

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012813.D
 Acq On : 09 Sep 2019 11:28
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 13:20:55 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	7.95	168	256999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	136274	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	7.88	113	113255	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.32	98	460680	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.62	95	158403	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	64270	46.130	ug/l	97
3) Chloromethane	2.21	50	77069	45.516	ug/l	93
4) Vinyl Chloride	2.35	62	104157	50.170	ug/l	98
5) Bromomethane	2.78	94	61605	54.645	ug/l	99
6) Chloroethane	2.92	64	64643	52.178	ug/l	99
7) Trichlorofluoromethane	3.25	101	71370	49.816	ug/l	88
8) Diethyl Ether	3.68	74	61824	51.344	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	111953	49.795	ug/l	99
10) Methyl Iodide	4.27	142	145321	51.345	ug/l	98
11) Tert butyl alcohol	5.20	59	53361	242.879	ug/l	100
12) 1,1-Dichloroethene	4.04	96	104447	49.213	ug/l	95
13) Acrolein	3.90	56	55873	239.649	ug/l	97
14) Allyl chloride	4.66	41	214534	48.864	ug/l	99
15) Acrylonitrile	5.37	53	169602	241.153	ug/l	100
16) Acetone	4.13	43	205822	262.918	ug/l	97
17) Carbon Disulfide	4.38	76	209892	46.591	ug/l	99
18) Methyl Acetate	4.67	43	84430	45.969	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	224338	53.298	ug/l	96
20) Methylene Chloride	4.91	84	118058	48.204	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	110707	51.122	ug/l	92
22) Diisopropyl ether	6.31	45	442673	50.837	ug/l	97
23) Vinyl Acetate	6.25	43	1432494	259.580	ug/l	100
24) 1,1-Dichloroethane	6.21	63	238078	50.778	ug/l	99
25) 2-Butanone	7.17	43	256413	224.623	ug/l	99
26) 2,2-Dichloropropane	7.16	77	155126	52.384	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	133082	53.000	ug/l	96
28) Bromochloromethane	7.51	49	104334	48.463	ug/l	91
29) Tetrahydrofuran	7.53	42	150973	238.817	ug/l	97
30) Chloroform	7.67	83	235311	50.641	ug/l	98
31) Cyclohexane	7.95	56	191322	45.326	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	193362	51.336	ug/l	99
36) 1,1-Dichloropropene	8.08	75	172802	50.901	ug/l	99
37) Ethyl Acetate	7.25	43	109594	50.641	ug/l	100
38) Carbon Tetrachloride	8.07	117	172728	51.615	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191090	50.117	ug/l	96
40) Benzene	8.32	78	484064	51.392	ug/l	100
41) Methacrylonitrile	7.48	41	64697	44.440	ug/l	95
42) 1,2-Dichloroethane	8.40	62	163639	49.364	ug/l	98
43) Isopropyl Acetate	8.42	43	210198	51.267	ug/l	98
44) Trichloroethene	9.09	130	128515	52.931	ug/l	94
45) 1,2-Dichloropropane	9.37	63	133287	51.020	ug/l	100
46) Dibromomethane	9.46	93	65543	52.982	ug/l	99
47) Bromodichloromethane	9.64	83	176935	51.986	ug/l	98
48) Methyl methacrylate	9.43	41	98744	50.395	ug/l	100
49) 1,4-Dioxane	9.47	88	22950	939.191	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	544810	253.230	ug/l	98
52) Toluene	10.38	92	310603	52.834	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	187854	53.677	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	213200	53.701	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	100347	54.181	ug/l	98
56) Ethyl methacrylate	10.65	69	149312	55.075	ug/l	95
57) 1,3-Dichloropropane	10.93	76	175519	51.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	370644	257.527	ug/l	97
59) 2-Hexanone	10.97	43	402955	256.365	ug/l	99
60) Dibromochloromethane	11.13	129	116870	53.655	ug/l	100
61) 1,2-Dibromoethane	11.23	107	91085	53.644	ug/l	99
64) Tetrachloroethene	10.86	164	107482	53.907	ug/l	98
65) Chlorobenzene	11.66	112	332224	53.493	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	126761	54.807	ug/l	100
67) Ethyl Benzene	11.73	91	626330	53.751	ug/l	100
68) m/p-Xylenes	11.84	106	456521	108.539	ug/l	99
69) o-Xylene	12.16	106	215537	54.318	ug/l	98
70) Styrene	12.18	104	388313	55.379	ug/l	99
71) Bromoform	12.35	173	70764	55.070	ug/l	99
73) Isopropylbenzene	12.46	105	623027	54.233	ug/l	99
74) N-amyl acetate	12.27	43	192813	52.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117505	50.932	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	157439	96.127	ug/l #	100
77) Bromobenzene	12.74	156	142414	54.718	ug/l	95
78) n-propylbenzene	12.80	91	737151	53.652	ug/l	99
79) 2-Chlorotoluene	12.89	91	420455	53.307	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	525290	54.264	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40610	52.443	ug/l	99
82) 4-Chlorotoluene	12.99	91	441936	52.970	ug/l	99
83) tert-Butylbenzene	13.21	119	456433	53.326	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	522753	53.593	ug/l	99
85) sec-Butylbenzene	13.38	105	631426	53.163	ug/l	99
86) p-Isopropyltoluene	13.50	119	582653	53.707	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	272261	53.221	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	270772	53.192	ug/l	99
89) n-Butylbenzene	13.82	91	557400	52.923	ug/l	99
90) Hexachloroethane	14.09	117	101997	53.855	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	246264	53.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22036	52.192	ug/l	98

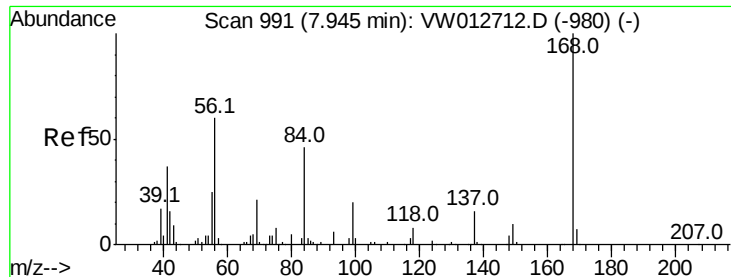
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	186420	58.152	ug/l	96
94) Hexachlorobutadiene	15.24	225	118410	53.364	ug/l	99
95) Naphthalene	15.36	128	347817	51.603	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	165241	58.395	ug/l	98

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

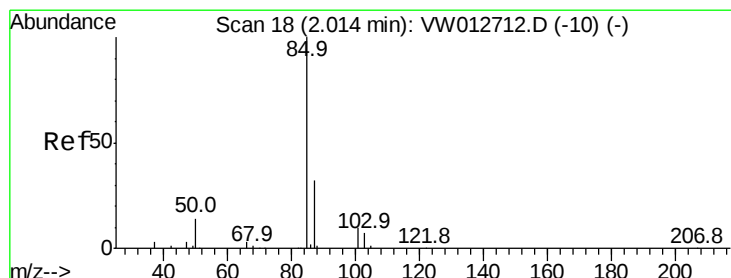
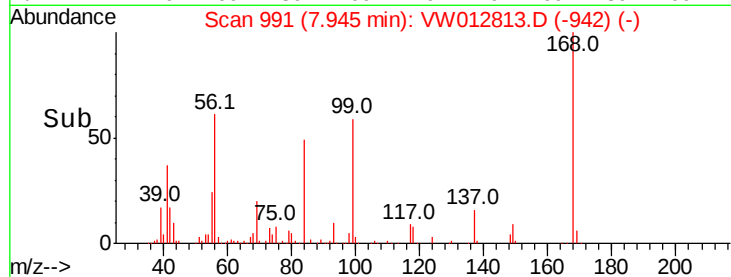
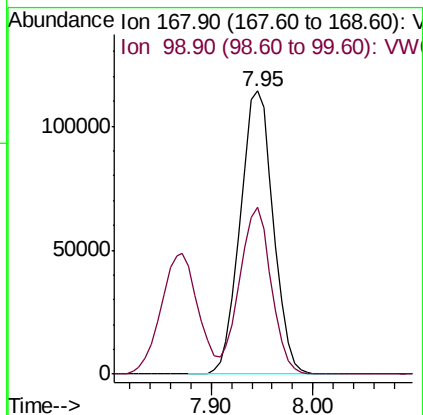
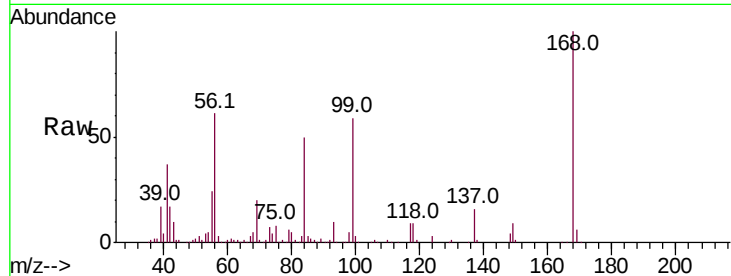


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampled :

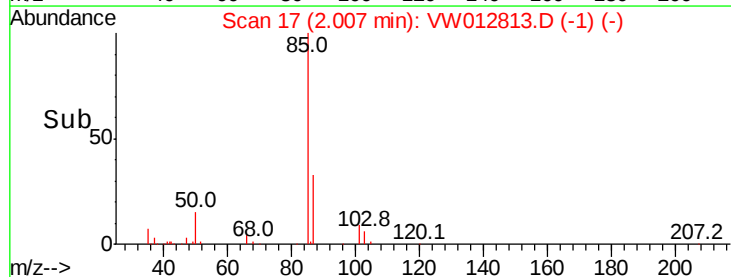
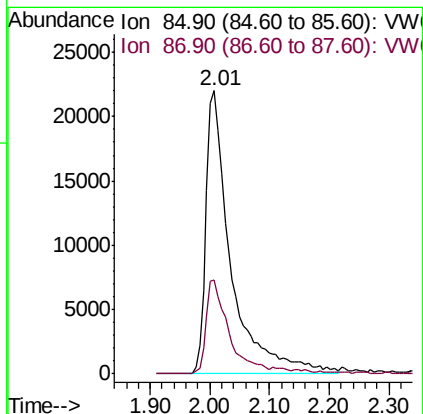
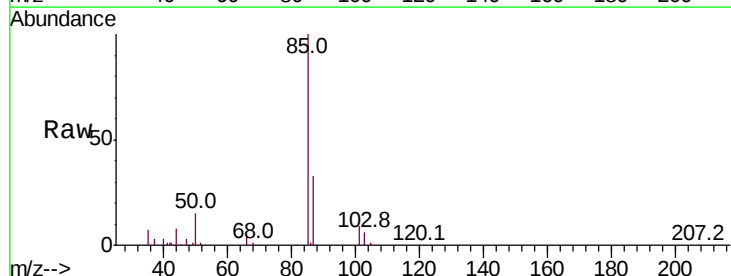
Tot Ion:168 Resp: 256999
 Ion Ratio Lower Upper
 168 100
 99 59.0 47.8 71.6

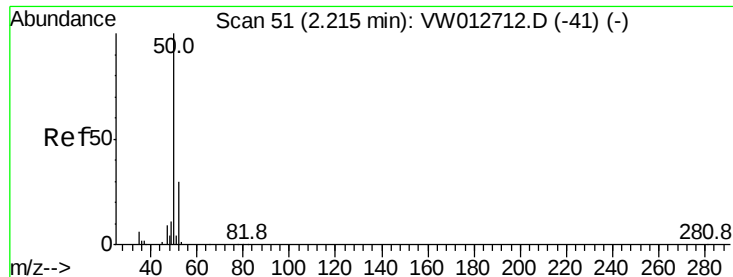


#2

Dichlorodifluoromethane
 Concen: 46.130 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. -0.01 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion: 85 Resp: 64270
 Ion Ratio Lower Upper
 85 100
 87 33.2 15.8 47.4





#3

Chloromethane

Concen: 45.516 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

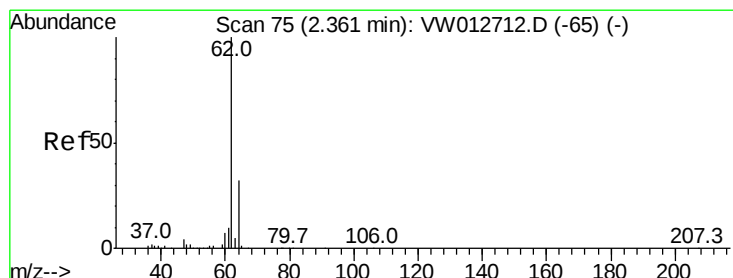
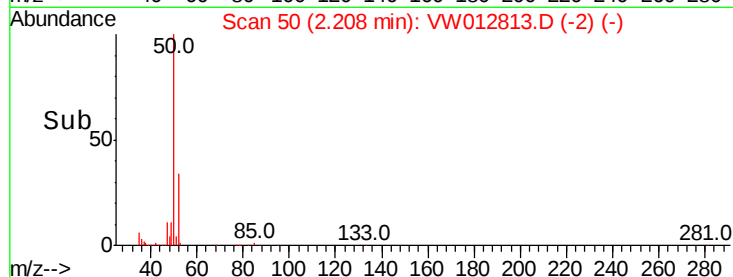
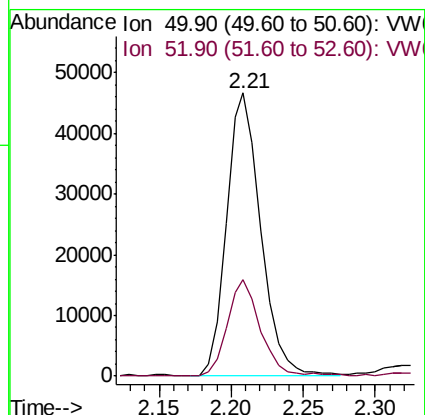
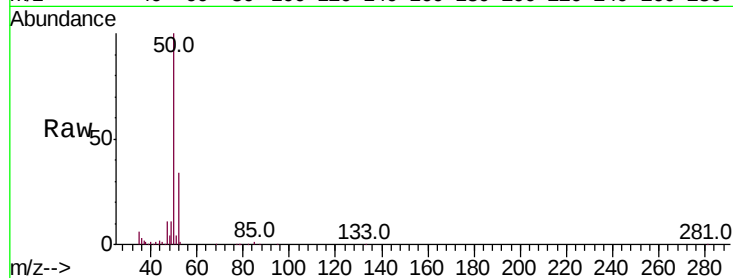
ClientSampleId :

Tot Ion: 50 Resp: 77069

Ion Ratio Lower Upper

50 100

52 34.0 24.2 36.2



#4

Vinyl Chloride

Concen: 50.170 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012813.D

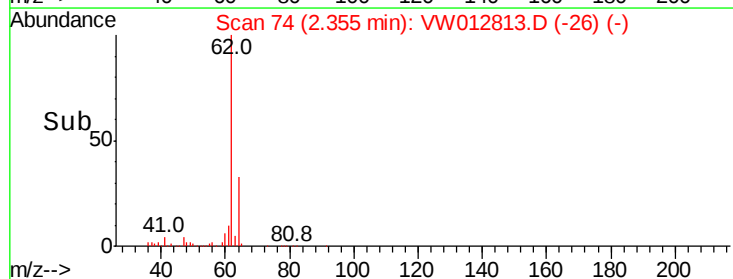
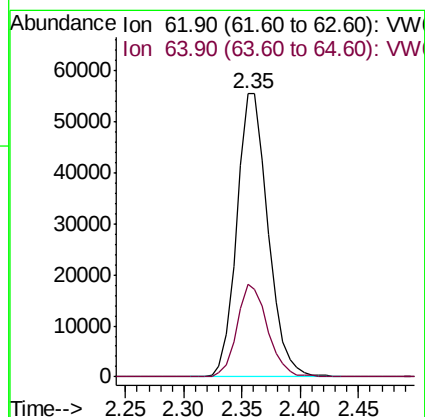
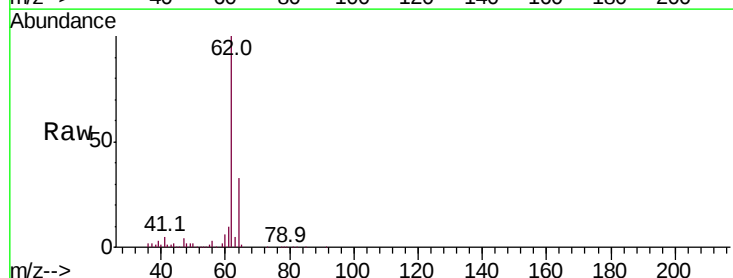
Acq: 09 Sep 2019 11:28

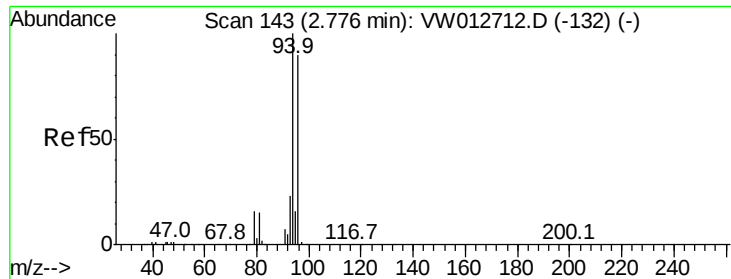
Tgt Ion: 62 Resp: 104157

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9





#5

Bromomethane

Concen: 54.645 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

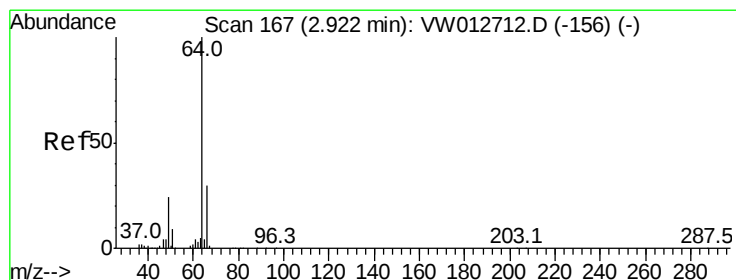
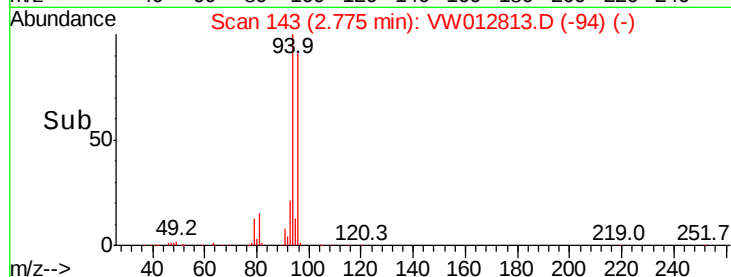
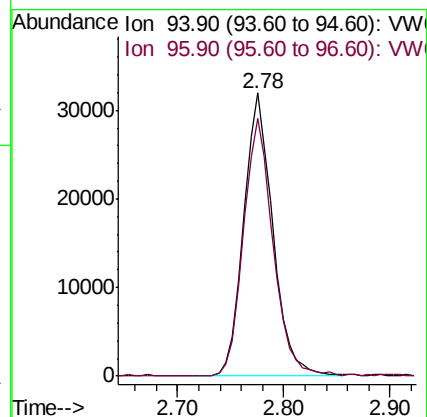
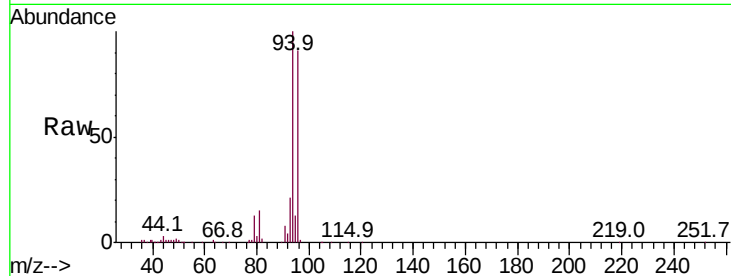
ClientSampleId :

Tot Ion: 94 Resp: 61605

Ion Ratio Lower Upper

94 100

96 91.3 72.1 108.1



#6

Chloroethane

Concen: 52.178 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012813.D

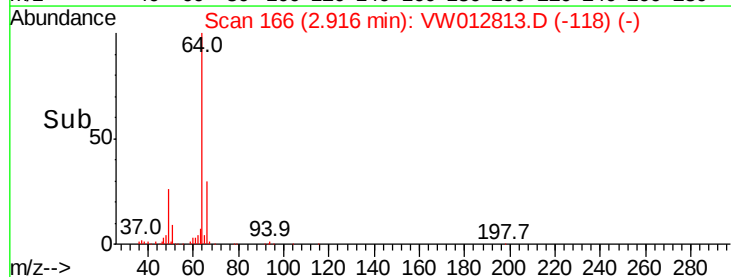
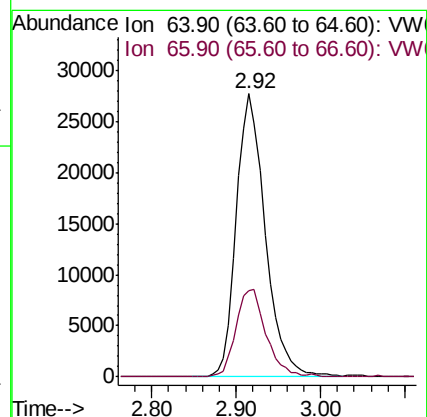
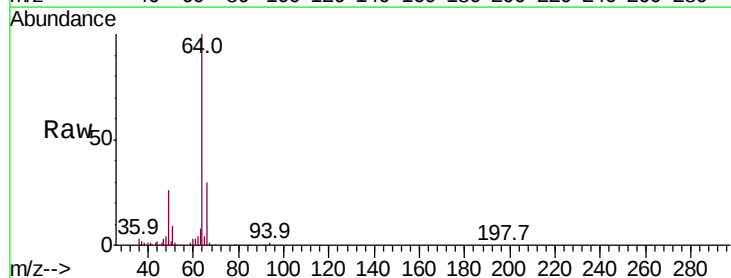
Acq: 09 Sep 2019 11:28

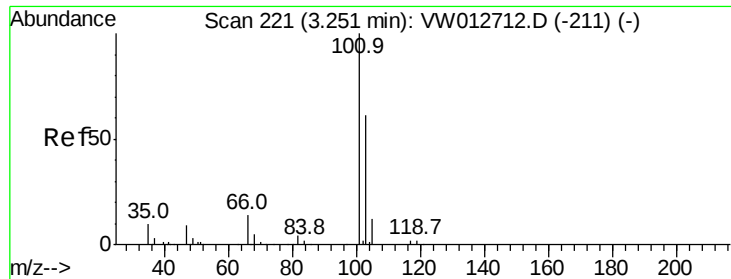
Tgt Ion: 64 Resp: 64643

Ion Ratio Lower Upper

64 100

66 30.4 23.8 35.6



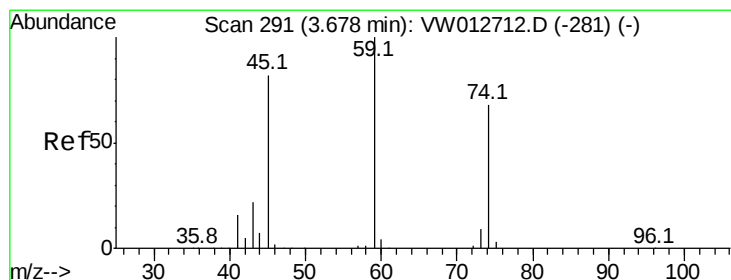
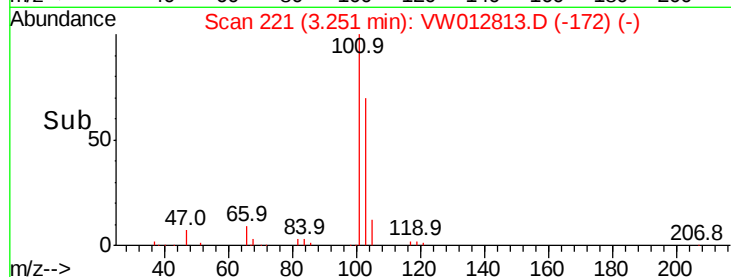
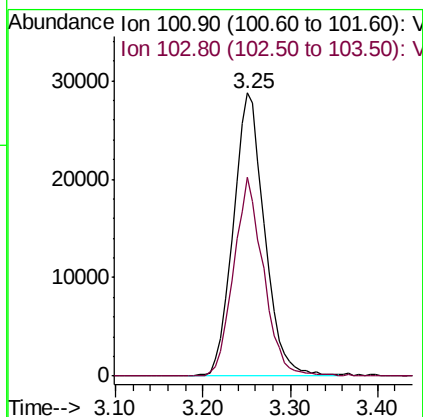
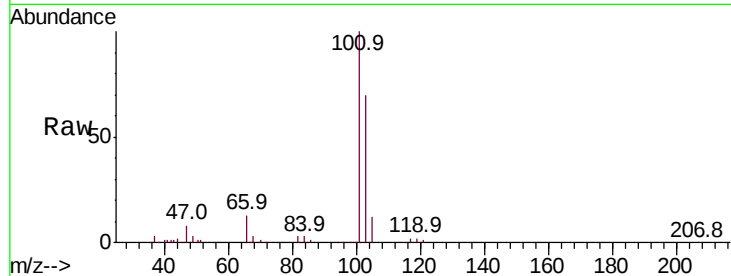


#7

Trichlorofluoromethane
 Concen: 49.816 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :

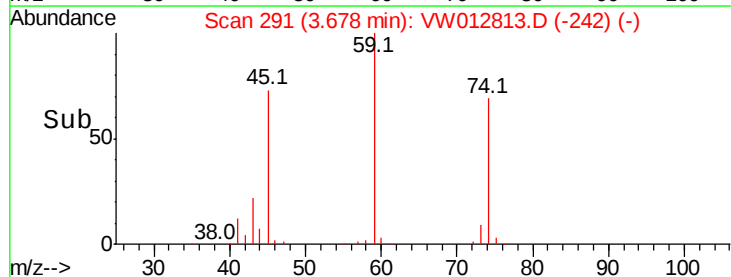
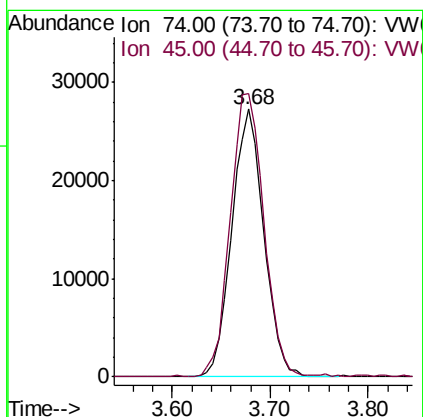
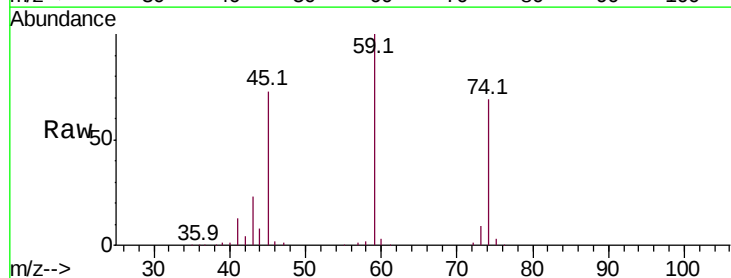
Tot Ion:101 Resp: 71370
 Ion Ratio Lower Upper
 101 100
 103 70.1 49.0 73.4

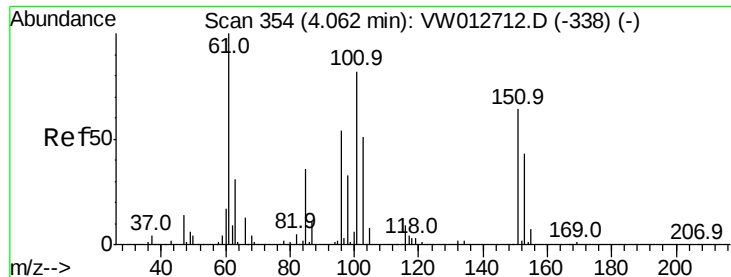


#8

Diethyl Ether
 Concen: 51.344 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion: 74 Resp: 61824
 Ion Ratio Lower Upper
 74 100
 45 110.9 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.795 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

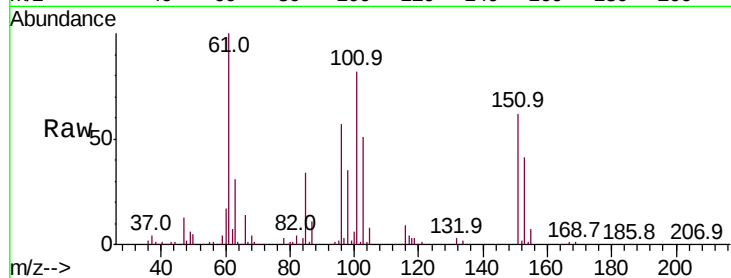
Tot Ion:101 Resp: 111953

Ion Ratio Lower Upper

101 100

85 44.7 36.2 54.2

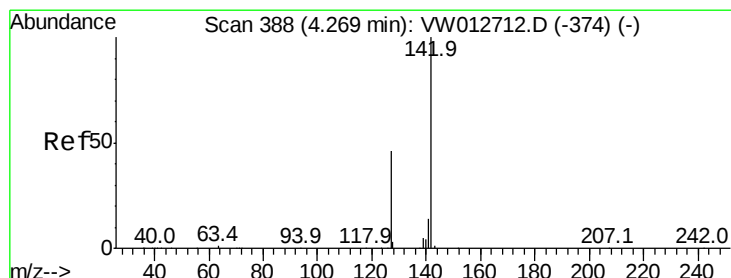
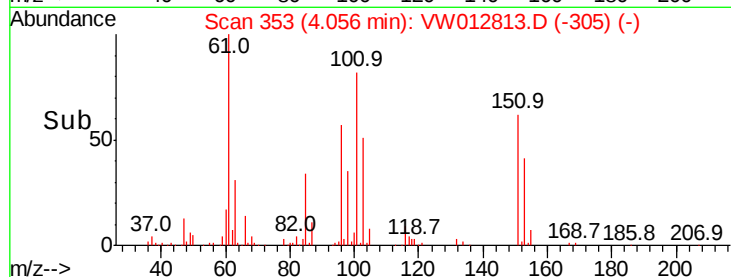
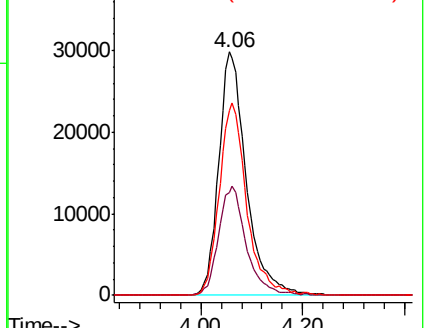
151 78.4 61.9 92.9



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: 51.345 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

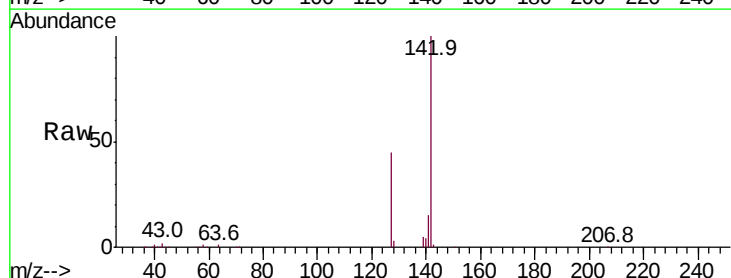
Tgt Ion:142 Resp: 145321

Ion Ratio Lower Upper

142 100

127 43.3 36.0 54.0

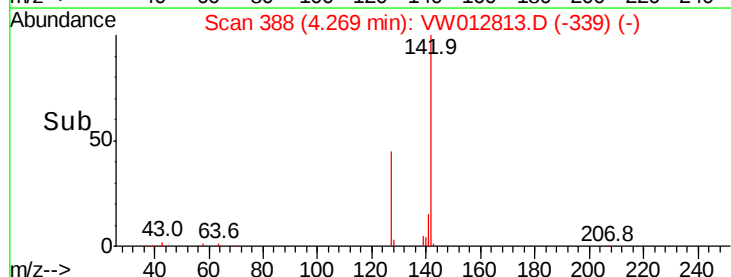
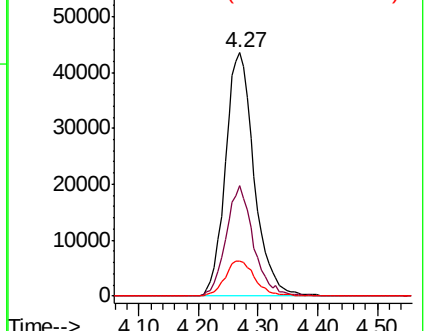
141 15.0 12.2 18.4

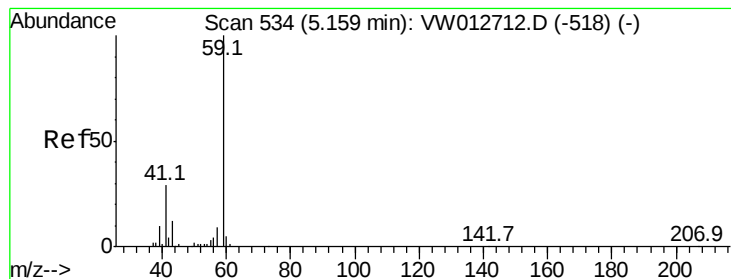


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



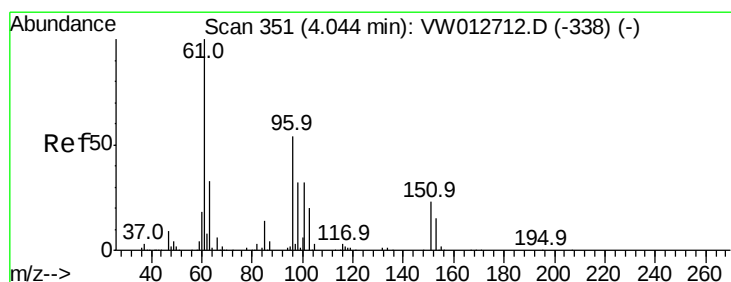
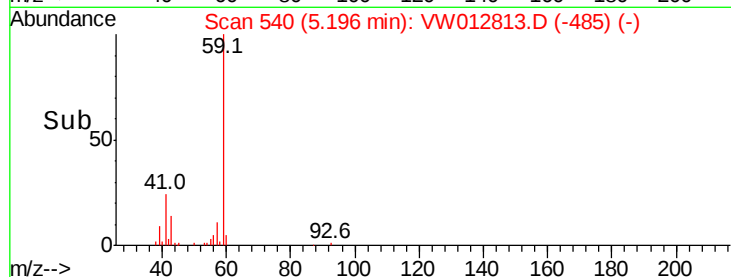
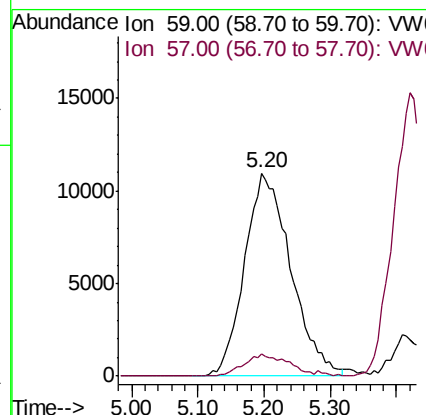
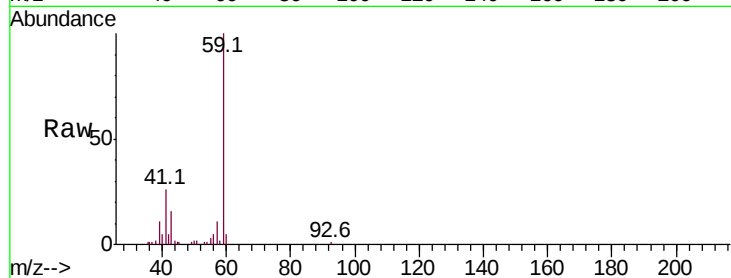


#11

Tert butyl alcohol
Concen: 242.879 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.04 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :

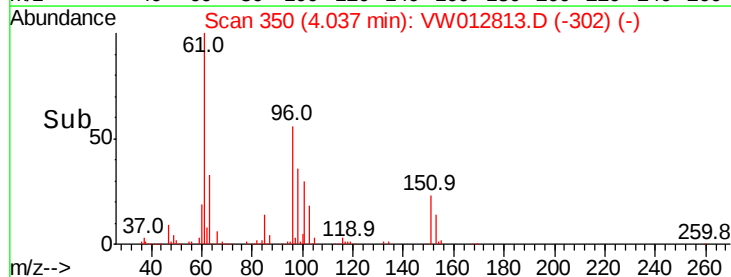
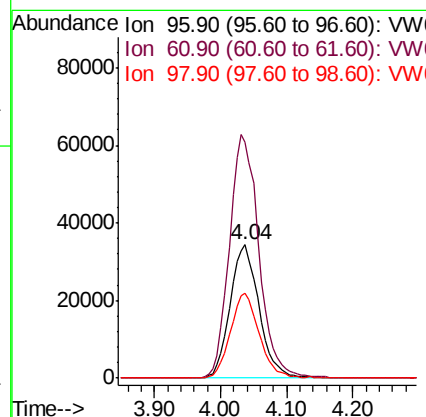
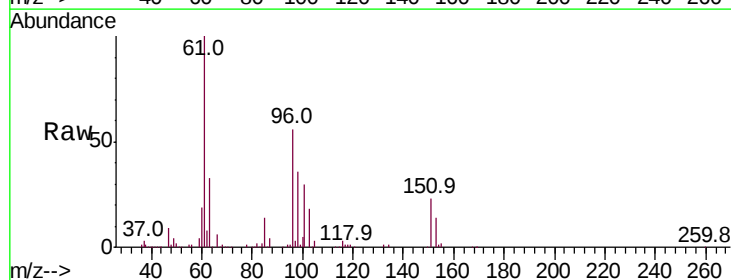
Tot Ion: 59 Resp: 53361
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

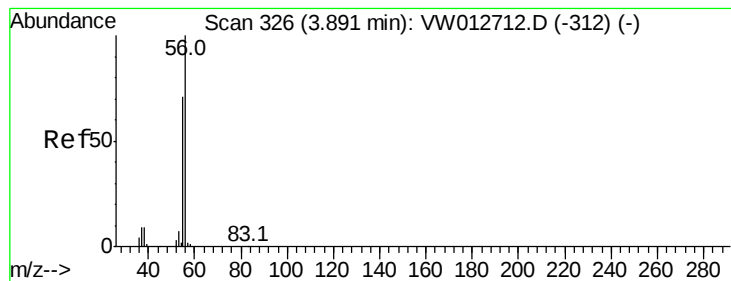


#12

1,1-Dichloroethene
Concen: 49.213 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 96 Resp: 104447
Ion Ratio Lower Upper
96 100
61 177.7 147.8 221.6
98 63.9 47.9 71.9





#13

Acrolein

Concen: 239.649 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

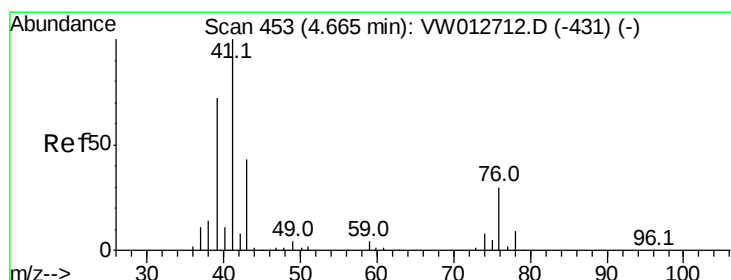
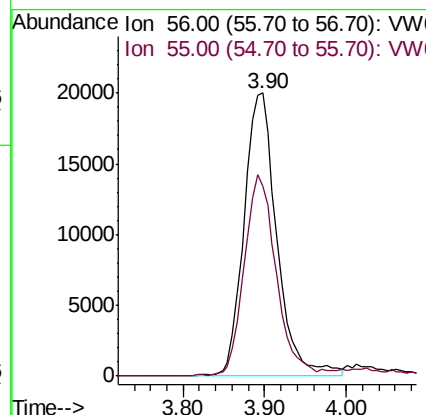
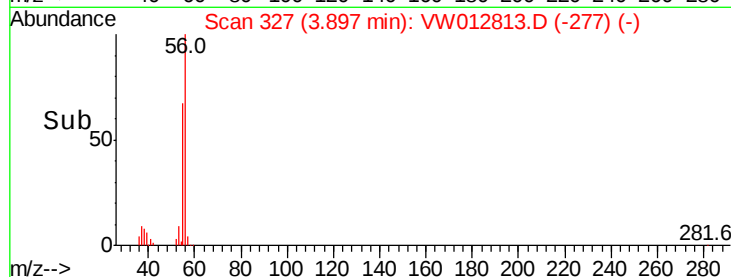
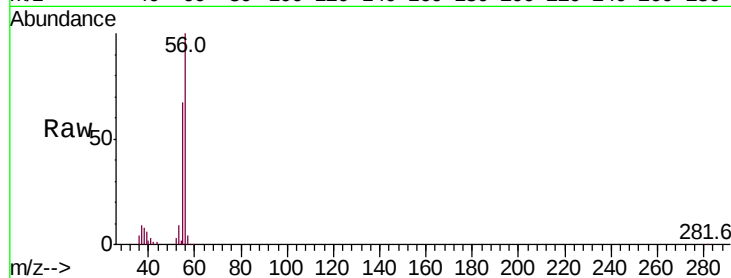
ClientSampleId :

Tot Ion: 56 Resp: 55873

Ion Ratio Lower Upper

56 100

55 68.9 56.9 85.3



#14

Allyl chloride

Concen: 48.864 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

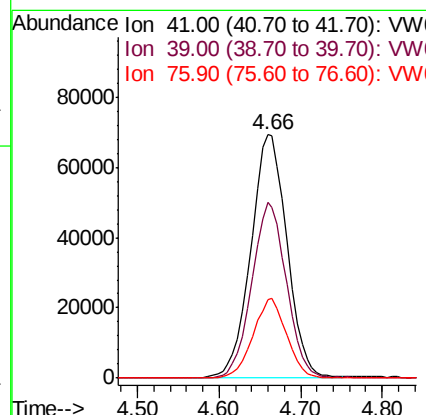
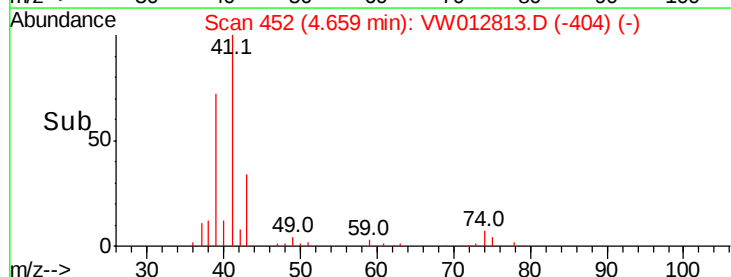
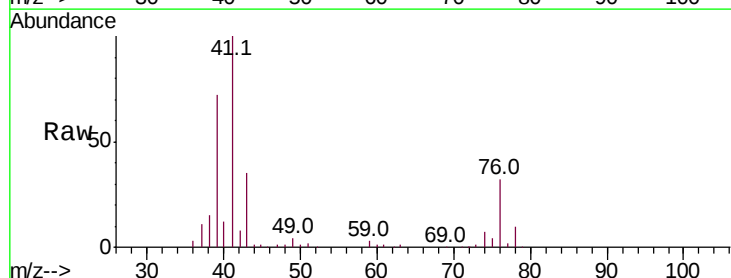
Tgt Ion: 41 Resp: 214534

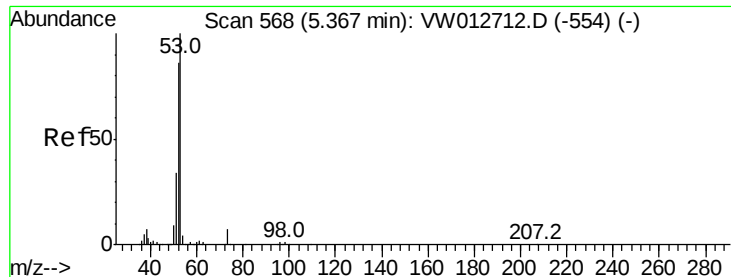
Ion Ratio Lower Upper

41 100

39 69.3 55.0 82.6

76 30.3 23.0 34.4





#15

Acrylonitrile

Concen: 241.153 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :

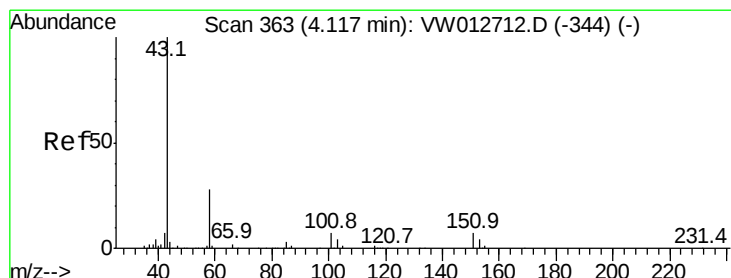
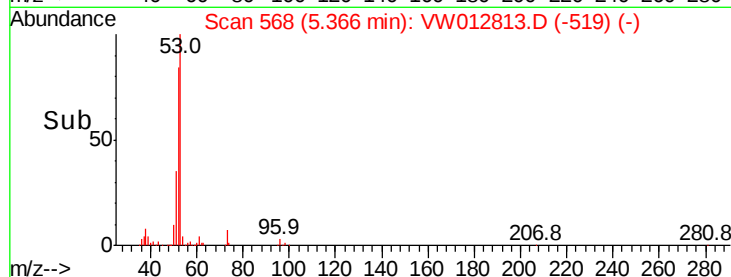
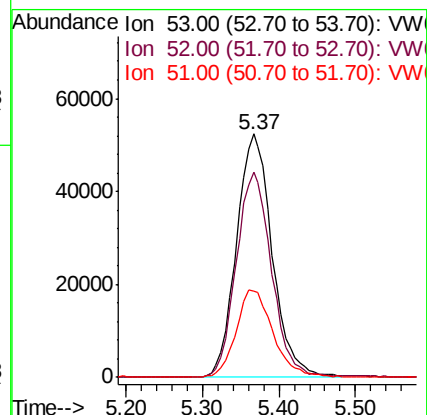
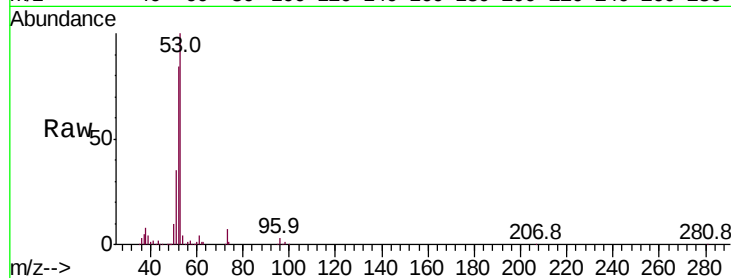
Tot Ion: 53 Resp: 169602

Ion Ratio Lower Upper

53 100

52 83.2 67.0 100.4

51 37.3 29.8 44.8



#16

Acetone

Concen: 262.918 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012813.D

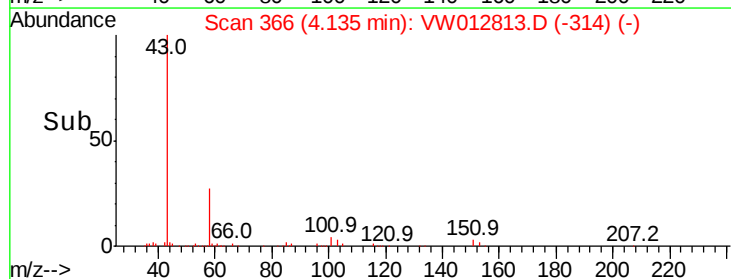
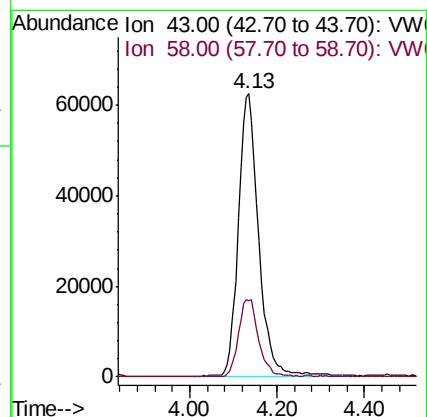
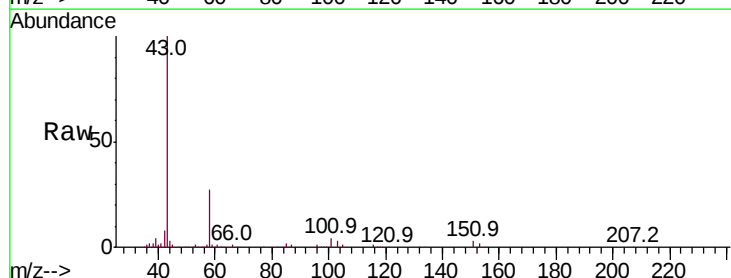
Acq: 09 Sep 2019 11:28

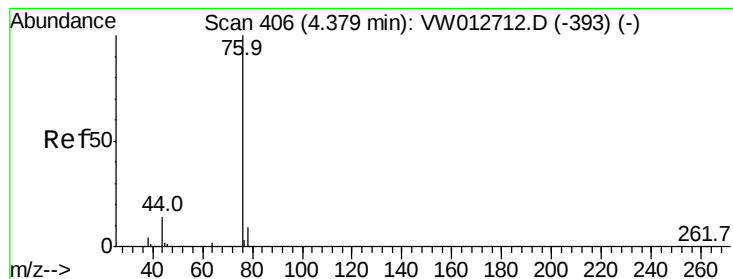
Tgt Ion: 43 Resp: 205822

Ion Ratio Lower Upper

43 100

58 26.7 22.6 33.8





#17

Carbon Disulfide

Concen: 46.591 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

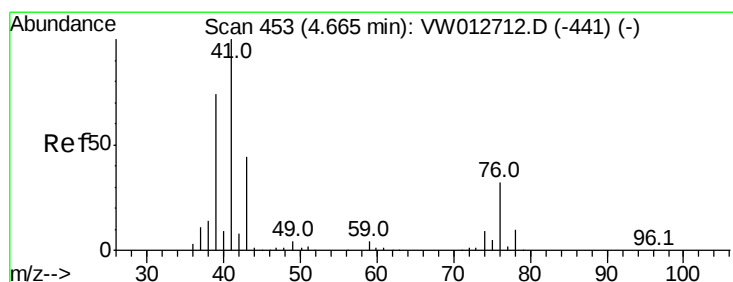
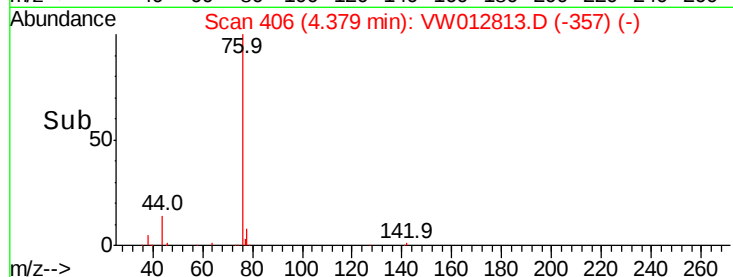
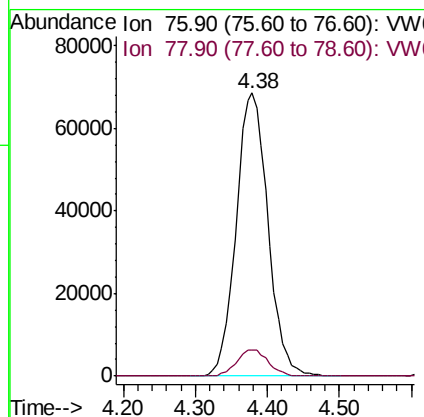
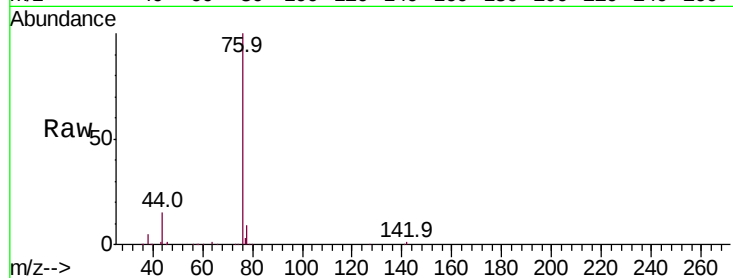
ClientSampleId :

Tot Ion: 76 Resp: 209892

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



#18

Methyl Acetate

Concen: 45.969 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012813.D

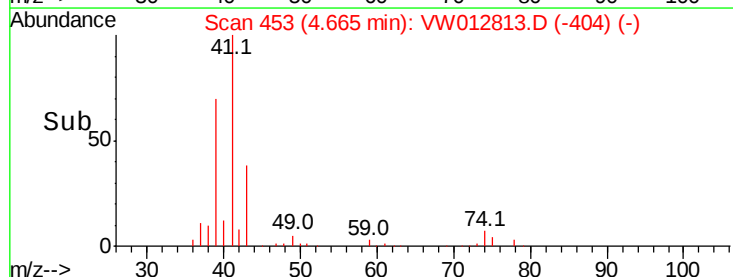
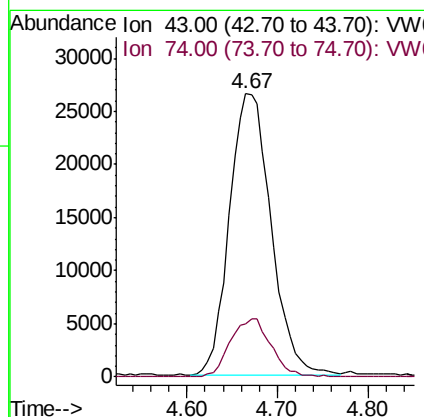
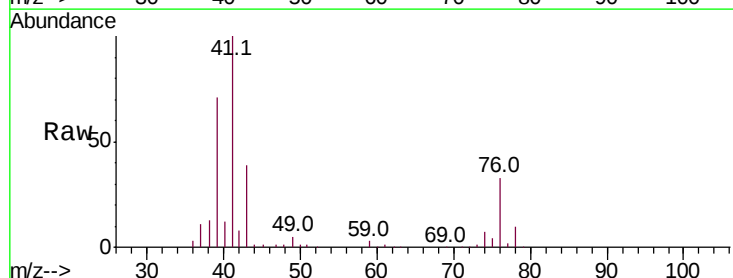
Acq: 09 Sep 2019 11:28

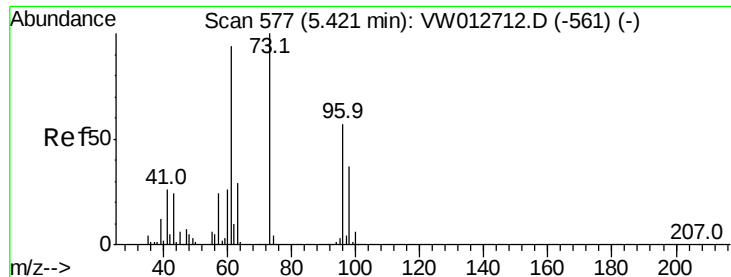
Tgt Ion: 43 Resp: 84430

Ion Ratio Lower Upper

43 100

74 20.3 15.8 23.6

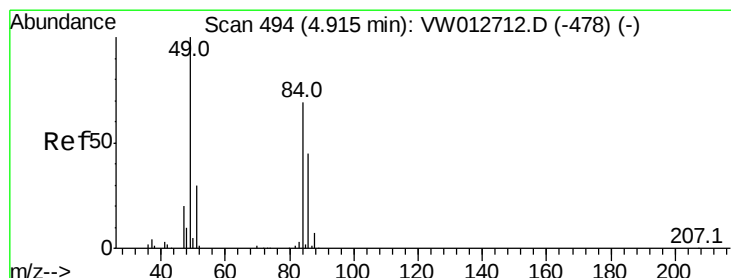
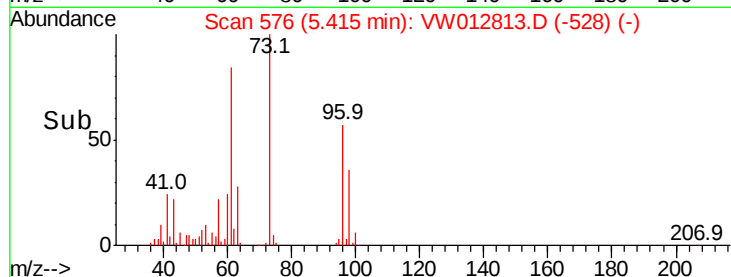
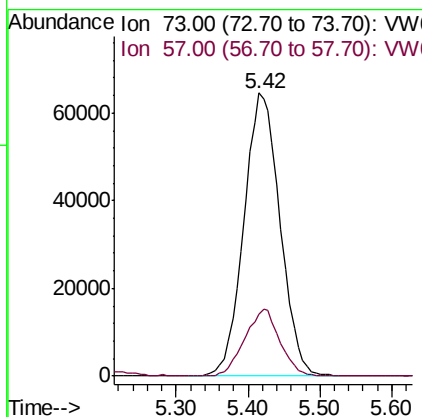
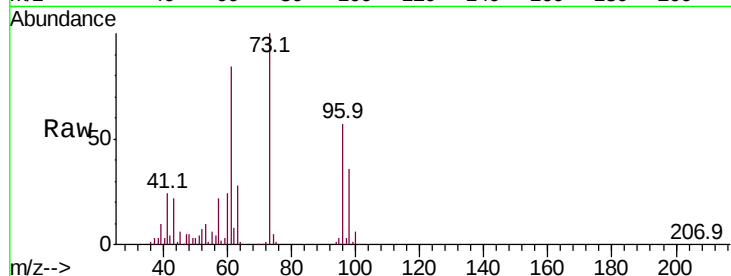




#19
Methvl tert-butvl Ether
Concen: 53.298 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

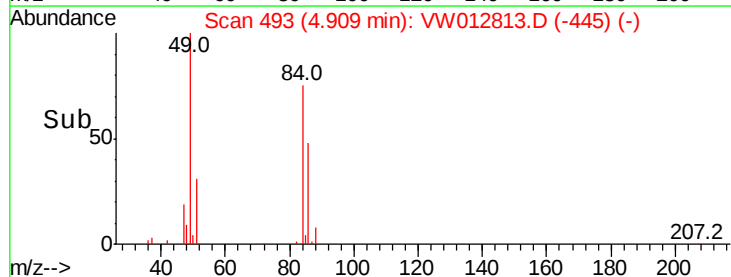
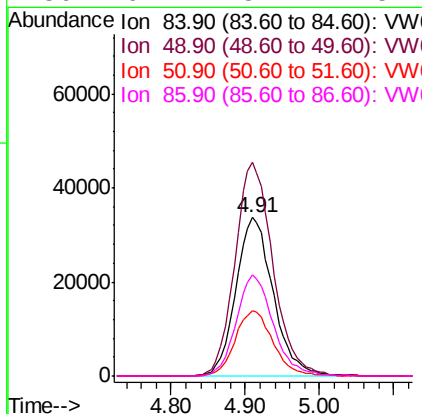
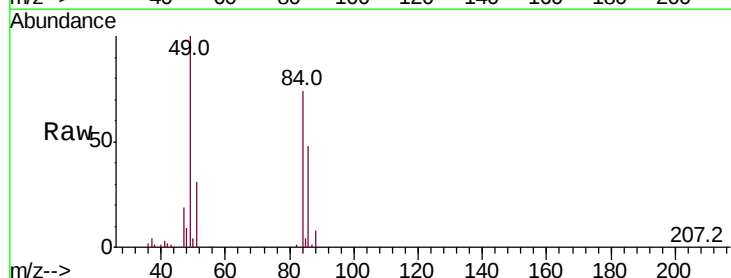
Instrument :
MSVOA_W
ClientSampled :

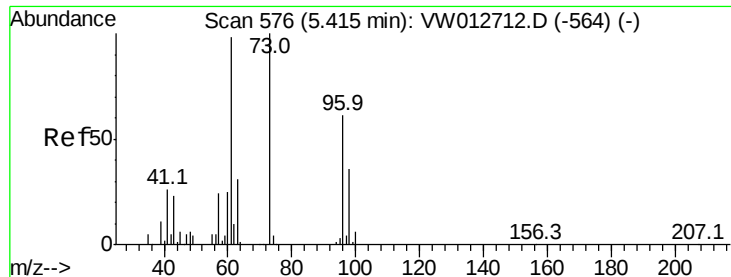
Tot Ion: 73 Resp: 224338
Ion Ratio Lower Upper
73 100
57 22.0 19.2 28.8



#20
Methylene Chloride
Concen: 48.204 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 84 Resp: 118058
Ion Ratio Lower Upper
84 100
49 134.9 115.4 173.0
51 41.6 34.9 52.3
86 64.2 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 51.122 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

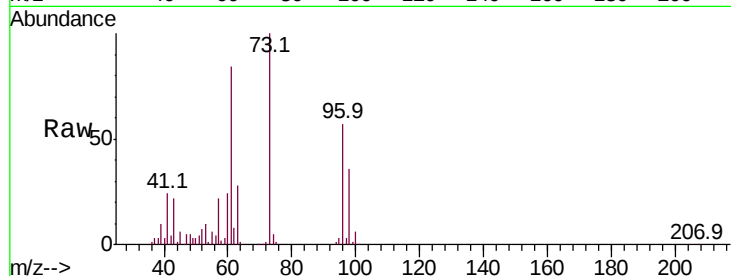
Tot Ion: 96 Resp: 110707

Ion Ratio Lower Upper

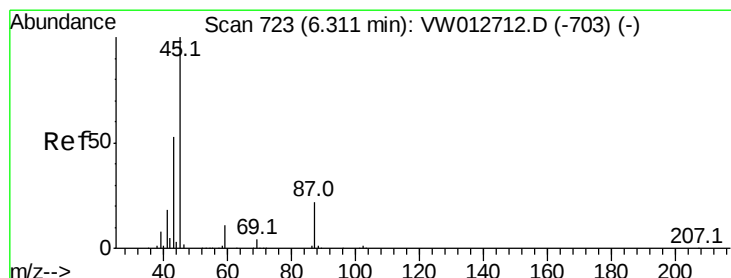
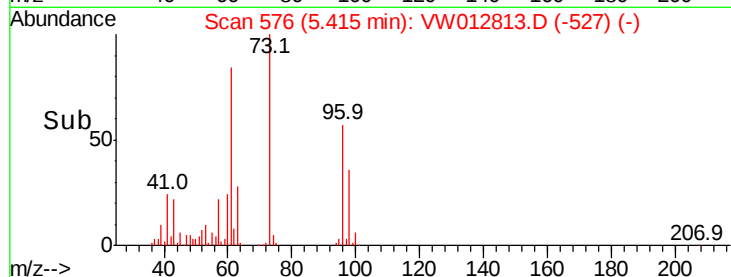
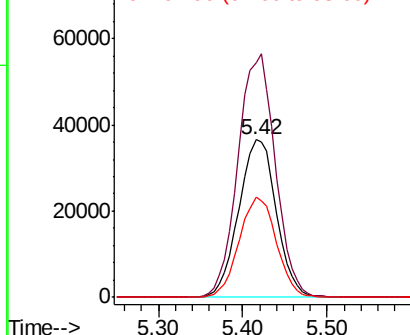
96 100

61 148.9 129.2 193.8

98 63.6 48.0 72.0



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



#22

Diisopropyl ether

Concen: 50.837 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion: 45 Resp: 442673

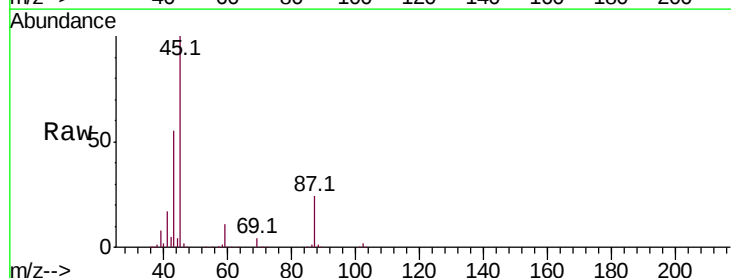
Ion Ratio Lower Upper

45 100

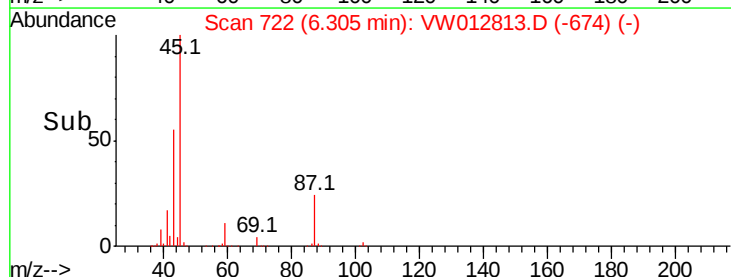
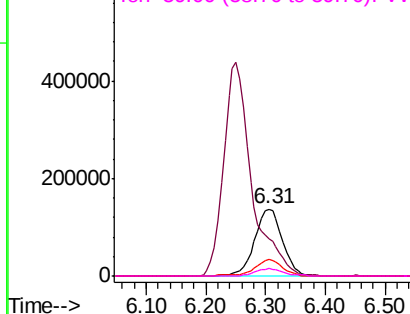
43 55.4 42.3 63.5

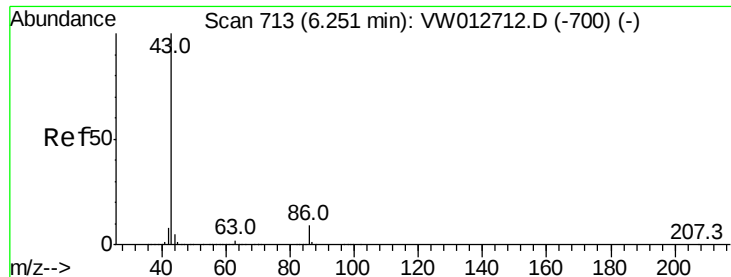
87 24.1 18.2 27.2

59 11.1 8.5 12.7



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





#23

Vinyl Acetate

Concen: 259.580 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

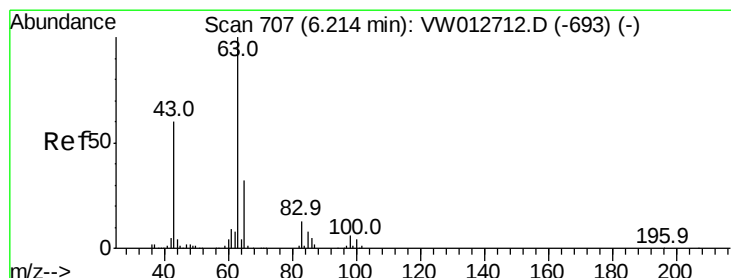
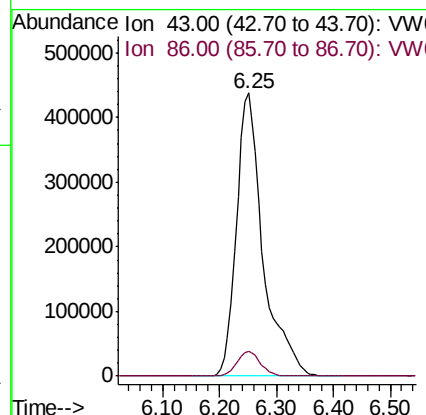
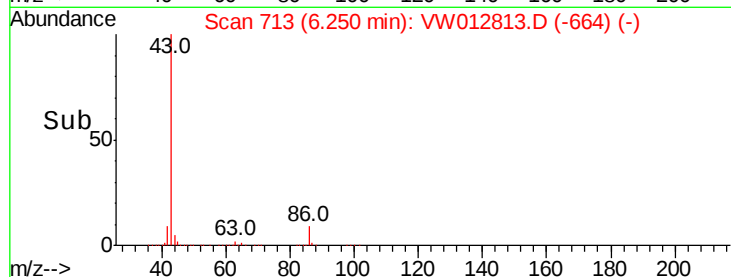
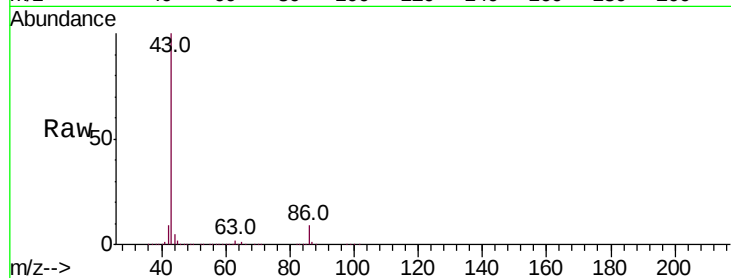
ClientSampleId :

Tot Ion: 43 Resp: 1432494

Ion Ratio Lower Upper

43 100

86 8.7 7.0 10.6



#24

1,1-Dichloroethane

Concen: 50.778 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

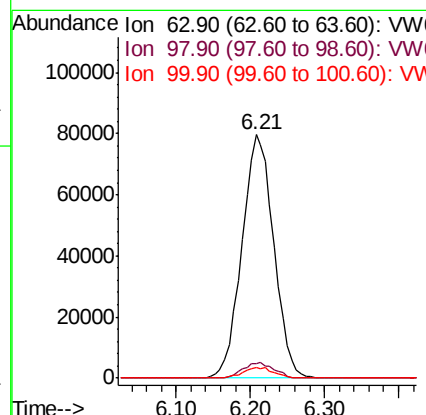
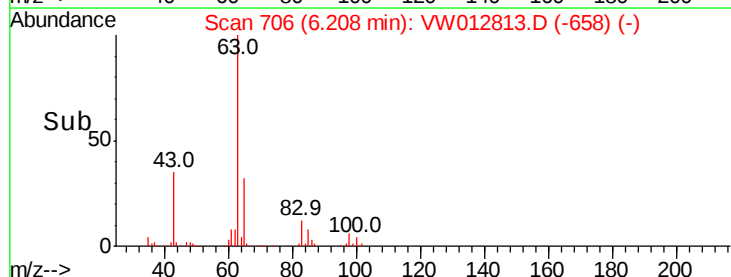
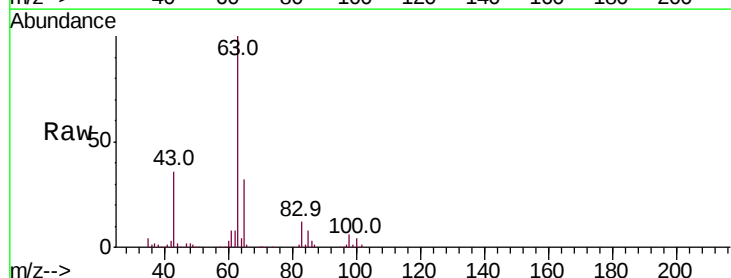
Tgt Ion: 63 Resp: 238078

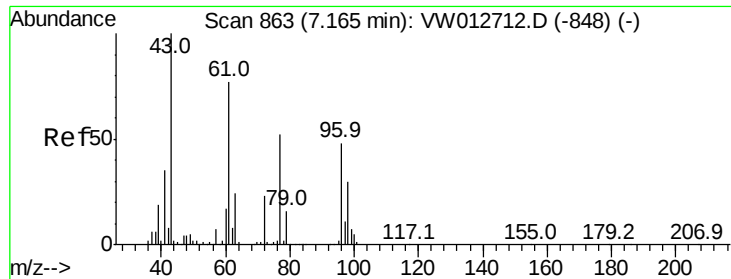
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.3 1.8 5.5





#25

2-Butanone

Concen: 224.623 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

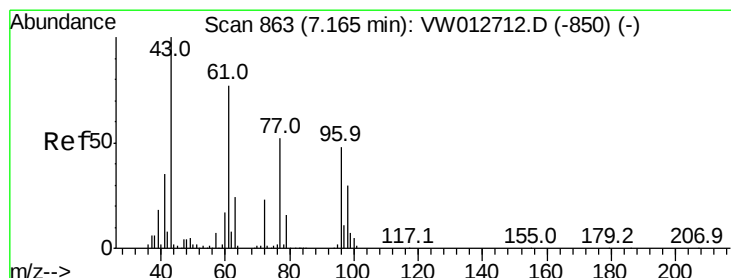
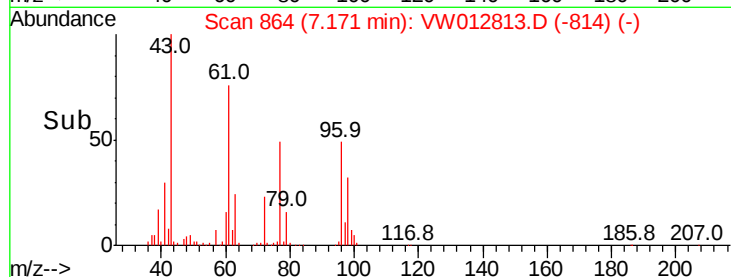
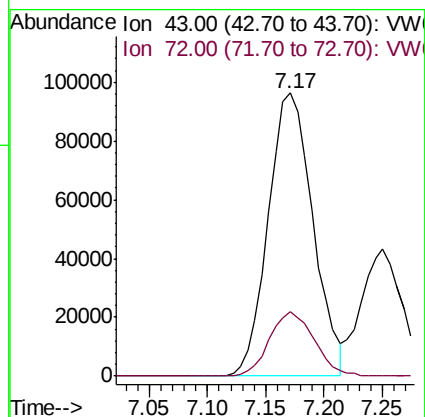
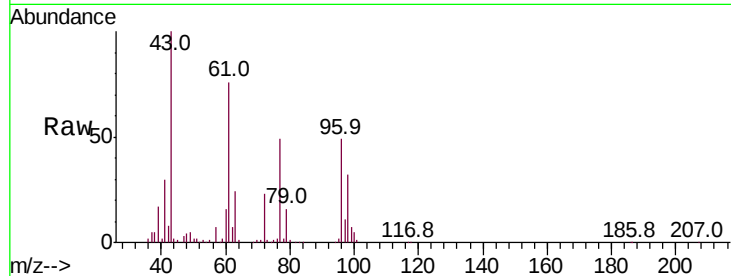
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 256413

Ion Ratio Lower Upper

43 100

72 23.0 18.0 27.0



#26

2,2-Dichloropropane

Concen: 52.384 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012813.D

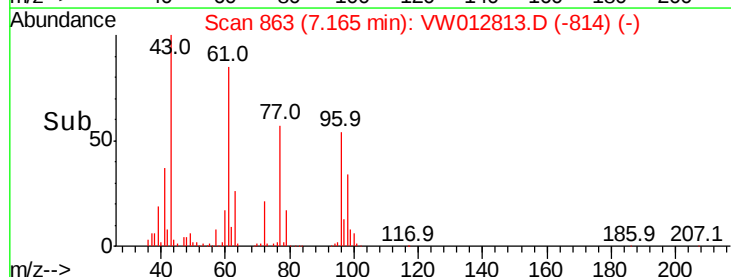
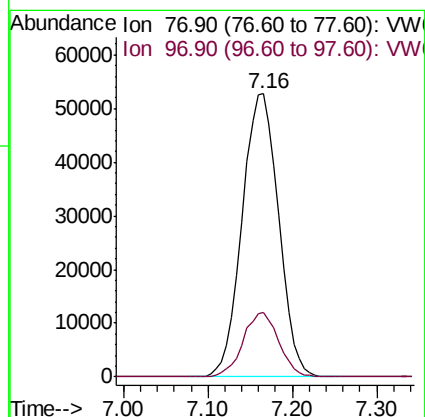
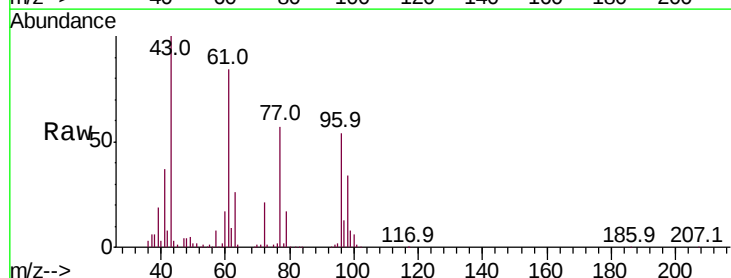
Acq: 09 Sep 2019 11:28

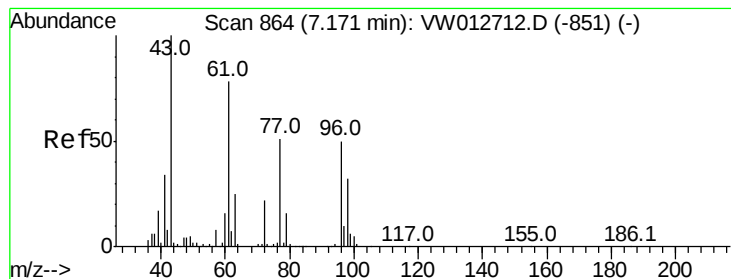
Tgt Ion: 77 Resp: 155126

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1



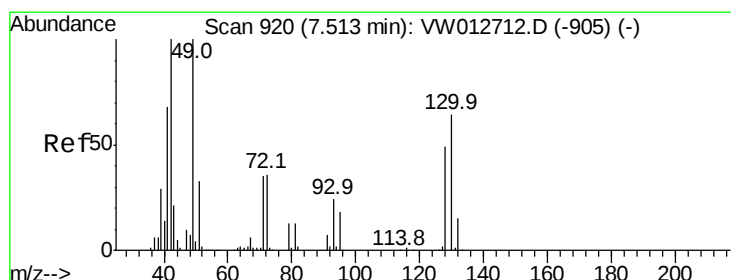
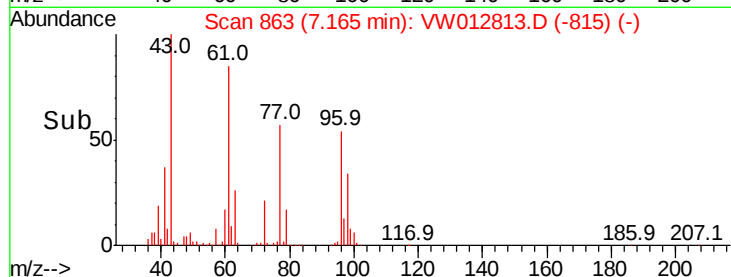
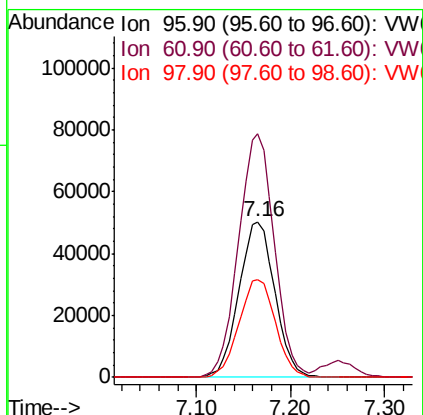
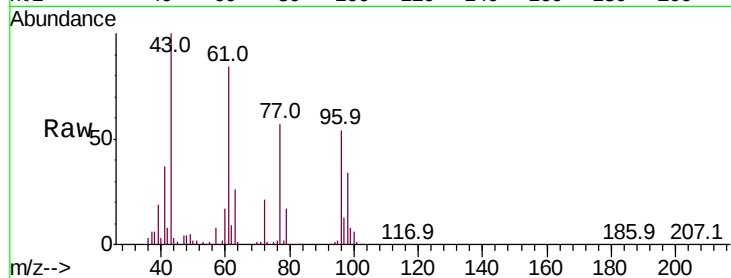


#27

cis-1,2-Dichloroethene
 Concen: 53.000 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampled :

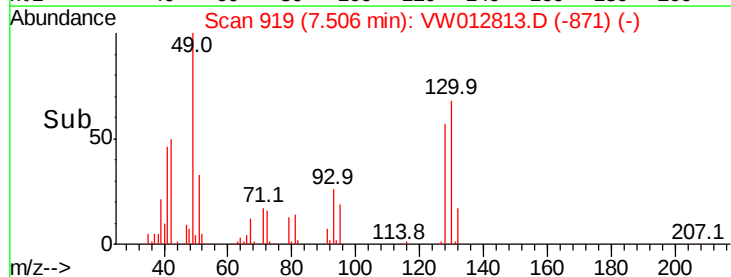
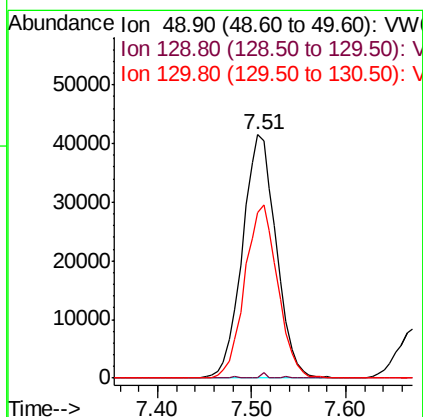
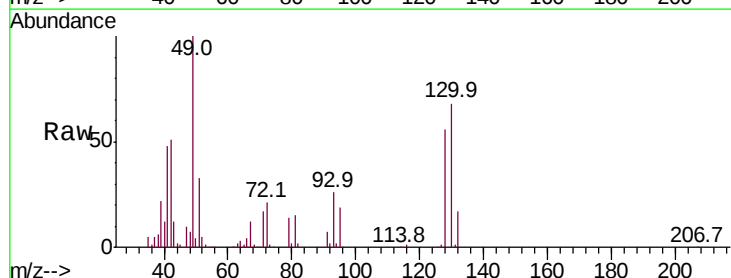
Tot Ion	96	Resp	133082
Ion Ratio	Lower	Upper	
96	100		
61	156.4	0.0	325.8
98	64.0	0.0	127.0

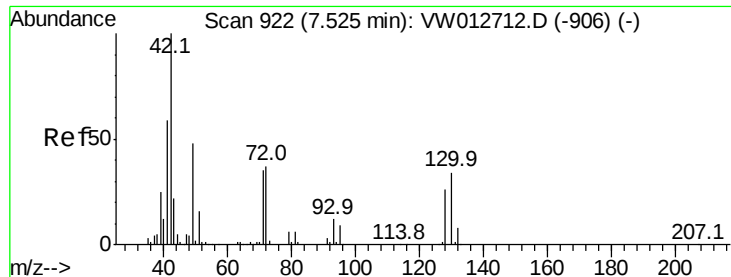


#28

Bromochloromethane
 Concen: 48.463 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	49	Resp	104334
Ion Ratio	Lower	Upper	
49	100		
129	0.3	0.0	0.8
130	69.4	49.8	74.8

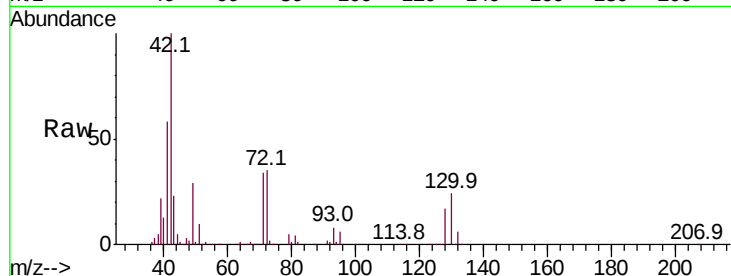




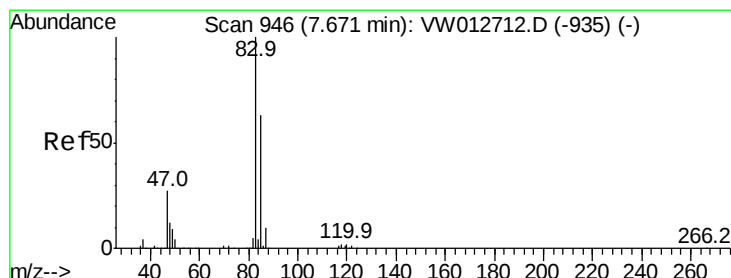
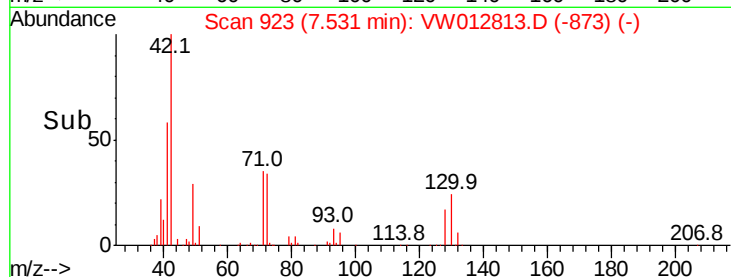
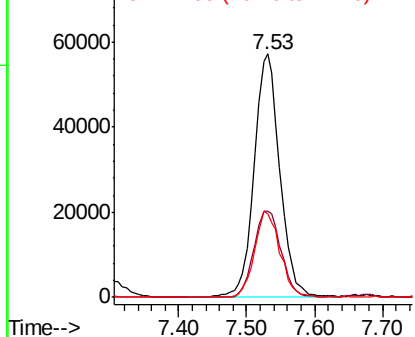
#29
Tetrahydrofuran
Concen: 238.817 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	28.4	42.6
71	34.9	27.1	40.7

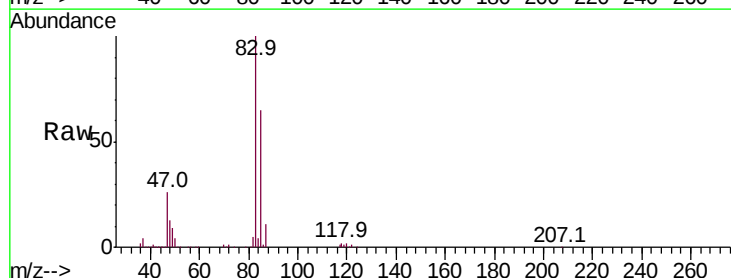


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

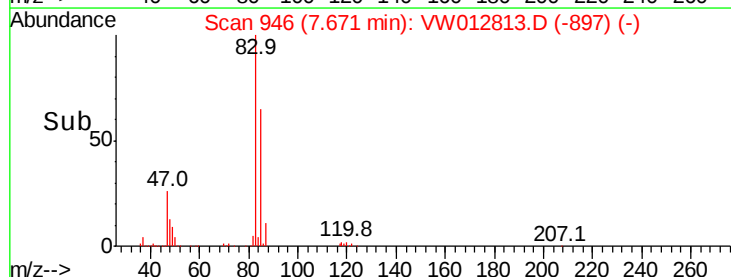
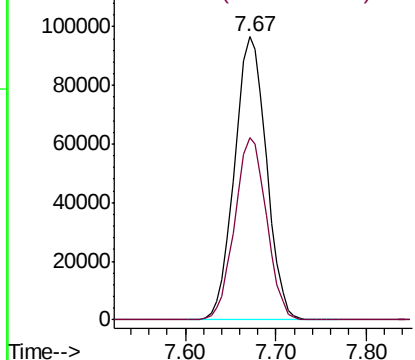


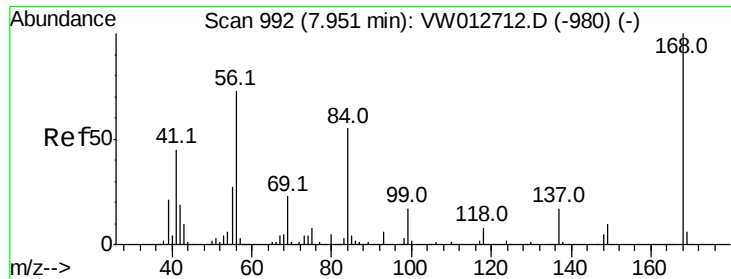
#30
Chloroform
Concen: 50.641 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	76.0



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

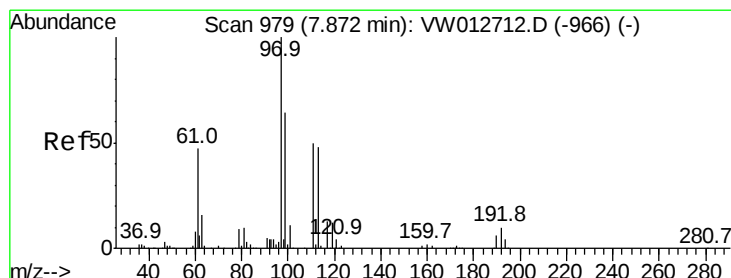
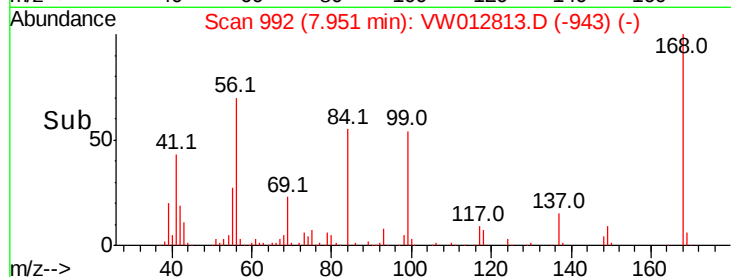
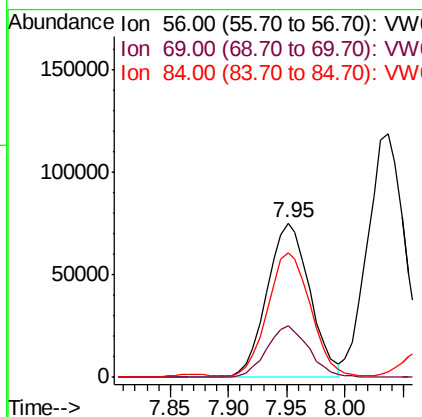
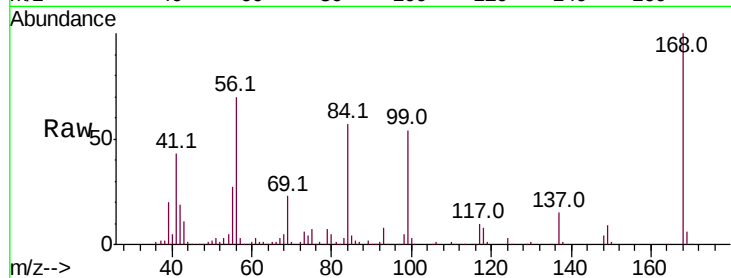




#31
Cyclohexane
Concen: 45.326 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

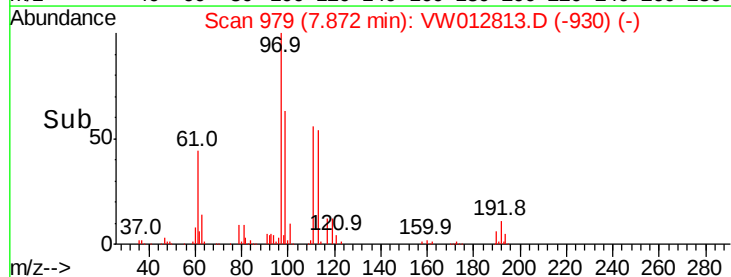
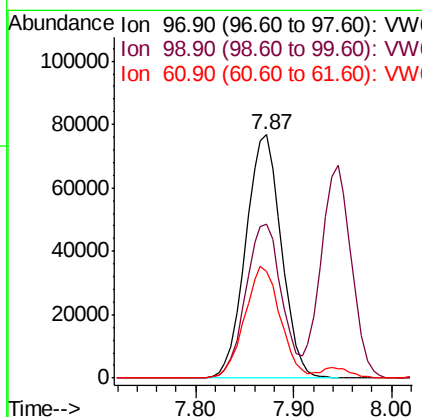
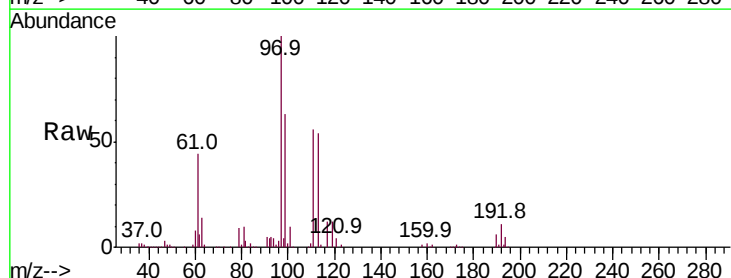
Instrument :
MSVOA_W
ClientSampleId :

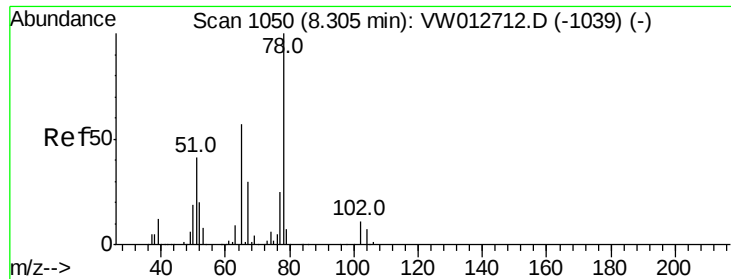
Tot Ion: 56 Resp: 191322
Ion Ratio Lower Upper
56 100
69 33.3 25.7 38.5
84 79.4 60.4 90.6



#32
1,1,1-Trichloroethane
Concen: 51.336 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 97 Resp: 193362
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 45.9 37.9 56.9

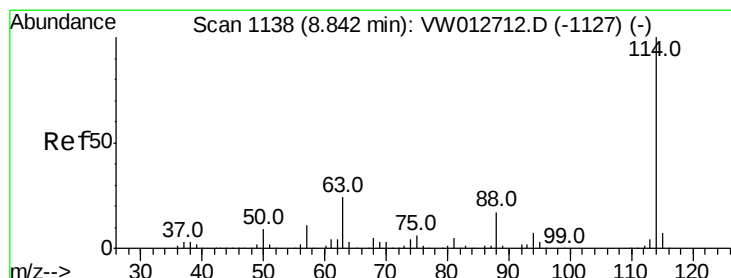
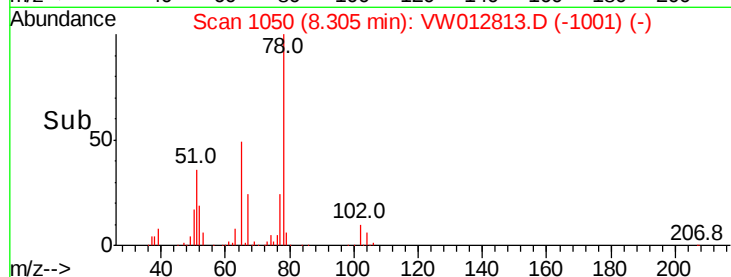
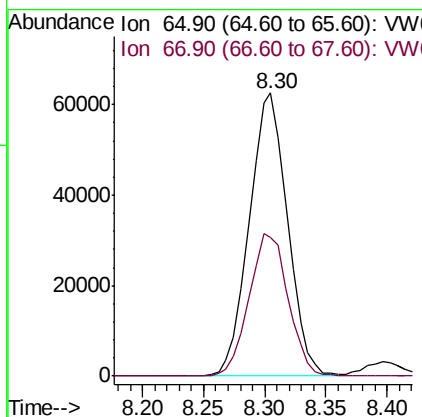
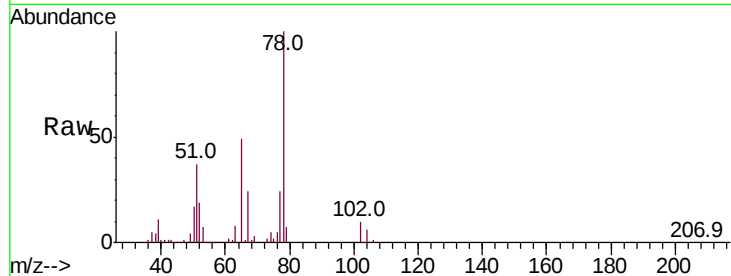




#33
 1,2-Dichloroethane-d4
 Concen: 47.457 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

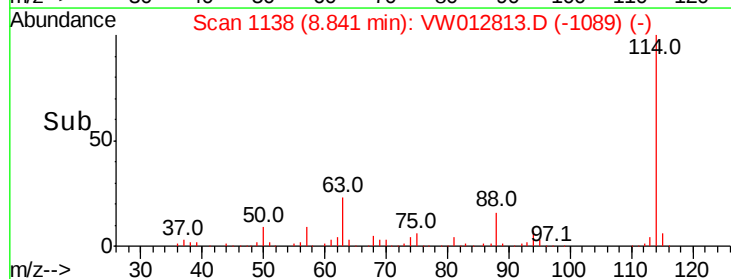
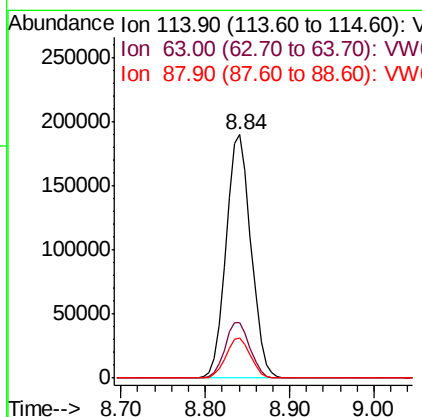
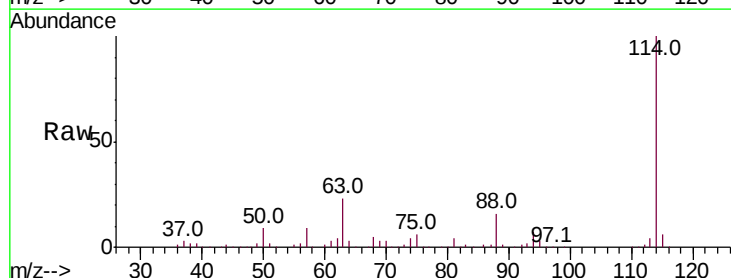
Instrument :
 MSVOA_W
 ClientSampleId :

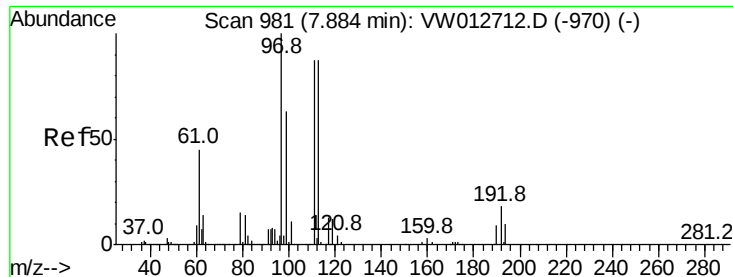
Tot Ion: 65 Resp: 136274
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion: 114 Resp: 382079
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 16.5 0.0 34.0

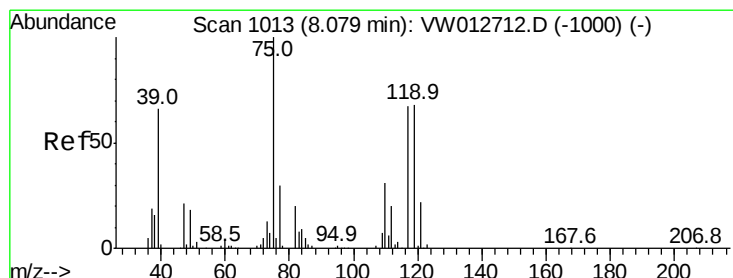
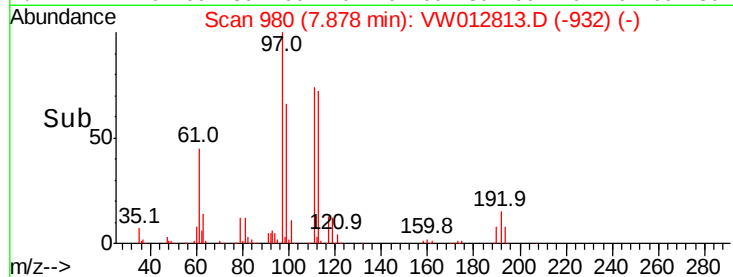
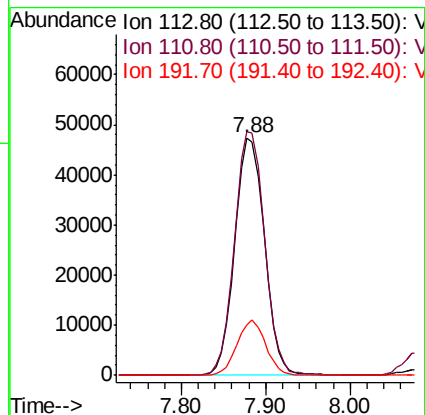
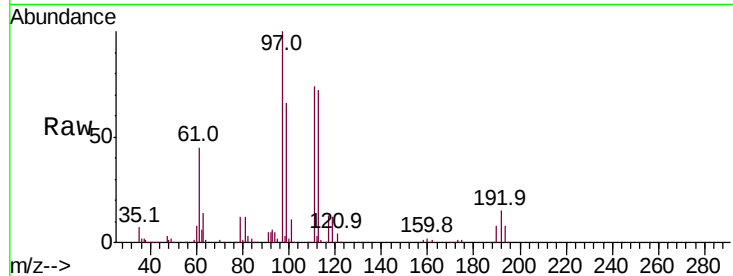




#35
Dibromofluoromethane
Concen: 49.858 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

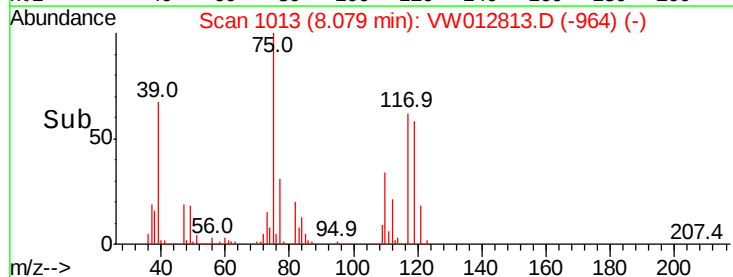
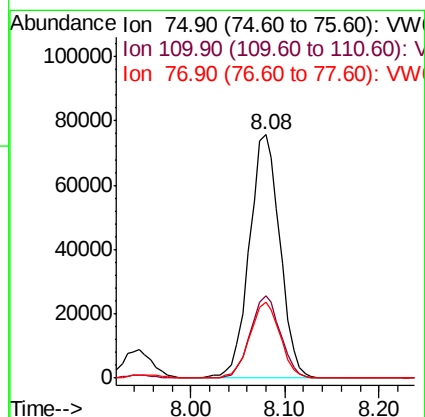
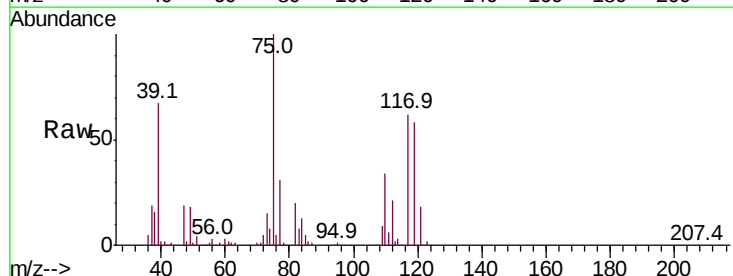
Instrument :
MSVOA_W
ClientSampleId :

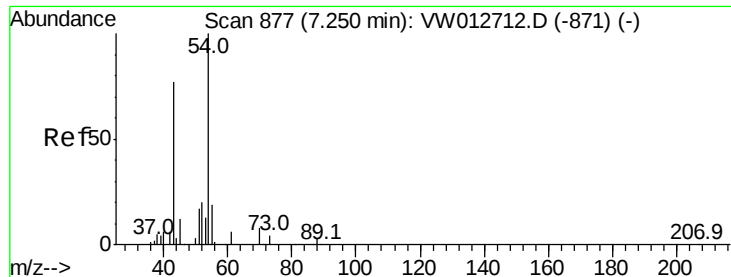
Tot Ion:113 Resp: 113255
Ion Ratio Lower Upper
113 100
111 103.8 80.2 120.4
192 22.3 17.3 25.9



#36
1,1-Dichloropropene
Concen: 50.901 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 75 Resp: 172802
Ion Ratio Lower Upper
75 100
110 33.2 15.9 47.7
77 31.1 25.0 37.4

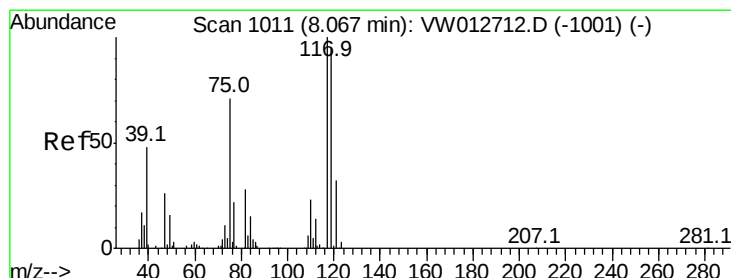
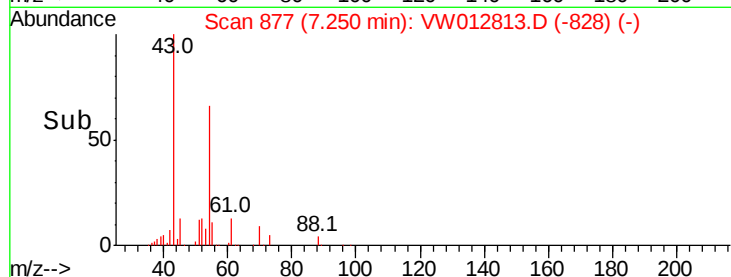
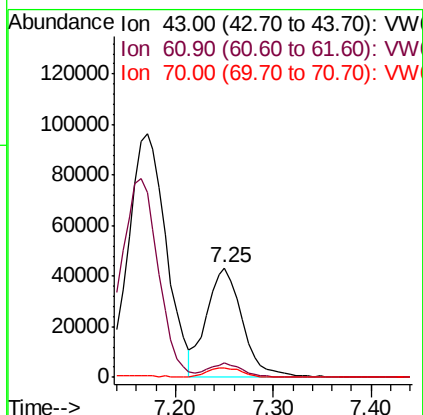
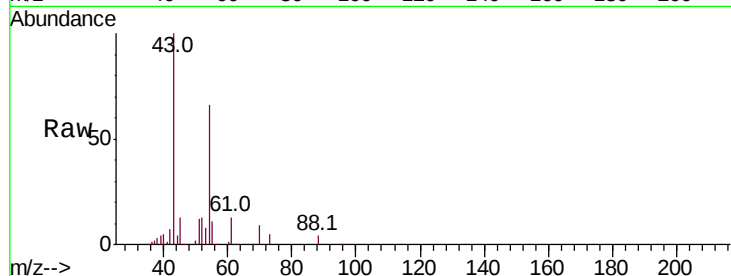




#37
Ethyl Acetate
Concen: 50.641 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

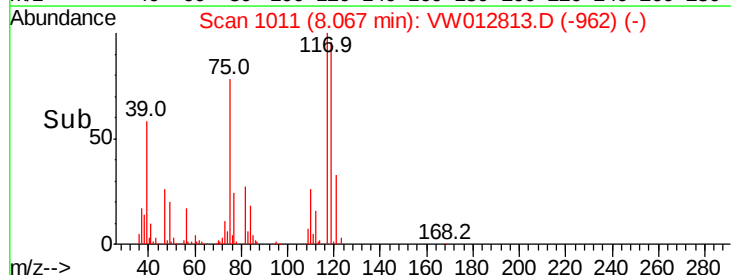
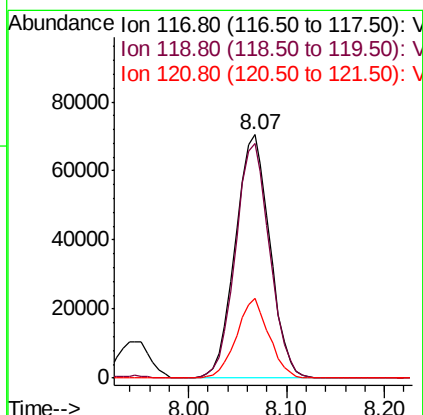
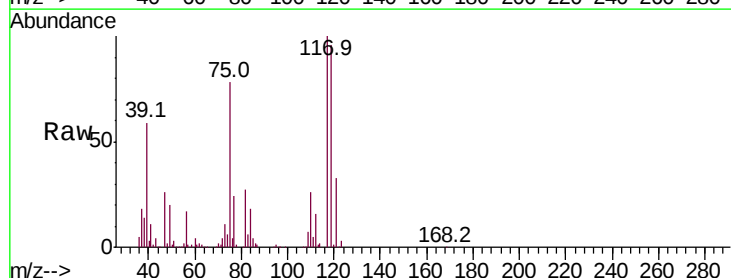
Instrument :
MSVOA_W
ClientSampled :

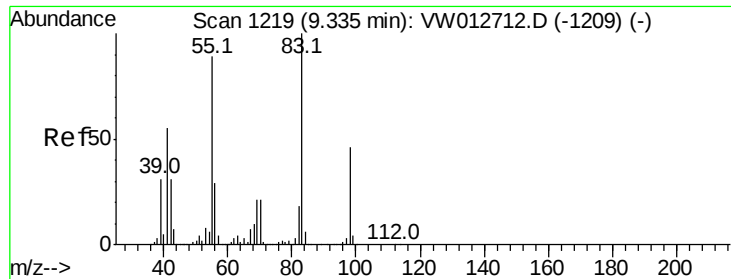
Tot Ion: 43 Resp: 109594
Ion Ratio Lower Upper
43 100
61 12.1 9.5 14.3
70 8.8 7.0 10.6



#38
Carbon Tetrachloride
Concen: 51.615 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 117 Resp: 172728
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.2
121 32.8 25.4 38.2

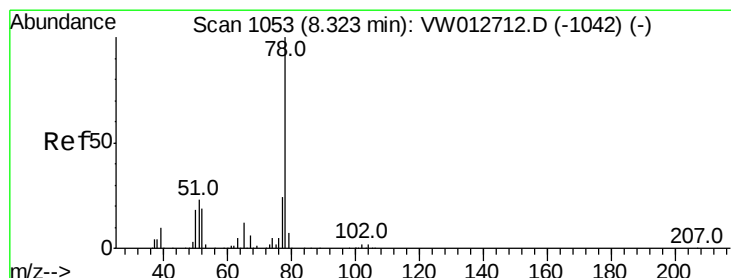
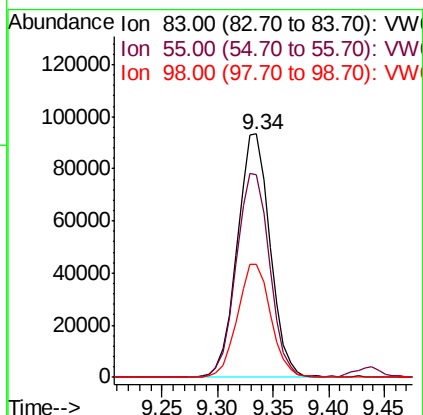
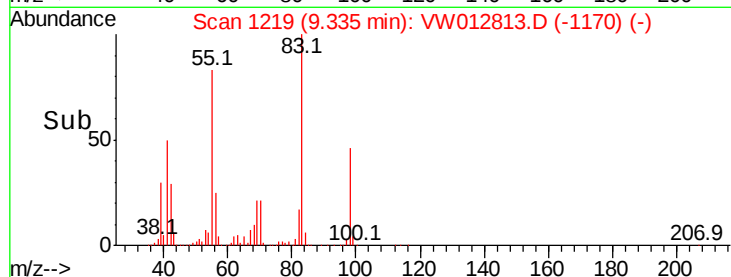
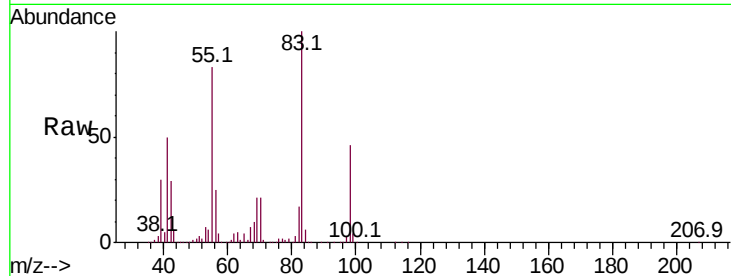




#39
Methvlcvclohexane
Concen: 50.117 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

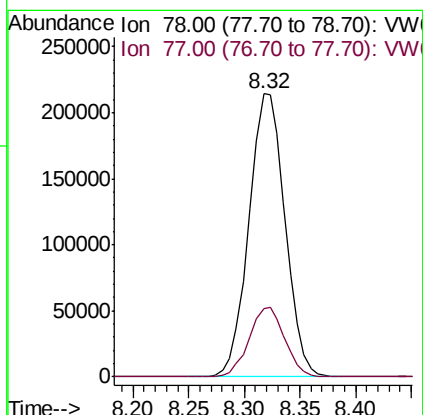
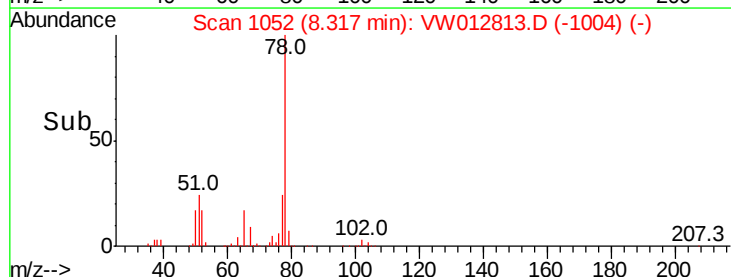
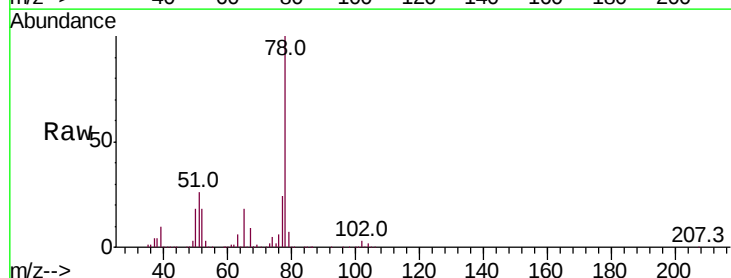
Instrument :
MSVOA_W
ClientSampleId :

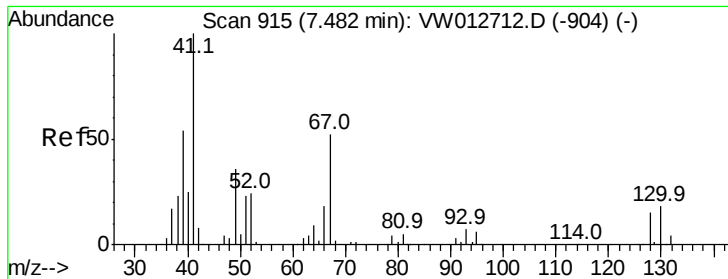
Tot Ion: 83 Resp: 191090
Ion Ratio Lower Upper
83 100
55 83.3 71.0 106.4
98 46.2 36.9 55.3



#40
Benzene
Concen: 51.392 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 78 Resp: 484064
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

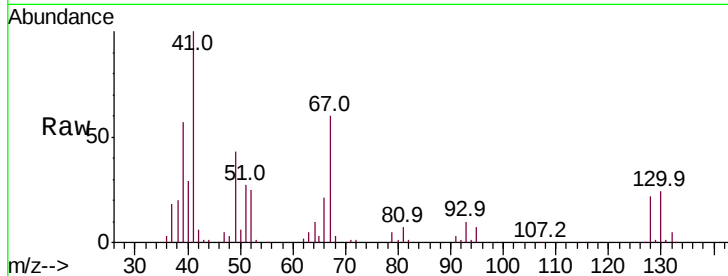




#41
Methacrylonitrile
Concen: 44.440 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	64697
Ion	Ratio	Lower	Upper
41	100		
39	61.5	47.5	71.3
67	62.0	45.1	67.7
52	27.9	20.2	30.2



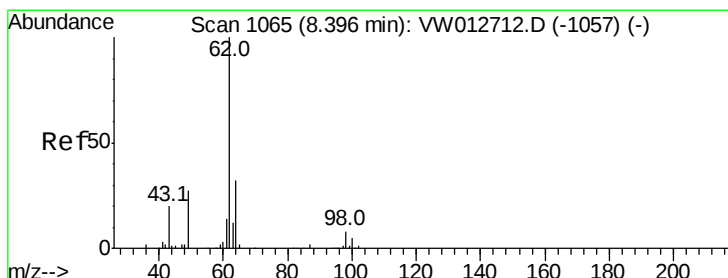
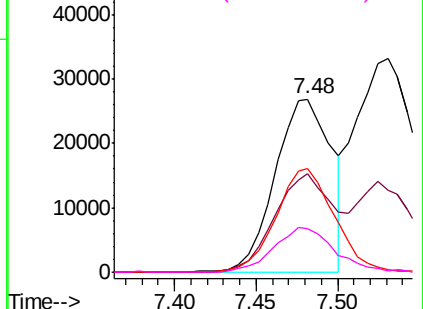
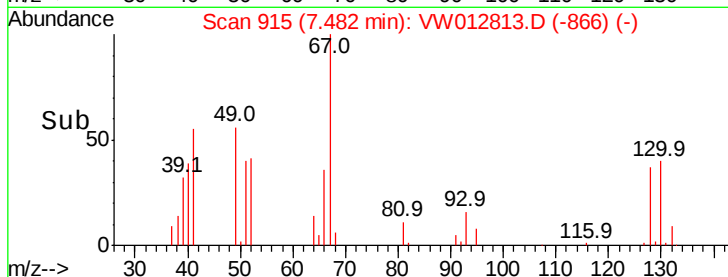
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

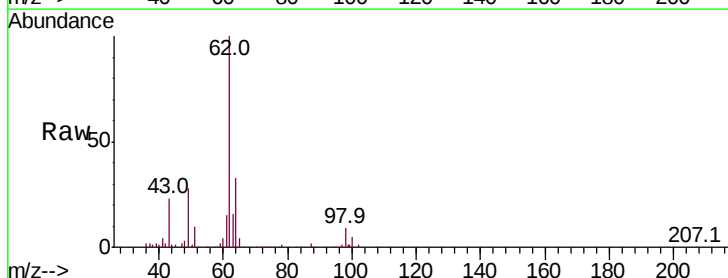
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 49.364 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

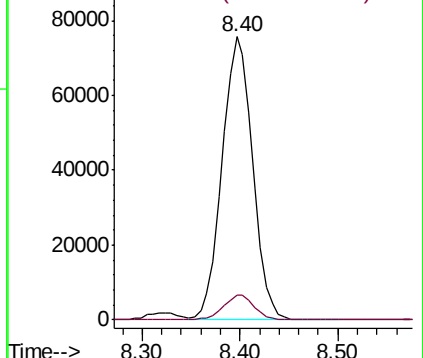
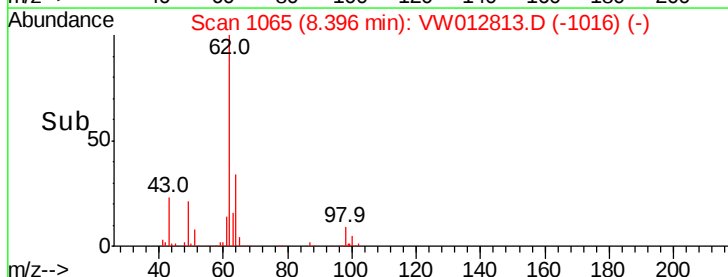
Tgt Ion:	62	Resp:	163639
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.2

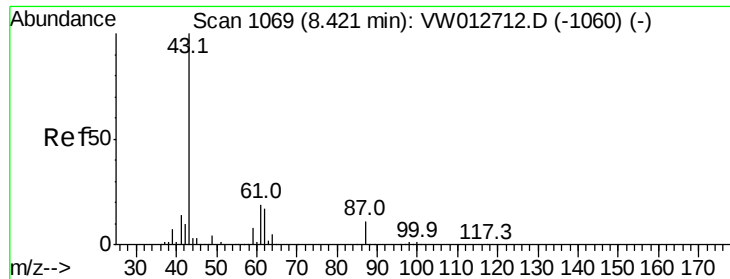


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 51.267 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampled :

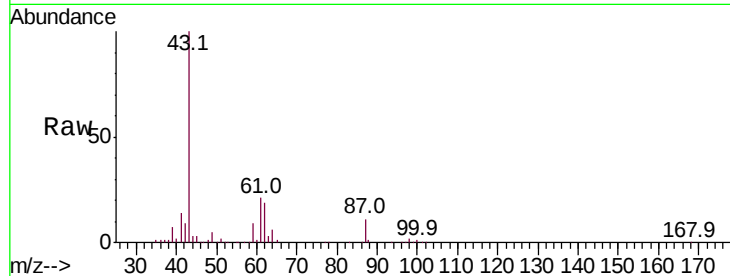
Tot Ion: 43 Resp: 210198

Ion Ratio Lower Upper

43 100

61 26.6 20.6 30.8

87 11.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

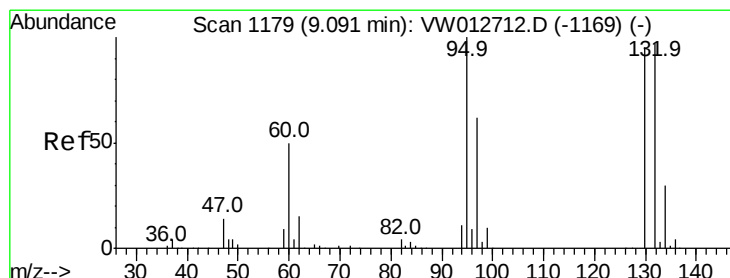
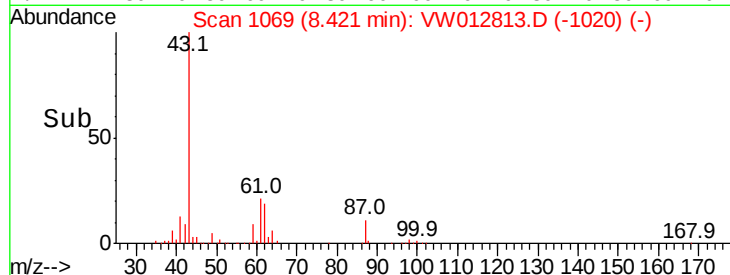
8.42

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 52.931 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012813.D

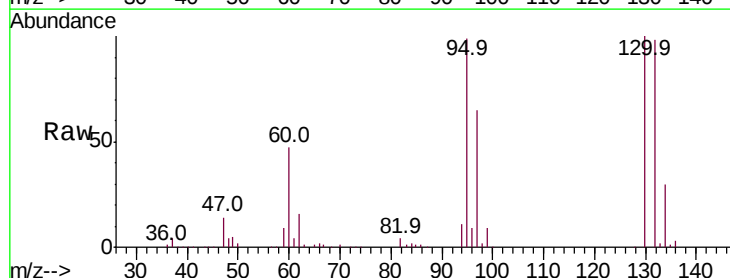
Acq: 09 Sep 2019 11:28

Tgt Ion:130 Resp: 128515

Ion Ratio Lower Upper

130 100

95 98.8 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

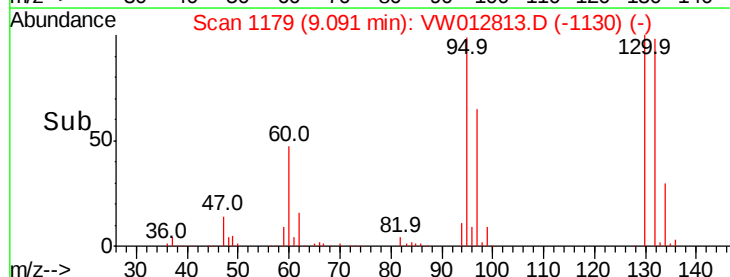
60000

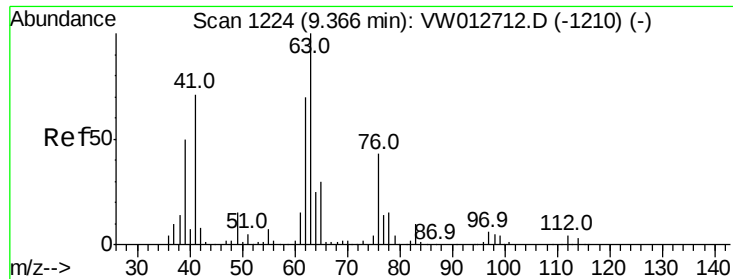
40000

20000

0

Time-->





#45

1,2-Dichloropropane

Concen: 51.020 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

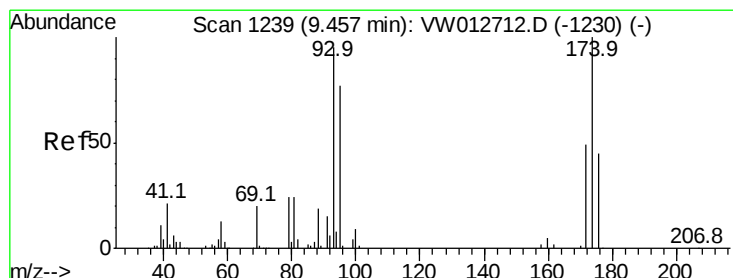
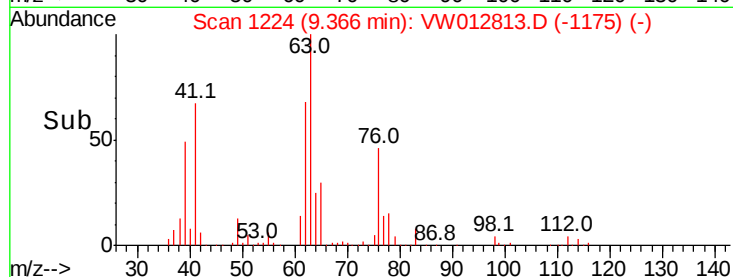
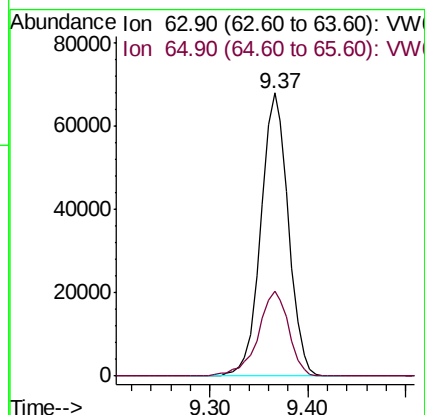
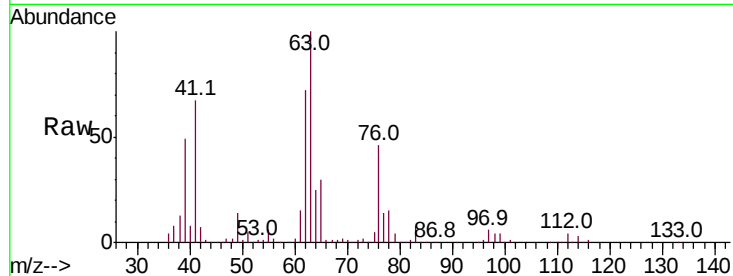
ClientSampleId :

Tot Ion: 63 Resp: 133287

Ion Ratio Lower Upper

63 100

65 30.0 23.8 35.8



#46

Dibromomethane

Concen: 52.982 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

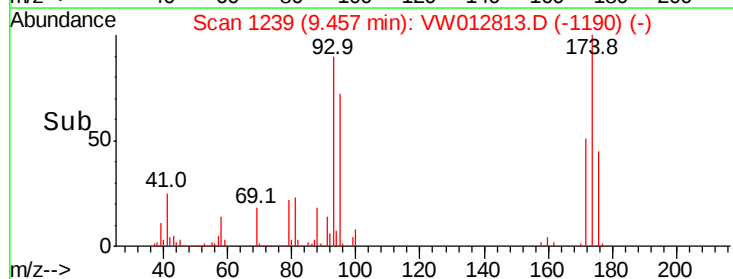
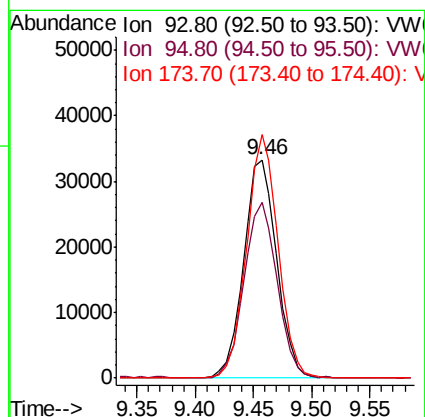
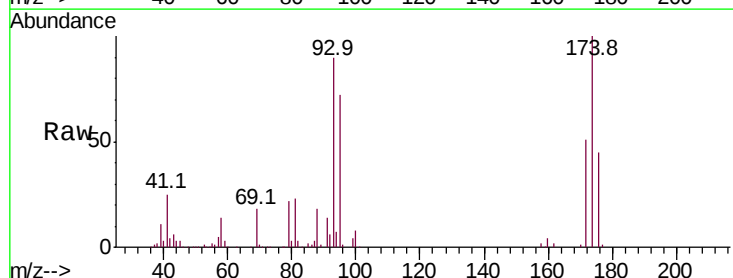
Tgt Ion: 93 Resp: 65543

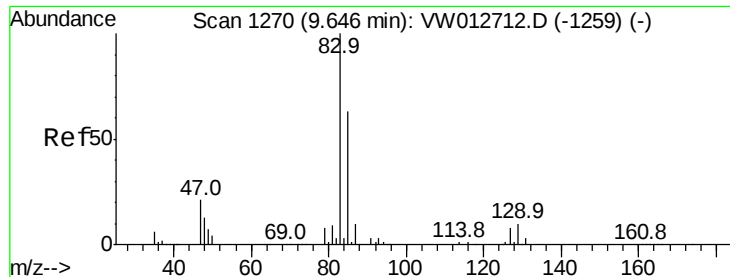
Ion Ratio Lower Upper

93 100

95 80.4 65.2 97.8

174 106.5 84.2 126.4





#47

Bromodichloromethane

Concen: 51.986 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

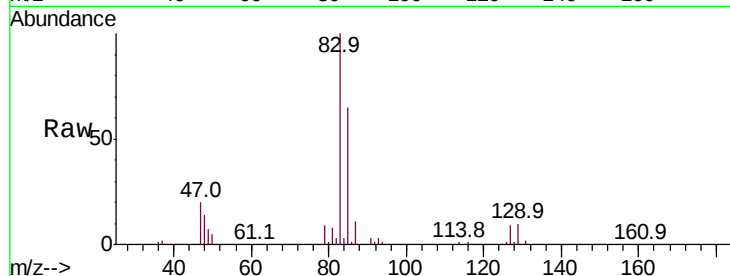
Tot Ion: 83 Resp: 176935

Ion Ratio Lower Upper

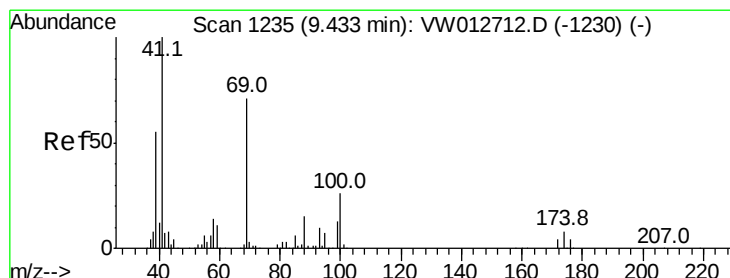
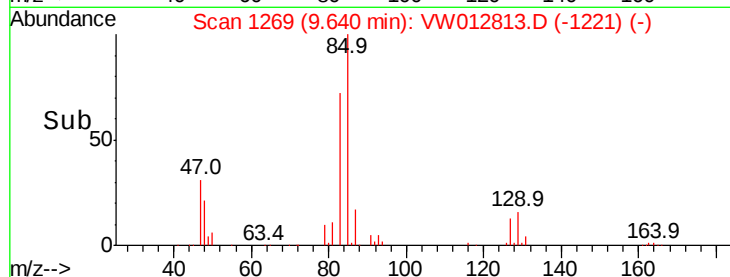
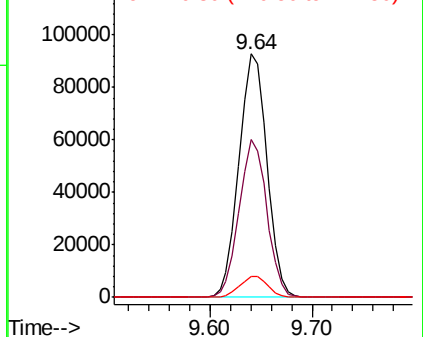
83 100

85 64.6 50.2 75.2

127 8.7 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: 50.395 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

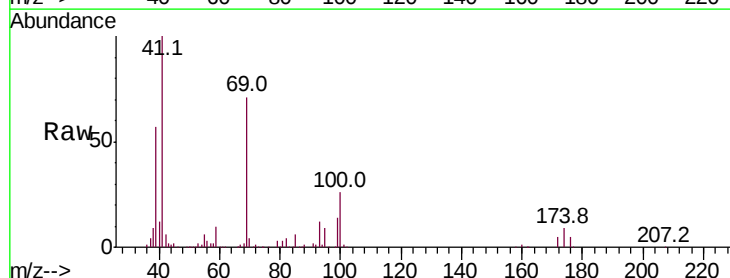
Tgt Ion: 41 Resp: 98744

Ion Ratio Lower Upper

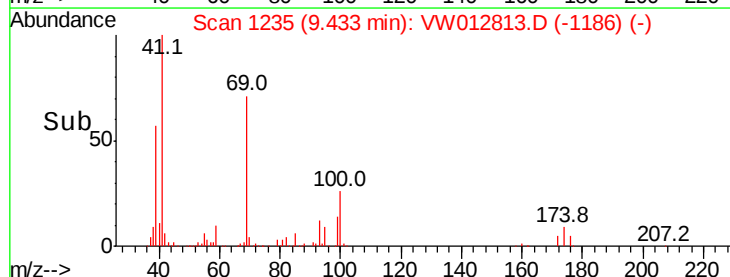
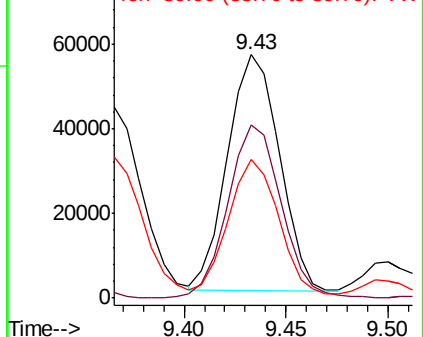
41 100

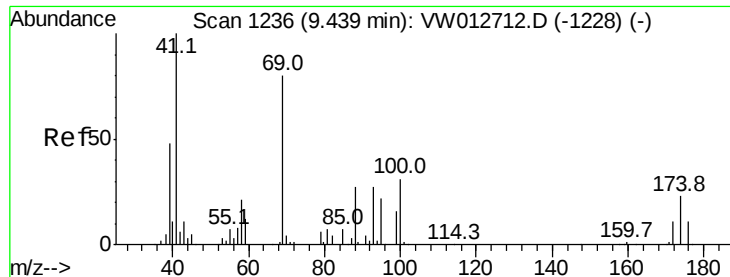
69 74.9 59.8 89.8

39 58.1 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: 939.191 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.03 min

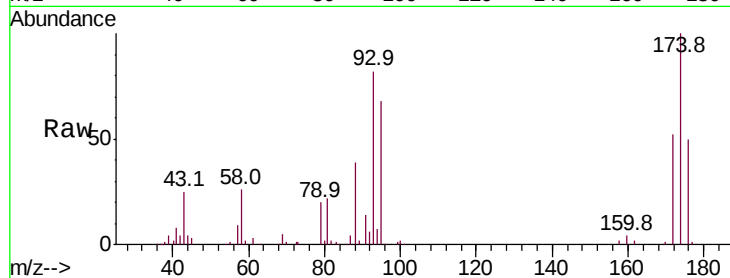
Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

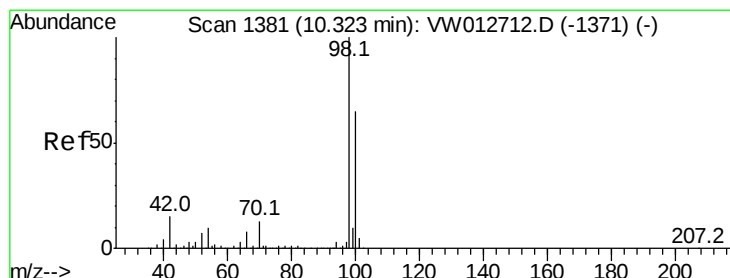
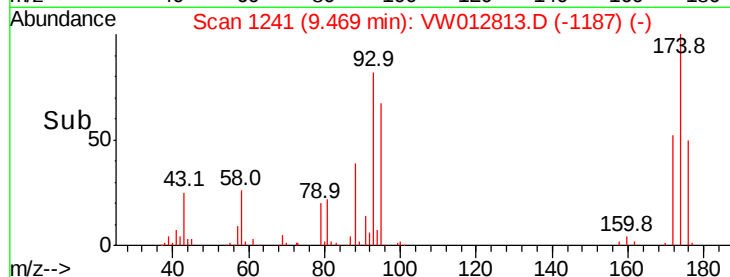
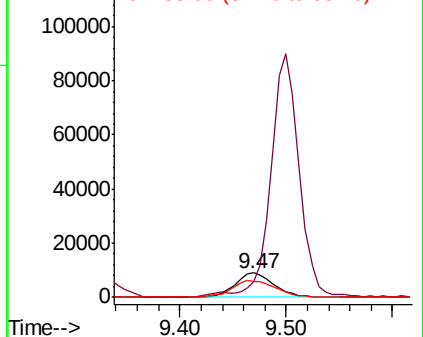
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 22950

Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	80.8	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: 51.765 ug/l

RT: 10.32 min Scan# 1381

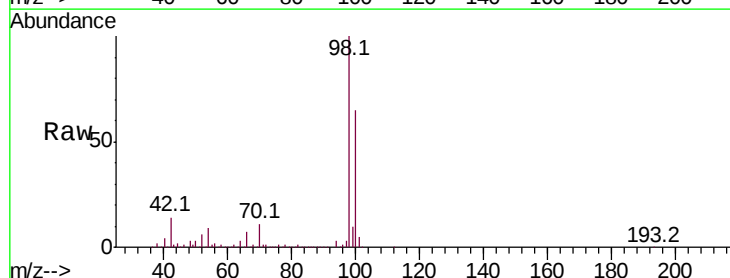
Delta R.T. -0.00 min

Lab File: VW012813.D

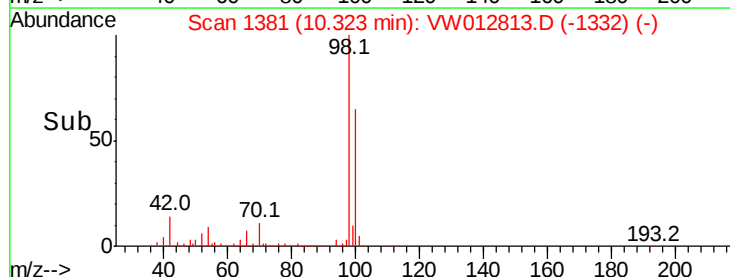
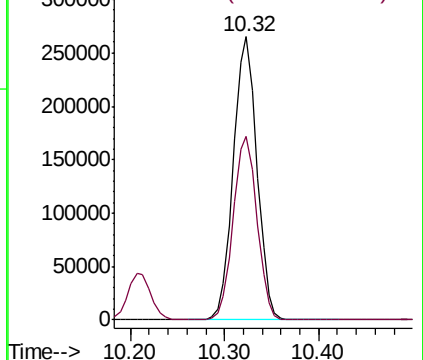
Acq: 09 Sep 2019 11:28

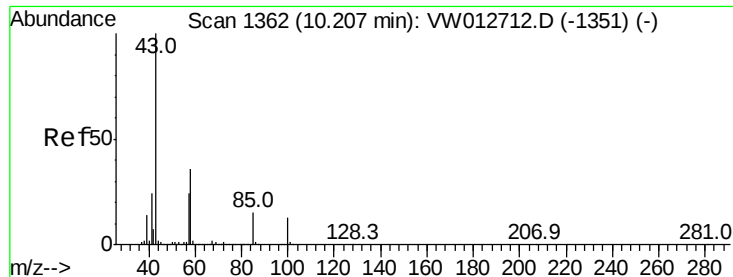
Tgt Ion: 98 Resp: 460680

Ion	Ratio	Lower	Upper
98	100		
100	65.5	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: 253.230 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

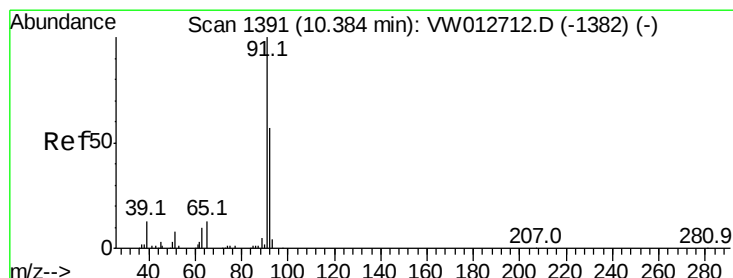
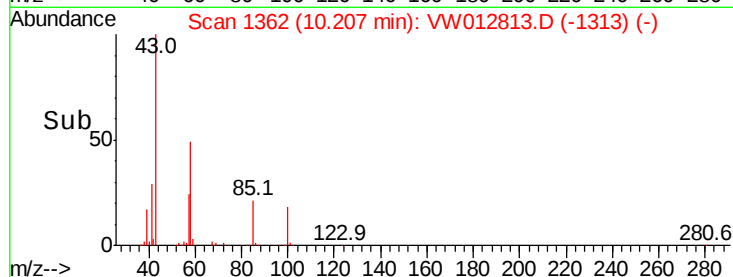
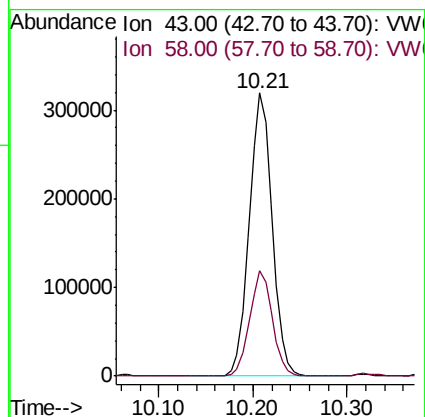
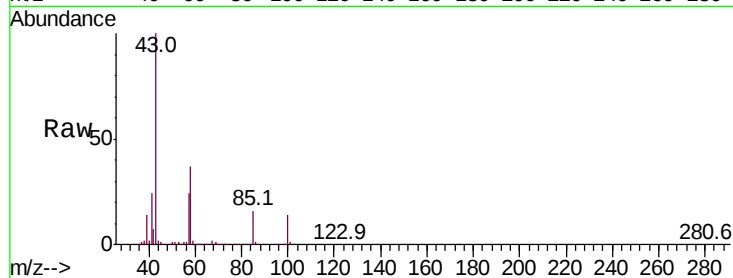
ClientSampleId :

Tot Ion: 43 Resp: 544810

Ion Ratio Lower Upper

43 100

58 36.8 28.4 42.6



#52

Toluene

Concen: 52.834 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012813.D

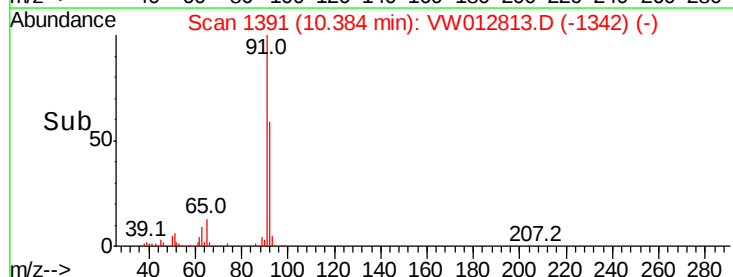
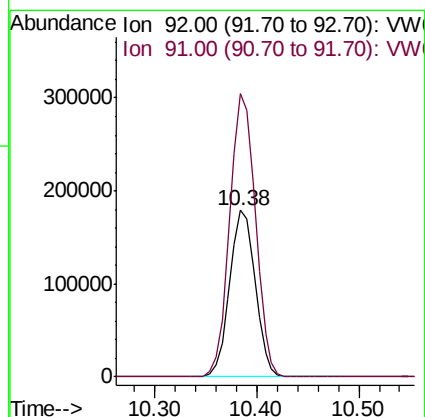
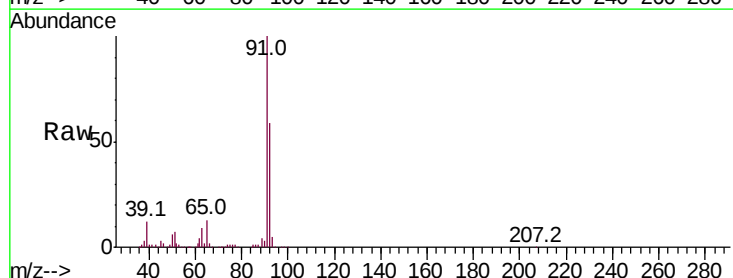
Acq: 09 Sep 2019 11:28

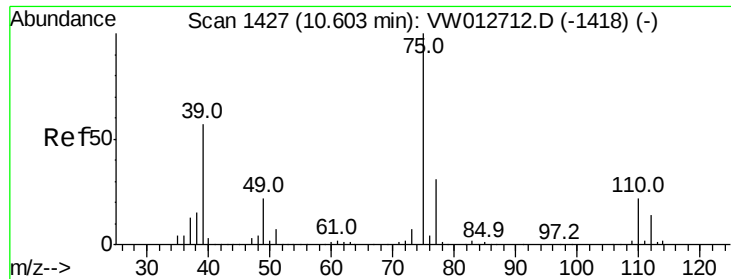
Tgt Ion: 92 Resp: 310603

Ion Ratio Lower Upper

92 100

91 170.9 137.0 205.4

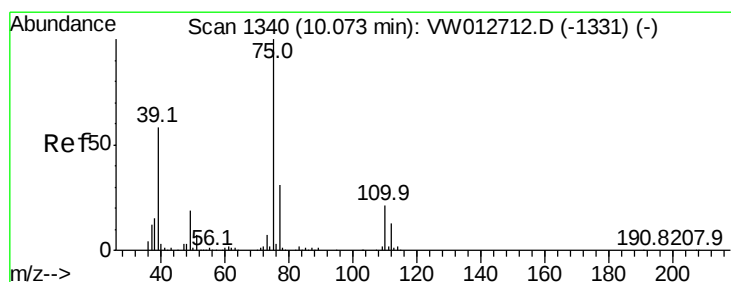
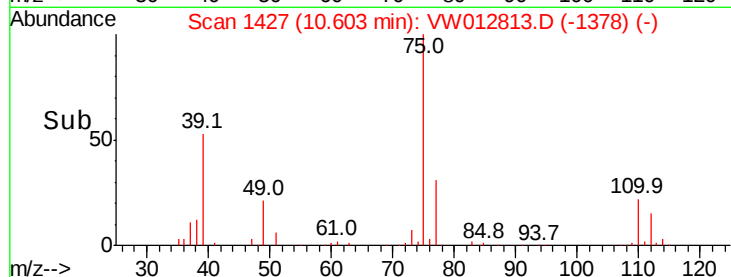
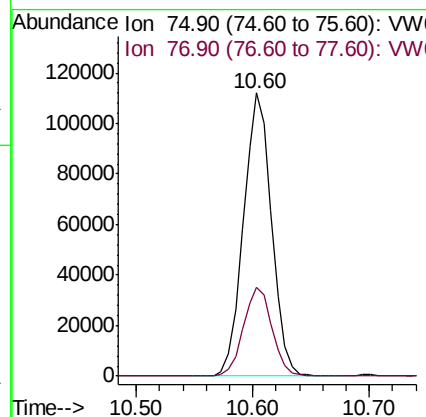
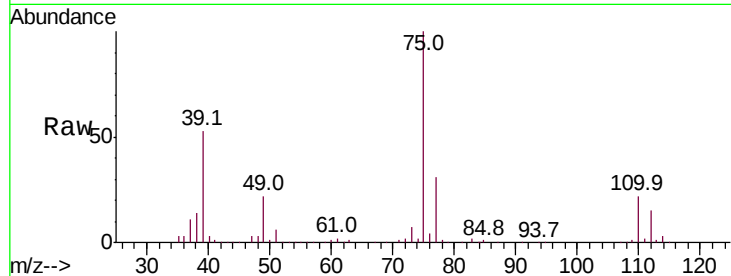




#53
 t-1,3-Dichloropropene
 Concen: 53.677 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

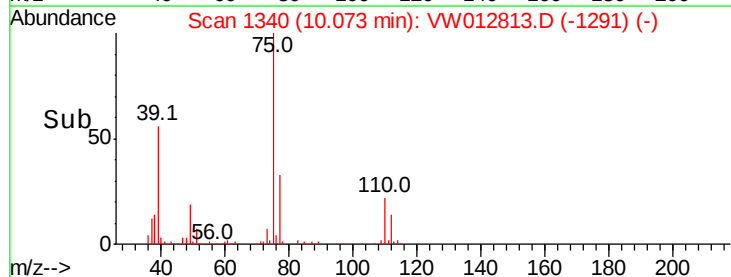
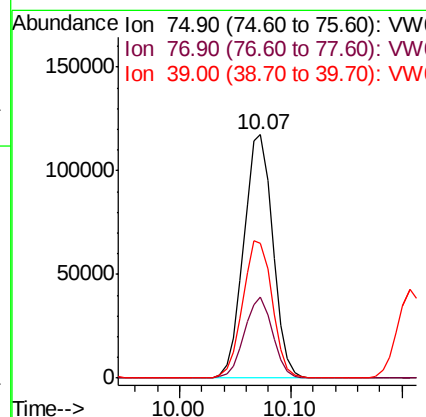
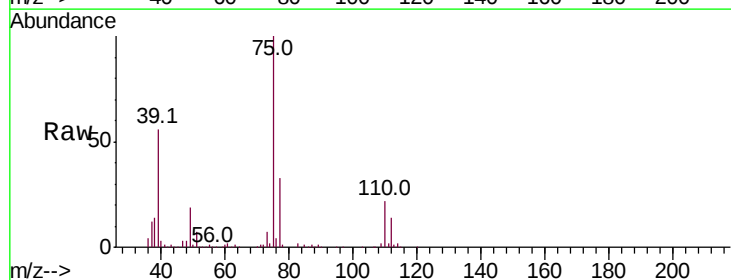
Instrument :
 MSVOA_W
 ClientSampleId :

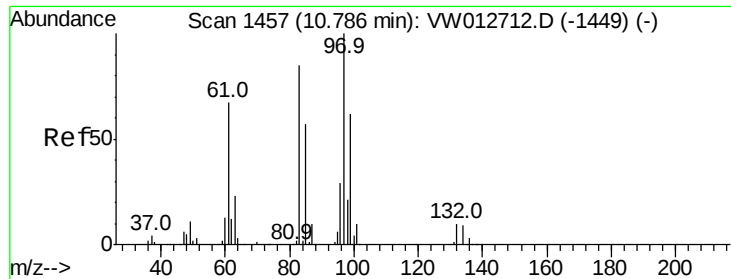
Tot Ion: 75 Resp: 187854
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 53.701 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion: 75 Resp: 213200
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.6 36.8
 39 55.6 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 54.181 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

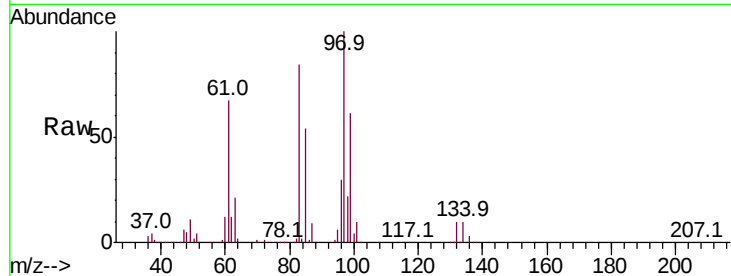
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 100347

Ion	Ratio	Lower	Upper
97	100		
83	83.6	68.1	102.1
85	54.0	45.3	67.9
99	61.4	50.0	75.0

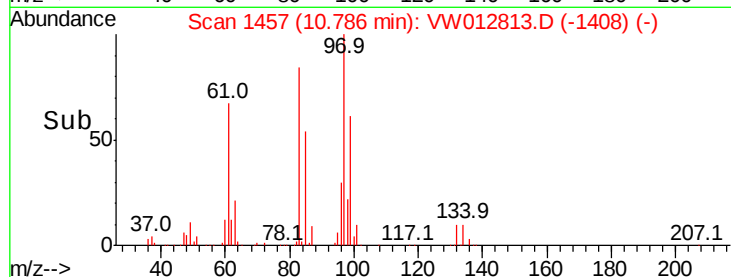


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



Time-->

10.79

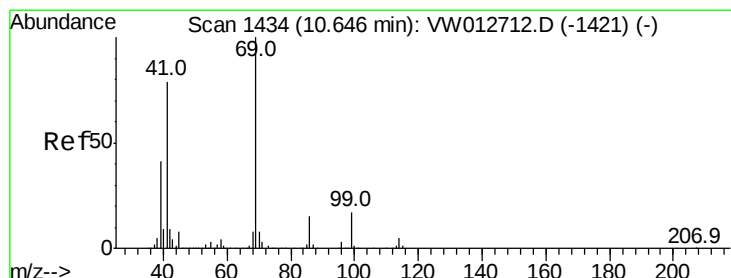
60000

40000

20000

0

10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 55.075 ug/l

RT: 10.65 min Scan# 1434

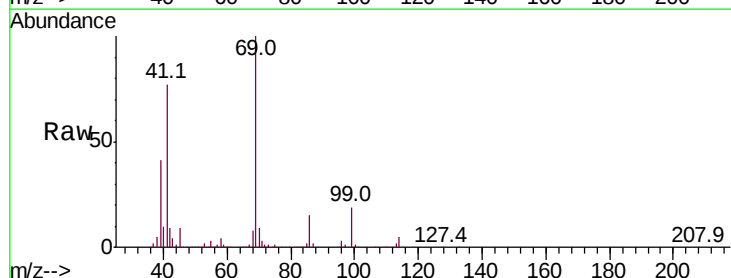
Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion: 69 Resp: 149312

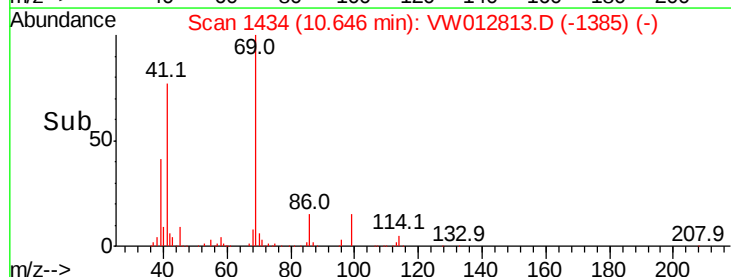
Ion	Ratio	Lower	Upper
69	100		
41	76.1	64.4	96.6
39	36.1	31.1	46.7



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->

10.65

120000

100000

80000

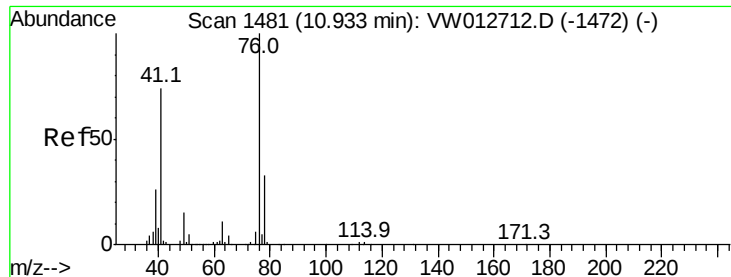
60000

40000

20000

0

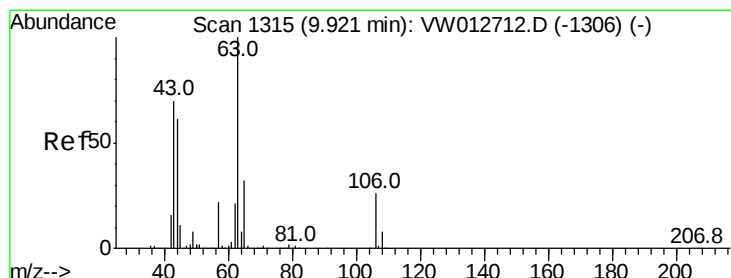
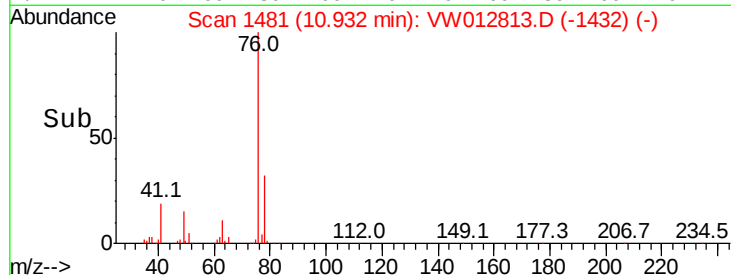
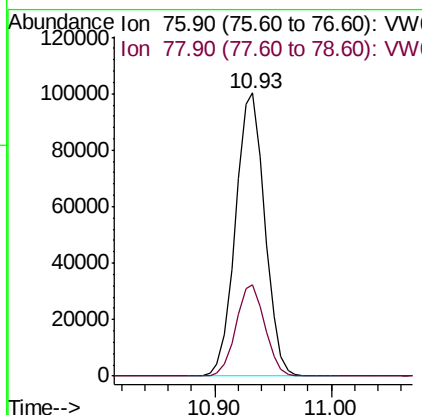
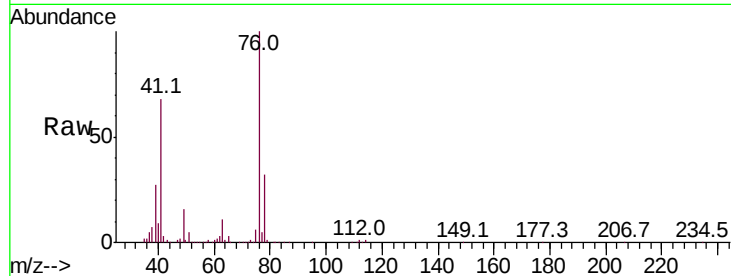
10.50 10.60 10.70



#57
 1,3-Dichloropropane
 Concen: 51.227 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

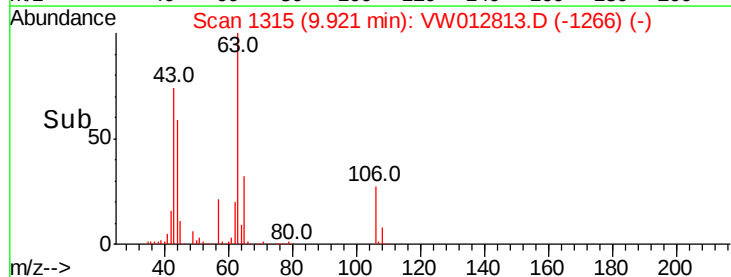
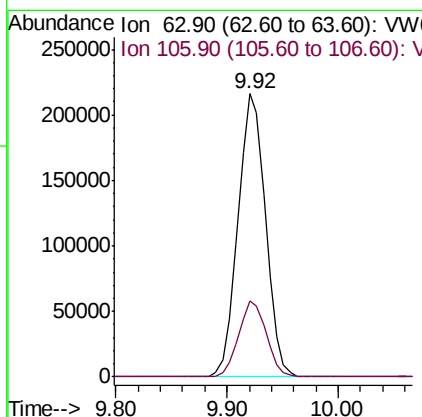
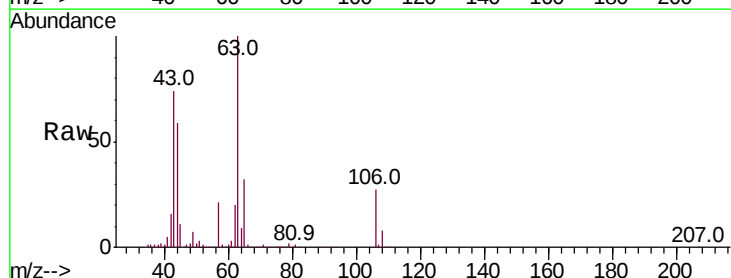
Instrument :
 MSVOA_W
 ClientSampled :

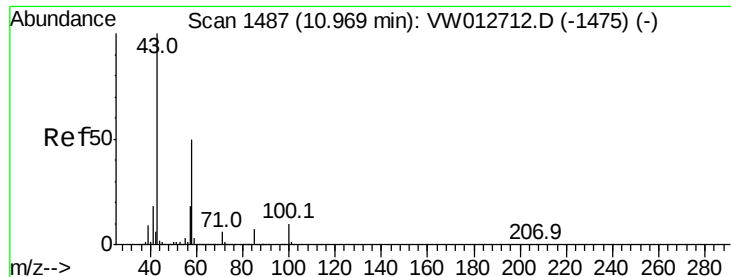
Tot Ion: 76 Resp: 175519
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.527 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion: 63 Resp: 370644
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.5 30.7

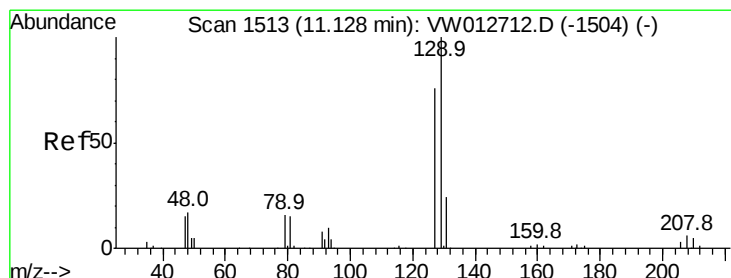
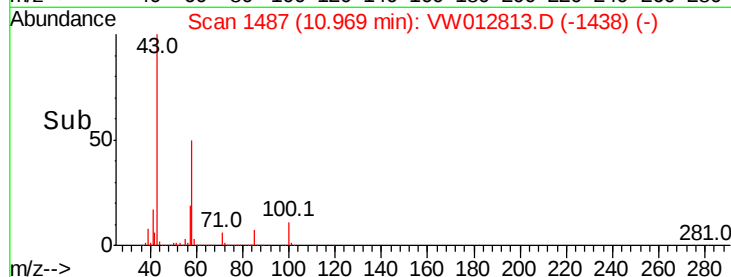
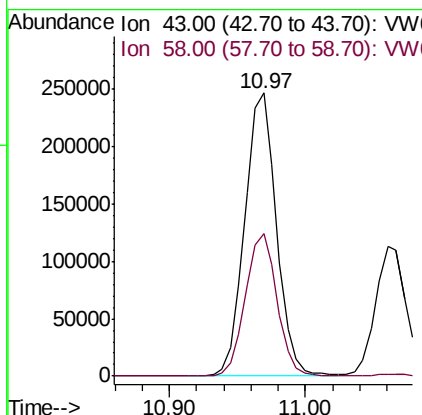
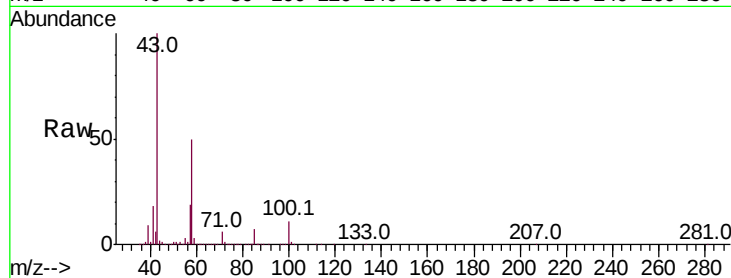




#59
2-Hexanone
Concen: 256.365 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

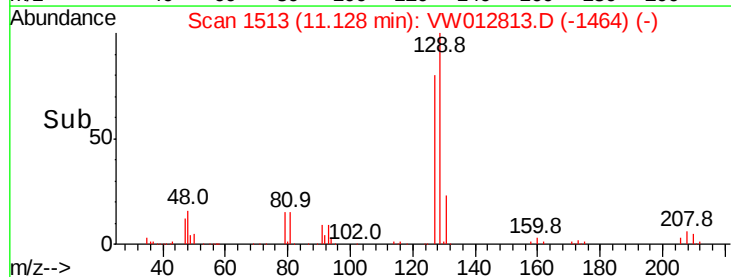
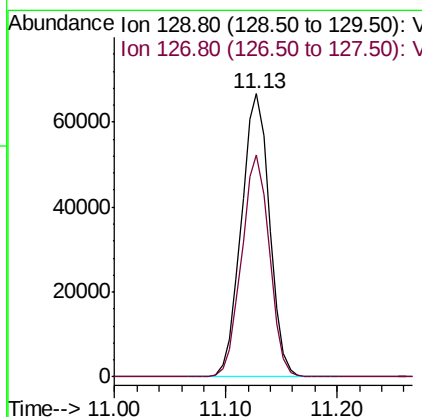
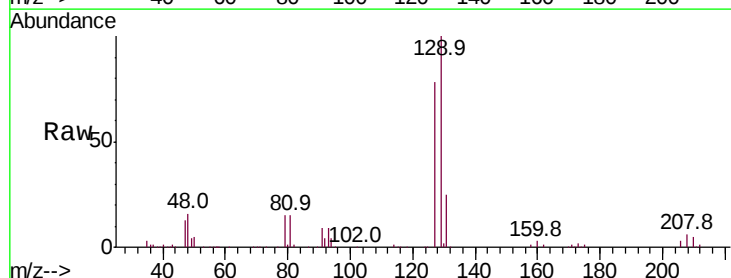
Instrument :
MSVOA_W
ClientSampled :

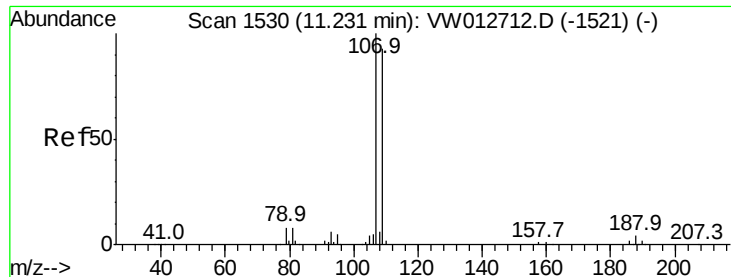
Tot Ion: 43 Resp: 402955
Ion Ratio Lower Upper
43 100
58 50.3 24.7 74.1



#60
Dibromochloromethane
Concen: 53.655 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 129 Resp: 116870
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

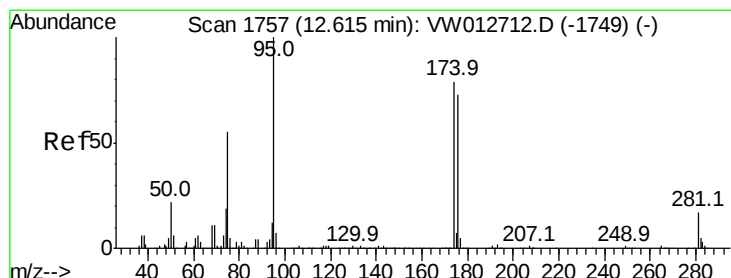
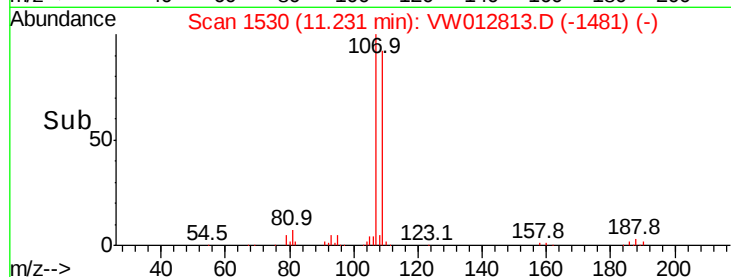
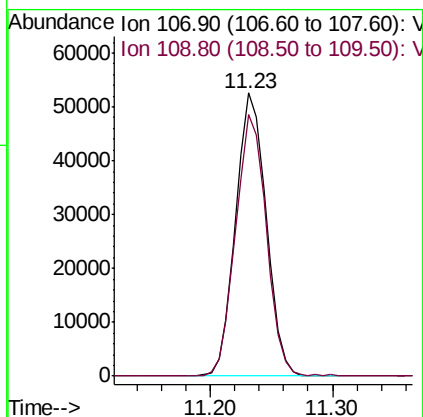
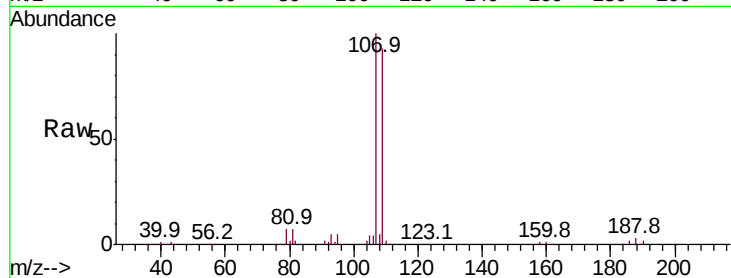




#61
 1,2-Dibromoethane
 Concen: 53.644 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

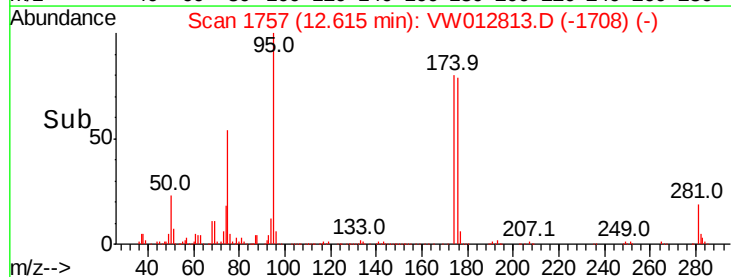
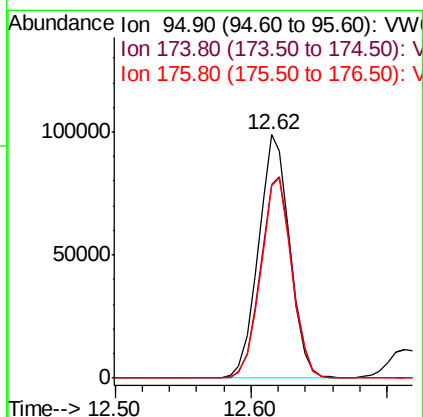
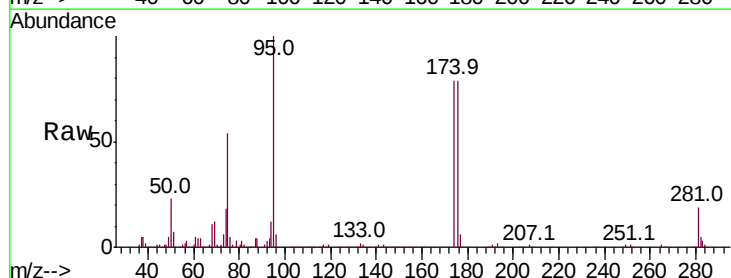
Instrument :
 MSVOA_W
 ClientSampled :

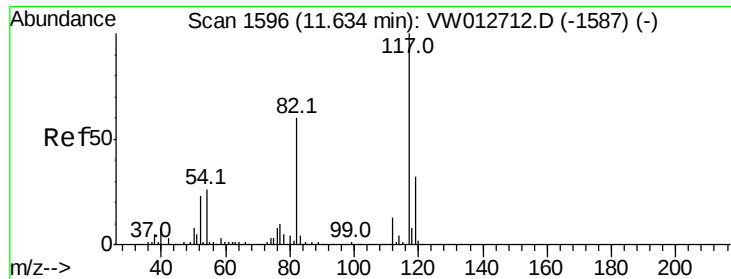
Tot Ion:107 Resp: 91085
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.029 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion: 95 Resp: 158403
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 161.0
 176 81.7 0.0 156.4

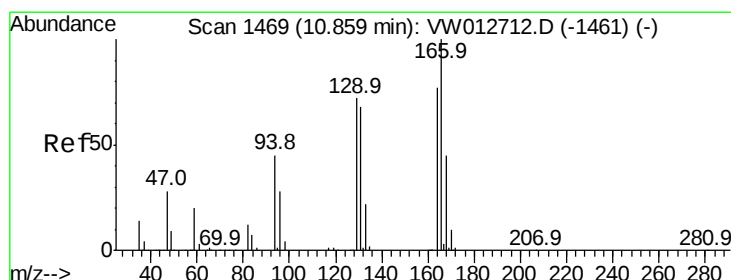
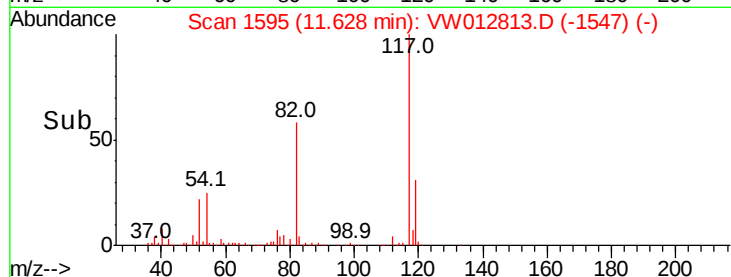
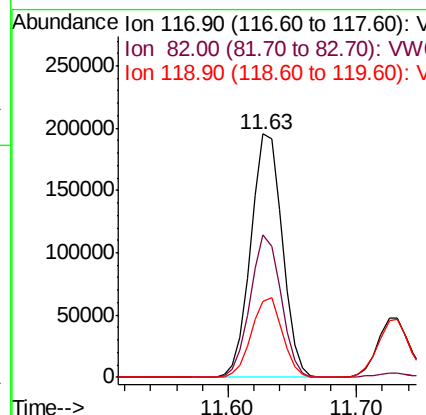
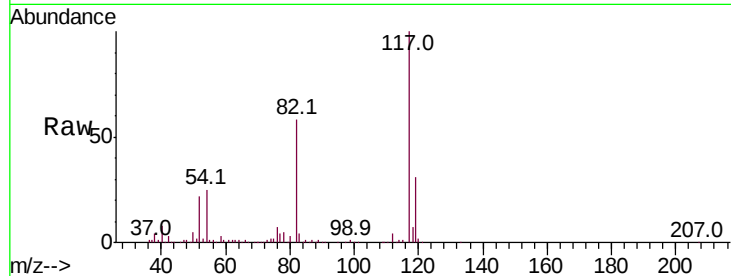




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

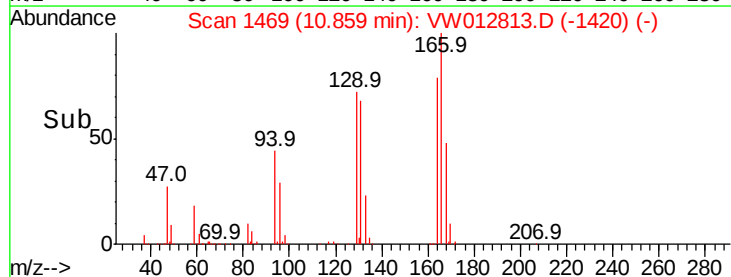
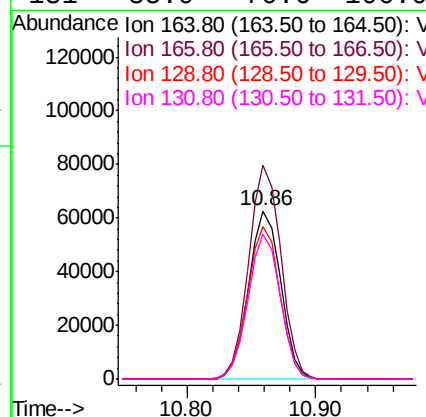
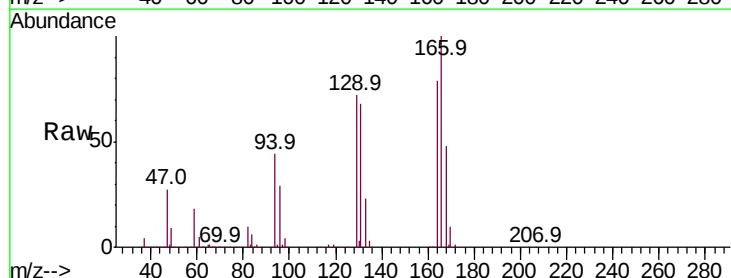
Instrument :
MSVOA_W
ClientSampled :

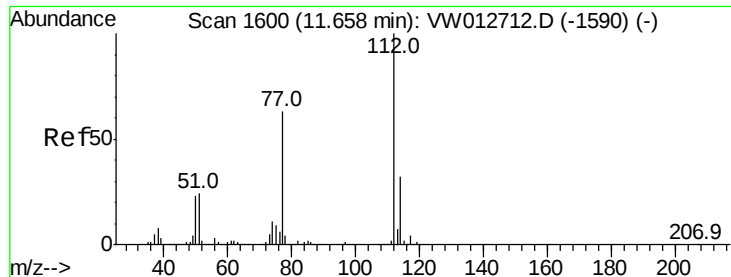
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.2	72.4
119	31.2	25.8	38.6



#64
Tetrachloroethene
Concen: 53.907 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.6	155.4
129	90.9	74.6	112.0
131	85.9	70.6	106.0

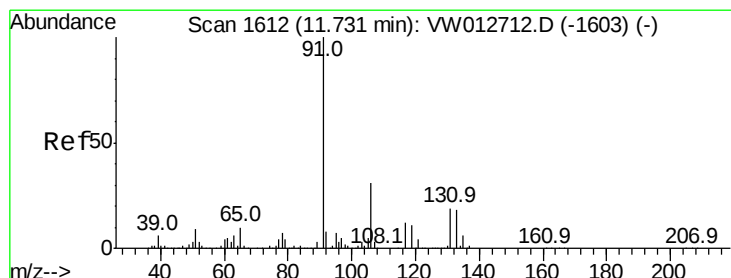
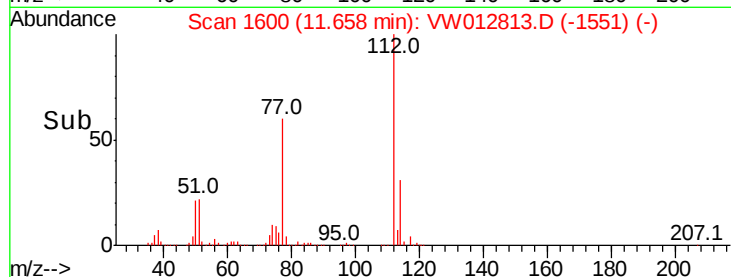
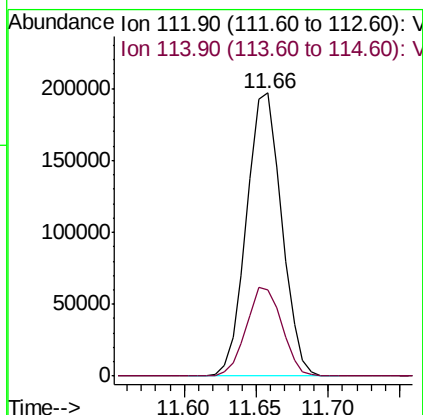
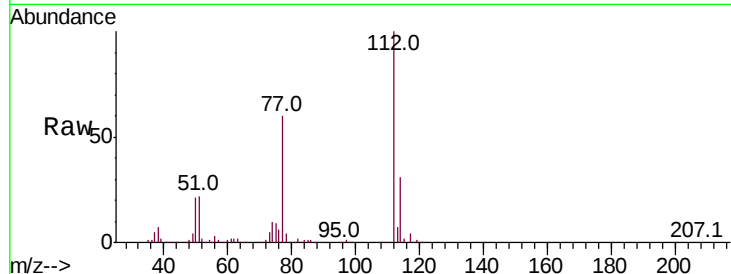




#65
Chlorobenzene
Concen: 53.493 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

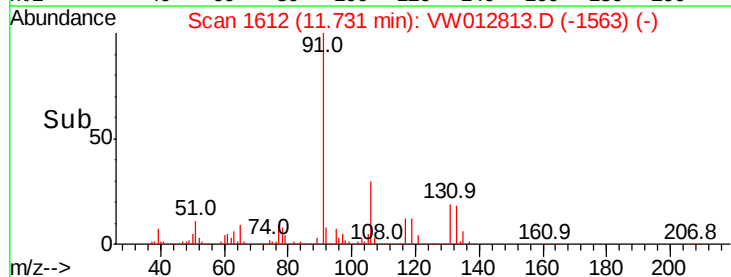
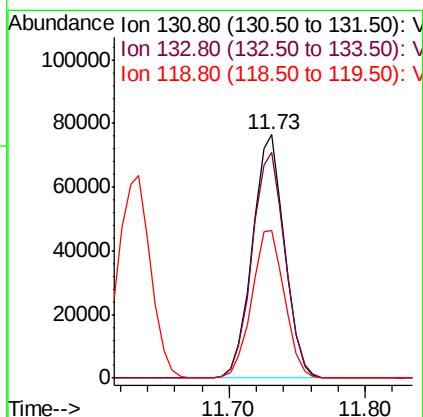
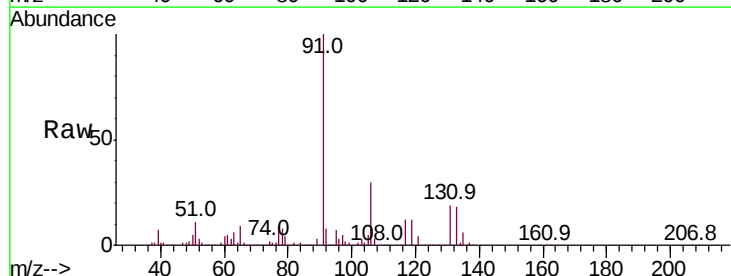
Instrument :
MSVOA_W
ClientSampled :

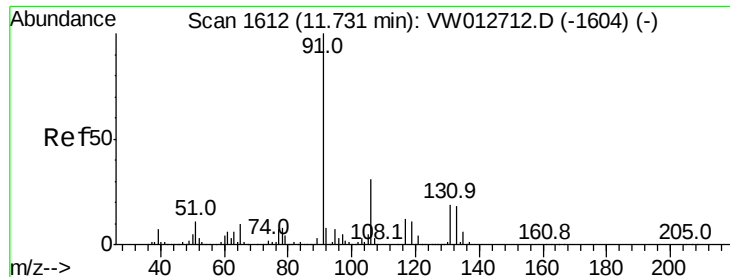
Tot Ion:112 Resp: 332224
Ion Ratio Lower Upper
112 100
114 30.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.807 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion:131 Resp: 126761
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.8
119 62.1 30.6 92.0

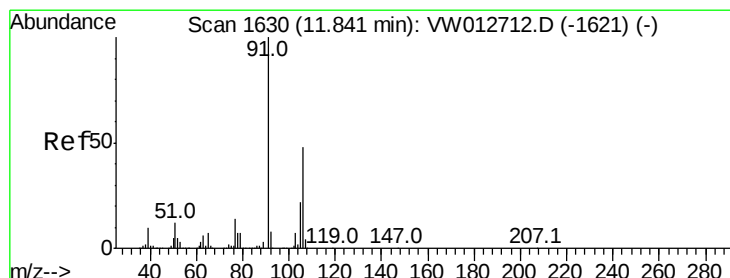
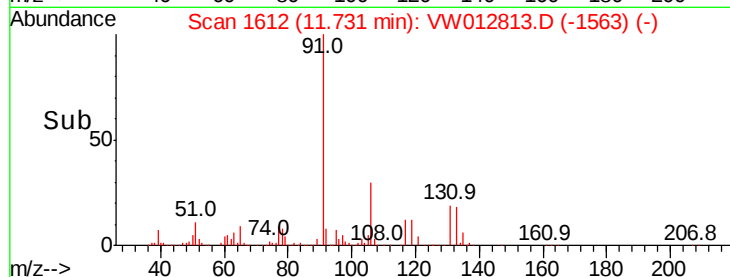
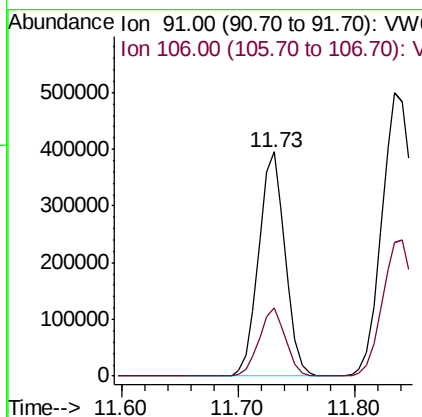
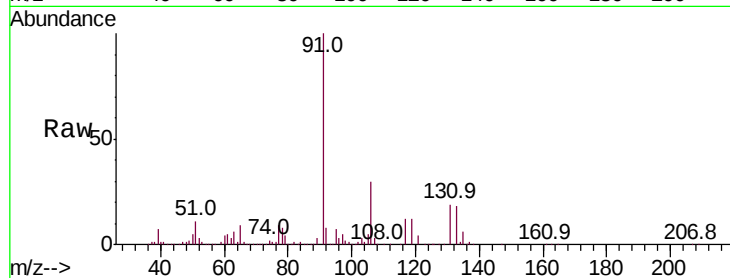




#67
Ethyl Benzene
Concen: 53.751 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

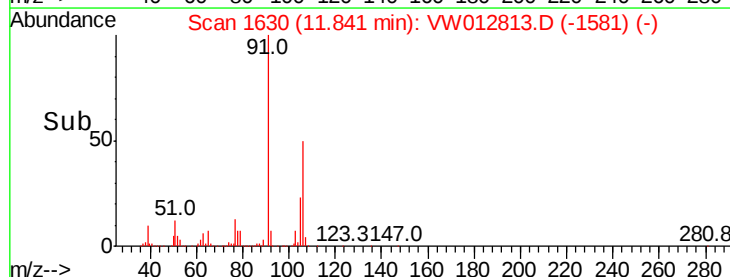
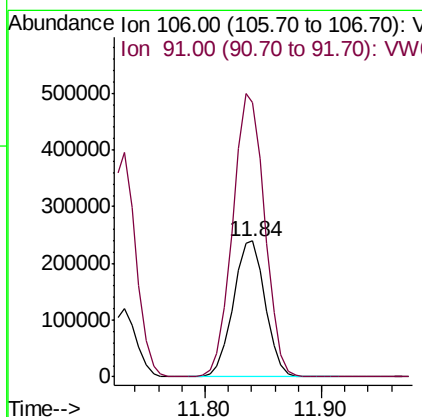
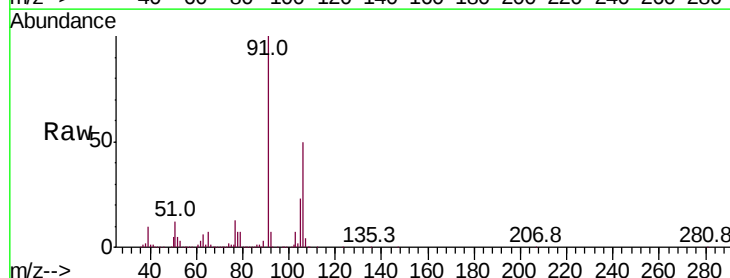
Instrument :
MSVOA_W
ClientSampleId :

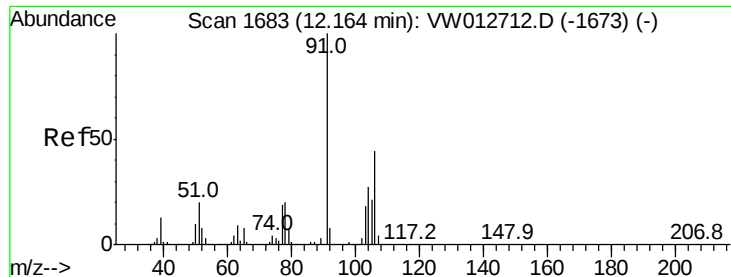
Tot Ion: 91 Resp: 626330
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6



#68
m/p-Xylenes
Concen: 108.539 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion:106 Resp: 456521
Ion Ratio Lower Upper
106 100
91 208.2 168.2 252.4

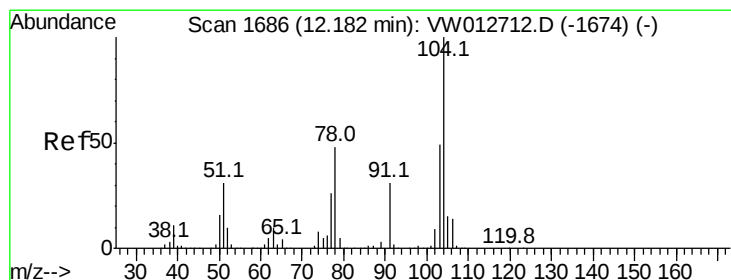
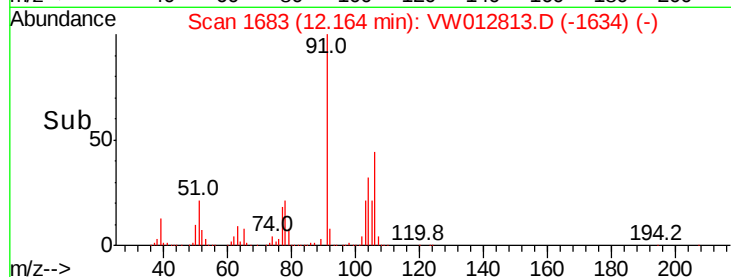
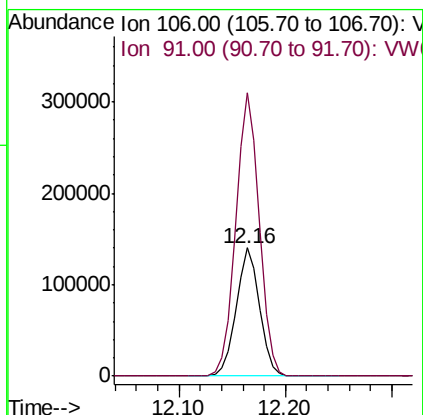
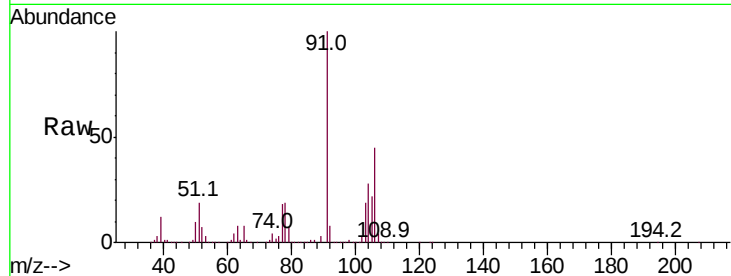




#69
o-Xylene
Concen: 54.318 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

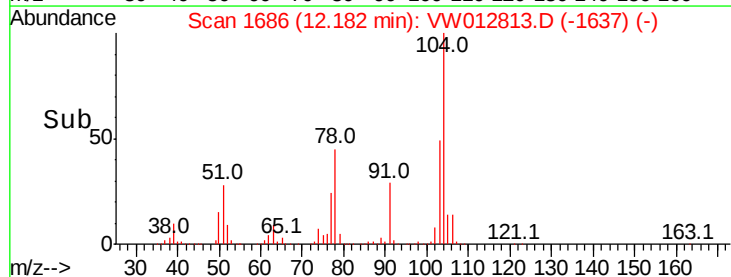
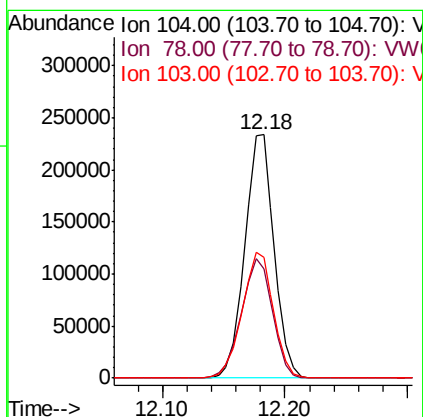
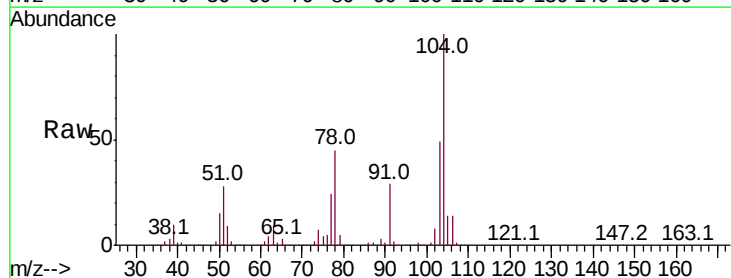
Instrument :
MSVOA_W
ClientSampleId :

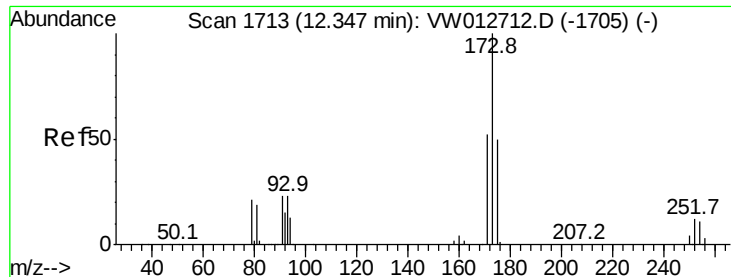
Tot Ion:106 Resp: 215537
Ion Ratio Lower Upper
106 100
91 221.9 112.3 336.8



#70
Styrene
Concen: 55.379 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion:104 Resp: 388313
Ion Ratio Lower Upper
104 100
78 52.2 43.3 64.9
103 54.7 44.0 66.0





#71

Bromoform

Concen: 55.070 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampled :

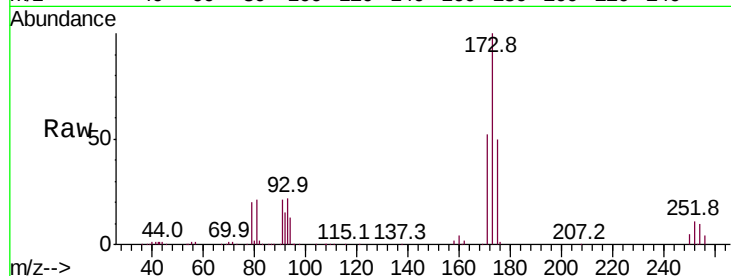
Tot Ion:173 Resp: 70764

Ion Ratio Lower Upper

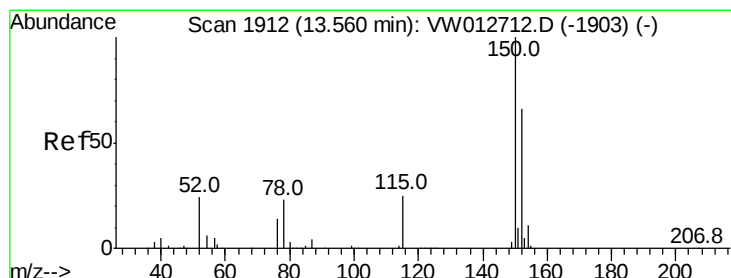
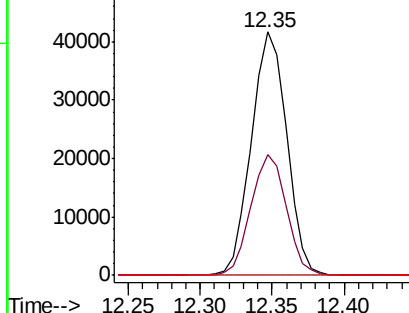
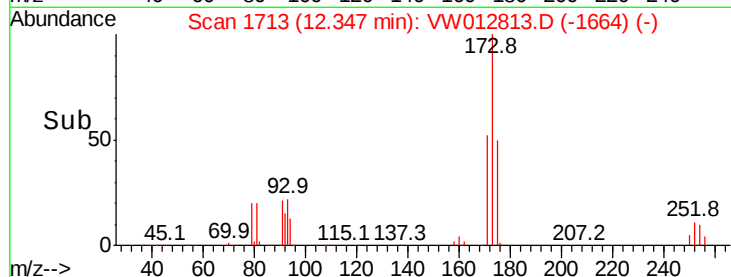
173 100

175 49.9 24.8 74.3

254 0.1 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: VW012813.D

Acq: 09 Sep 2019 11:28

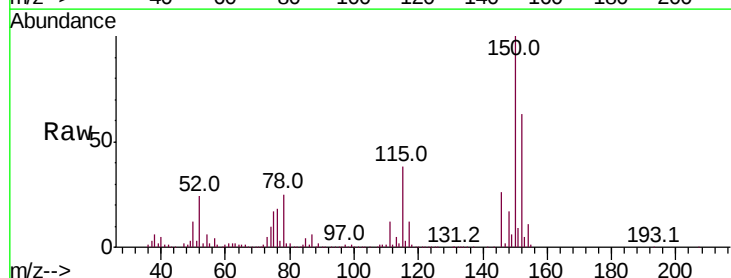
Tgt Ion:152 Resp: 160171

Ion Ratio Lower Upper

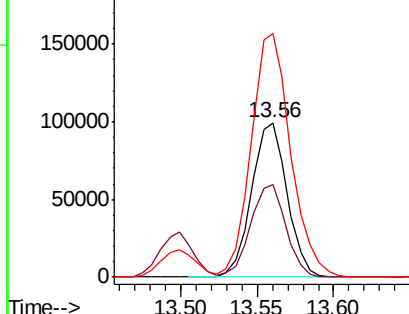
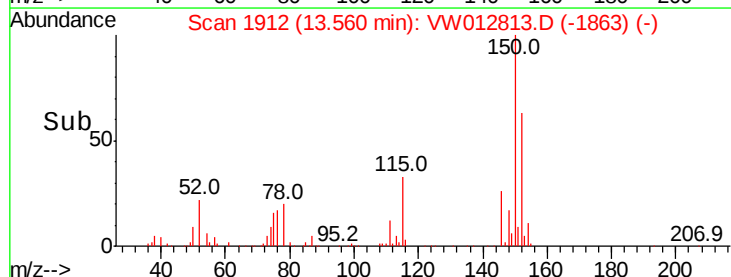
152 100

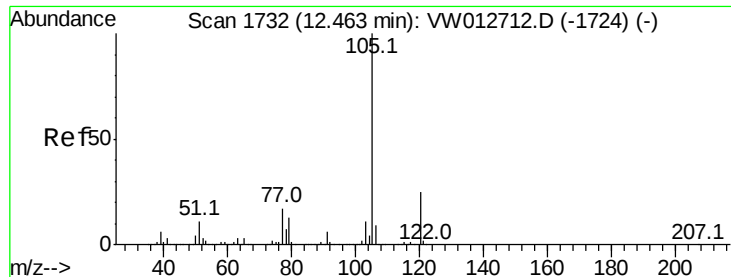
115 59.6 30.0 90.1

150 175.2 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

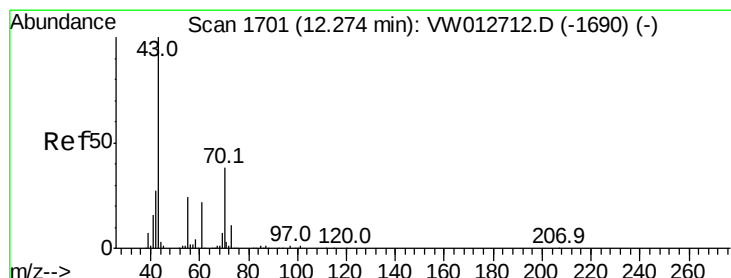
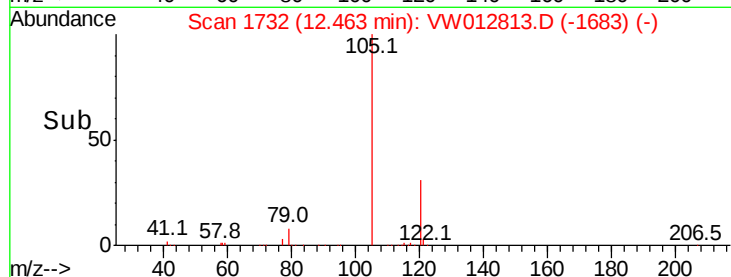
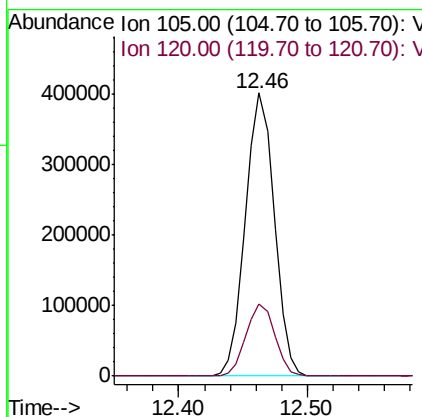
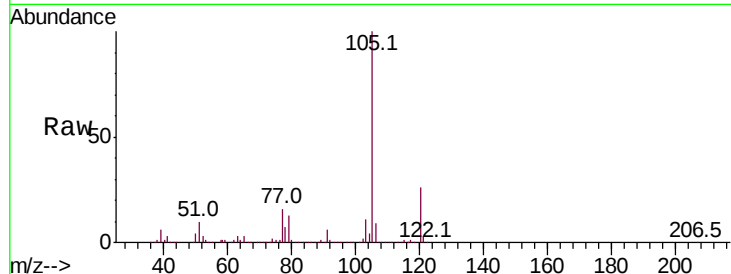




#73
Isopropylbenzene
Concen: 54.233 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

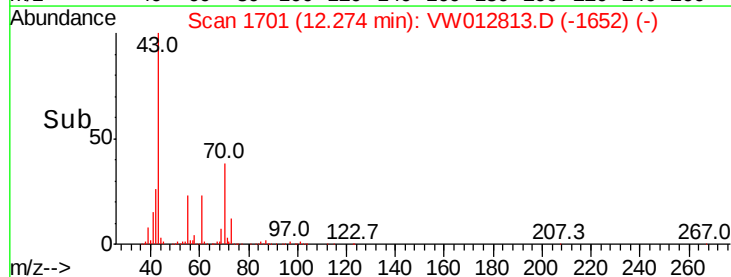
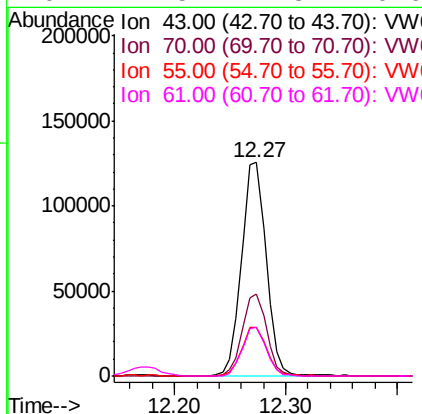
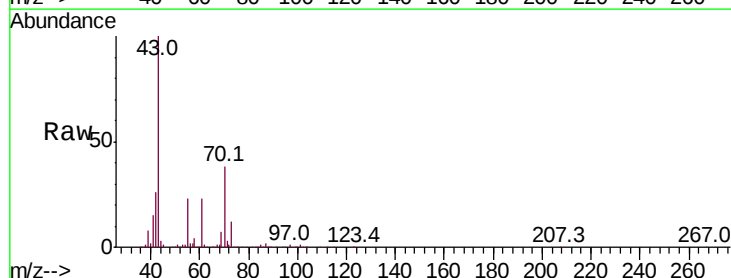
Instrument :
MSVOA_W
ClientSampleId :

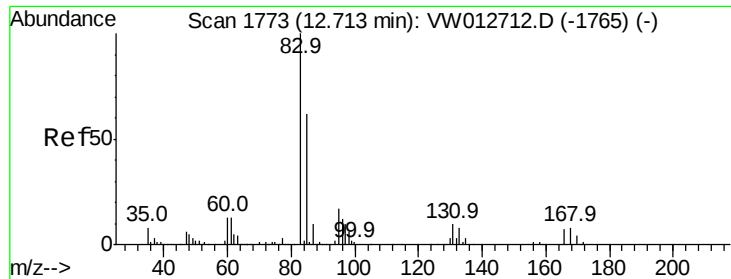
Tot Ion:105 Resp: 623027
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9



#74
N-ethyl acetate
Concen: 52.877 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 43 Resp: 192813
Ion Ratio Lower Upper
43 100
70 38.1 29.4 44.0
55 23.3 18.6 27.8
61 22.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.932 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

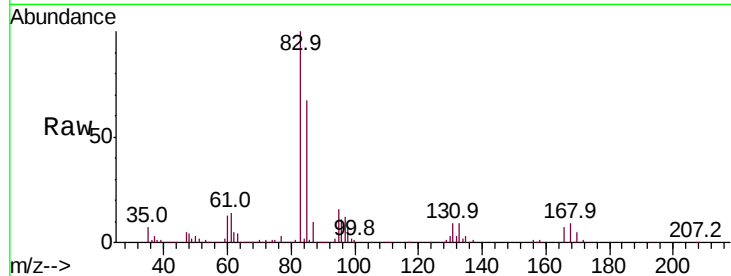
Tot Ion: 83 Resp: 117505

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.1	15.4
85	65.3	31.4	94.2

83 100

131 10.9 5.1 15.4

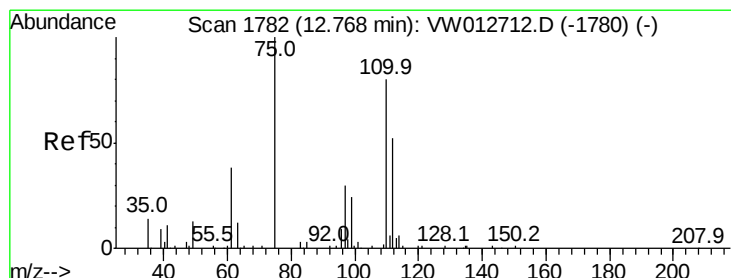
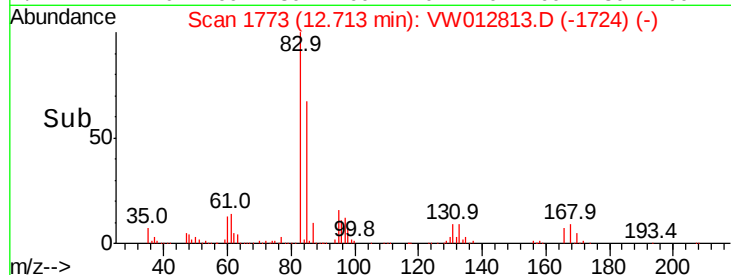
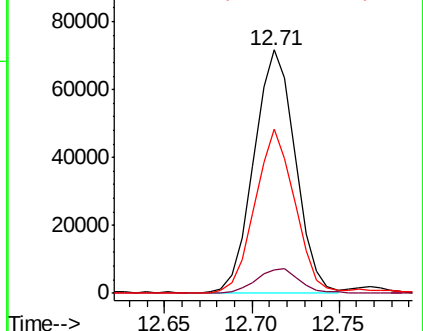
85 65.3 31.4 94.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 96.127 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012813.D

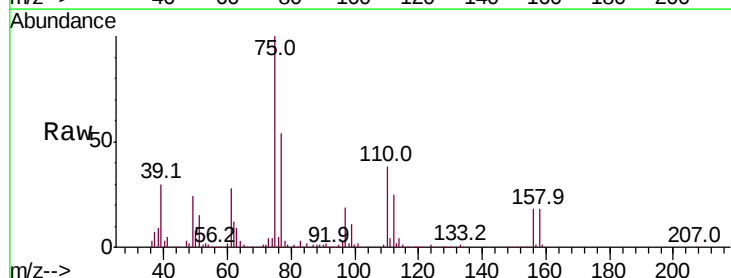
Acq: 09 Sep 2019 11:28

Tgt Ion: 75 Resp: 157439

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

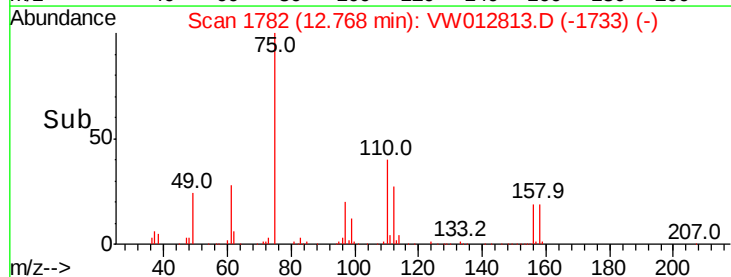
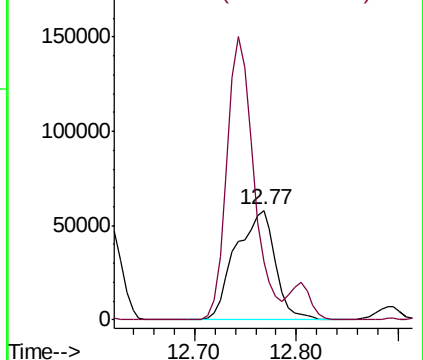
75 100

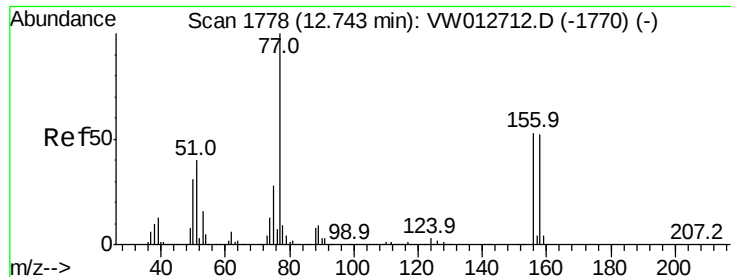
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.718 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampled :

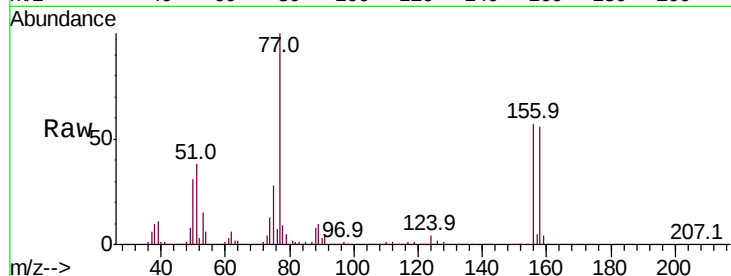
Tot Ion:156 Resp: 142414

Ion Ratio Lower Upper

156 100

77 193.4 102.3 306.9

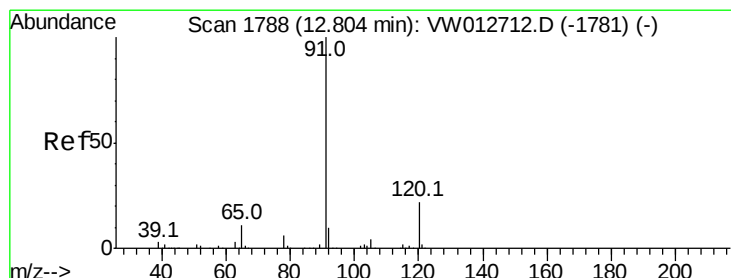
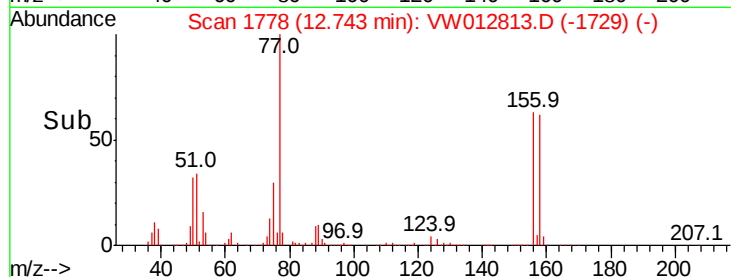
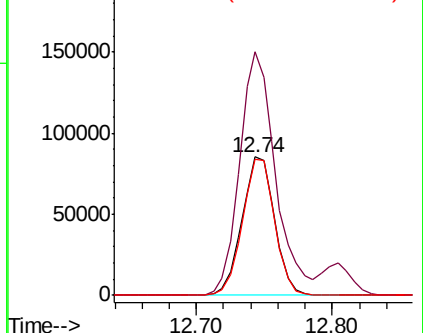
158 97.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.652 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012813.D

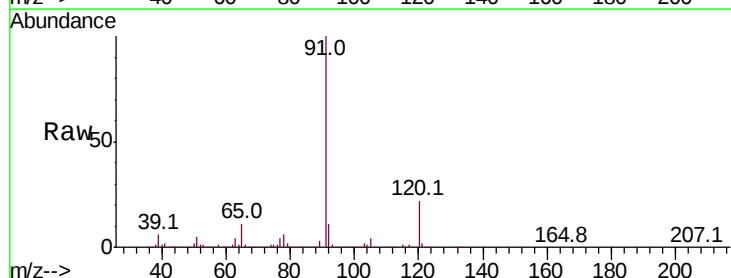
Acq: 09 Sep 2019 11:28

Tgt Ion: 91 Resp: 737151

Ion Ratio Lower Upper

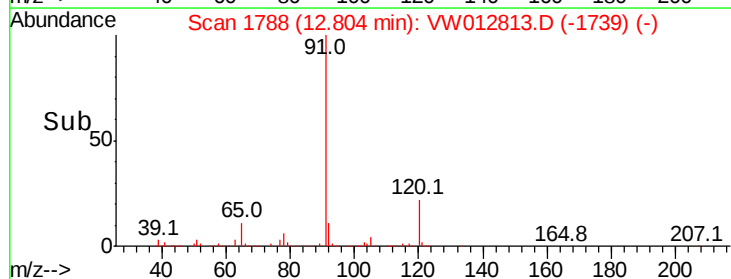
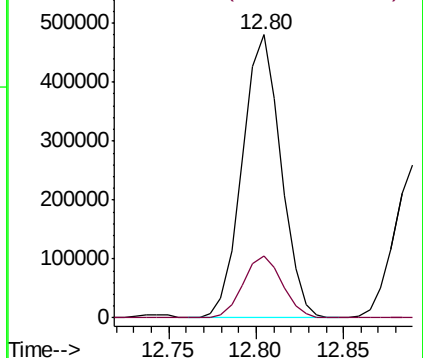
91 100

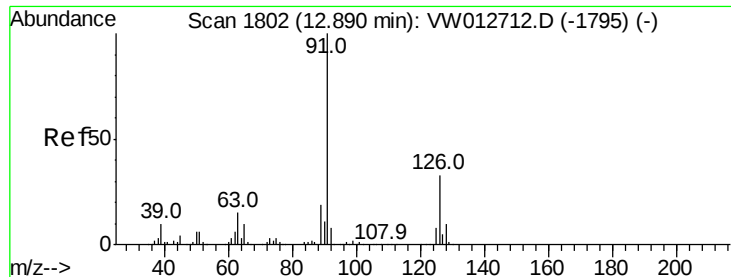
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.307 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

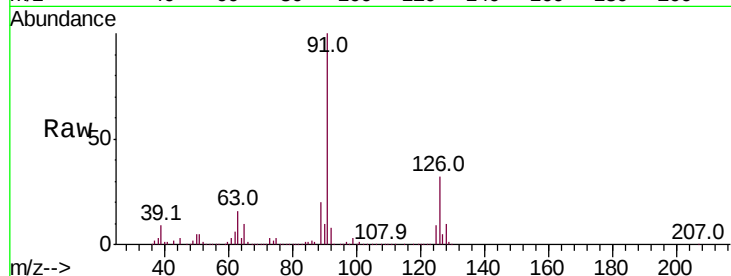
ClientSampled :

Tot Ion: 91 Resp: 420455

Ion Ratio Lower Upper

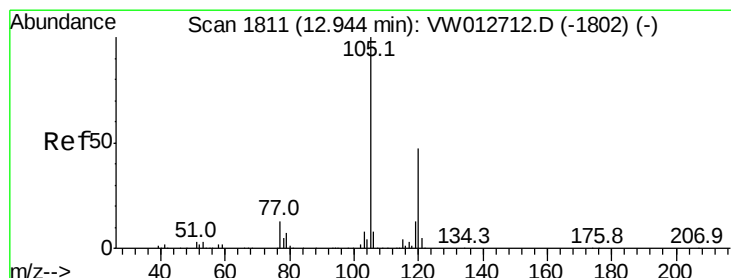
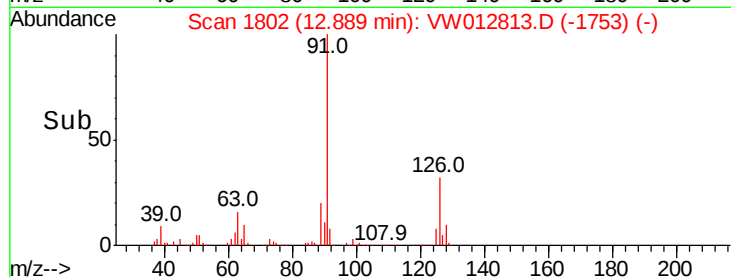
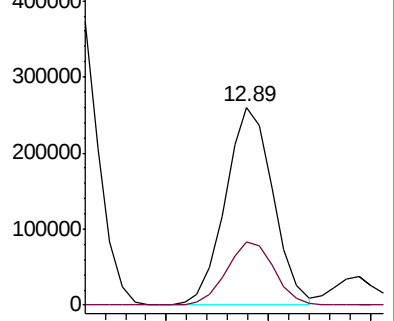
91 100

126 32.4 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.264 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012813.D

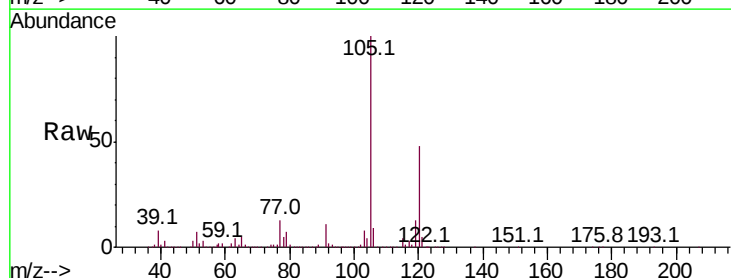
Acq: 09 Sep 2019 11:28

Tgt Ion:105 Resp: 525290

Ion Ratio Lower Upper

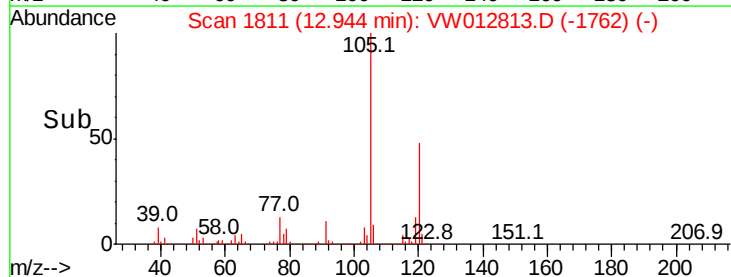
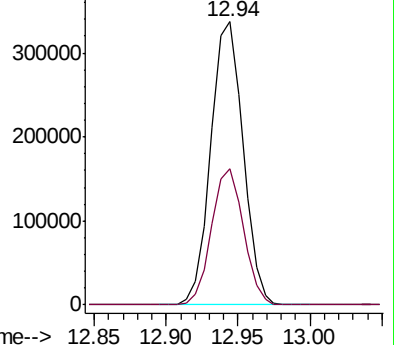
105 100

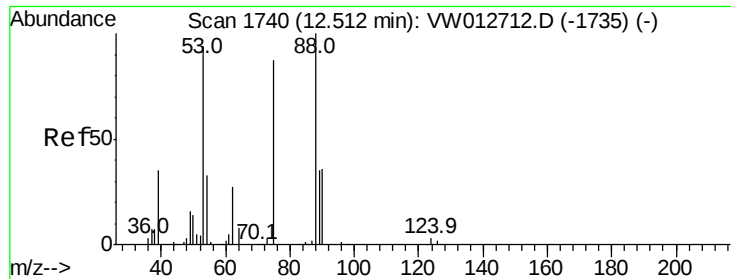
120 47.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

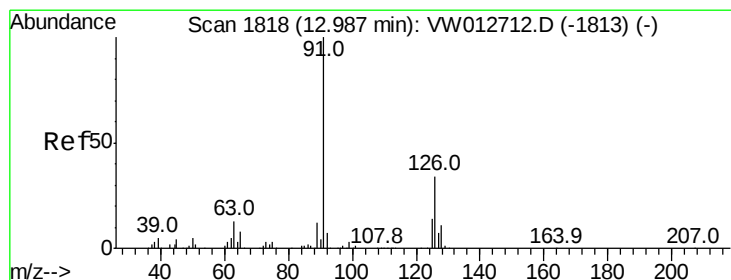
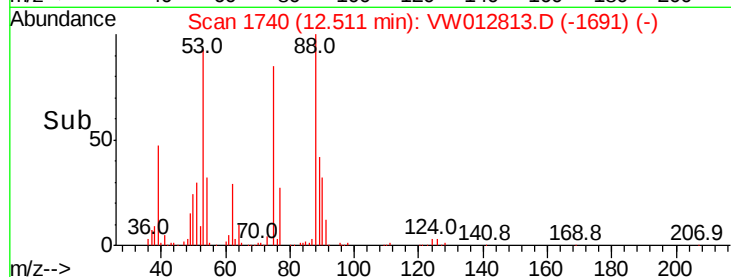
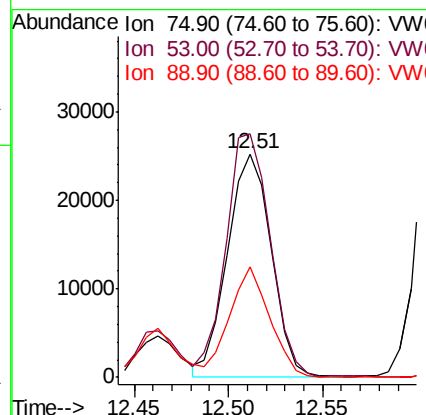
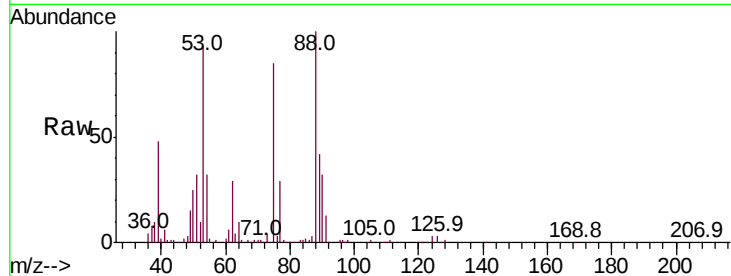




#81
trans-1,4-Dichloro-2-butene
Concen: 52.443 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

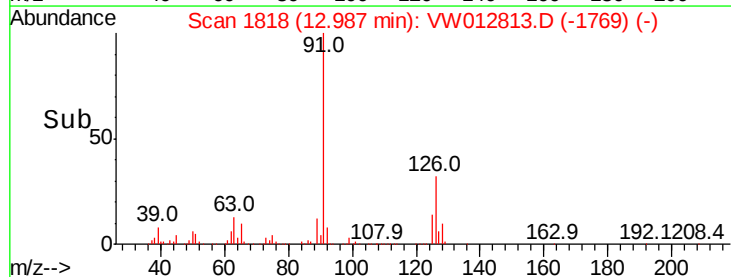
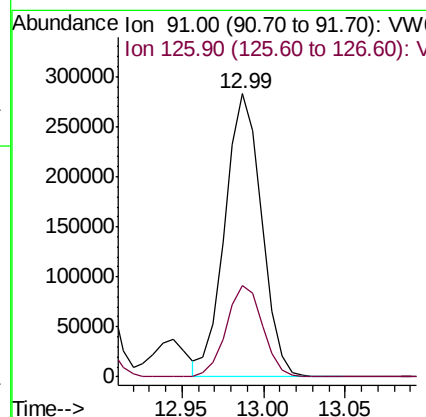
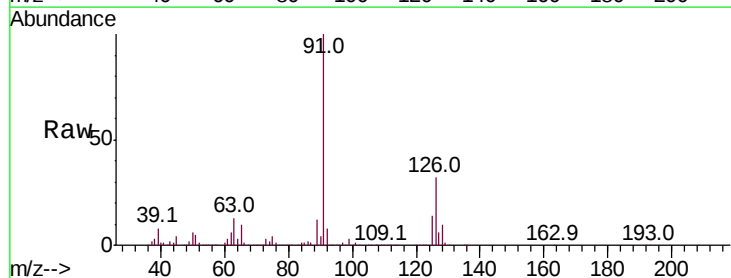
Instrument :
MSVOA_W
ClientSampleId :

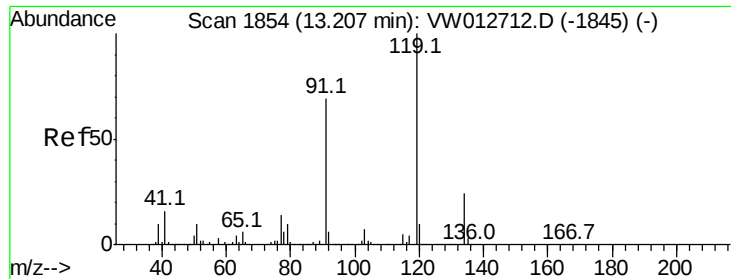
Tot Ion: 75 Resp: 40610
Ion Ratio Lower Upper
75 100
53 109.9 87.6 131.4
89 45.1 35.5 53.3



#82
4-Chlorotoluene
Concen: 52.970 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 91 Resp: 441936
Ion Ratio Lower Upper
91 100
126 32.3 15.9 47.6

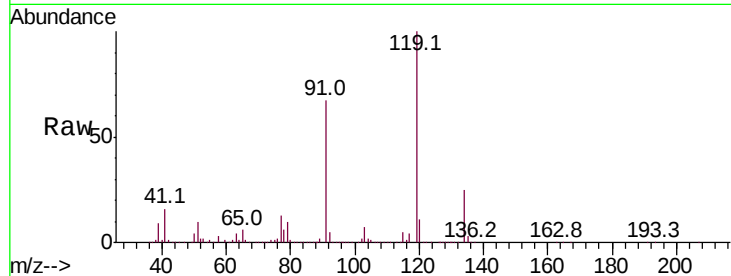




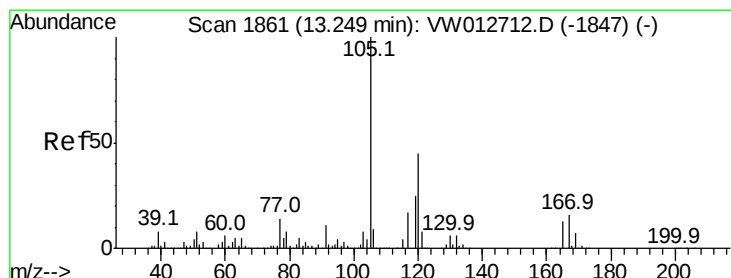
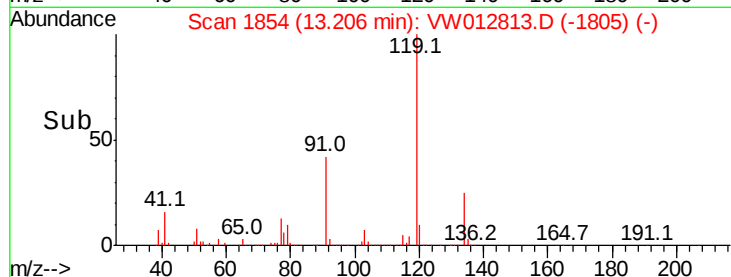
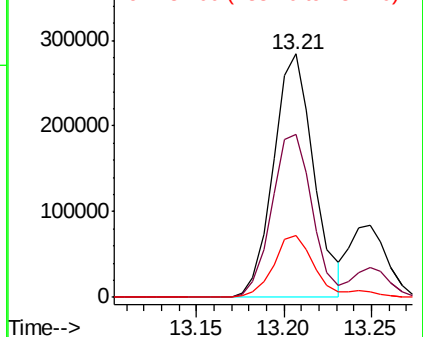
#83
tert-Butylbenzene
Concen: 53.326 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 456433
Ion Ratio Lower Upper
119 100
91 67.0 34.2 102.5
134 27.1 12.3 36.9

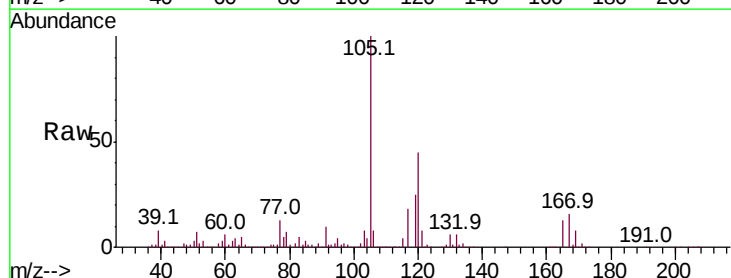


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

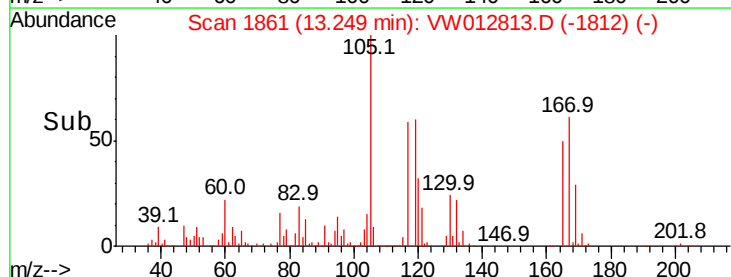
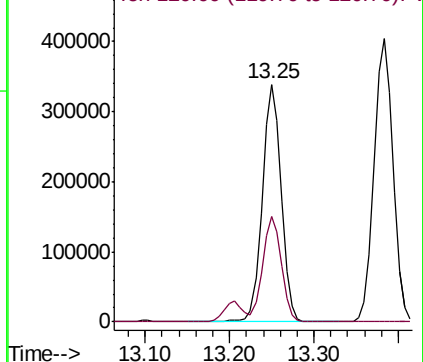


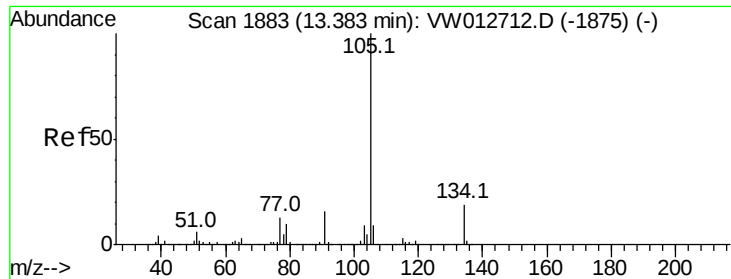
#84
1,2,4-Trimethylbenzene
Concen: 53.593 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion:105 Resp: 522753
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.163 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

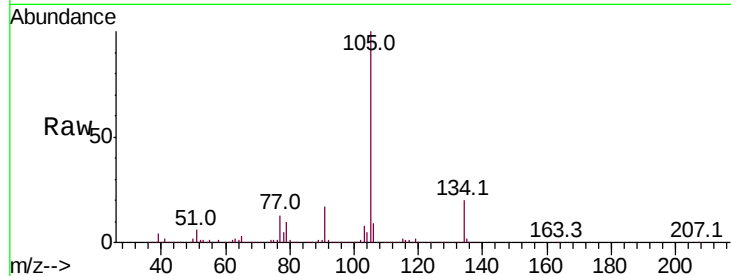
ClientSampleId :

Tot Ion:105 Resp: 631426

Ion Ratio Lower Upper

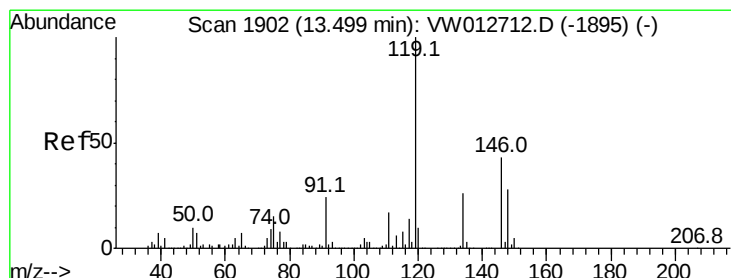
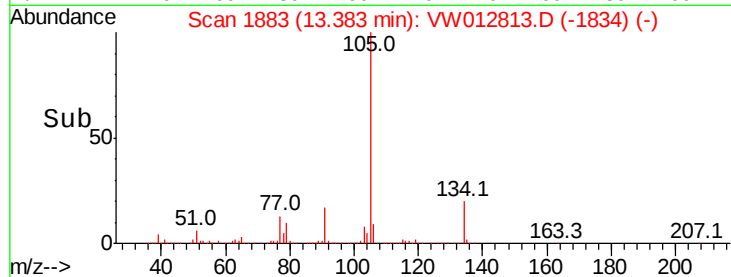
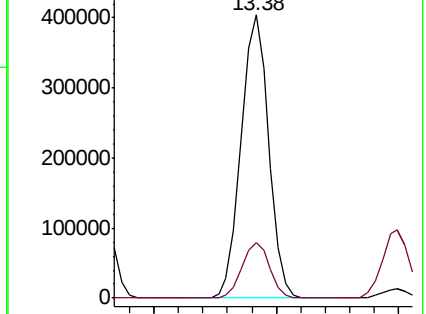
105 100

134 19.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.707 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

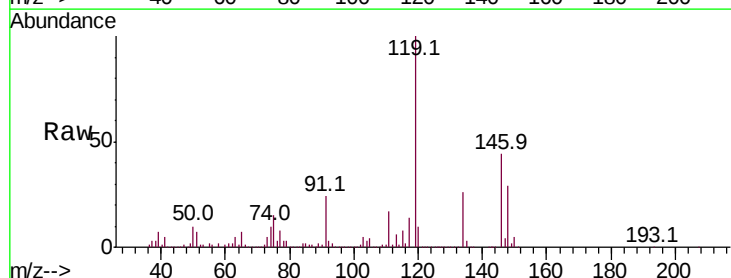
Tgt Ion:119 Resp: 582653

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

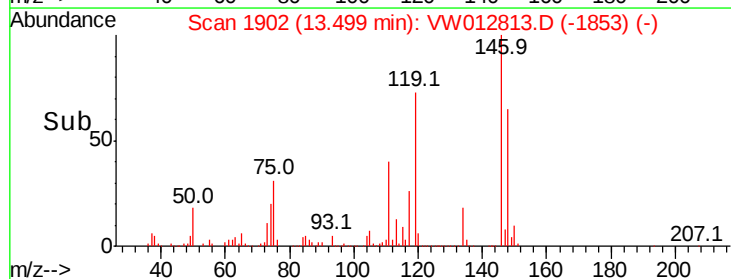
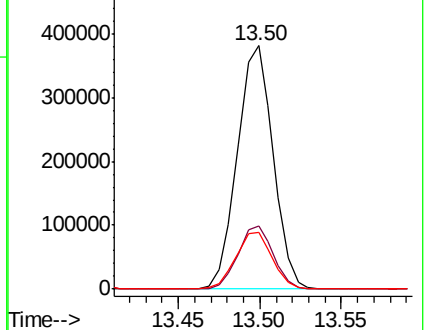
91 23.6 12.2 36.6

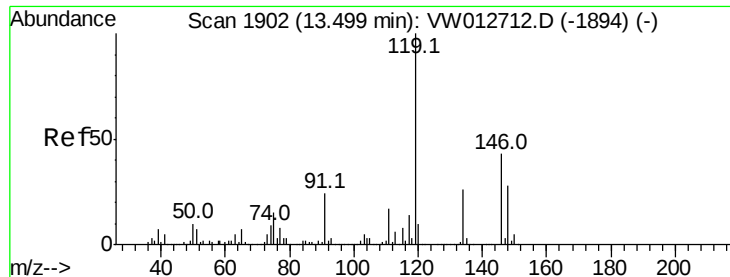


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

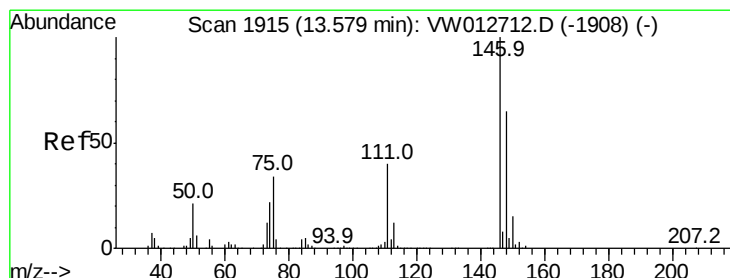
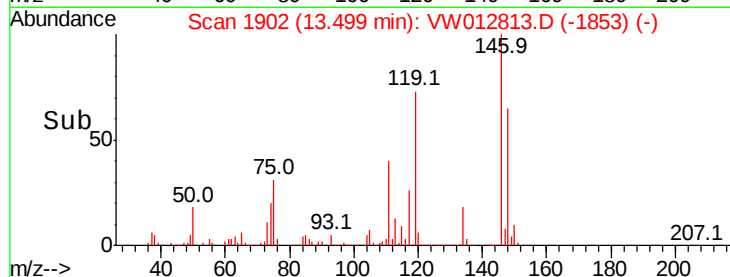
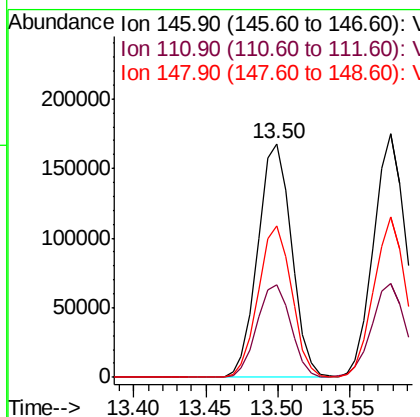
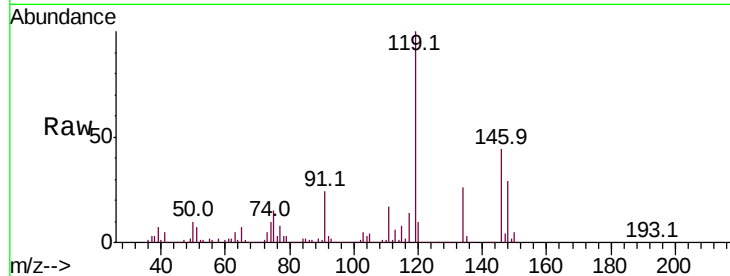




#87
 1,3-Dichlorobenzene
 Concen: 53.221 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

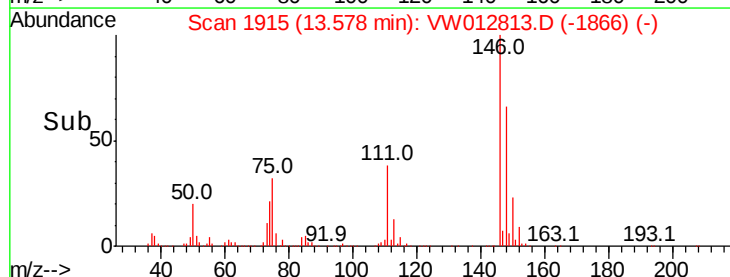
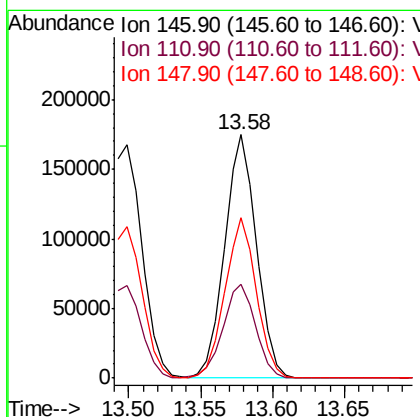
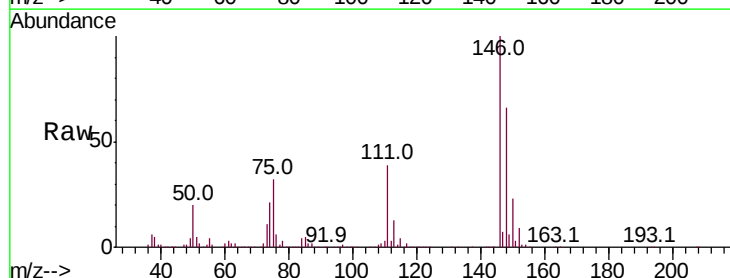
Instrument :
 MSVOA_W
 ClientSampleId :

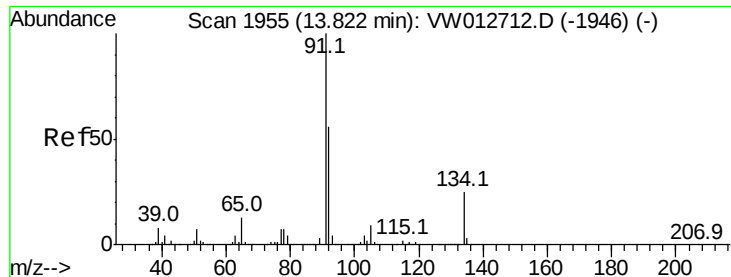
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.4	61.2
148	64.2	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 53.192 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	65.0	32.2	96.6

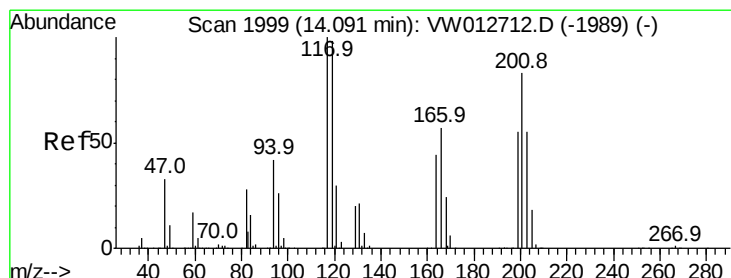
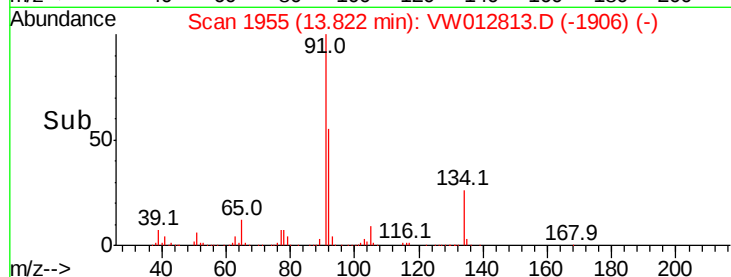
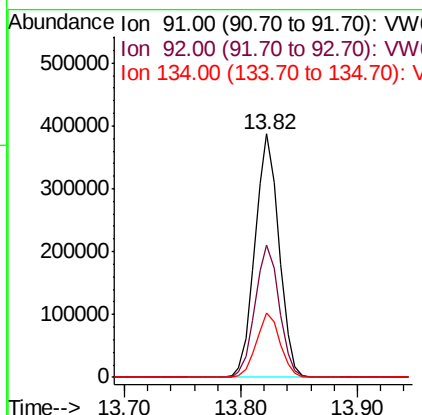
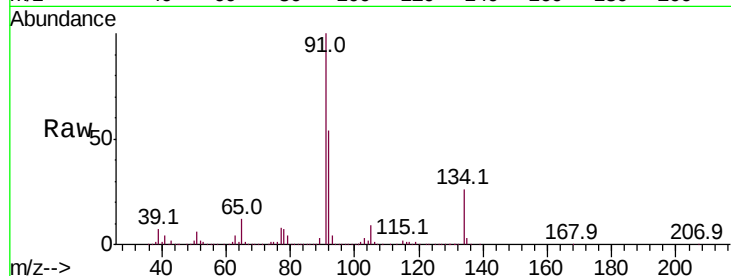




#89
n-Butylbenzene
Concen: 52.923 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

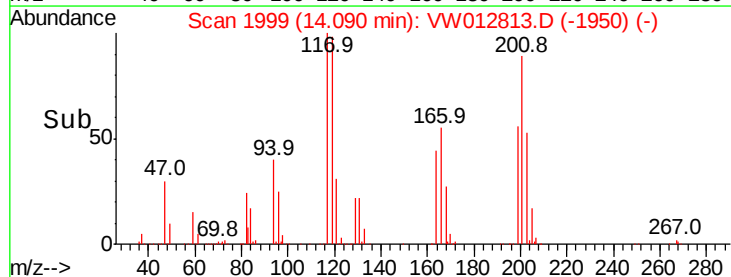
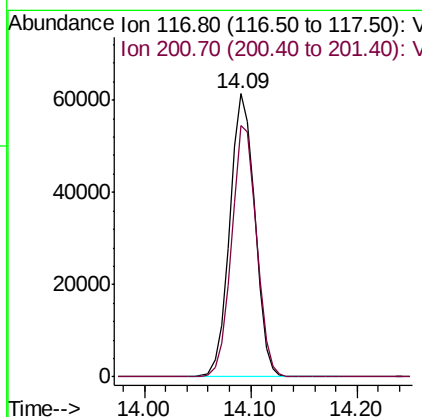
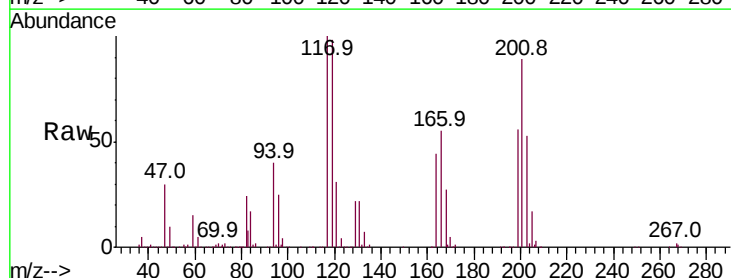
Instrument :
MSVOA_W
ClientSampled :

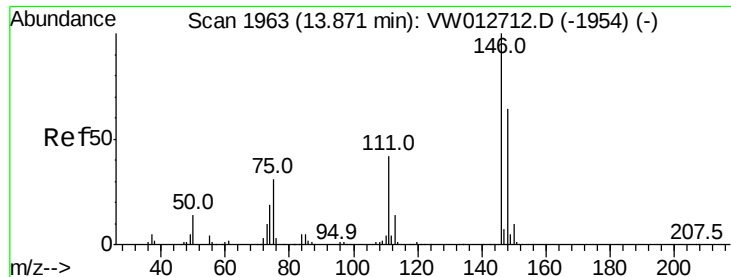
Tot Ion: 91 Resp: 557400
Ion Ratio Lower Upper
91 100
92 55.0 27.2 81.5
134 26.3 12.7 38.1



#90
Hexachloroethane
Concen: 53.855 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 117 Resp: 101997
Ion Ratio Lower Upper
117 100
201 87.9 42.8 128.4





#91

1,2-Dichlorobenzene

Concen: 53.484 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

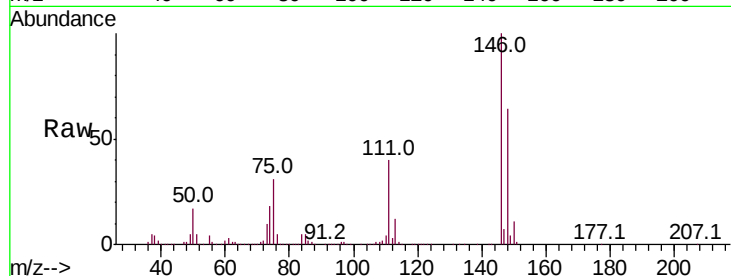
Tot Ion:146 Resp: 246264

Ion Ratio Lower Upper

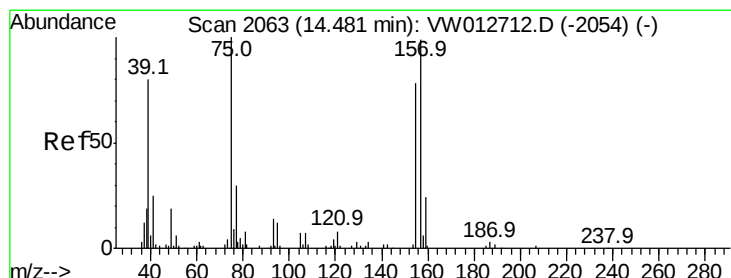
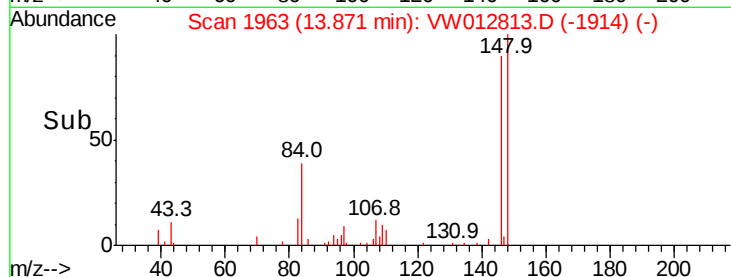
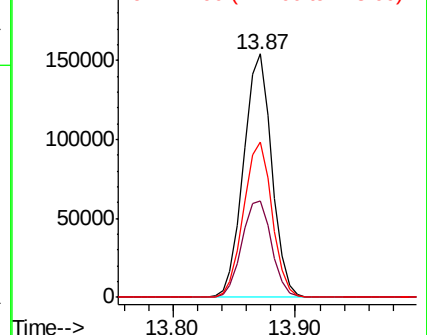
146 100

111 41.5 21.3 63.9

148 64.3 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.192 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

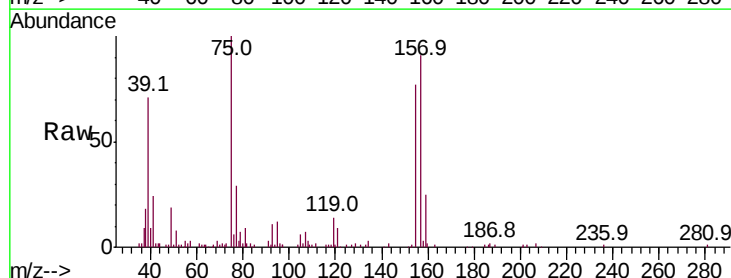
Tgt Ion: 75 Resp: 22036

Ion Ratio Lower Upper

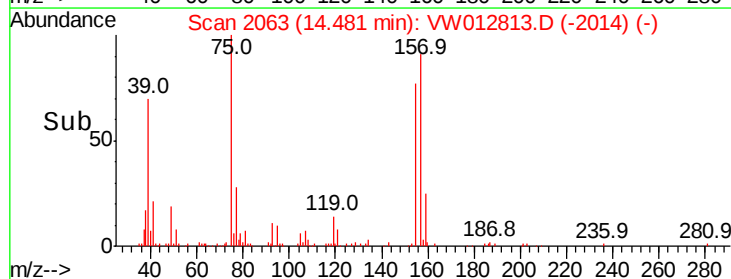
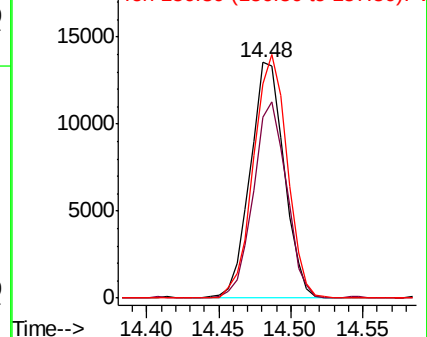
75 100

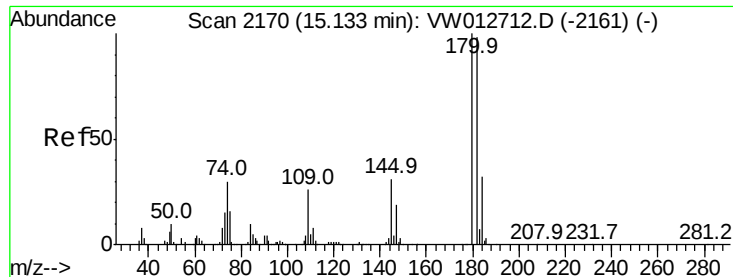
155 81.6 40.6 122.0

157 102.3 52.5 157.5



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

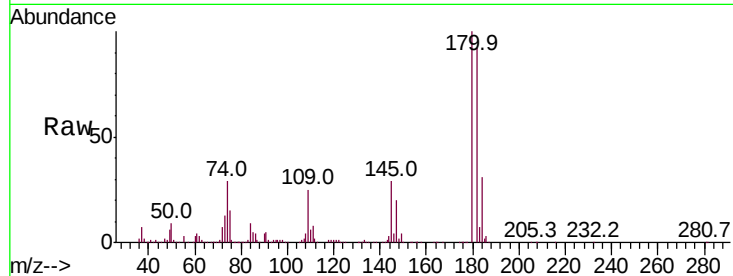




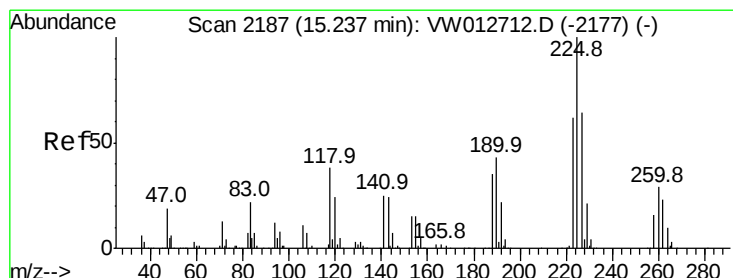
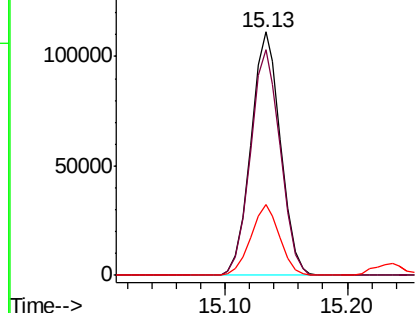
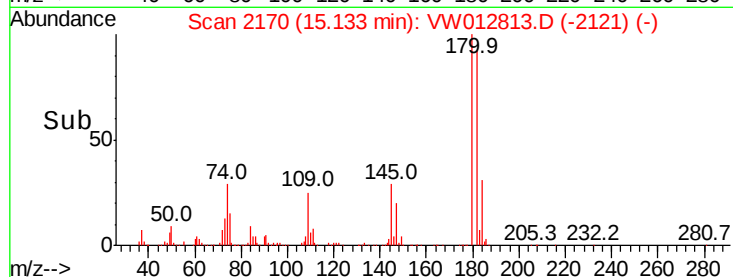
#93
 1,2,4-Trichlorobenzene
 Concen: 58.152 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.7	146.1
145	28.6	15.0	45.1

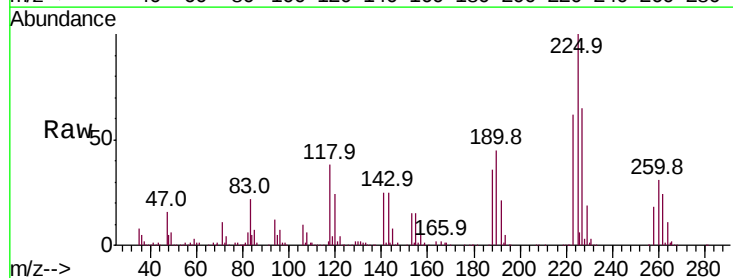


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

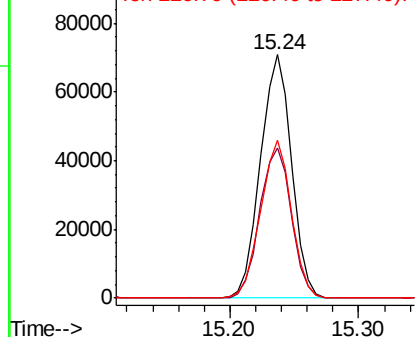
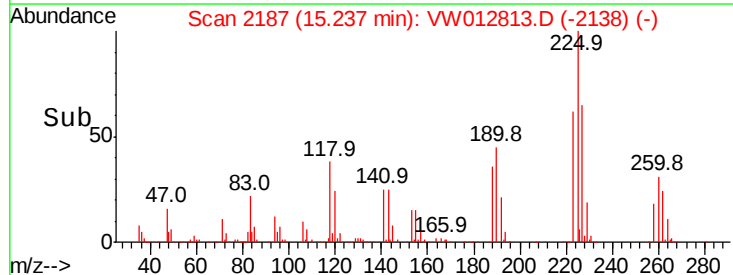


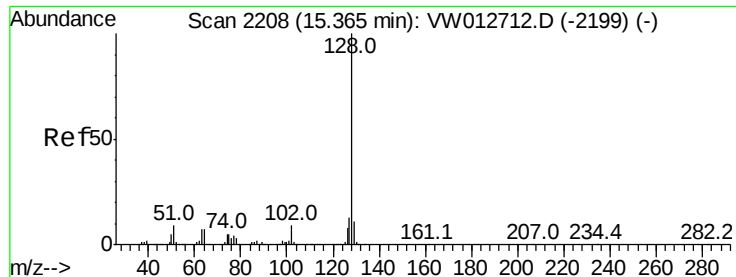
#94
 Hexachlorobutadiene
 Concen: 53.364 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.1	93.3
227	64.1	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: 51.603 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

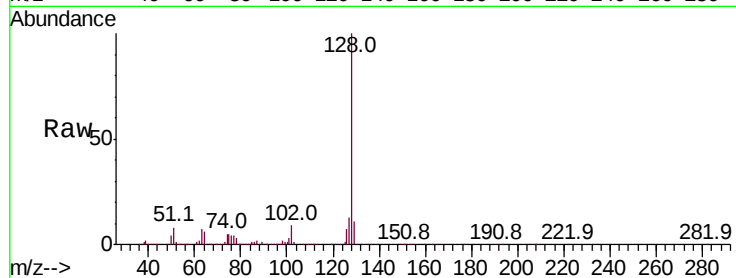
Instrument :

MSVOA_W

ClientSampled :

Tot Ion:128 Resp: 347817

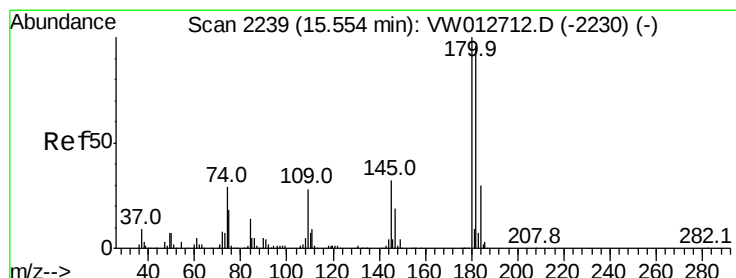
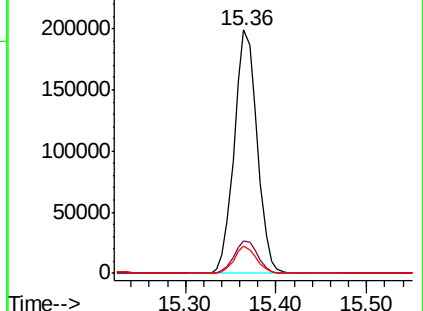
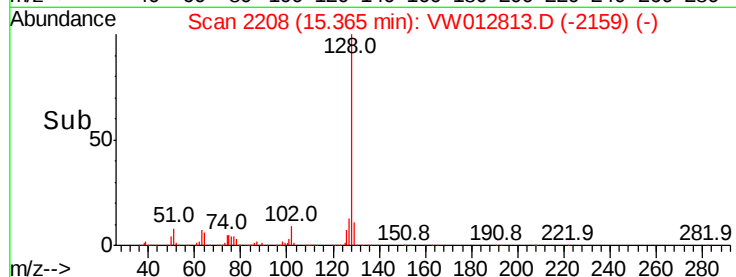
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	11.0	8.7	13.1



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: 58.395 ug/l

RT: 15.55 min Scan# 2239

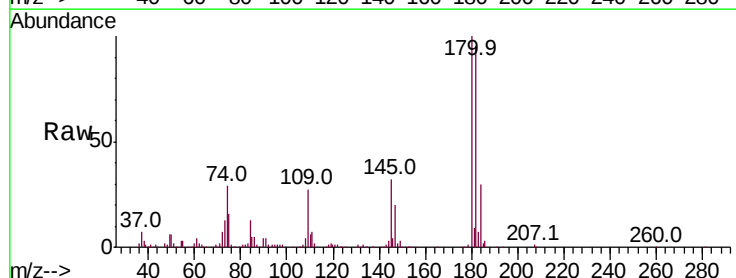
Delta R.T. -0.00 min

Lab File: VW012813.D

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Tgt Ion:180 Resp: 165241

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.8	143.3
145	31.0	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

