

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013372.D
 Acq On : 01 Oct 2019 15:12
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

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

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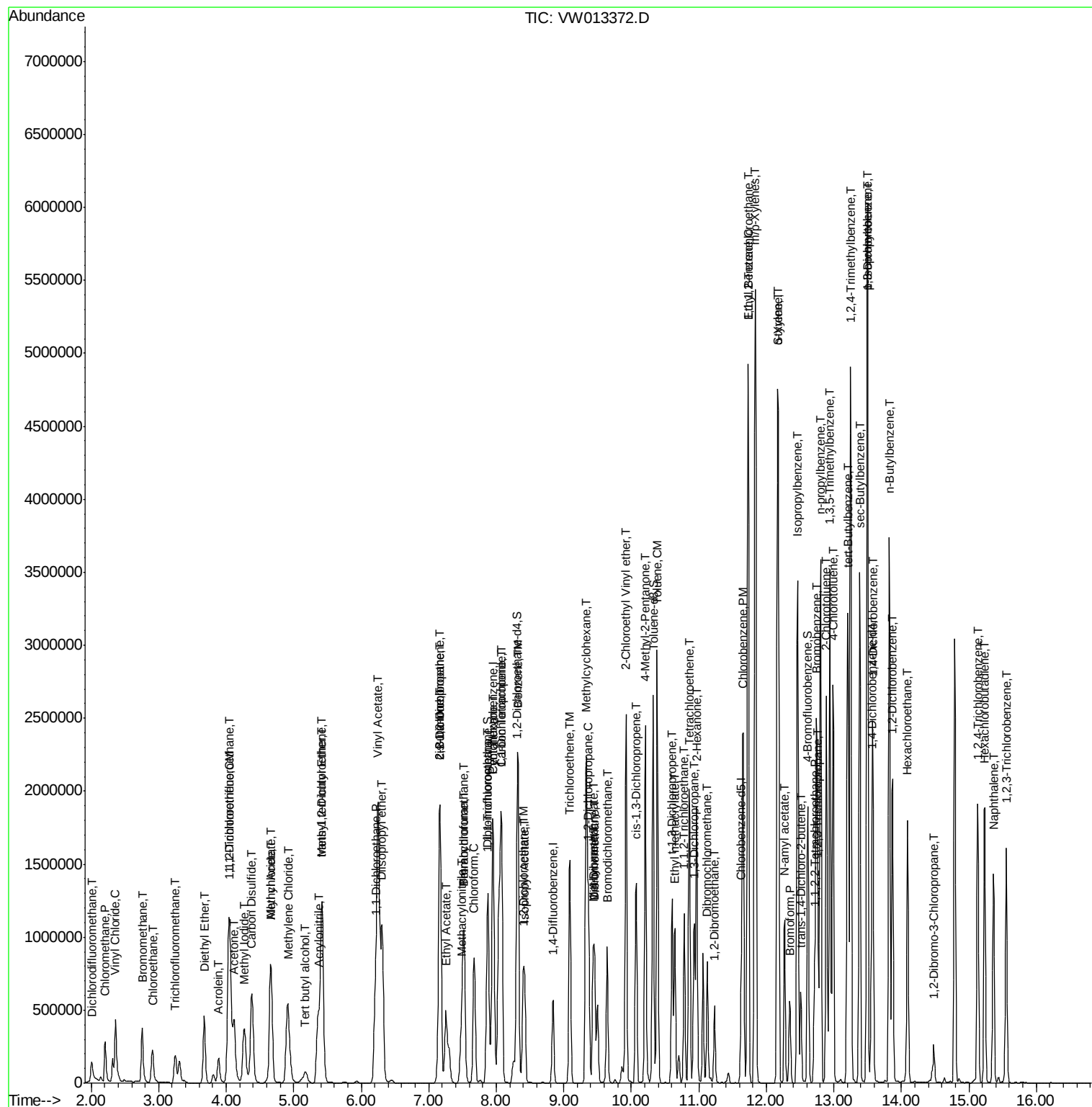
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	704330	155.361	ug/l	100
94) Hexachlorobutadiene	15.24	225	436724	140.807	ug/l	100
95) Naphthalene	15.36	128	1271466	171.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	611110	156.003	ug/l	99

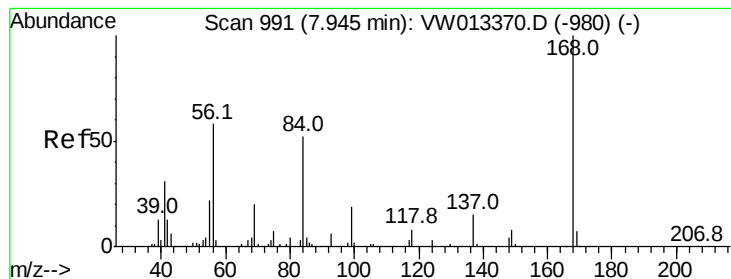
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100119\
Data File : VW013372.D
Acq On : 01 Oct 2019 15:12
Operator : SY/VA
Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Quant Time: Oct 01 15:47:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
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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 :

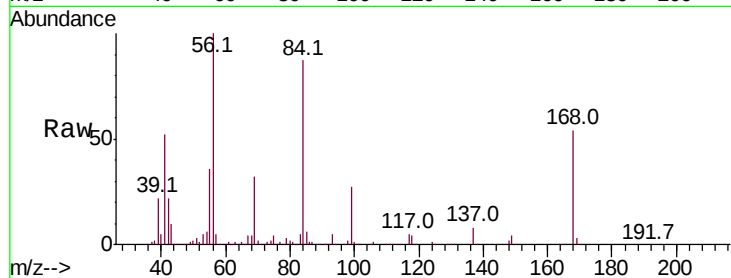
VSTDIC150

Tot Ion:168 Resp: 362622

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

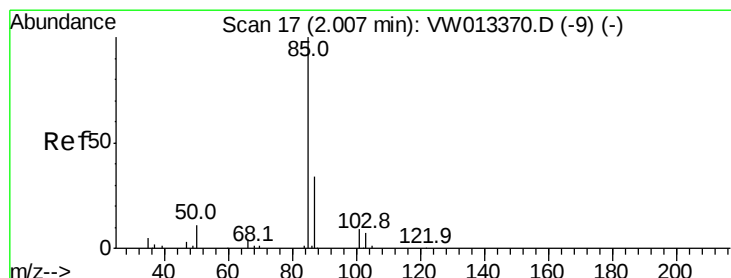
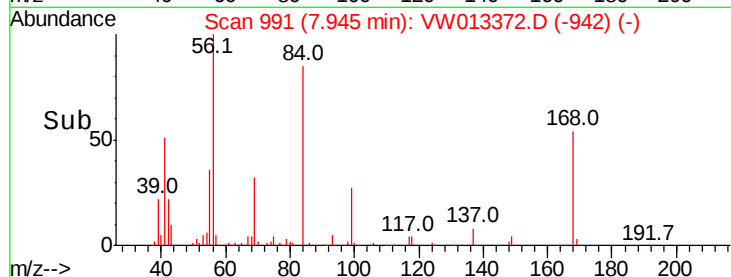
100000

50000

0

7.90 7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 113.645 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013372.D

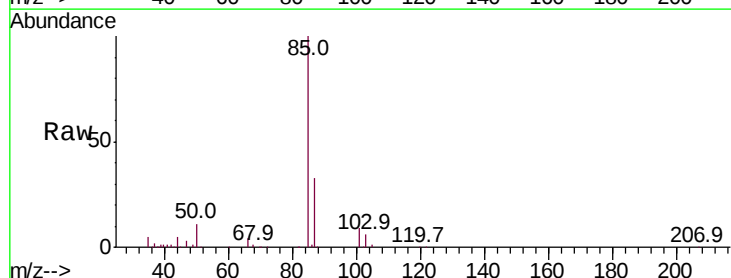
Acq: 01 Oct 2019 15:12

Tgt Ion: 85 Resp: 237716

Ion Ratio Lower Upper

85 100

87 33.3 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

60000

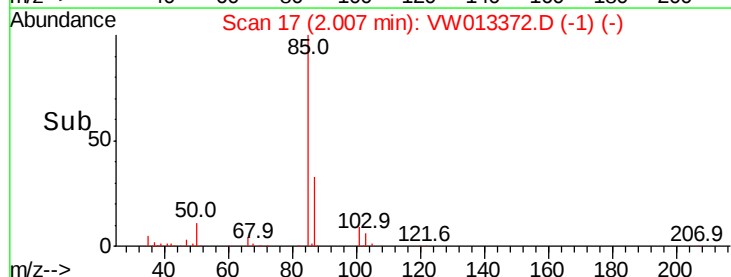
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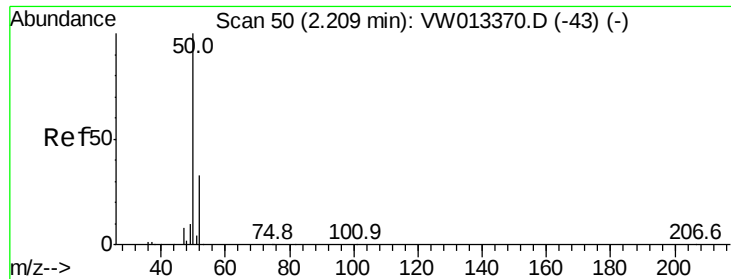
20000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#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 :

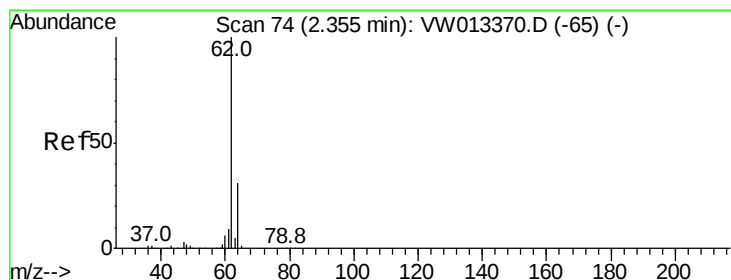
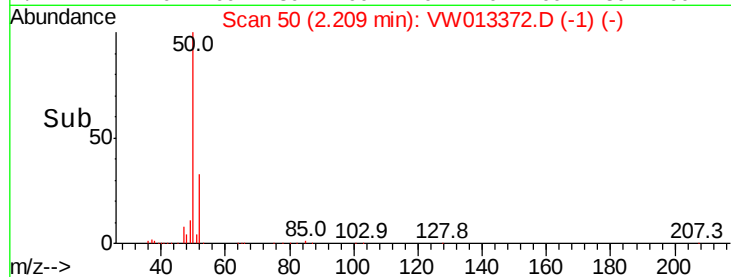
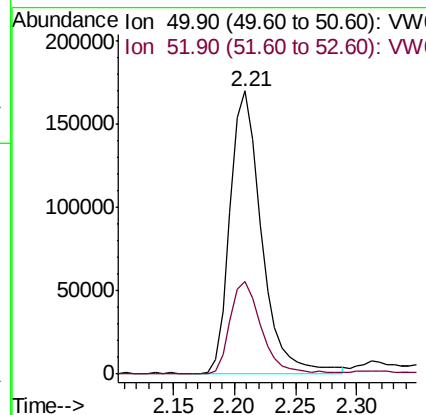
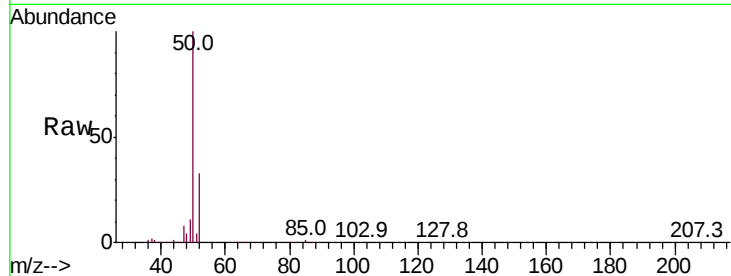
VSTDIC150

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

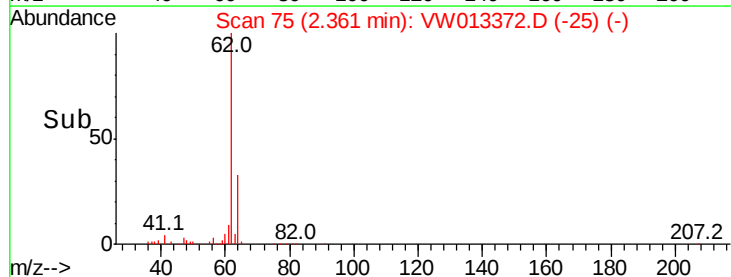
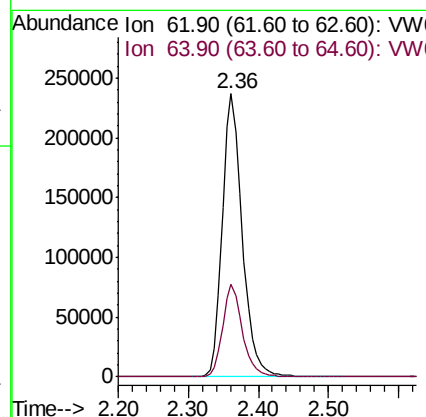
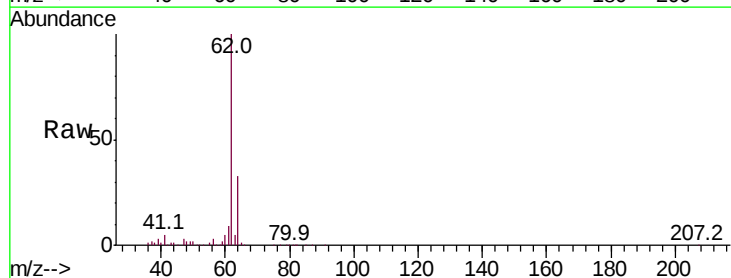
Acq: 01 Oct 2019 15:12

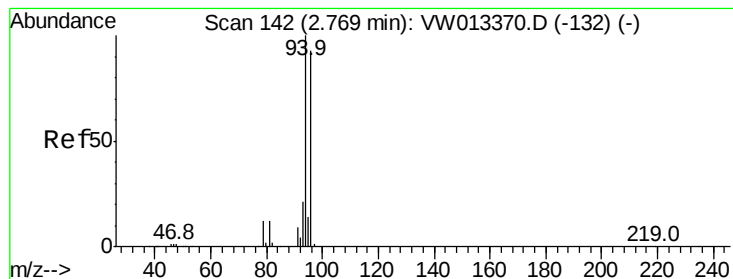
Tgt Ion: 62 Resp: 470394

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 :

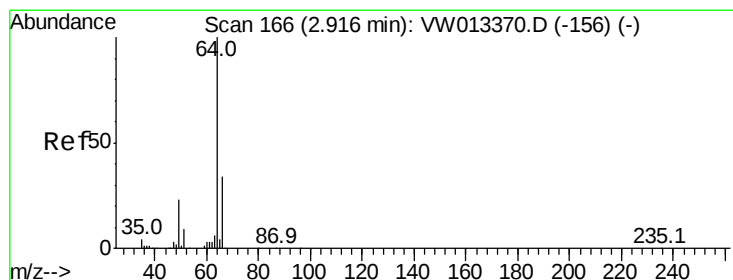
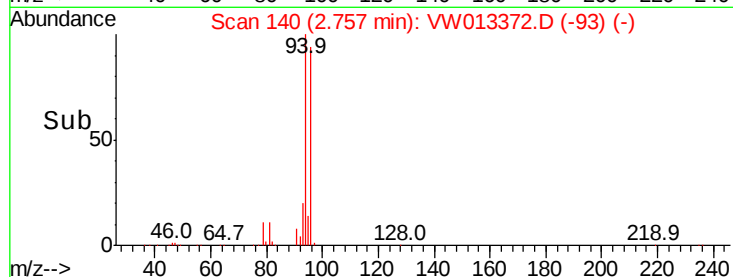
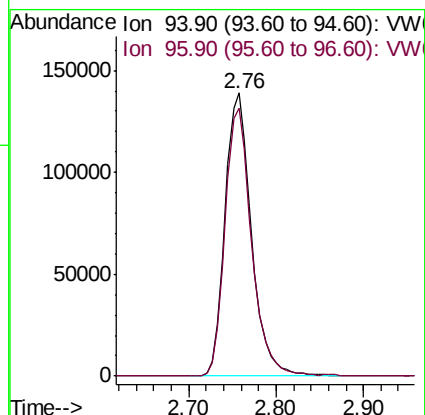
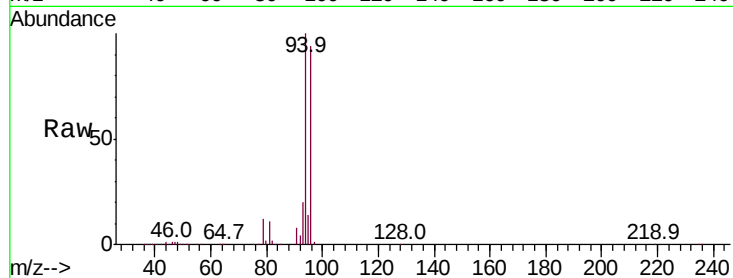
VSTDIC150

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

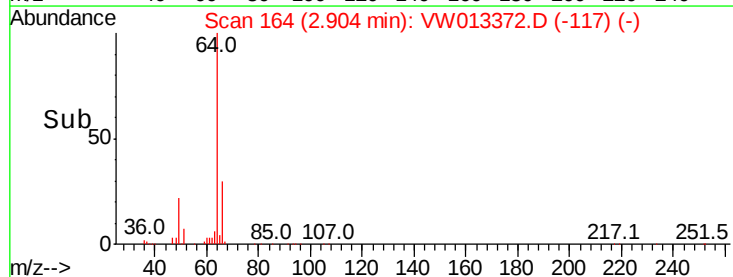
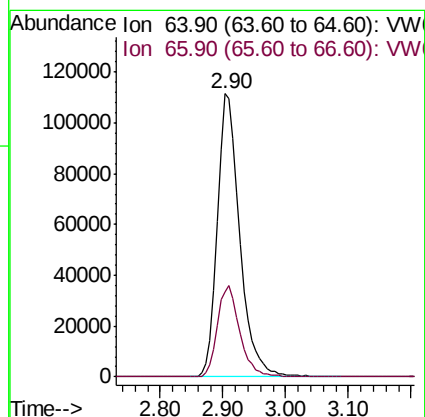
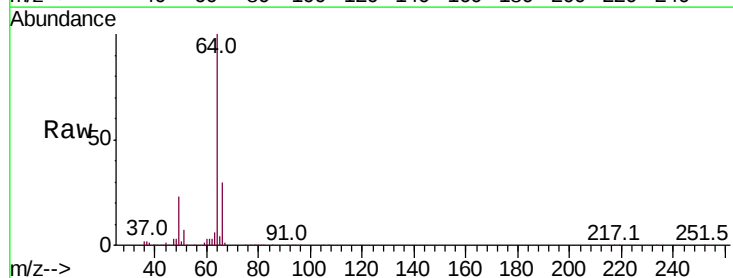
Acq: 01 Oct 2019 15:12

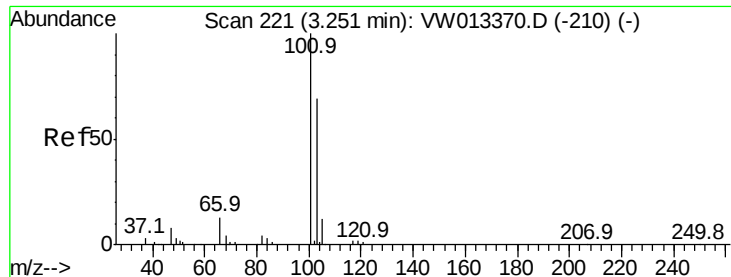
Tgt Ion: 64 Resp: 275216

Ion Ratio Lower Upper

64 100

66 30.1 26.6 39.8



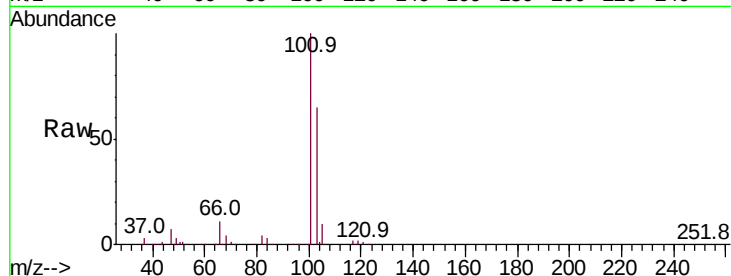


#7

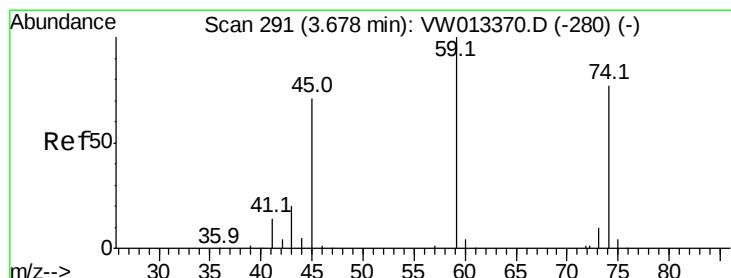
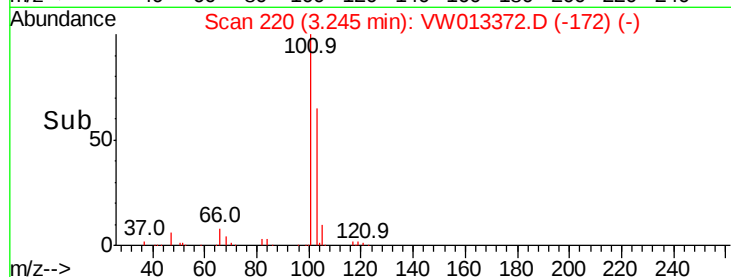
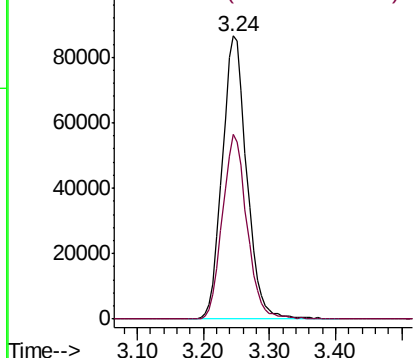
Trichlorofluoromethane
Concen: 111.337 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

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



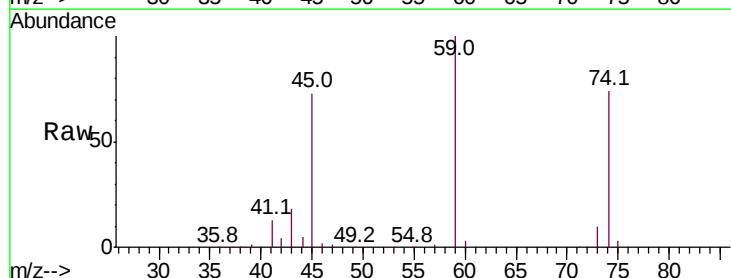
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



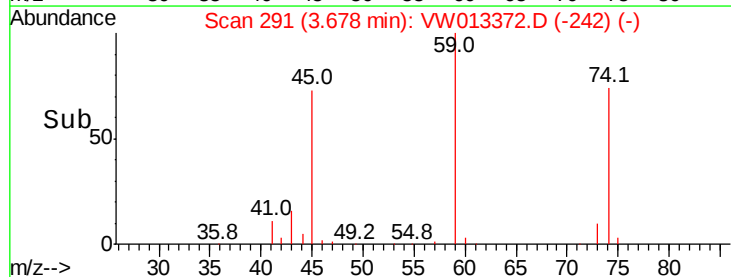
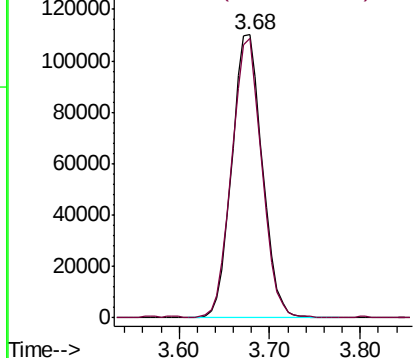
#8

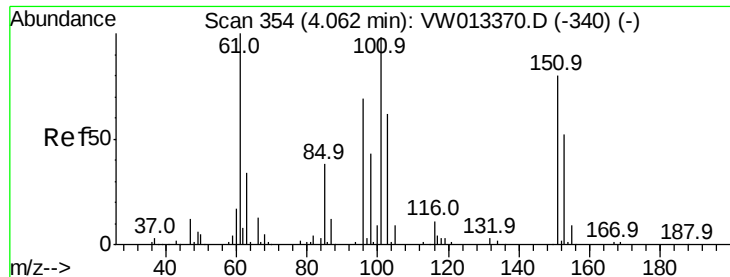
Diethyl Ether
Concen: 150.263 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

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

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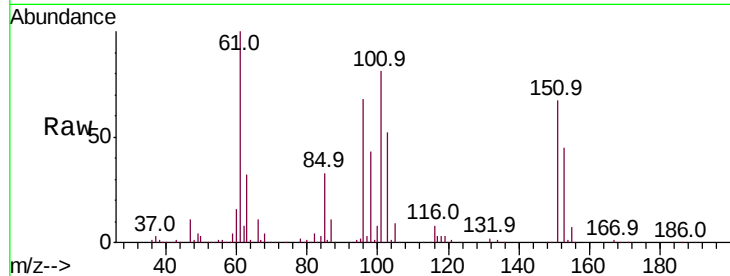
Tot Ion:101 Resp: 465094

Ion Ratio Lower Upper

101 100

85 40.6 33.4 50.0

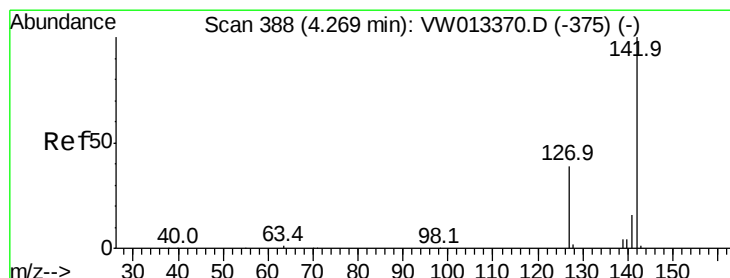
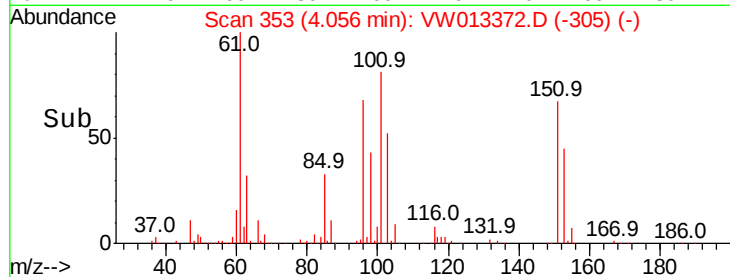
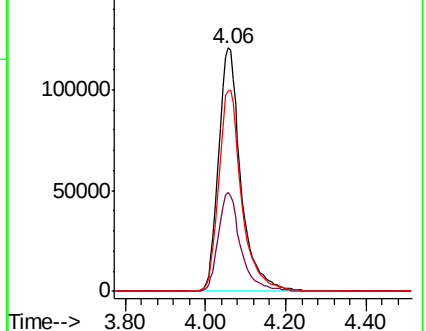
151 84.8 66.9 100.3



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

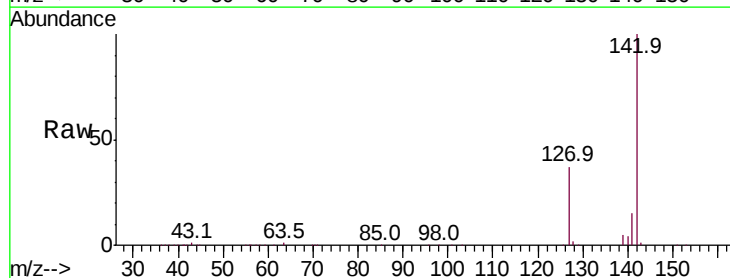
Tgt Ion:142 Resp: 766912

Ion Ratio Lower Upper

142 100

127 37.7 30.9 46.3

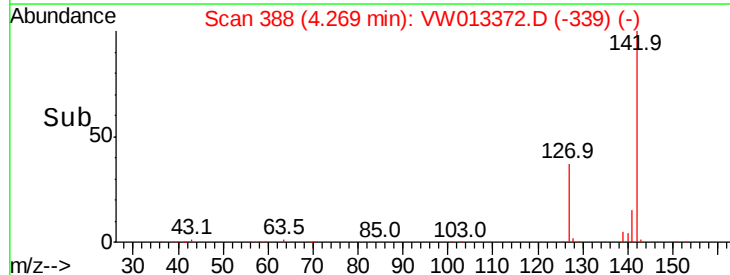
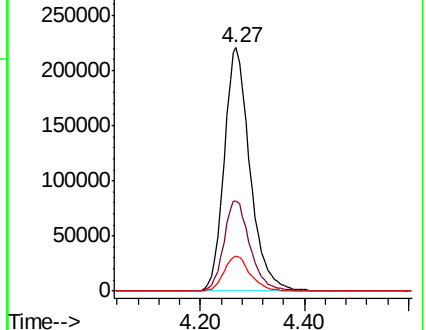
141 14.7 11.7 17.5

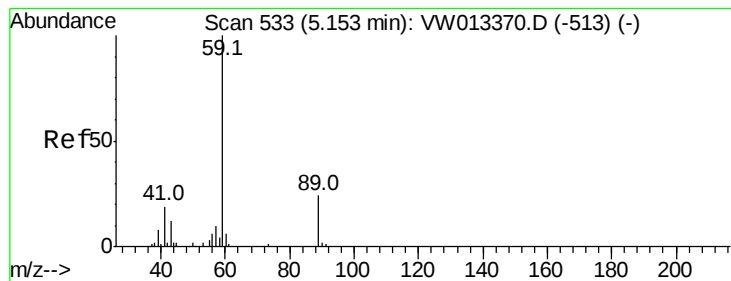


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



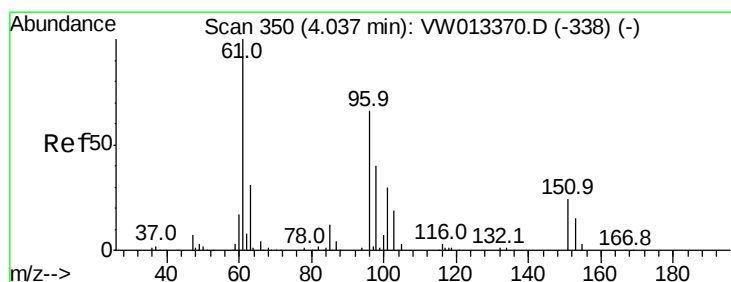
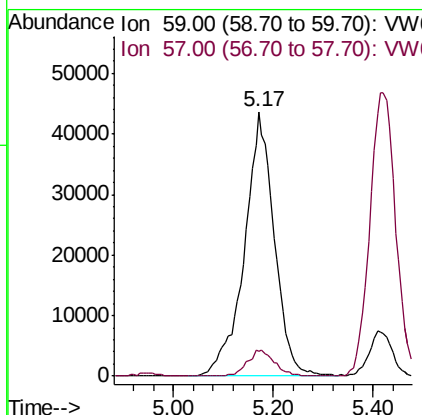
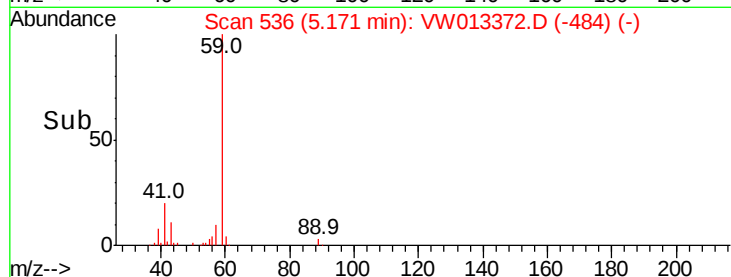
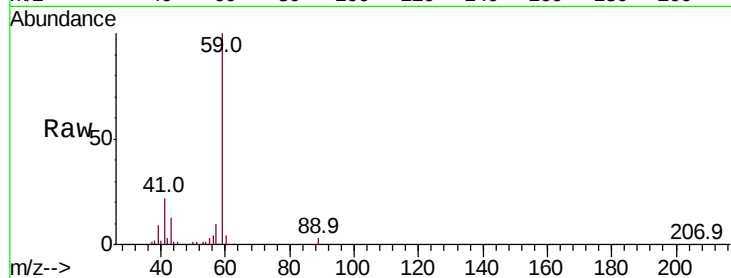


#11

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
ClientSampleId :
VSTDIC150

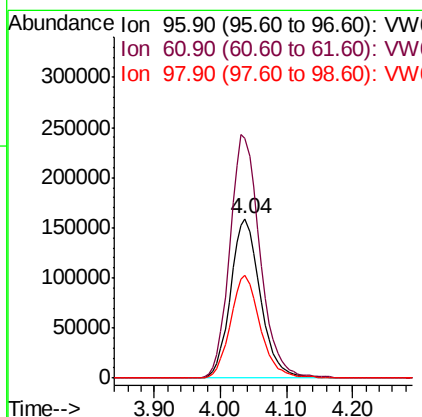
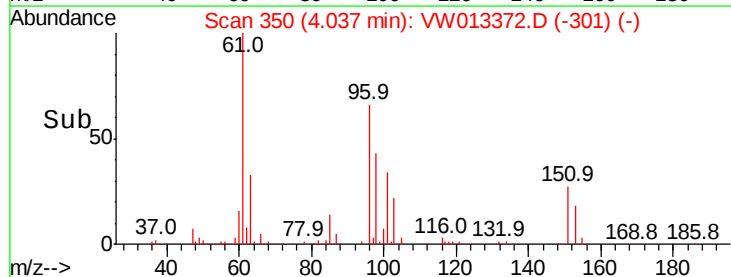
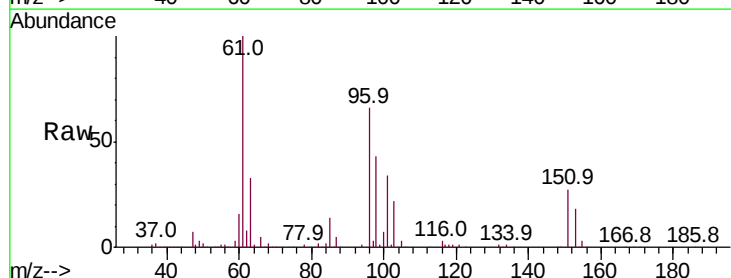
Tot Ion: 59 Resp: 181516
Ion Ratio Lower Upper
59 100
57 8.9 8.2 12.2

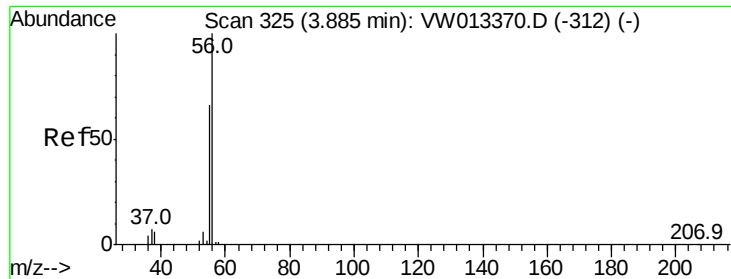


#12

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 :

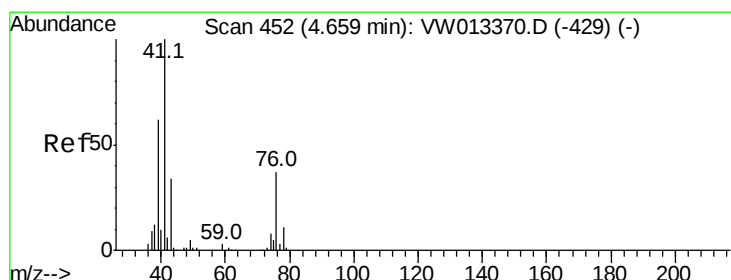
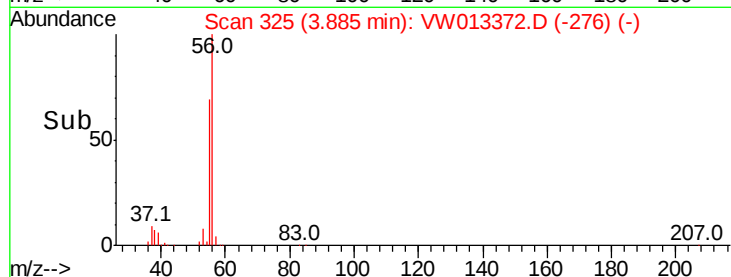
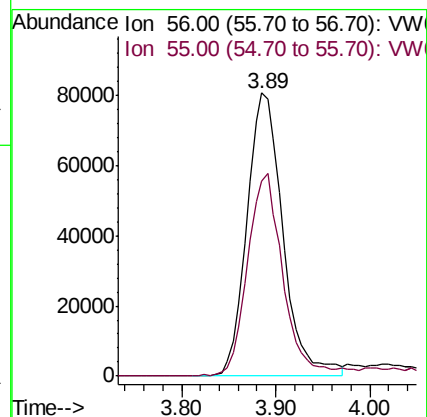
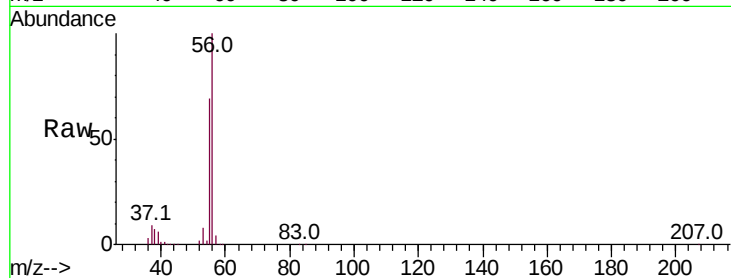
VSTDIC150

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

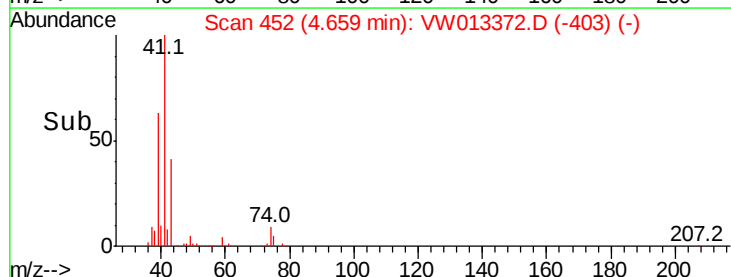
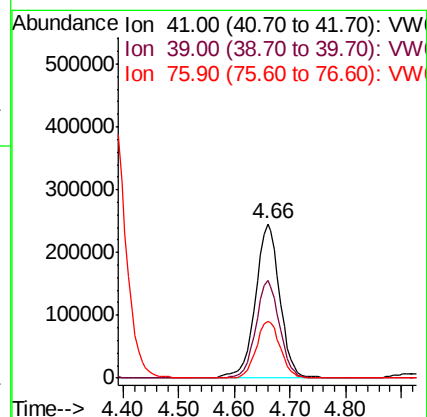
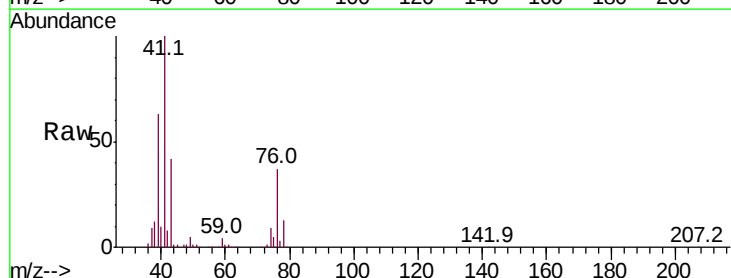
Tgt Ion: 41 Resp: 755524

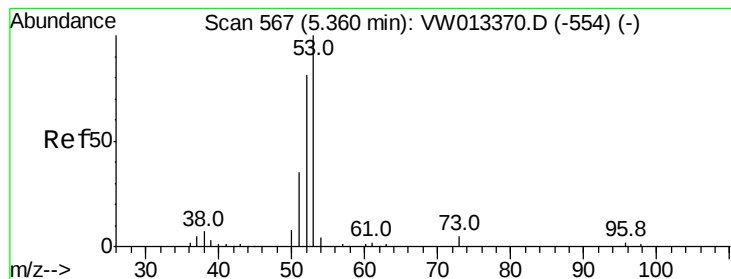
Ion Ratio Lower Upper

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 :

VSTDIC150

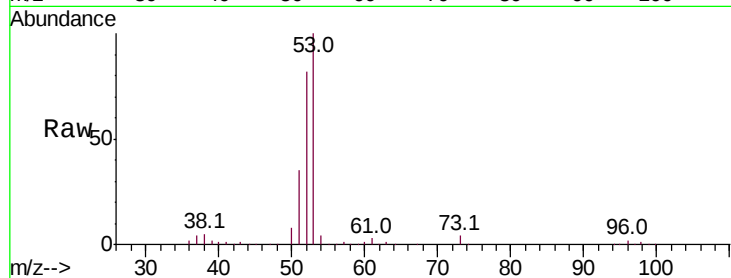
Tot Ion: 53 Resp: 589708

Ion Ratio Lower Upper

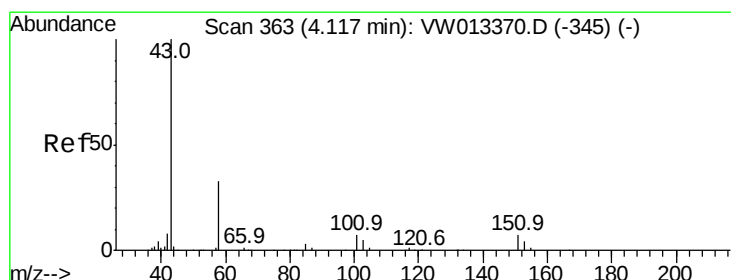
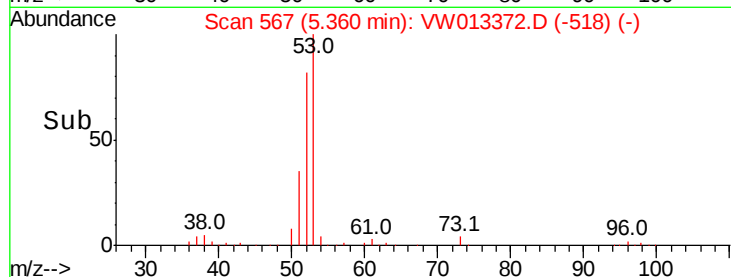
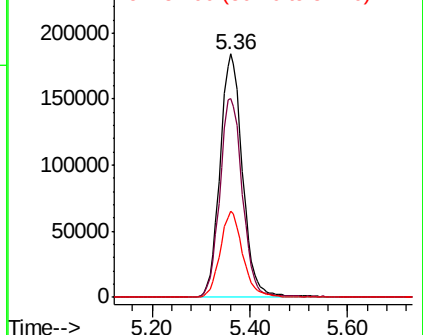
53 100

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

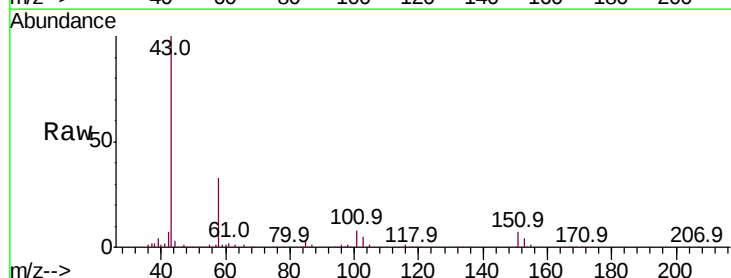
Acq: 01 Oct 2019 15:12

Tgt Ion: 43 Resp: 607547

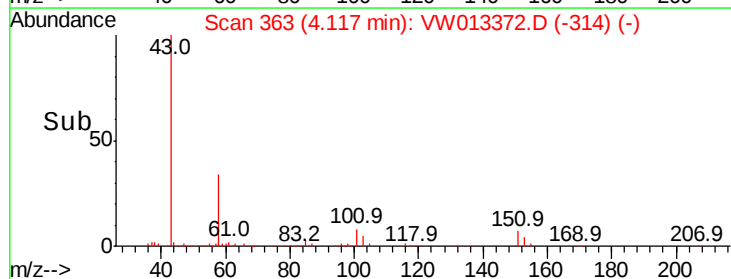
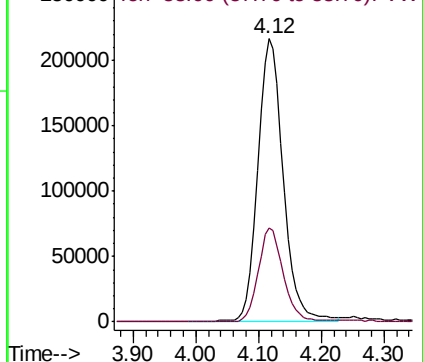
Ion Ratio Lower Upper

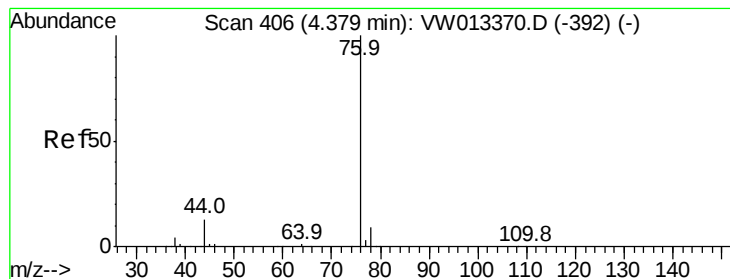
43 100

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 :

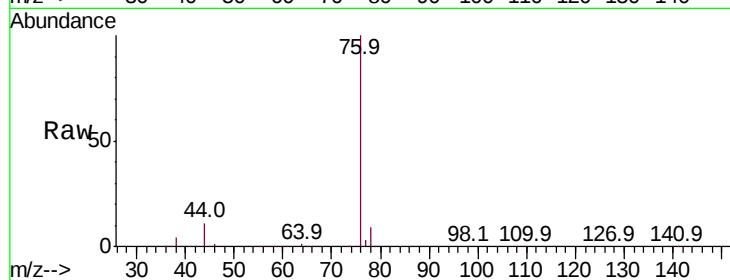
VSTDIC150

Tot Ion: 76 Resp: 1448246

Ion Ratio Lower Upper

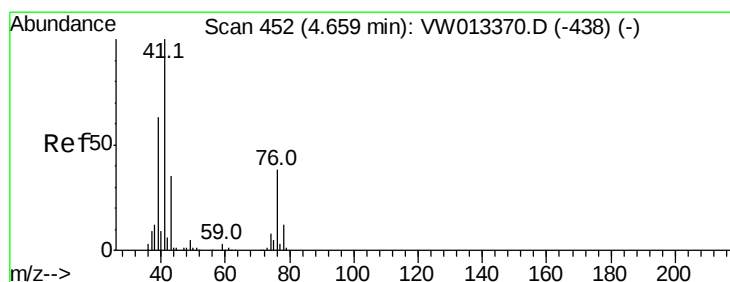
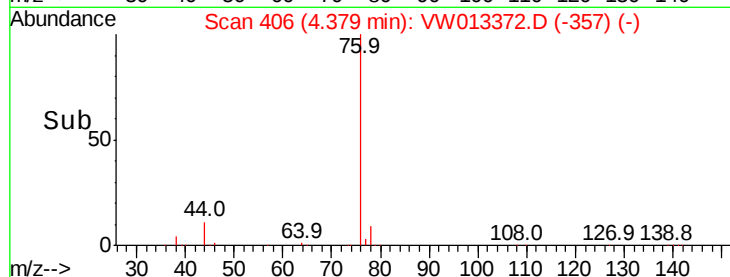
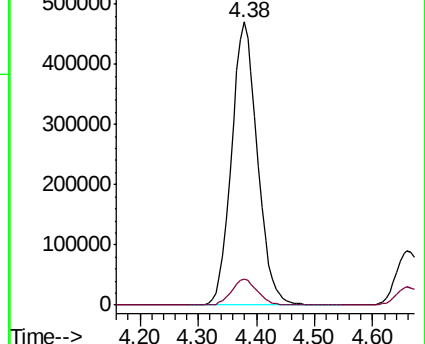
76 100

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

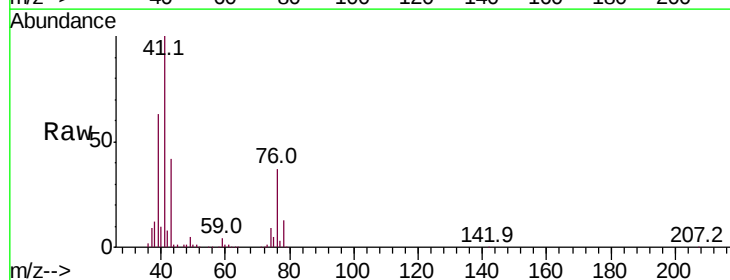
Acq: 01 Oct 2019 15:12

Tgt Ion: 43 Resp: 297663

Ion Ratio Lower Upper

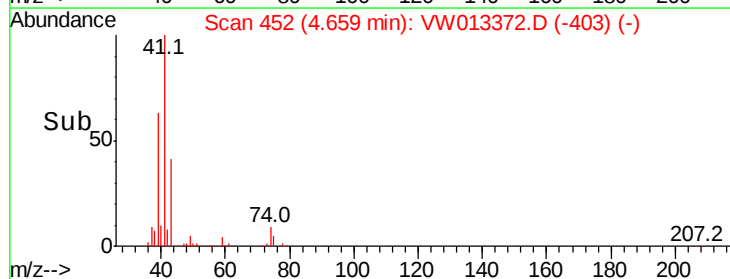
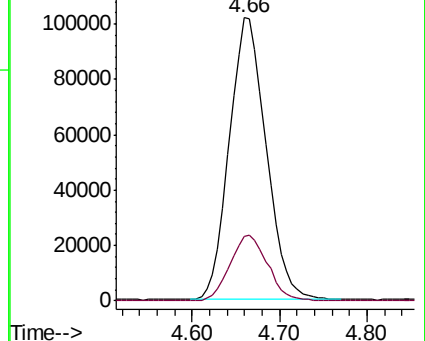
43 100

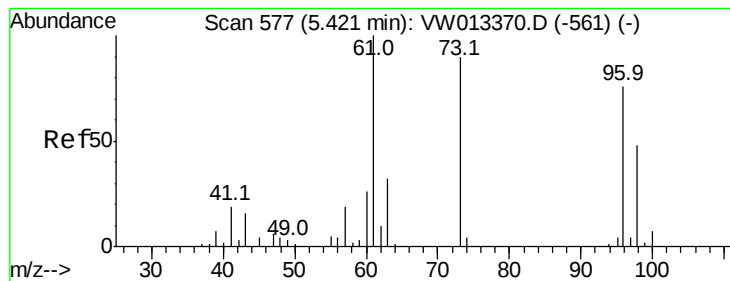
74 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



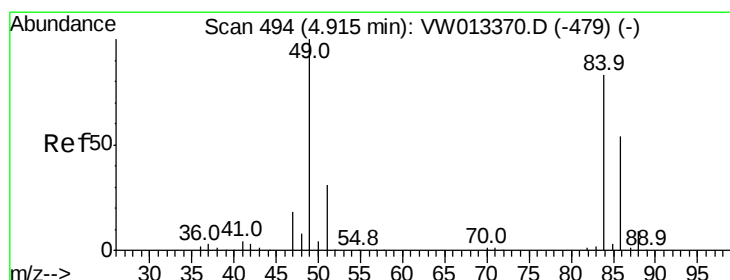
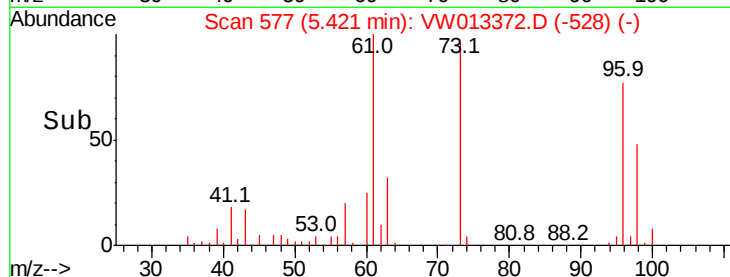
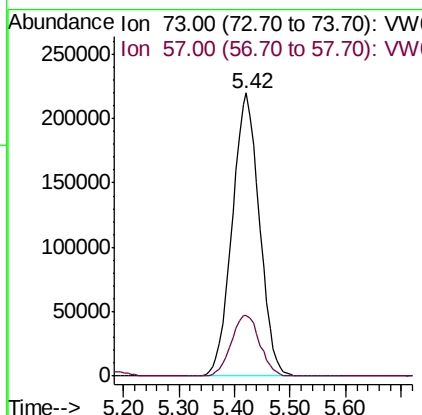
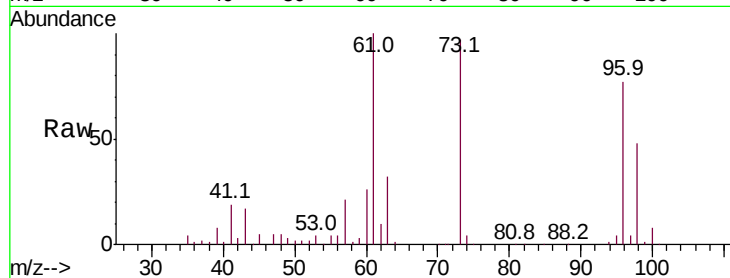


#19

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
 ClientSampleId :
 VSTDIC150

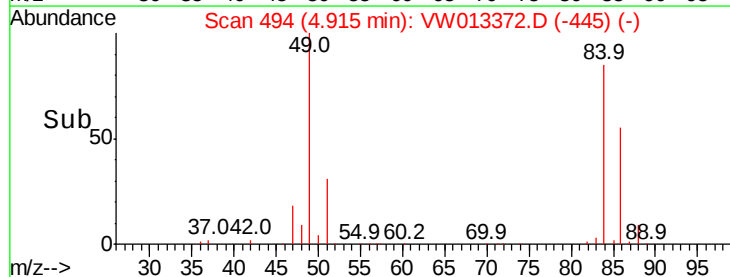
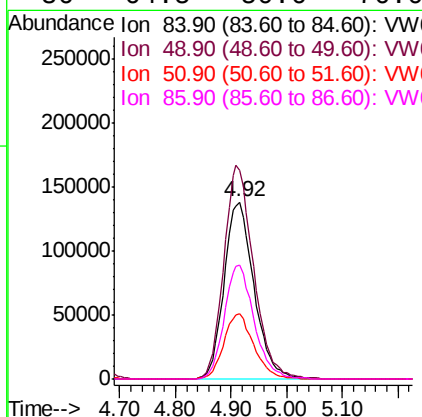
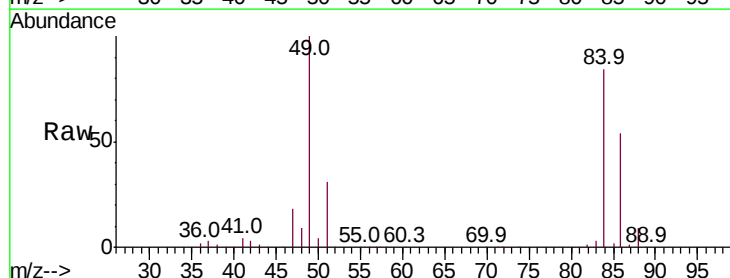
Tot Ion: 73 Resp: 743189
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.6 26.4

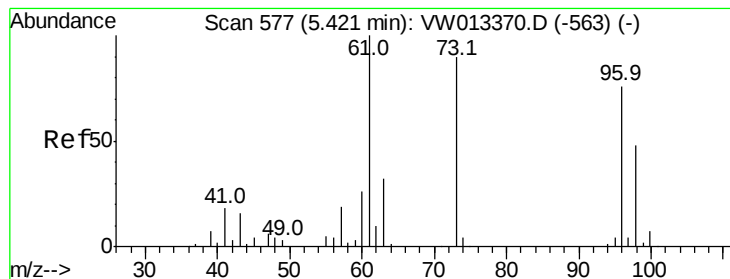


#20

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

ClientSampleId :

VSTDIC150

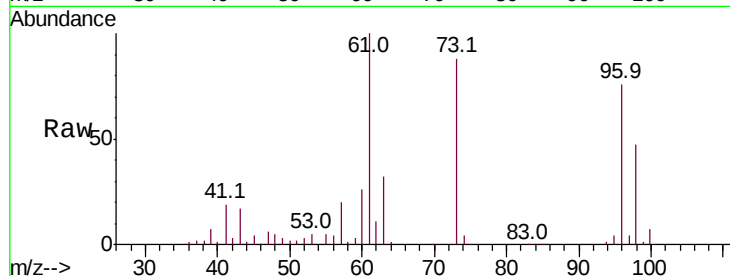
Tot Ion: 96 Resp: 538785

Ion Ratio Lower Upper

96 100

61 131.2 106.6 159.8

98 62.2 49.8 74.8

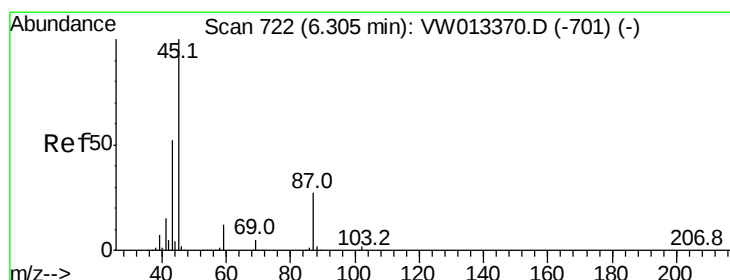
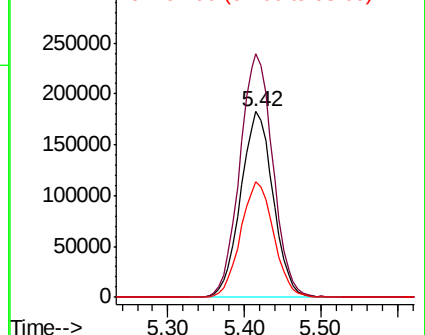
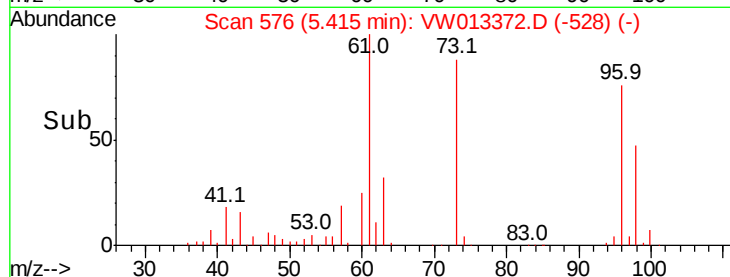


Abundance

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

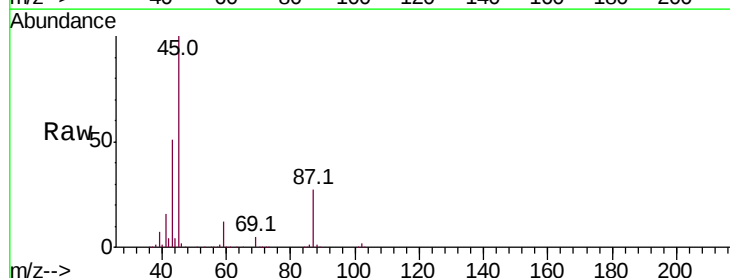
Ion Ratio Lower Upper

45 100

43 50.7 42.4 63.6

87 27.1 20.4 30.6

59 11.6 8.8 13.2



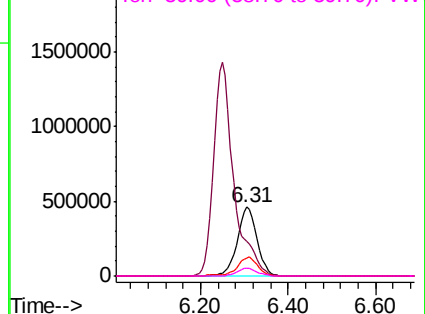
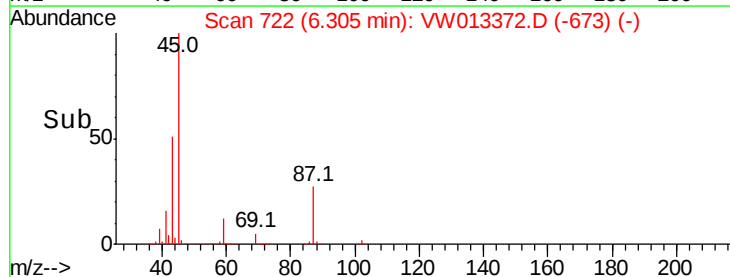
Abundance

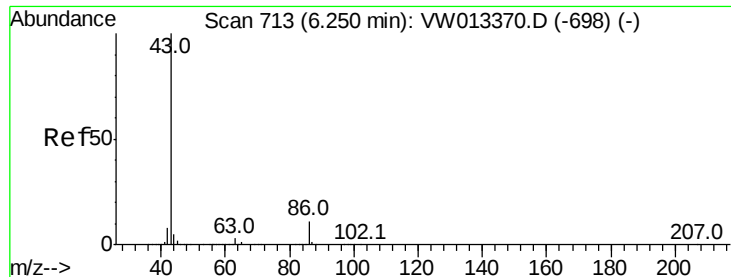
Ion 45.00 (44.70 to 45.70): VW

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 :

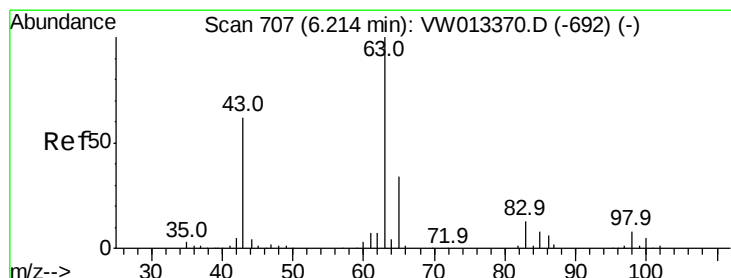
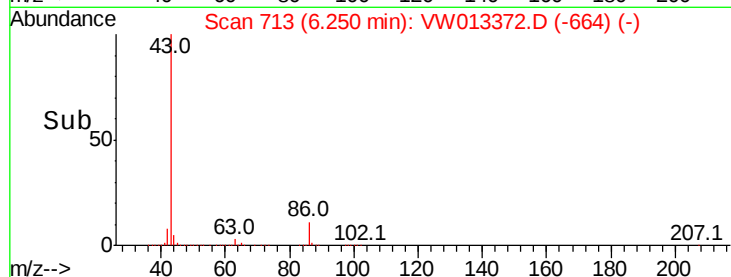
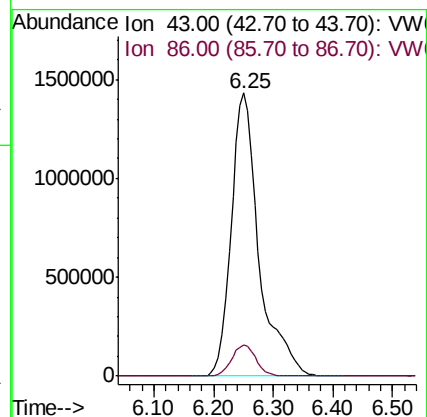
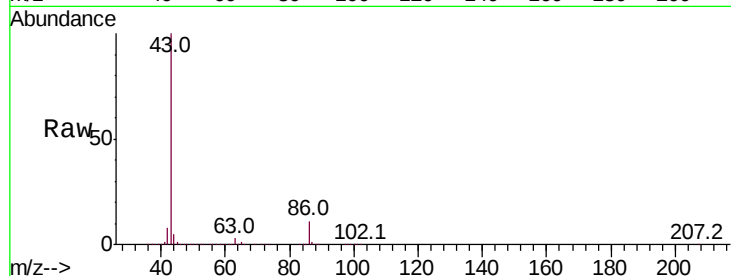
VSTDIC150

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

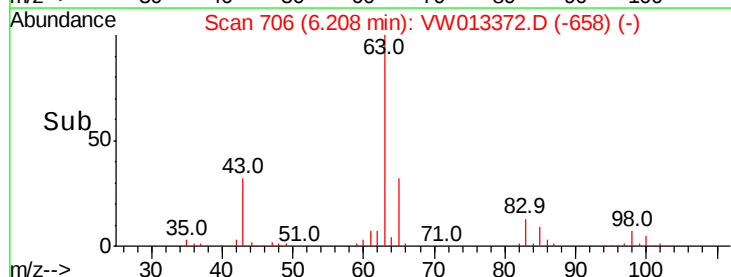
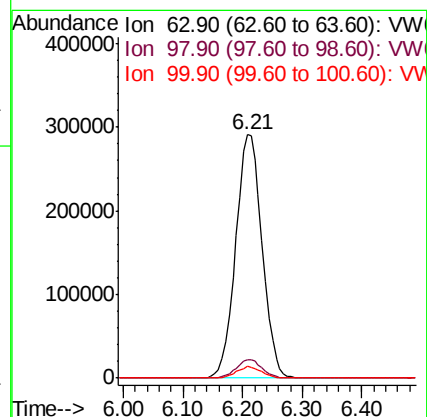
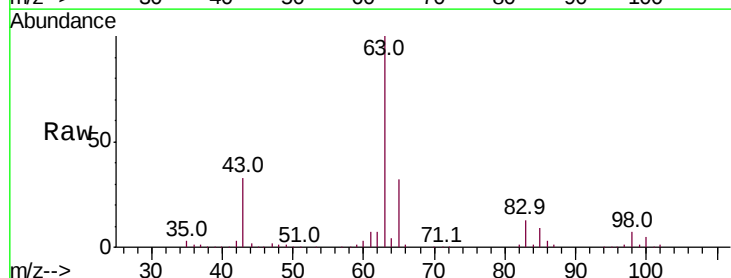
Tgt Ion: 63 Resp: 892058

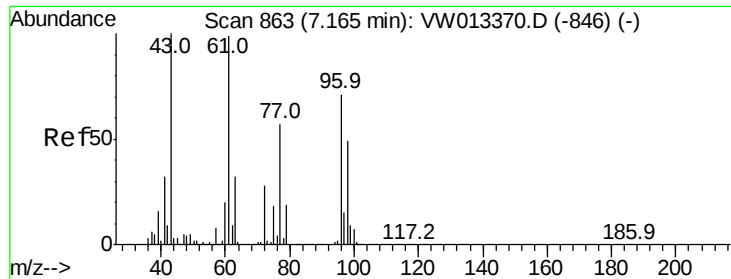
Ion Ratio Lower Upper

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

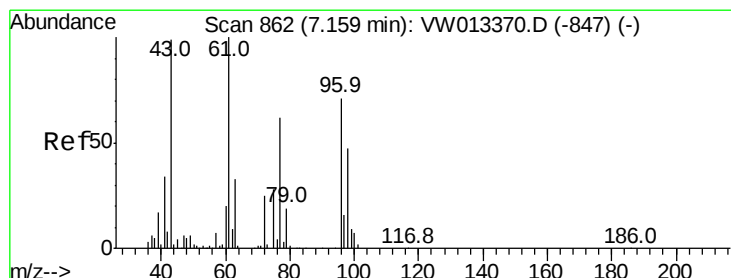
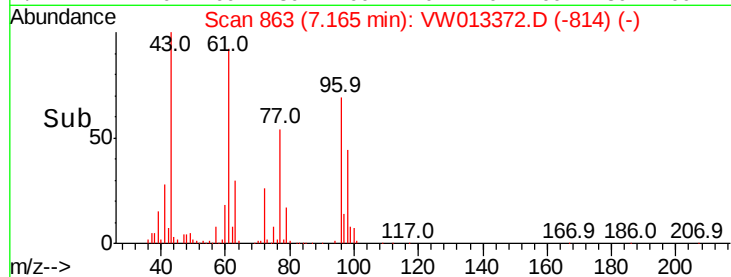
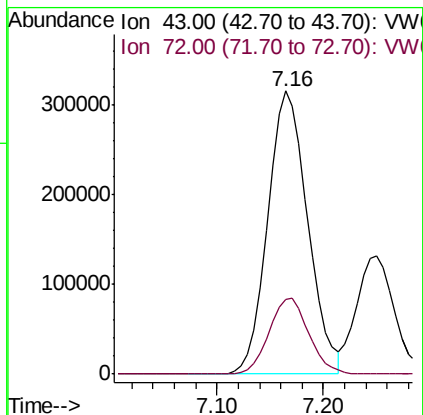
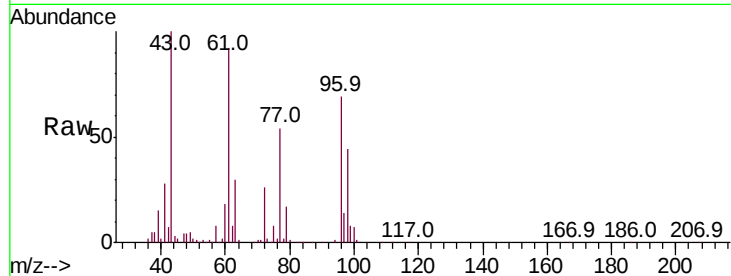
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

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

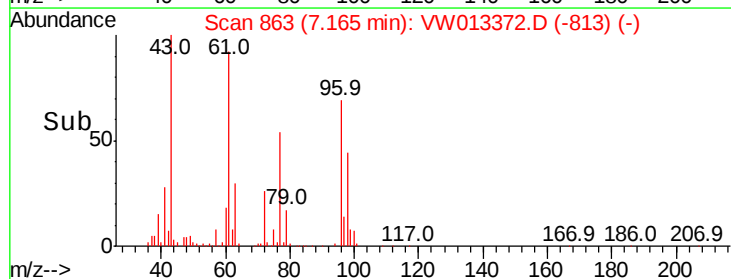
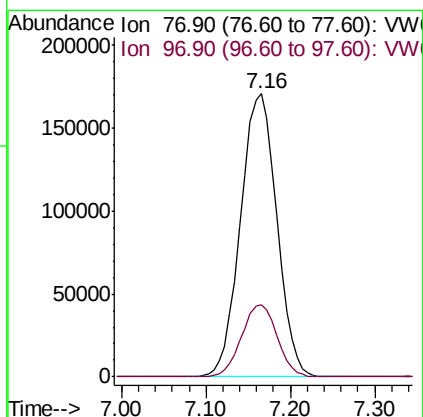
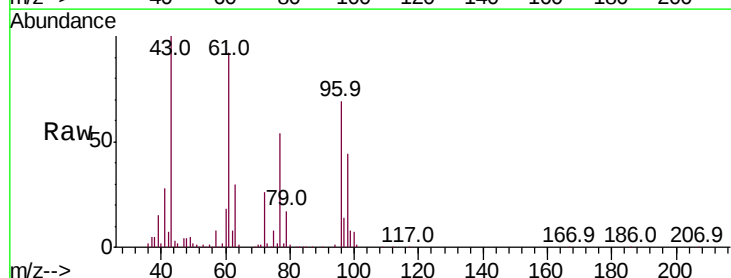
Acq: 01 Oct 2019 15:12

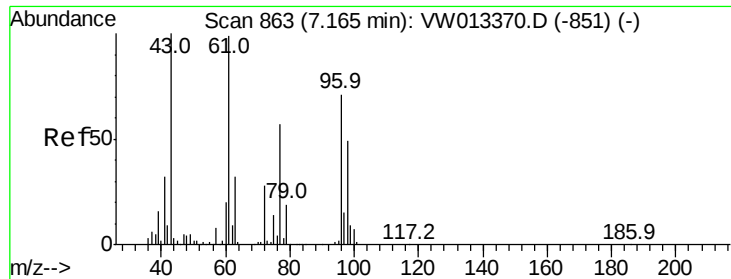
Tgt Ion: 77 Resp: 498501

Ion Ratio Lower Upper

77 100

97 25.1 11.8 35.4



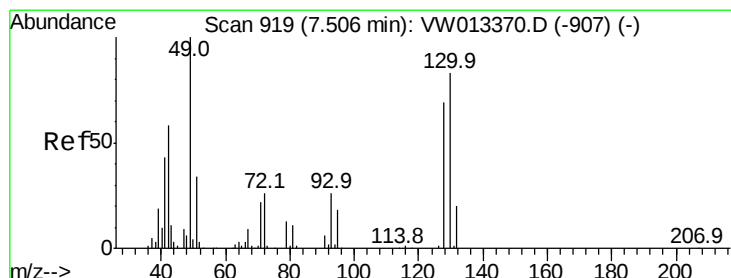
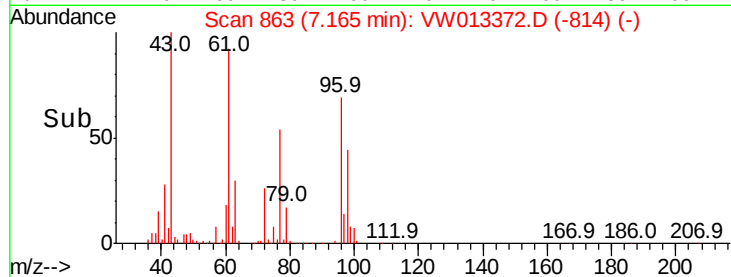
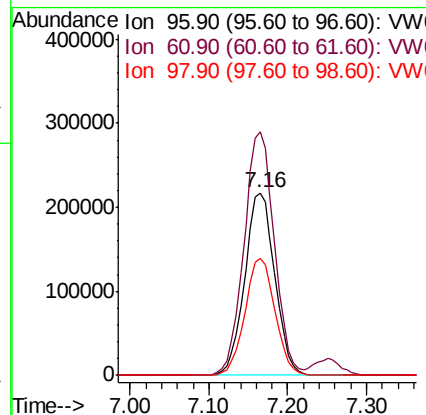
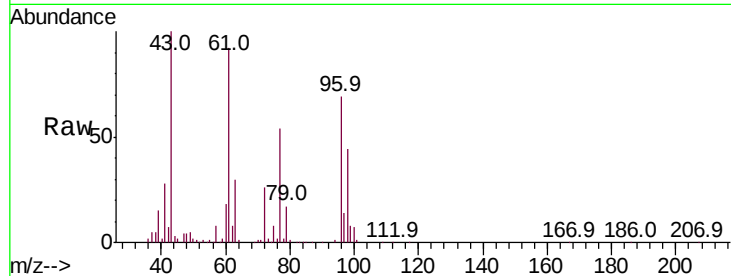


#27

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 :
 VSTDIC150

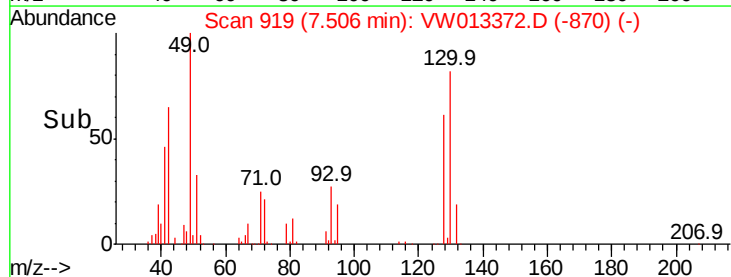
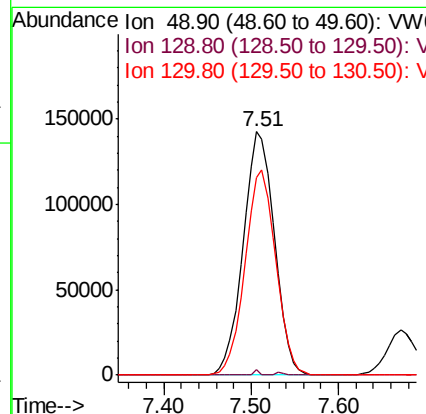
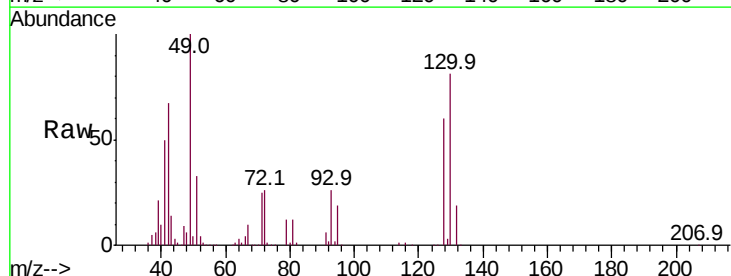
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	282.4
98	64.2	0.0	128.2

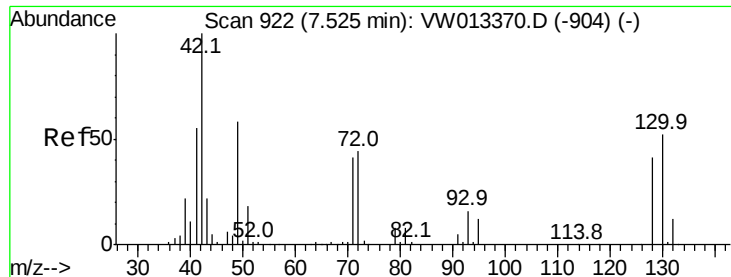


#28

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

ClientSampleId :

VSTDIC150

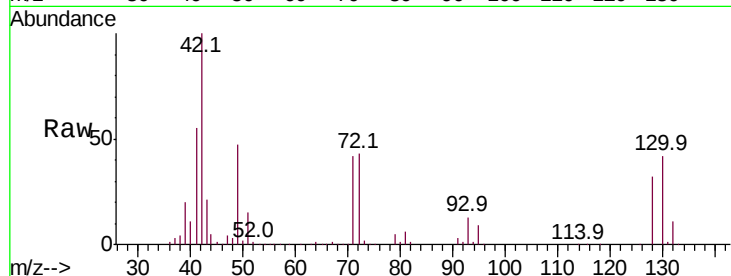
Tot Ion: 42 Resp: 493287

Ion Ratio Lower Upper

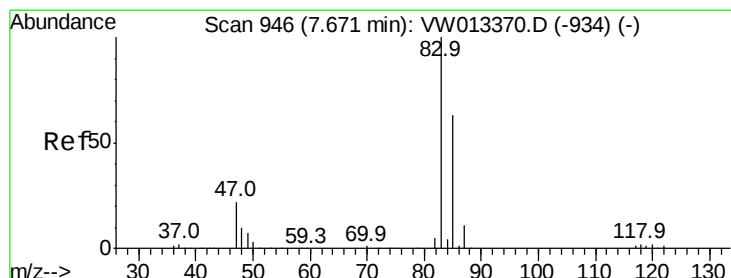
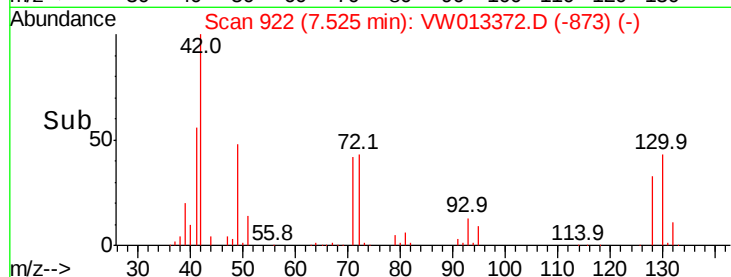
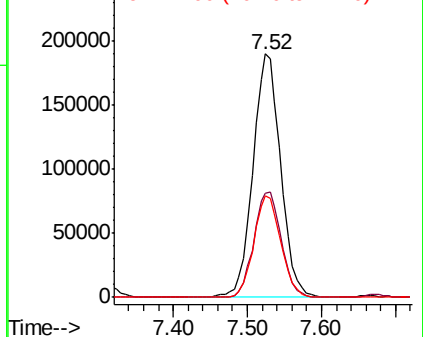
42 100

72 43.1 33.9 50.9

71 40.8 31.9 47.9



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



#30

Chloroform

Concen: 141.303 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013372.D

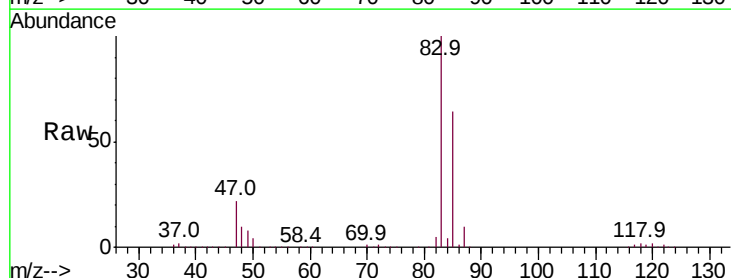
Acq: 01 Oct 2019 15:12

Tgt Ion: 83 Resp: 851377

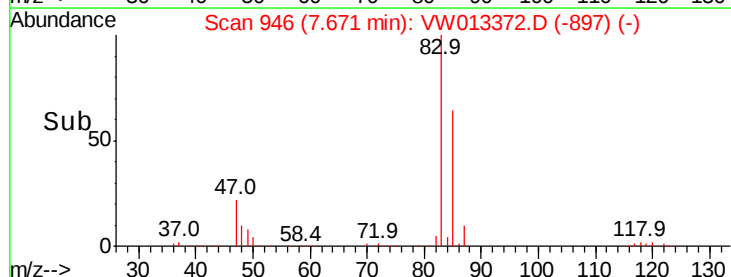
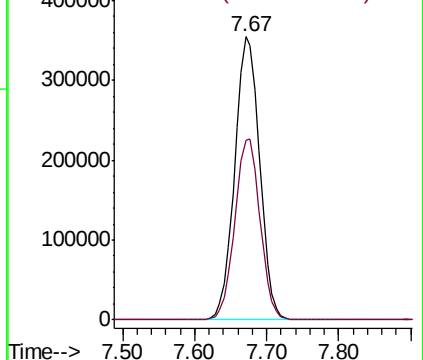
Ion Ratio Lower Upper

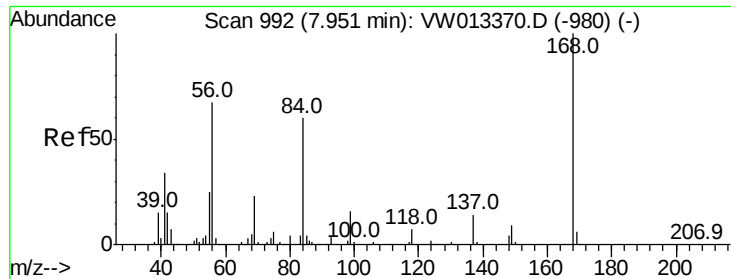
83 100

85 63.7 52.3 78.5



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

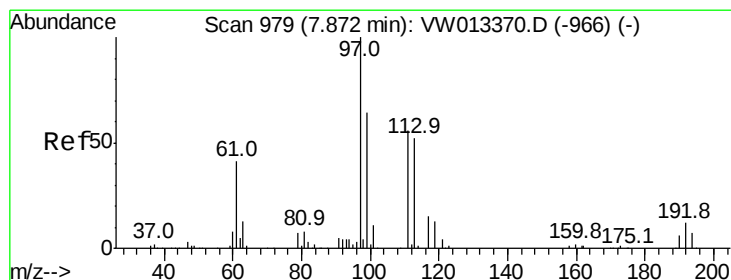
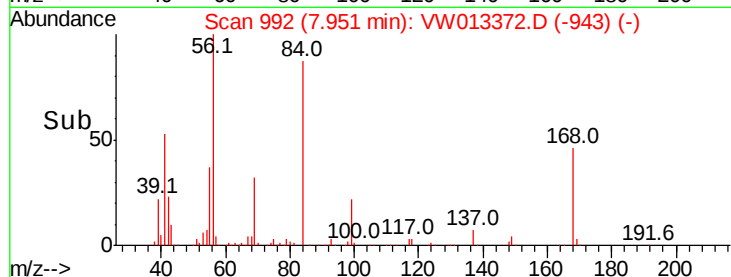
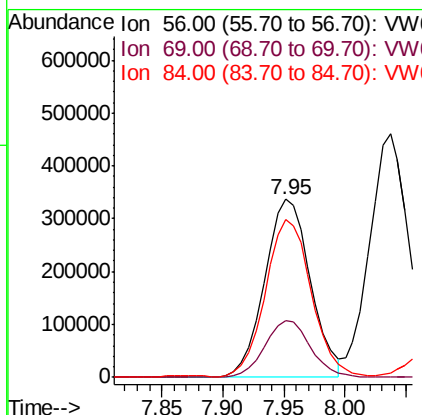
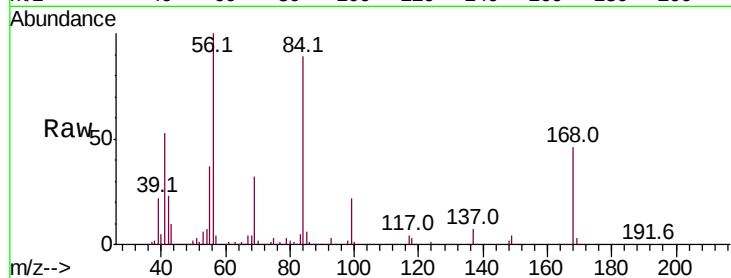




#31
Cyclohexane
Concen: 136.696 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

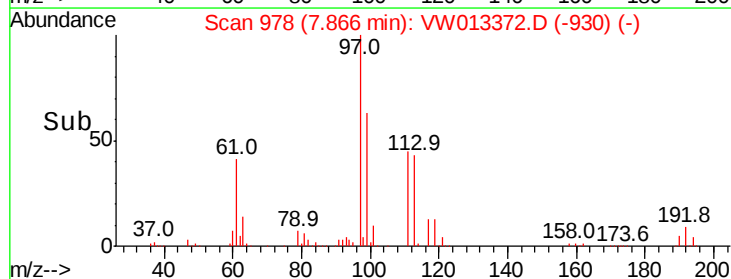
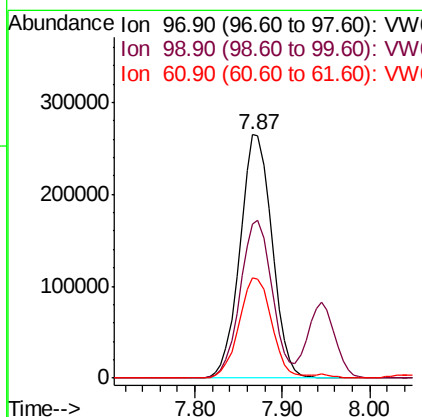
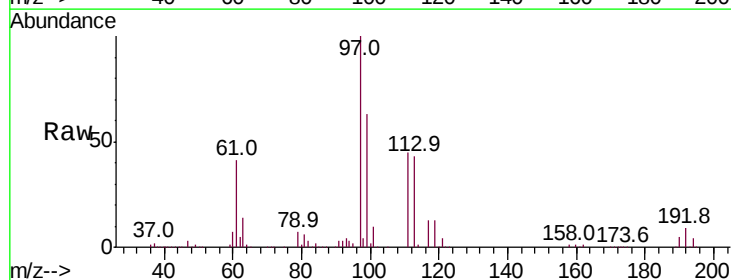
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

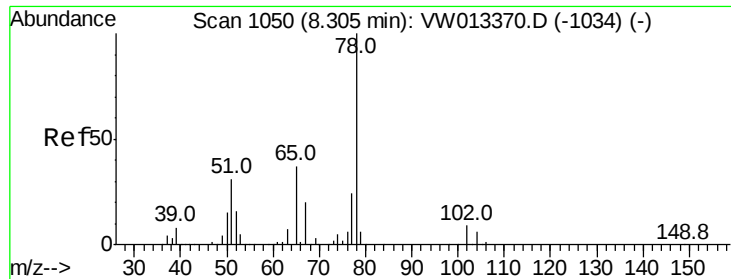
Tot Ion: 56 Resp: 876916
Ion Ratio Lower Upper
56 100
69 32.0 27.2 40.8
84 88.1 70.8 106.2



#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





#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 :

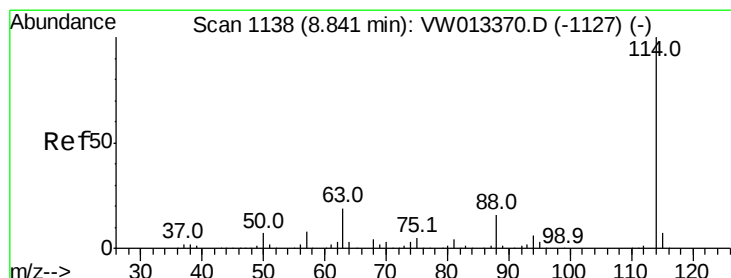
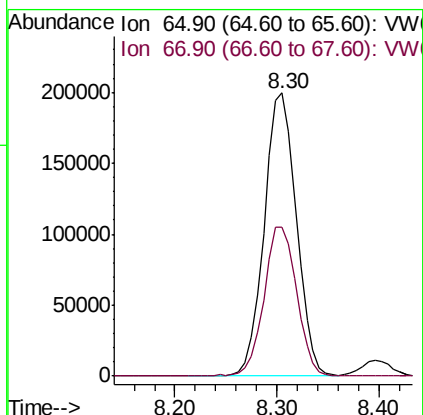
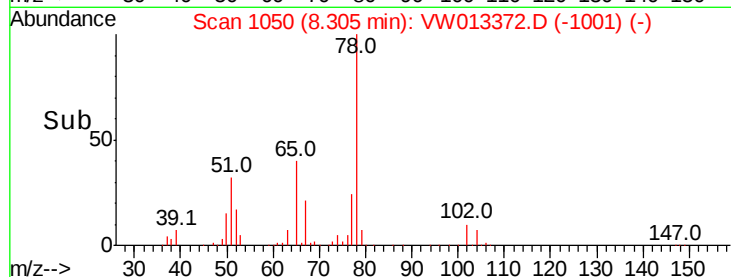
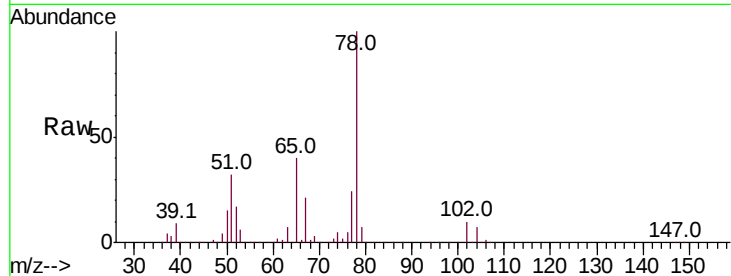
VSTDIC150

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

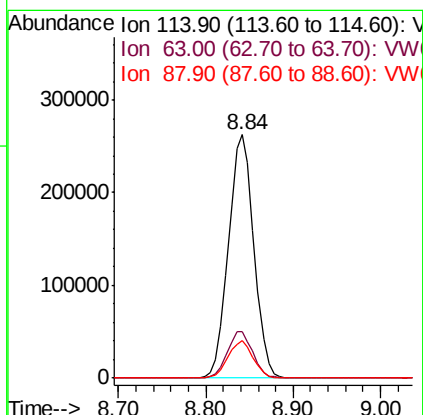
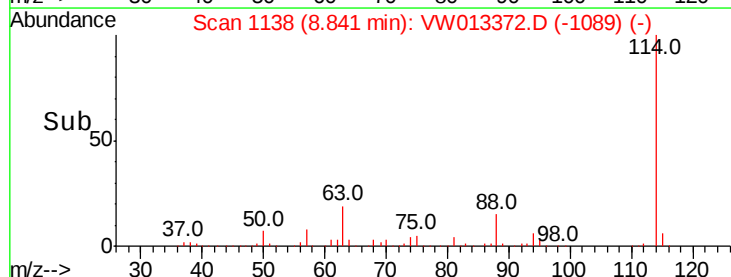
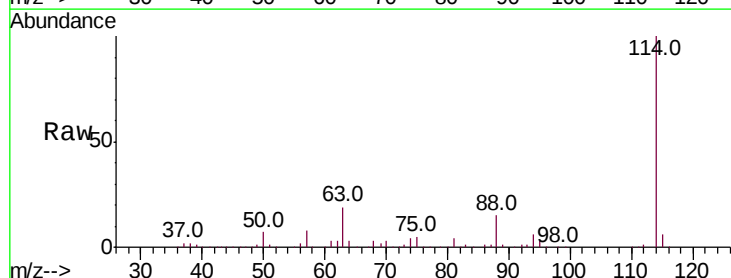
Tgt Ion: 114 Resp: 528047

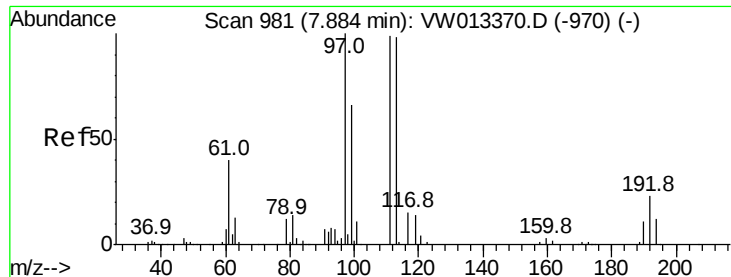
Ion Ratio Lower Upper

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

ClientSampleId :

VSTDIC150

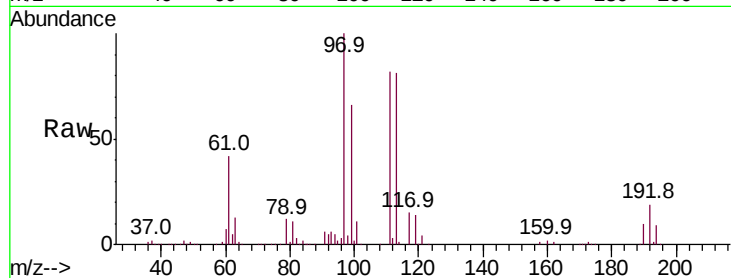
Tot Ion:113 Resp: 441706

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

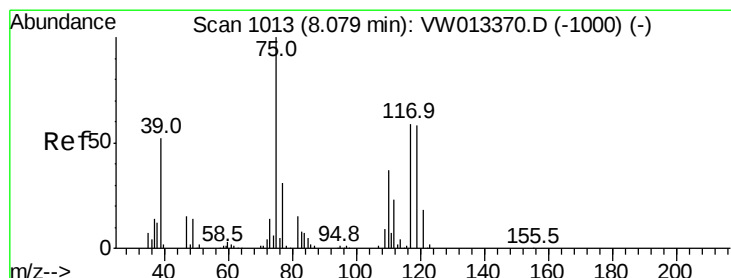
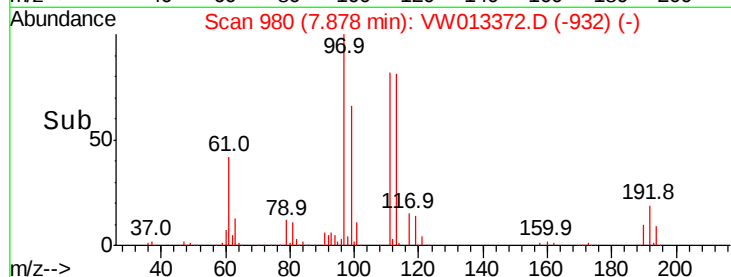
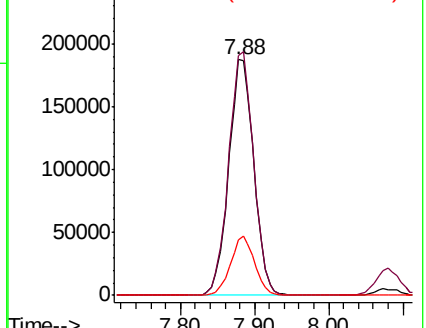
192 24.1 19.1 28.7



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

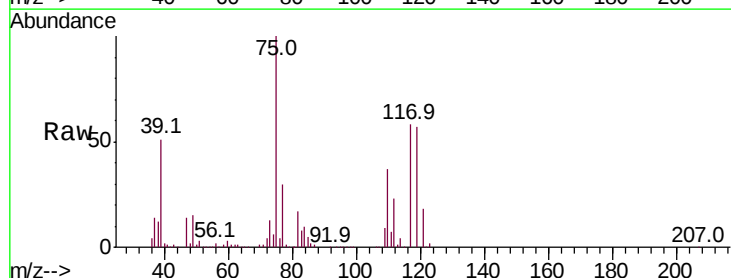
Tgt Ion: 75 Resp: 724013

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.3

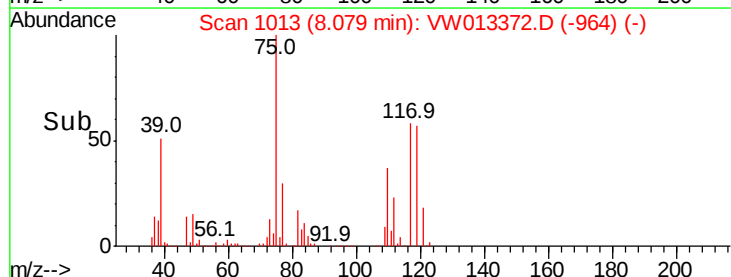
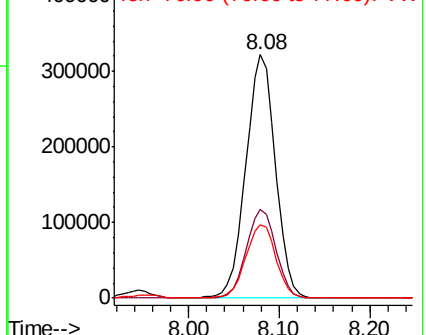
77 31.0 25.8 38.6

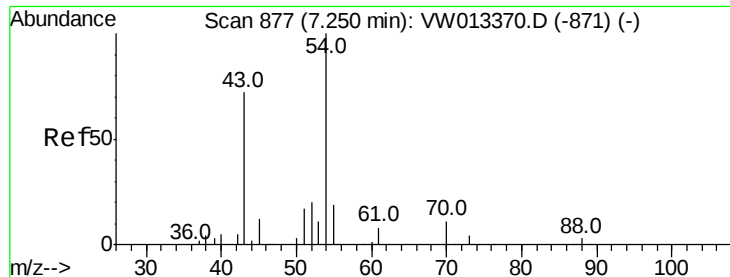


Abundance Ion 74.90 (74.60 to 75.60): VW

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

ClientSampleId :

VSTDIC150

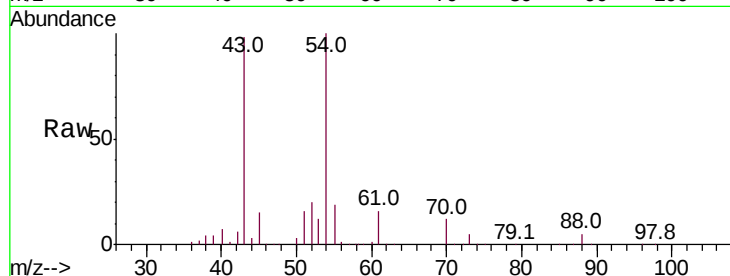
Tot Ion: 43 Resp: 334839

Ion Ratio Lower Upper

43 100

61 14.1 10.9 16.3

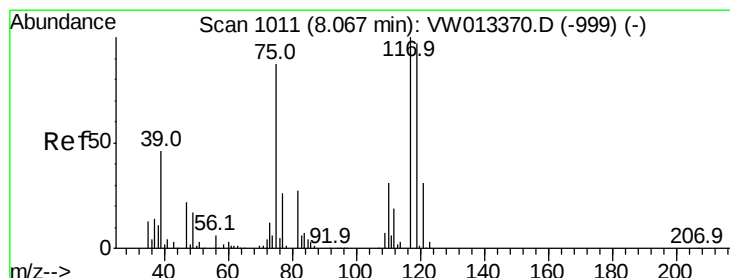
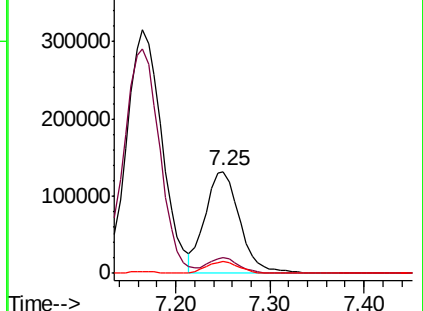
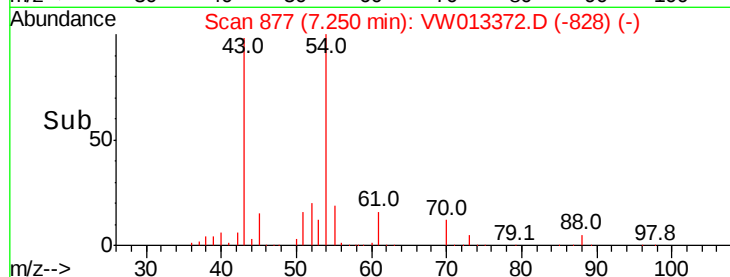
70 11.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#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

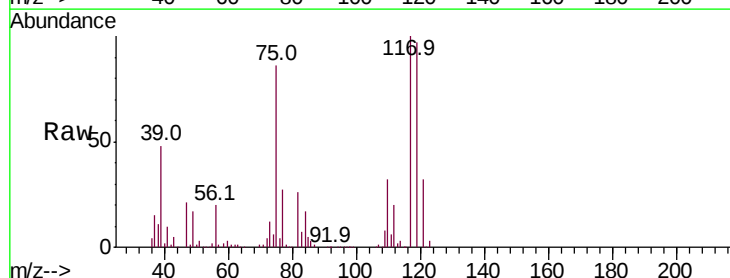
Tgt Ion: 117 Resp: 650393

Ion Ratio Lower Upper

117 100

119 97.3 73.5 110.3

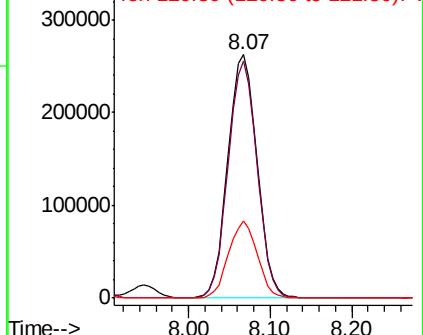
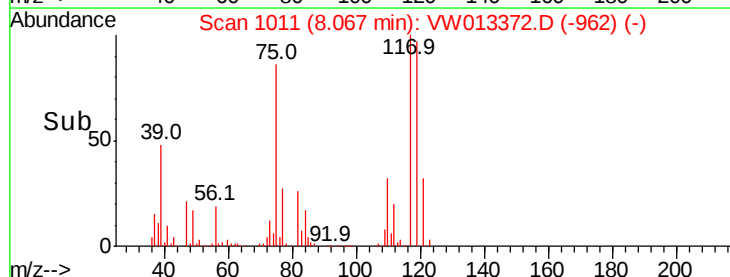
121 31.9 25.0 37.6

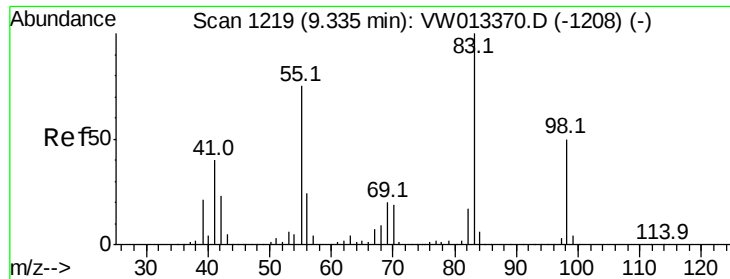


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

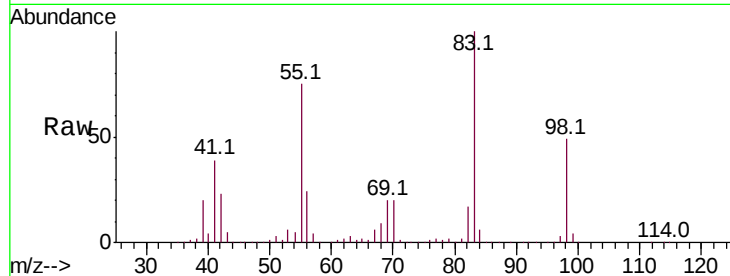




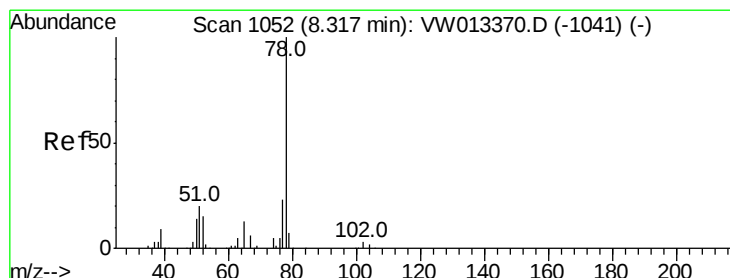
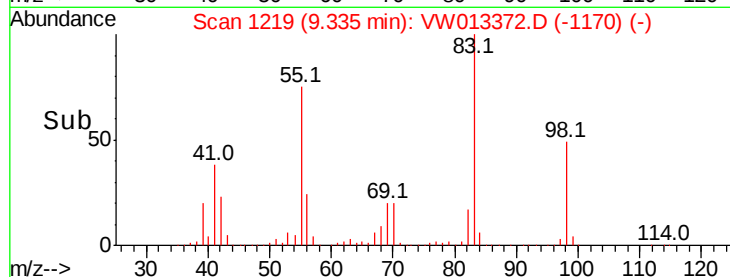
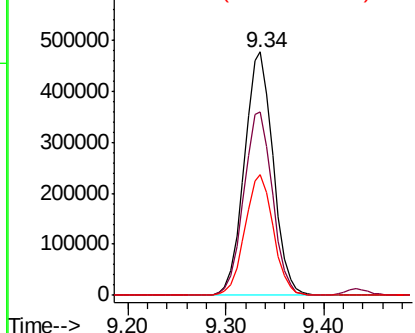
#39
Methvlcvclohexane
Concen: 147.420 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

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

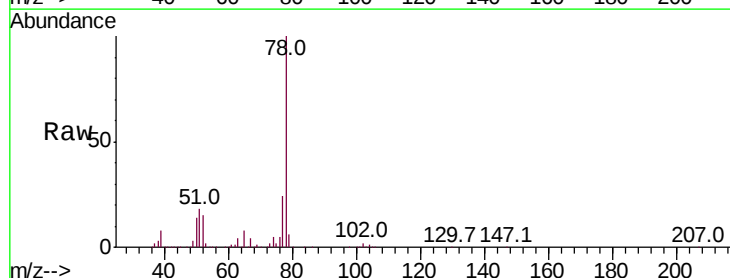


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

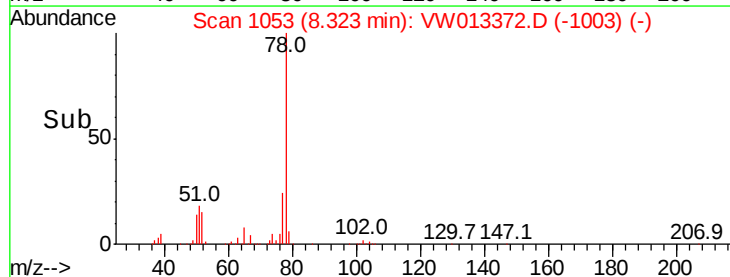
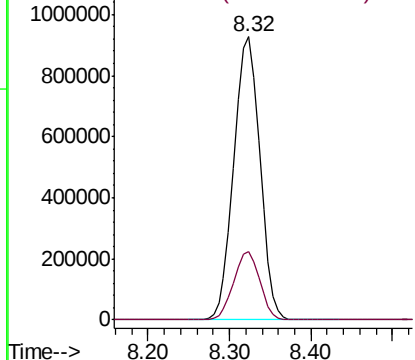


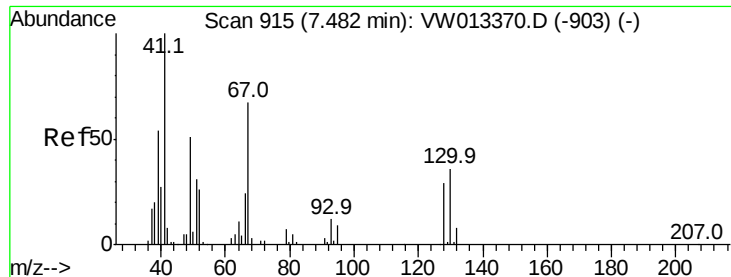
#40
Benzene
Concen: 143.864 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

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



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

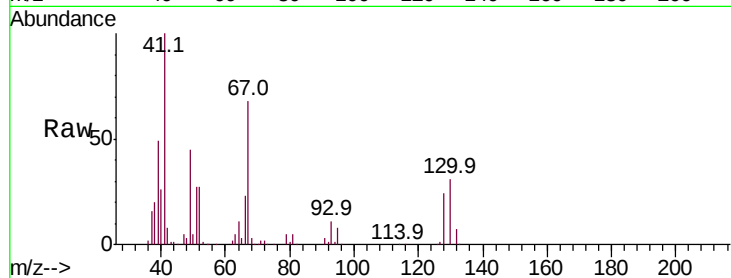




#41
Methacrylonitrile
Concen: 161.942 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

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



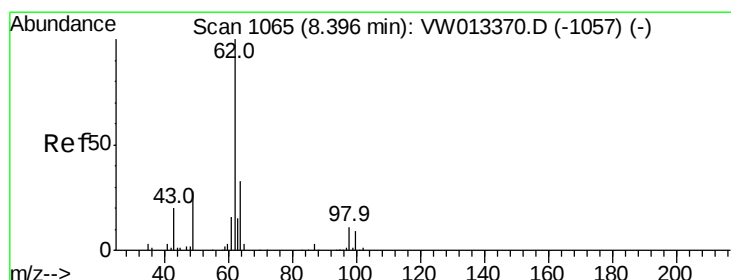
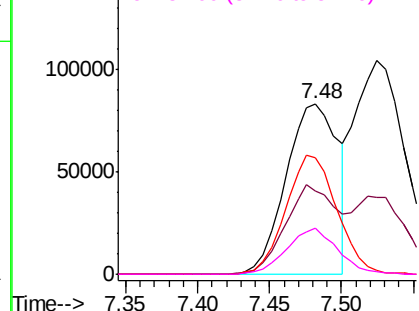
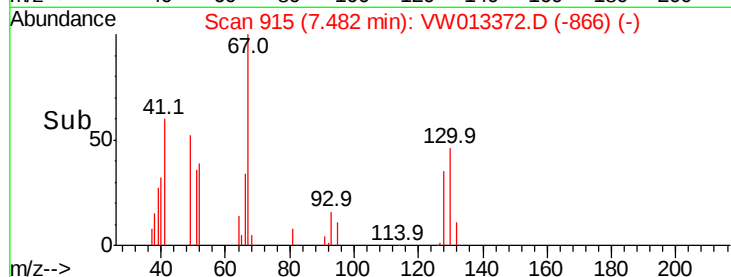
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

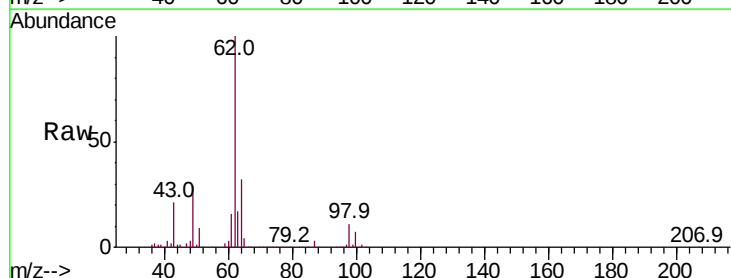
Ion 67.00 (66.70 to 67.70): VW

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

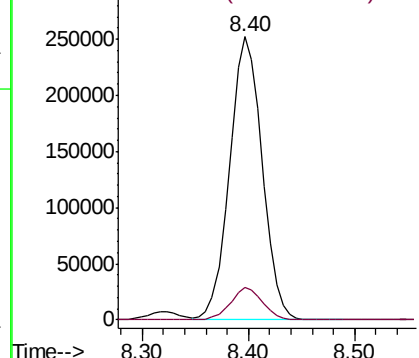
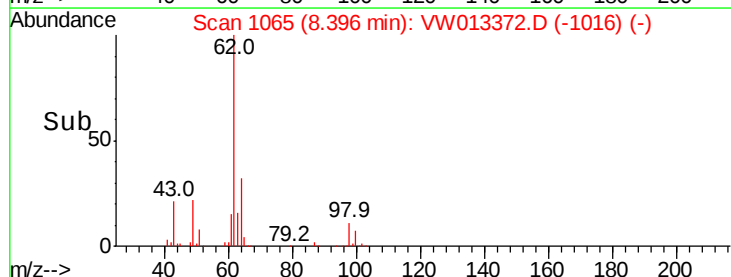
Tgt Ion:	62	Resp:	539278
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	20.6

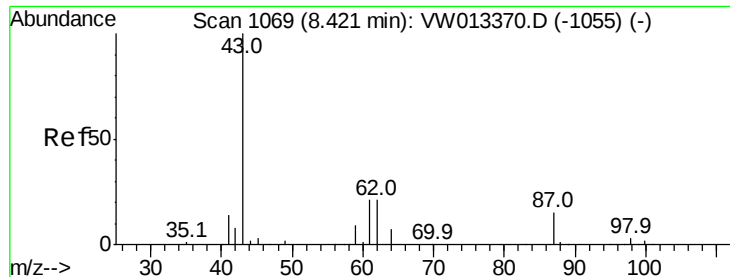


Abundance

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 :

VSTDIC150

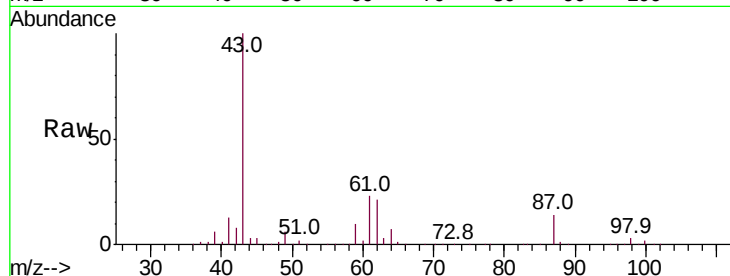
Tot Ion: 43 Resp: 640405

Ion Ratio Lower Upper

43 100

61 30.6 25.5 38.3

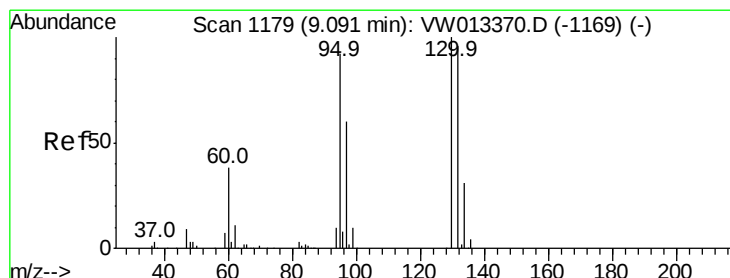
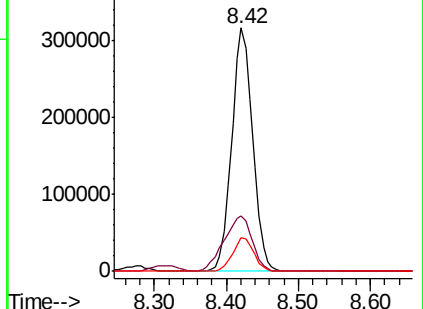
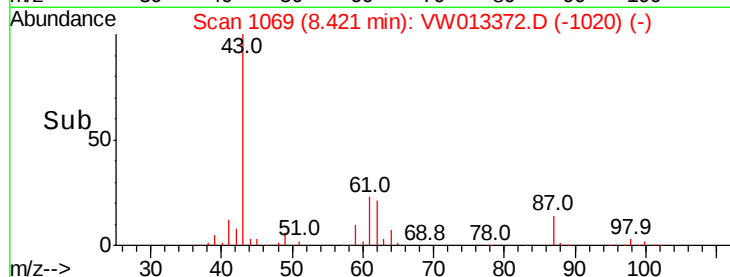
87 13.8 11.0 16.4



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

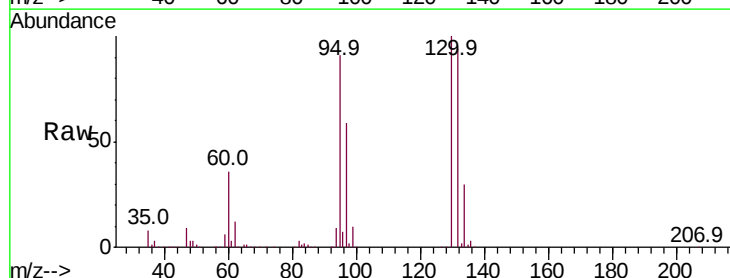
Acq: 01 Oct 2019 15:12

Tgt Ion:130 Resp: 588900

Ion Ratio Lower Upper

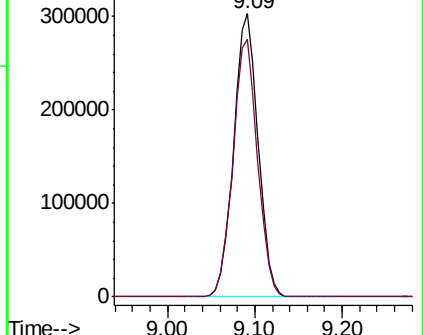
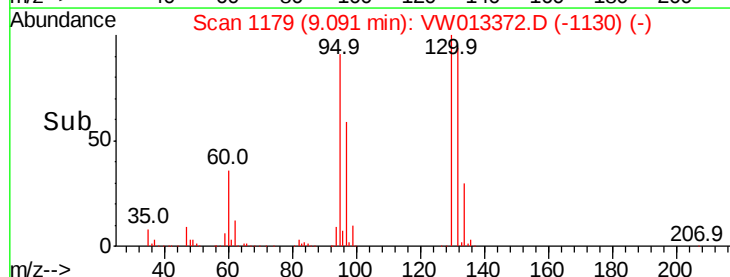
130 100

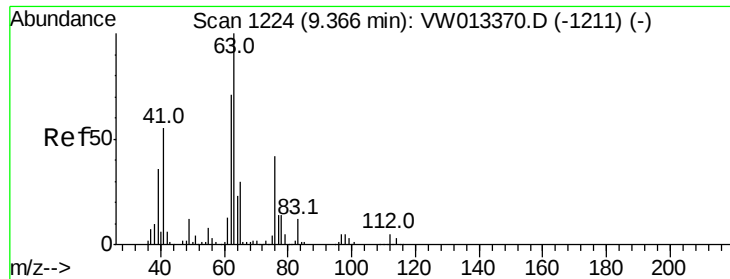
95 91.0 0.0 188.0



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

ClientSampleId :

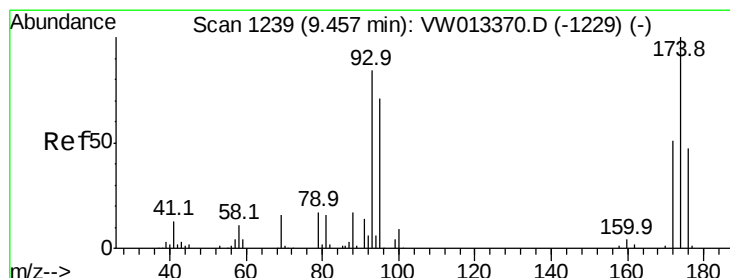
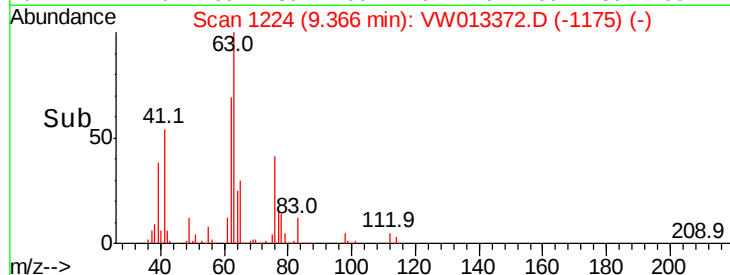
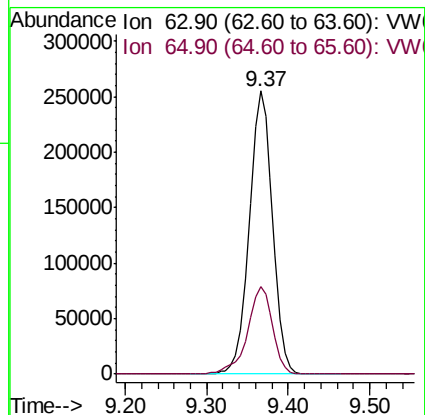
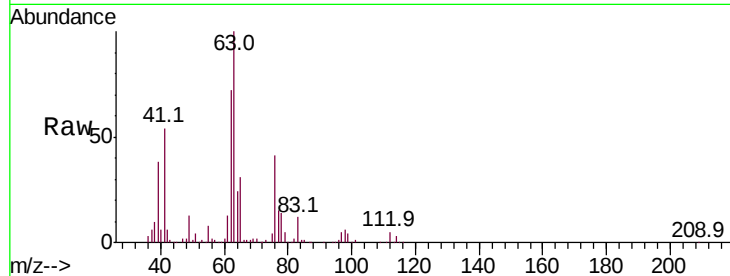
VSTDIC150

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

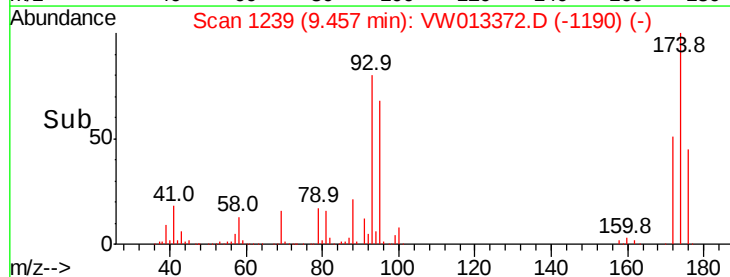
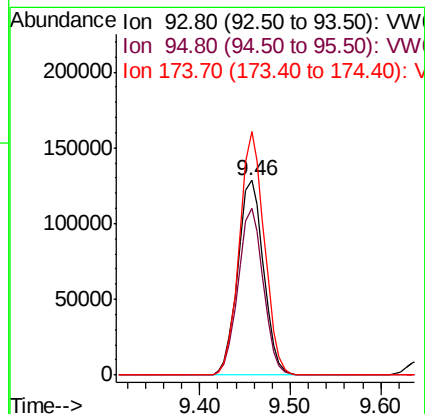
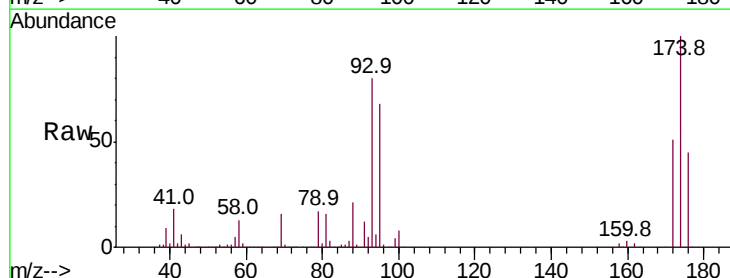
Tgt Ion: 93 Resp: 253328

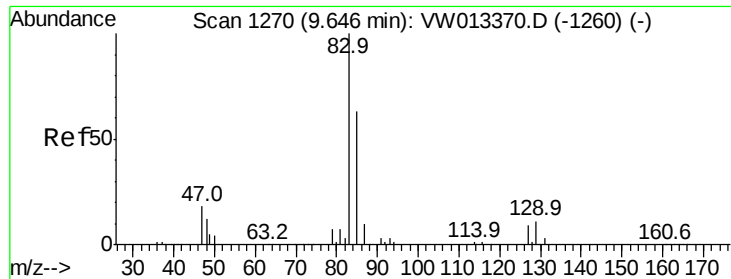
Ion Ratio Lower Upper

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

ClientSampleId :

VSTDIC150

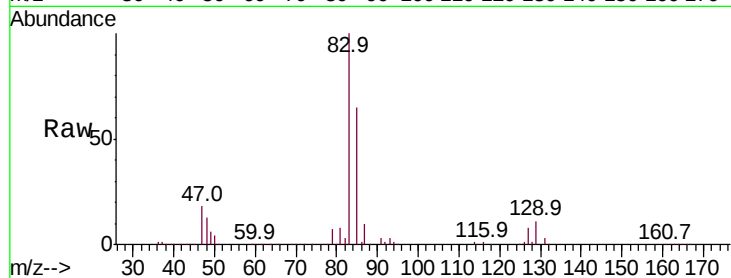
Tot Ion: 83 Resp: 642163

Ion Ratio Lower Upper

83 100

85 64.8 49.4 74.2

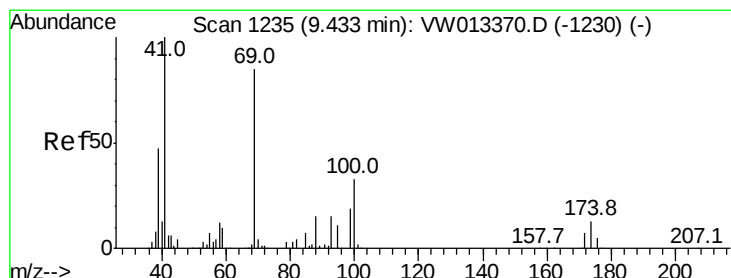
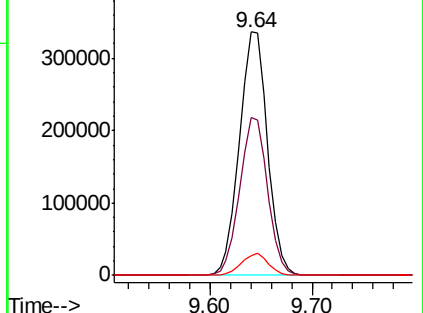
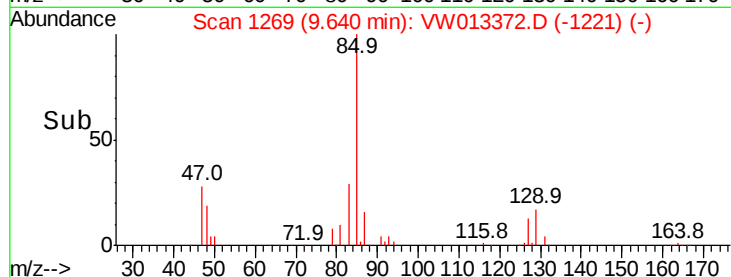
127 8.3 6.5 9.7



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): VW



#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

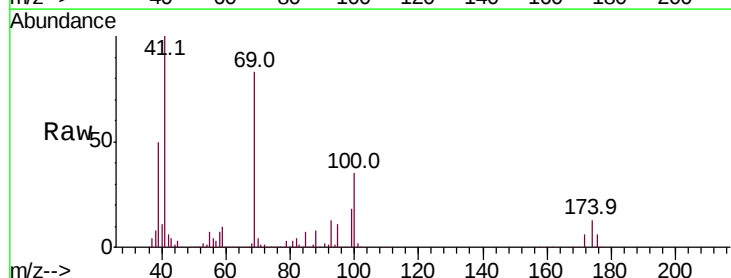
Tgt Ion: 41 Resp: 324425

Ion Ratio Lower Upper

41 100

69 85.3 69.7 104.5

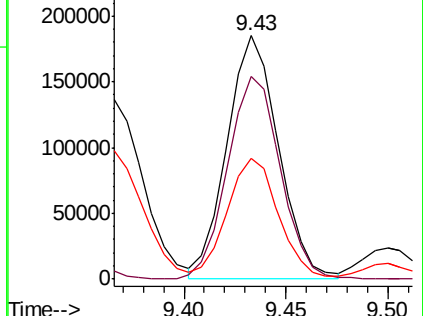
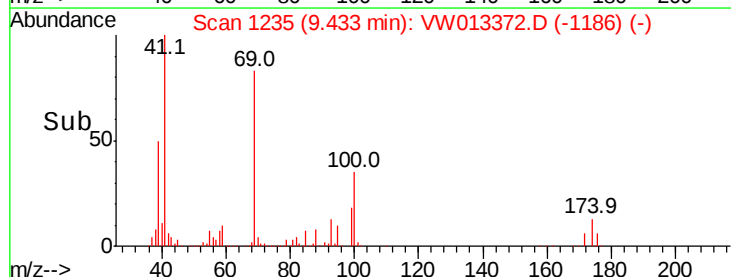
39 47.3 41.1 61.7

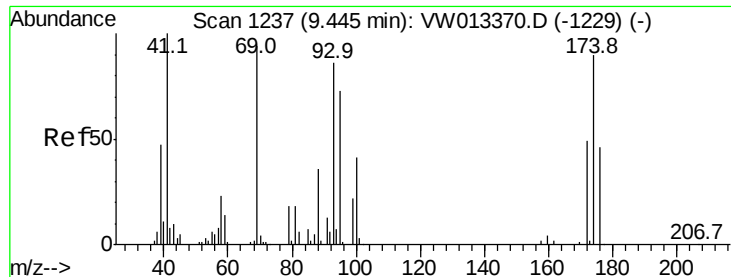


Abundance Ion 41.00 (40.70 to 41.70): VW

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

ClientSampleId :

VSTDIC150

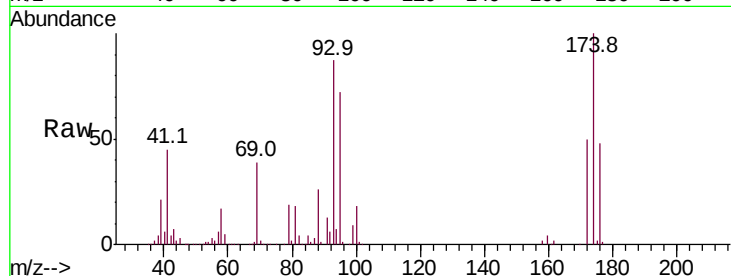
Tot Ion: 88 Resp: 78368

Ion Ratio Lower Upper

88 100

43 28.7 0.0 0.0#

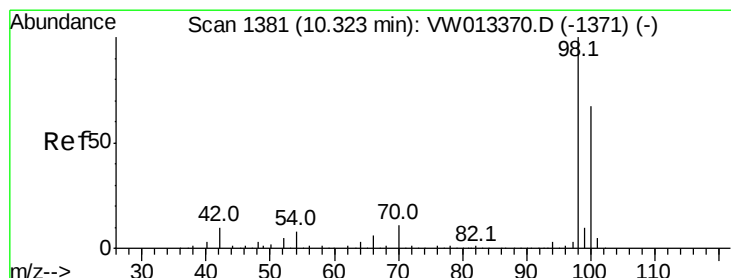
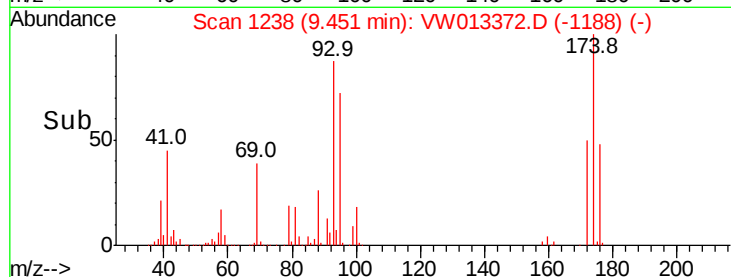
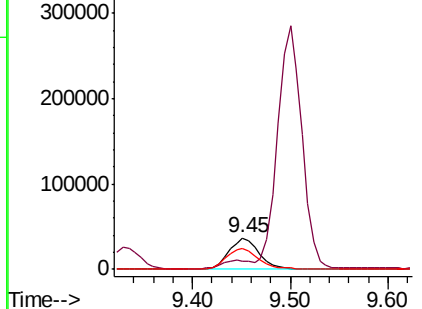
58 72.0 65.4 98.0



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

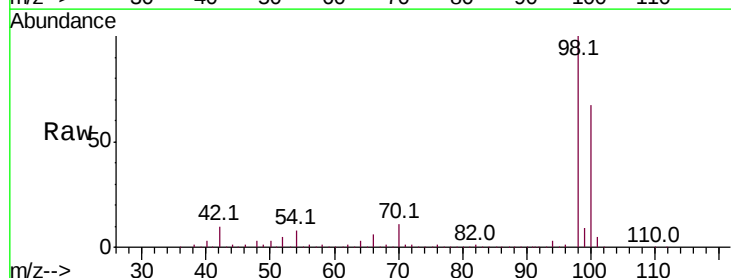
Acq: 01 Oct 2019 15:12

Tgt Ion: 98 Resp: 1836088

Ion Ratio Lower Upper

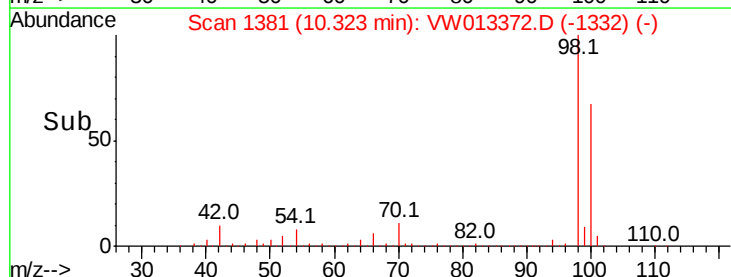
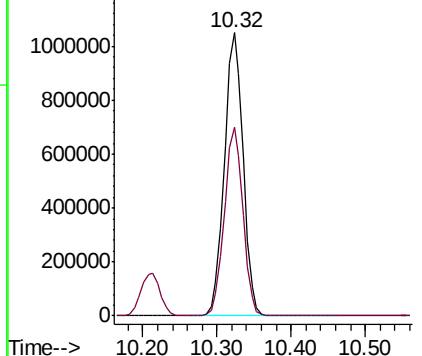
98 100

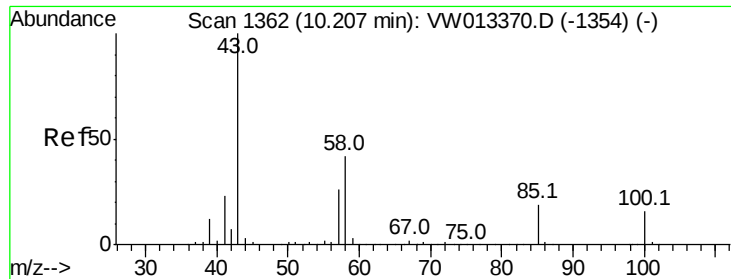
100 66.1 52.9 79.3



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 :

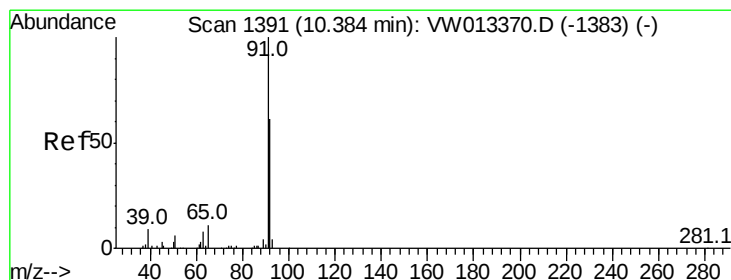
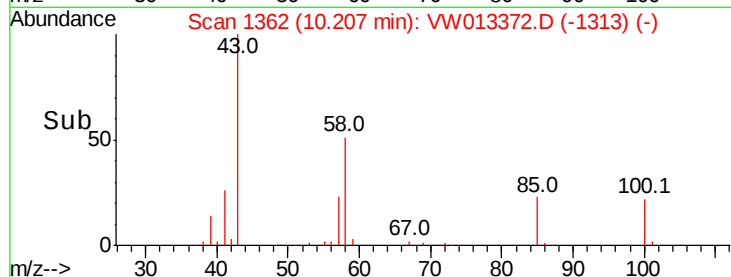
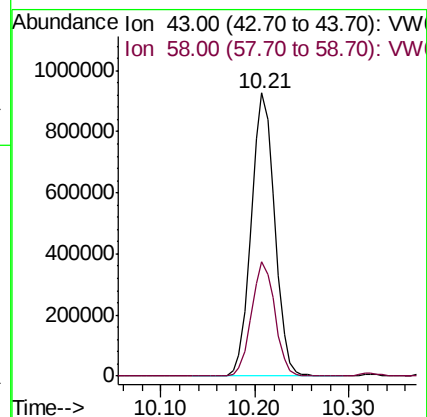
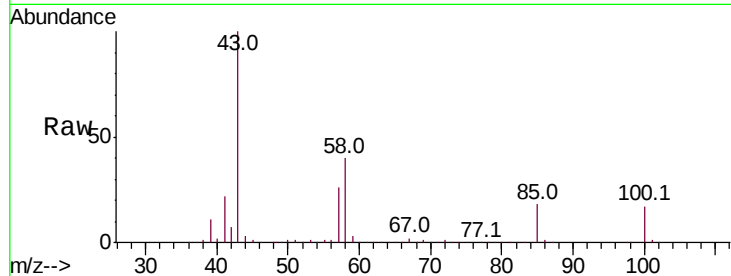
VSTDIC150

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

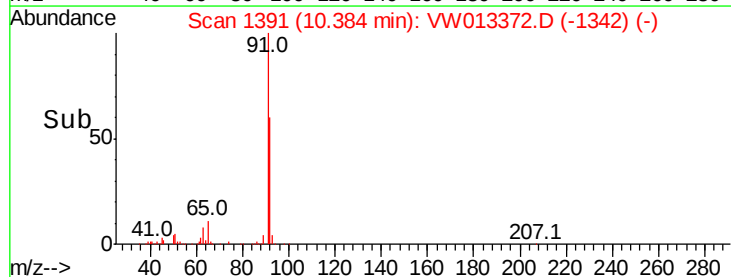
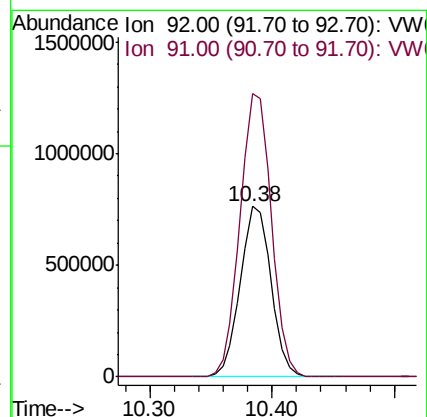
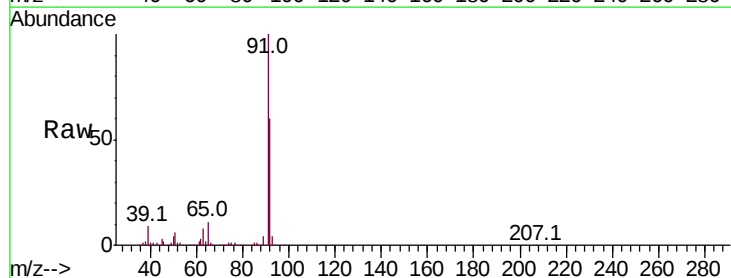
Acq: 01 Oct 2019 15:12

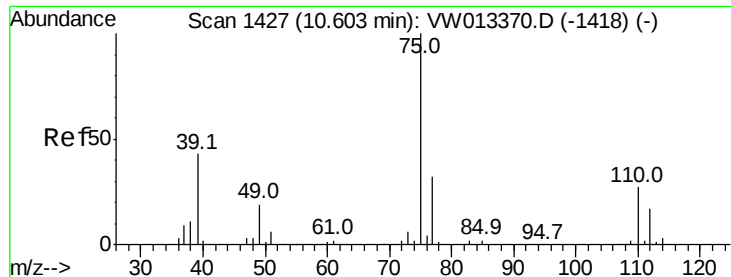
Tgt Ion: 92 Resp: 1331892

Ion Ratio Lower Upper

92 100

91 169.8 135.7 203.5

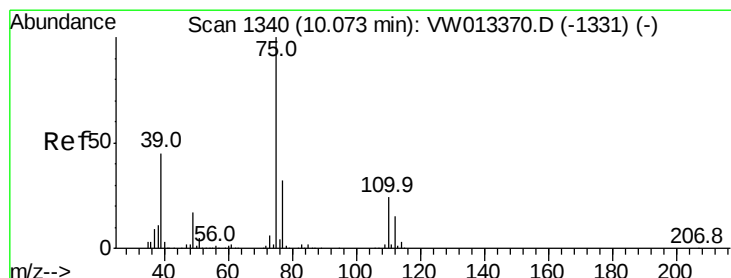
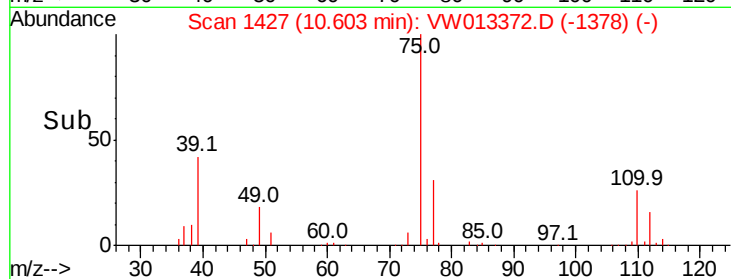
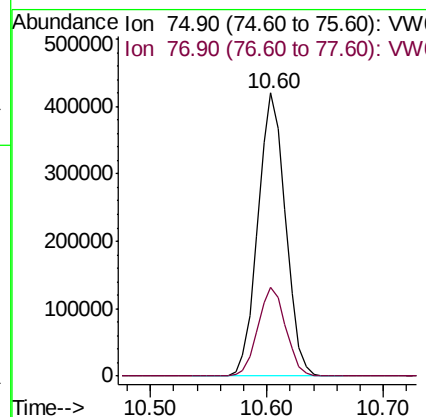
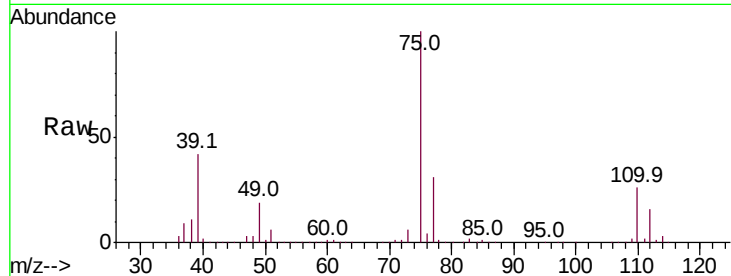




#53
 t-1,3-Dichloropropene
 Concen: 157.674 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

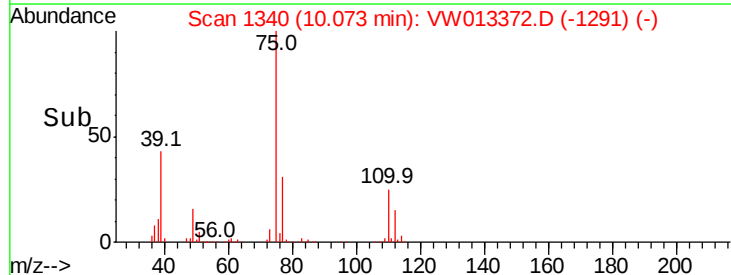
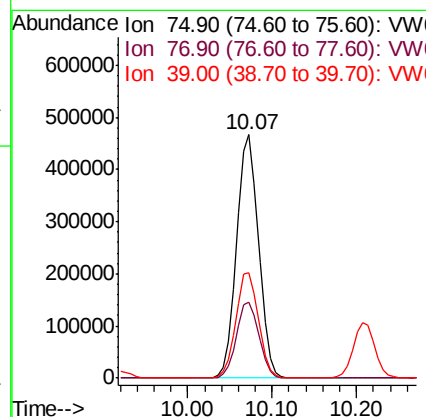
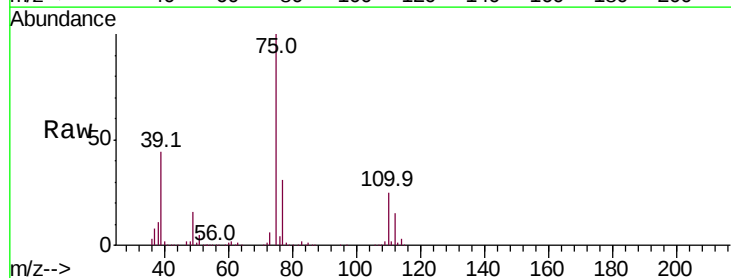
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

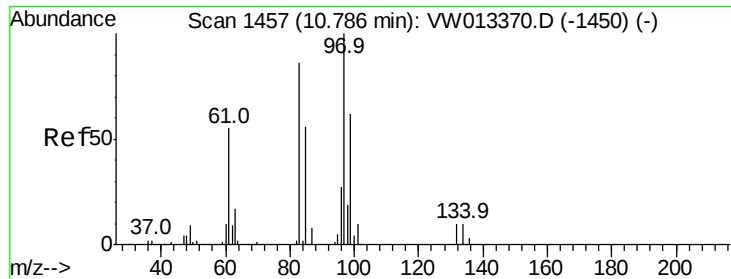
Tot Ion: 75 Resp: 697005
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3



#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



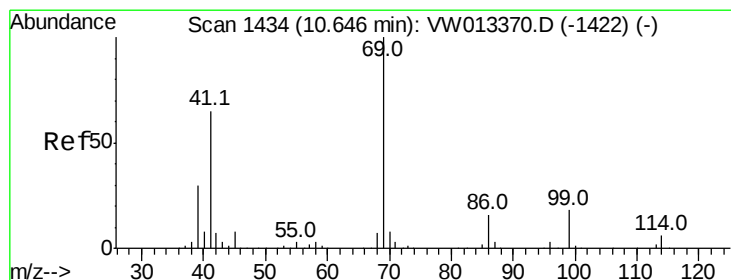
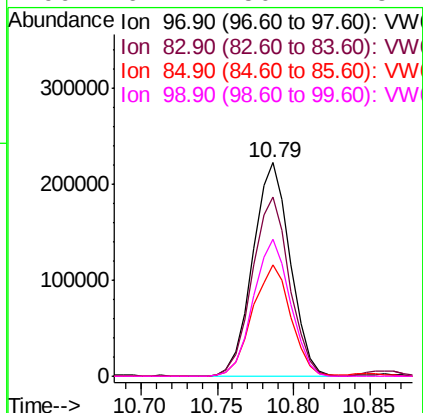
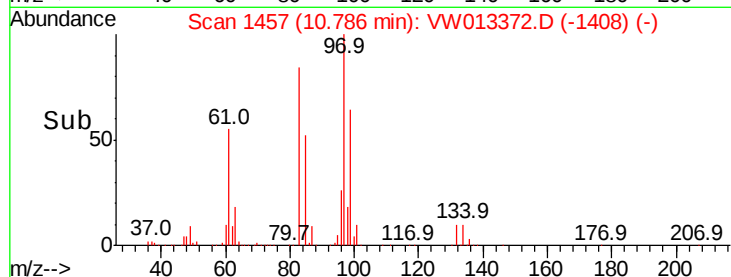
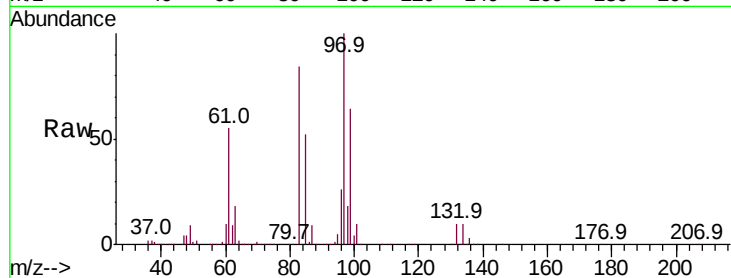


#55
 1,1,2-Trichloroethane
 Concen: 149.704 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 97 Resp: 378363

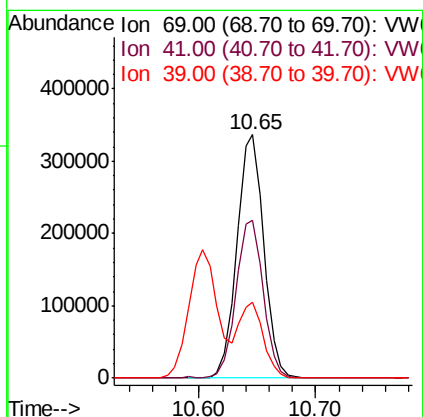
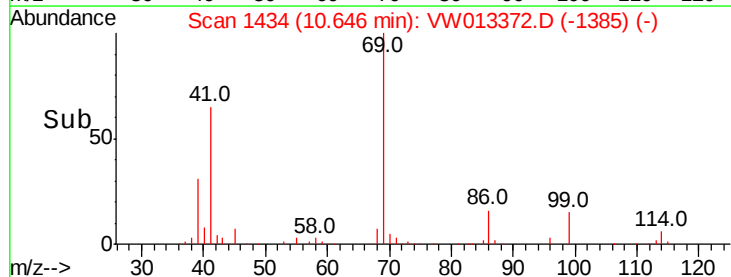
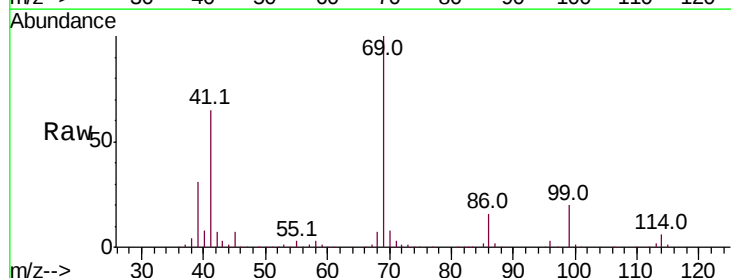
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.6	101.4
85	51.9	41.9	62.9
99	64.4	50.1	75.1

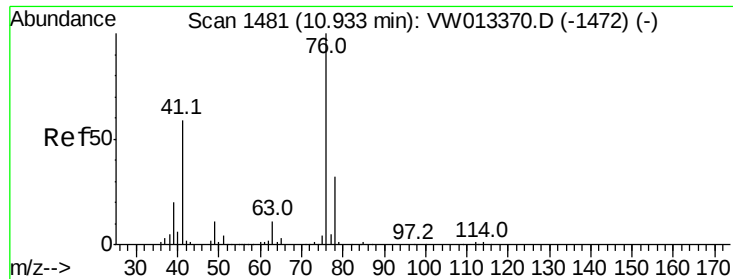


#56
 Ethyl methacrylate
 Concen: 164.060 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

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

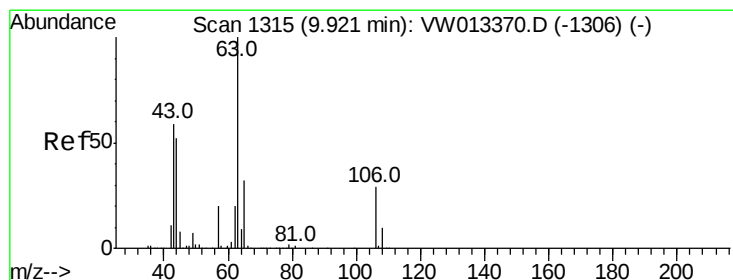
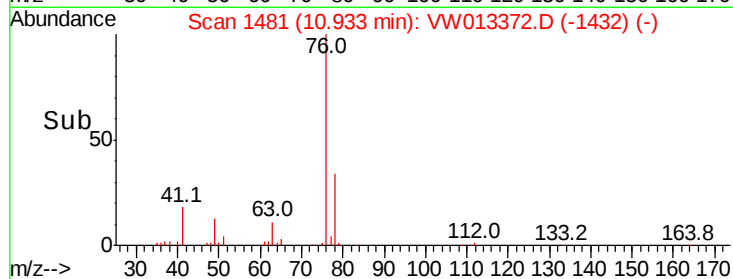
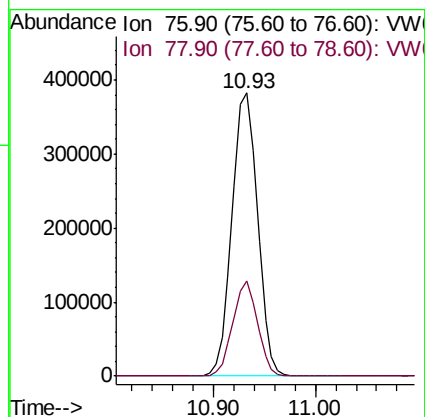
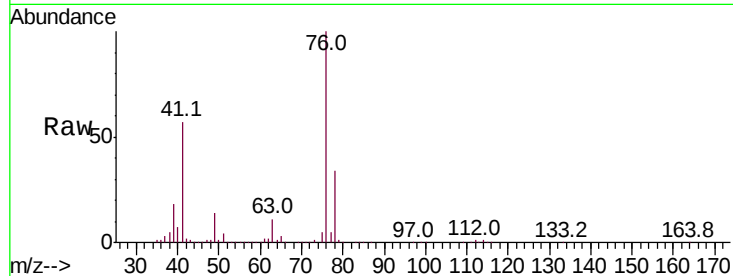




#57
 1,3-Dichloropropane
 Concen: 150.153 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

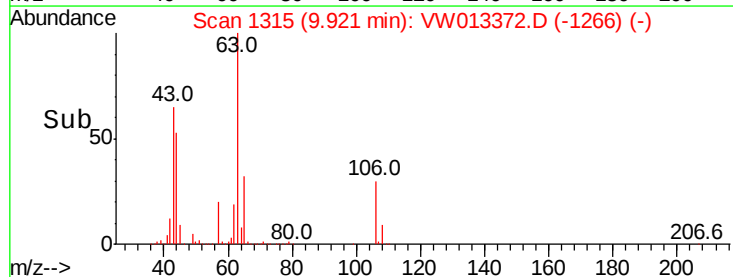
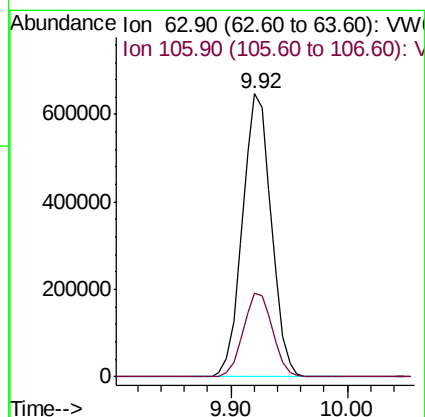
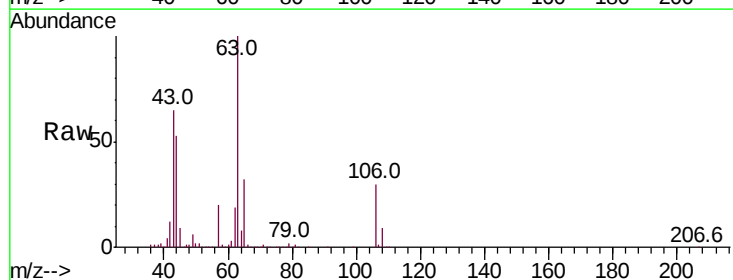
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

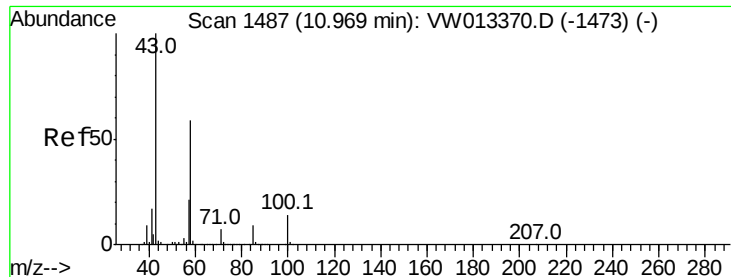
Tot Ion: 76 Resp: 662241
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#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

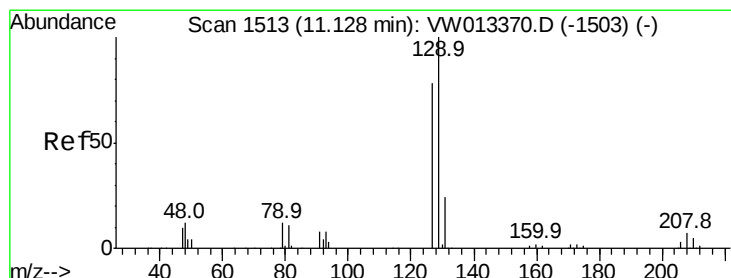
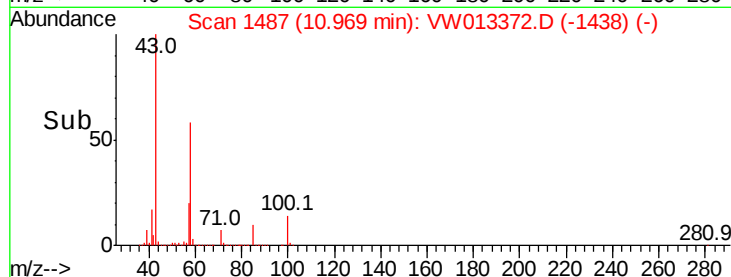
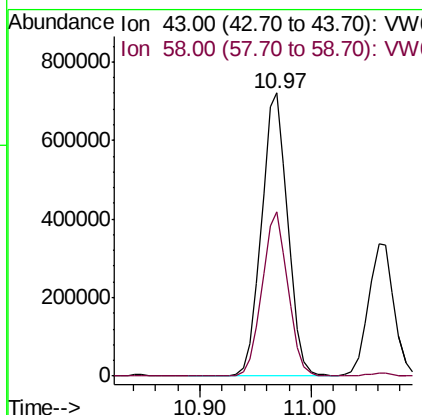
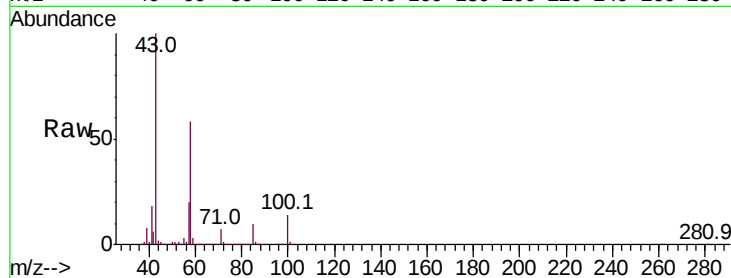




#59
2-Hexanone
Concen: 823.360 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

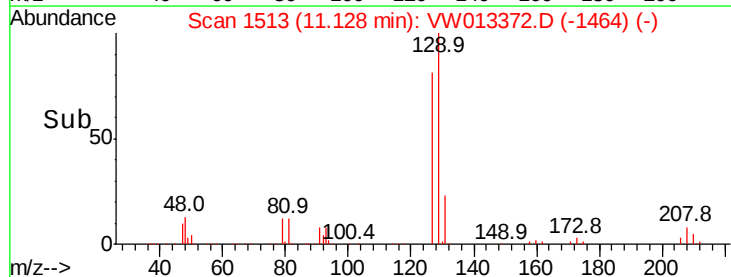
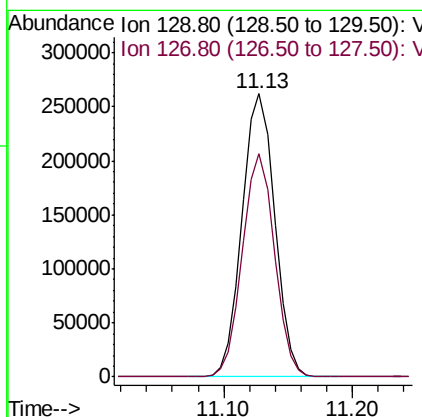
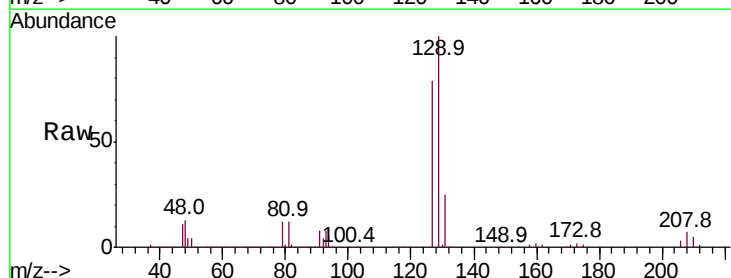
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

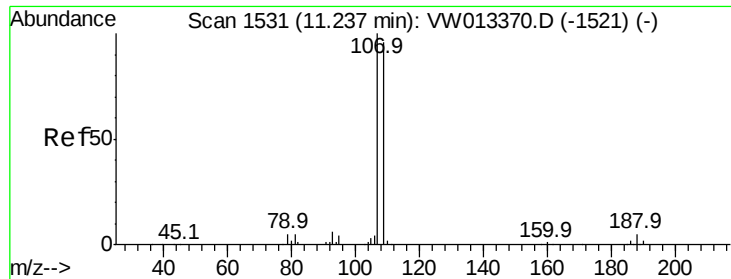
Tot Ion: 43 Resp: 1183084
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.2



#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

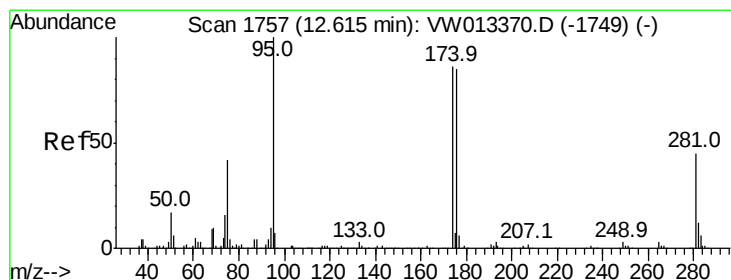
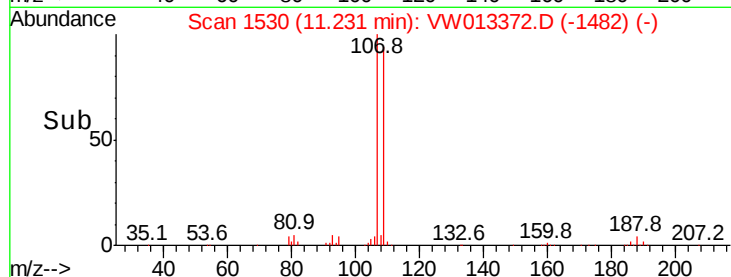
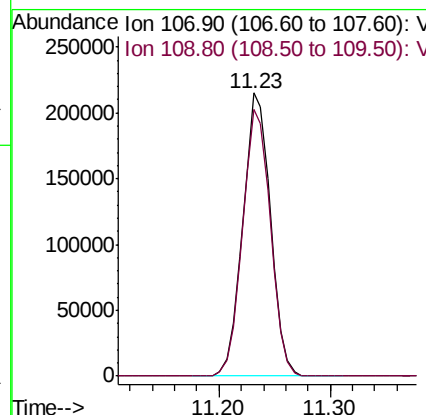
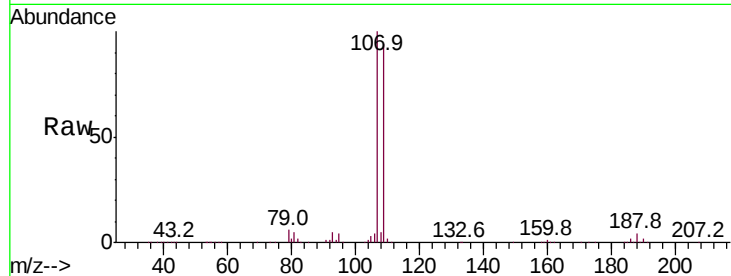




#61
 1,2-Dibromoethane
 Concen: 153.631 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

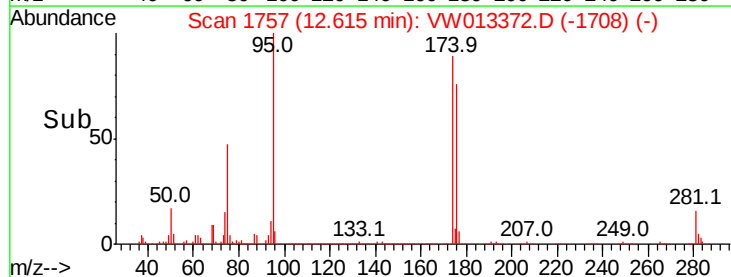
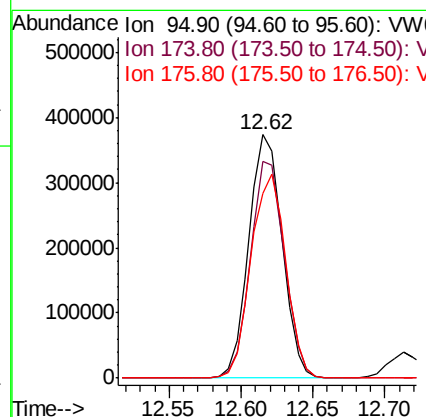
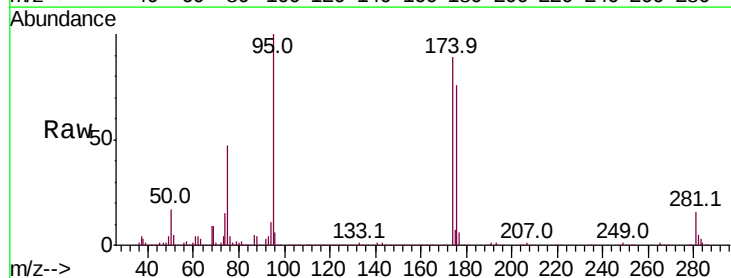
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

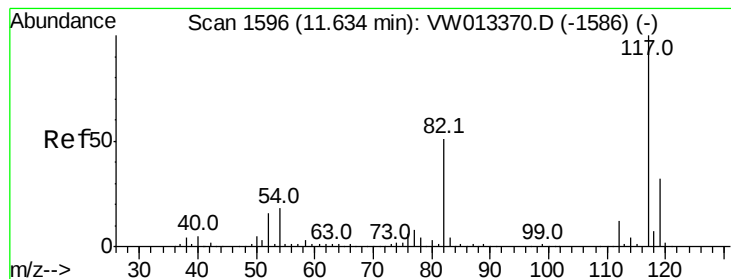
Tot Ion:107 Resp: 369181
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.2 112.8



#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 :

VSTDIC150

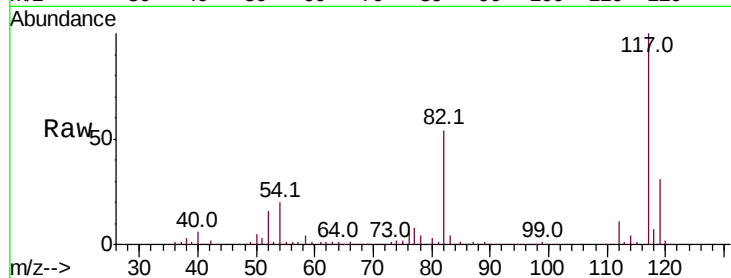
Tot Ion:117 Resp: 455218

Ion Ratio Lower Upper

117 100

82 54.3 45.9 68.9

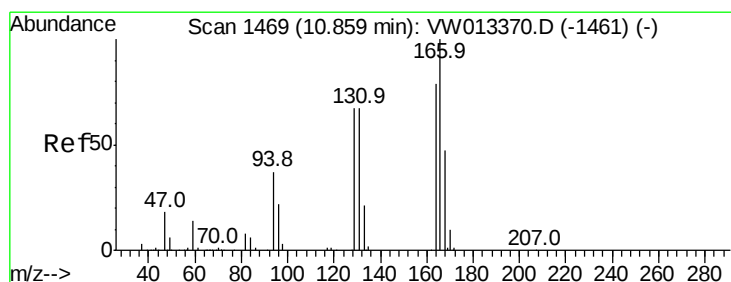
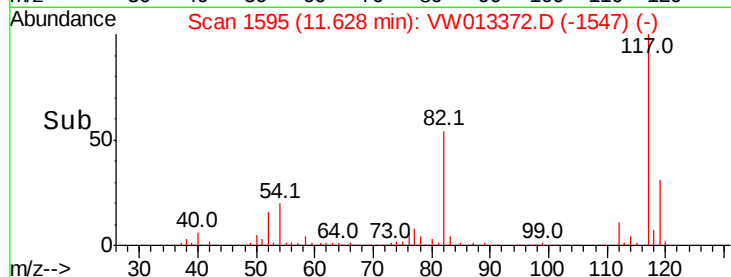
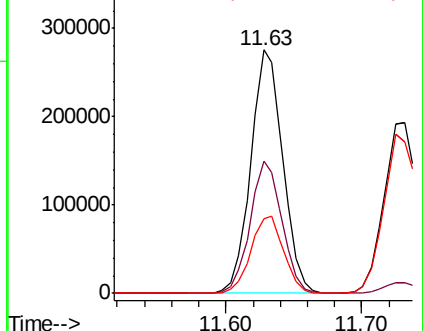
119 30.8 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

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

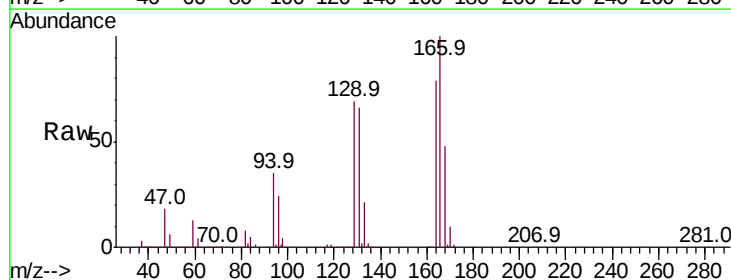
Ion Ratio Lower Upper

164 100

166 126.3 101.2 151.8

129 86.8 68.8 103.2

131 83.5 65.2 97.8

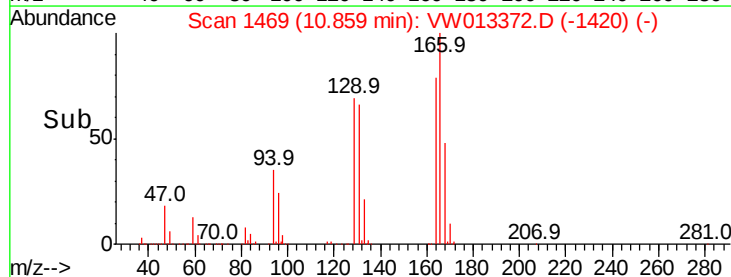
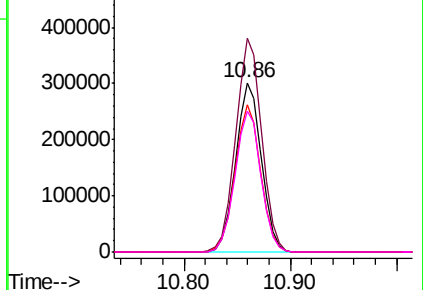


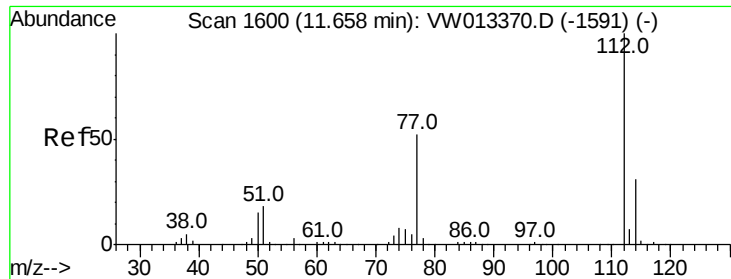
Abundance Ion 163.80 (163.50 to 164.50): V

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

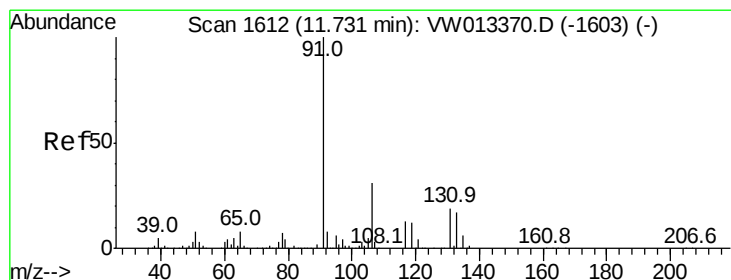
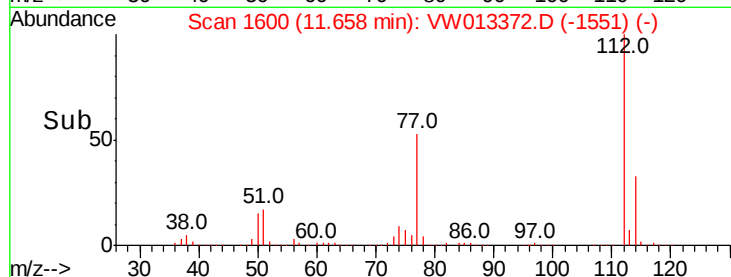
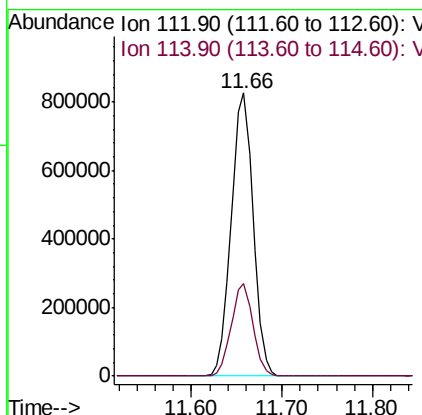
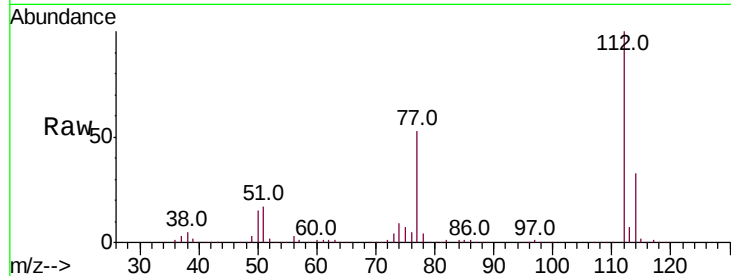




#65
Chlorobenzene
Concen: 145.974 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

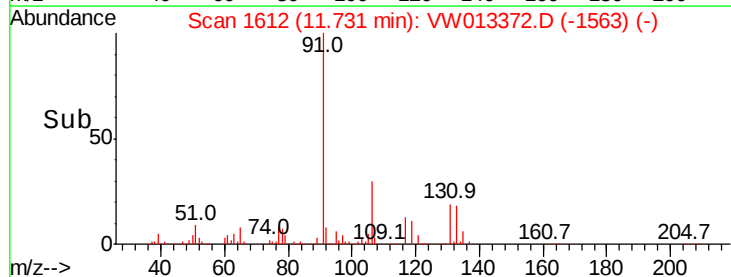
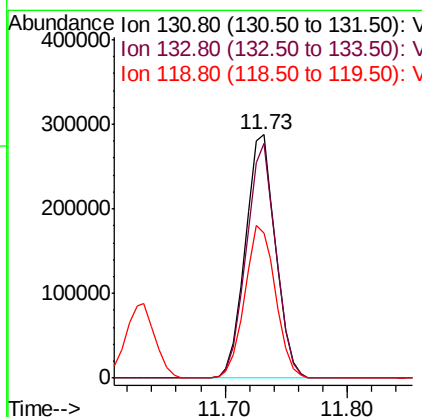
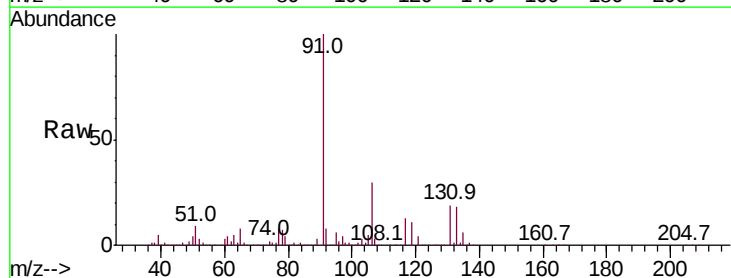
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

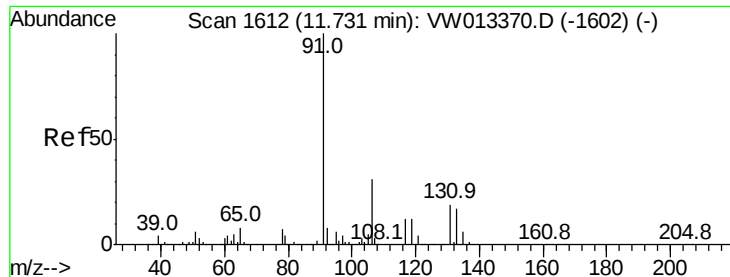
Tot Ion:112 Resp: 1387611
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7



#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

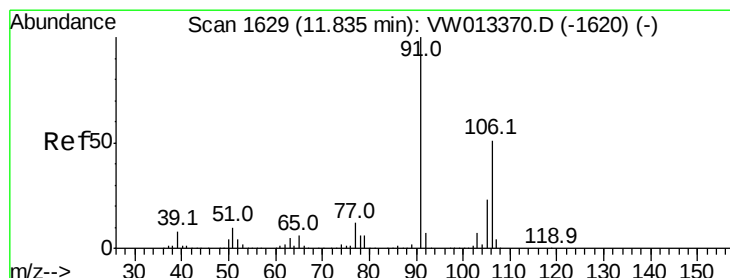
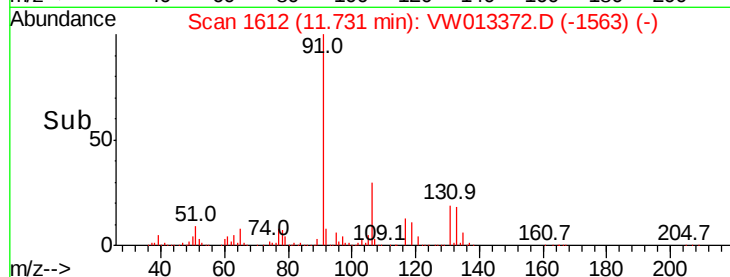
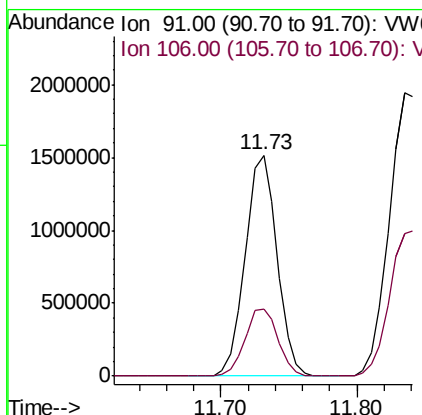
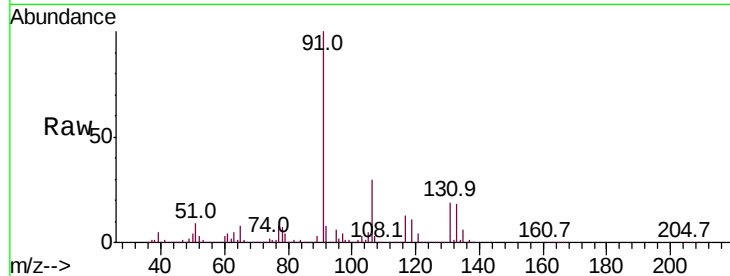




#67
Ethyl Benzene
Concen: 144.201 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

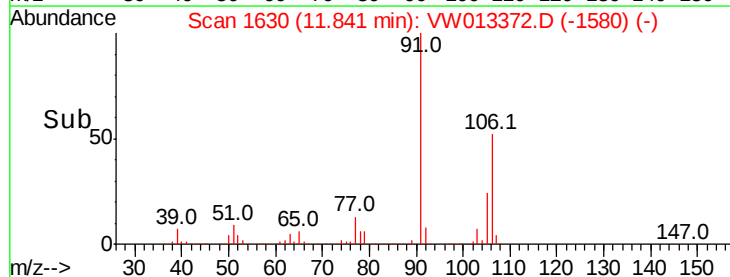
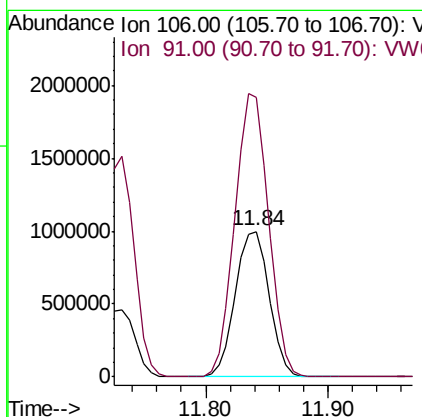
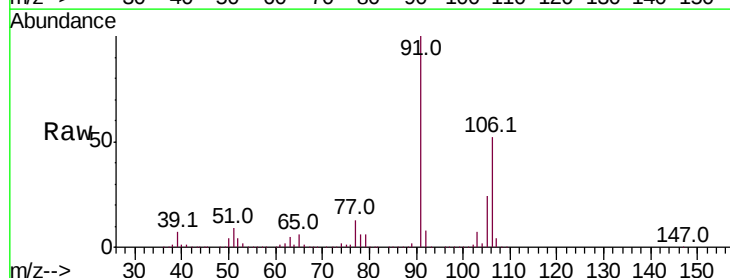
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

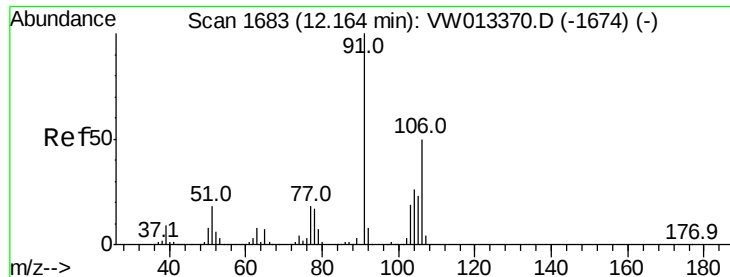
Tot Ion: 91 Resp: 2483655
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3



#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

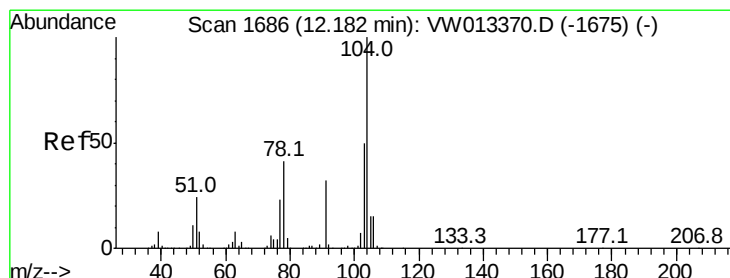
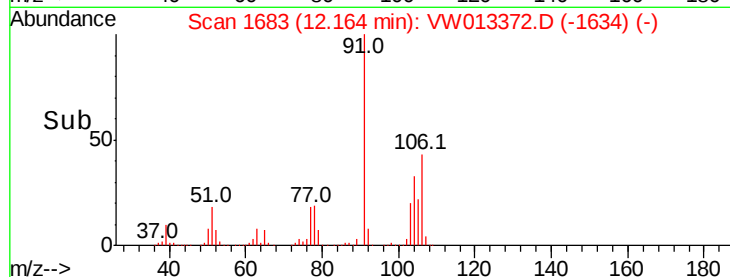
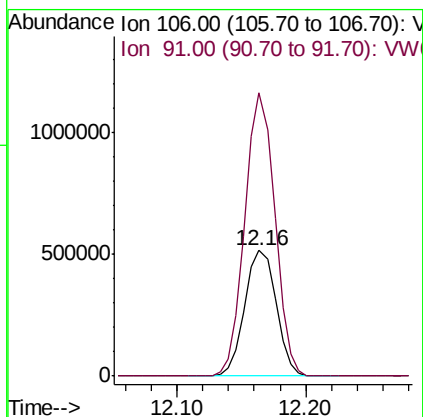
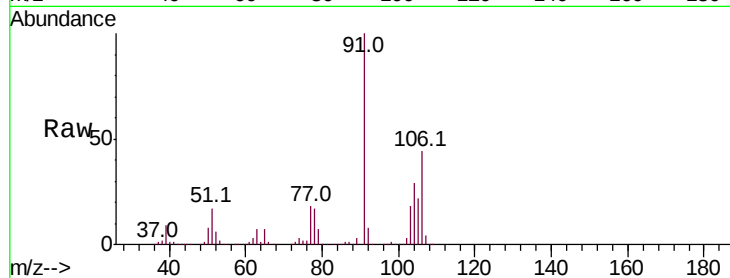




#69
o-Xylene
Concen: 142.454 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

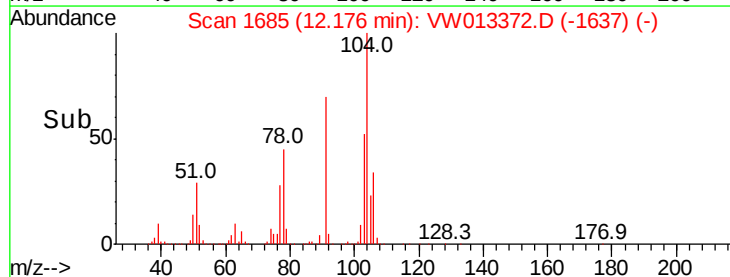
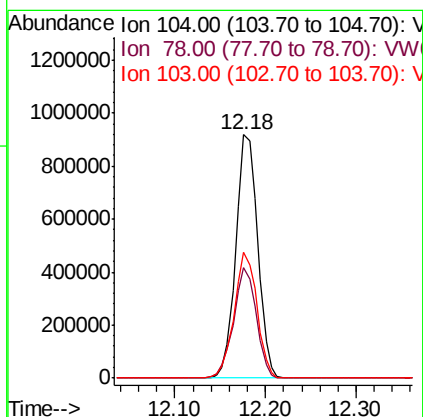
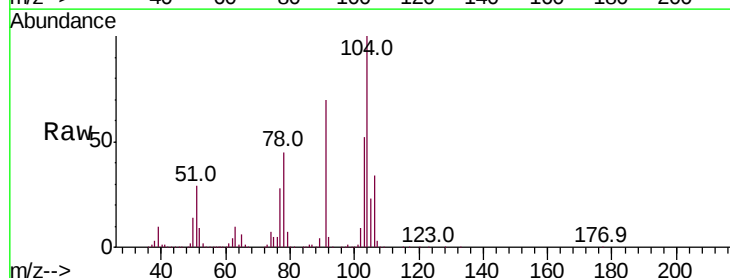
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

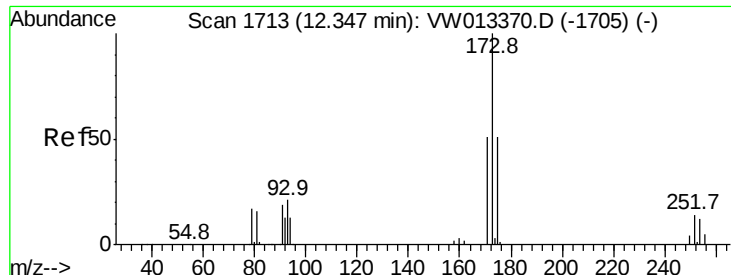
Tot Ion:106 Resp: 869258
Ion Ratio Lower Upper
106 100
91 215.1 106.5 319.5



#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

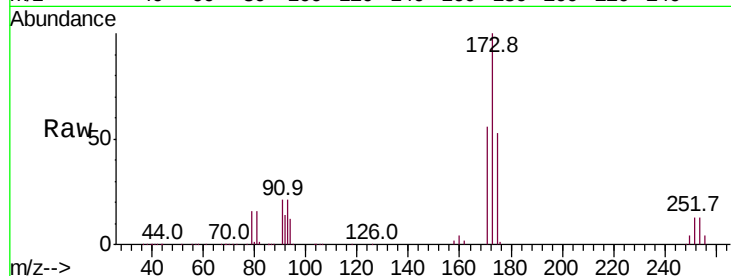




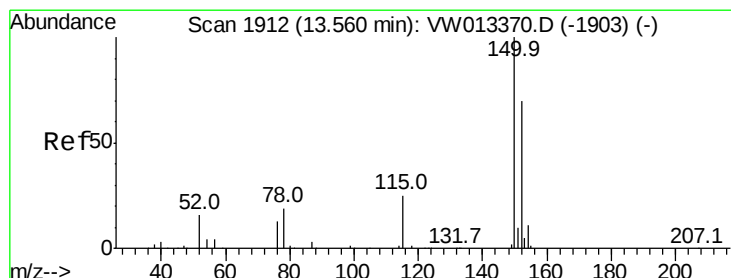
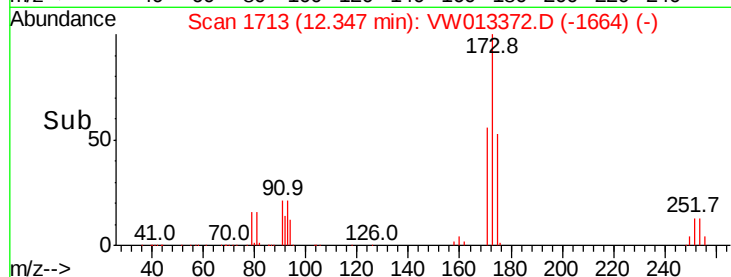
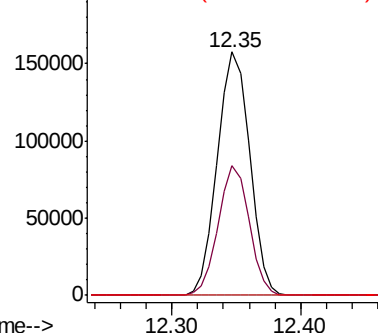
#71
Bromoform
Concen: 160.083 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

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#

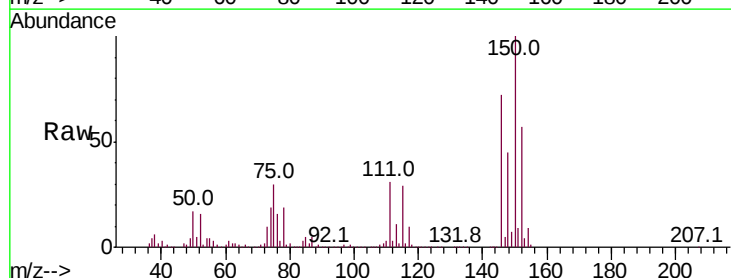


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

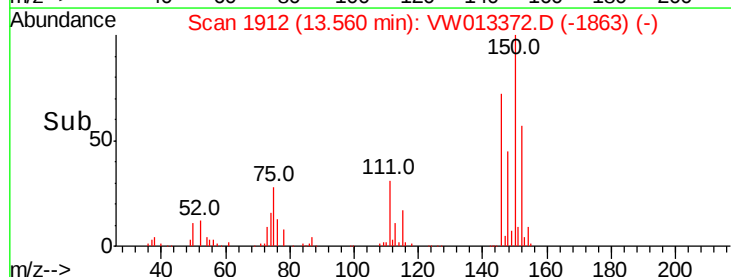
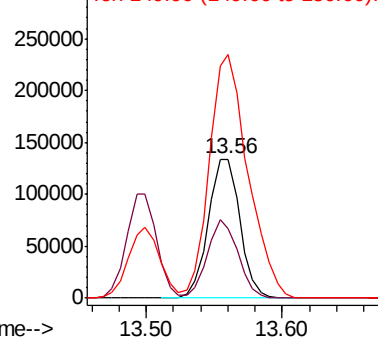


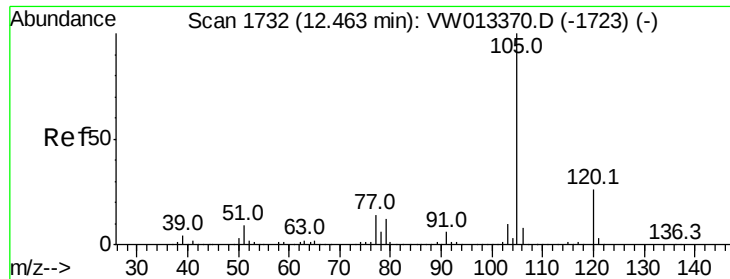
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

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 :

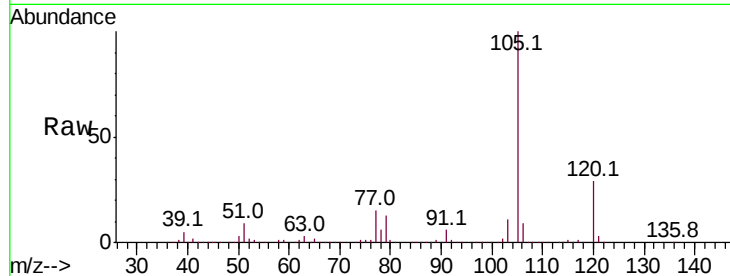
VSTDIC150

Tot Ion:105 Resp: 2410093

Ion Ratio Lower Upper

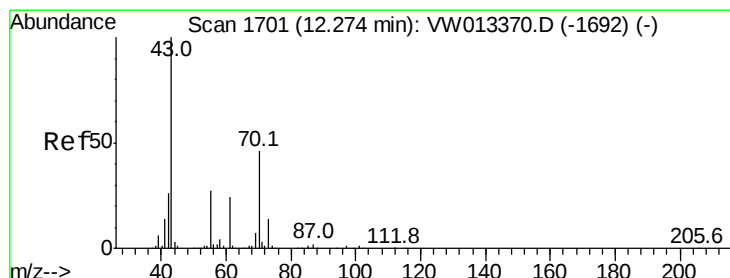
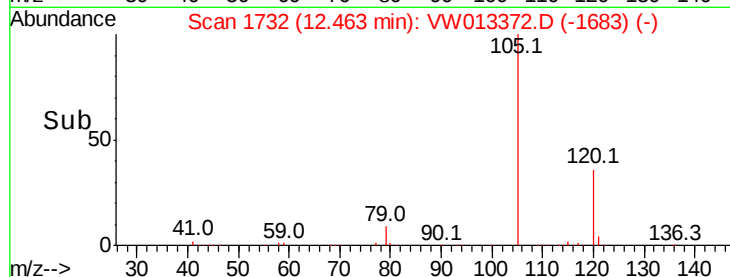
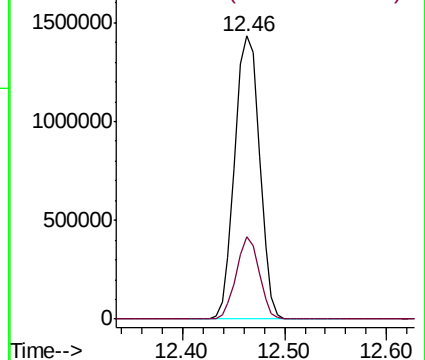
105 100

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

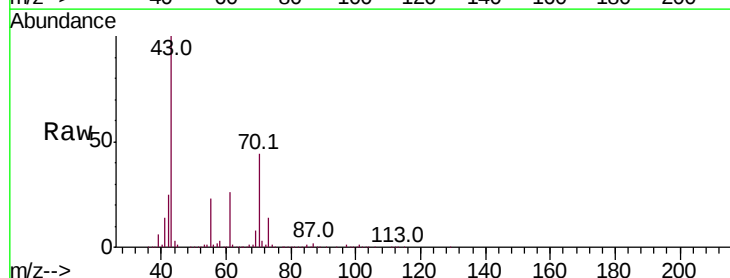
Ion Ratio Lower Upper

43 100

70 44.8 35.1 52.7

55 24.1 19.9 29.9

61 25.8 19.5 29.3

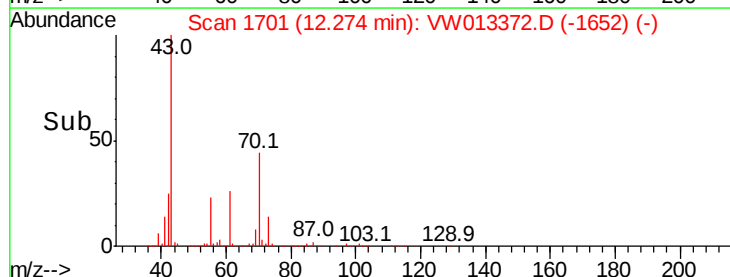
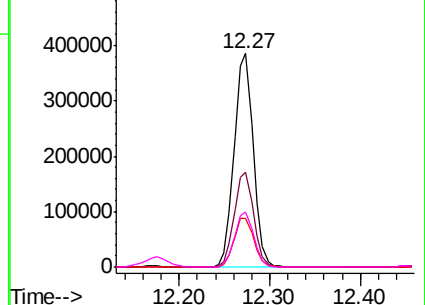


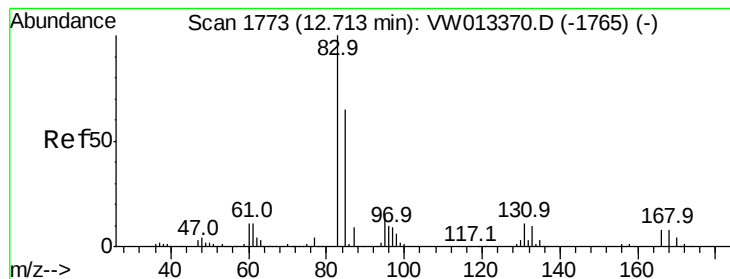
Abundance Ion 43.00 (42.70 to 43.70): VW

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 :

VSTDIC150

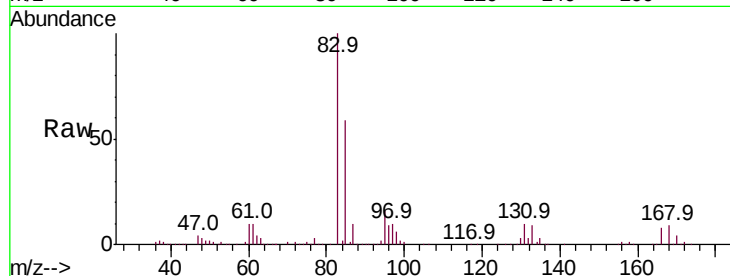
Tot Ion: 83 Resp: 415530

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

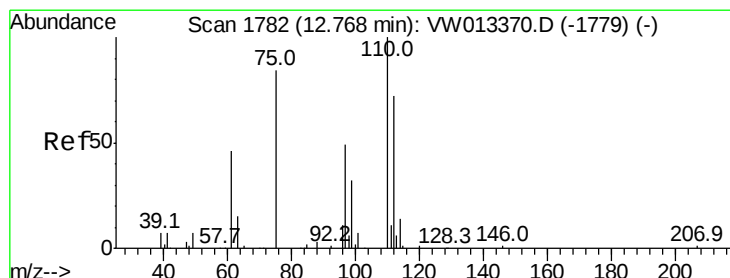
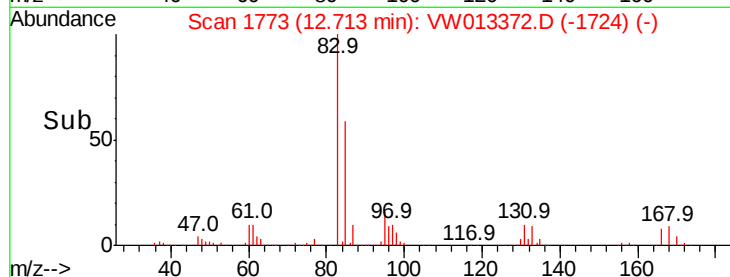
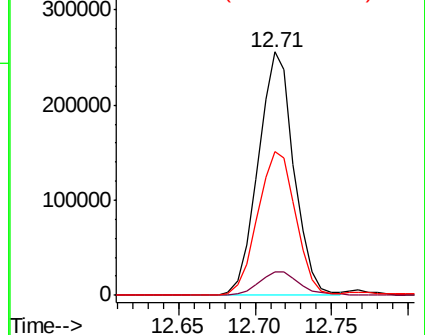
85 62.8 31.9 95.9



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

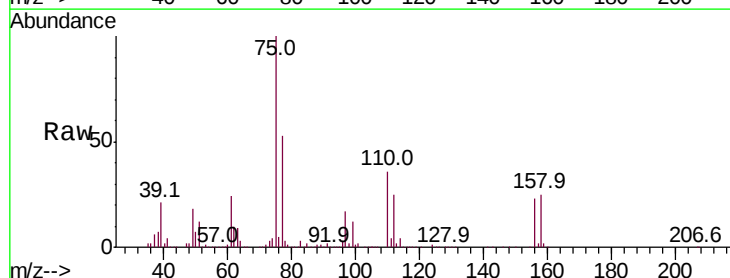
Acq: 01 Oct 2019 15:12

Tgt Ion: 75 Resp: 534418

Ion Ratio Lower Upper

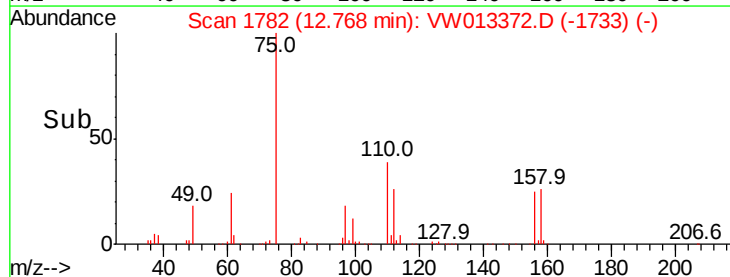
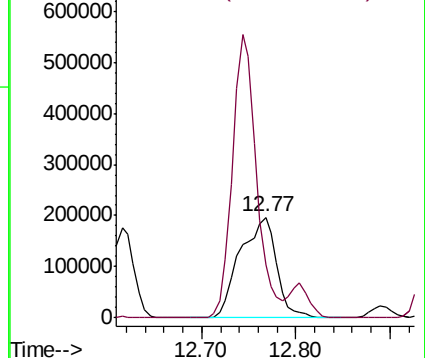
75 100

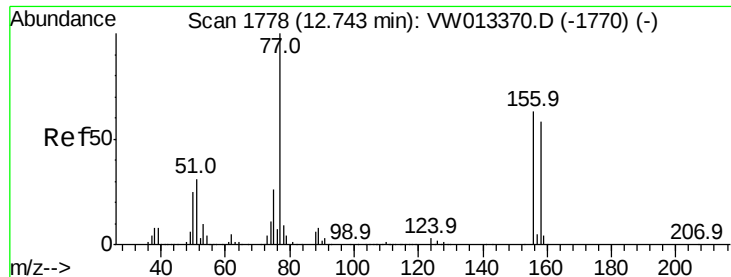
77 0.0 0.0 0.0



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 :

VSTDIC150

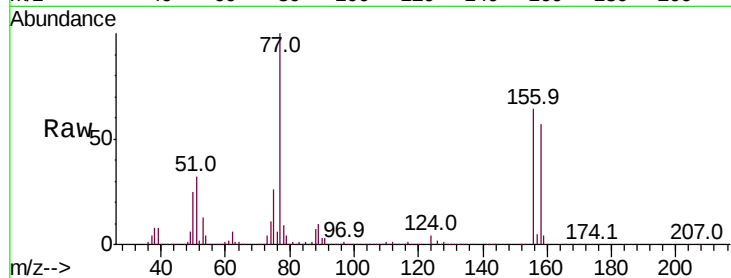
Tot Ion:156 Resp: 579831

Ion Ratio Lower Upper

156 100

77 170.6 85.7 257.1

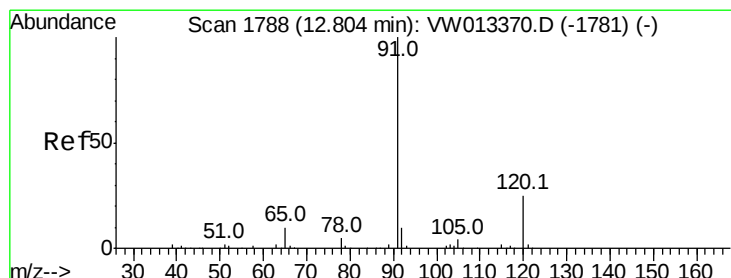
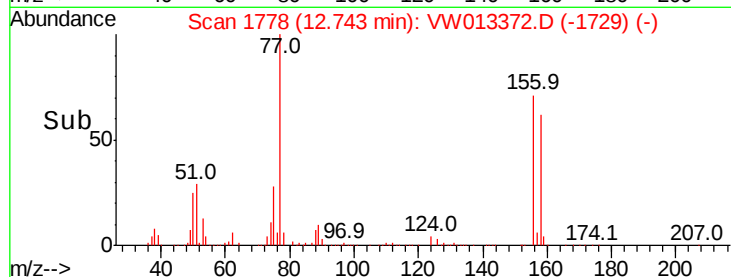
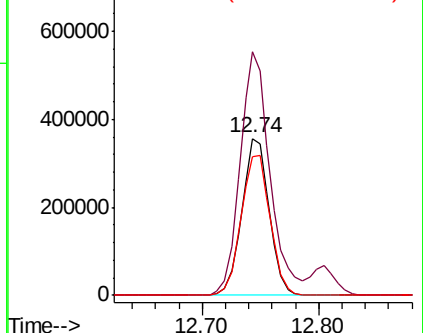
158 94.7 48.1 144.4



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

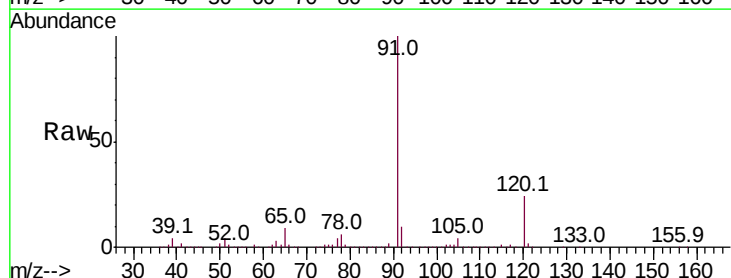
Acq: 01 Oct 2019 15:12

Tgt Ion: 91 Resp: 2744938

Ion Ratio Lower Upper

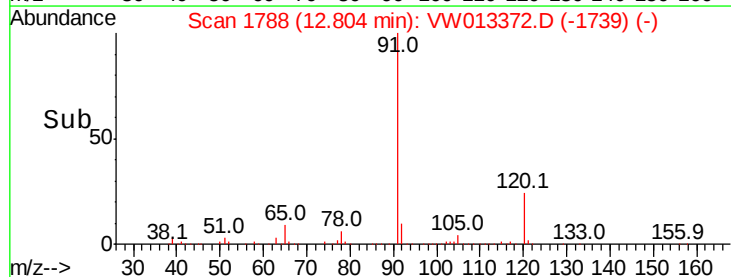
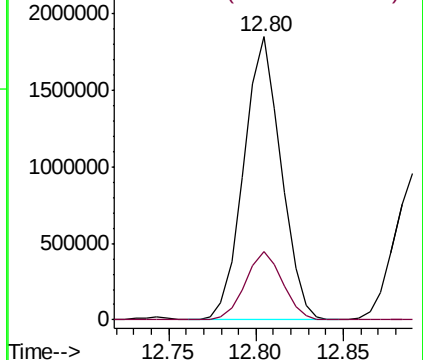
91 100

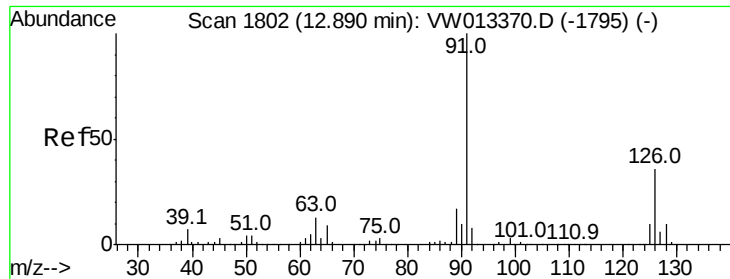
120 24.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

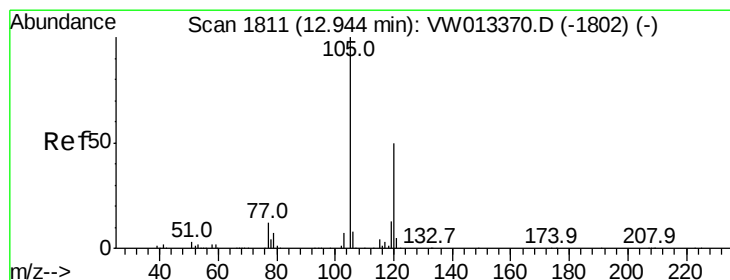
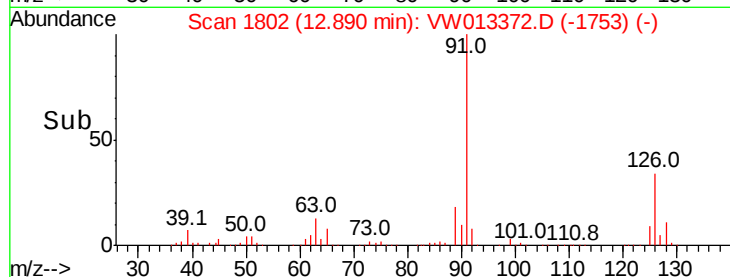
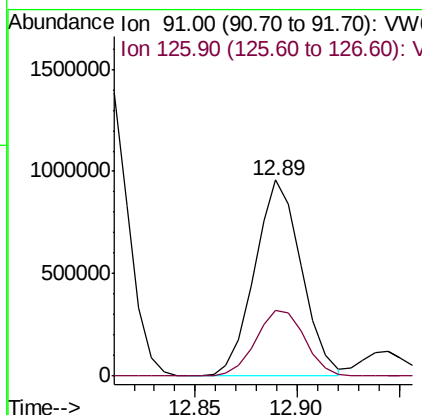
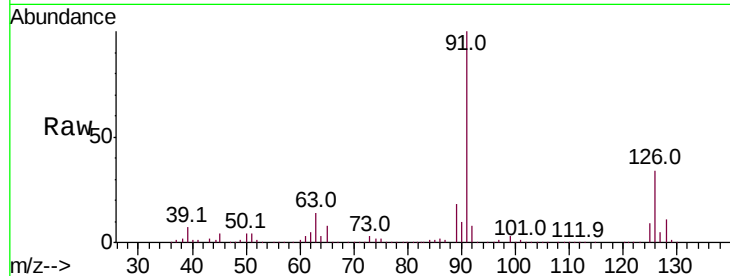




#79
 2-Chlorotoluene
 Concen: 145.353 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

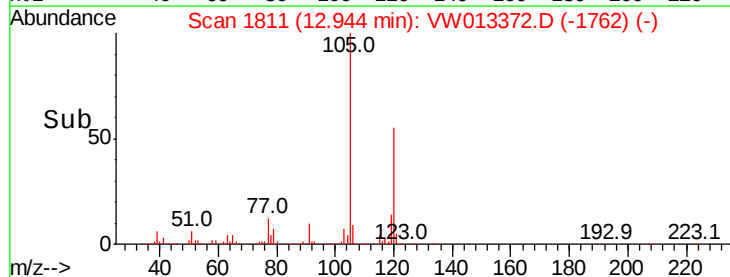
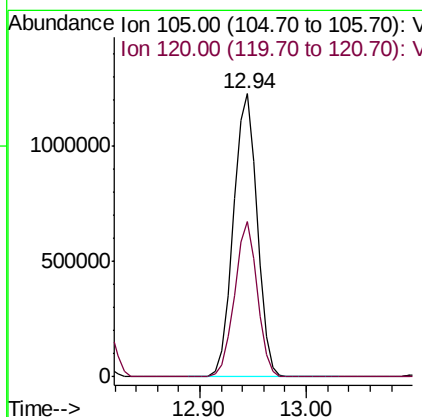
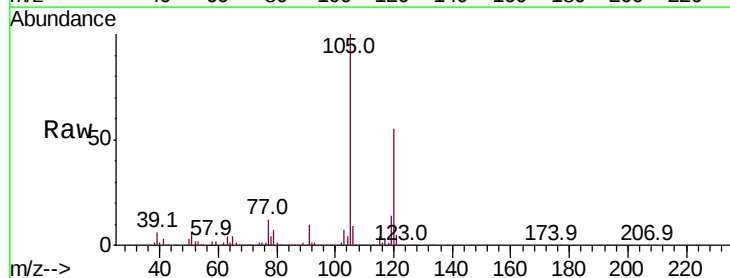
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

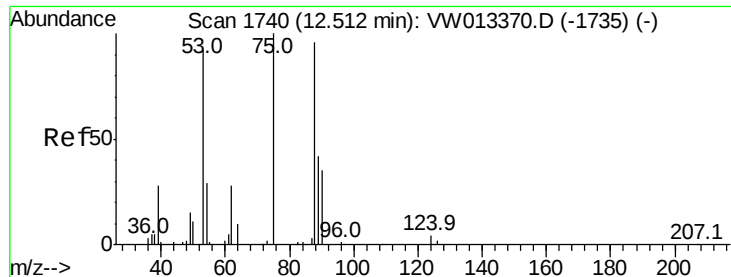
Tot Ion: 91 Resp: 1528414
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.2 51.5



#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

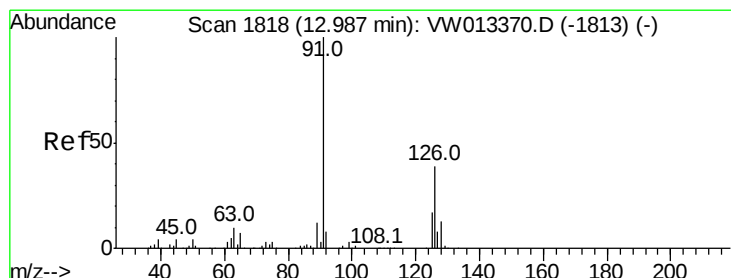
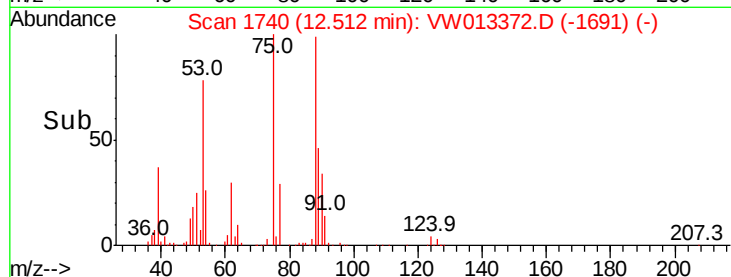
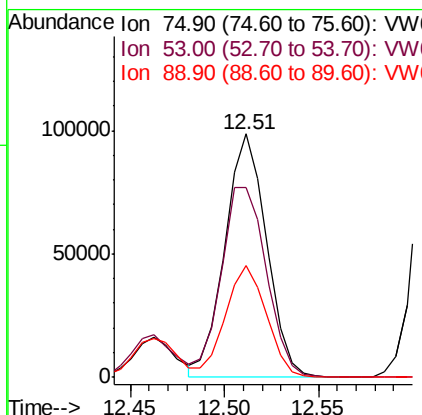
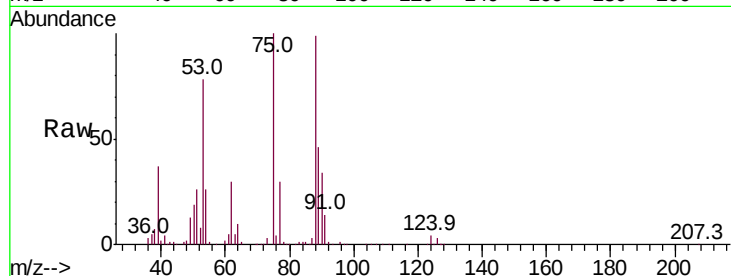




#81
trans-1,4-Dichloro-2-butene
Concen: 175.923 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

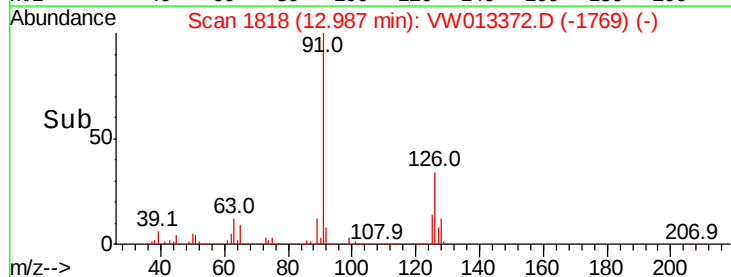
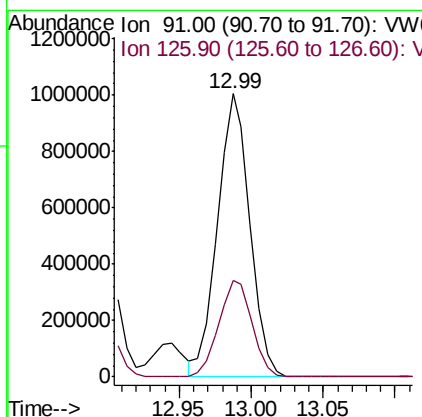
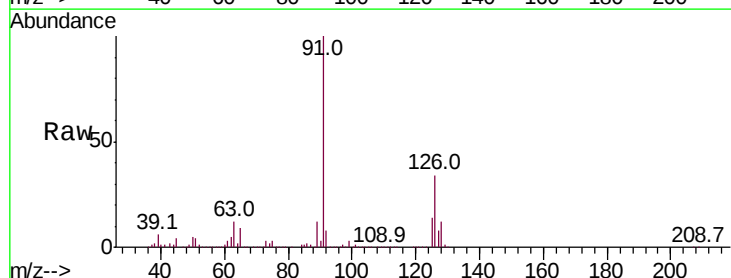
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

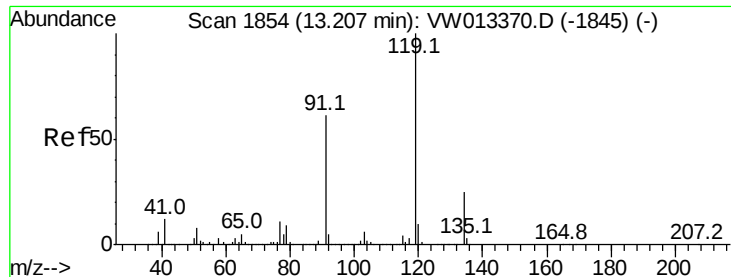
Tot Ion: 75 Resp: 150291
Ion Ratio Lower Upper
75 100
53 85.1 76.6 114.8
89 45.0 33.5 50.3



#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 :

VSTDIC150

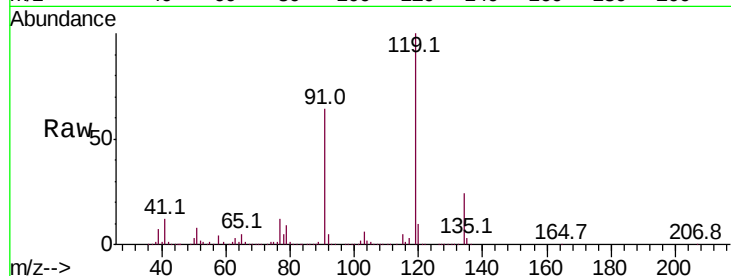
Tot Ion:119 Resp: 1695796

Ion Ratio Lower Upper

119 100

91 61.8 30.7 92.1

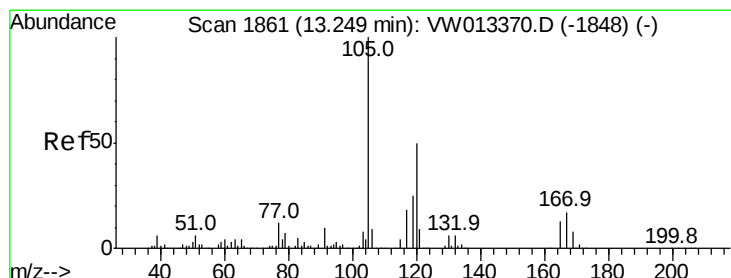
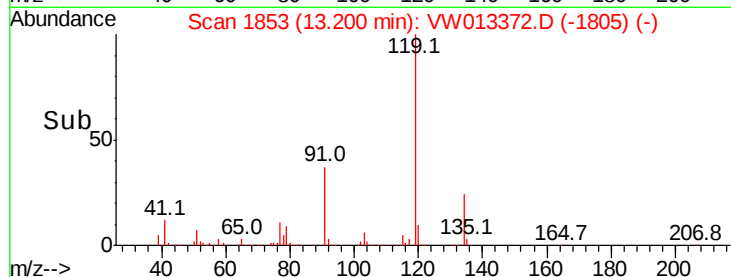
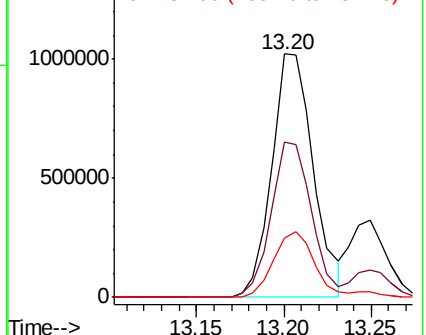
134 28.1 12.6 37.6



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

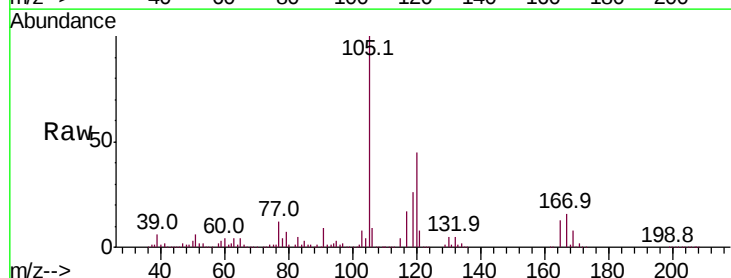
Acq: 01 Oct 2019 15:12

Tgt Ion:105 Resp: 1961980

Ion Ratio Lower Upper

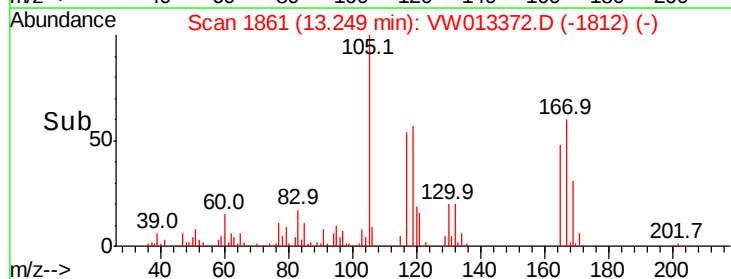
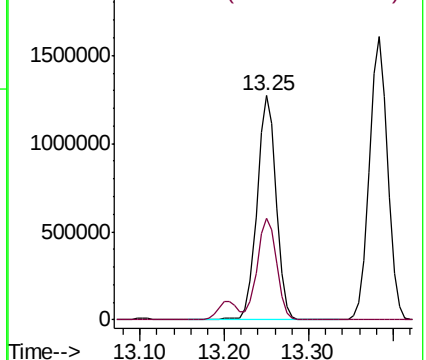
105 100

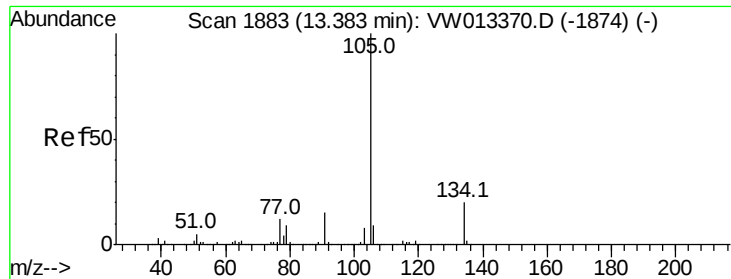
120 45.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

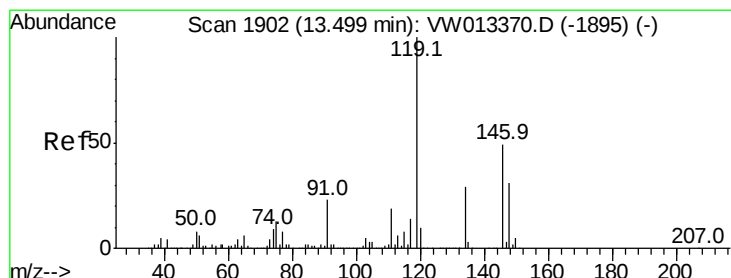
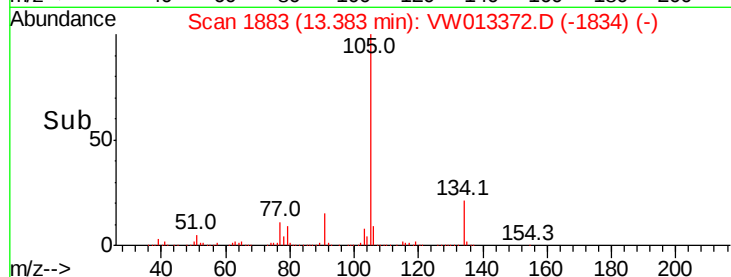
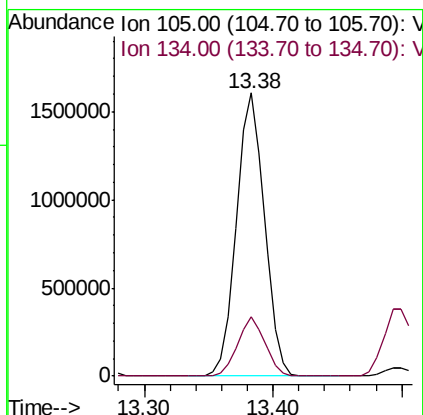
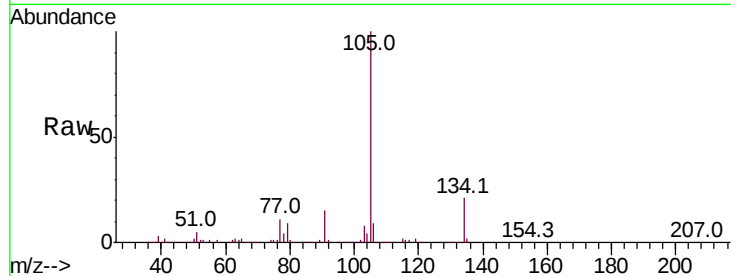




#85
 sec-Butylbenzene
 Concen: 148.343 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

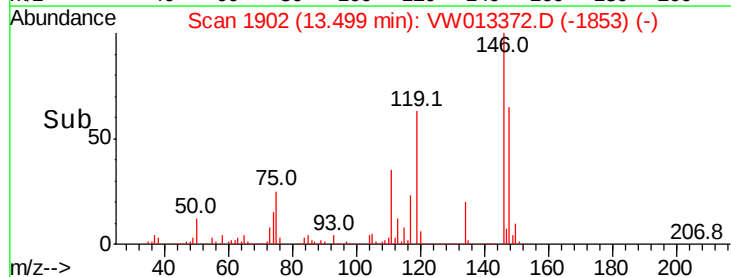
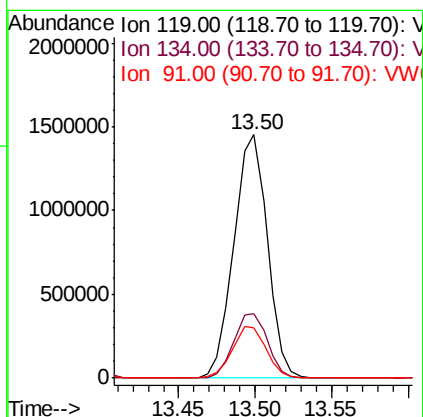
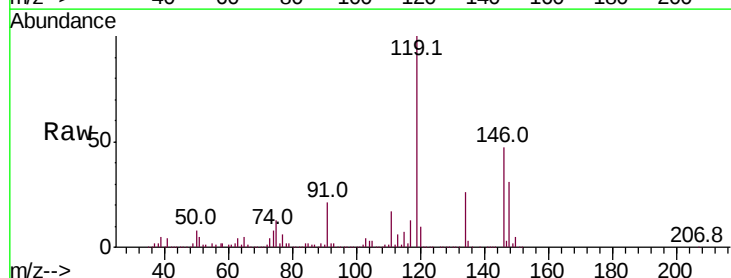
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

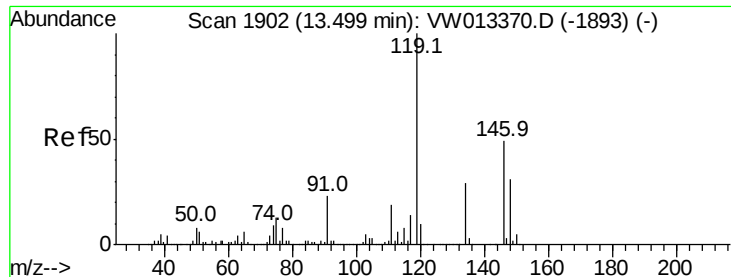
Tot Ion:105 Resp: 2419578
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#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

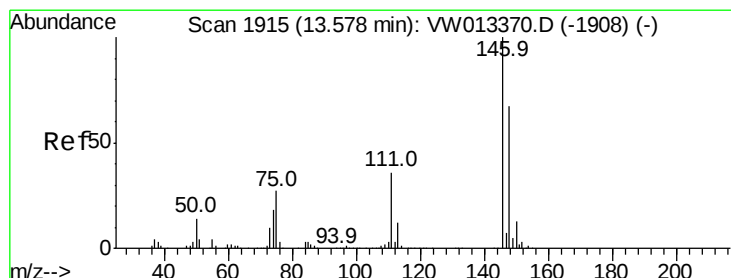
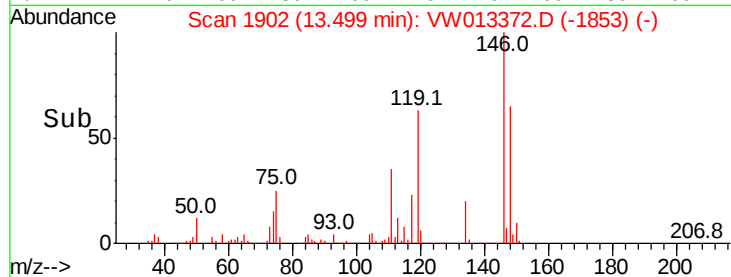
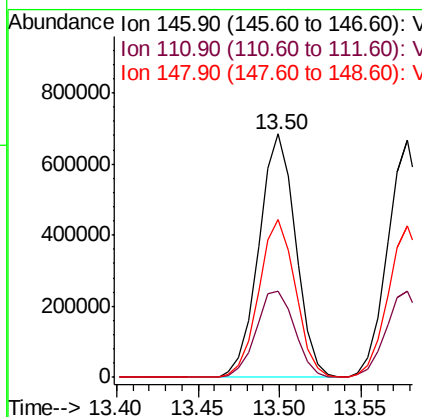
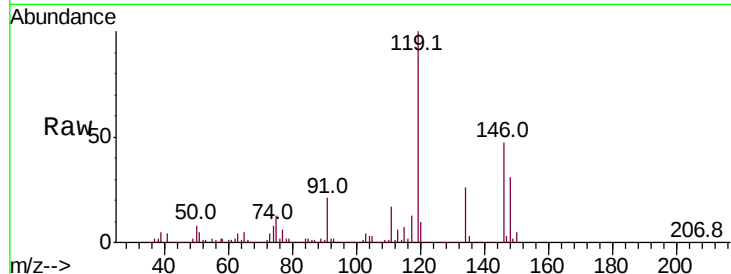




#87
 1,3-Dichlorobenzene
 Concen: 146.625 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

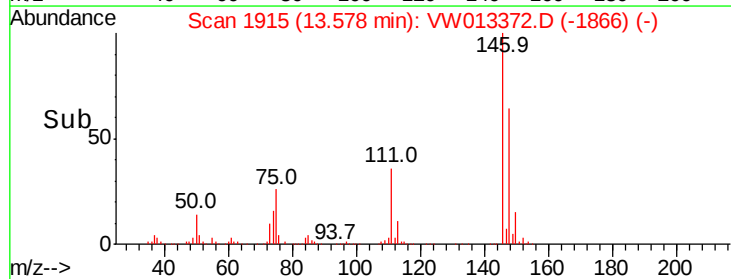
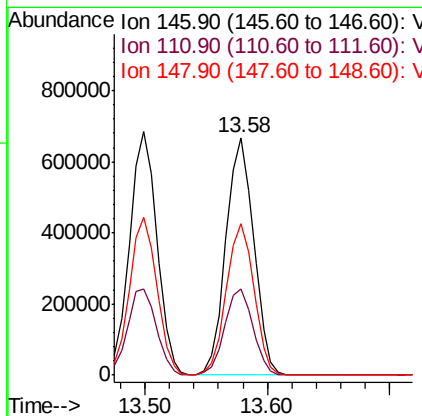
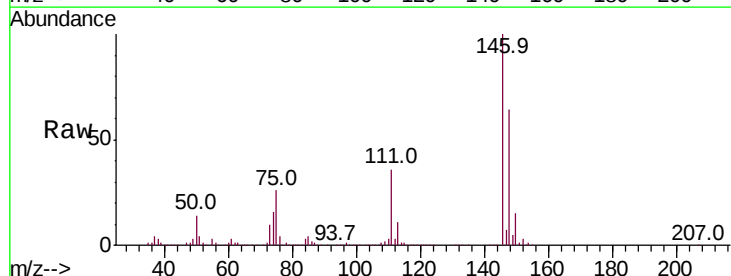
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

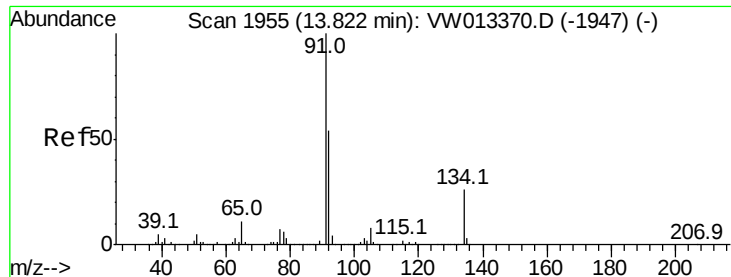
Tot Ion:146 Resp: 1072264
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 64.9 31.9 95.5



#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

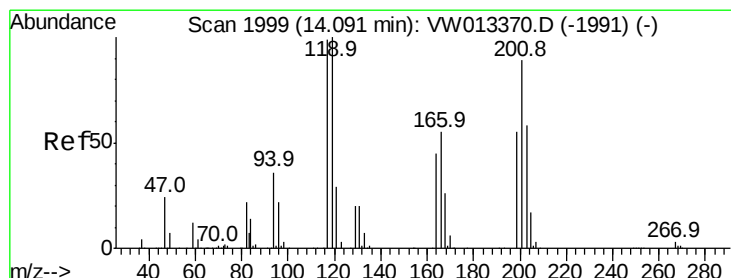
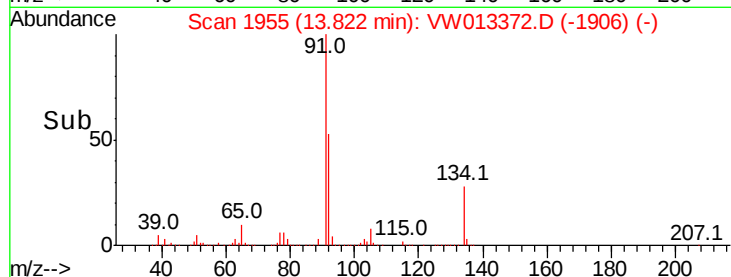
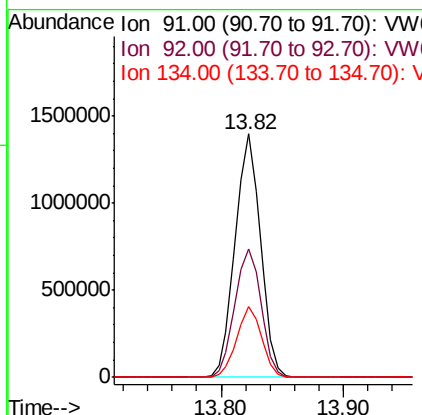
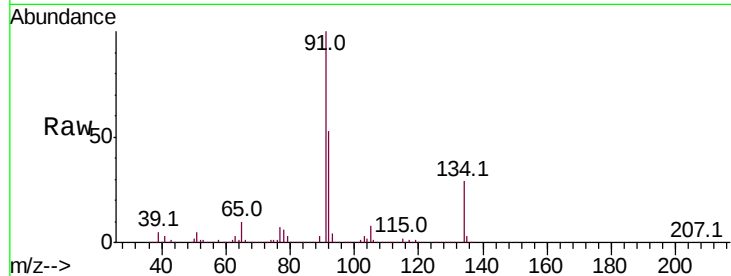




#89
n-Butylbenzene
Concen: 144.897 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

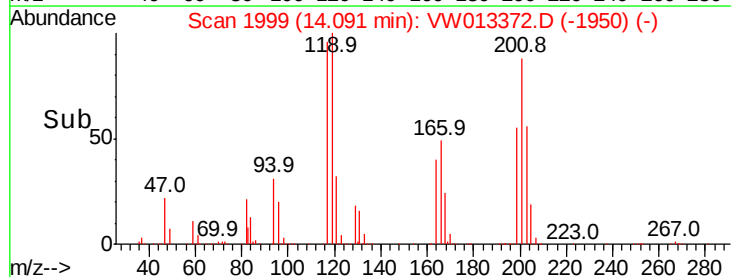
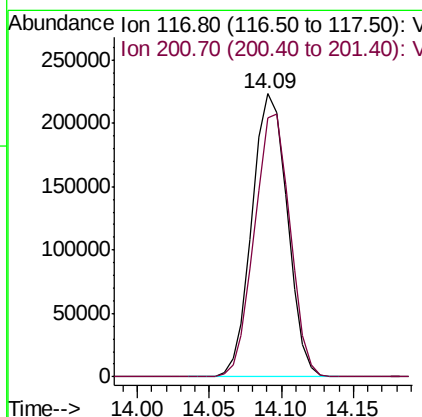
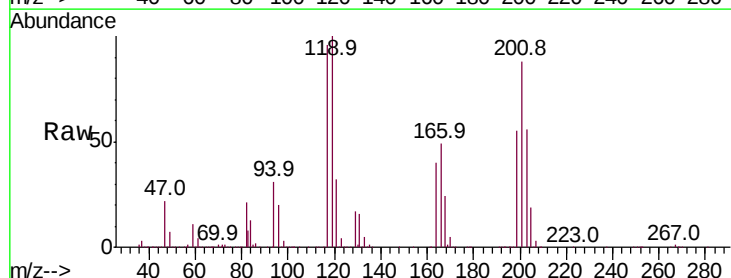
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

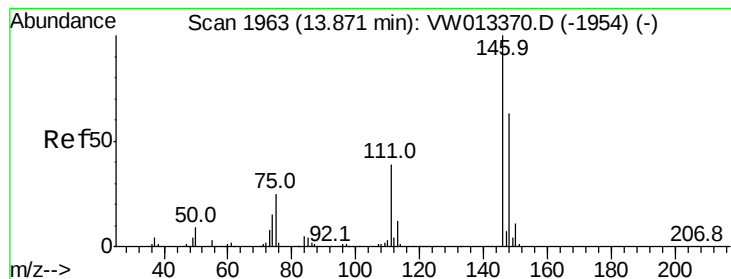
Tot Ion: 91 Resp: 2001560
Ion Ratio Lower Upper
91 100
92 54.8 27.6 82.8
134 28.7 13.7 41.1



#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 :

VSTDIC150

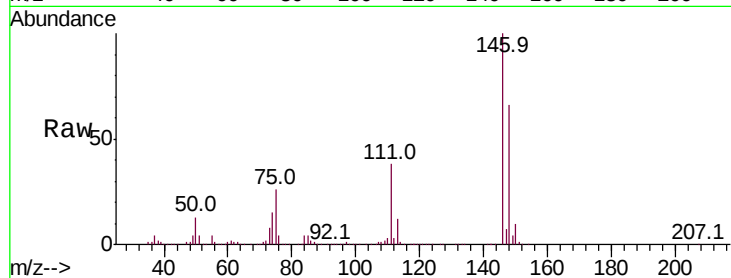
Tot Ion:146 Resp: 932693

Ion Ratio Lower Upper

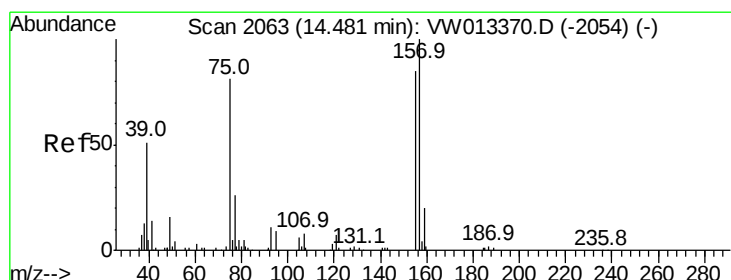
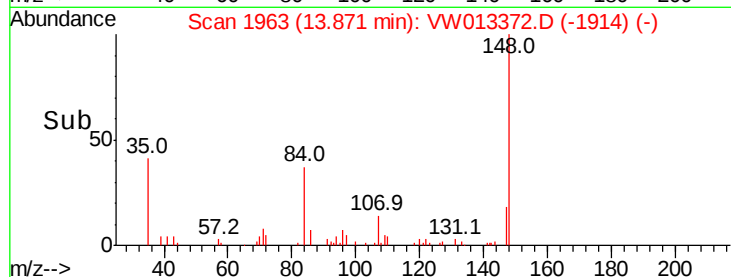
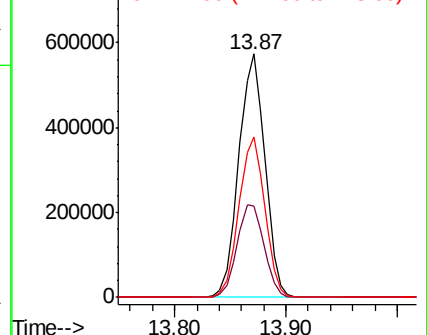
146 100

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

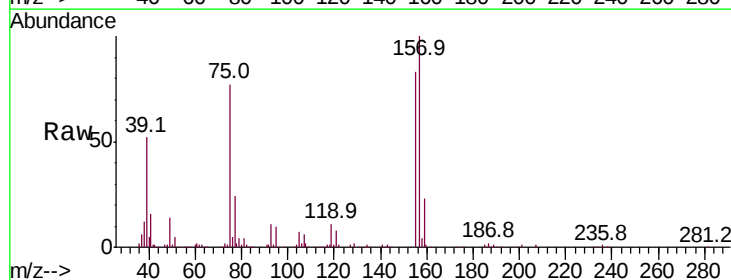
Tgt Ion: 75 Resp: 62949

Ion Ratio Lower Upper

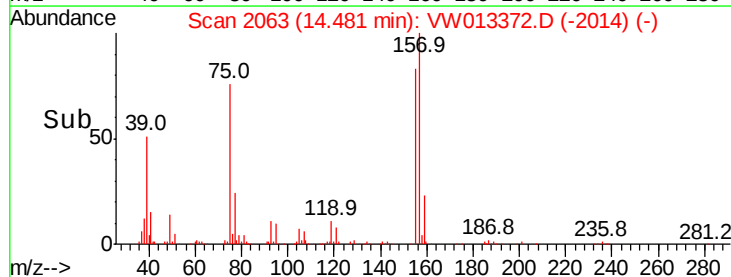
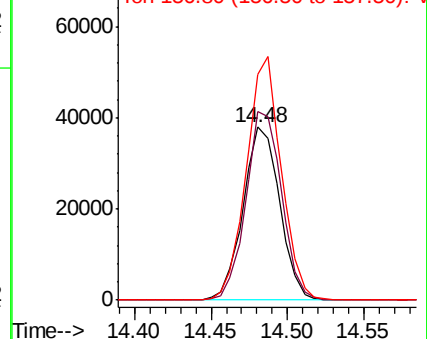
75 100

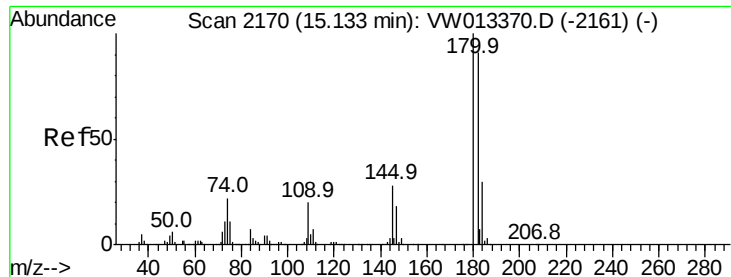
155 106.6 46.1 138.3

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

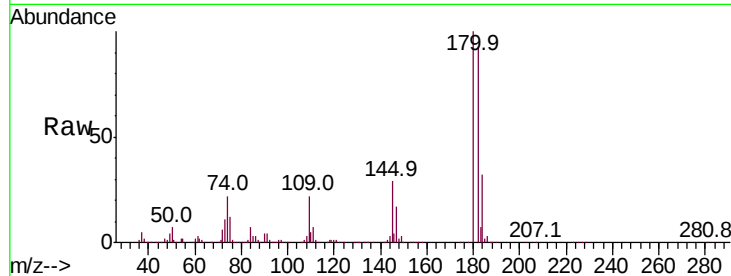




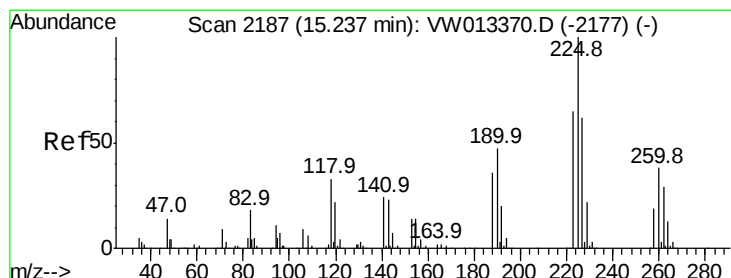
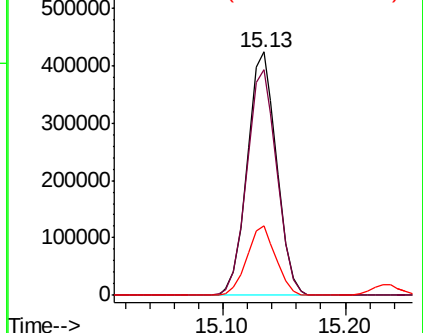
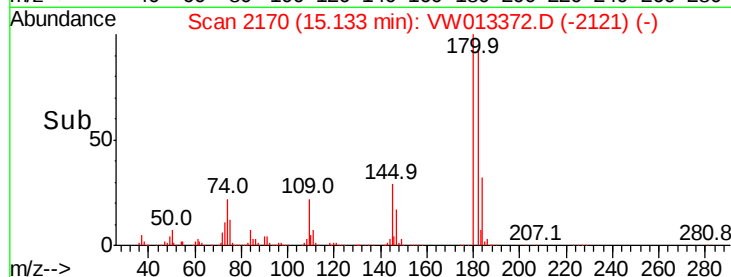
#93
 1,2,4-Trichlorobenzene
 Concen: 155.361 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

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

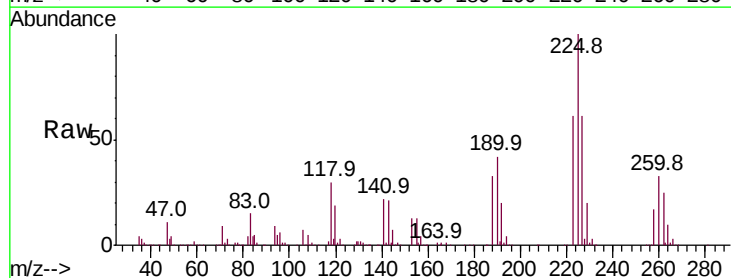


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

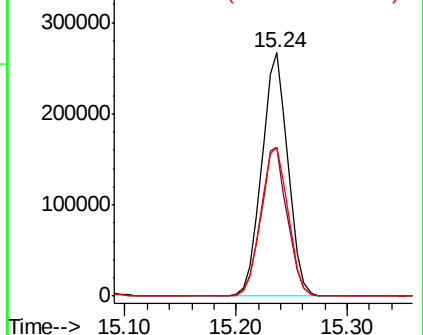
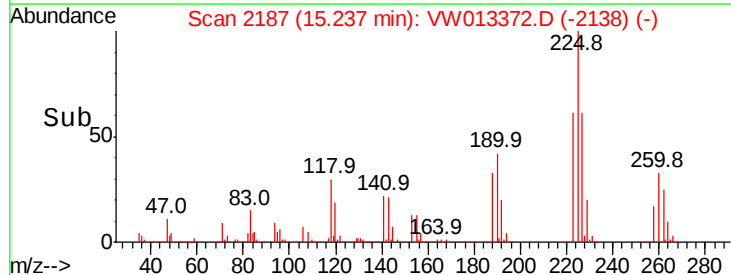


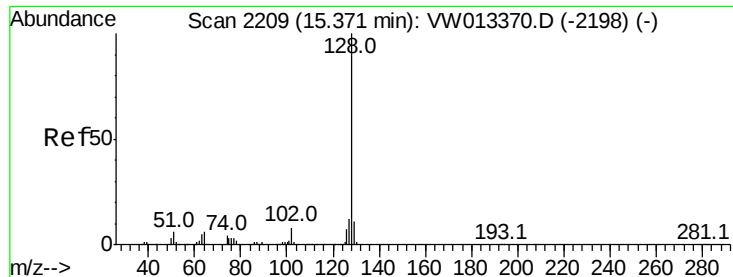
#94
 Hexachlorobutadiene
 Concen: 140.807 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion	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

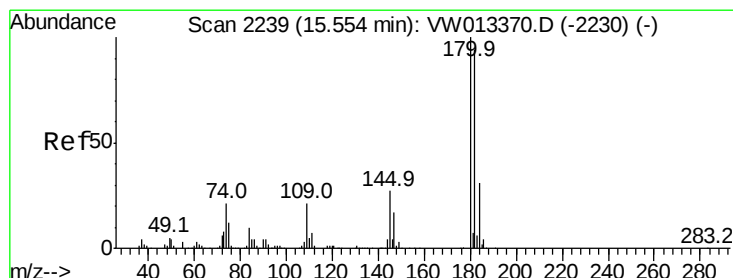
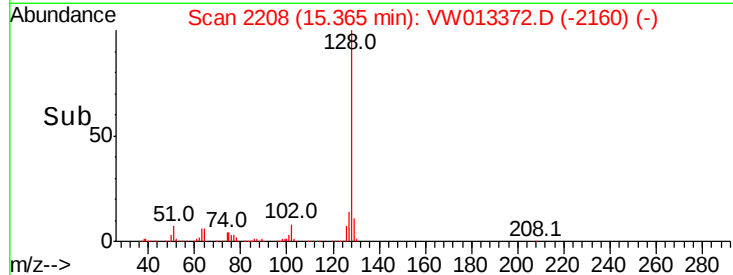
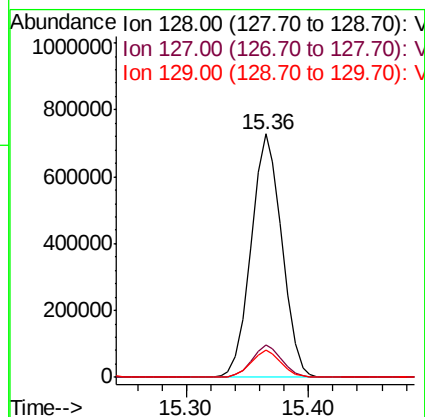
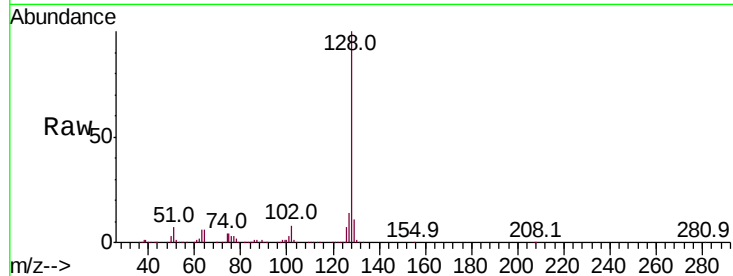




#95
Naphthalene
Concen: 171.480 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

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

