

Data File : VW013414.D
Acq On : 03 Oct 2019 10:32
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Quant Time: Oct 04 08:20:12 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	354096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132912	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.88	113	137445	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.32	98	582815	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.62	95	194561	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	76641	55.959	ug/l	88
3) Chloromethane	2.21	50	111855	49.492	ug/l	100
4) Vinyl Chloride	2.35	62	171280	53.400	ug/l	99
5) Bromomethane	2.78	94	101881	51.700	ug/l	92
6) Chloroethane	2.92	64	93691	50.586	ug/l	100
7) Trichlorofluoromethane	3.25	101	87497	62.878	ug/l	98
8) Diethyl Ether	3.68	74	79316	49.245	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	162663	52.725	ug/l	98
10) Methyl Iodide	4.26	142	258208	51.825	ug/l	99
11) Tert butyl alcohol	5.20	59	48775	221.973	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	168460	51.681	ug/l	99
13) Acrolein	3.89	56	81978	304.269	ug/l	98
14) Allyl chloride	4.66	41	261428	54.215	ug/l	99
15) Acrylonitrile	5.37	53	168706	231.707	ug/l	100
16) Acetone	4.13	43	173841	214.508	ug/l	97
17) Carbon Disulfide	4.38	76	484121	53.238	ug/l	99
18) Methyl Acetate	4.67	43	79627	41.979	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	238202	49.651	ug/l	100
20) Methylene Chloride	4.91	84	167439	49.472	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	179178	51.617	ug/l	95
22) Diisopropyl ether	6.31	45	481434	51.699	ug/l	97
23) Vinyl Acetate	6.25	43	1418764	253.906	ug/l	98
24) 1,1-Dichloroethane	6.21	63	295083	52.025	ug/l	99
25) 2-Butanone	7.17	43	229646	221.454	ug/l	99
26) 2,2-Dichloropropane	7.16	77	179421	54.834	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	187354	51.563	ug/l	98
28) Bromochloromethane	7.51	49	108742	53.025	ug/l	97
29) Tetrahydrofuran	7.53	42	137308	228.516	ug/l	99
30) Chloroform	7.67	83	283384	50.953	ug/l	99
31) Cyclohexane	7.95	56	302076	49.940	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	233398	53.566	ug/l	99
36) 1,1-Dichloropropene	8.08	75	248300	53.055	ug/l	99
37) Ethyl Acetate	7.25	43	95659	46.323	ug/l	97
38) Carbon Tetrachloride	8.06	117	217629	53.682	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	325264	52.772	ug/l	100
40) Benzene	8.32	78	685688	51.757	ug/l	98
41) Methacrylonitrile	7.48	41	58262	46.782	ug/l	97
42) 1,2-Dichloroethane	8.40	62	172738	50.731	ug/l	98
43) Isopropyl Acetate	8.42	43	182184	46.864	ug/l	100
44) Trichloroethene	9.09	130	192408	51.574	ug/l	95
45) 1,2-Dichloropropane	9.37	63	163696	51.462	ug/l	100
46) Dibromomethane	9.46	93	78975	49.846	ug/l	96
47) Bromodichloromethane	9.64	83	203424	52.156	ug/l	99
48) Methyl methacrylate	9.43	41	91814	49.154	ug/l	96
49) 1,4-Dioxane	9.47	88	23857	975.928	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	464135	227.242	ug/l	98
52) Toluene	10.38	92	446765	52.283	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	208785	51.464	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	257784	52.408	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	117650	49.778	ug/l	98
56) Ethyl methacrylate	10.65	69	155750	48.958	ug/l	97
57) 1,3-Dichloropropane	10.93	76	204999	49.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	350096	267.904	ug/l	98
59) 2-Hexanone	10.97	43	341255	241.051	ug/l	99
60) Dibromochloromethane	11.13	129	138573	51.249	ug/l	99
61) 1,2-Dibromoethane	11.23	107	112858	49.415	ug/l	100
64) Tetrachloroethene	10.86	164	165659	50.860	ug/l	98
65) Chlorobenzene	11.66	112	461142	52.576	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	157648	52.772	ug/l	99
67) Ethyl Benzene	11.73	91	837894	53.302	ug/l	99
68) m/p-Xylenes	11.84	106	648086	106.810	ug/l	100
69) o-Xylene	12.16	106	299229	53.338	ug/l	97
70) Styrene	12.18	104	512234	53.413	ug/l	100
71) Bromoform	12.35	173	82854	51.155	ug/l #	99
73) Isopropylbenzene	12.46	105	841125	52.817	ug/l	100
74) N-amyl acetate	12.27	43	166665	49.175	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	127481	47.294	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	163692	84.596	ug/l #	100
77) Bromobenzene	12.75	156	193701	50.654	ug/l	98
78) n-propylbenzene	12.80	91	977975	53.387	ug/l	100
79) 2-Chlorotoluene	12.89	91	539525	53.026	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	697247	52.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	43411	47.900	ug/l	97
82) 4-Chlorotoluene	12.99	91	563182	52.840	ug/l	100
83) tert-Butylbenzene	13.21	119	620856	53.730	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	687029	52.241	ug/l	99
85) sec-Butylbenzene	13.38	105	857809	53.844	ug/l	99
86) p-Isopropyltoluene	13.50	119	795934	53.909	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	379640	52.770	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	370996	51.503	ug/l	100
89) n-Butylbenzene	13.82	91	733168	55.079	ug/l	100
90) Hexachloroethane	14.09	117	131987	54.109	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	326417	51.325	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19270	47.795	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100319\
Quantitation Report (Not Reviewed)

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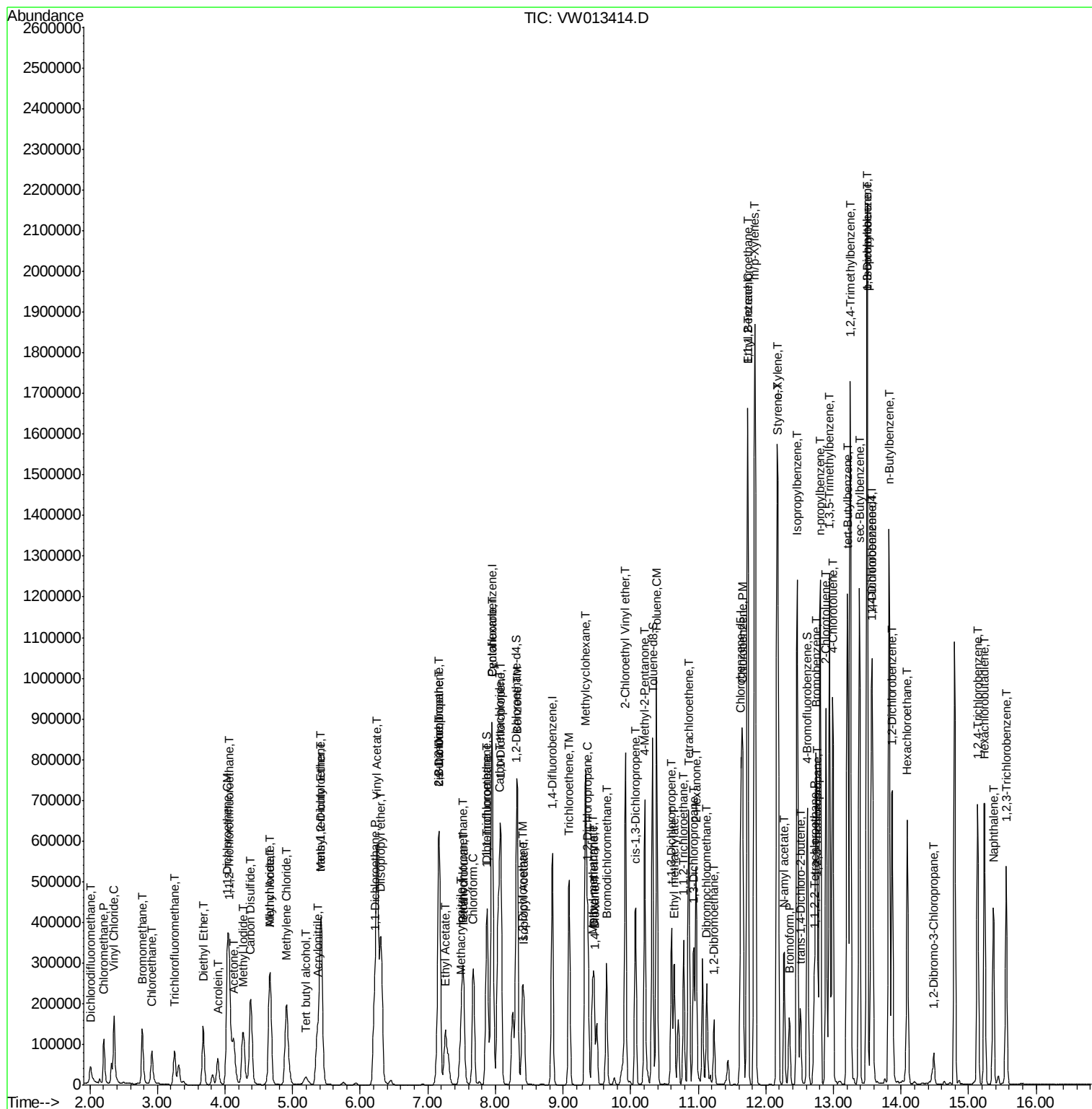
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	241206	52.848	ug/l	99
94) Hexachlorobutadiene	15.24	225	159864	53.919	ug/l	99
95) Naphthalene	15.36	128	390071	50.664	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	207270	52.014	ug/l	100

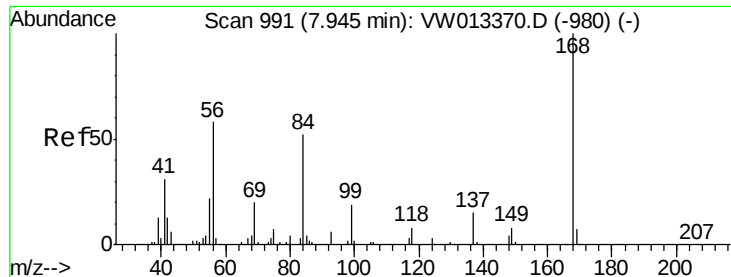
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

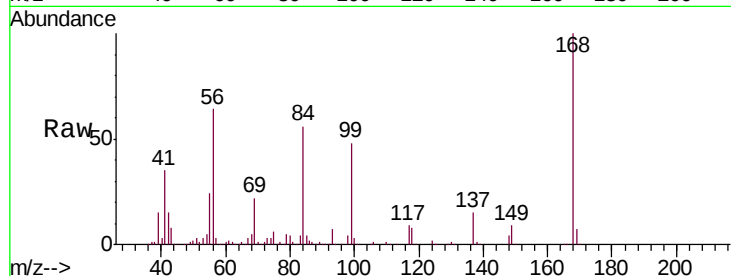
VW1003SBS01

Tgt Ion:168 Resp: 354096

Ion Ratio Lower Upper

168 100

99 47.9 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

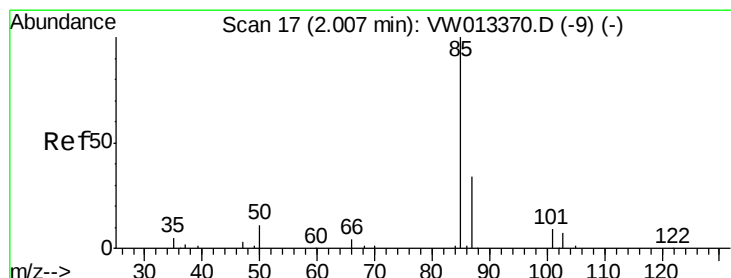
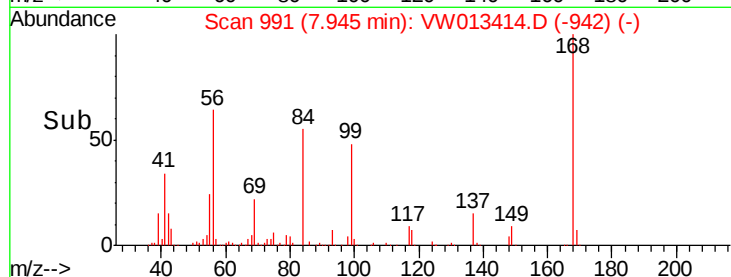
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 55.959 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013414.D

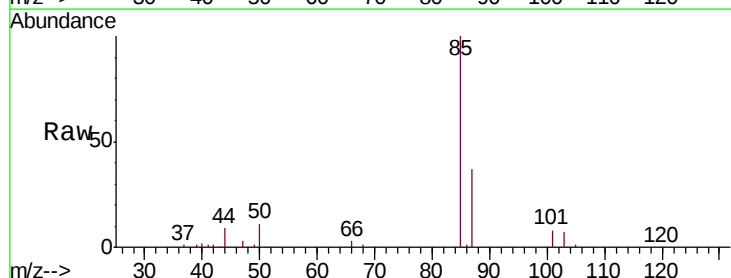
Acq: 03 Oct 2019 10:32

Tgt Ion: 85 Resp: 76641

Ion Ratio Lower Upper

85 100

87 36.5 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

25000

20000

15000

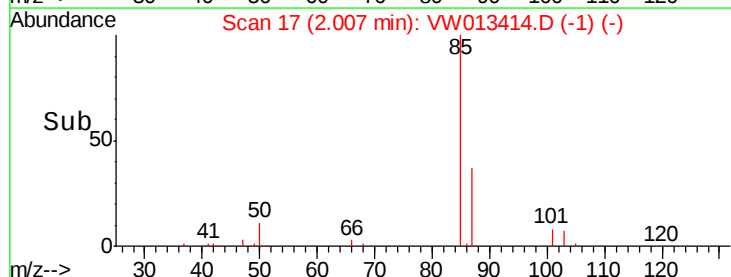
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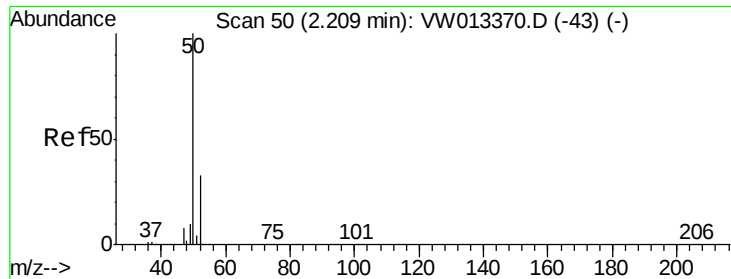
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Time-->

1.90 2.00 2.10 2.20 2.30

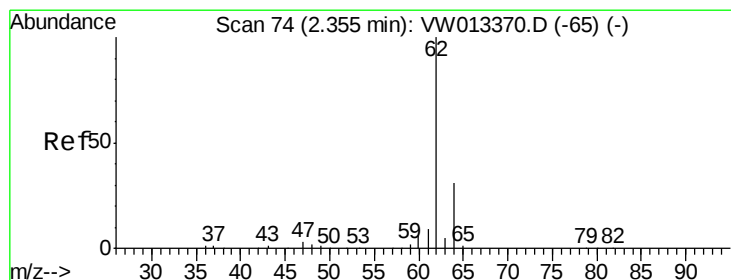
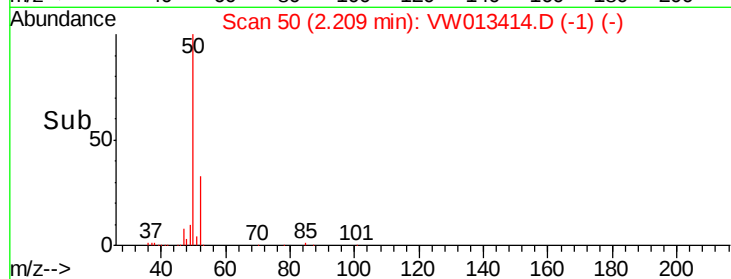
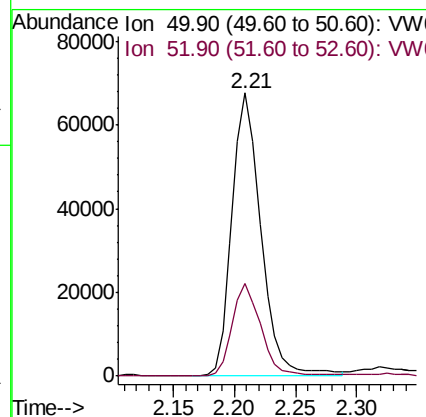
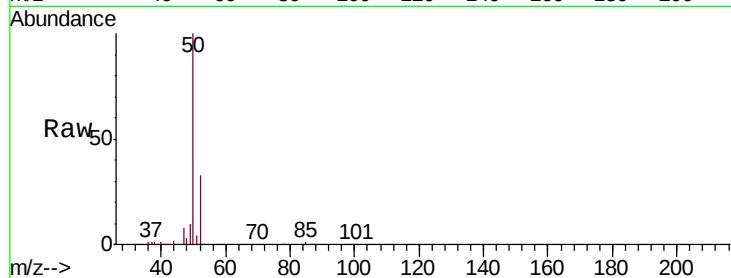




#3
 Chloromethane
 Concen: 49.492 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

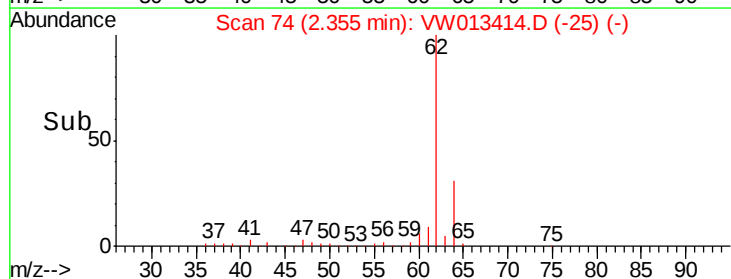
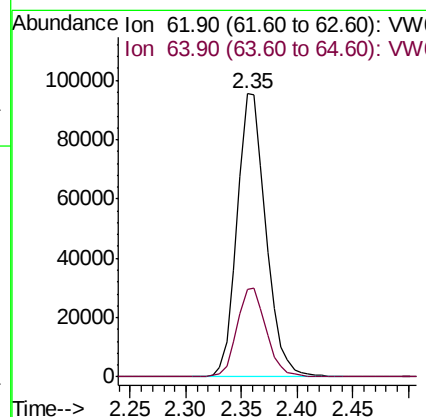
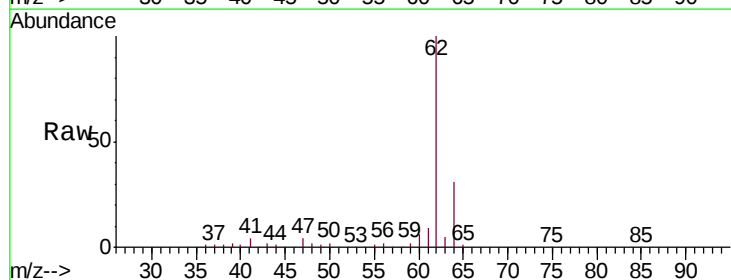
Instrument :
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 VW1003SBS01

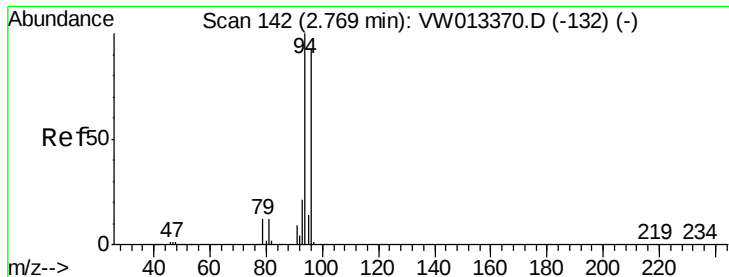
Tgt Ion: 50 Resp: 111855
 Ion Ratio Lower Upper
 50 100
 52 32.7 26.1 39.1



#4
 Vinyl Chloride
 Concen: 53.400 ug/l
 RT: 2.35 min Scan# 74
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 62 Resp: 171280
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.3 37.9





#5

Bromomethane

Concen: 51.700 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

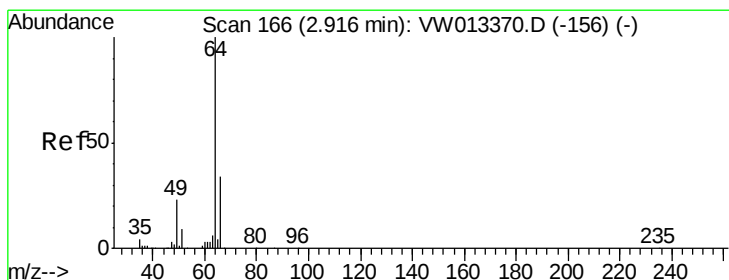
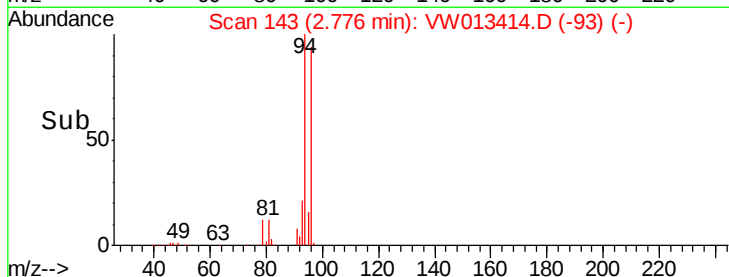
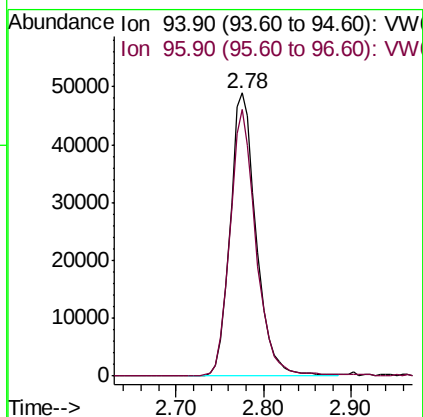
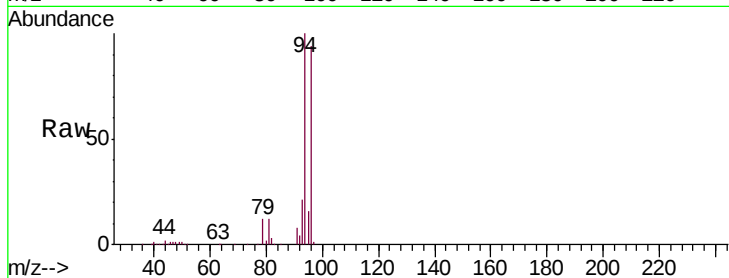
VW1003SBS01

Tgt Ion: 94 Resp: 101881

Ion Ratio Lower Upper

94 100

96 94.4 69.7 104.5



#6

Chloroethane

Concen: 50.586 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013414.D

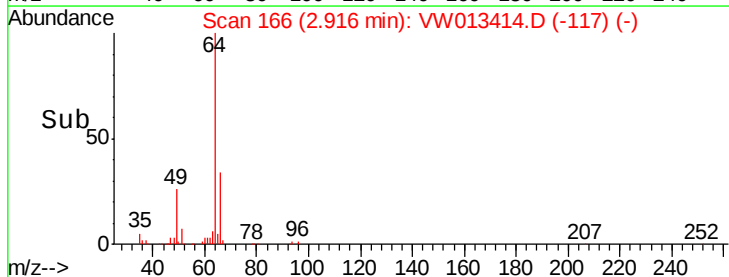
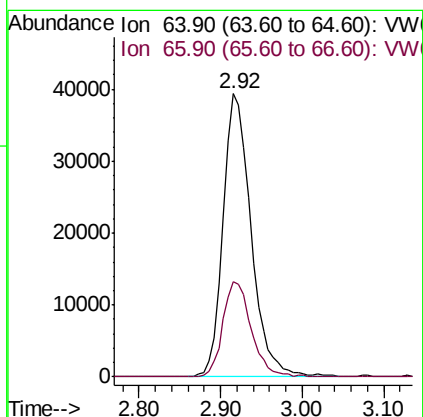
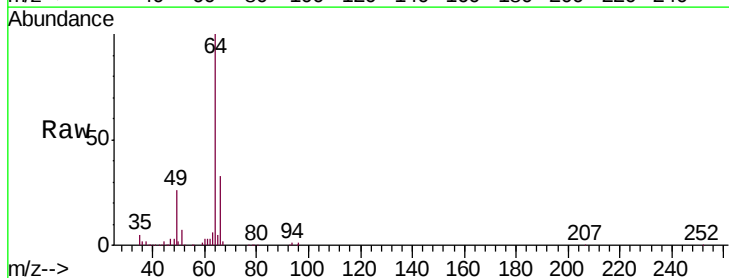
Acq: 03 Oct 2019 10:32

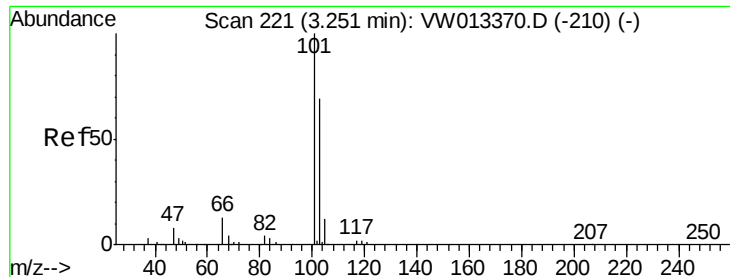
Tgt Ion: 64 Resp: 93691

Ion Ratio Lower Upper

64 100

66 33.5 26.6 39.8



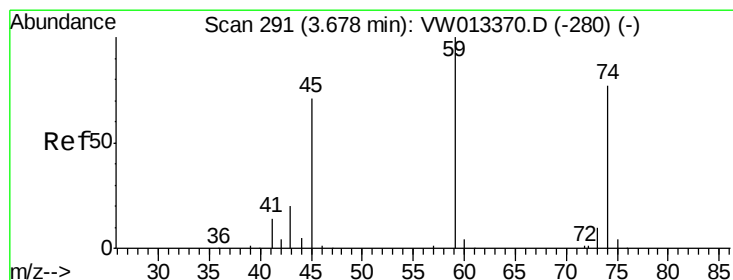
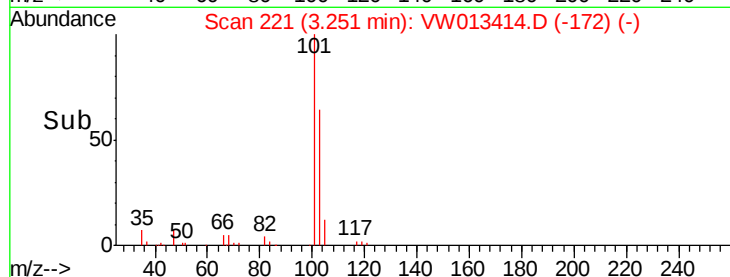
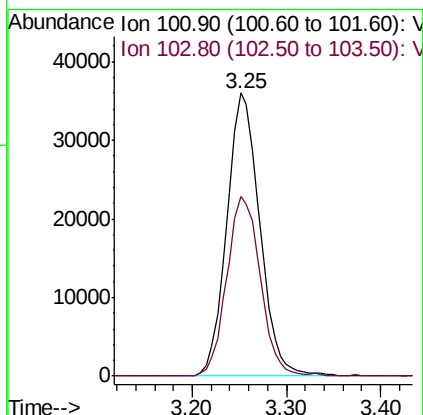
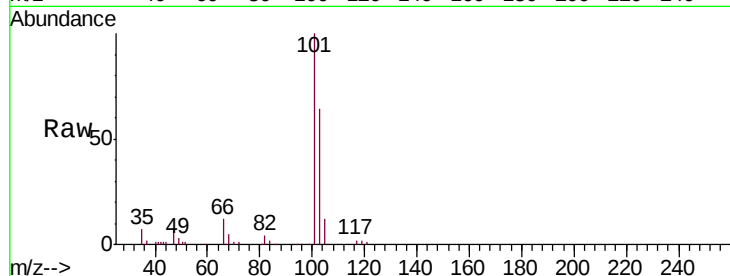


#7

Trichlorofluoromethane
 Concen: 62.878 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013414.D
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Instrument :
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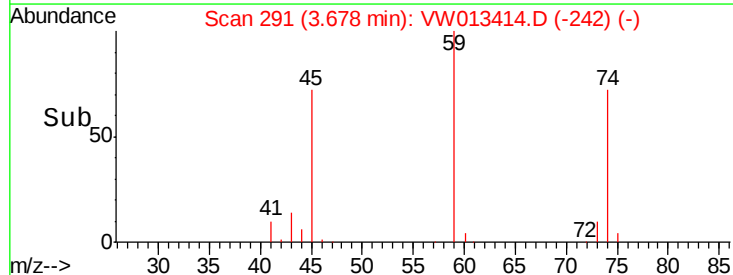
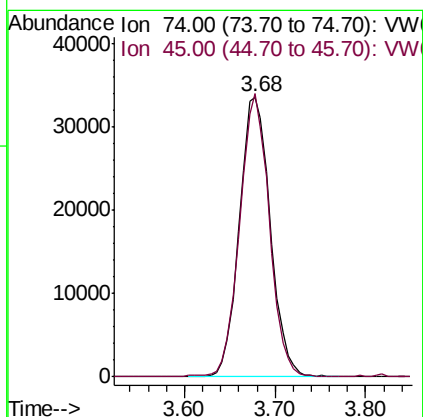
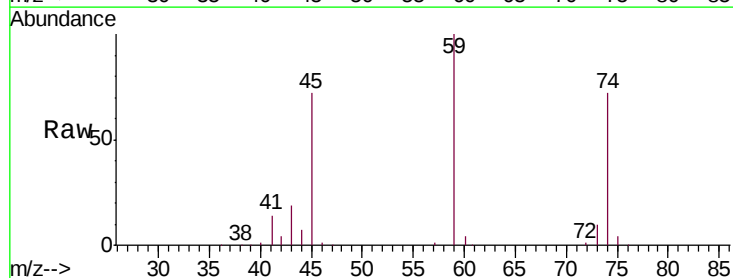
Tgt Ion:101 Resp: 87497
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.7 74.5

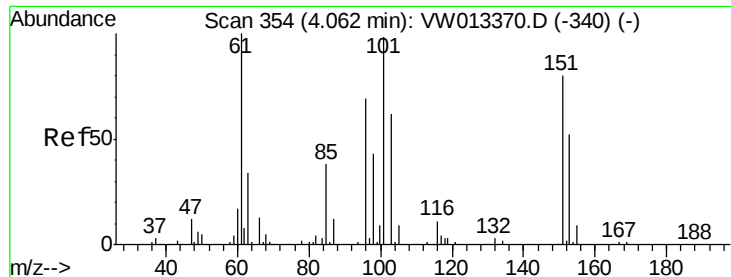


#8

Diethyl Ether
 Concen: 49.245 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 74 Resp: 79316
 Ion Ratio Lower Upper
 74 100
 45 96.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.725 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

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ClientSampleId :

VW1003SBS01

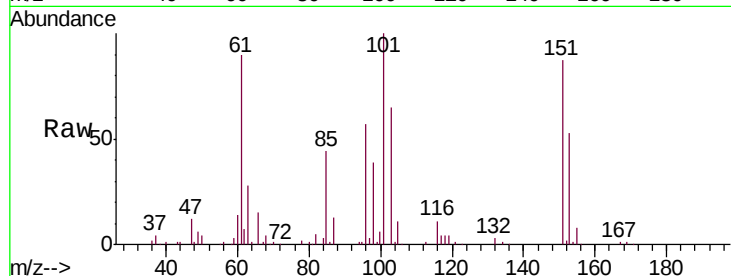
Tgt Ion:101 Resp: 162663

Ion Ratio Lower Upper

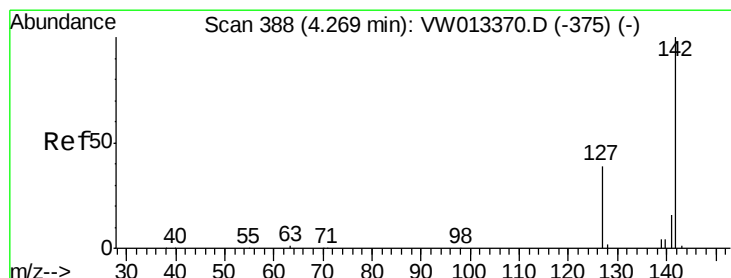
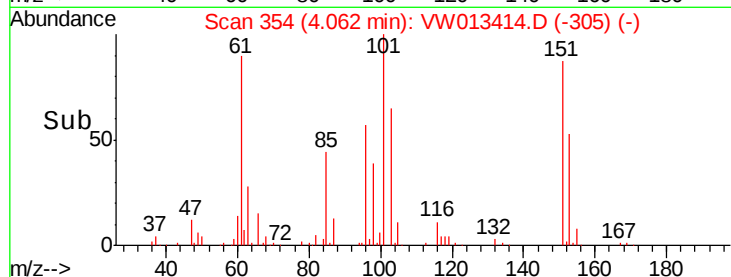
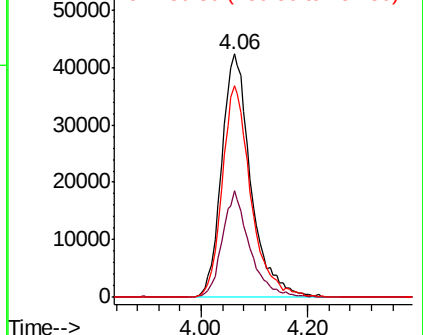
101 100

85 41.0 33.4 50.0

151 85.3 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: 51.825 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

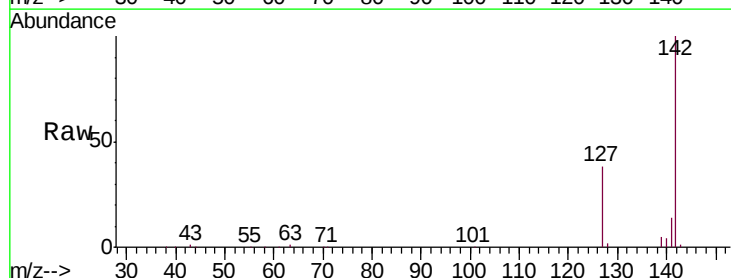
Tgt Ion:142 Resp: 258208

Ion Ratio Lower Upper

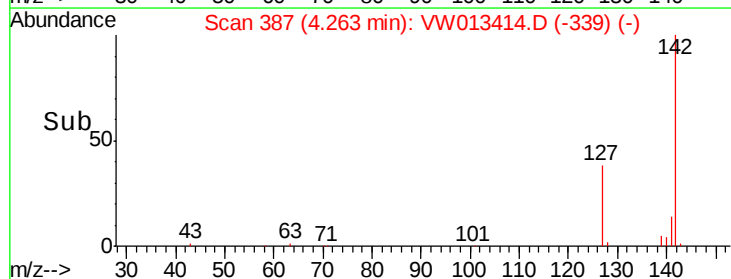
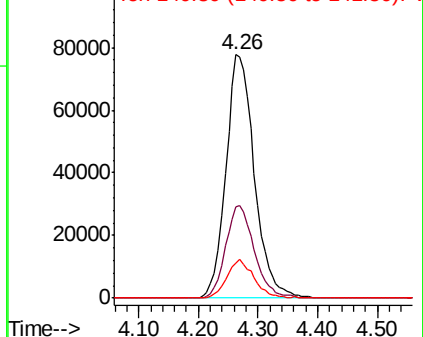
142 100

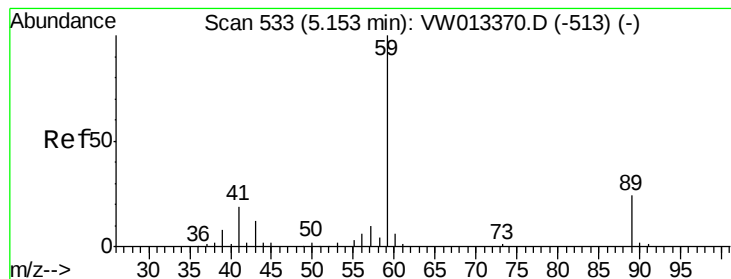
127 38.1 30.9 46.3

141 15.2 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



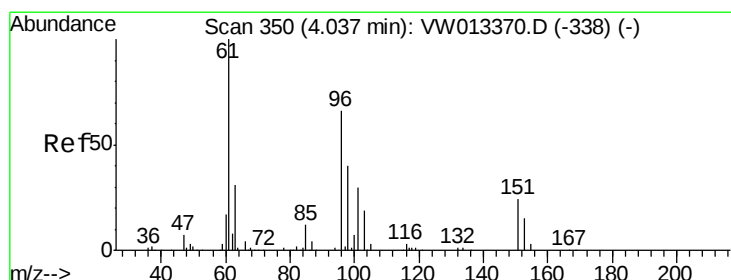
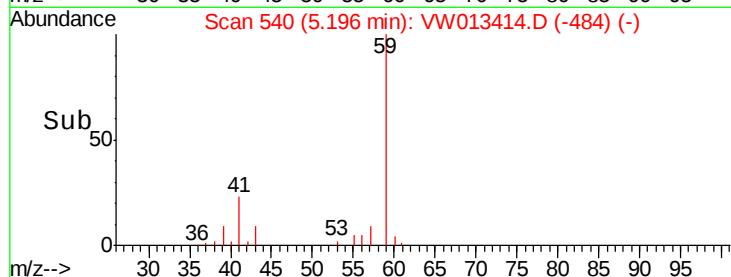
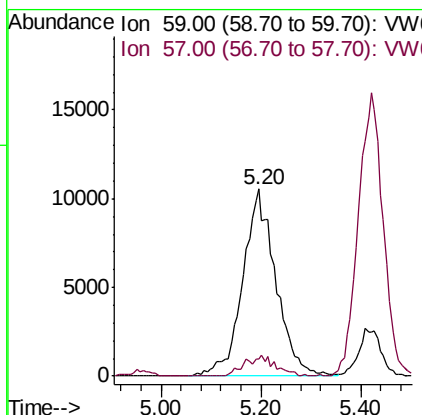
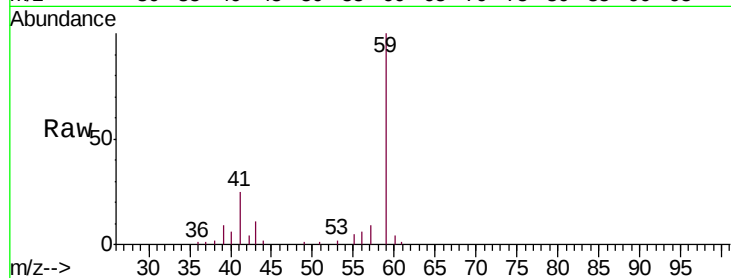


#11

Tert butyl alcohol
Concen: 221.973 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.04 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

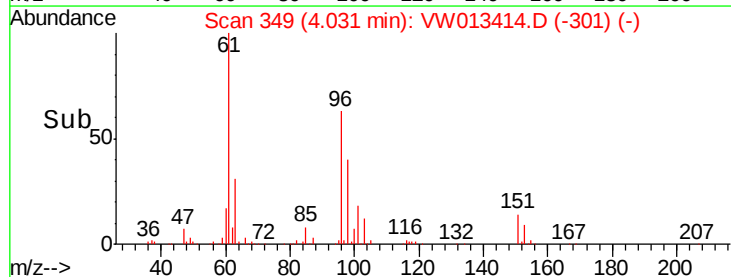
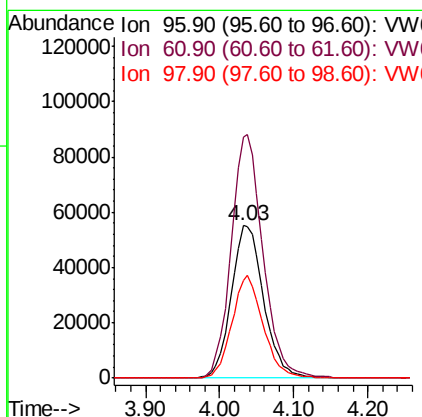
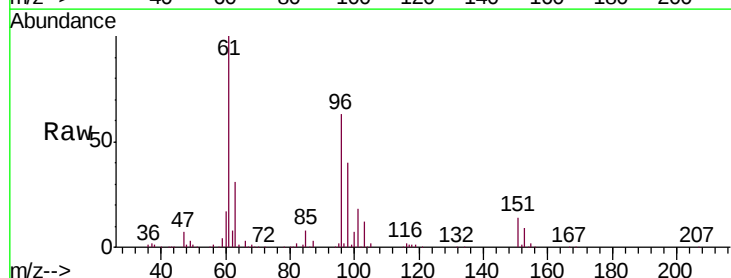
Tgt Ion: 59 Resp: 48775
Ion Ratio Lower Upper
59 100
57 6.5 8.2 12.2#

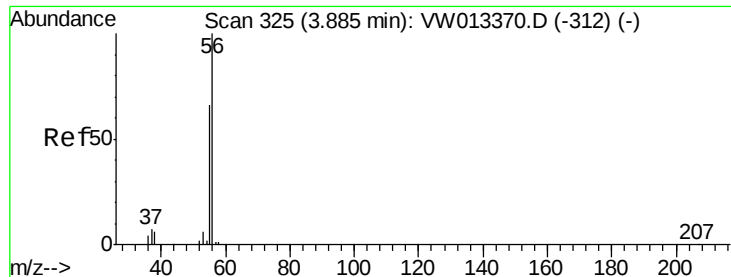


#12

1,1-Dichloroethene
Concen: 51.681 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion: 96 Resp: 168460
Ion Ratio Lower Upper
96 100
61 157.9 125.1 187.7
98 63.9 50.8 76.2





#13

Acrolein

Concen: 304.269 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

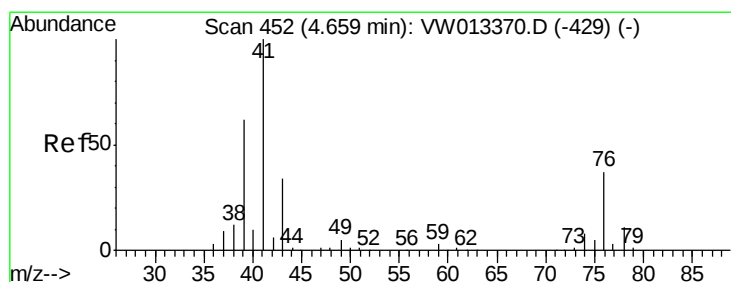
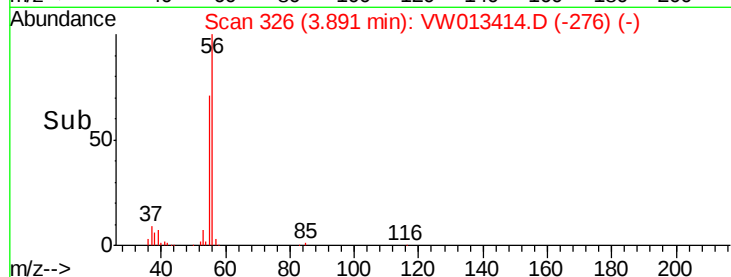
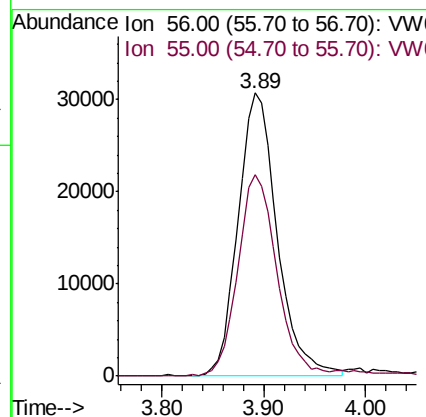
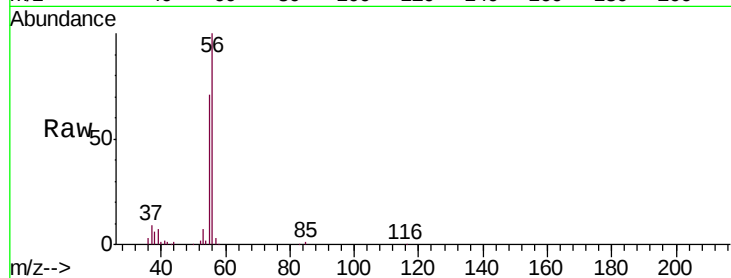
VW1003SBS01

Tgt Ion: 56 Resp: 81978

Ion Ratio Lower Upper

56 100

55 71.0 55.4 83.0



#14

Allyl chloride

Concen: 54.215 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

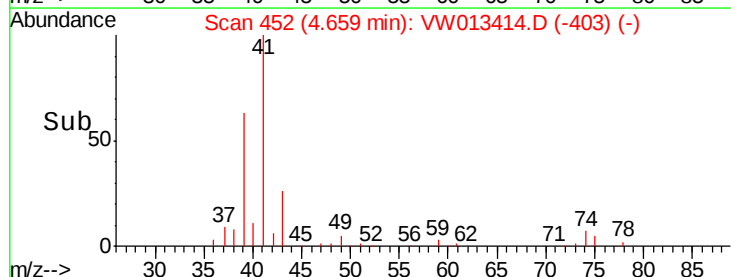
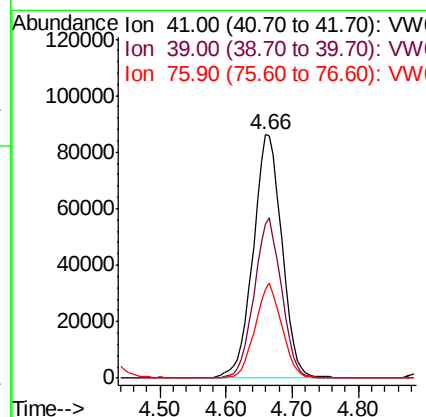
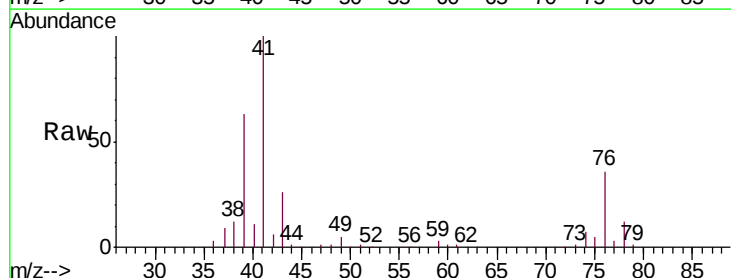
Tgt Ion: 41 Resp: 261428

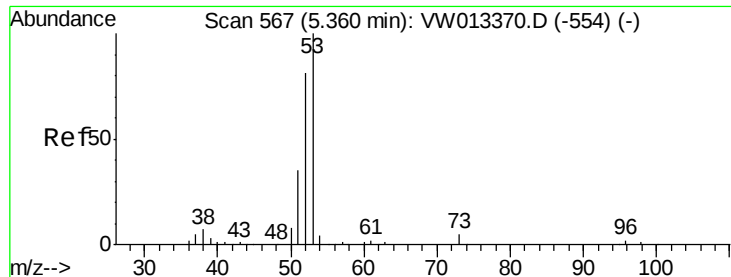
Ion Ratio Lower Upper

41 100

39 62.5 51.0 76.4

76 36.1 28.4 42.6





#15

Acrylonitrile

Concen: 231.707 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

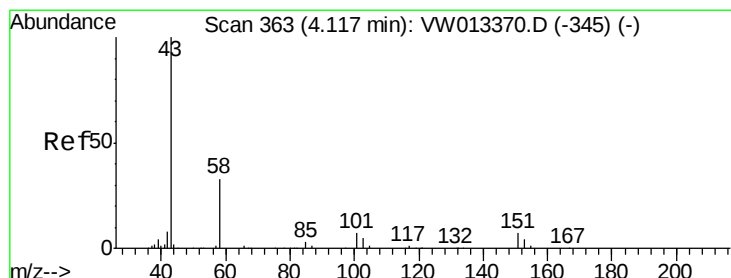
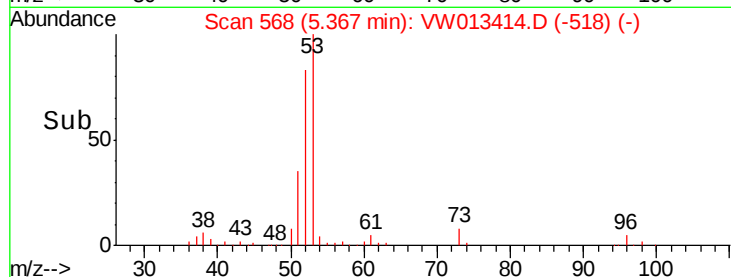
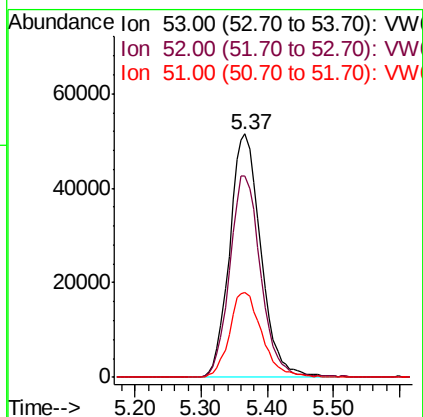
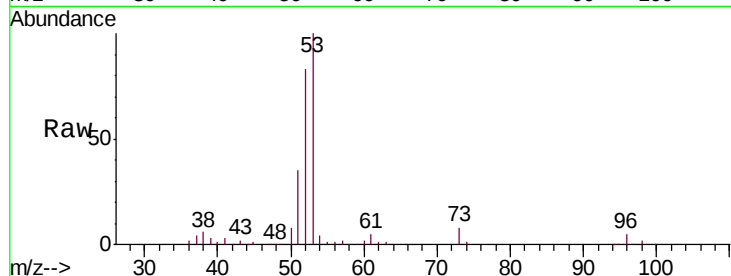
Tgt Ion: 53 Resp: 168706

Ion Ratio Lower Upper

53 100

52 81.9 65.3 97.9

51 36.2 29.0 43.4



#16

Acetone

Concen: 214.508 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013414.D

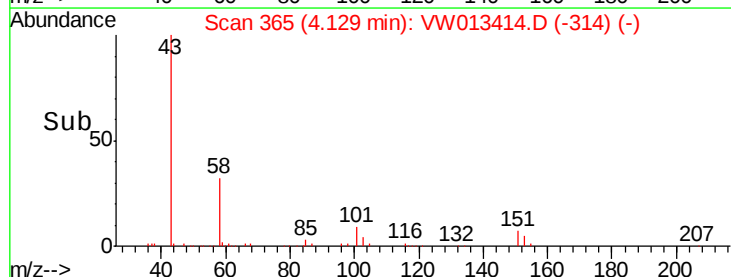
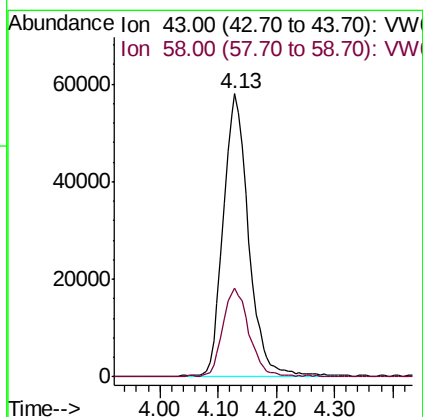
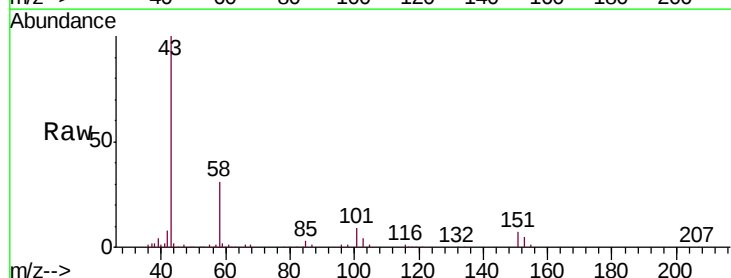
Acq: 03 Oct 2019 10:32

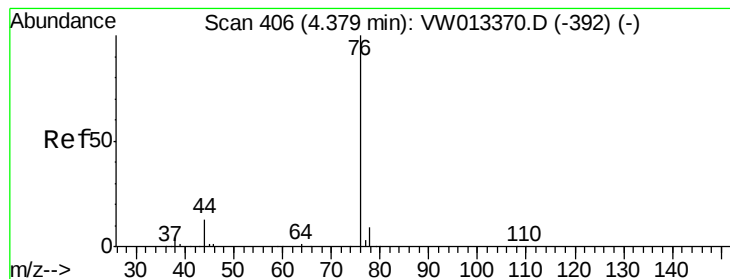
Tgt Ion: 43 Resp: 173841

Ion Ratio Lower Upper

43 100

58 31.5 24.1 36.1





#17

Carbon Disulfide

Concen: 53.238 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

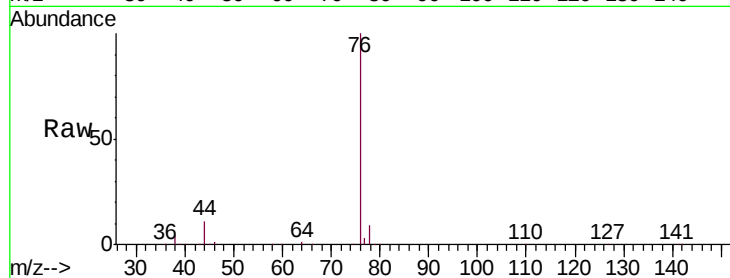
VW1003SBS01

Tgt Ion: 76 Resp: 484121

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

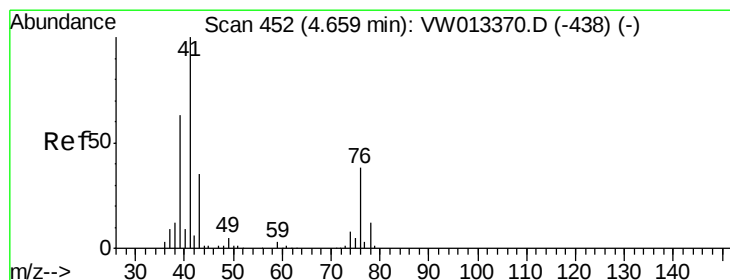
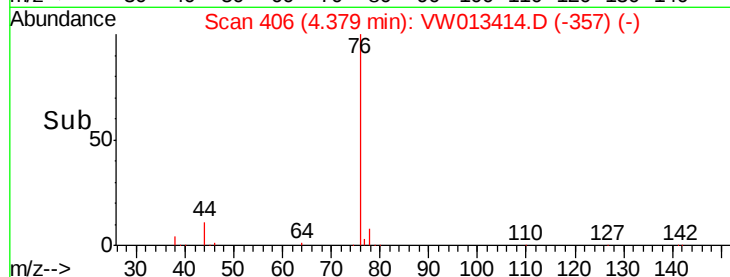
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 41.979 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013414.D

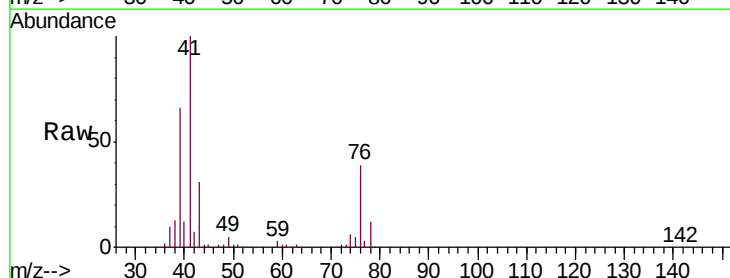
Acq: 03 Oct 2019 10:32

Tgt Ion: 43 Resp: 79627

Ion Ratio Lower Upper

43 100

74 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

30000

25000

20000

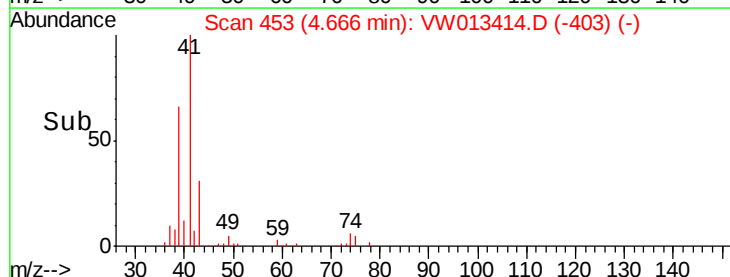
15000

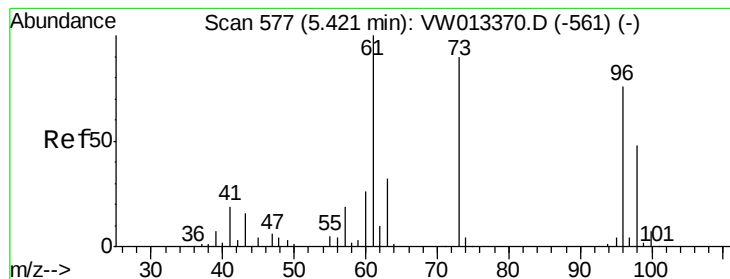
10000

5000

0

Time--> 4.50 4.60 4.70 4.80



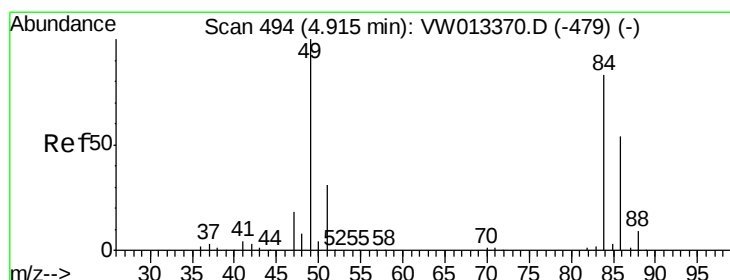
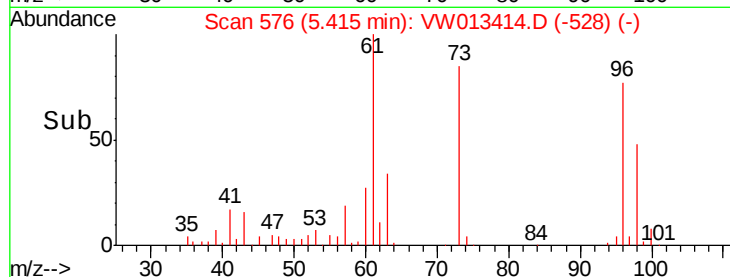
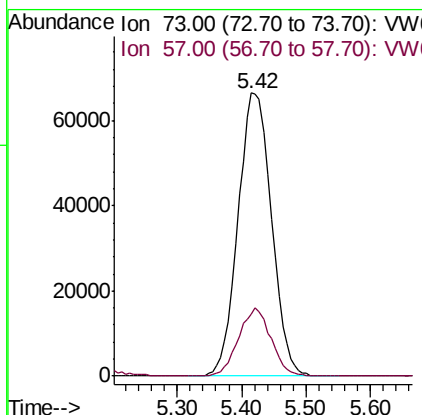
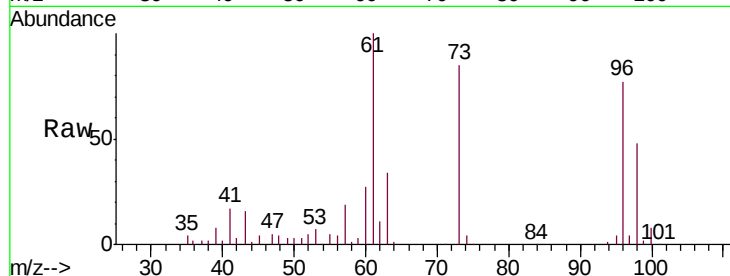


#19

Methyl tert-butyl Ether
 Concen: 49.651 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

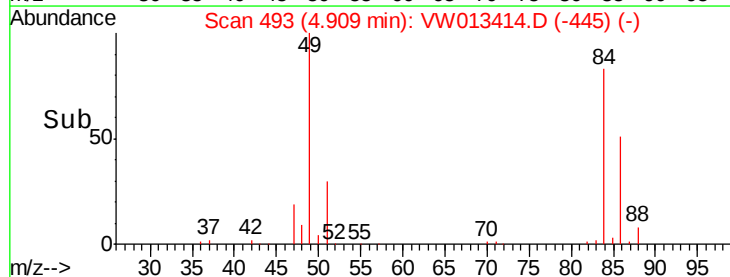
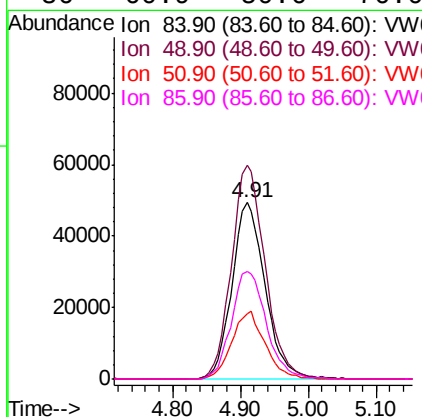
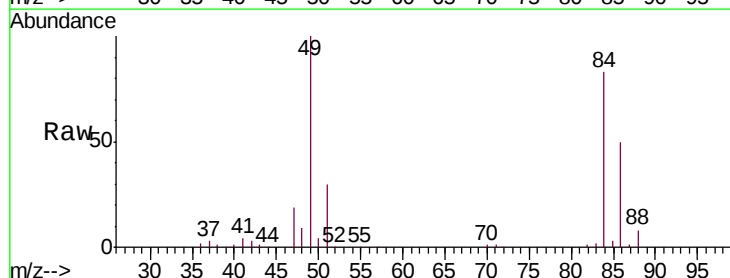
Tgt Ion: 73 Resp: 238202
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.6 26.4

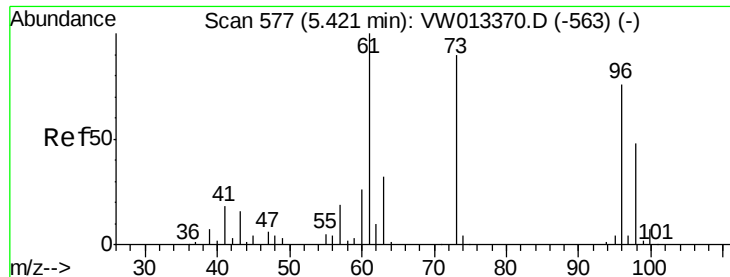


#20

Methylene Chloride
 Concen: 49.472 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 84 Resp: 167439
 Ion Ratio Lower Upper
 84 100
 49 121.0 97.6 146.4
 51 36.8 30.2 45.2
 86 60.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 51.617 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

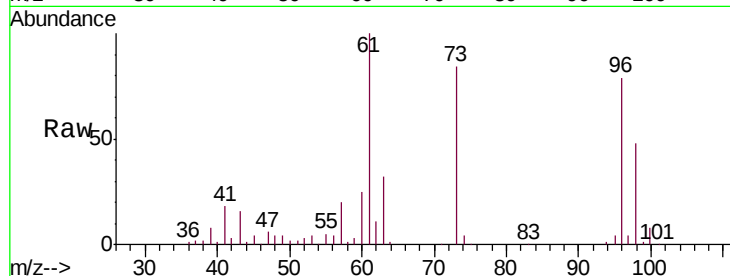
Tgt Ion: 96 Resp: 179178

Ion Ratio Lower Upper

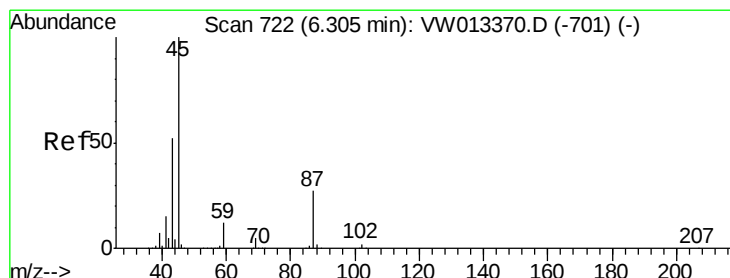
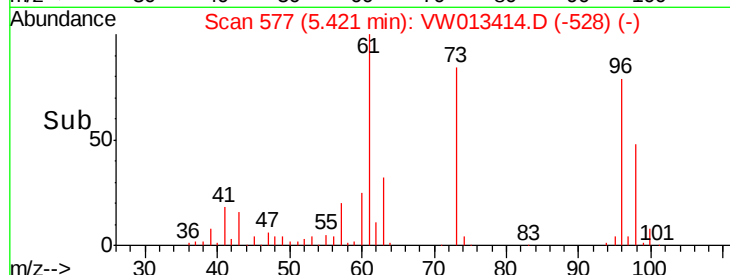
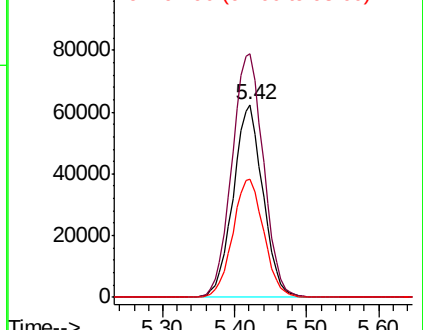
96 100

61 126.1 106.6 159.8

98 61.0 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: 51.699 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Tgt Ion: 45 Resp: 481434

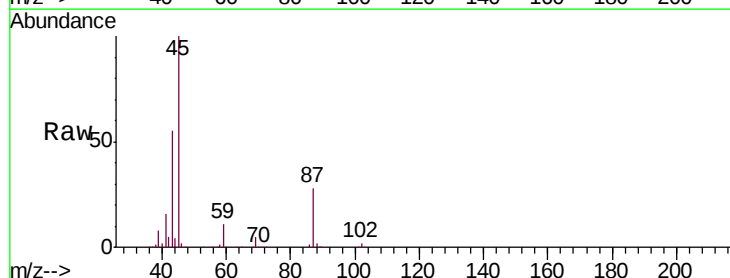
Ion Ratio Lower Upper

45 100

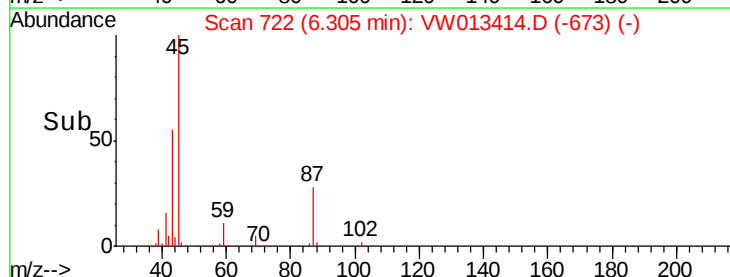
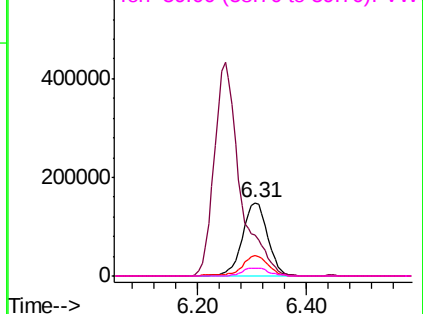
43 55.2 42.4 63.6

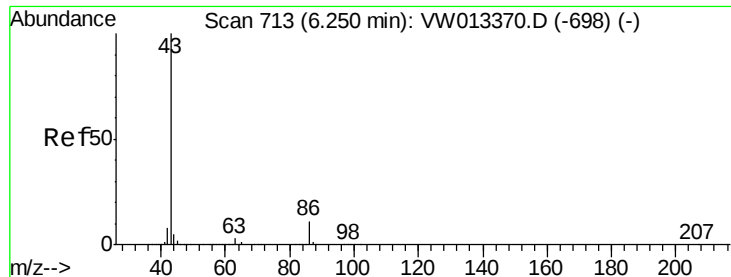
87 27.8 20.4 30.6

59 10.8 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: 253.906 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

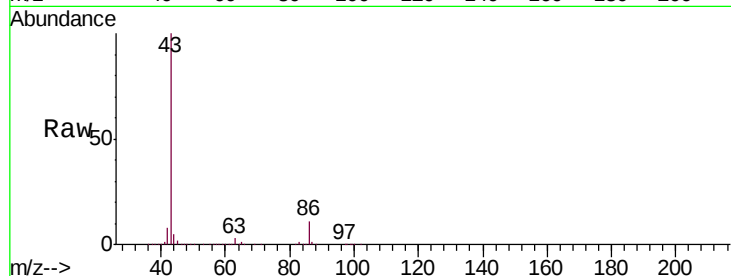
VW1003SBS01

Tgt Ion: 43 Resp: 1418764

Ion Ratio Lower Upper

43 100

86 11.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

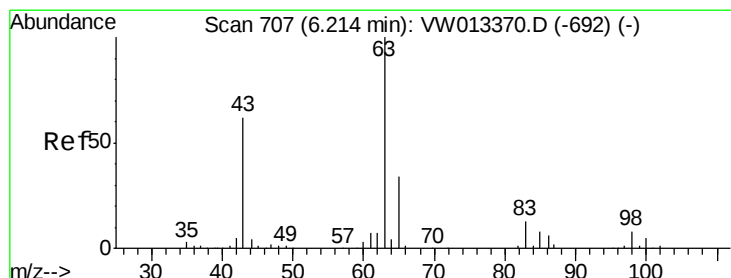
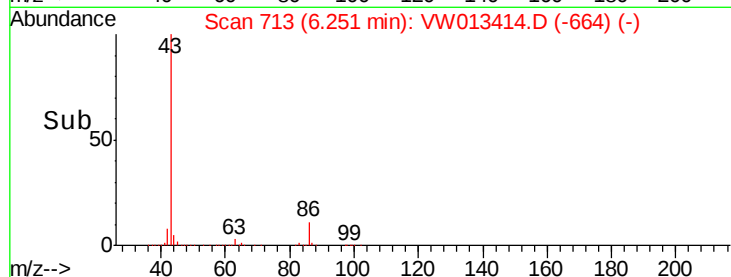
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.025 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

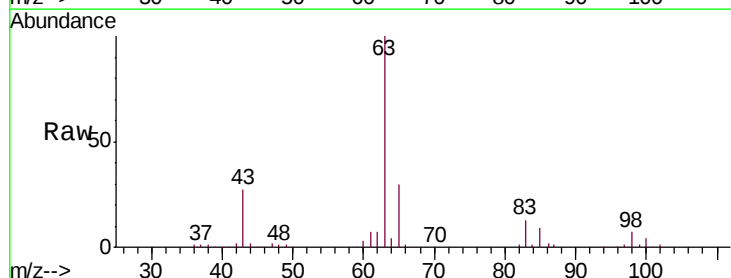
Tgt Ion: 63 Resp: 295083

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

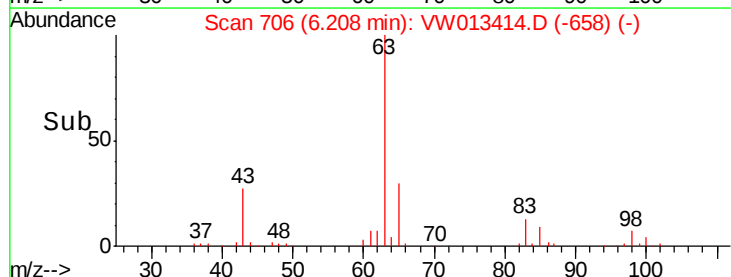
6.21

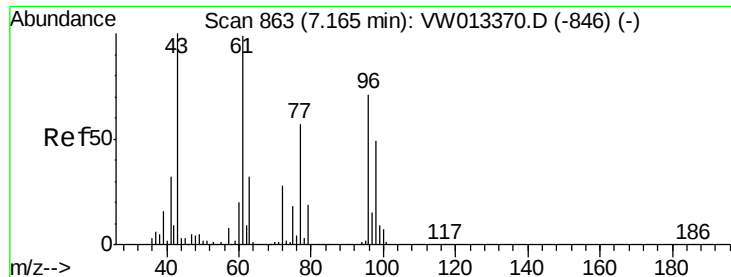
100000

50000

0

Time-->





#25

2-Butanone

Concen: 221.454 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampled :

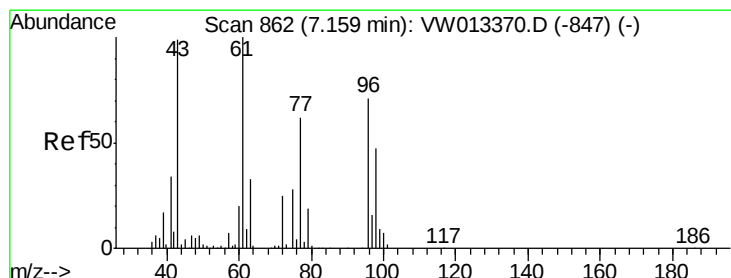
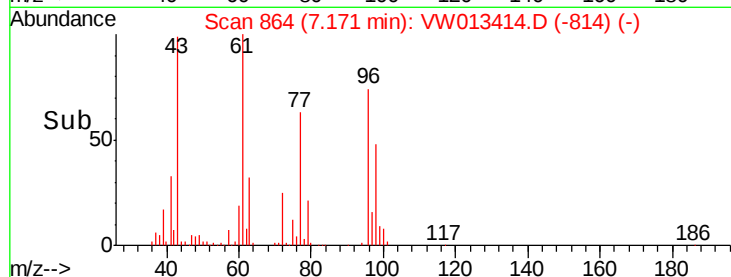
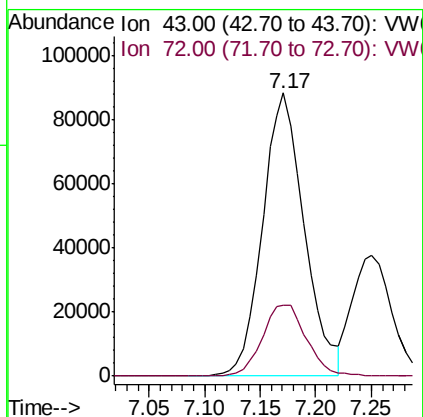
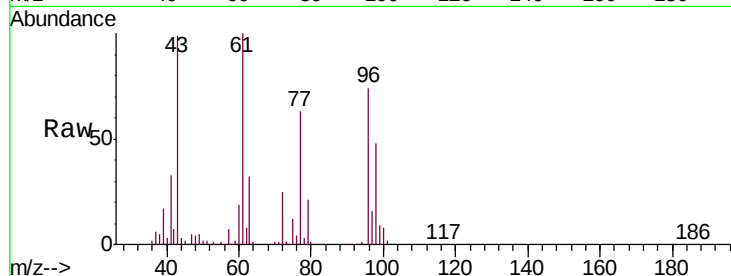
VW1003SBS01

Tgt Ion: 43 Resp: 229646

Ion Ratio Lower Upper

43 100

72 24.9 19.4 29.0



#26

2,2-Dichloropropane

Concen: 54.834 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013414.D

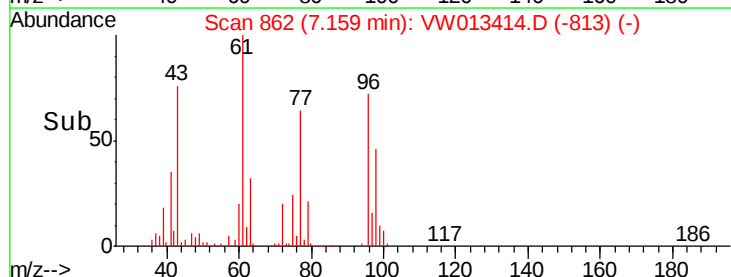
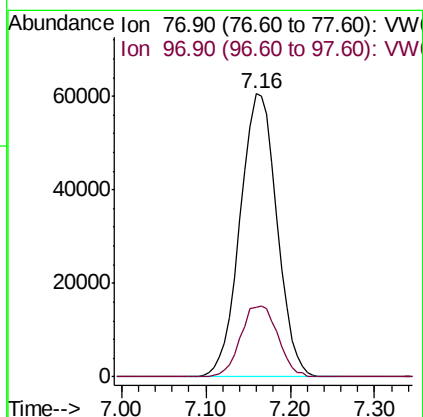
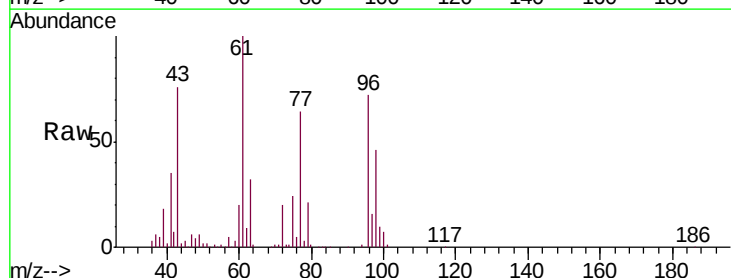
Acq: 03 Oct 2019 10:32

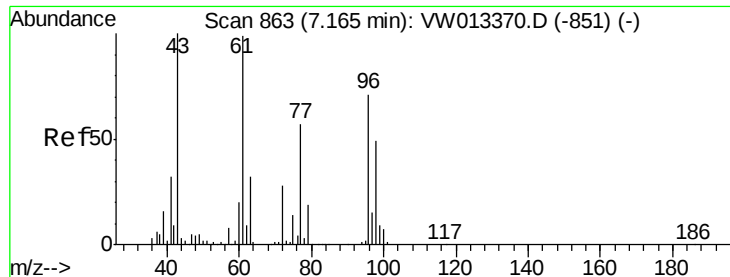
Tgt Ion: 77 Resp: 179421

Ion Ratio Lower Upper

77 100

97 25.5 11.8 35.4



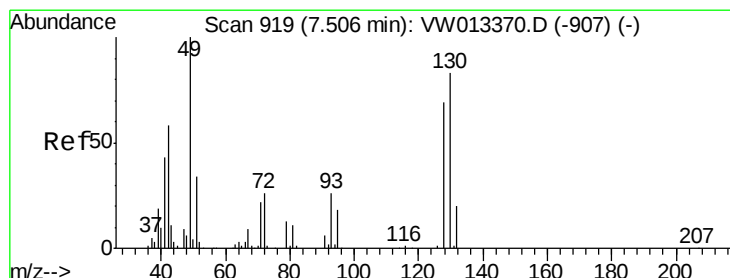
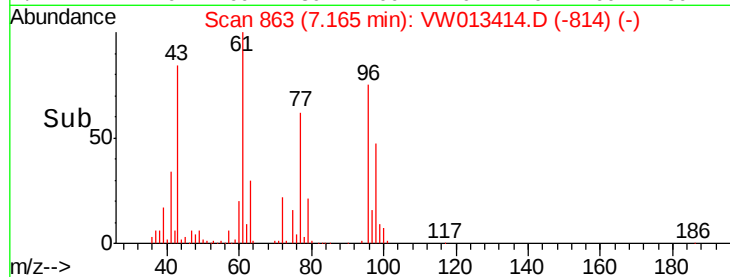
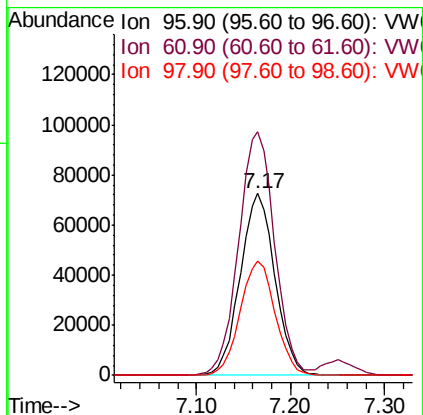
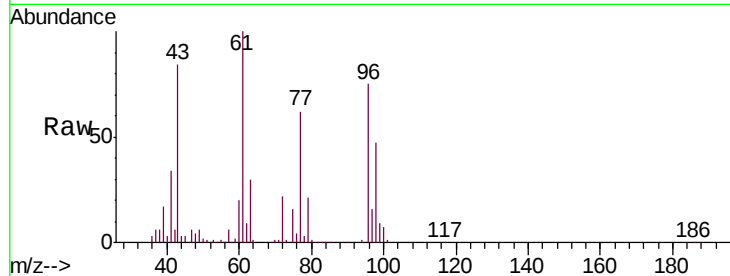


#27

cis-1,2-Dichloroethene
Concen: 51.563 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

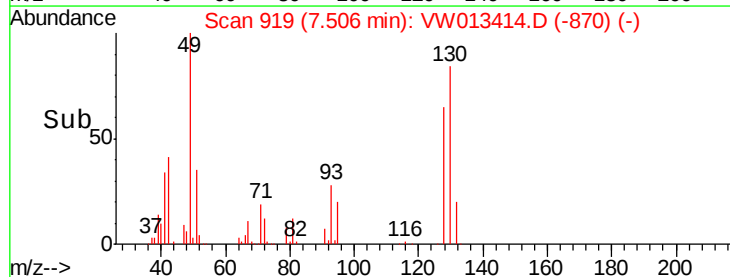
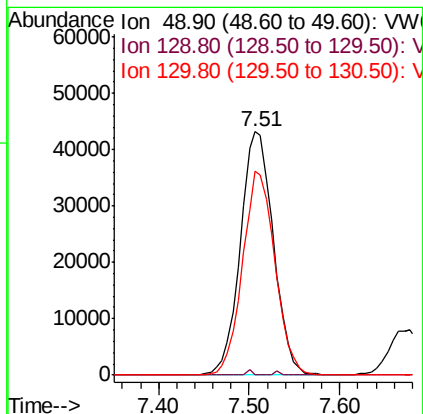
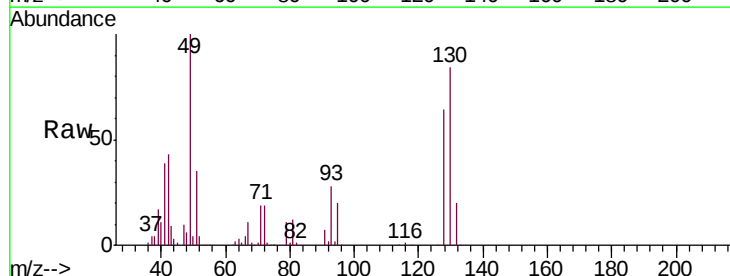
Tgt Ion: 96 Resp: 187354
Ion Ratio Lower Upper
96 100
61 138.7 0.0 282.4
98 63.7 0.0 128.2

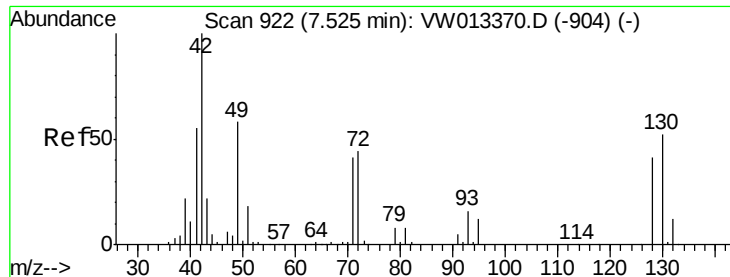


#28

Bromochloromethane
Concen: 53.025 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion: 49 Resp: 108742
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.0
130 82.2 63.4 95.2

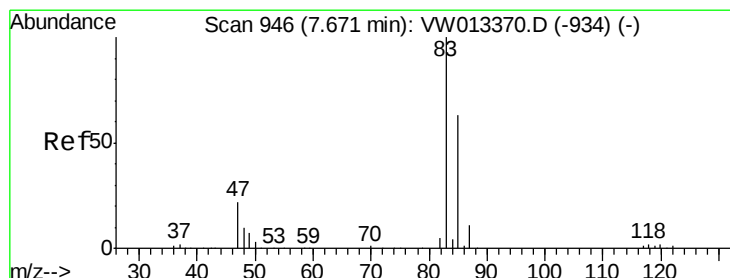
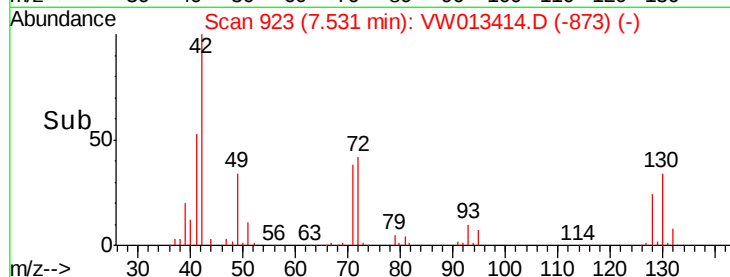
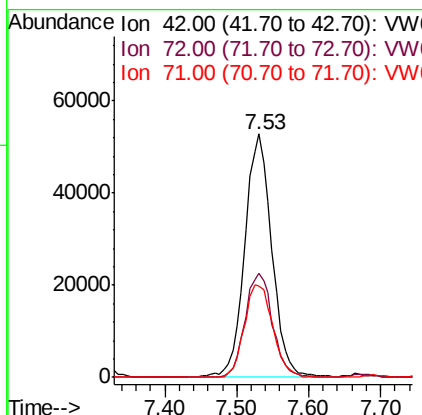
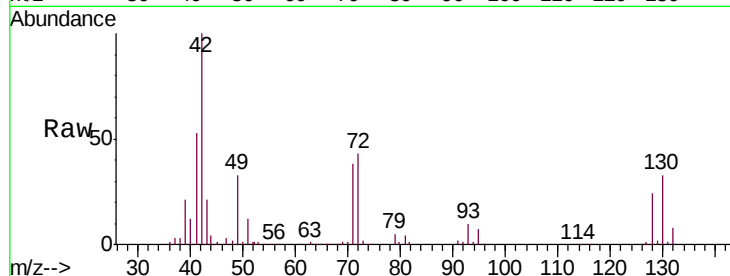




#29
Tetrahydrofuran
Concen: 228.516 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

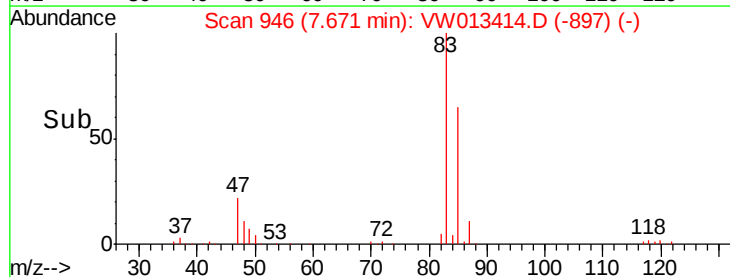
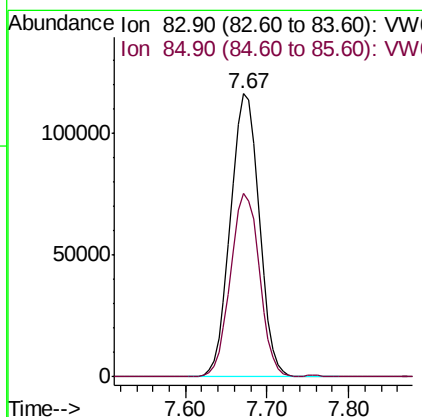
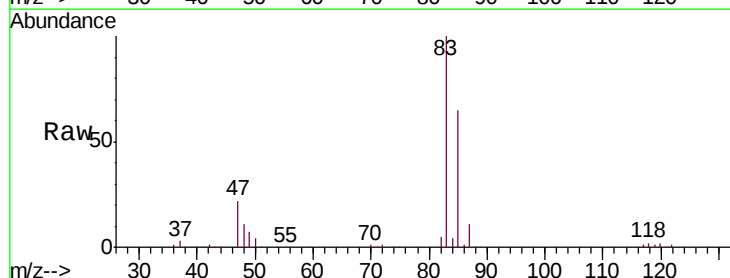
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

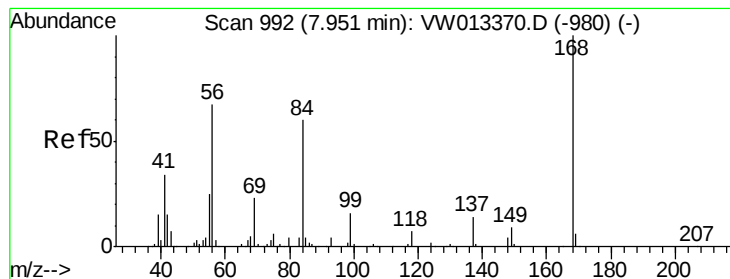
Tgt Ion: 42 Resp: 137308
Ion Ratio Lower Upper
42 100
72 43.4 33.9 50.9
71 40.3 31.9 47.9



#30
Chloroform
Concen: 50.953 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion: 83 Resp: 283384
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5





#31

Cyclohexane

Concen: 49.940 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

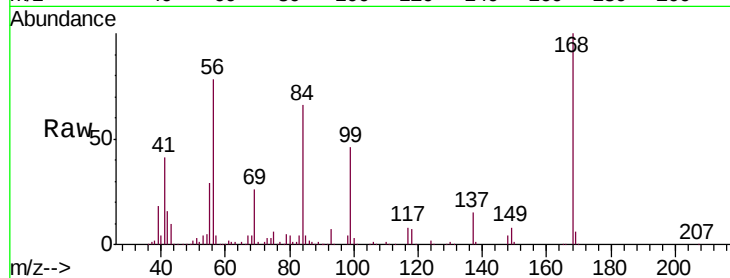
Tgt Ion: 56 Resp: 302076

Ion Ratio Lower Upper

56 100

69 33.2 27.2 40.8

84 84.1 70.8 106.2

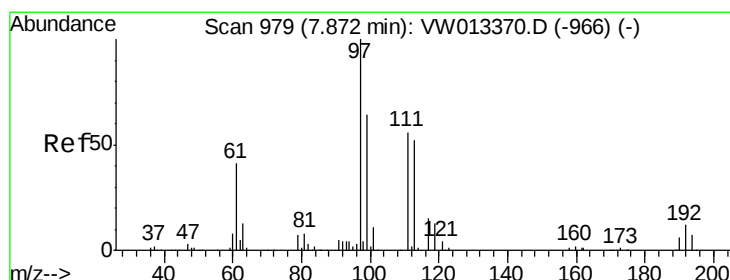
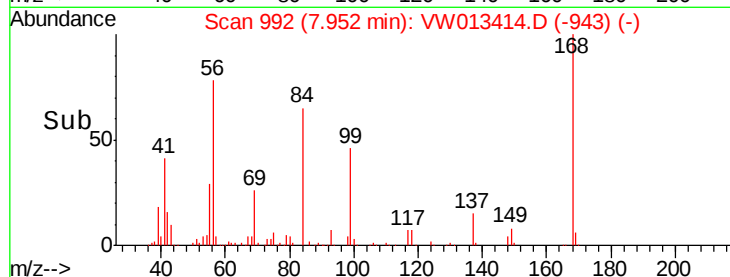
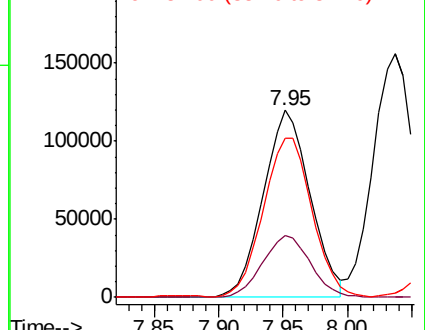


Abundance

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: 53.566 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

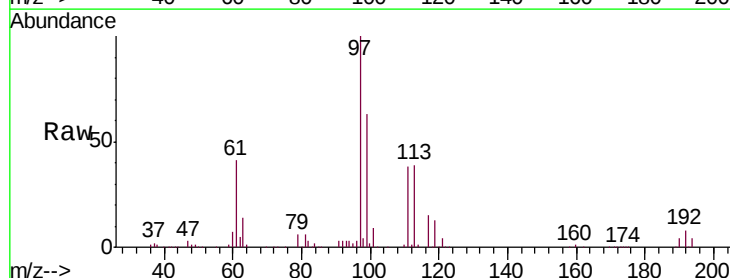
Tgt Ion: 97 Resp: 233398

Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

61 42.6 34.6 51.8

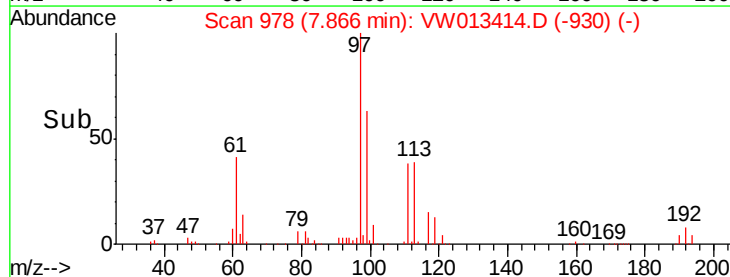
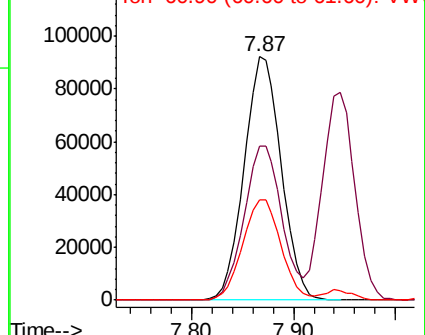


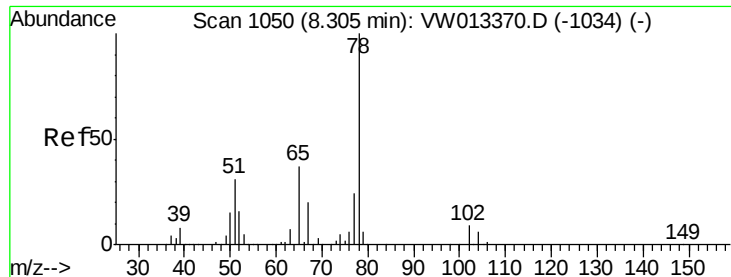
Abundance

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

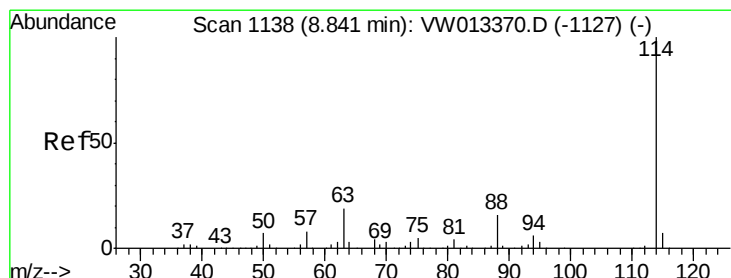
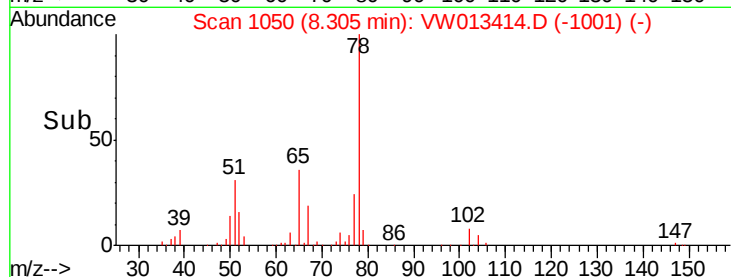
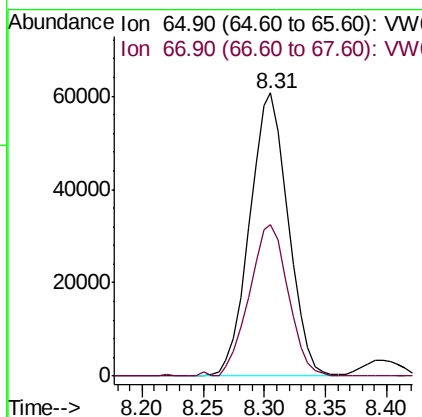
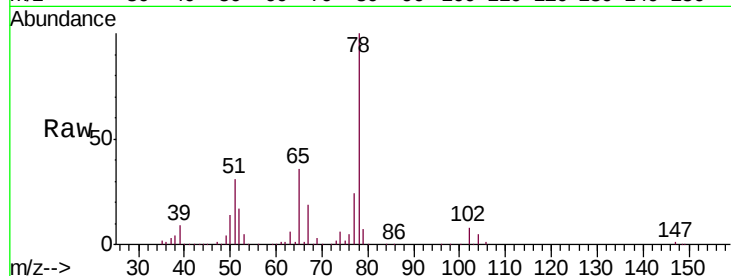




#33
 1,2-Dichloroethane-d4
 Concen: 50.270 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

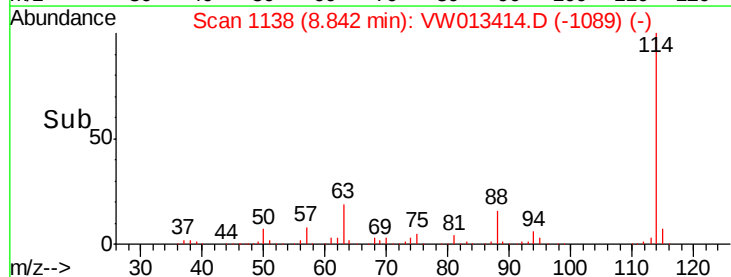
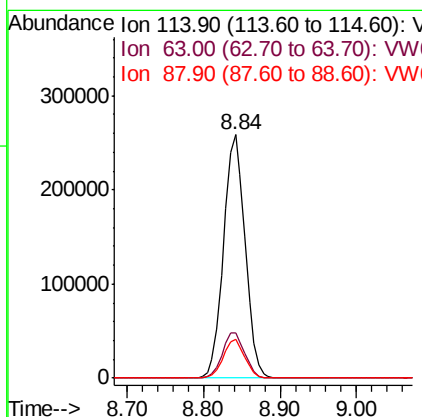
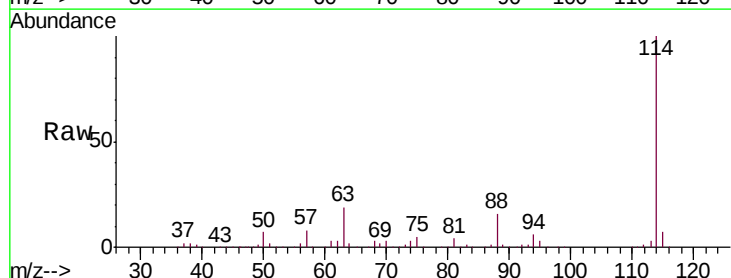
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

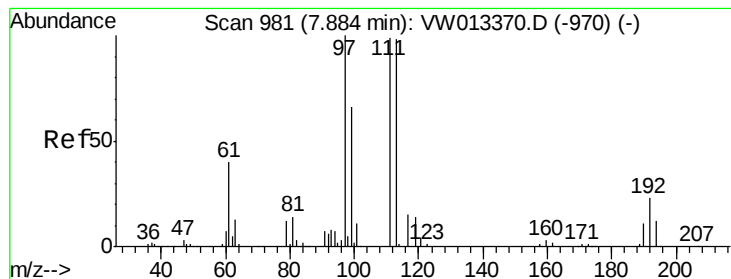
Tgt Ion: 65 Resp: 132912
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 114 Resp: 503878
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.984 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

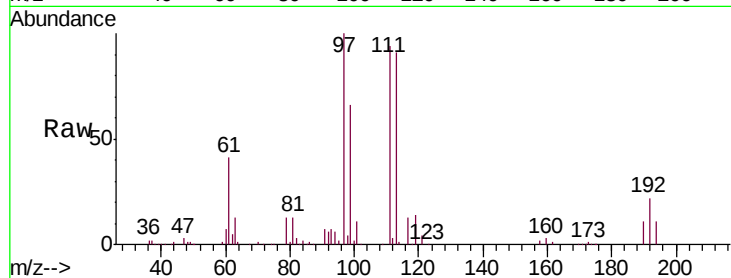
Tgt Ion: 113 Resp: 137445

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

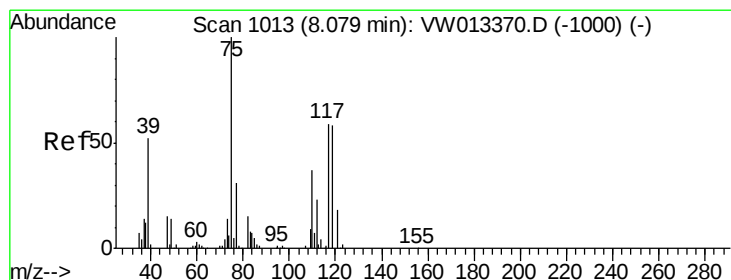
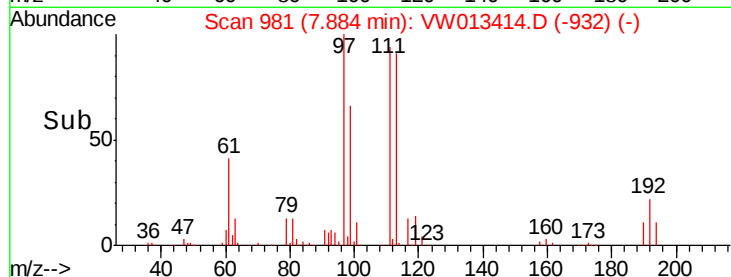
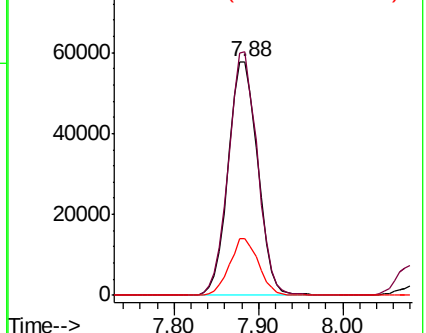
192 23.6 19.1 28.7



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: 53.055 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

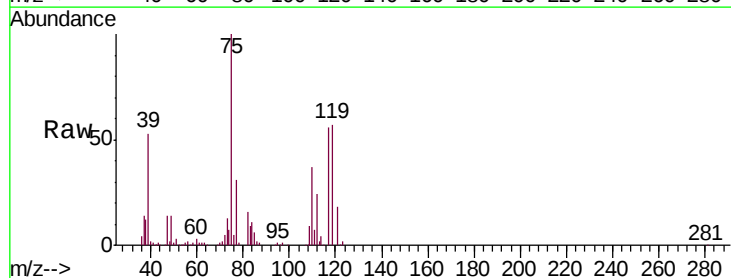
Tgt Ion: 75 Resp: 248300

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.3

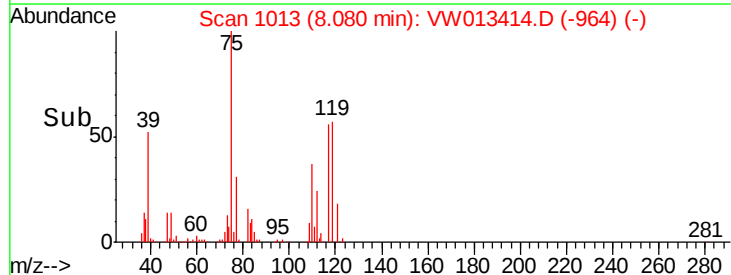
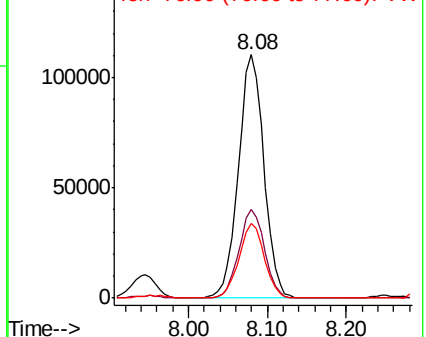
77 30.8 25.8 38.6

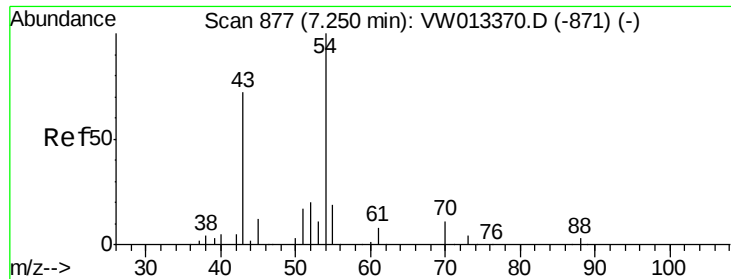


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

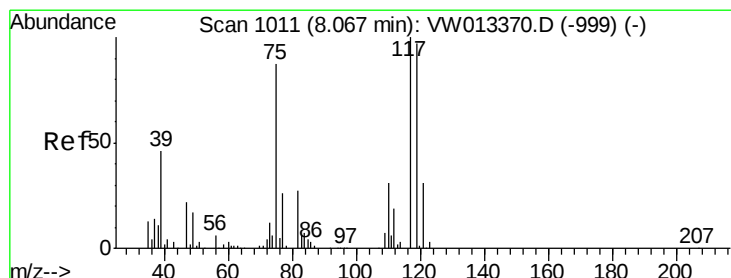
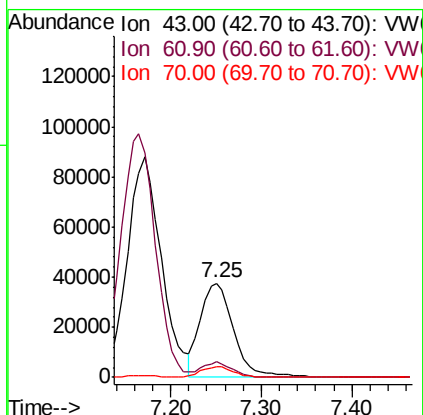
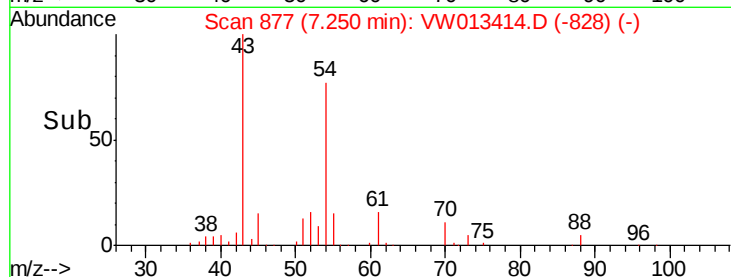
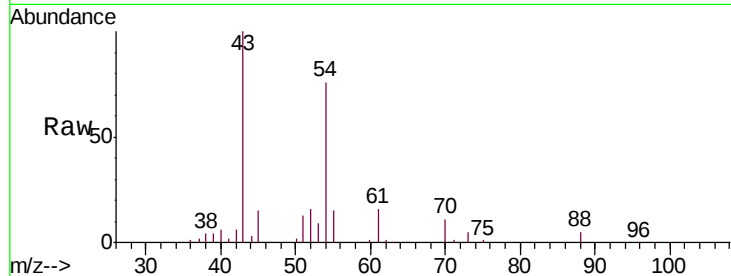




#37
Ethyl Acetate
Concen: 46.323 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

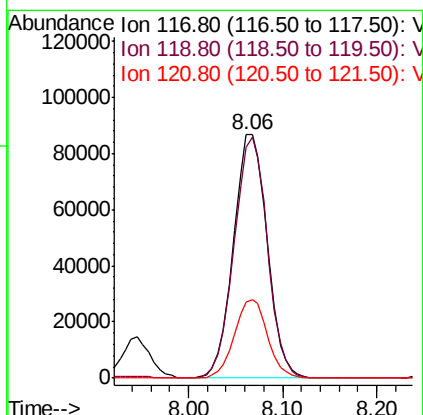
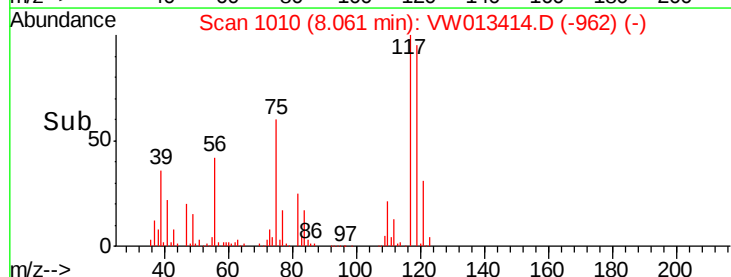
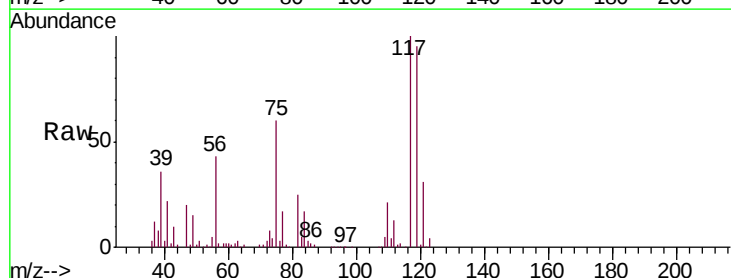
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

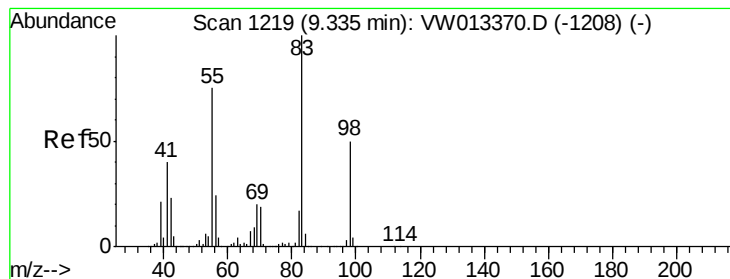
Tgt Ion: 43 Resp: 95659
Ion Ratio Lower Upper
43 100
61 15.3 10.9 16.3
70 11.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 53.682 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion: 117 Resp: 217629
Ion Ratio Lower Upper
117 100
119 95.0 73.5 110.3
121 31.3 25.0 37.6

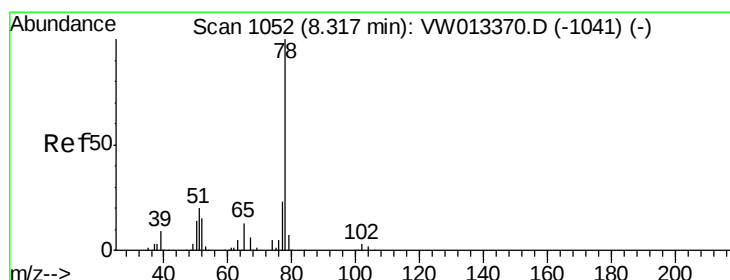
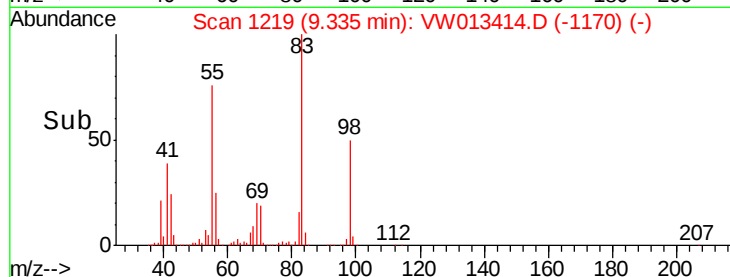
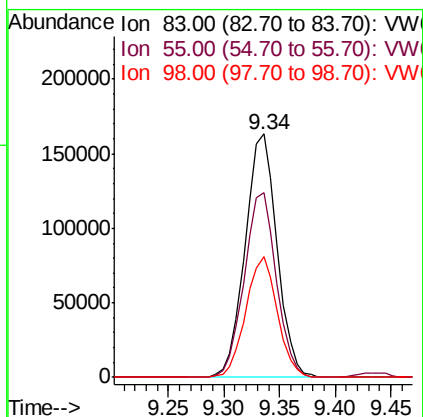
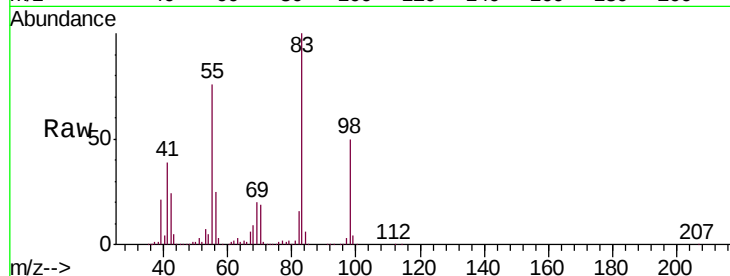




#39
Methylcyclohexane
Concen: 52.772 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

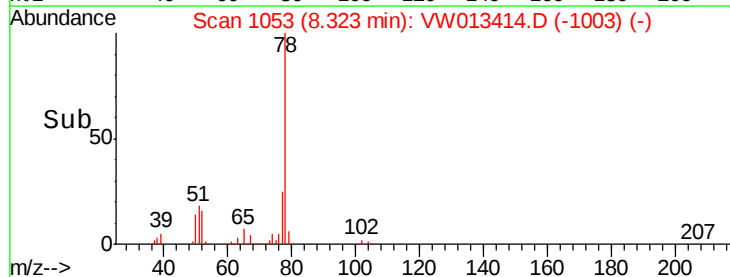
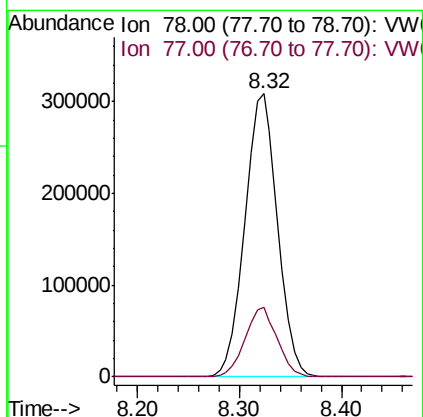
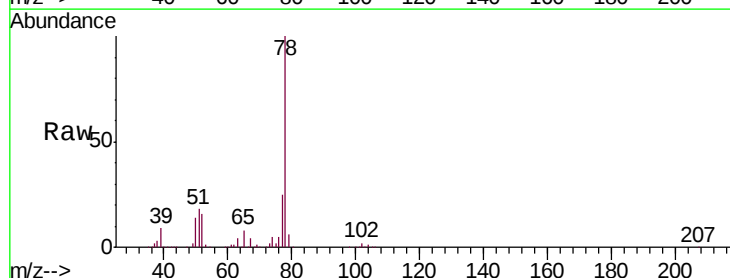
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

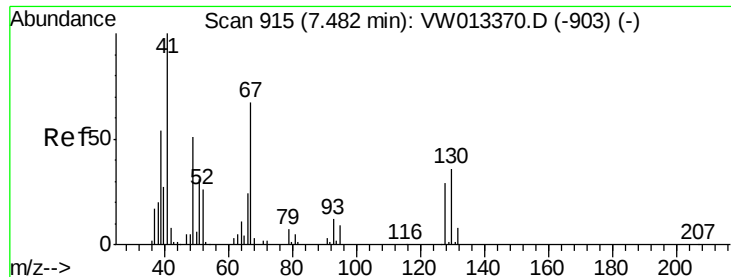
Tgt Ion: 83 Resp: 325264
Ion Ratio Lower Upper
83 100
55 75.9 60.4 90.6
98 49.8 40.0 60.0



#40
Benzene
Concen: 51.757 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion: 78 Resp: 685688
Ion Ratio Lower Upper
78 100
77 24.7 19.1 28.7

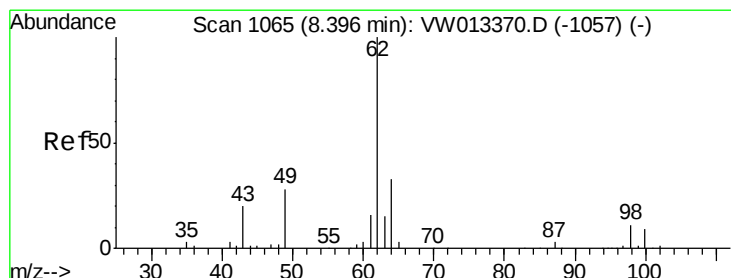
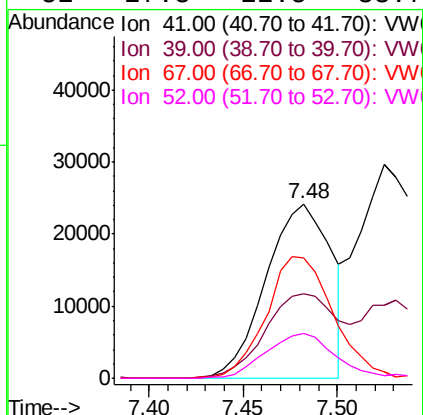
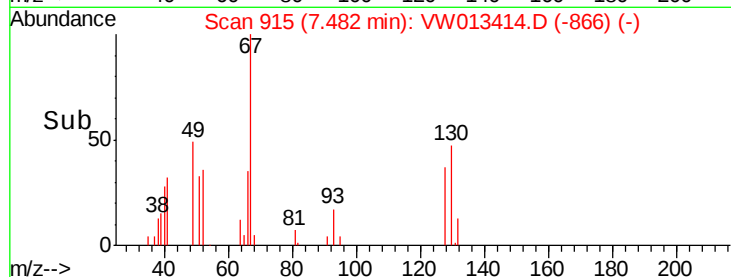
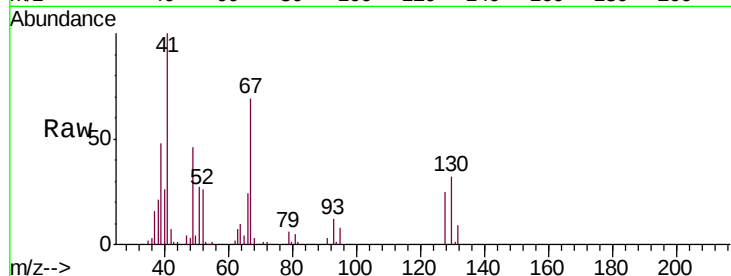




#41
Methacrylonitrile
Concen: 46.782 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

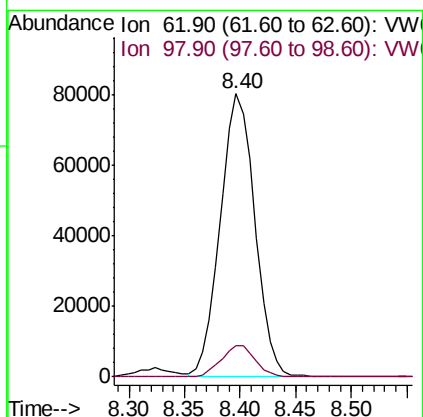
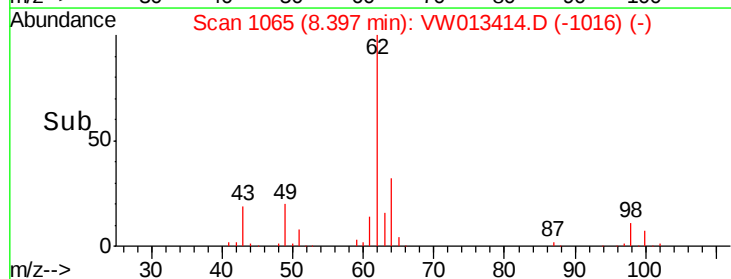
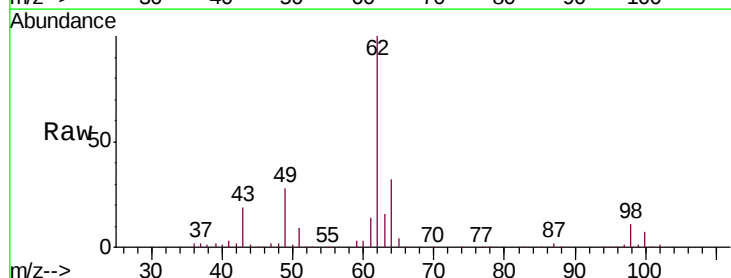
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

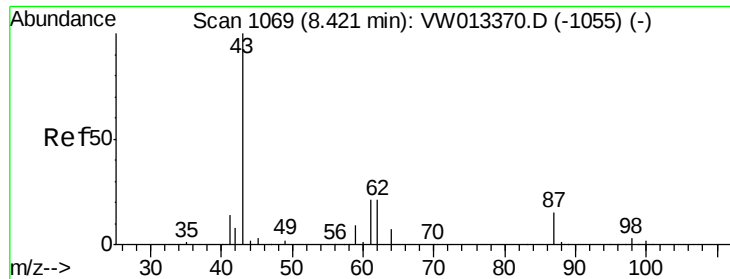
Tgt Ion:	41	Resp:	58262
Ion	Ratio	Lower	Upper
41	100		
39	54.8	45.9	68.9
67	71.5	54.5	81.7
52	27.8	22.5	33.7



#42
1,2-Dichloroethane
Concen: 50.731 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion:	62	Resp:	172738
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 46.864 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

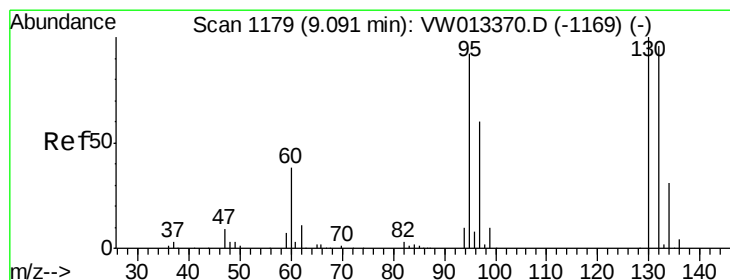
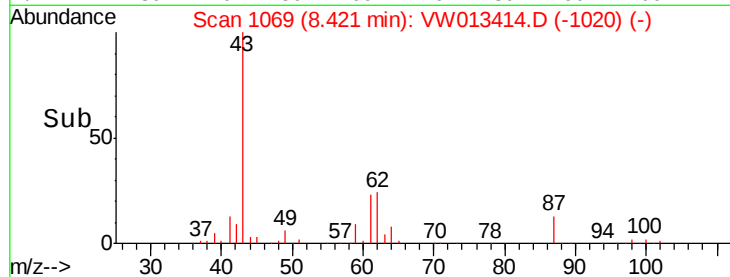
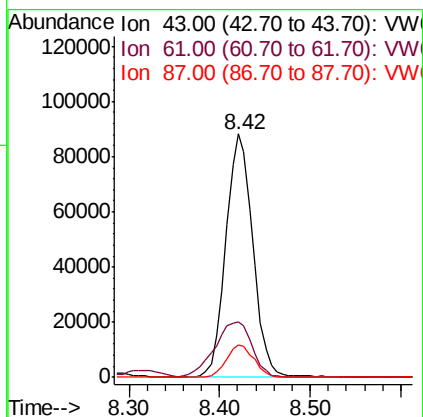
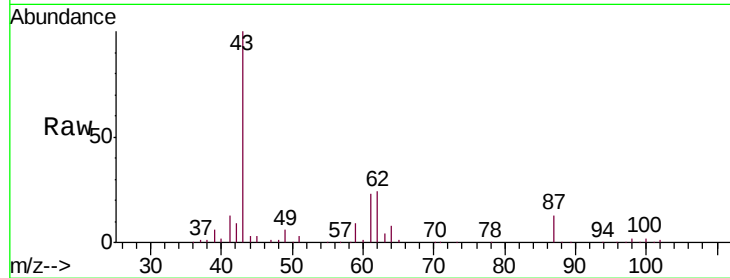
Tgt Ion: 43 Resp: 182184

Ion Ratio Lower Upper

43 100

61 31.7 25.5 38.3

87 13.6 11.0 16.4



#44

Trichloroethene

Concen: 51.574 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013414.D

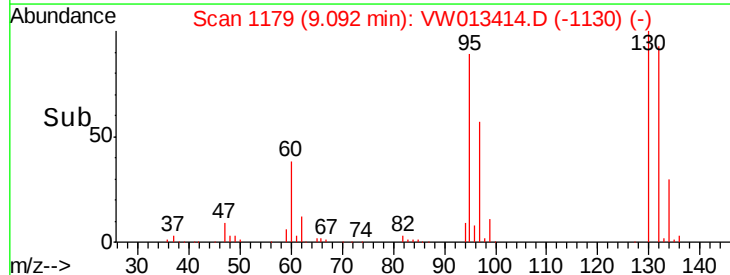
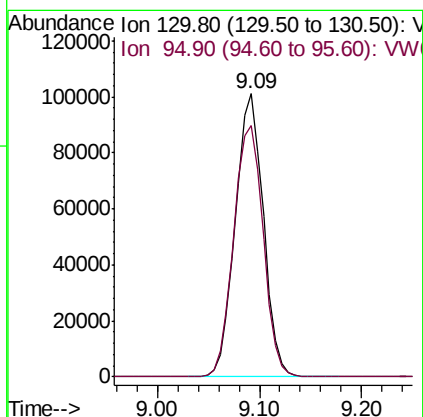
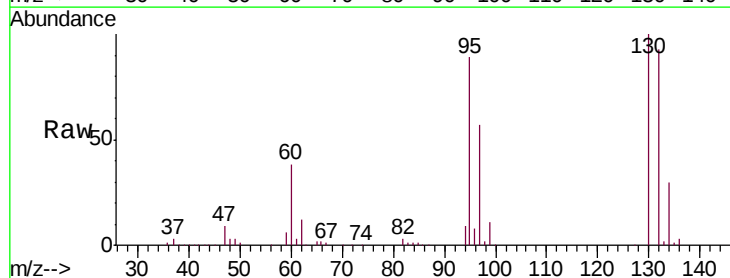
Acq: 03 Oct 2019 10:32

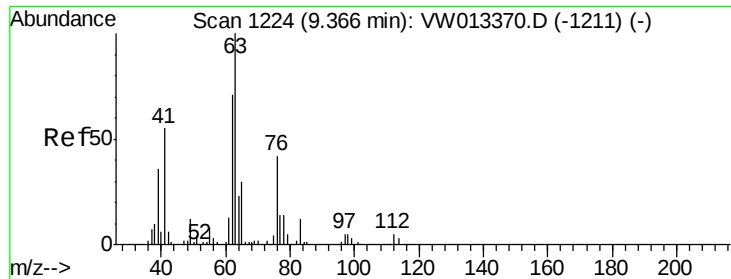
Tgt Ion: 130 Resp: 192408

Ion Ratio Lower Upper

130 100

95 88.8 0.0 188.0

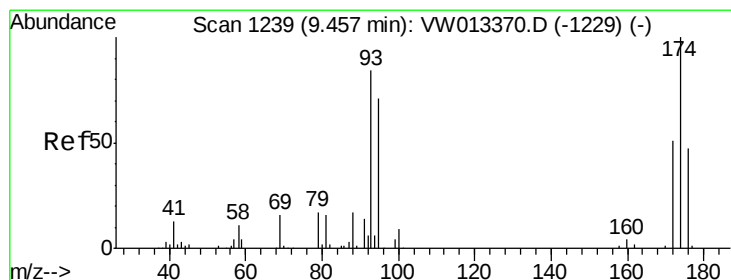
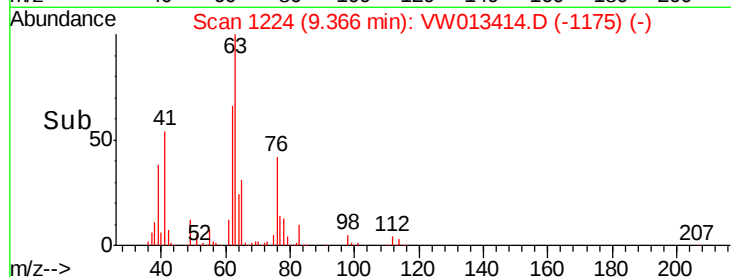
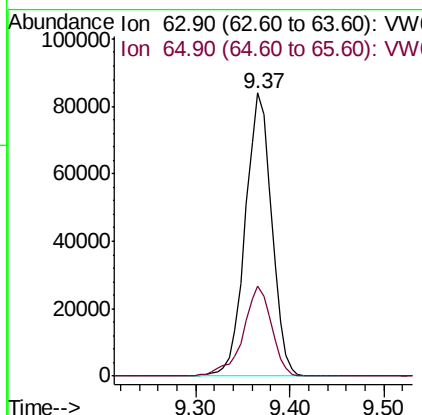
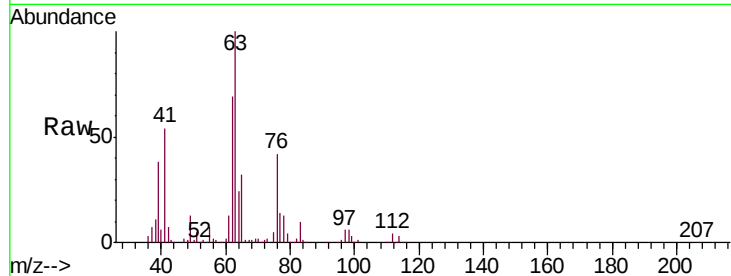




#45
 1,2-Dichloropropane
 Concen: 51.462 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

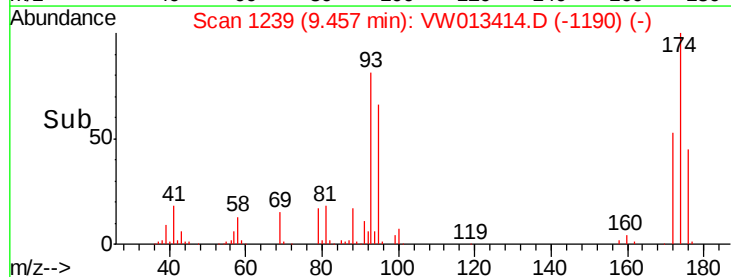
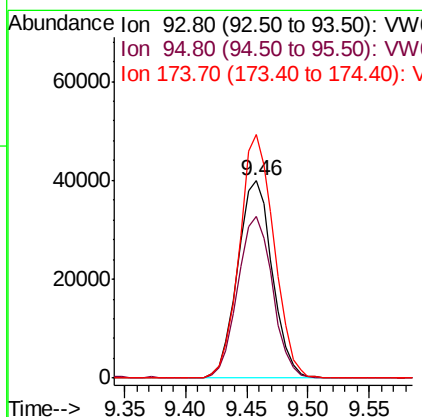
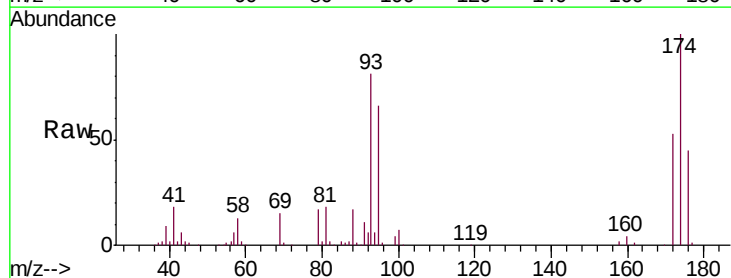
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

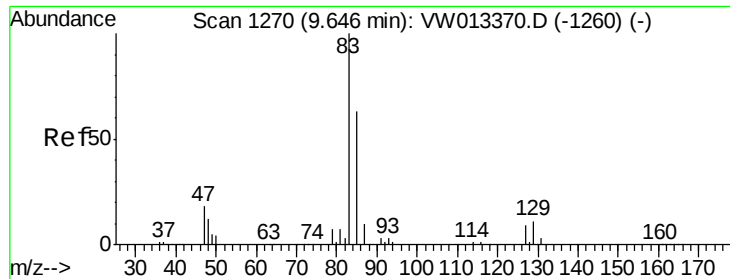
Tgt Ion: 63 Resp: 163696
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.3 37.9



#46
 Dibromomethane
 Concen: 49.846 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 93 Resp: 78975
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.4 99.6
 174 122.1 93.0 139.6

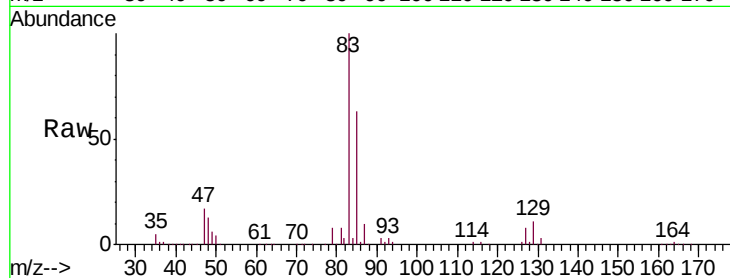




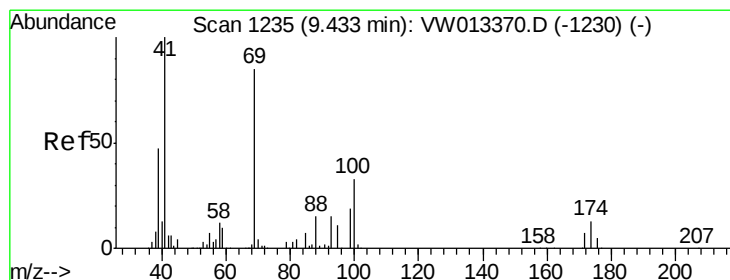
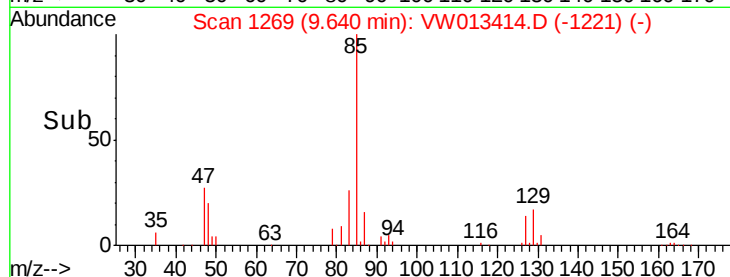
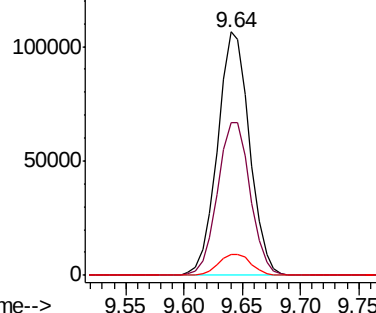
#47
Bromodichloromethane
Concen: 52.156 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tgt Ion: 83 Resp: 203424
Ion Ratio Lower Upper
83 100
85 62.5 49.4 74.2
127 8.4 6.5 9.7

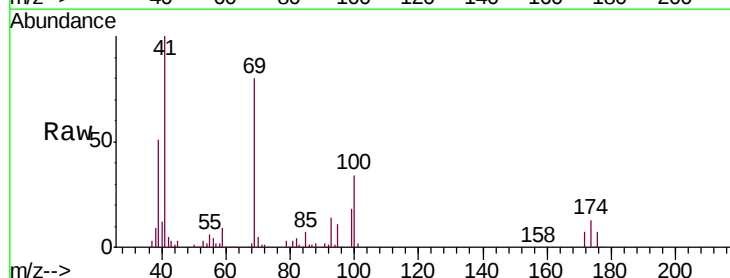


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

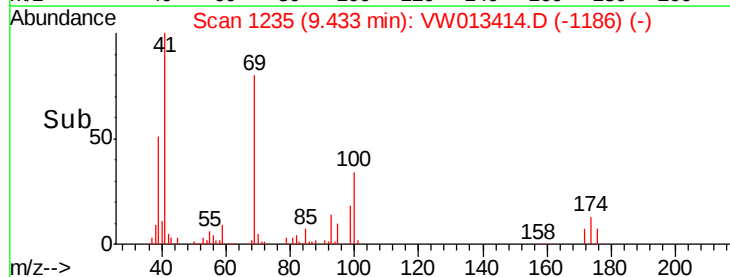
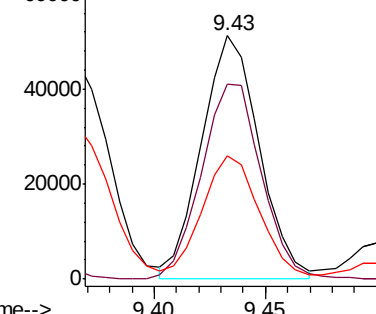


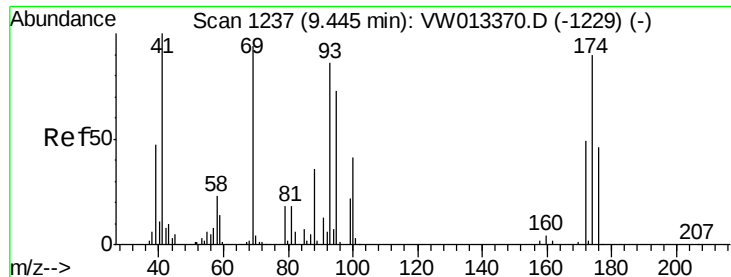
#48
Methyl methacrylate
Concen: 49.154 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion: 41 Resp: 91814
Ion Ratio Lower Upper
41 100
69 84.0 69.7 104.5
39 48.0 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: 975.928 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

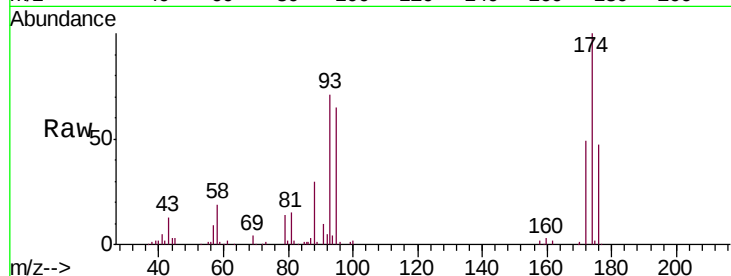
Tgt Ion: 88 Resp: 23857

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

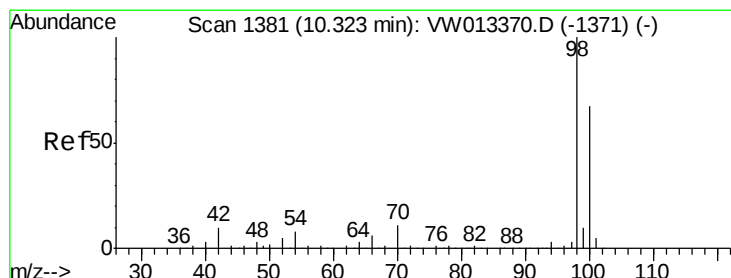
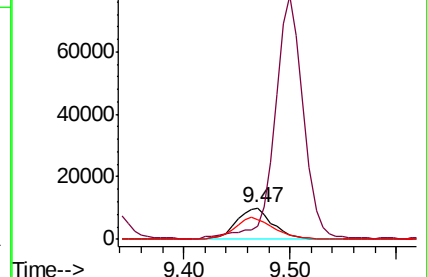
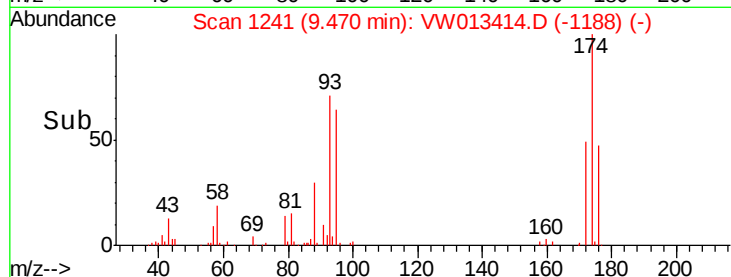
58 75.9 65.4 98.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.118 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013414.D

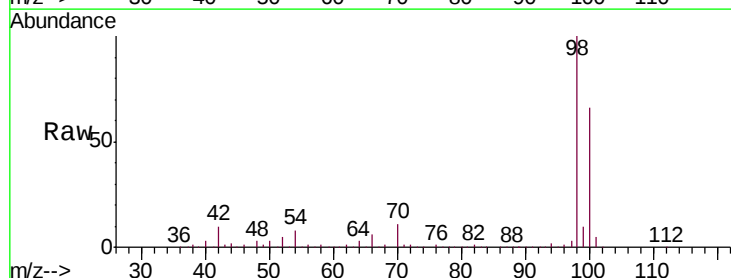
Acq: 03 Oct 2019 10:32

Tgt Ion: 98 Resp: 582815

Ion Ratio Lower Upper

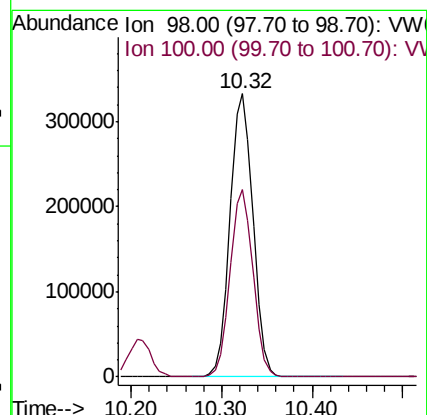
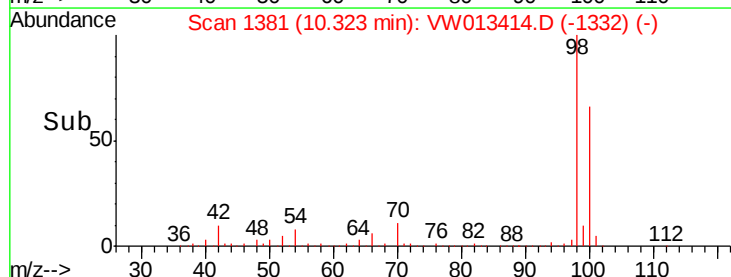
98 100

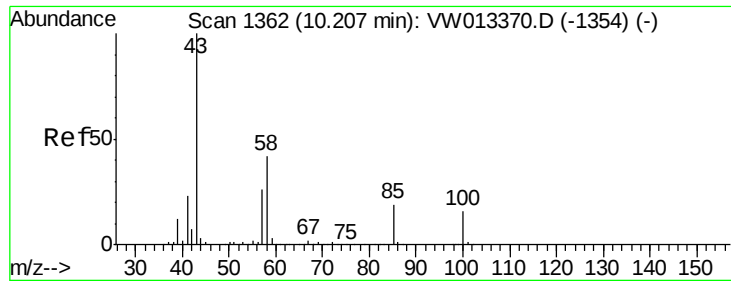
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

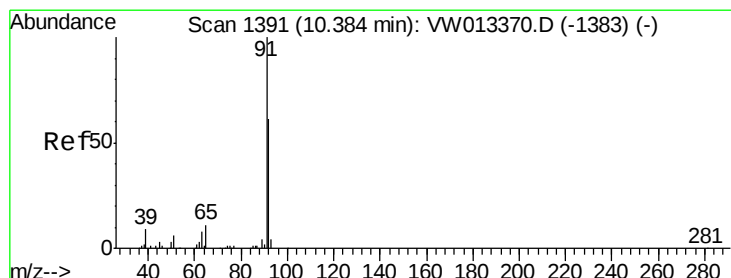
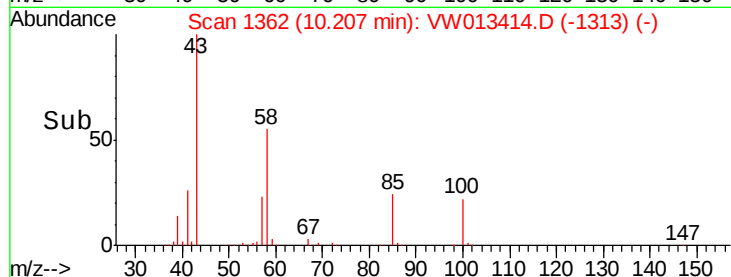
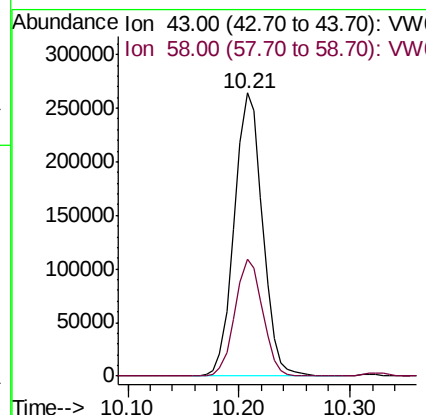
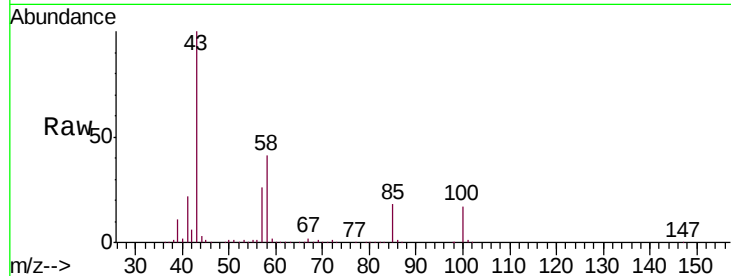




#51
 4-Methyl-2-Pentanone
 Concen: 227.242 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

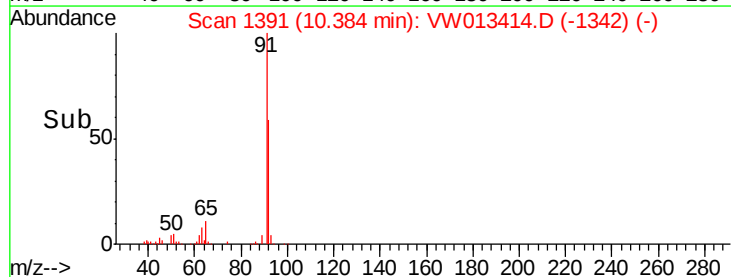
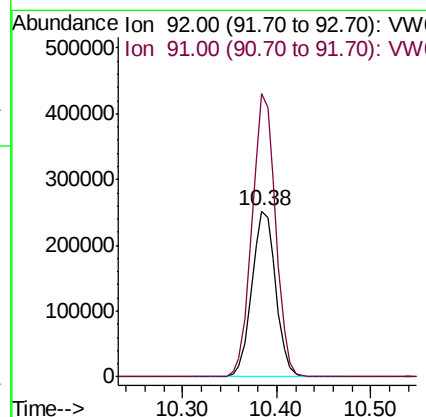
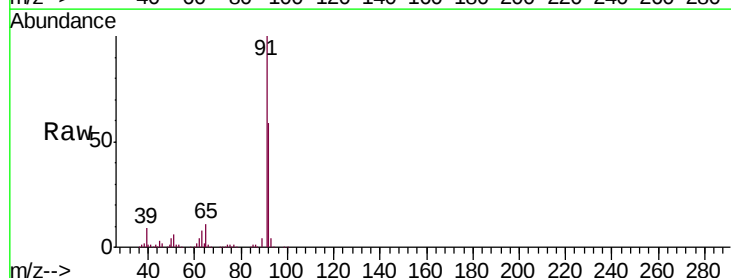
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

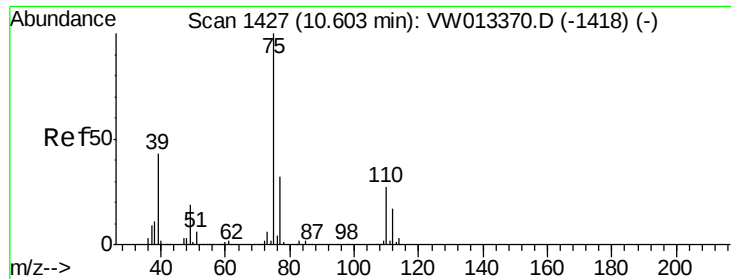
Tgt Ion: 43 Resp: 464135
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.7 47.5



#52
 Toluene
 Concen: 52.283 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 92 Resp: 446765
 Ion Ratio Lower Upper
 92 100
 91 168.8 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.464 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampled :

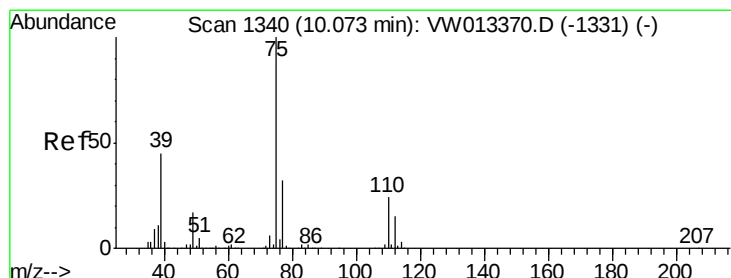
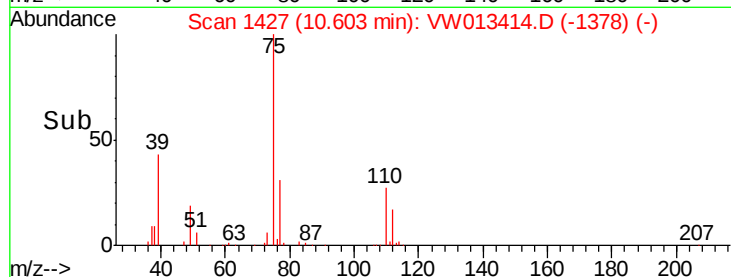
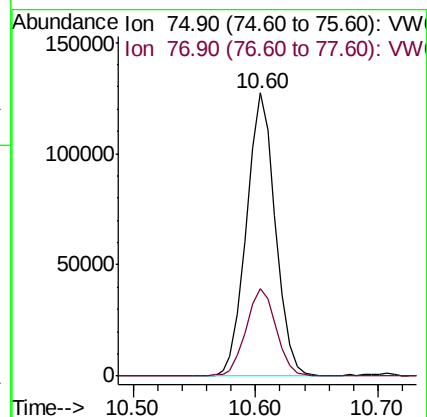
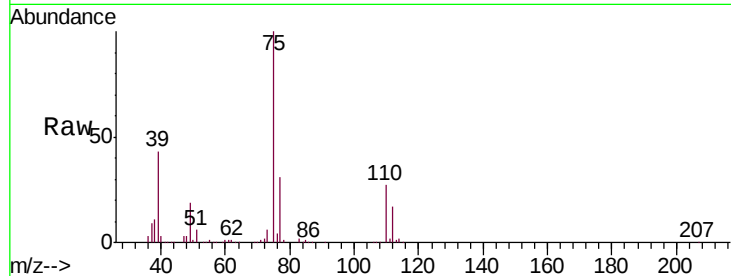
VW1003SBS01

Tgt Ion: 75 Resp: 208785

Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.408 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

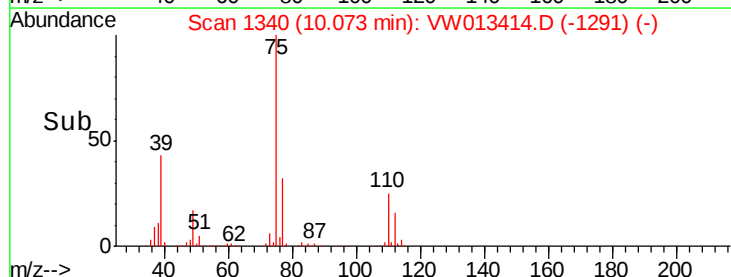
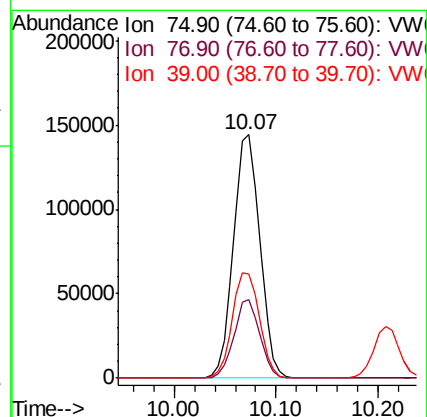
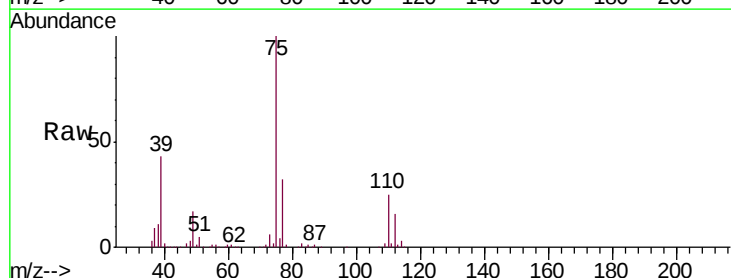
Tgt Ion: 75 Resp: 257784

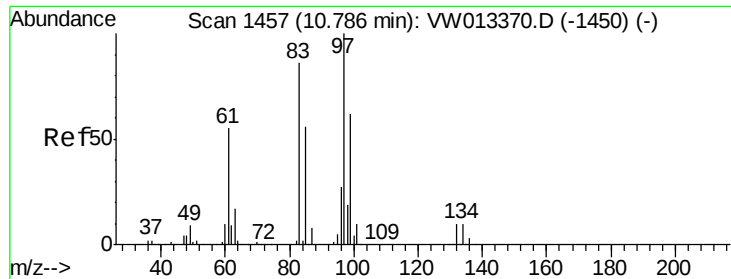
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 43.0 36.6 55.0

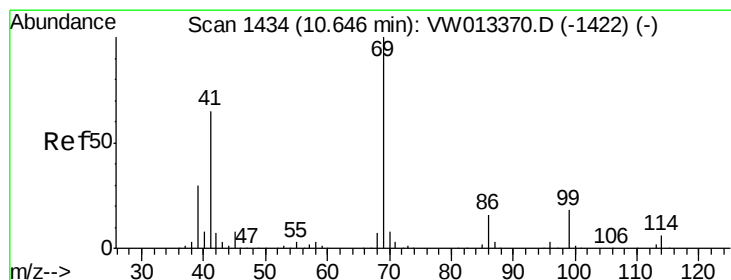
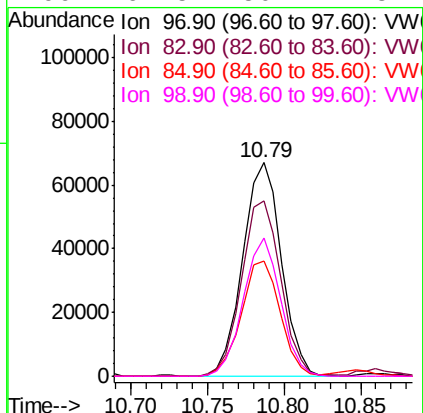
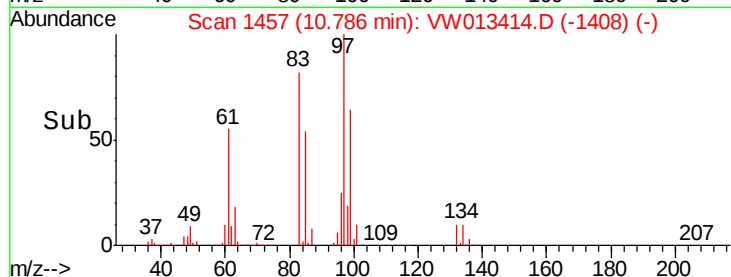
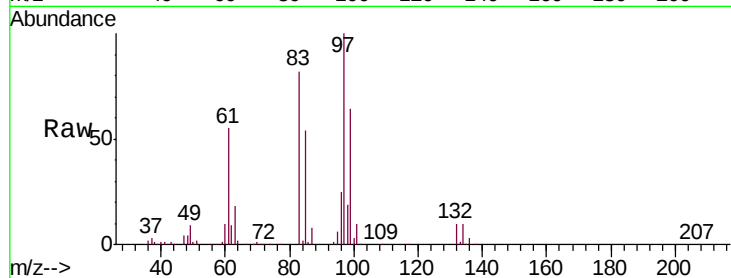




#55
 1,1,2-Trichloroethane
 Concen: 49.778 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

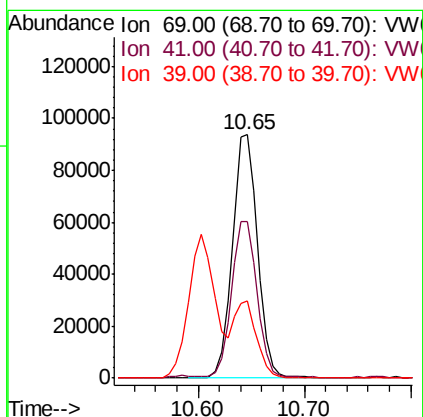
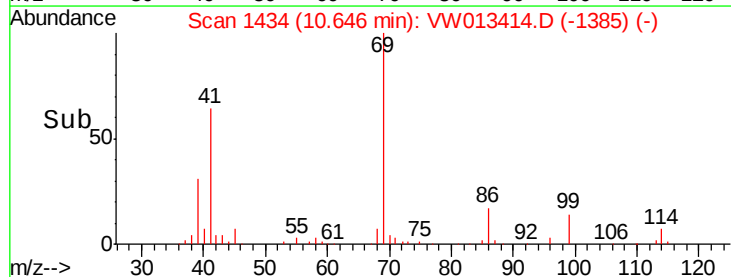
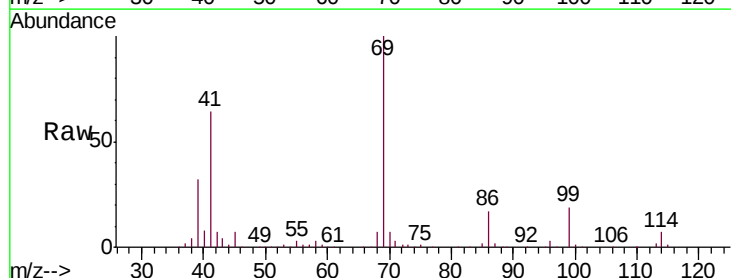
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

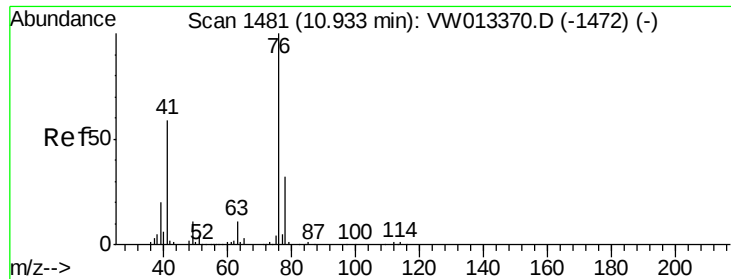
Tgt Ion:	97	Resp:	117650
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.6	101.4
85	54.2	41.9	62.9
99	64.5	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 48.958 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion:	69	Resp:	155750
Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.9	80.9
39	28.0	23.8	35.6

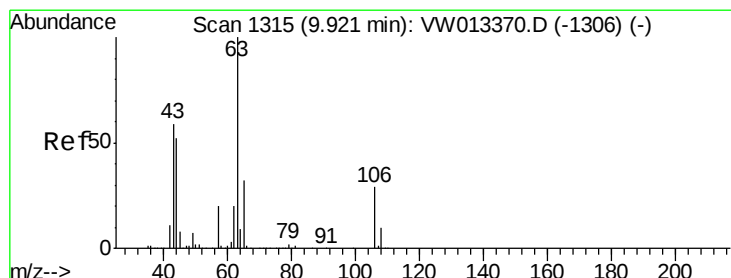
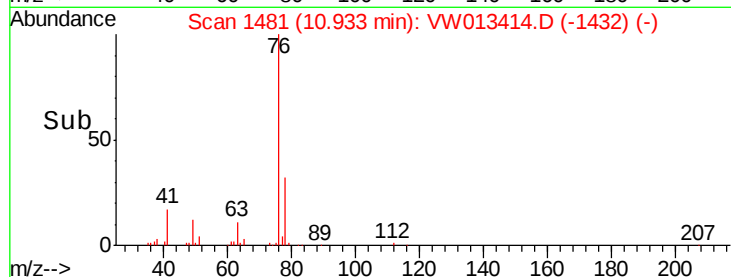
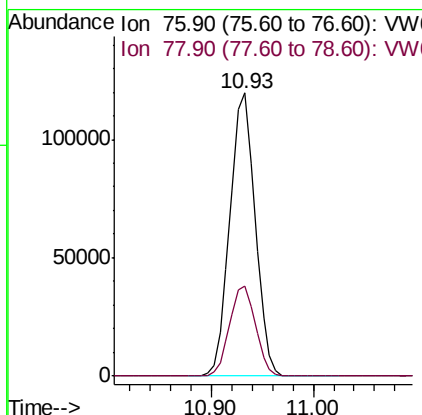
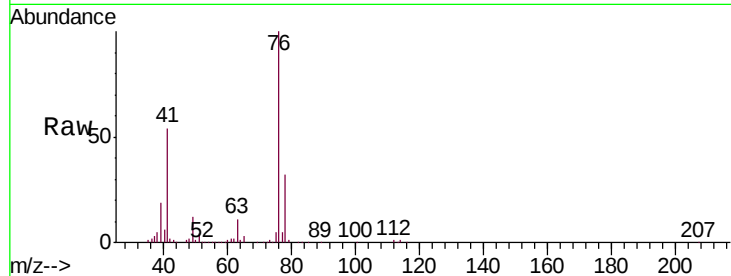




#57
 1,3-Dichloropropane
 Concen: 49.892 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

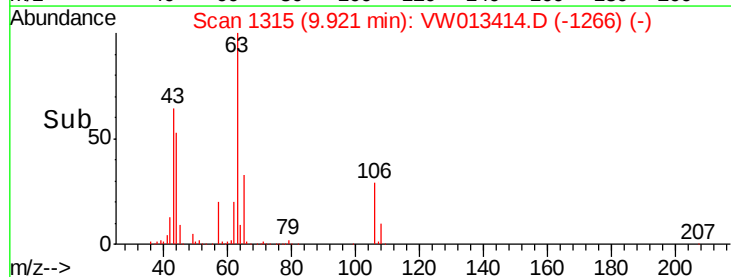
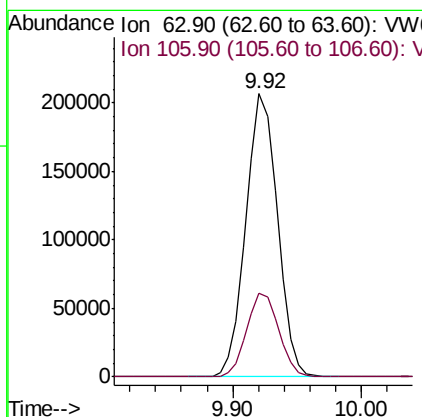
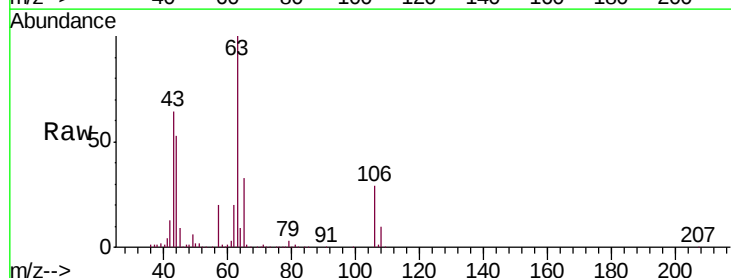
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

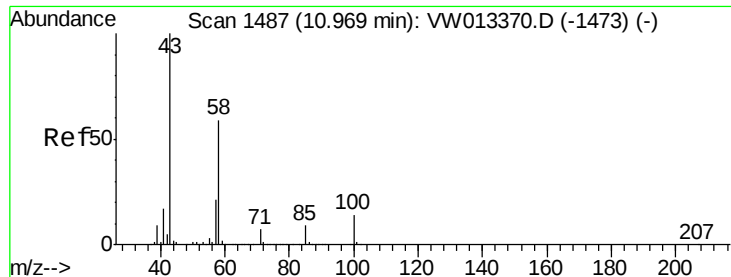
Tgt Ion: 76 Resp: 204999
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.904 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 63 Resp: 350096
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.4 35.0

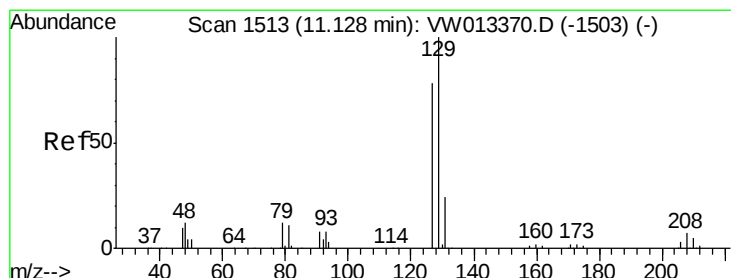
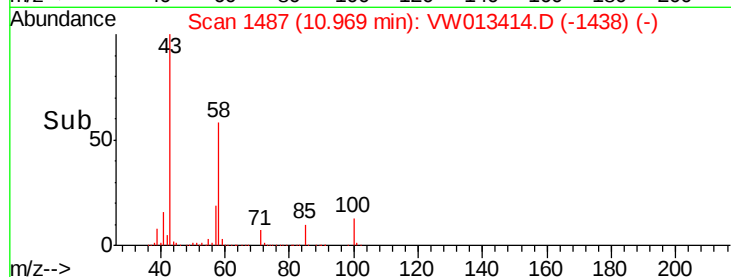
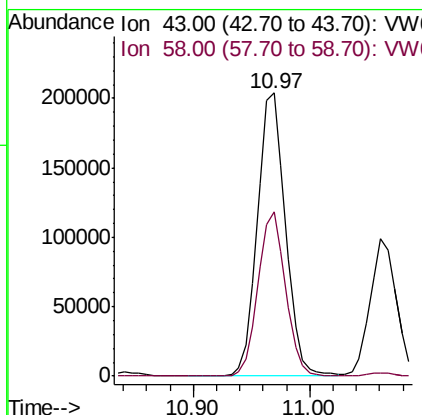
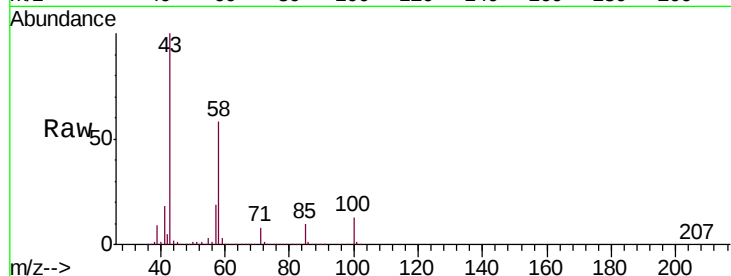




#59
2-Hexanone
Concen: 241.051 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

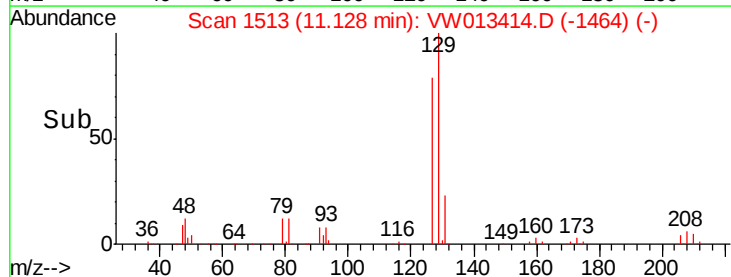
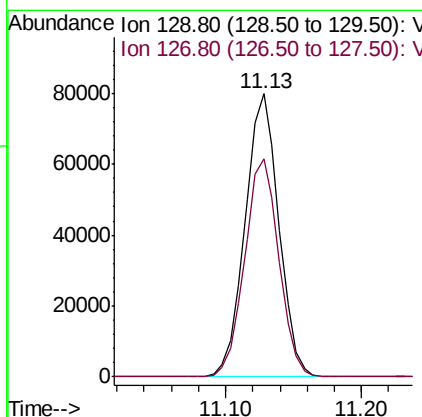
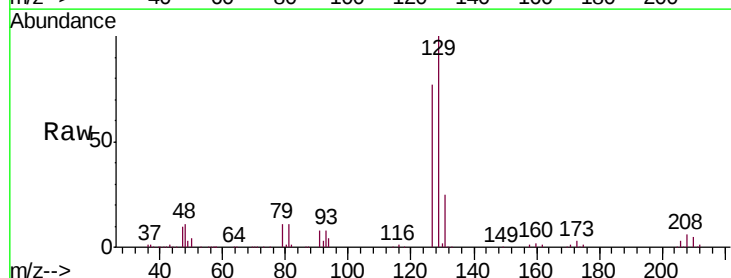
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

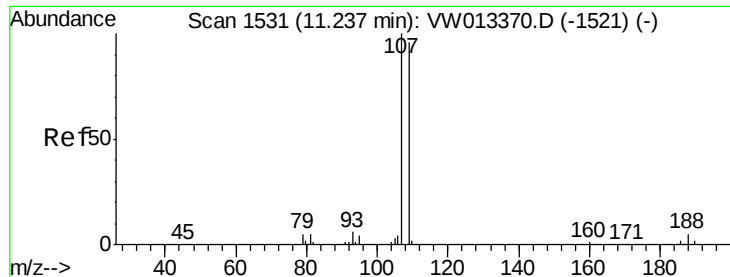
Tgt Ion: 43 Resp: 341255
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.2



#60
Dibromochloromethane
Concen: 51.249 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion: 129 Resp: 138573
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.4

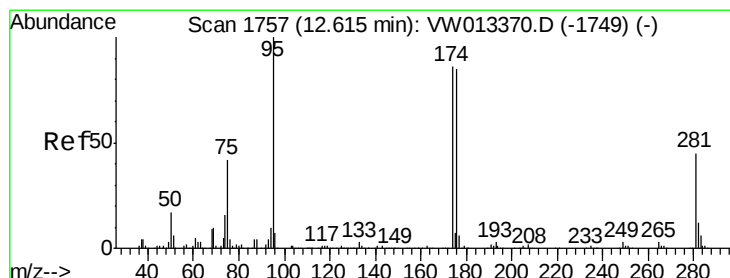
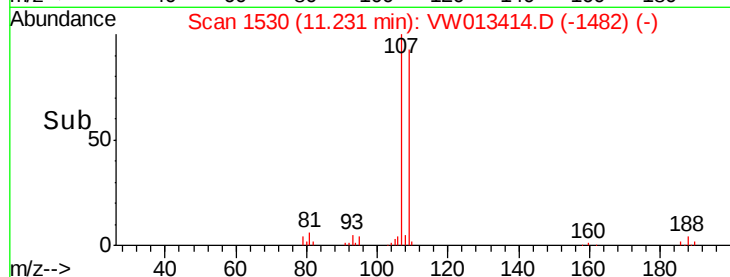
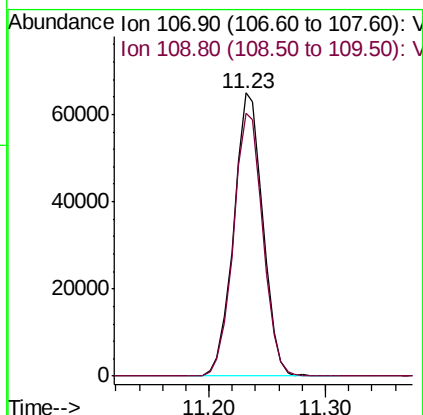
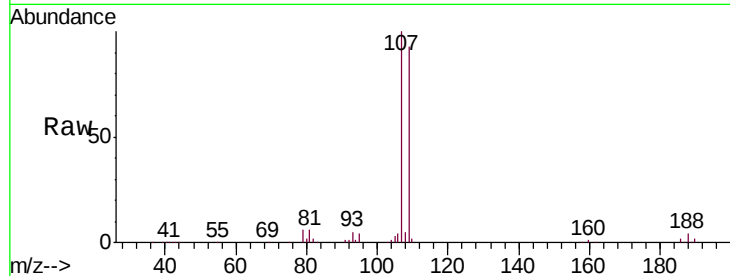




#61
 1,2-Dibromoethane
 Concen: 49.415 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

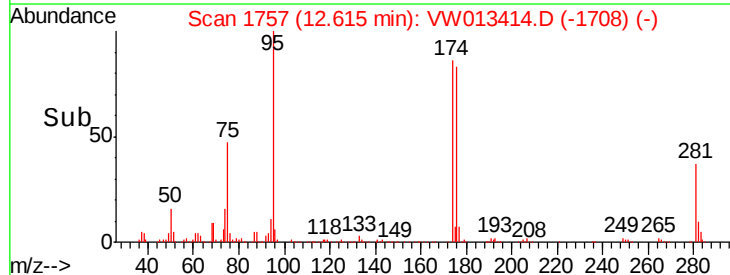
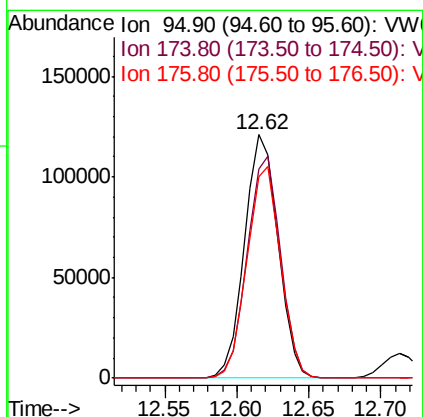
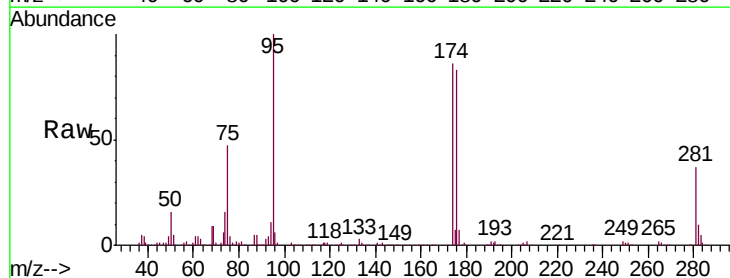
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

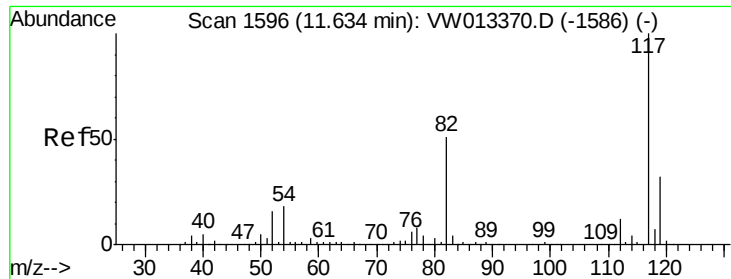
Tgt Ion: 107 Resp: 112858
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.101 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 95 Resp: 194561
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 178.4
 176 86.8 0.0 172.2

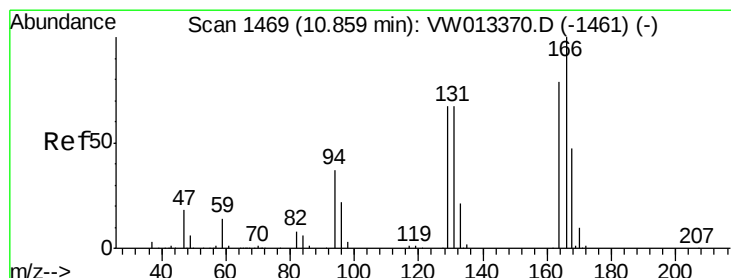
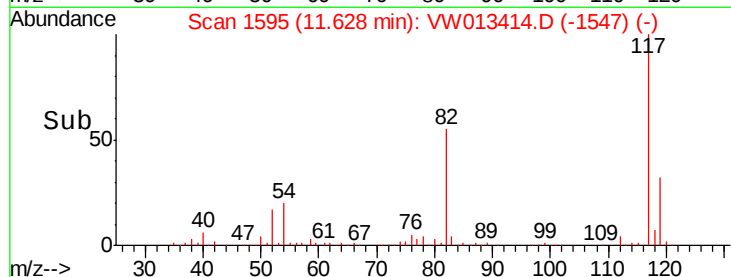
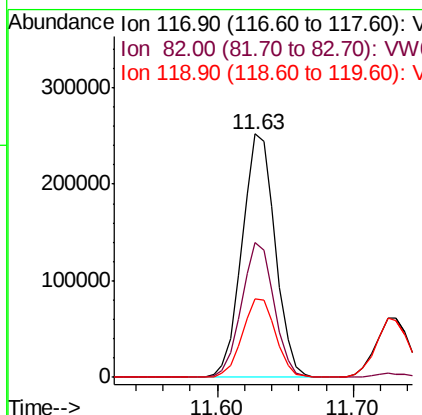
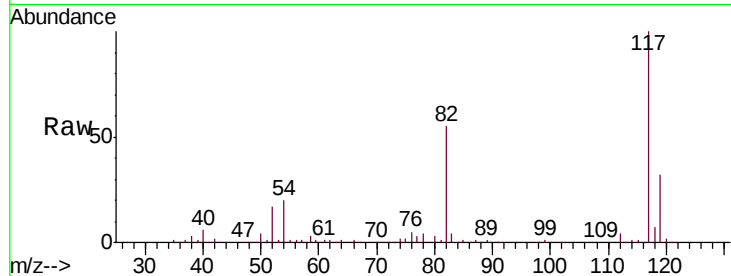




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

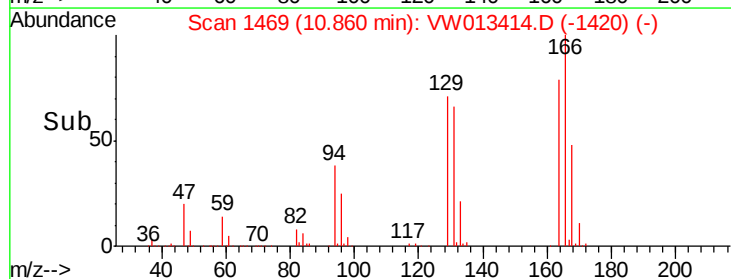
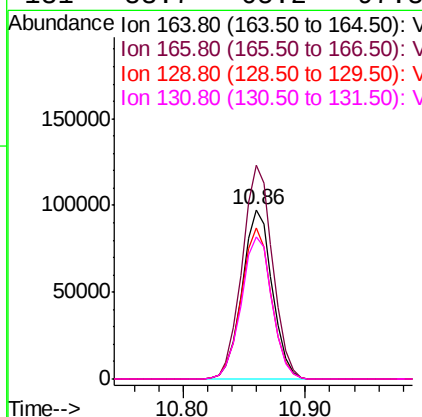
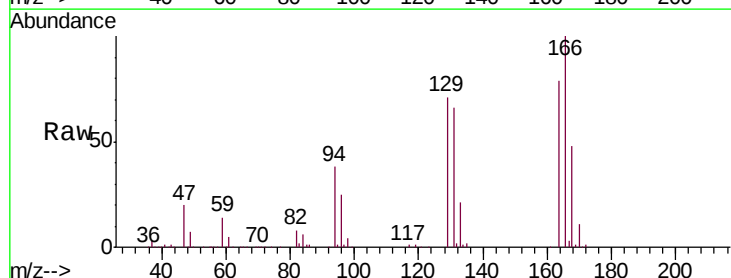
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

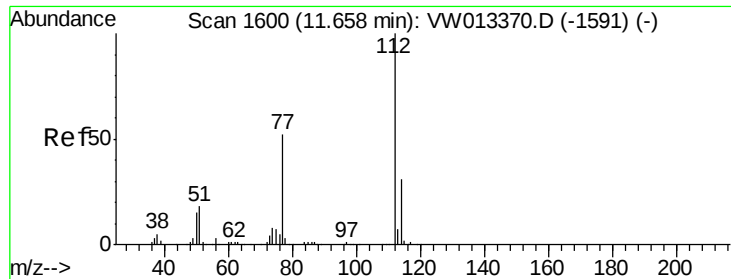
Tgt Ion:117 Resp: 428126
Ion Ratio Lower Upper
117 100
82 55.4 45.9 68.9
119 32.0 26.2 39.2



#64
Tetrachloroethene
Concen: 50.860 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion:164 Resp: 165659
Ion Ratio Lower Upper
164 100
166 126.0 101.2 151.8
129 89.5 68.8 103.2
131 83.7 65.2 97.8

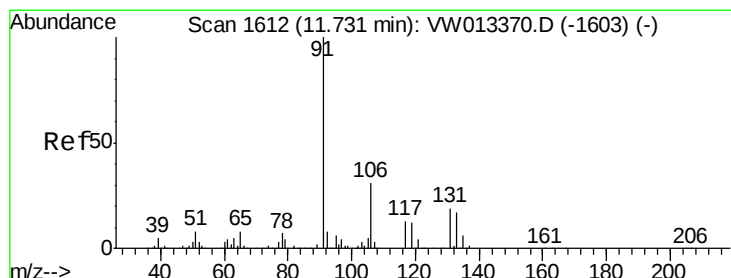
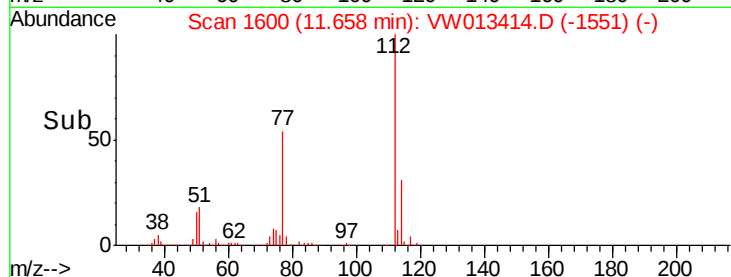
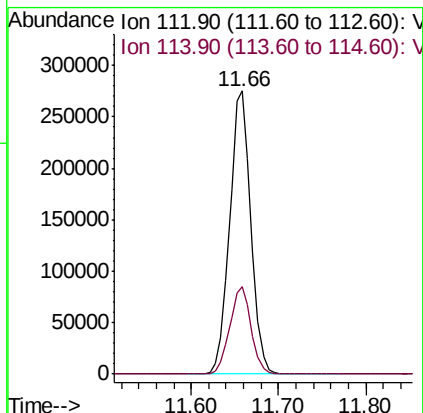
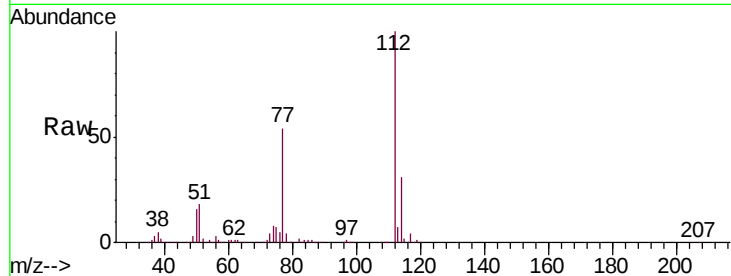




#65
Chlorobenzene
Concen: 52.576 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

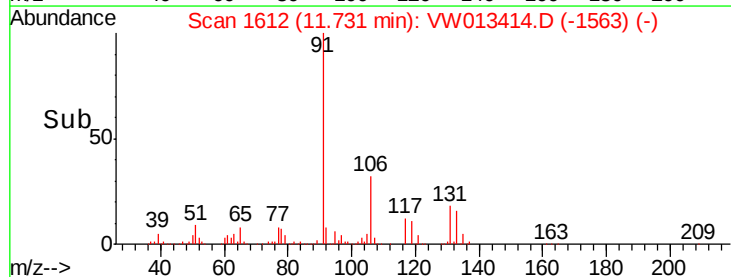
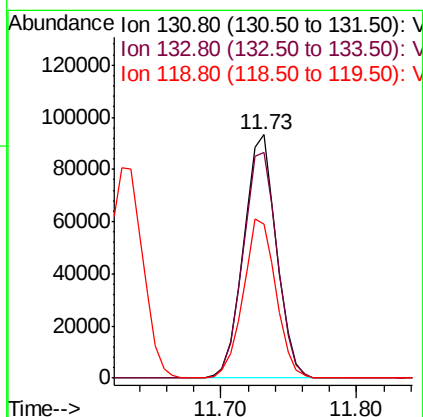
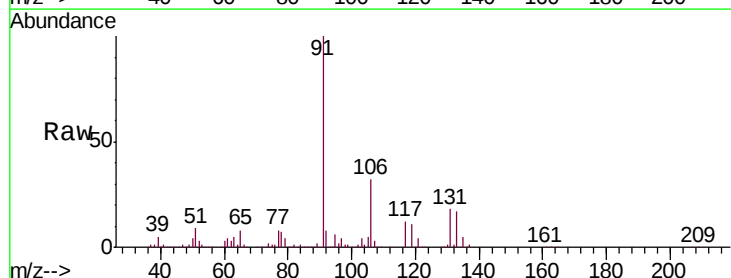
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

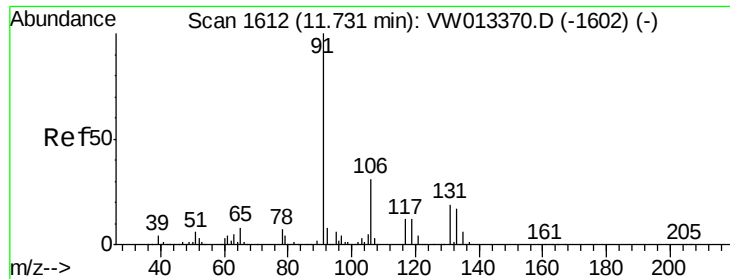
Tgt Ion:112 Resp: 461142
Ion Ratio Lower Upper
112 100
114 31.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.772 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion:131 Resp: 157648
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.6
119 65.4 32.5 97.5

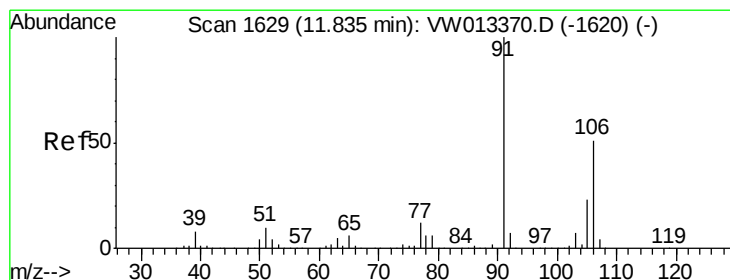
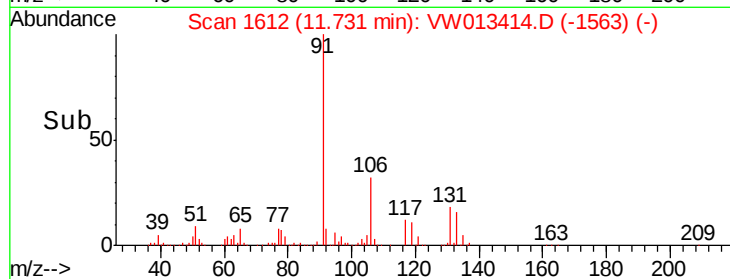
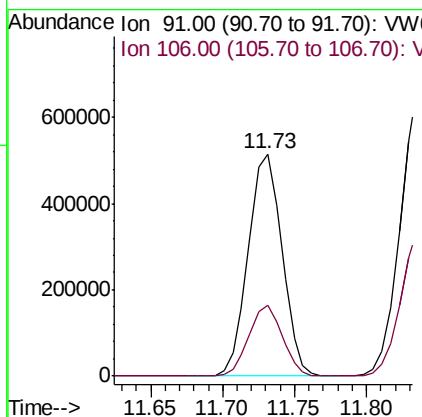
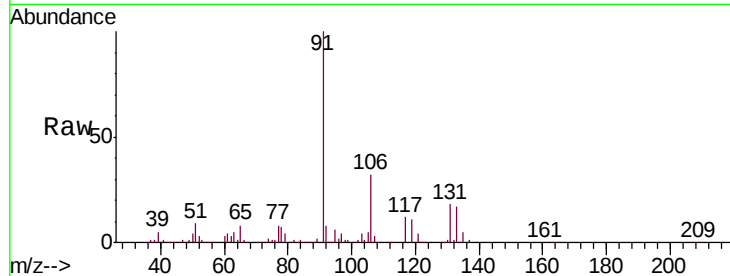




#67
Ethyl Benzene
Concen: 53.302 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

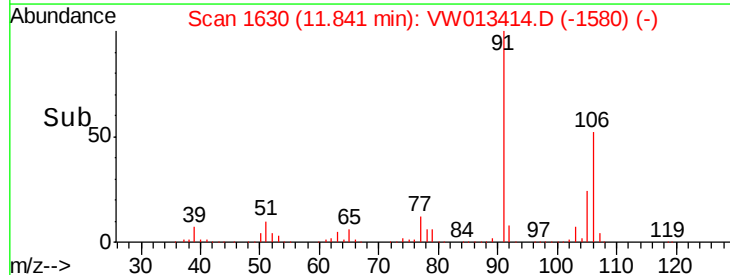
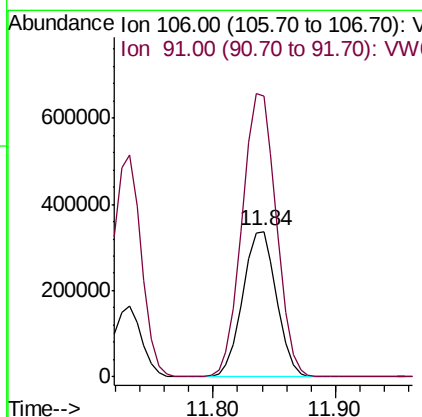
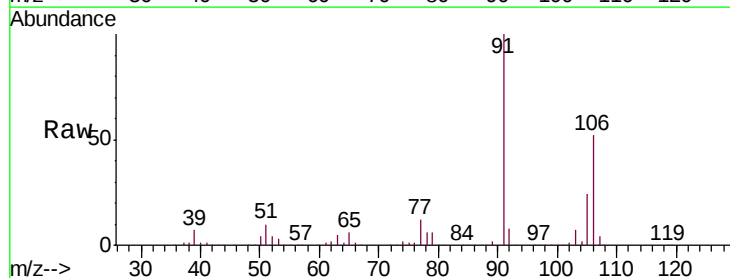
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

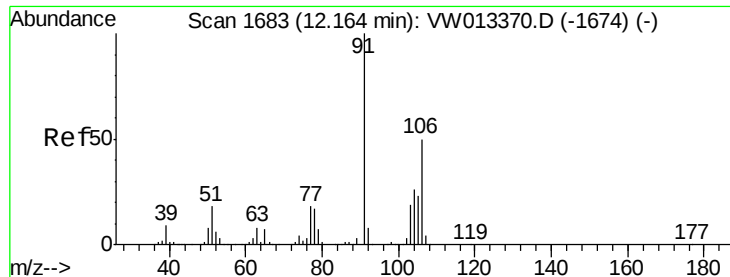
Tgt Ion: 91 Resp: 837894
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3



#68
m/p-Xylenes
Concen: 106.810 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion: 106 Resp: 648086
Ion Ratio Lower Upper
106 100
91 197.0 157.9 236.9

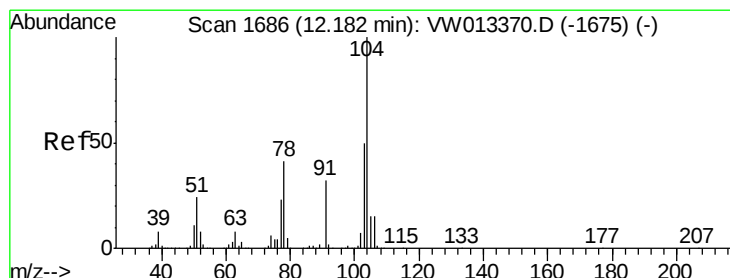
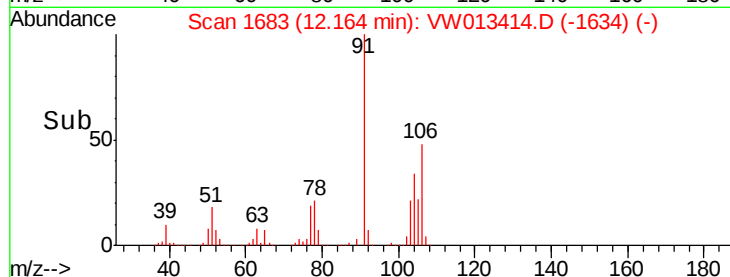
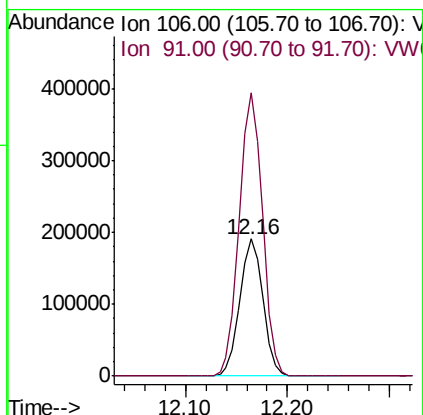
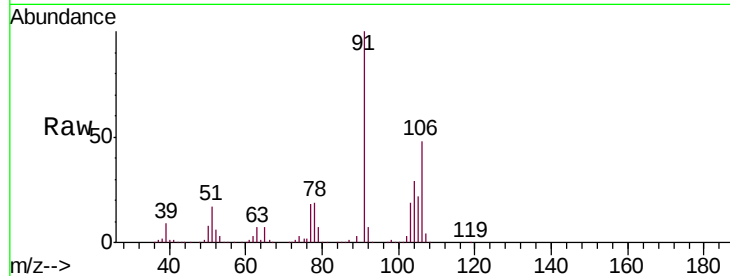




#69
o-Xylene
Concen: 53.338 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

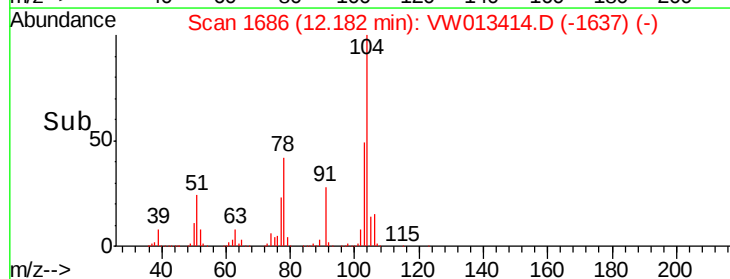
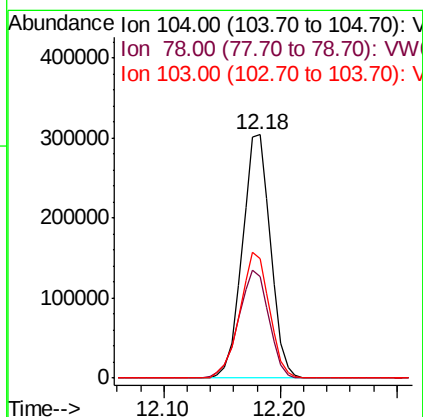
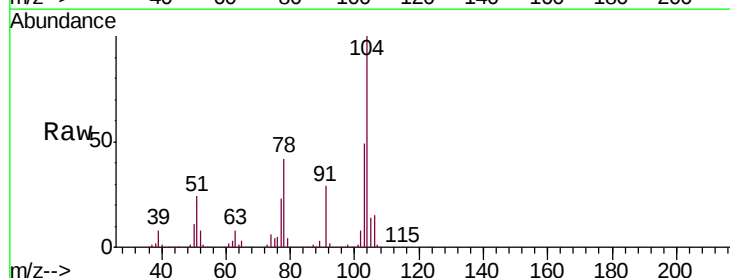
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

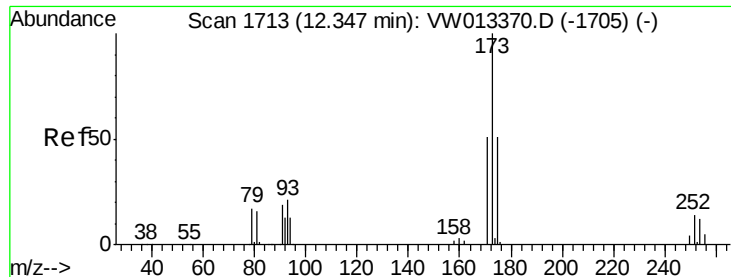
Tgt Ion:106 Resp: 299229
Ion Ratio Lower Upper
106 100
91 207.7 106.5 319.5



#70
Styrene
Concen: 53.413 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion:104 Resp: 512234
Ion Ratio Lower Upper
104 100
78 47.6 38.4 57.6
103 54.3 43.3 64.9





#71

Bromoform

Concen: 51.155 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

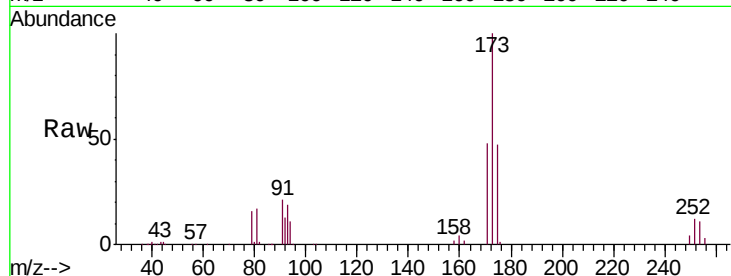
Tgt Ion:173 Resp: 82854

Ion Ratio Lower Upper

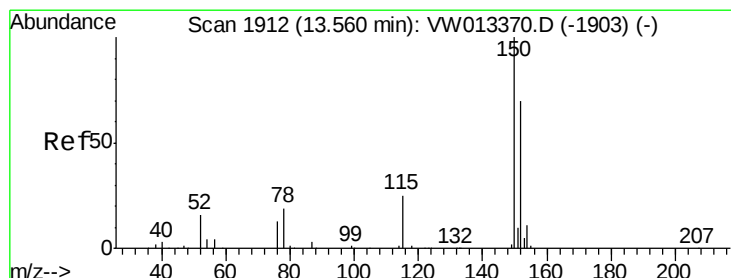
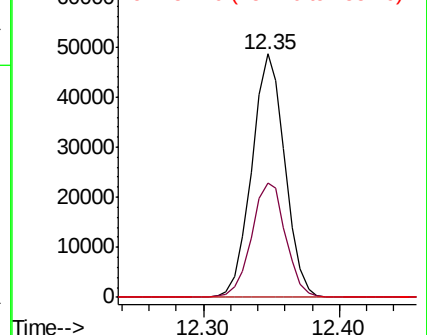
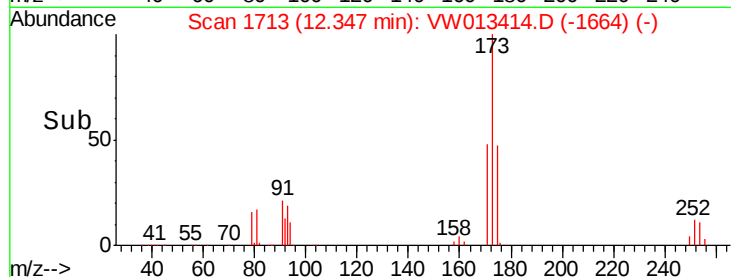
173 100

175 48.3 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: VW013414.D

Acq: 03 Oct 2019 10:32

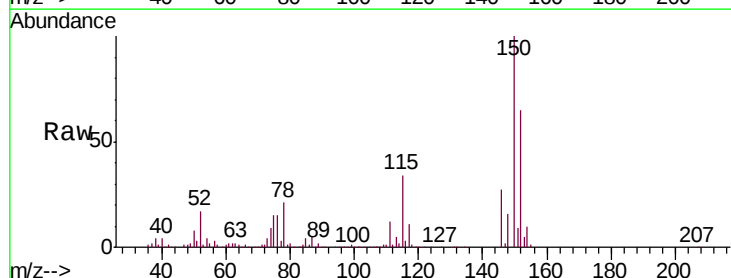
Tgt Ion:152 Resp: 217715

Ion Ratio Lower Upper

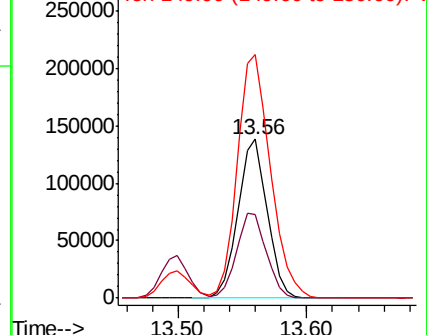
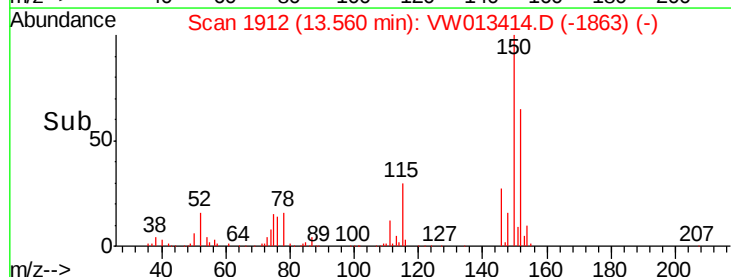
152 100

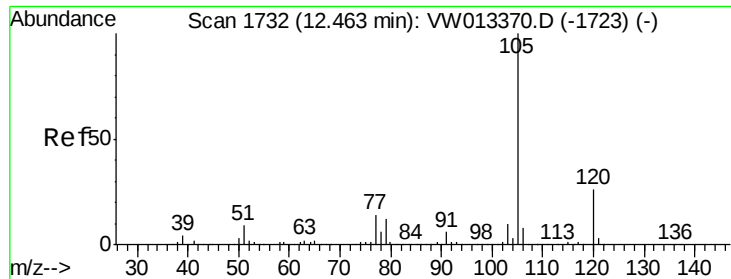
115 54.4 27.3 81.9

150 173.4 0.0 349.0



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





#73

Isopropylbenzene

Concen: 52.817 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

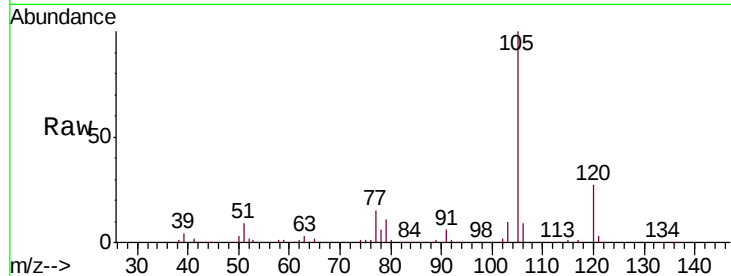
VW1003SBS01

Tgt Ion: 105 Resp: 841125

Ion Ratio Lower Upper

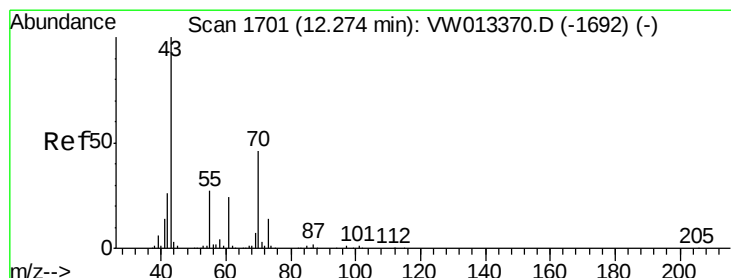
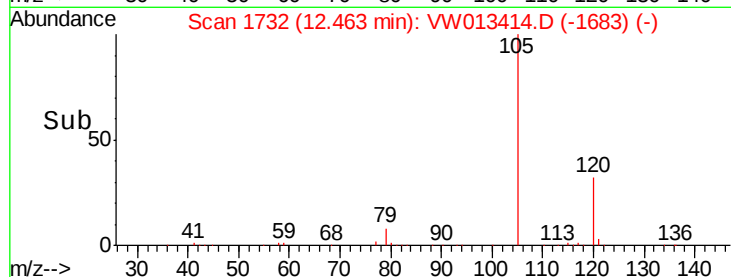
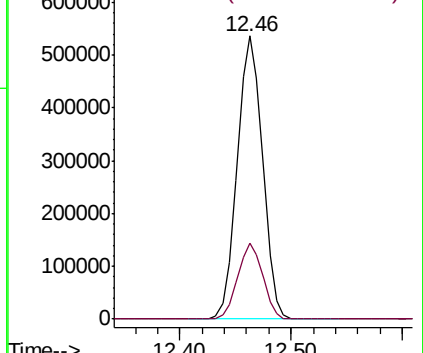
105 100

120 26.7 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: 49.175 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Tgt Ion: 43 Resp: 166665

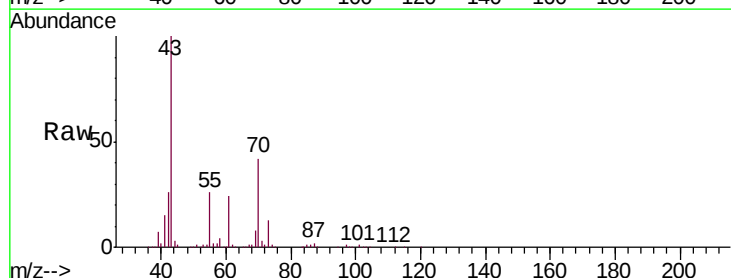
Ion Ratio Lower Upper

43 100

70 45.5 35.1 52.7

55 25.8 19.9 29.9

61 25.1 19.5 29.3

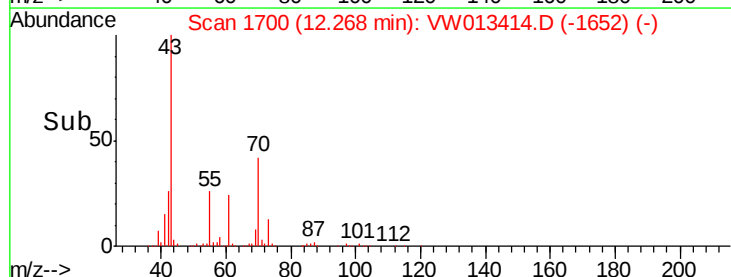
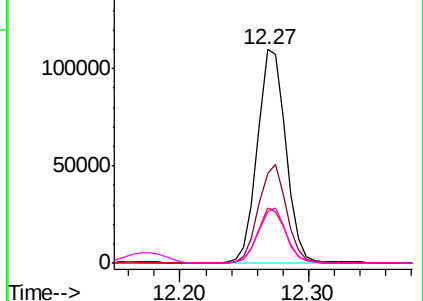


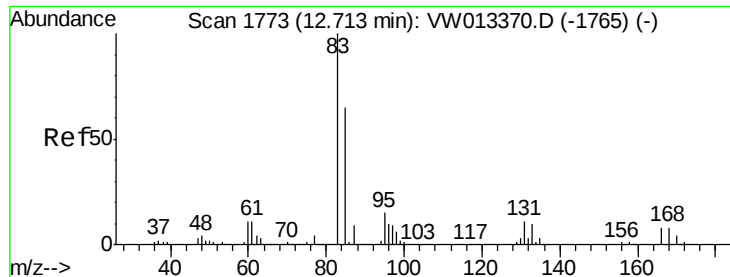
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 47.294 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampled :

VW1003SBS01

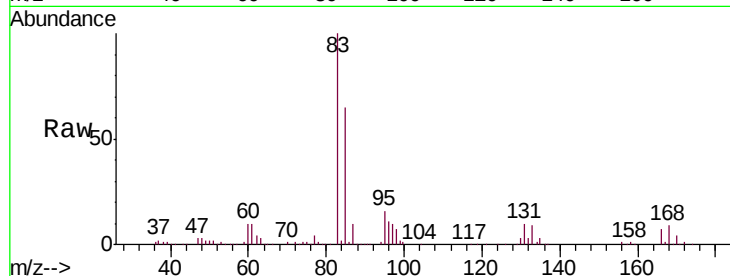
Tgt Ion: 83 Resp: 127481

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

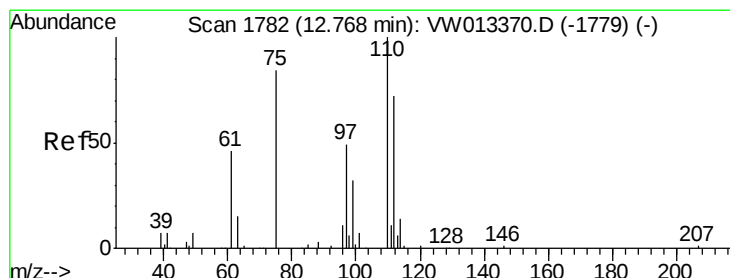
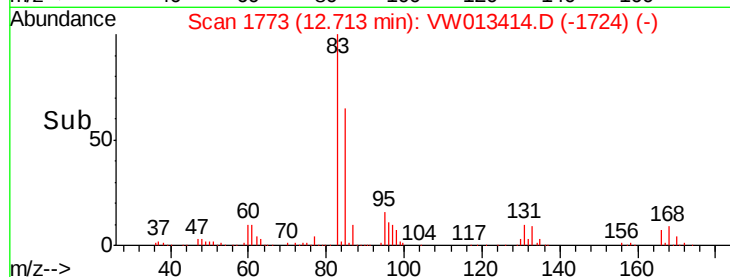
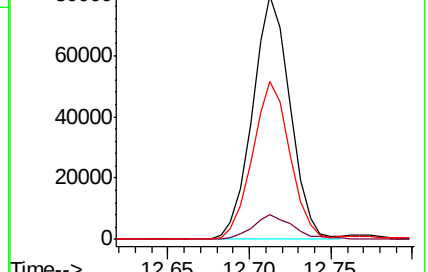
85 64.3 31.9 95.9



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



#76

1,2,3-Trichloropropane

Concen: 84.596 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013414.D

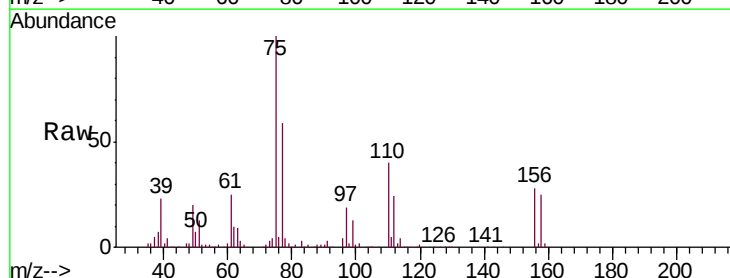
Acq: 03 Oct 2019 10:32

Tgt Ion: 75 Resp: 163692

Ion Ratio Lower Upper

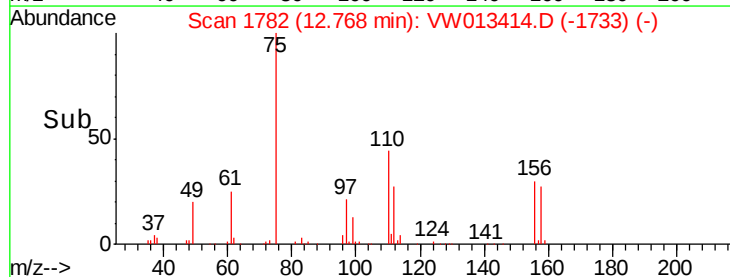
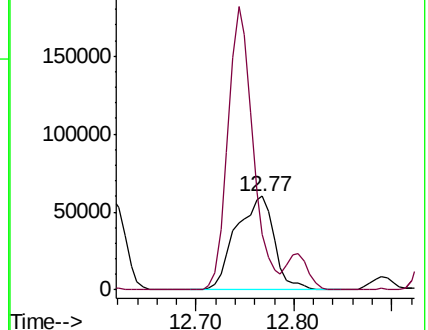
75 100

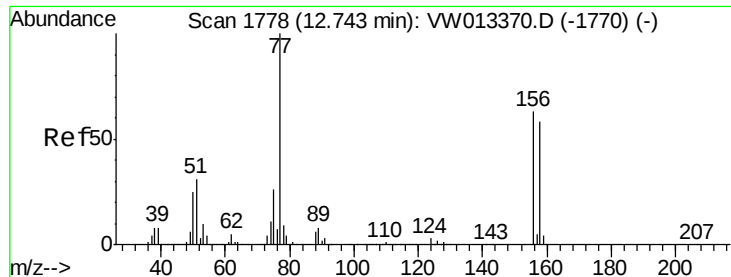
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.654 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

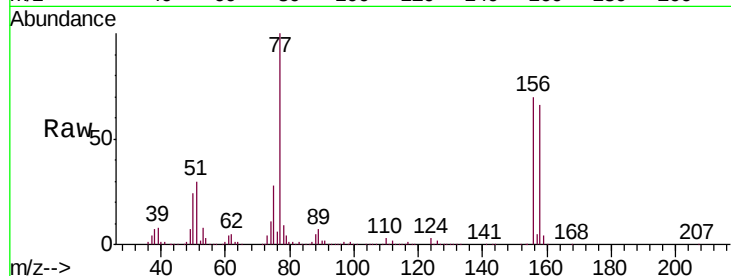
Tgt Ion:156 Resp: 193701

Ion Ratio Lower Upper

156 100

77 168.6 85.7 257.1

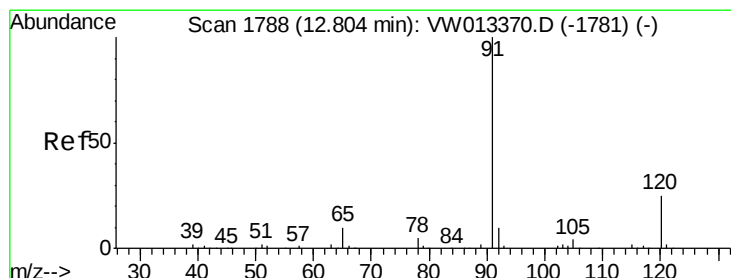
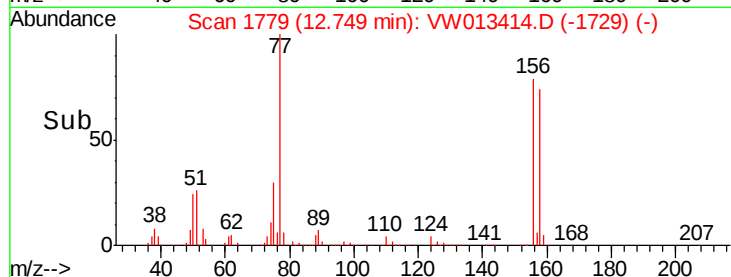
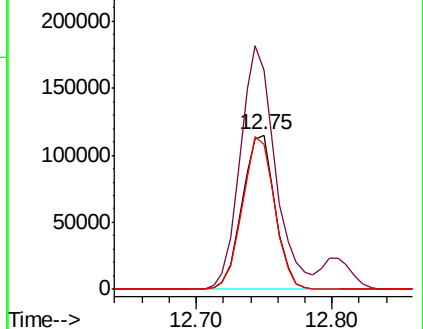
158 97.0 48.1 144.4



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: 53.387 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013414.D

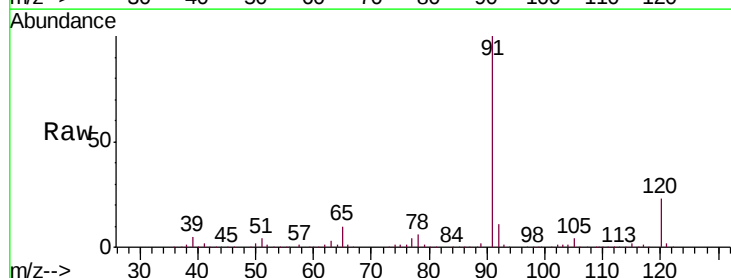
Acq: 03 Oct 2019 10:32

Tgt Ion: 91 Resp: 977975

Ion Ratio Lower Upper

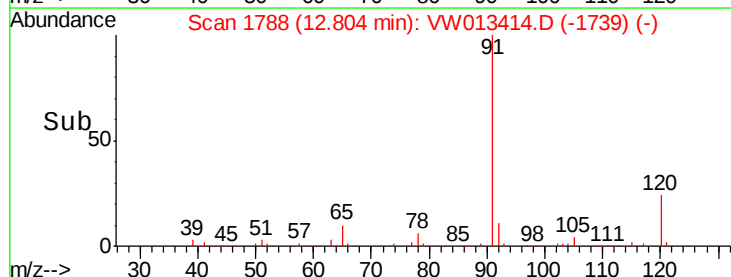
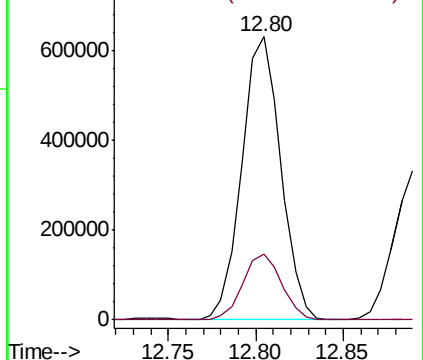
91 100

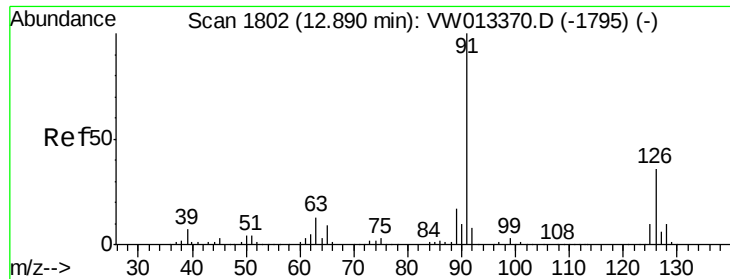
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.026 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

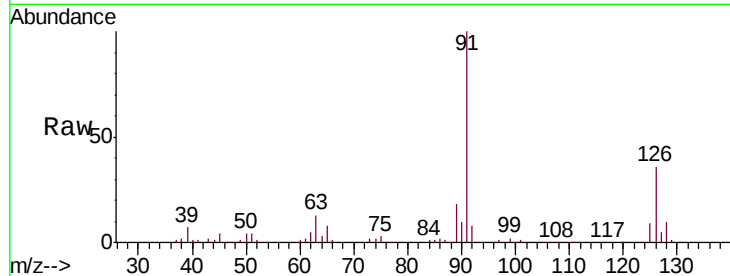
VW1003SBS01

Tgt Ion: 91 Resp: 539525

Ion Ratio Lower Upper

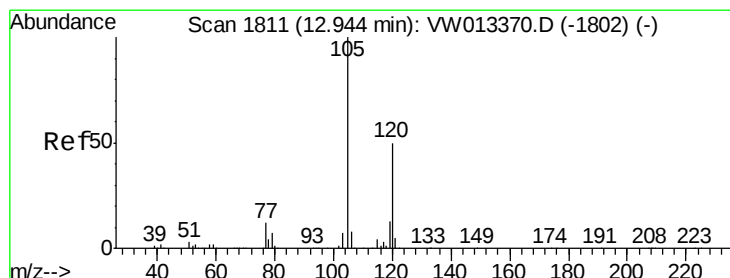
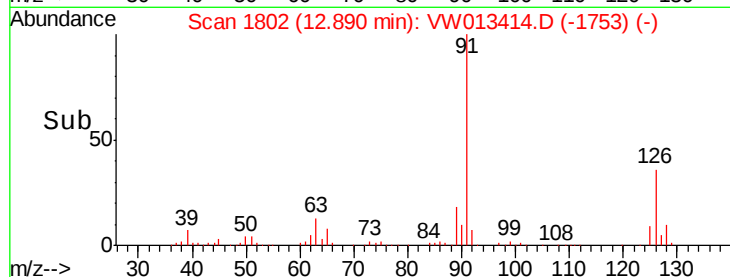
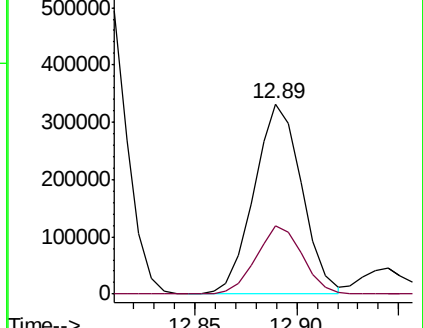
91 100

126 35.1 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.706 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013414.D

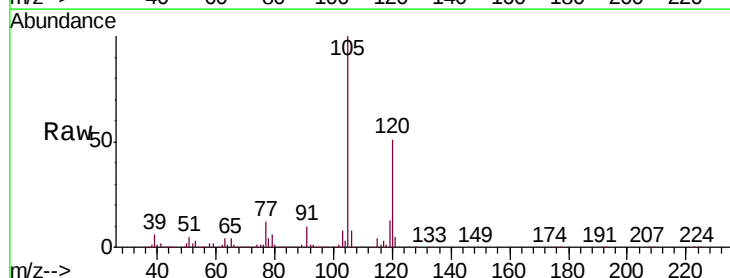
Acq: 03 Oct 2019 10:32

Tgt Ion: 105 Resp: 697247

Ion Ratio Lower Upper

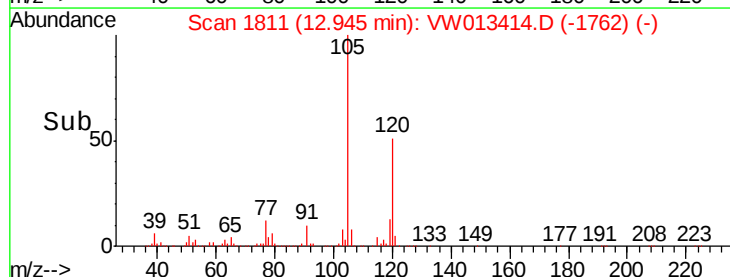
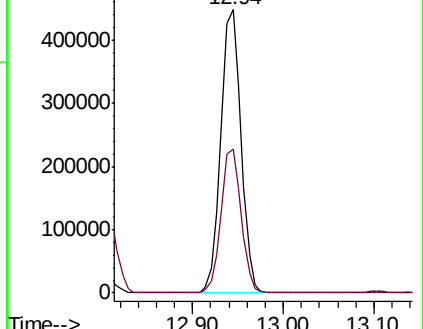
105 100

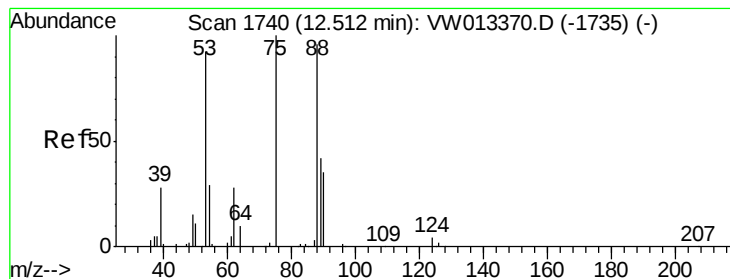
120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.900 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

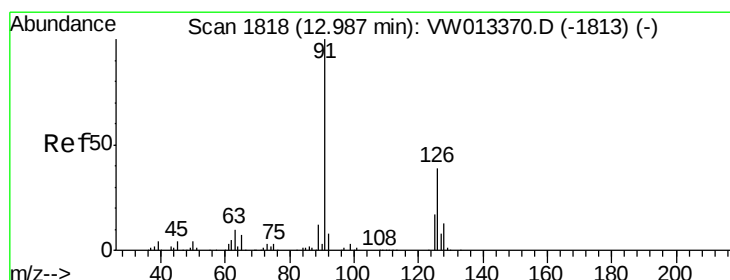
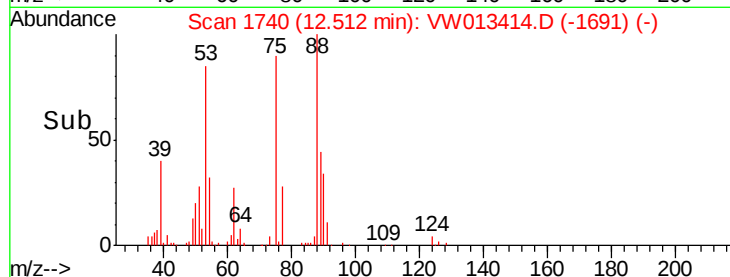
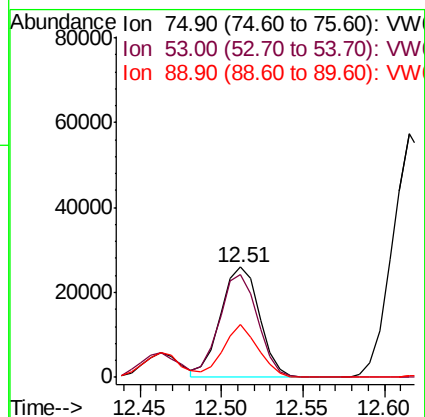
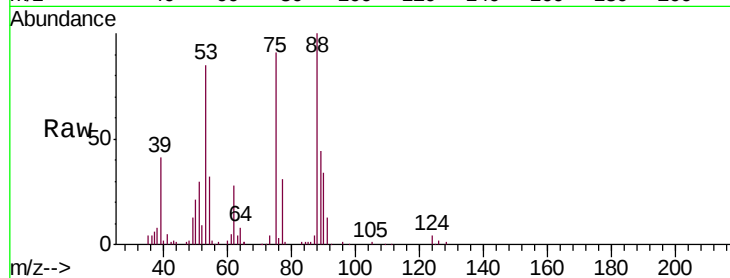
Tgt Ion: 75 Resp: 43411

Ion Ratio Lower Upper

75 100

53 92.5 76.6 114.8

89 42.5 33.5 50.3



#82

4-Chlorotoluene

Concen: 52.840 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013414.D

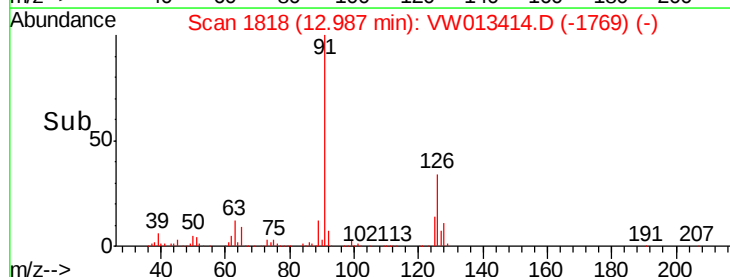
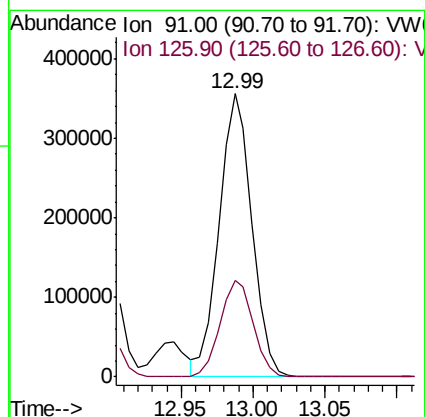
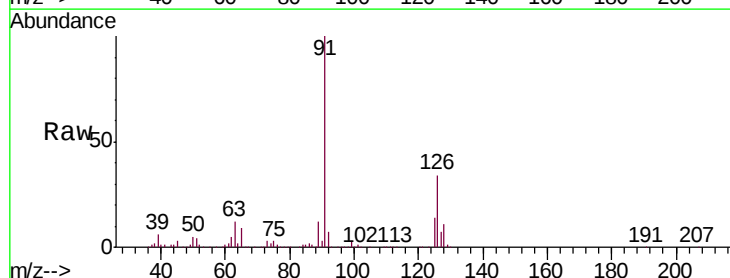
Acq: 03 Oct 2019 10:32

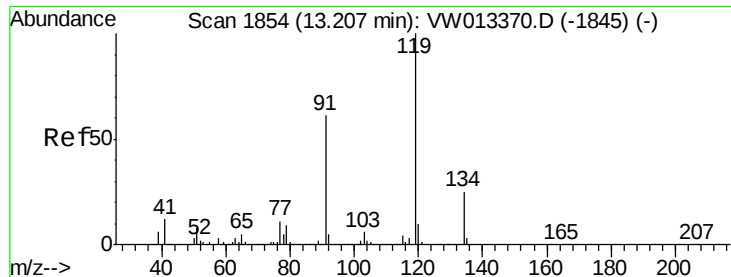
Tgt Ion: 91 Resp: 563182

Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.7

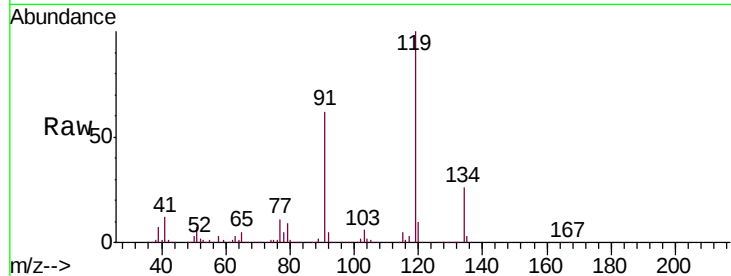




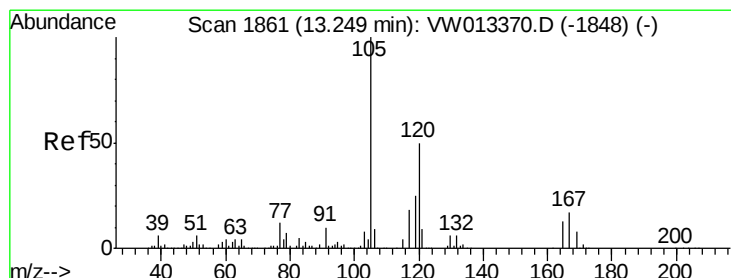
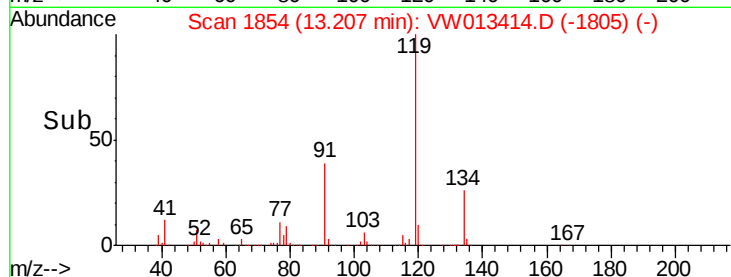
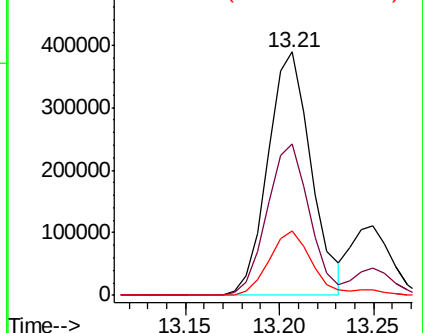
#83
 tert-Butylbenzene
 Concen: 53.730 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Tgt Ion:119 Resp: 620856
 Ion Ratio Lower Upper
 119 100
 91 61.0 30.7 92.1
 134 25.8 12.6 37.6

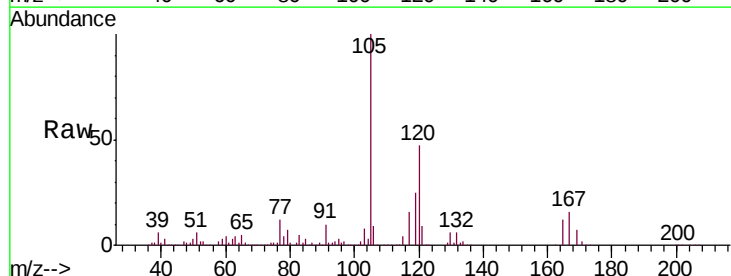


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

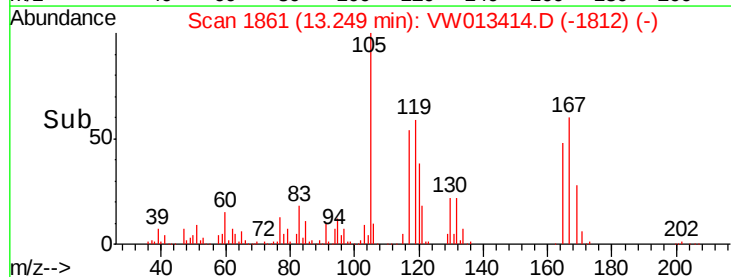
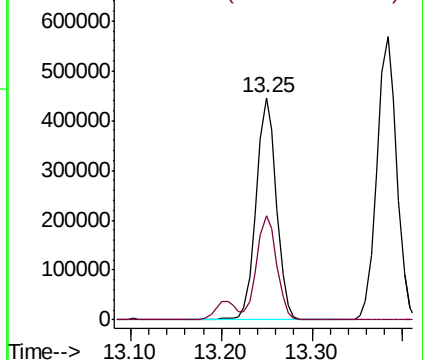


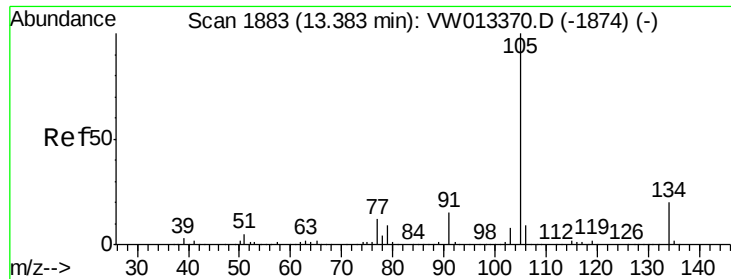
#84
 1,2,4-Trimethylbenzene
 Concen: 52.241 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion:105 Resp: 687029
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.3



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

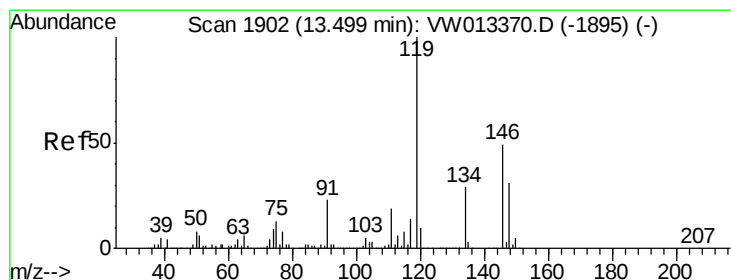
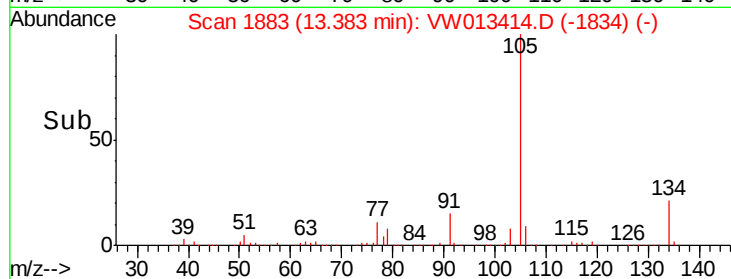
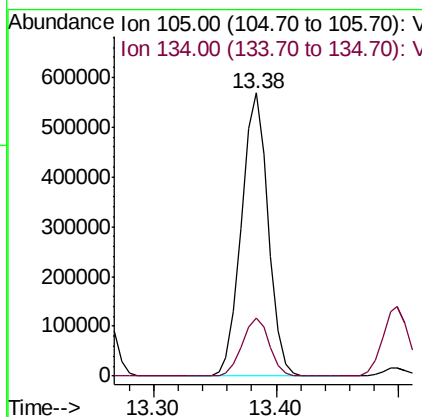
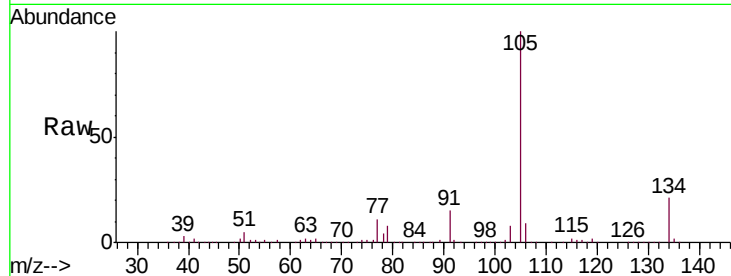




#85
 sec-Butylbenzene
 Concen: 53.844 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

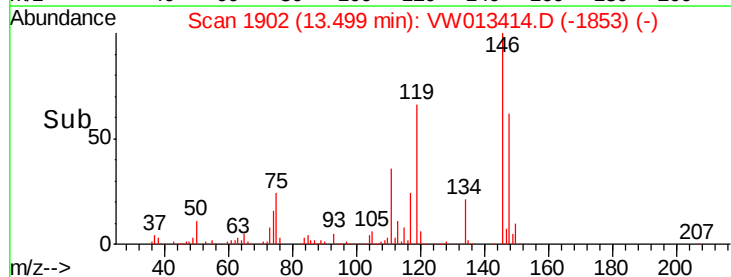
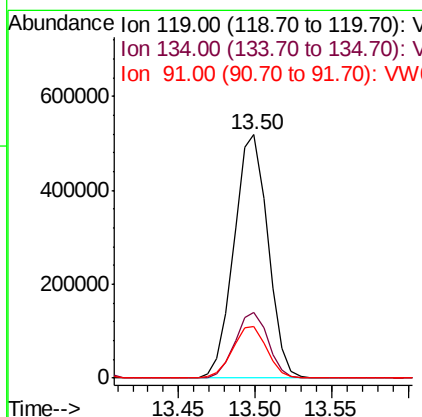
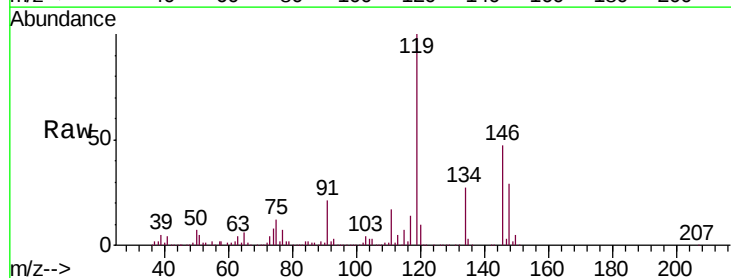
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

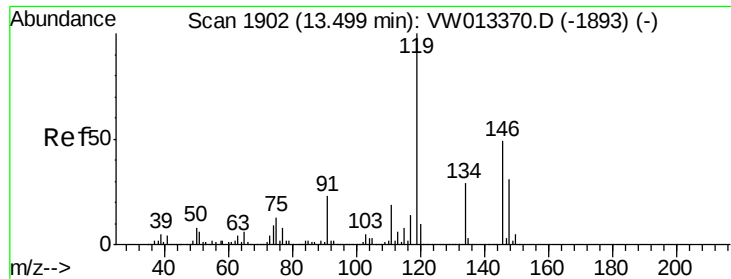
Tgt Ion:105 Resp: 857809
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 53.909 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion:119 Resp: 795934
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.4 10.8 32.4

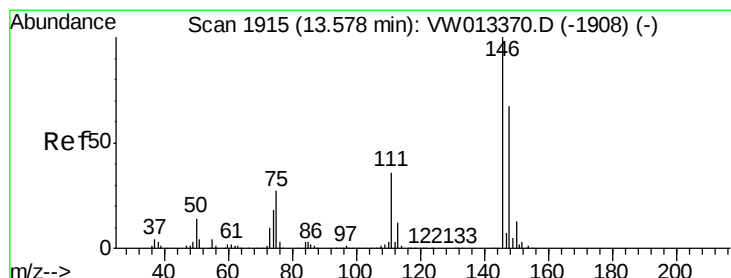
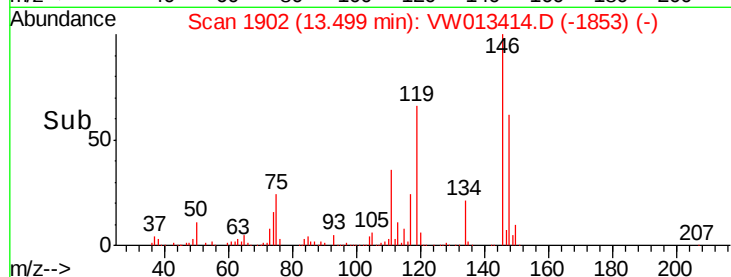
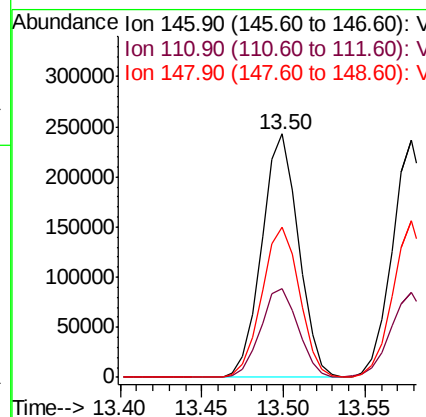
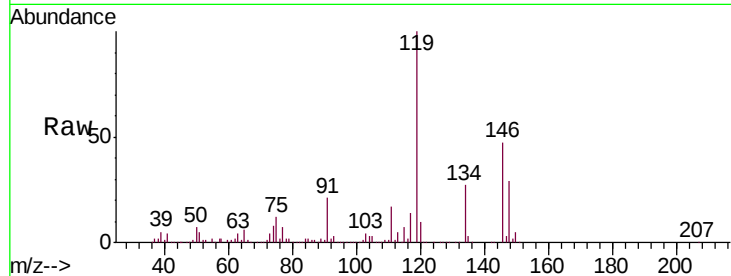




#87
 1,3-Dichlorobenzene
 Concen: 52.770 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

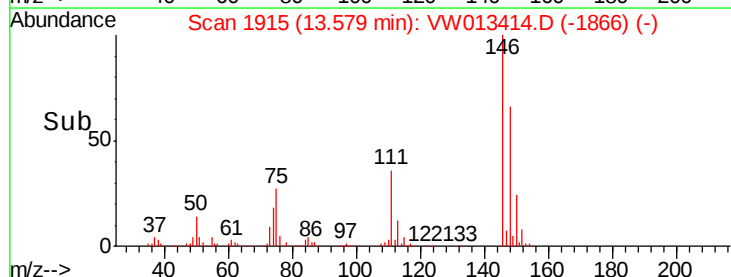
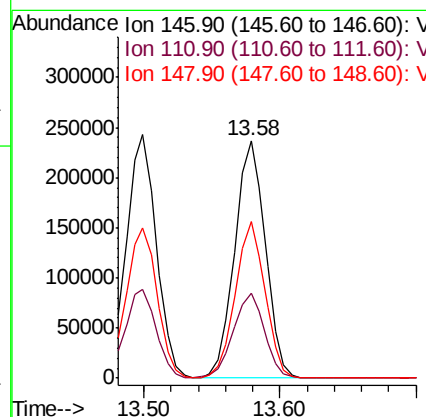
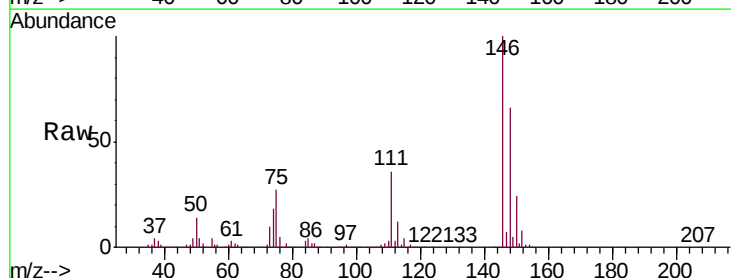
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

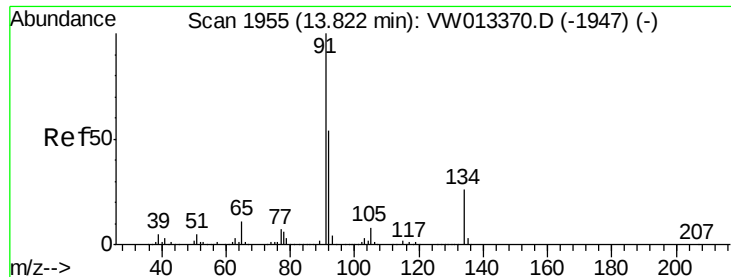
Tgt Ion:146 Resp: 379640
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.9
 148 63.3 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 51.503 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion:146 Resp: 370996
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.4 55.0
 148 64.0 32.1 96.3





#89

n-Butylbenzene

Concen: 55.079 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

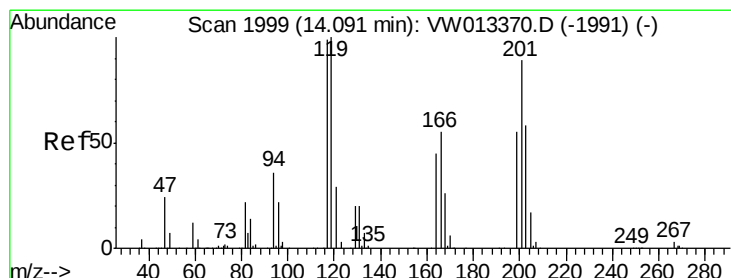
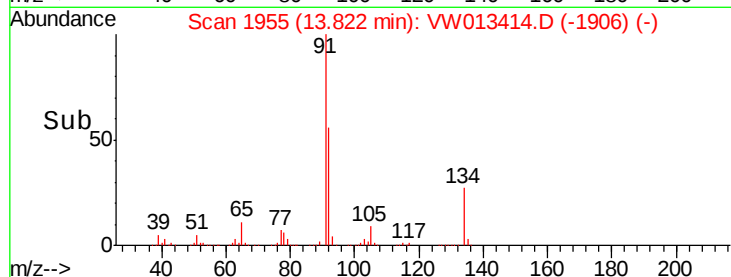
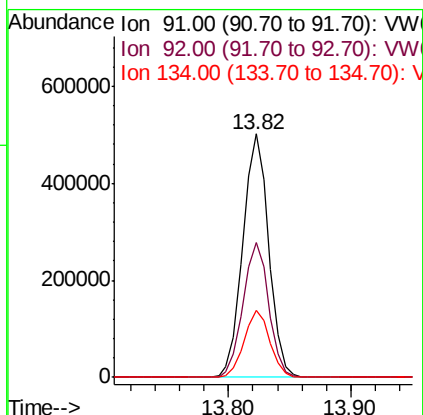
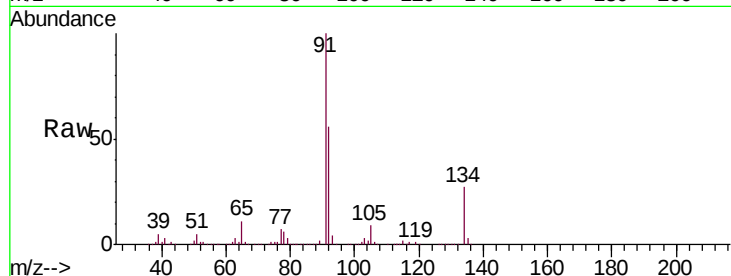
Tgt Ion: 91 Resp: 733168

Ion Ratio Lower Upper

91 100

92 55.4 27.6 82.8

134 27.4 13.7 41.1



#90

Hexachloroethane

Concen: 54.109 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013414.D

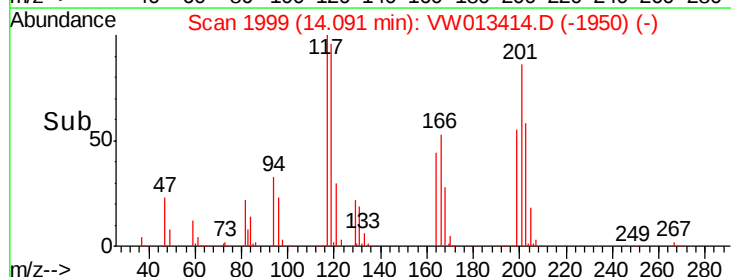
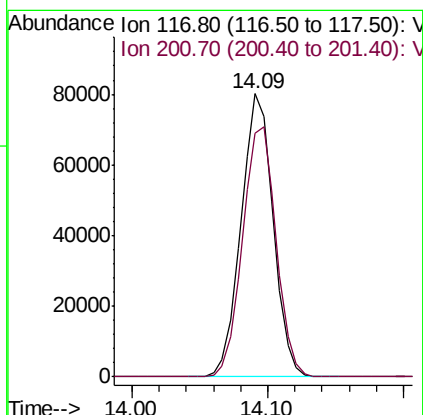
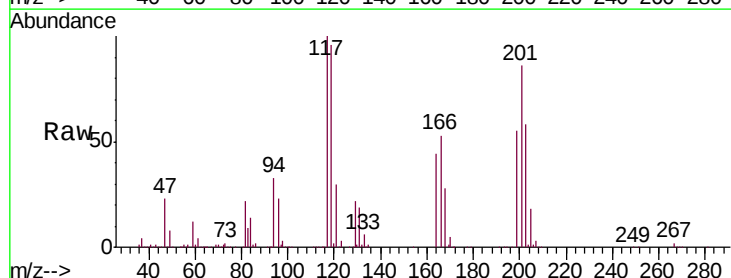
Acq: 03 Oct 2019 10:32

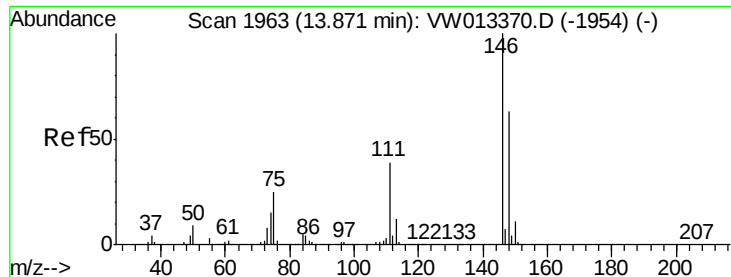
Tgt Ion: 117 Resp: 131987

Ion Ratio Lower Upper

117 100

201 92.3 44.5 133.5

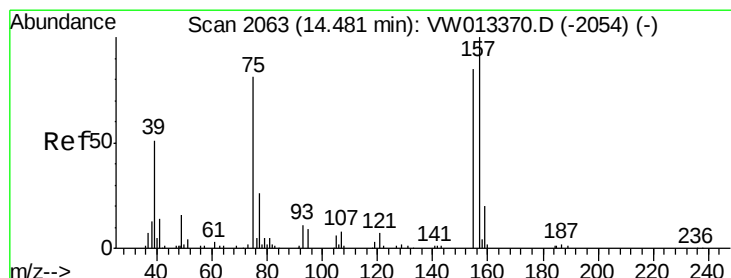
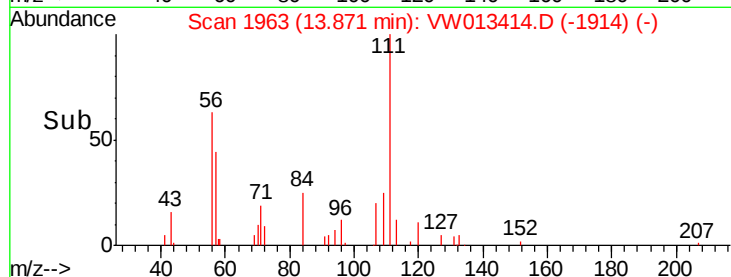
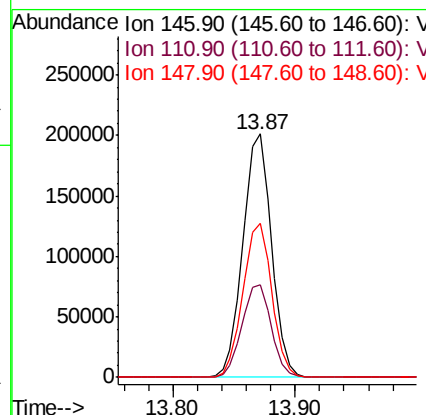
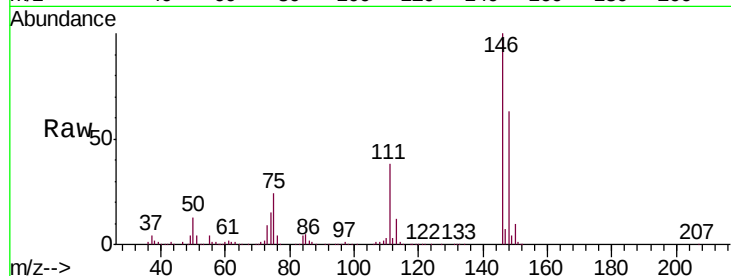




#91
 1,2-Dichlorobenzene
 Concen: 51.325 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

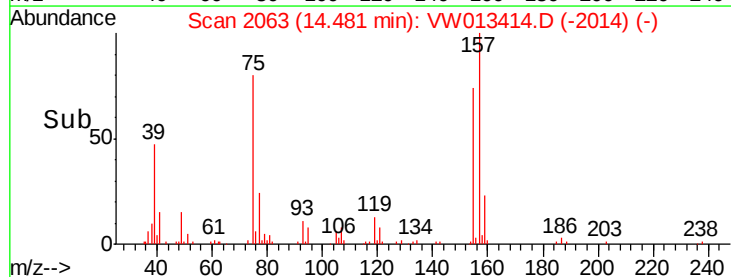
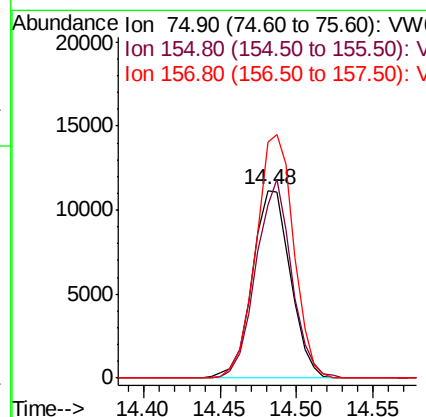
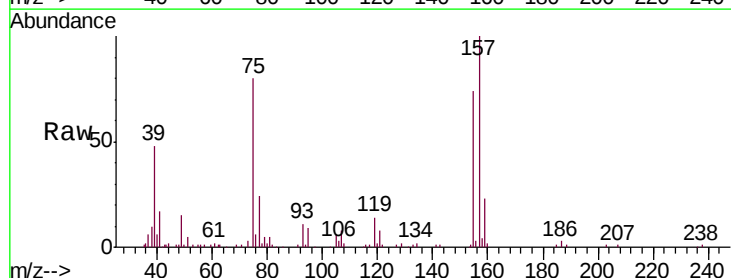
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

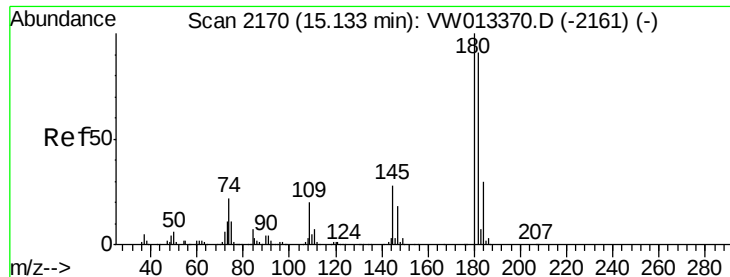
Tgt Ion: 146 Resp: 326417
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.1 60.3
 148 63.9 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.795 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion: 75 Resp: 19270
 Ion Ratio Lower Upper
 75 100
 155 99.5 46.1 138.3
 157 128.9 60.4 181.2

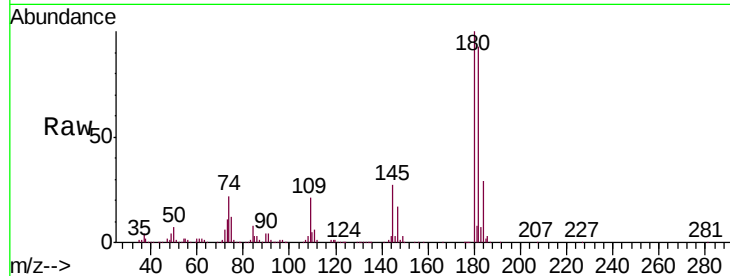




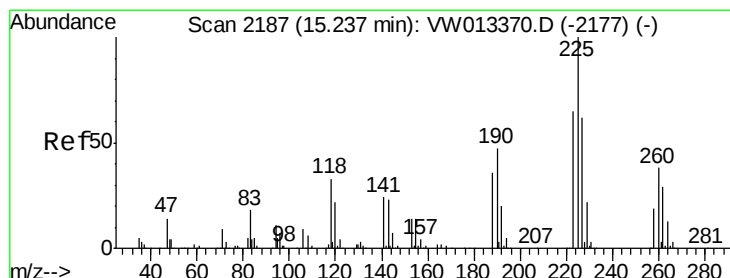
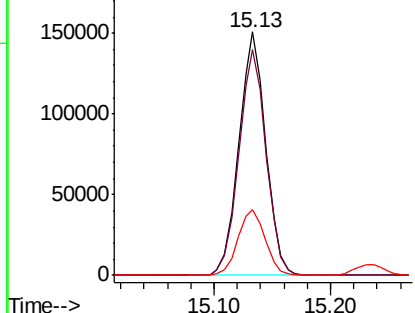
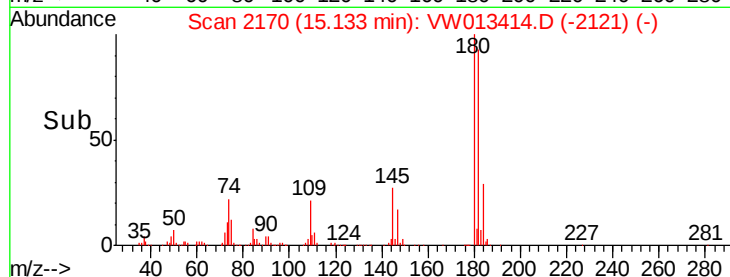
#93
 1,2,4-Trichlorobenzene
 Concen: 52.848 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Tgt Ion:180 Resp: 241206
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.3 142.0
 145 27.6 14.2 42.8

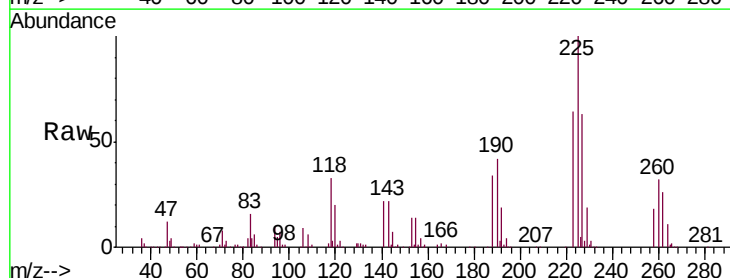


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

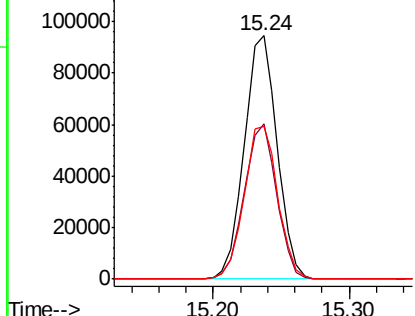
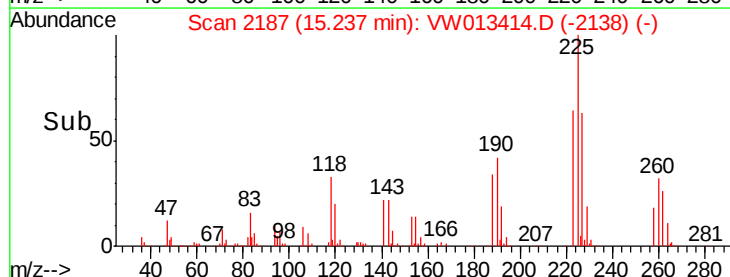


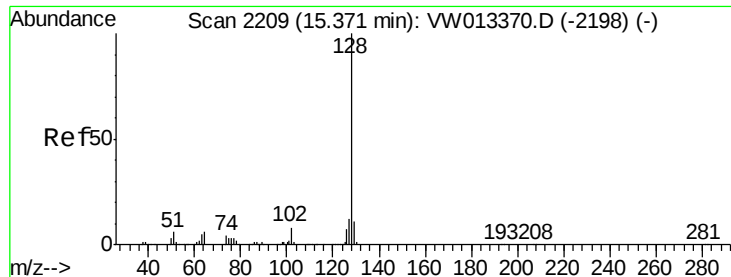
#94
 Hexachlorobutadiene
 Concen: 53.919 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 10:32

Tgt Ion:225 Resp: 159864
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.6 91.8
 227 64.4 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

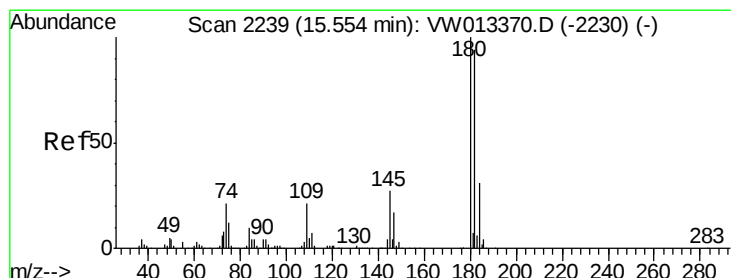
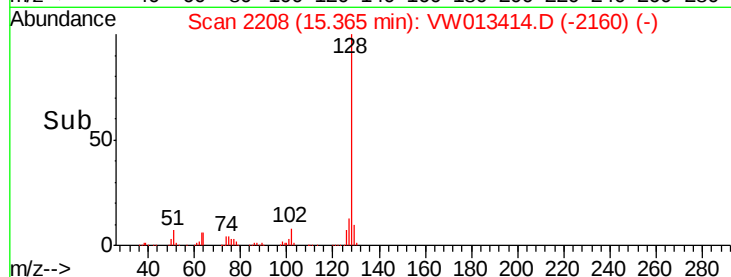
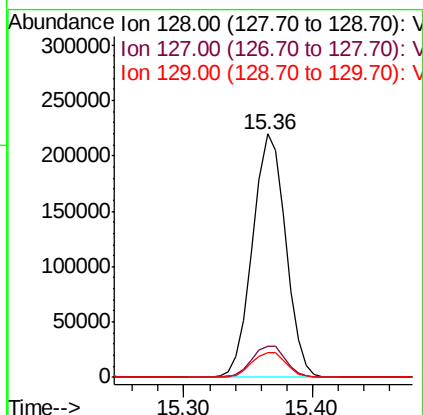
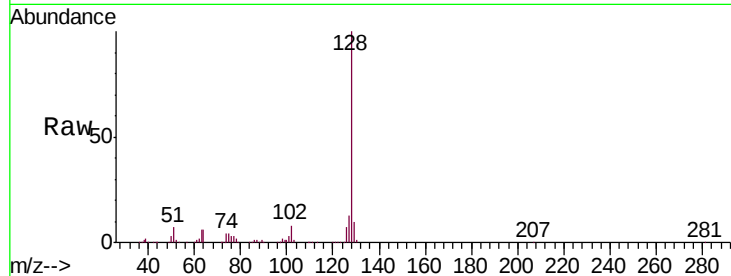




#95
Naphthalene
Concen: 50.664 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tgt Ion:128 Resp: 390071
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.014 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 10:32

Tgt Ion:180 Resp: 207270
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 29.9 15.0 45.0

