

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013664.D
 Acq On : 23 Oct 2019 12:42
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 13:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	352578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138385	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	7.88	113	147887	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.32	98	609563	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.62	95	203687	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	78658	63.563	ug/l 100
3) Chloromethane	2.21	50	86266	42.824	ug/l 100
4) Vinyl Chloride	2.37	62	143130	47.622	ug/l 100
5) Bromomethane	2.78	94	92703	51.016	ug/l 100
6) Chloroethane	2.92	64	88673	51.682	ug/l 100
7) Trichlorofluoromethane	3.26	101	90887	61.564	ug/l 100
8) Diethyl Ether	3.68	74	74054	49.639	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	149740	50.523	ug/l 100
10) Methyl Iodide	4.28	142	246802	52.240	ug/l 100
11) Tert butyl alcohol	5.20	59	35676	161.192	ug/l 100
12) 1,1-Dichloroethene	4.04	96	155608	50.567	ug/l 100
13) Acrolein	3.90	56	44945	212.349	ug/l 100
14) Allyl chloride	4.67	41	240319	50.791	ug/l 100
15) Acrylonitrile	5.37	53	146747	214.916	ug/l 100
16) Acetone	4.14	43	145308	232.125	ug/l 100
17) Carbon Disulfide	4.39	76	450929	52.020	ug/l 100
18) Methyl Acetate	4.67	43	69861	39.135	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	187063	41.580	ug/l 100
20) Methylene Chloride	4.92	84	155526	44.411	ug/l 100
21) trans-1,2-Dichloroethene	5.42	96	169165	51.576	ug/l 100
22) Diisopropyl ether	6.31	45	443262	50.127	ug/l 100
23) Vinyl Acetate	6.25	43	1286293	243.567	ug/l 100
24) 1,1-Dichloroethane	6.21	63	278527	51.191	ug/l 100
25) 2-Butanone	7.17	43	196014	213.416	ug/l 100
26) 2,2-Dichloropropane	7.17	77	153516	44.764	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	179491	51.641	ug/l 100
28) Bromochloromethane	7.51	49	107966	55.593	ug/l 100
29) Tetrahydrofuran	7.53	42	120204	214.383	ug/l 100
30) Chloroform	7.68	83	269460	51.261	ug/l 100
31) Cyclohexane	7.96	56	278017	48.480	ug/l 100
32) 1,1,1-Trichloroethane	7.87	97	214251	50.383	ug/l 100
36) 1,1-Dichloropropene	8.08	75	229645	50.983	ug/l 100
37) Ethyl Acetate	7.25	43	82440	41.383	ug/l 100
38) Carbon Tetrachloride	8.07	117	206142	51.733	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	303012	51.891	ug/l	100
40) Benzene	8.32	78	649436	51.536	ug/l	100
41) Methacrylonitrile	7.48	41	49844	43.745	ug/l	100
42) 1,2-Dichloroethane	8.40	62	163229	51.221	ug/l	100
43) Isopropyl Acetate	8.42	43	164954	45.413	ug/l	100
44) Trichloroethene	9.09	130	187057	52.019	ug/l	100
45) 1,2-Dichloropropane	9.37	63	156195	51.584	ug/l	100
46) Dibromomethane	9.46	93	74904	49.817	ug/l	100
47) Bromodichloromethane	9.64	83	197318	52.529	ug/l	100
48) Methyl methacrylate	9.43	41	84332	46.859	ug/l	100
49) 1,4-Dioxane	9.47	88	20828	813.941	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	404865	213.530	ug/l	100
52) Toluene	10.38	92	424096	52.223	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	201415	51.744	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	247979	52.425	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109558	48.685	ug/l	100
56) Ethyl methacrylate	10.65	69	142521	47.624	ug/l	100
57) 1,3-Dichloropropane	10.93	76	192150	49.659	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	338327	240.431	ug/l	100
59) 2-Hexanone	10.96	43	292435	225.457	ug/l	100
60) Dibromochloromethane	11.13	129	133598	51.583	ug/l	100
61) 1,2-Dibromoethane	11.23	107	104427	48.755	ug/l	100
64) Tetrachloroethene	10.86	164	159917	51.109	ug/l	100
65) Chlorobenzene	11.66	112	432793	51.295	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	152438	51.886	ug/l	100
67) Ethyl Benzene	11.73	91	791984	51.305	ug/l	100
68) m/p-Xylenes	11.84	106	608863	103.684	ug/l	100
69) o-Xylene	12.16	106	280465	51.599	ug/l	100
70) Styrene	12.18	104	491295	52.673	ug/l	100
71) Bromoform	12.35	173	78833	49.328	ug/l #	100
73) Isopropylbenzene	12.46	105	780849	50.311	ug/l	100
74) N-amyl acetate	12.27	43	149091	44.738	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	117481	44.945	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	152286	85.720	ug/l #	100
77) Bromobenzene	12.74	156	184800	50.072	ug/l	100
78) n-propylbenzene	12.80	91	906649	50.496	ug/l	100
79) 2-Chlorotoluene	12.89	91	506373	50.248	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	666918	51.466	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40020	45.906	ug/l	100
82) 4-Chlorotoluene	12.99	91	535692	51.096	ug/l	100
83) tert-Butylbenzene	13.21	119	588392	51.134	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	658136	51.352	ug/l	100
85) sec-Butylbenzene	13.38	105	801550	50.605	ug/l	100
86) p-Isopropyltoluene	13.50	119	749417	51.367	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	360240	51.345	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	351860	51.172	ug/l	100
89) n-Butylbenzene	13.82	91	684996	51.996	ug/l	100
90) Hexachloroethane	14.09	117	131254	52.228	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	308642	49.981	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17530	42.332	ug/l	100

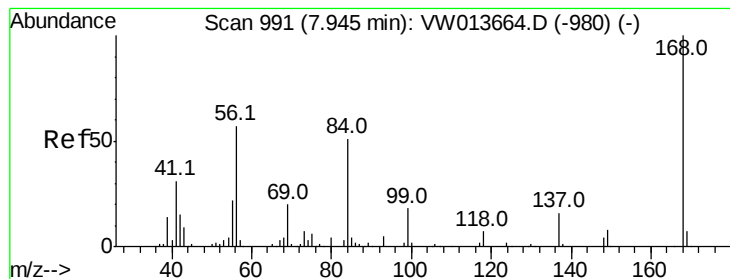
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	229897	52.408	ug/l	100
94) Hexachlorobutadiene	15.23	225	150519	51.653	ug/l	100
95) Naphthalene	15.36	128	368335	49.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	197742	51.522	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

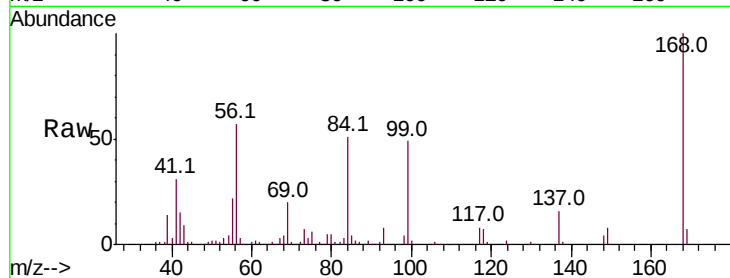
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 352578

Ion Ratio Lower Upper

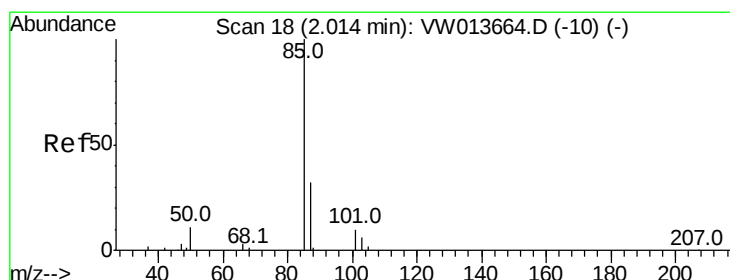
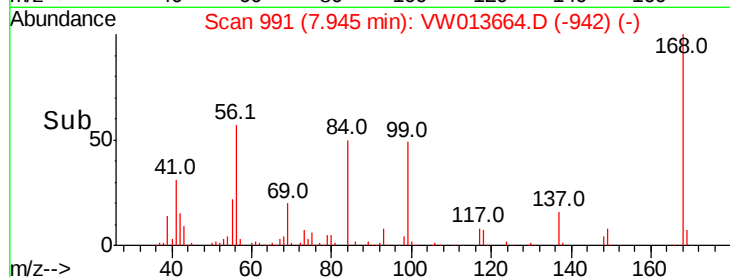
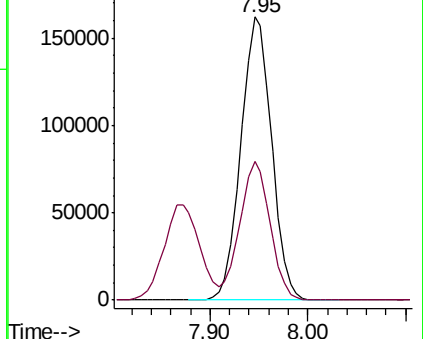
168 100

99 48.8 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 63.563 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013664.D

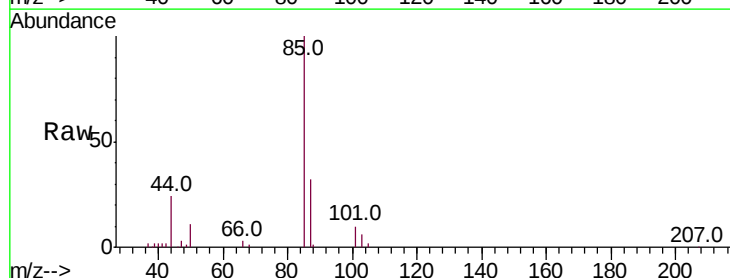
Acq: 23 Oct 2019 12:42

Tgt Ion: 85 Resp: 78658

Ion Ratio Lower Upper

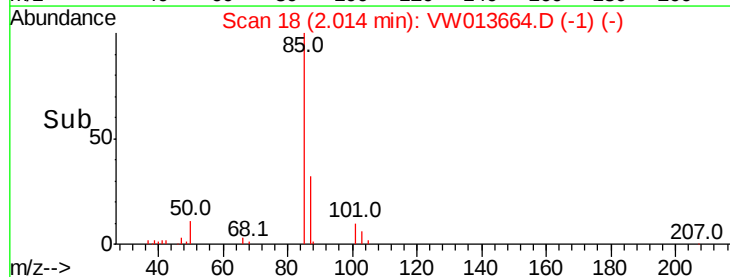
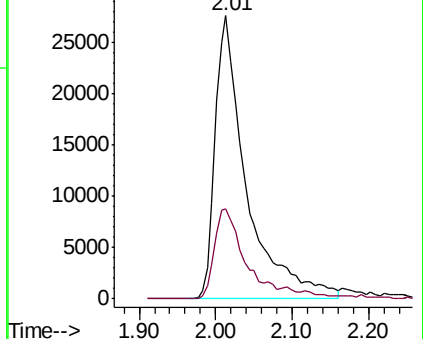
85 100

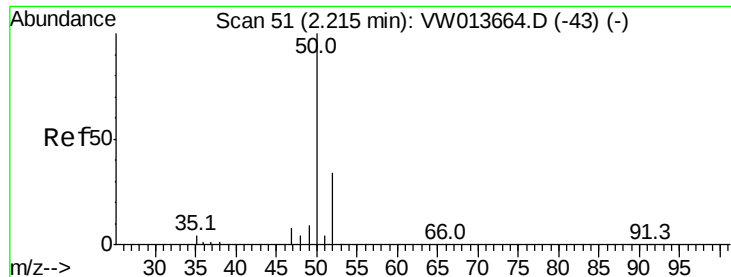
87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 42.824 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

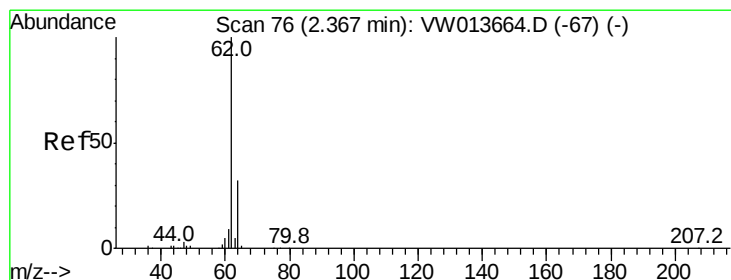
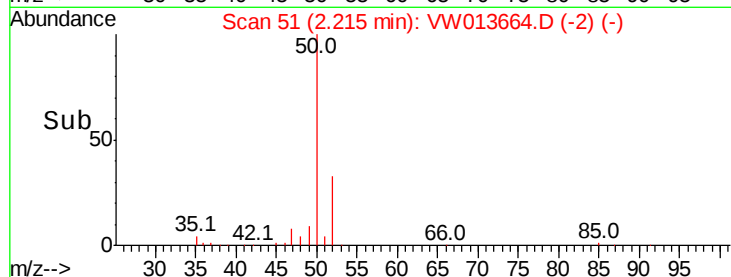
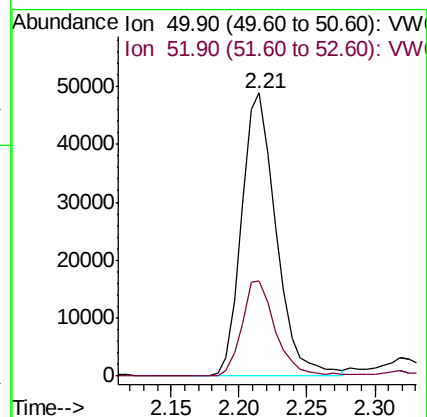
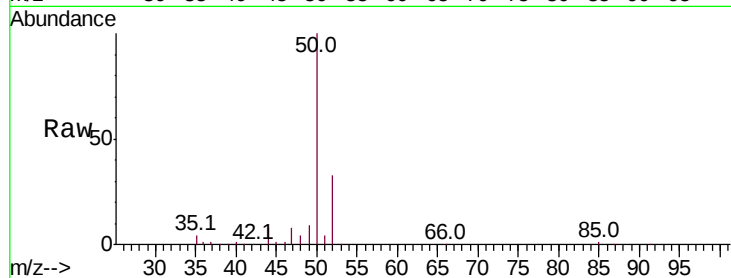
ClientSampled :

Tot Ion: 50 Resp: 86266

Ion Ratio Lower Upper

50 100

52 33.6 26.9 40.3



#4

Vinyl Chloride

Concen: 47.622 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013664.D

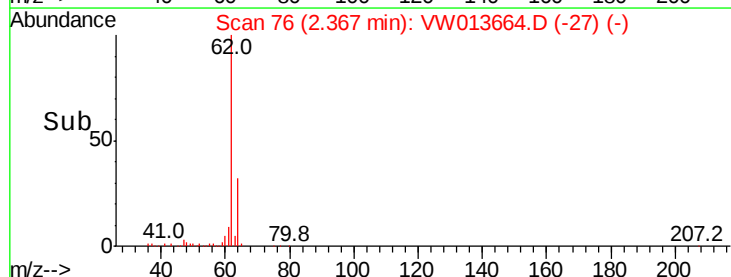
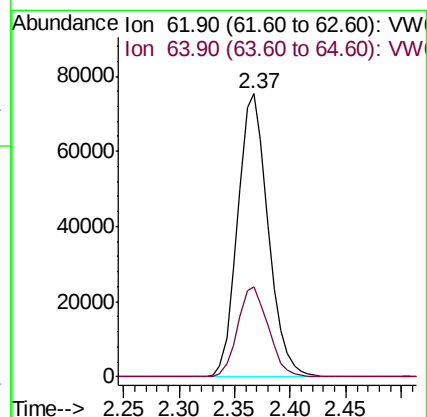
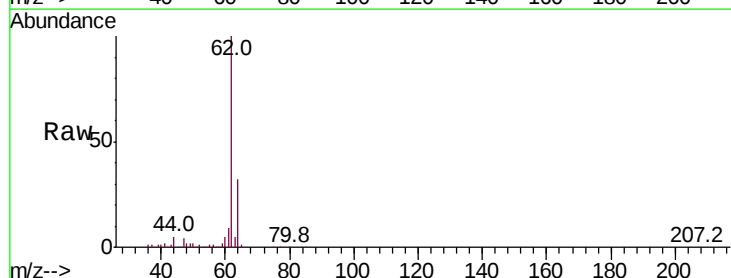
Acq: 23 Oct 2019 12:42

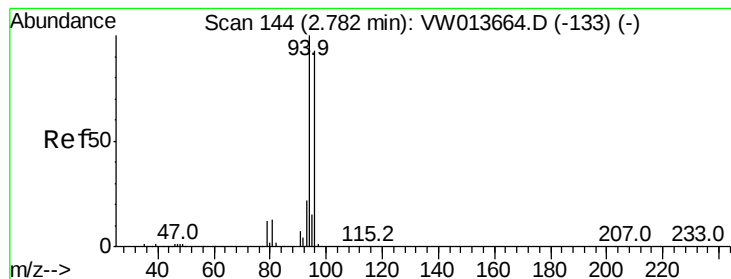
Tgt Ion: 62 Resp: 143130

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 51.016 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

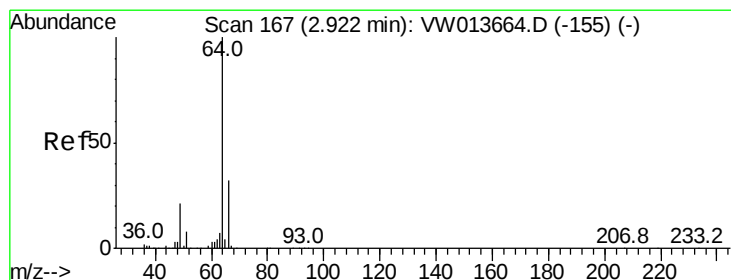
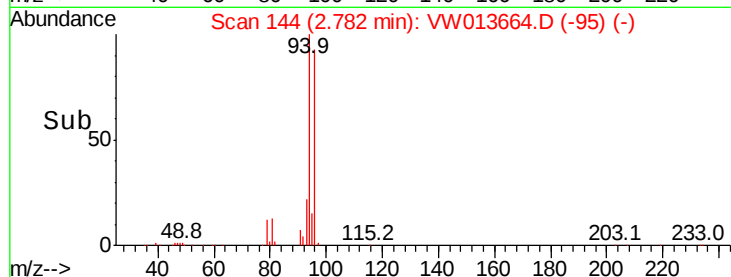
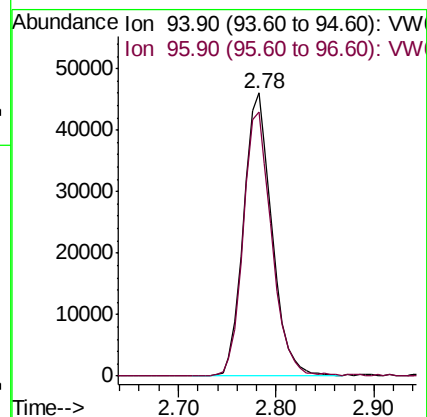
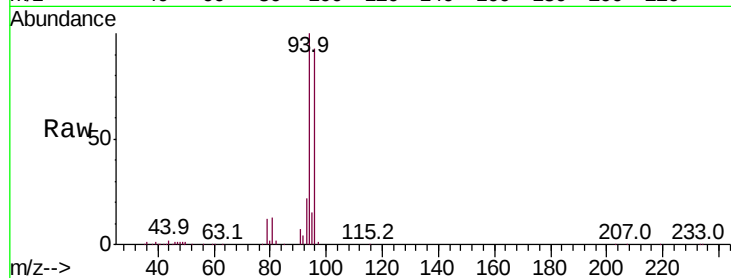
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 92703

Ion Ratio Lower Upper

94 100

96 93.3 74.6 112.0



#6

Chloroethane

Concen: 51.682 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013664.D

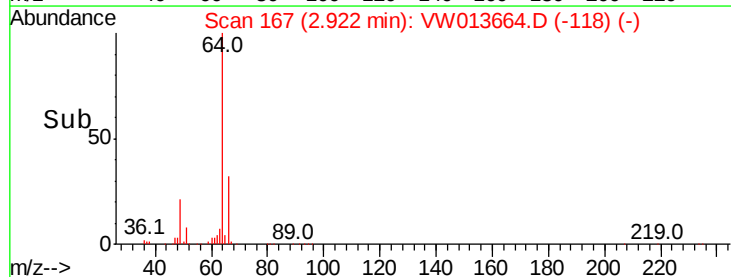
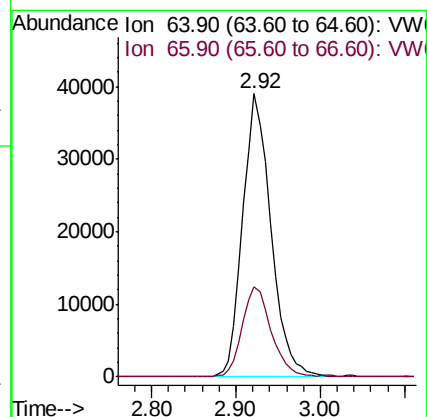
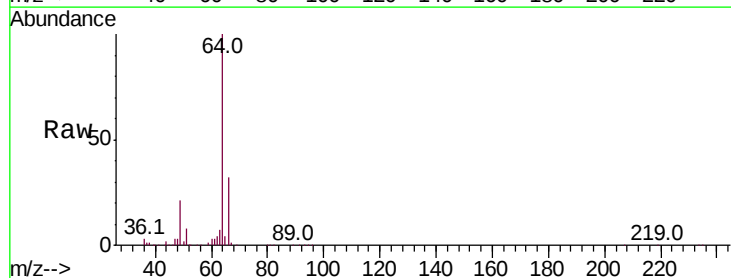
Acq: 23 Oct 2019 12:42

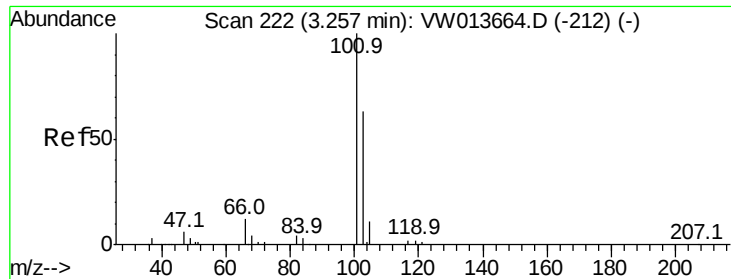
Tgt Ion: 64 Resp: 88673

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



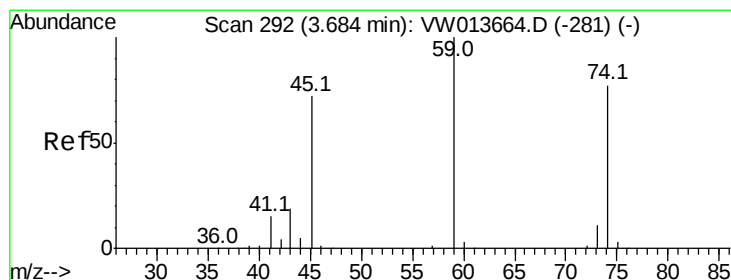
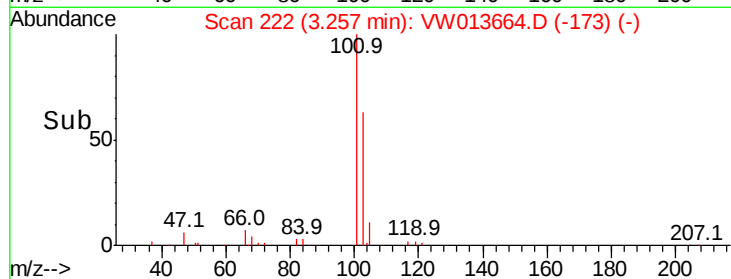
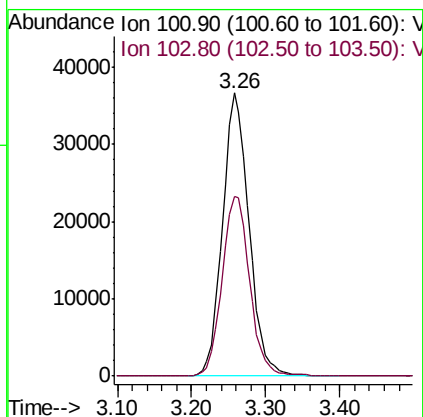
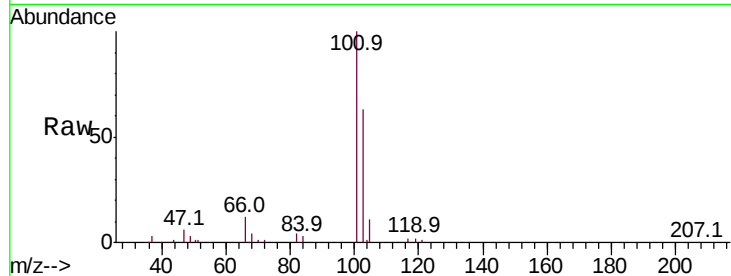


#7

Trichlorofluoromethane
Concen: 61.564 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

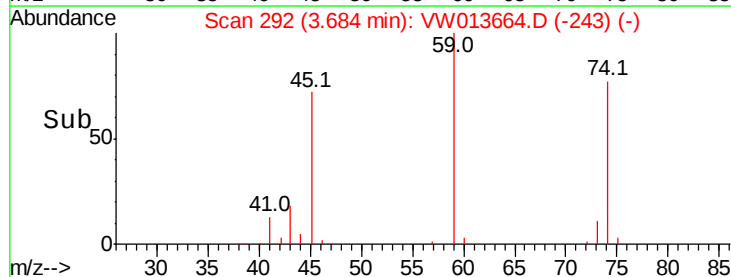
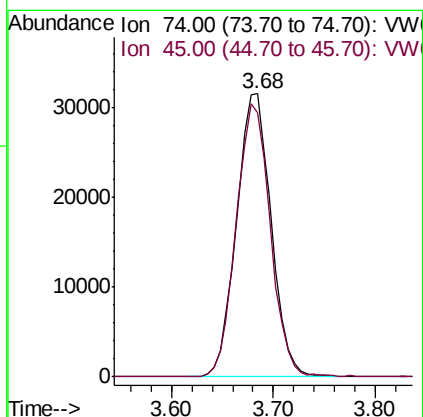
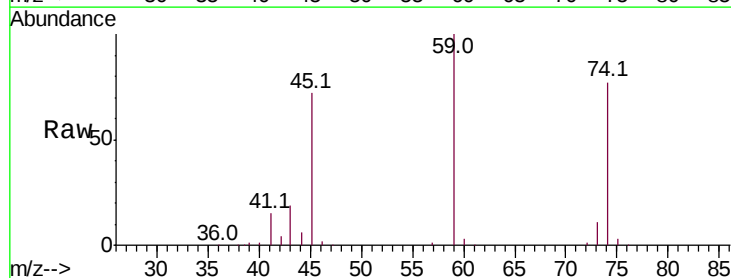
Tot Ion:101 Resp: 90887
Ion Ratio Lower Upper
101 100
103 63.3 50.6 76.0

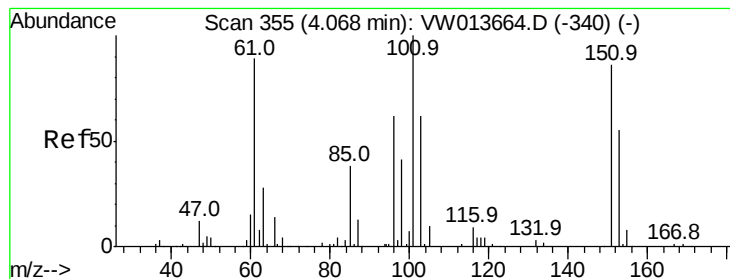


#8

Diethyl Ether
Concen: 49.639 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 74 Resp: 74054
Ion Ratio Lower Upper
74 100
45 95.7 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.523 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

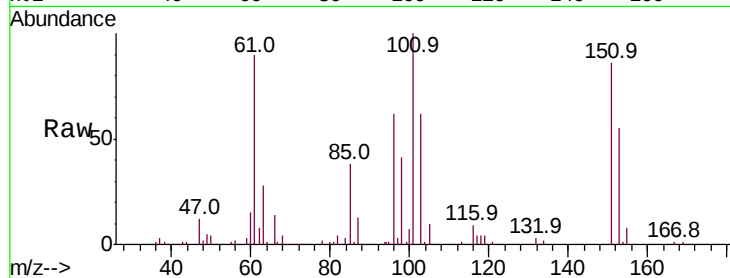
Tot Ion:101 Resp: 149740

Ion Ratio Lower Upper

101 100

85 38.8 31.0 46.6

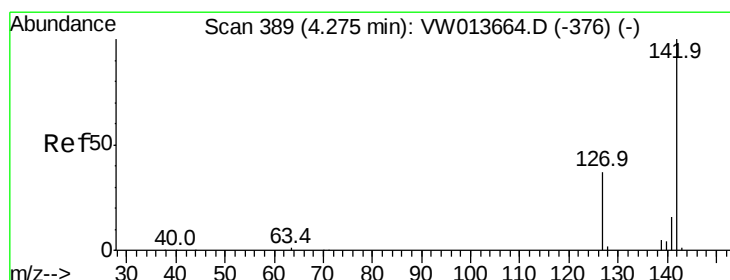
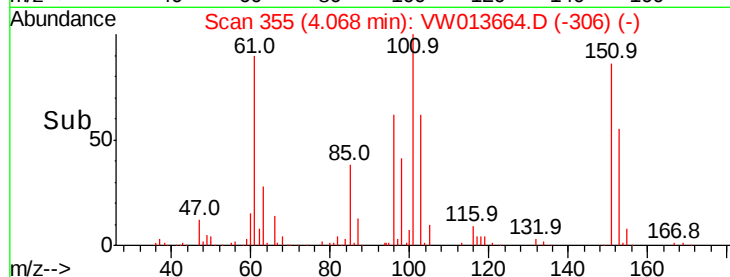
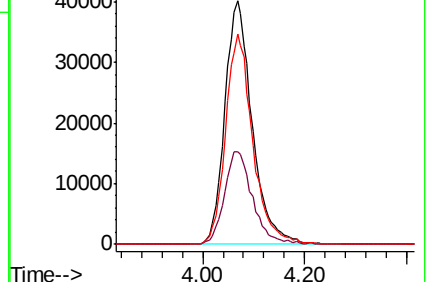
151 85.3 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.240 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

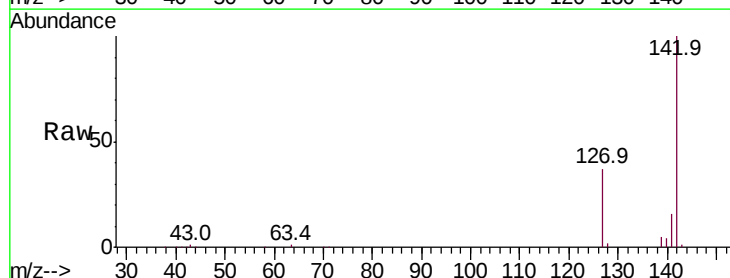
Tgt Ion:142 Resp: 246802

Ion Ratio Lower Upper

142 100

127 37.9 30.3 45.5

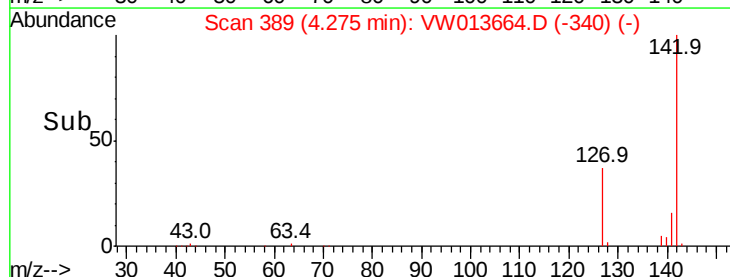
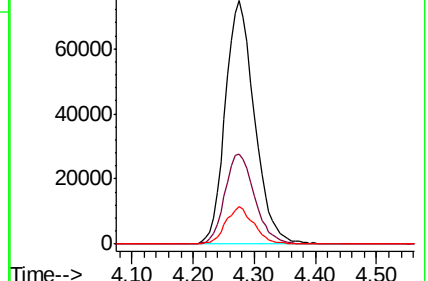
141 14.8 11.8 17.8

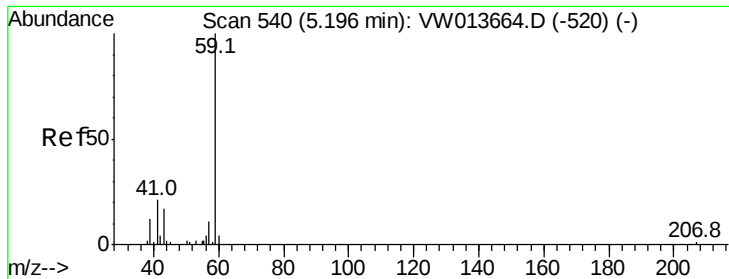


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



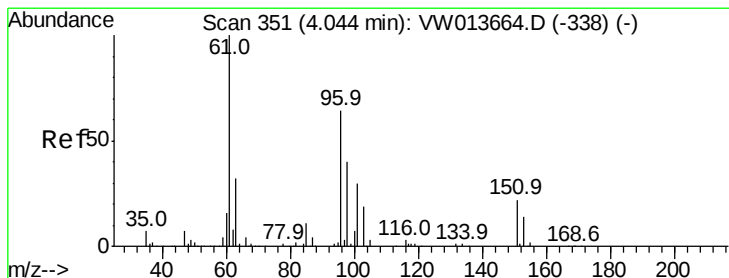
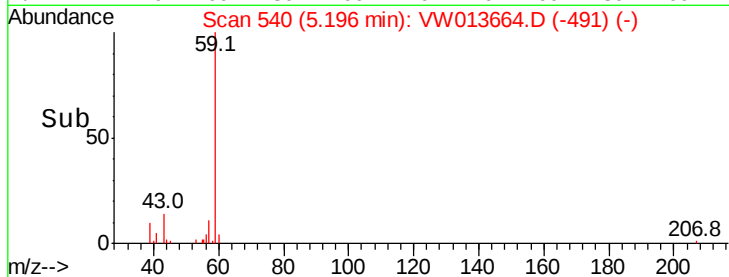
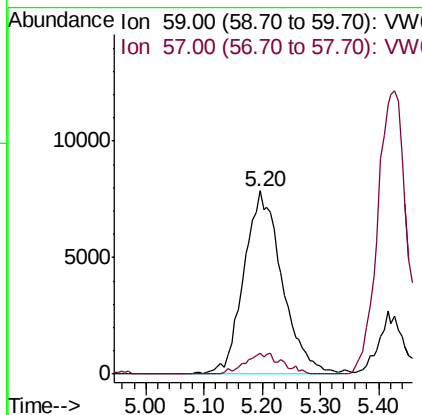
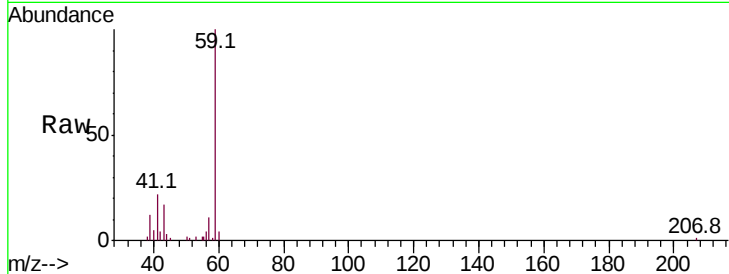


#11

Tert butyl alcohol
Concen: 161.192 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

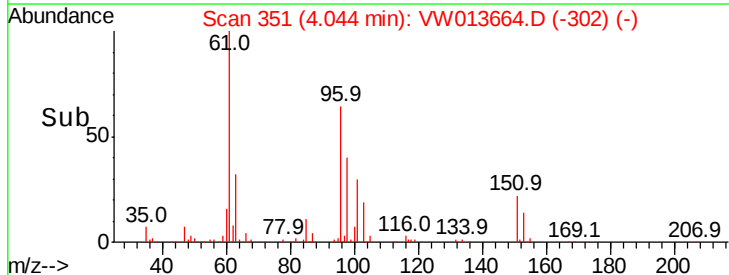
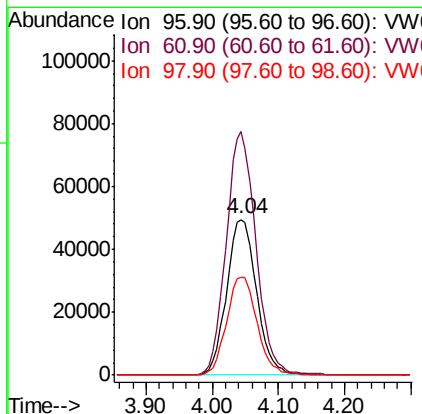
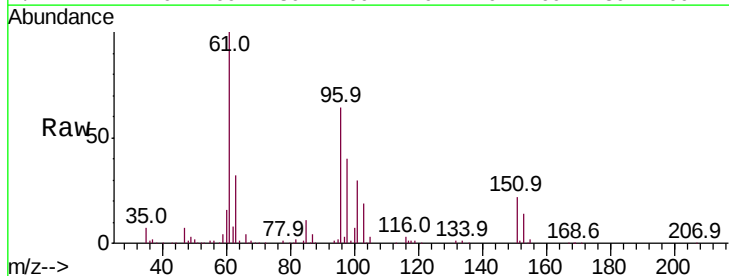
Tot Ion: 59 Resp: 35676
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

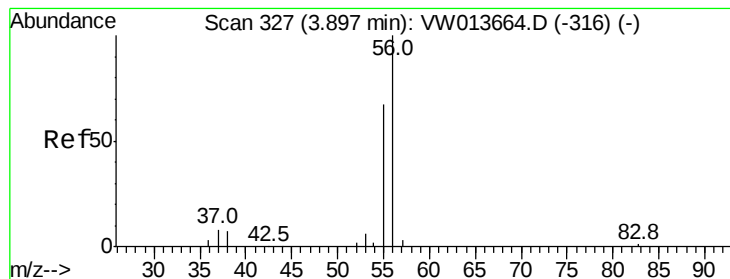


#12

1,1-Dichloroethene
Concen: 50.567 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 96 Resp: 155608
Ion Ratio Lower Upper
96 100
61 156.3 125.0 187.6
98 62.9 50.3 75.5





#13

Acrolein

Concen: 212.349 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

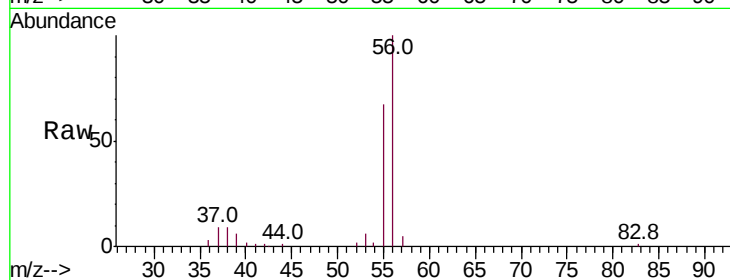
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 44945

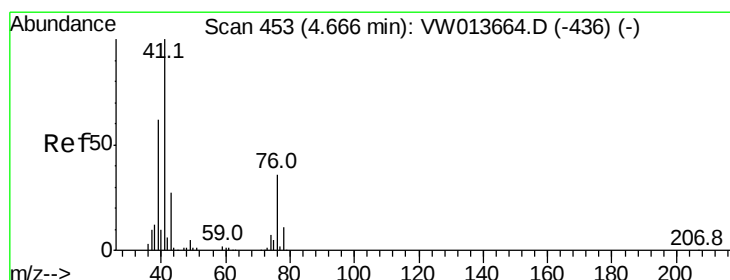
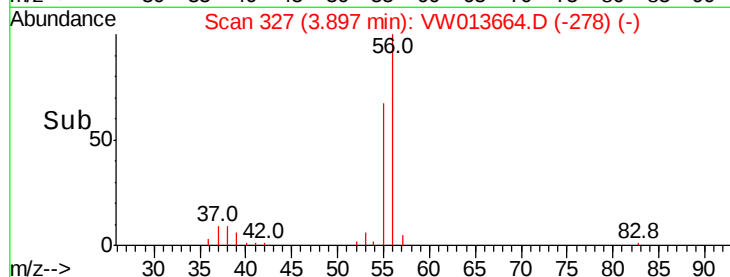
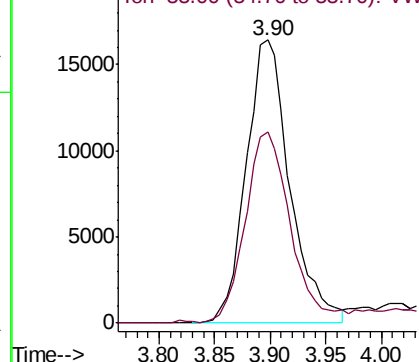
Ion Ratio Lower Upper

56 100

55 70.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 50.791 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

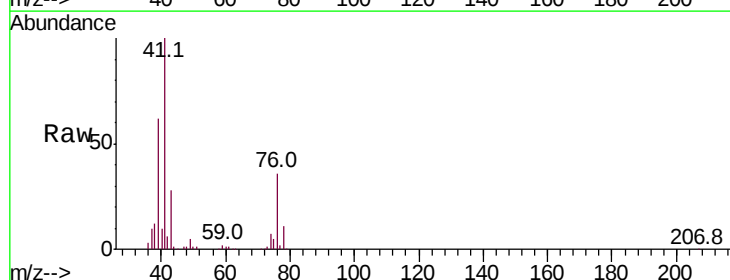
Tgt Ion: 41 Resp: 240319

Ion Ratio Lower Upper

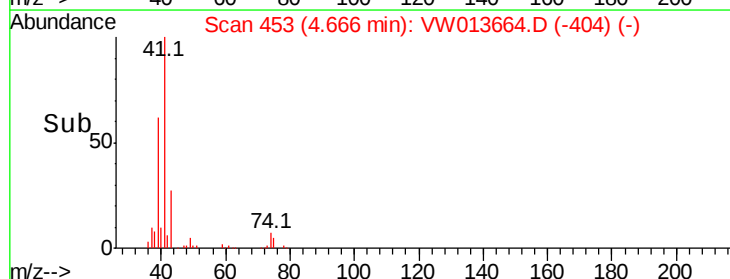
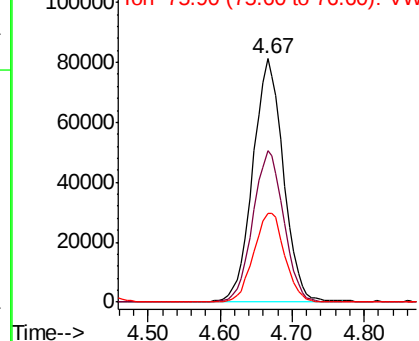
41 100

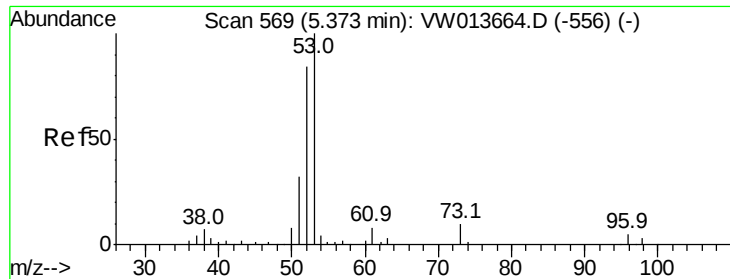
39 62.5 50.0 75.0

76 37.0 29.6 44.4



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 214.916 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

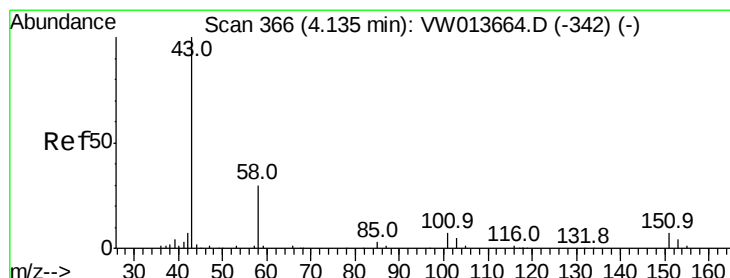
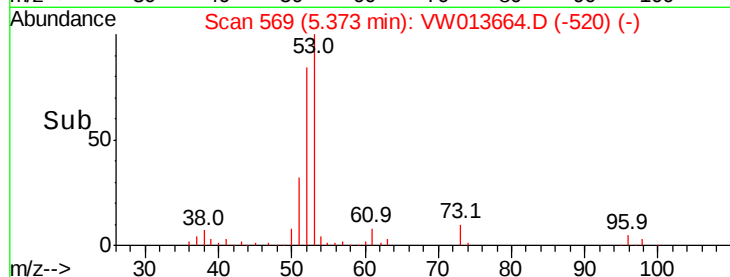
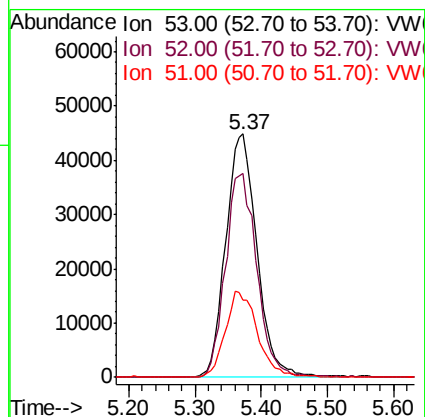
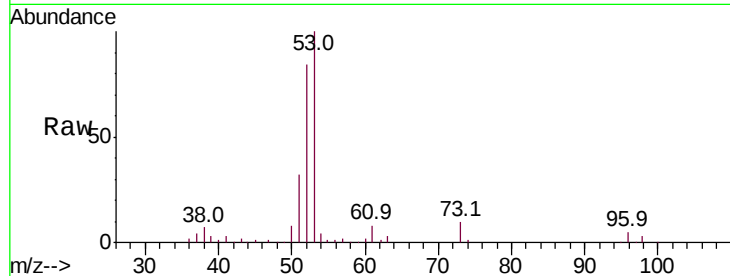
Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 146747

Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.4	101.0
51	36.4	29.1	43.7



#16

Acetone

Concen: 232.125 ug/l

RT: 4.14 min Scan# 366

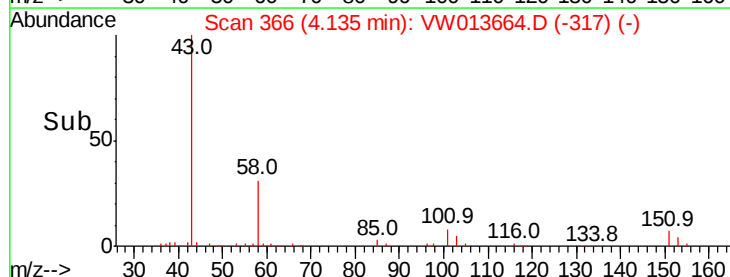
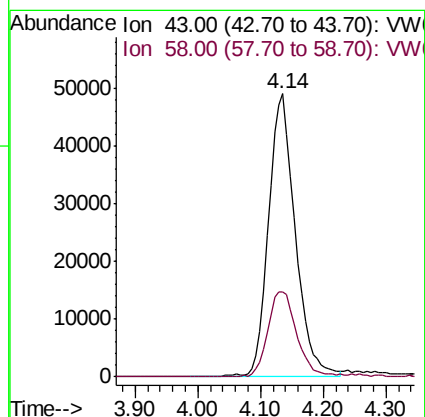
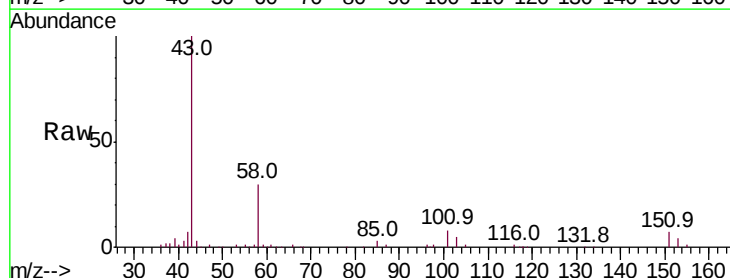
Delta R.T. 0.00 min

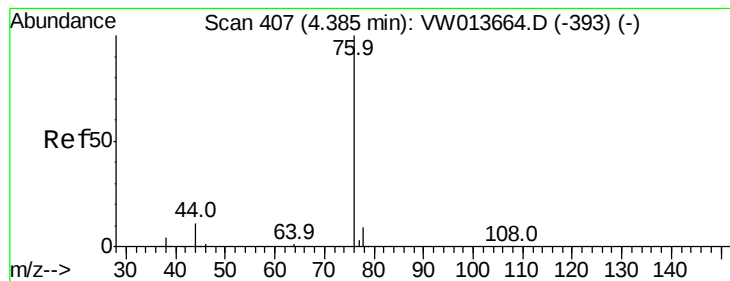
Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion: 43 Resp: 145308

Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.1	36.1





#17

Carbon Disulfide

Concen: 52.020 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

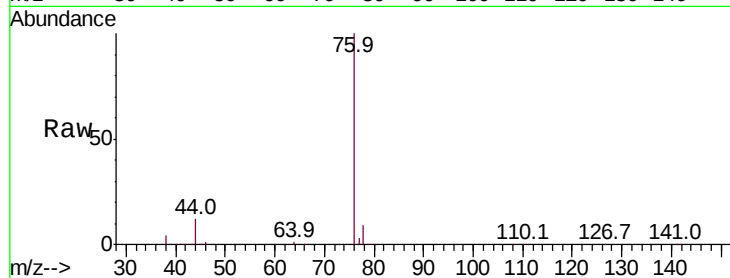
ClientSampleId :

Tot Ion: 76 Resp: 450929

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

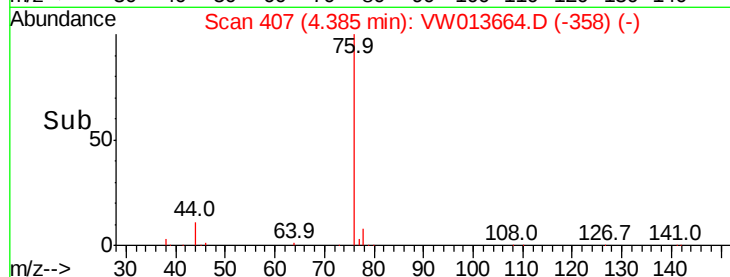
150000

100000

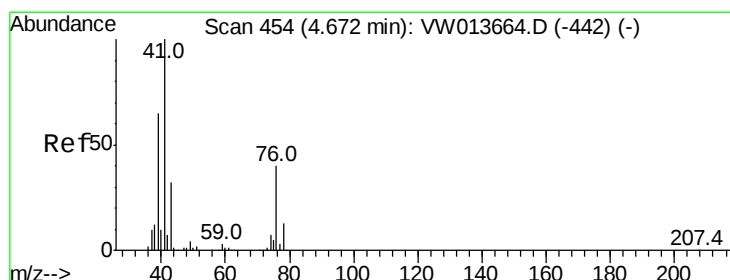
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 39.135 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW013664.D

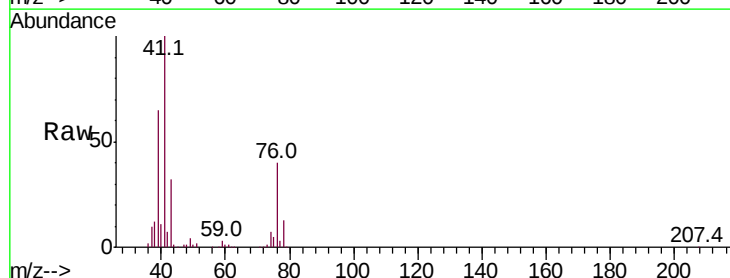
Acq: 23 Oct 2019 12:42

Tgt Ion: 43 Resp: 69861

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

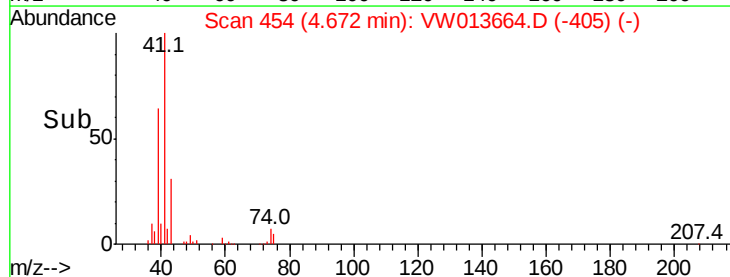
15000

10000

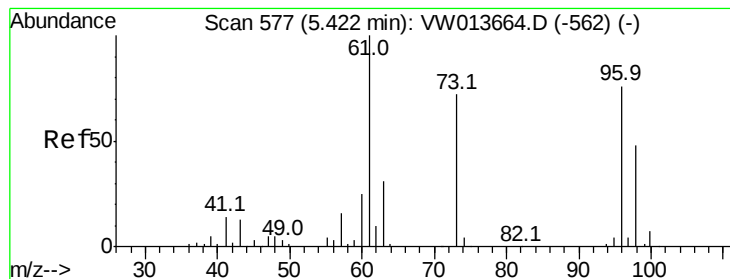
5000

0

Time-->



Time-->

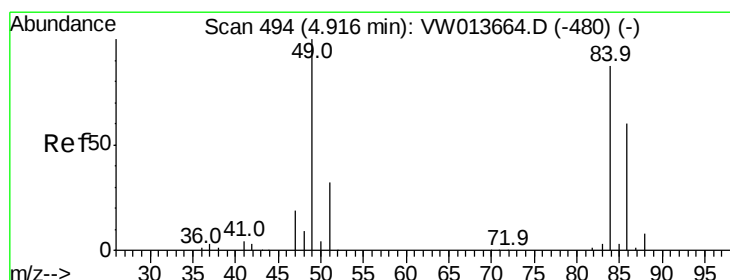
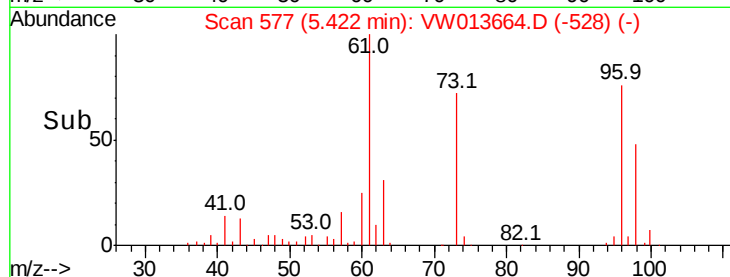
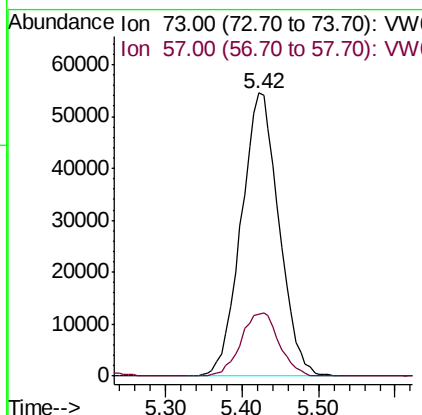
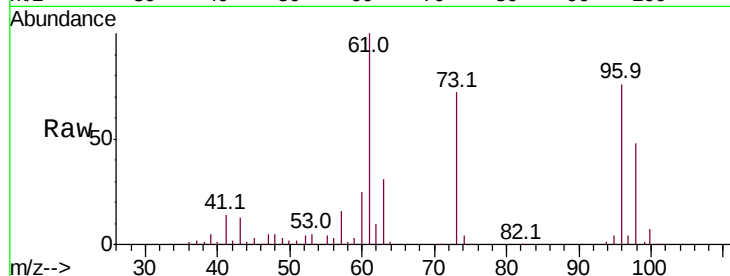


#19

Methyl tert-butyl Ether
 Concen: 41.580 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :

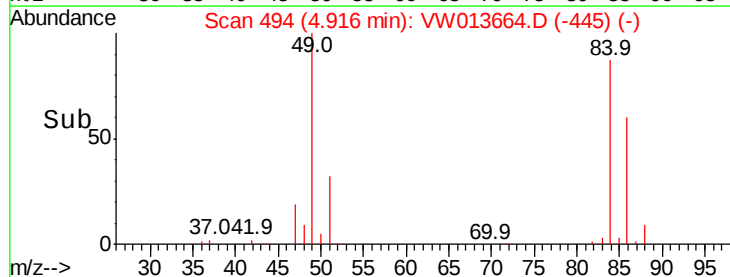
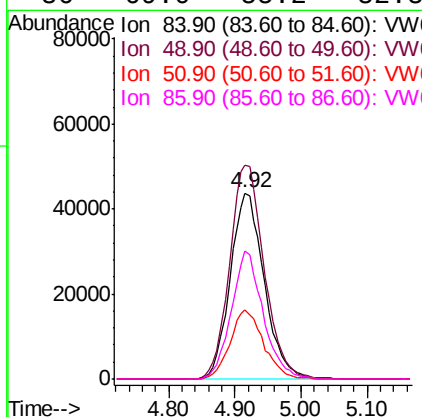
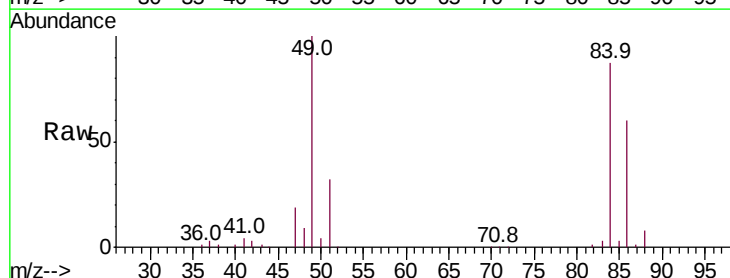
Tot Ion: 73 Resp: 187063
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.6 26.4

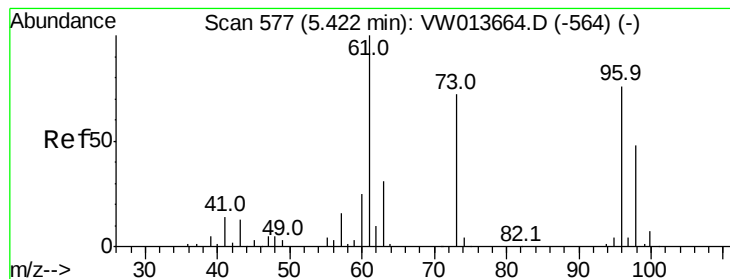


#20

Methylene Chloride
 Concen: 44.411 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion: 84 Resp: 155526
 Ion Ratio Lower Upper
 84 100
 49 114.7 91.8 137.6
 51 37.2 29.8 44.6
 86 69.0 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 51.576 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :

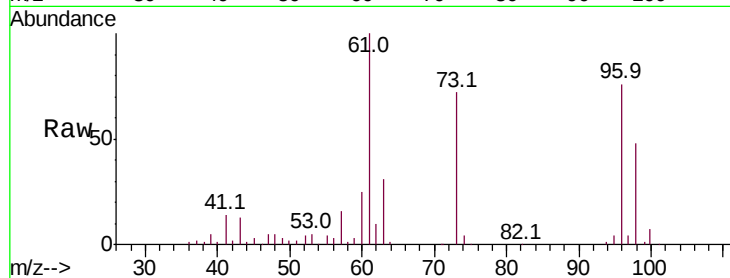
Tot Ion: 96 Resp: 169165

Ion Ratio Lower Upper

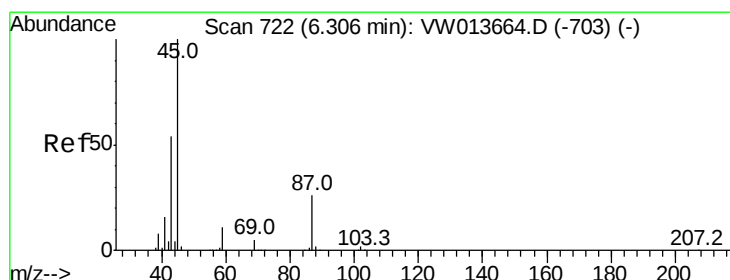
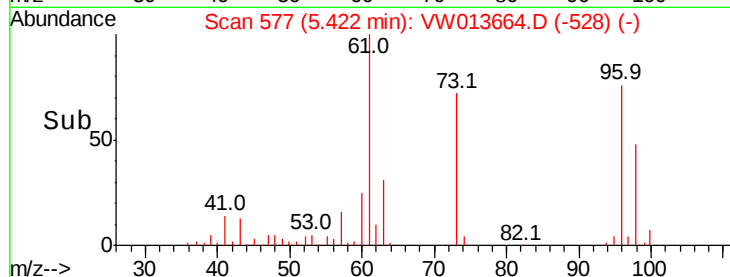
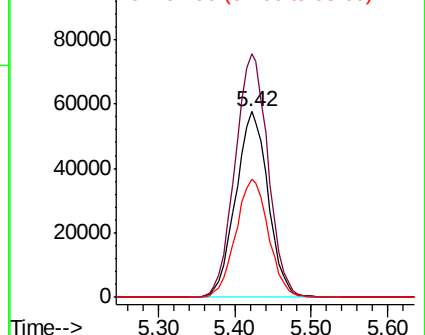
96 100

61 131.0 104.8 157.2

98 63.3 50.6 76.0



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: 50.127 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion: 45 Resp: 443262

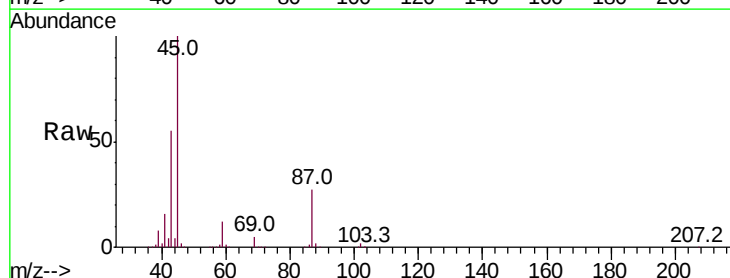
Ion Ratio Lower Upper

45 100

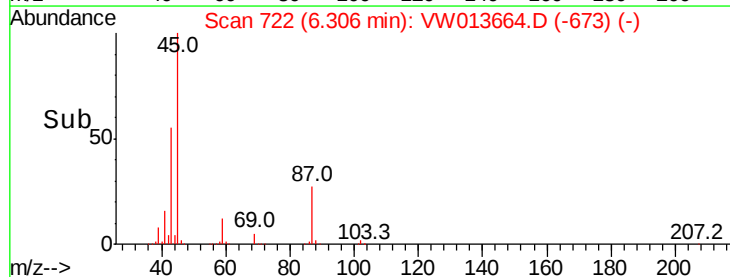
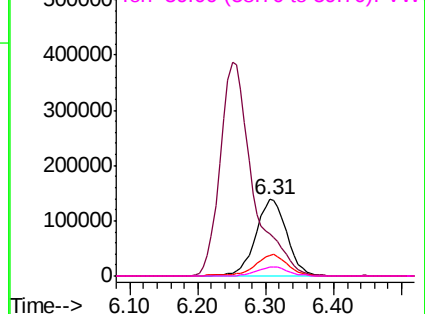
43 54.3 43.4 65.2

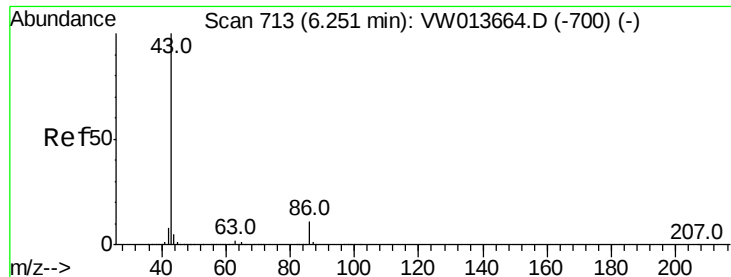
87 26.9 21.5 32.3

59 11.5 9.2 13.8



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: 243.567 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

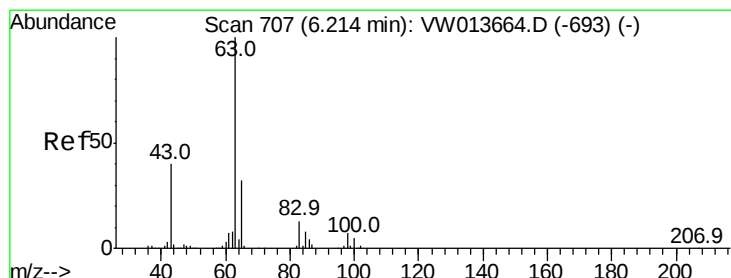
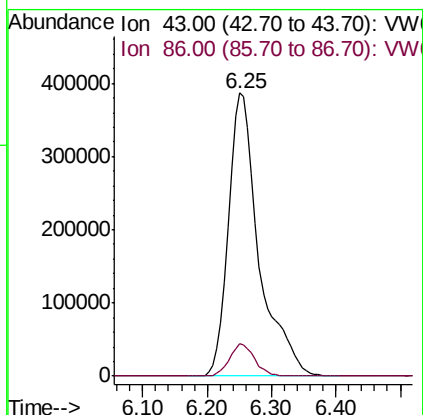
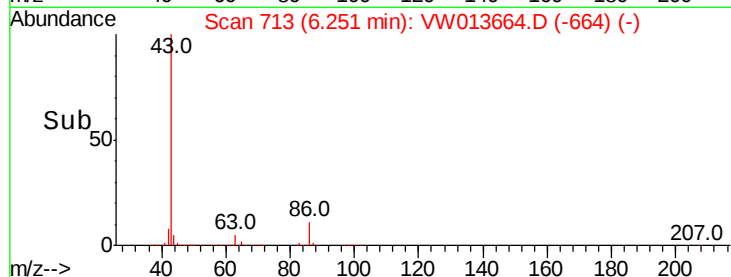
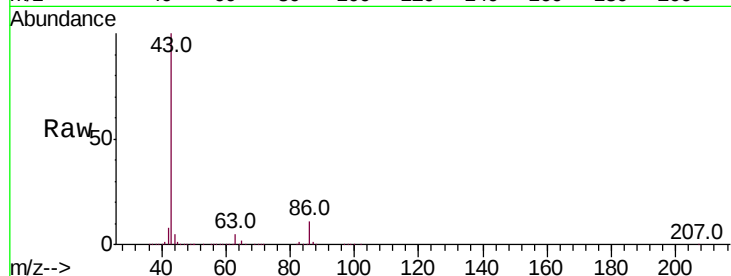
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1286293

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6



#24

1,1-Dichloroethane

Concen: 51.191 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

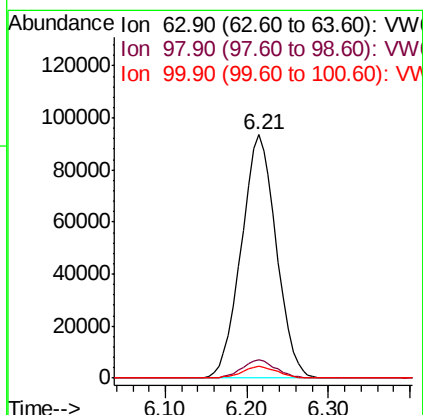
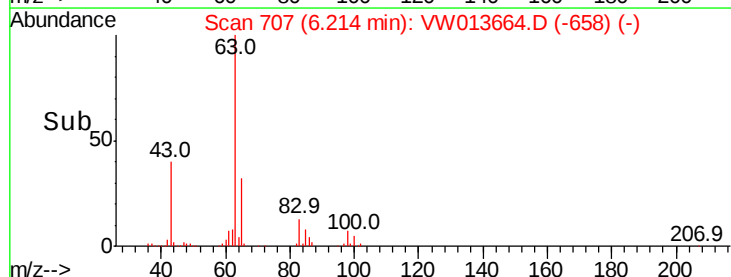
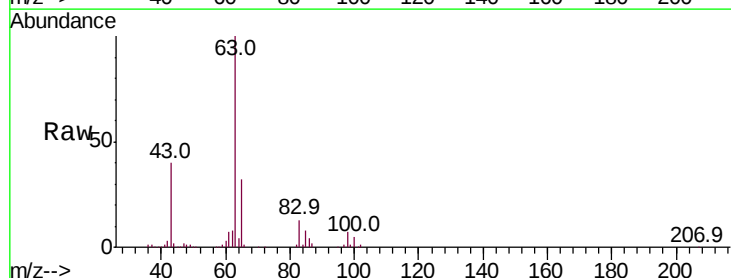
Tgt Ion: 63 Resp: 278527

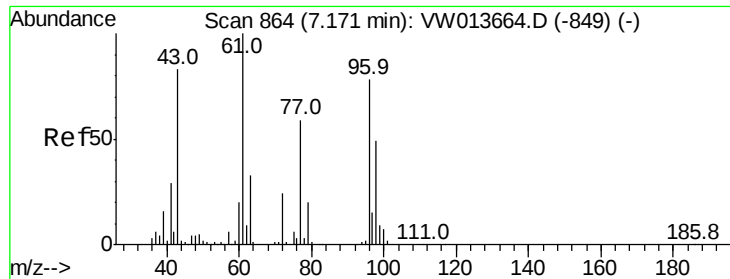
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 213.416 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

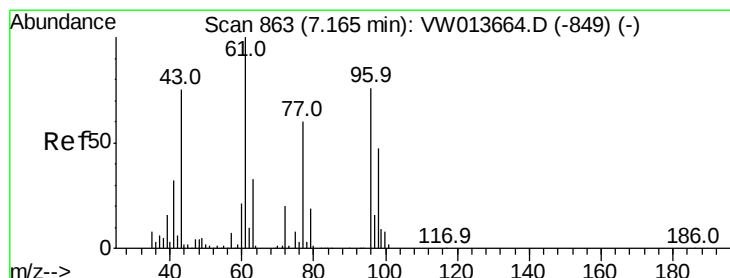
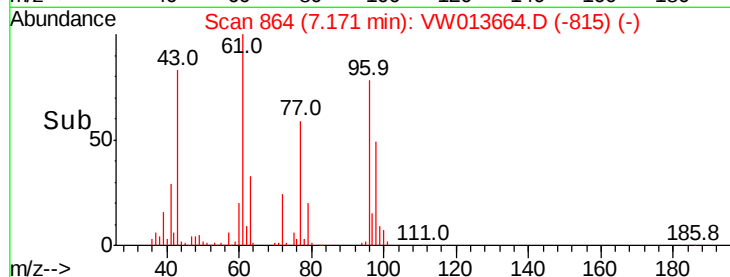
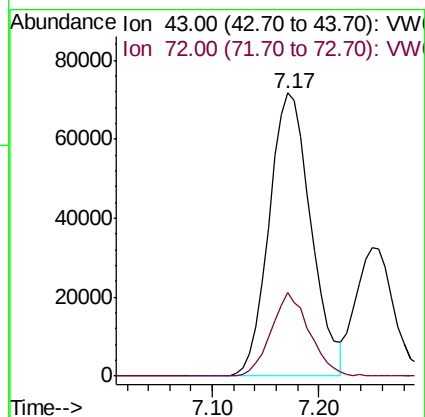
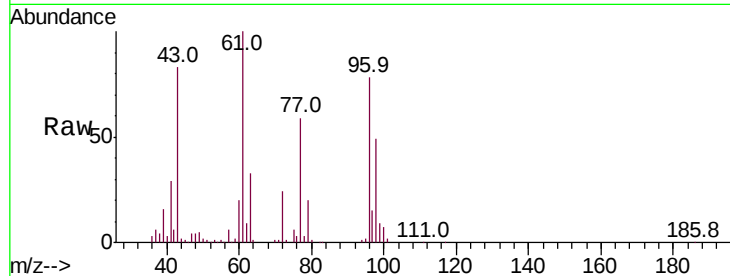
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 196014

Ion Ratio Lower Upper

43 100

72 29.5 23.6 35.4



#26

2,2-Dichloropropane

Concen: 44.764 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013664.D

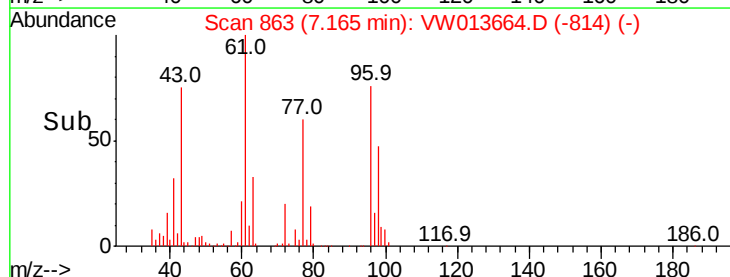
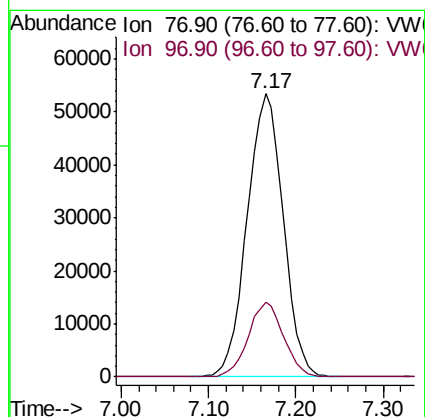
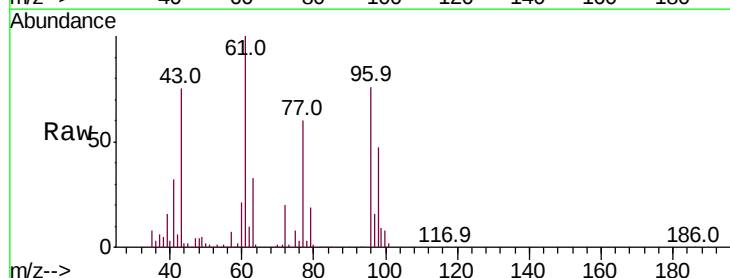
Acq: 23 Oct 2019 12:42

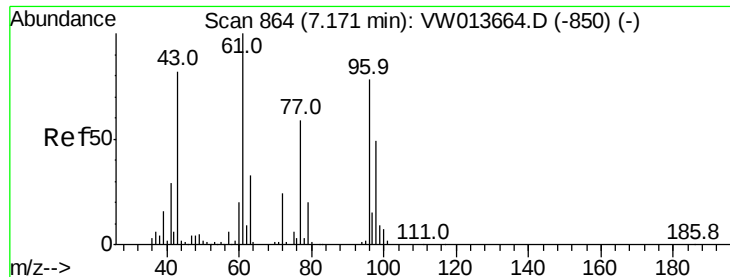
Tgt Ion: 77 Resp: 153516

Ion Ratio Lower Upper

77 100

97 25.6 12.8 38.4



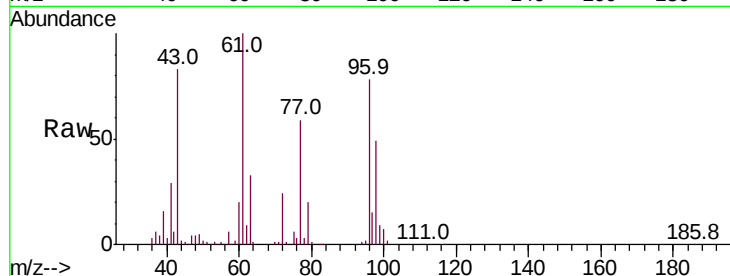


#27

cis-1,2-Dichloroethene
 Concen: 51.641 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	96	Resp	179491
Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	266.0
98	63.4	0.0	126.8

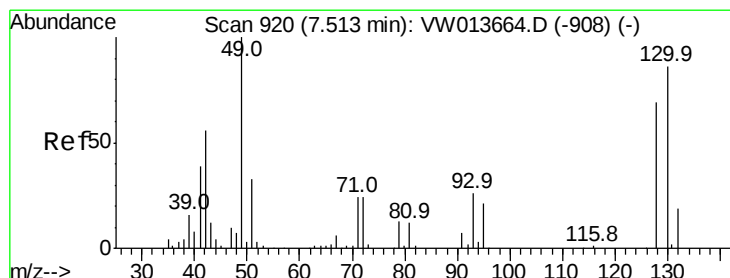
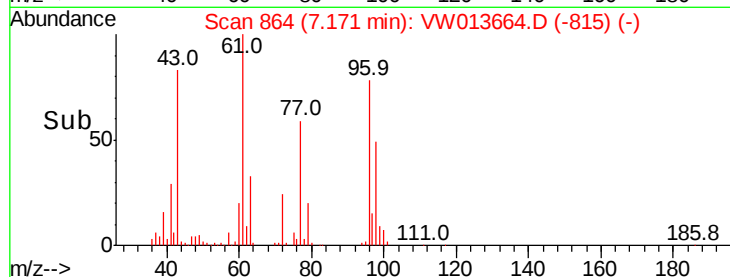
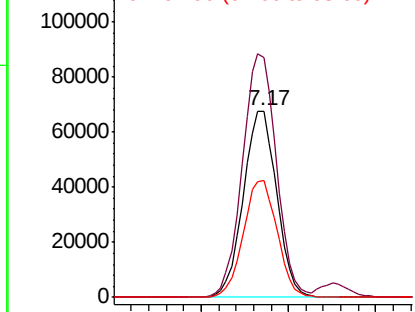


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

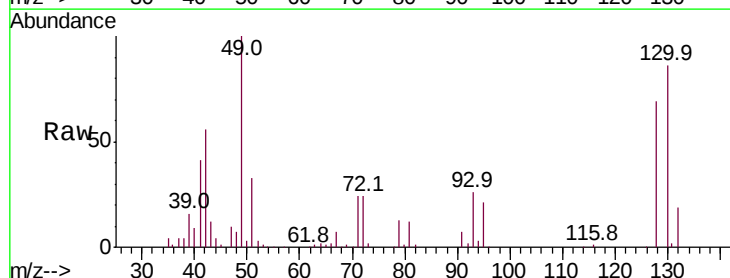
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 55.593 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion	49	Resp	107966
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	0.6
130	84.4	67.5	101.3

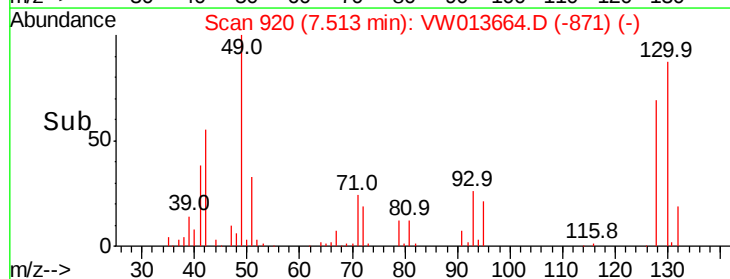
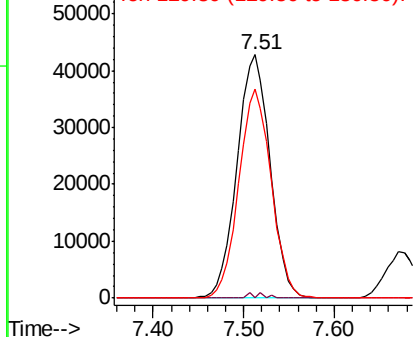


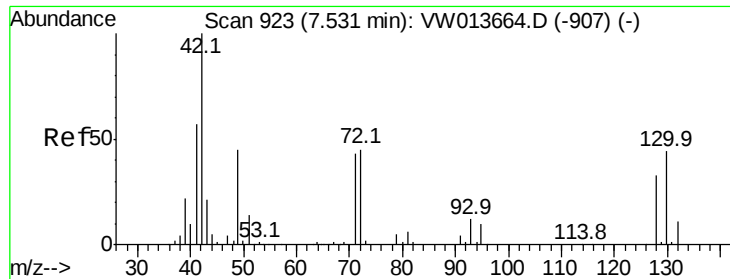
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

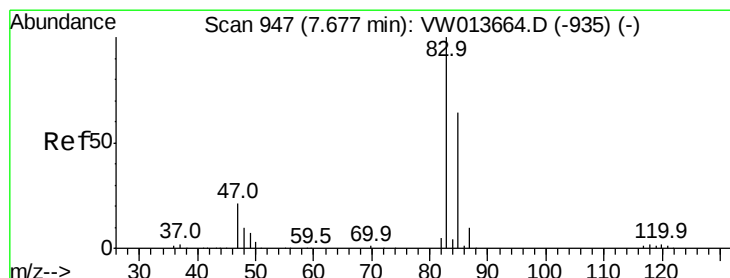
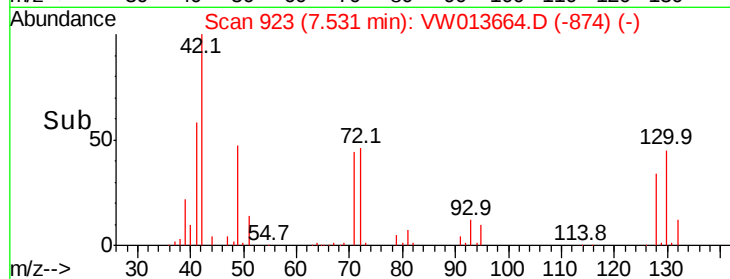
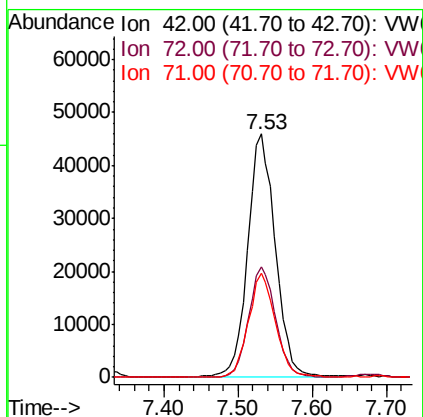
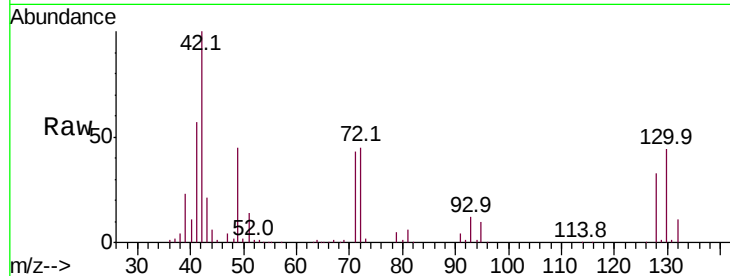




#29
Tetrahydrofuran
Concen: 214.383 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

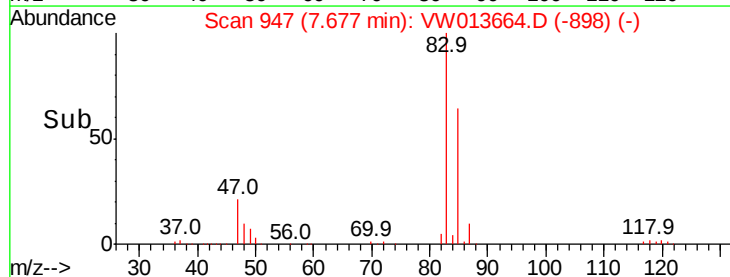
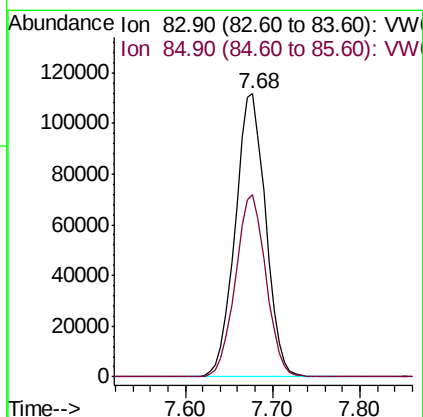
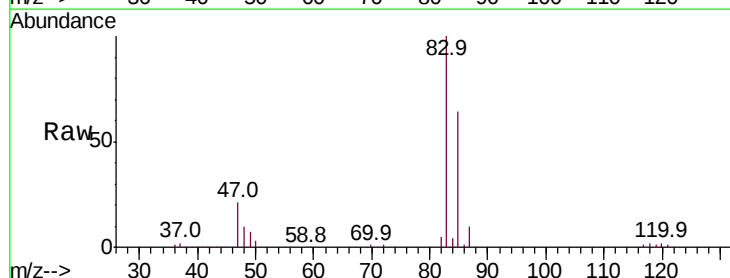
Instrument :
MSVOA_W
ClientSampled :

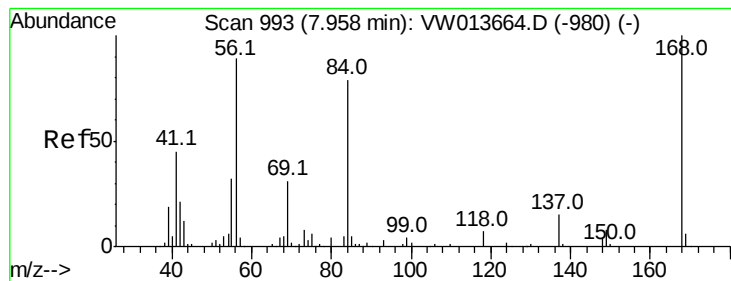
Tot Ion: 42 Resp: 120204
Ion Ratio Lower Upper
42 100
72 44.1 35.3 52.9
71 41.6 33.3 49.9



#30
Chloroform
Concen: 51.261 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 83 Resp: 269460
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2





#31

Cyclohexane

Concen: 48.480 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

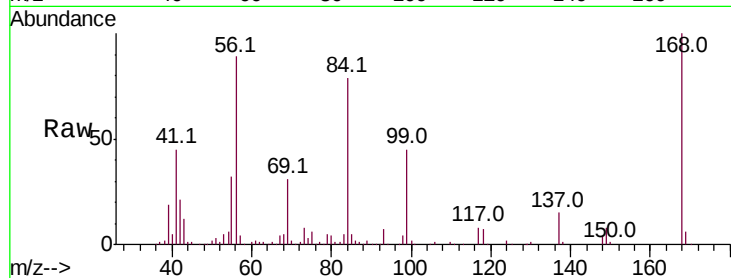
Tot Ion: 56 Resp: 278017

Ion Ratio Lower Upper

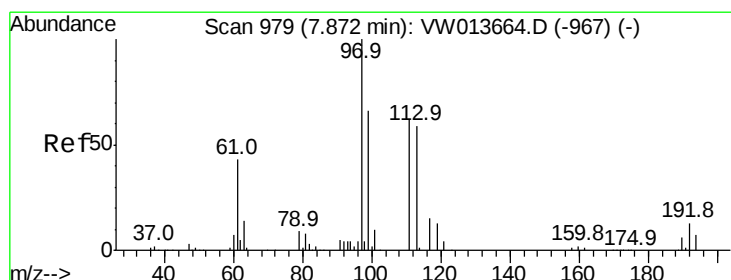
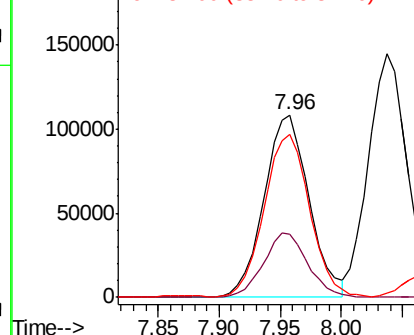
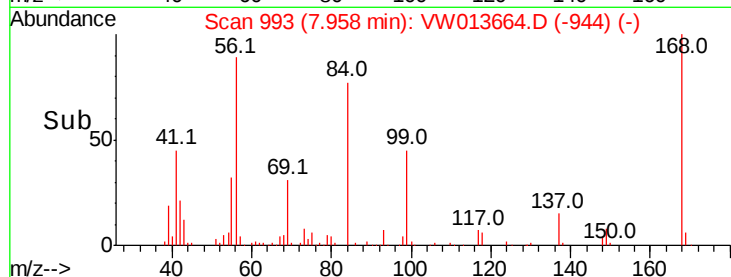
56 100

69 34.4 27.5 41.3

84 88.5 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 50.383 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

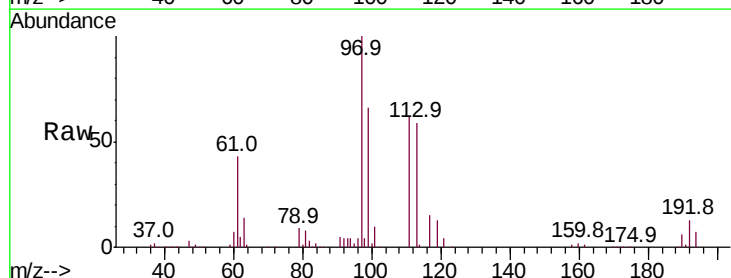
Tgt Ion: 97 Resp: 214251

Ion Ratio Lower Upper

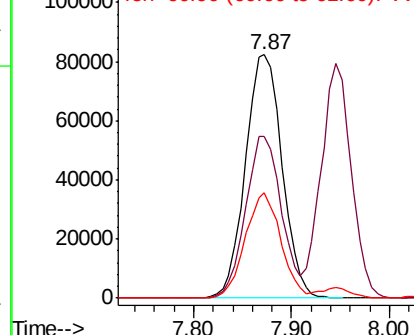
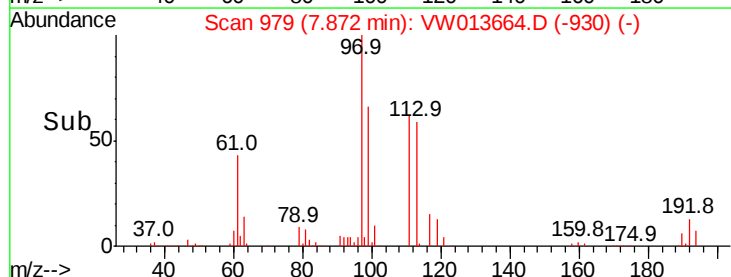
97 100

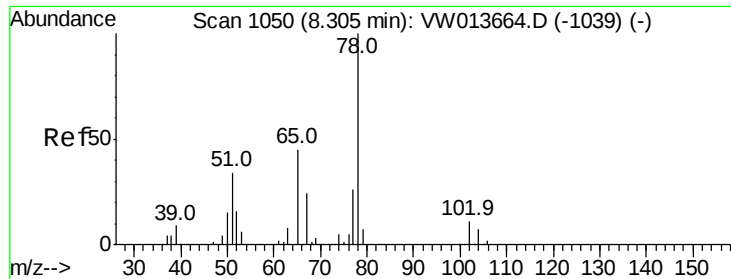
99 65.0 52.0 78.0

61 42.2 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

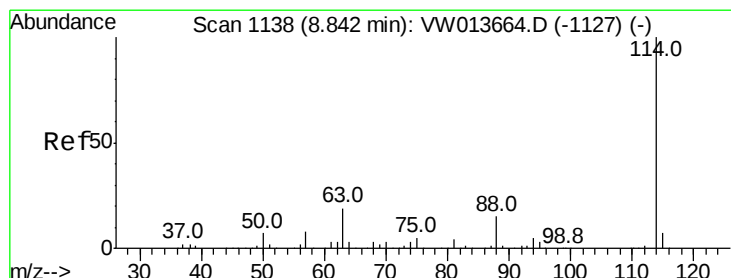
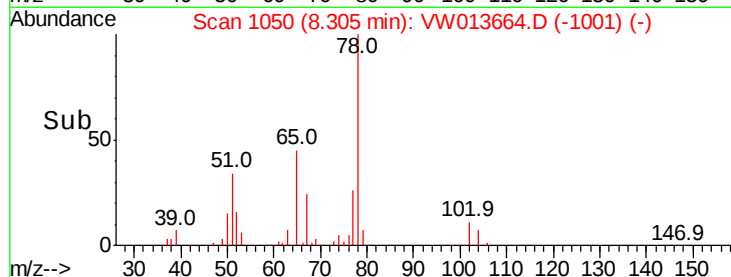
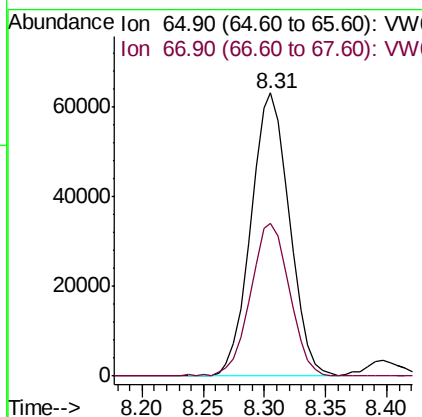
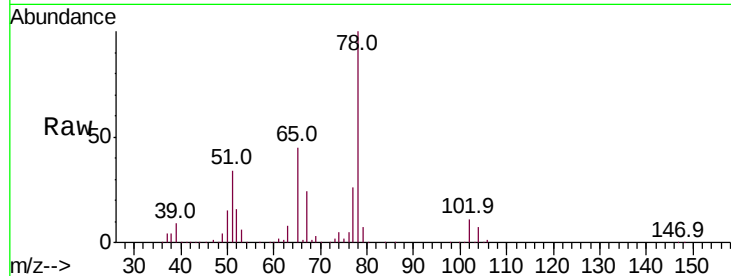




#33
 1,2-Dichloroethane-d4
 Concen: 50.288 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

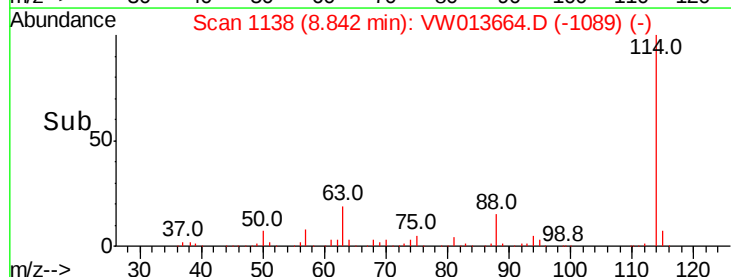
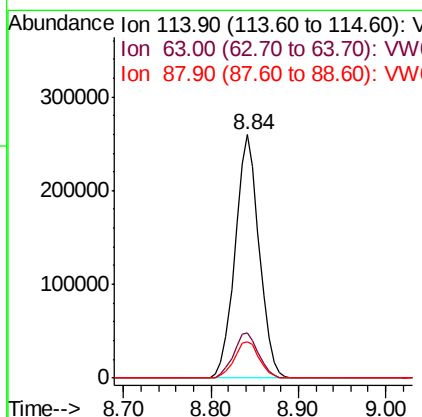
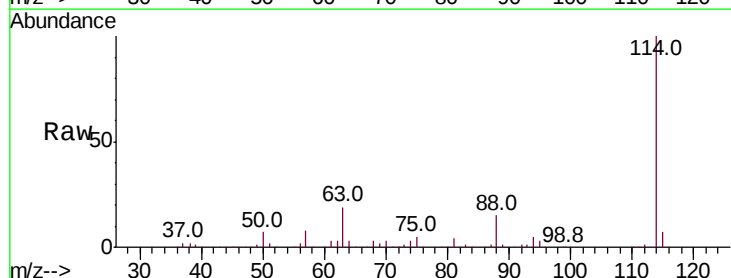
Instrument :
 MSVOA_W
 ClientSampleId :

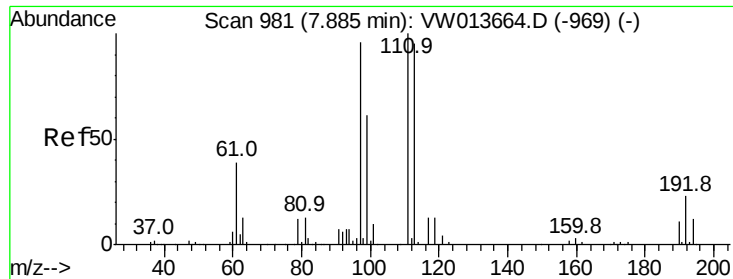
Tot Ion: 65 Resp: 138385
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion: 114 Resp: 495248
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.6
 88 15.1 0.0 30.2

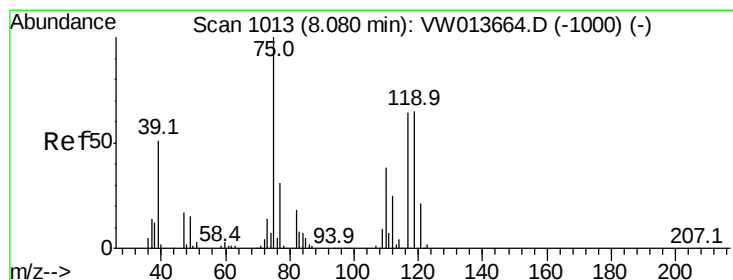
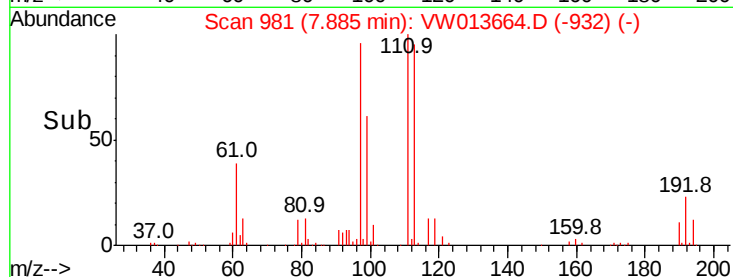
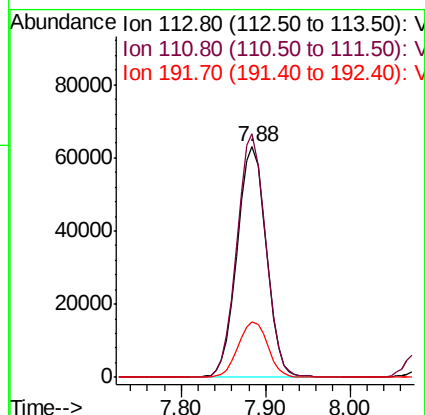
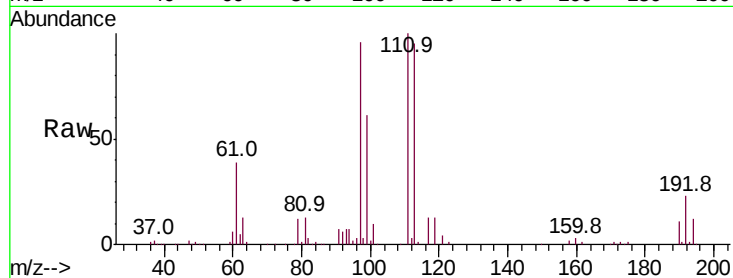




#35
 Dibromofluoromethane
 Concen: 52.867 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

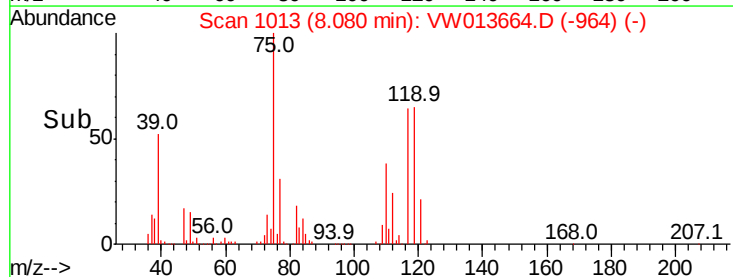
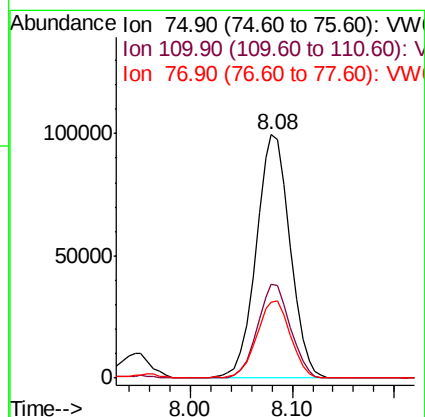
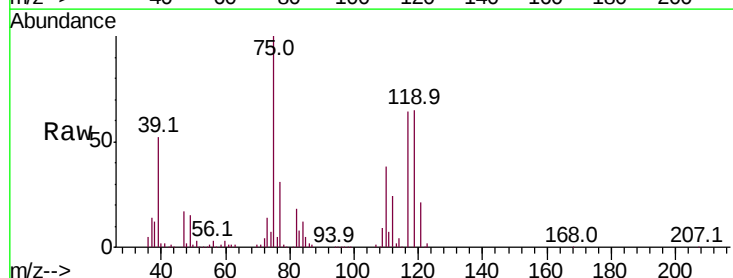
Instrument :
 MSVOA_W
 ClientSampleId :

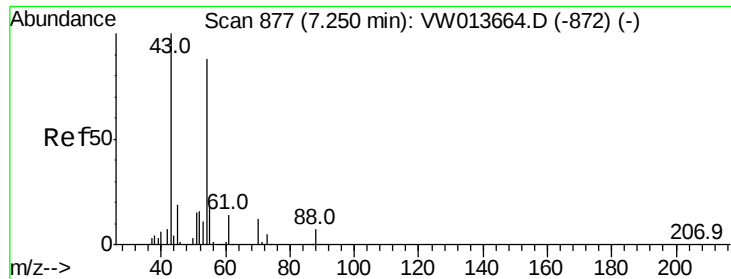
Tot Ion:113 Resp: 147887
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.6
 192 24.3 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 50.983 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion: 75 Resp: 229645
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.7 56.1
 77 31.7 25.4 38.0

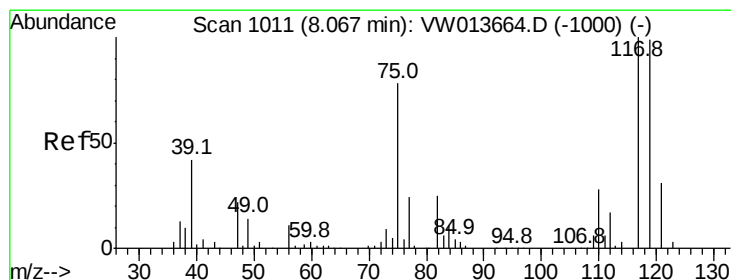
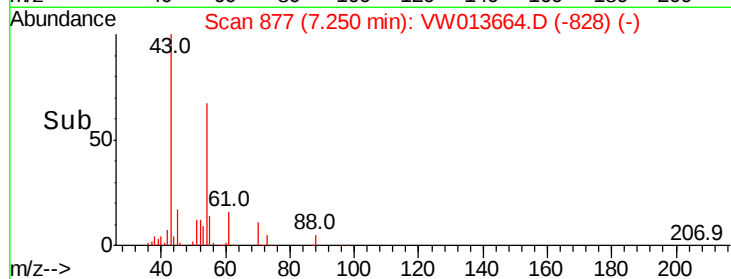
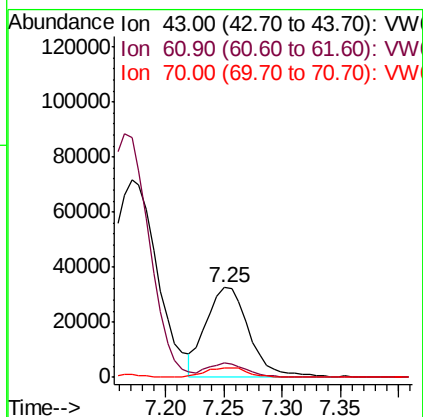
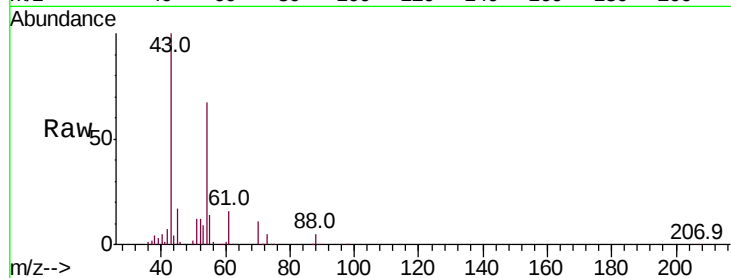




#37
Ethyl Acetate
Concen: 41.383 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

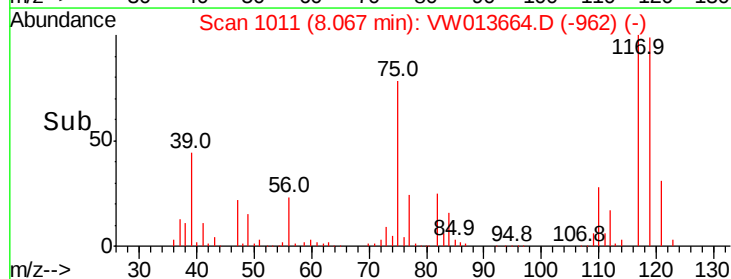
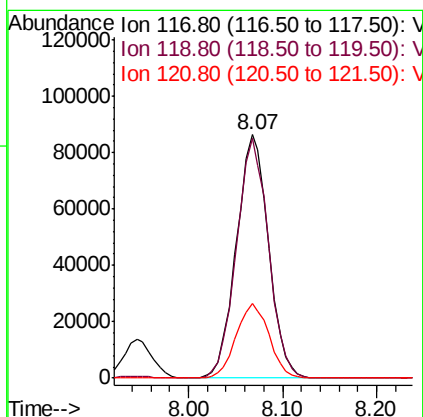
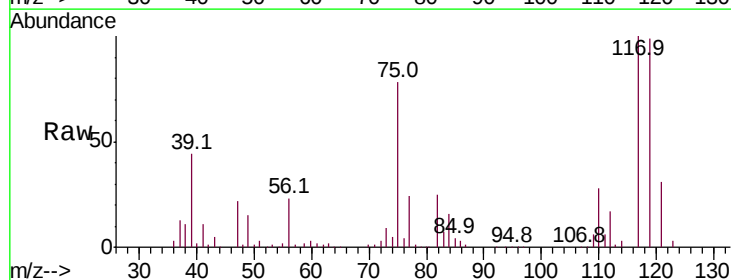
Instrument :
MSVOA_W
ClientSampled :

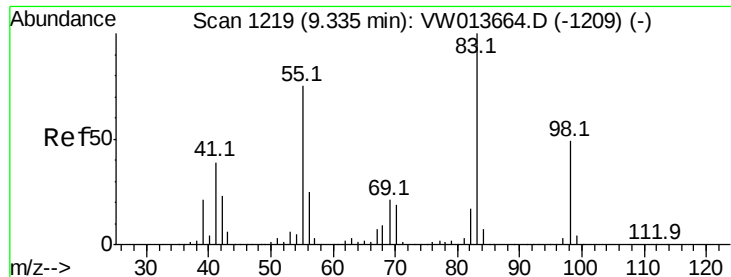
Tot Ion: 43 Resp: 82440
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 51.733 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 117 Resp: 206142
Ion Ratio Lower Upper
117 100
119 98.7 79.0 118.4
121 30.6 24.5 36.7

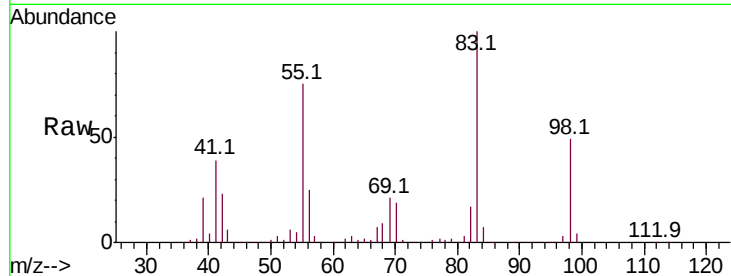




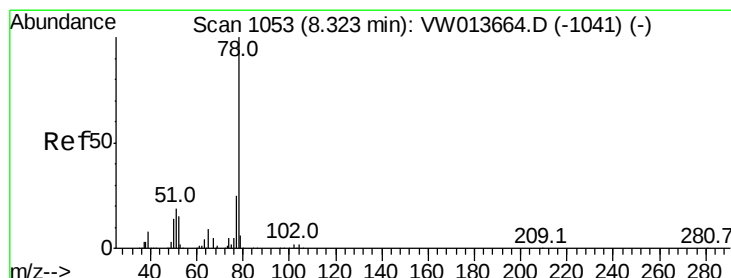
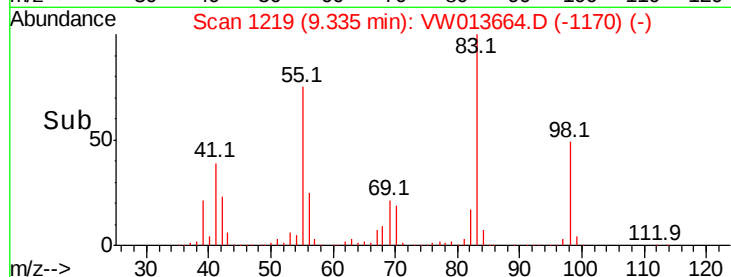
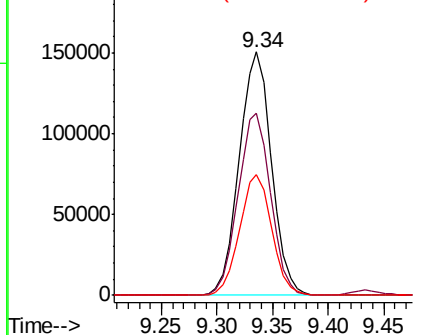
#39
Methvlcvclohexane
Concen: 51.891 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 303012
Ion Ratio Lower Upper
83 100
55 74.9 59.9 89.9
98 49.3 39.4 59.2

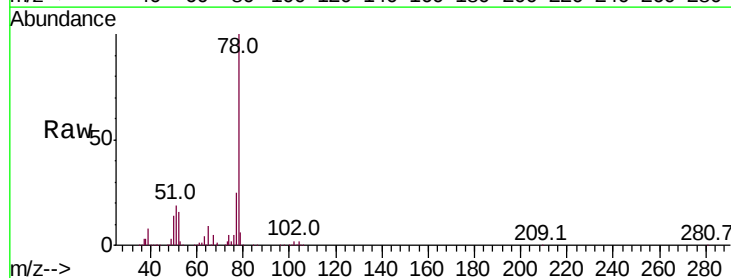


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

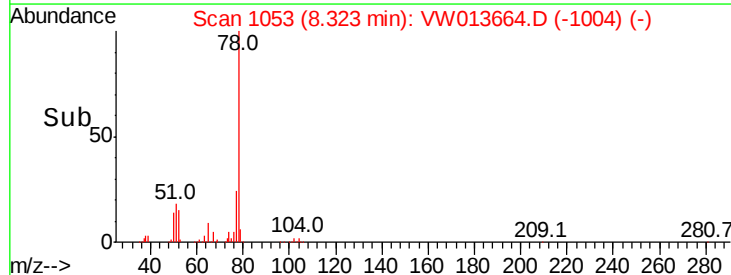
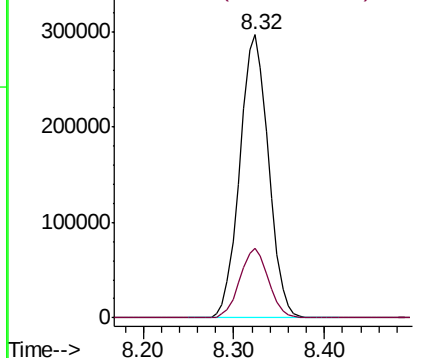


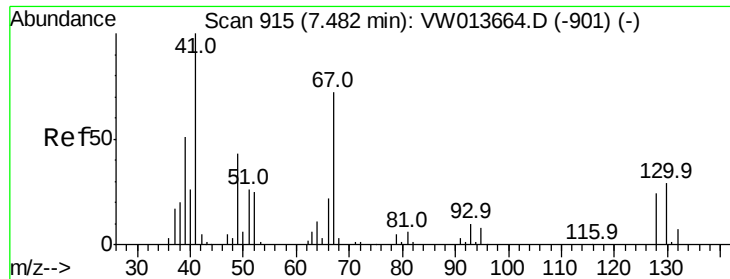
#40
Benzene
Concen: 51.536 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 78 Resp: 649436
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4



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

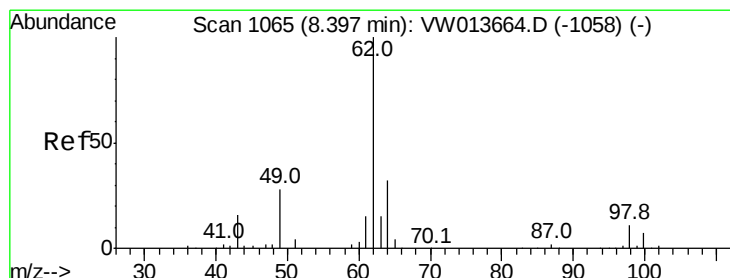
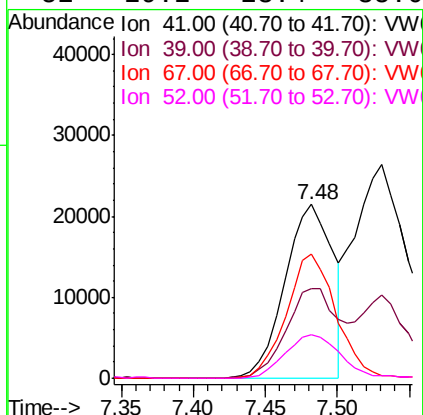
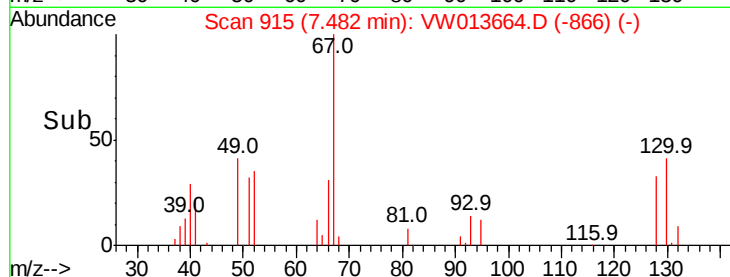
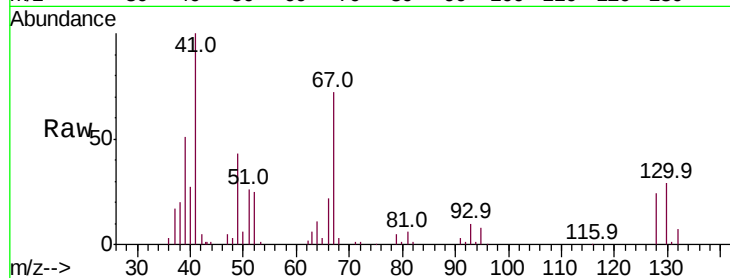




#41
Methacrylonitrile
Concen: 43.745 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

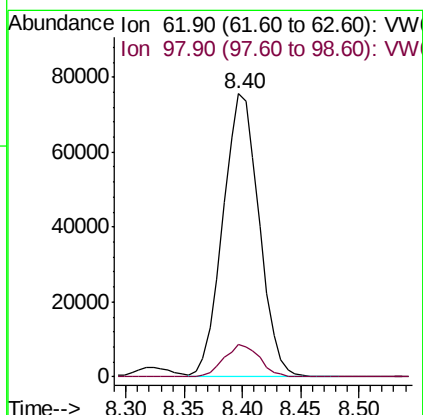
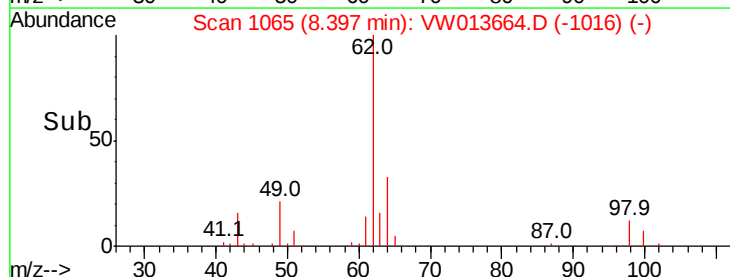
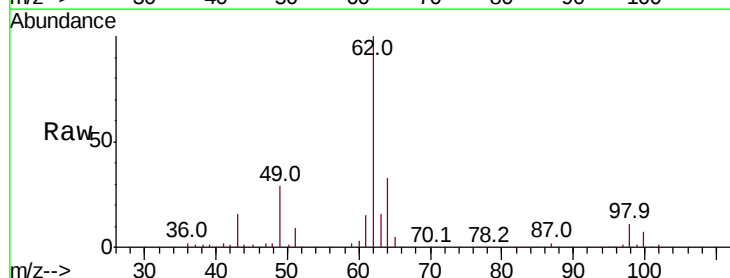
Instrument :
MSVOA_W
ClientSampled :

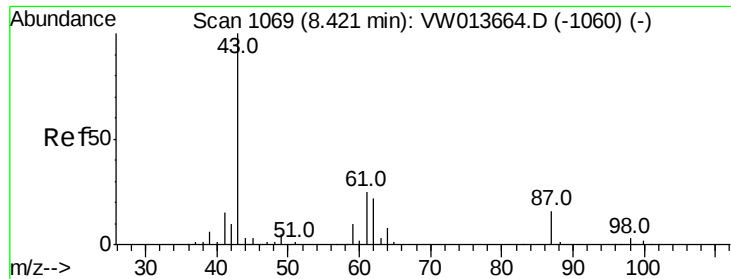
Tot Ion: 41 Resp: 49844
Ion Ratio Lower Upper
41 100
39 56.0 44.8 67.2
67 74.1 59.3 88.9
52 29.2 23.4 35.0



#42
1,2-Dichloroethane
Concen: 51.221 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 62 Resp: 163229
Ion Ratio Lower Upper
62 100
98 11.2 0.0 22.4

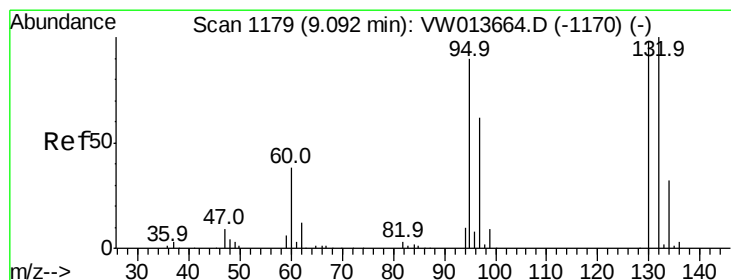
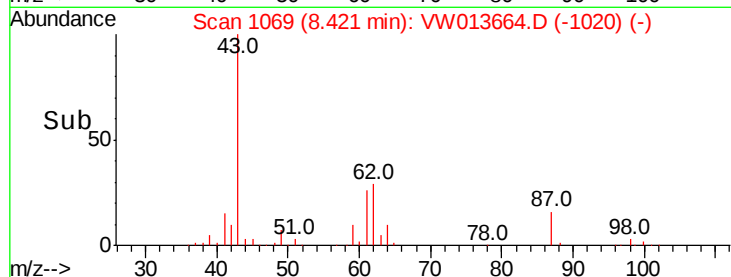
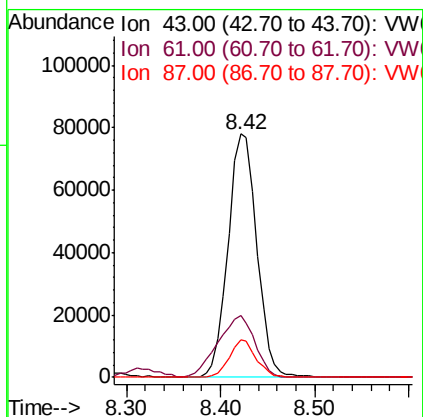
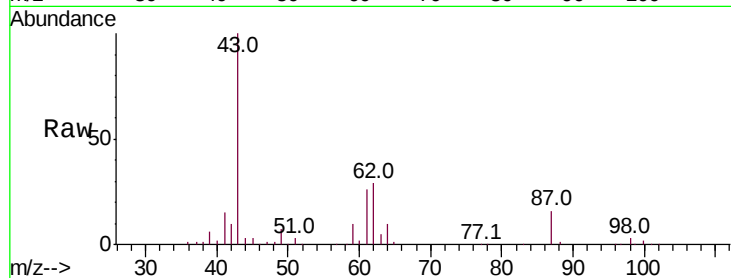




#43
Isopropyl Acetate
Concen: 45.413 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

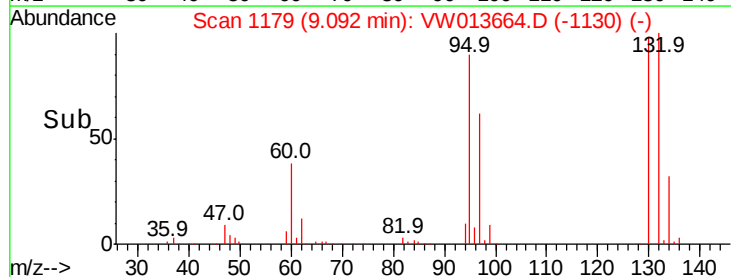
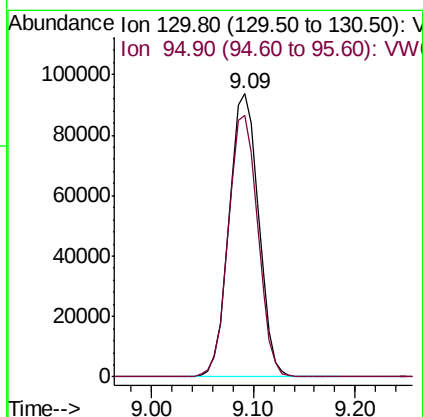
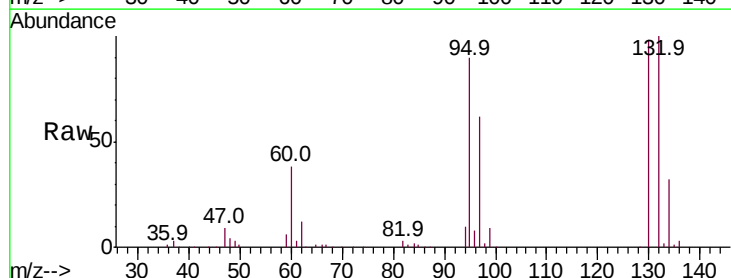
Instrument :
MSVOA_W
ClientSampled :

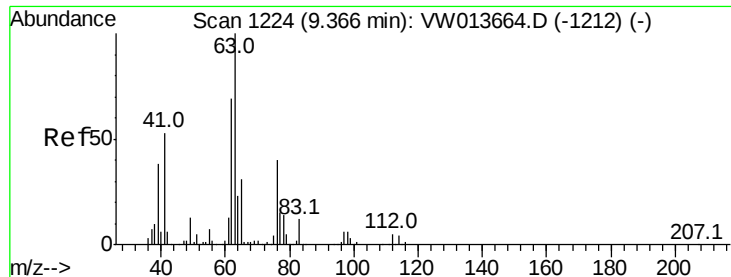
Tot Ion: 43 Resp: 164954
Ion Ratio Lower Upper
43 100
61 32.6 26.1 39.1
87 14.2 11.4 17.0



#44
Trichloroethene
Concen: 52.019 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 130 Resp: 187057
Ion Ratio Lower Upper
130 100
95 92.3 0.0 184.6





#45

1,2-Dichloropropane

Concen: 51.584 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

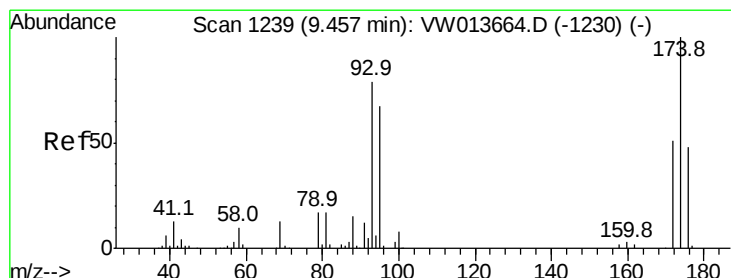
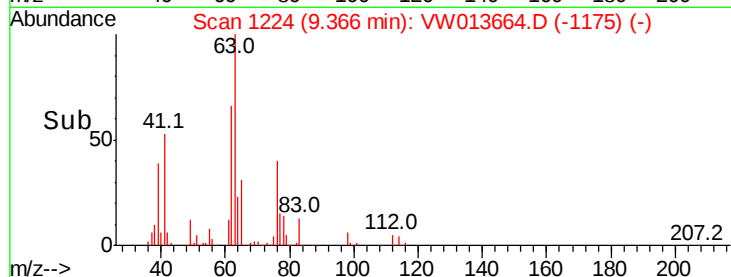
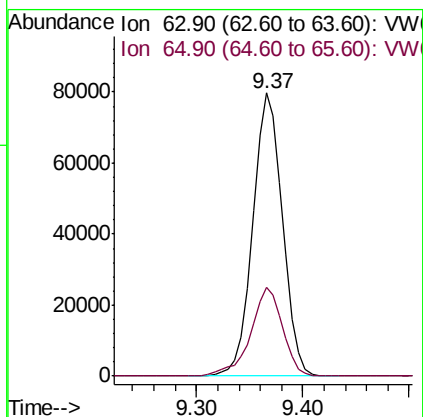
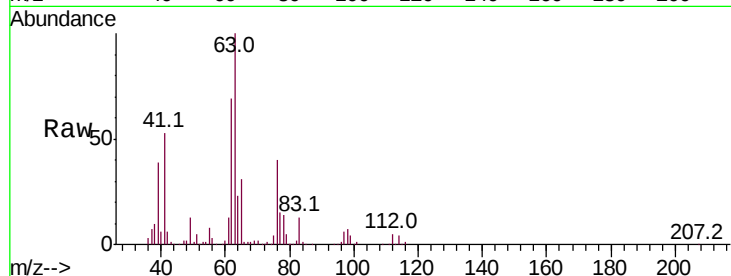
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 156195

Ion Ratio Lower Upper

63 100

65 31.5 25.2 37.8



#46

Dibromomethane

Concen: 49.817 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

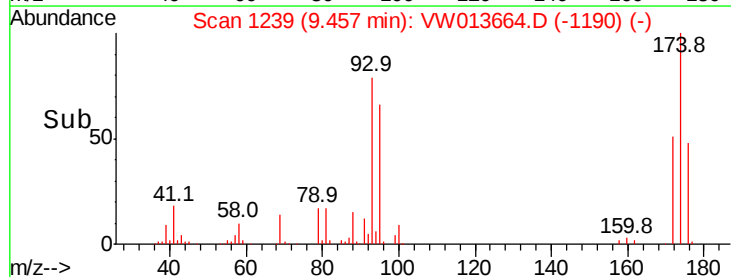
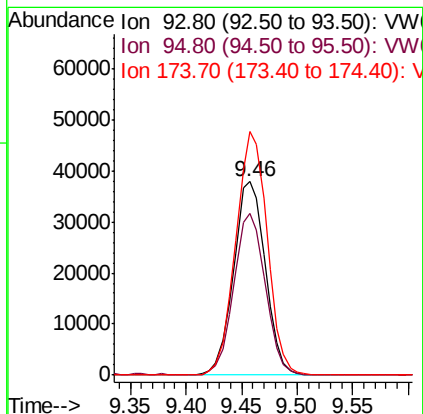
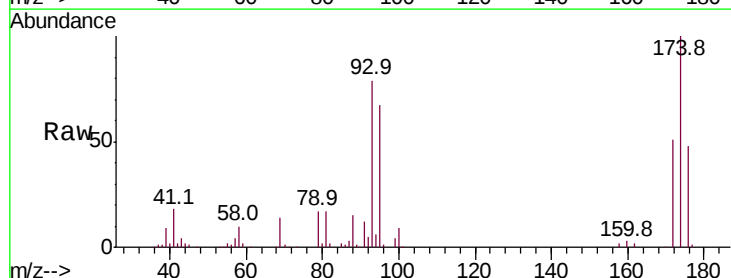
Tgt Ion: 93 Resp: 74904

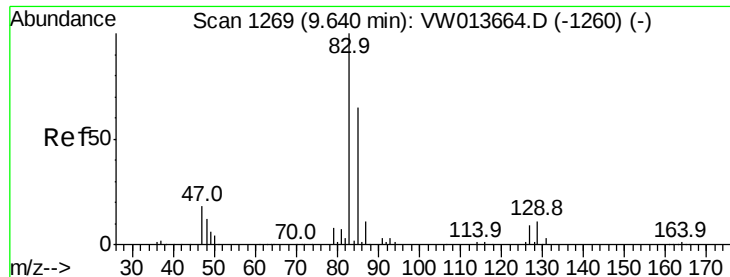
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 124.5 99.6 149.4





#47

Bromodichloromethane

Concen: 52.529 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

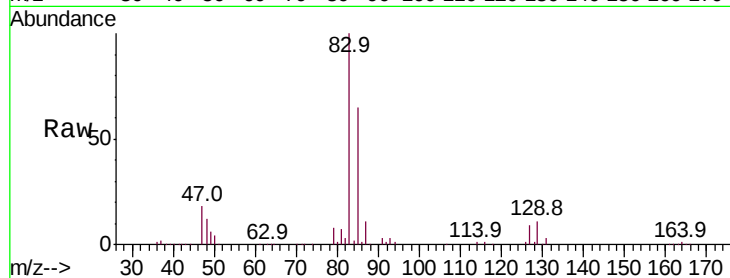
Tot Ion: 83 Resp: 197318

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

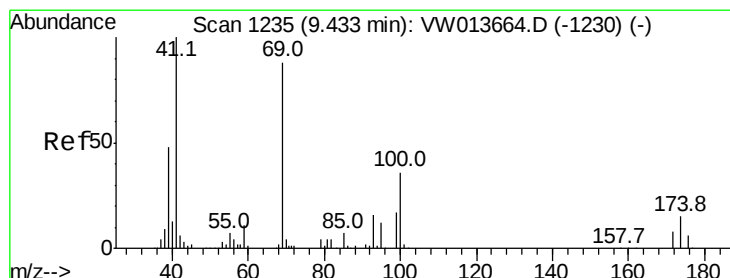
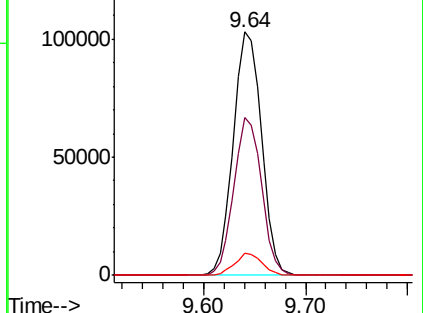
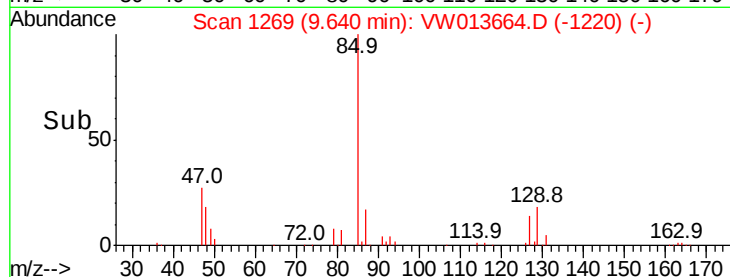
127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 46.859 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

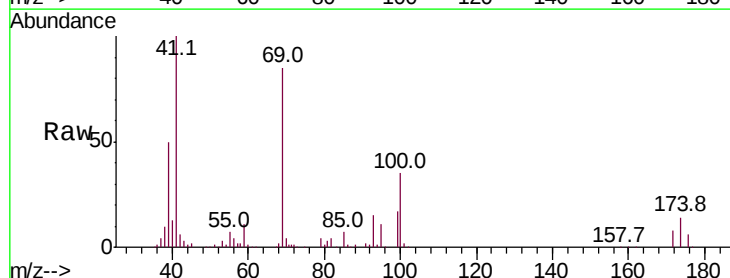
Tgt Ion: 41 Resp: 84332

Ion Ratio Lower Upper

41 100

69 84.5 67.6 101.4

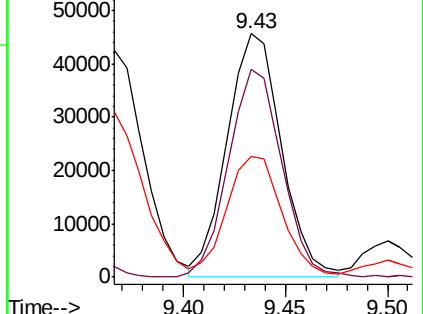
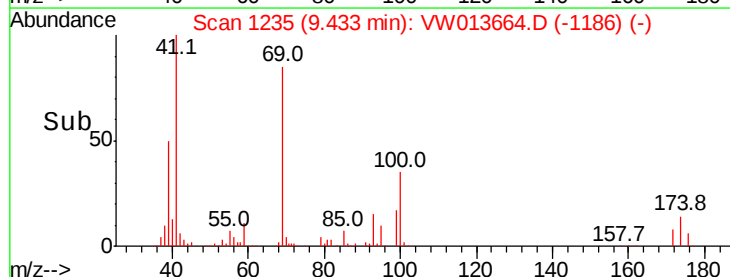
39 48.3 38.6 58.0

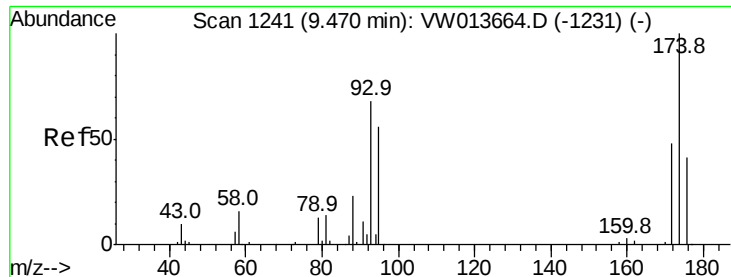


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

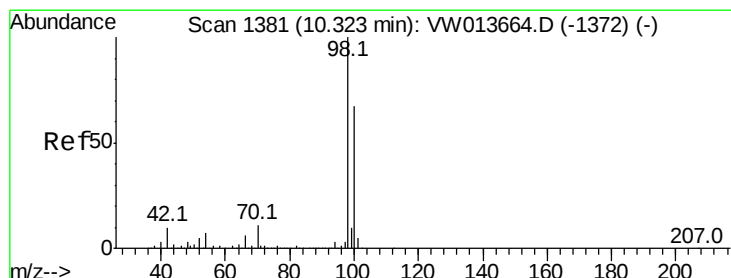
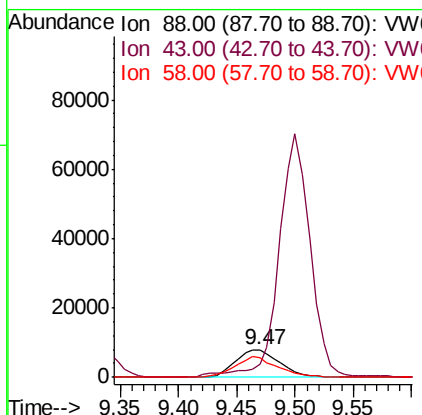
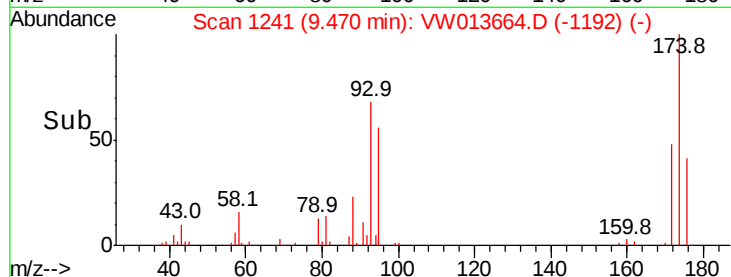
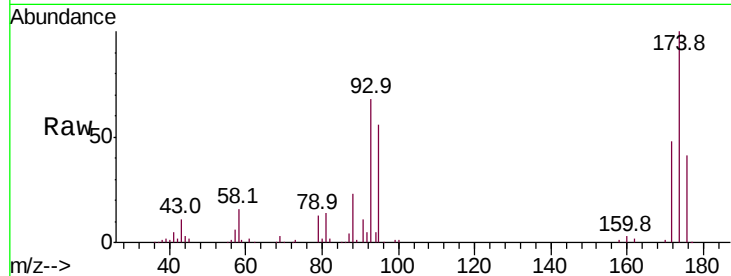




#49
1,4-Dioxane
Concen: 813.941 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

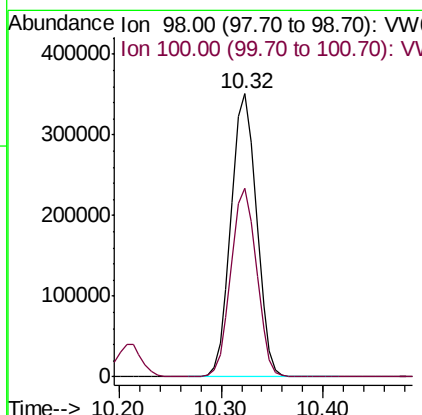
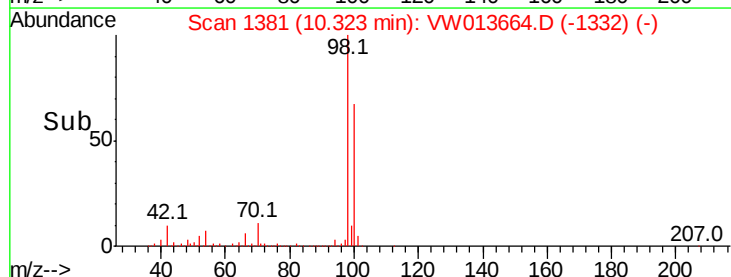
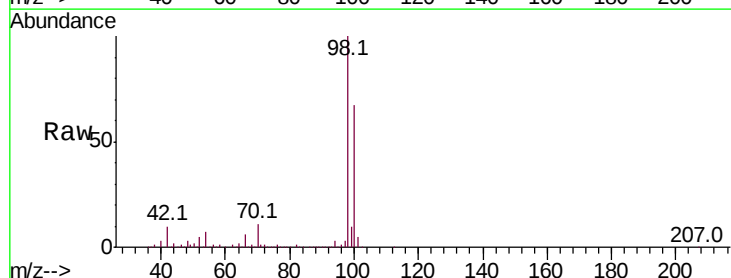
Instrument :
MSVOA_W
ClientSampleId :

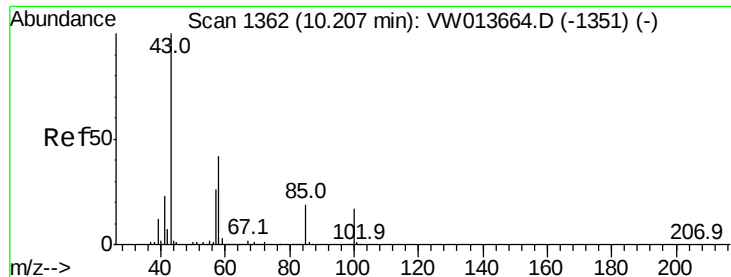
Tot Ion: 88 Resp: 20828
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 73.6 58.9 88.3



#50
Toluene-d8
Concen: 51.978 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 98 Resp: 609563
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 213.530 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

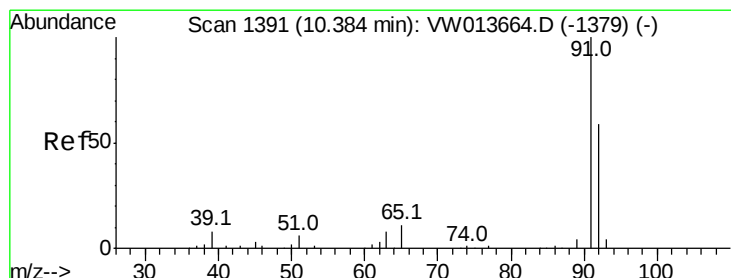
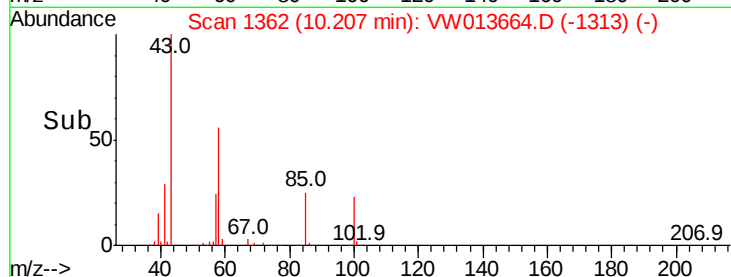
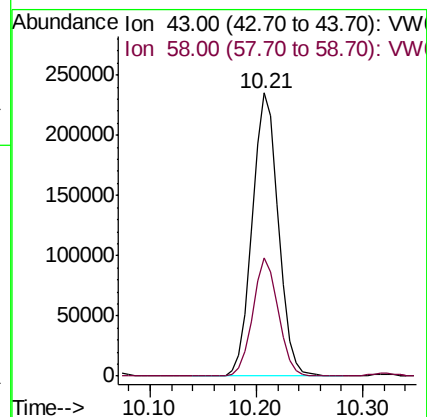
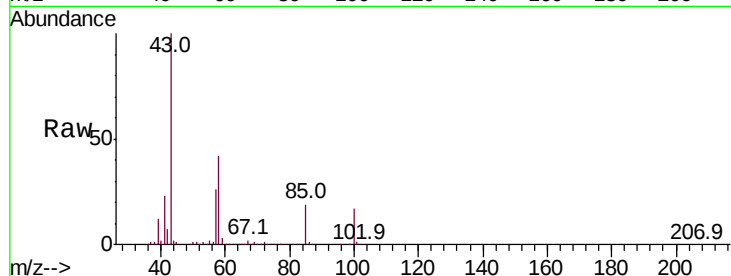
ClientSampled :

Tot Ion: 43 Resp: 404865

Ion Ratio Lower Upper

43 100

58 40.8 32.6 49.0



#52

Toluene

Concen: 52.223 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013664.D

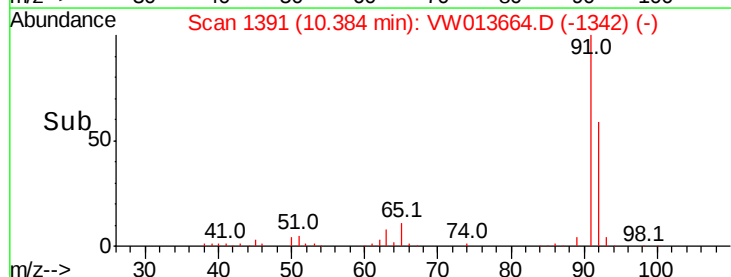
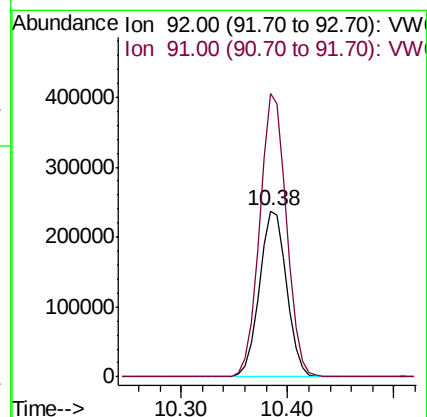
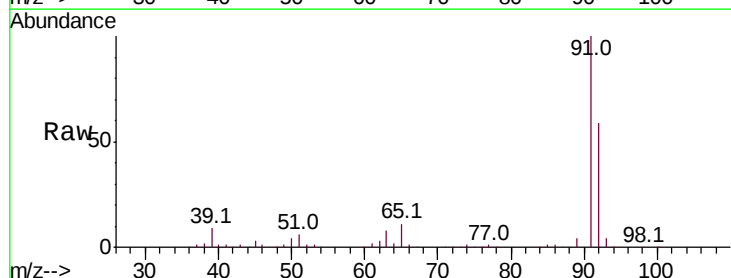
Acq: 23 Oct 2019 12:42

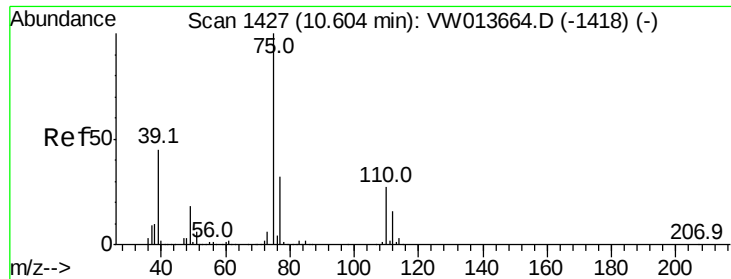
Tgt Ion: 92 Resp: 424096

Ion Ratio Lower Upper

92 100

91 168.1 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 51.744 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

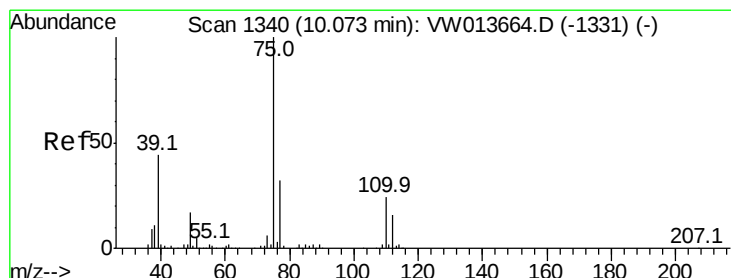
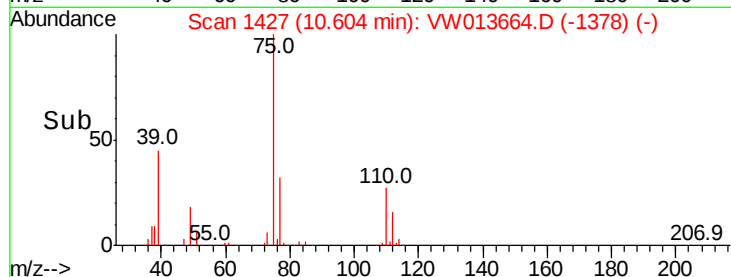
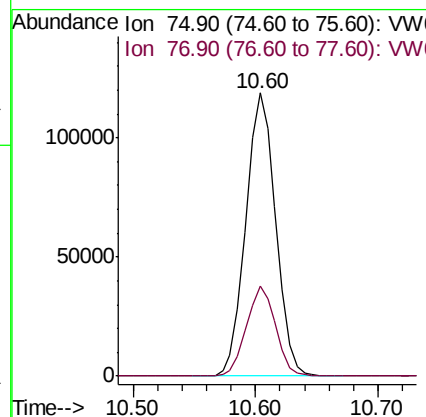
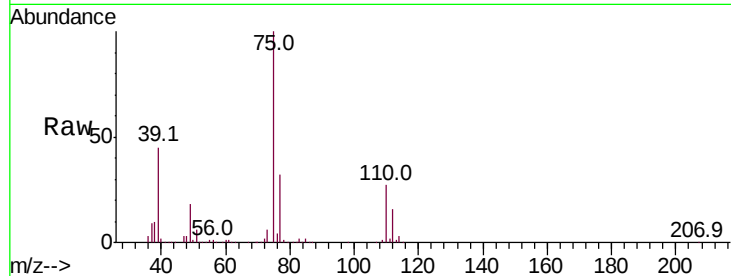
ClientSampleId :

Tot Ion: 75 Resp: 201415

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.425 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

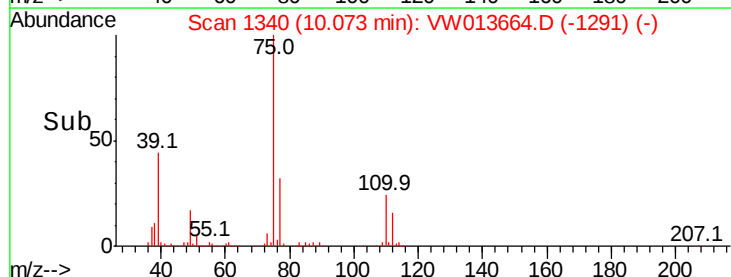
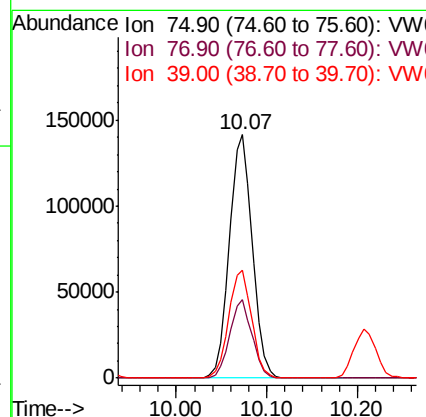
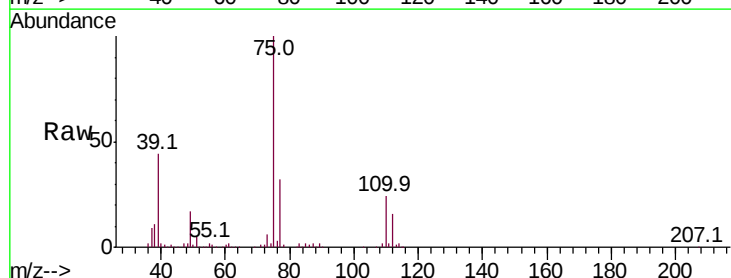
Tgt Ion: 75 Resp: 247979

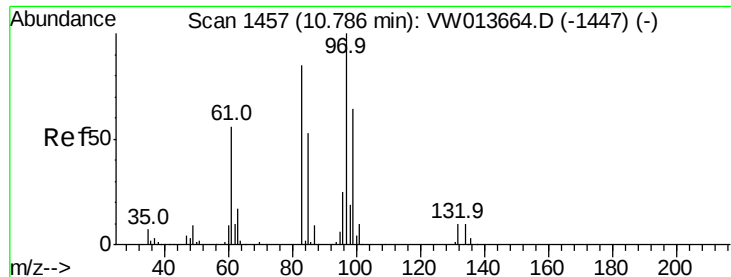
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 44.1 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 48.685 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 109558

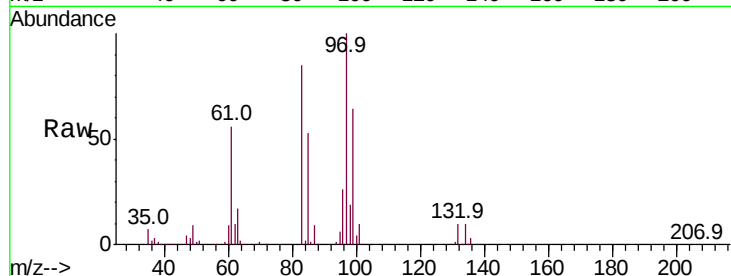
Ion Ratio Lower Upper

97 100

83 84.8 67.8 101.8

85 52.6 42.1 63.1

99 64.2 51.4 77.0

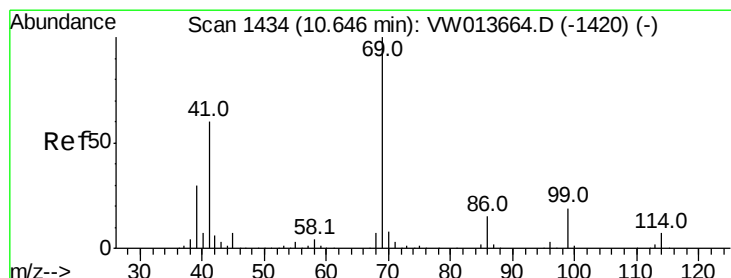
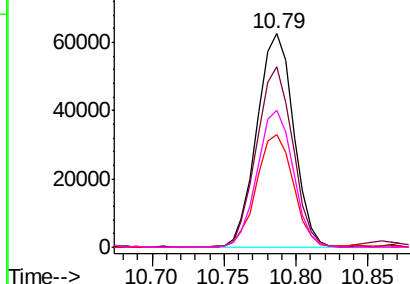
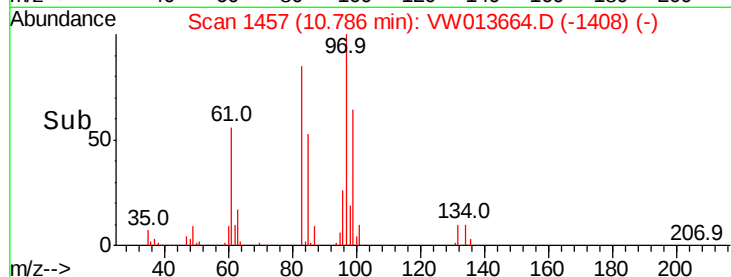


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 47.624 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

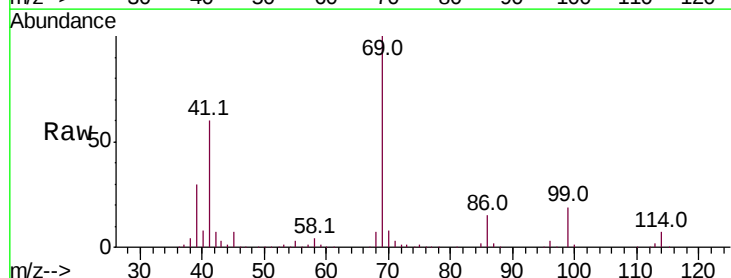
Tgt Ion: 69 Resp: 142521

Ion Ratio Lower Upper

69 100

41 64.5 51.6 77.4

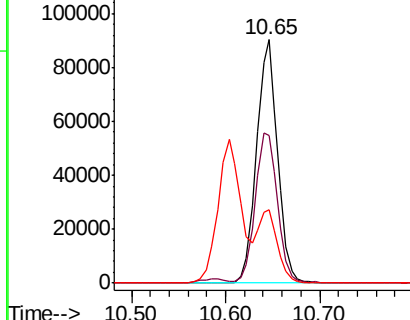
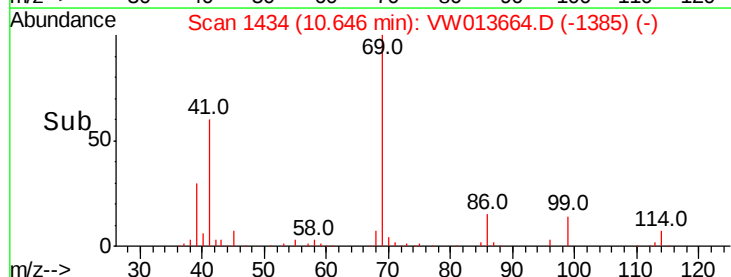
39 28.0 22.4 33.6

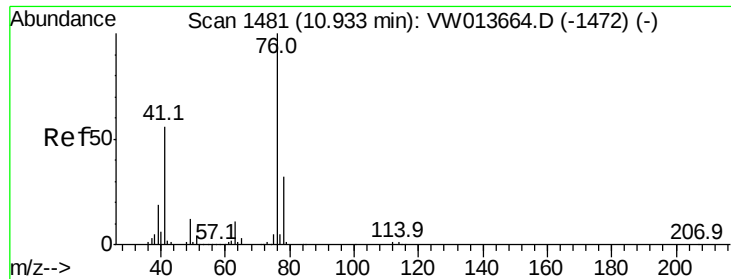


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 49.659 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

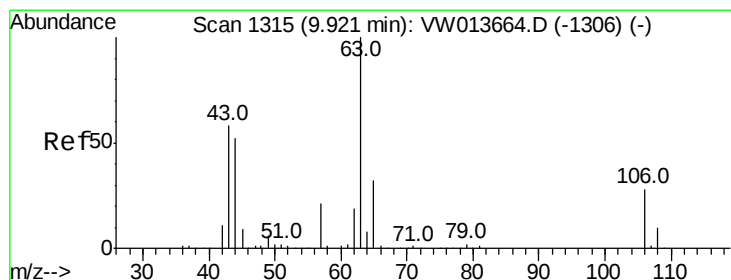
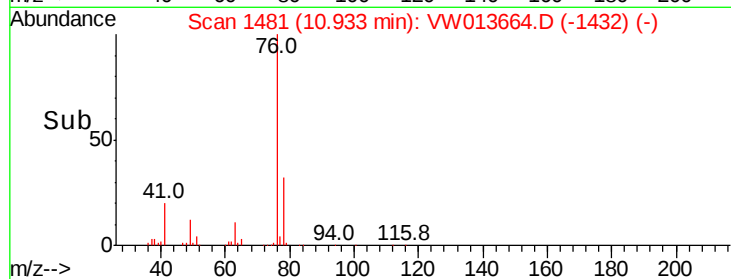
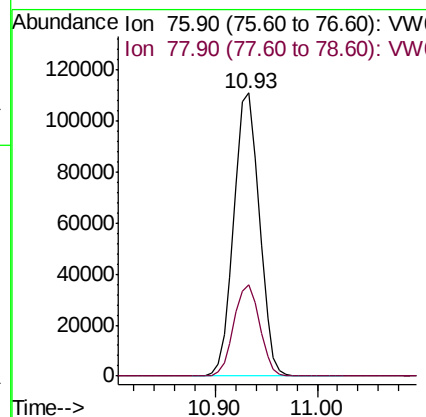
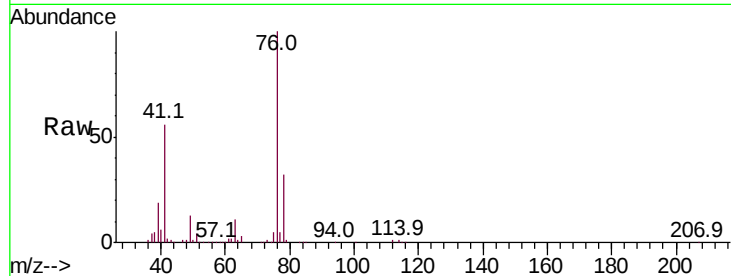
Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 192150

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



#58

2-Chloroethyl Vinyl ether

Concen: 240.431 ug/l

RT: 9.92 min Scan# 1315

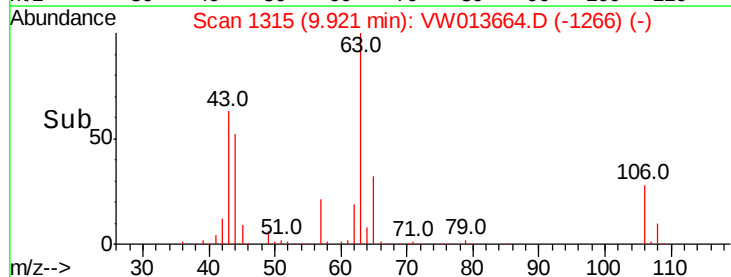
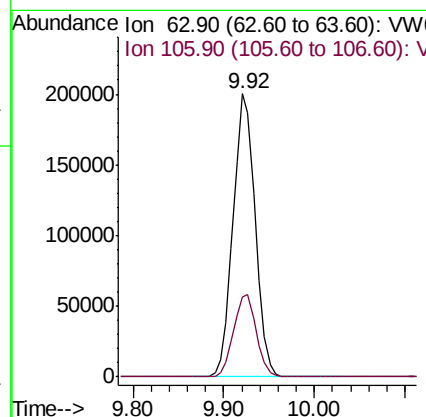
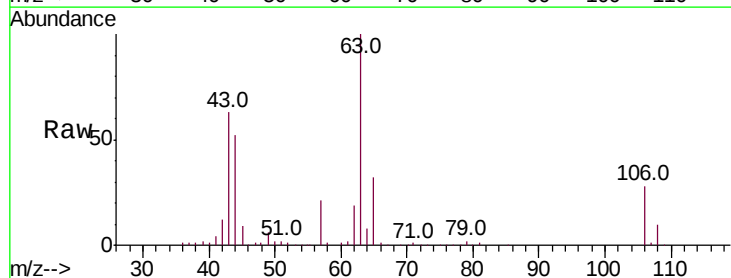
Delta R.T. 0.00 min

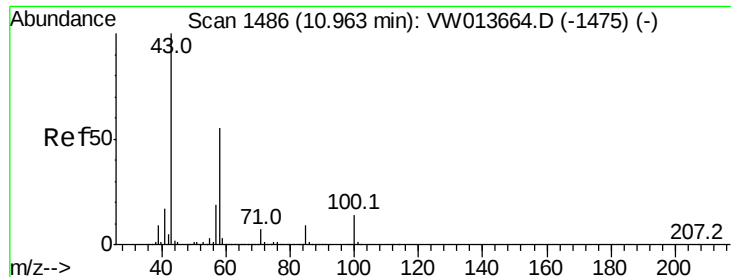
Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion: 63 Resp: 338327

Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.8	35.8

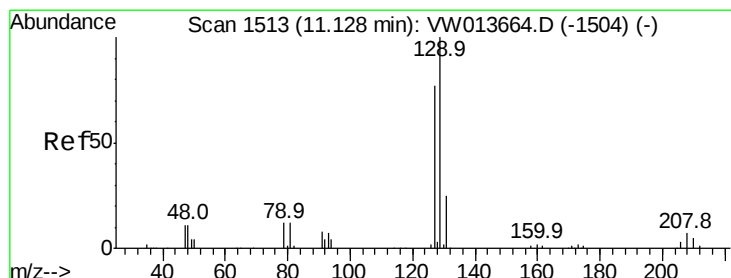
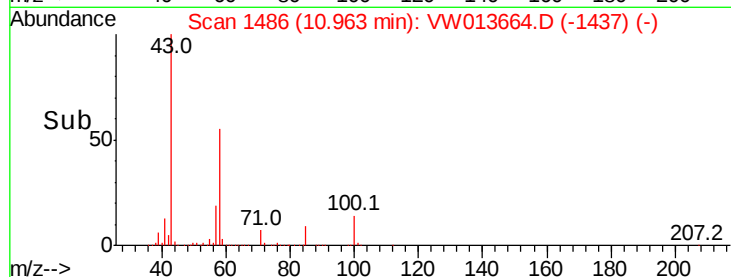
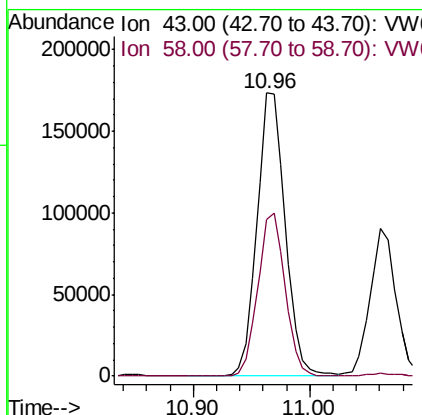
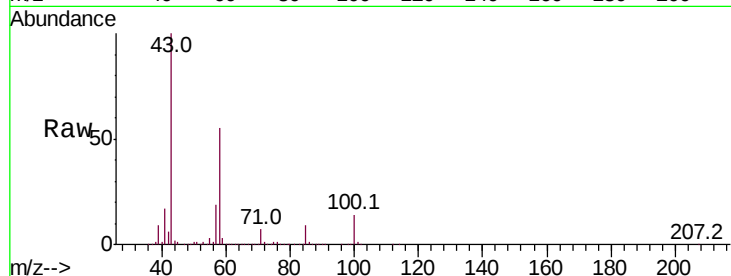




#59
2-Hexanone
Concen: 225.457 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

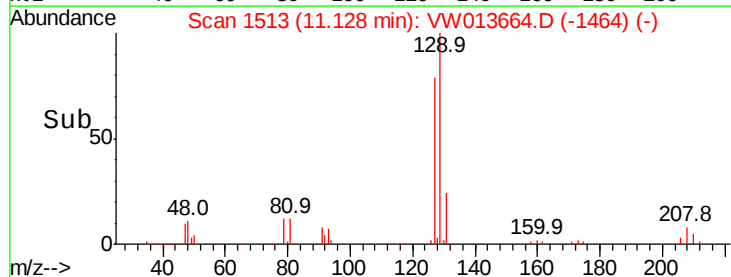
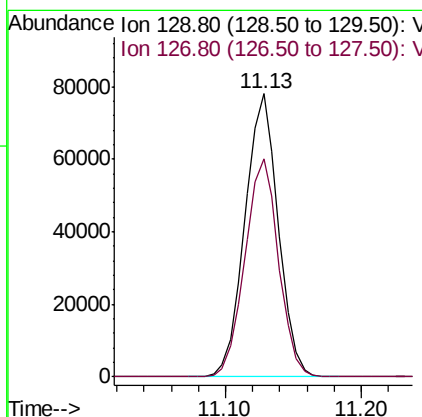
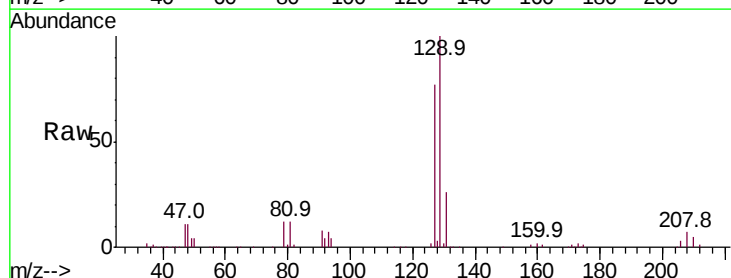
Instrument :
MSVOA_W
ClientSampleId :

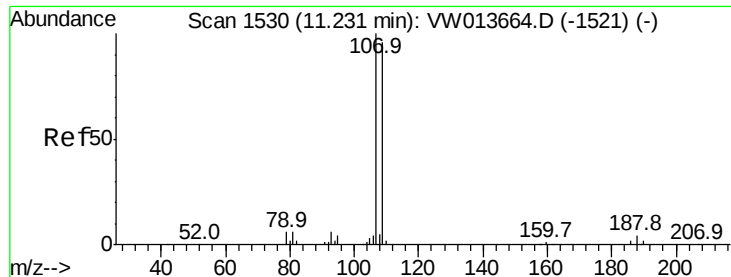
Tot Ion: 43 Resp: 292435
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.7



#60
Dibromochloromethane
Concen: 51.583 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 129 Resp: 133598
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7

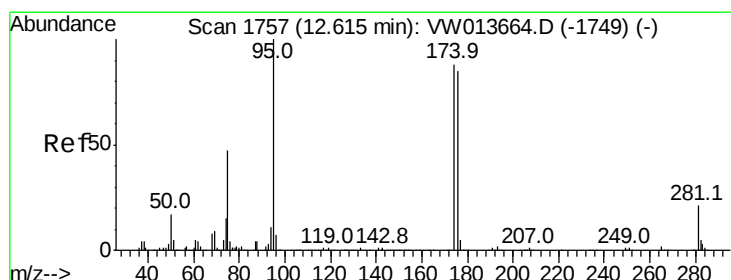
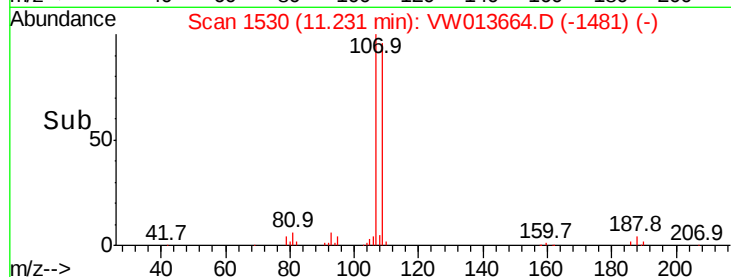
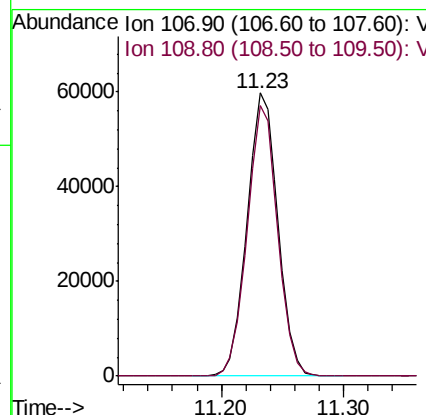
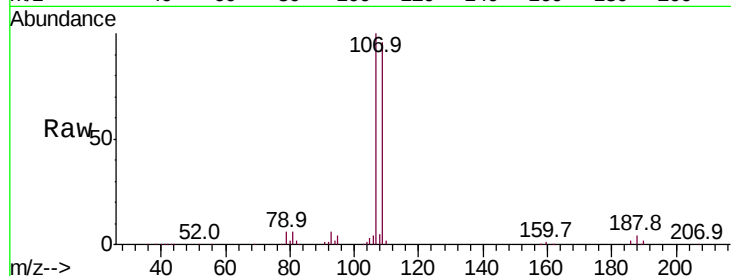




#61
1,2-Dibromoethane
Concen: 48.755 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

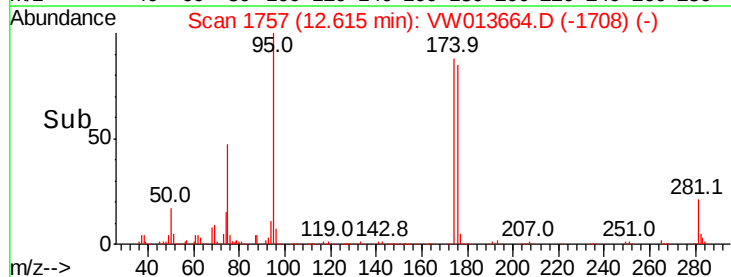
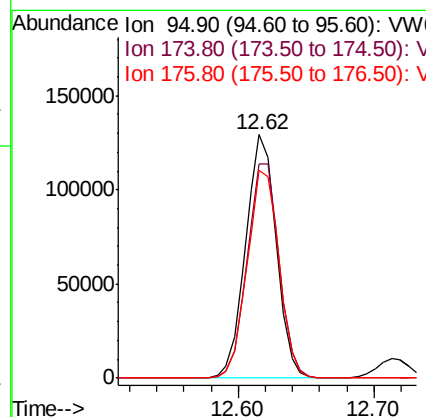
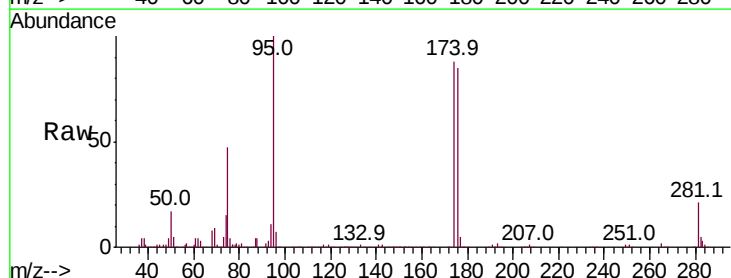
Instrument :
MSVOA_W
ClientSampleId :

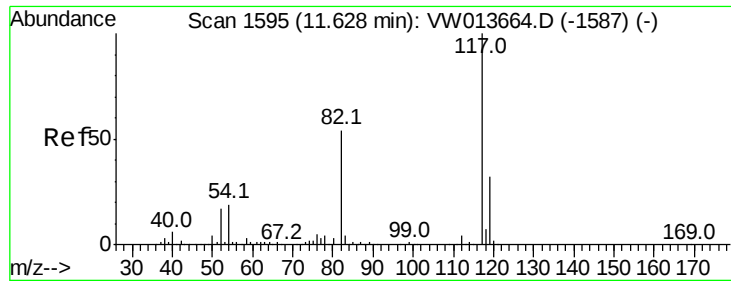
Tot Ion:107 Resp: 104427
Ion Ratio Lower Upper
107 100
109 94.6 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 51.715 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 95 Resp: 203687
Ion Ratio Lower Upper
95 100
174 91.8 0.0 183.6
176 89.0 0.0 178.0

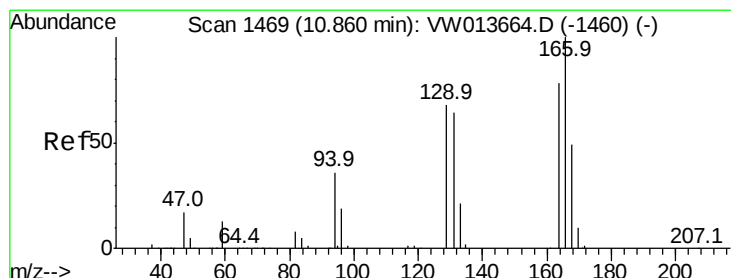
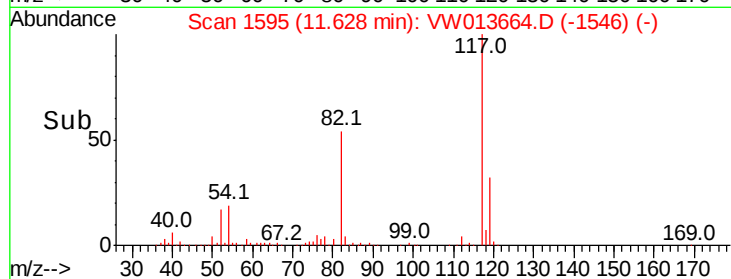
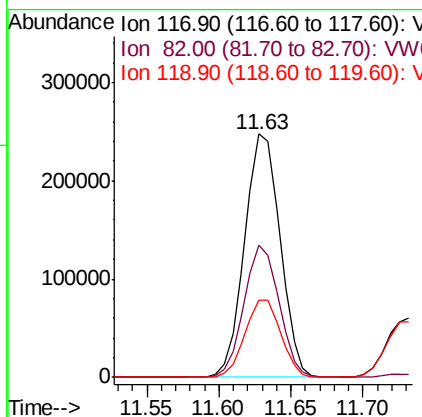
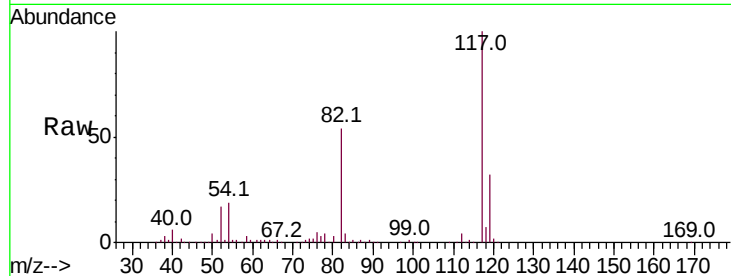




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

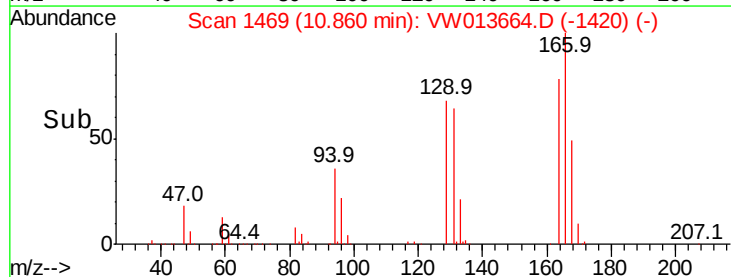
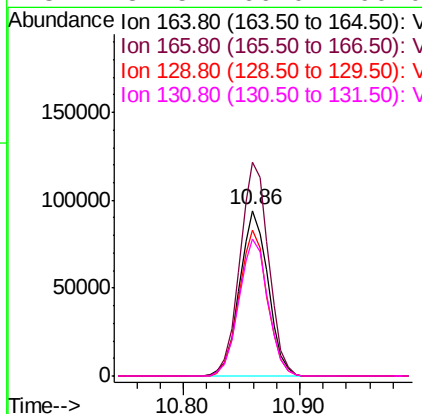
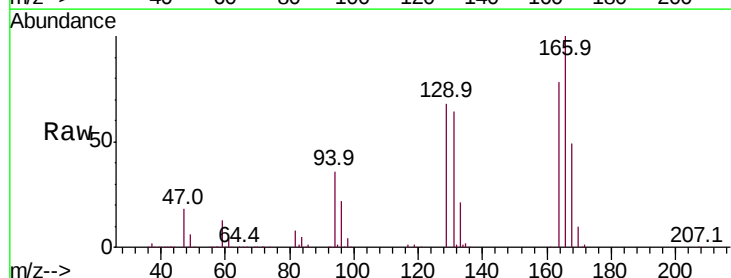
Instrument :
MSVOA_W
ClientSampleId :

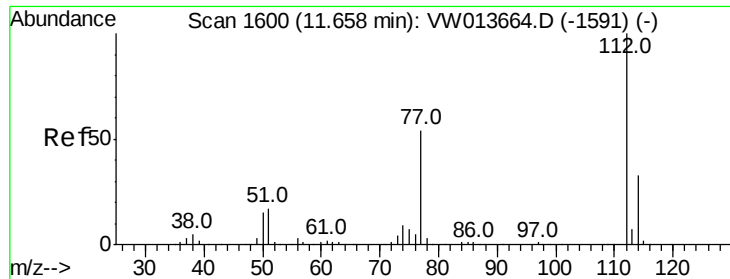
Tot Ion:117 Resp: 422294
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 51.109 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion:164 Resp: 159917
Ion Ratio Lower Upper
164 100
166 129.0 103.2 154.8
129 88.2 70.6 105.8
131 82.5 66.0 99.0

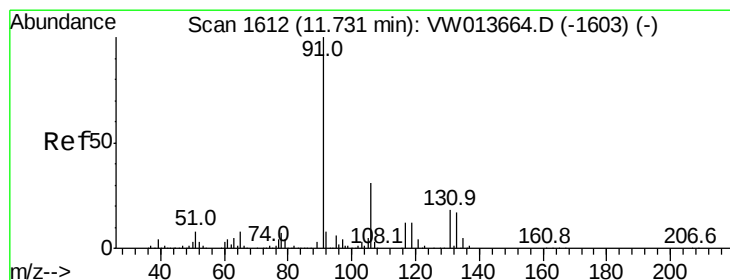
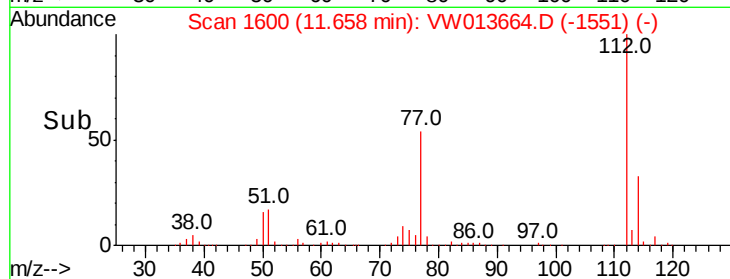
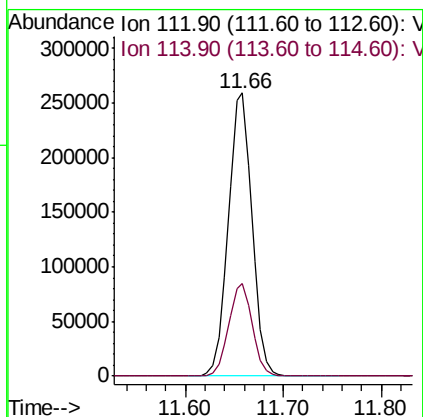
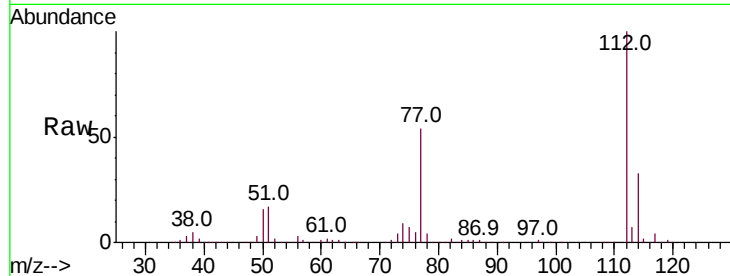




#65
Chlorobenzene
Concen: 51.295 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

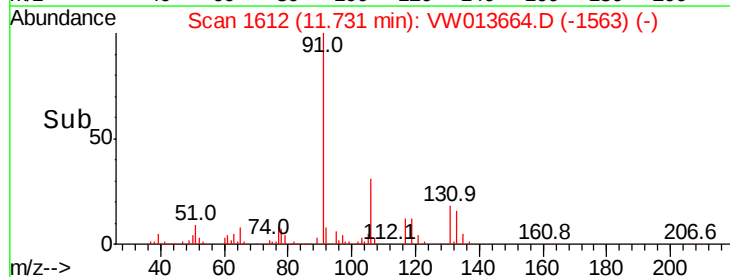
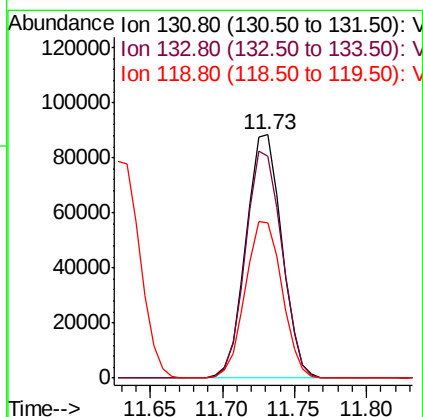
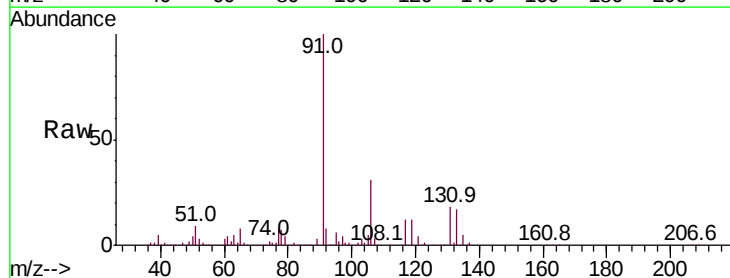
Instrument :
MSVOA_W
ClientSampleId :

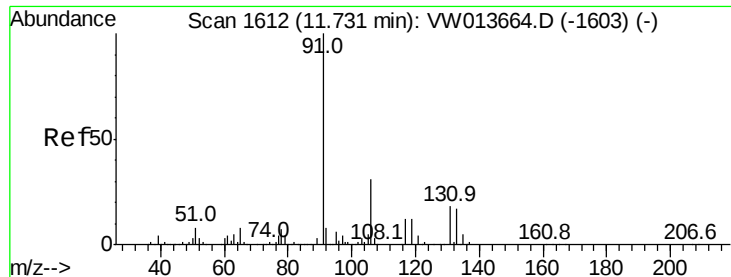
Tot Ion:112 Resp: 432793
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.886 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion:131 Resp: 152438
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 66.1 33.1 99.2

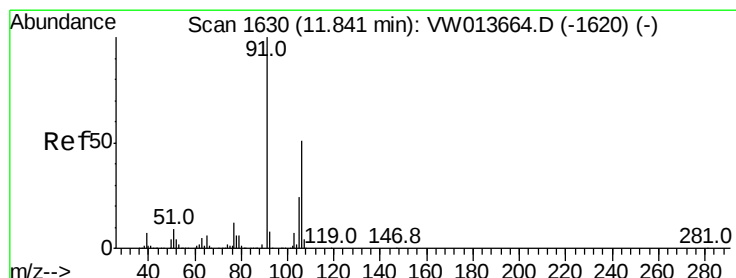
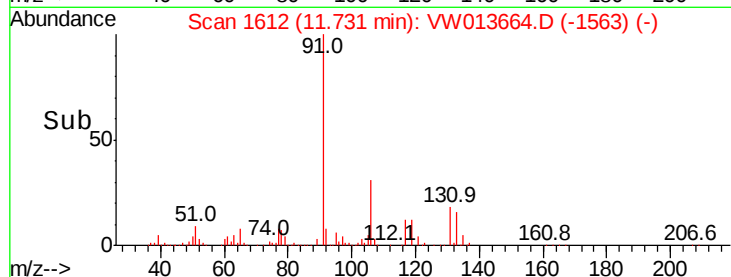
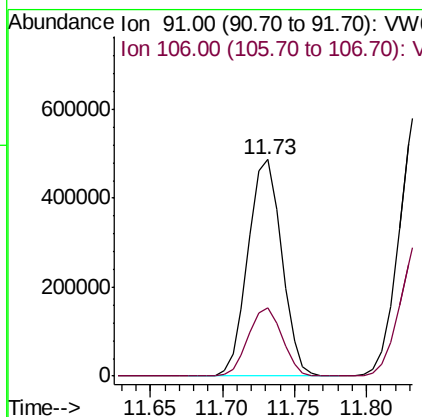
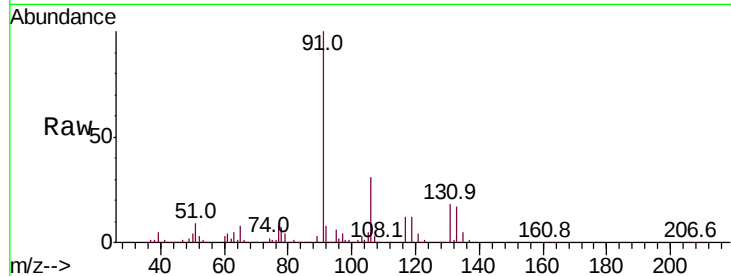




#67
Ethyl Benzene
Concen: 51.305 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

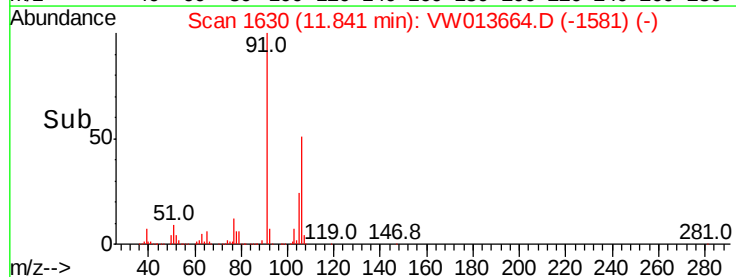
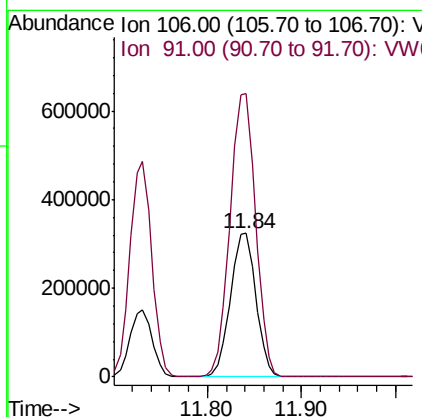
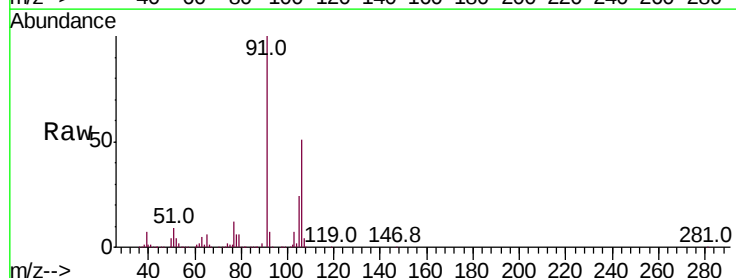
Instrument :
MSVOA_W
ClientSampleId :

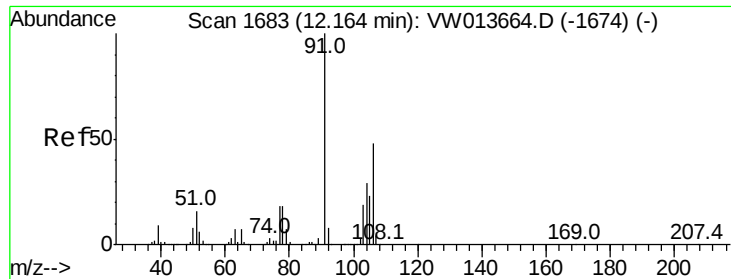
Tot Ion: 91 Resp: 791984
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 103.684 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 106 Resp: 608863
Ion Ratio Lower Upper
106 100
91 199.0 159.2 238.8

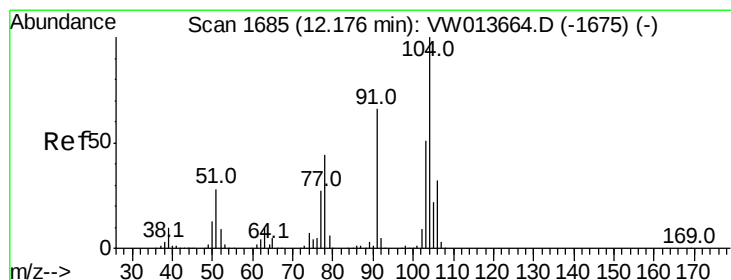
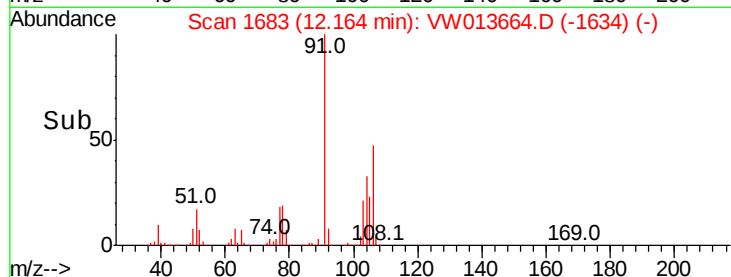
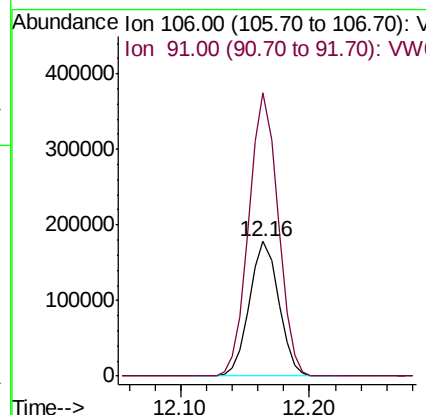
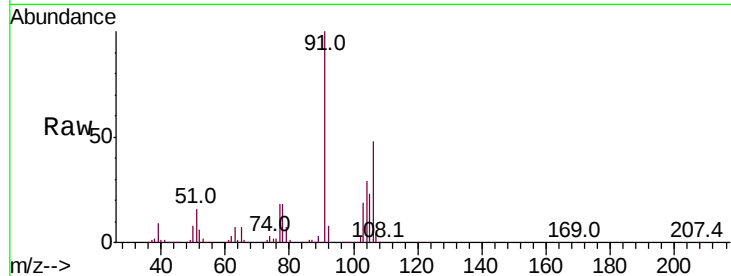




#69
o-Xylene
Concen: 51.599 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

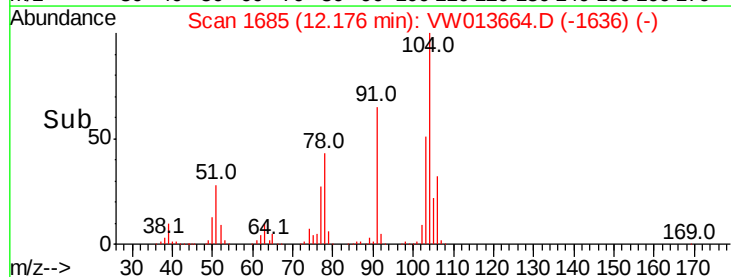
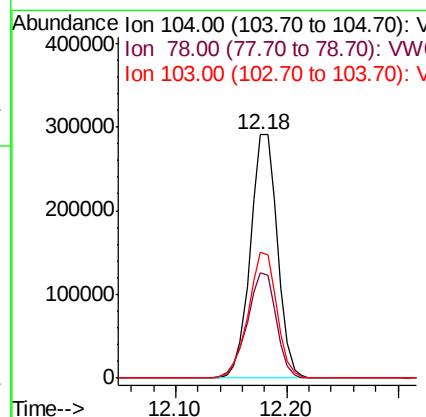
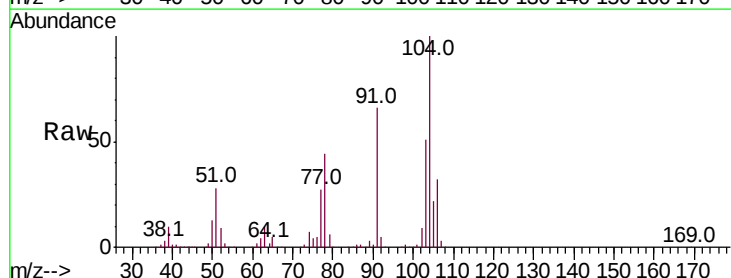
Instrument :
MSVOA_W
ClientSampleId :

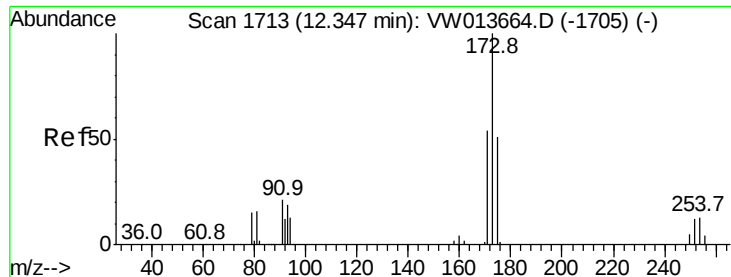
Tot Ion:106 Resp: 280465
Ion Ratio Lower Upper
106 100
91 209.8 104.9 314.7



#70
Styrene
Concen: 52.673 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion:104 Resp: 491295
Ion Ratio Lower Upper
104 100
78 46.4 37.1 55.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 49.328 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

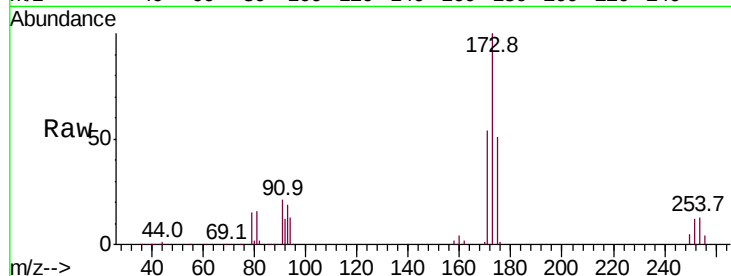
Tot Ion:173 Resp: 78833

Ion Ratio Lower Upper

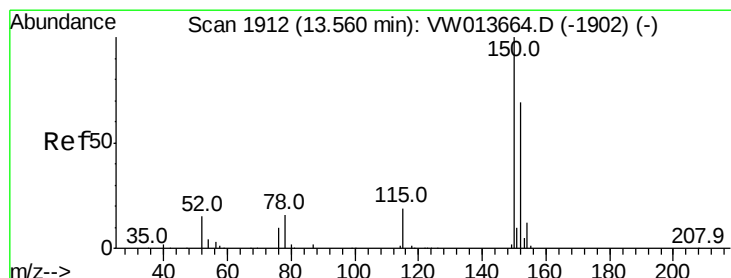
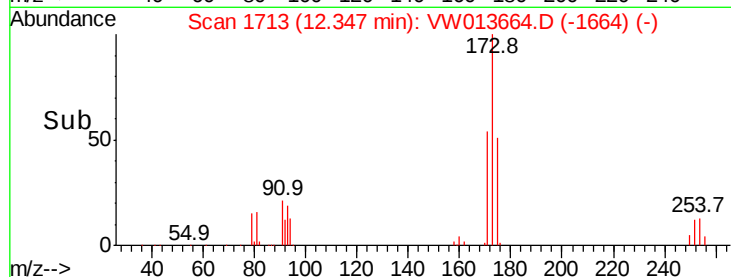
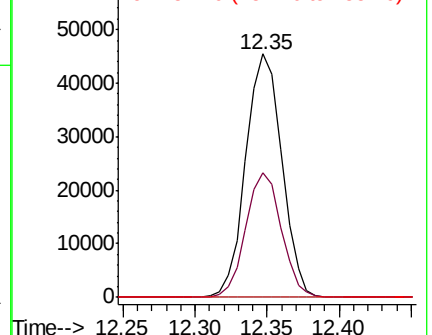
173 100

175 50.4 25.2 75.6

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: VW013664.D

Acq: 23 Oct 2019 12:42

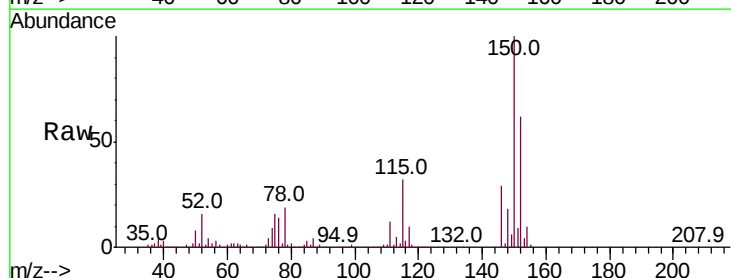
Tgt Ion:152 Resp: 216235

Ion Ratio Lower Upper

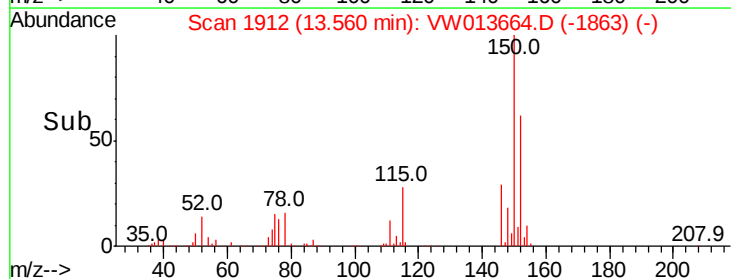
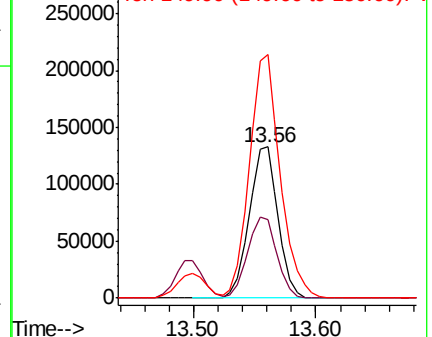
152 100

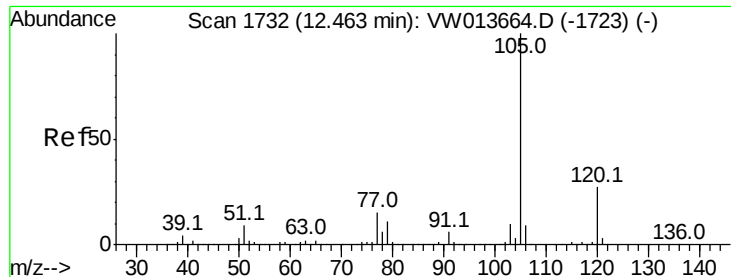
115 54.8 27.4 82.2

150 172.7 0.0 345.4



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: 50.311 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

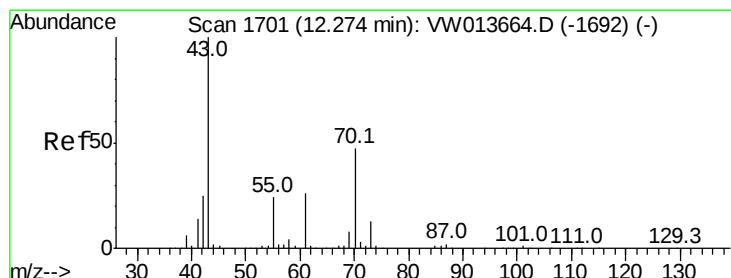
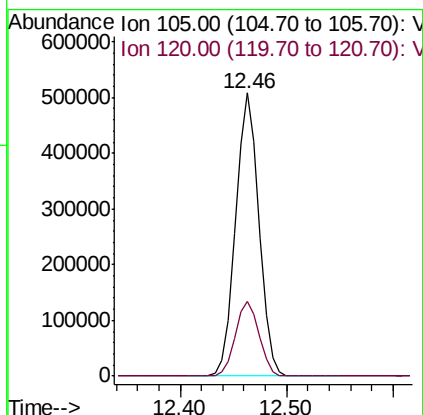
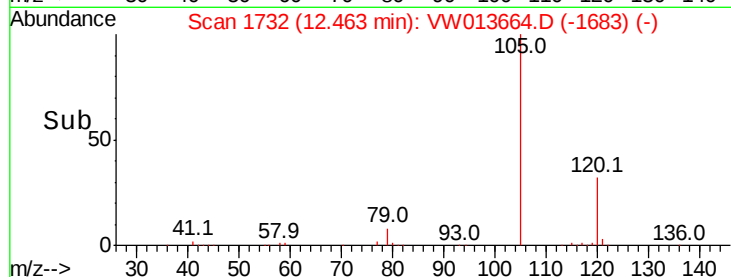
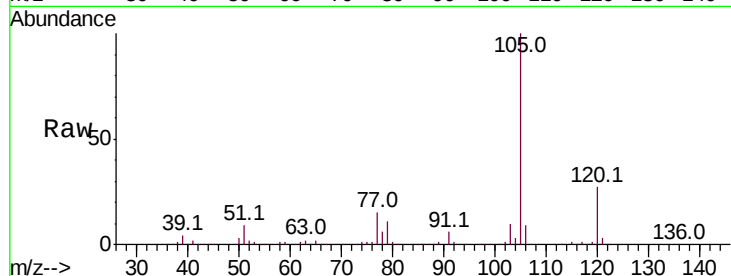
ClientSampleId :

Tot Ion: 105 Resp: 780849

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#74

N-ethyl acetate

Concen: 44.738 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Tgt Ion: 43 Resp: 149091

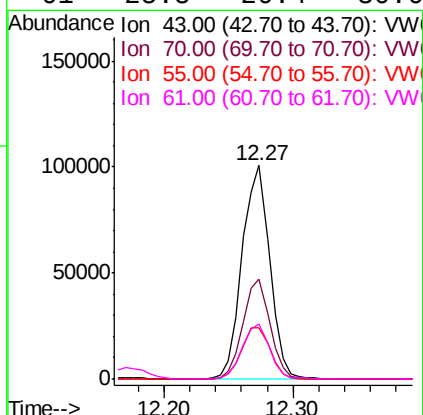
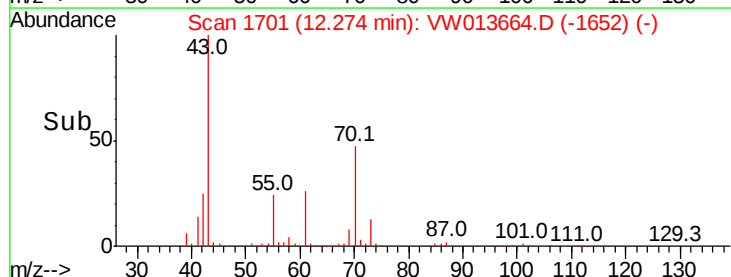
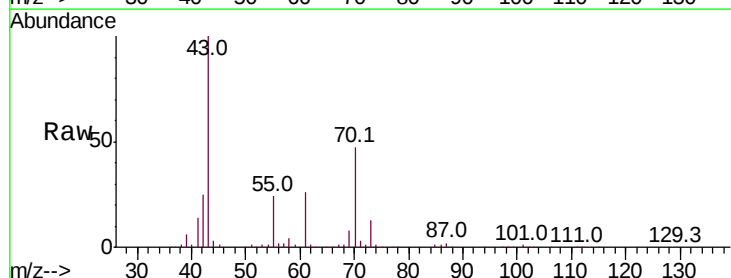
Ion Ratio Lower Upper

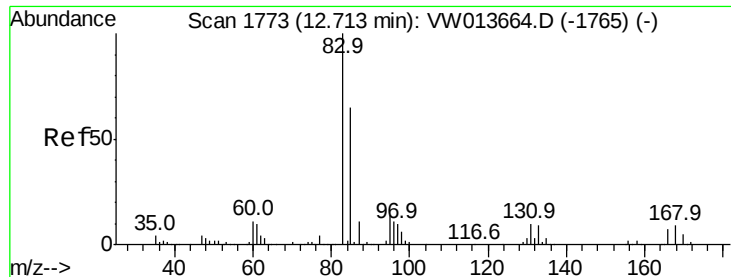
43 100

70 45.8 36.6 55.0

55 25.4 20.3 30.5

61 25.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.945 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

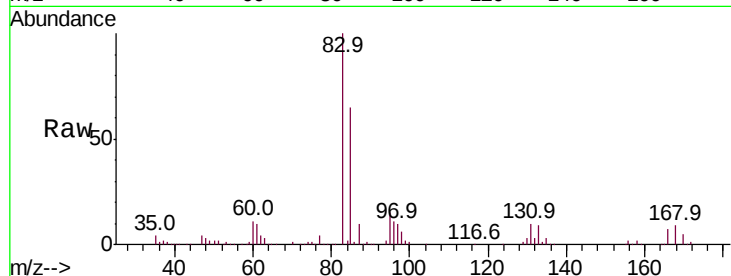
Tot Ion: 83 Resp: 117481

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

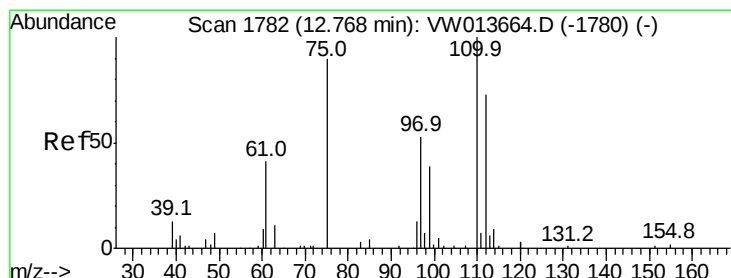
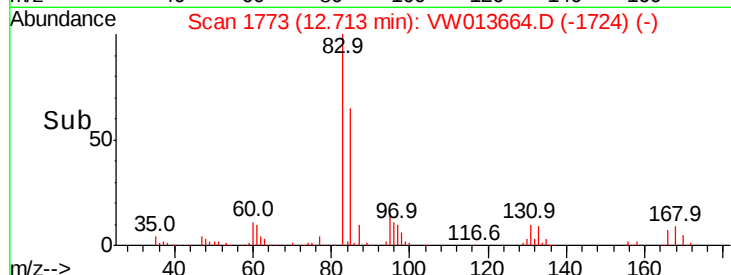
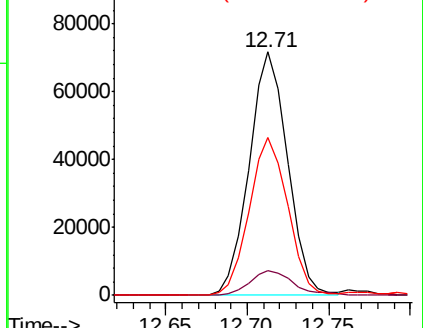
85 64.9 32.5 97.4



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: 85.720 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013664.D

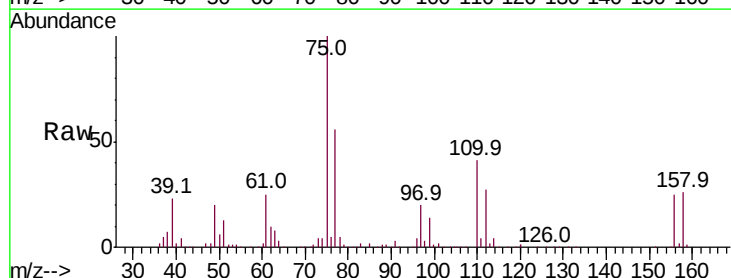
Acq: 23 Oct 2019 12:42

Tgt Ion: 75 Resp: 152286

Ion Ratio Lower Upper

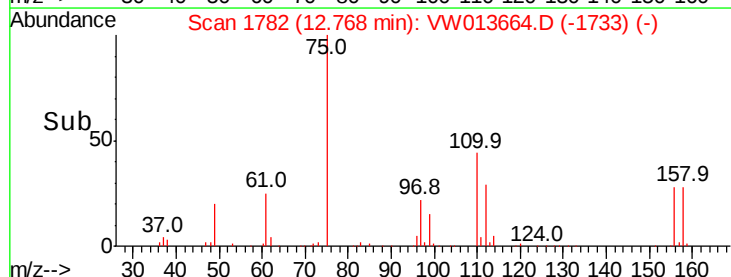
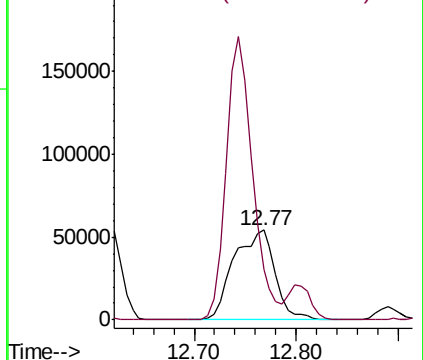
75 100

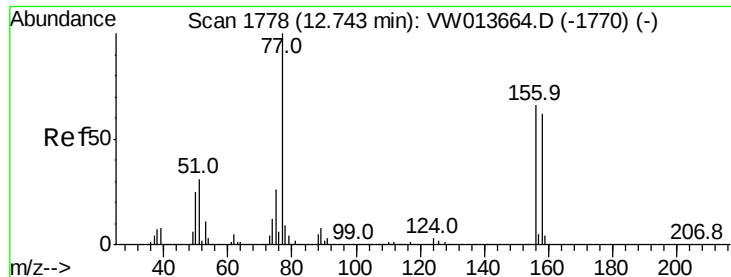
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.072 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

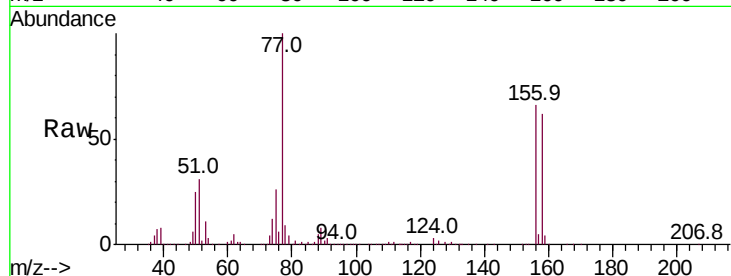
Tot Ion:156 Resp: 184800

Ion Ratio Lower Upper

156 100

77 165.8 82.9 248.7

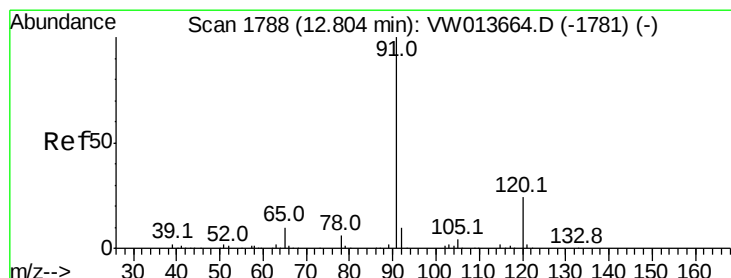
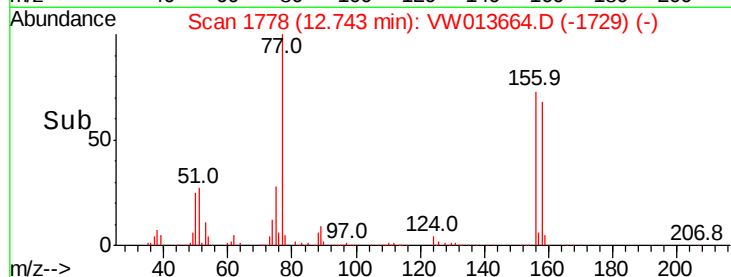
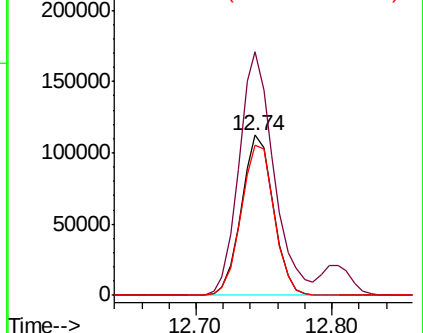
158 96.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.496 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013664.D

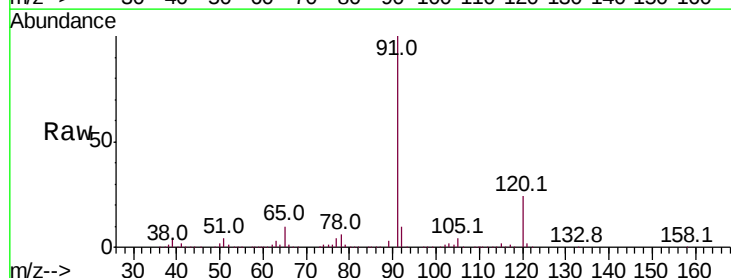
Acq: 23 Oct 2019 12:42

Tgt Ion: 91 Resp: 906649

Ion Ratio Lower Upper

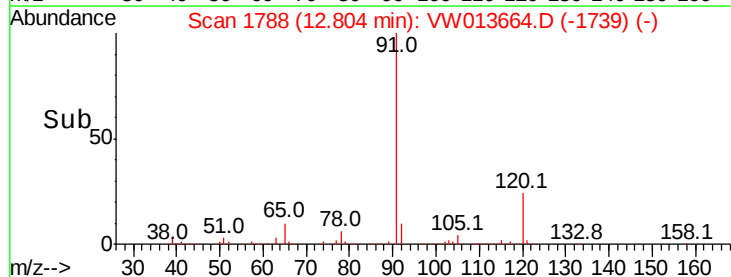
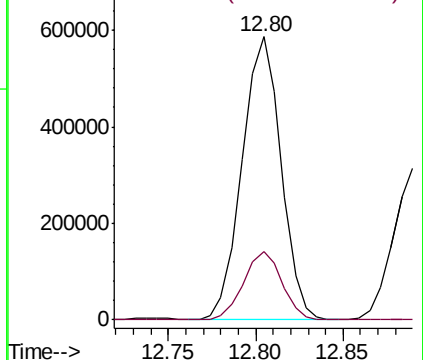
91 100

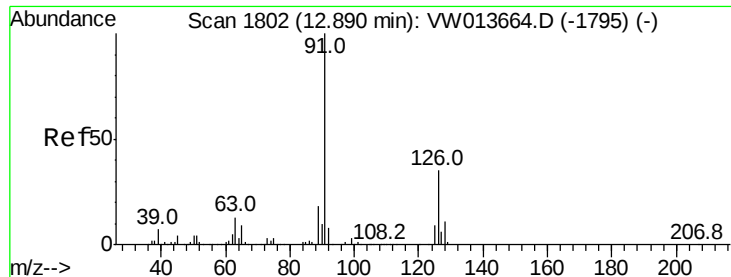
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.248 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

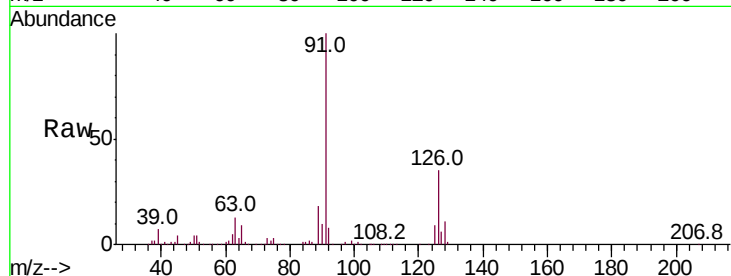
ClientSampleId :

Tot Ion: 91 Resp: 506373

Ion Ratio Lower Upper

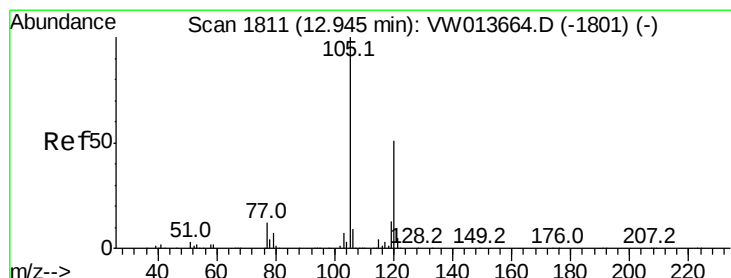
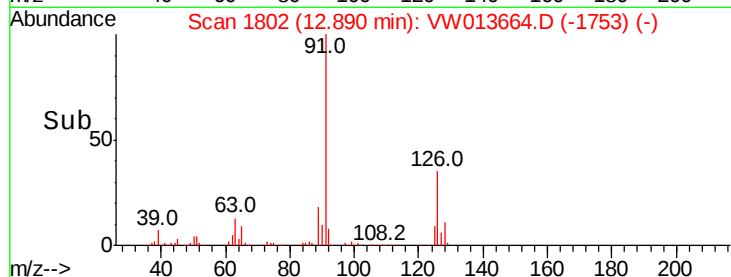
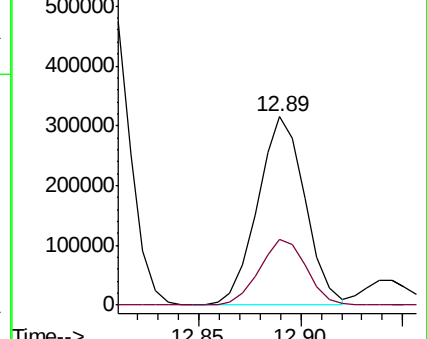
91 100

126 34.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.466 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013664.D

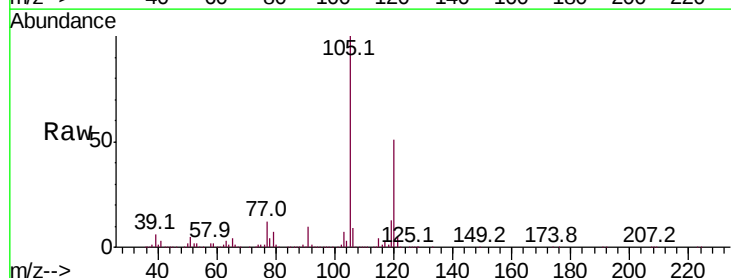
Acq: 23 Oct 2019 12:42

Tgt Ion:105 Resp: 666918

Ion Ratio Lower Upper

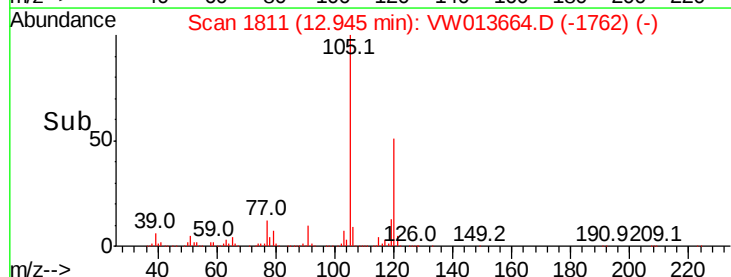
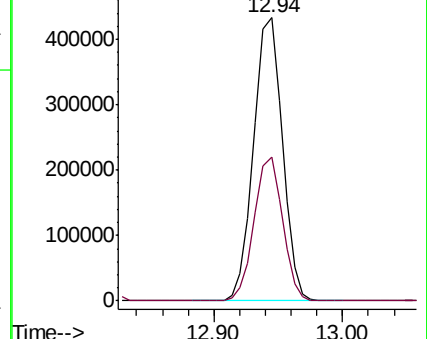
105 100

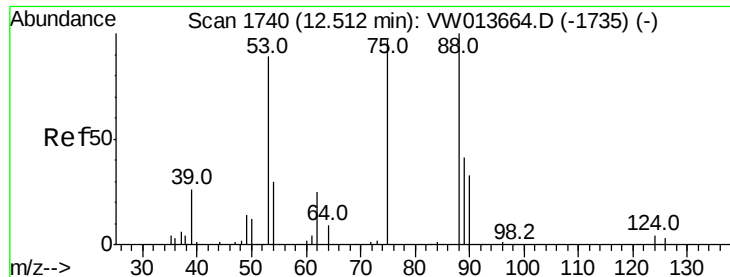
120 50.2 25.1 75.3



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: 45.906 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

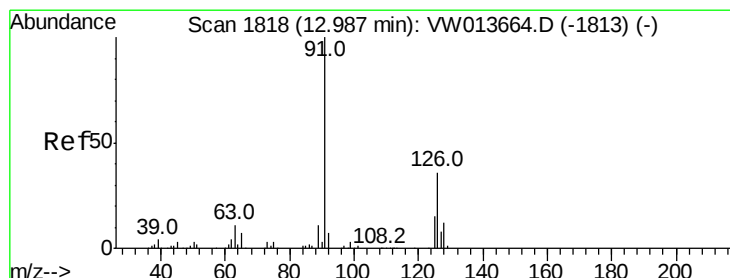
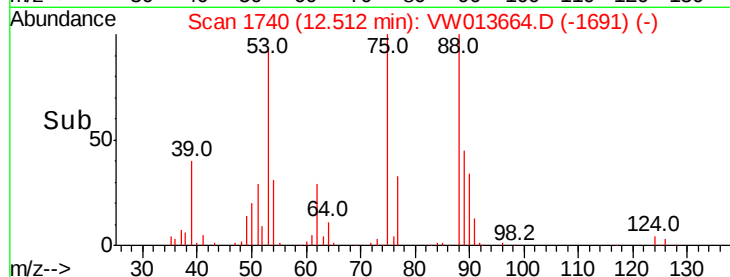
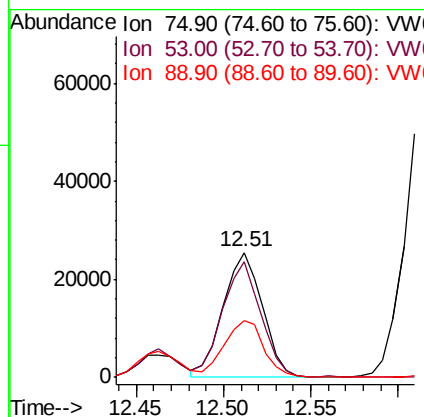
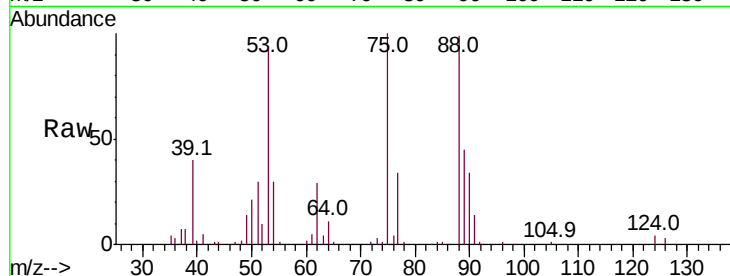
Tot Ion: 75 Resp: 40020

Ion Ratio Lower Upper

75 100

53 89.6 71.7 107.5

89 44.8 35.8 53.8



#82

4-Chlorotoluene

Concen: 51.096 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013664.D

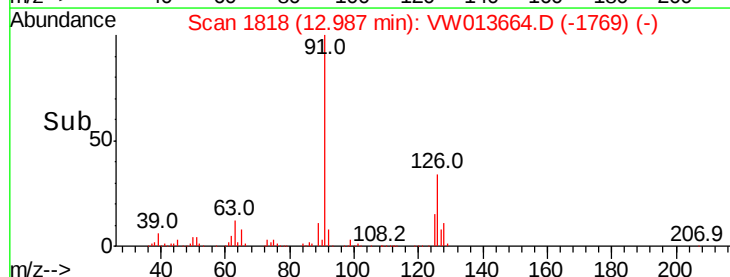
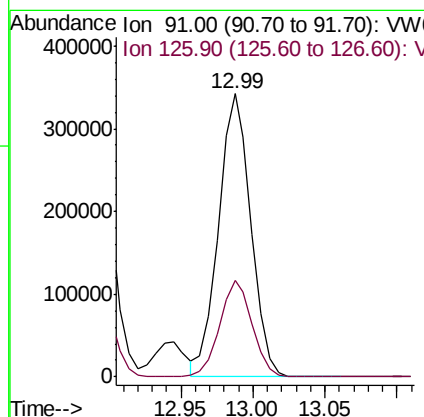
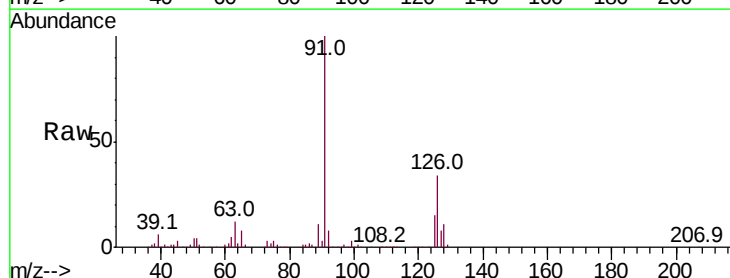
Acq: 23 Oct 2019 12:42

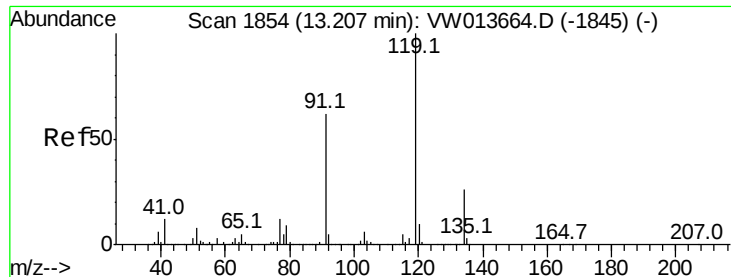
Tgt Ion: 91 Resp: 535692

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.5

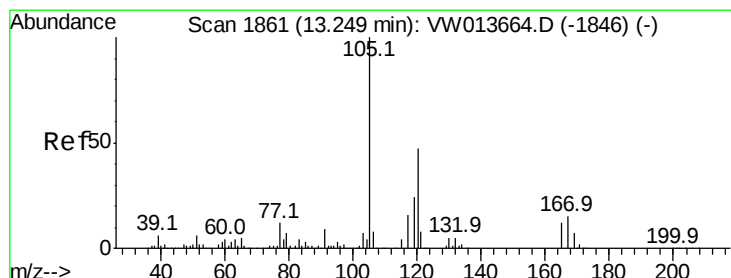
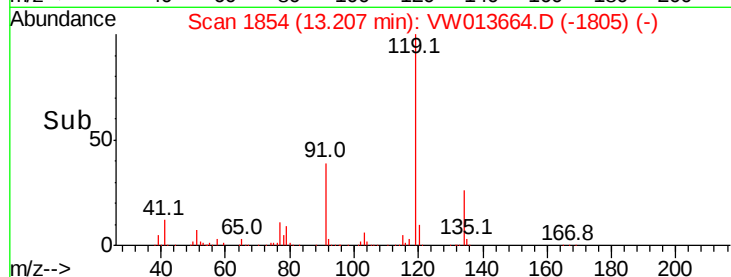
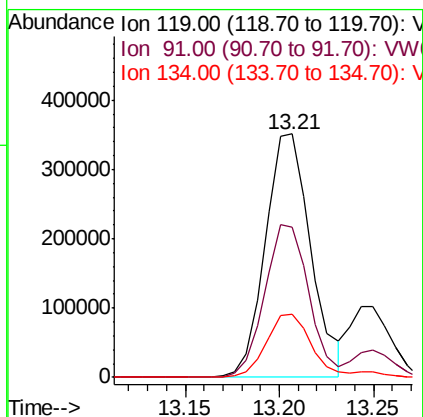
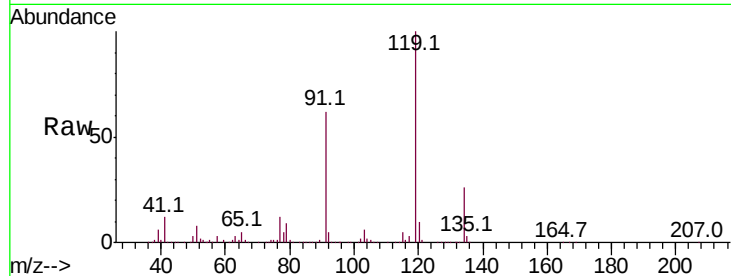




#83
tert-Butylbenzene
Concen: 51.134 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

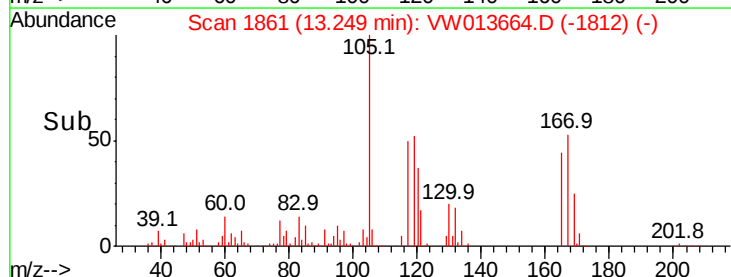
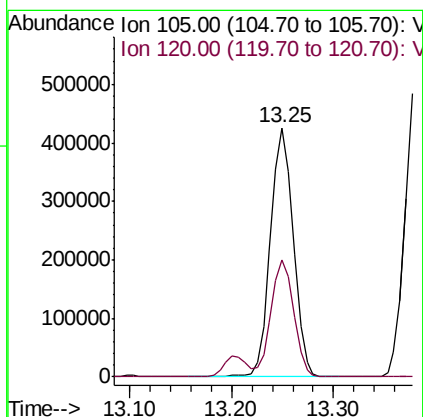
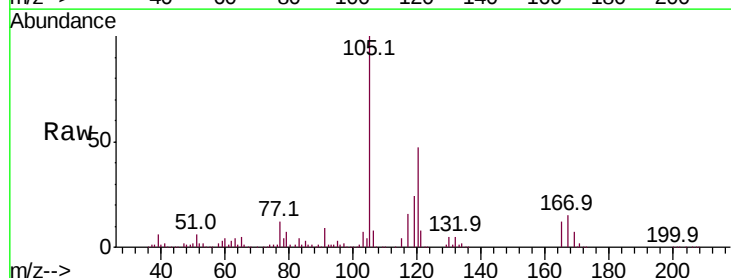
Instrument :
MSVOA_W
ClientSampleId :

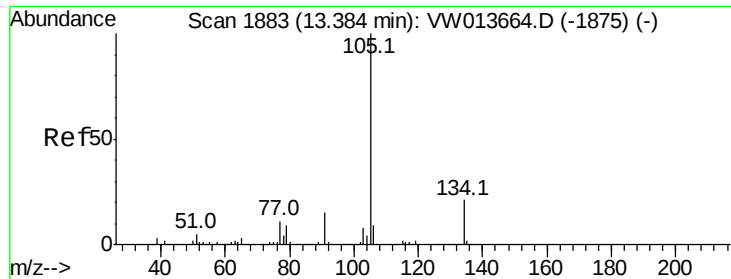
Tot Ion:119 Resp: 588392
Ion Ratio Lower Upper
119 100
91 60.9 30.4 91.3
134 27.2 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 51.352 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion:105 Resp: 658136
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.5





#85

sec-Butylbenzene

Concen: 50.605 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

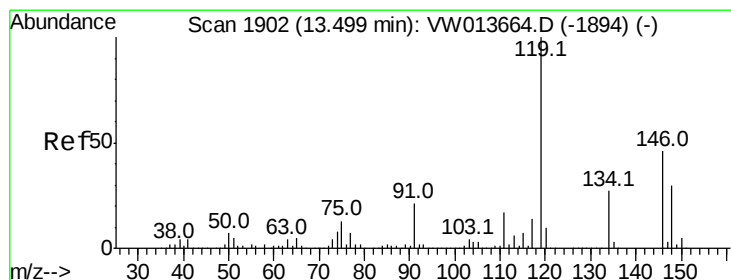
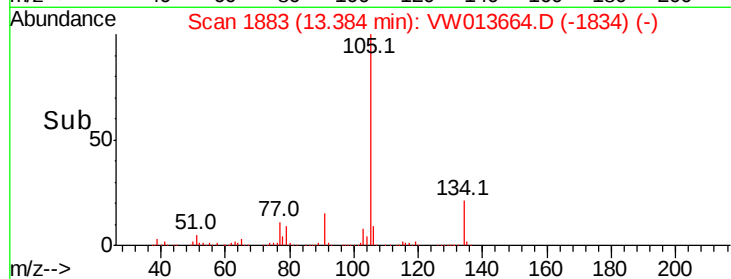
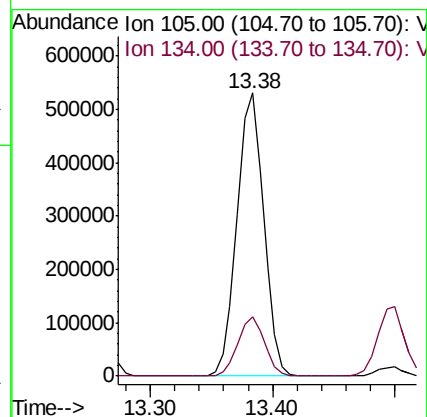
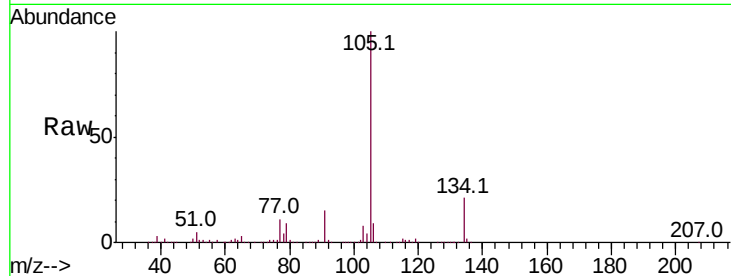
ClientSampleId :

Tot Ion:105 Resp: 801550

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.5



#86

p-Isopropyltoluene

Concen: 51.367 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

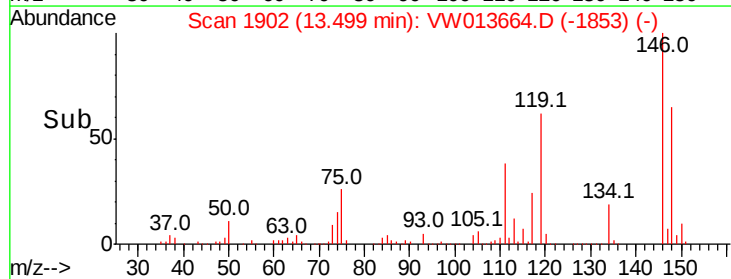
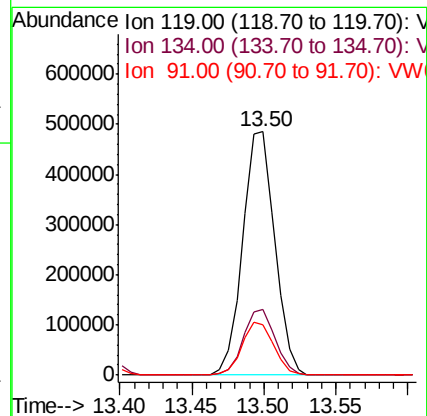
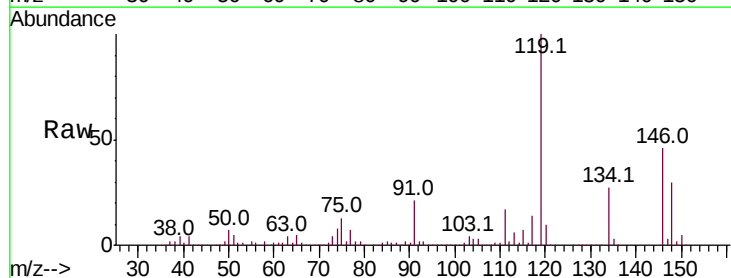
Tgt Ion:119 Resp: 749417

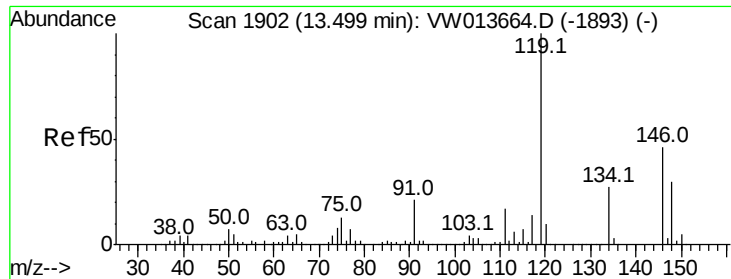
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.5 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 51.345 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

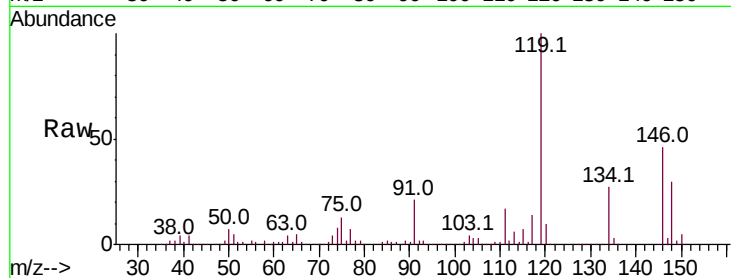
Tot Ion:146 Resp: 360240

Ion Ratio Lower Upper

146 100

111 37.3 18.6 56.0

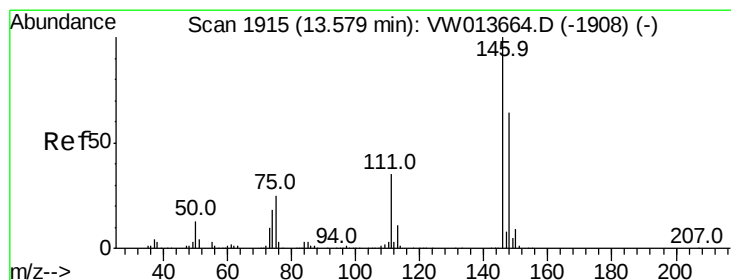
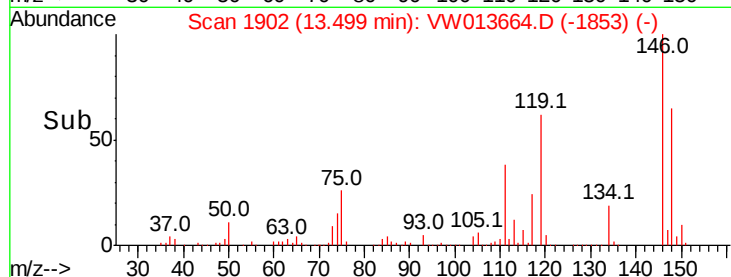
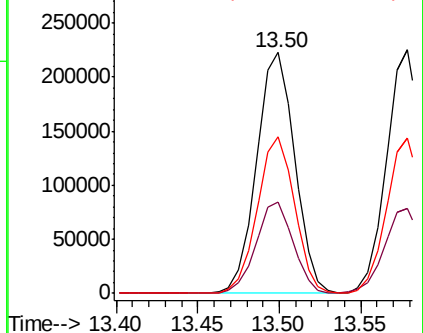
148 63.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.172 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013664.D

Acq: 23 Oct 2019 12:42

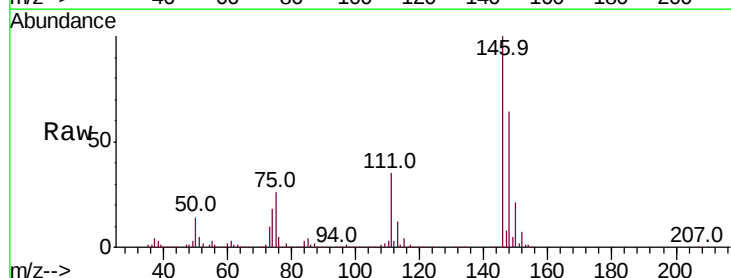
Tgt Ion:146 Resp: 351860

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.3

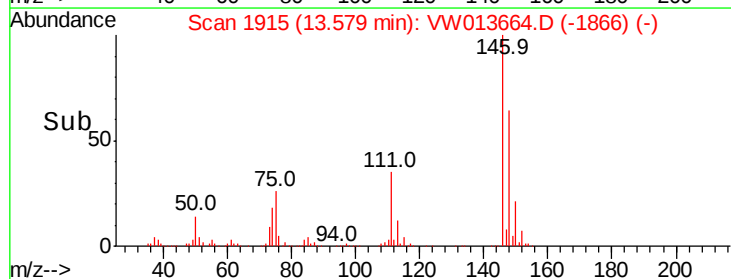
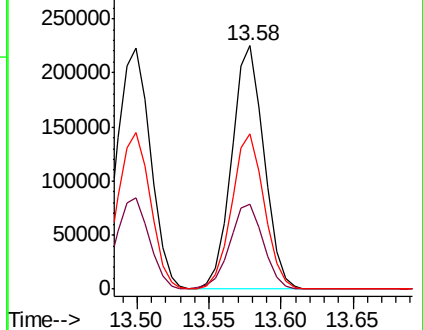
148 64.1 32.0 96.2

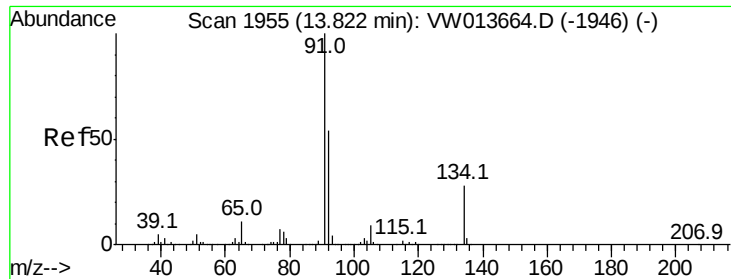


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

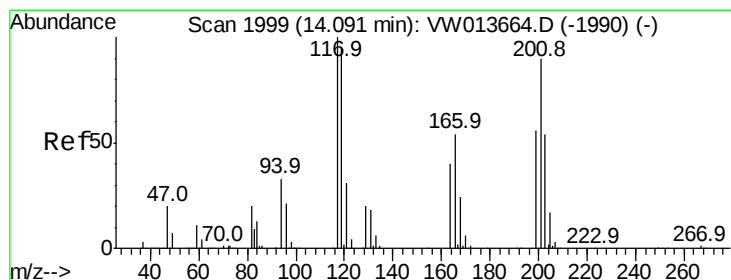
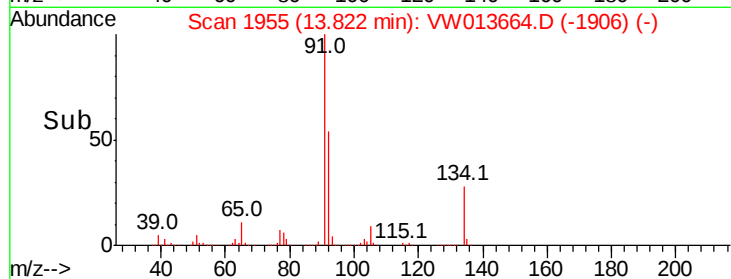
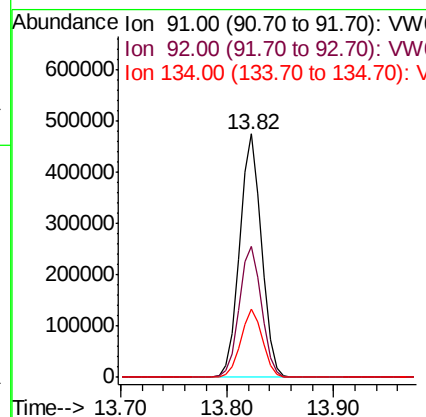
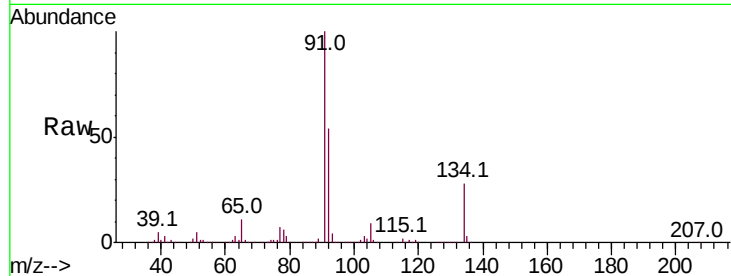




#89
n-Butylbenzene
Concen: 51.996 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

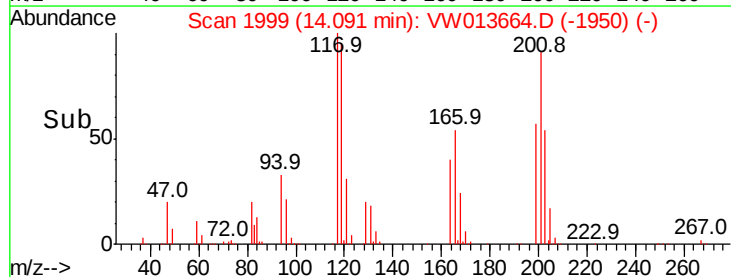
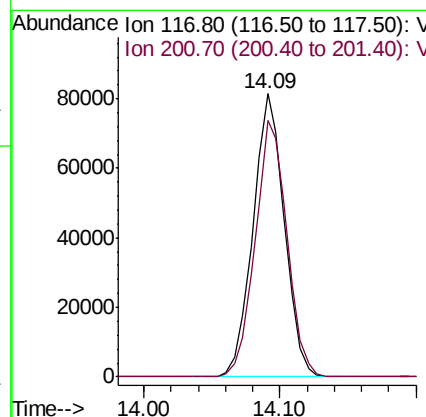
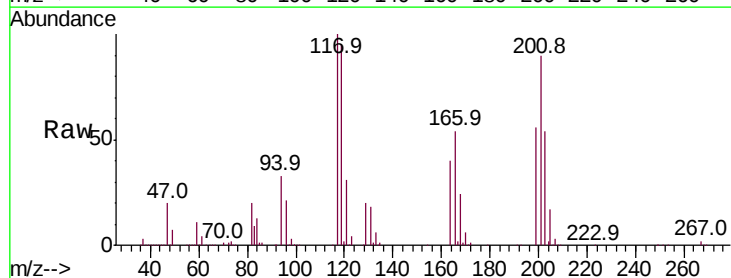
Instrument :
MSVOA_W
ClientSampled :

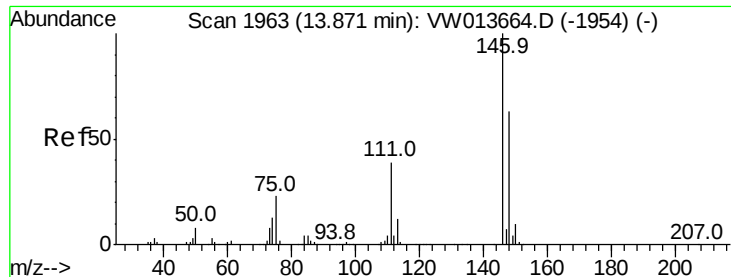
Tot Ion: 91 Resp: 684996
Ion Ratio Lower Upper
91 100
92 54.9 27.5 82.4
134 27.9 14.0 41.9



#90
Hexachloroethane
Concen: 52.228 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion: 117 Resp: 131254
Ion Ratio Lower Upper
117 100
201 92.1 46.1 138.2

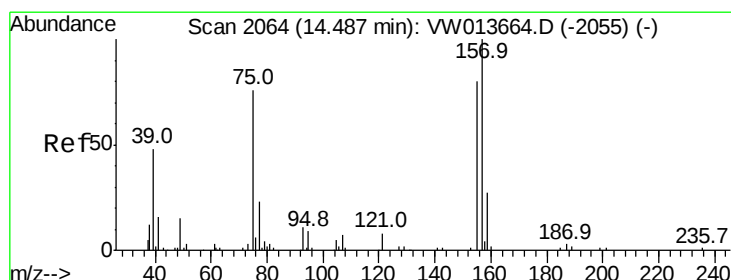
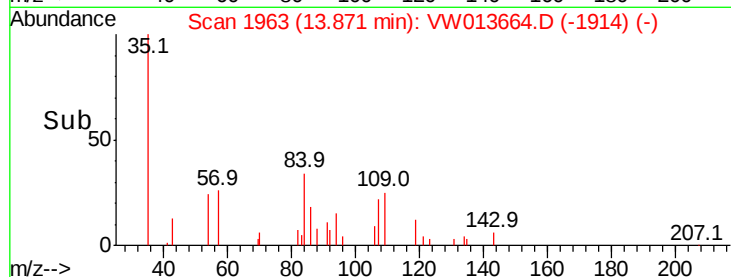
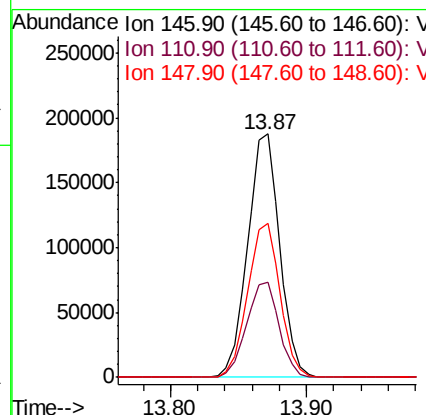
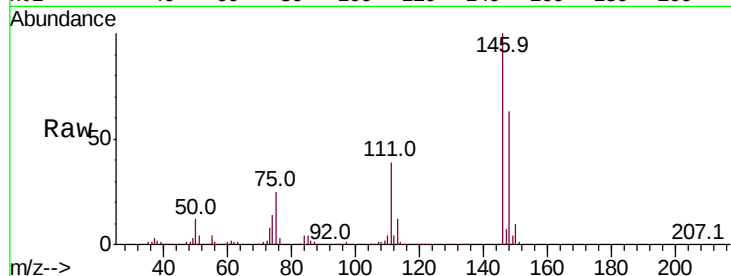




#91
 1,2-Dichlorobenzene
 Concen: 49.981 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

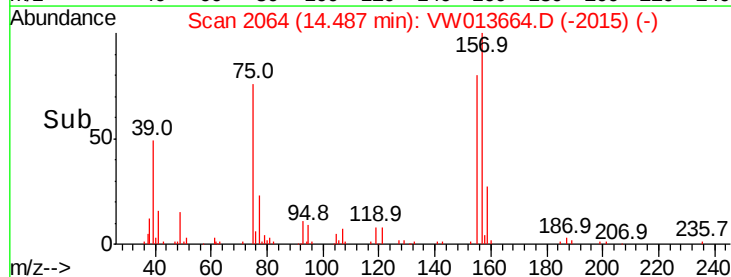
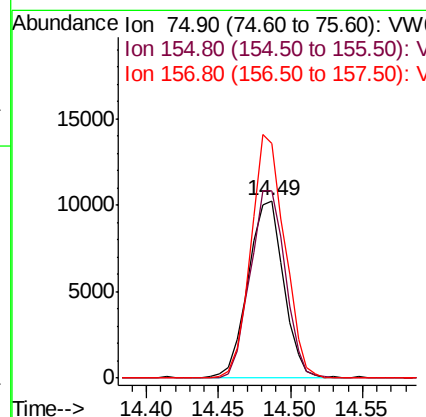
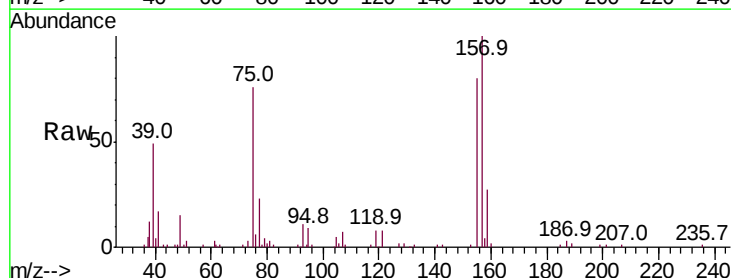
Instrument :
 MSVOA_W
 ClientSampled :

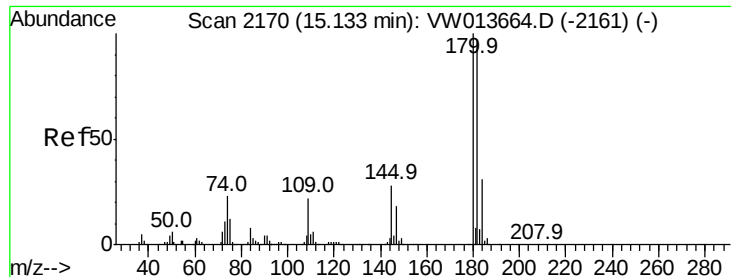
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	63.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.332 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	51.9	155.7
157	129.5	64.8	194.3

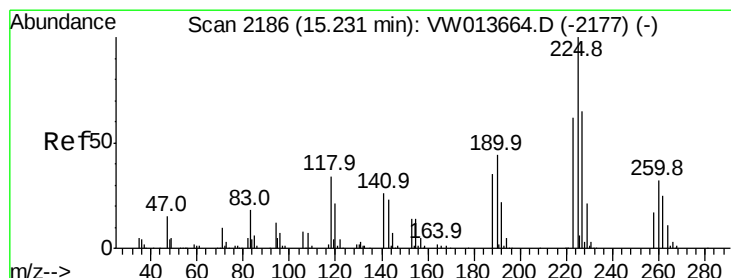
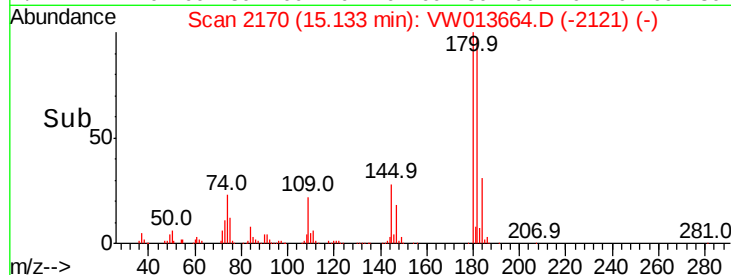
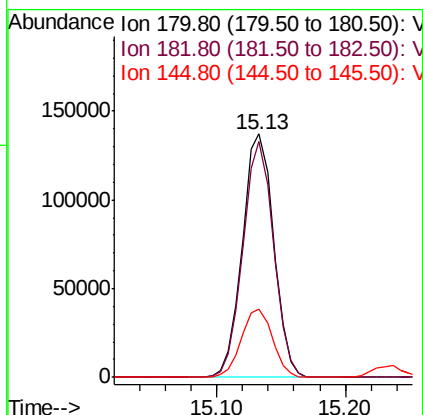
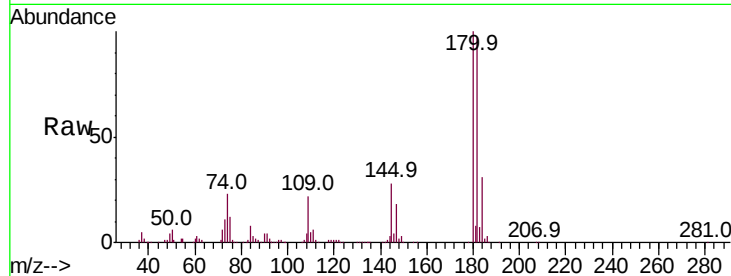




#93
 1,2,4-Trichlorobenzene
 Concen: 52.408 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

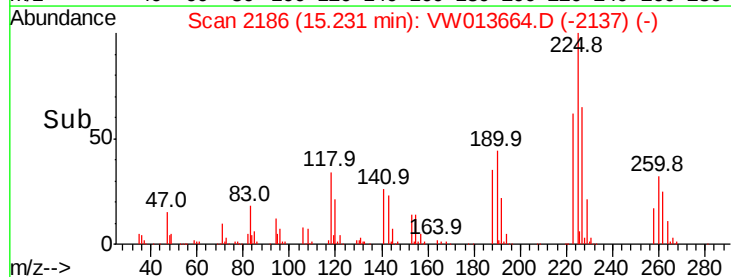
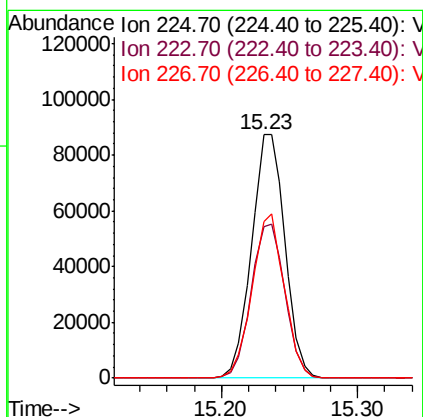
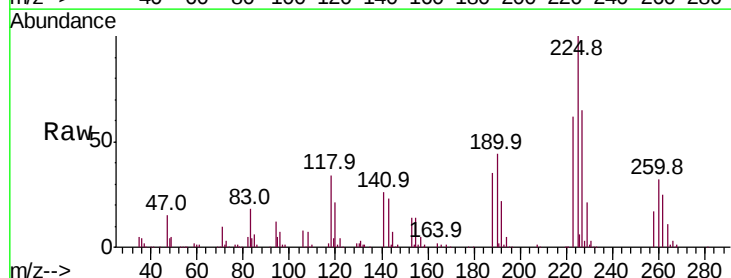
Instrument :
 MSVOA_W
 ClientSampleId :

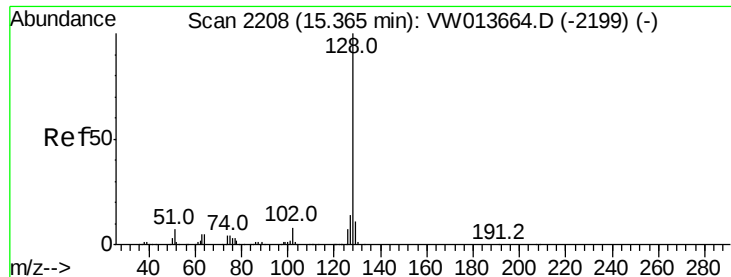
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	28.2	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 51.653 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW013664.D
 Acq: 23 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.9
227	64.9	32.5	97.4

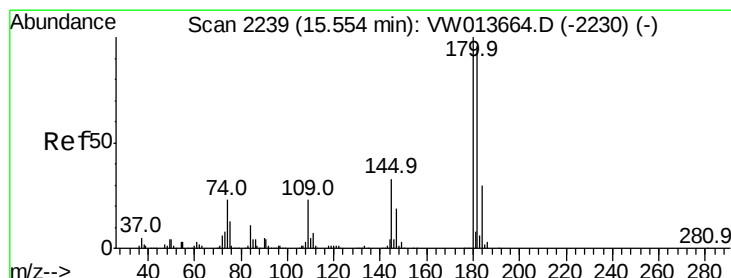
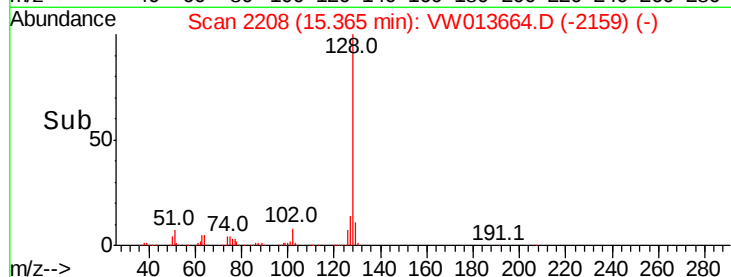
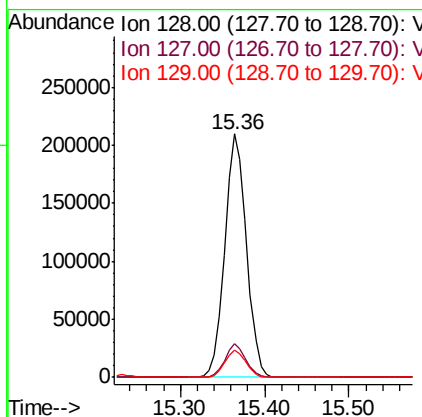
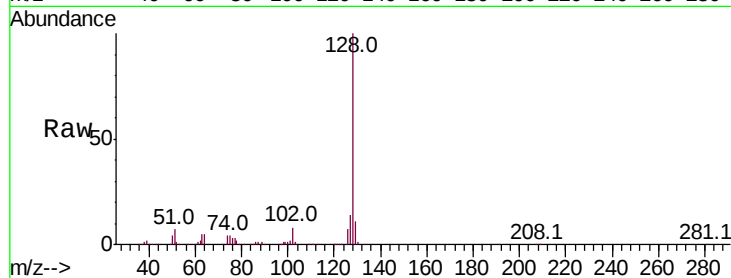




#95
Naphthalene
Concen: 49.091 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 368335
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.522 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013664.D
Acq: 23 Oct 2019 12:42

Tgt Ion:180 Resp: 197742
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.3
145 29.9 14.9 44.9

