

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013431.D
 Acq On : 04 Oct 2019 10:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 15:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	193994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	129616	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
35) Dibromofluoromethane	7.88	113	132062	56.12	ug/l	0.00
Spiked Amount			Recovery	=	112.24%	
50) Toluene-d8	10.32	98	555030	56.84	ug/l	0.00
Spiked Amount			Recovery	=	113.68%	
62) 4-Bromofluorobenzene	12.62	95	187549	57.51	ug/l	0.00
Spiked Amount			Recovery	=	115.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	54041	43.788	ug/l	96
3) Chloromethane	2.21	50	100468	49.332	ug/l	99
4) Vinyl Chloride	2.36	62	154211	53.354	ug/l	99
5) Bromomethane	2.78	94	90576	51.007	ug/l	99
6) Chloroethane	2.92	64	84360	50.546	ug/l	99
7) Trichlorofluoromethane	3.26	101	78675	62.742	ug/l	96
8) Diethyl Ether	3.68	74	74653	51.436	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	145558	52.358	ug/l	99
10) Methyl Iodide	4.27	142	233316	51.967	ug/l	99
11) Tert butyl alcohol	5.21	59	51781	264.204	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	154793	52.699	ug/l	97
13) Acrolein	3.90	56	82239	337.535	ug/l	97
14) Allyl chloride	4.67	41	238843	54.967	ug/l	98
15) Acrylonitrile	5.37	53	173400	264.287	ug/l	99
16) Acetone	4.14	43	173224	237.202	ug/l	94
17) Carbon Disulfide	4.39	76	444322	54.223	ug/l	98
18) Methyl Acetate	4.67	43	83420	48.805	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	228615	52.882	ug/l	99
20) Methylene Chloride	4.92	84	151152	49.563	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	158906	50.800	ug/l	98
22) Diisopropyl ether	6.31	45	437425	52.128	ug/l	96
23) Vinyl Acetate	6.25	43	1365484	271.187	ug/l	98
24) 1,1-Dichloroethane	6.21	63	261809	51.223	ug/l	98
25) 2-Butanone	7.17	43	234922	251.402	ug/l	96
26) 2,2-Dichloropropane	7.17	77	164368	55.774	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	167417	51.132	ug/l	98
28) Bromochloromethane	7.51	49	105305	56.984	ug/l	96
29) Tetrahydrofuran	7.53	42	139035	255.583	ug/l	97
30) Chloroform	7.68	83	253096	50.501	ug/l	97
31) Cyclohexane	7.96	56	276750	50.773	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	205861	52.431	ug/l	99
36) 1,1-Dichloropropene	8.08	75	222879	53.507	ug/l	98
37) Ethyl Acetate	7.25	43	96725	52.605	ug/l	98
38) Carbon Tetrachloride	8.07	117	195924	54.298	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	289917	52.849	ug/l	98
40) Benzene	8.32	78	616780	52.307	ug/l	100
41) Methacrylonitrile	7.48	41	61943	55.883	ug/l	97
42) 1,2-Dichloroethane	8.40	62	158646	52.348	ug/l	97
43) Isopropyl Acetate	8.42	43	187146	54.088	ug/l	97
44) Trichloroethene	9.09	130	174625	52.590	ug/l	97
45) 1,2-Dichloropropane	9.37	63	147622	52.143	ug/l	98
46) Dibromomethane	9.46	93	74559	52.873	ug/l	97
47) Bromodichloromethane	9.64	83	185982	53.575	ug/l	98
48) Methyl methacrylate	9.44	41	92849	55.849	ug/l	94
49) 1,4-Dioxane	9.46	88	27687	1279.004	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	468995	257.990	ug/l	98
52) Toluene	10.39	92	399647	52.547	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	195606	54.172	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	238895	54.568	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	109704	52.150	ug/l	99
56) Ethyl methacrylate	10.65	69	153777	54.310	ug/l	97
57) 1,3-Dichloropropane	10.93	76	192270	52.575	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	332408	285.794	ug/l	98
59) 2-Hexanone	10.97	43	341389	270.938	ug/l	99
60) Dibromochloromethane	11.13	129	129765	53.921	ug/l	100
61) 1,2-Dibromoethane	11.24	107	107693	52.979	ug/l	100
64) Tetrachloroethene	10.86	164	151024	51.458	ug/l	98
65) Chlorobenzene	11.66	112	406919	51.487	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	144353	53.626	ug/l	99
67) Ethyl Benzene	11.73	91	756212	53.387	ug/l	99
68) m/p-Xylenes	11.84	106	579129	105.924	ug/l	99
69) o-Xylene	12.16	106	265653	52.552	ug/l	97
70) Styrene	12.18	104	462847	53.562	ug/l	99
71) Bromoform	12.35	173	81539	55.871	ug/l #	100
73) Isopropylbenzene	12.46	105	753780	53.120	ug/l	100
74) N-amyl acetate	12.27	43	166165	55.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	124879	51.994	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	162617	94.317	ug/l #	100
77) Bromobenzene	12.74	156	175353	51.463	ug/l	98
78) n-propylbenzene	12.80	91	879226	53.865	ug/l	100
79) 2-Chlorotoluene	12.89	91	484460	53.436	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	618472	52.468	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	43571	53.425	ug/l	96
82) 4-Chlorotoluene	12.99	91	507210	53.407	ug/l	99
83) tert-Butylbenzene	13.21	119	557004	54.099	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	616780	52.634	ug/l	99
85) sec-Butylbenzene	13.38	105	762999	53.749	ug/l	99
86) p-Isopropyltoluene	13.50	119	714453	54.307	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	336492	52.491	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	332841	51.857	ug/l	100
89) n-Butylbenzene	13.82	91	653790	55.122	ug/l	100
90) Hexachloroethane	14.09	117	121843	56.058	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	294614	51.989	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20142	56.067	ug/l	92

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QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

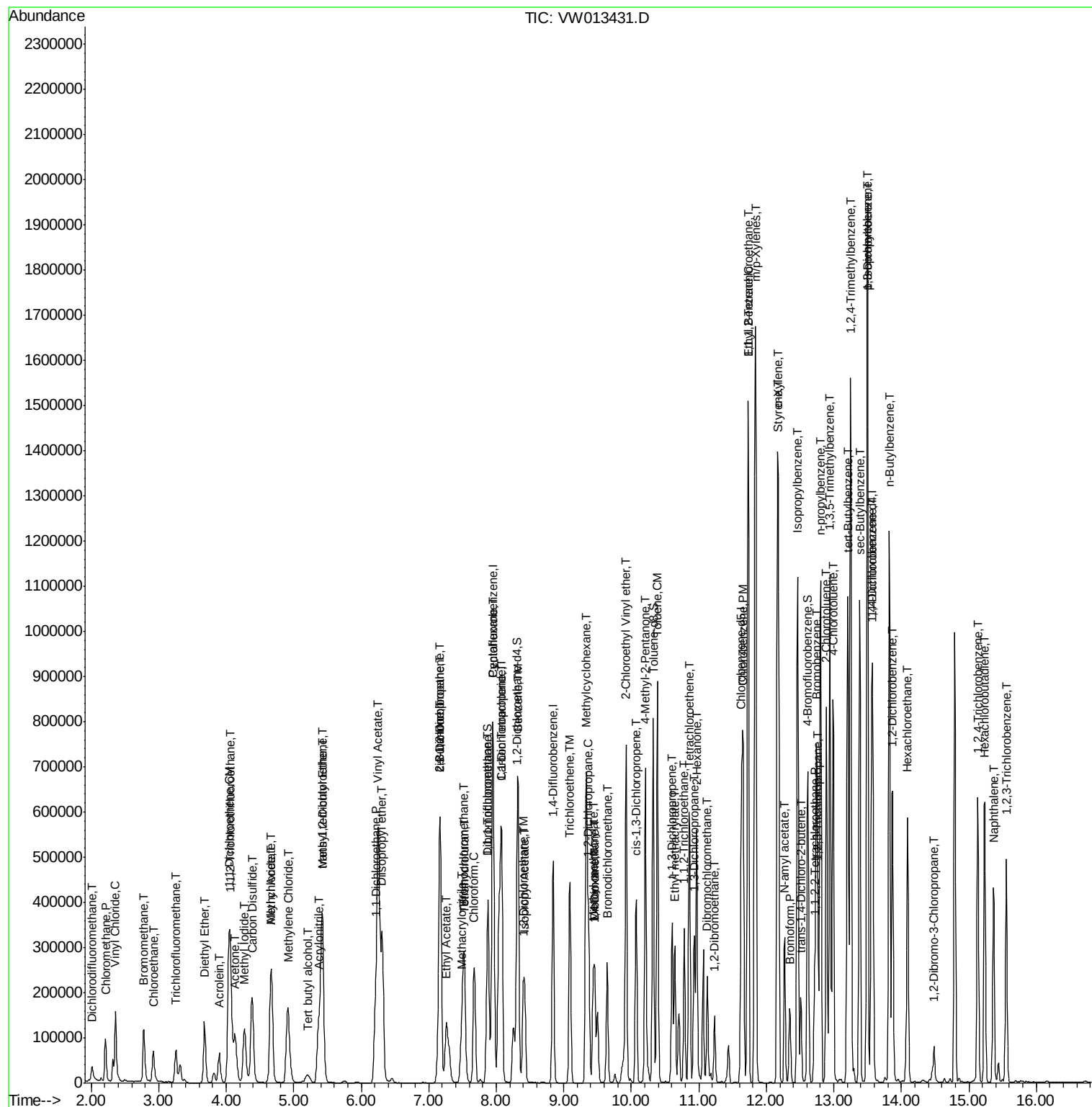
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	218131	53.636	ug/l	99
94) Hexachlorobutadiene	15.24	225	143692	54.391	ug/l	99
95) Naphthalene	15.36	128	378056	55.107	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	187266	52.740	ug/l	99

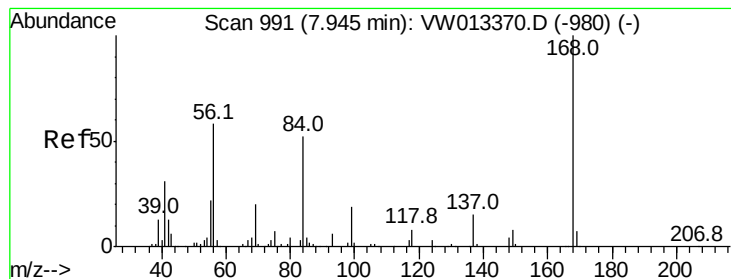
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

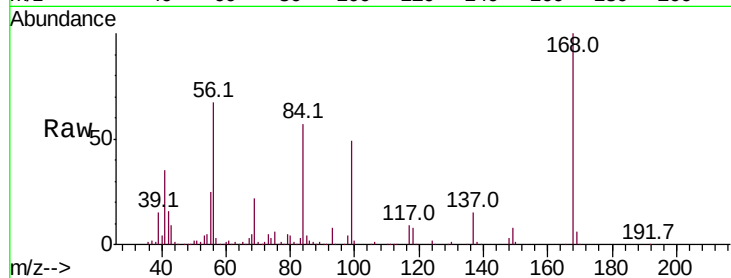
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 319082

Ion Ratio Lower Upper

168 100

99 48.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

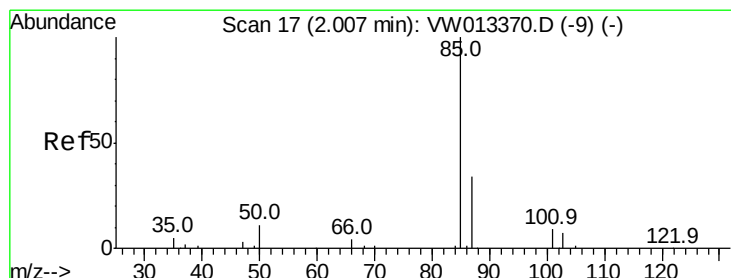
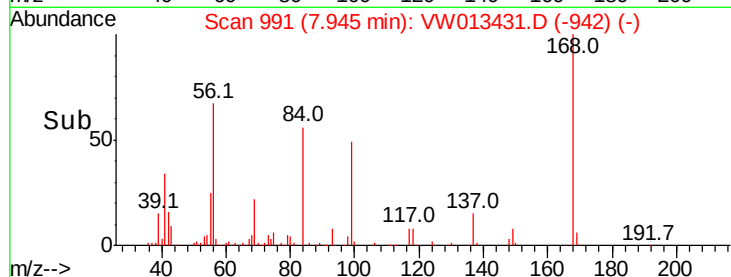
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 43.788 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013431.D

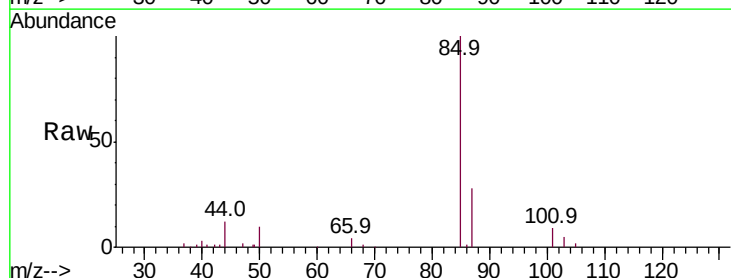
Acq: 04 Oct 2019 10:42

Tgt Ion: 85 Resp: 54041

Ion Ratio Lower Upper

85 100

87 27.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

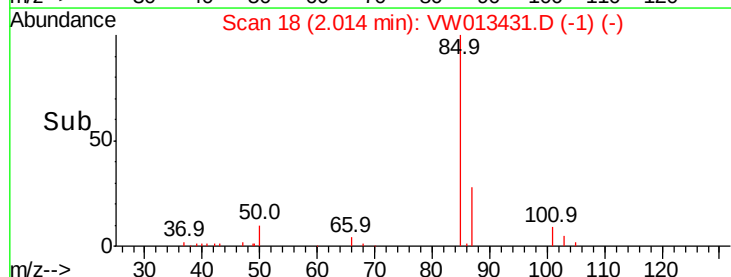
15000

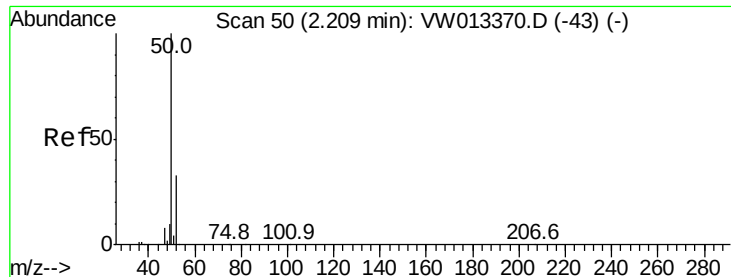
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 49.332 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

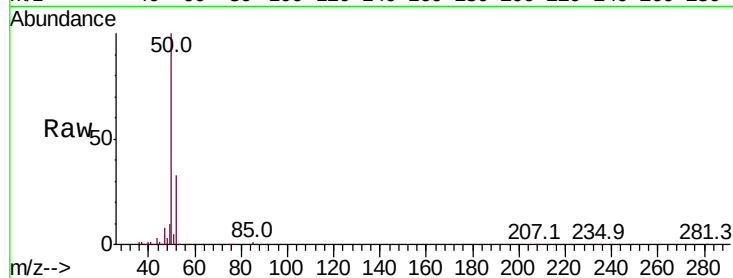
ClientSampleId :

Tot Ion: 50 Resp: 100468

Ion Ratio Lower Upper

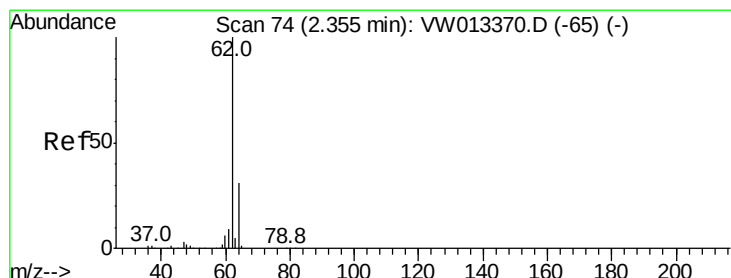
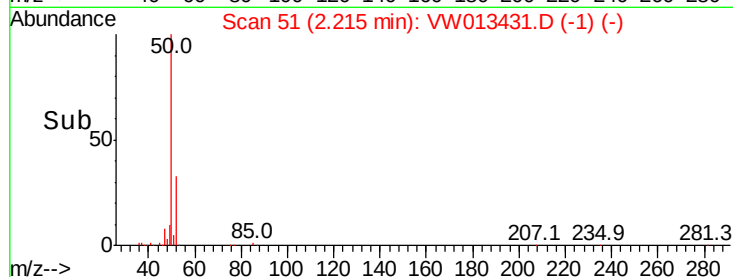
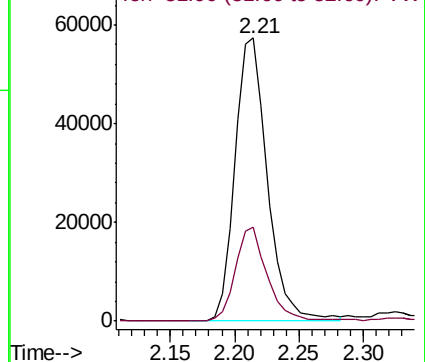
50 100

52 33.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 53.354 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013431.D

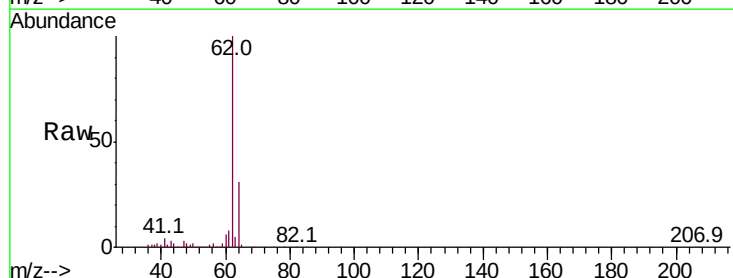
Acq: 04 Oct 2019 10:42

Tgt Ion: 62 Resp: 154211

Ion Ratio Lower Upper

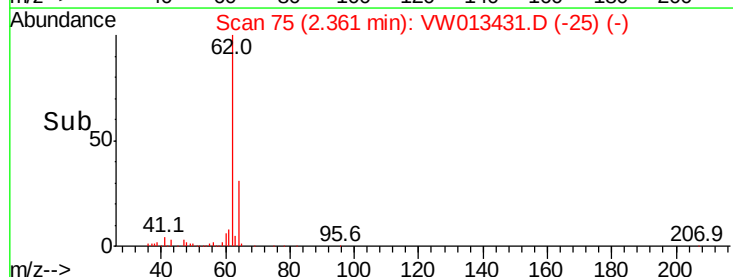
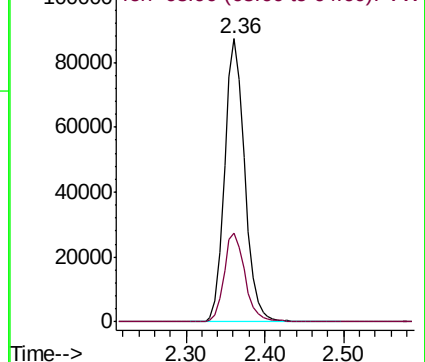
62 100

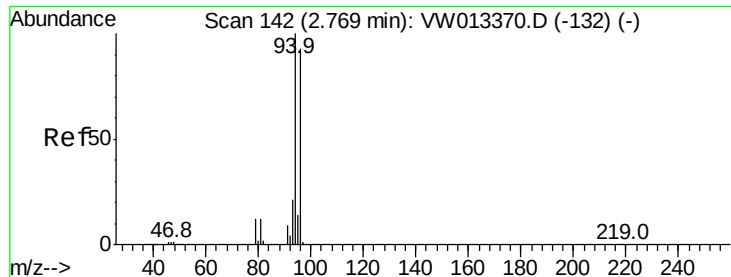
64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 51.007 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

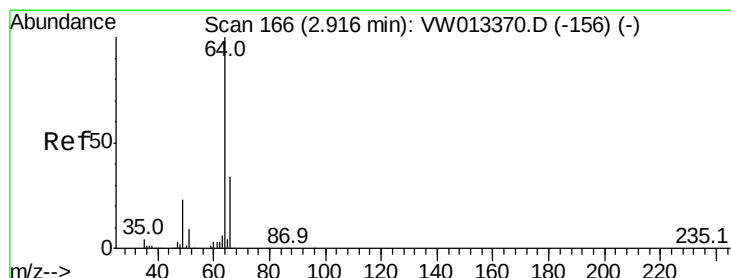
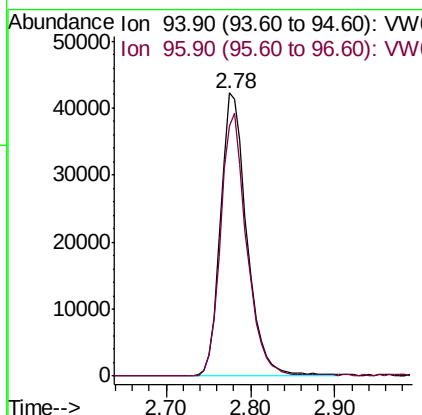
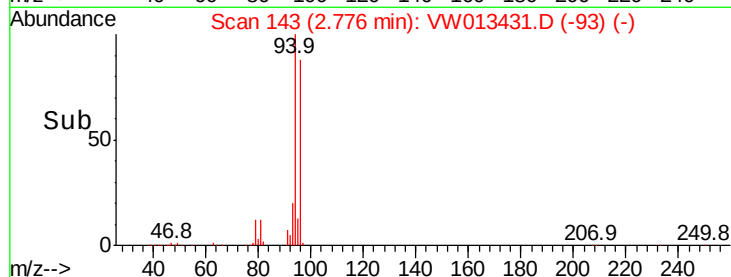
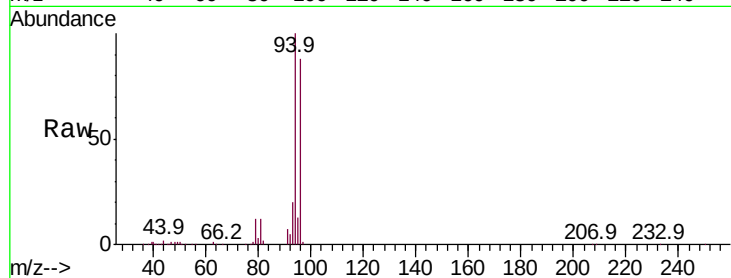
ClientSampleId :

Tot Ion: 94 Resp: 90576

Ion Ratio Lower Upper

94 100

96 88.2 69.7 104.5



#6

Chloroethane

Concen: 50.546 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013431.D

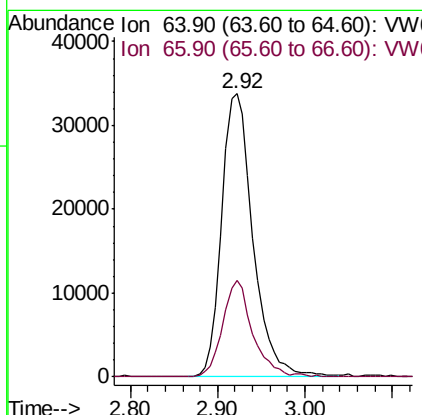
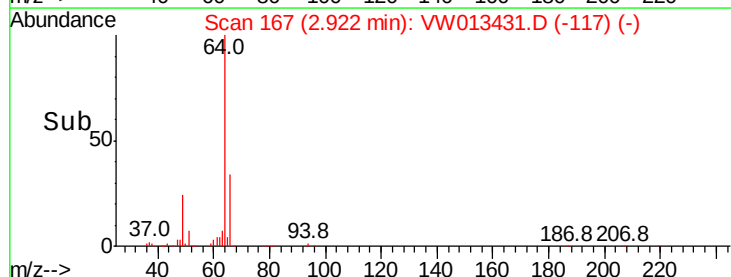
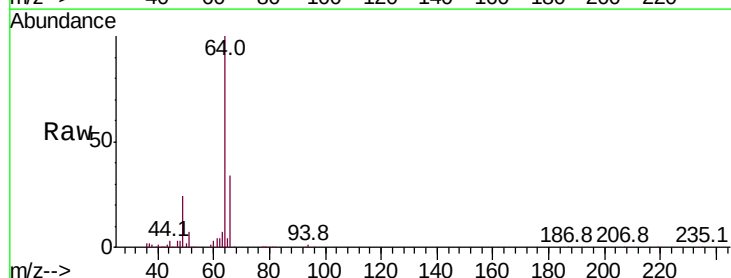
Acq: 04 Oct 2019 10:42

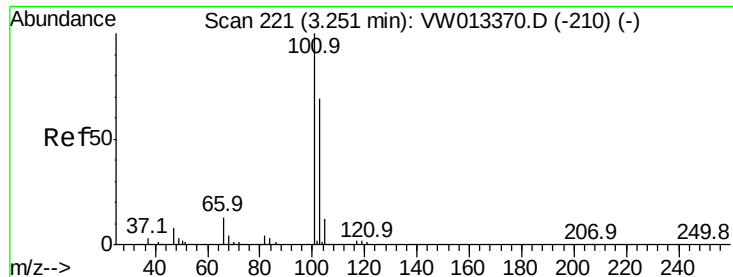
Tgt Ion: 64 Resp: 84360

Ion Ratio Lower Upper

64 100

66 34.0 26.6 39.8



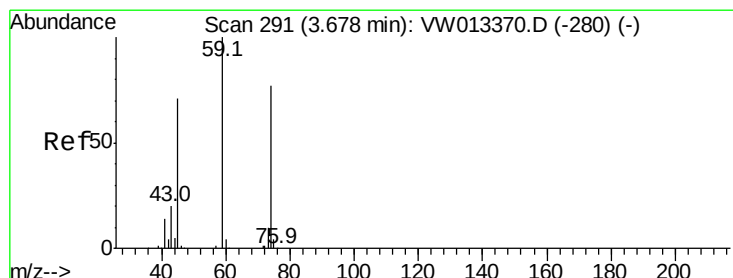
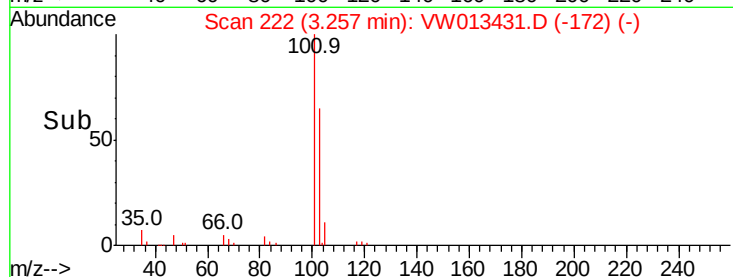
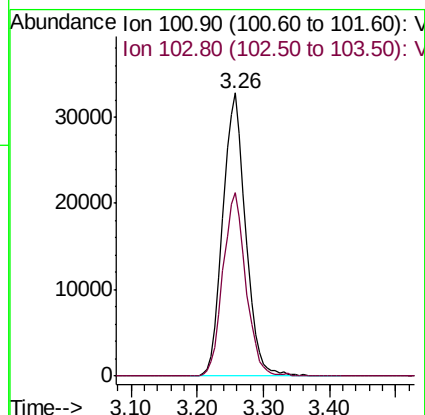
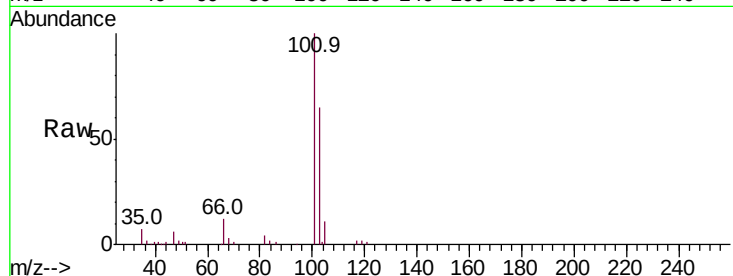


#7

Trichlorofluoromethane
Concen: 62.742 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampled :

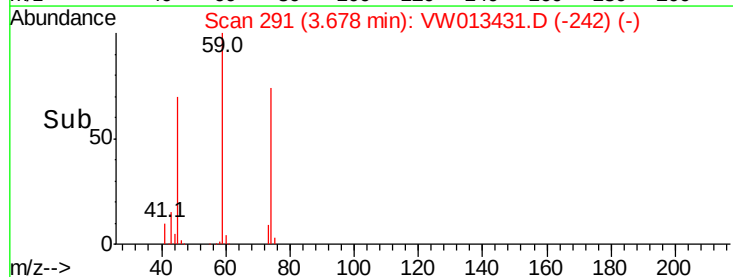
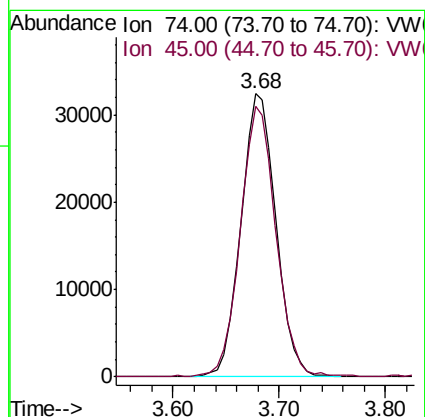
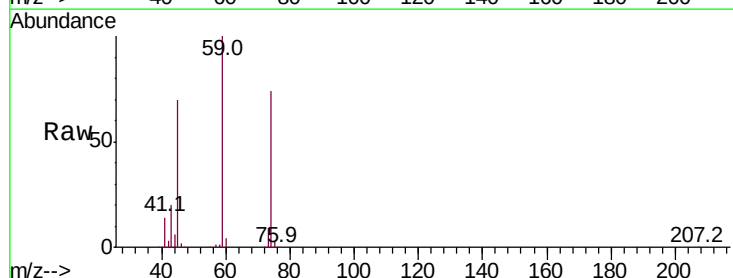
Tot Ion:101 Resp: 78675
Ion Ratio Lower Upper
101 100
103 65.0 49.7 74.5

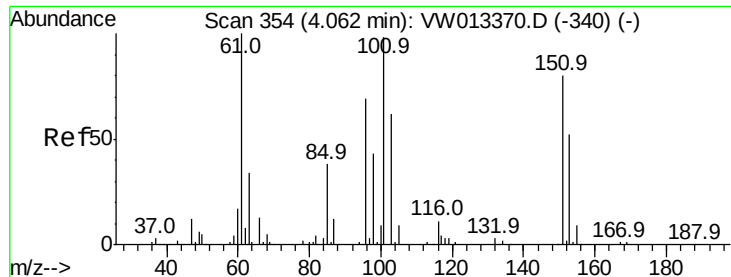


#8

Diethyl Ether
Concen: 51.436 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion: 74 Resp: 74653
Ion Ratio Lower Upper
74 100
45 97.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.358 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampled :

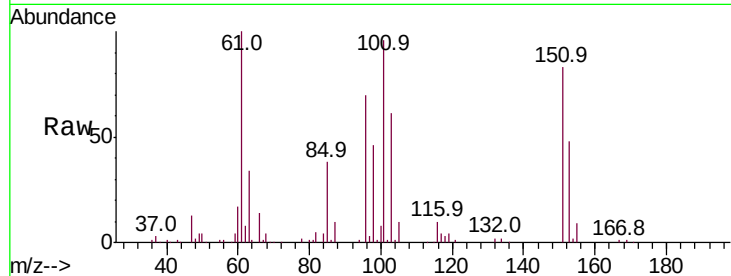
Tot Ion:101 Resp: 145558

Ion Ratio Lower Upper

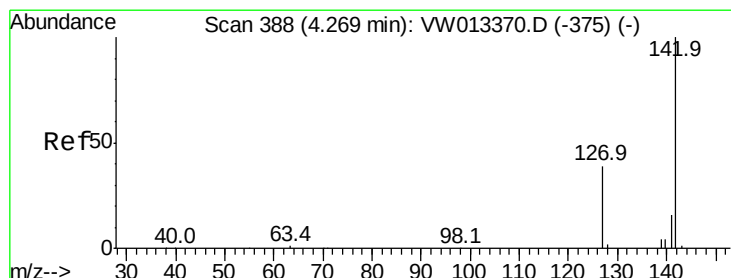
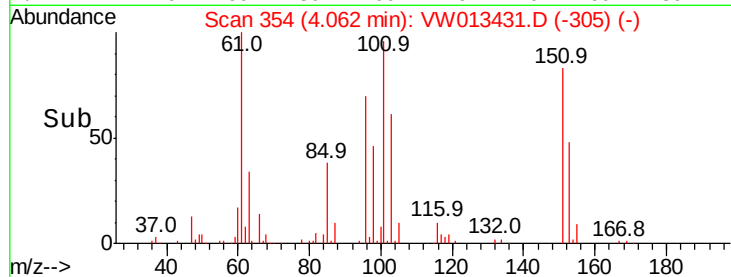
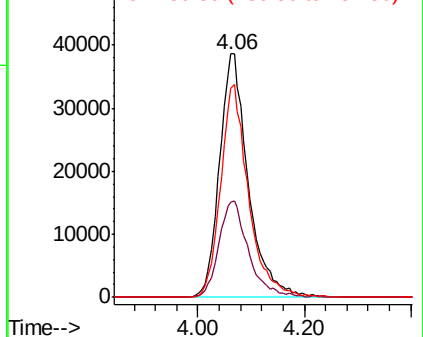
101 100

85 40.8 33.4 50.0

151 84.6 66.9 100.3



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: 51.967 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

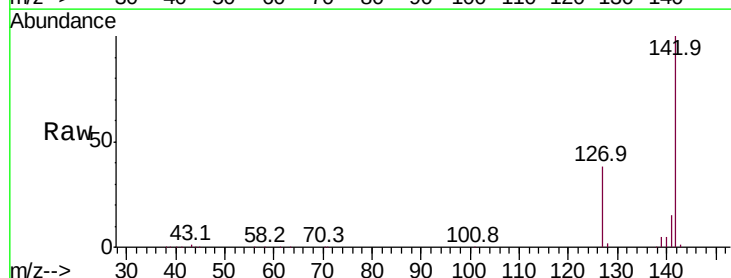
Tgt Ion:142 Resp: 233316

Ion Ratio Lower Upper

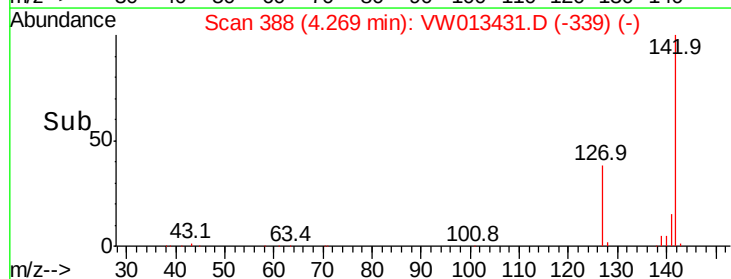
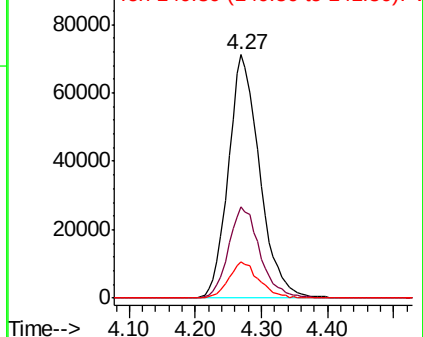
142 100

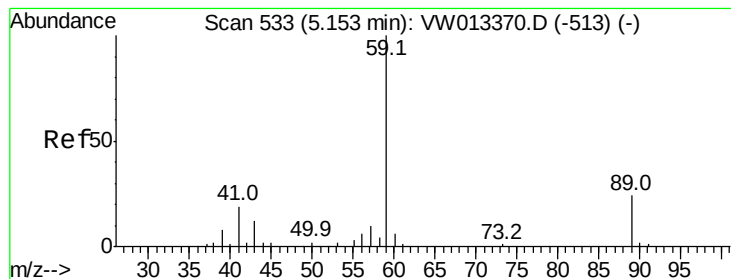
127 37.6 30.9 46.3

141 14.4 11.7 17.5



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



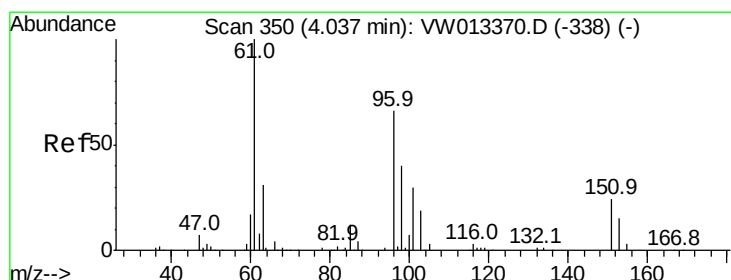
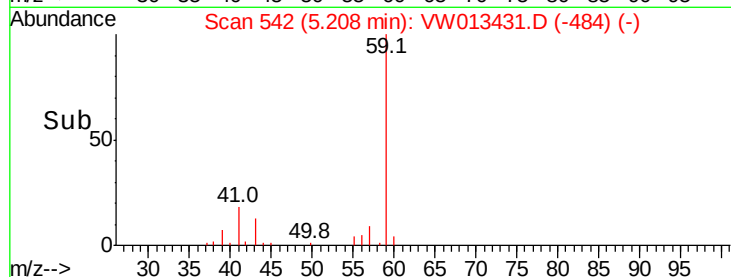
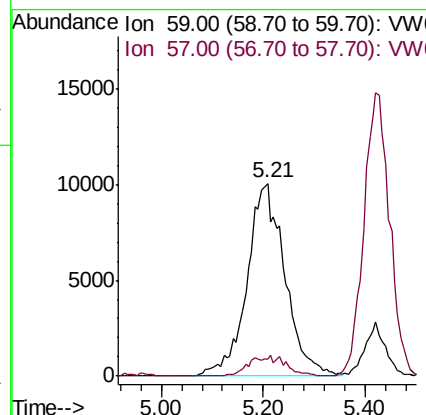
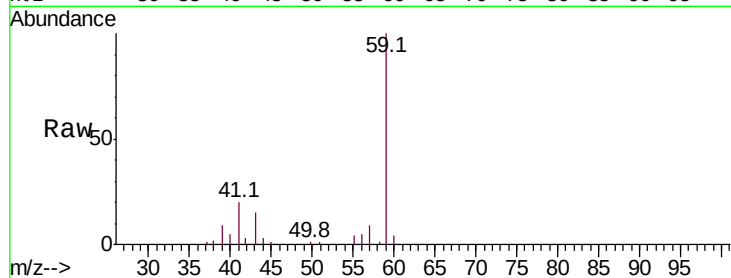


#11

Tert butyl alcohol
Concen: 264.204 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.06 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :

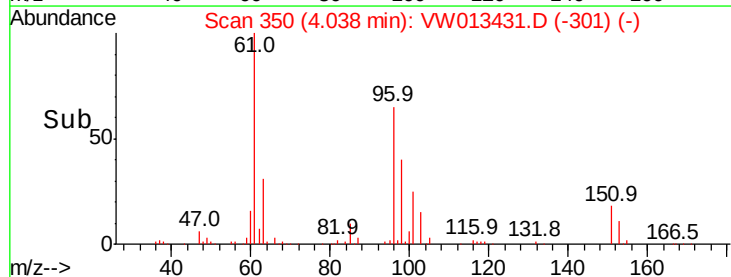
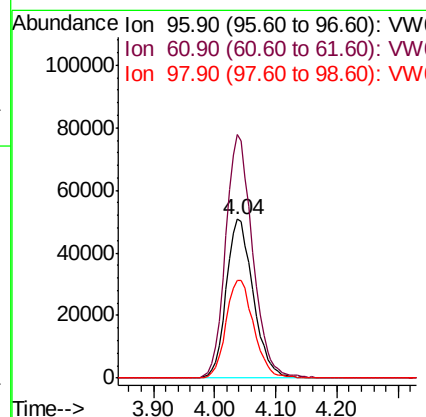
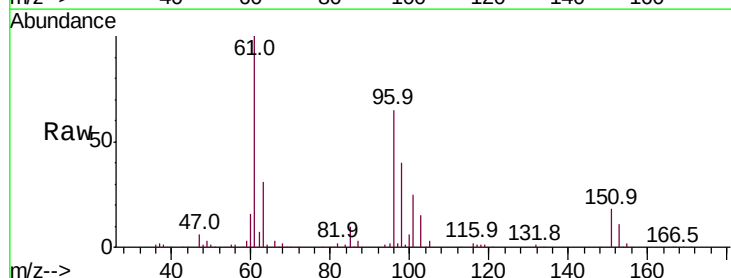
Tot Ion: 59 Resp: 51781
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

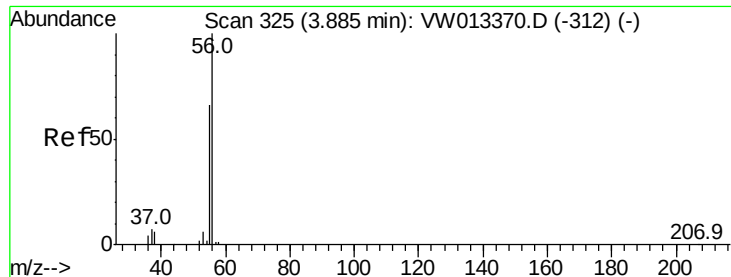


#12

1,1-Dichloroethene
Concen: 52.699 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion: 96 Resp: 154793
Ion Ratio Lower Upper
96 100
61 153.1 125.1 187.7
98 61.2 50.8 76.2

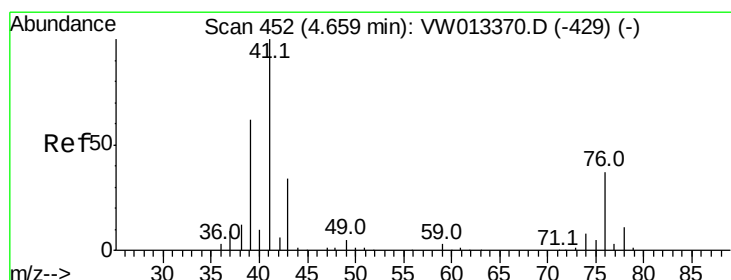
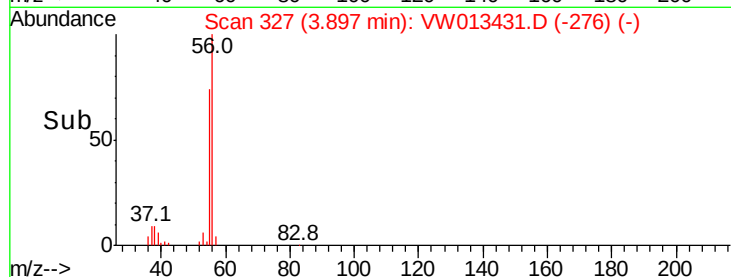
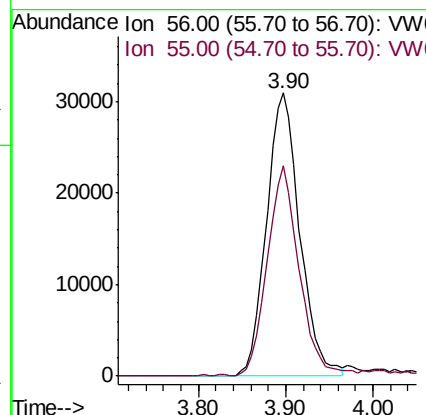
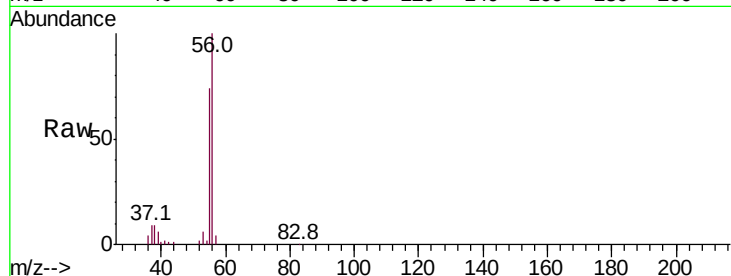




#13
 Acrolein
 Concen: 337.535 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

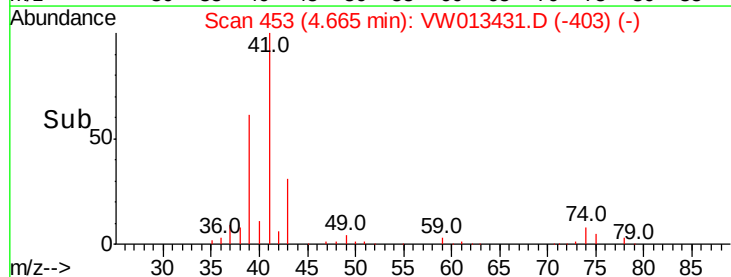
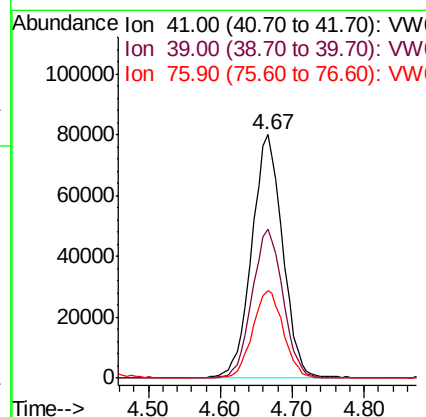
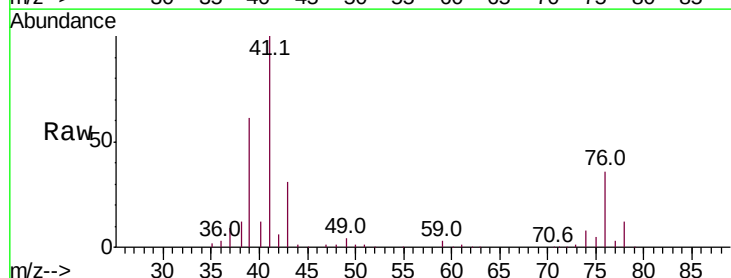
Instrument :
 MSVOA_W
 ClientSampleId :

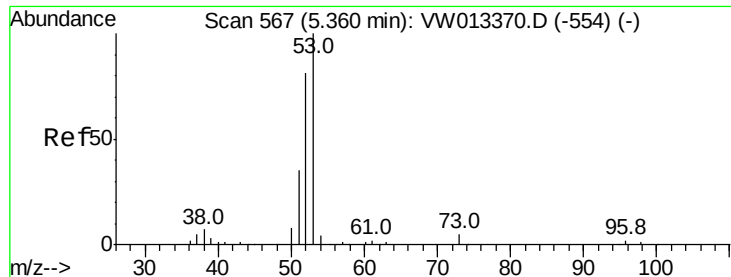
Tot Ion: 56 Resp: 82239
 Ion Ratio Lower Upper
 56 100
 55 71.7 55.4 83.0



#14
 Allyl chloride
 Concen: 54.967 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion: 41 Resp: 238843
 Ion Ratio Lower Upper
 41 100
 39 61.1 51.0 76.4
 76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 264.287 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

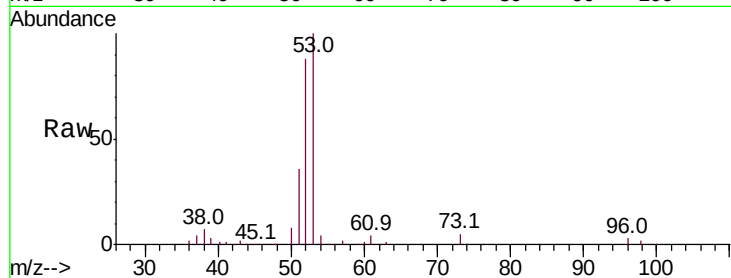
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 173400

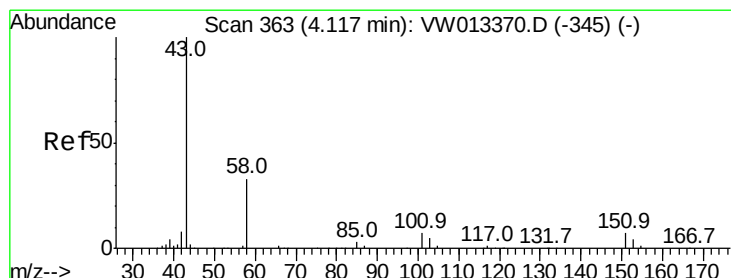
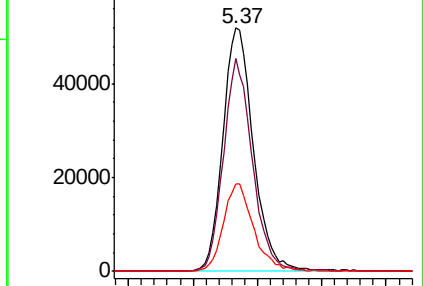
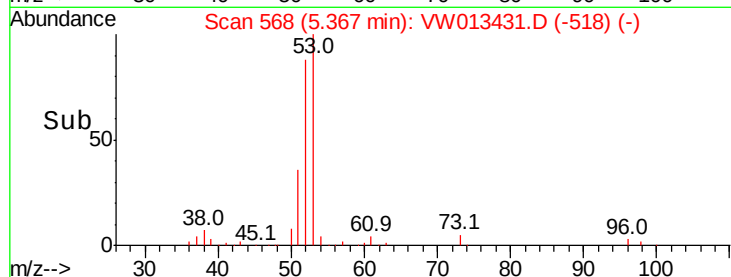
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	35.4	29.0	43.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 237.202 ug/l

RT: 4.14 min Scan# 366

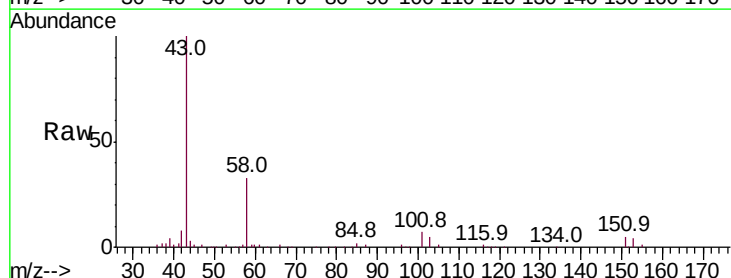
Delta R.T. 0.02 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

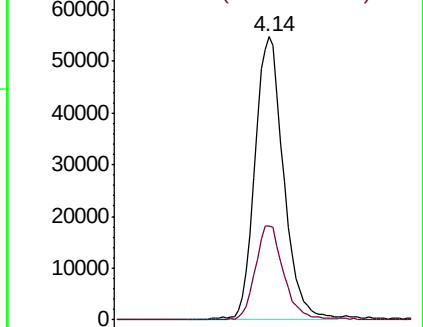
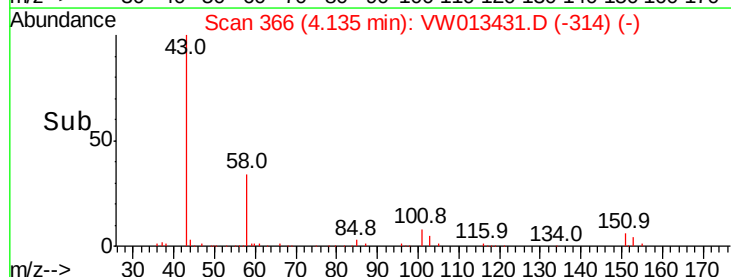
Tgt Ion: 43 Resp: 173224

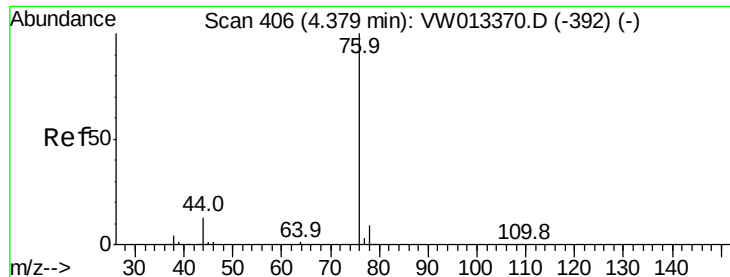
Ion	Ratio	Lower	Upper
43	100		
58	33.1	24.1	36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

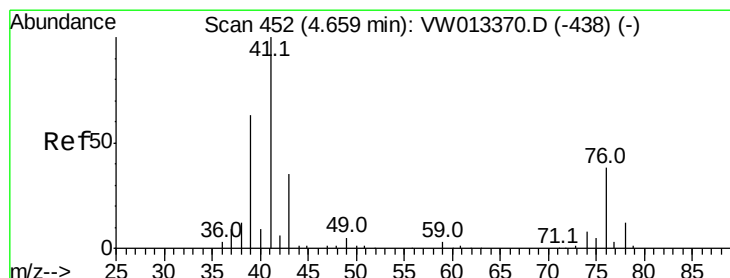
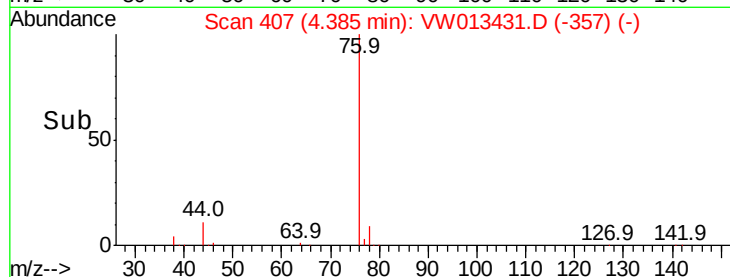
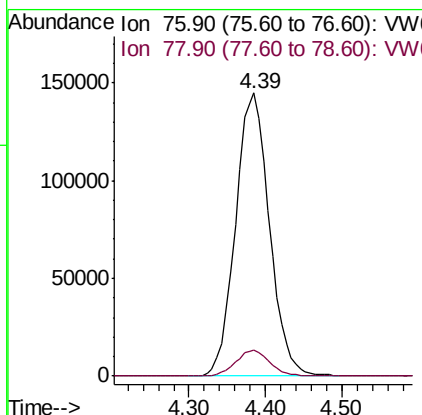
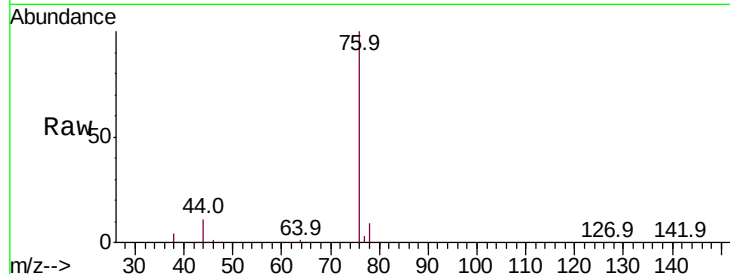




#17
Carbon Disulfide
Concen: 54.223 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

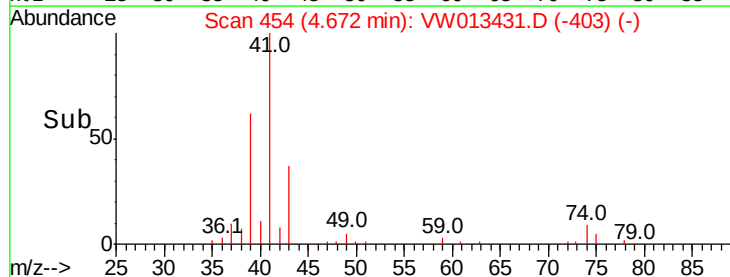
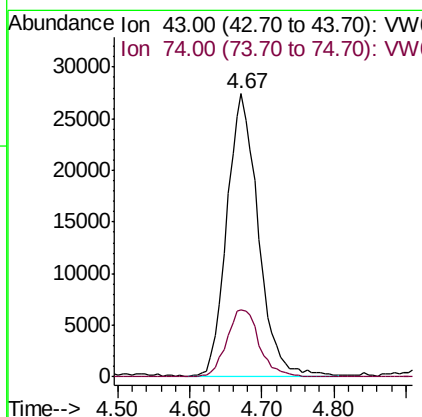
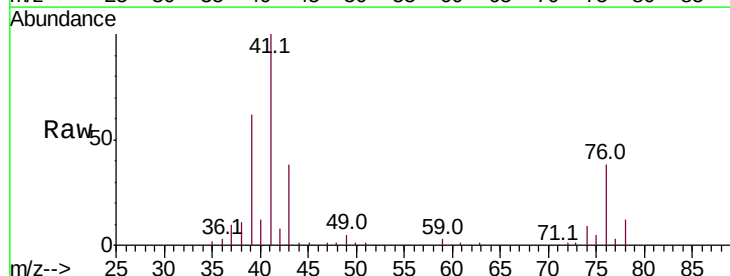
Instrument :
MSVOA_W
ClientSampleId :

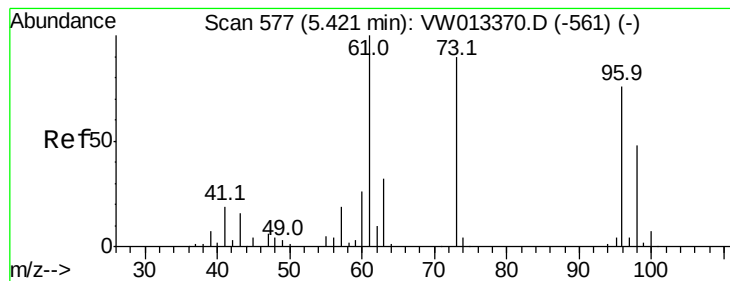
Tot Ion: 76 Resp: 444322
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 48.805 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion: 43 Resp: 83420
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9



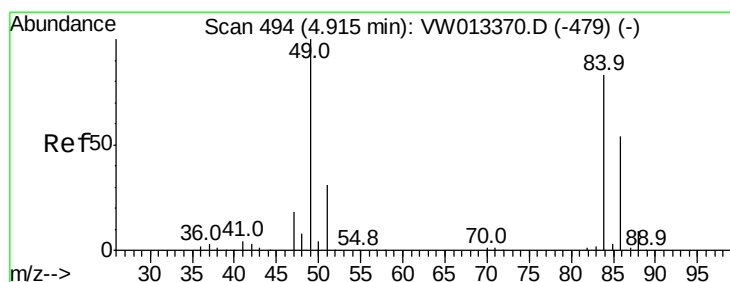
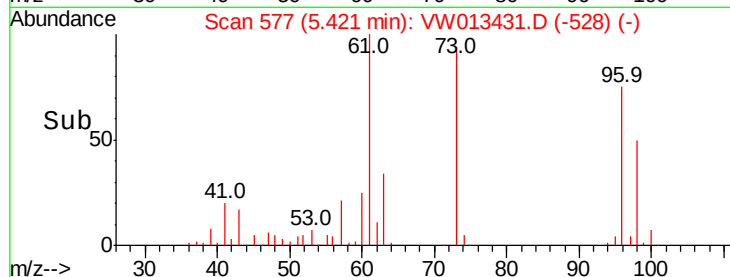
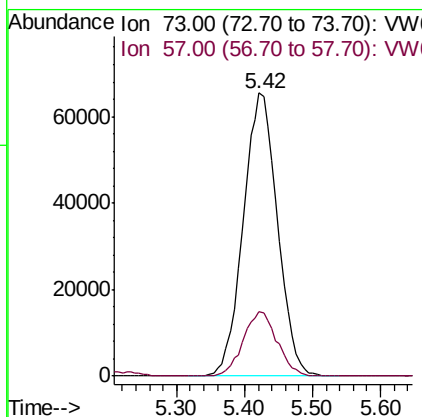
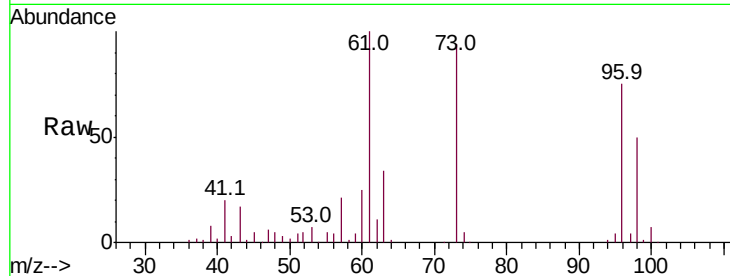


#19

Methyl tert-butyl Ether
 Concen: 52.882 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :

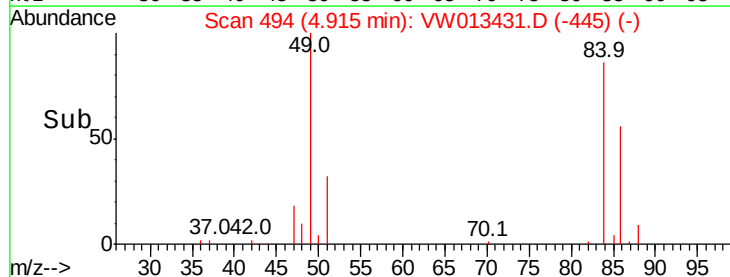
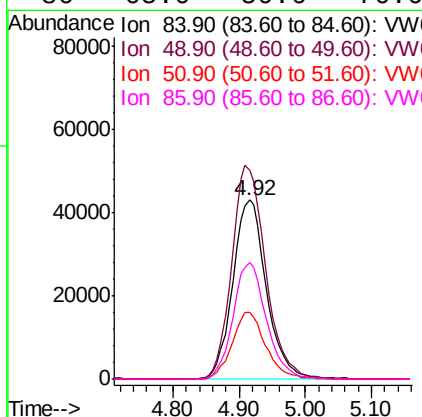
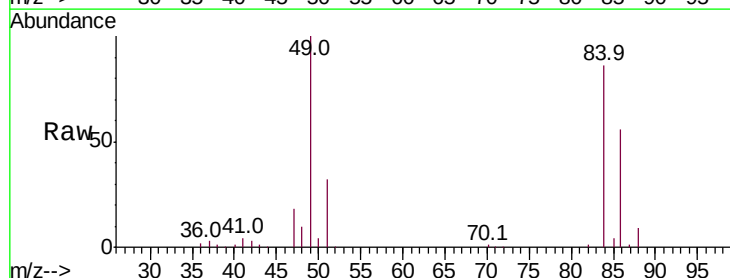
Tot Ion: 73 Resp: 228615
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.6 26.4

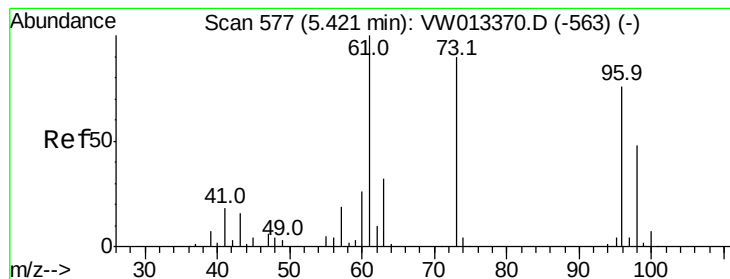


#20

Methylene Chloride
 Concen: 49.563 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion: 84 Resp: 151152
 Ion Ratio Lower Upper
 84 100
 49 116.4 97.6 146.4
 51 37.3 30.2 45.2
 86 65.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 50.800 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :

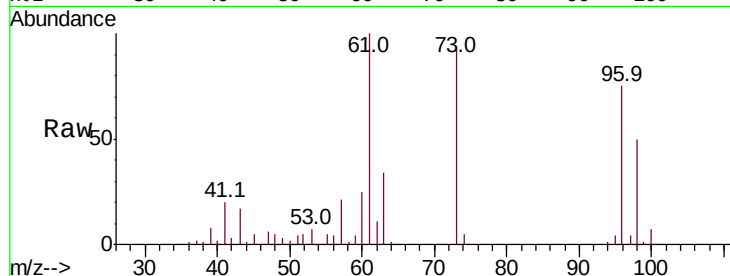
Tot Ion: 96 Resp: 158906

Ion Ratio Lower Upper

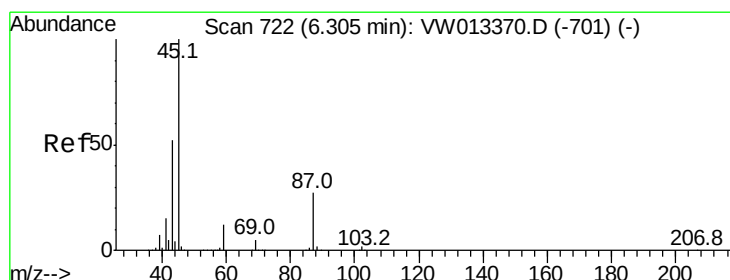
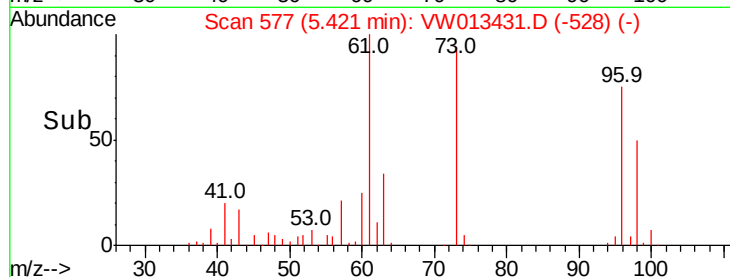
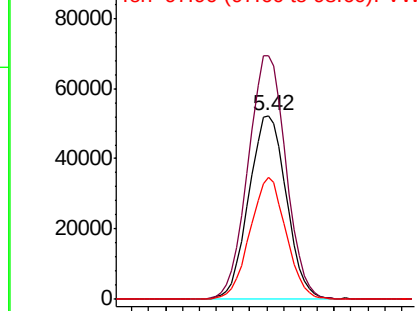
96 100

61 132.5 106.6 159.8

98 66.2 49.8 74.8



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



#22

Diisopropyl ether

Concen: 52.128 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion: 45 Resp: 437425

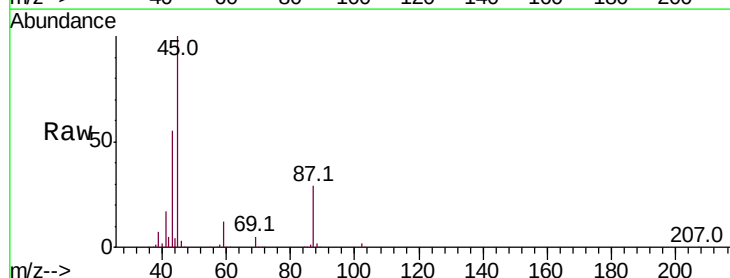
Ion Ratio Lower Upper

45 100

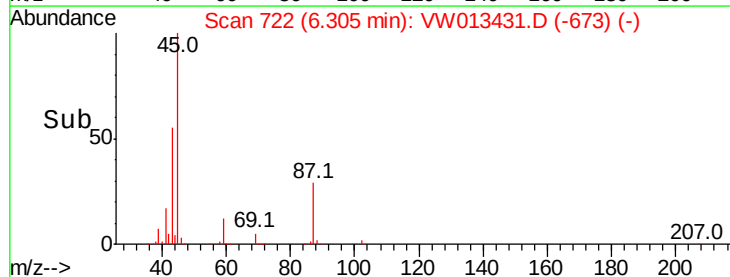
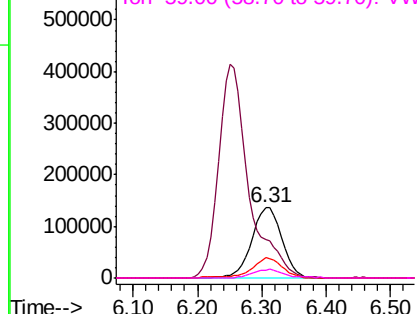
43 55.1 42.4 63.6

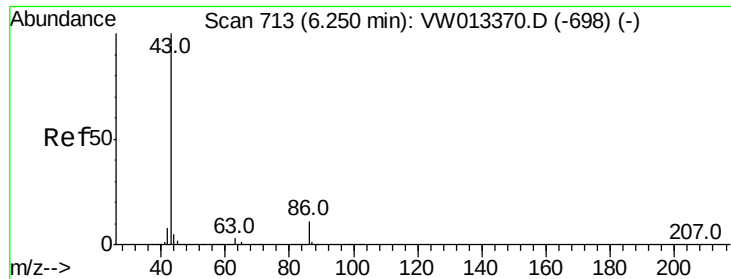
87 28.5 20.4 30.6

59 11.8 8.8 13.2



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

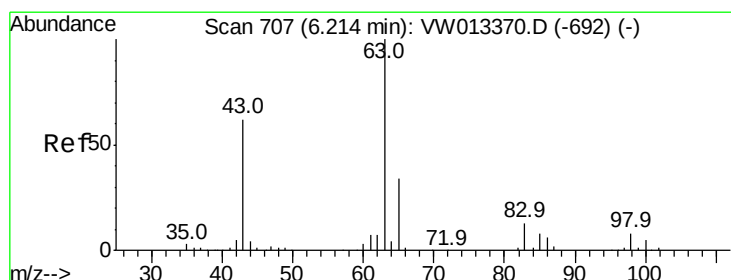
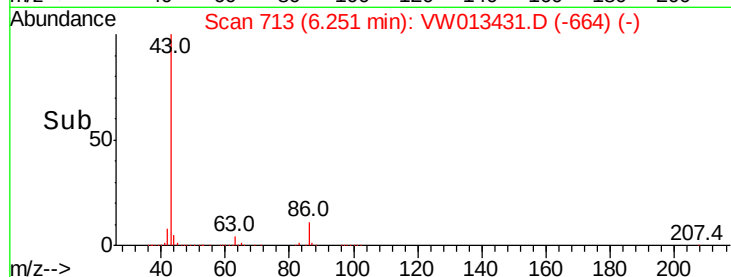
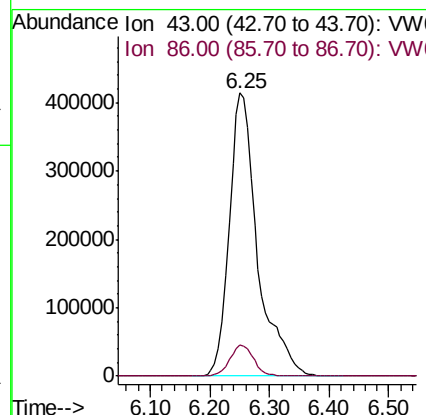
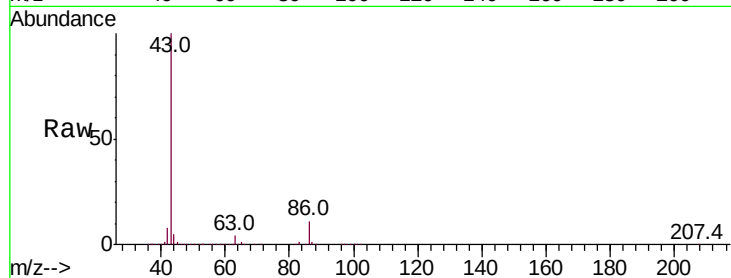




#23
 Vinyl Acetate
 Concen: 271.187 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

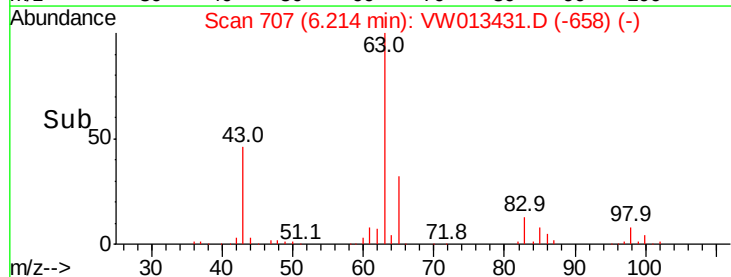
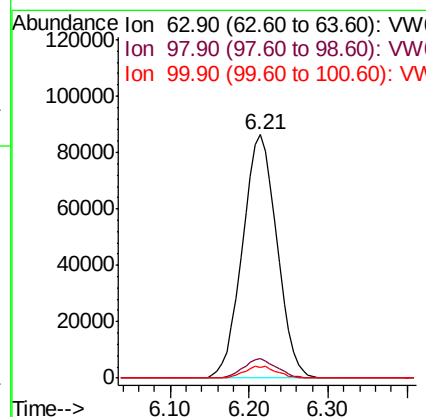
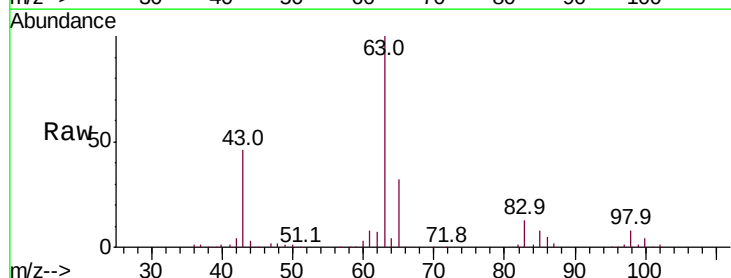
Instrument :
 MSVOA_W
 ClientSampleId :

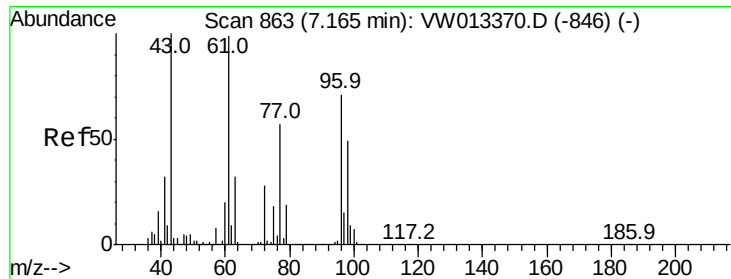
Tot Ion: 43 Resp: 1365484
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 51.223 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion: 63 Resp: 261809
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.5 10.5
 100 4.2 2.4 7.1





#25

2-Butanone

Concen: 251.402 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

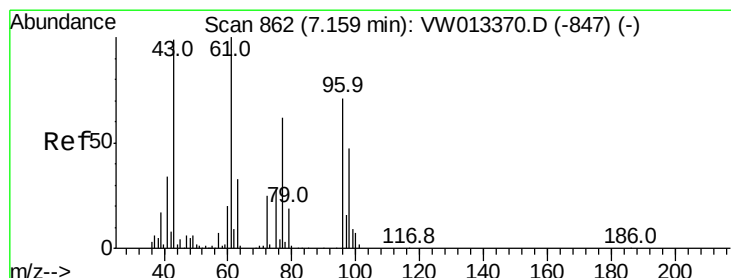
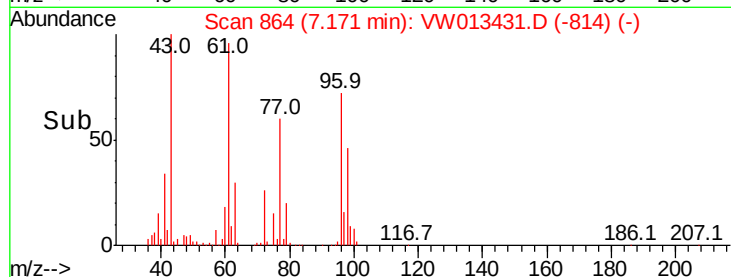
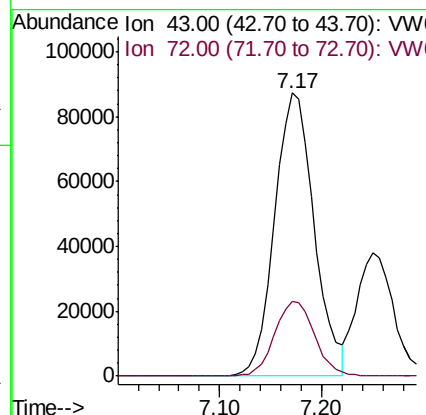
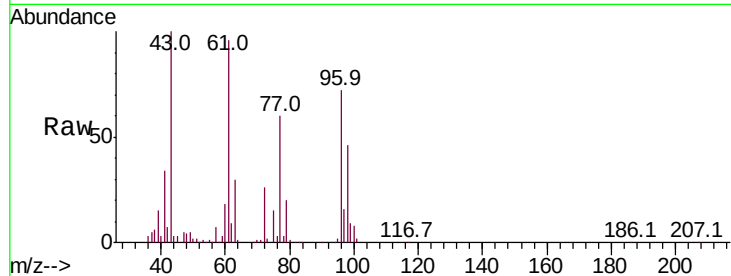
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 234922

Ion Ratio Lower Upper

43 100

72 26.3 19.4 29.0



#26

2,2-Dichloropropane

Concen: 55.774 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013431.D

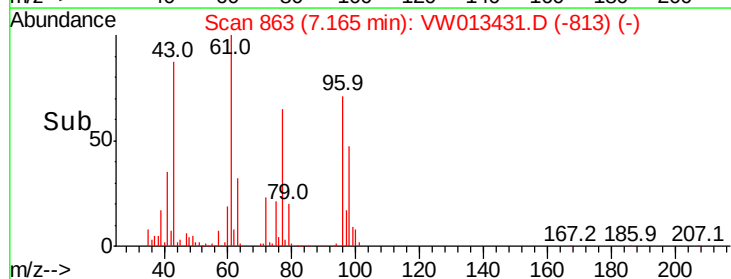
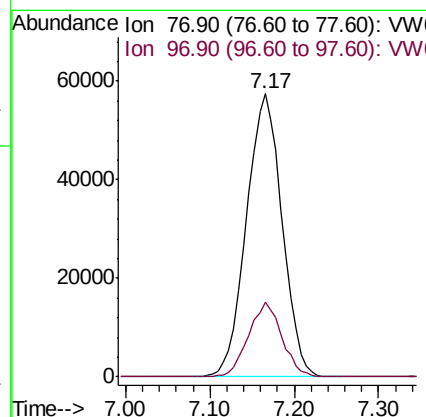
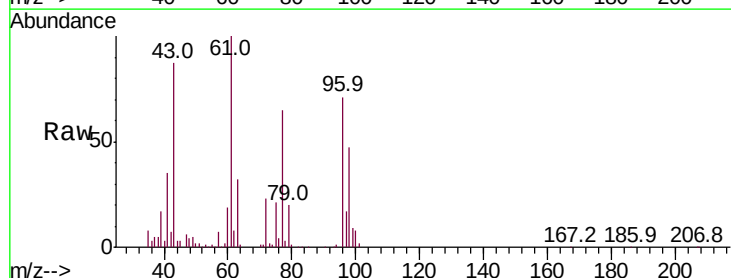
Acq: 04 Oct 2019 10:42

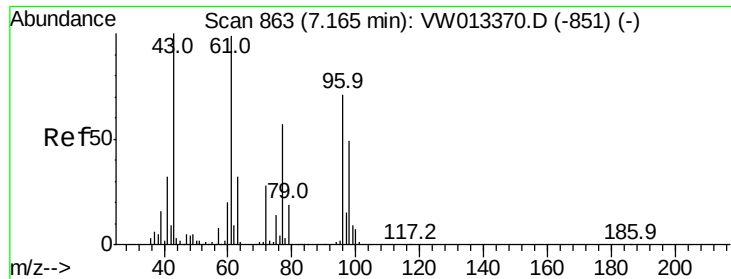
Tgt Ion: 77 Resp: 164368

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.4



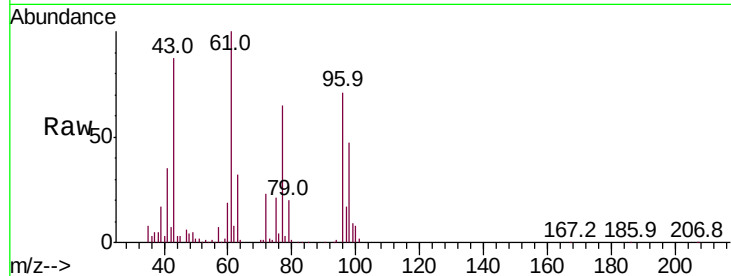


#27

cis-1,2-Dichloroethene
Concen: 51.132 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	282.4
98	65.4	0.0	128.2

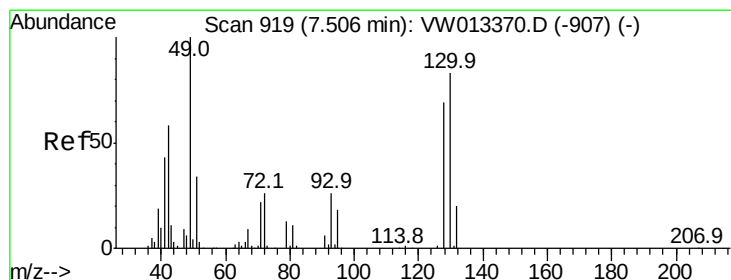
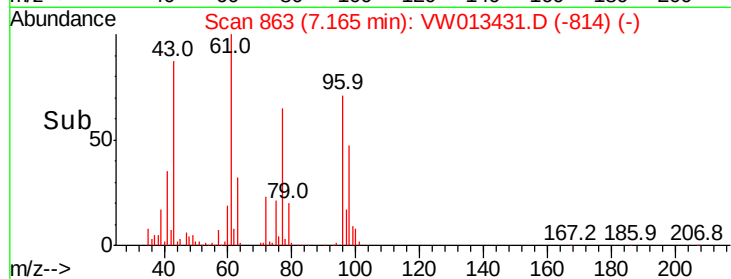
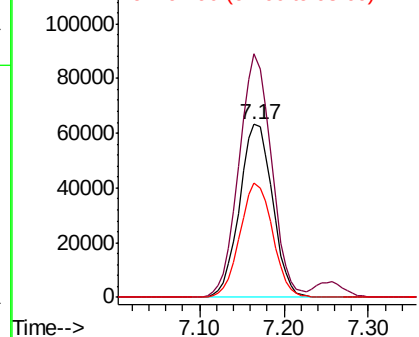


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

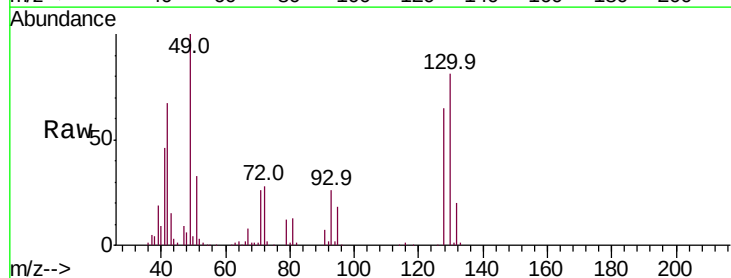
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 56.984 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.0
130	82.8	63.4	95.2

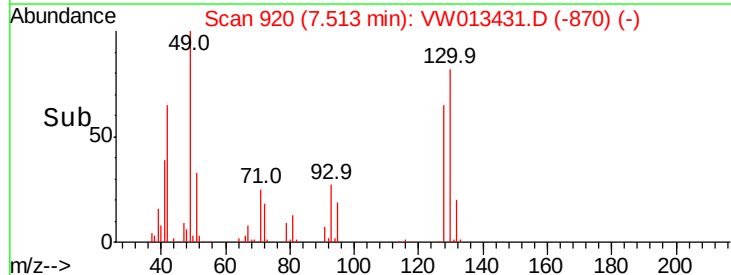
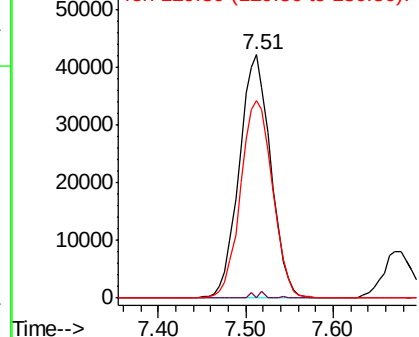


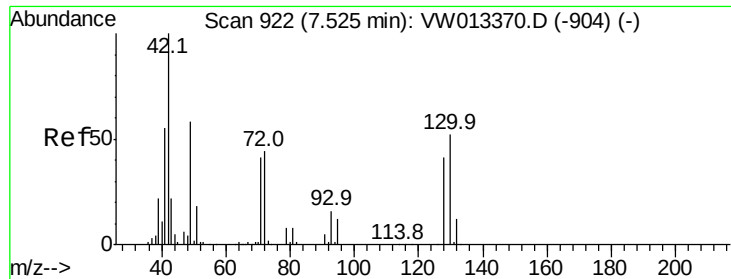
Abundance

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

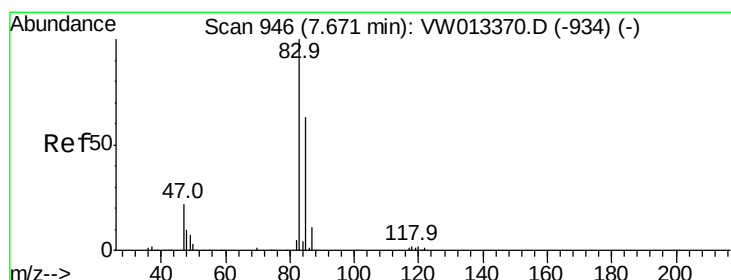
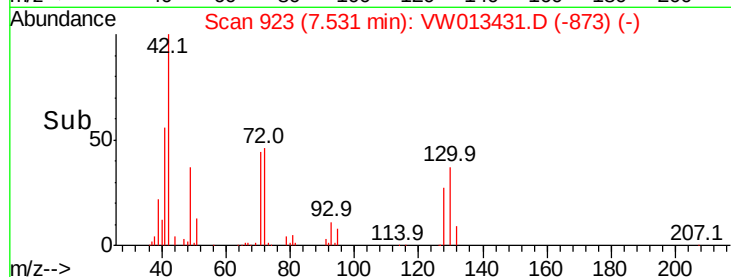
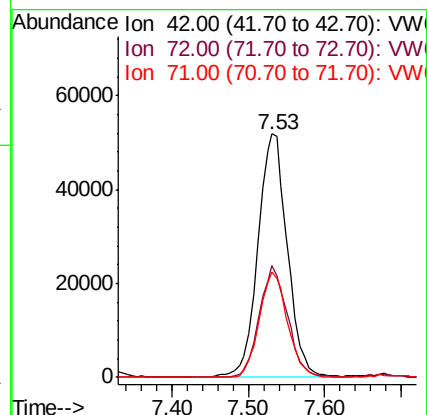
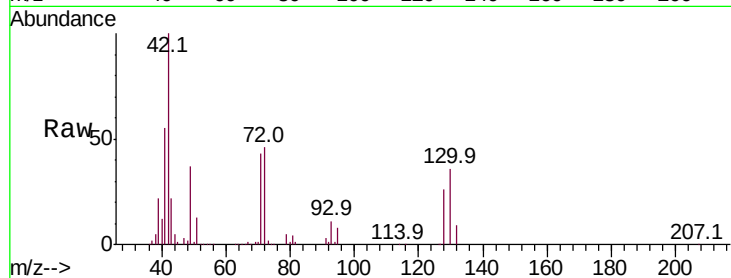




#29
Tetrahydrofuran
Concen: 255.583 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

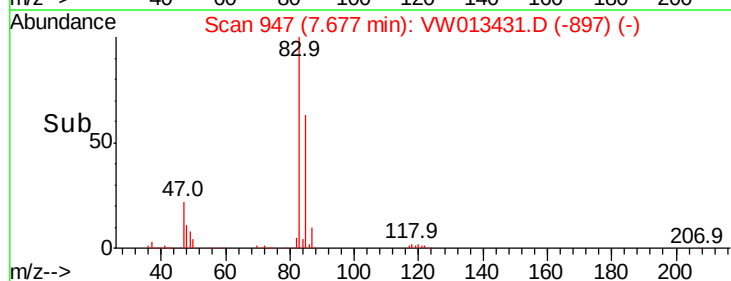
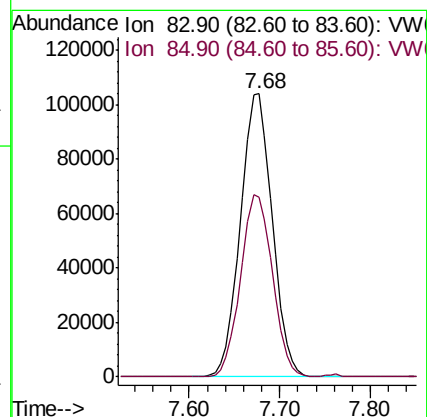
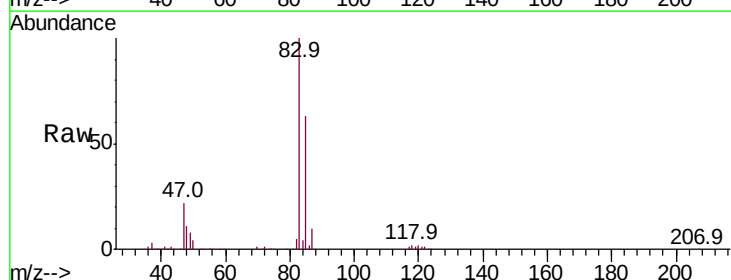
Instrument :
MSVOA_W
ClientSampleId :

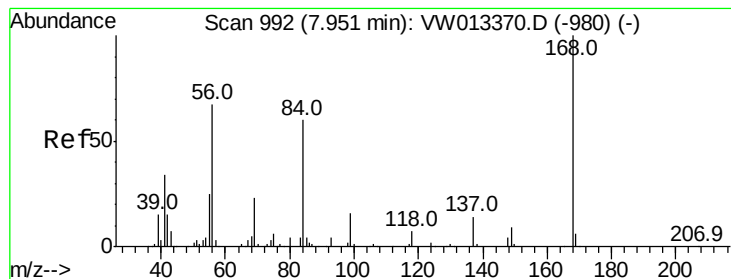
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.9	50.9
71	41.8	31.9	47.9



#30
Chloroform
Concen: 50.501 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5





#31

Cyclohexane

Concen: 50.773 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

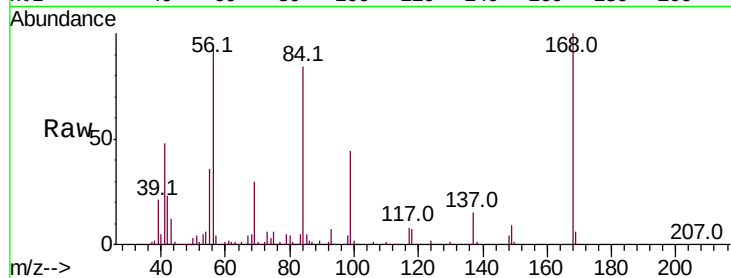
Tot Ion: 56 Resp: 276750

Ion Ratio Lower Upper

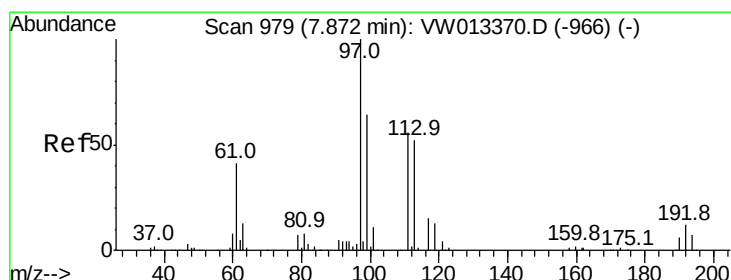
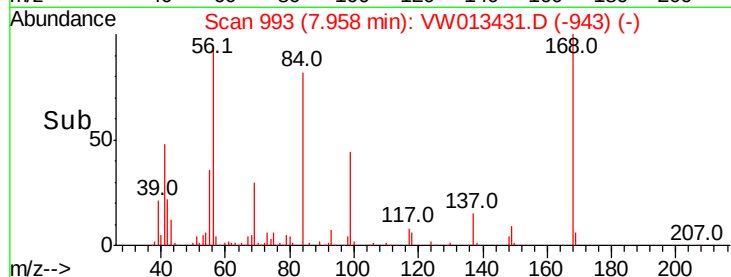
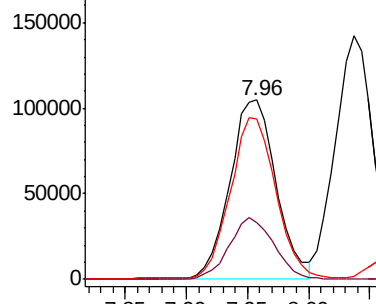
56 100

69 31.7 27.2 40.8

84 88.4 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: 52.431 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

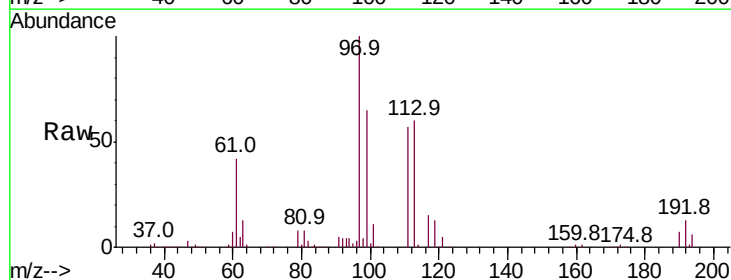
Tgt Ion: 97 Resp: 205861

Ion Ratio Lower Upper

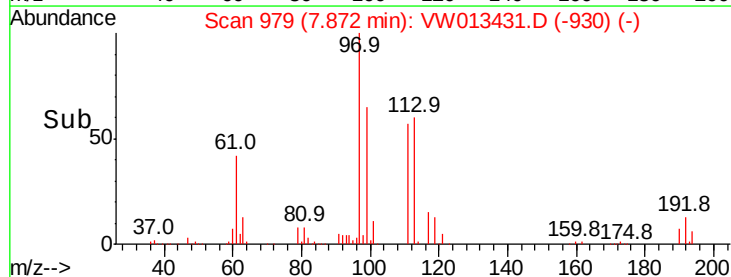
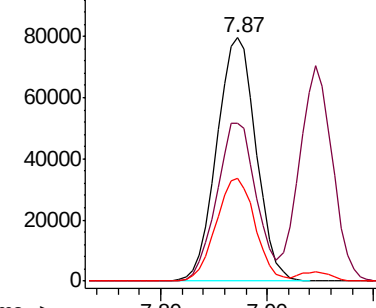
97 100

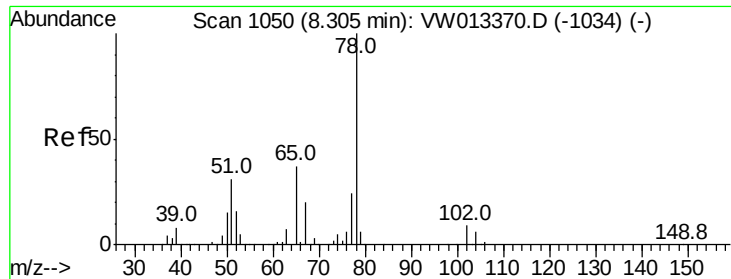
99 65.5 51.7 77.5

61 42.2 34.6 51.8



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

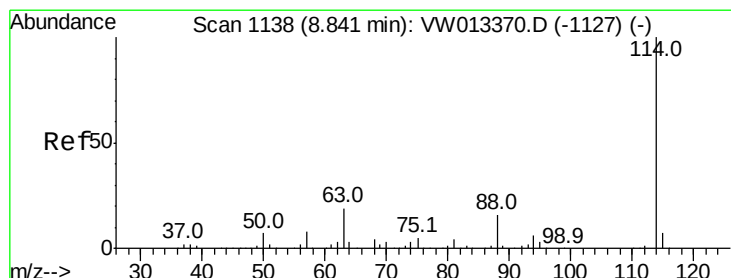
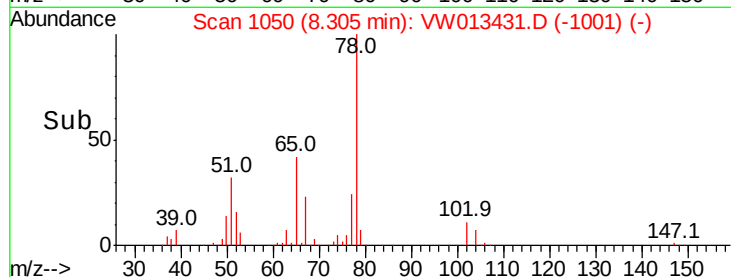
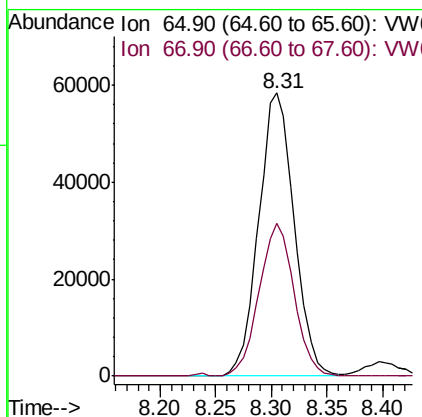
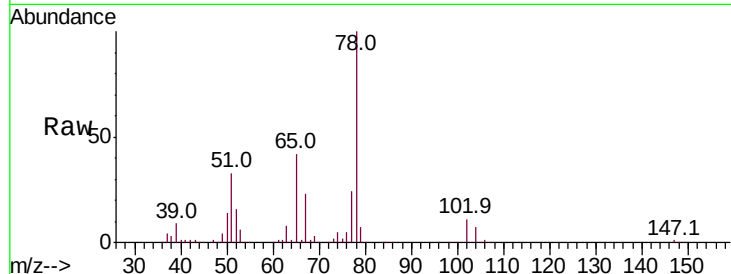




#33
 1,2-Dichloroethane-d4
 Concen: 54.403 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

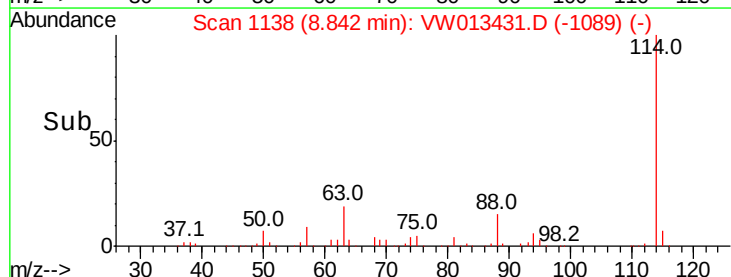
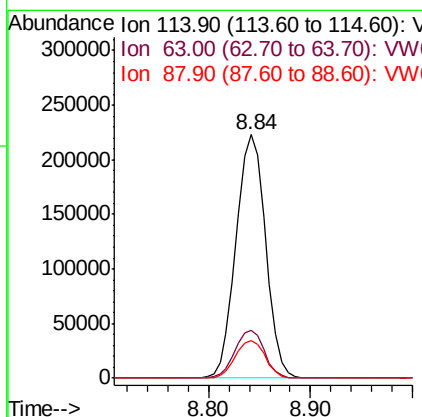
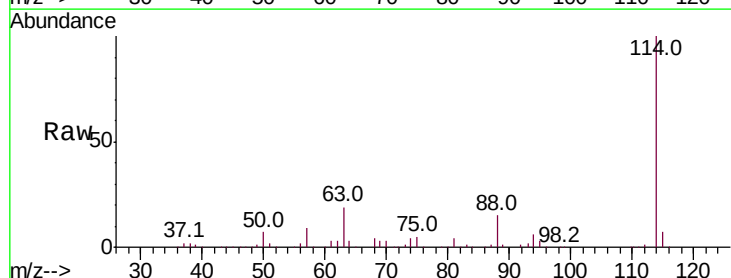
Instrument :
 MSVOA_W
 ClientSampleId :

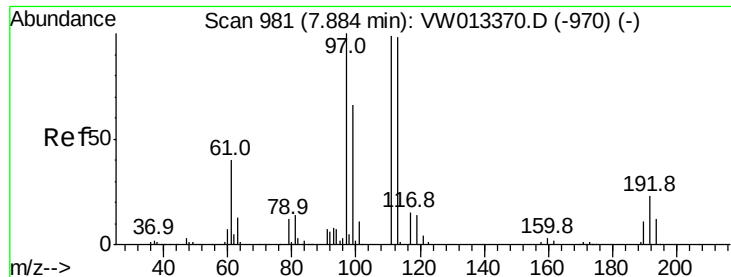
Tot Ion: 65 Resp: 129616
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion: 114 Resp: 448472
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 56.119 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :

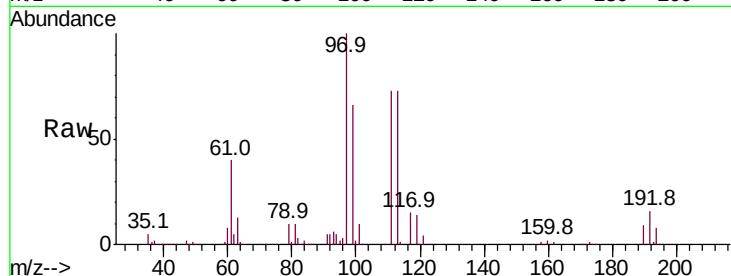
Tot Ion:113 Resp: 132062

Ion Ratio Lower Upper

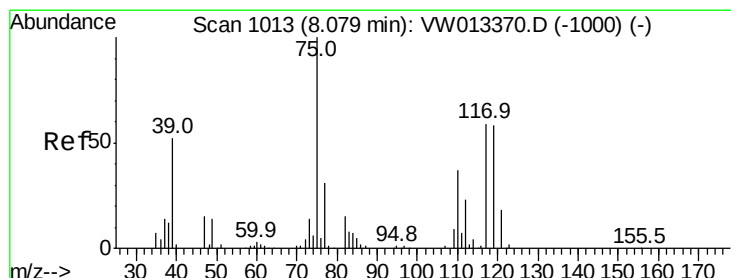
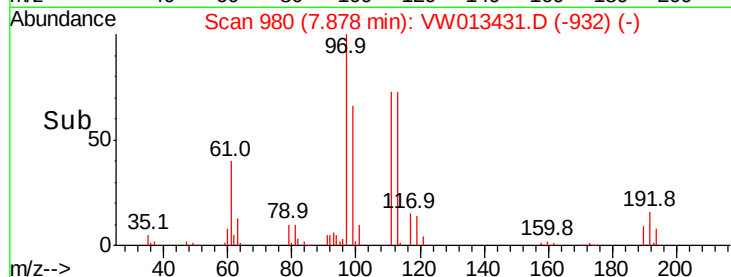
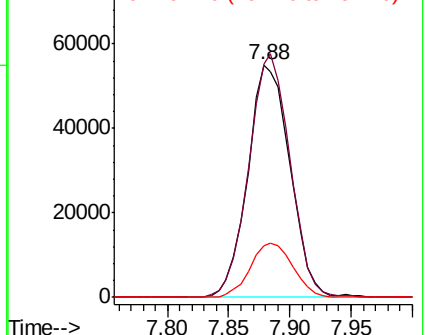
113 100

111 103.0 81.9 122.9

192 23.6 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.507 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

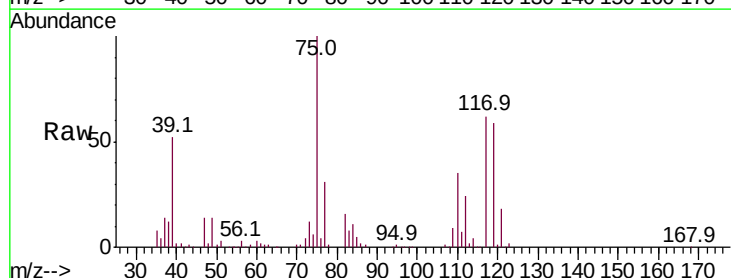
Tgt Ion: 75 Resp: 222879

Ion Ratio Lower Upper

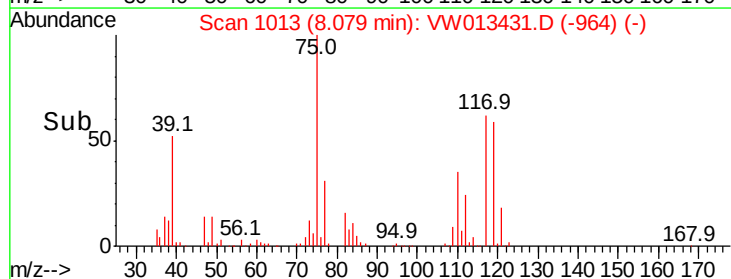
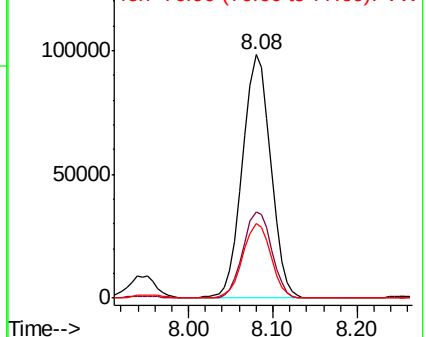
75 100

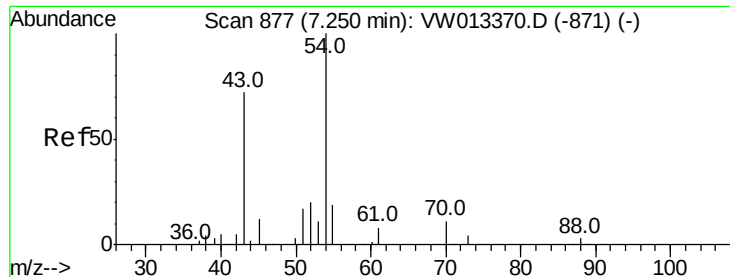
110 35.9 18.1 54.3

77 30.7 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

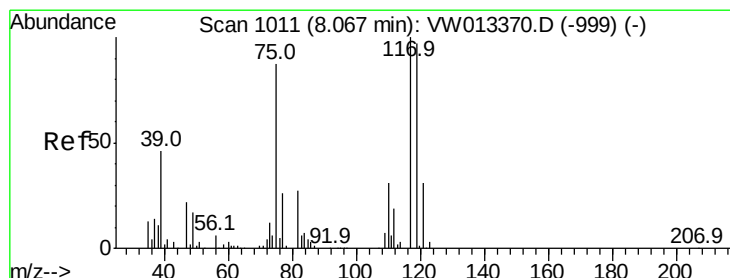
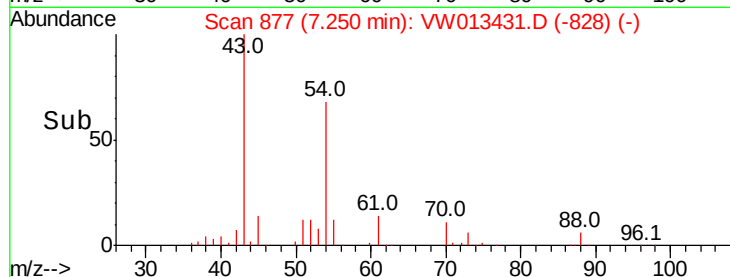
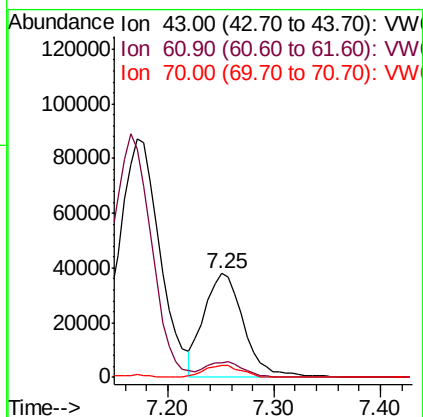
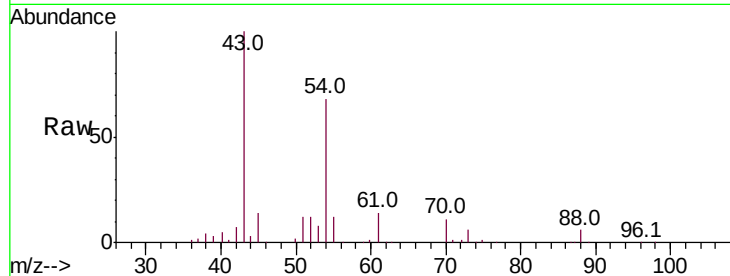




#37
Ethyl Acetate
Concen: 52.605 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

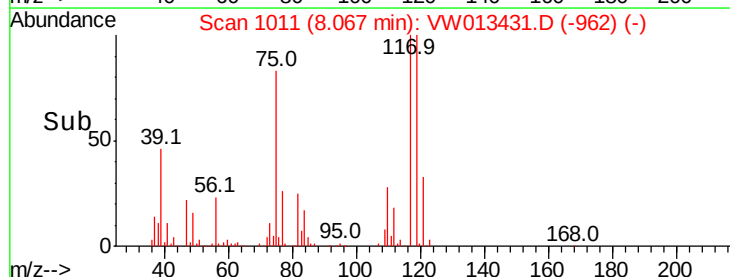
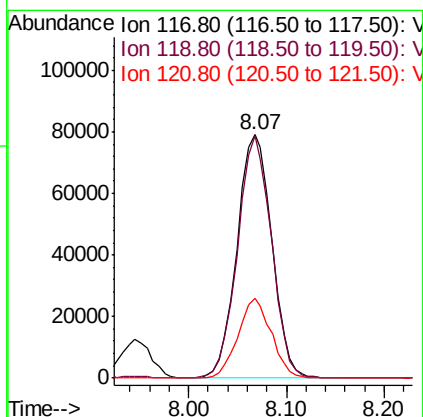
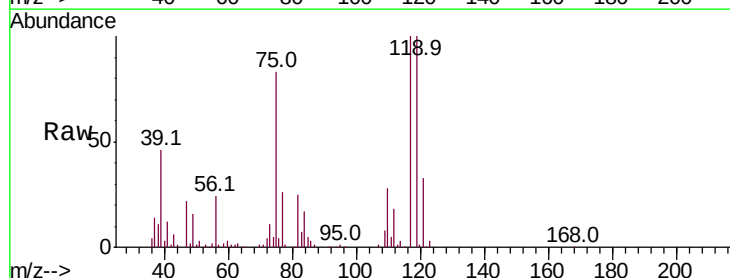
Instrument :
MSVOA_W
ClientSampled :

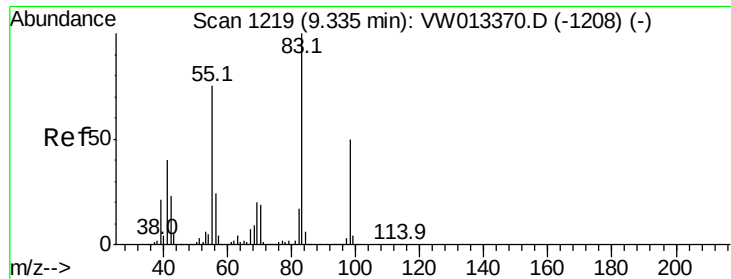
Tot Ion: 43 Resp: 96725
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 11.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 54.298 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion: 117 Resp: 195924
Ion Ratio Lower Upper
117 100
119 99.6 73.5 110.3
121 32.9 25.0 37.6

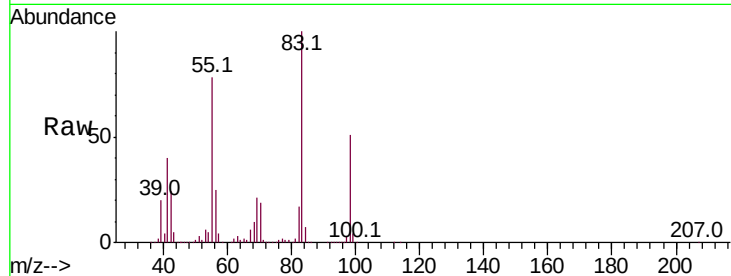




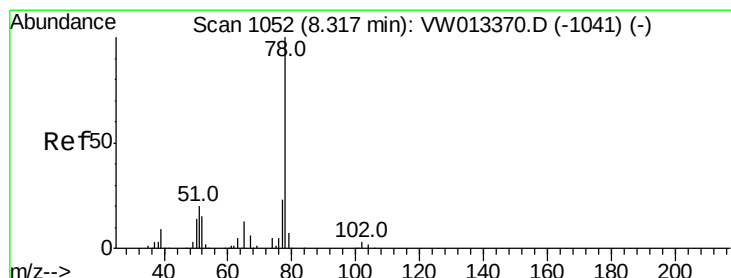
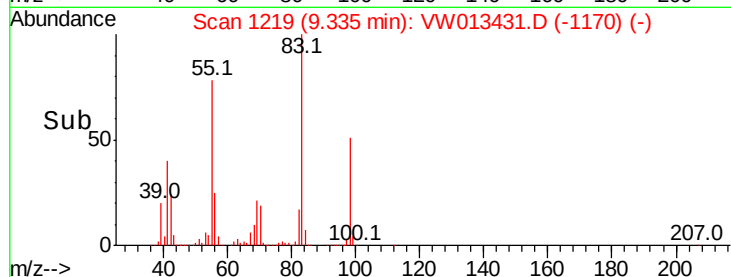
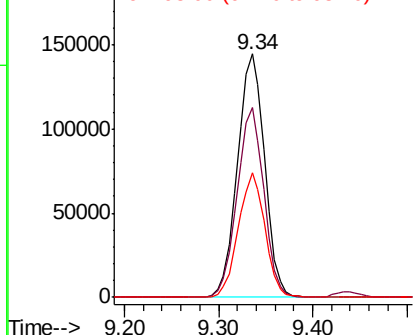
#39
Methylvlcyclohexane
Concen: 52.849 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	60.4	90.6
98	51.3	40.0	60.0

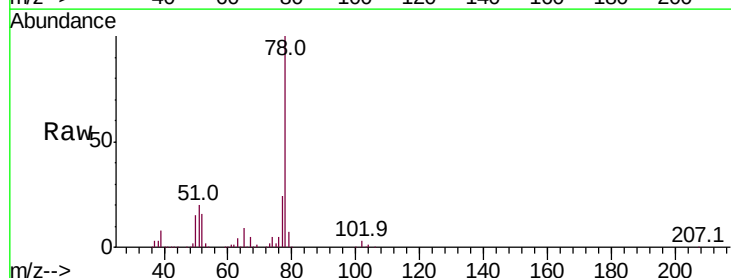


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

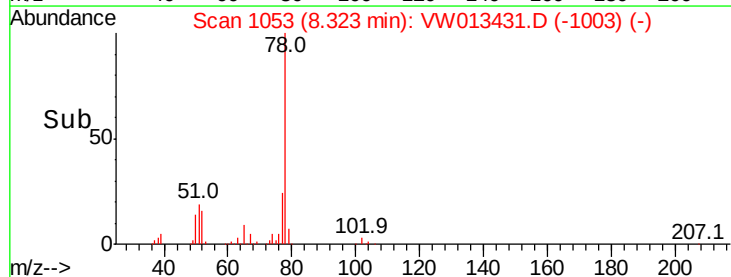
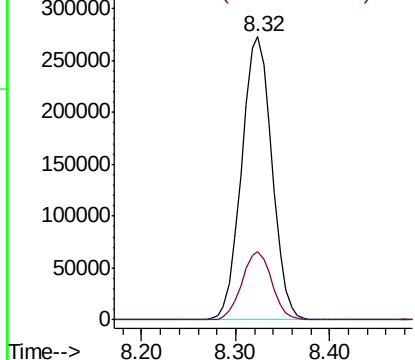


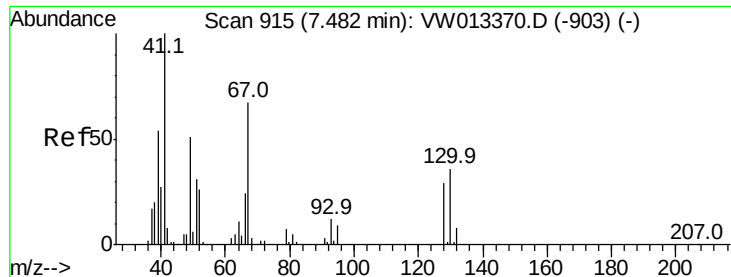
#40
Benzene
Concen: 52.307 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7



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





#41

Methacrylonitrile

Concen: 55.883 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 61943

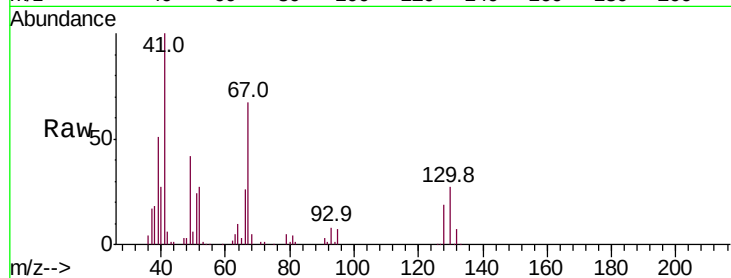
Ion Ratio Lower Upper

41 100

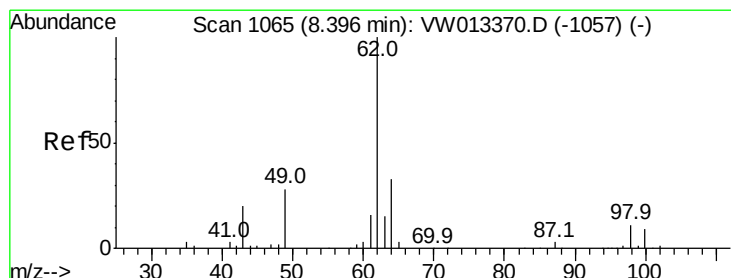
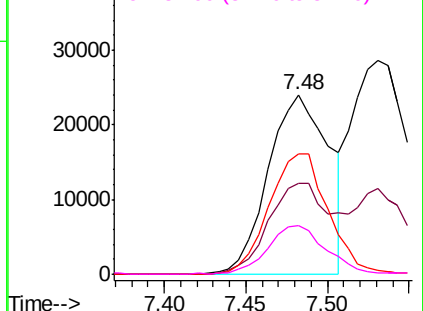
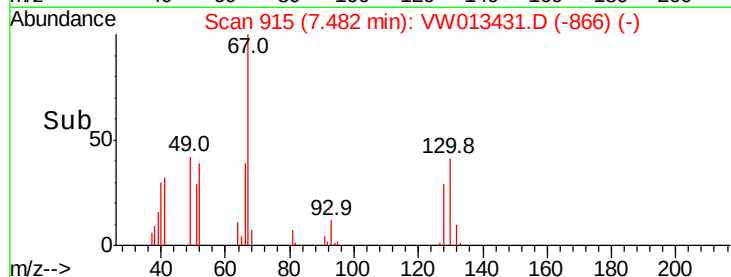
39 55.4 45.9 68.9

67 65.9 54.5 81.7

52 26.3 22.5 33.7



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



#42

1,2-Dichloroethane

Concen: 52.348 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013431.D

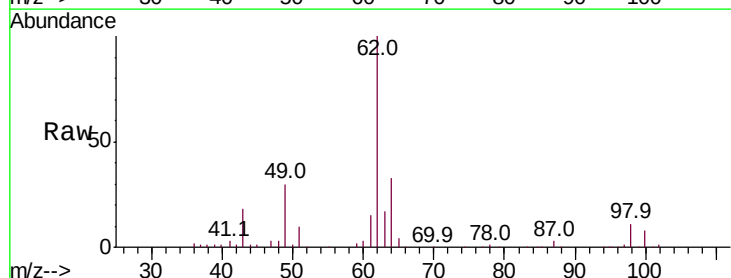
Acq: 04 Oct 2019 10:42

Tgt Ion: 62 Resp: 158646

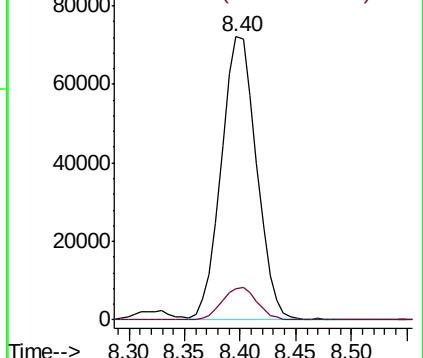
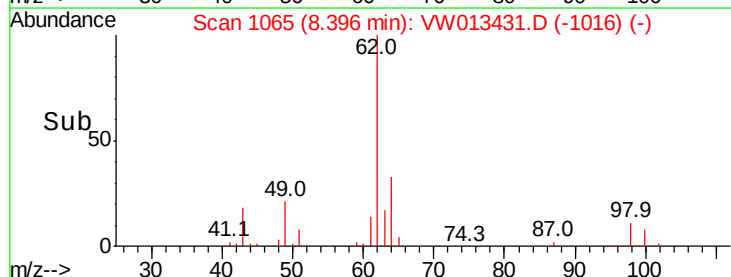
Ion Ratio Lower Upper

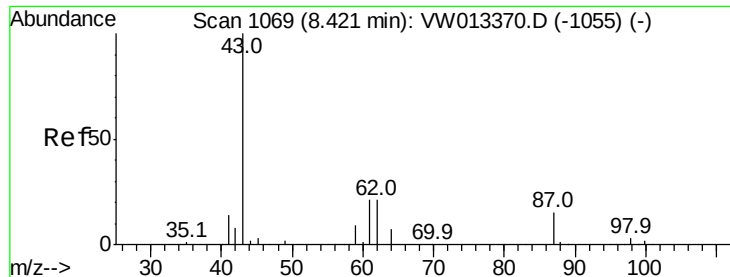
62 100

98 11.3 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 54.088 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

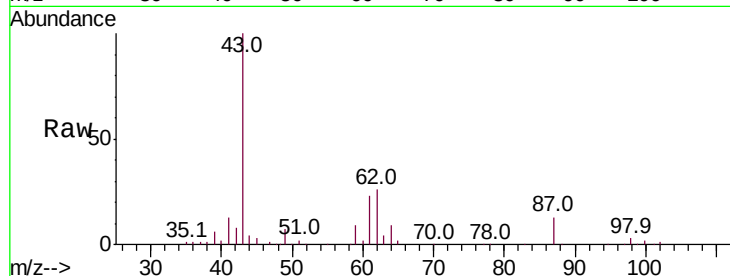
Tot Ion: 43 Resp: 187146

Ion Ratio Lower Upper

43 100

61 30.0 25.5 38.3

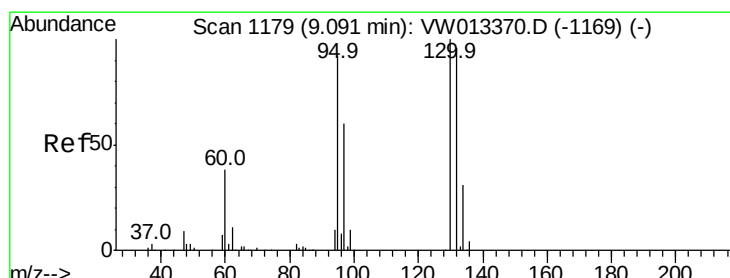
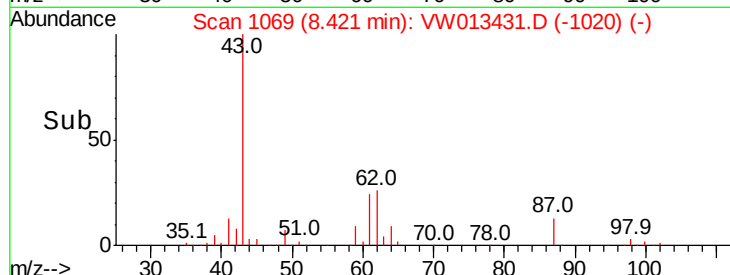
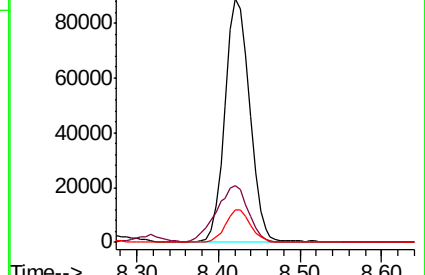
87 13.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.590 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013431.D

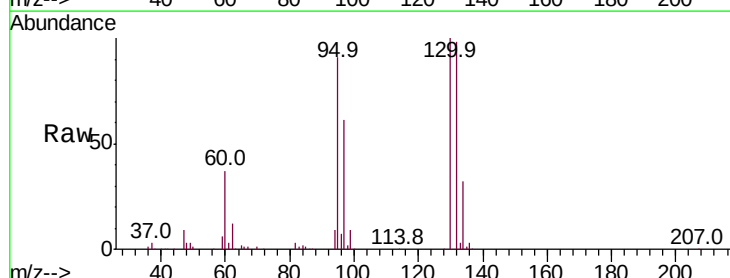
Acq: 04 Oct 2019 10:42

Tgt Ion:130 Resp: 174625

Ion Ratio Lower Upper

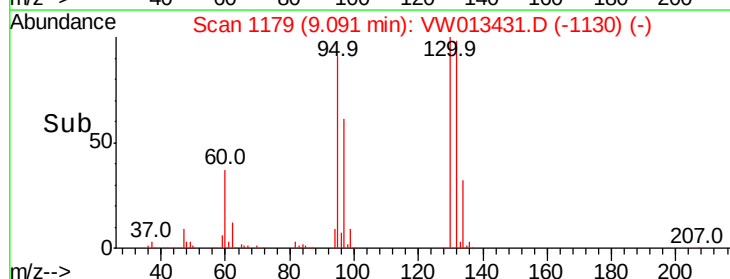
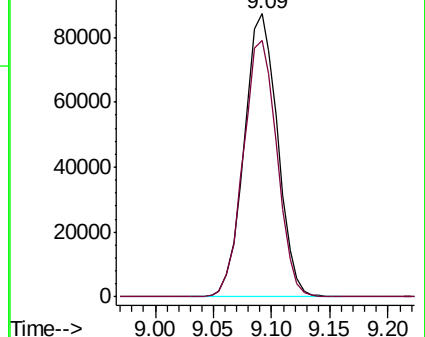
130 100

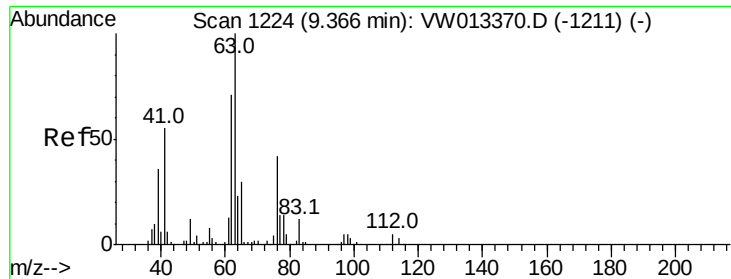
95 90.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 52.143 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

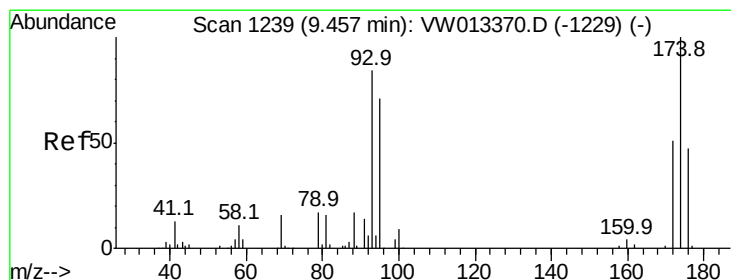
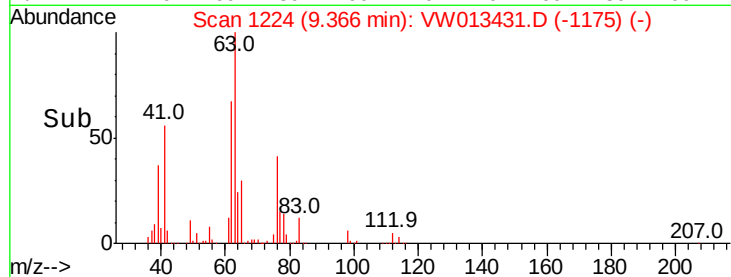
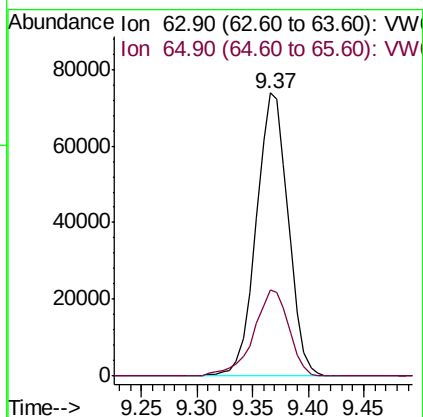
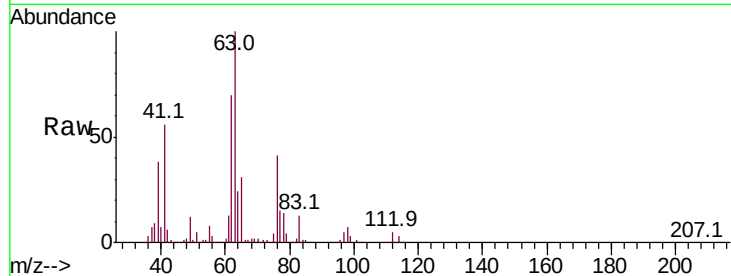
ClientSampleId :

Tot Ion: 63 Resp: 147622

Ion Ratio Lower Upper

63 100

65 30.7 25.3 37.9



#46

Dibromomethane

Concen: 52.873 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

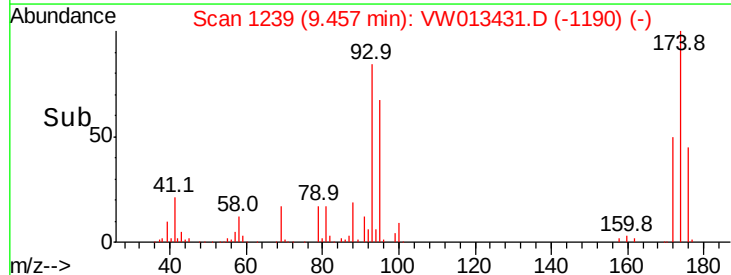
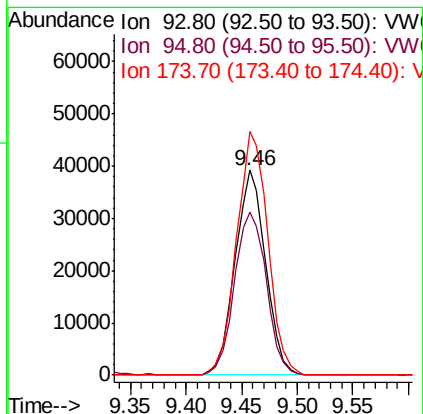
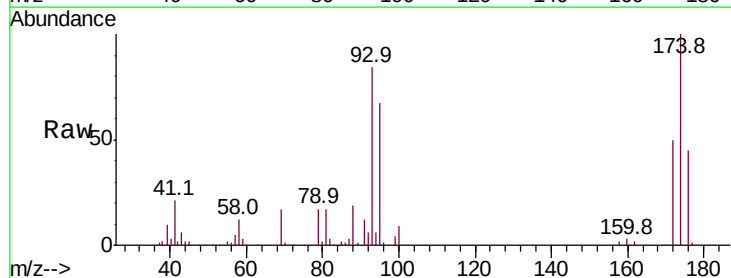
Tgt Ion: 93 Resp: 74559

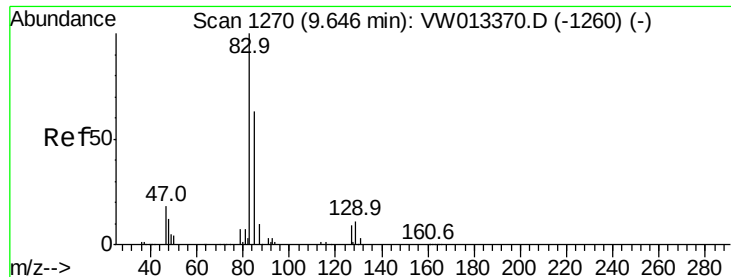
Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

174 121.3 93.0 139.6





#47

Bromodichloromethane

Concen: 53.575 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

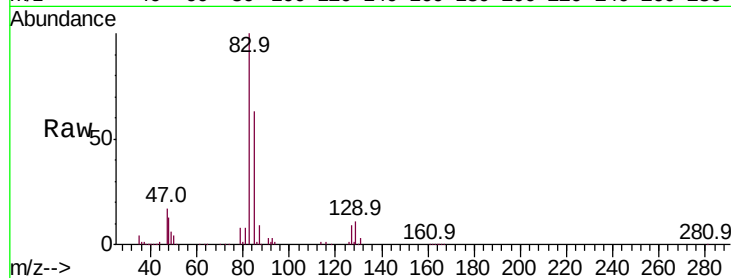
Tot Ion: 83 Resp: 185982

Ion Ratio Lower Upper

83 100

85 63.2 49.4 74.2

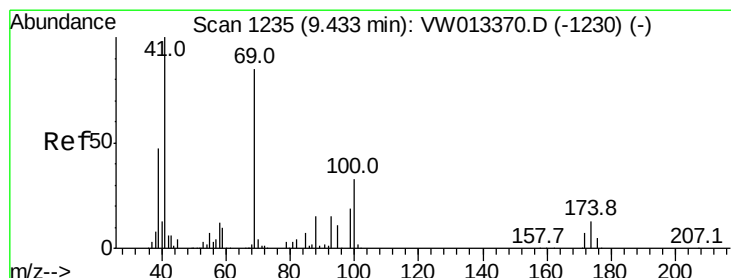
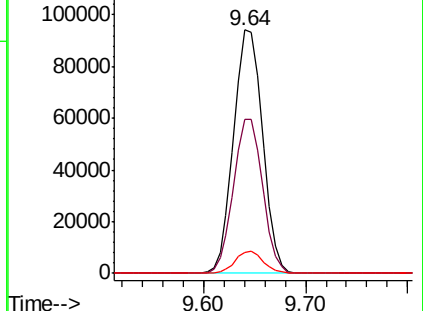
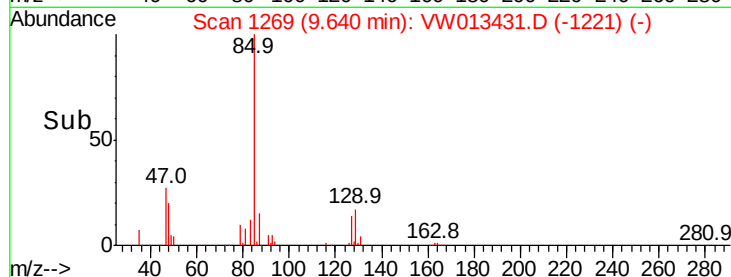
127 8.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.849 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

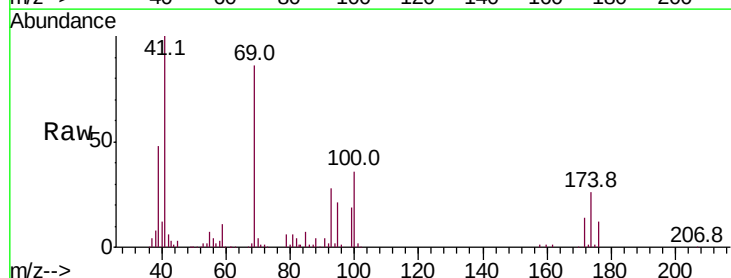
Tgt Ion: 41 Resp: 92849

Ion Ratio Lower Upper

41 100

69 82.5 69.7 104.5

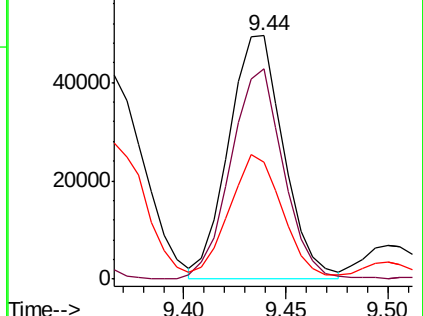
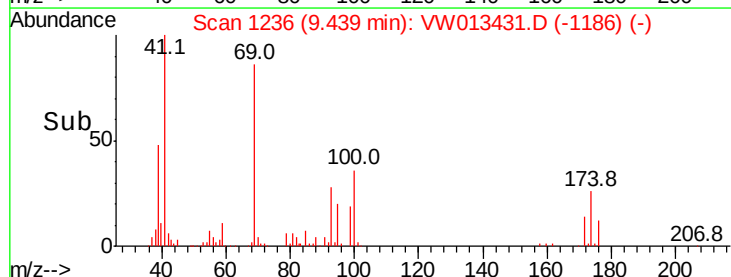
39 46.3 41.1 61.7

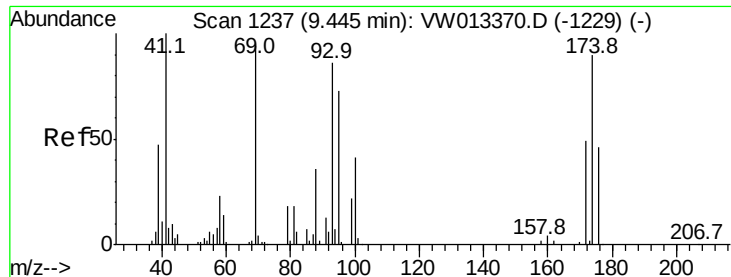


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1279.004 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampled :

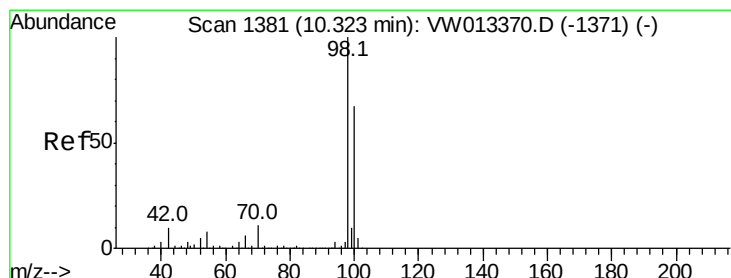
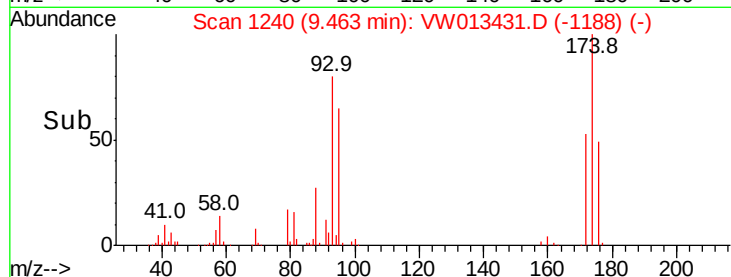
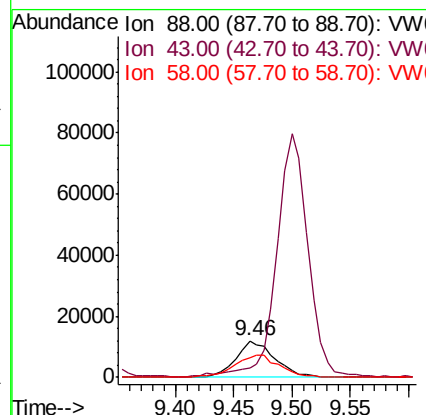
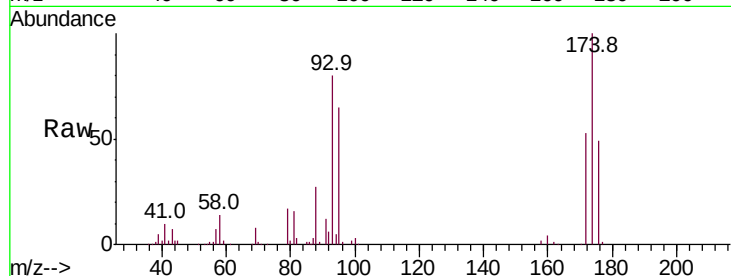
Tot Ion: 88 Resp: 27687

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 70.4 65.4 98.0



#50

Toluene-d8

Concen: 56.836 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013431.D

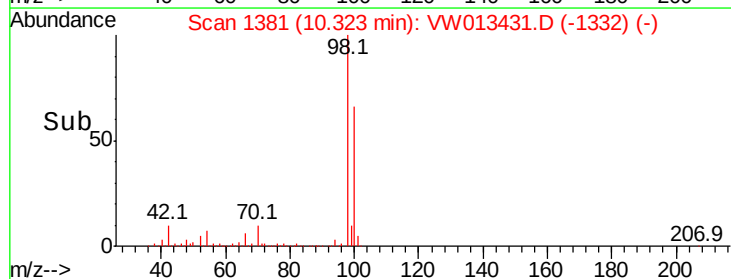
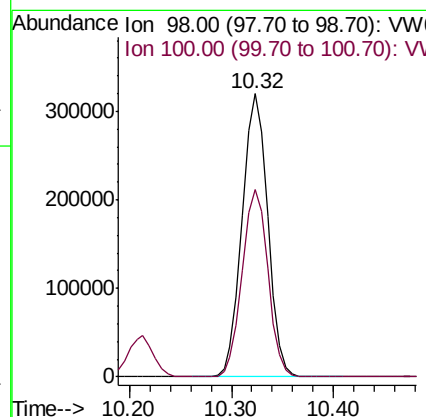
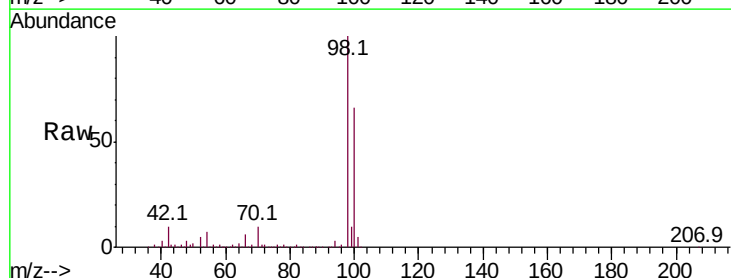
Acq: 04 Oct 2019 10:42

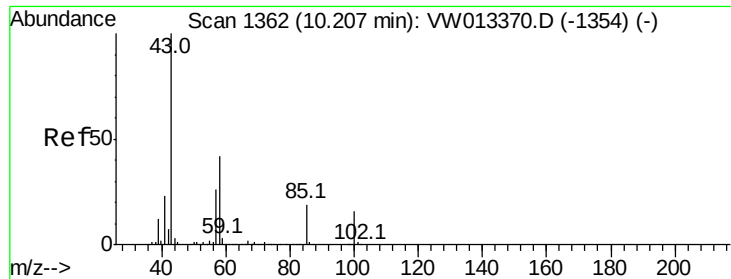
Tgt Ion: 98 Resp: 555030

Ion Ratio Lower Upper

98 100

100 66.6 52.9 79.3

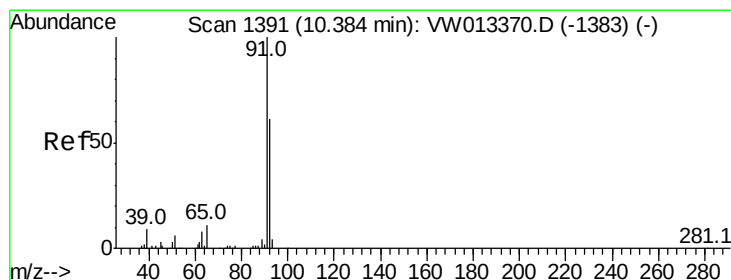
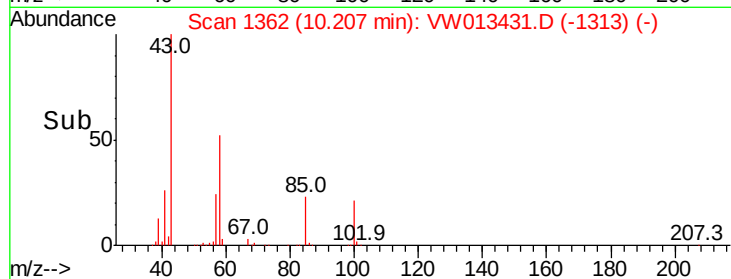
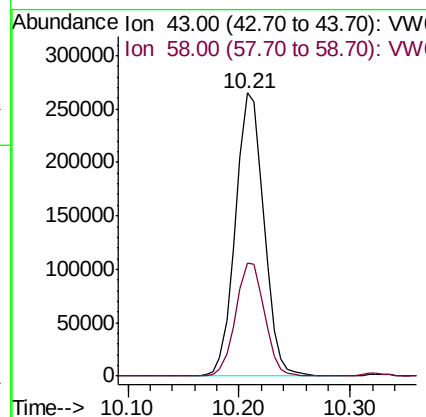
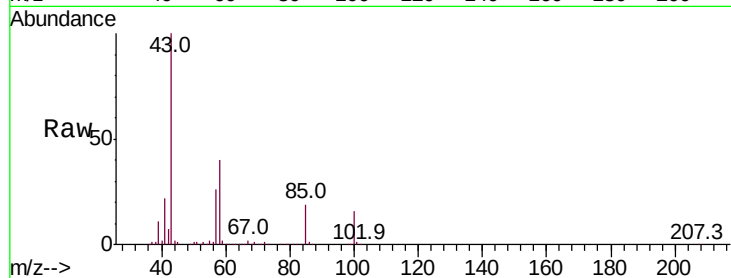




#51
 4-Methyl-2-Pentanone
 Concen: 257.990 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

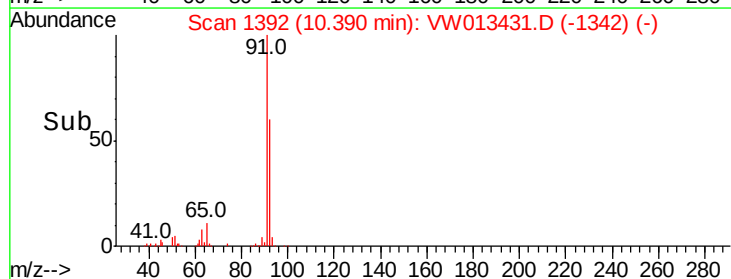
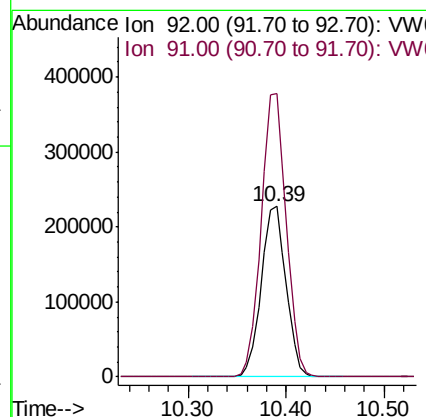
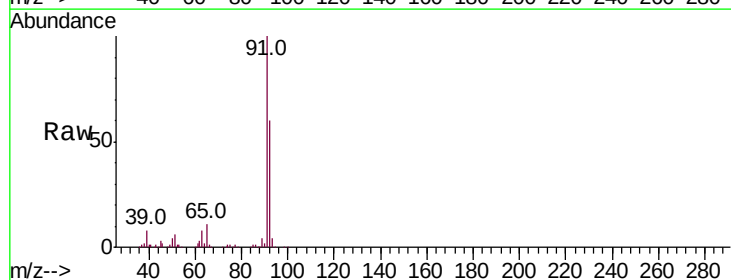
Instrument :
 MSVOA_W
 ClientSampled :

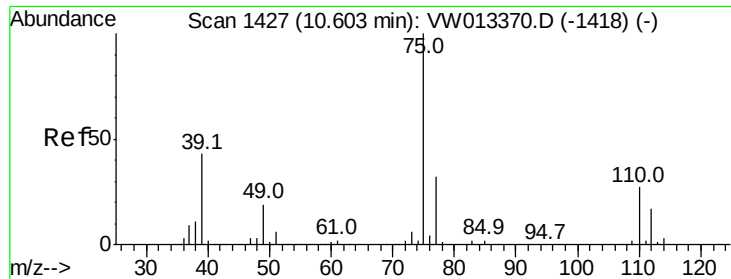
Tot Ion: 43 Resp: 468995
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.7 47.5



#52
 Toluene
 Concen: 52.547 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion: 92 Resp: 399647
 Ion Ratio Lower Upper
 92 100
 91 168.4 135.7 203.5

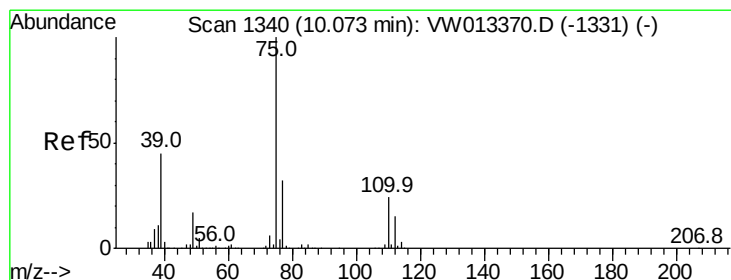
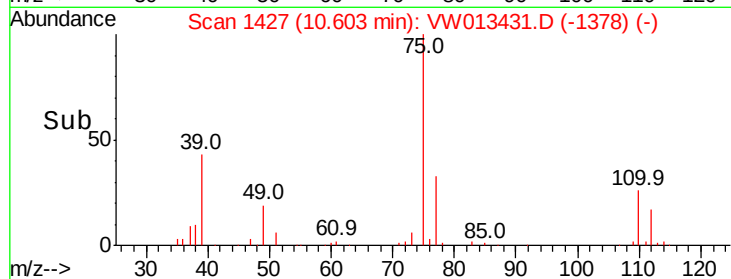
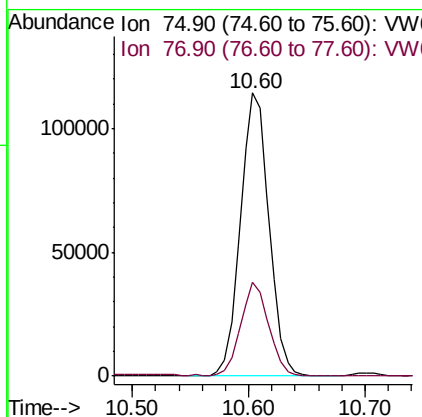
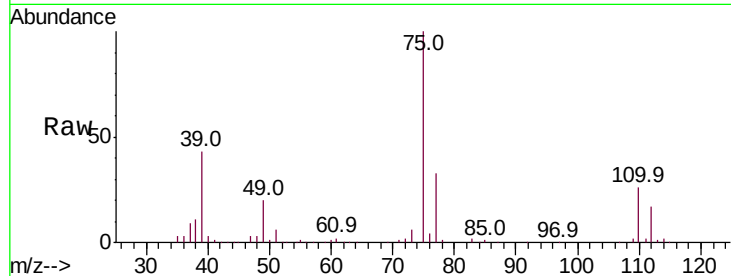




#53
 t-1,3-Dichloropropene
 Concen: 54.172 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

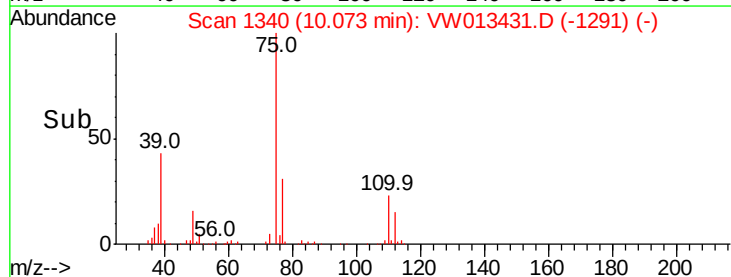
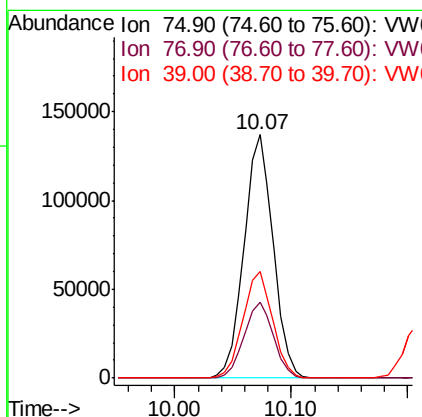
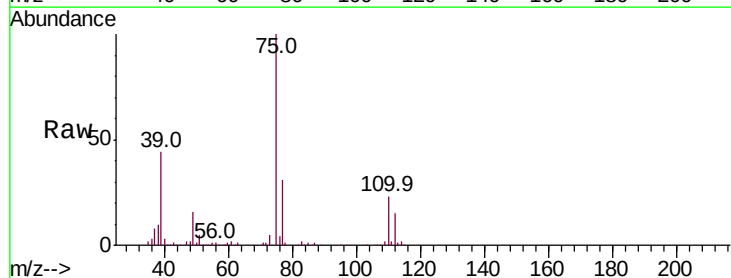
Instrument :
 MSVOA_W
 ClientSampled :

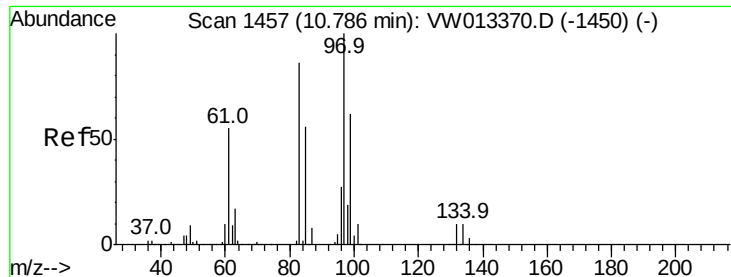
Tot Ion: 75 Resp: 195606
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 54.568 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion: 75 Resp: 238895
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8
 39 43.6 36.6 55.0

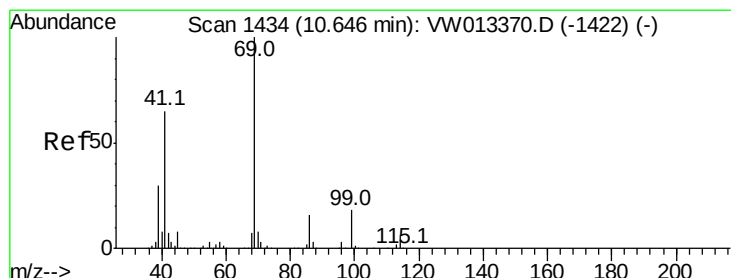
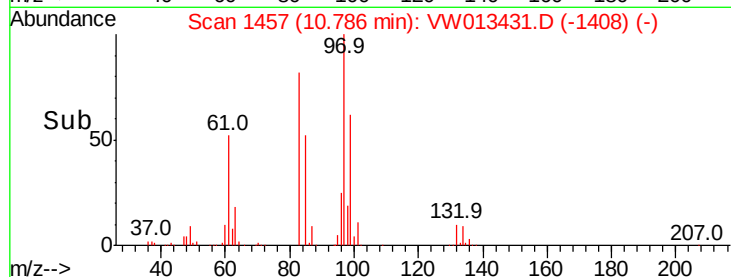
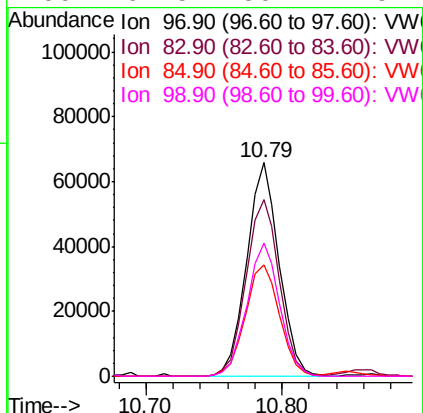
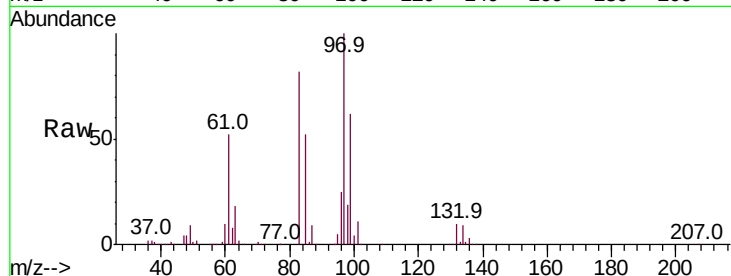




#55
 1,1,2-Trichloroethane
 Concen: 52.150 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

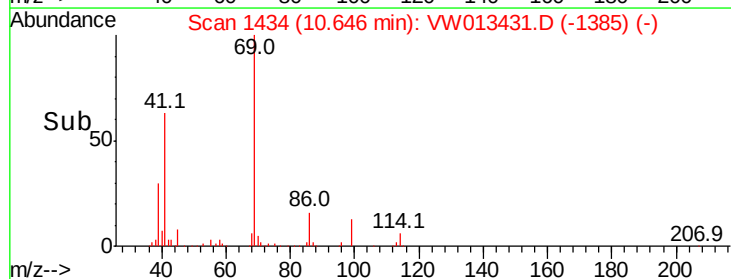
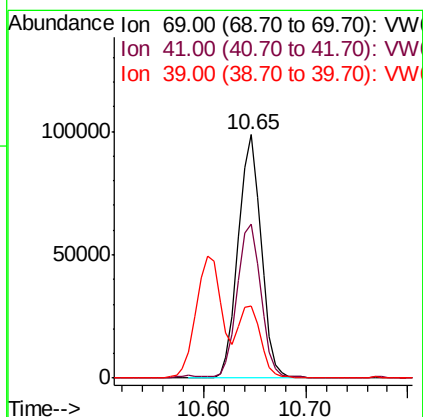
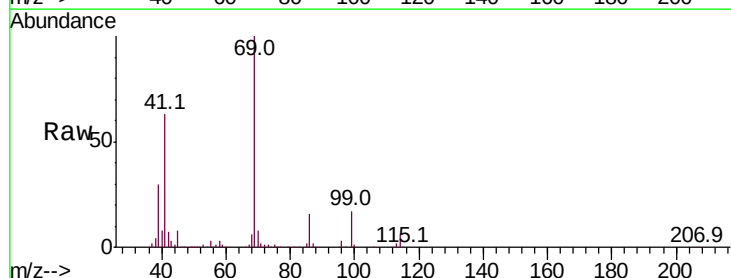
Instrument :
 MSVOA_W
 ClientSampled :

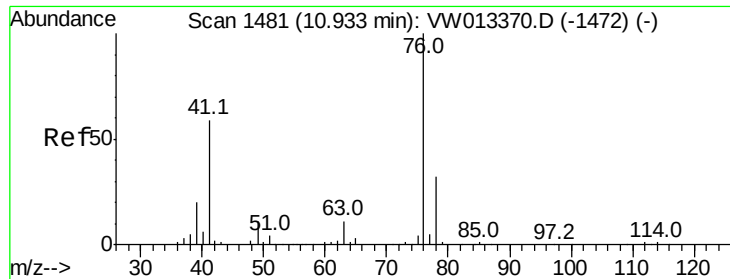
Tot Ion	97	Resp	109704
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.6	101.4
85	52.3	41.9	62.9
99	62.5	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 54.310 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	69	Resp	153777
Ion	Ratio	Lower	Upper
69	100		
41	64.8	53.9	80.9
39	28.1	23.8	35.6





#57

1,3-Dichloropropane

Concen: 52.575 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

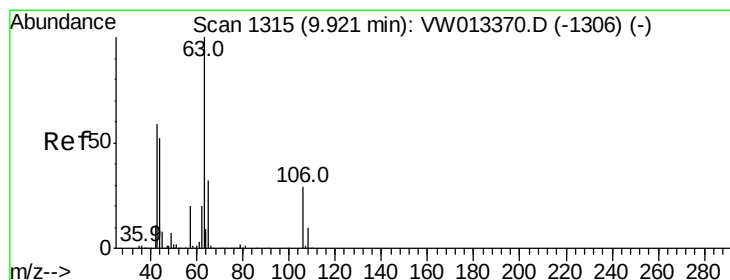
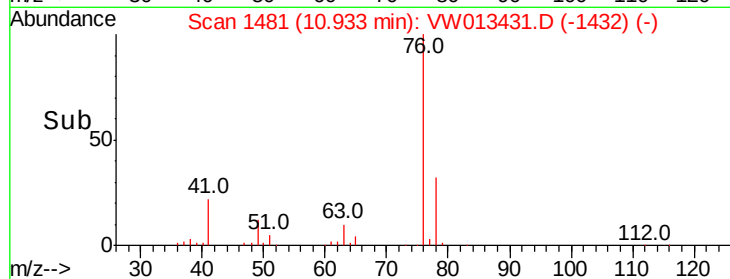
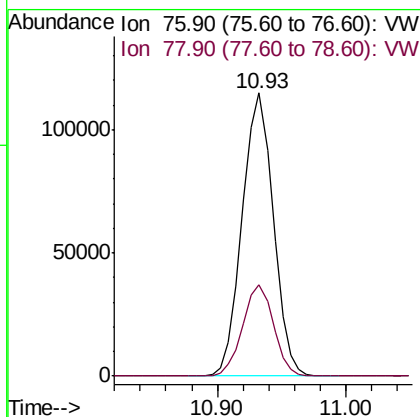
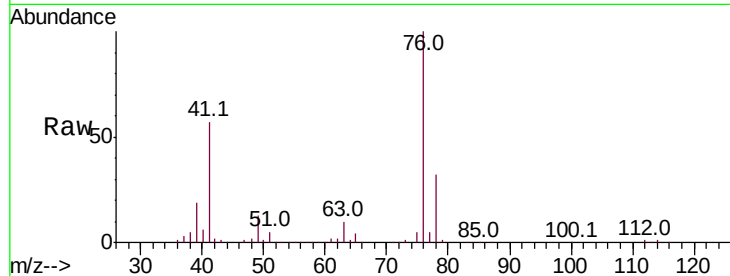
Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 192270

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 285.794 ug/l

RT: 9.92 min Scan# 1315

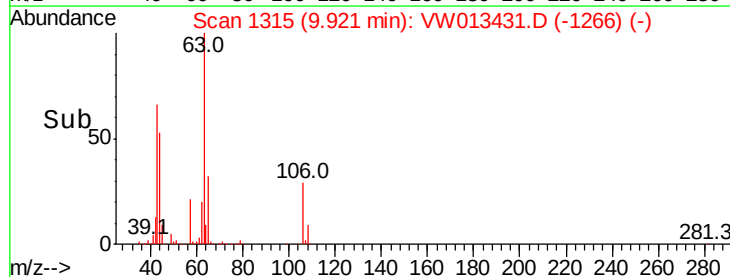
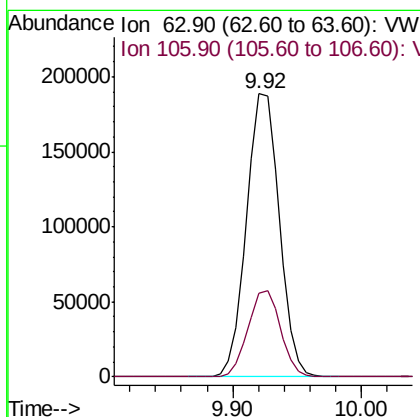
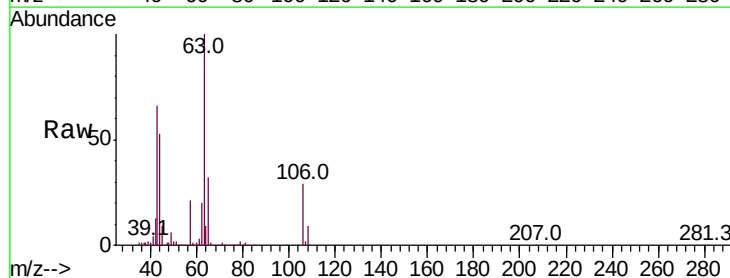
Delta R.T. 0.00 min

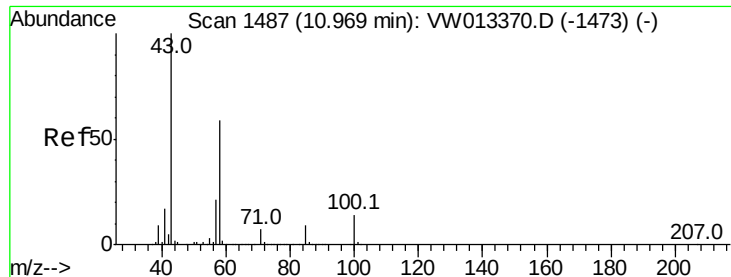
Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion: 63 Resp: 332408

Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.4	35.0

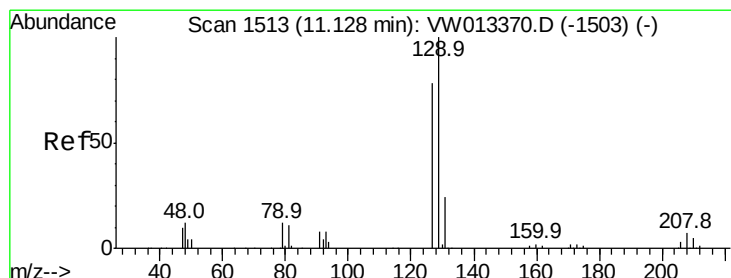
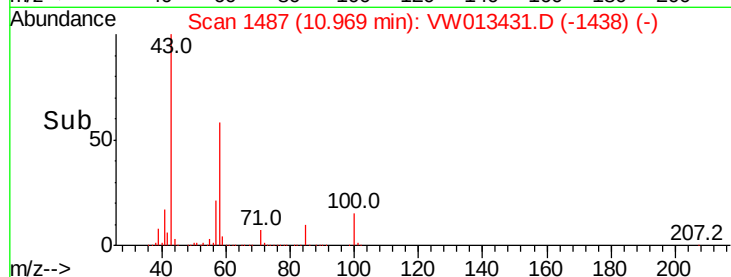
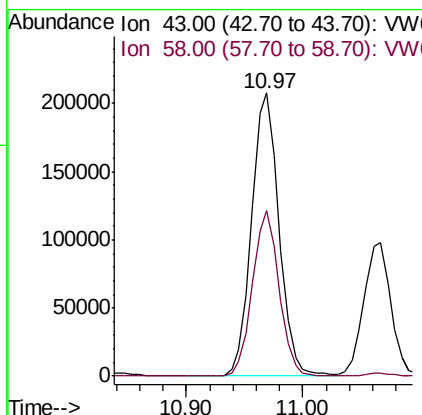
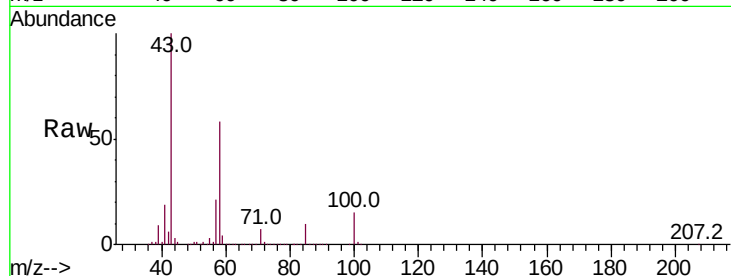




#59
2-Hexanone
Concen: 270.938 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

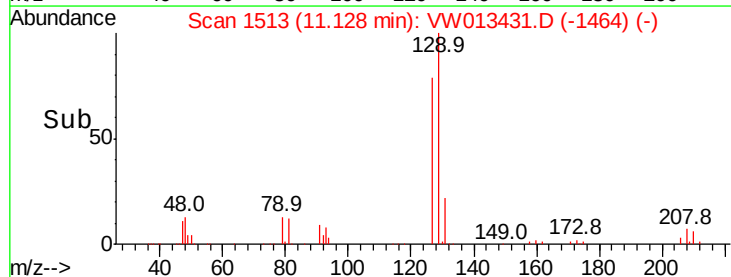
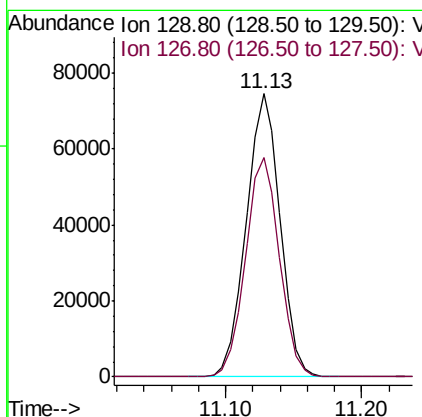
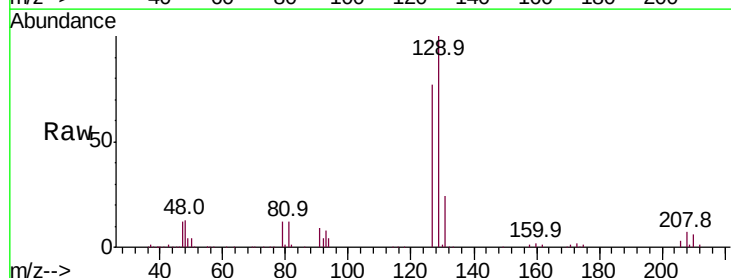
Instrument :
MSVOA_W
ClientSampleId :

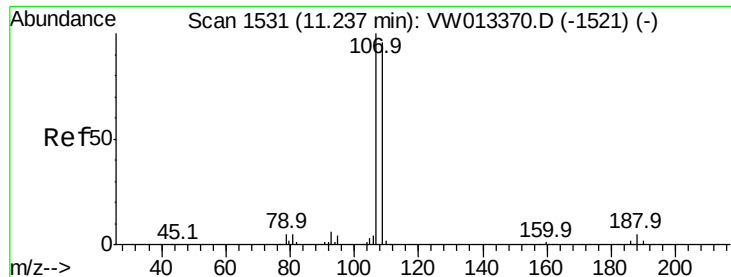
Tot Ion: 43 Resp: 341389
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.2



#60
Dibromochloromethane
Concen: 53.921 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion: 129 Resp: 129765
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.4

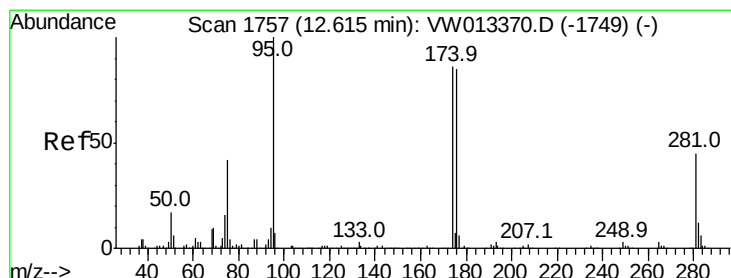
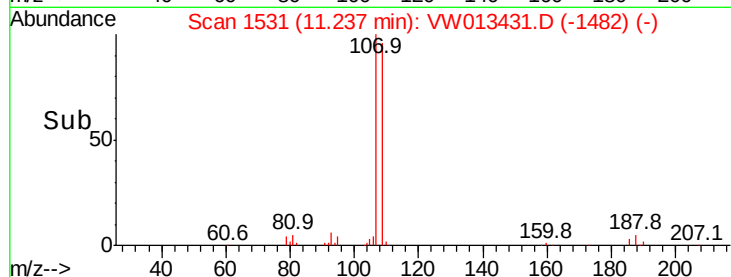
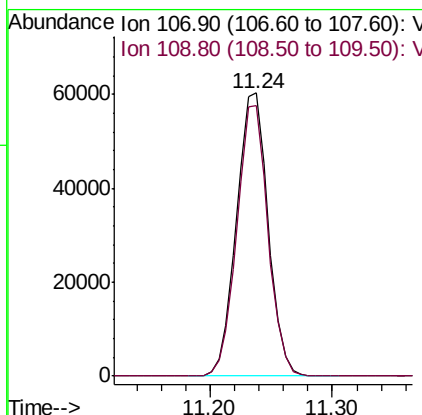
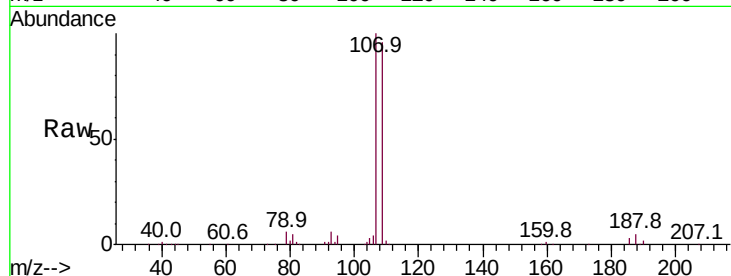




#61
 1,2-Dibromoethane
 Concen: 52.979 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

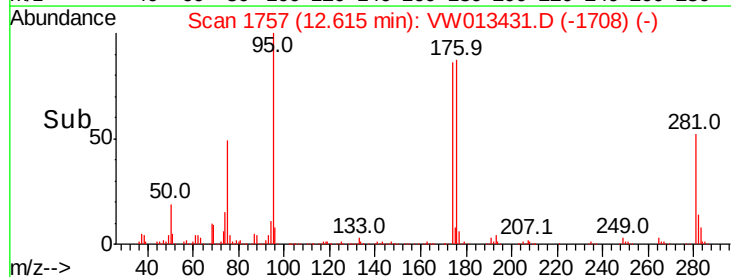
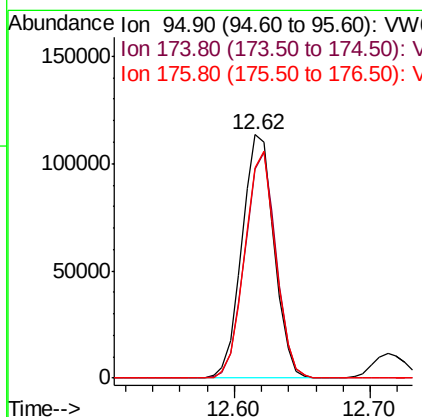
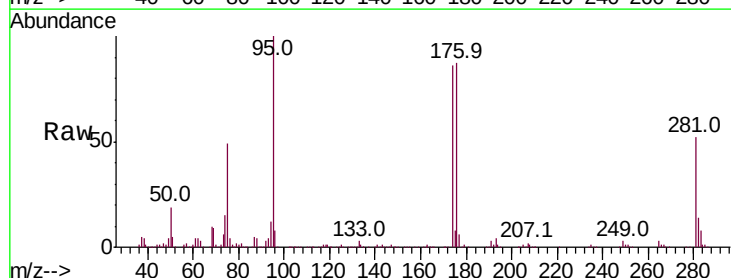
Instrument :
 MSVOA_W
 ClientSampleId :

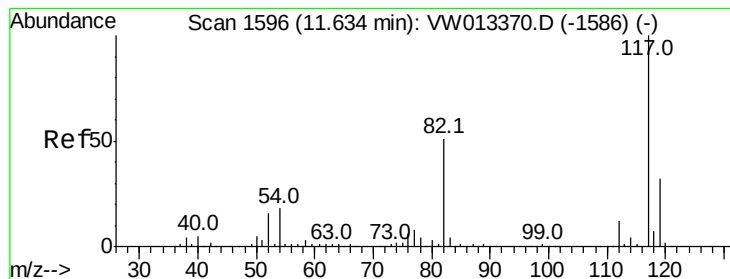
Tot Ion:107 Resp: 107693
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 57.512 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion: 95 Resp: 187549
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 178.4
 176 89.8 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

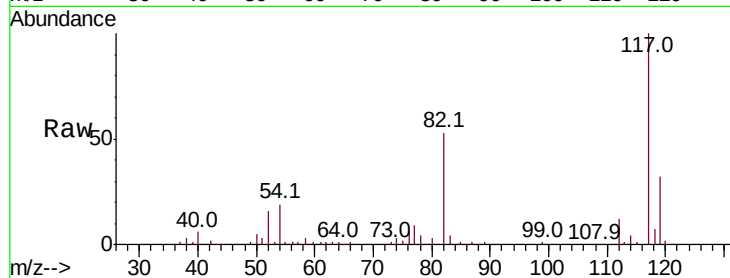
Tot Ion:117 Resp: 385773

Ion Ratio Lower Upper

117 100

82 53.2 45.9 68.9

119 31.5 26.2 39.2

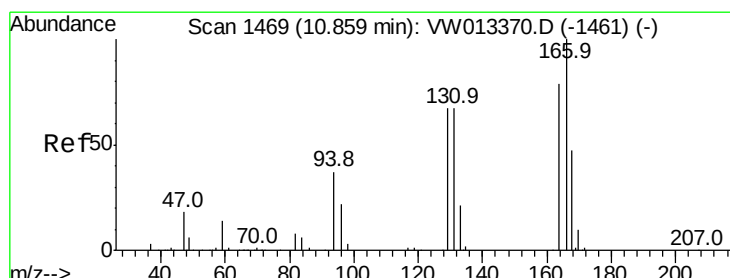
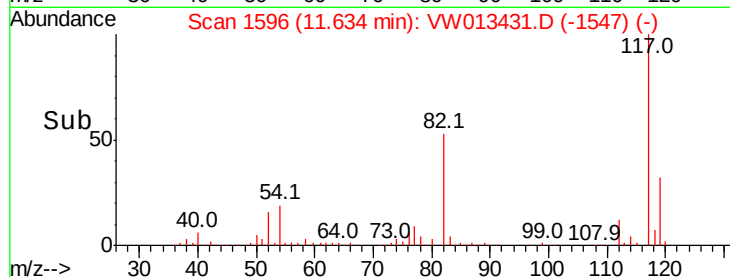
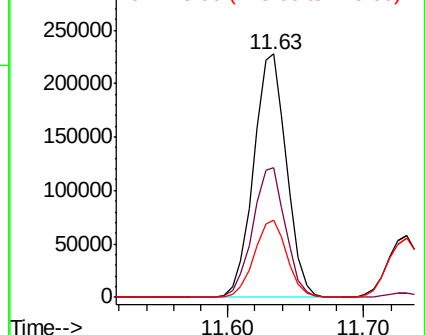


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.458 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion:164 Resp: 151024

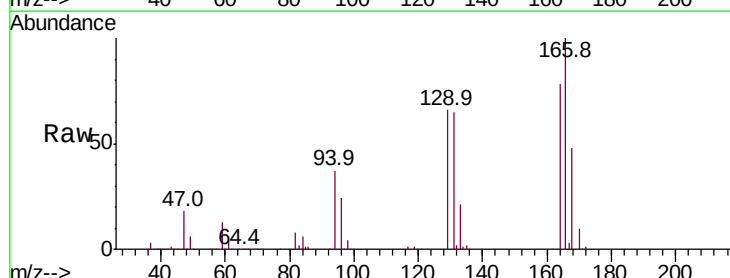
Ion Ratio Lower Upper

164 100

166 128.0 101.2 151.8

129 84.4 68.8 103.2

131 83.1 65.2 97.8



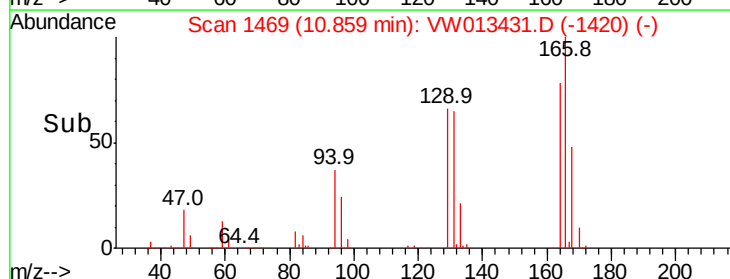
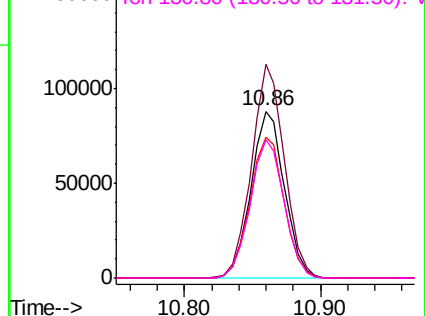
Abundance

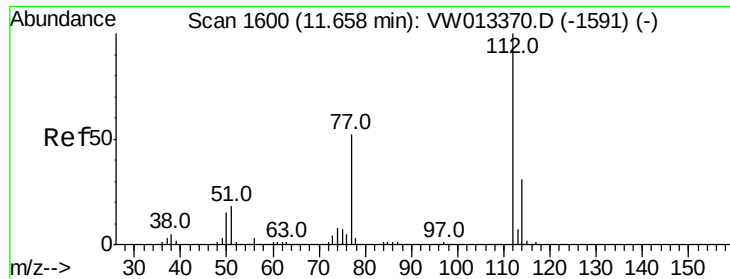
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

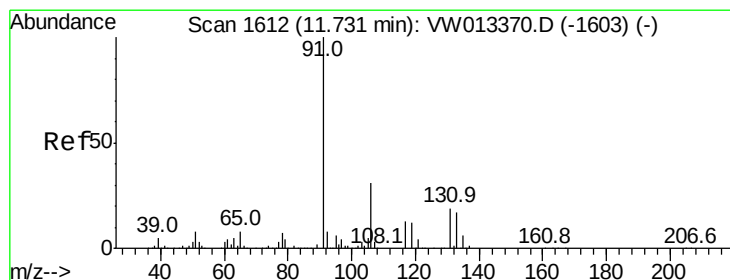
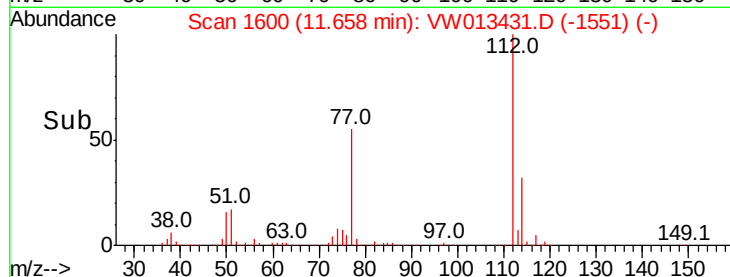
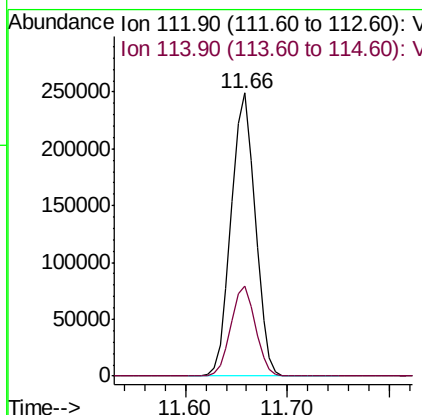
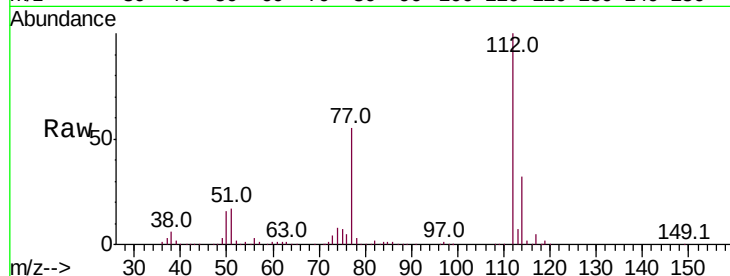




#65
Chlorobenzene
Concen: 51.487 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

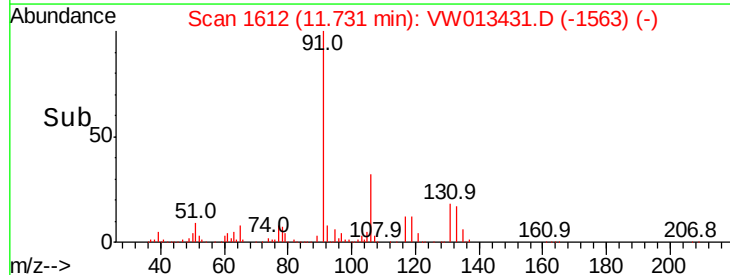
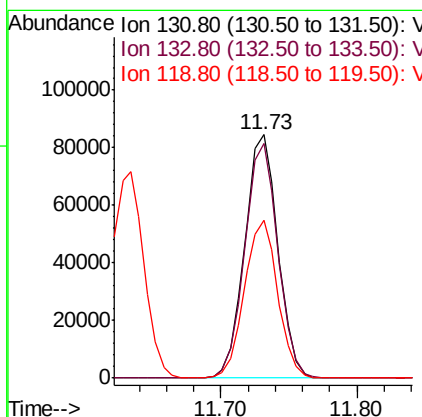
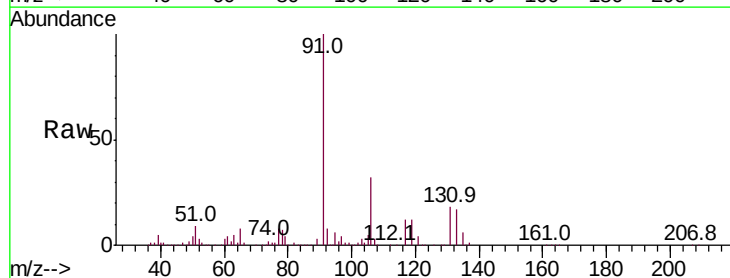
Instrument :
MSVOA_W
ClientSampled :

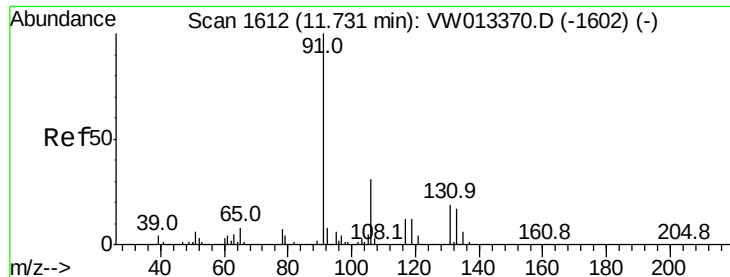
Tot Ion:112 Resp: 406919
Ion Ratio Lower Upper
112 100
114 31.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.626 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion:131 Resp: 144353
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 65.0 32.5 97.5

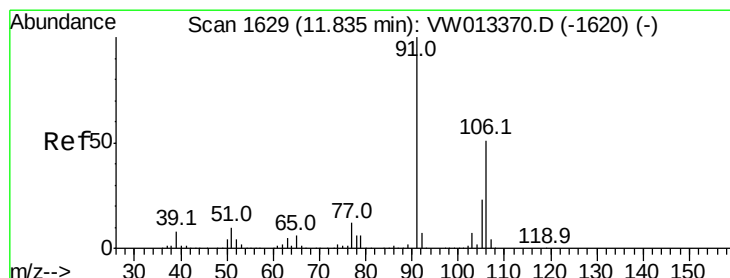
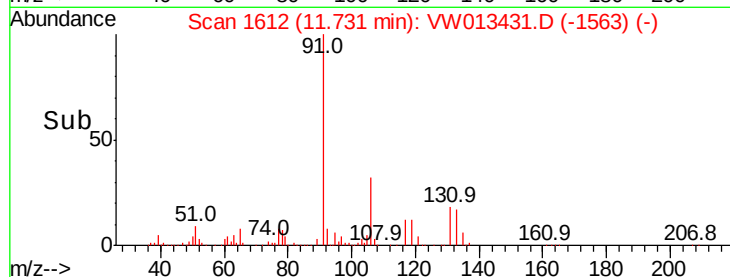
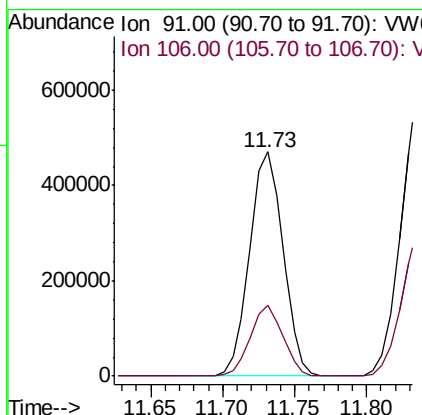
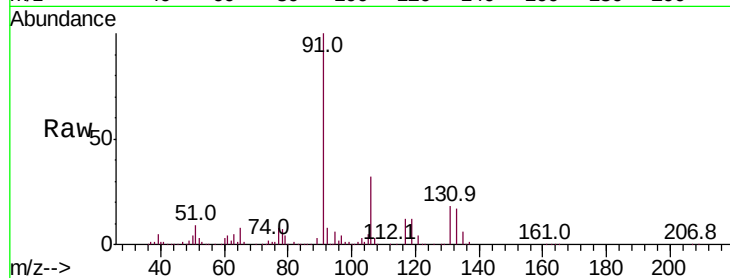




#67
Ethyl Benzene
Concen: 53.387 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

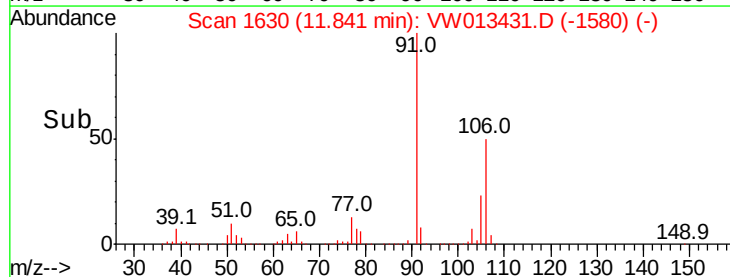
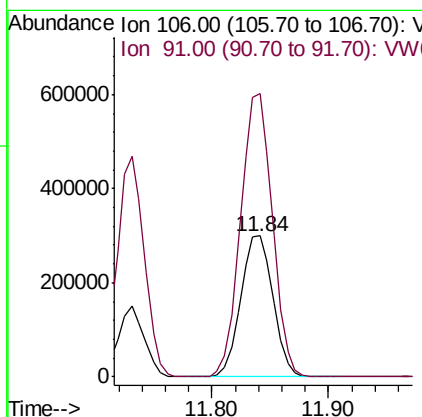
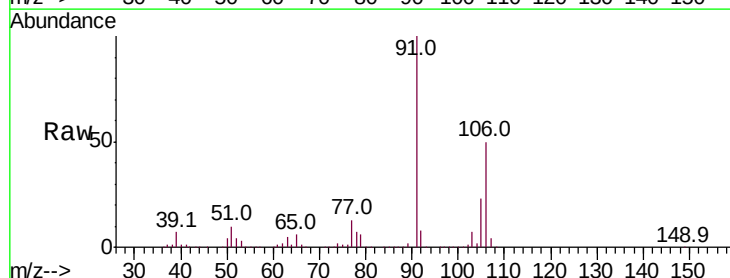
Instrument :
MSVOA_W
ClientSampleId :

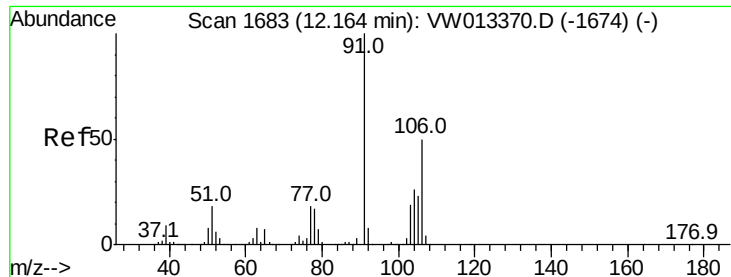
Tot Ion: 91 Resp: 756212
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3



#68
m/p-Xylenes
Concen: 105.924 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion:106 Resp: 579129
Ion Ratio Lower Upper
106 100
91 198.3 157.9 236.9

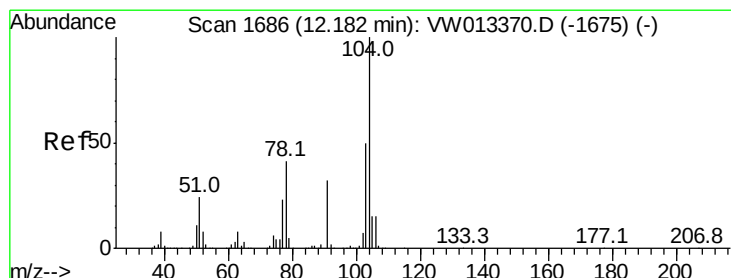
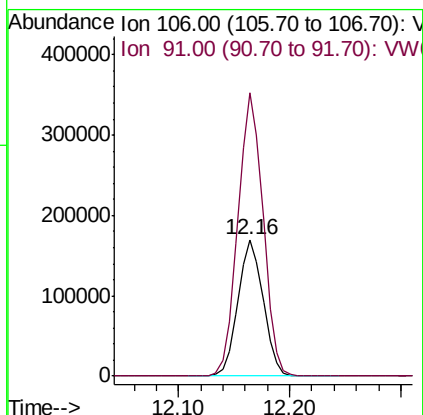
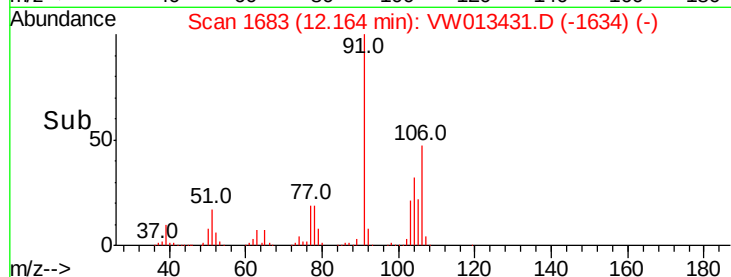
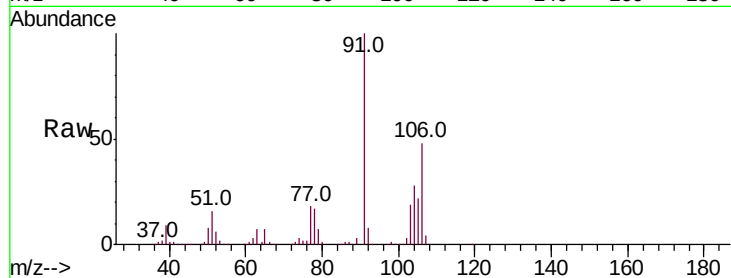




#69
o-Xylene
Concen: 52.552 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

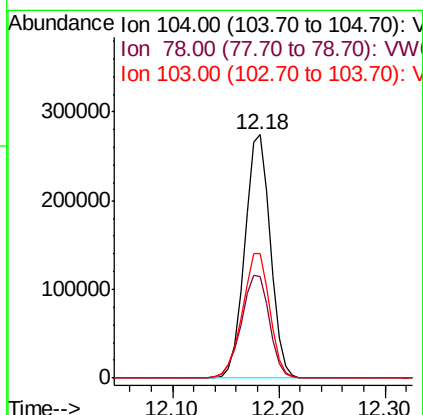
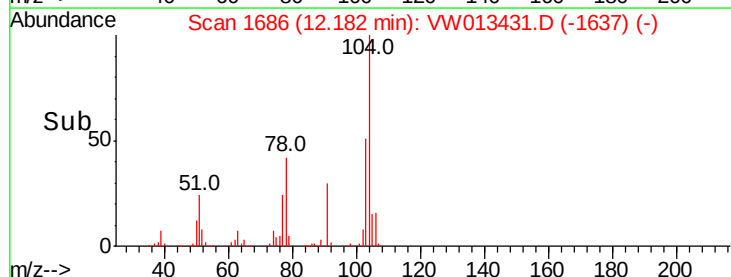
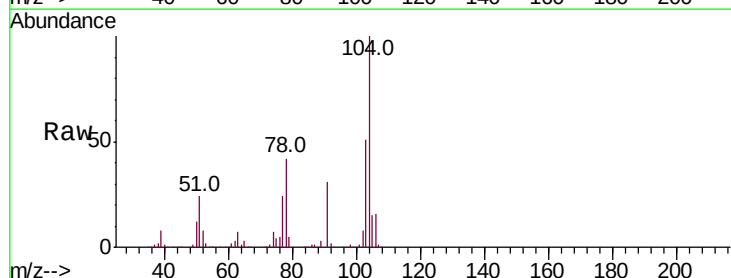
Instrument :
MSVOA_W
ClientSampled :

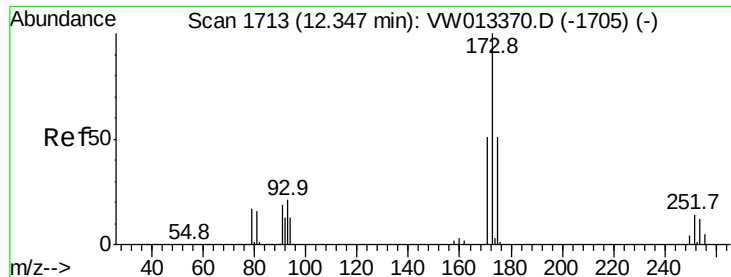
Tot Ion:106 Resp: 265653
Ion Ratio Lower Upper
106 100
91 208.0 106.5 319.5



#70
Styrene
Concen: 53.562 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion:104 Resp: 462847
Ion Ratio Lower Upper
104 100
78 46.8 38.4 57.6
103 54.9 43.3 64.9





#71

Bromoform

Concen: 55.871 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

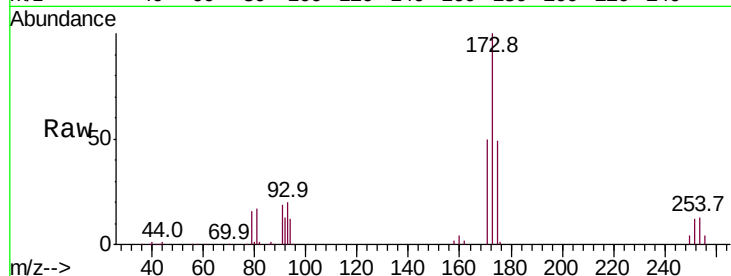
Tot Ion:173 Resp: 81539

Ion Ratio Lower Upper

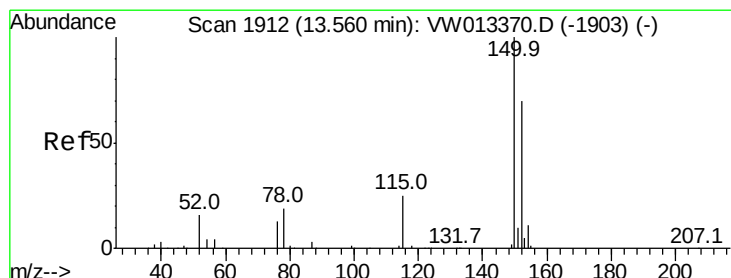
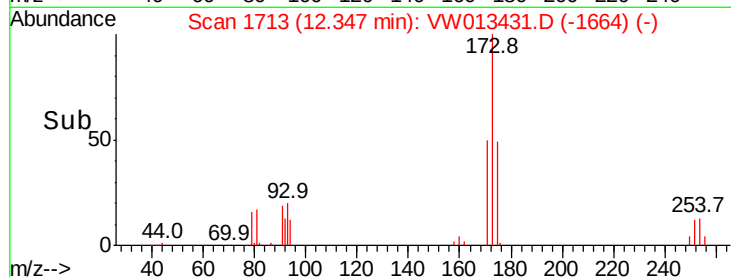
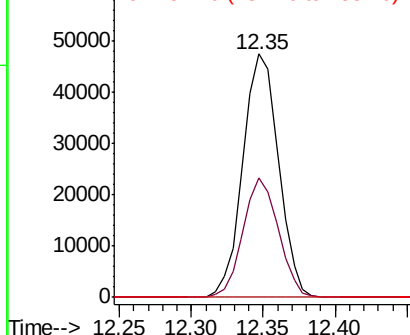
173 100

175 48.6 24.3 73.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

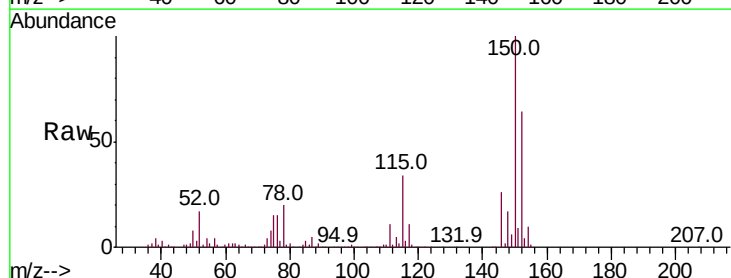
Tgt Ion:152 Resp: 193994

Ion Ratio Lower Upper

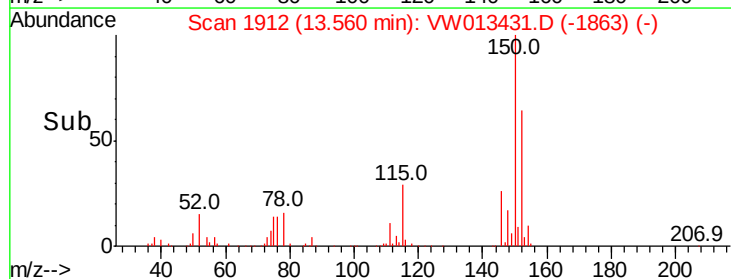
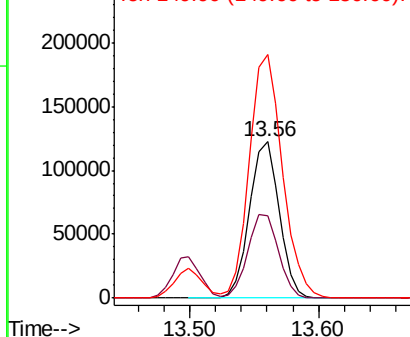
152 100

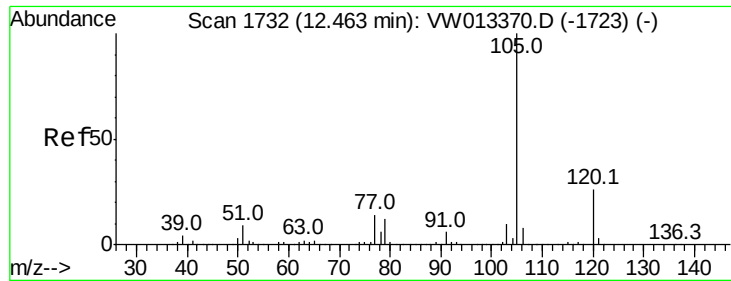
115 55.6 27.3 81.9

150 173.8 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.120 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

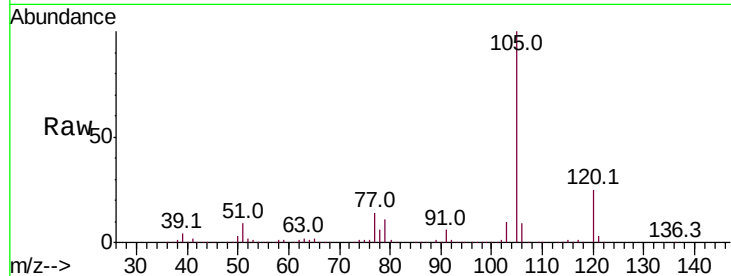
ClientSampled :

Tot Ion:105 Resp: 753780

Ion Ratio Lower Upper

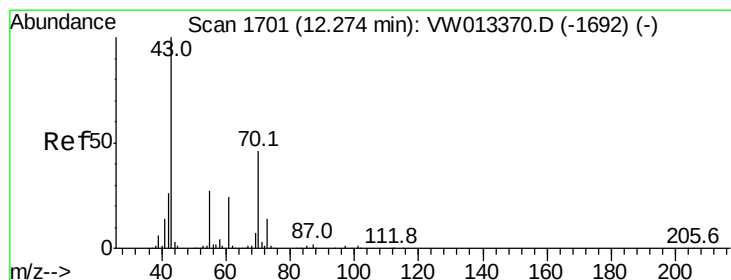
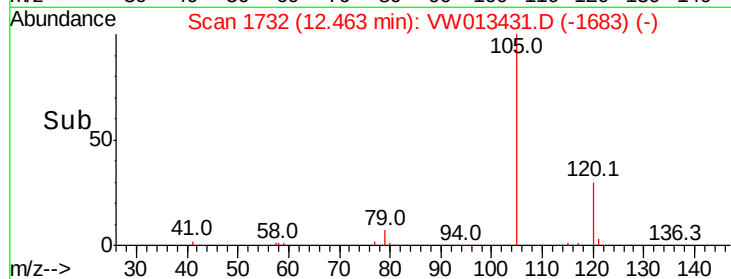
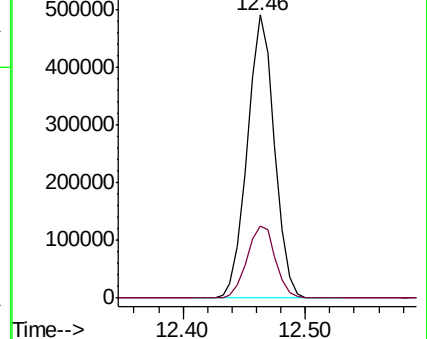
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.022 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion: 43 Resp: 166165

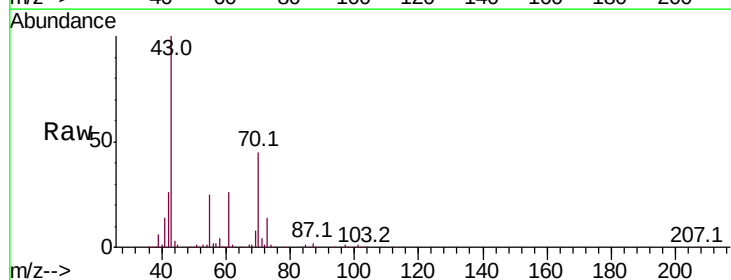
Ion Ratio Lower Upper

43 100

70 44.6 35.1 52.7

55 25.1 19.9 29.9

61 25.1 19.5 29.3

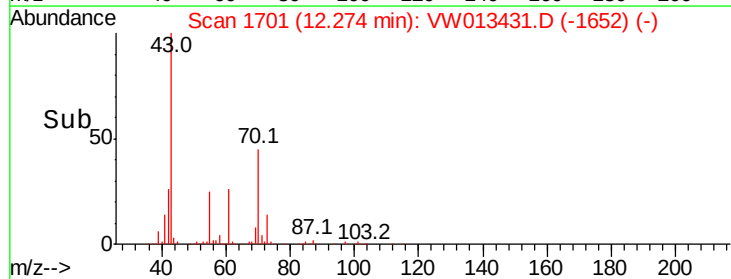
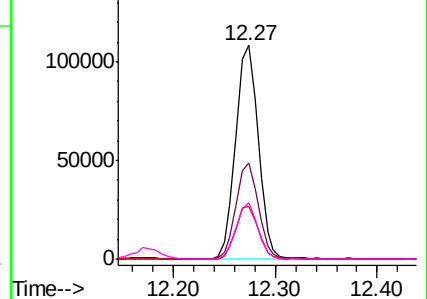


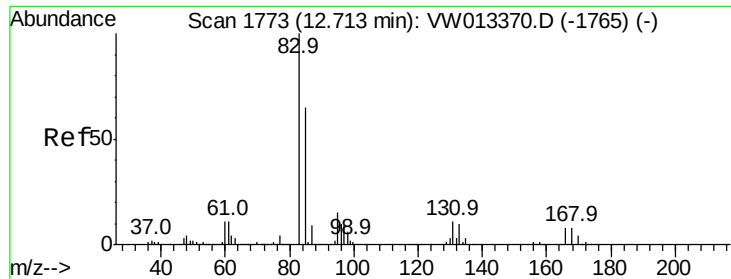
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 51.994 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

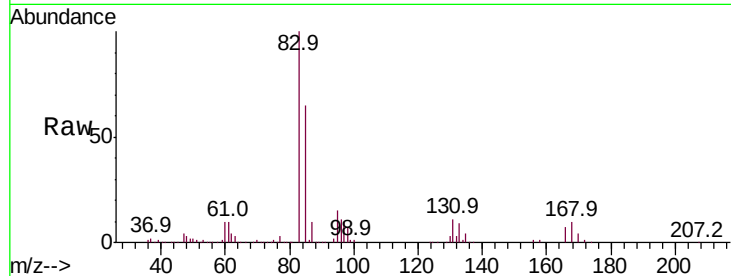
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 83 Resp: 124879

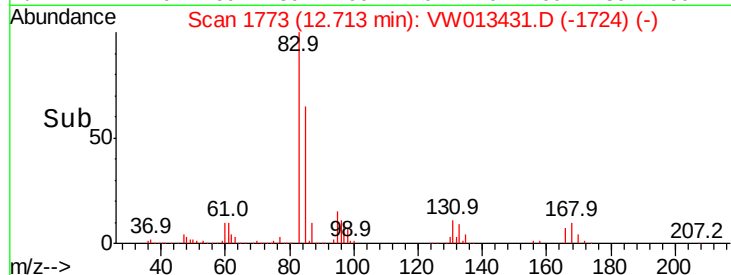
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.4	16.2
85	64.0	31.9	95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

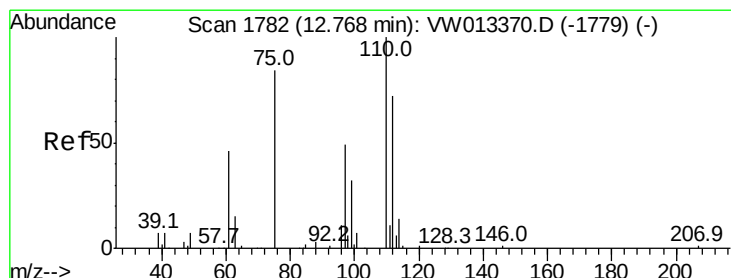
Ion 84.90 (84.60 to 85.60): VW



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 94.317 ug/l

RT: 12.77 min Scan# 1782

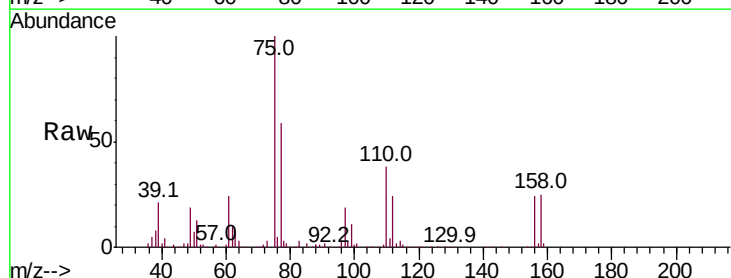
Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

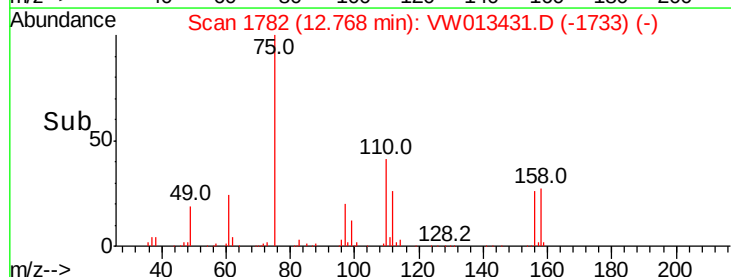
Tgt Ion: 75 Resp: 162617

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



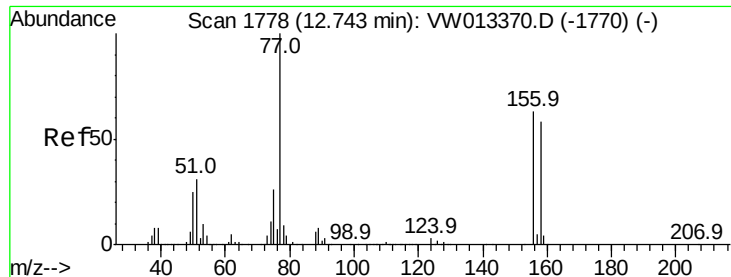
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 51.463 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

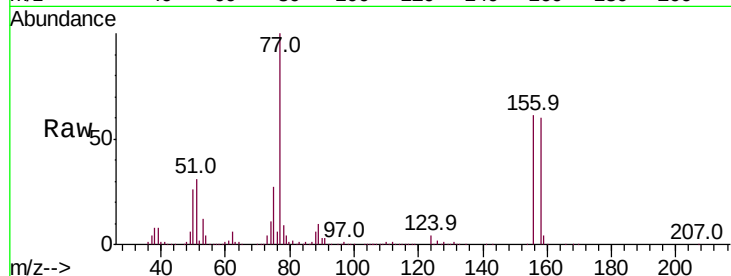
Tot Ion:156 Resp: 175353

Ion Ratio Lower Upper

156 100

77 174.0 85.7 257.1

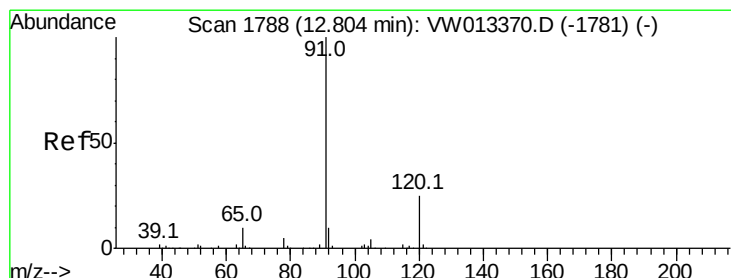
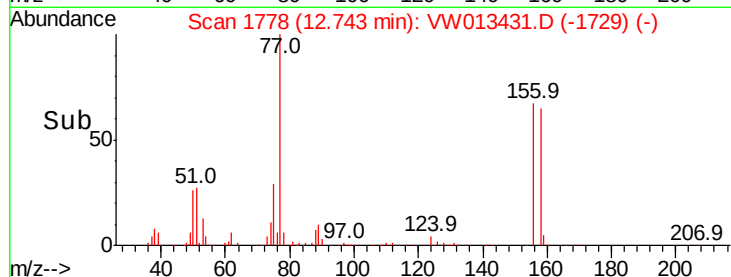
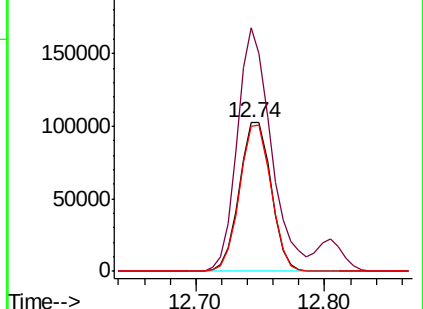
158 97.2 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.865 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013431.D

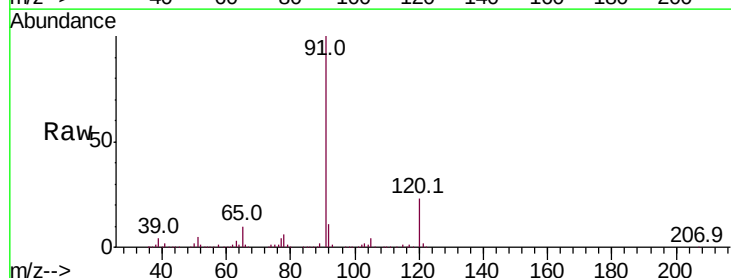
Acq: 04 Oct 2019 10:42

Tgt Ion: 91 Resp: 879226

Ion Ratio Lower Upper

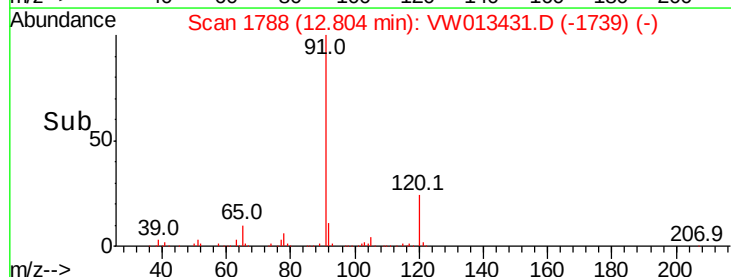
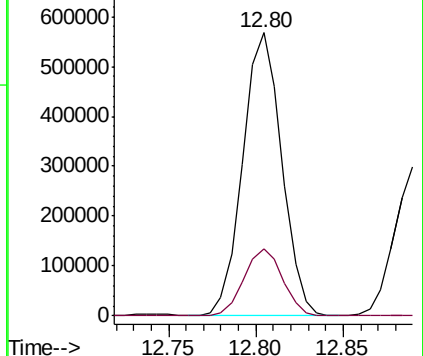
91 100

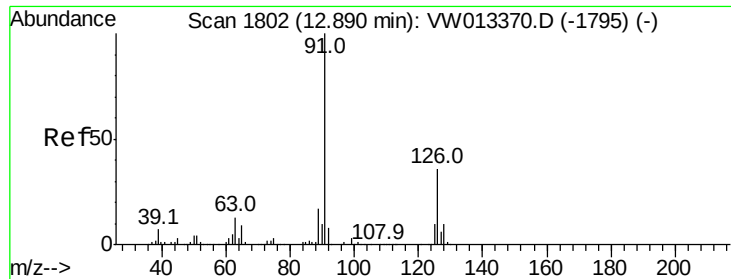
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.436 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

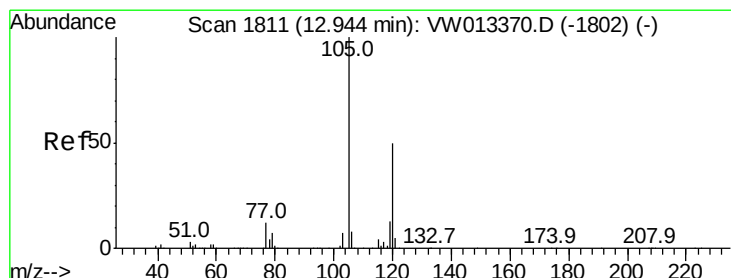
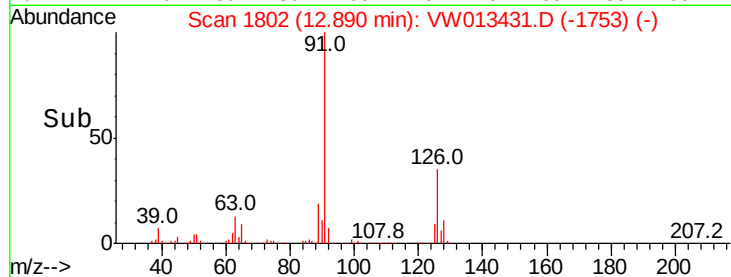
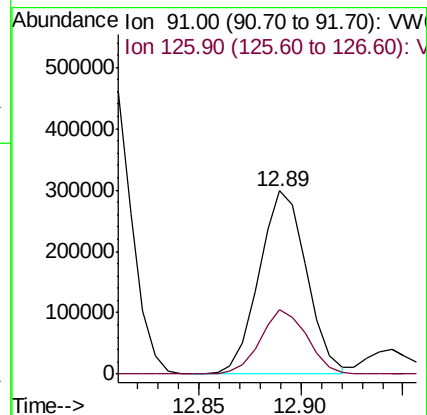
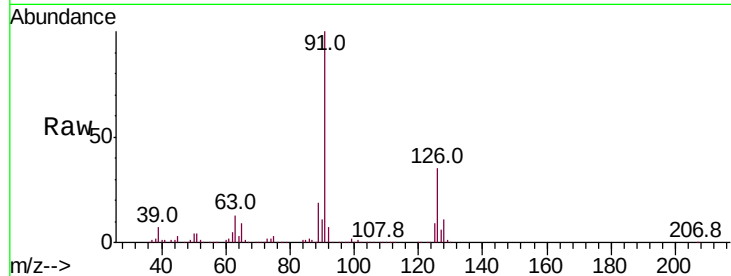
ClientSampleId :

Tot Ion: 91 Resp: 484460

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 52.468 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013431.D

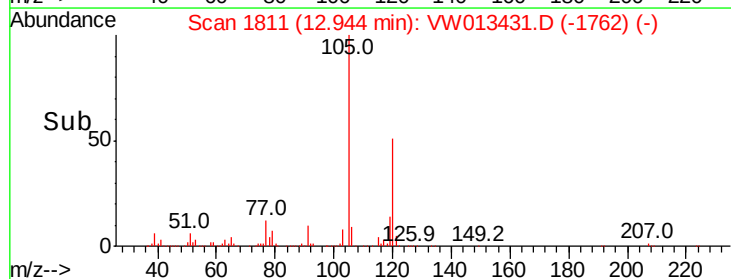
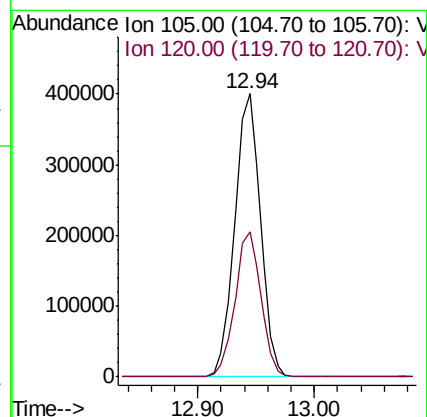
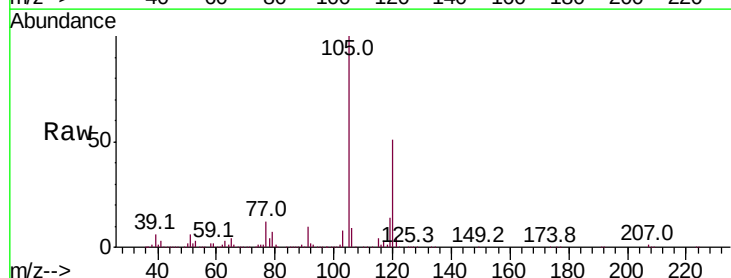
Acq: 04 Oct 2019 10:42

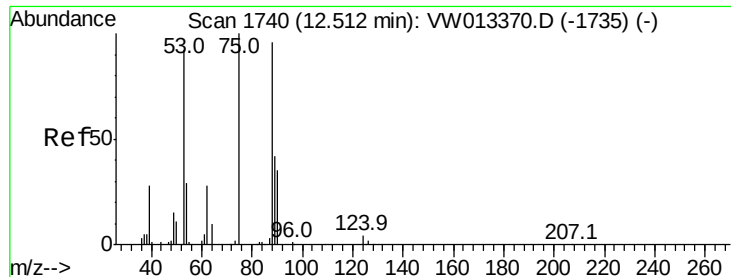
Tgt Ion:105 Resp: 618472

Ion Ratio Lower Upper

105 100

120 51.4 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 53.425 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

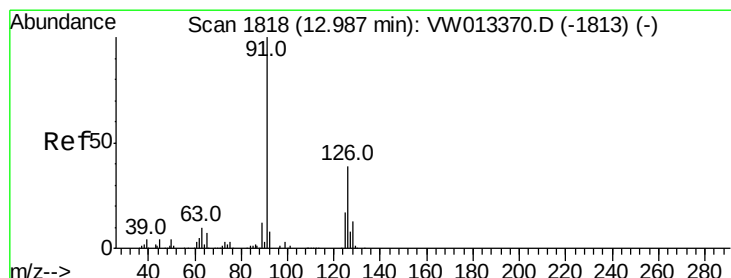
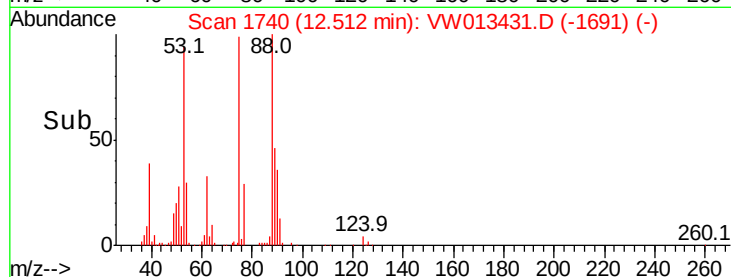
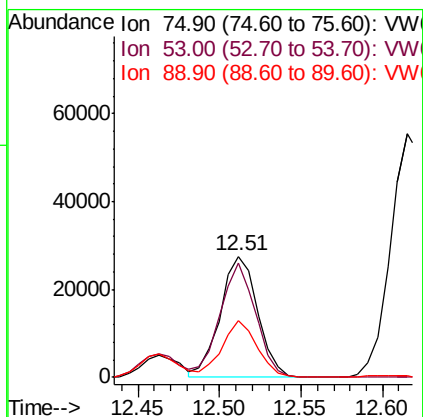
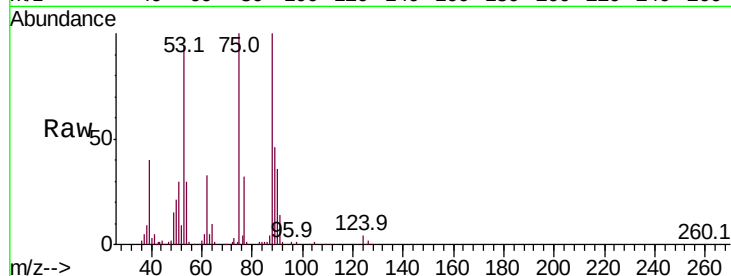
Tot Ion: 75 Resp: 43571

Ion Ratio Lower Upper

75 100

53 91.7 76.6 114.8

89 43.8 33.5 50.3



#82

4-Chlorotoluene

Concen: 53.407 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013431.D

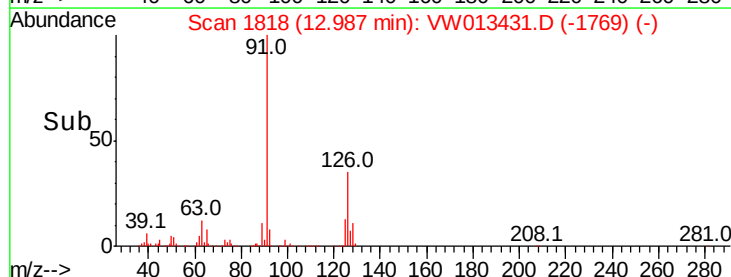
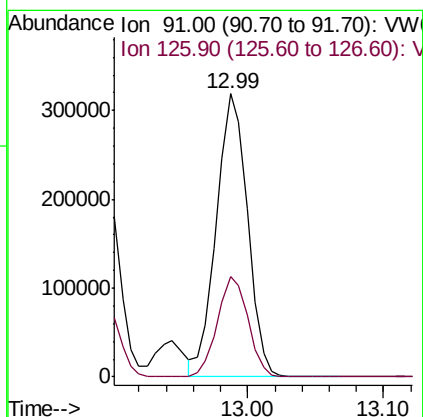
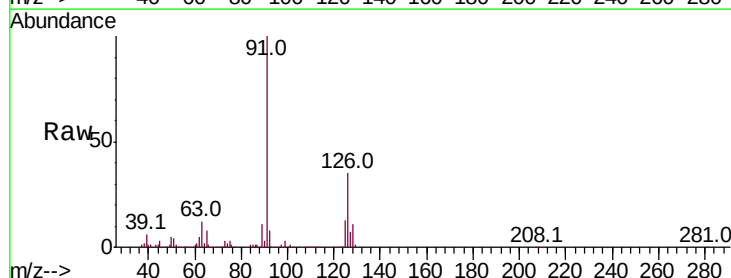
Acq: 04 Oct 2019 10:42

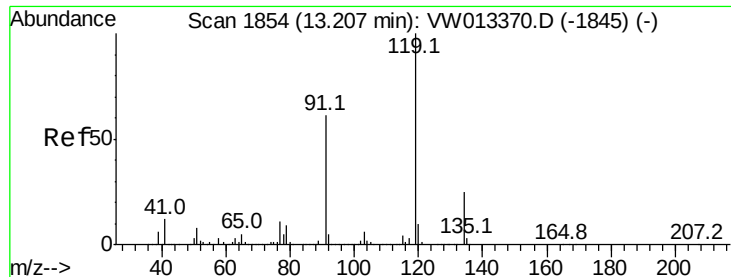
Tgt Ion: 91 Resp: 507210

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7

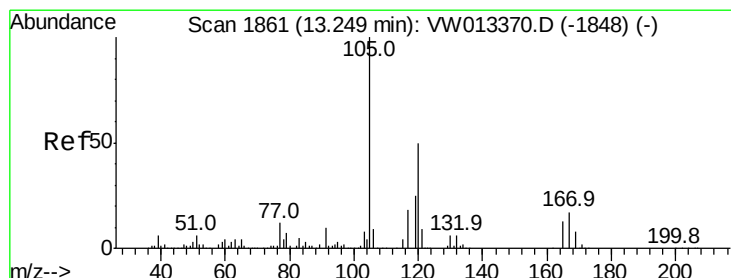
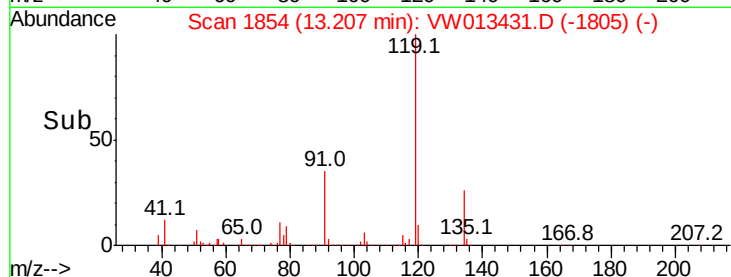
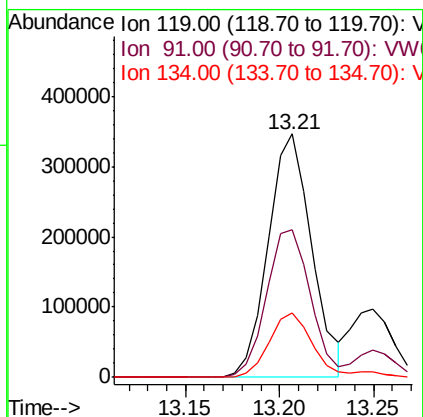
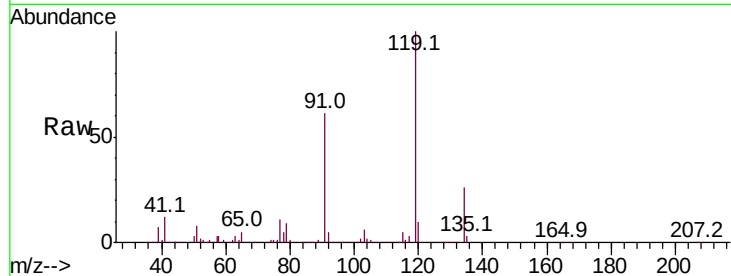




#83
tert-Butylbenzene
Concen: 54.099 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

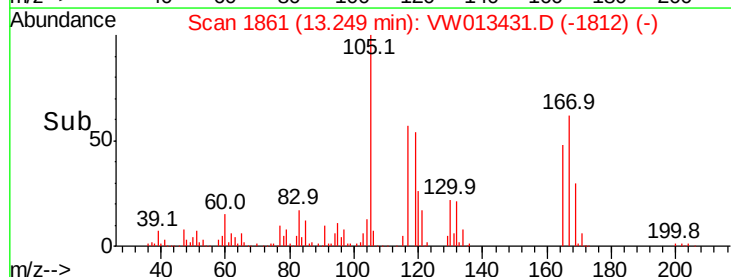
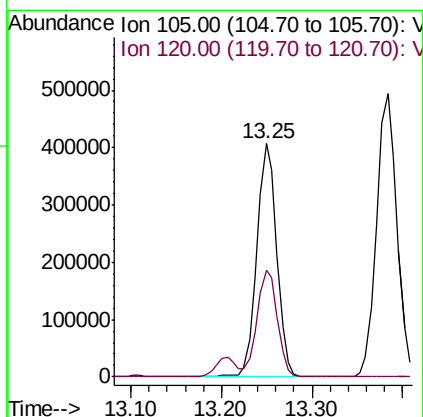
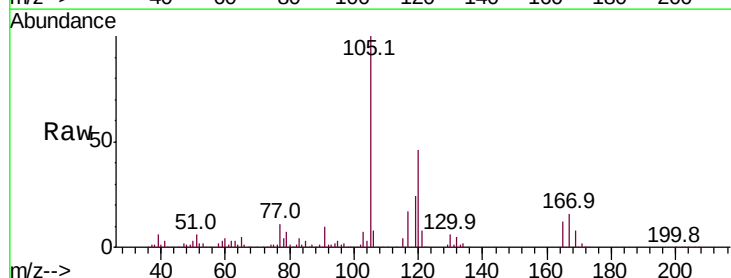
Instrument :
MSVOA_W
ClientSampled :

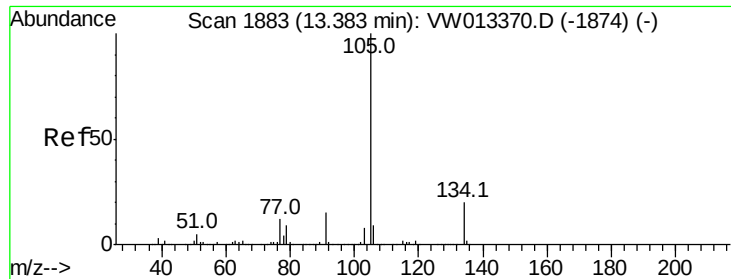
Tot Ion:119 Resp: 557004
Ion Ratio Lower Upper
119 100
91 61.1 30.7 92.1
134 26.0 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 52.634 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion:105 Resp: 616780
Ion Ratio Lower Upper
105 100
120 46.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 53.749 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

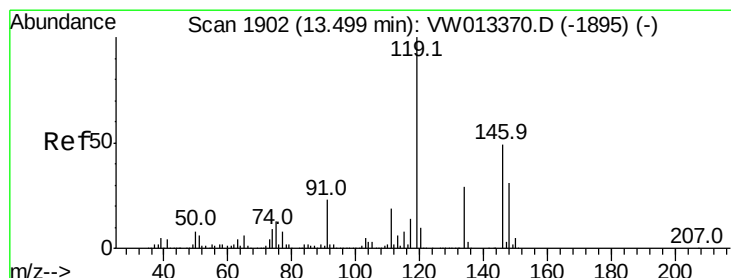
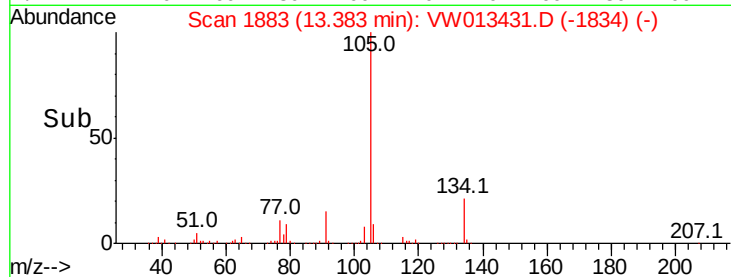
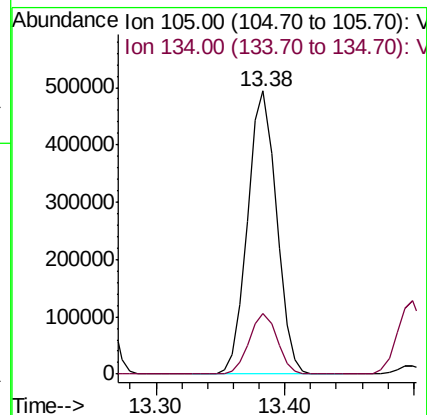
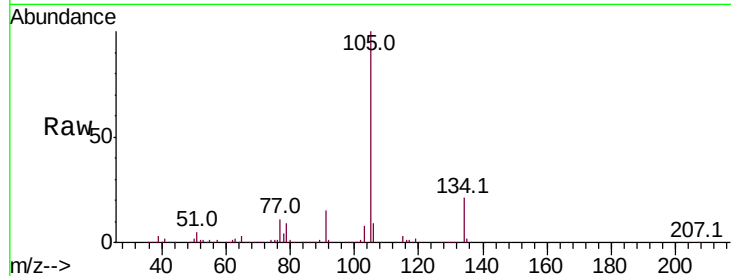
ClientSampleId :

Tot Ion:105 Resp: 762999

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.8



#86

p-Isopropyltoluene

Concen: 54.307 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

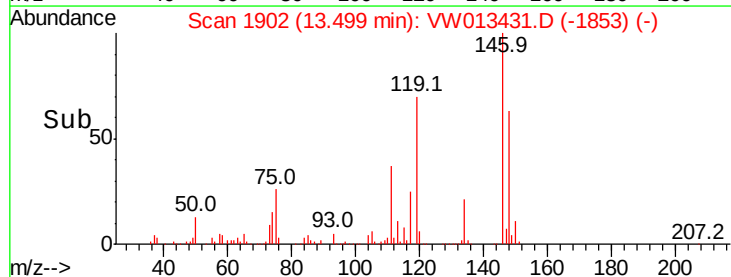
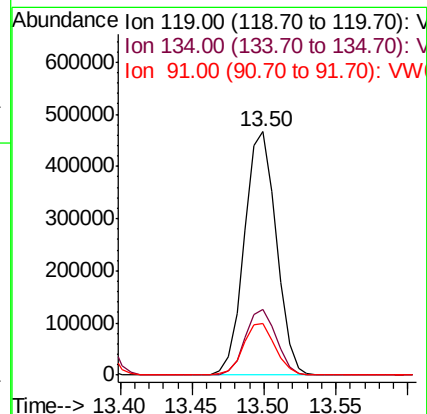
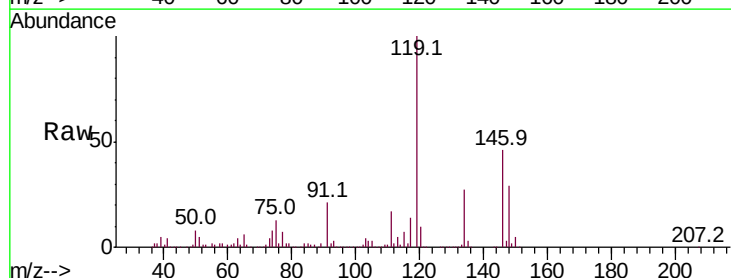
Tgt Ion:119 Resp: 714453

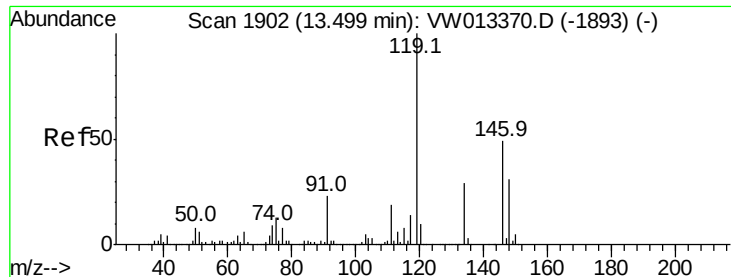
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 21.1 10.8 32.4

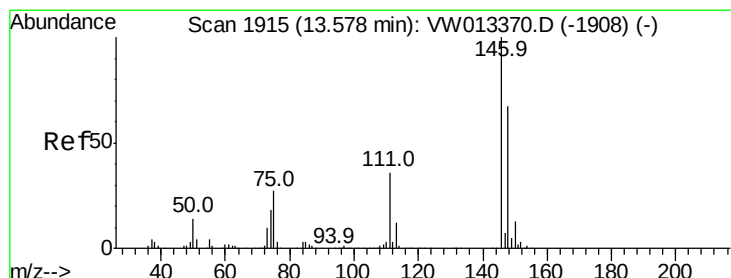
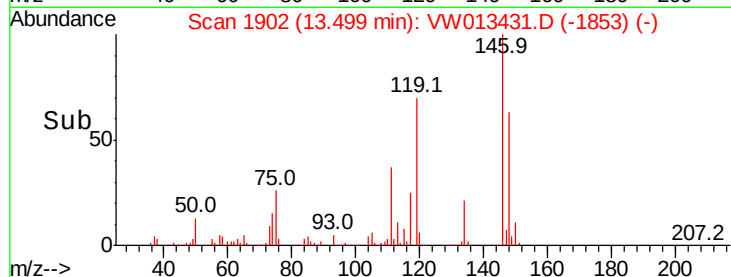
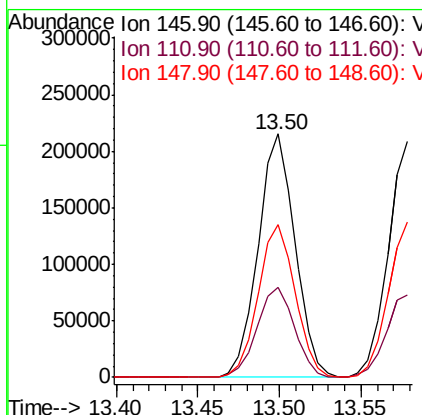
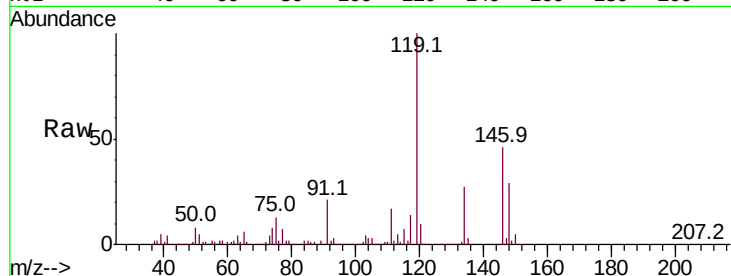




#87
 1,3-Dichlorobenzene
 Concen: 52.491 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

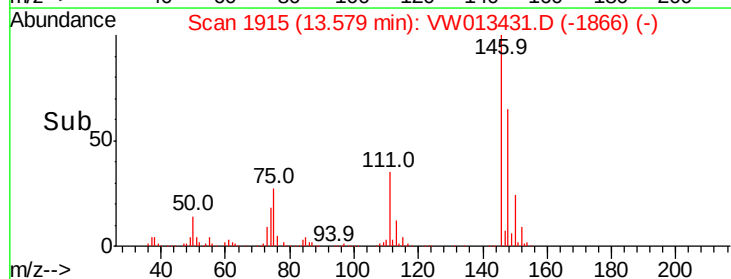
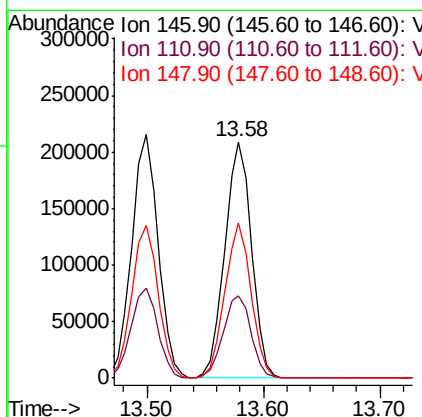
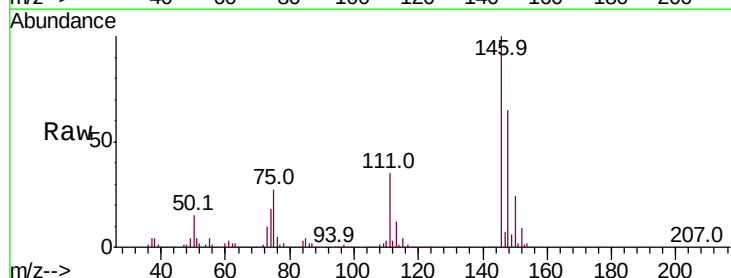
Instrument :
 MSVOA_W
 ClientSampleId :

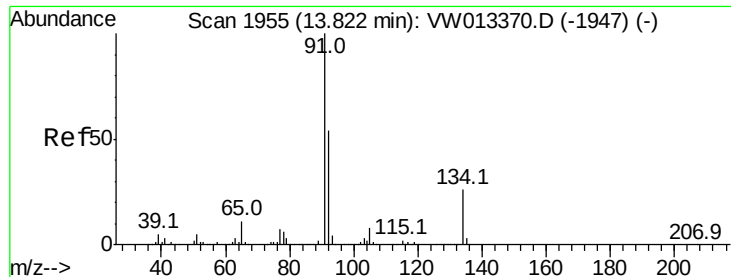
Tot Ion:146 Resp: 336492
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.9
 148 63.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 51.857 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion:146 Resp: 332841
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.4 55.0
 148 64.1 32.1 96.3

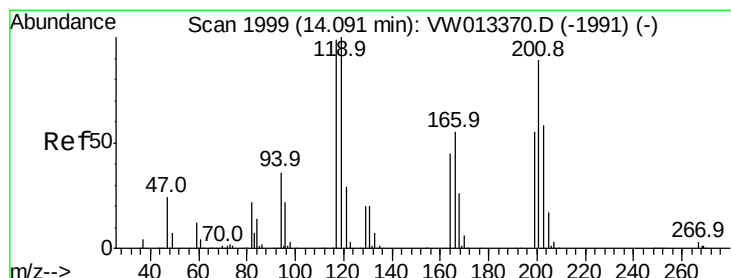
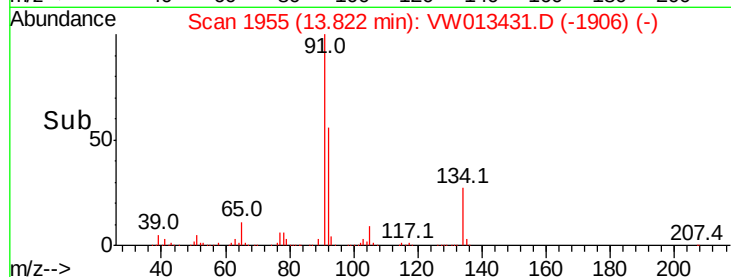
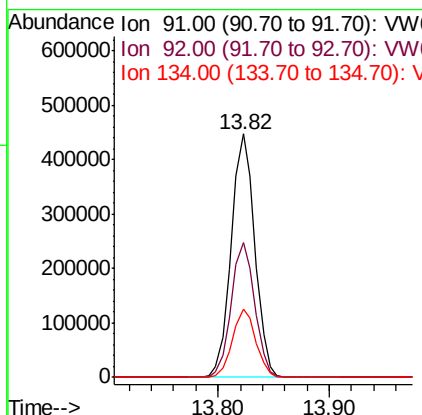
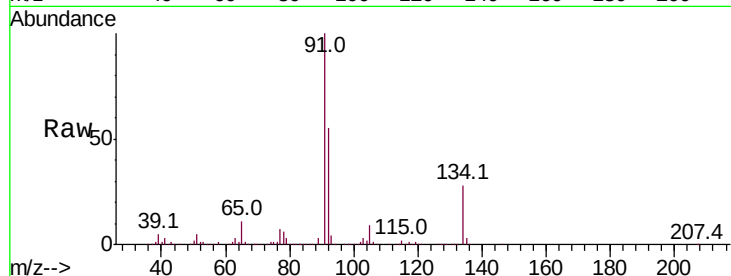




#89
n-Butylbenzene
Concen: 55.122 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

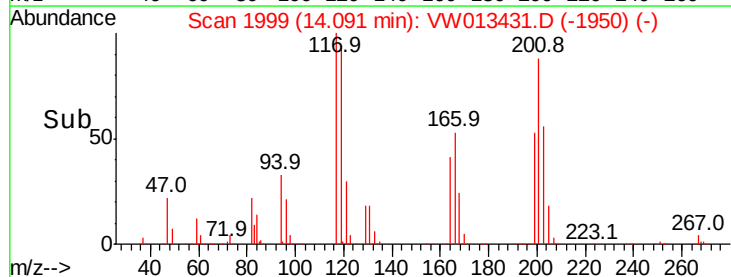
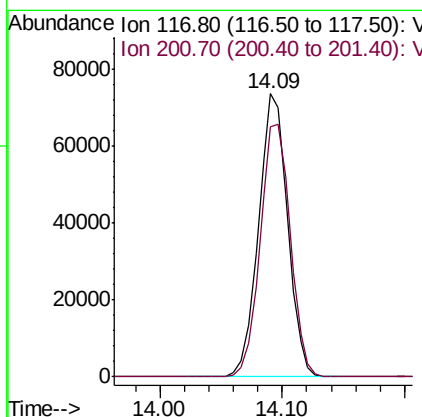
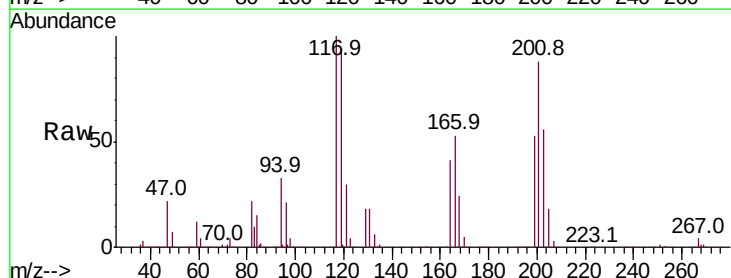
Instrument :
MSVOA_W
ClientSampled :

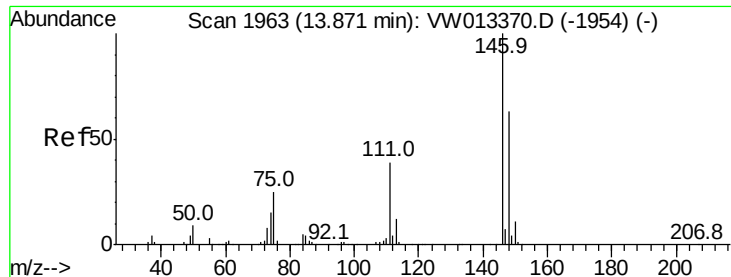
Tot Ion: 91 Resp: 653790
Ion Ratio Lower Upper
91 100
92 55.4 27.6 82.8
134 27.8 13.7 41.1



#90
Hexachloroethane
Concen: 56.058 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion: 117 Resp: 121843
Ion Ratio Lower Upper
117 100
201 92.7 44.5 133.5

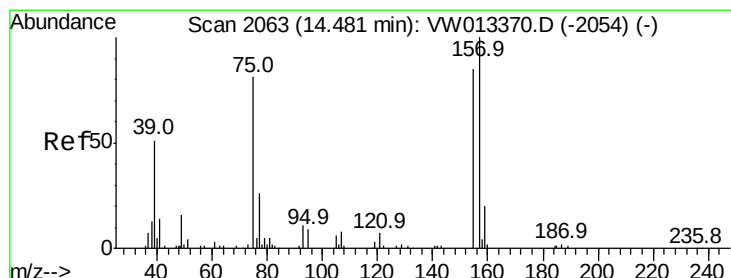
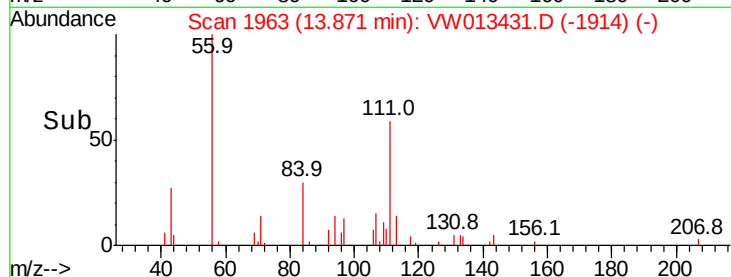
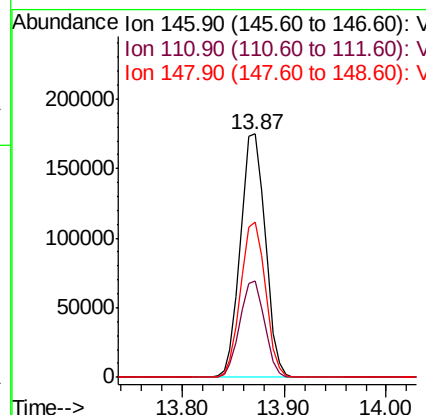
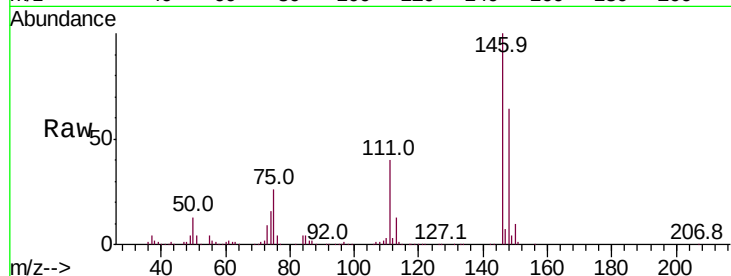




#91
 1,2-Dichlorobenzene
 Concen: 51.989 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

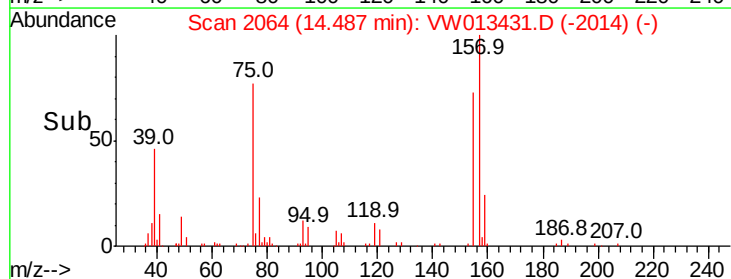
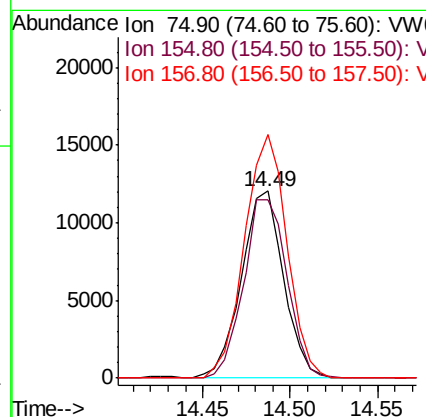
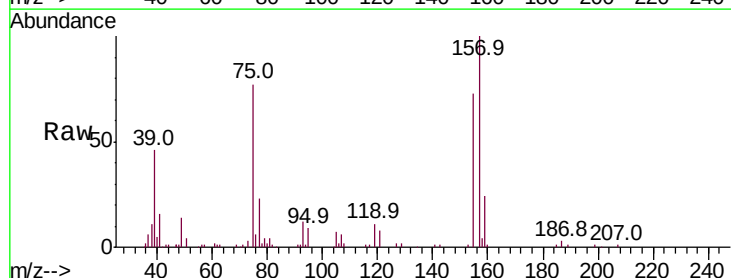
Instrument :
 MSVOA_W
 ClientSampleId :

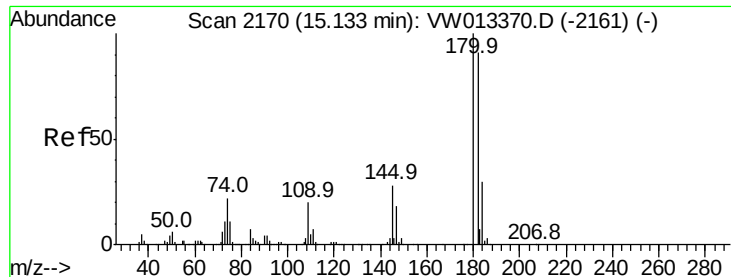
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.3
148	63.9	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.067 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	46.1	138.3
157	131.1	60.4	181.2

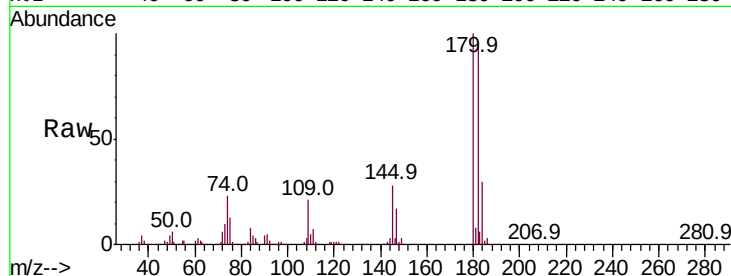




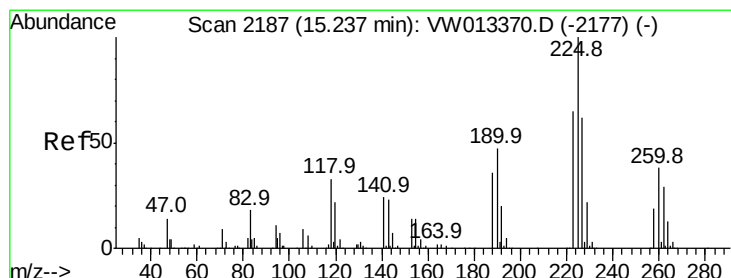
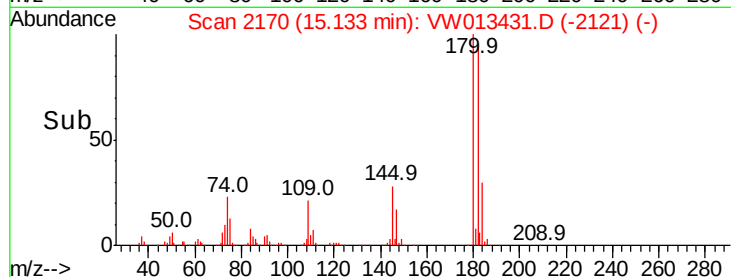
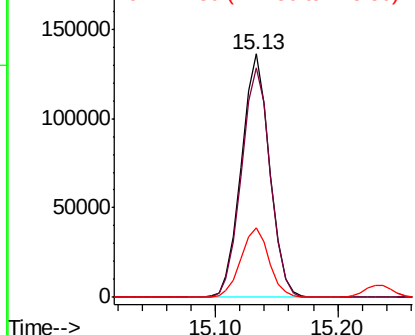
#93
 1,2,4-Trichlorobenzene
 Concen: 53.636 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	28.4	14.2	42.8

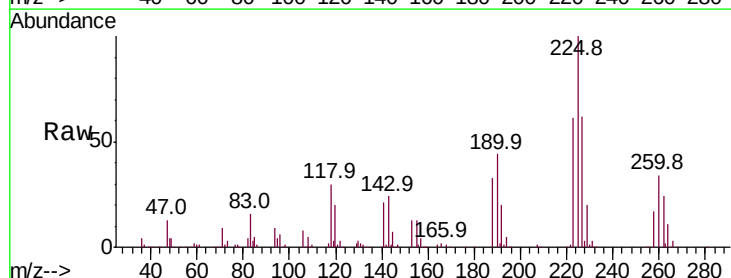


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

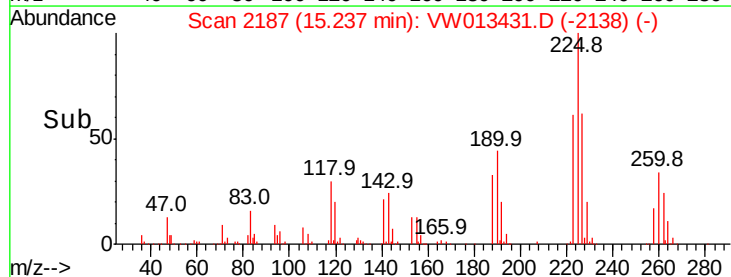
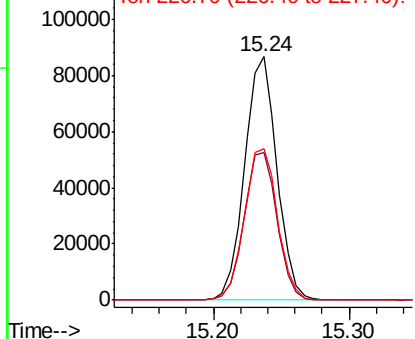


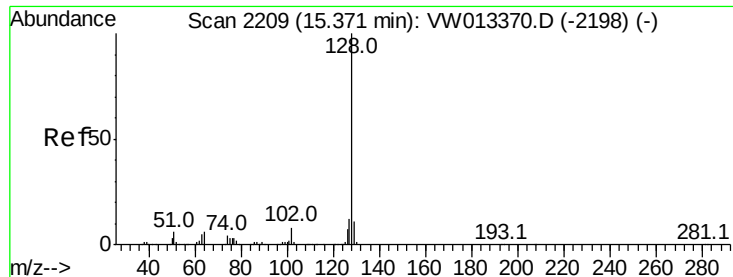
#94
 Hexachlorobutadiene
 Concen: 54.391 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.6	91.8
227	64.2	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

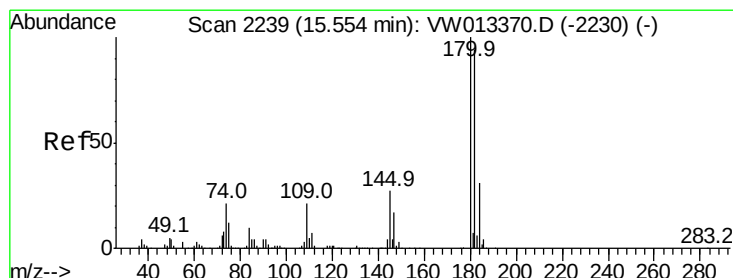
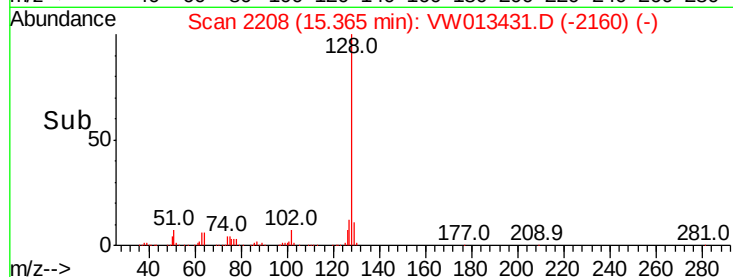
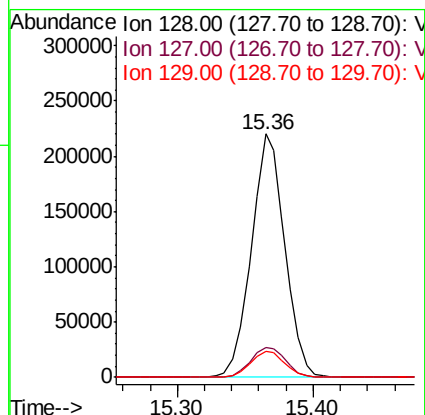
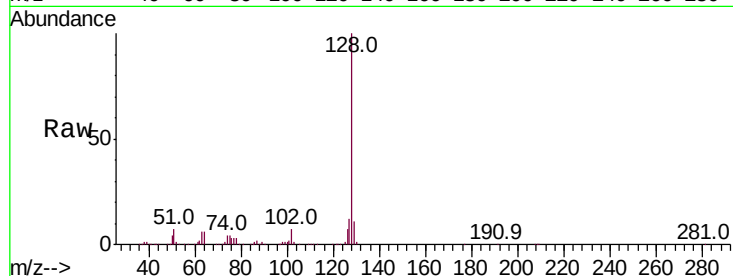




#95
Naphthalene
Concen: 55.107 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 378056
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.740 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion:180 Resp: 187266
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.7
145 29.2 15.0 45.0

