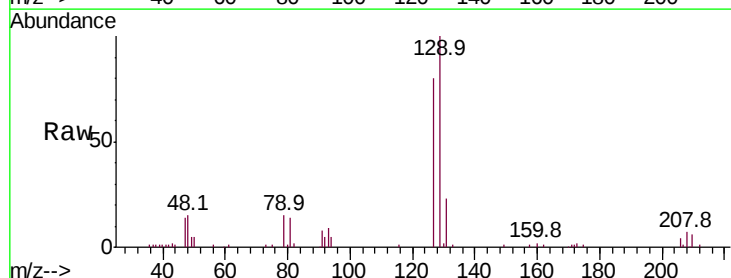
Acq: 10 Sep 2019 12:05

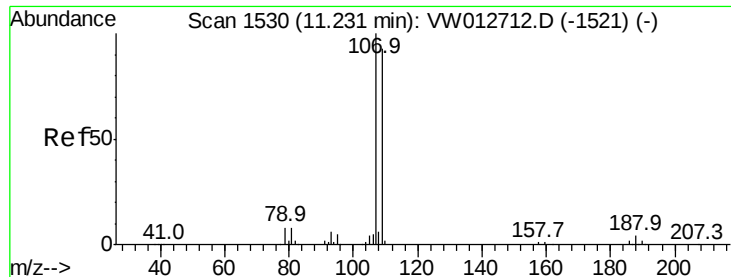
Tgt Ion: 129 Resp: 35739

Ion Ratio Lower Upper

129 100

127 77.4 38.6 115.8

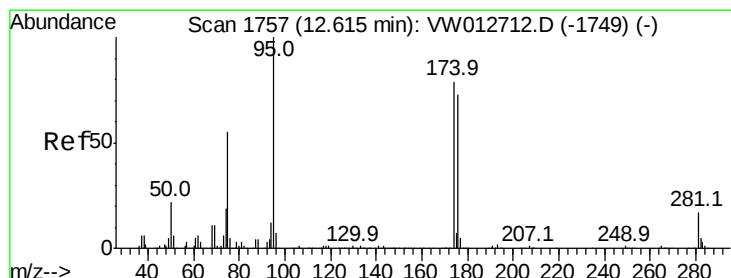
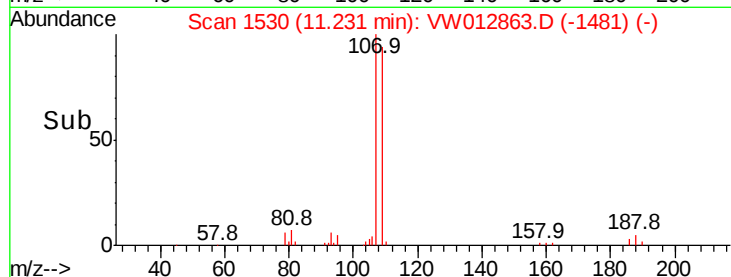
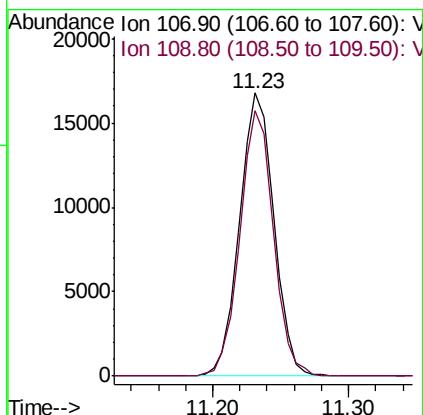
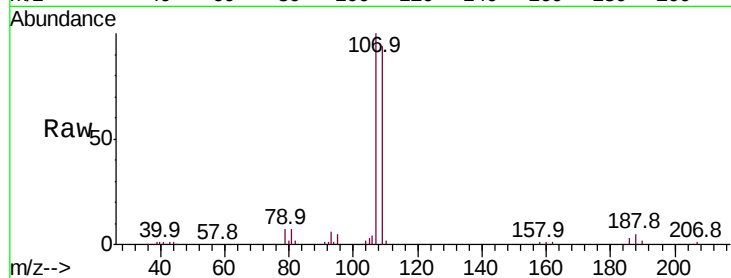




#61
 1,2-Dibromoethane
 Concen: 19.185 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

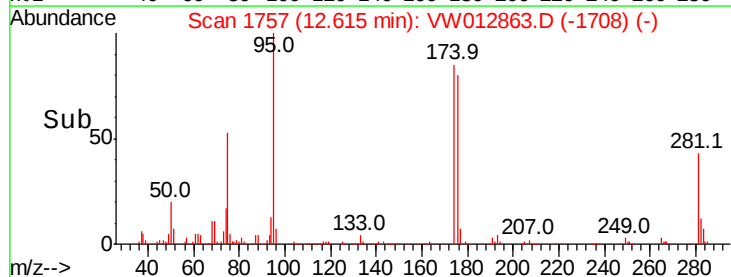
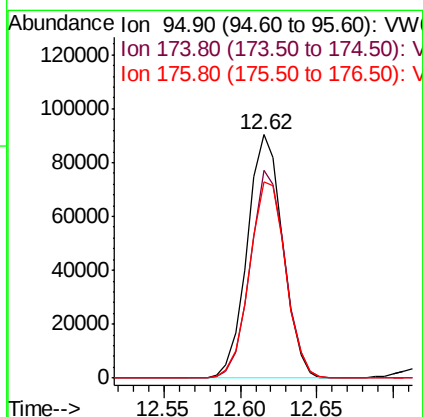
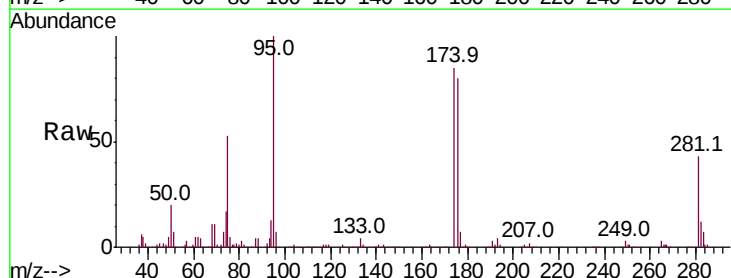
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

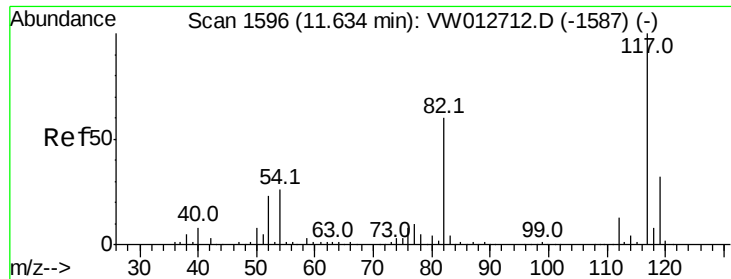
Tot Ion:107 Resp: 29568
 Ion Ratio Lower Upper
 107 100
 109 91.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.683 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion: 95 Resp: 145695
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 161.0
 176 82.4 0.0 156.4

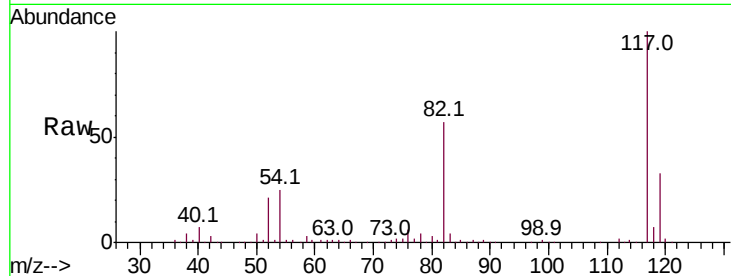




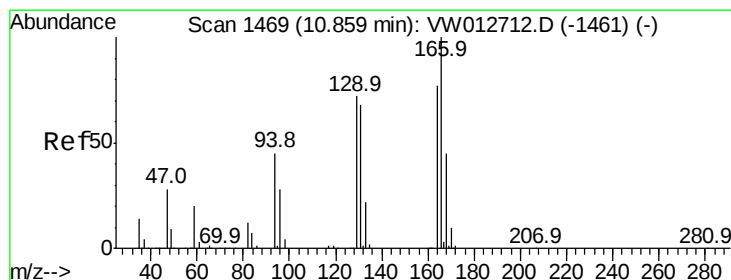
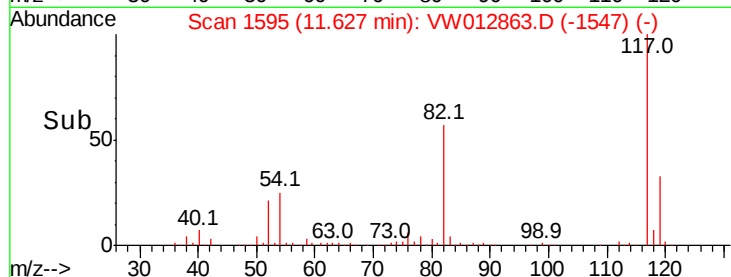
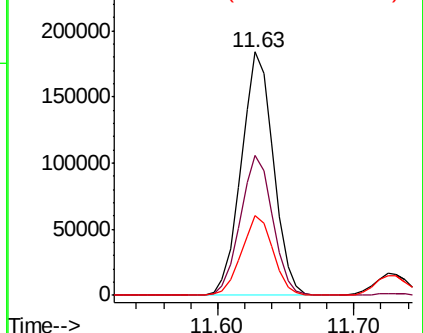
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

Tot Ion:117 Resp: 303151
Ion Ratio Lower Upper
117 100
82 57.4 48.2 72.4
119 32.8 25.8 38.6

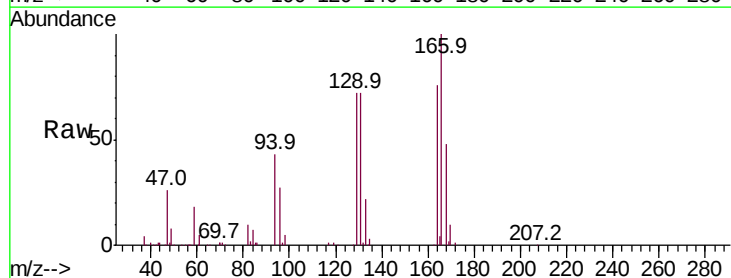


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

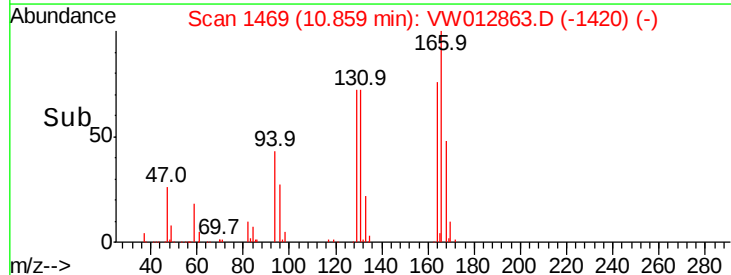
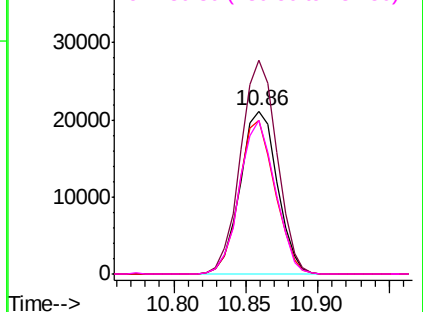


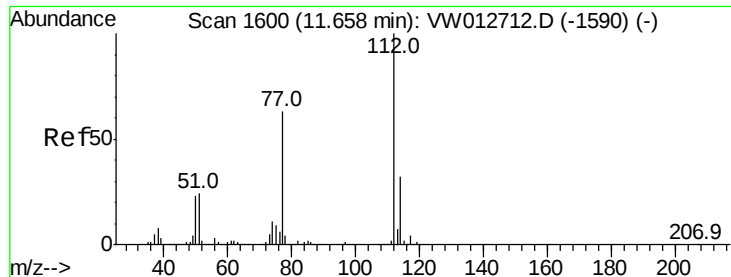
#64
Tetrachloroethene
Concen: 20.481 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion:164 Resp: 37674
Ion Ratio Lower Upper
164 100
166 131.0 103.6 155.4
129 93.8 74.6 112.0
131 93.8 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.928 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

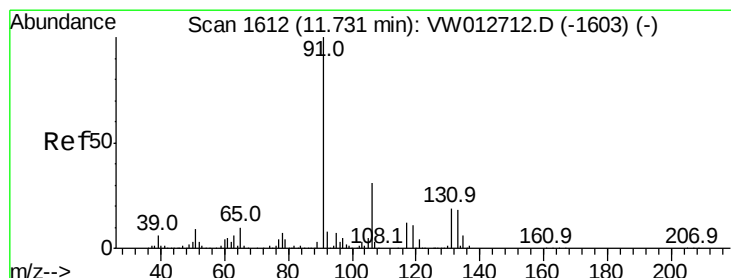
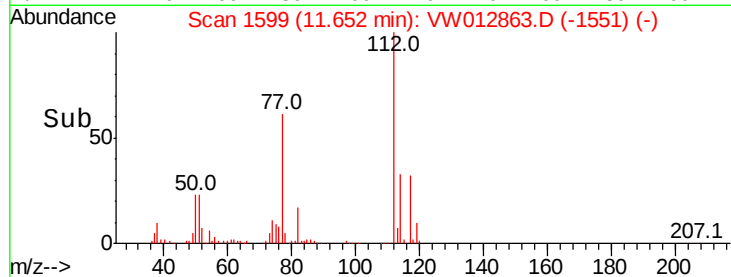
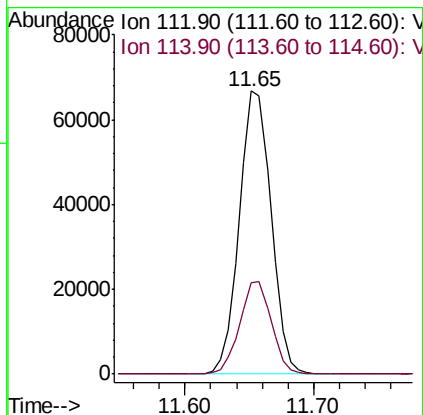
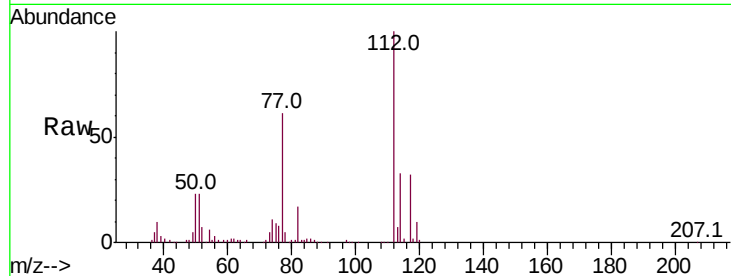
VW0910SBS01

Tot Ion:112 Resp: 114182

Ion Ratio Lower Upper

112 100

114 32.5 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.066 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

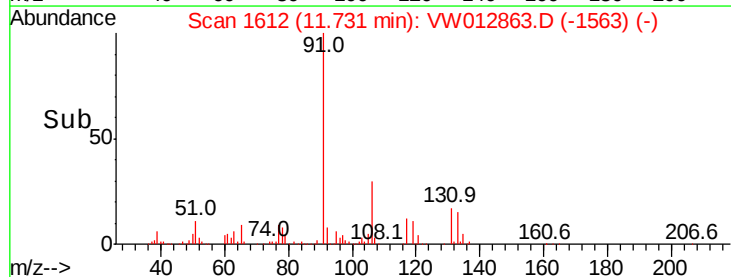
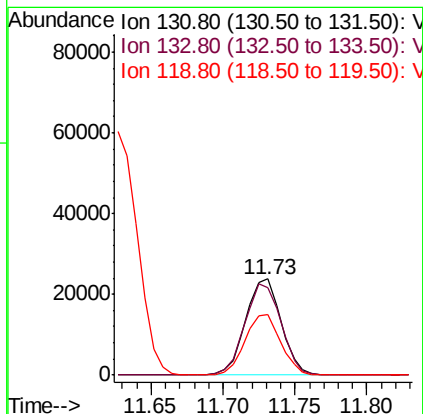
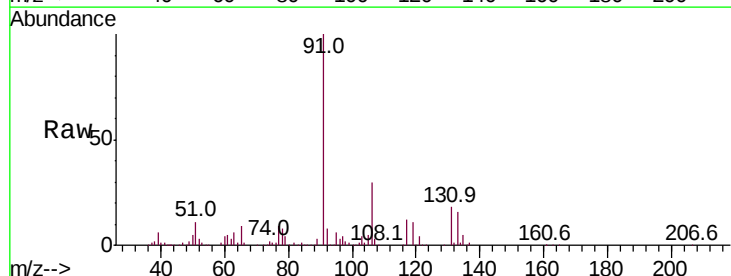
Tgt Ion:131 Resp: 40681

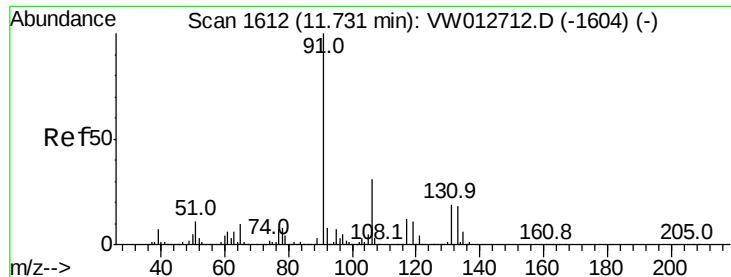
Ion Ratio Lower Upper

131 100

133 97.0 47.6 142.8

119 63.2 30.6 92.0

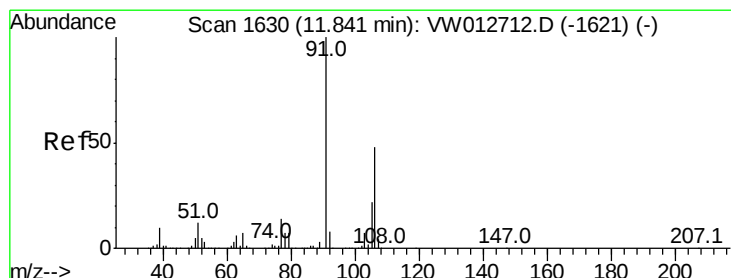
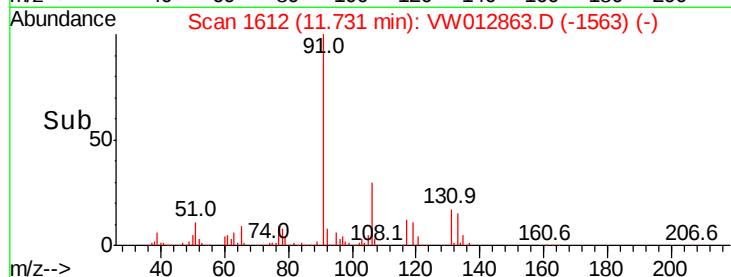
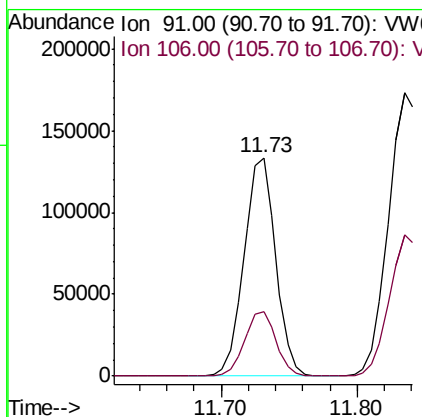
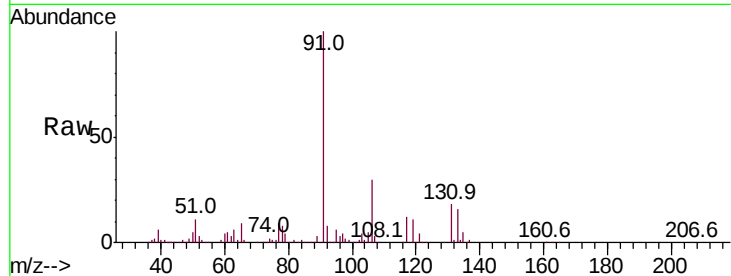




#67
Ethyl Benzene
Concen: 20.137 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

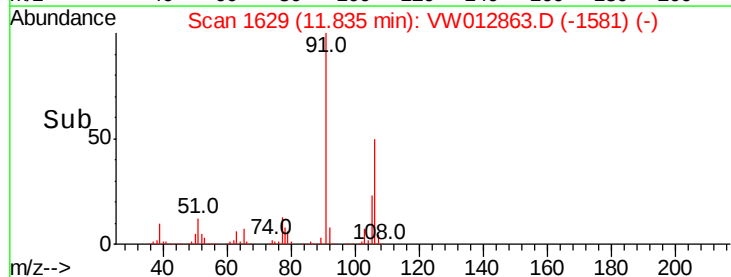
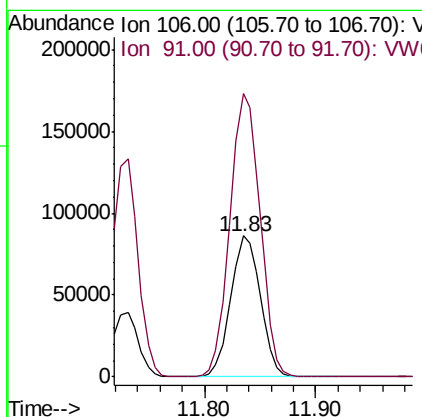
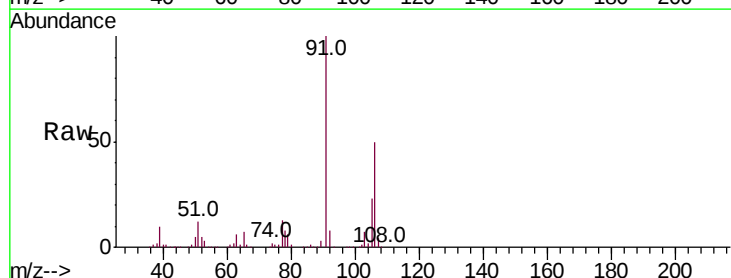
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

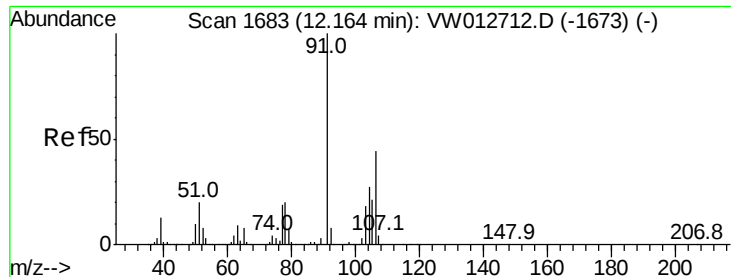
Tot Ion: 91 Resp: 216474
Ion Ratio Lower Upper
91 100
106 29.6 24.4 36.6



#68
m/p-Xylenes
Concen: 41.029 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion: 106 Resp: 159205
Ion Ratio Lower Upper
106 100
91 203.8 168.2 252.4

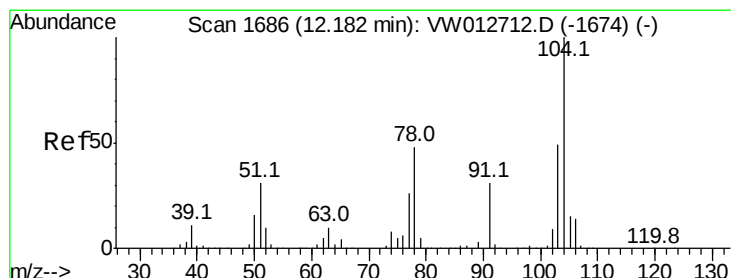
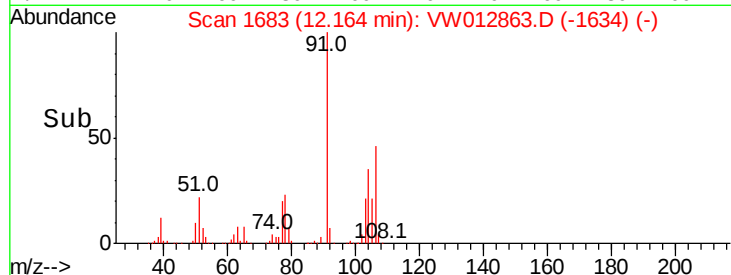
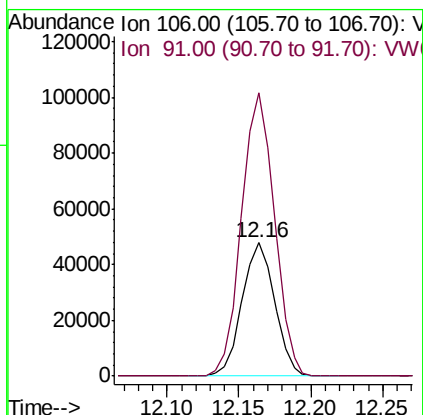
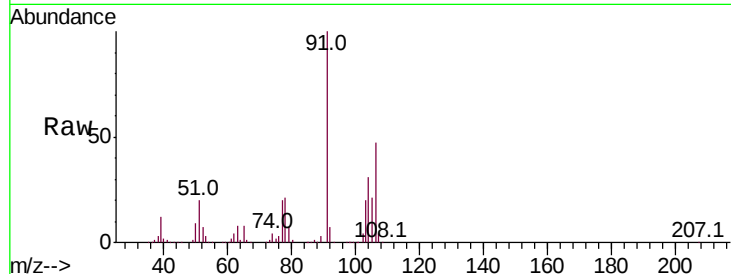




#69
o-Xylene
Concen: 20.552 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

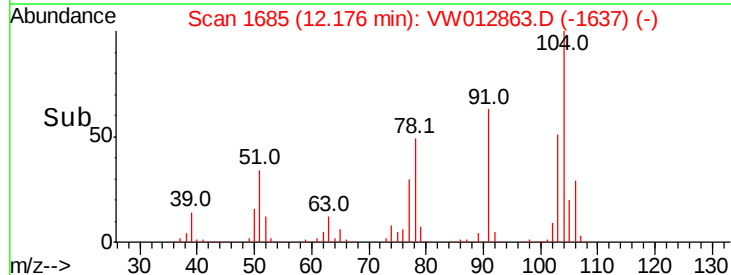
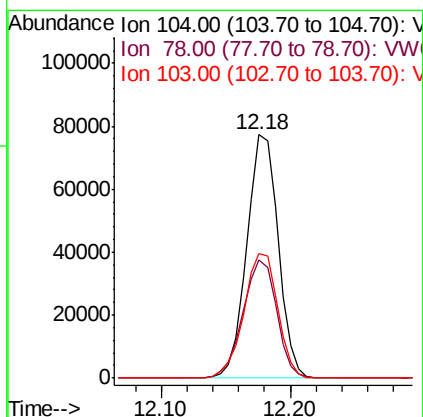
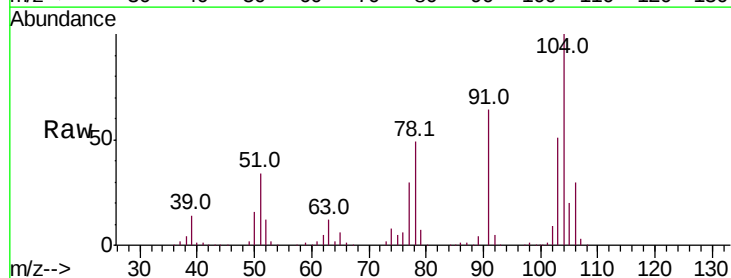
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

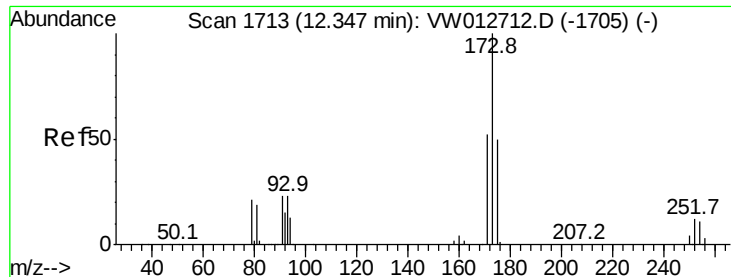
Tot Ion:106 Resp: 75237
Ion Ratio Lower Upper
106 100
91 214.5 112.3 336.8



#70
Styrene
Concen: 20.084 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion:104 Resp: 129919
Ion Ratio Lower Upper
104 100
78 52.2 43.3 64.9
103 55.4 44.0 66.0





#71

Bromoform

Concen: 17.509 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

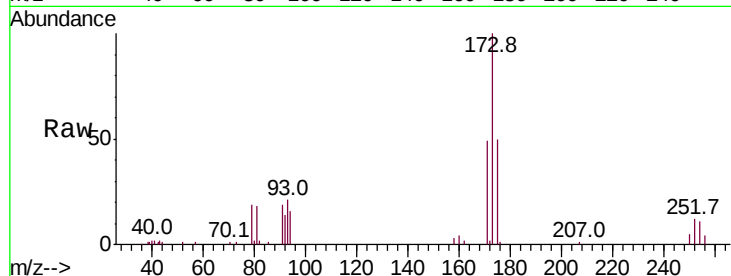
Tot Ion:173 Resp: 20757

Ion Ratio Lower Upper

173 100

175 50.6 24.8 74.3

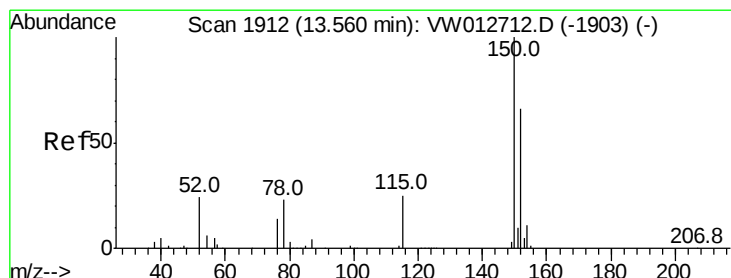
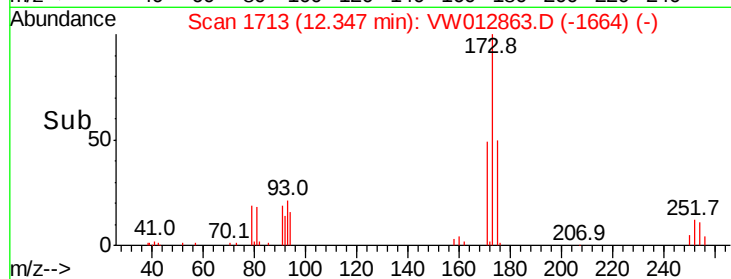
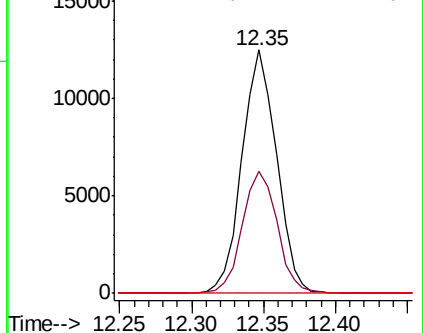
254 0.0 0.1 0.1#



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

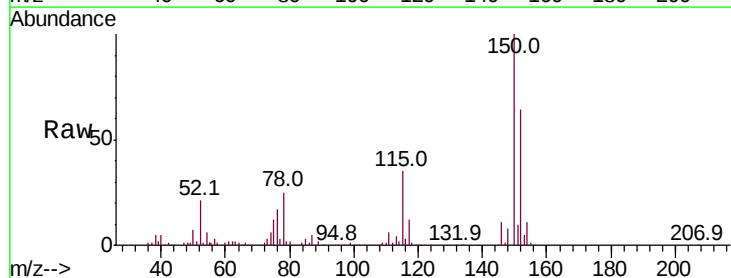
Tgt Ion:152 Resp: 150067

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.1

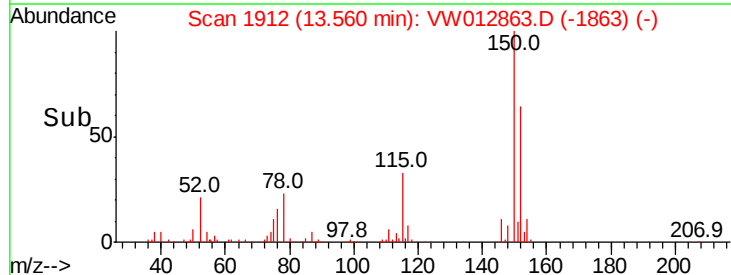
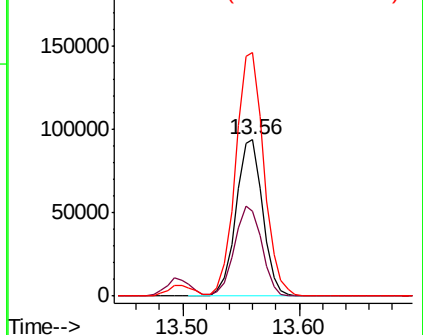
150 164.4 0.0 349.0

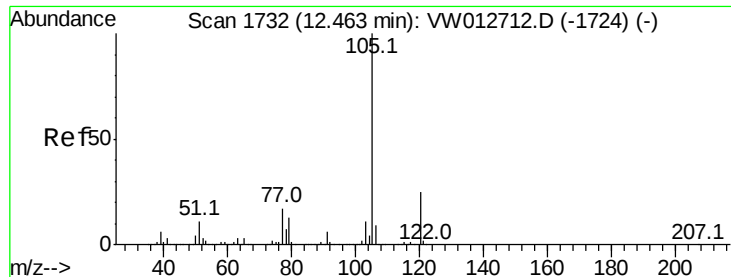


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.878 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

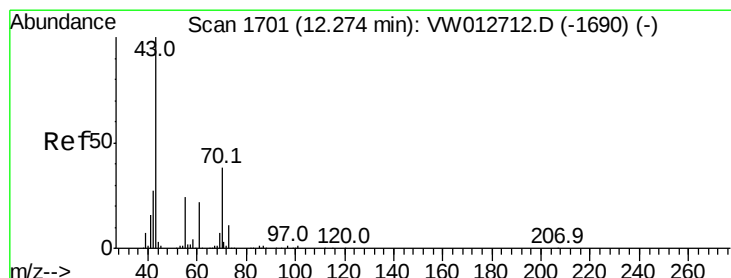
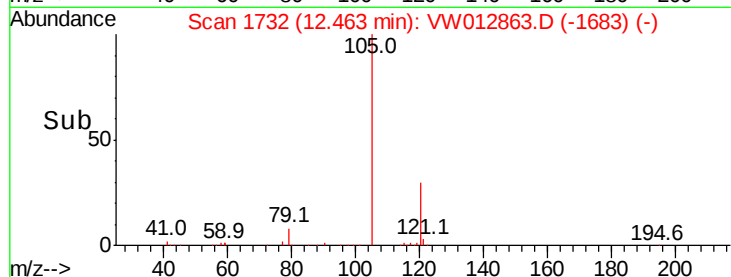
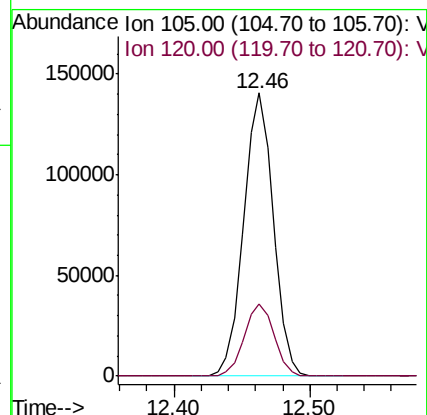
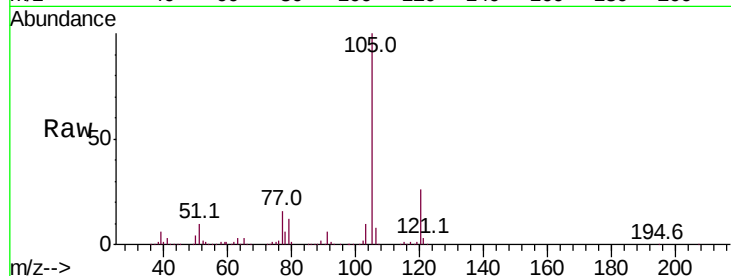
VW0910SBS01

Tot Ion:105 Resp: 213953

Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9



#74

N-ethyl acetate

Concen: 16.234 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Tgt Ion: 43 Resp: 55461

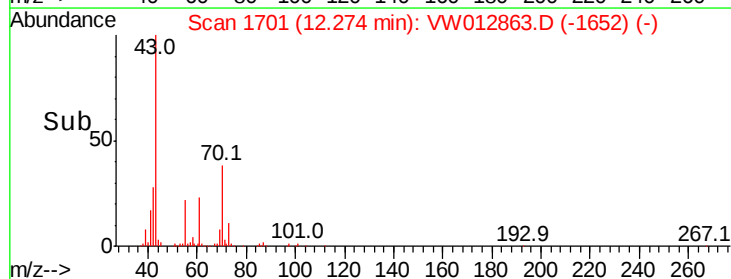
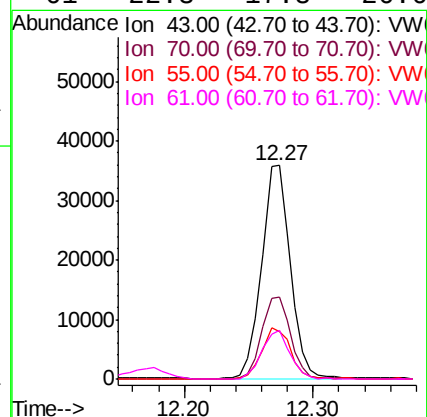
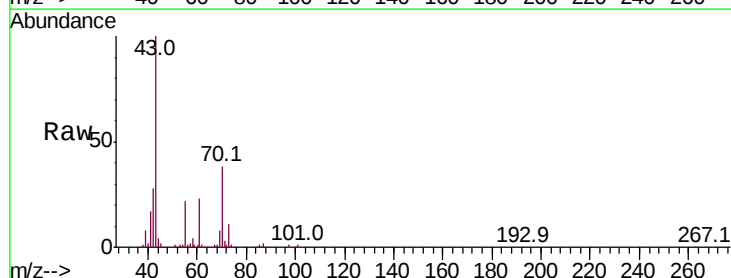
Ion Ratio Lower Upper

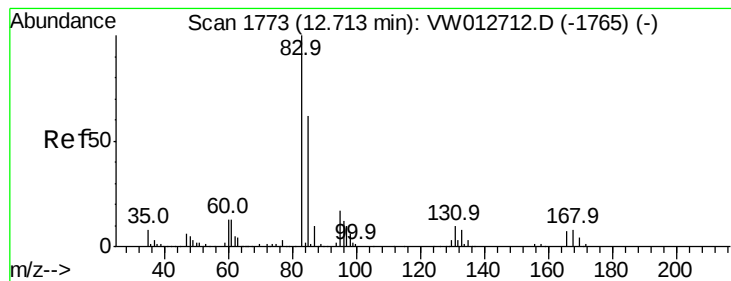
43 100

70 38.7 29.4 44.0

55 24.2 18.6 27.8

61 22.3 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 16.540 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

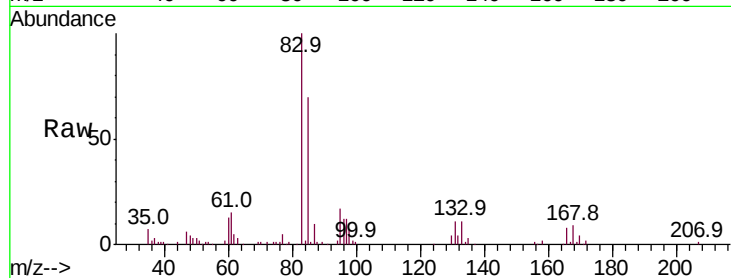
Tot Ion: 83 Resp: 35753

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.4

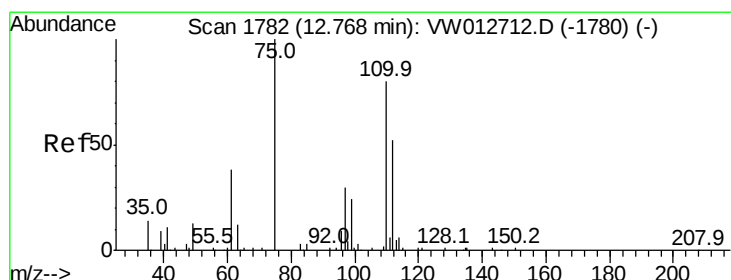
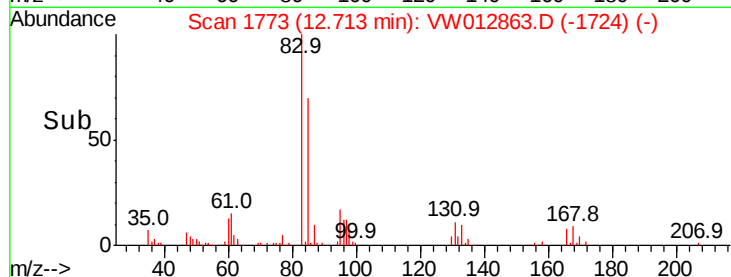
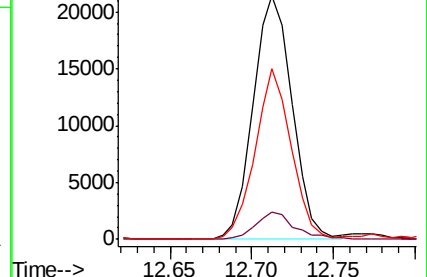
85 64.9 31.4 94.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.044 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW012863.D

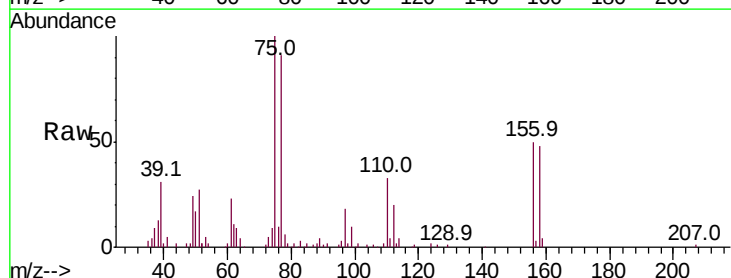
Acq: 10 Sep 2019 12:05

Tgt Ion: 75 Resp: 49171

Ion Ratio Lower Upper

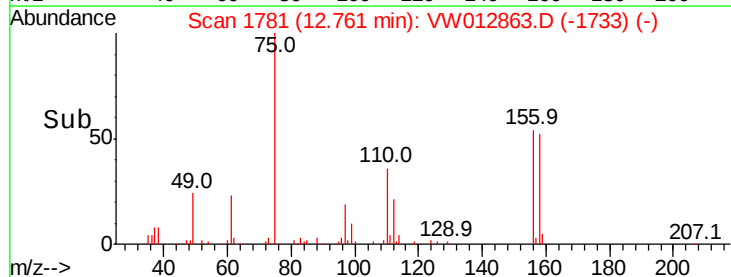
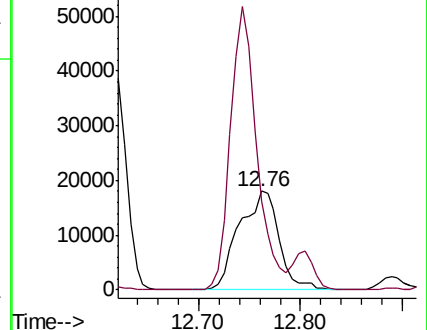
75 100

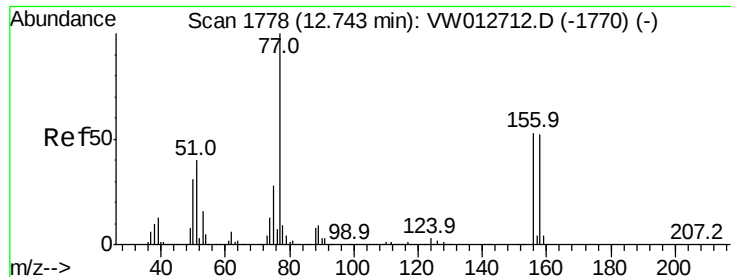
77 189.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

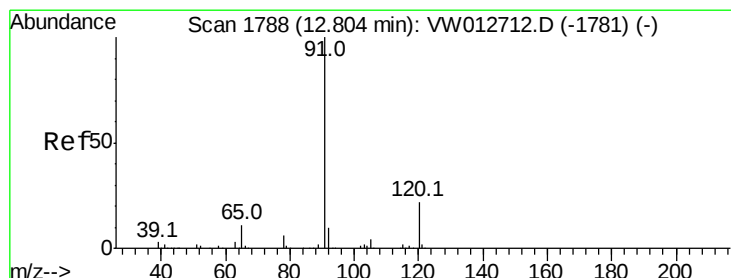
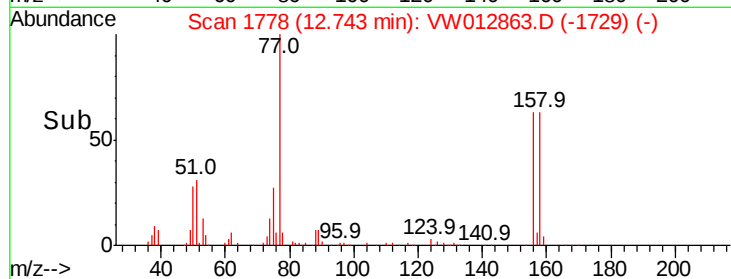
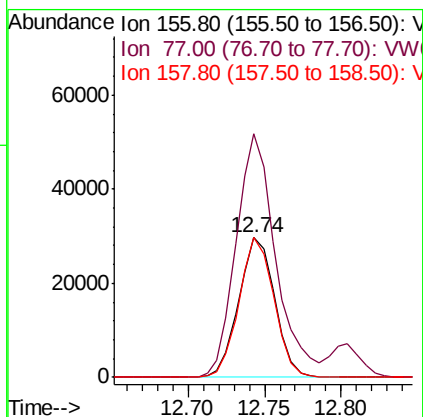
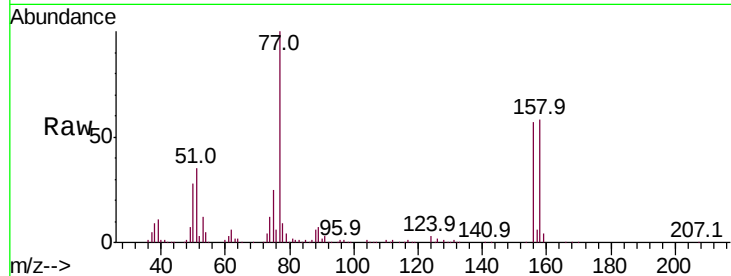




#77
Bromobenzene
Concen: 19.902 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

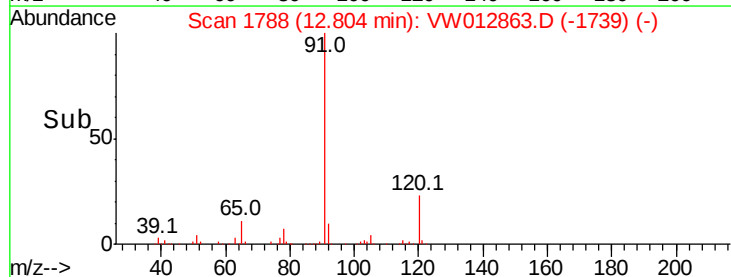
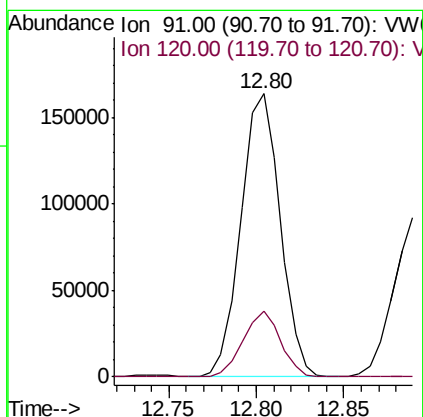
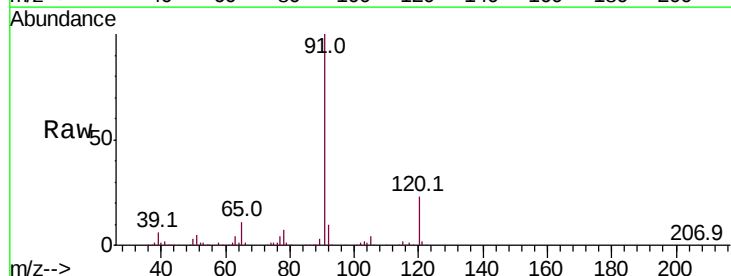
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

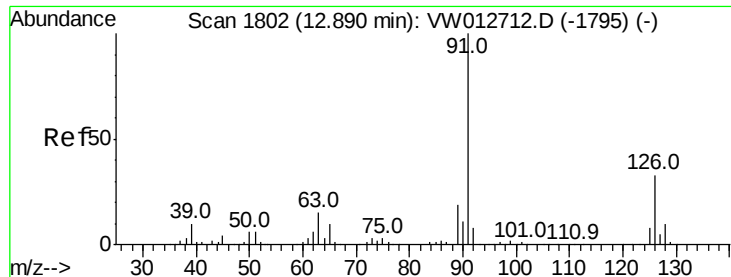
Tot Ion:156 Resp: 48531
Ion Ratio Lower Upper
156 100
77 191.5 102.3 306.9
158 97.3 48.9 146.8



#78
n-propylbenzene
Concen: 19.872 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion: 91 Resp: 255814
Ion Ratio Lower Upper
91 100
120 22.2 11.0 33.0

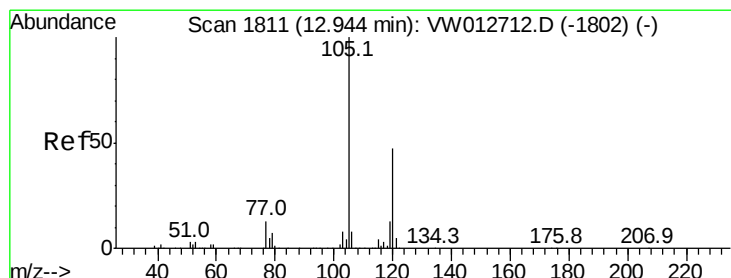
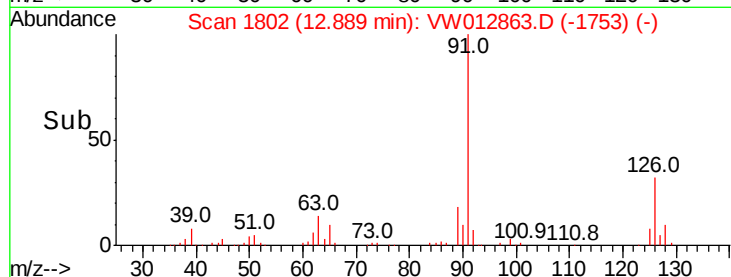
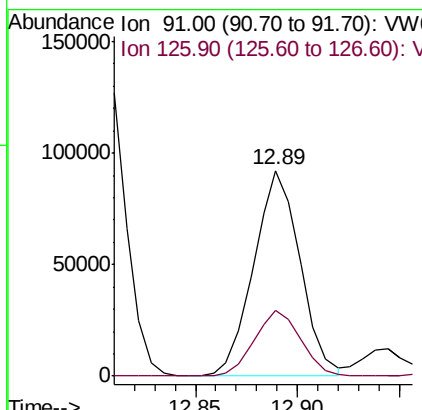
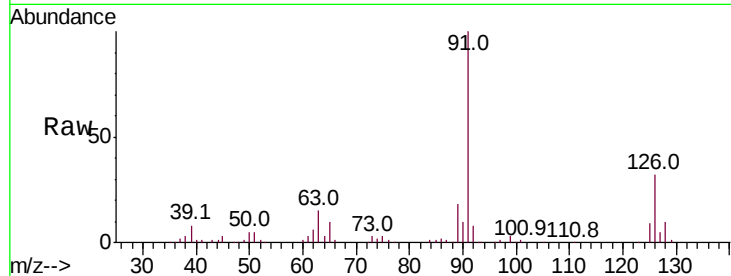




#79
2-Chlorotoluene
Concen: 19.681 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

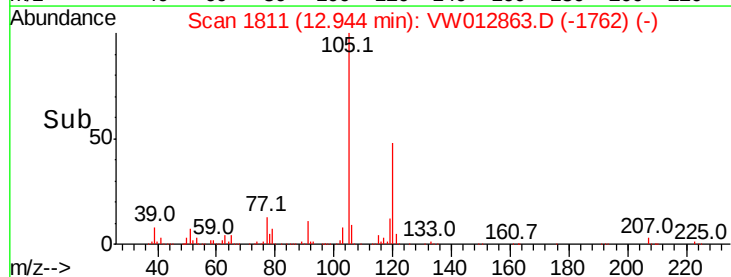
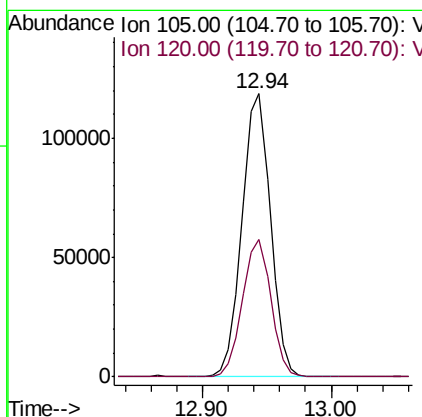
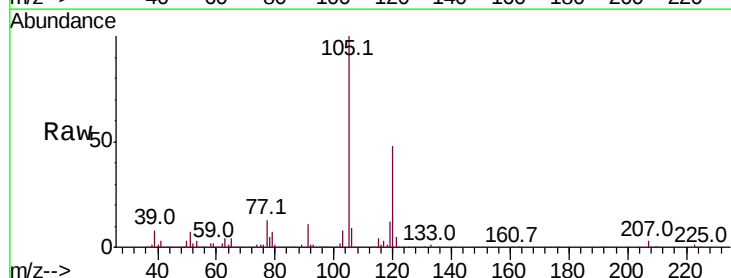
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

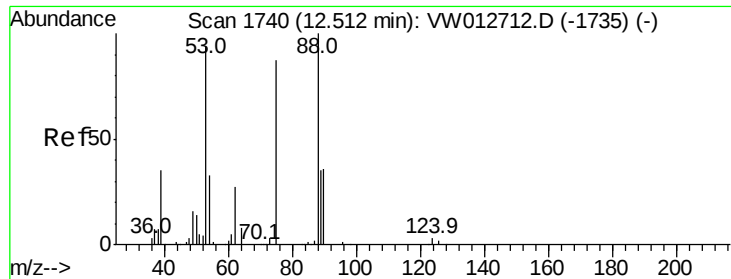
Tot Ion: 91 Resp: 145441
Ion Ratio Lower Upper
91 100
126 32.5 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 19.958 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion:105 Resp: 181012
Ion Ratio Lower Upper
105 100
120 48.7 23.9 71.8

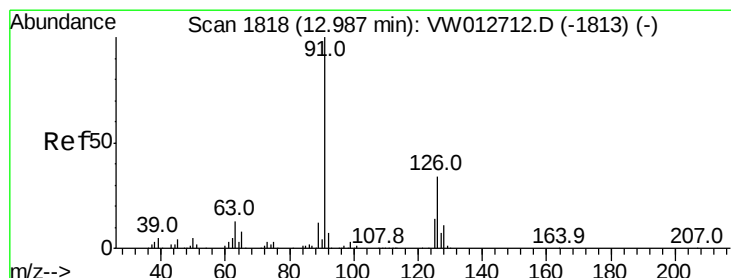
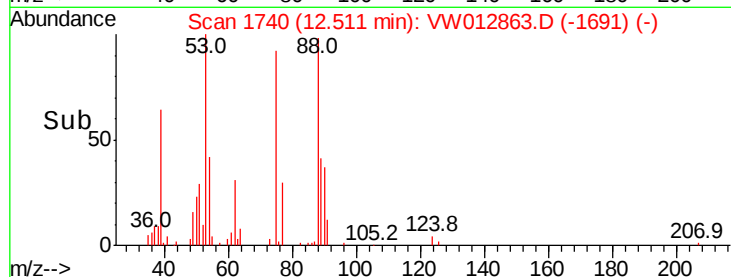
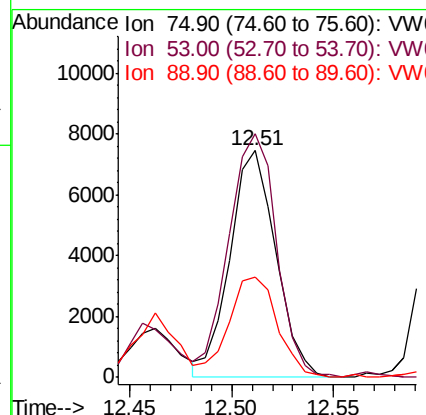
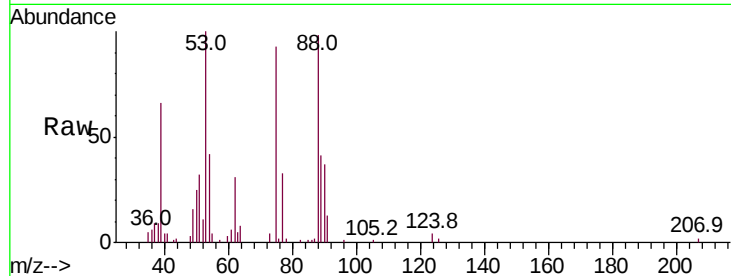




#81
trans-1,4-Dichloro-2-butene
Concen: 16.055 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

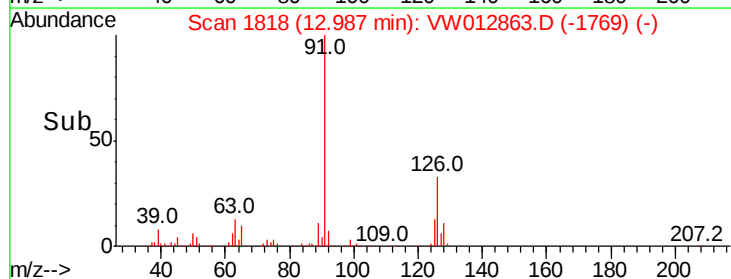
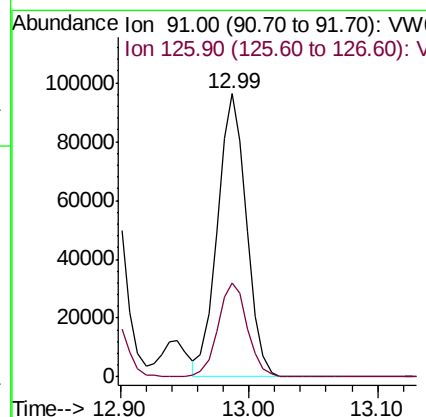
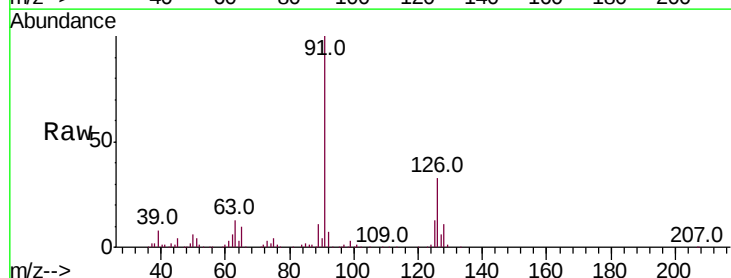
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBS01

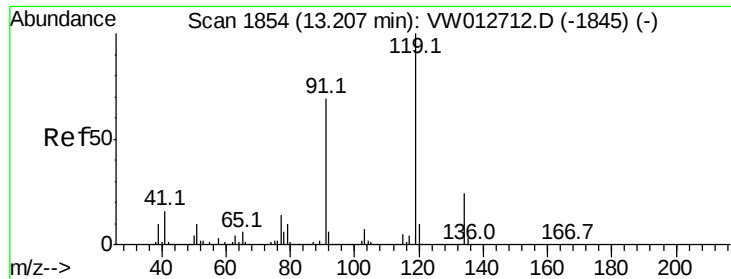
Tot Ion: 75 Resp: 11648
Ion Ratio Lower Upper
75 100
53 111.9 87.6 131.4
89 47.2 35.5 53.3



#82
4-Chlorotoluene
Concen: 19.447 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012863.D
Acq: 10 Sep 2019 12:05

Tgt Ion: 91 Resp: 152014
Ion Ratio Lower Upper
91 100
126 33.6 15.9 47.6

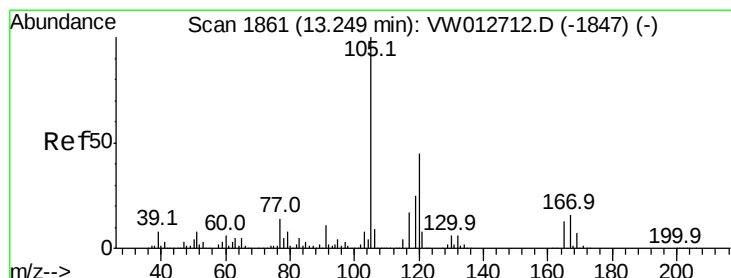
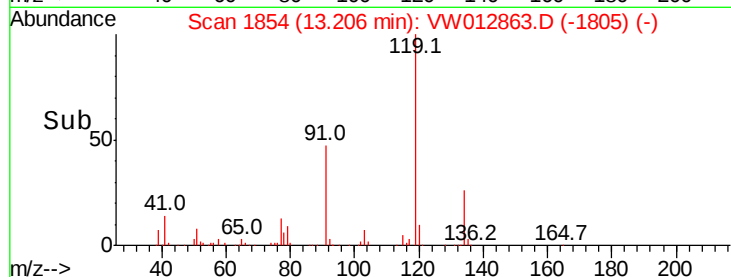
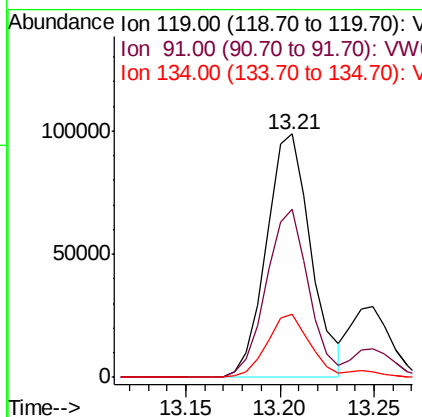
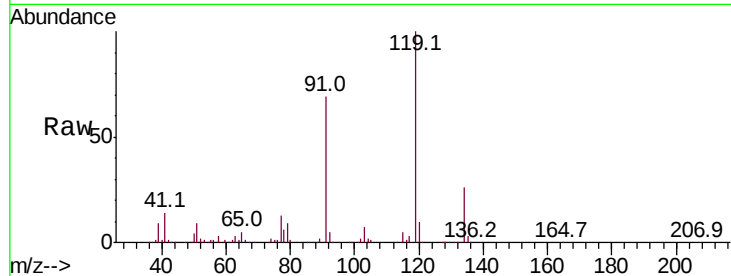




#83
 tert-Butylbenzene
 Concen: 20.236 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

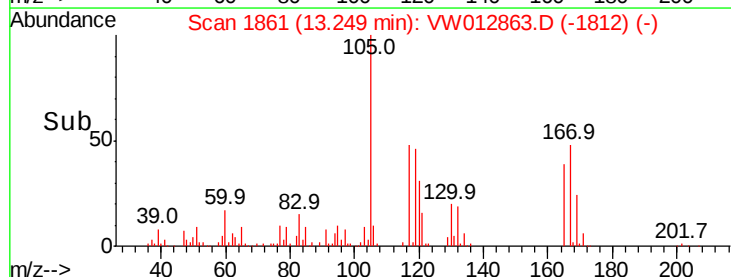
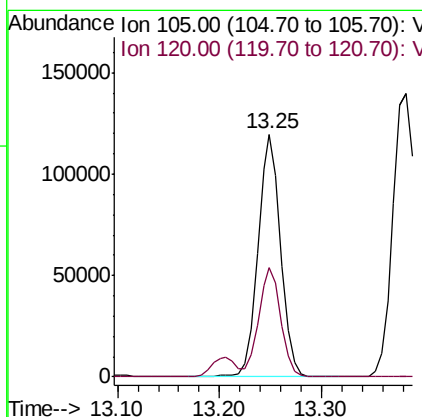
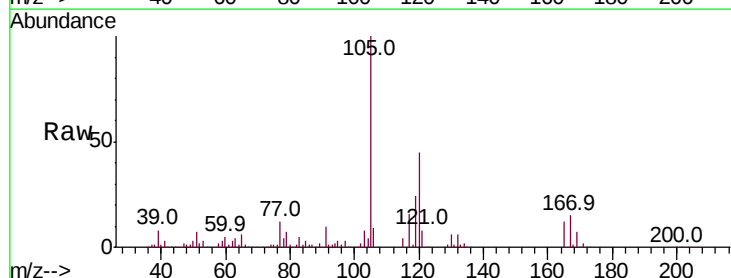
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

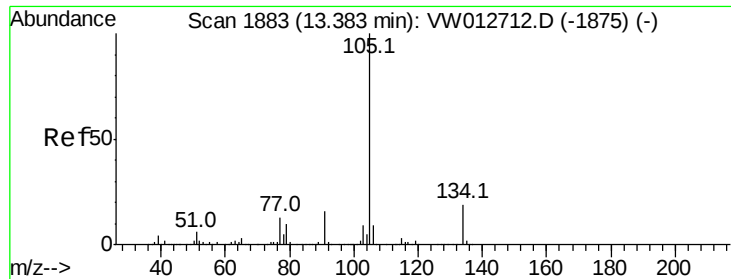
Tot Ion:119 Resp: 162280
 Ion Ratio Lower Upper
 119 100
 91 65.9 34.2 102.5
 134 25.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.226 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion:105 Resp: 184836
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.3





#85

sec-Butylbenzene

Concen: 19.735 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

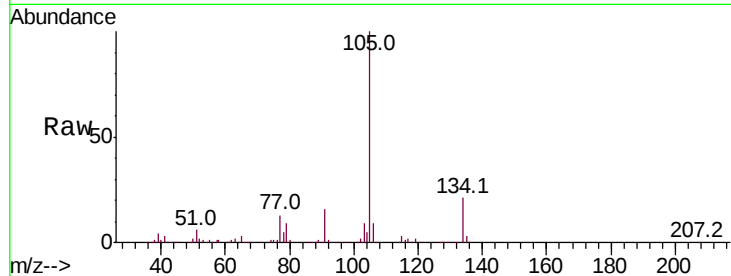
VW0910SBS01

Tot Ion:105 Resp: 219609

Ion Ratio Lower Upper

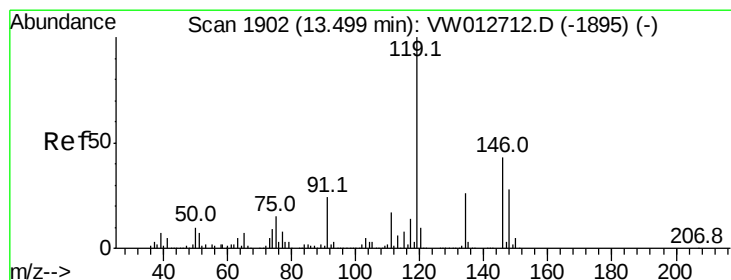
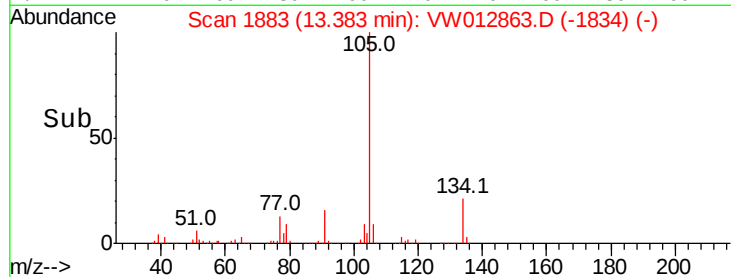
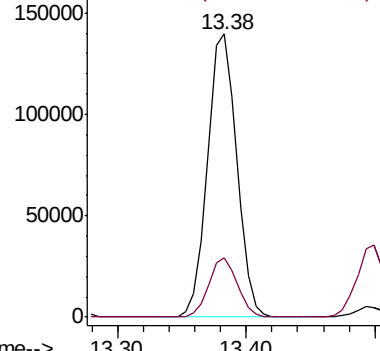
105 100

134 20.5 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: 20.067 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

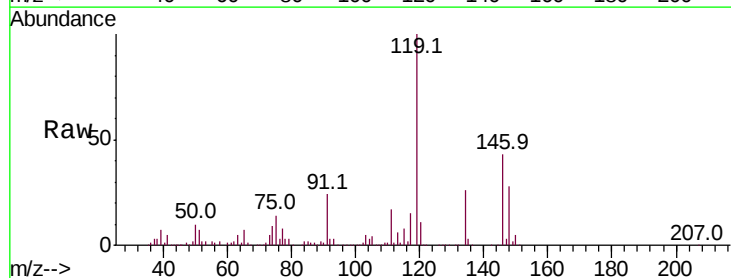
Tgt Ion:119 Resp: 203969

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

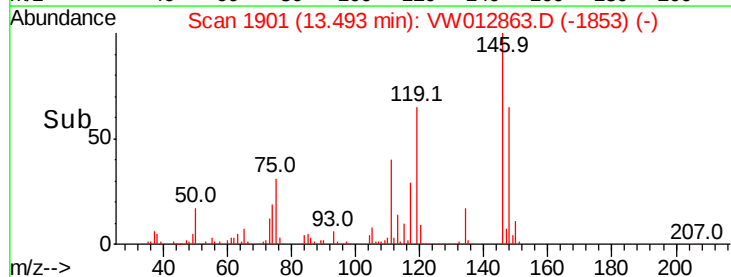
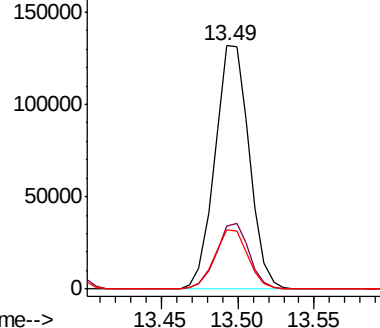
91 23.9 12.2 36.6

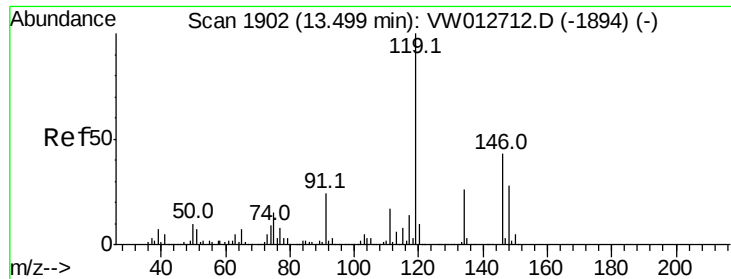


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.067 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

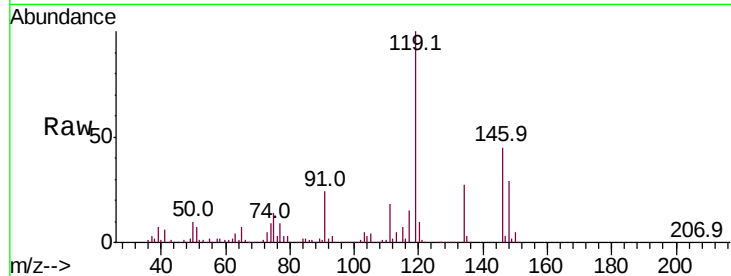
Tot Ion:146 Resp: 96183

Ion Ratio Lower Upper

146 100

111 39.4 20.4 61.2

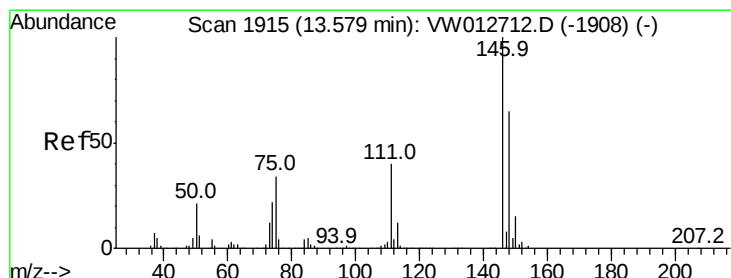
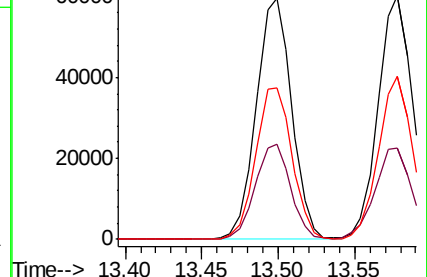
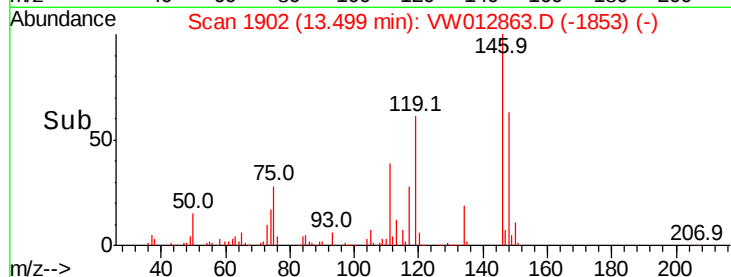
148 64.6 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.825 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

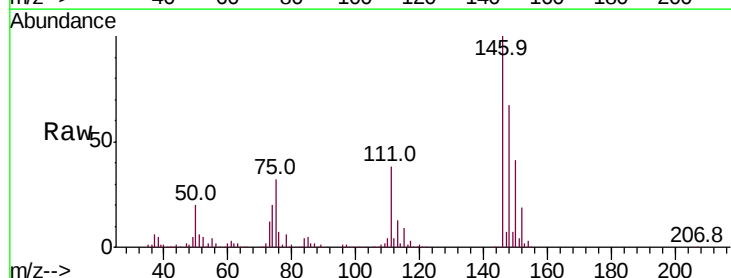
Tgt Ion:146 Resp: 94554

Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

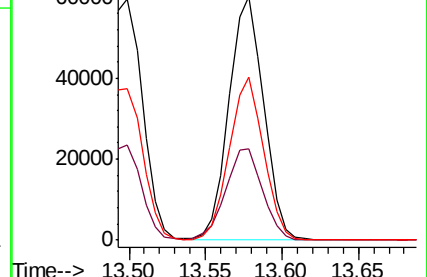
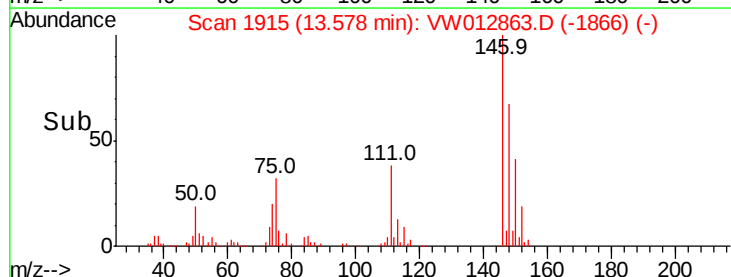
148 66.3 32.2 96.6

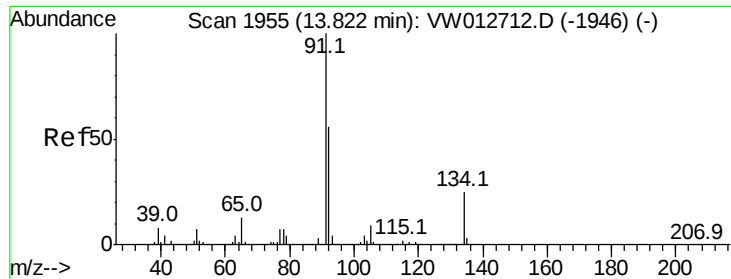


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.836 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

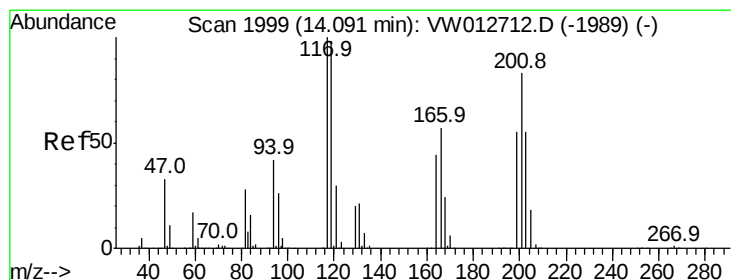
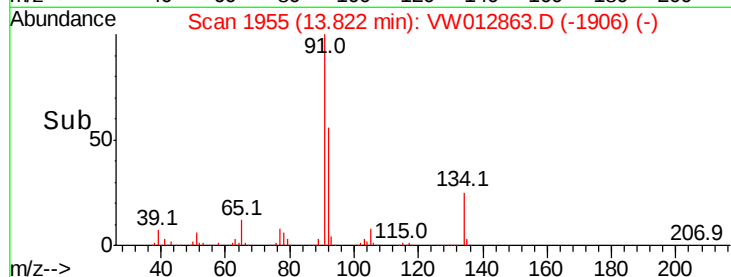
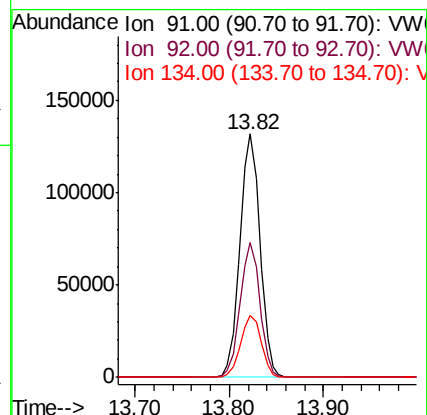
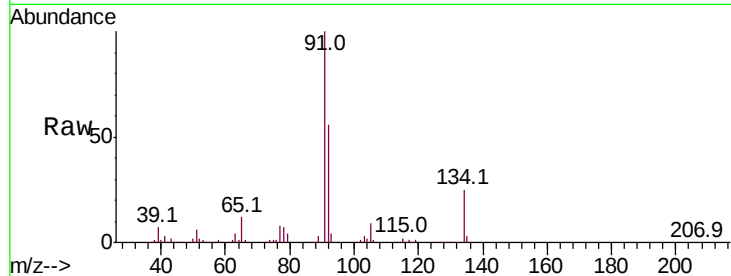
Tot Ion: 91 Resp: 195744

Ion Ratio Lower Upper

91 100

92 54.6 27.2 81.5

134 25.9 12.7 38.1



#90

Hexachloroethane

Concen: 18.415 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012863.D

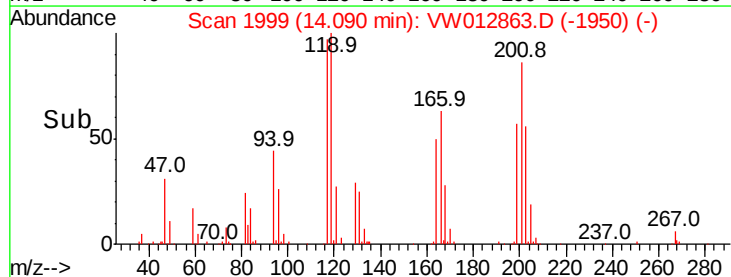
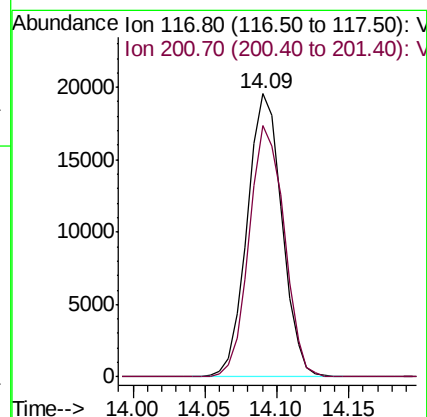
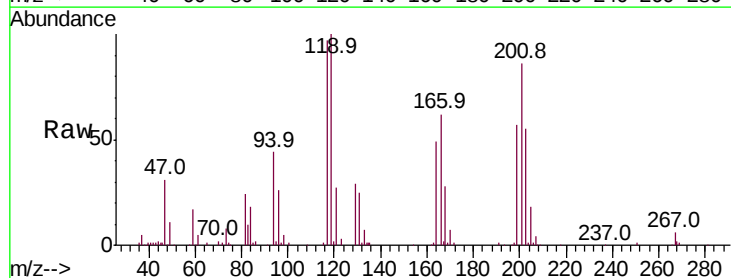
Acq: 10 Sep 2019 12:05

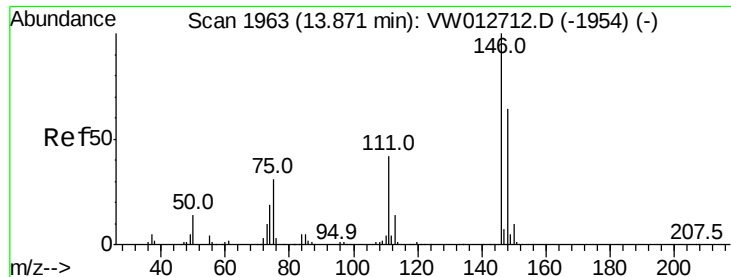
Tgt Ion: 117 Resp: 32677

Ion Ratio Lower Upper

117 100

201 89.1 42.8 128.4

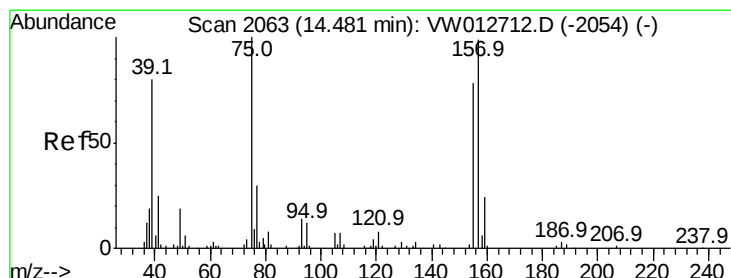
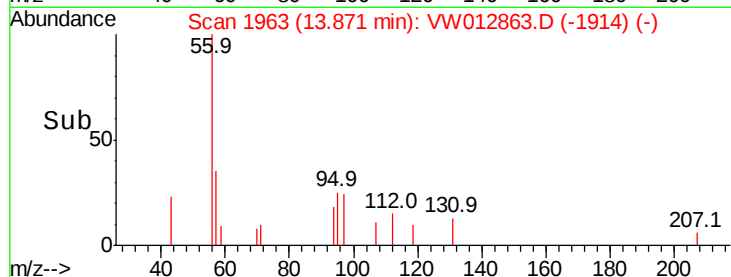
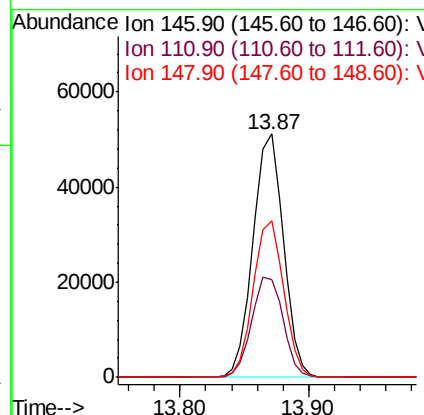
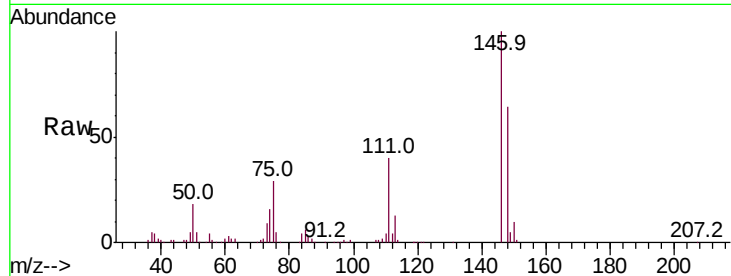




#91
 1,2-Dichlorobenzene
 Concen: 19.353 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

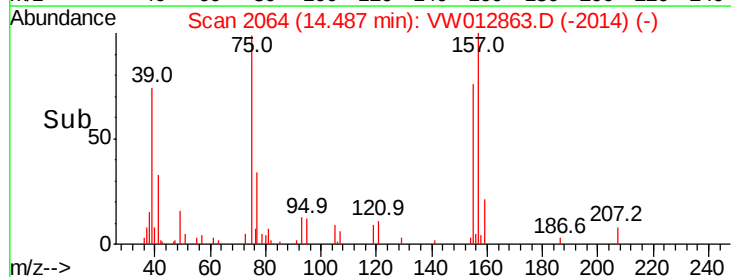
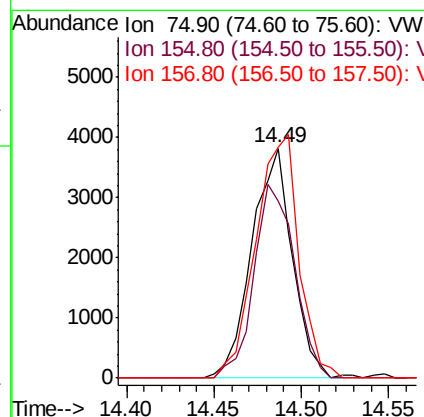
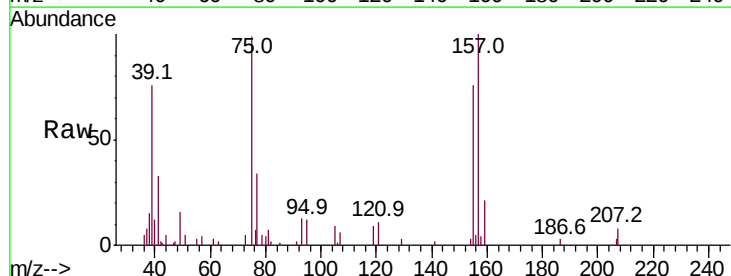
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

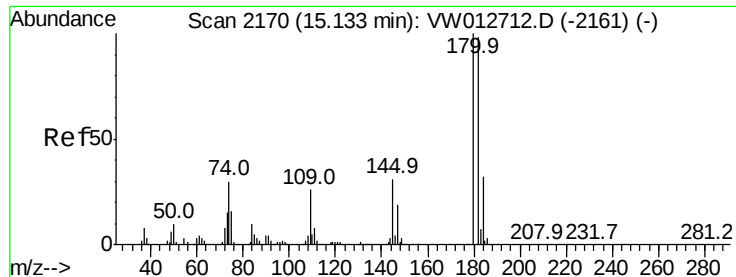
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	64.4	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.592 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	40.6	122.0
157	111.7	52.5	157.5

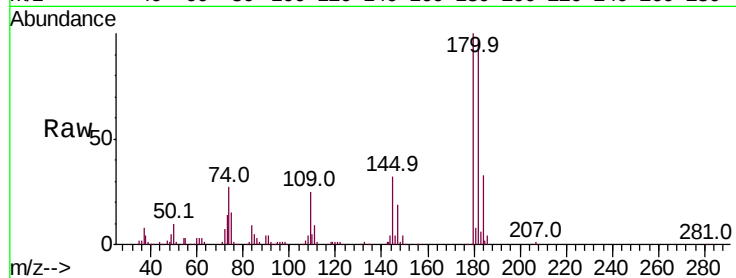




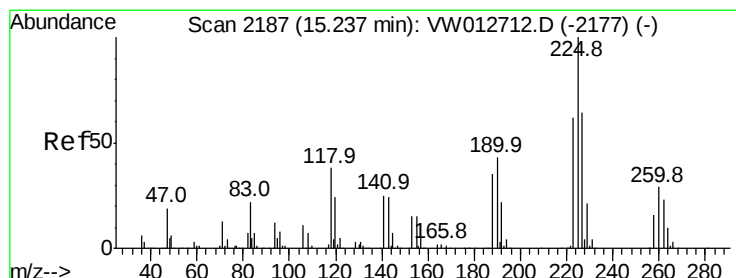
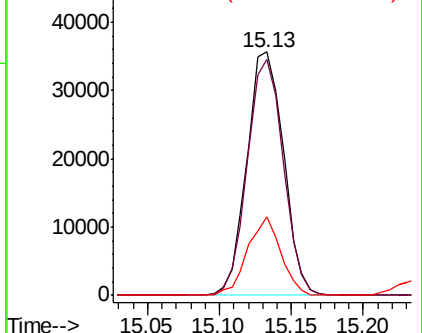
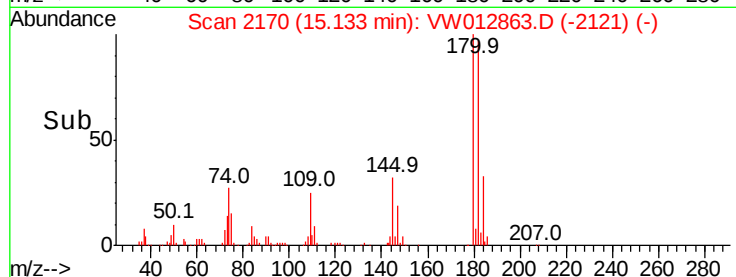
#93
 1,2,4-Trichlorobenzene
 Concen: 20.902 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.7	146.1
145	29.2	15.0	45.1

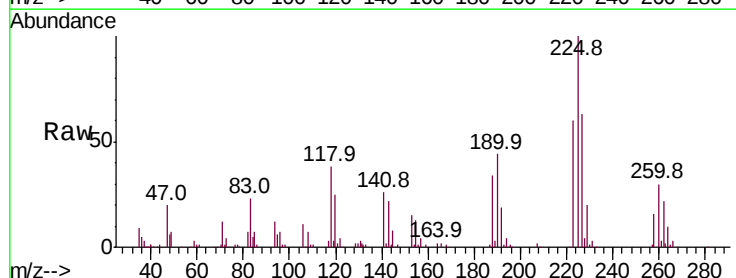


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

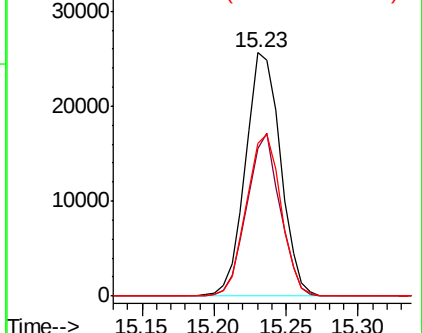
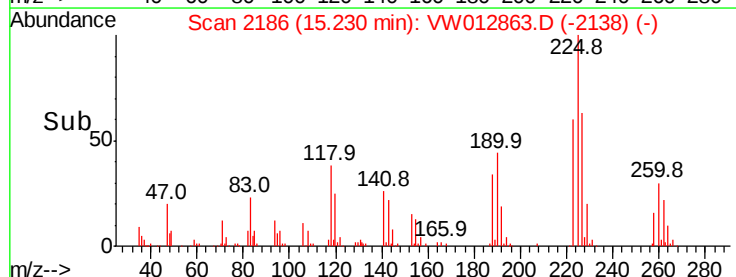


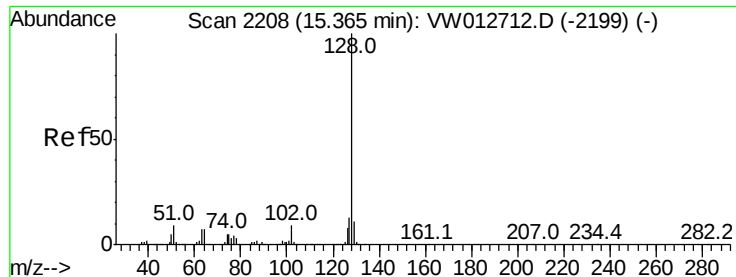
#94
 Hexachlorobutadiene
 Concen: 20.713 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012863.D
 Acq: 10 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.3
227	65.7	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: 19.159 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBS01

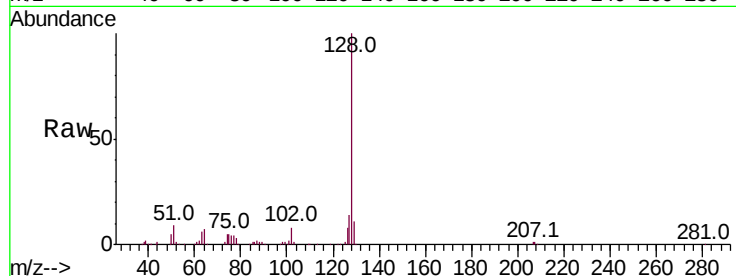
Tot Ion:128 Resp: 101709

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

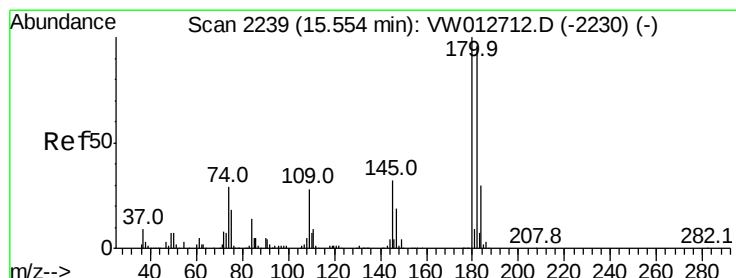
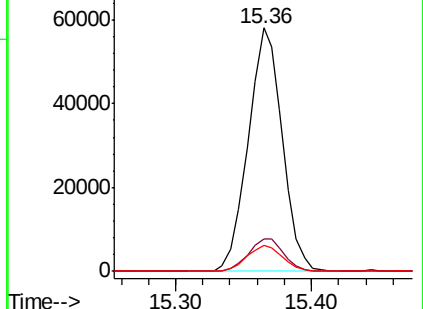
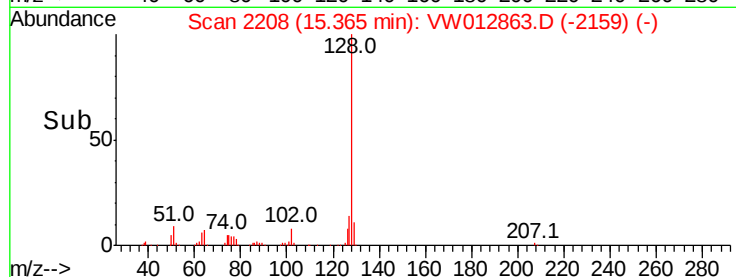
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.722 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012863.D

Acq: 10 Sep 2019 12:05

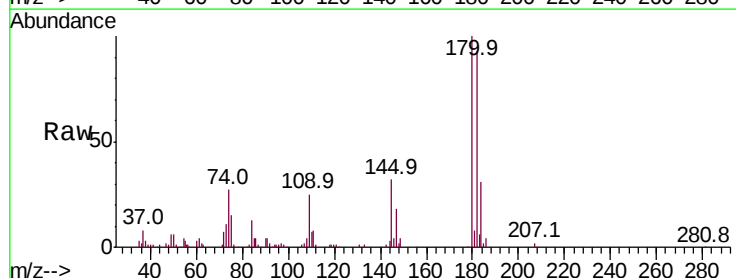
Tgt Ion:180 Resp: 54938

Ion Ratio Lower Upper

180 100

182 93.2 47.8 143.3

145 31.4 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

