

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013372.D
 Acq On : 01 Oct 2019 15:12
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 01 15:47:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	455218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	435872	147.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.56%	
35) Dibromofluoromethane	7.88	113	441706	152.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.18%	
50) Toluene-d8	10.32	98	1836088	151.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.12%	
62) 4-Bromofluorobenzene	12.62	95	597608	143.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	237716	113.645	ug/l	94
3) Chloromethane	2.21	50	303453	112.855	ug/l	99
4) Vinyl Chloride	2.36	62	470394	135.697	ug/l	99
5) Bromomethane	2.76	94	291366	132.633	ug/l	92
6) Chloroethane	2.90	64	275216	134.691	ug/l	95
7) Trichlorofluoromethane	3.24	101	222548	111.337	ug/l	96
8) Diethyl Ether	3.68	74	256551	150.263	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	465094	142.917	ug/l	99
10) Methyl Iodide	4.27	142	766912	152.000	ug/l	99
11) Tert butyl alcohol	5.17	59	181516	739.539	ug/l	96
12) 1,1-Dichloroethene	4.04	96	497925	147.756	ug/l	97
13) Acrolein	3.89	56	215231	1263.345	ug/l	100
14) Allyl chloride	4.66	41	755524	140.872	ug/l	98
15) Acrylonitrile	5.36	53	589708	800.226	ug/l	99
16) Acetone	4.12	43	607547	910.310	ug/l	94
17) Carbon Disulfide	4.38	76	1448246	148.687	ug/l	99
18) Methyl Acetate	4.66	43	297663	158.663	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	743189	143.896	ug/l	98
20) Methylene Chloride	4.92	84	514350	135.996	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	538785	147.926	ug/l	99
22) Diisopropyl ether	6.31	45	1466501	143.794	ug/l	97
23) Vinyl Acetate	6.25	43	4623805	764.219	ug/l	98
24) 1,1-Dichloroethane	6.21	63	892058	144.953	ug/l	99
25) 2-Butanone	7.16	43	819797	818.253	ug/l	95
26) 2,2-Dichloropropane	7.16	77	498501	121.983	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	574181	149.379	ug/l	96
28) Bromochloromethane	7.51	49	355056	150.322	ug/l	96
29) Tetrahydrofuran	7.52	42	493287	802.845	ug/l	99
30) Chloroform	7.67	83	851377	141.303	ug/l	98
31) Cyclohexane	7.95	56	876916	136.696	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	674410	138.202	ug/l	99
36) 1,1-Dichloropropene	8.08	75	724013	141.561	ug/l	99
37) Ethyl Acetate	7.25	43	334839	154.043	ug/l	98
38) Carbon Tetrachloride	8.07	117	650393	141.858	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	968950	147.420	ug/l	100
40) Benzene	8.32	78	2052341	143.864	ug/l	100
41) Methacrylonitrile	7.48	41	210090	161.942	ug/l	96
42) 1,2-Dichloroethane	8.40	62	539278	140.622	ug/l	98
43) Isopropyl Acetate	8.42	43	640405	153.720	ug/l	98
44) Trichloroethene	9.09	130	588900	147.130	ug/l	97
45) 1,2-Dichloropropane	9.37	63	505177	145.045	ug/l	99
46) Dibromomethane	9.46	93	253328	149.815	ug/l	97
47) Bromodichloromethane	9.64	83	642163	149.248	ug/l	96
48) Methyl methacrylate	9.43	41	324425	165.610	ug/l	97
49) 1,4-Dioxane	9.45	88	78368	3087.527	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	1619357	775.360	ug/l	99
52) Toluene	10.38	92	1331892	145.675	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	697005	157.674	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	821837	152.905	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	378363	149.704	ug/l	99
56) Ethyl methacrylate	10.65	69	542661	164.060	ug/l	97
57) 1,3-Dichloropropane	10.93	76	662241	150.153	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1120721	731.884	ug/l	98
59) 2-Hexanone	10.97	43	1183084	823.360	ug/l	99
60) Dibromochloromethane	11.13	129	459961	160.274	ug/l	100
61) 1,2-Dibromoethane	11.23	107	369181	153.631	ug/l	99
64) Tetrachloroethene	10.86	164	509677	147.566	ug/l	99
65) Chlorobenzene	11.66	112	1387611	145.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	494463	152.259	ug/l	99
67) Ethyl Benzene	11.73	91	2483655	144.201	ug/l	98
68) m/p-Xylenes	11.84	106	1921348	292.743	ug/l	97
69) o-Xylene	12.16	106	869258	142.454	ug/l	99
70) Styrene	12.18	104	1542469	147.240	ug/l	99
71) Bromoform	12.35	173	274649	160.083	ug/l #	97
73) Isopropylbenzene	12.46	105	2410093	150.304	ug/l	100
74) N-amyl acetate	12.27	43	565905	159.046	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	415530	154.951	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	534418	278.783	ug/l #	100
77) Bromobenzene	12.74	156	579831	152.595	ug/l	99
78) n-propylbenzene	12.80	91	2744938	146.247	ug/l	99
79) 2-Chlorotoluene	12.89	91	1528414	145.353	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1920684	142.496	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	150291	175.923	ug/l	91
82) 4-Chlorotoluene	12.99	91	1572699	141.829	ug/l	99
83) tert-Butylbenzene	13.20	119	1695796	143.340	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1961980	146.278	ug/l	99
85) sec-Butylbenzene	13.38	105	2419578	148.343	ug/l	100
86) p-Isopropyltoluene	13.50	119	2198712	145.338	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1072264	146.625	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1051168	146.562	ug/l	99
89) n-Butylbenzene	13.82	91	2001560	144.897	ug/l	99
90) Hexachloroethane	14.09	117	380014	149.528	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	932693	147.423	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	62949	153.467	ug/l	87

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Quant Title : SW846 8260
QLast Update : Tue Oct 01 15:43:14 2019
Response via : Initial Calibration

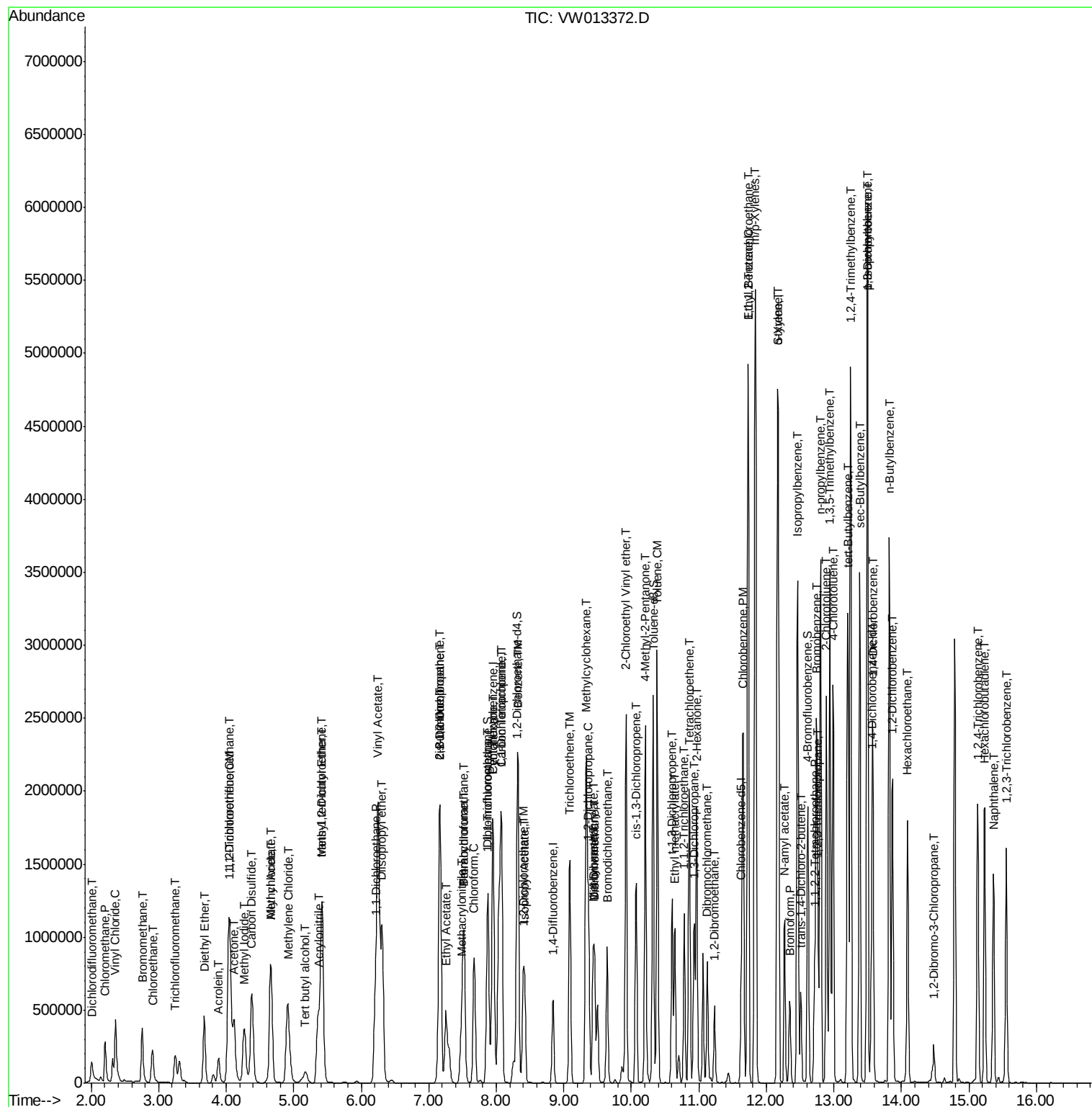
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	704330	155.361	ug/l	100
94) Hexachlorobutadiene	15.24	225	436724	140.807	ug/l	100
95) Naphthalene	15.36	128	1271466	171.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	611110	156.003	ug/l	99

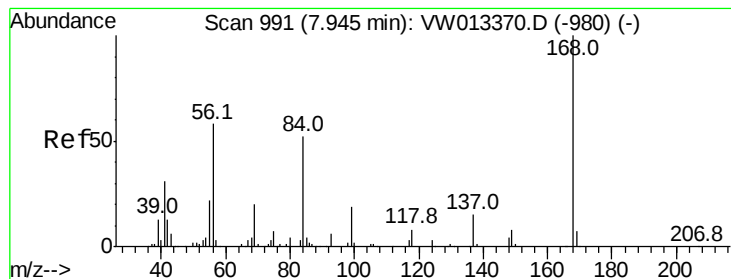
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
ClientSampled :

Quant Time: Oct 01 15:47:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 15:43:14 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

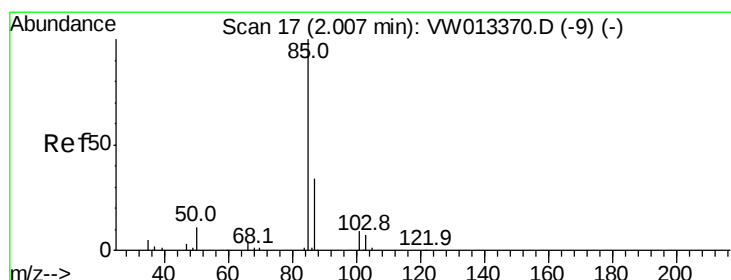
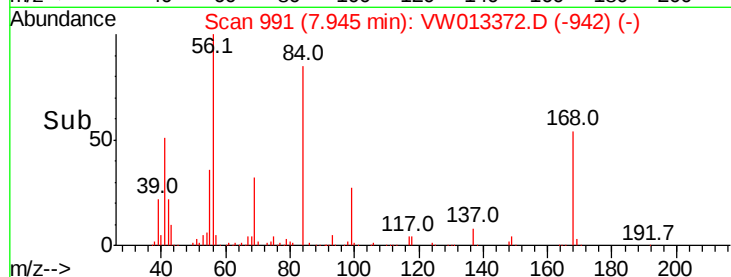
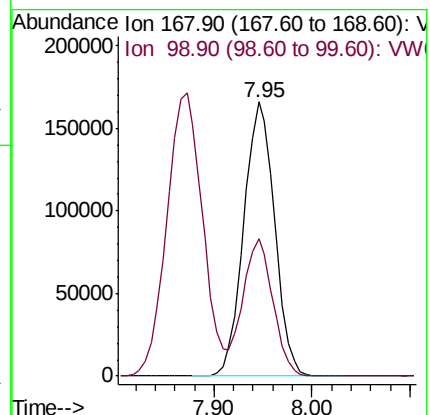
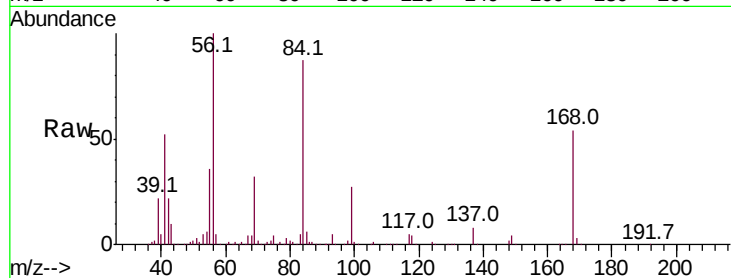
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 362622

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.4



#2

Dichlorodifluoromethane

Concen: 113.645 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013372.D

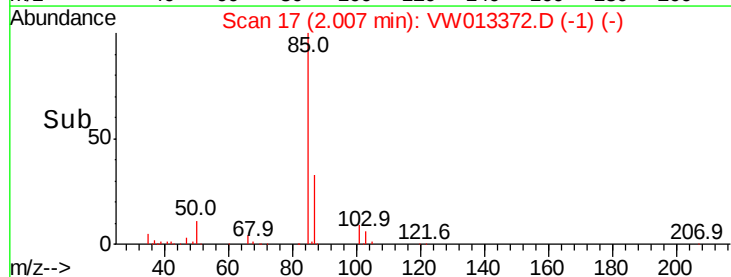
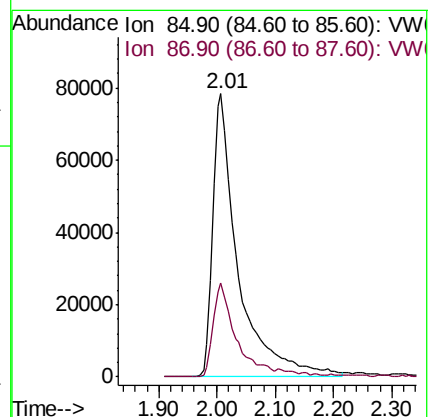
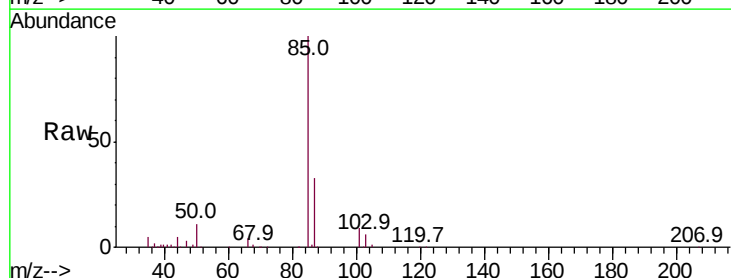
Acq: 01 Oct 2019 15:12

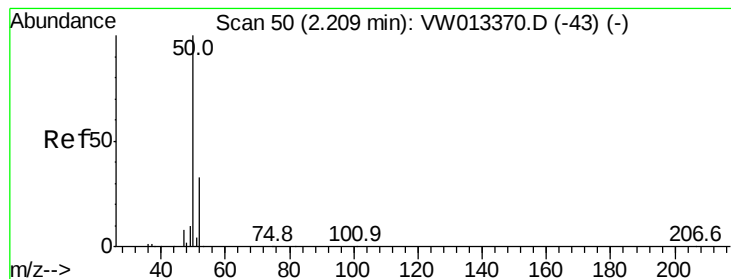
Tgt Ion: 85 Resp: 237716

Ion Ratio Lower Upper

85 100

87 33.3 15.1 45.3





#3

Chloromethane

Concen: 112.855 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

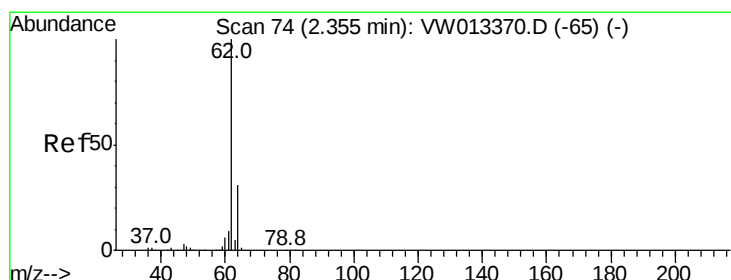
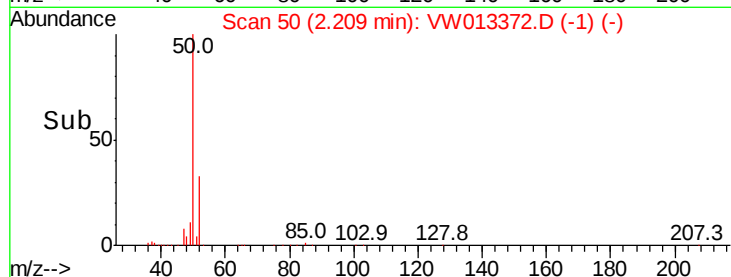
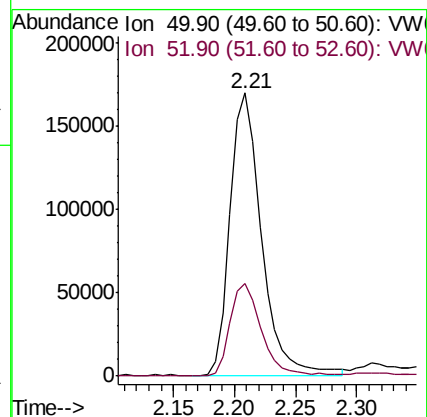
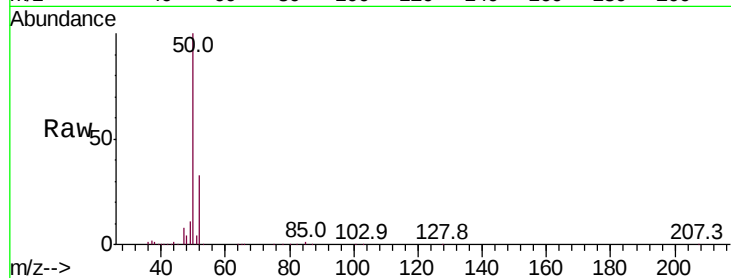
ClientSampleId :

Tot Ion: 50 Resp: 303453

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



#4

Vinyl Chloride

Concen: 135.697 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013372.D

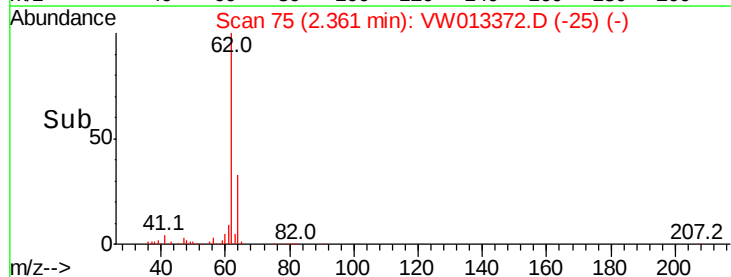
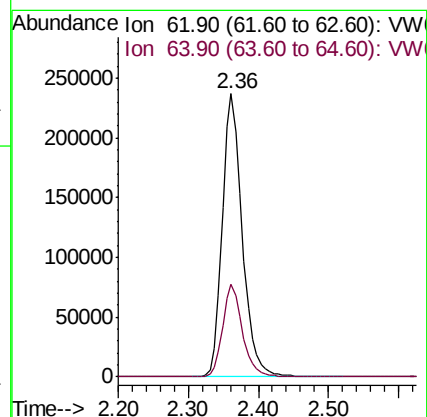
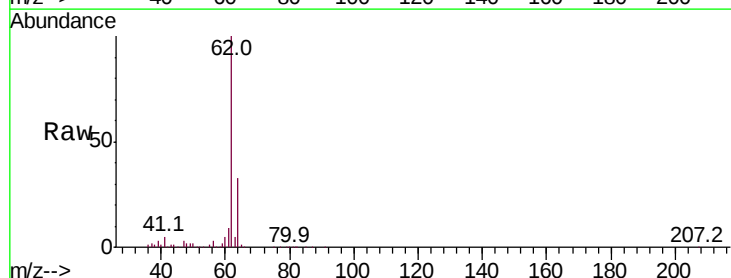
Acq: 01 Oct 2019 15:12

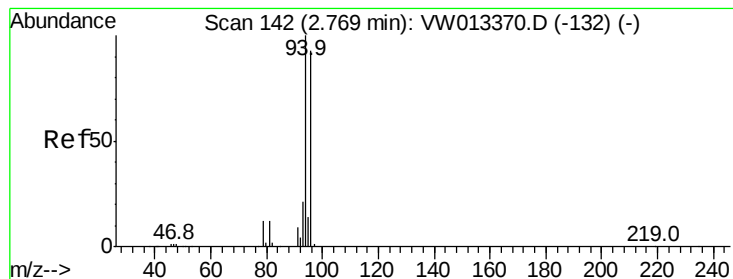
Tgt Ion: 62 Resp: 470394

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 132.633 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

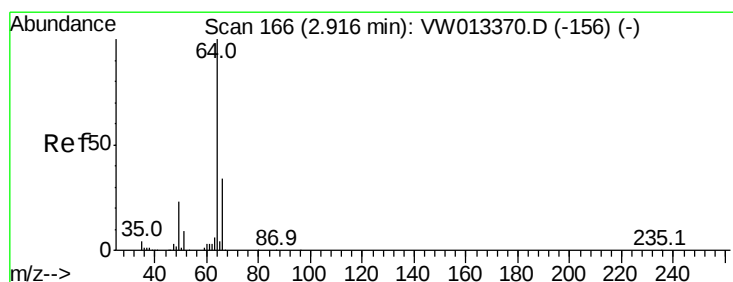
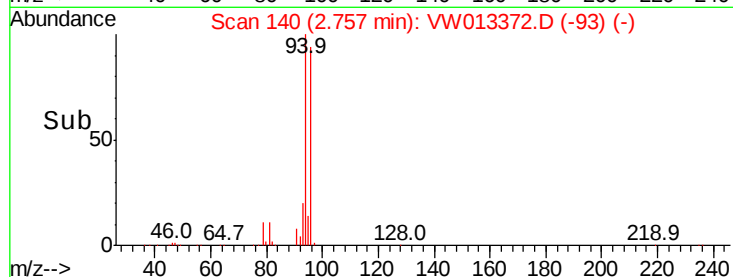
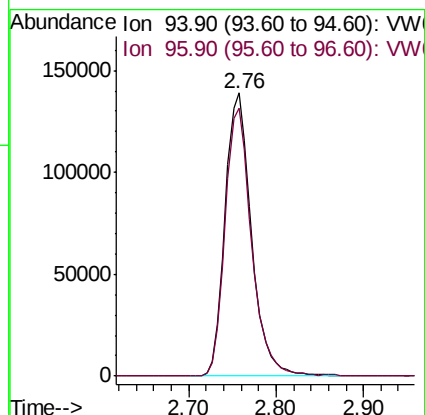
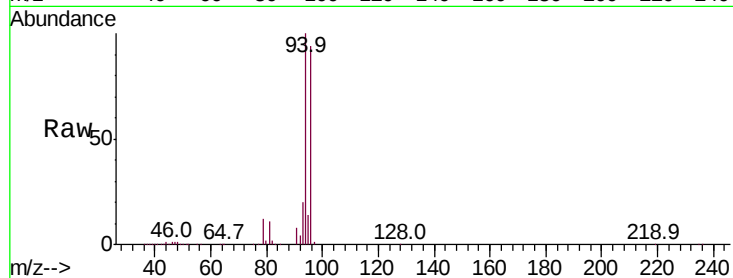
ClientSampleId :

Tot Ion: 94 Resp: 291366

Ion Ratio Lower Upper

94 100

96 94.5 69.7 104.5



#6

Chloroethane

Concen: 134.691 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013372.D

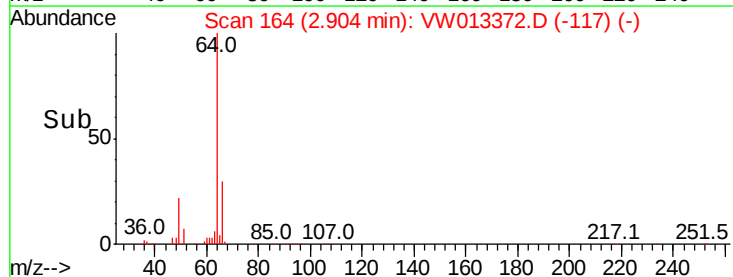
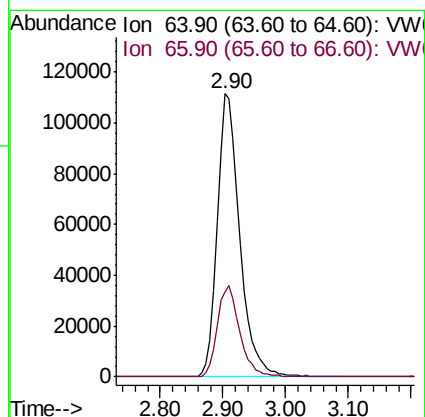
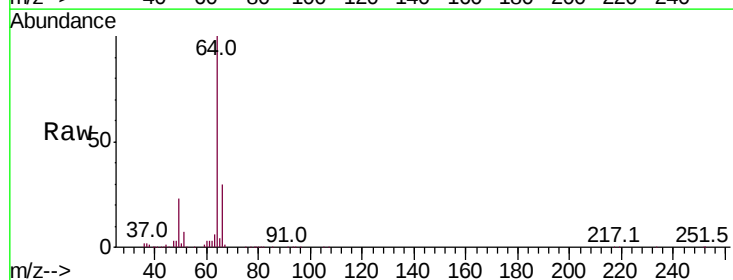
Acq: 01 Oct 2019 15:12

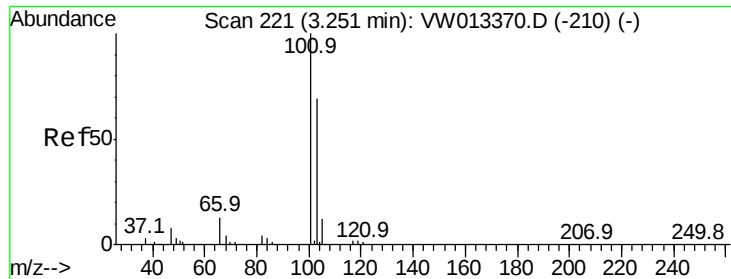
Tgt Ion: 64 Resp: 275216

Ion Ratio Lower Upper

64 100

66 30.1 26.6 39.8



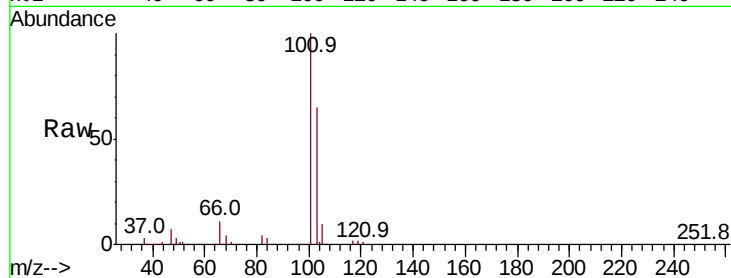


#7

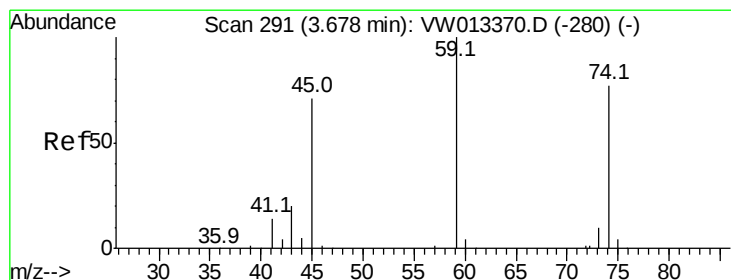
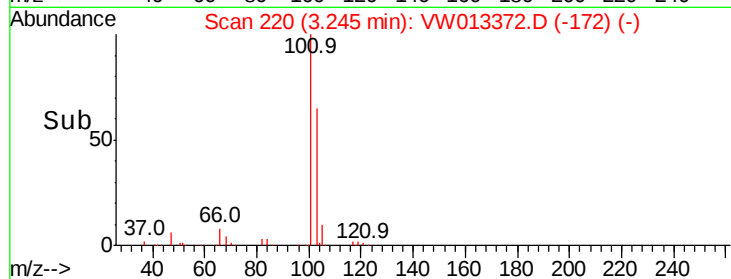
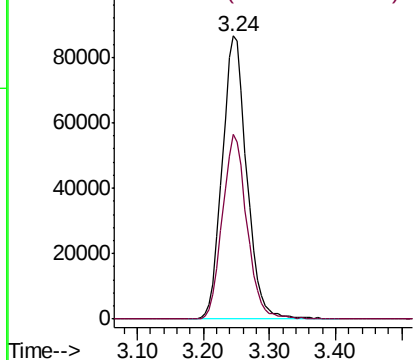
Trichlorofluoromethane
Concen: 111.337 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 222548
Ion Ratio Lower Upper
101 100
103 65.2 49.7 74.5



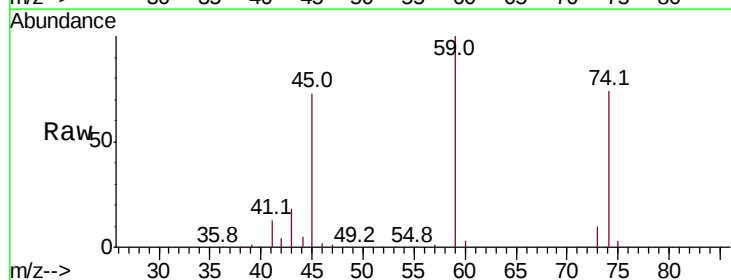
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



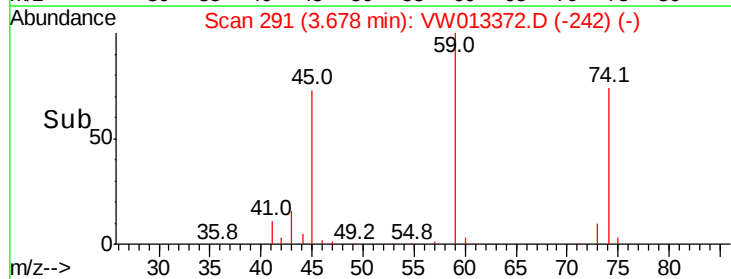
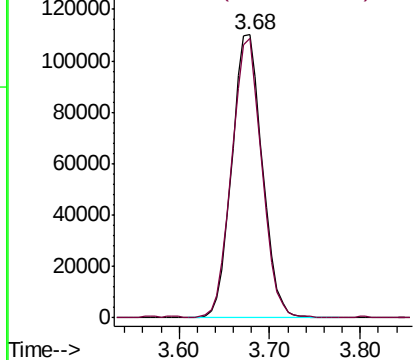
#8

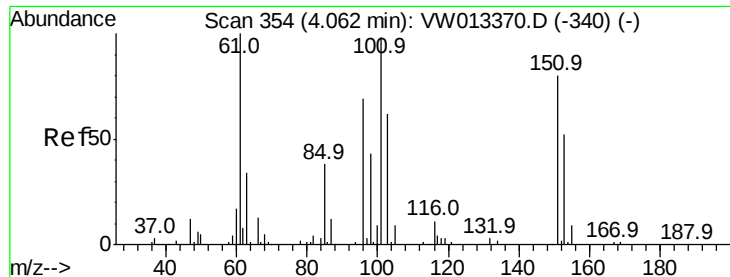
Diethyl Ether
Concen: 150.263 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013372.D
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Tgt Ion: 74 Resp: 256551
Ion Ratio Lower Upper
74 100
45 97.0 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.917 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

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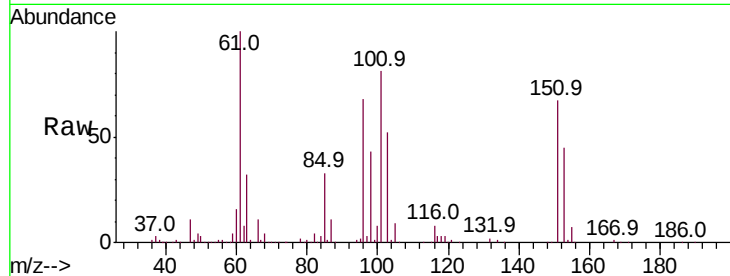
Tot Ion:101 Resp: 465094

Ion Ratio Lower Upper

101 100

85 40.6 33.4 50.0

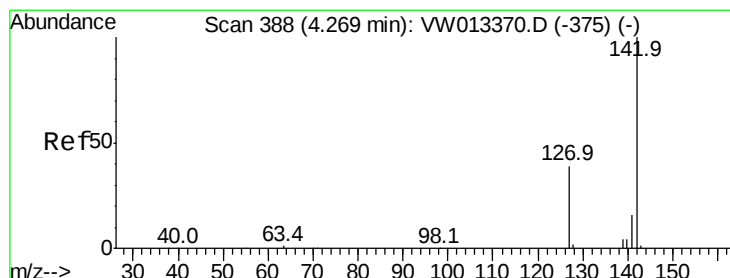
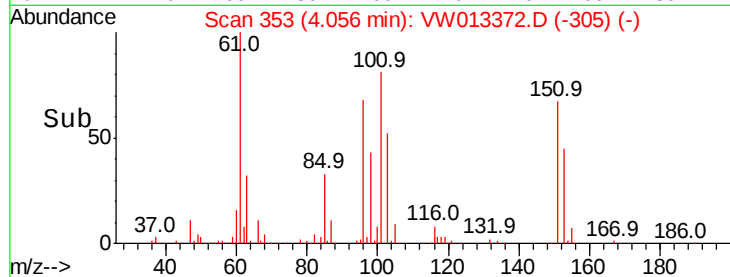
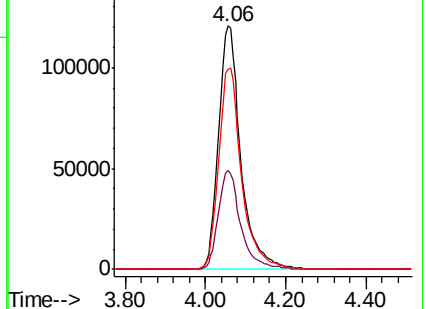
151 84.8 66.9 100.3



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: 152.000 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

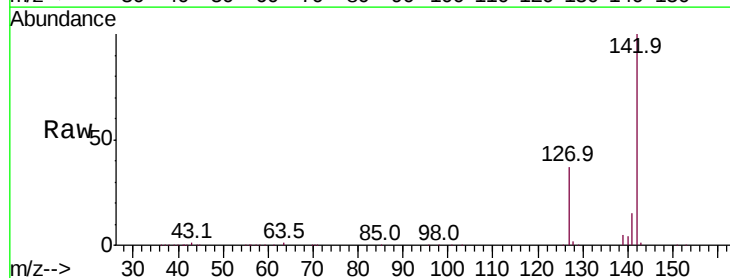
Tgt Ion:142 Resp: 766912

Ion Ratio Lower Upper

142 100

127 37.7 30.9 46.3

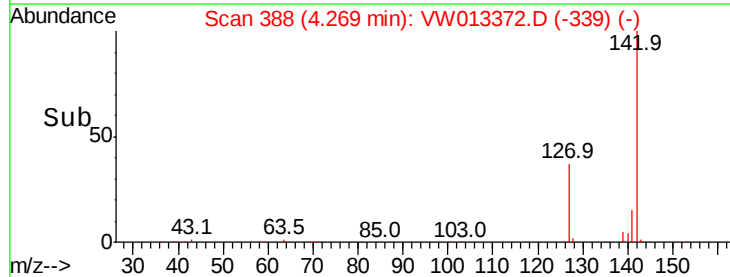
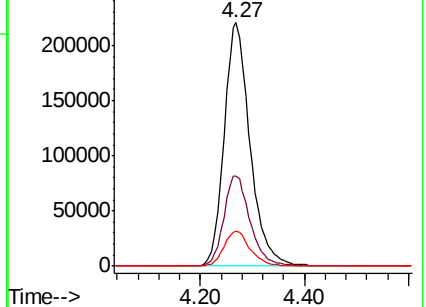
141 14.7 11.7 17.5

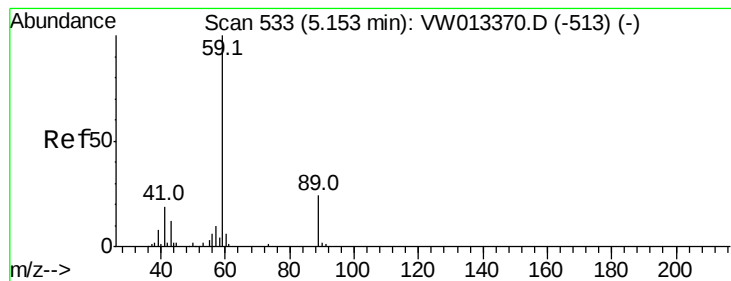


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



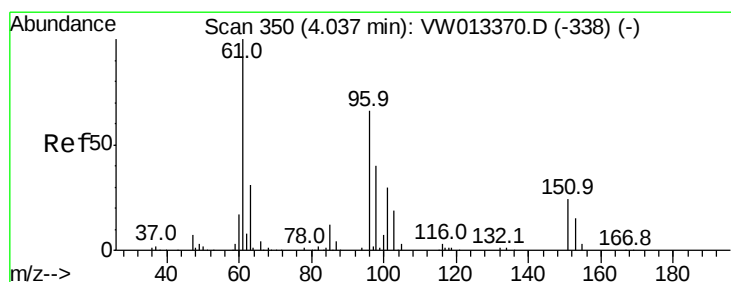
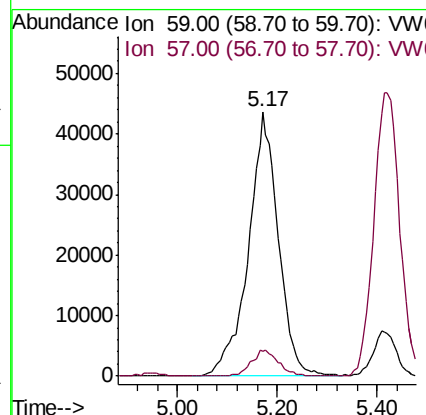
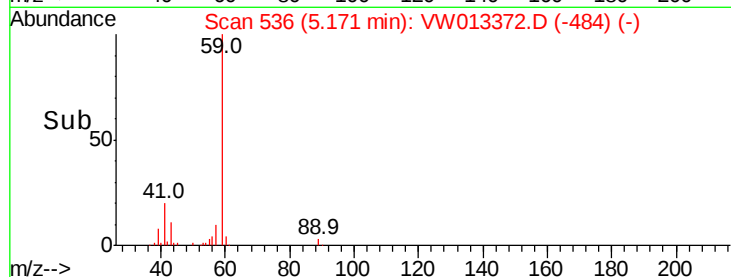
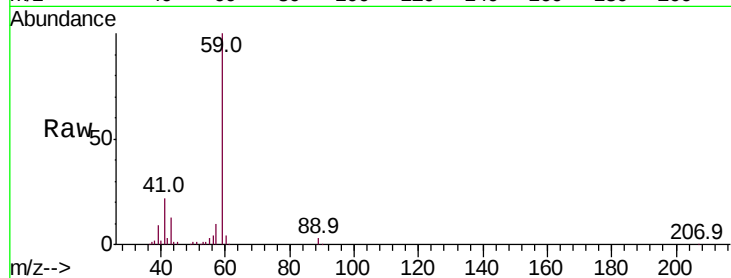


#11

Tert butyl alcohol
Concen: 739.539 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.02 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampled :

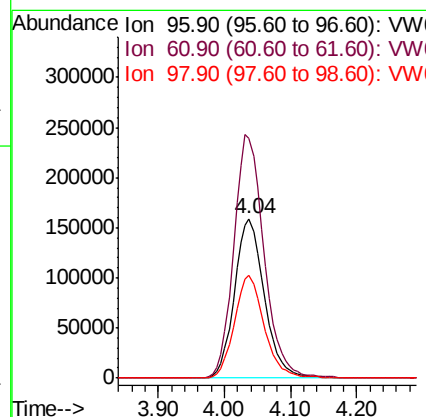
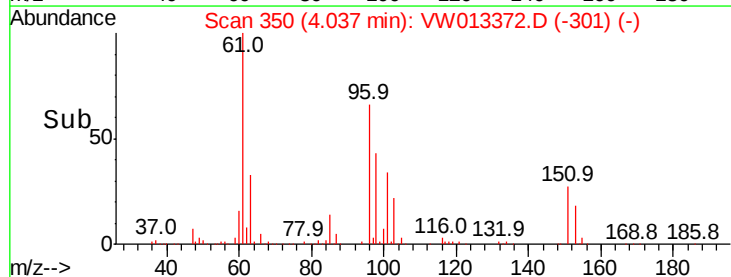
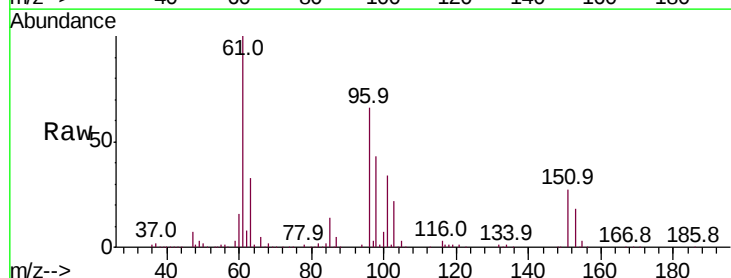
Tot Ion: 59 Resp: 181516
Ion Ratio Lower Upper
59 100
57 8.9 8.2 12.2

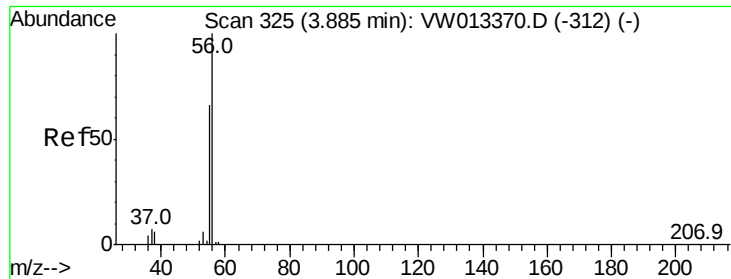


#12

1,1-Dichloroethene
Concen: 147.756 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 96 Resp: 497925
Ion Ratio Lower Upper
96 100
61 151.0 125.1 187.7
98 64.3 50.8 76.2





#13

Acrolein

Concen: 1263.345 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

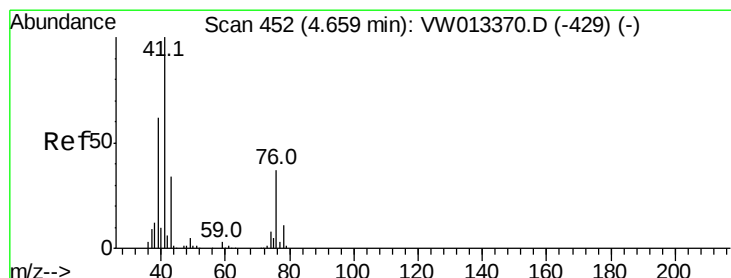
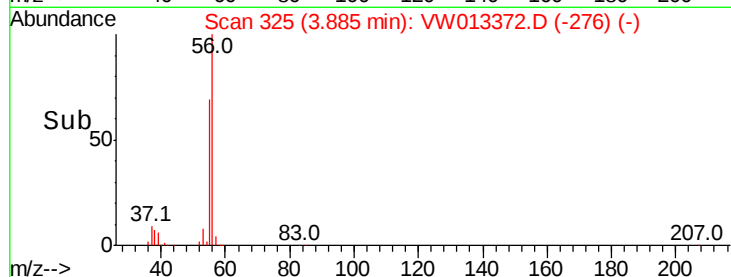
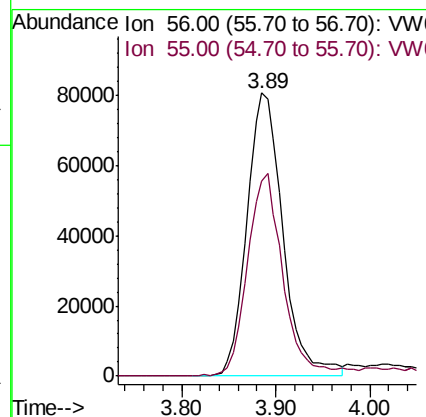
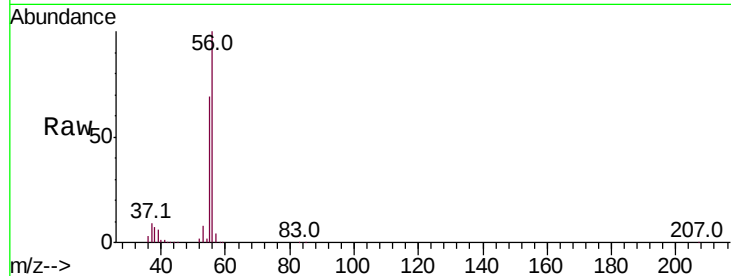
ClientSampleId :

Tot Ion: 56 Resp: 215231

Ion Ratio Lower Upper

56 100

55 69.1 55.4 83.0



#14

Allyl chloride

Concen: 140.872 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

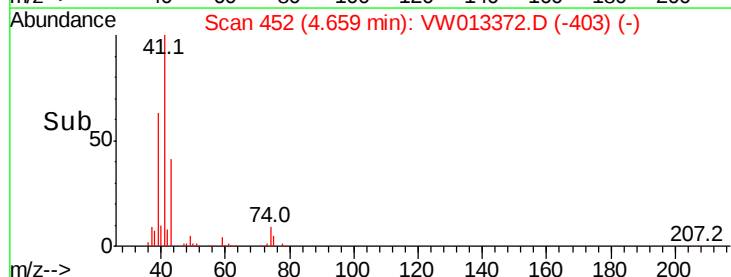
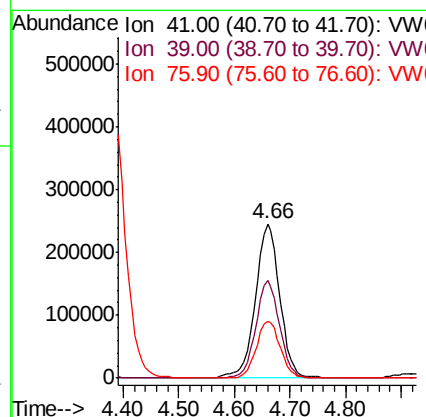
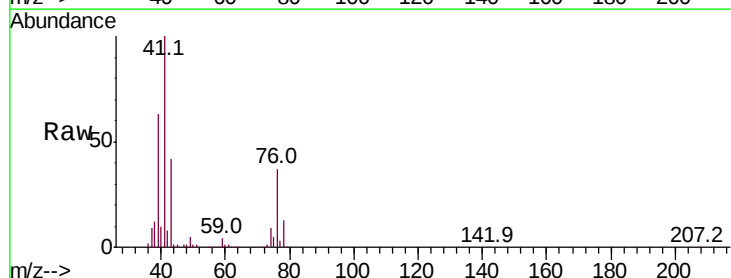
Tgt Ion: 41 Resp: 755524

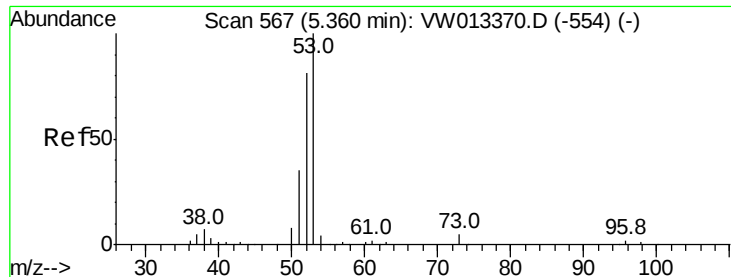
Ion Ratio Lower Upper

41 100

39 61.3 51.0 76.4

76 35.7 28.4 42.6





#15

Acrylonitrile

Concen: 800.226 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

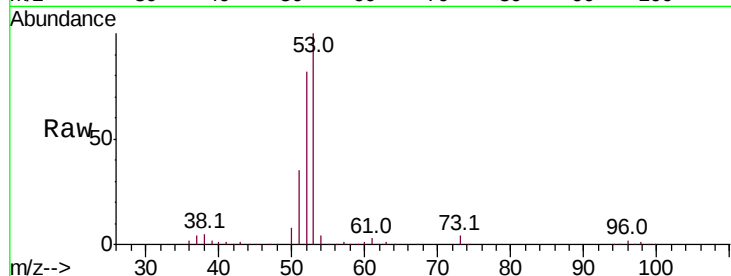
Tot Ion: 53 Resp: 589708

Ion Ratio Lower Upper

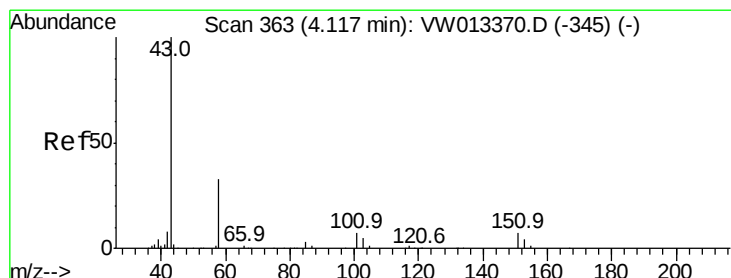
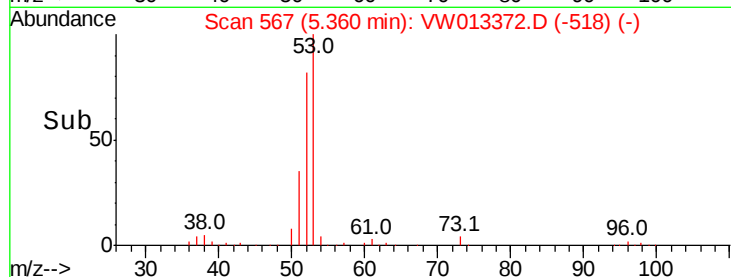
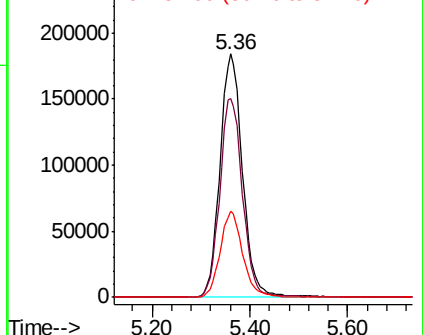
53 100

52 81.4 65.3 97.9

51 35.3 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 910.310 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013372.D

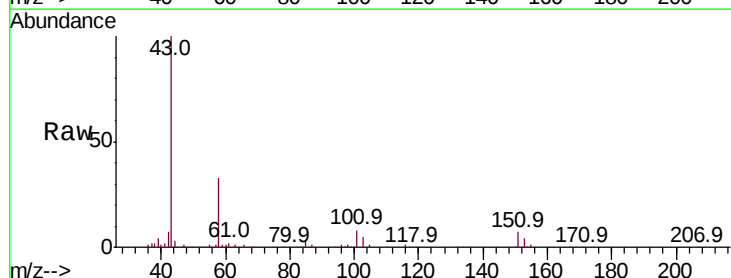
Acq: 01 Oct 2019 15:12

Tgt Ion: 43 Resp: 607547

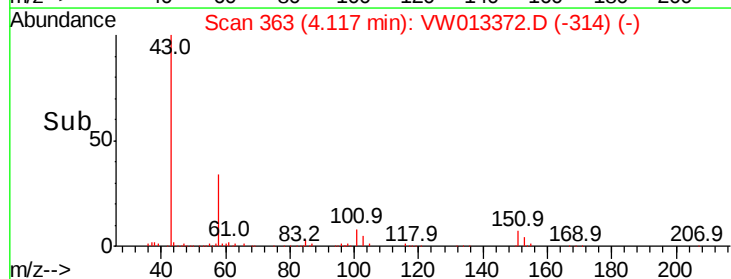
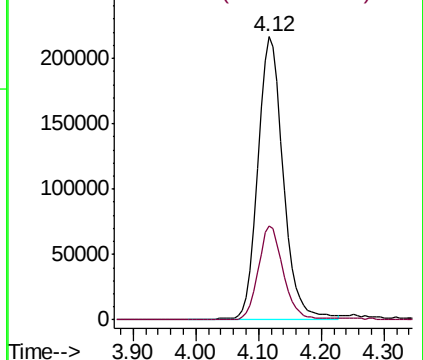
Ion Ratio Lower Upper

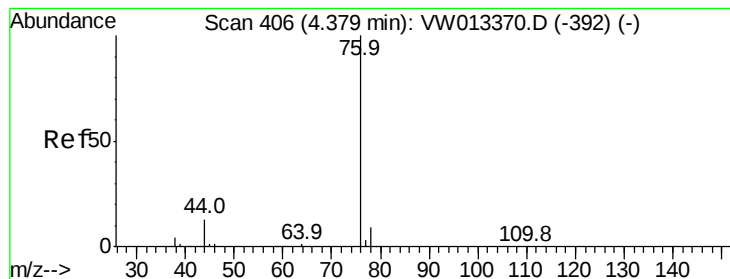
43 100

58 33.1 24.1 36.1



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





#17

Carbon Disulfide

Concen: 148.687 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

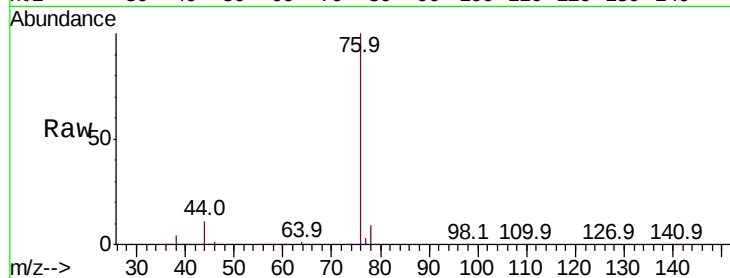
ClientSampleId :

Tot Ion: 76 Resp: 1448246

Ion Ratio Lower Upper

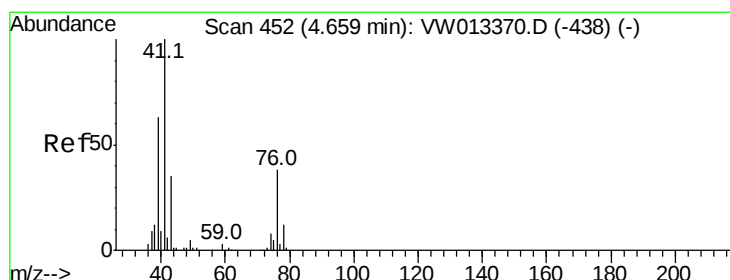
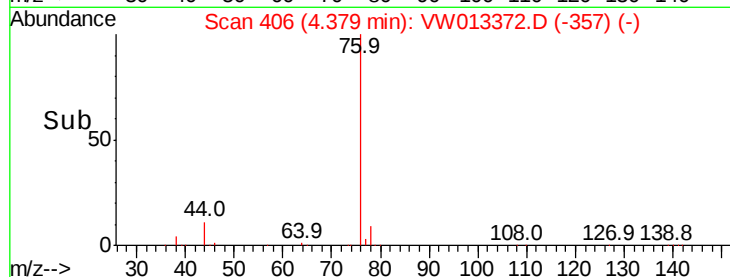
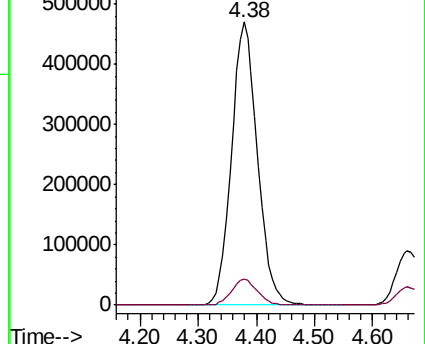
76 100

78 9.0 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 158.663 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013372.D

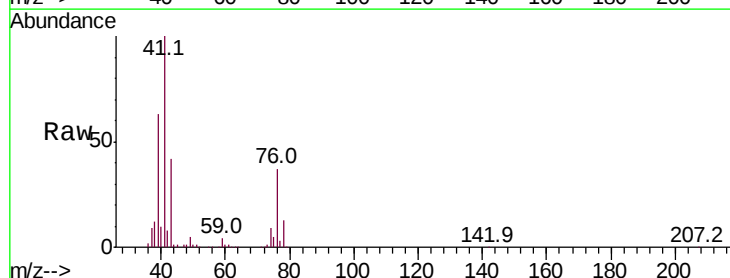
Acq: 01 Oct 2019 15:12

Tgt Ion: 43 Resp: 297663

Ion Ratio Lower Upper

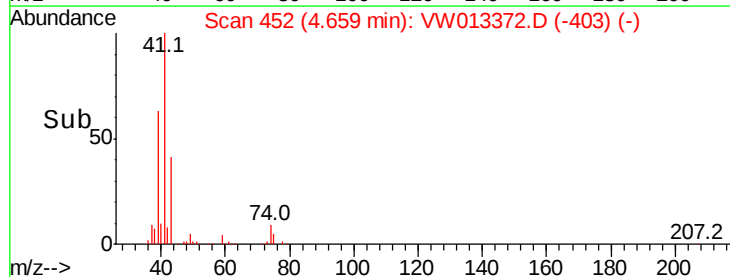
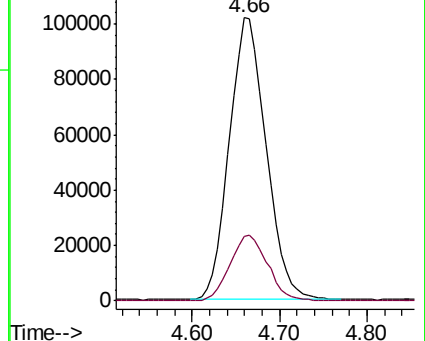
43 100

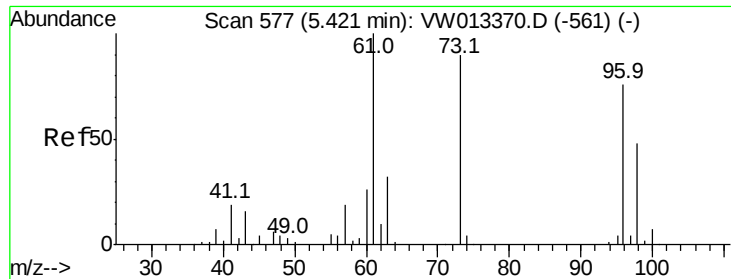
74 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

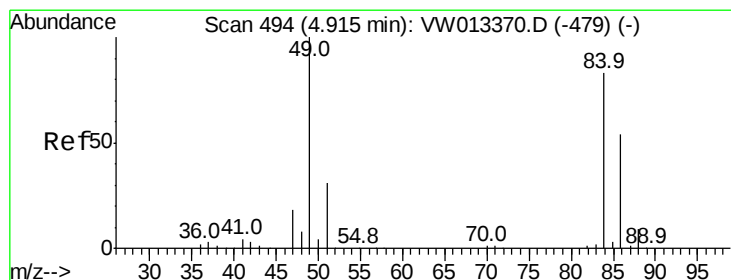
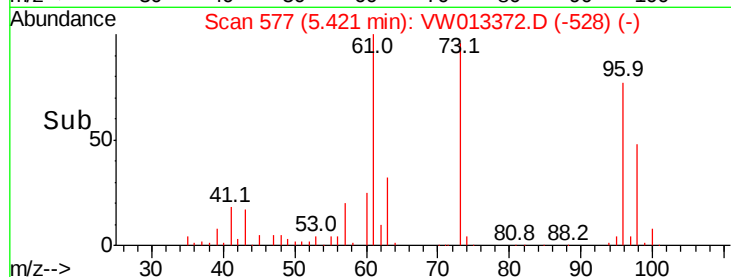
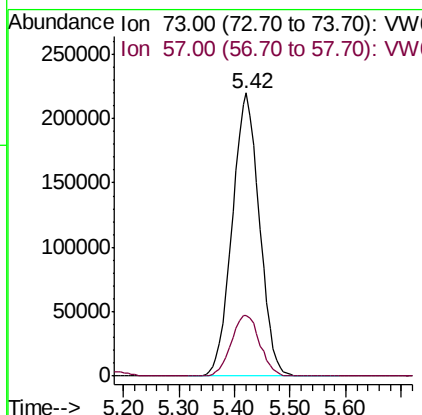
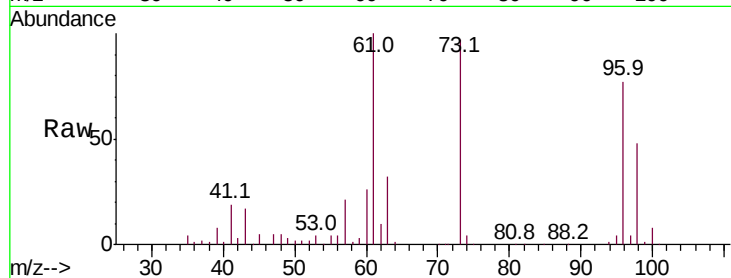




#19
Methyl tert-butyl Ether
Concen: 143.896 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

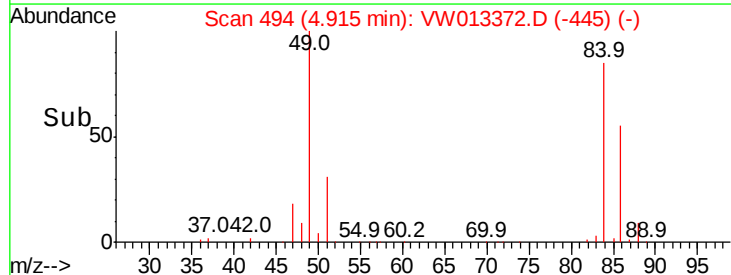
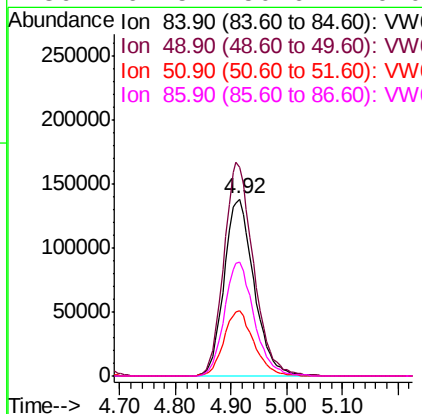
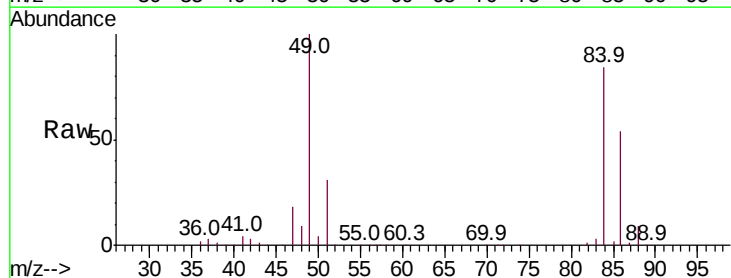
Instrument :
MSVOA_W
ClientSampled :

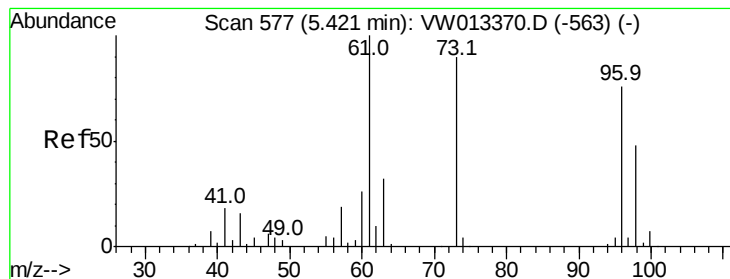
Tot Ion: 73 Resp: 743189
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4



#20
Methylene Chloride
Concen: 135.996 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 84 Resp: 514350
Ion Ratio Lower Upper
84 100
49 118.4 97.6 146.4
51 37.2 30.2 45.2
86 64.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 147.926 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampled :

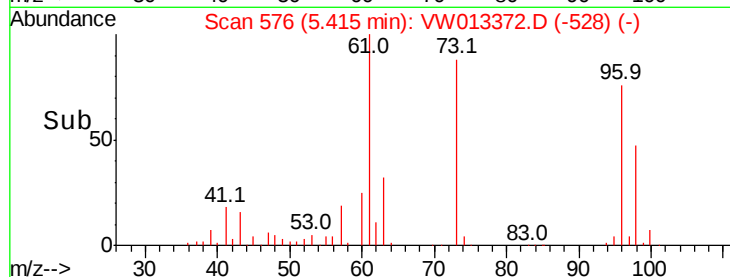
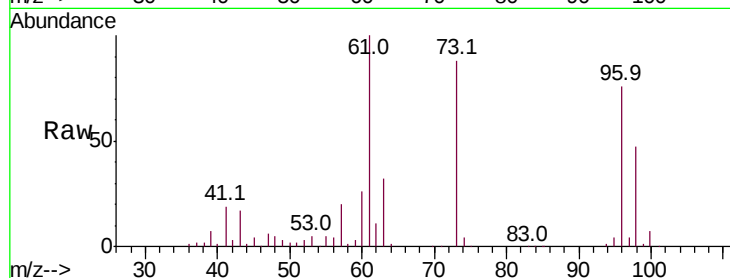
Tot Ion: 96 Resp: 538785

Ion Ratio Lower Upper

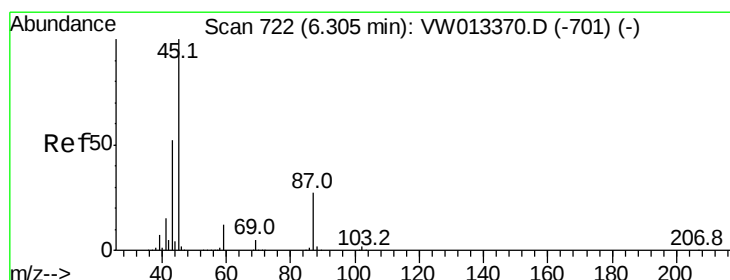
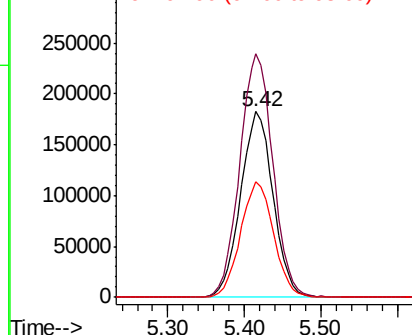
96 100

61 131.2 106.6 159.8

98 62.2 49.8 74.8



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



#22

Diisopropyl ether

Concen: 143.794 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion: 45 Resp: 1466501

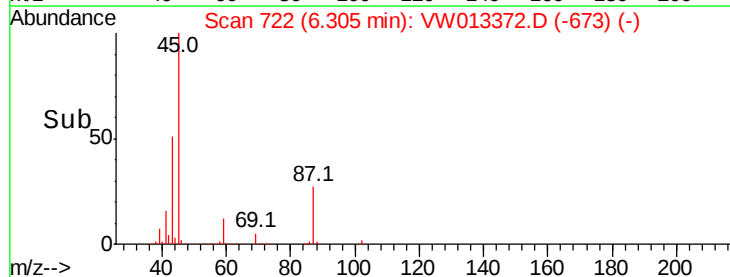
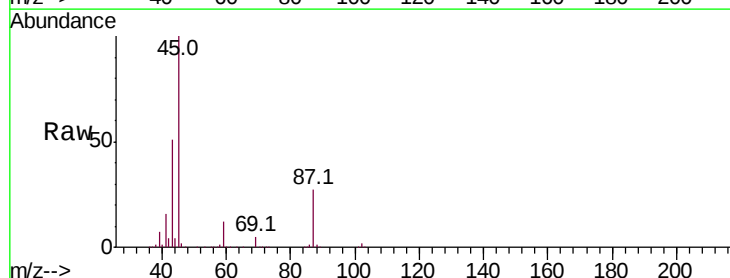
Ion Ratio Lower Upper

45 100

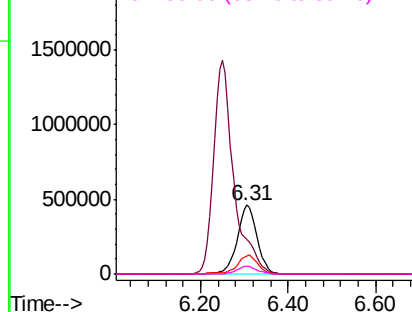
43 50.7 42.4 63.6

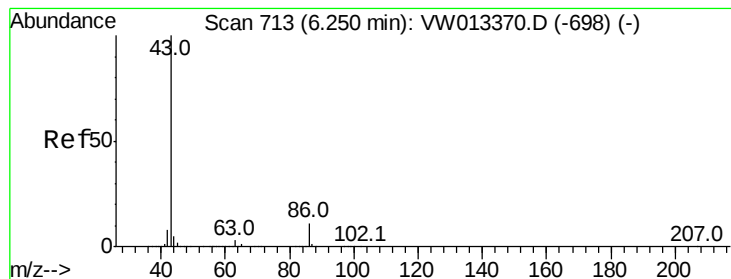
87 27.1 20.4 30.6

59 11.6 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: 764.219 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

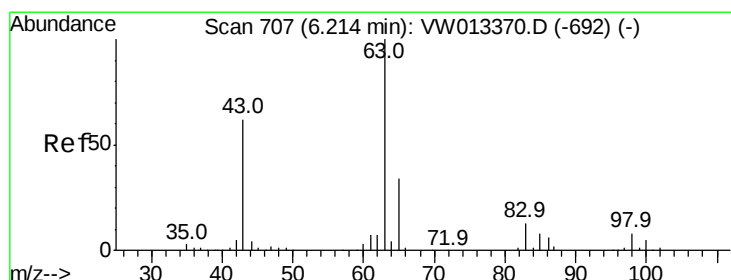
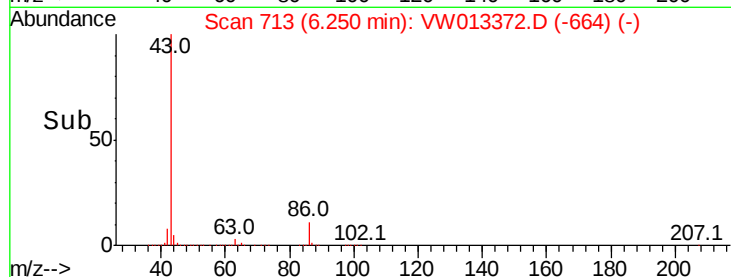
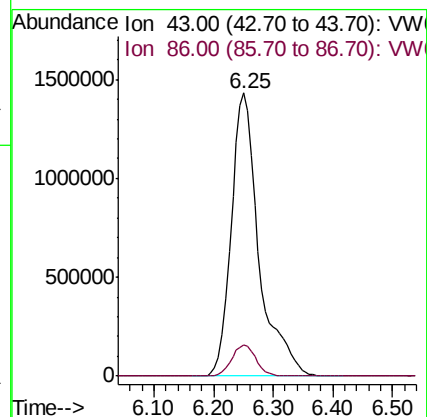
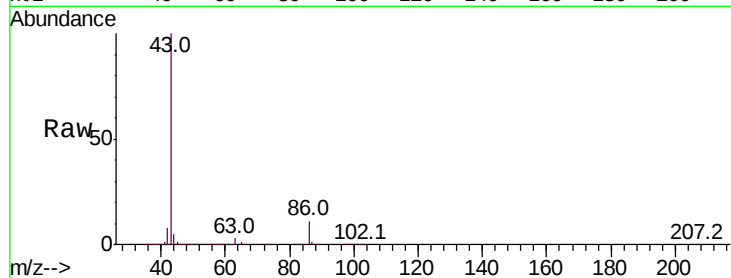
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 4623805

Ion Ratio Lower Upper

43 100

86 11.1 8.3 12.5



#24

1,1-Dichloroethane

Concen: 144.953 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

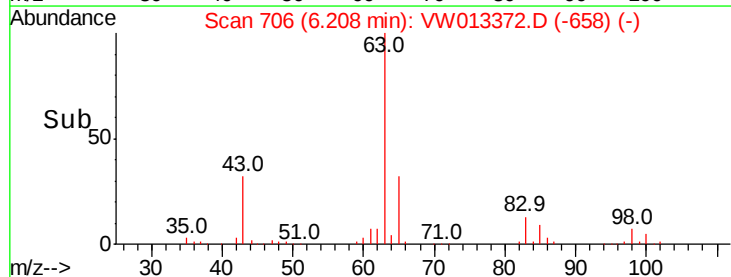
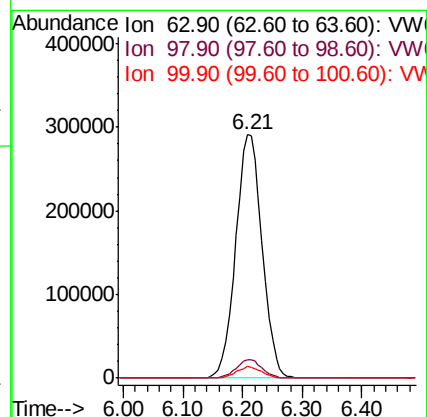
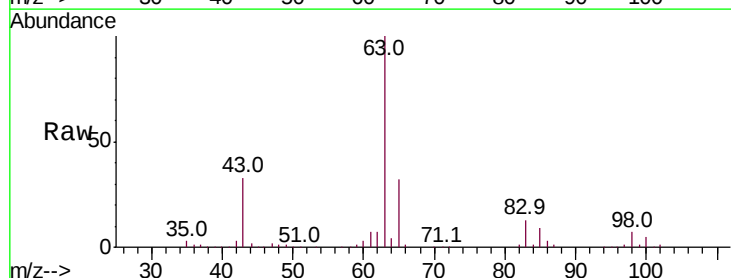
Tgt Ion: 63 Resp: 892058

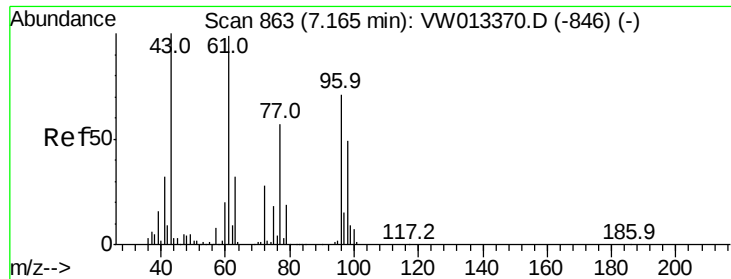
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 818.253 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

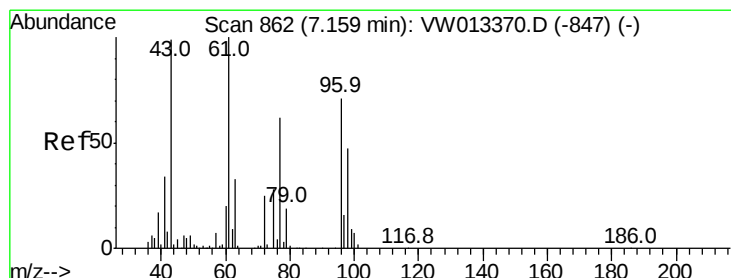
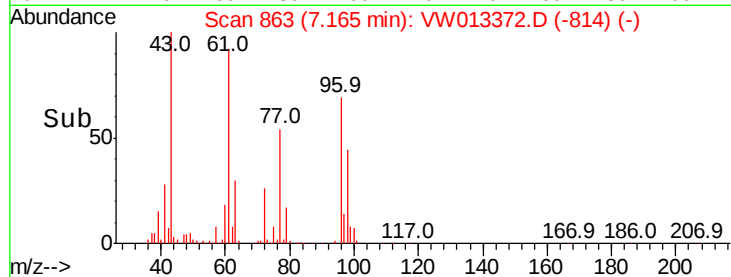
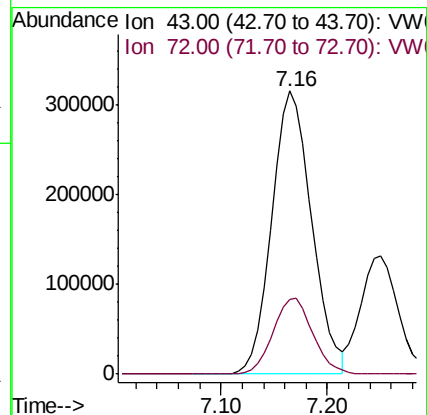
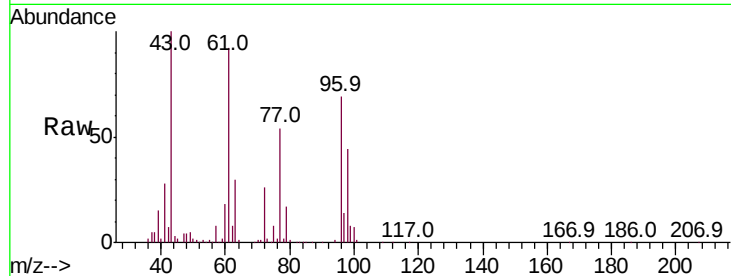
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 819797

Ion Ratio Lower Upper

43 100

72 26.4 19.4 29.0



#26

2,2-Dichloropropane

Concen: 121.983 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013372.D

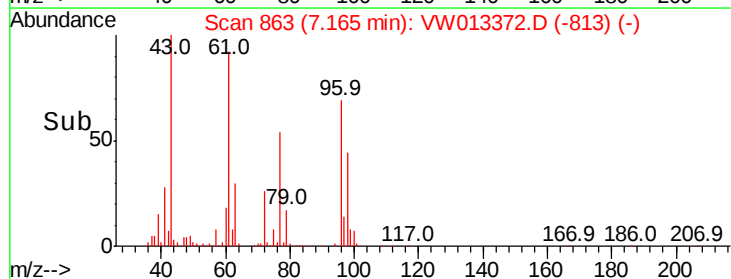
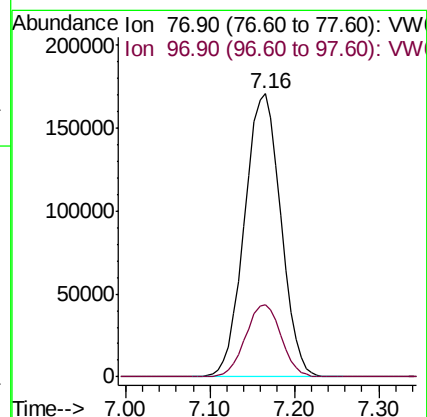
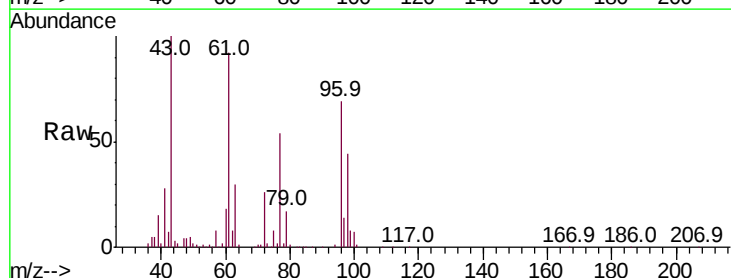
Acq: 01 Oct 2019 15:12

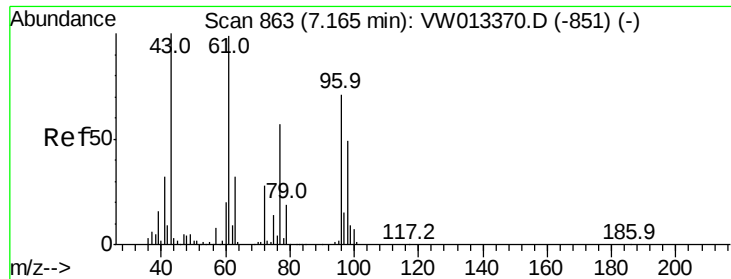
Tgt Ion: 77 Resp: 498501

Ion Ratio Lower Upper

77 100

97 25.1 11.8 35.4



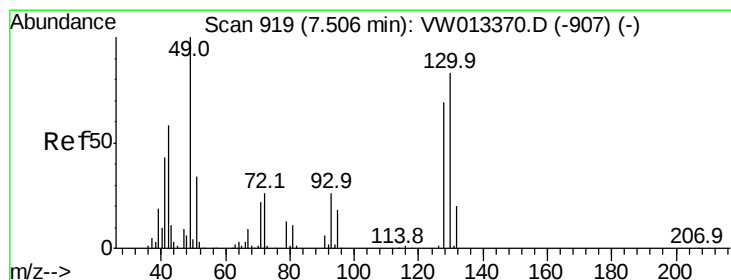
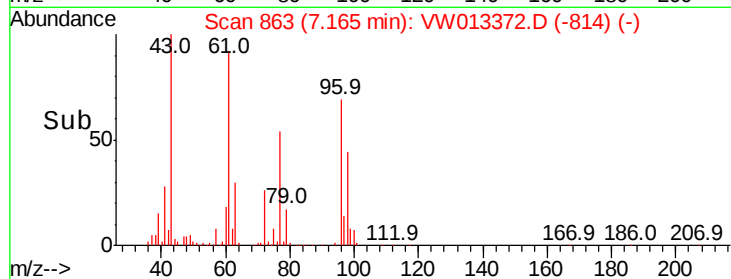
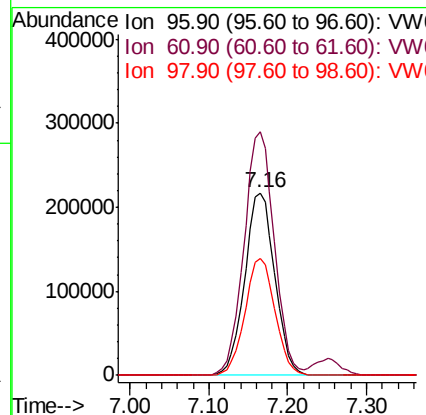
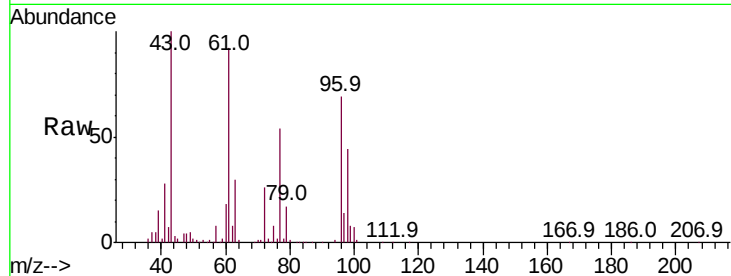


#27

cis-1,2-Dichloroethene
Concen: 149.379 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :

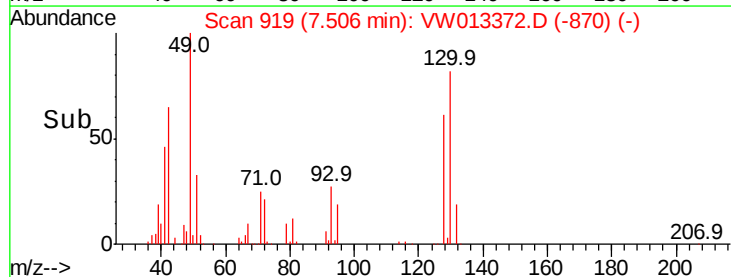
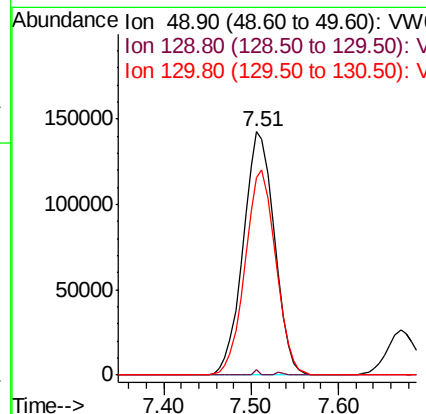
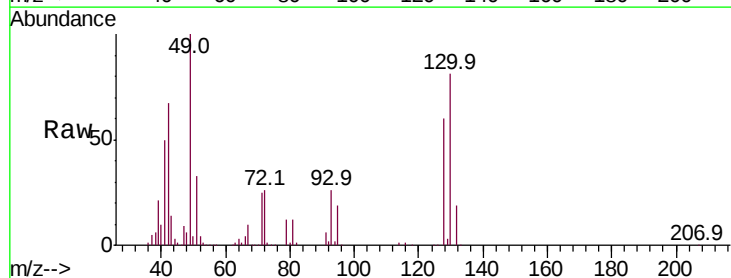
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	282.4
98	64.2	0.0	128.2

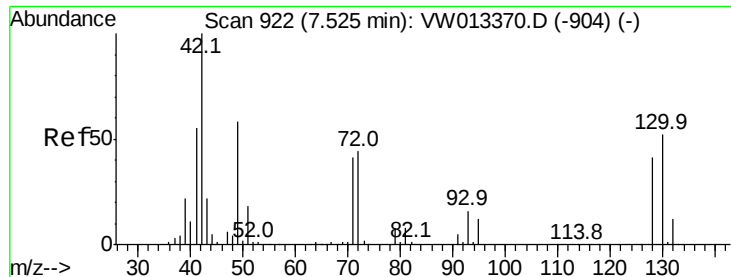


#28

Bromochloromethane
Concen: 150.322 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.0
130	82.8	63.4	95.2

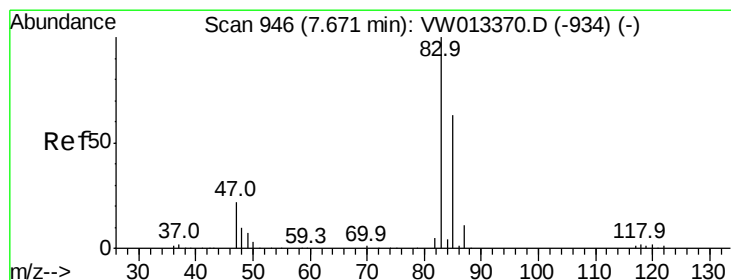
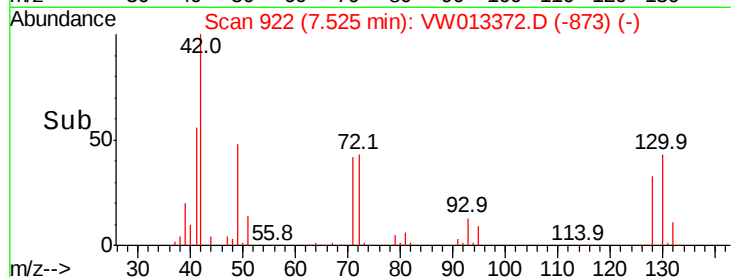
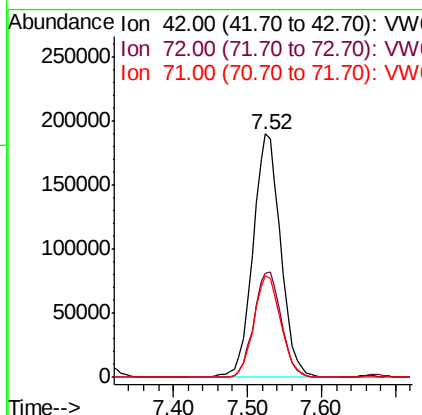
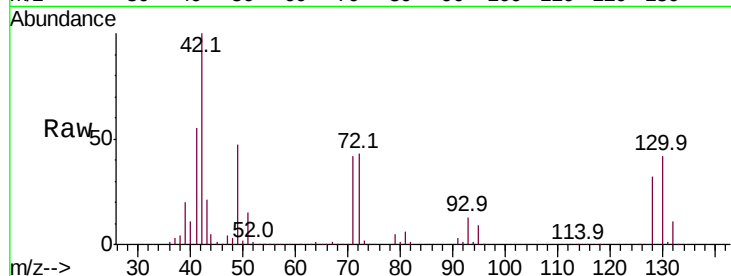




#29
Tetrahydrofuran
Concen: 802.845 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

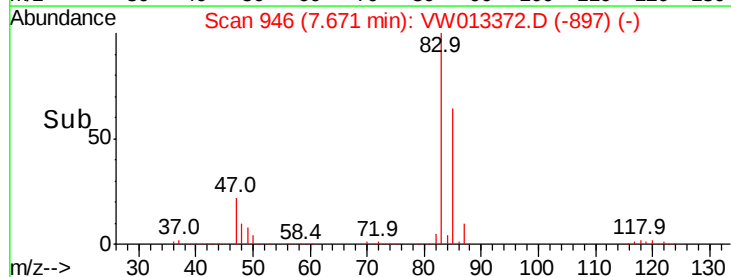
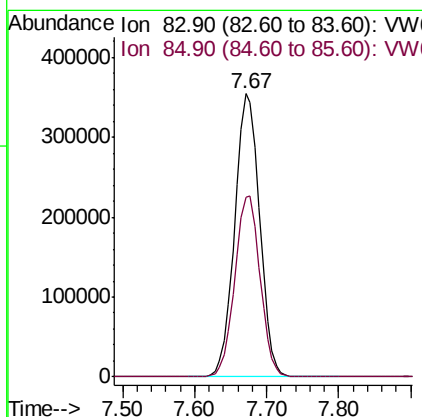
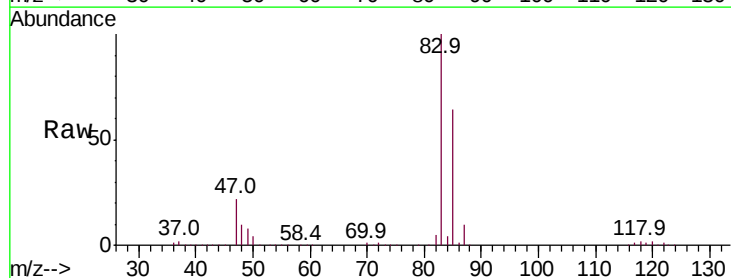
Instrument :
MSVOA_W
ClientSampled :

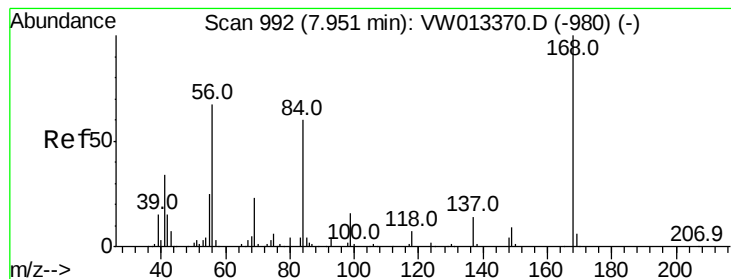
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.9	50.9
71	40.8	31.9	47.9



#30
Chloroform
Concen: 141.303 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.3	78.5





#31

Cyclohexane

Concen: 136.696 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampled :

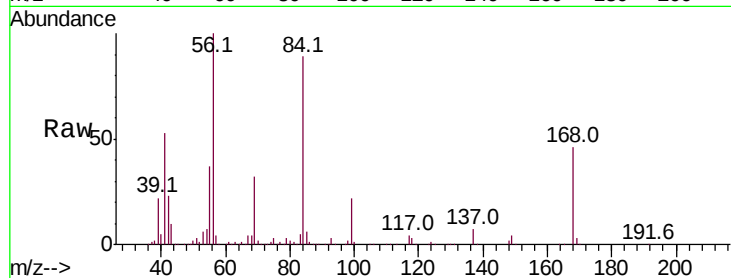
Tot Ion: 56 Resp: 876916

Ion Ratio Lower Upper

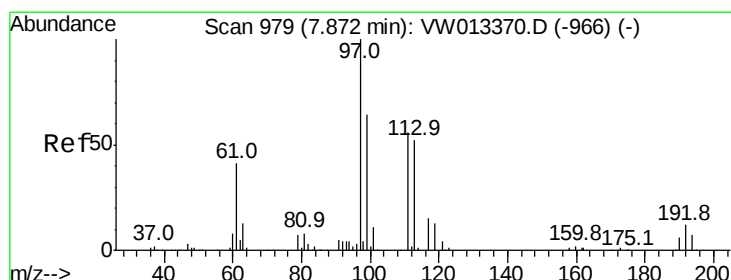
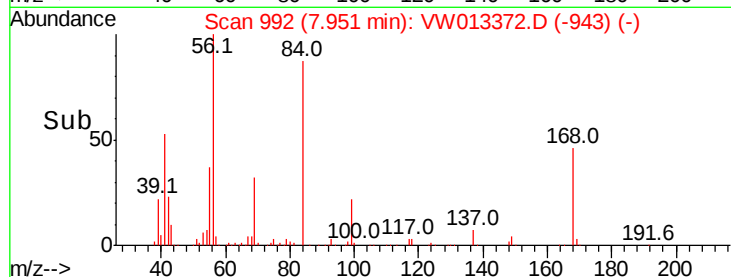
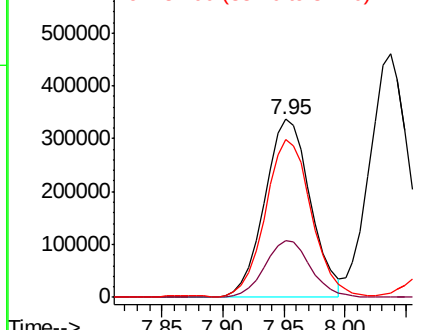
56 100

69 32.0 27.2 40.8

84 88.1 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: 138.202 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

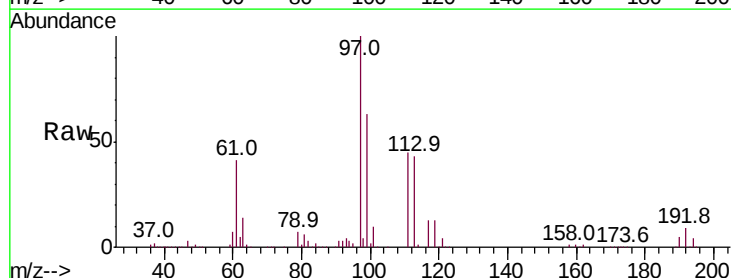
Tgt Ion: 97 Resp: 674410

Ion Ratio Lower Upper

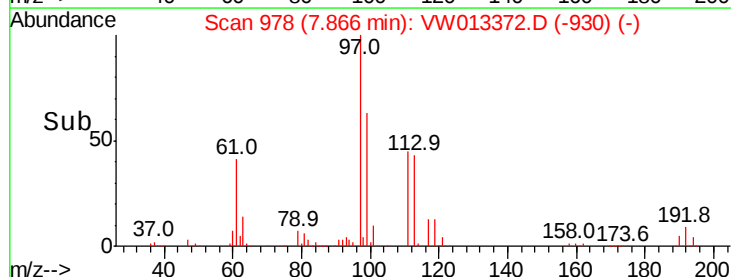
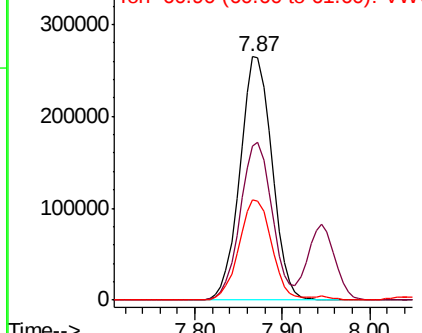
97 100

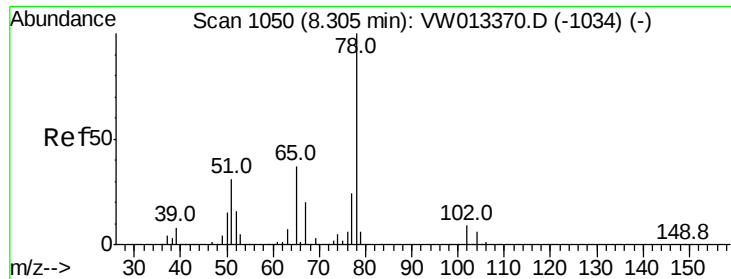
99 65.1 51.7 77.5

61 42.0 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

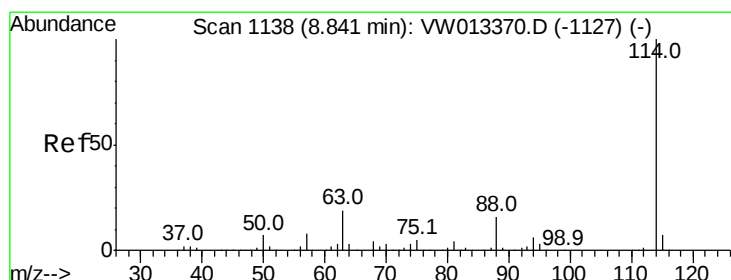
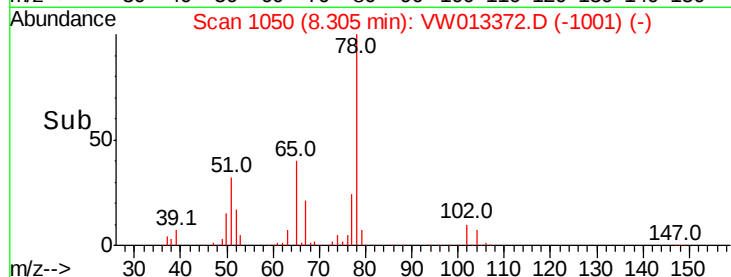
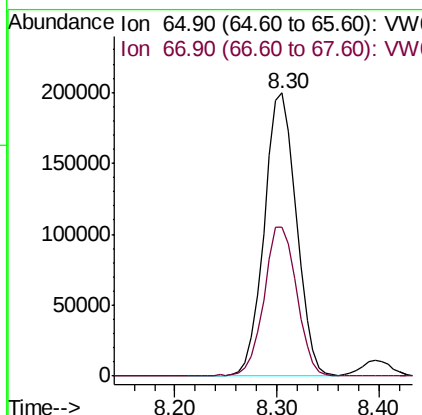
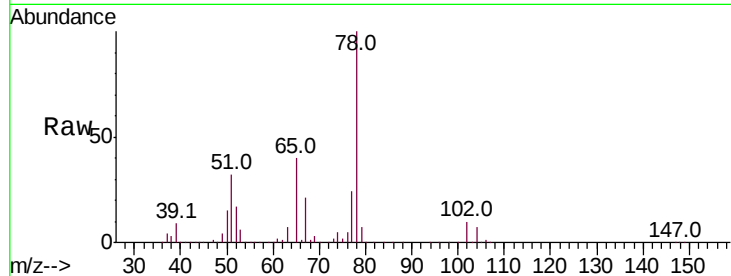




#33
 1,2-Dichloroethane-d4
 Concen: 147.278 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

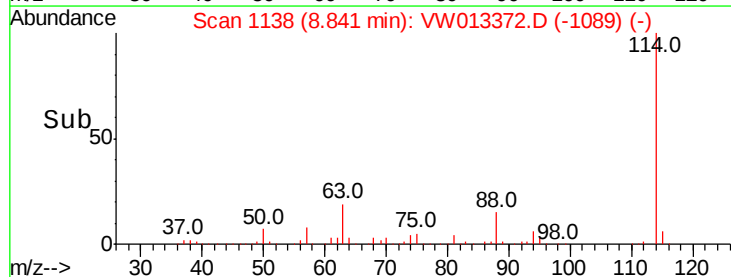
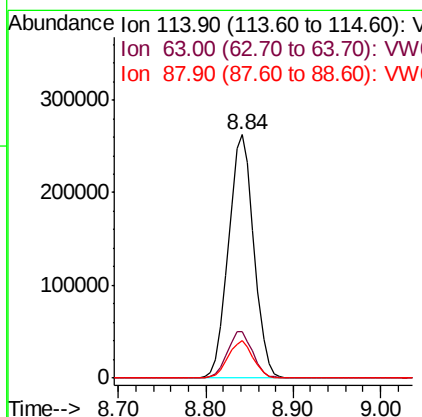
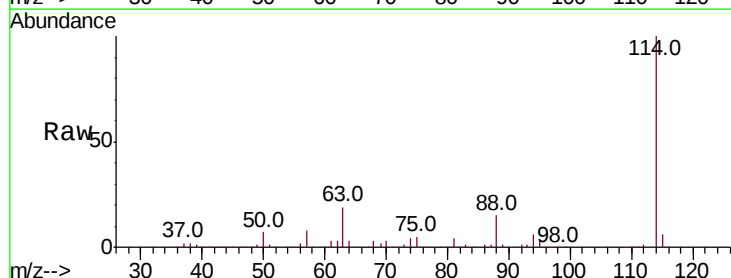
Instrument :
 MSVOA_W
 ClientSampleId :

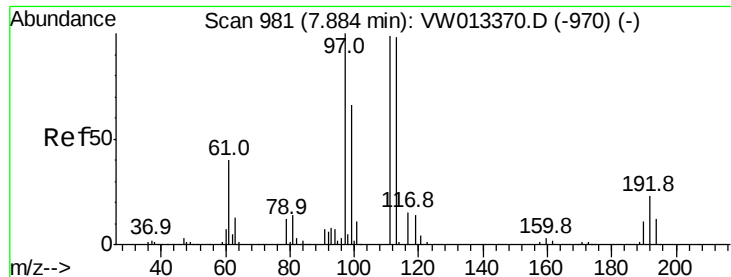
Tot Ion: 65 Resp: 435872
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion: 114 Resp: 528047
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.4 0.0 32.0

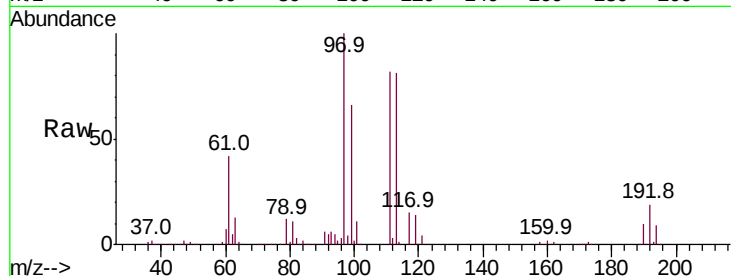




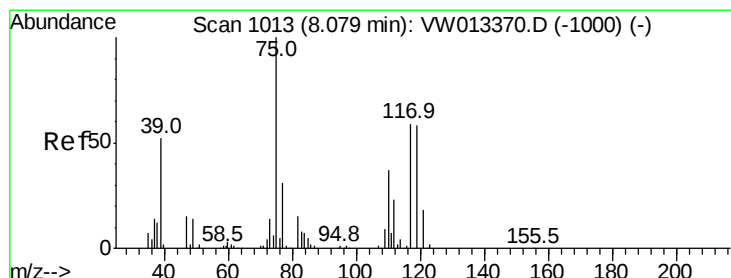
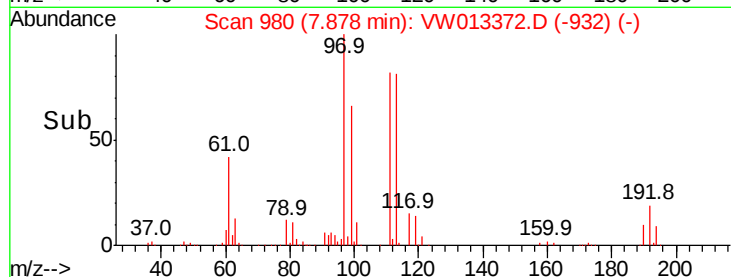
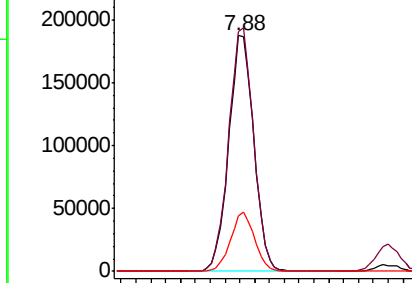
#35
 Dibromofluoromethane
 Concen: 152.089 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 441706
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 24.1 19.1 28.7

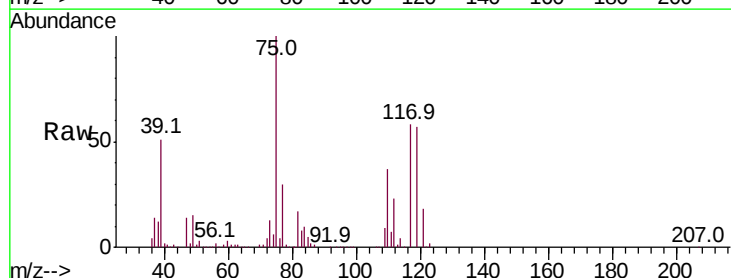


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

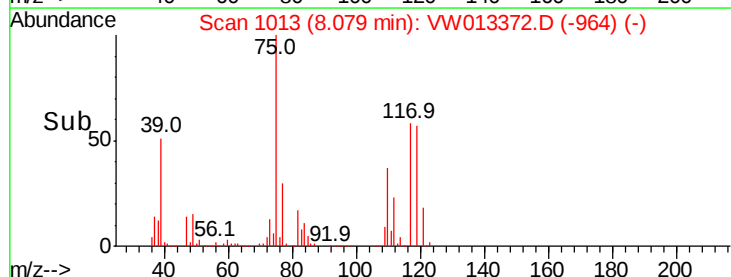
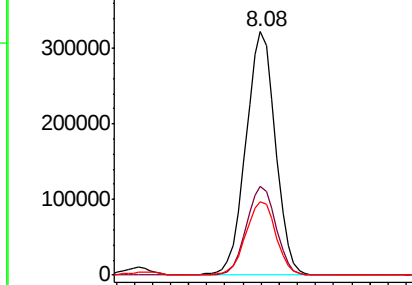


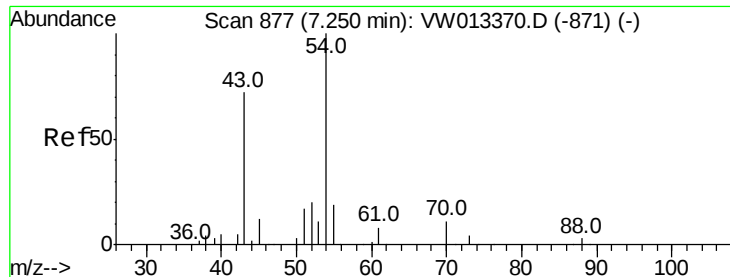
#36
 1,1-Dichloropropene
 Concen: 141.561 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion: 75 Resp: 724013
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.1 54.3
 77 31.0 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

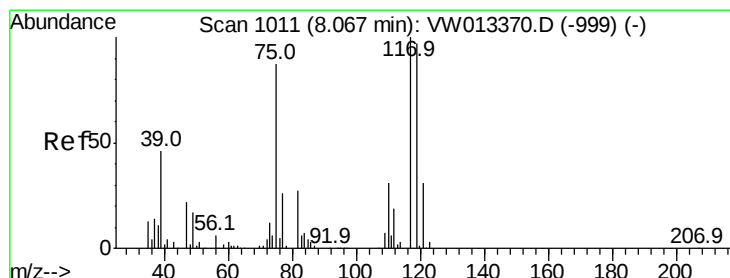
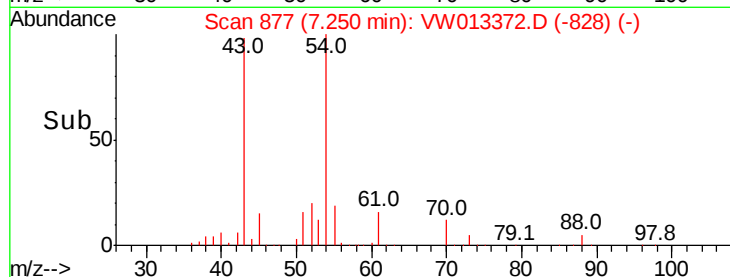
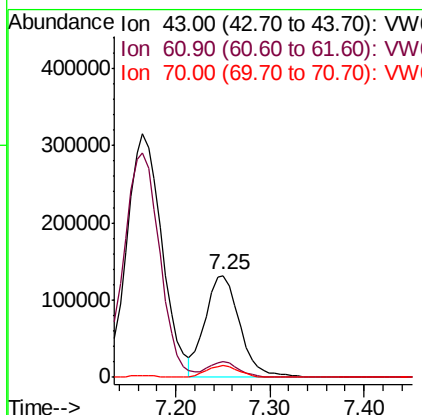
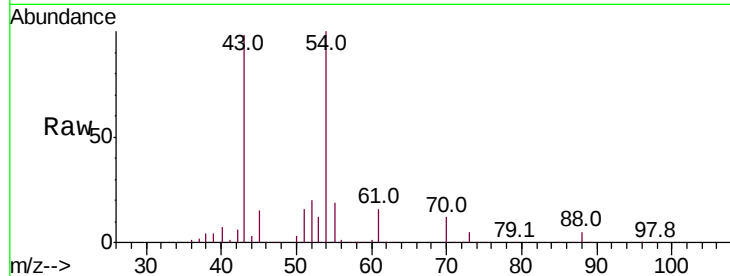




#37
Ethyl Acetate
Concen: 154.043 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

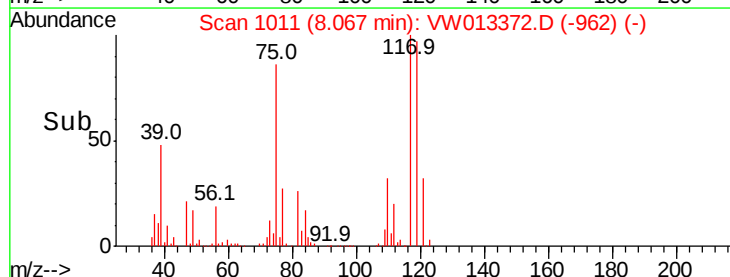
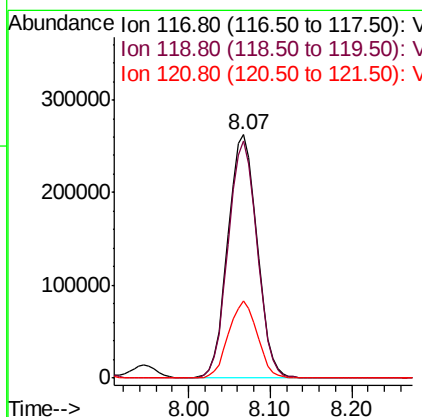
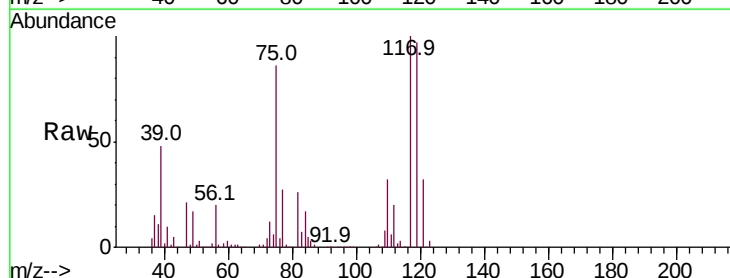
Instrument :
MSVOA_W
ClientSampled :

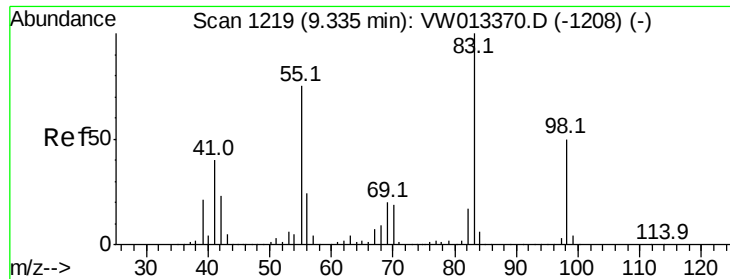
Tot Ion: 43 Resp: 334839
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 11.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 141.858 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 117 Resp: 650393
Ion Ratio Lower Upper
117 100
119 97.3 73.5 110.3
121 31.9 25.0 37.6

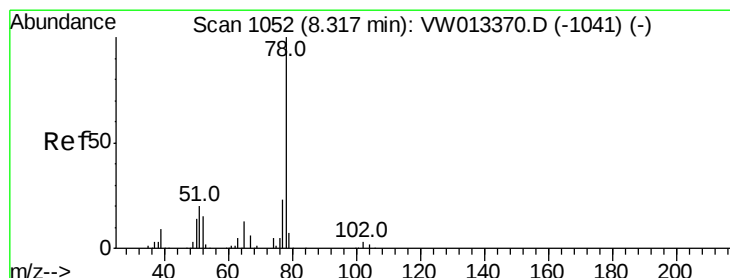
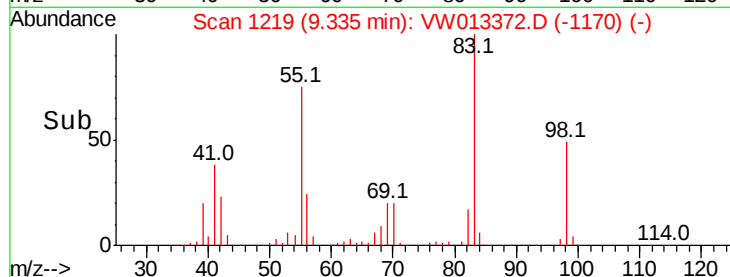
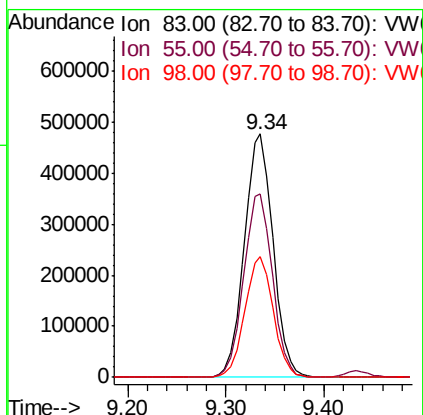
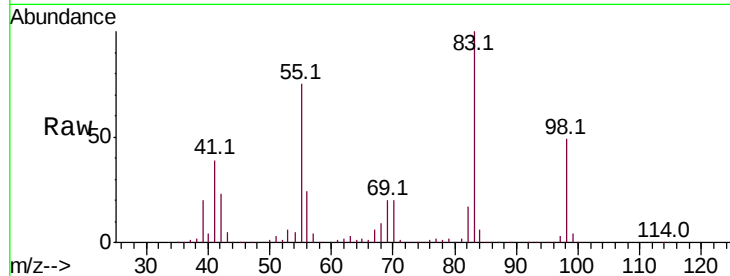




#39
Methvlcvclohexane
Concen: 147.420 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

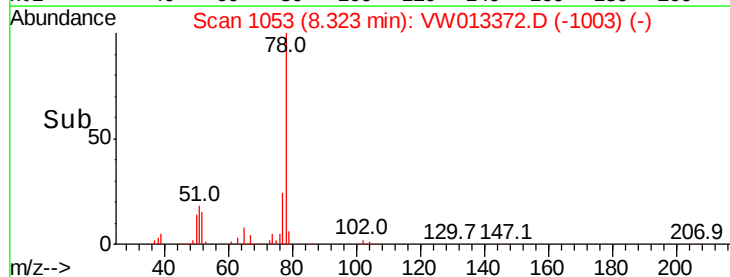
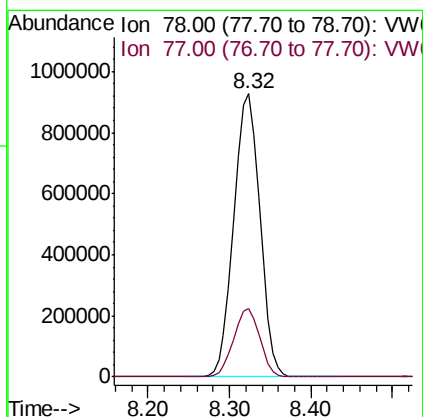
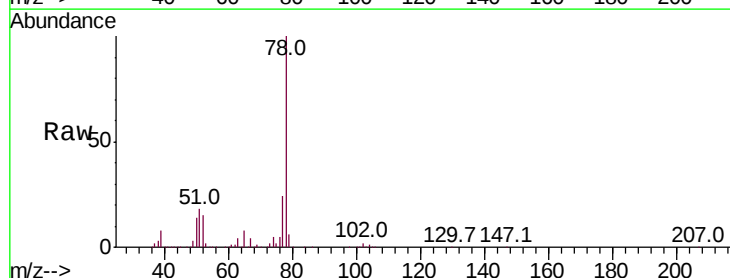
Instrument :
MSVOA_W
ClientSampleId :

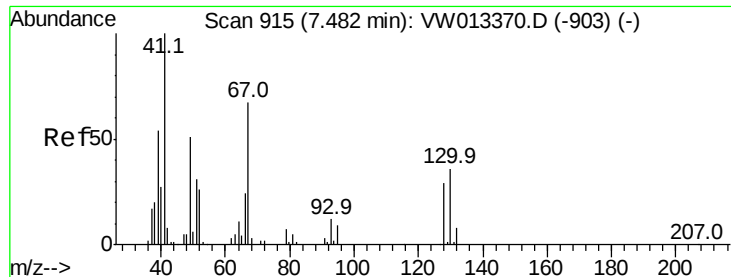
Tot Ion: 83 Resp: 968950
Ion Ratio Lower Upper
83 100
55 75.3 60.4 90.6
98 49.4 40.0 60.0



#40
Benzene
Concen: 143.864 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 78 Resp: 2052341
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

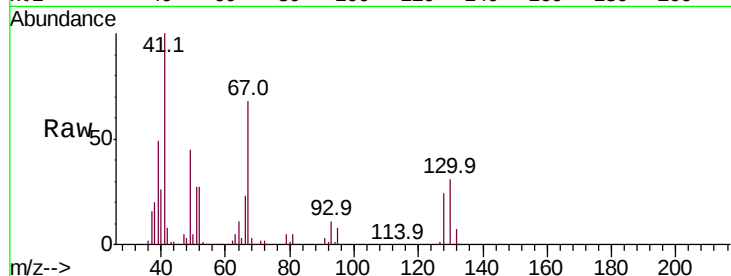




#41
Methacrylonitrile
Concen: 161.942 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	210090
Ion	Ratio	Lower	Upper
41	100		
39	50.5	45.9	68.9
67	68.7	54.5	81.7
52	26.4	22.5	33.7



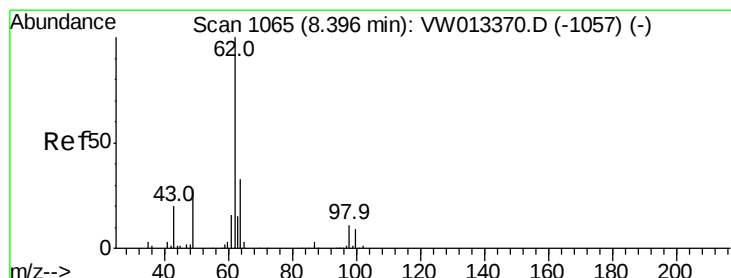
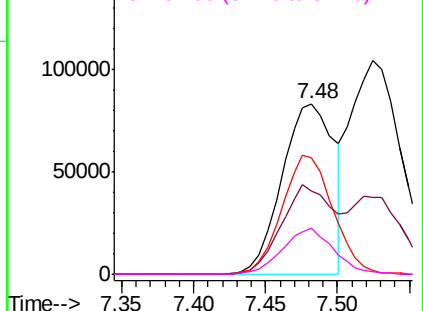
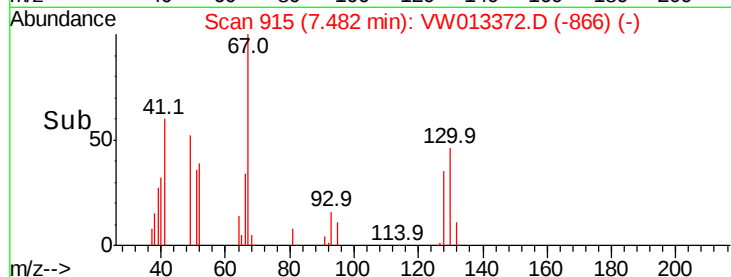
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

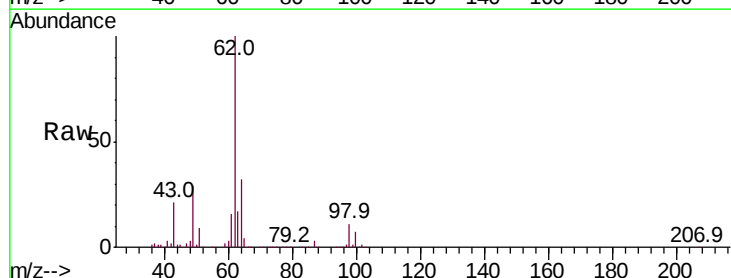
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 140.622 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

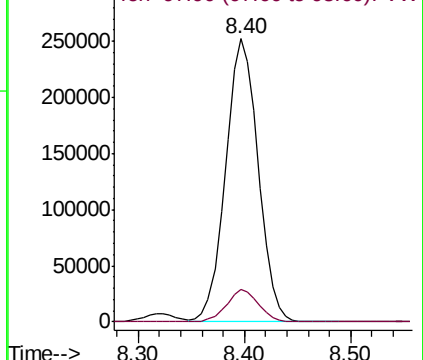
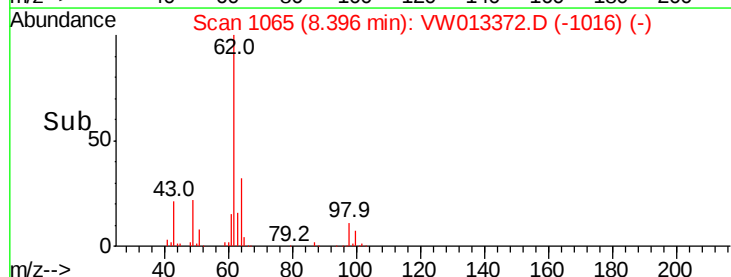
Tgt Ion:	62	Resp:	539278
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	20.6

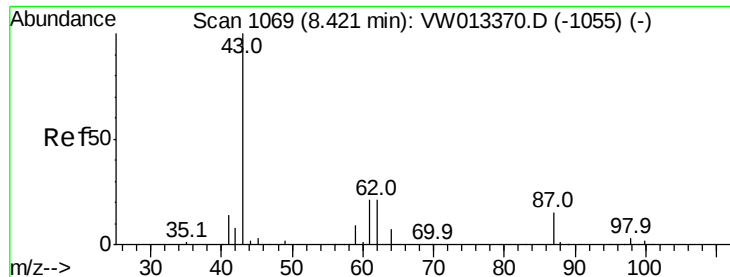


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 153.720 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :

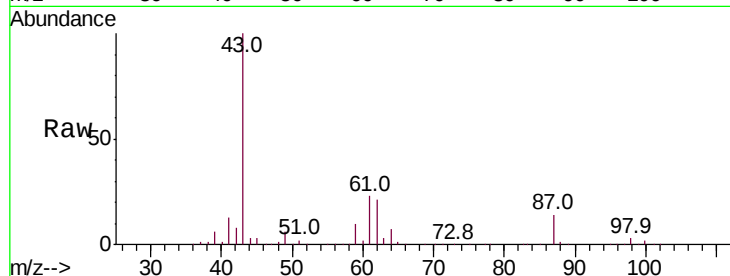
Tot Ion: 43 Resp: 640405

Ion Ratio Lower Upper

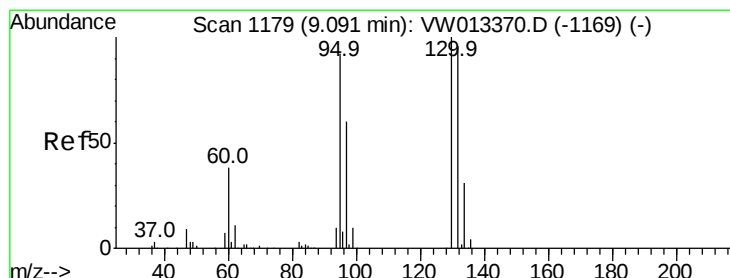
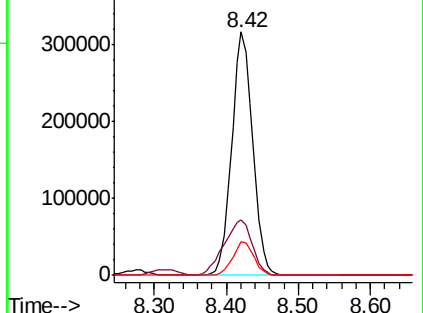
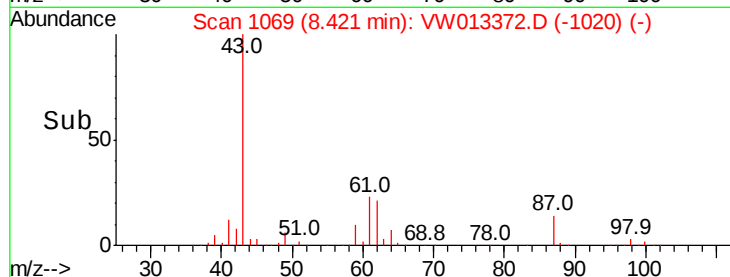
43 100

61 30.6 25.5 38.3

87 13.8 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 147.130 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013372.D

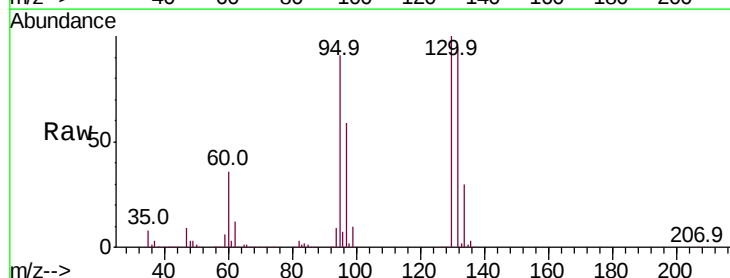
Acq: 01 Oct 2019 15:12

Tgt Ion:130 Resp: 588900

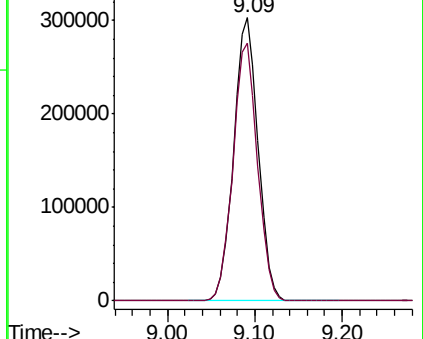
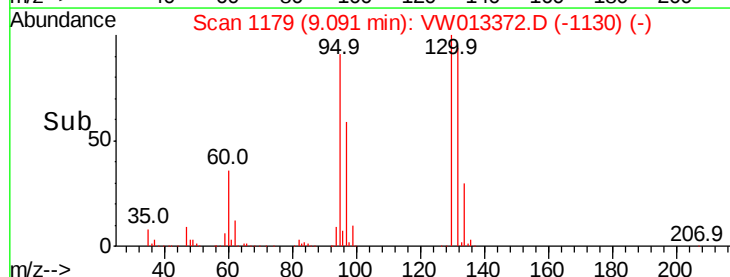
Ion Ratio Lower Upper

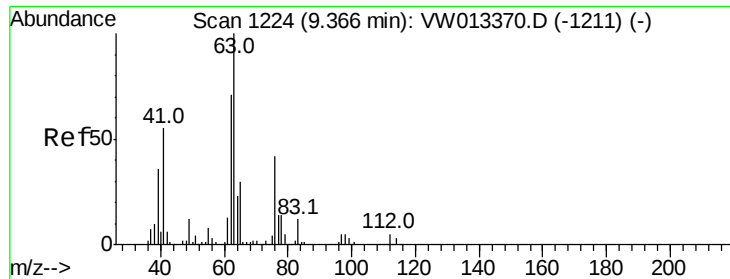
130 100

95 91.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 145.045 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

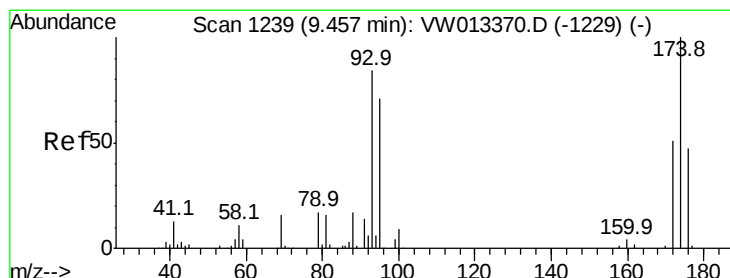
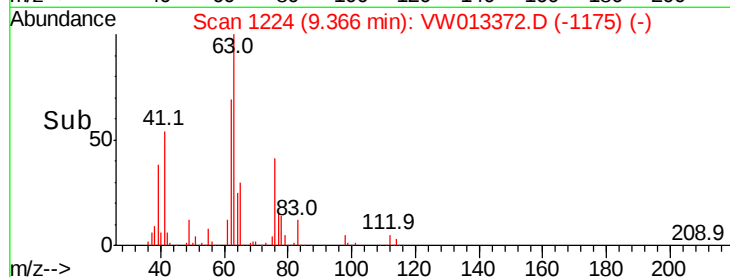
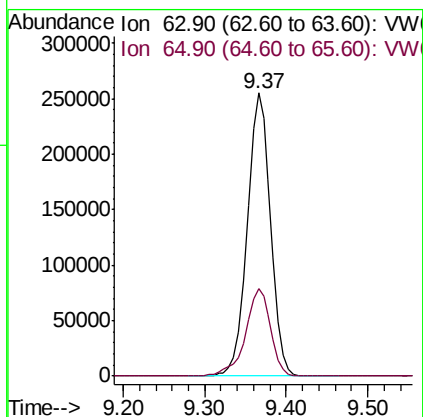
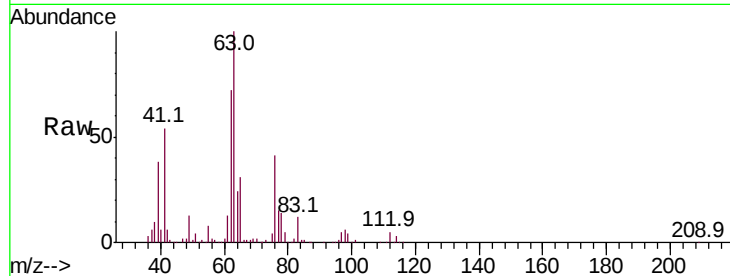
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 505177

Ion Ratio Lower Upper

63 100

65 30.8 25.3 37.9



#46

Dibromomethane

Concen: 149.815 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

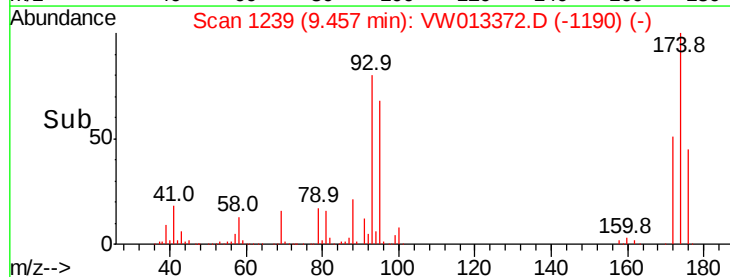
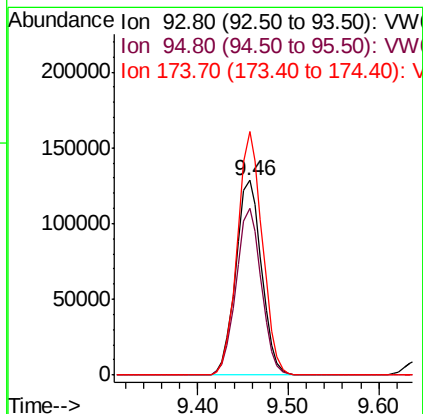
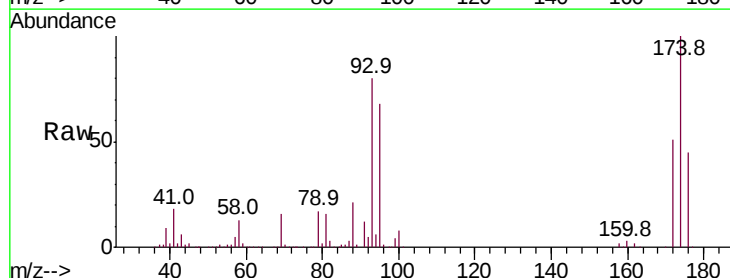
Tgt Ion: 93 Resp: 253328

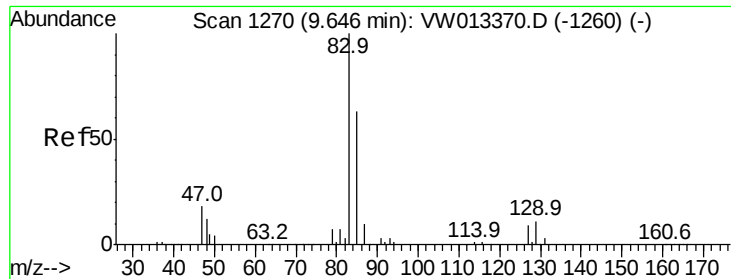
Ion Ratio Lower Upper

93 100

95 83.7 66.4 99.6

174 120.9 93.0 139.6





#47

Bromodichloromethane

Concen: 149.248 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

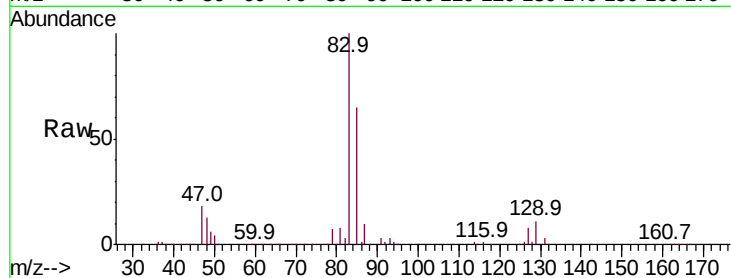
Tot Ion: 83 Resp: 642163

Ion Ratio Lower Upper

83 100

85 64.8 49.4 74.2

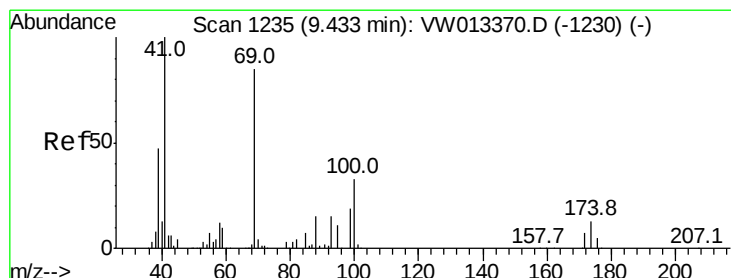
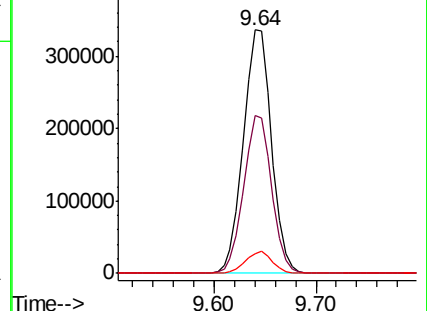
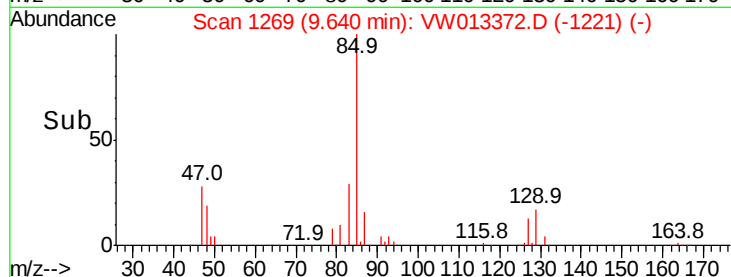
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 165.610 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

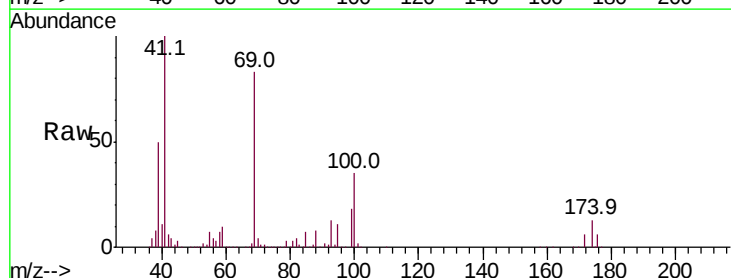
Tgt Ion: 41 Resp: 324425

Ion Ratio Lower Upper

41 100

69 85.3 69.7 104.5

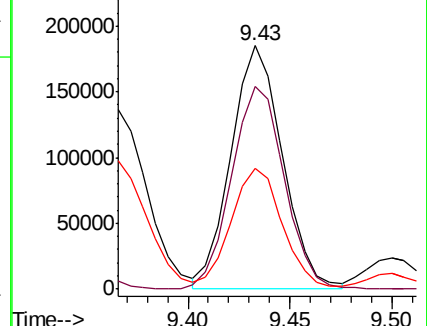
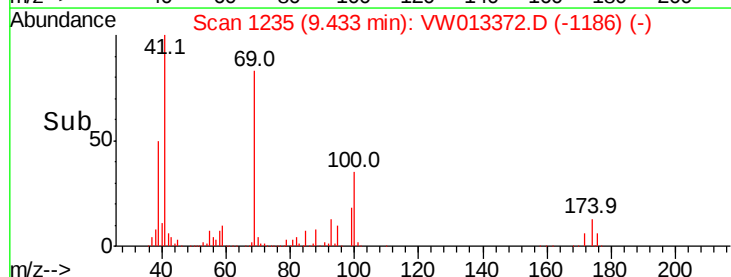
39 47.3 41.1 61.7

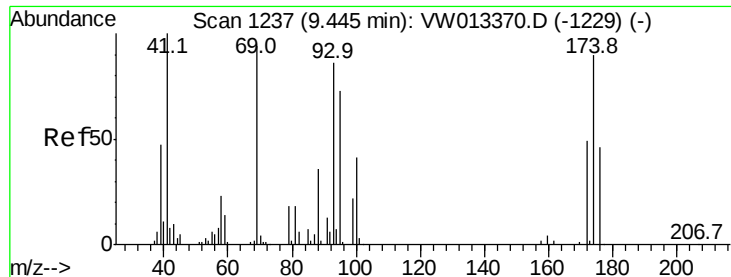


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 3087.527 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampled :

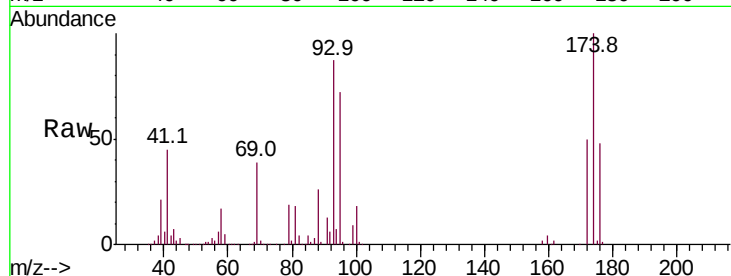
Tot Ion: 88 Resp: 78368

Ion Ratio Lower Upper

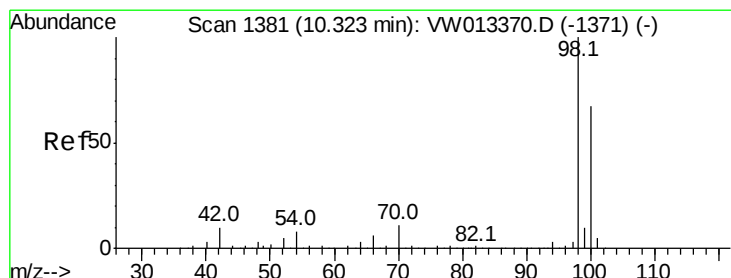
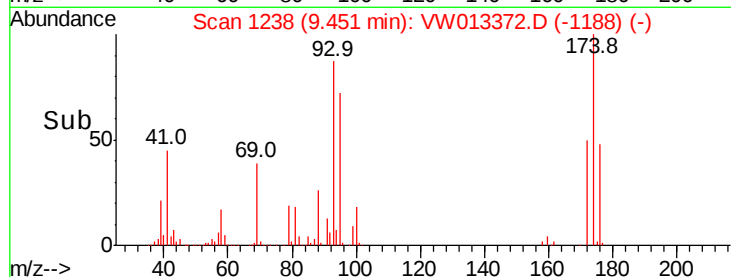
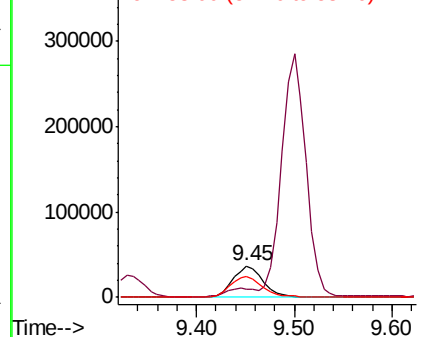
88 100

43 28.7 0.0 0.0#

58 72.0 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: 151.060 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013372.D

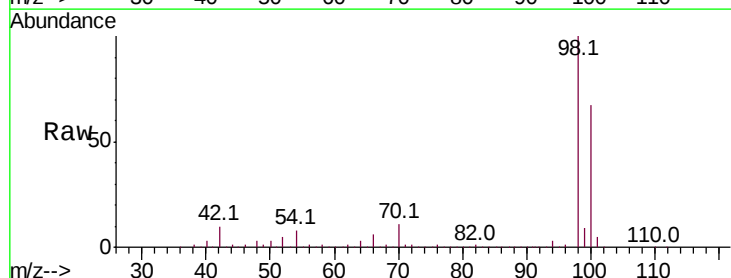
Acq: 01 Oct 2019 15:12

Tgt Ion: 98 Resp: 1836088

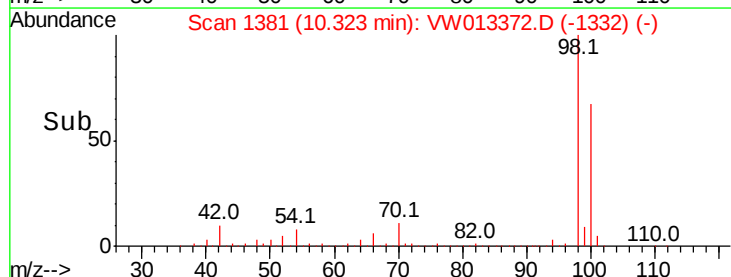
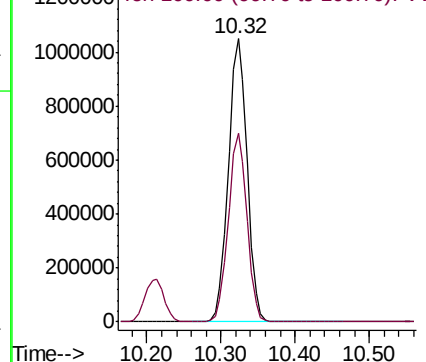
Ion Ratio Lower Upper

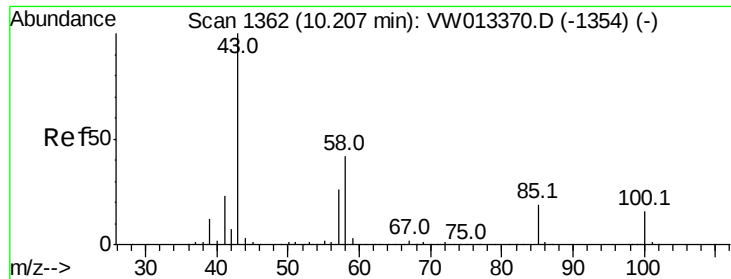
98 100

100 66.1 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: 775.360 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

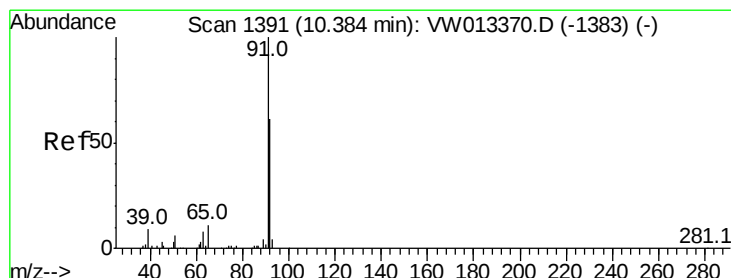
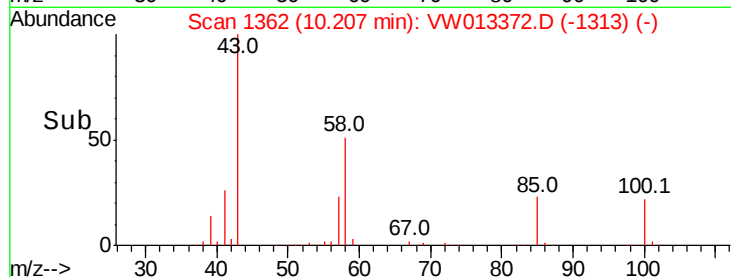
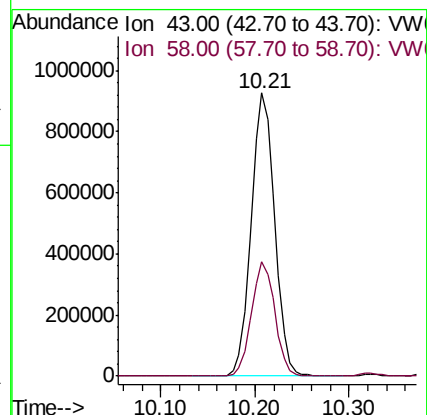
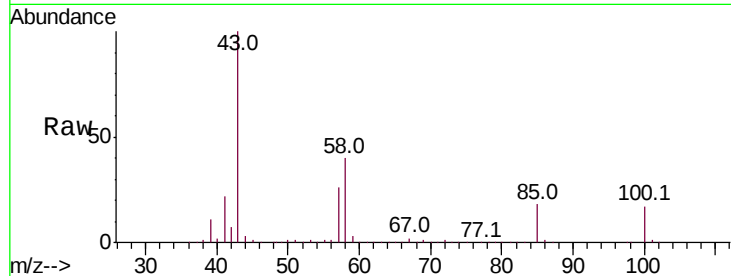
ClientSampled :

Tot Ion: 43 Resp: 1619357

Ion Ratio Lower Upper

43 100

58 40.3 31.7 47.5



#52

Toluene

Concen: 145.675 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013372.D

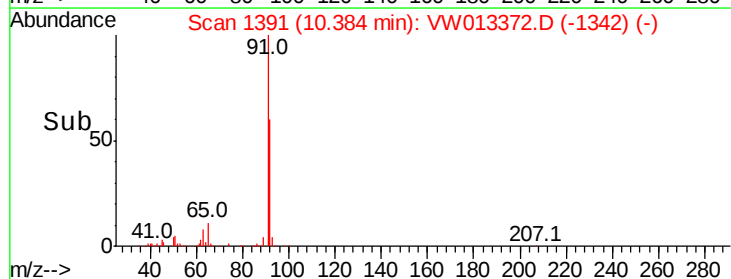
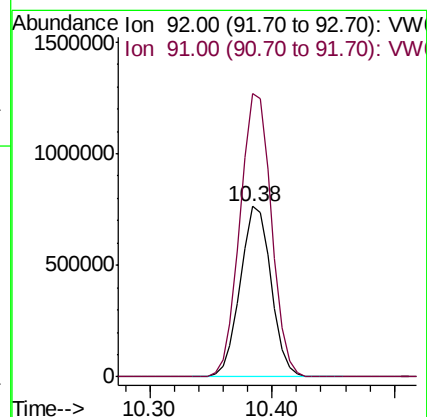
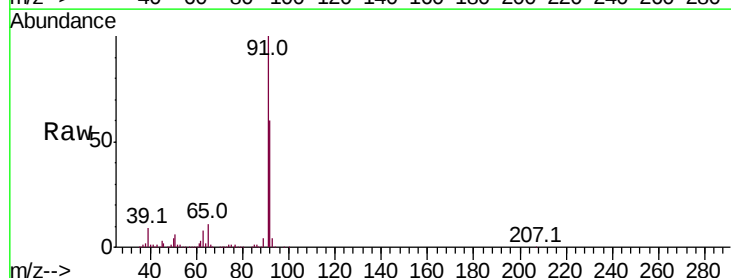
Acq: 01 Oct 2019 15:12

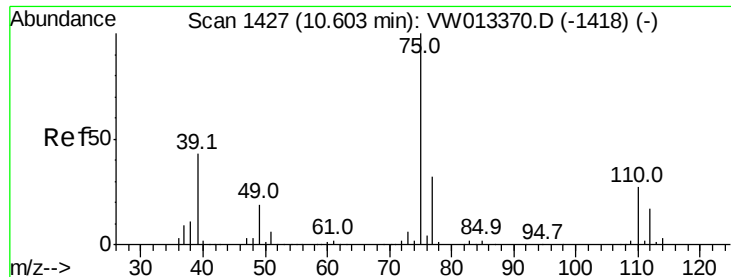
Tgt Ion: 92 Resp: 1331892

Ion Ratio Lower Upper

92 100

91 169.8 135.7 203.5

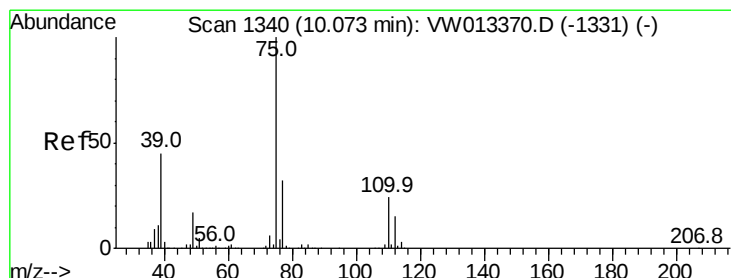
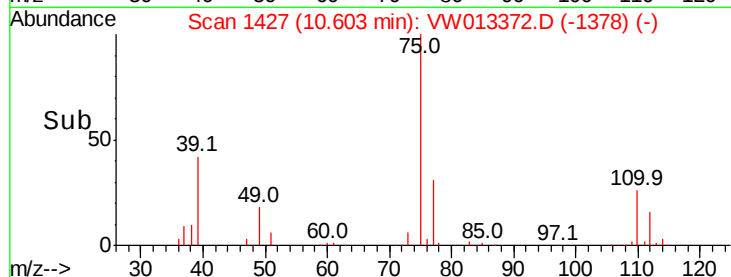
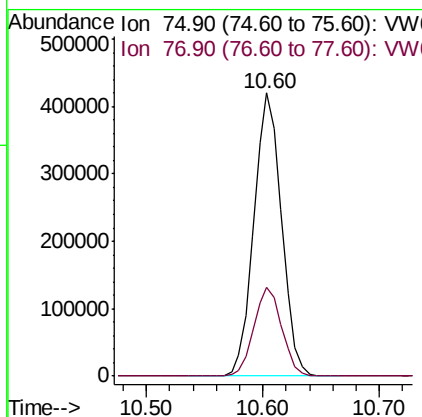
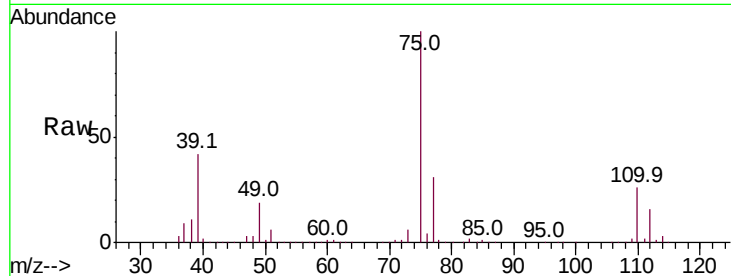




#53
t-1,3-Dichloropropene
Concen: 157.674 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

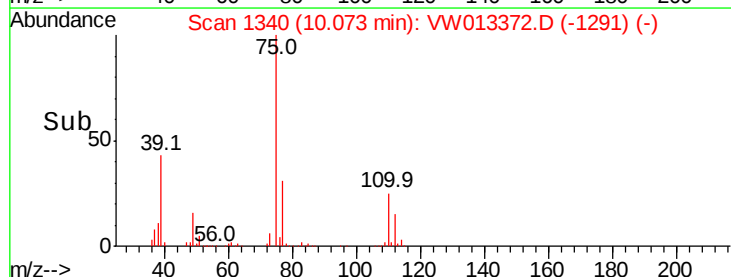
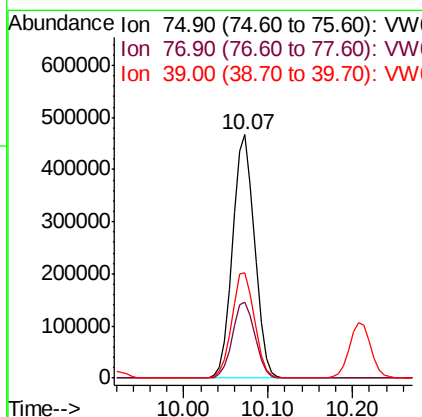
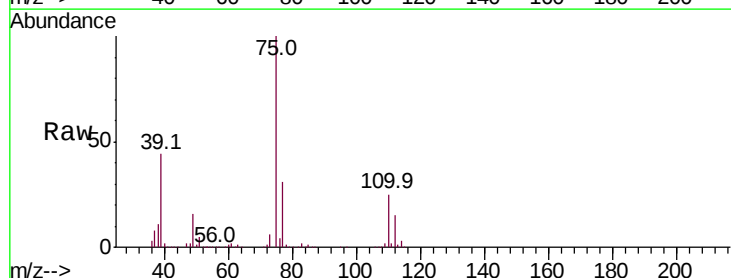
Instrument :
MSVOA_W
ClientSampleId :

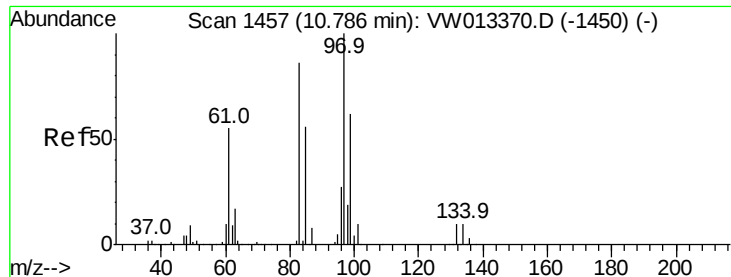
Tot Ion: 75 Resp: 697005
Ion Ratio Lower Upper
75 100
77 31.3 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 152.905 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 75 Resp: 821837
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
39 43.5 36.6 55.0



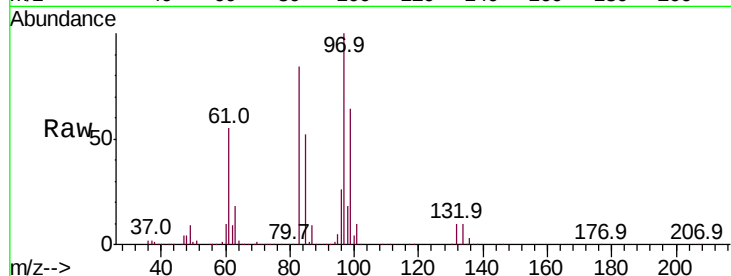


#55
 1,1,2-Trichloroethane
 Concen: 149.704 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

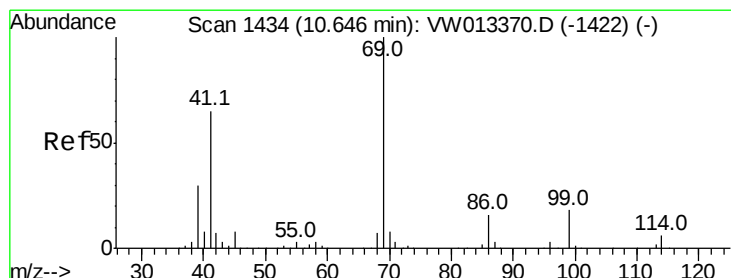
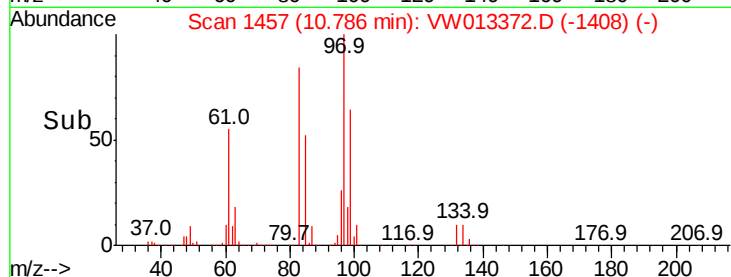
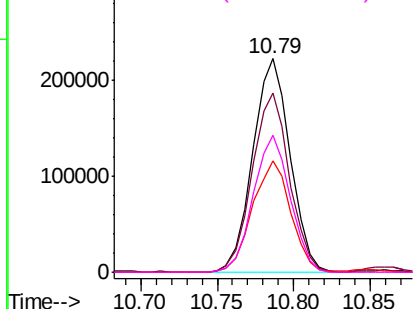
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 378363

Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.6	101.4
85	51.9	41.9	62.9
99	64.4	50.1	75.1



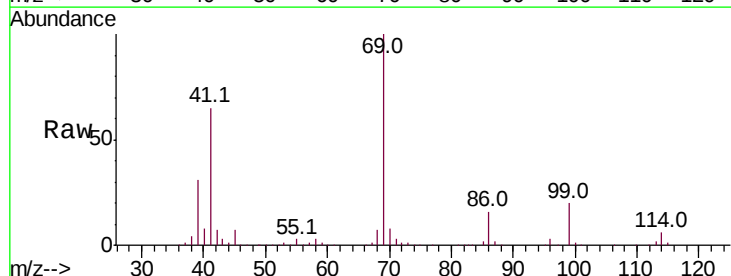
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



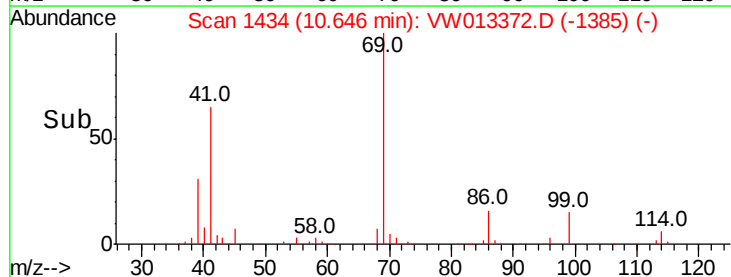
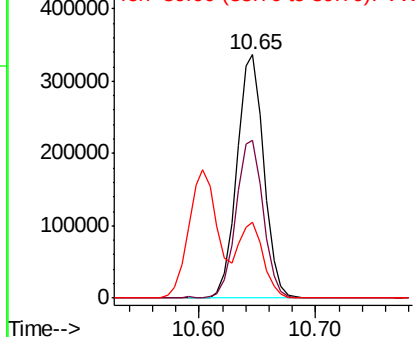
#56
 Ethyl methacrylate
 Concen: 164.060 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

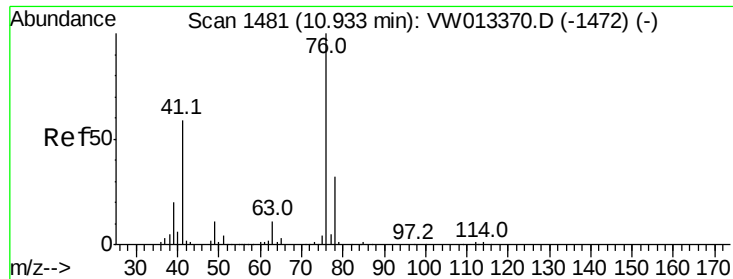
Tgt Ion: 69 Resp: 542661

Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.9	80.9
39	28.0	23.8	35.6



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 150.153 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

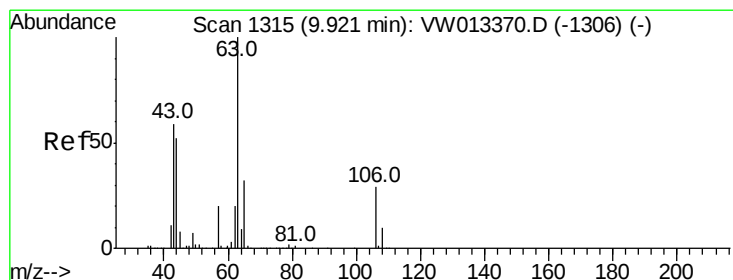
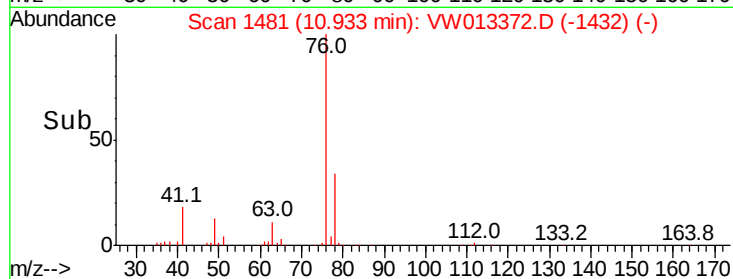
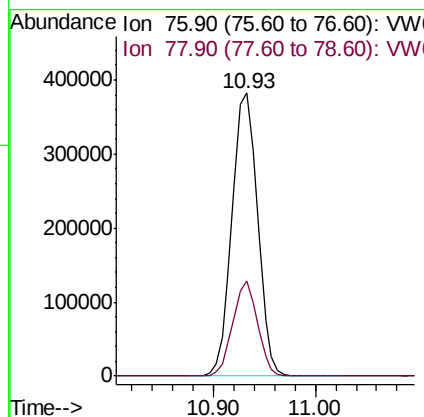
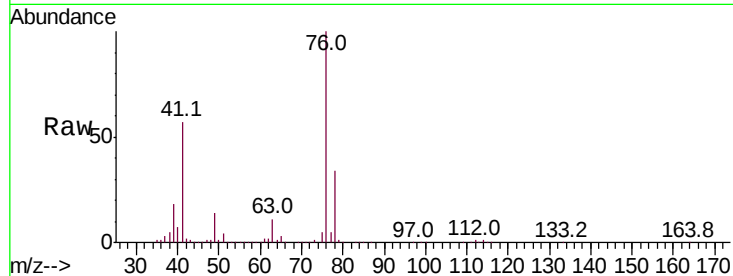
Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 662241

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 731.884 ug/l

RT: 9.92 min Scan# 1315

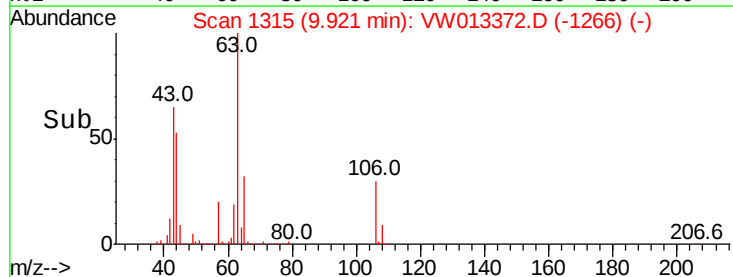
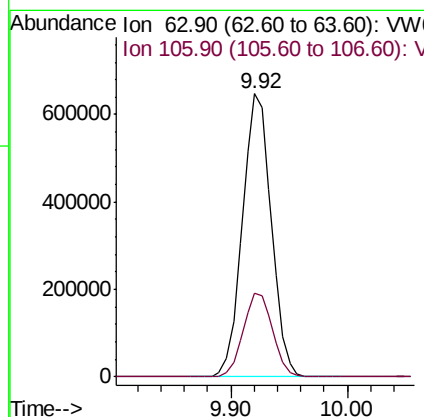
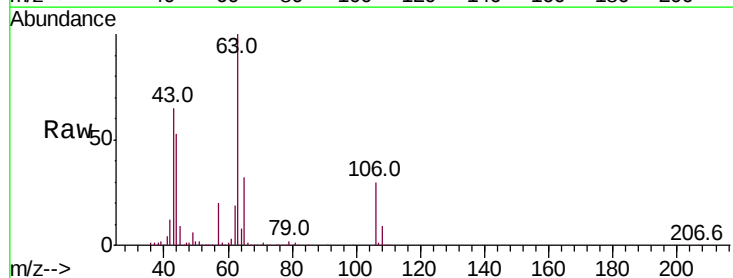
Delta R.T. 0.00 min

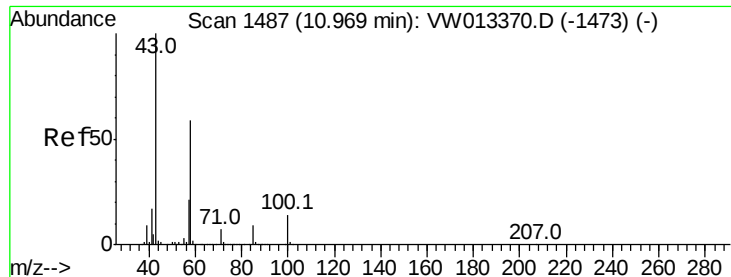
Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion: 63 Resp: 1120721

Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.4	35.0





#59

2-Hexanone

Concen: 823.360 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

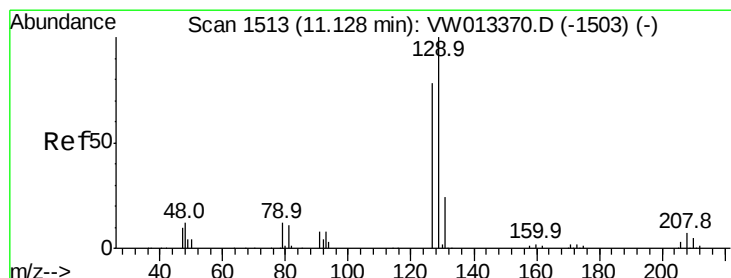
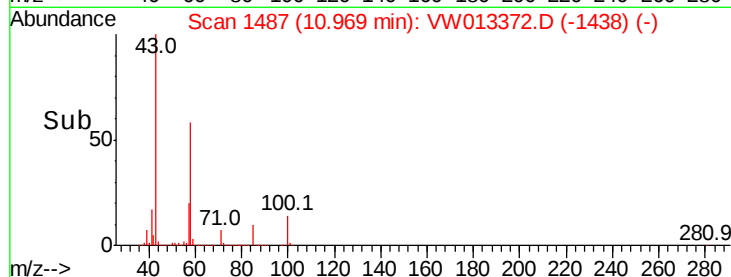
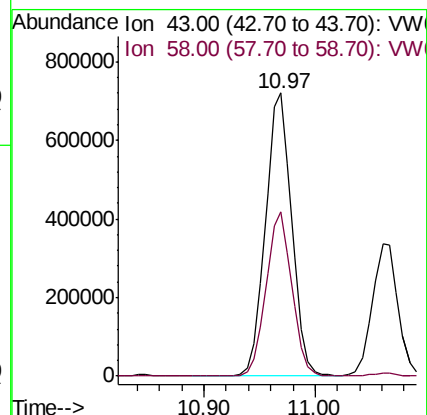
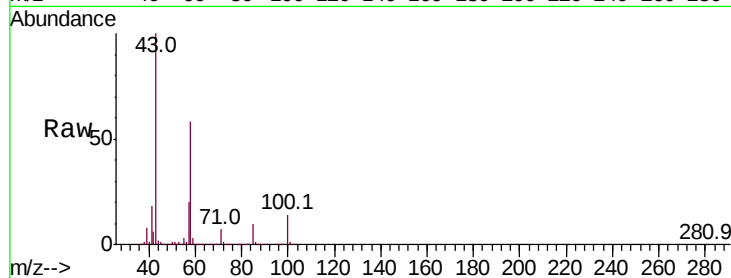
ClientSampleId :

Tot Ion: 43 Resp: 1183084

Ion Ratio Lower Upper

43 100

58 57.2 28.1 84.2



#60

Dibromochloromethane

Concen: 160.274 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013372.D

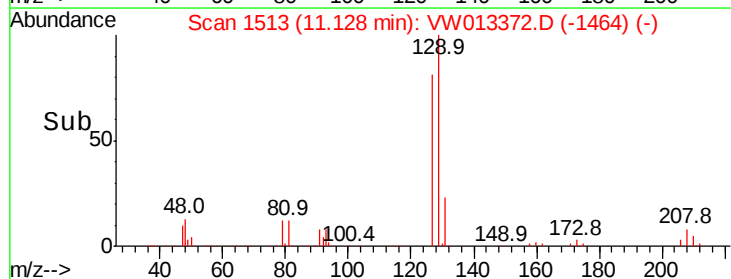
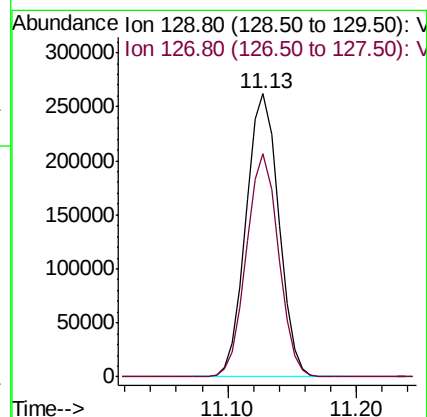
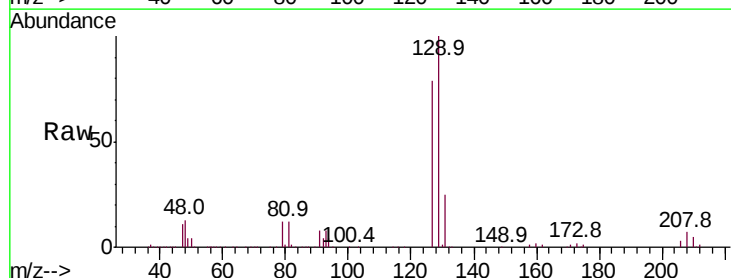
Acq: 01 Oct 2019 15:12

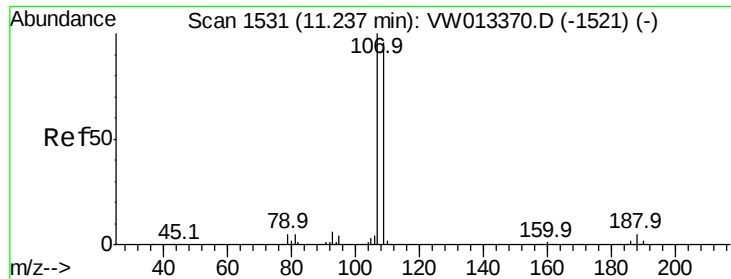
Tgt Ion: 129 Resp: 459961

Ion Ratio Lower Upper

129 100

127 77.3 38.8 116.4

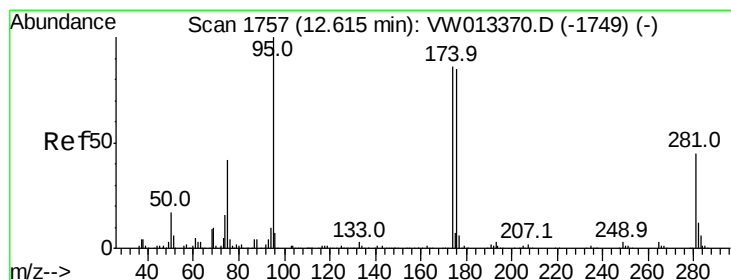
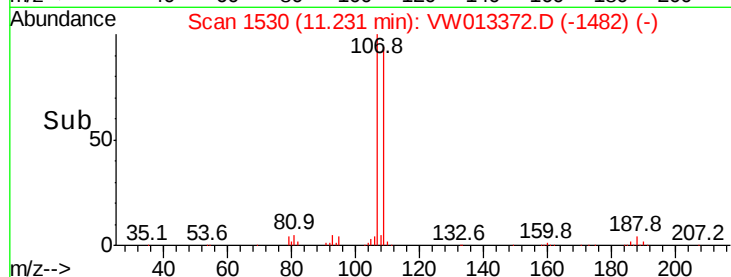
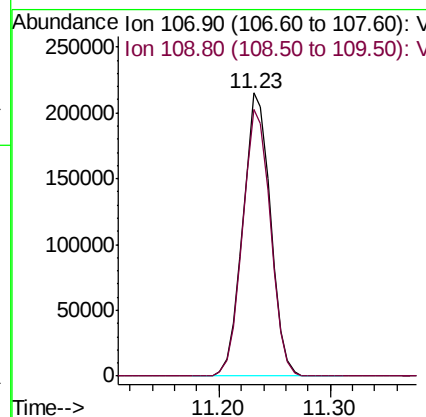
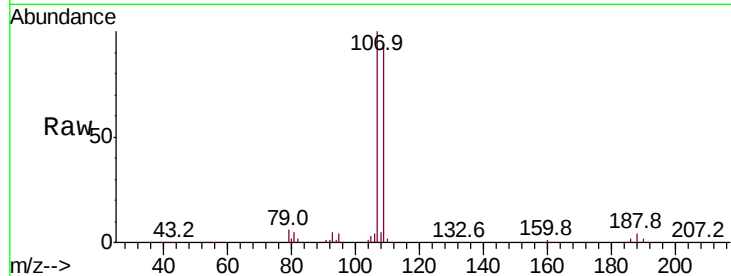




#61
 1,2-Dibromoethane
 Concen: 153.631 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

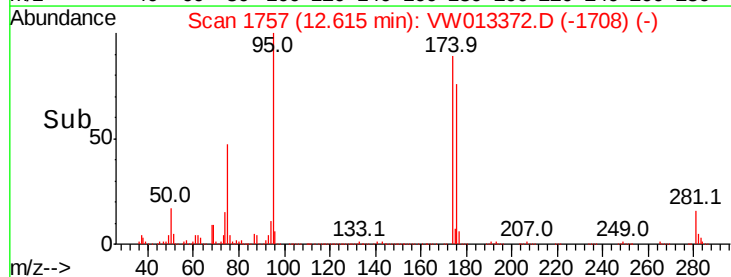
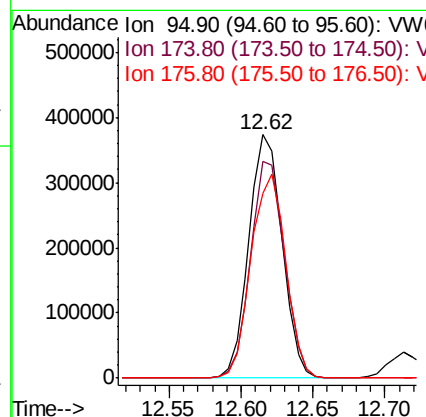
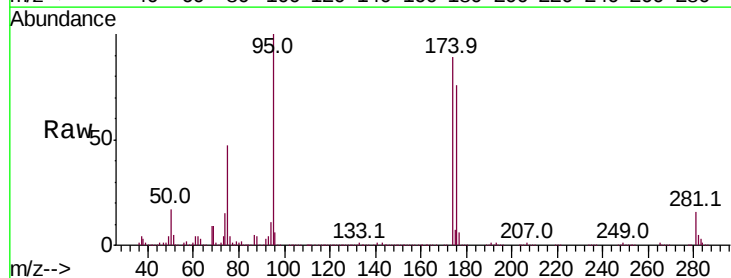
Instrument :
 MSVOA_W
 ClientSampleId :

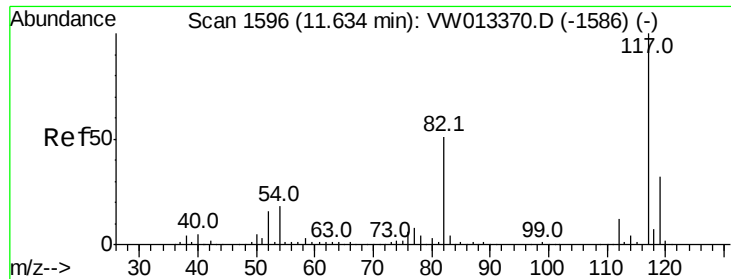
Tot Ion:107 Resp: 369181
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 143.935 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion: 95 Resp: 597608
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 178.4
 176 86.9 0.0 172.2

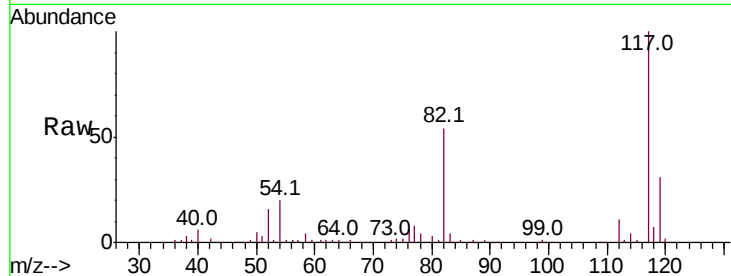




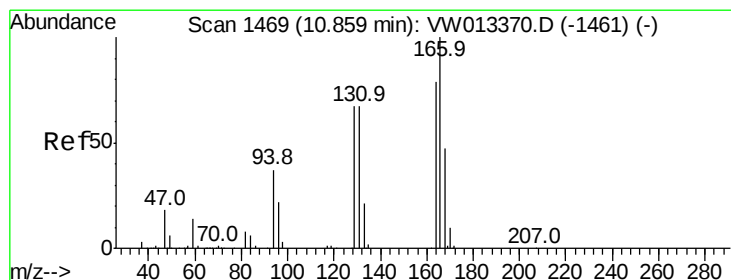
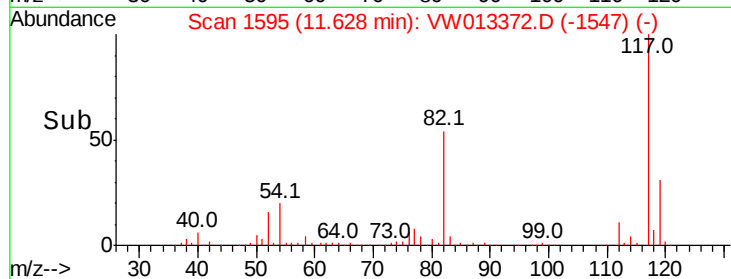
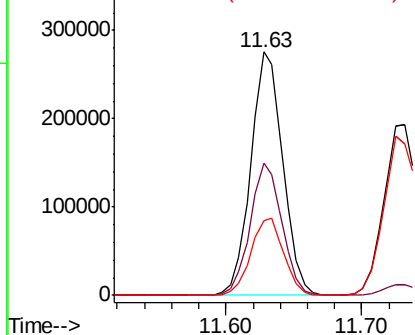
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 455218
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 30.8 26.2 39.2

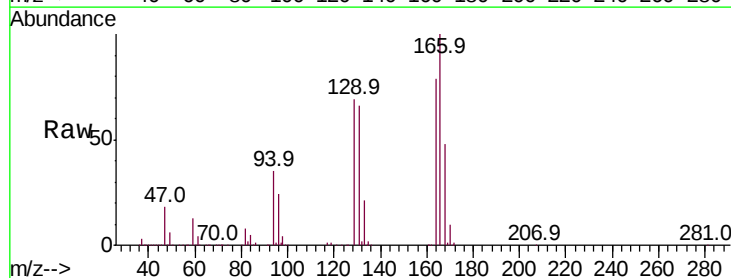


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

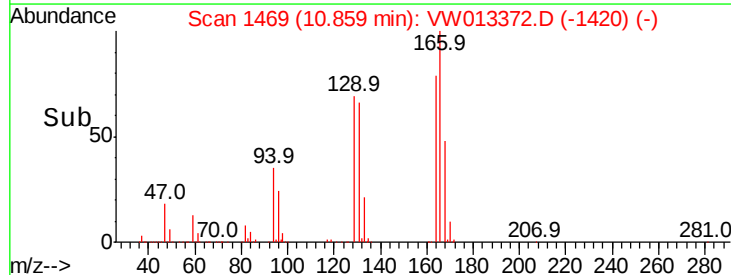
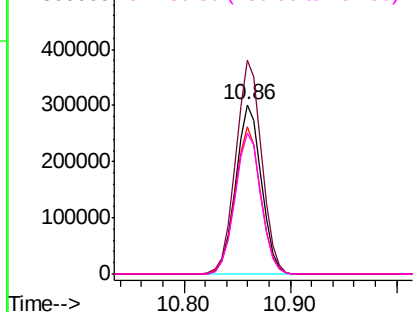


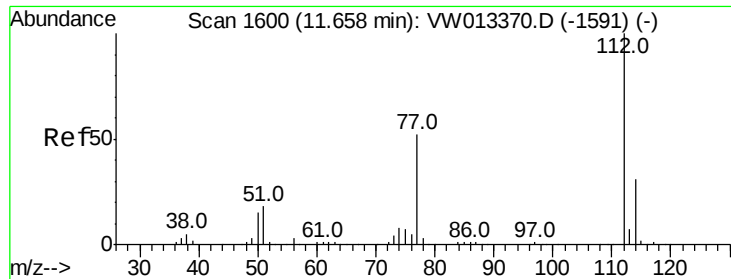
#64
Tetrachloroethene
Concen: 147.566 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion:164 Resp: 509677
Ion Ratio Lower Upper
164 100
166 126.3 101.2 151.8
129 86.8 68.8 103.2
131 83.5 65.2 97.8



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

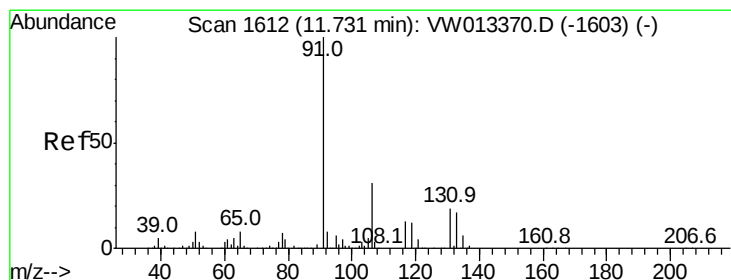
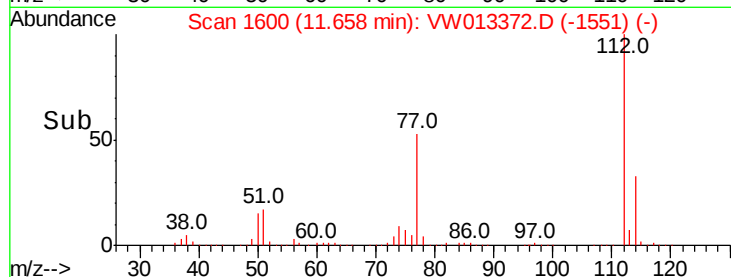
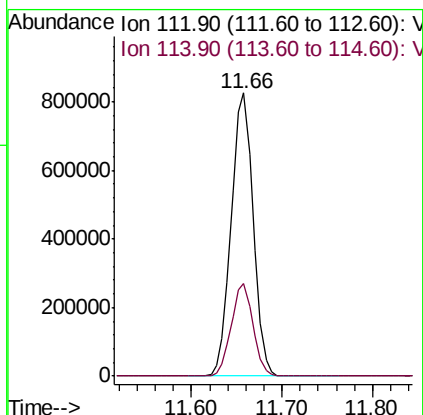
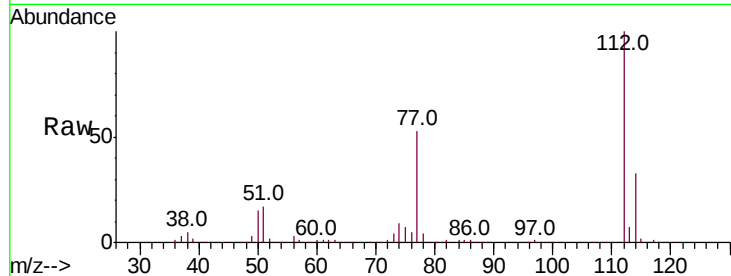




#65
Chlorobenzene
Concen: 145.974 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

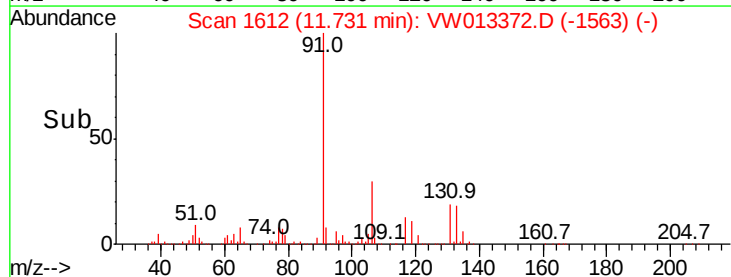
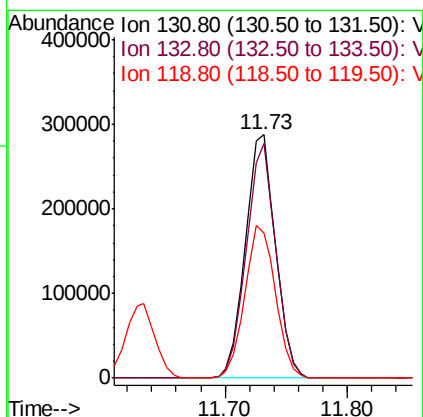
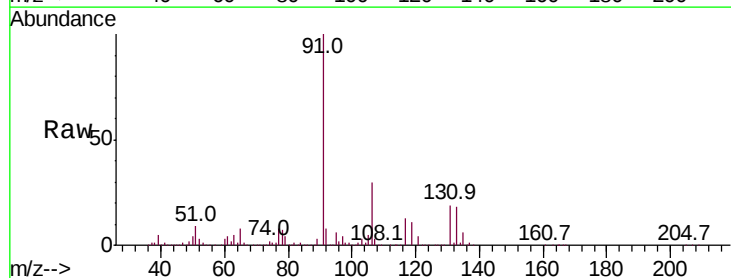
Instrument :
MSVOA_W
ClientSampled :

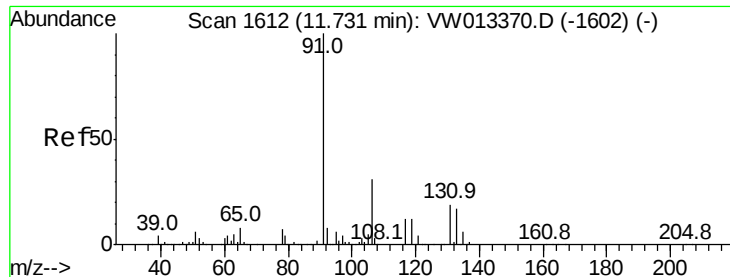
Tot Ion:112 Resp: 1387611
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 152.259 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion:131 Resp: 494463
Ion Ratio Lower Upper
131 100
133 94.4 47.5 142.6
119 63.5 32.5 97.5

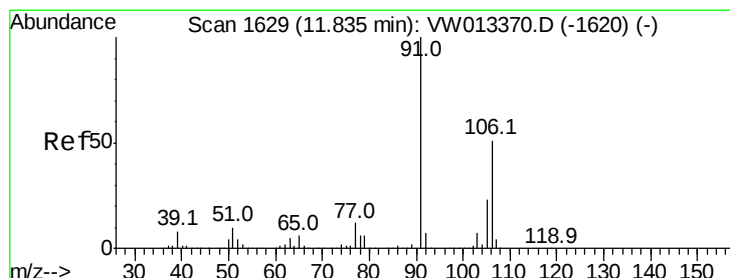
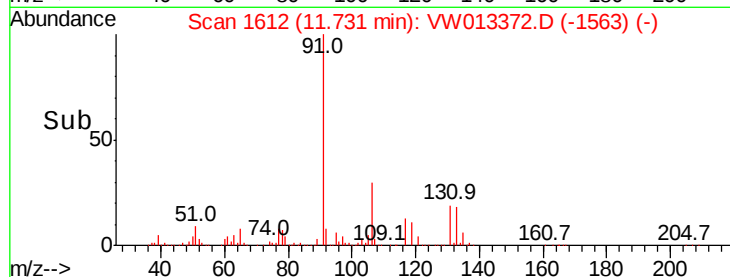
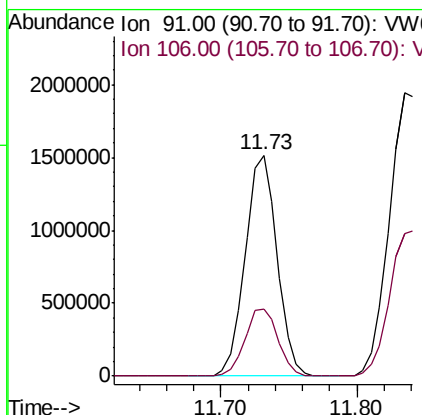
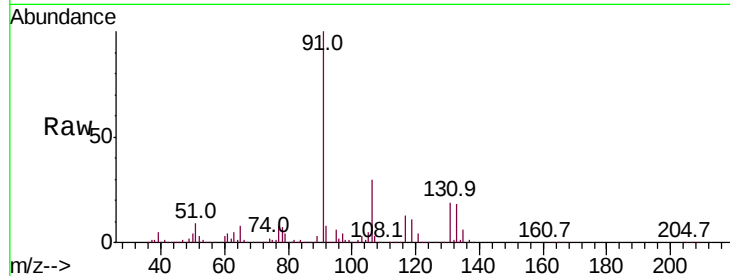




#67
Ethyl Benzene
Concen: 144.201 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

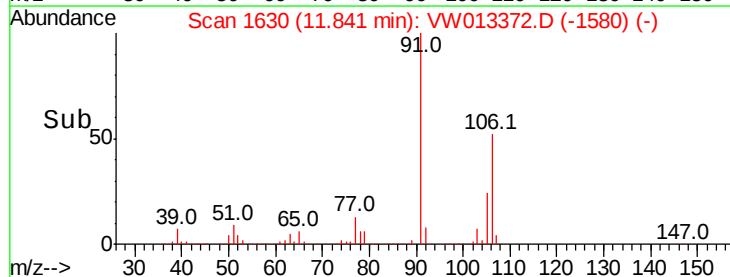
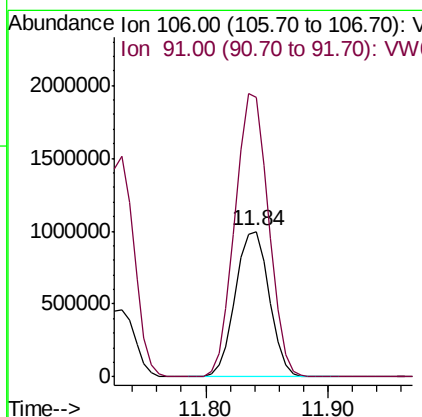
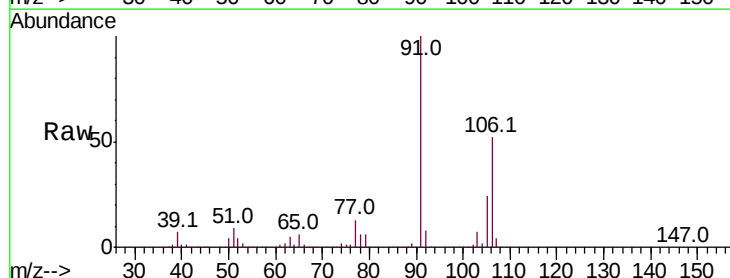
Instrument :
MSVOA_W
ClientSampled :

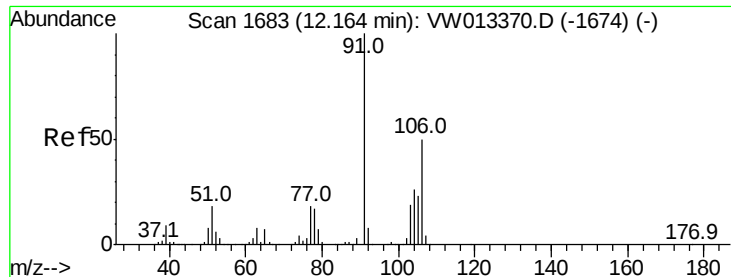
Tot Ion: 91 Resp: 2483655
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3



#68
m/p-Xylenes
Concen: 292.743 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion:106 Resp: 1921348
Ion Ratio Lower Upper
106 100
91 193.2 157.9 236.9

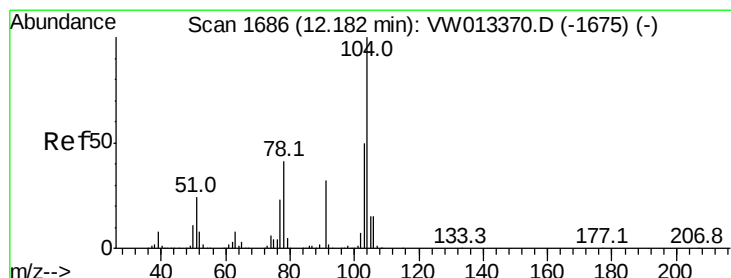
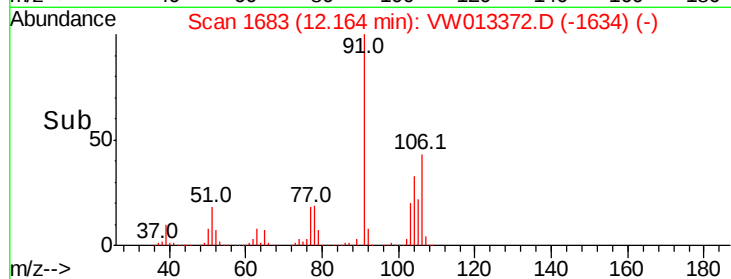
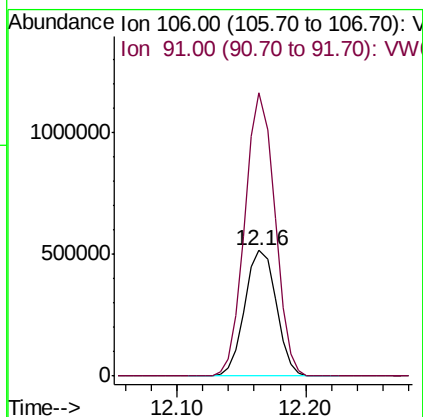
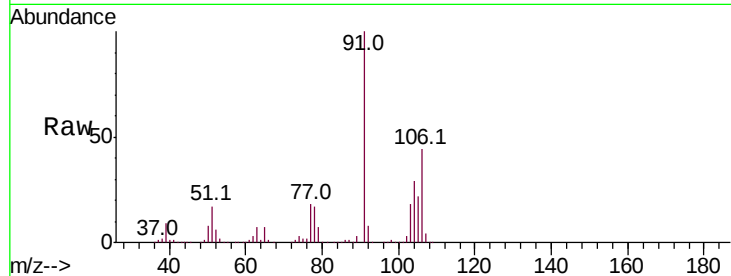




#69
o-Xylene
Concen: 142.454 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

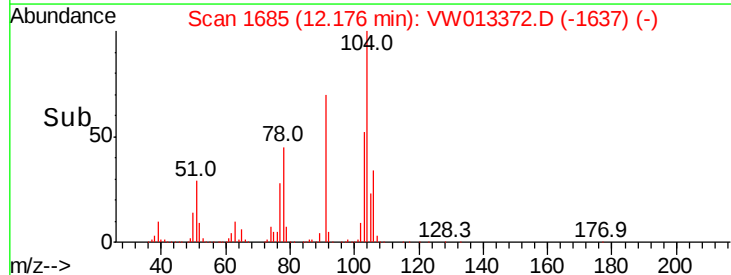
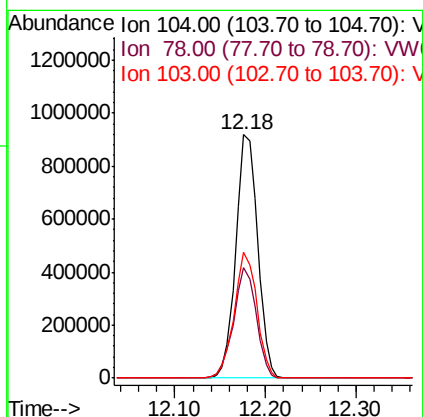
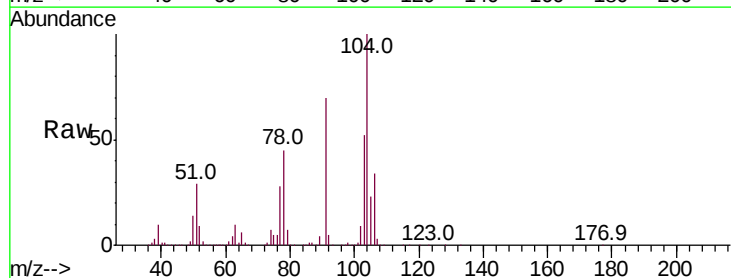
Instrument :
MSVOA_W
ClientSampled :

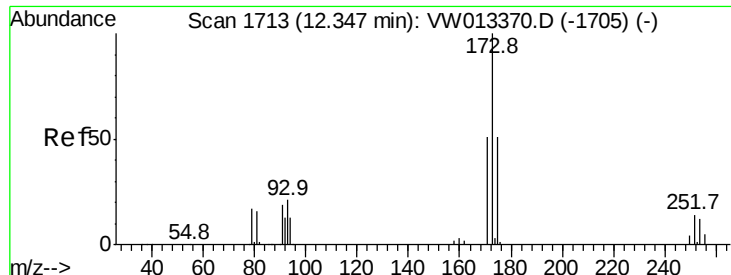
Tot Ion:106 Resp: 869258
Ion Ratio Lower Upper
106 100
91 215.1 106.5 319.5



#70
Styrene
Concen: 147.240 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion:104 Resp: 1542469
Ion Ratio Lower Upper
104 100
78 47.1 38.4 57.6
103 53.5 43.3 64.9

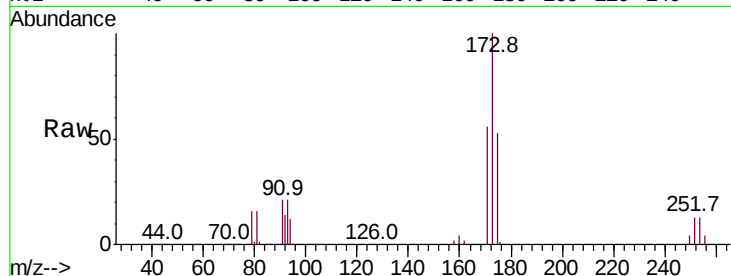




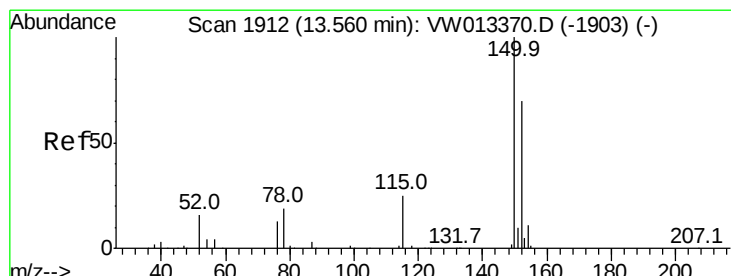
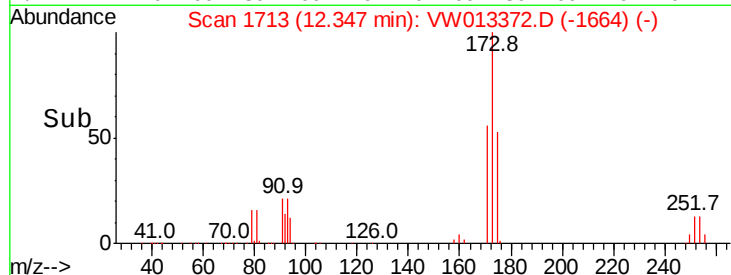
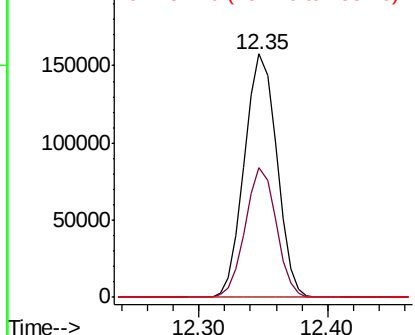
#71
Bromoform
Concen: 160.083 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 274649
Ion Ratio Lower Upper
173 100
175 50.6 24.3 73.0
254 0.0 0.1 0.1#

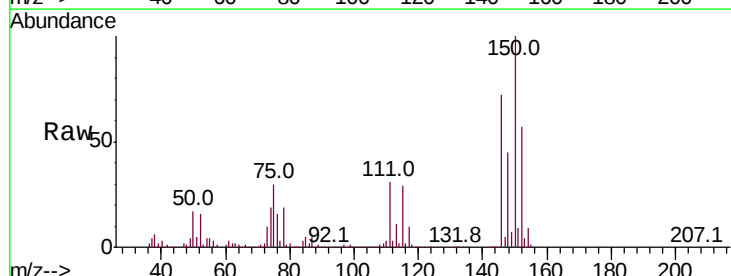


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

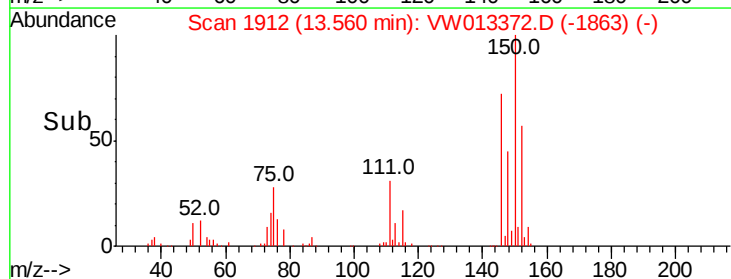
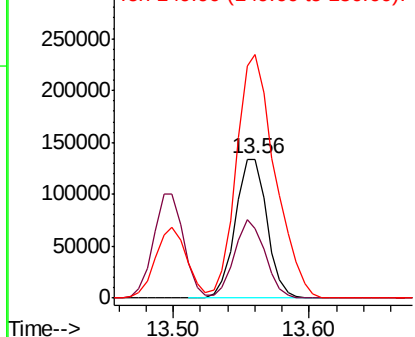


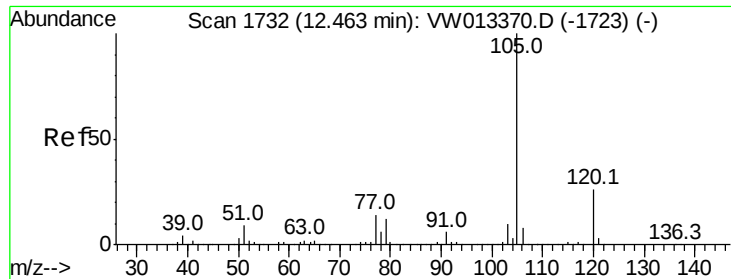
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion:152 Resp: 217065
Ion Ratio Lower Upper
152 100
115 54.4 27.3 81.9
150 213.9 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: 150.304 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

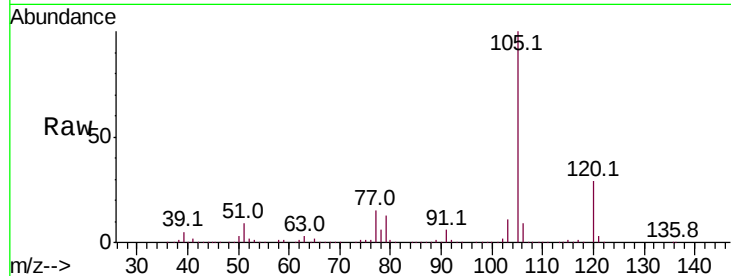
ClientSampleId :

Tot Ion:105 Resp: 2410093

Ion Ratio Lower Upper

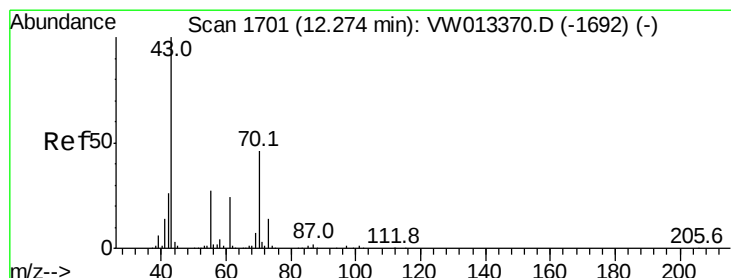
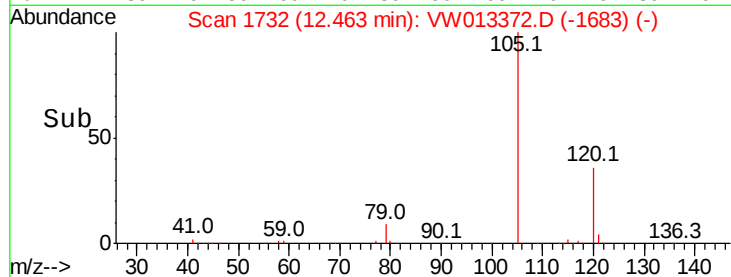
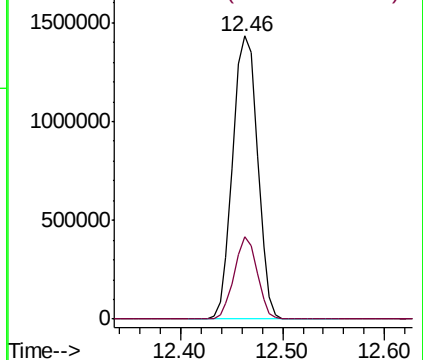
105 100

120 26.8 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: 159.046 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion: 43 Resp: 565905

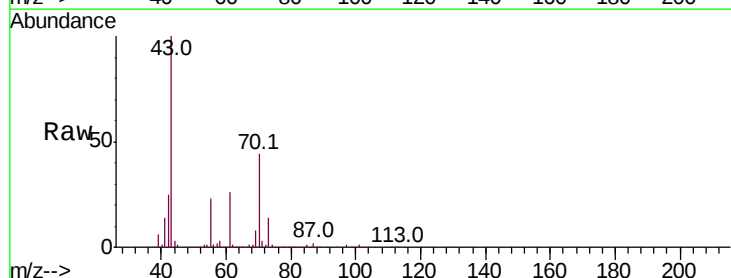
Ion Ratio Lower Upper

43 100

70 44.8 35.1 52.7

55 24.1 19.9 29.9

61 25.8 19.5 29.3

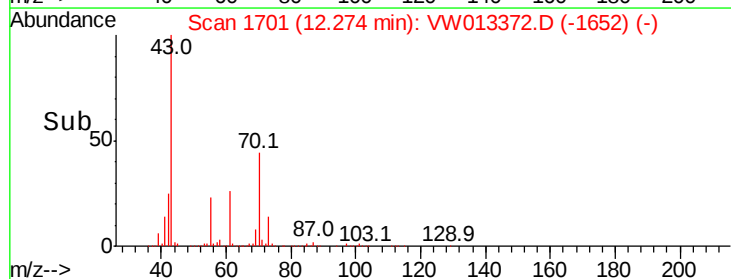
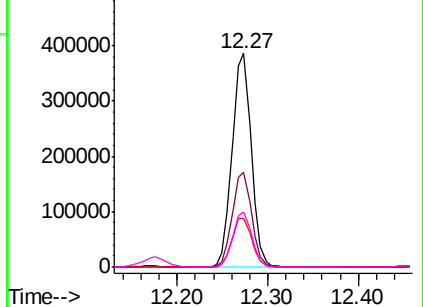


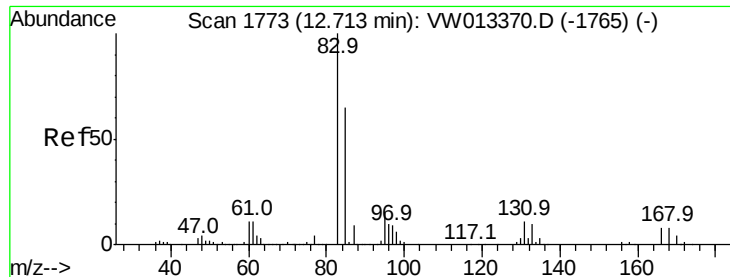
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 154.951 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

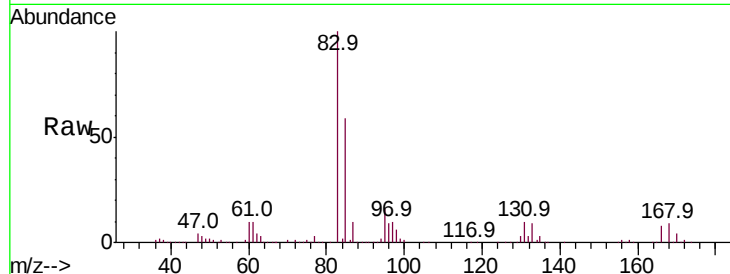
Tot Ion: 83 Resp: 415530

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

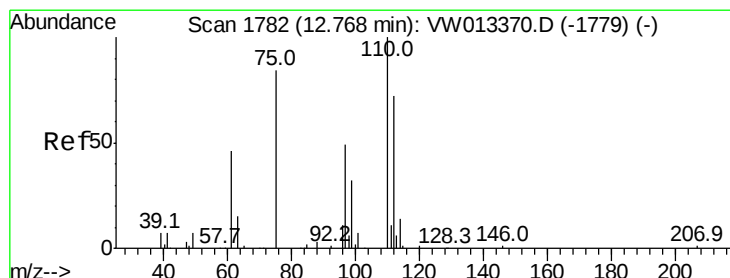
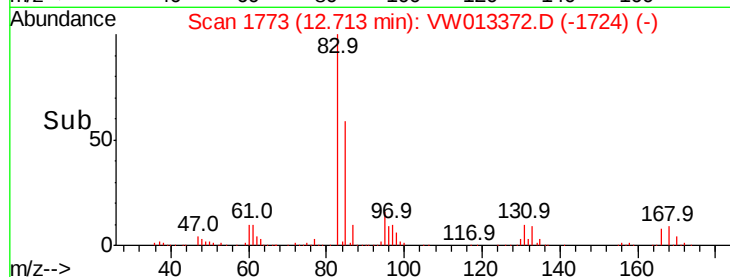
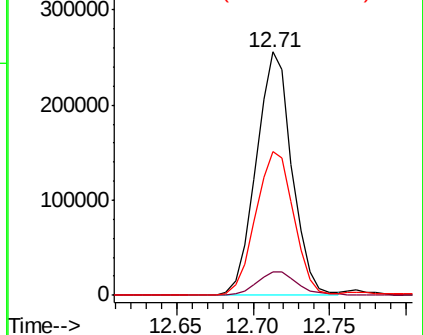
85 62.8 31.9 95.9



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: 278.783 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013372.D

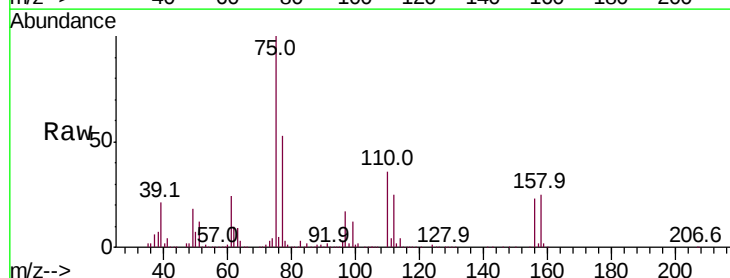
Acq: 01 Oct 2019 15:12

Tgt Ion: 75 Resp: 534418

Ion Ratio Lower Upper

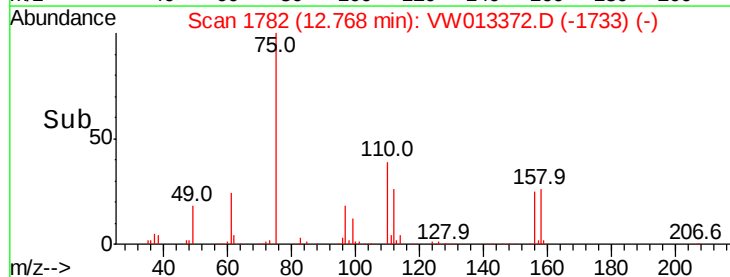
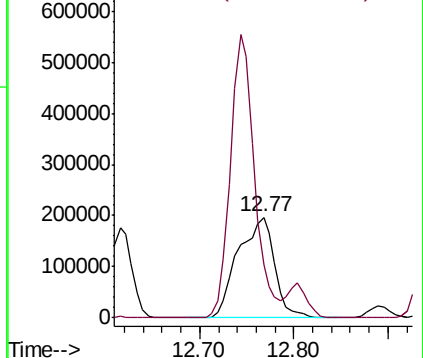
75 100

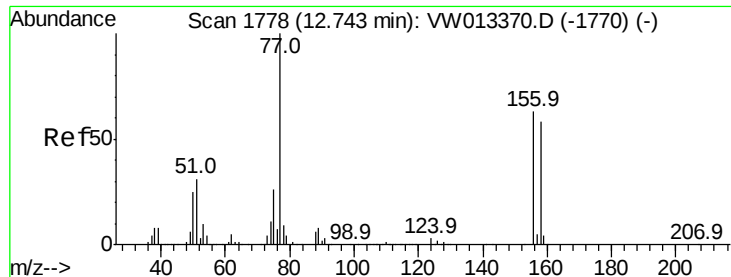
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 152.595 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

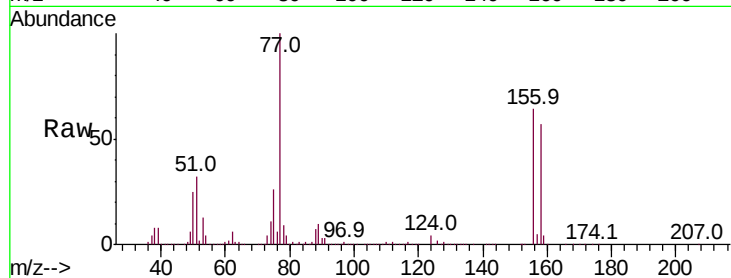
Tot Ion:156 Resp: 579831

Ion Ratio Lower Upper

156 100

77 170.6 85.7 257.1

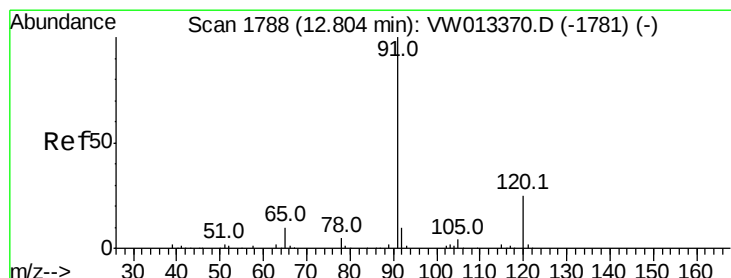
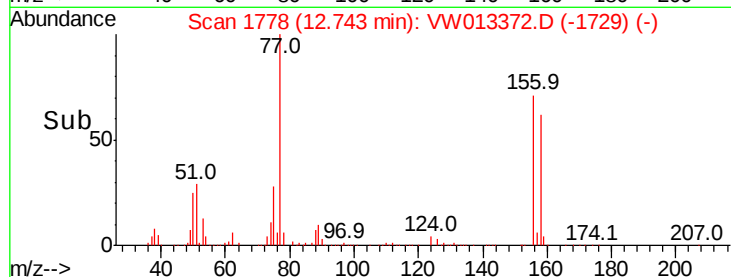
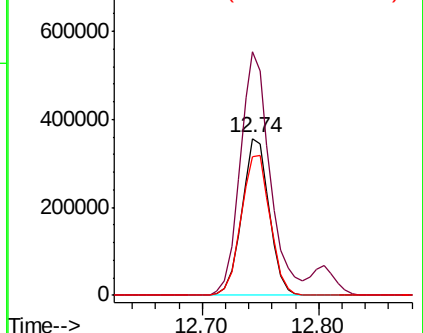
158 94.7 48.1 144.4



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: 146.247 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013372.D

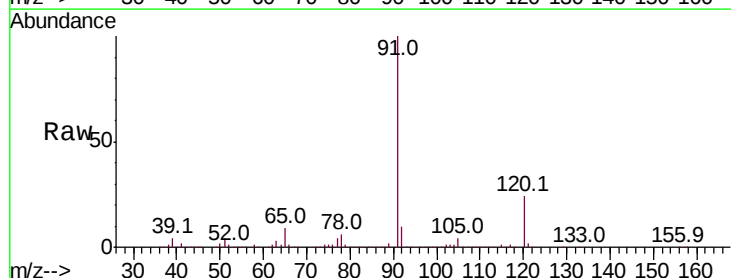
Acq: 01 Oct 2019 15:12

Tgt Ion: 91 Resp: 2744938

Ion Ratio Lower Upper

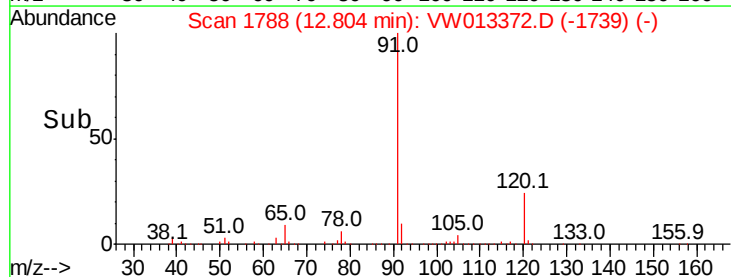
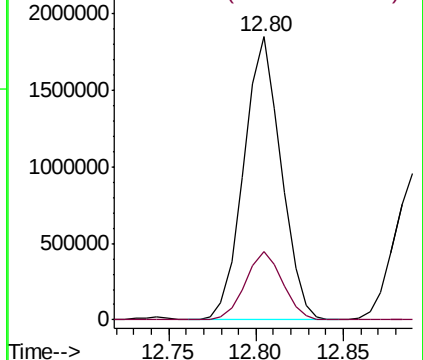
91 100

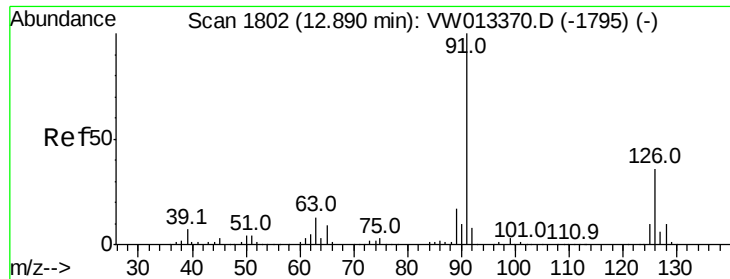
120 24.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.353 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

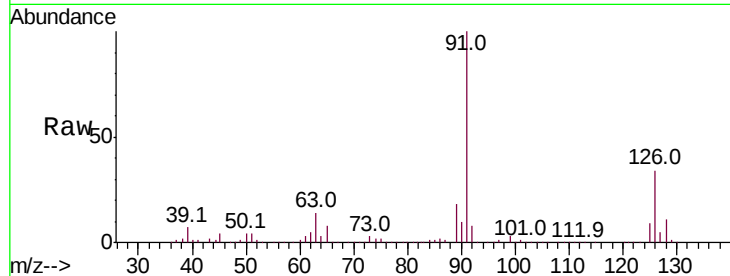
ClientSampleId :

Tot Ion: 91 Resp: 1528414

Ion Ratio Lower Upper

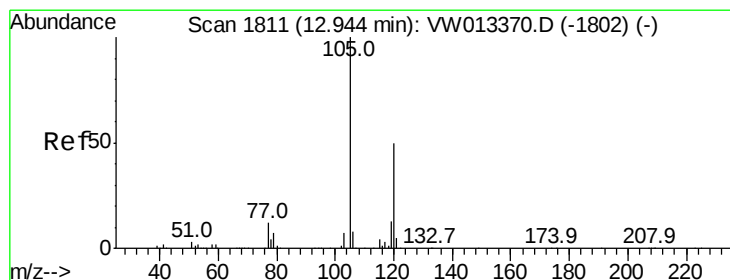
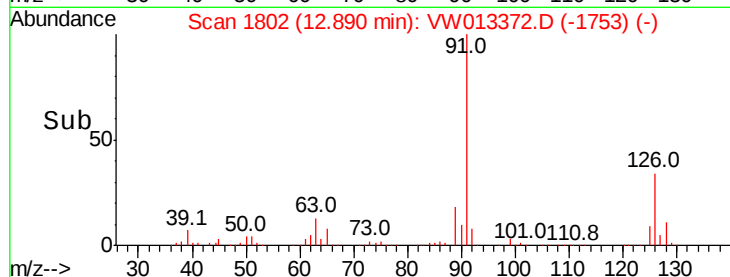
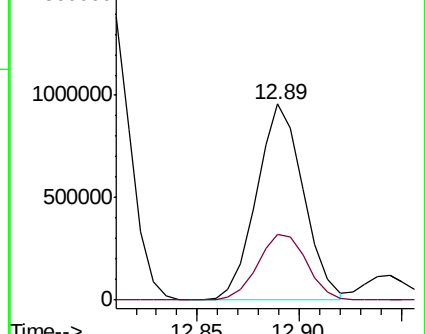
91 100

126 35.3 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: 142.496 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013372.D

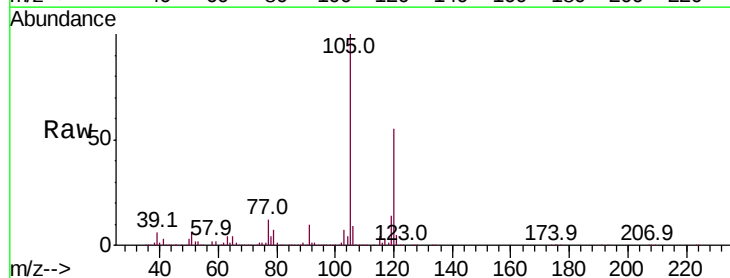
Acq: 01 Oct 2019 15:12

Tgt Ion:105 Resp: 1920684

Ion Ratio Lower Upper

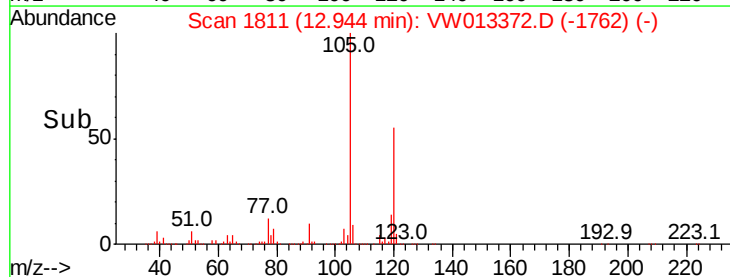
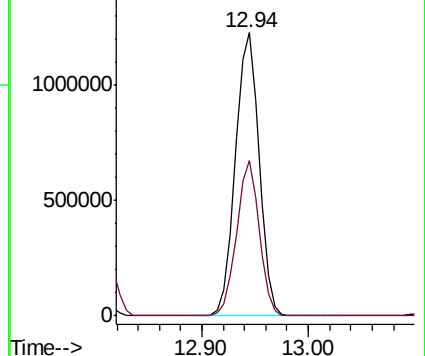
105 100

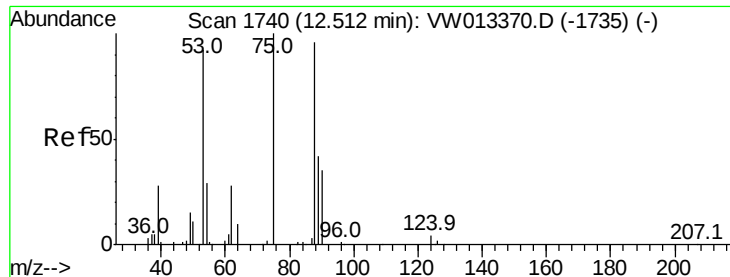
120 52.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

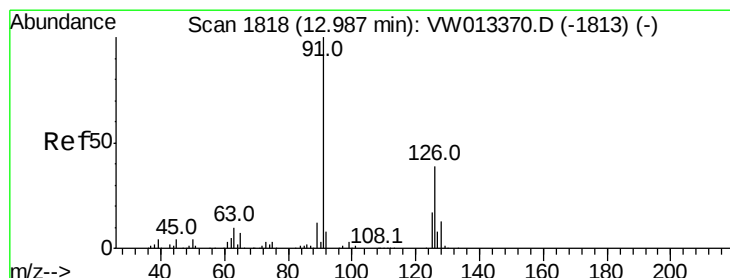
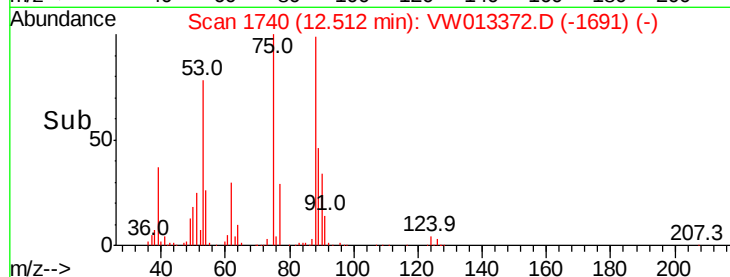
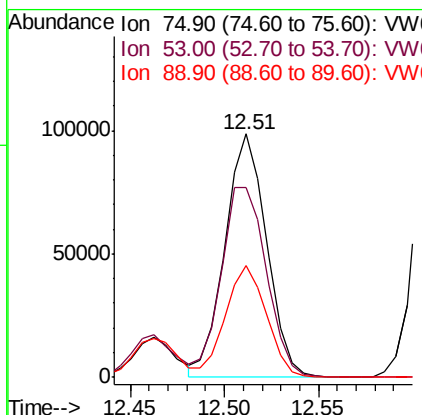
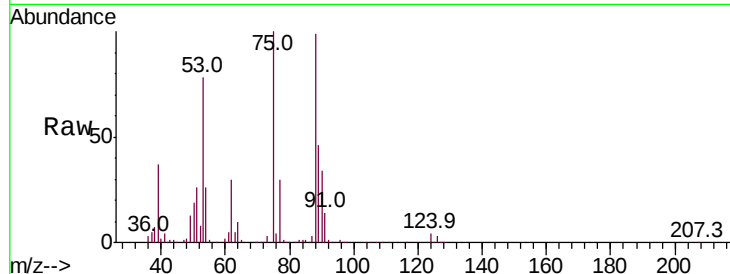




#81
trans-1,4-Dichloro-2-butene
Concen: 175.923 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

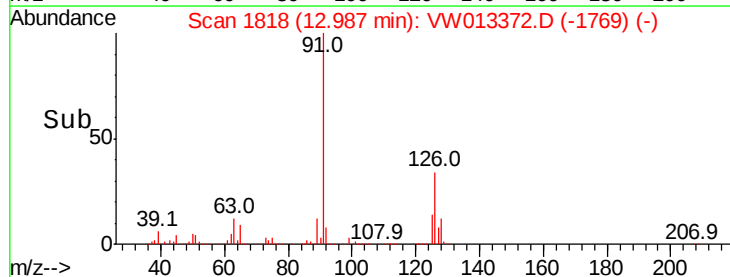
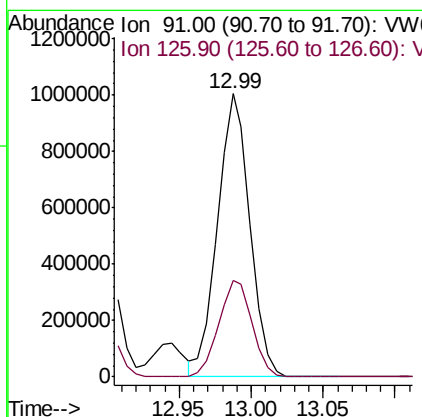
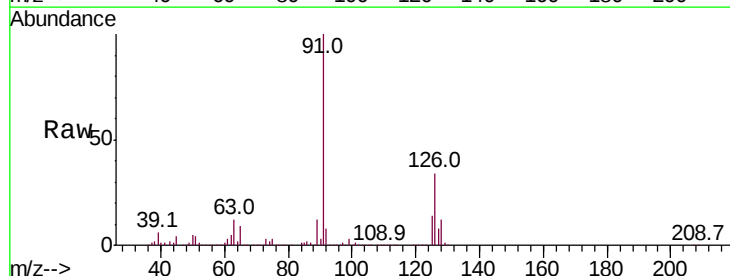
Instrument :
MSVOA_W
ClientSampleId :

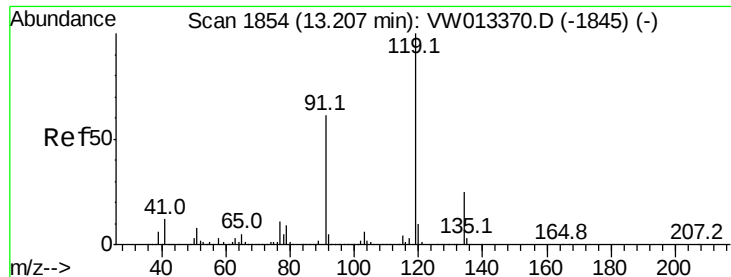
Tot Ion: 75 Resp: 150291
Ion Ratio Lower Upper
75 100
53 85.1 76.6 114.8
89 45.0 33.5 50.3



#82
4-Chlorotoluene
Concen: 141.829 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 91 Resp: 1572699
Ion Ratio Lower Upper
91 100
126 35.2 17.3 51.7





#83

tert-Butylbenzene

Concen: 143.340 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

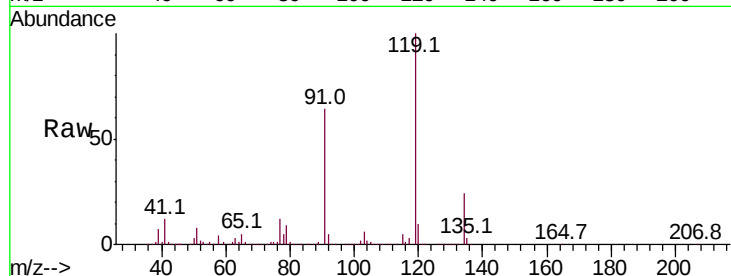
Tot Ion:119 Resp: 1695796

Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	28.1	12.6	37.6

119 100

91 61.8 30.7 92.1

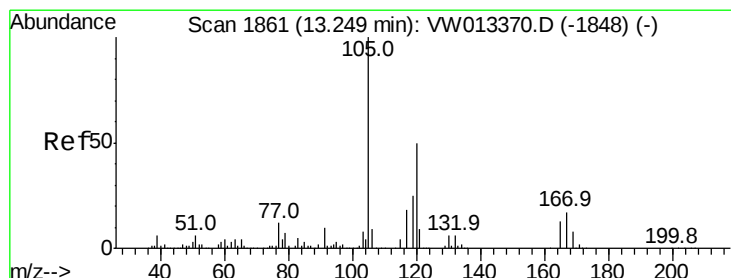
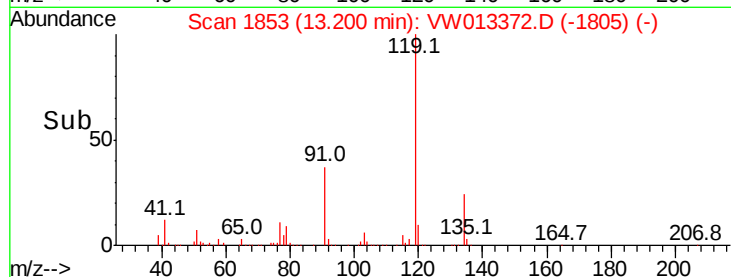
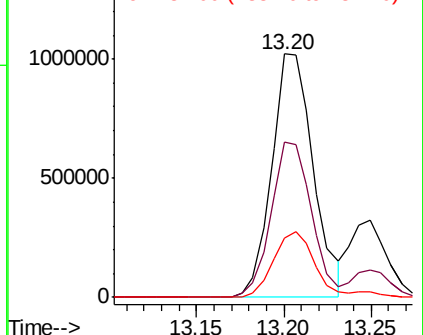
134 28.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 146.278 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW013372.D

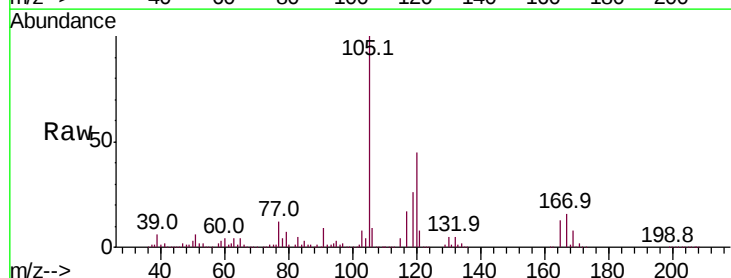
Acq: 01 Oct 2019 15:12

Tgt Ion:105 Resp: 1961980

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.4	70.3

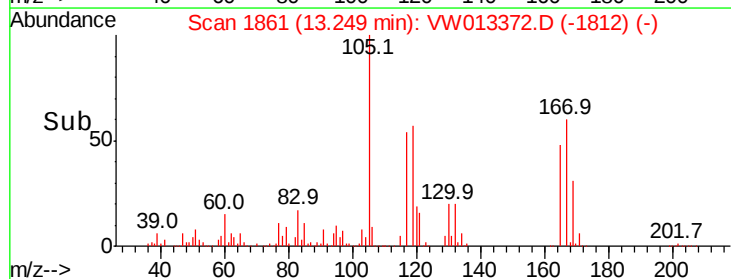
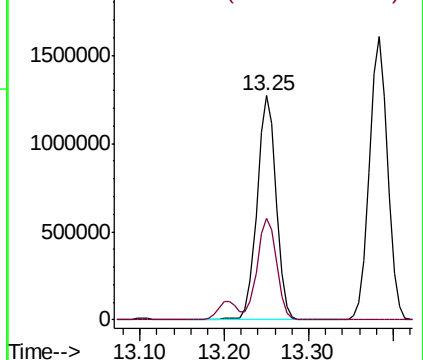
105 100

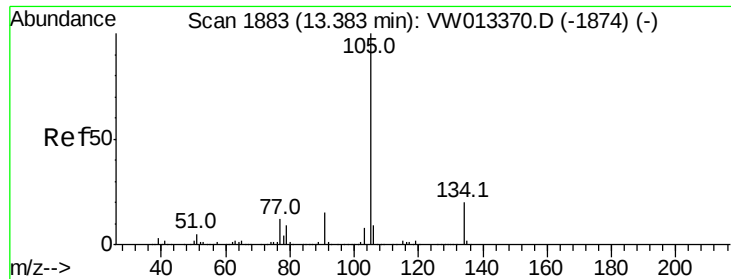
120 45.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

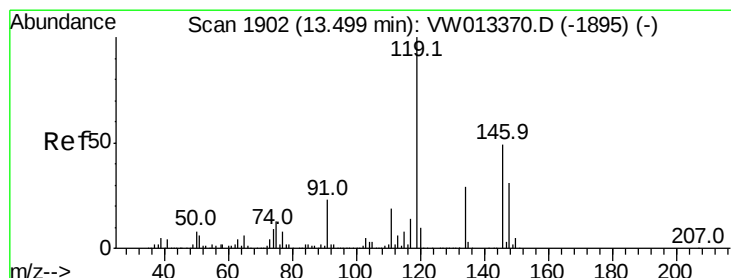
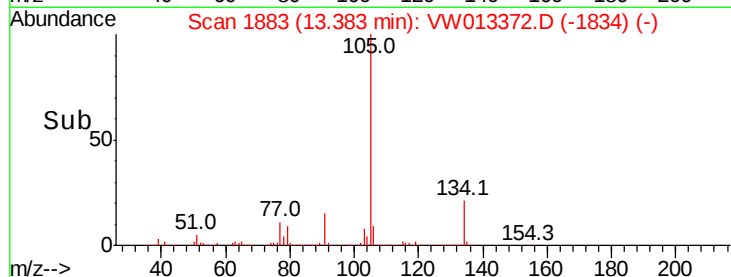
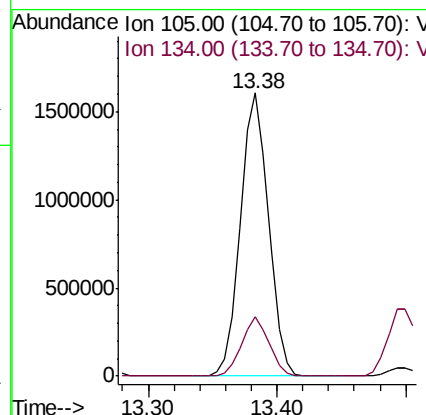
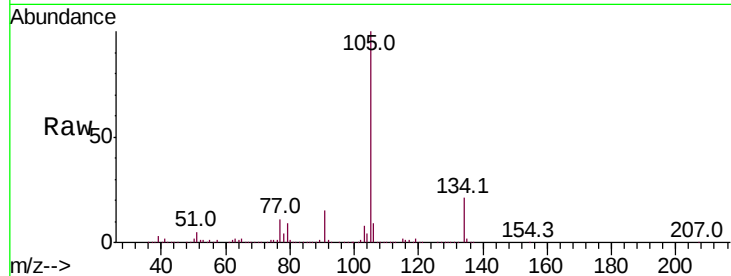




#85
 sec-Butylbenzene
 Concen: 148.343 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

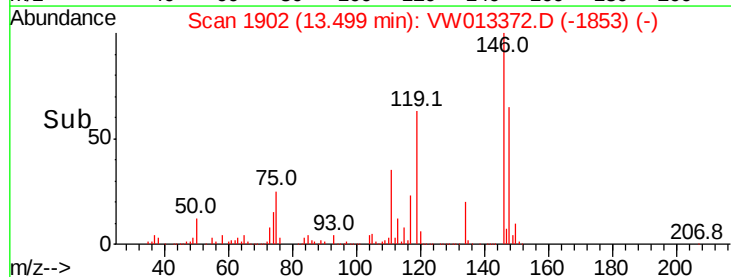
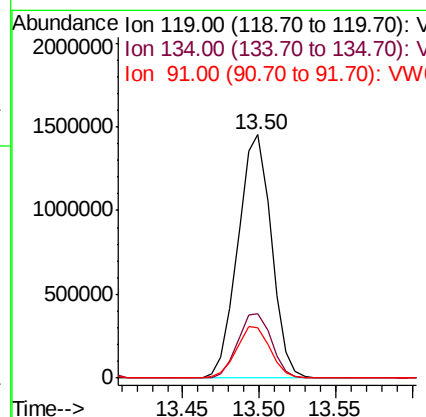
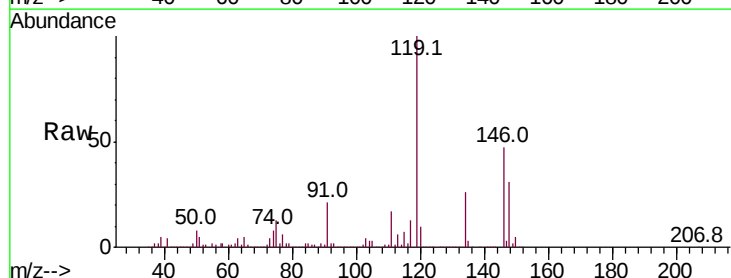
Instrument :
 MSVOA_W
 ClientSampleId :

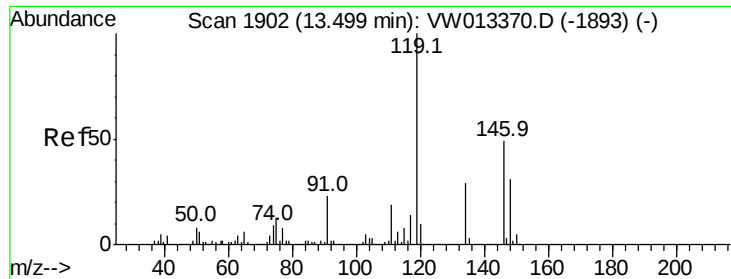
Tot Ion:105 Resp: 2419578
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 145.338 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion:119 Resp: 2198712
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 21.4 10.8 32.4

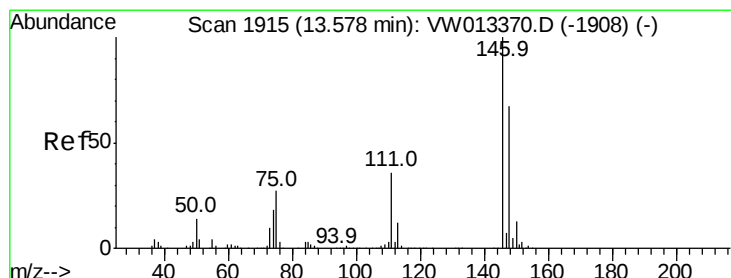
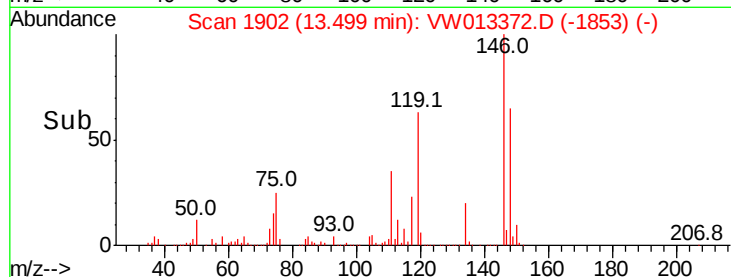
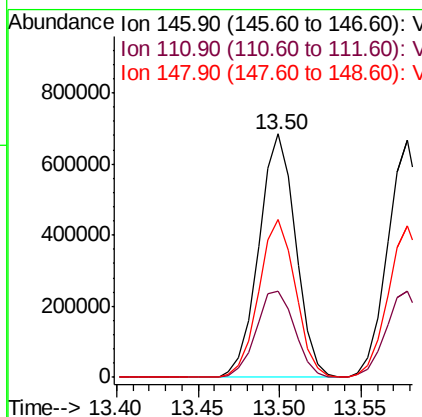
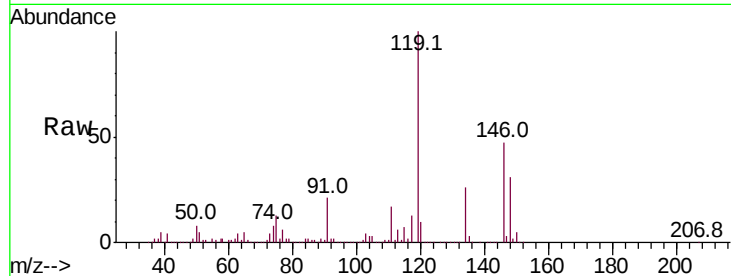




#87
 1,3-Dichlorobenzene
 Concen: 146.625 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

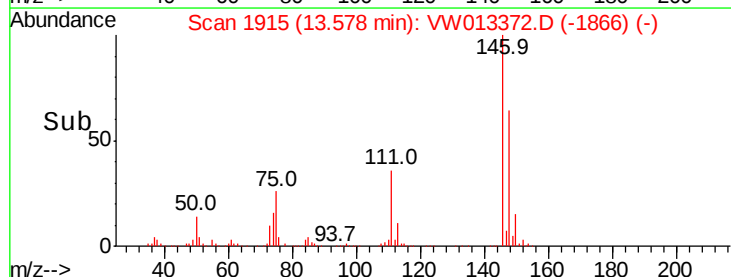
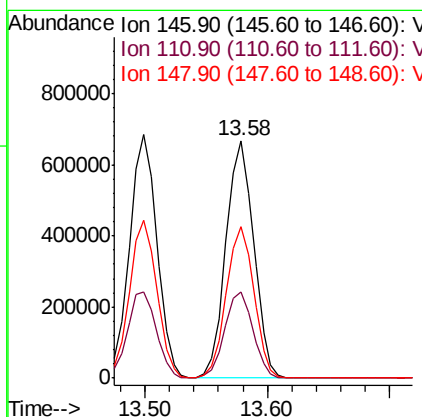
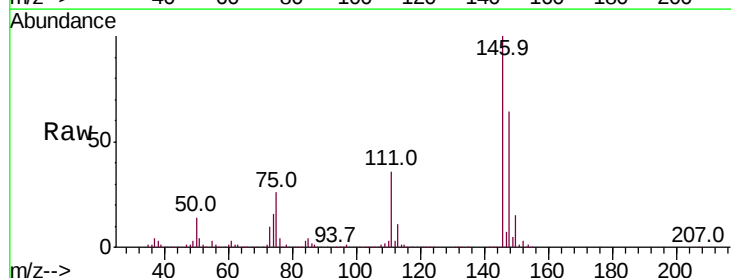
Instrument :
 MSVOA_W
 ClientSampleId :

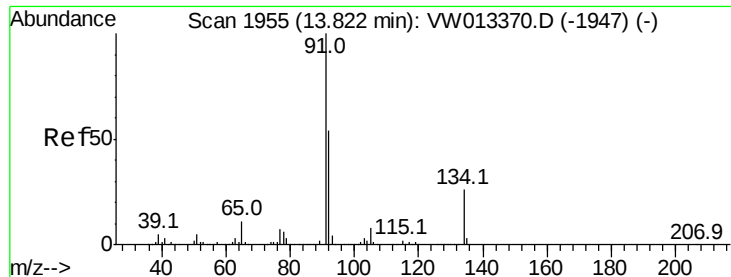
Tot Ion:146 Resp: 1072264
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 64.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 146.562 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion:146 Resp: 1051168
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 63.5 32.1 96.3

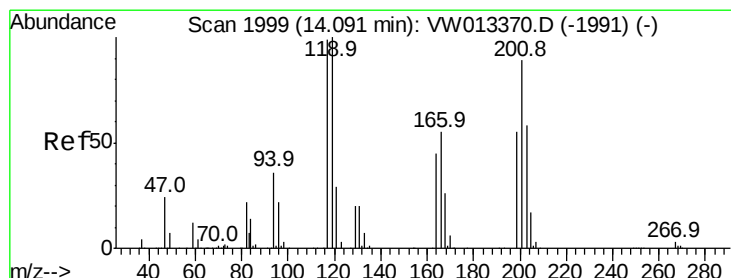
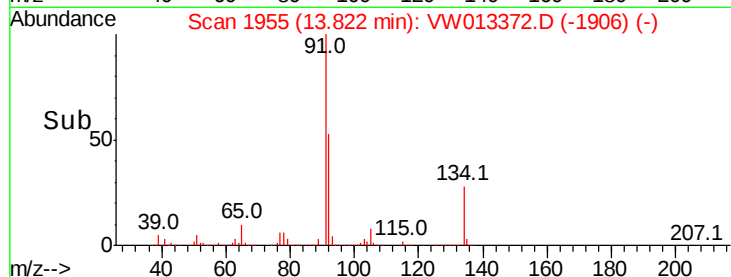
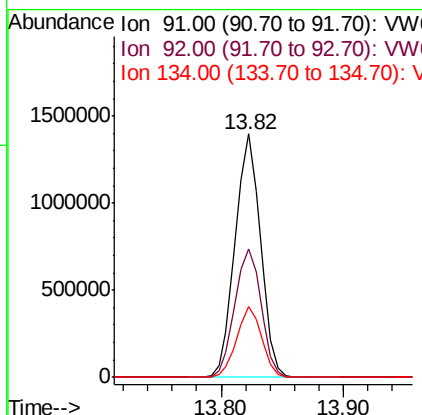
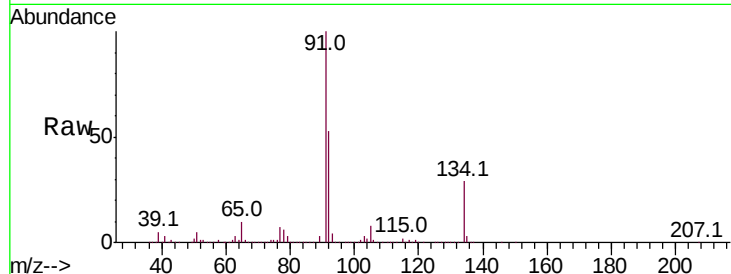




#89
n-Butylbenzene
Concen: 144.897 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

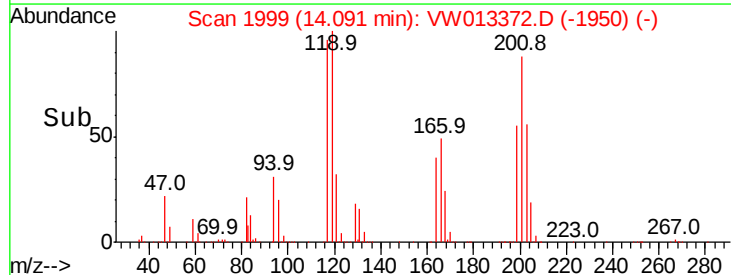
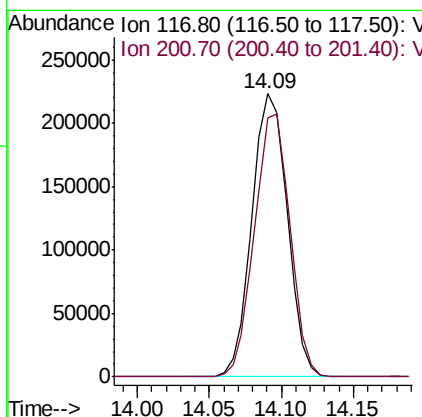
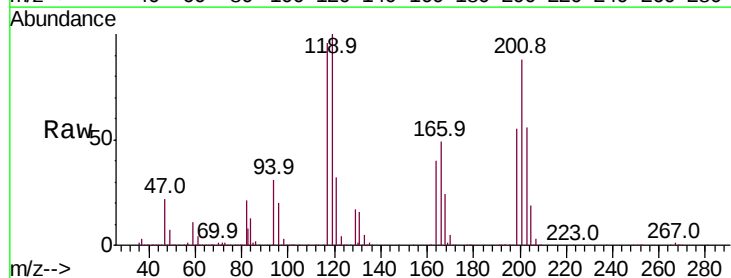
Instrument :
MSVOA_W
ClientSampled :

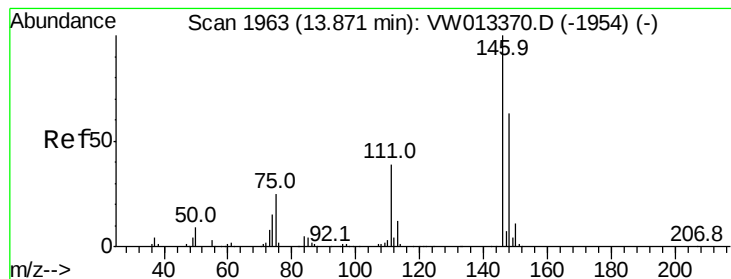
Tot Ion: 91 Resp: 2001560
Ion Ratio Lower Upper
91 100
92 54.8 27.6 82.8
134 28.7 13.7 41.1



#90
Hexachloroethane
Concen: 149.528 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 117 Resp: 380014
Ion Ratio Lower Upper
117 100
201 93.2 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 147.423 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

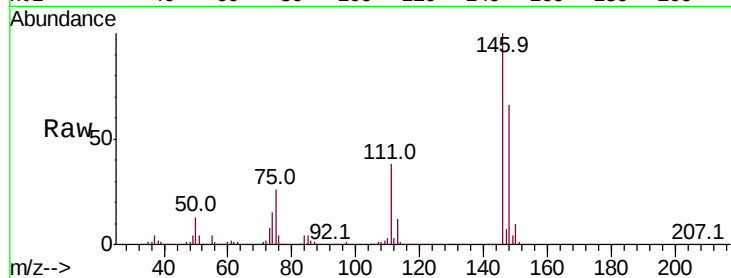
Tot Ion:146 Resp: 932693

Ion Ratio Lower Upper

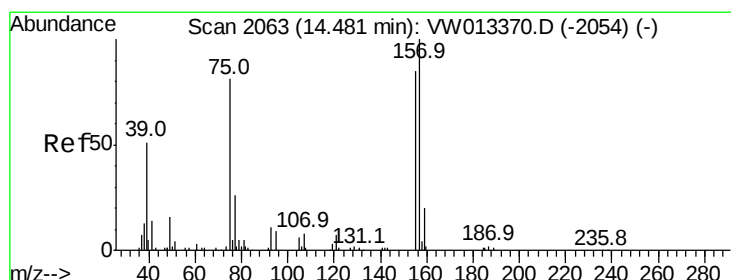
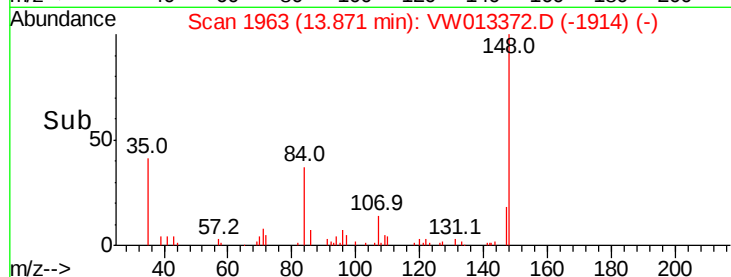
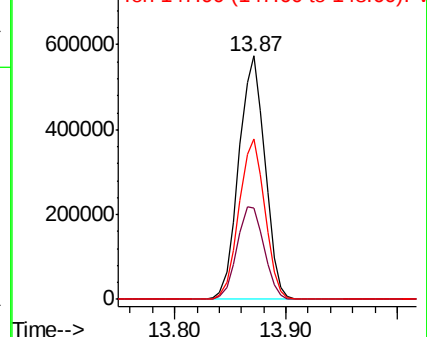
146 100

111 39.3 20.1 60.3

148 65.2 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 153.467 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

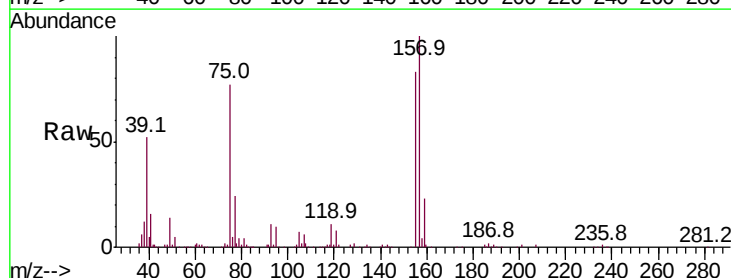
Tgt Ion: 75 Resp: 62949

Ion Ratio Lower Upper

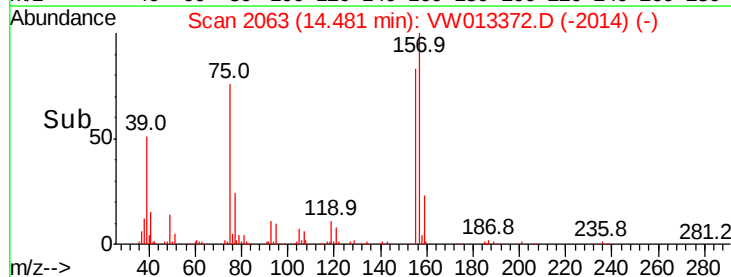
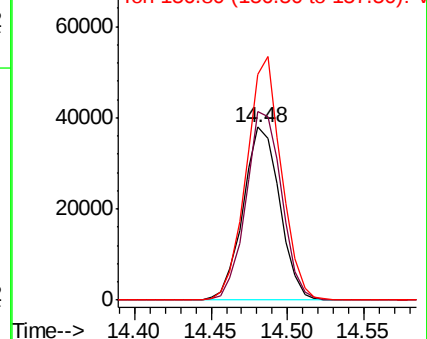
75 100

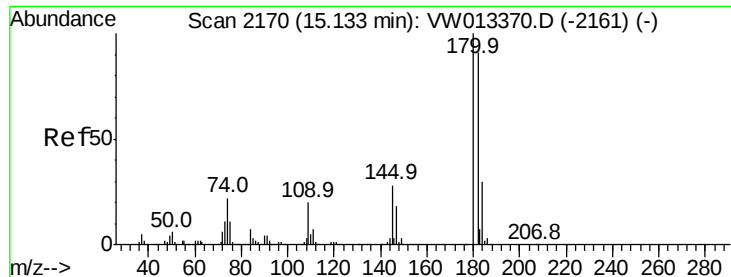
155 106.6 46.1 138.3

157 134.3 60.4 181.2



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

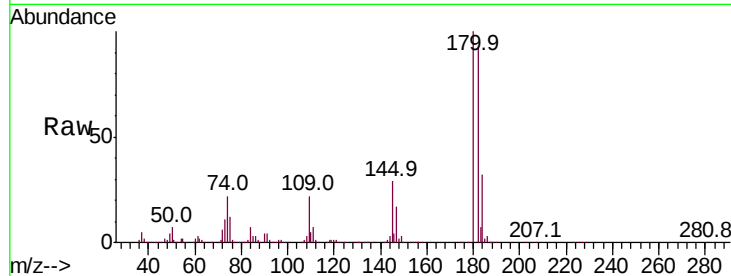




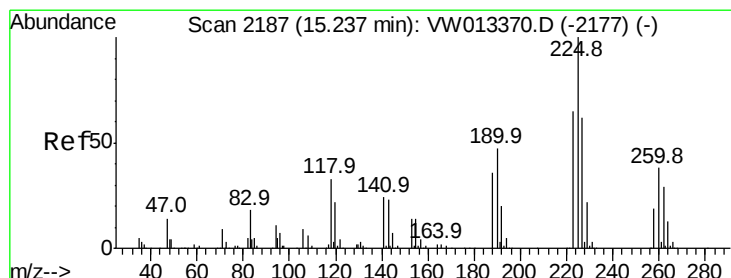
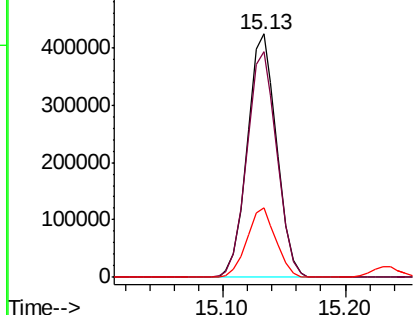
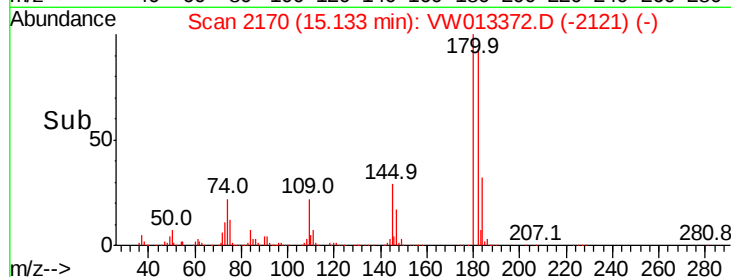
#93
 1,2,4-Trichlorobenzene
 Concen: 155.361 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180 Resp: 704330
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.3 142.0
 145 28.1 14.2 42.8

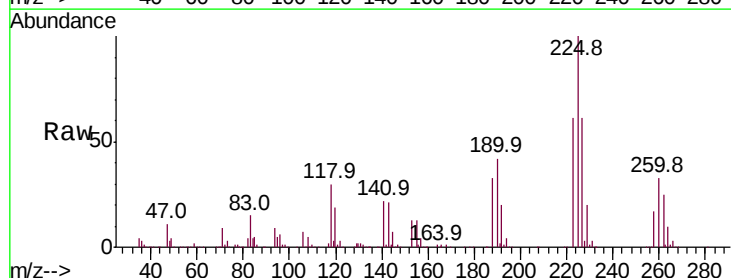


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

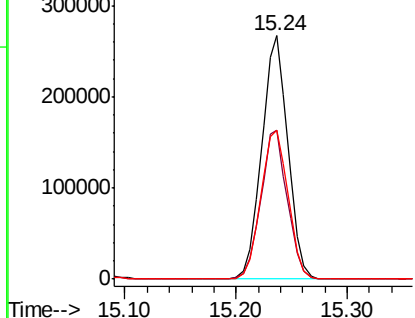
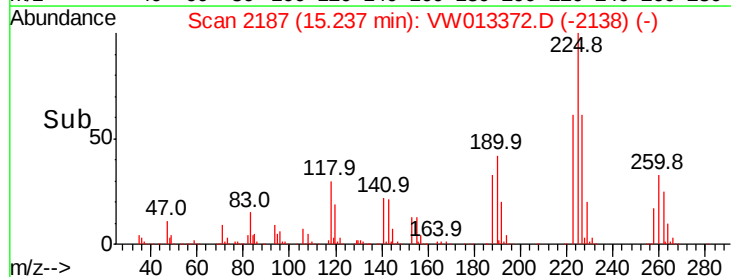


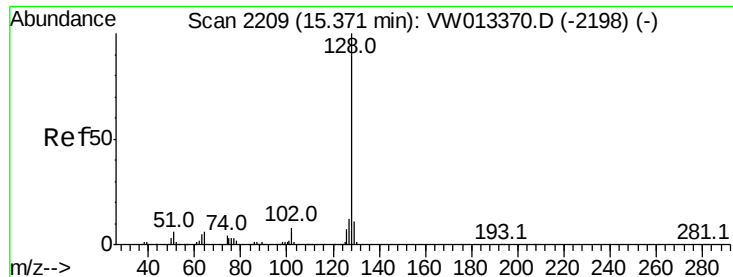
#94
 Hexachlorobutadiene
 Concen: 140.807 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion:225 Resp: 436724
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.6 91.8
 227 63.9 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

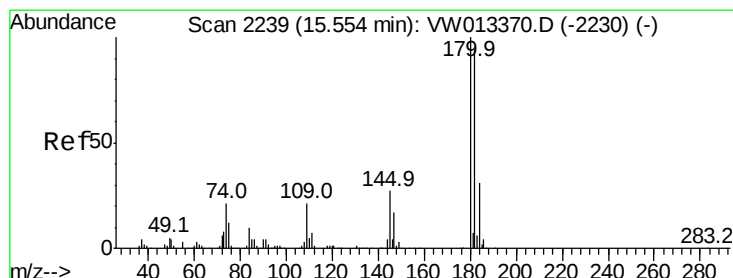
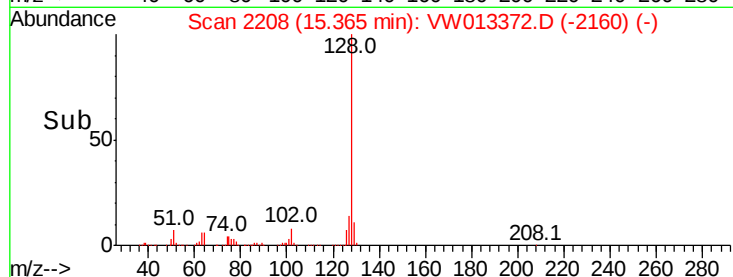
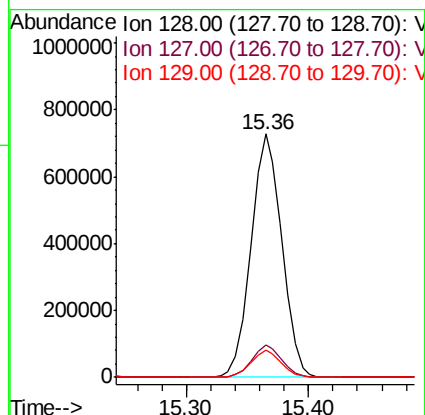
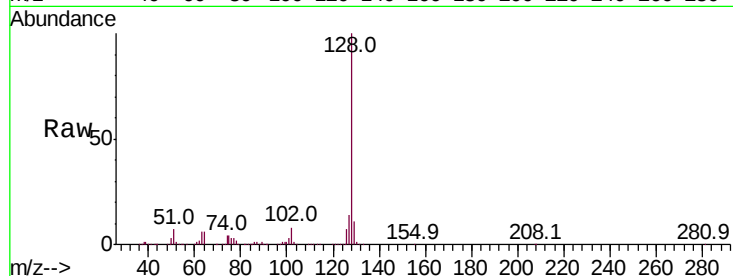




#95
Naphthalene
Concen: 171.480 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 1271466
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 156.003 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion:180 Resp: 611110
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.7
145 29.8 15.0 45.0

