

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013378.D
 Acq On : 02 Oct 2019 15:11
 Operator : SY/VA
 Sample : VW1002SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 16:10:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	401675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	135518	56.07	ug/l	0.00
Spiked Amount			Recovery	=	112.14%	
35) Dibromofluoromethane	7.88	113	134333	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
50) Toluene-d8	10.32	98	562391	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	
62) 4-Bromofluorobenzene	12.62	95	194059	57.89	ug/l	0.00
Spiked Amount			Recovery	=	115.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27290	21.796	ug/l	96
3) Chloromethane	2.20	50	45575	22.058	ug/l	98
4) Vinyl Chloride	2.35	62	62952	21.469	ug/l	97
5) Bromomethane	2.76	94	38445	21.340	ug/l	92
6) Chloroethane	2.91	64	34067	20.120	ug/l	100
7) Trichlorofluoromethane	3.24	101	25892	20.353	ug/l	99
8) Diethyl Ether	3.68	74	30942	21.014	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60117	21.315	ug/l	99
10) Methyl Iodide	4.26	142	93255	20.474	ug/l	99
11) Tert butyl alcohol	5.15	59	50796	255.068	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	61429	20.614	ug/l	99
13) Acrolein	3.89	56	28464	122.122	ug/l	97
14) Allyl chloride	4.67	41	88482	20.072	ug/l	98
15) Acrylonitrile	5.35	53	75308	113.138	ug/l	99
16) Acetone	4.11	43	66083	89.195	ug/l	98
17) Carbon Disulfide	4.38	76	177101	21.304	ug/l	98
18) Methyl Acetate	4.66	43	39280	22.652	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	93865	21.402	ug/l	99
20) Methylene Chloride	4.91	84	71034	21.962	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	66012	20.801	ug/l	98
22) Diisopropyl ether	6.31	45	178177	20.930	ug/l	98
23) Vinyl Acetate	6.25	43	553715	108.395	ug/l	100
24) 1,1-Dichloroethane	6.21	63	108144	20.856	ug/l	98
25) 2-Butanone	7.17	43	102052	107.648	ug/l	91
26) 2,2-Dichloropropane	7.17	77	68296	21.829	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	68200	20.531	ug/l	99
28) Bromochloromethane	7.51	49	36072	19.240	ug/l #	96
29) Tetrahydrofuran	7.53	42	63949	121.172	ug/l	99
30) Chloroform	7.67	83	105239	20.698	ug/l	99
31) Cyclohexane	7.95	56	115513	20.889	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	84542	21.224	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90793	21.206	ug/l	99
37) Ethyl Acetate	7.25	43	44087	23.411	ug/l	99
38) Carbon Tetrachloride	8.07	117	79433	21.417	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	118487	21.013	ug/l	99
40) Benzene	8.32	78	256885	21.195	ug/l	99
41) Methacrylonitrile	7.48	41	24989	21.933	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66602	21.381	ug/l	99
43) Isopropyl Acetate	8.42	43	77326	21.743	ug/l	98
44) Trichloroethene	9.09	130	70850	20.759	ug/l	96
45) 1,2-Dichloropropane	9.37	63	60789	20.890	ug/l	99
46) Dibromomethane	9.46	93	30771	21.229	ug/l	96
47) Bromodichloromethane	9.64	83	74530	20.887	ug/l	98
48) Methyl methacrylate	9.44	41	40411	23.648	ug/l	94
49) 1,4-Dioxane	9.45	88	12676	557.879	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	207977	111.305	ug/l	99
52) Toluene	10.38	92	166588	21.310	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	78583	21.173	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94084	20.908	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	46884	21.683	ug/l	97
56) Ethyl methacrylate	10.65	69	62896	21.611	ug/l	97
57) 1,3-Dichloropropane	10.93	76	80817	21.500	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	145957	122.087	ug/l	99
59) 2-Hexanone	10.97	43	144558	111.616	ug/l	99
60) Dibromochloromethane	11.13	129	52828	21.356	ug/l	100
61) 1,2-Dibromoethane	11.23	107	46388	22.202	ug/l	100
64) Tetrachloroethene	10.86	164	62073	20.312	ug/l	98
65) Chlorobenzene	11.66	112	173074	21.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	59171	21.111	ug/l	99
67) Ethyl Benzene	11.73	91	312809	21.209	ug/l	99
68) m/p-Xylenes	11.84	106	241615	42.442	ug/l	99
69) o-Xylene	12.16	106	109691	20.840	ug/l	98
70) Styrene	12.18	104	190711	21.196	ug/l	99
71) Bromoform	12.35	173	33728	22.196	ug/l #	97
73) Isopropylbenzene	12.46	105	310008	20.447	ug/l	100
74) N-amyl acetate	12.27	43	70666	21.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	55226	21.520	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	69377	37.660	ug/l #	100
77) Bromobenzene	12.74	156	73868	20.290	ug/l	99
78) n-propylbenzene	12.80	91	362191	20.767	ug/l	100
79) 2-Chlorotoluene	12.89	91	202290	20.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	263714	20.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17505	22.710	ug/l	97
82) 4-Chlorotoluene	12.99	91	211040	20.798	ug/l	99
83) tert-Butylbenzene	13.21	119	231073	21.005	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	261723	20.903	ug/l	98
85) sec-Butylbenzene	13.38	105	316033	20.836	ug/l	99
86) p-Isopropyltoluene	13.50	119	294477	20.950	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	142654	20.828	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	140388	20.471	ug/l	100
89) n-Butylbenzene	13.82	91	267184	21.083	ug/l	99
90) Hexachloroethane	14.09	117	49439	21.289	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	125585	20.741	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8747	22.788	ug/l	92

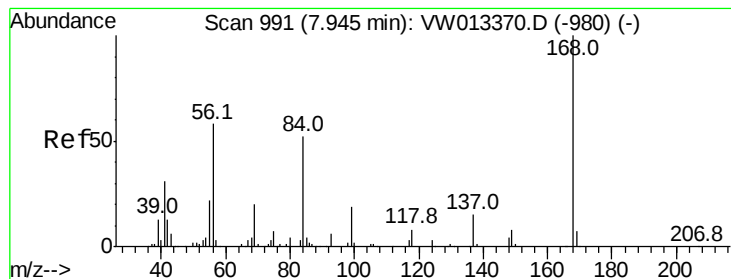
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	91837	21.135	ug/l	99
94) Hexachlorobutadiene	15.24	225	60593	21.466	ug/l	99
95) Naphthalene	15.36	128	161327	22.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	82535	21.755	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

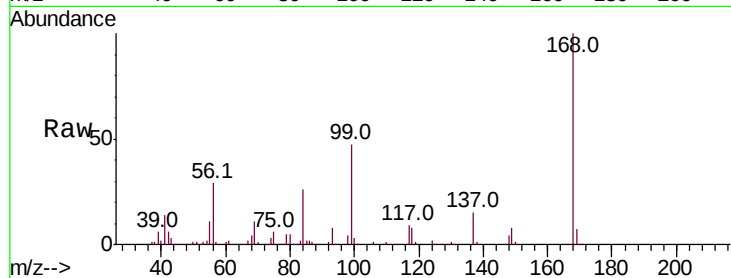
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 323714

Ion Ratio Lower Upper

168 100

99 47.5 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

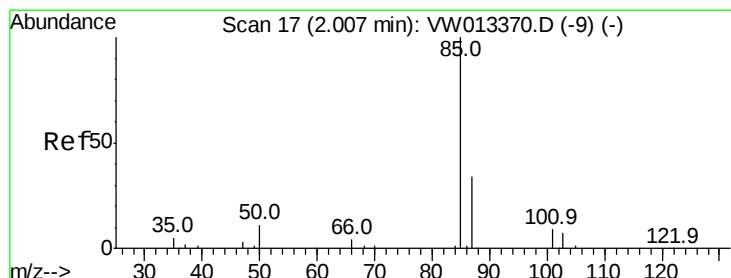
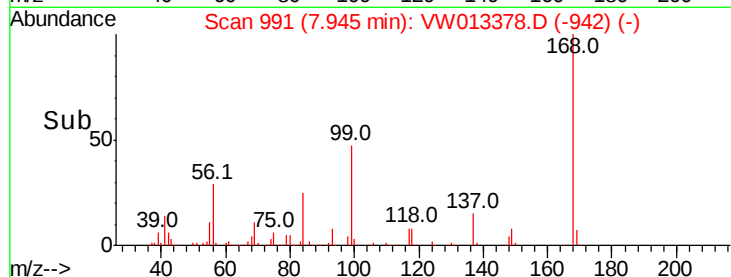
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.796 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013378.D

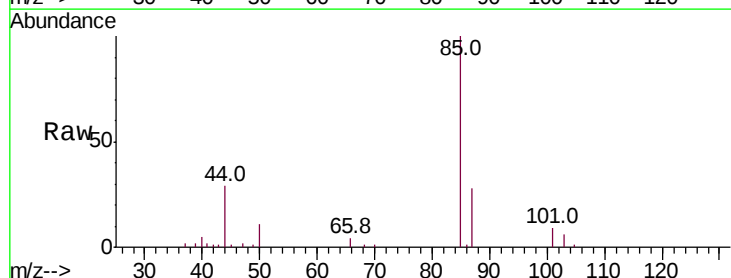
Acq: 02 Oct 2019 15:11

Tgt Ion: 85 Resp: 27290

Ion Ratio Lower Upper

85 100

87 27.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

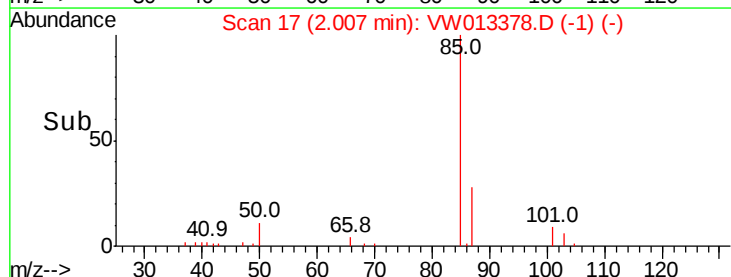
4000

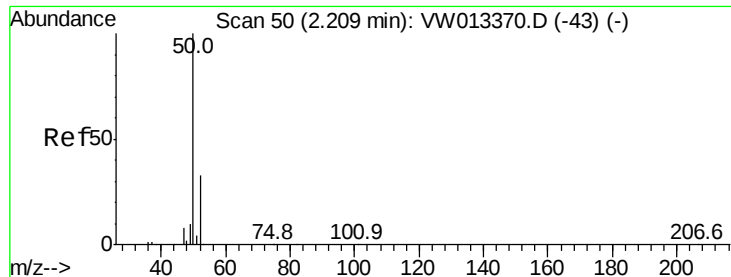
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 22.058 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

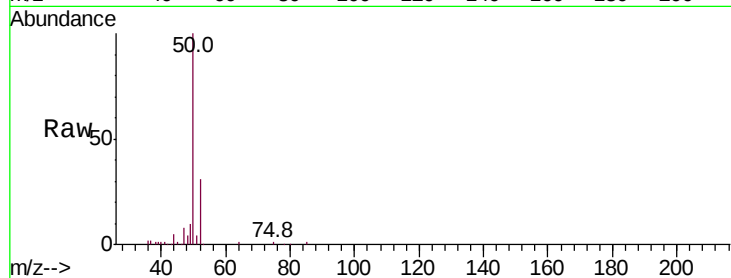
ClientSampled :

Tot Ion: 50 Resp: 45575

Ion Ratio Lower Upper

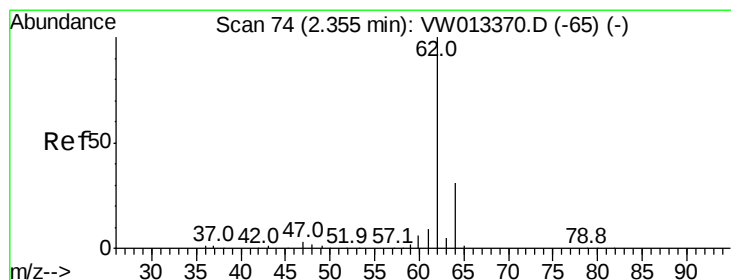
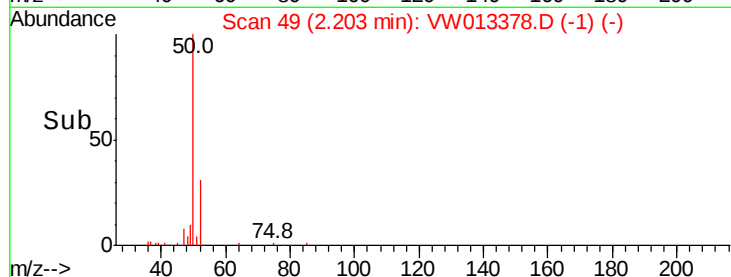
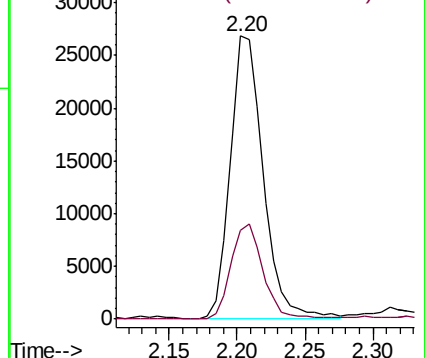
50 100

52 31.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.469 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013378.D

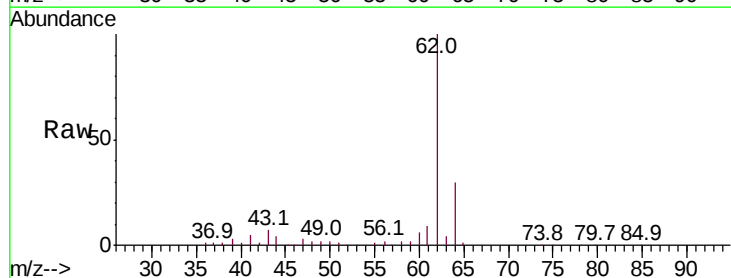
Acq: 02 Oct 2019 15:11

Tgt Ion: 62 Resp: 62952

Ion Ratio Lower Upper

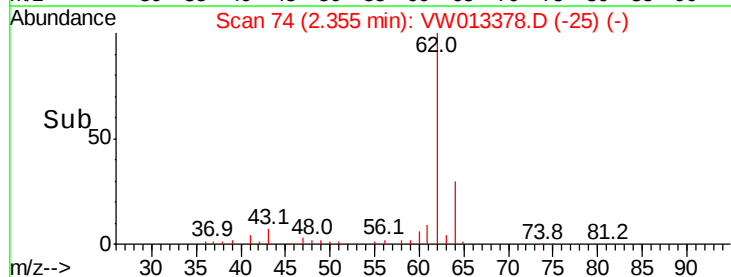
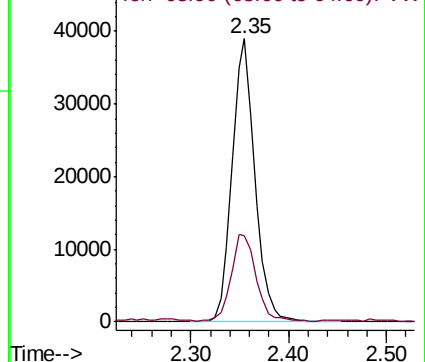
62 100

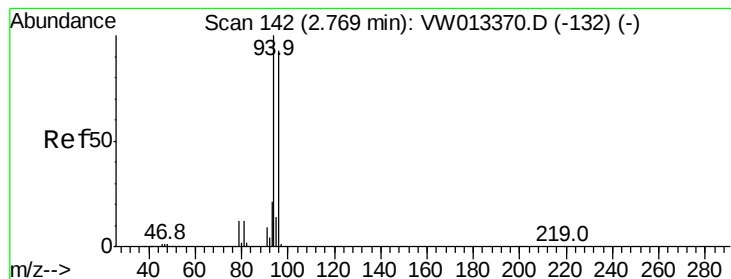
64 29.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.340 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

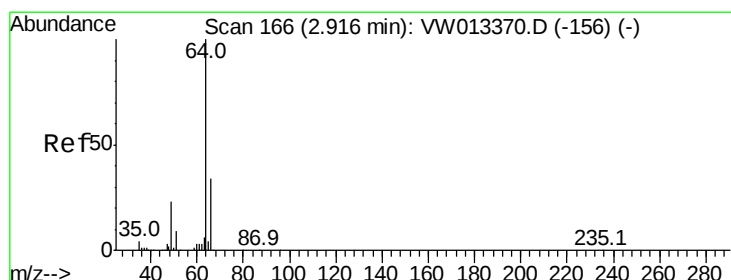
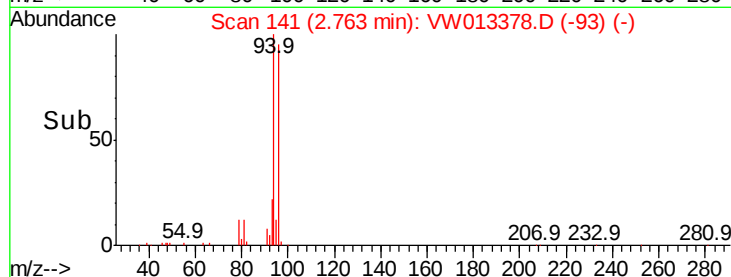
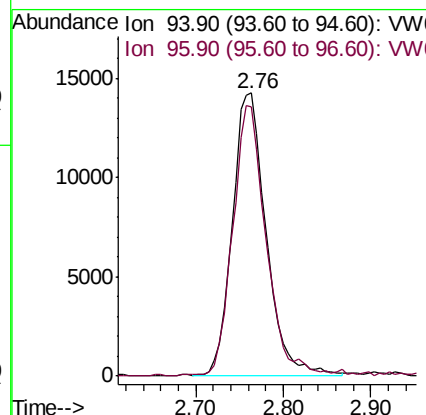
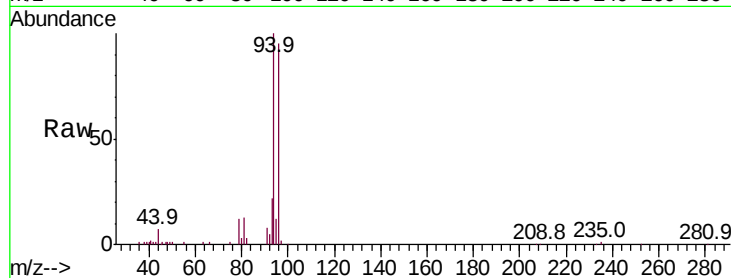
ClientSampleId :

Tot Ion: 94 Resp: 38445

Ion Ratio Lower Upper

94 100

96 94.5 69.7 104.5



#6

Chloroethane

Concen: 20.120 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013378.D

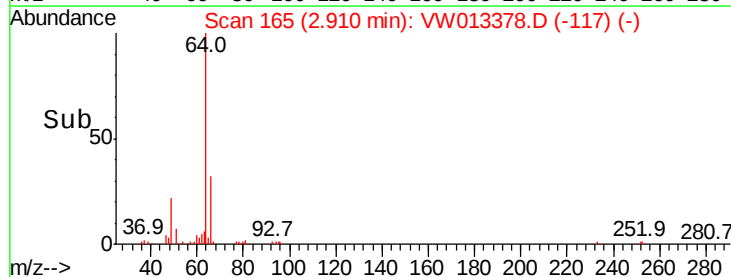
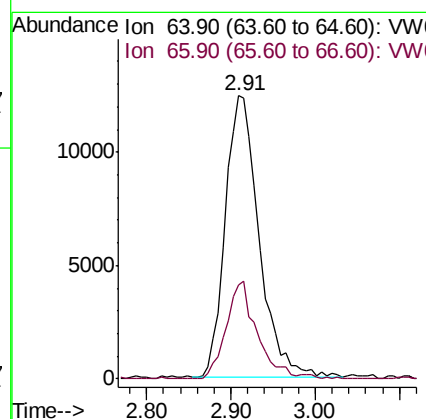
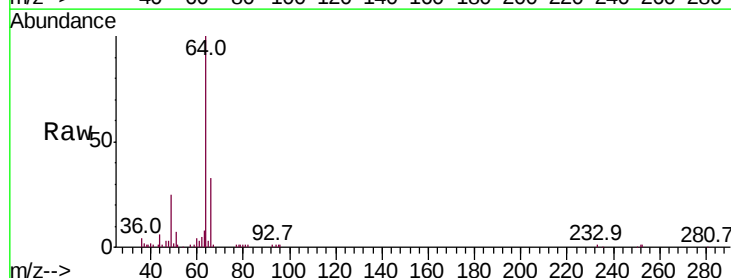
Acq: 02 Oct 2019 15:11

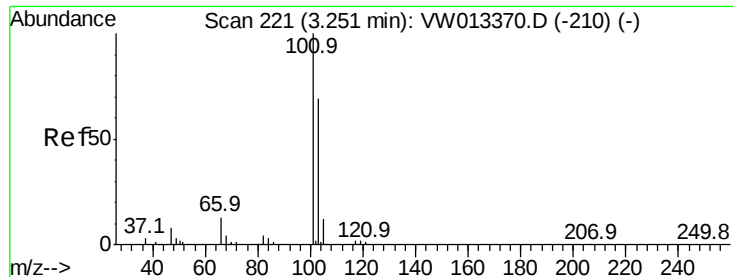
Tgt Ion: 64 Resp: 34067

Ion Ratio Lower Upper

64 100

66 33.3 26.6 39.8



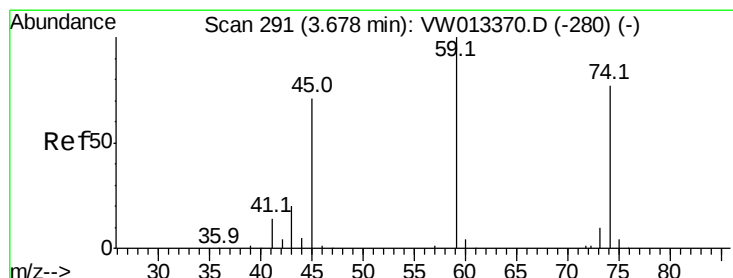
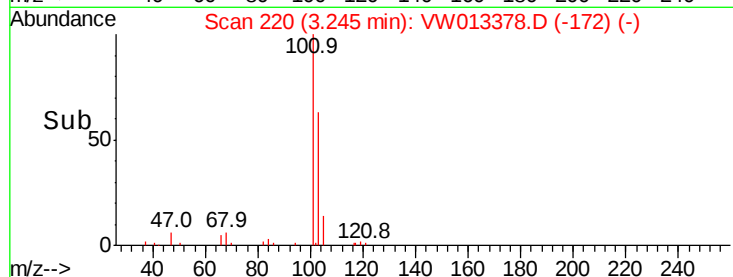
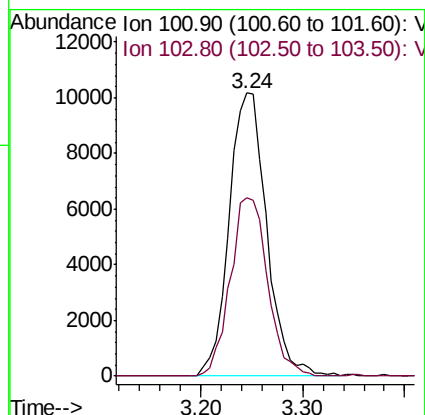
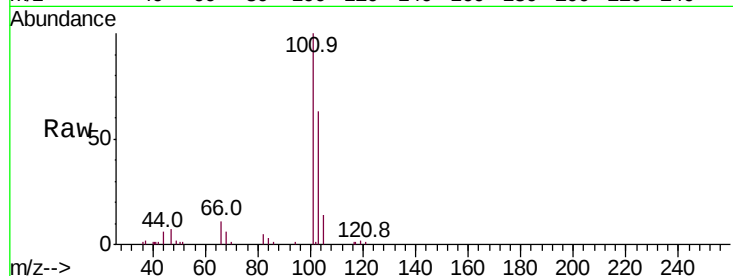


#7

Trichlorofluoromethane
Concen: 20.353 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :

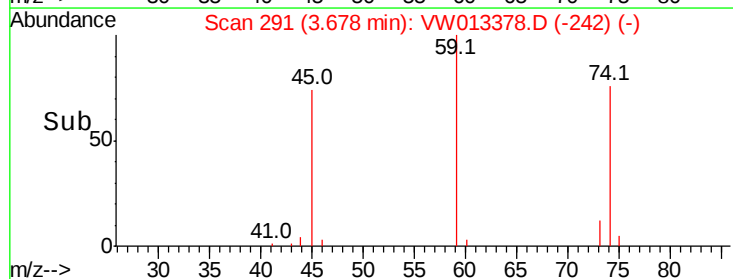
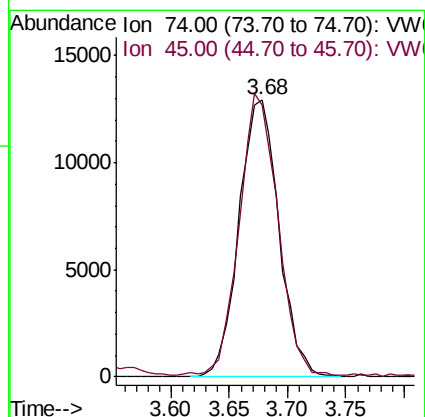
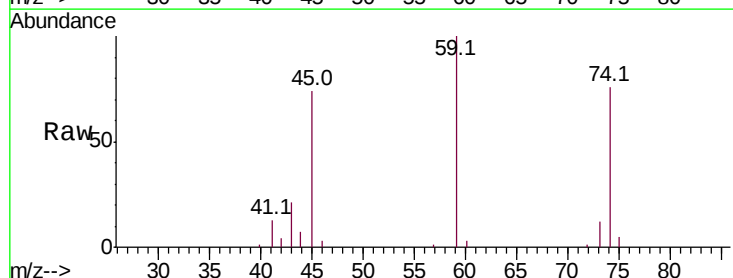
Tot Ion:101 Resp: 25892
Ion Ratio Lower Upper
101 100
103 63.1 49.7 74.5

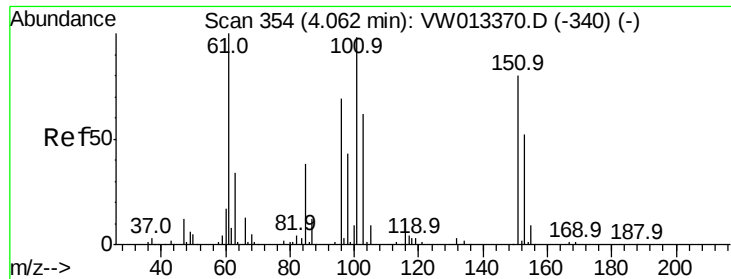


#8

Diethyl Ether
Concen: 21.014 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 74 Resp: 30942
Ion Ratio Lower Upper
74 100
45 98.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.315 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

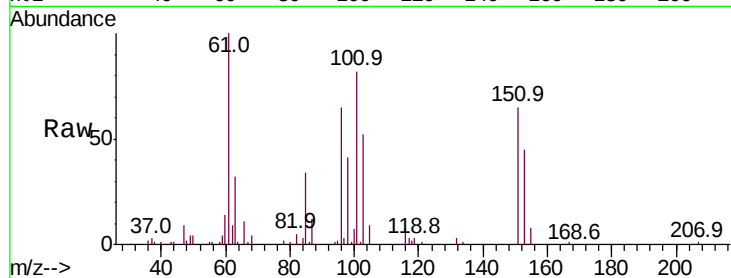
Tot Ion:101 Resp: 60117

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.0

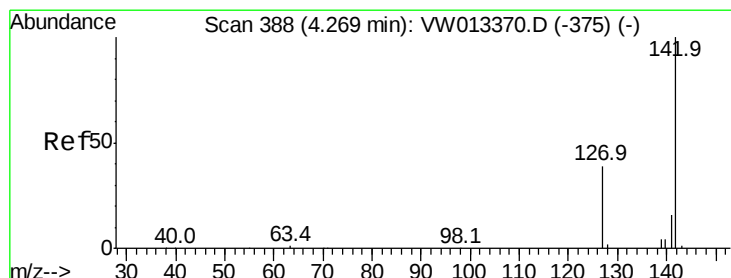
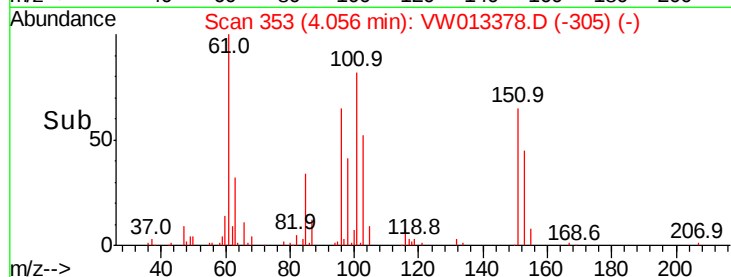
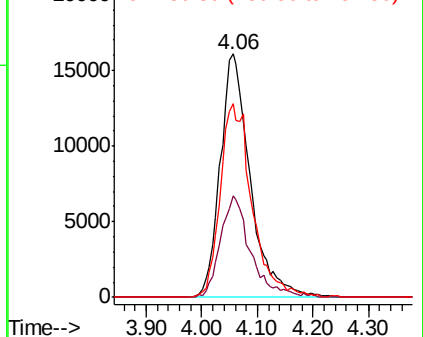
151 84.4 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.474 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

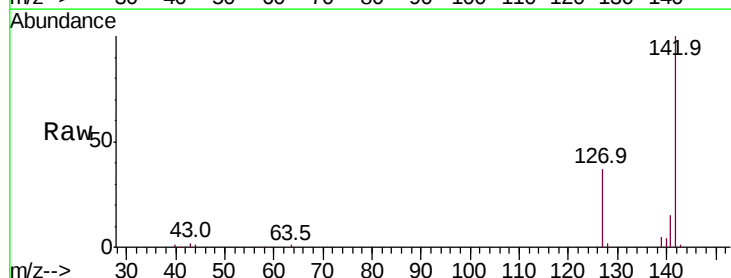
Tgt Ion:142 Resp: 93255

Ion Ratio Lower Upper

142 100

127 38.0 30.9 46.3

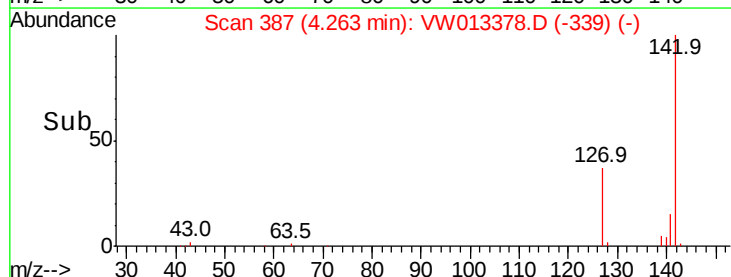
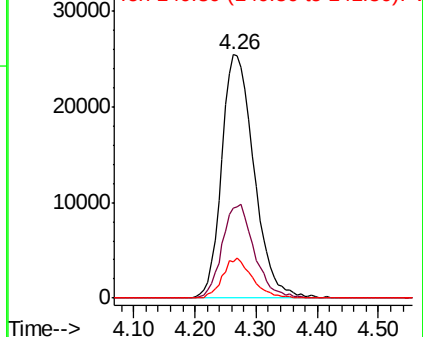
141 15.0 11.7 17.5

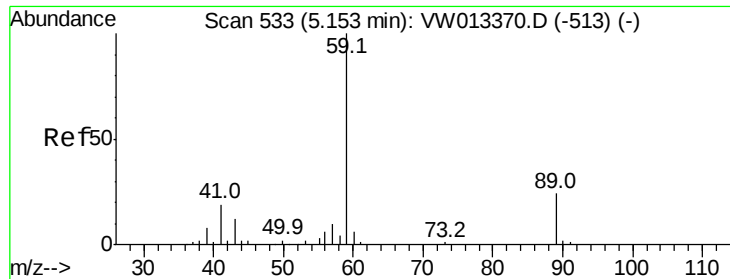


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



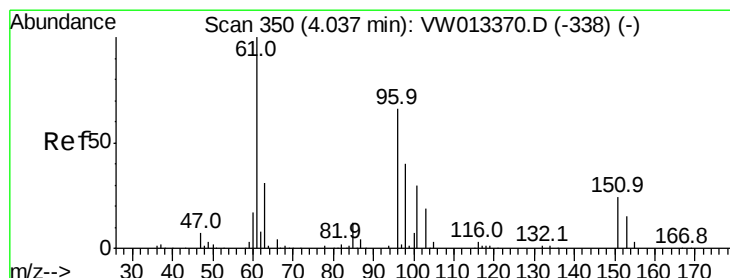
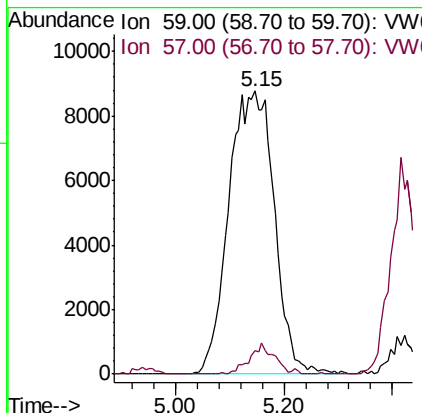
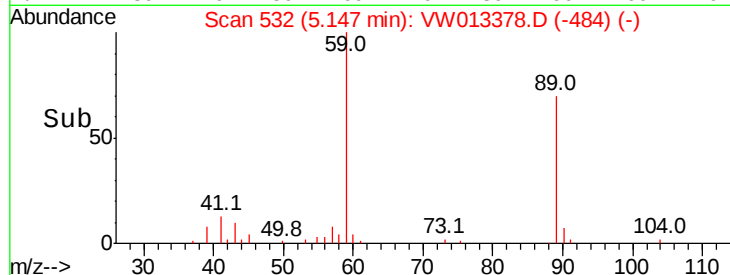
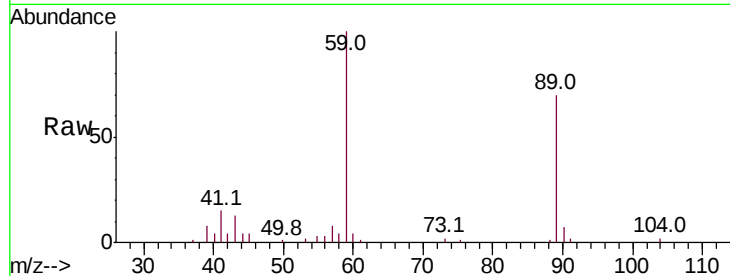


#11

Tert butyl alcohol
 Concen: 255.068 ug/l
 RT: 5.15 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :

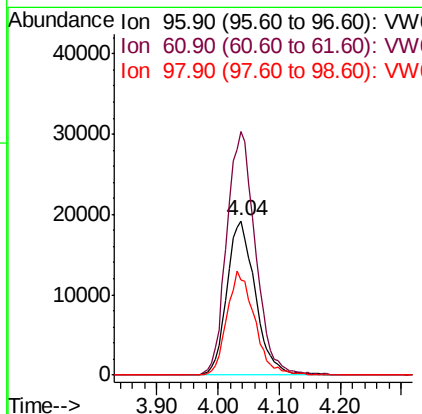
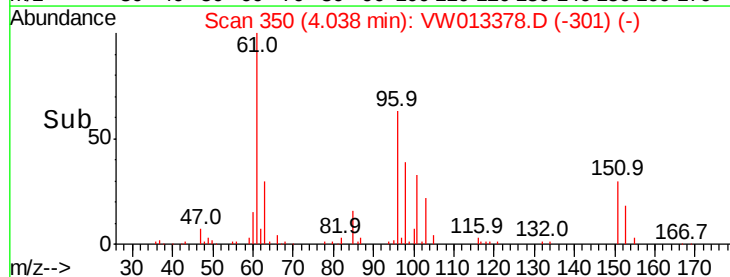
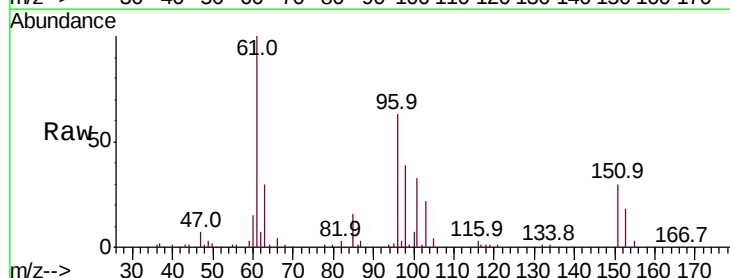
Tot Ion: 59 Resp: 50796
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.2 12.2#

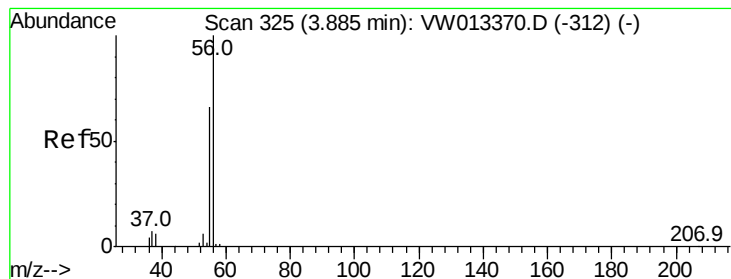


#12

1,1-Dichloroethene
 Concen: 20.614 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion: 96 Resp: 61429
 Ion Ratio Lower Upper
 96 100
 61 157.5 125.1 187.7
 98 61.4 50.8 76.2





#13

Acrolein

Concen: 122.122 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

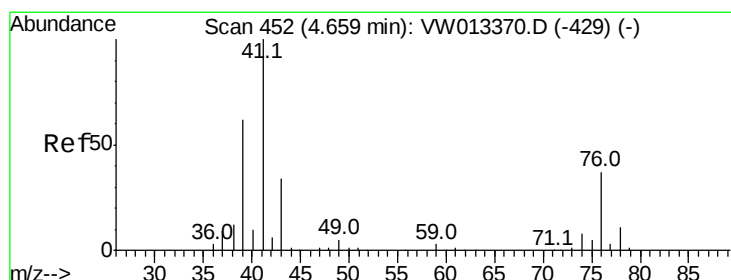
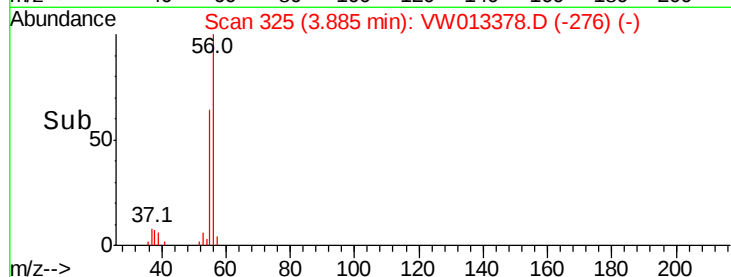
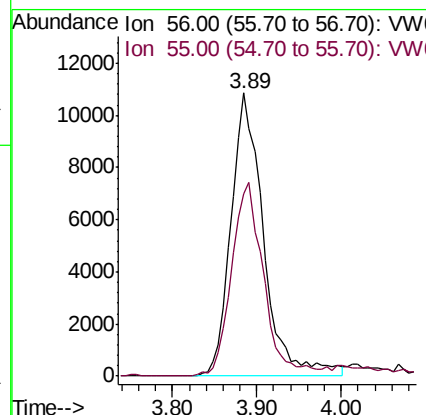
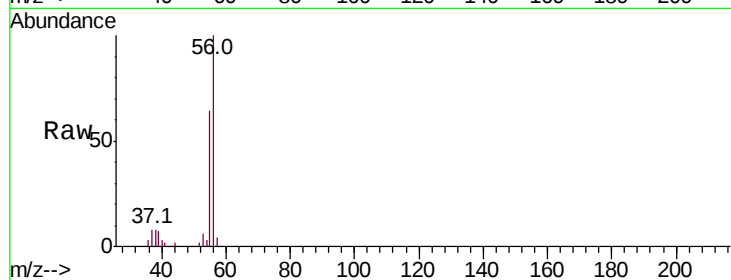
ClientSampled :

Tot Ion: 56 Resp: 28464

Ion Ratio Lower Upper

56 100

55 67.0 55.4 83.0



#14

Allyl chloride

Concen: 20.072 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

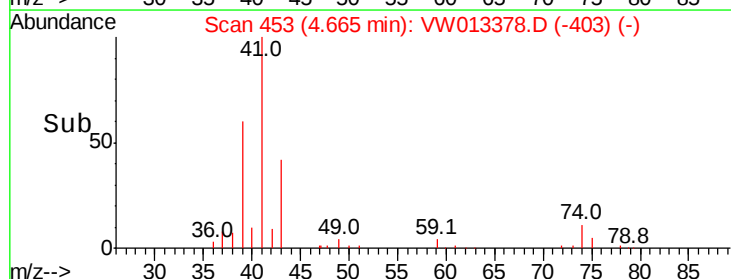
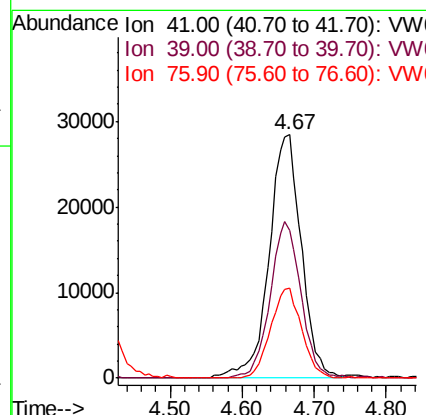
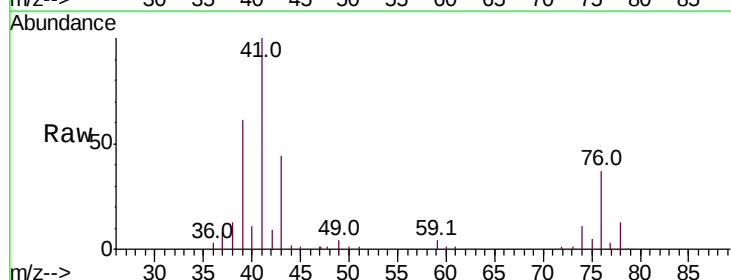
Tgt Ion: 41 Resp: 88482

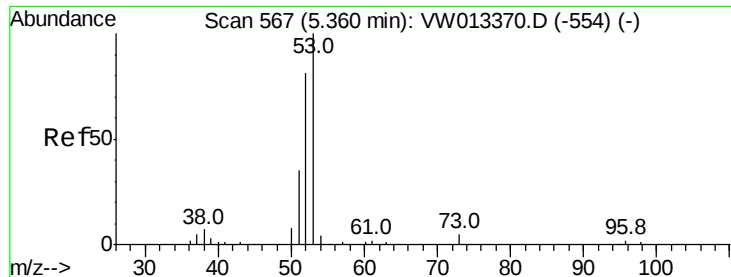
Ion Ratio Lower Upper

41 100

39 61.4 51.0 76.4

76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 113.138 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

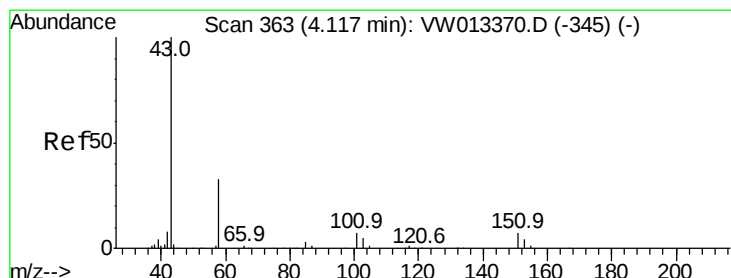
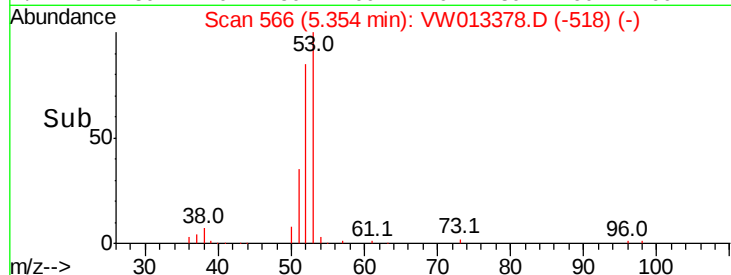
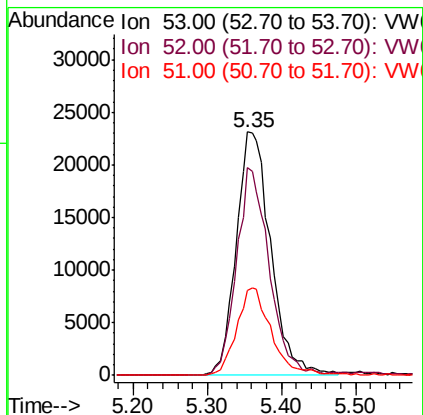
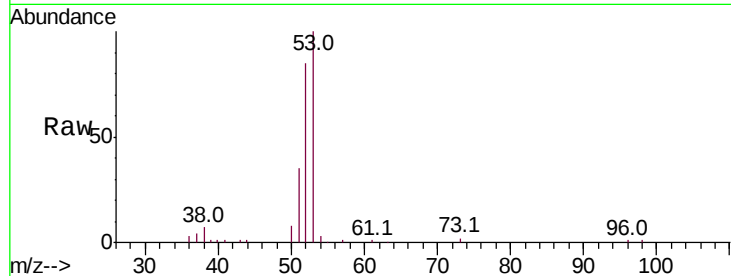
Tot Ion: 53 Resp: 75308

Ion Ratio Lower Upper

53 100

52 81.2 65.3 97.9

51 35.7 29.0 43.4



#16

Acetone

Concen: 89.195 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW013378.D

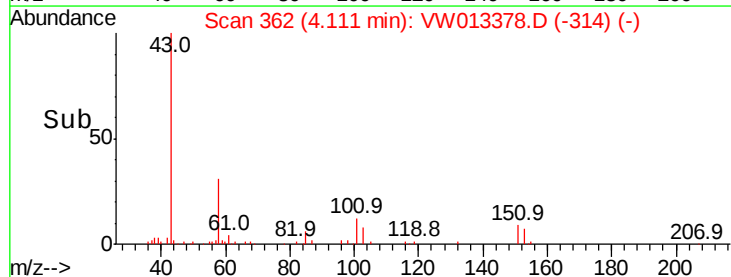
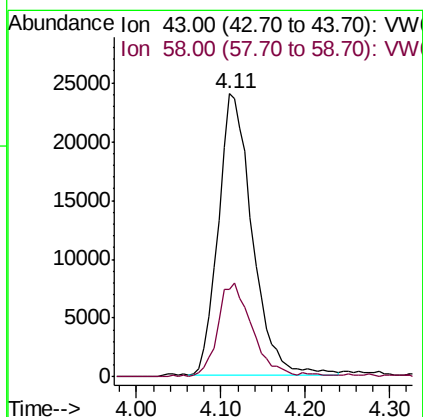
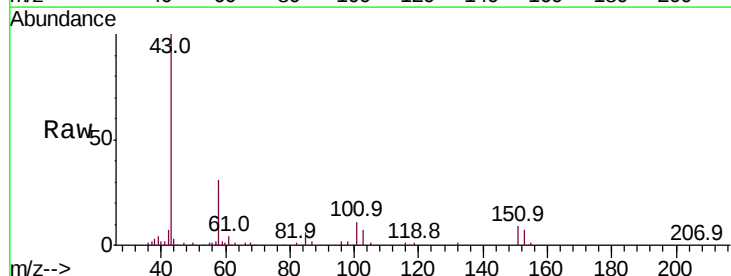
Acq: 02 Oct 2019 15:11

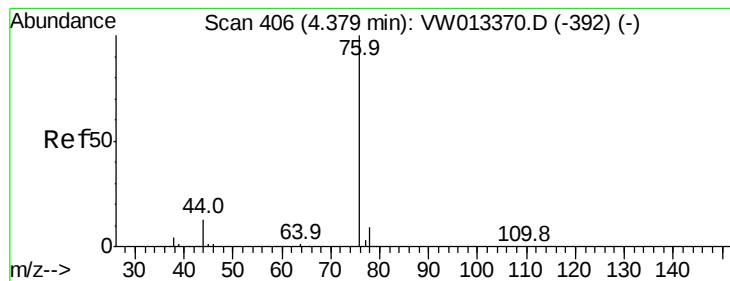
Tgt Ion: 43 Resp: 66083

Ion Ratio Lower Upper

43 100

58 31.0 24.1 36.1





#17

Carbon Disulfide

Concen: 21.304 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

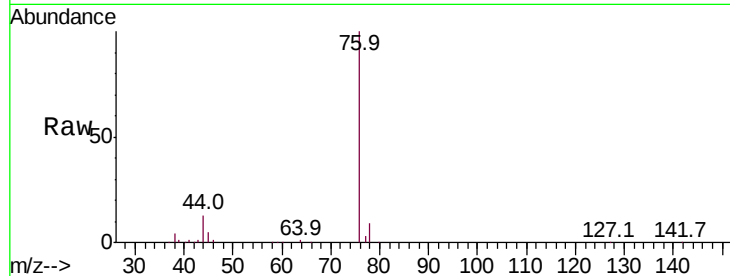
ClientSampleId :

Tot Ion: 76 Resp: 177101

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

60000

50000

40000

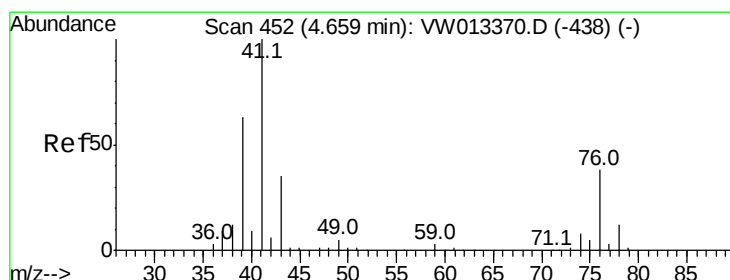
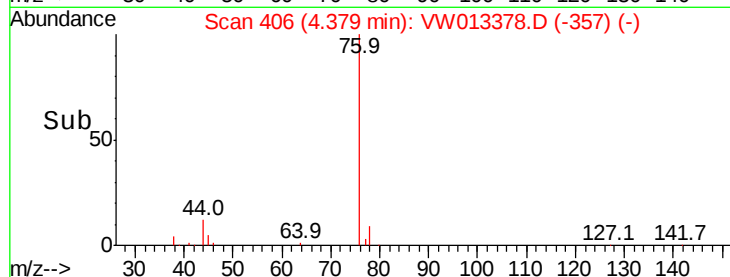
30000

20000

10000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 22.652 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013378.D

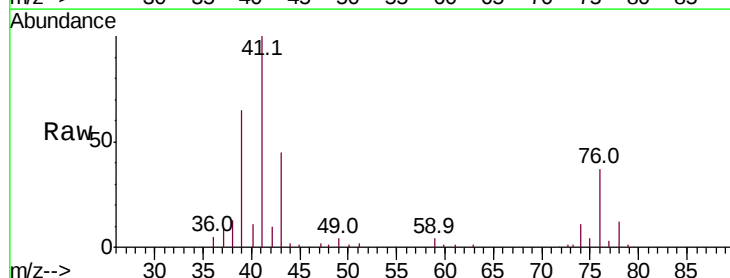
Acq: 02 Oct 2019 15:11

Tgt Ion: 43 Resp: 39280

Ion Ratio Lower Upper

43 100

74 22.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

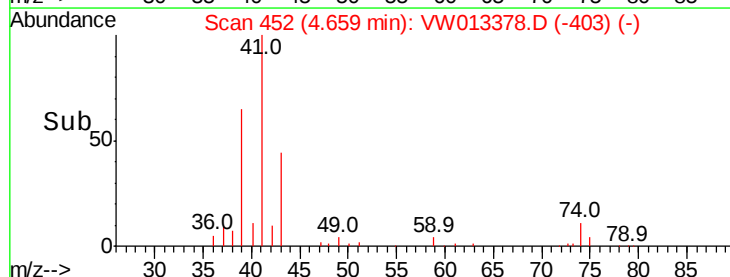
15000

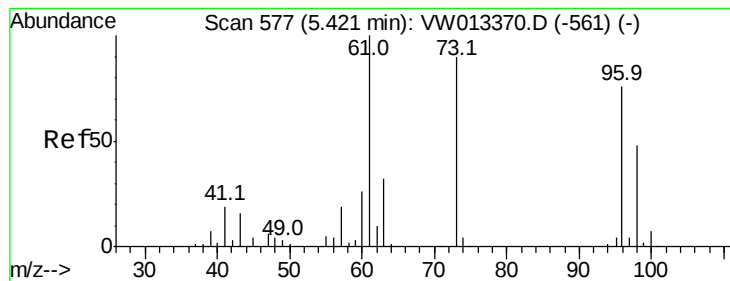
10000

5000

0

Time--> 4.60 4.70 4.80



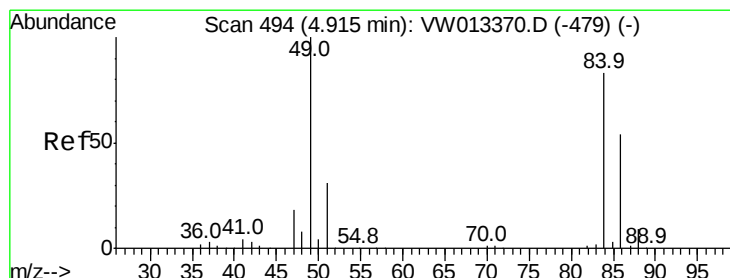
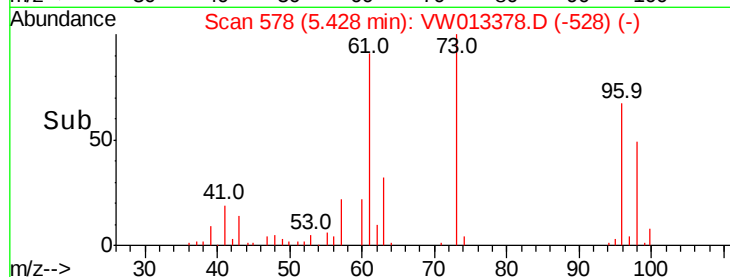
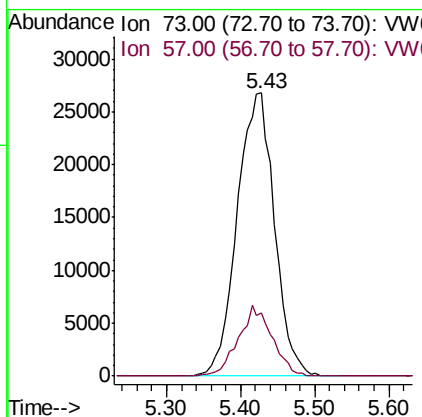
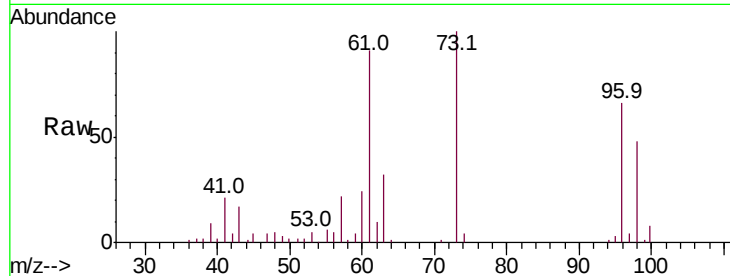


#19

Methyl tert-butyl Ether
 Concen: 21.402 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :

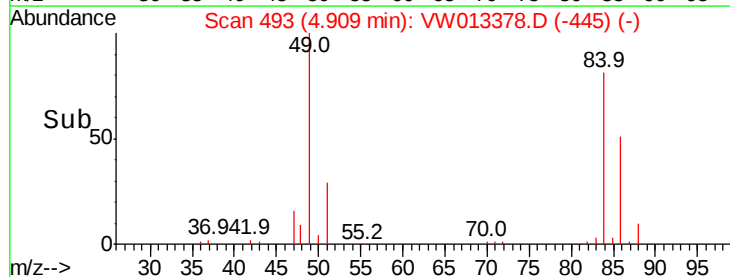
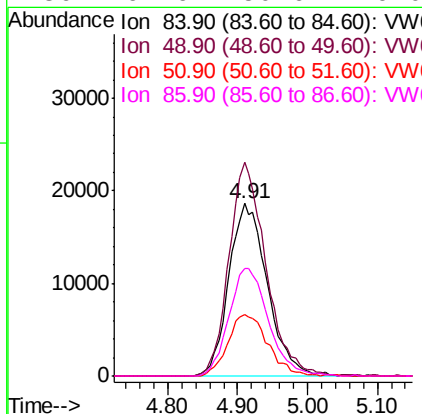
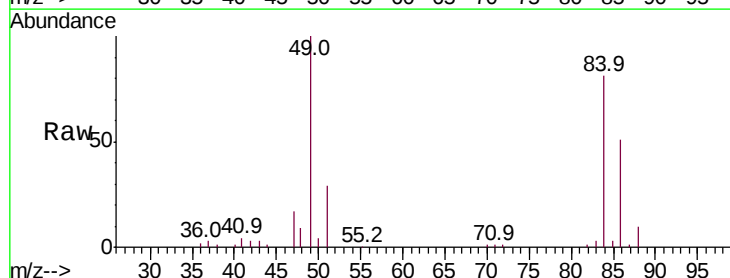
Tot Ion: 73 Resp: 93865
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.6 26.4

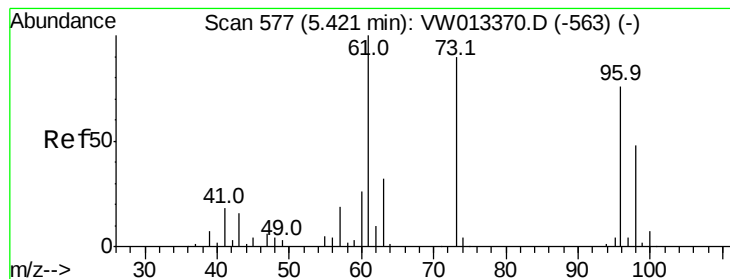


#20

Methylene Chloride
 Concen: 21.962 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion: 84 Resp: 71034
 Ion Ratio Lower Upper
 84 100
 49 123.8 97.6 146.4
 51 35.8 30.2 45.2
 86 62.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.801 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

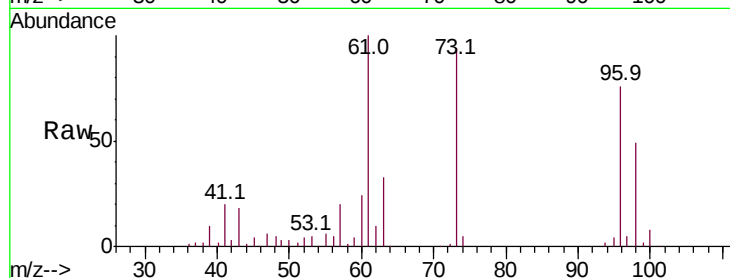
Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 66012

Ion	Ratio	Lower	Upper
96	100		
61	131.2	106.6	159.8
98	64.5	49.8	74.8

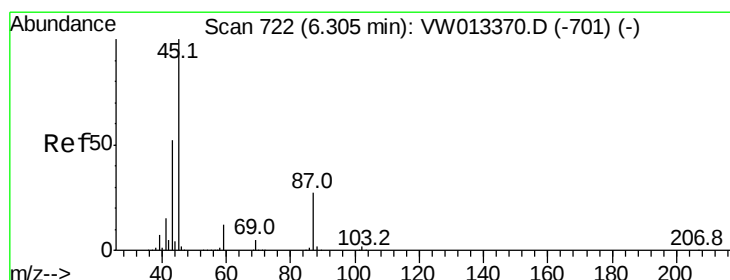
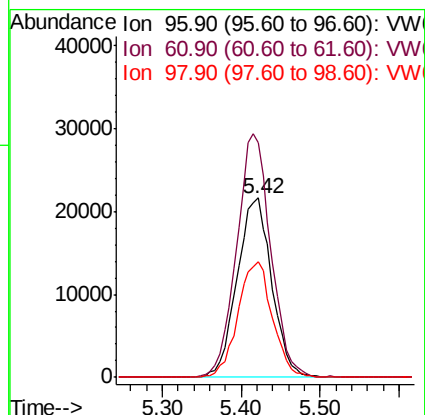
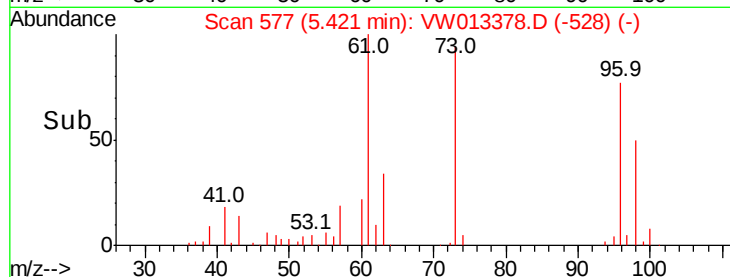


Abundance

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: 20.930 ug/l

RT: 6.31 min Scan# 722

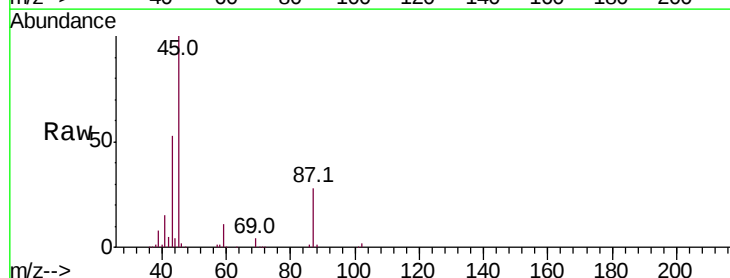
Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion: 45 Resp: 178177

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.4	63.6
87	27.8	20.4	30.6
59	10.8	8.8	13.2



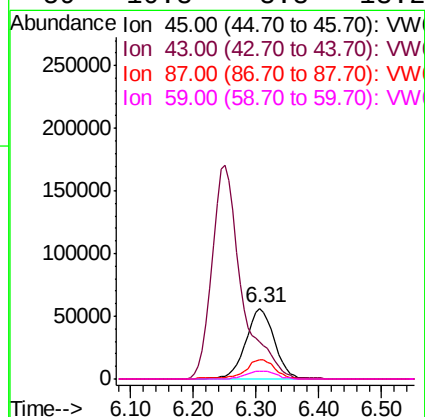
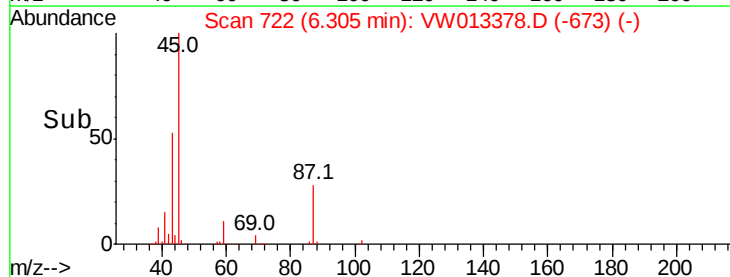
Abundance

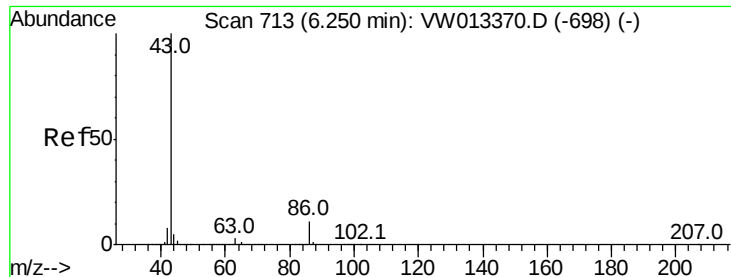
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 108.395 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

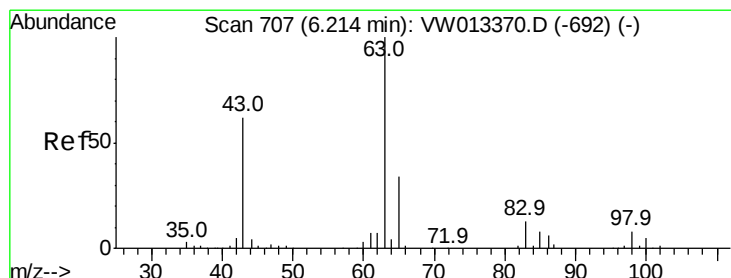
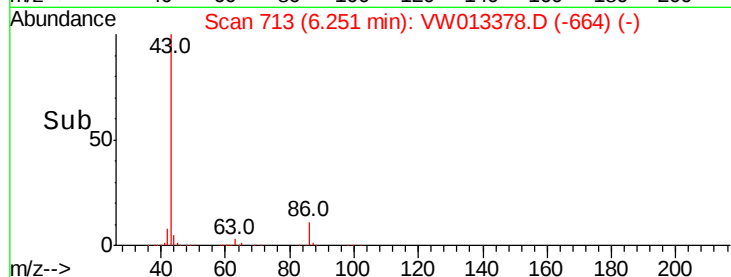
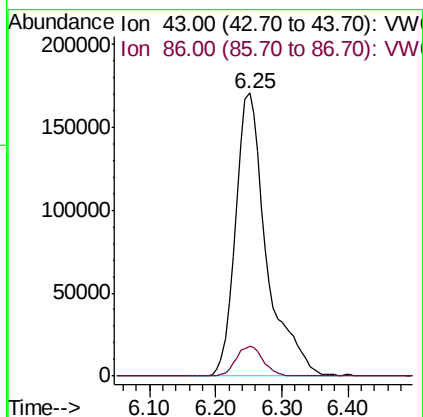
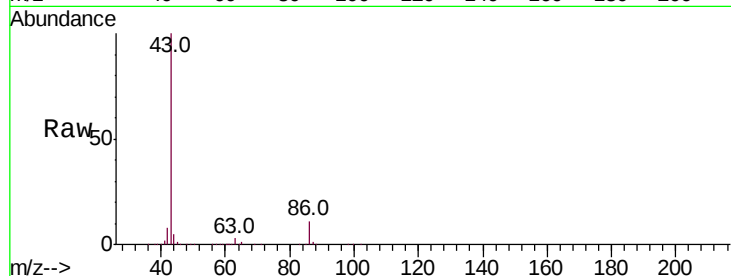
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 553715

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.856 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

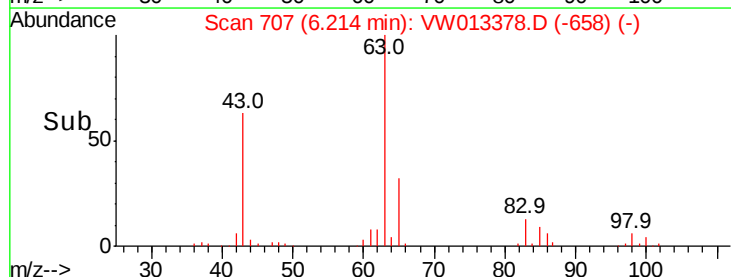
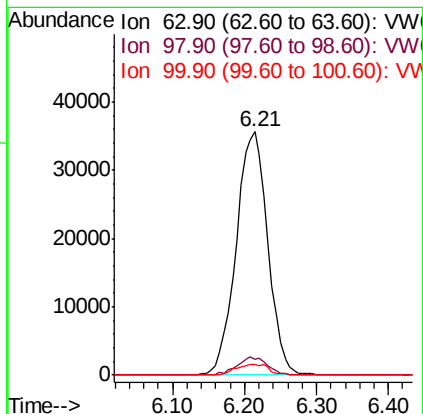
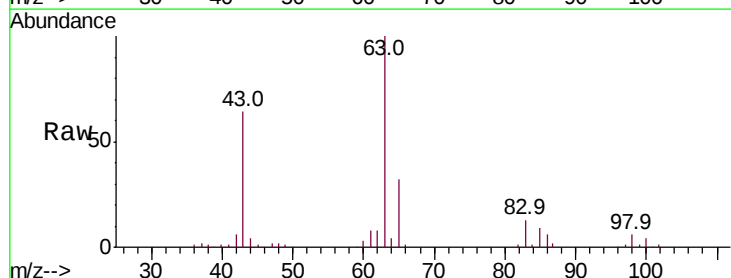
Tgt Ion: 63 Resp: 108144

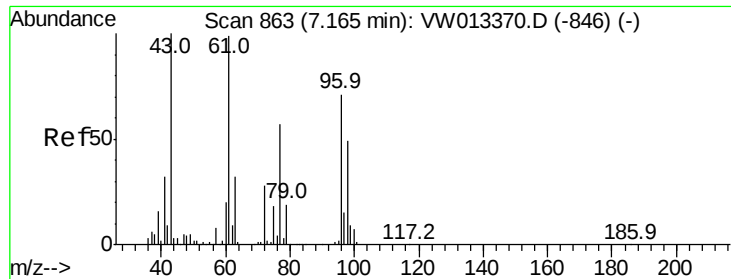
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 107.648 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

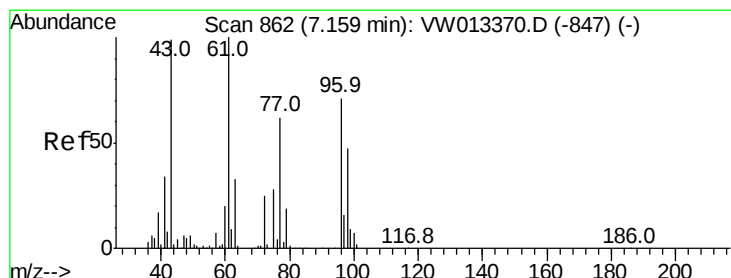
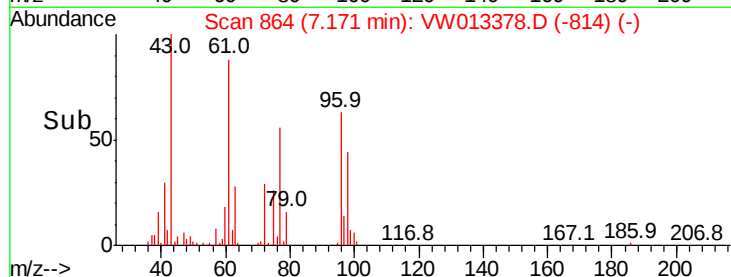
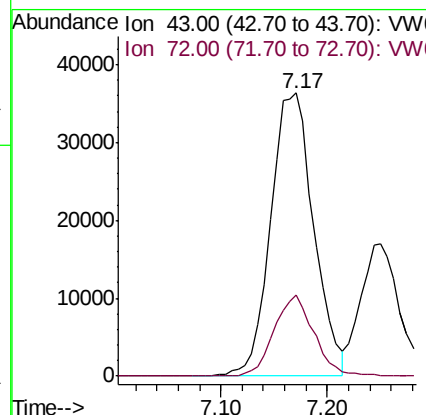
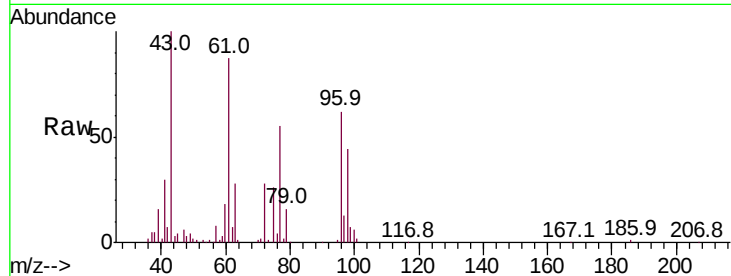
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 102052

Ion Ratio Lower Upper

43 100

72 28.5 19.4 29.0



#26

2,2-Dichloropropane

Concen: 21.829 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013378.D

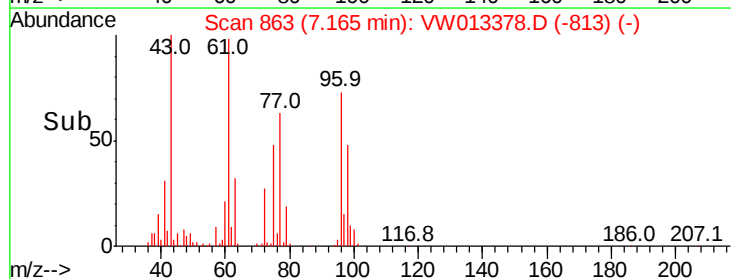
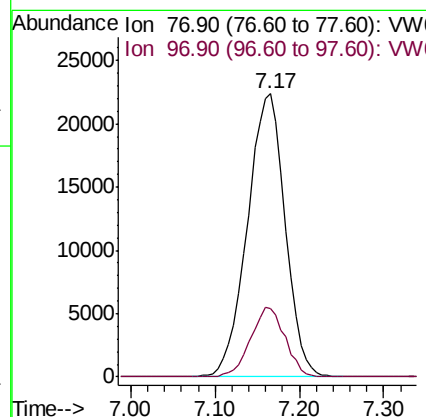
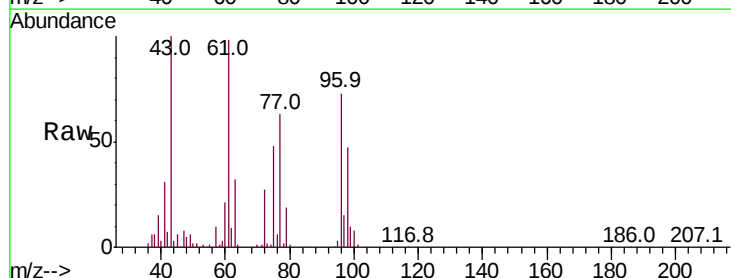
Acq: 02 Oct 2019 15:11

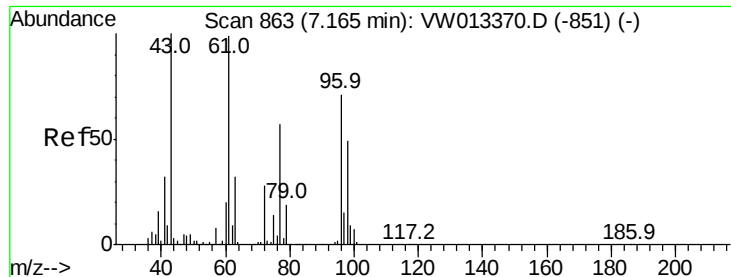
Tgt Ion: 77 Resp: 68296

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.4



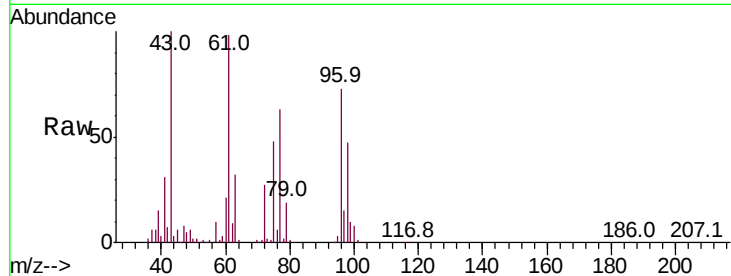


#27

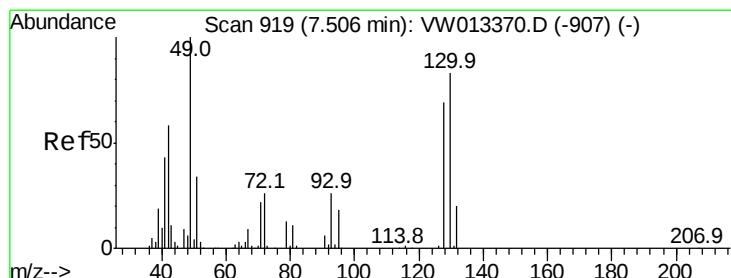
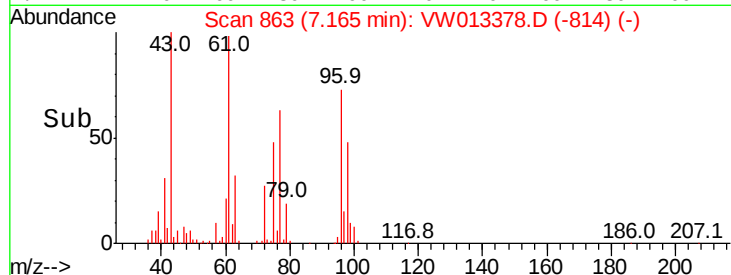
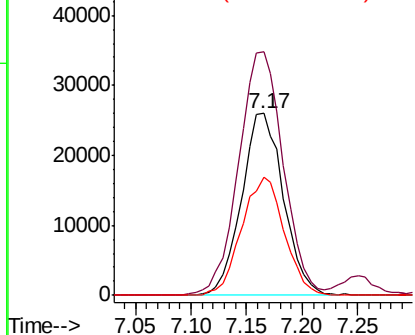
cis-1,2-Dichloroethene
Concen: 20.531 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 68200
Ion Ratio Lower Upper
96 100
61 142.0 0.0 282.4
98 66.1 0.0 128.2



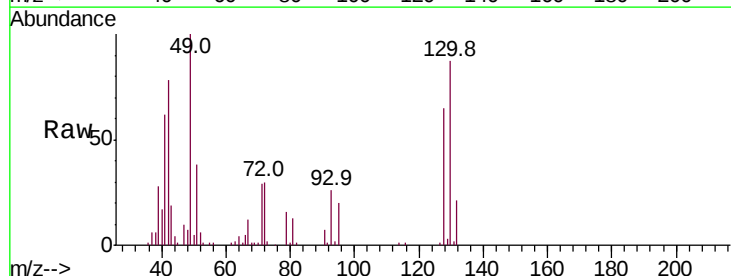
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



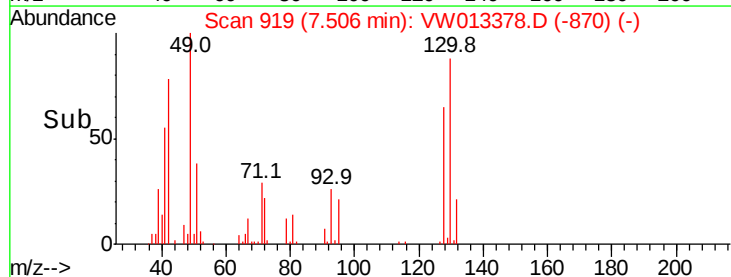
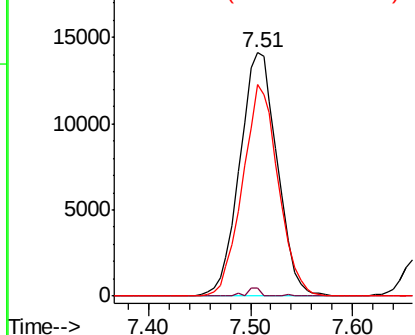
#28

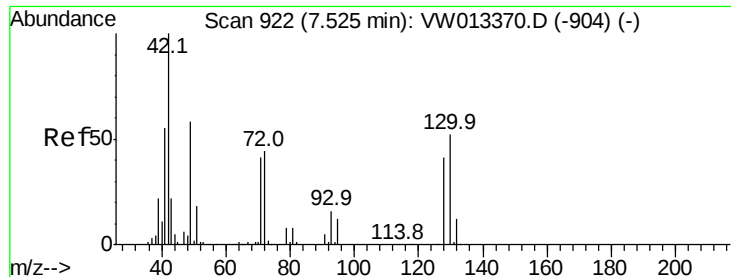
Bromochloromethane
Concen: 19.240 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 49 Resp: 36072
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.0#
130 83.0 63.4 95.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

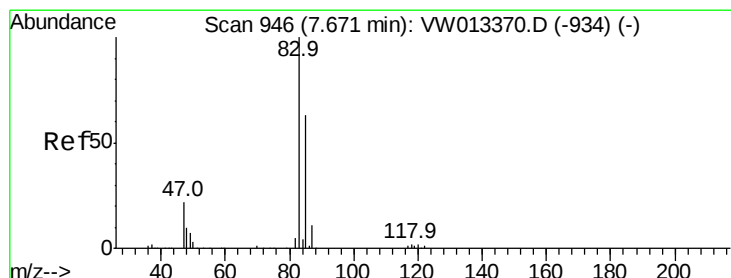
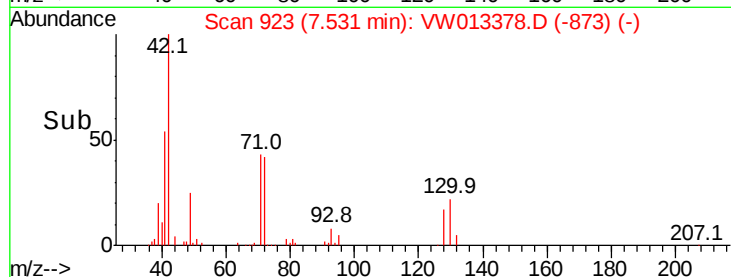
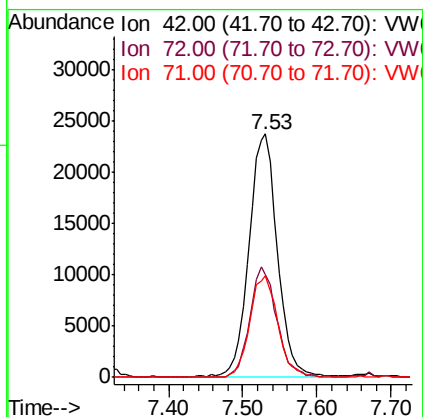
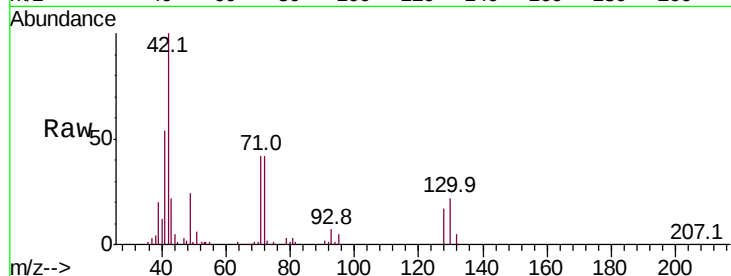




#29
Tetrahydrofuran
Concen: 121.172 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

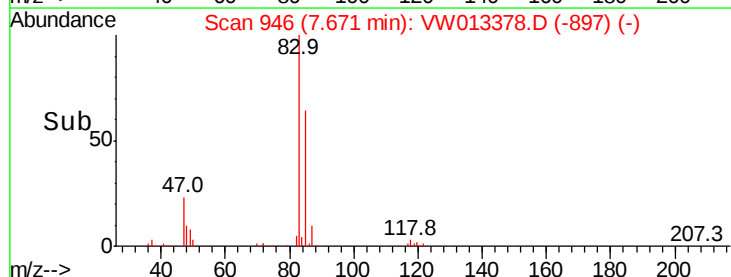
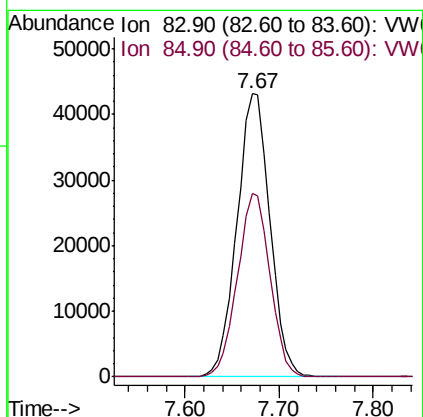
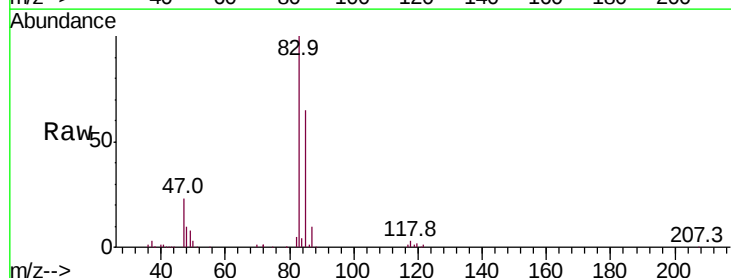
Instrument :
MSVOA_W
ClientSampled :

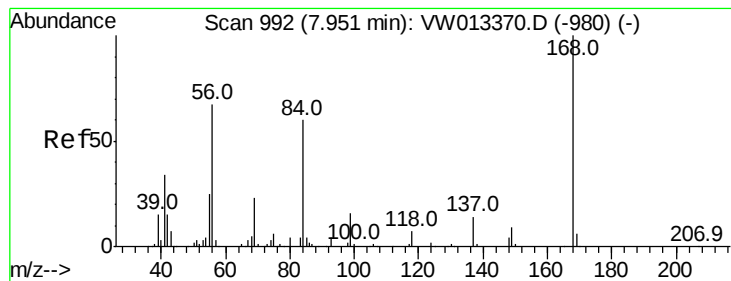
Tot Ion: 42 Resp: 63949
Ion Ratio Lower Upper
42 100
72 42.7 33.9 50.9
71 40.9 31.9 47.9



#30
Chloroform
Concen: 20.698 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 83 Resp: 105239
Ion Ratio Lower Upper
83 100
85 64.7 52.3 78.5





#31

Cyclohexane

Concen: 20.889 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

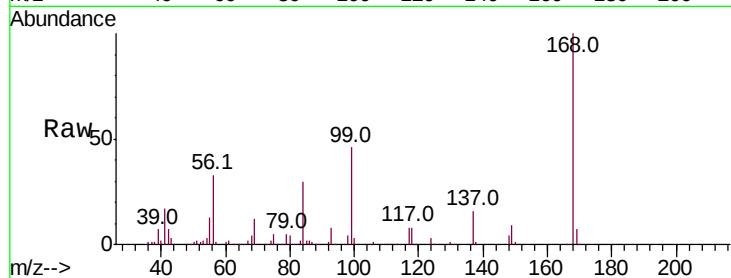
Tot Ion: 56 Resp: 115513

Ion Ratio Lower Upper

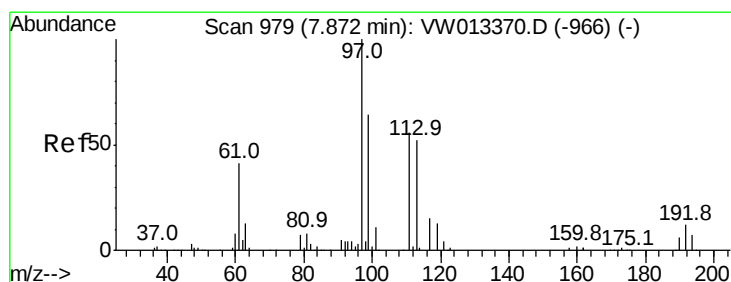
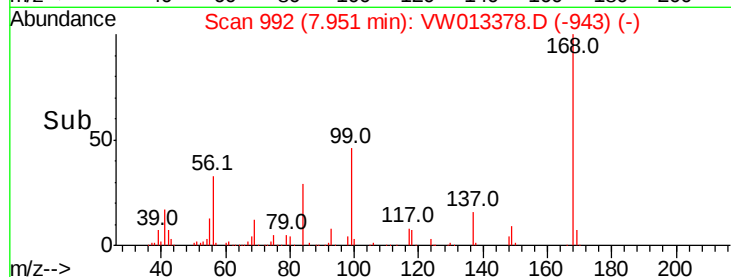
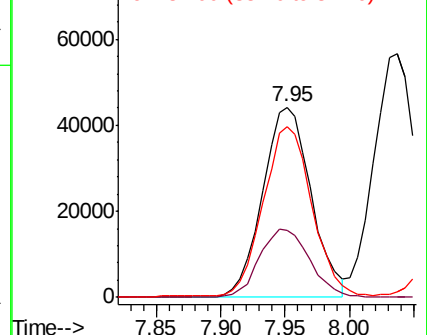
56 100

69 35.6 27.2 40.8

84 88.8 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 21.224 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

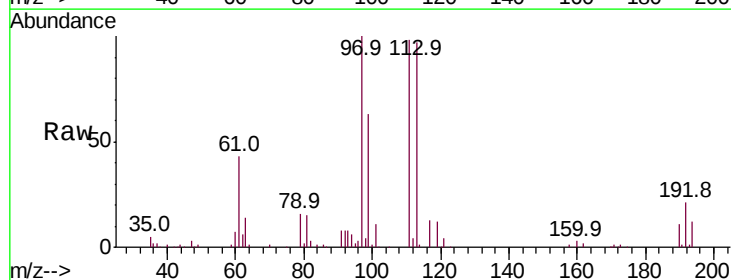
Tgt Ion: 97 Resp: 84542

Ion Ratio Lower Upper

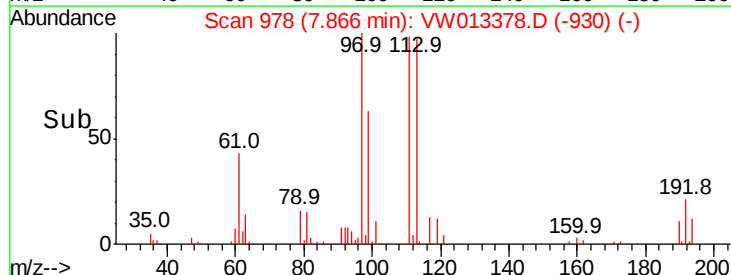
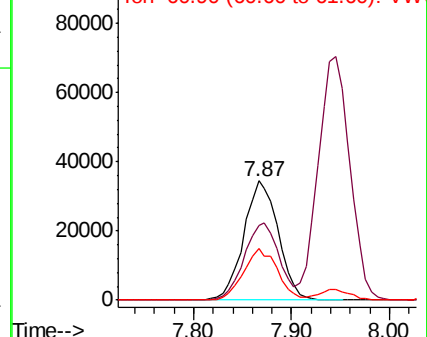
97 100

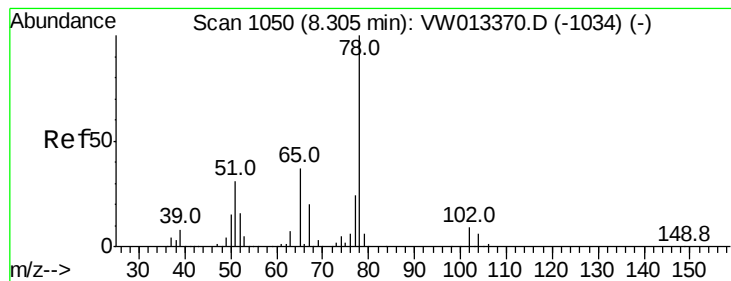
99 65.1 51.7 77.5

61 42.6 34.6 51.8



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





#33

1,2-Dichloroethane-d4

Concen: 56.067 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

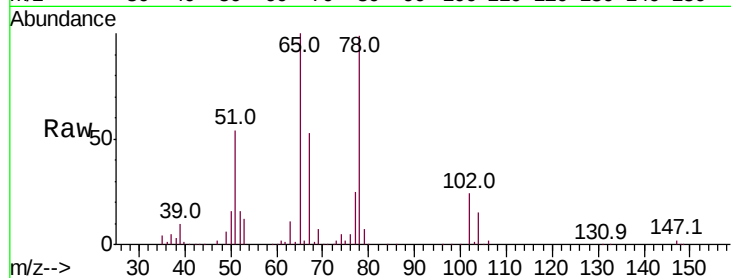
ClientSampleId :

Tot Ion: 65 Resp: 135518

Ion Ratio Lower Upper

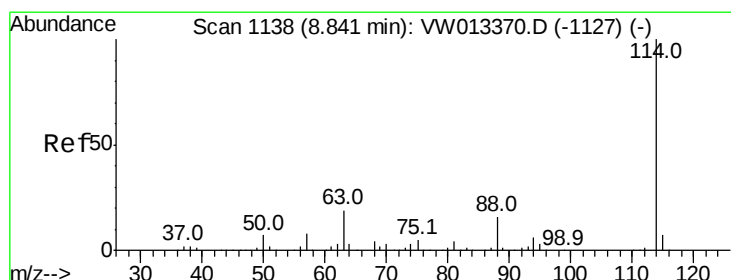
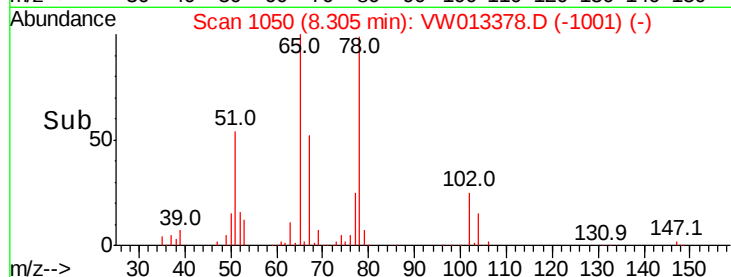
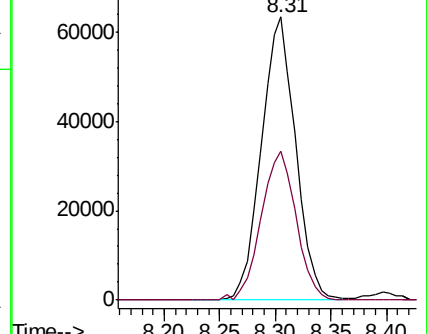
65 100

67 53.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

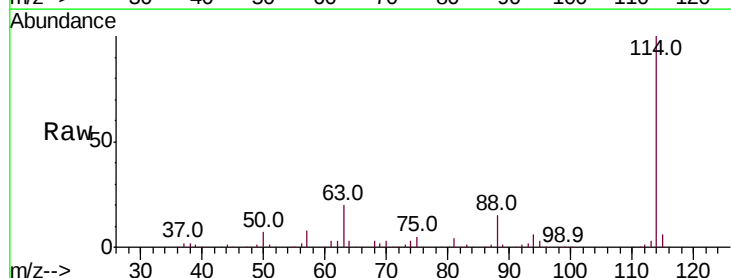
Tgt Ion: 114 Resp: 460970

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

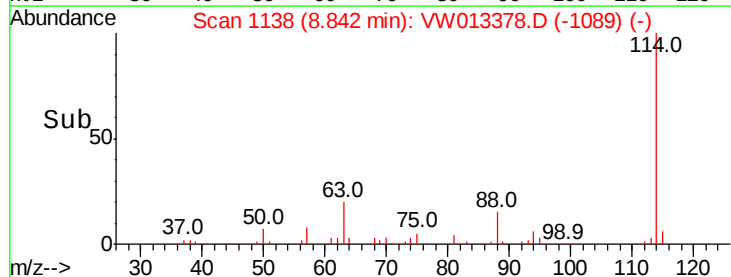
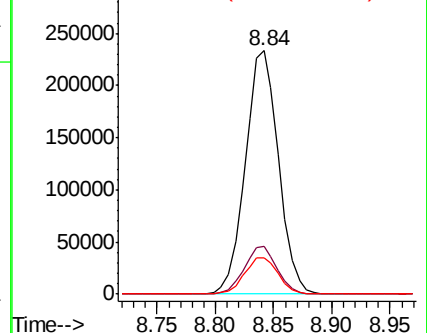
88 14.8 0.0 32.0

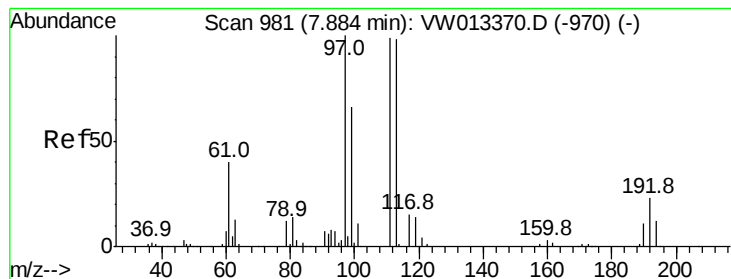


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 55.537 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

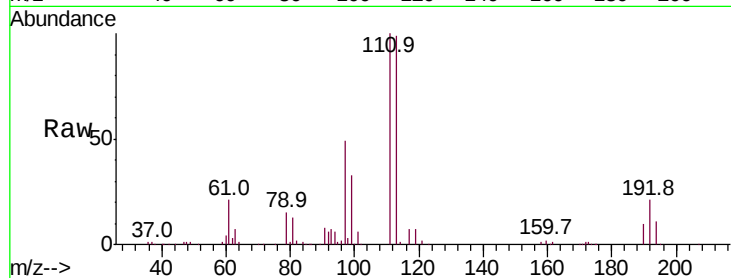
Tot Ion:113 Resp: 134333

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

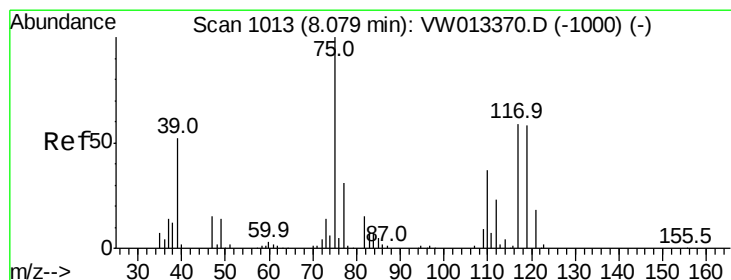
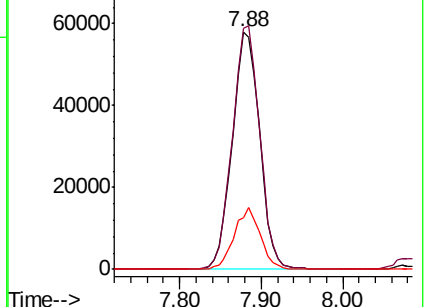
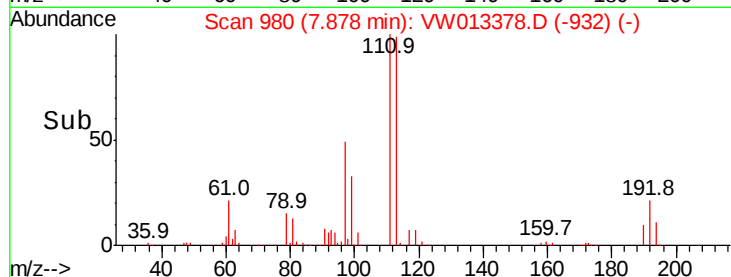
192 24.5 19.1 28.7



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: 21.206 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

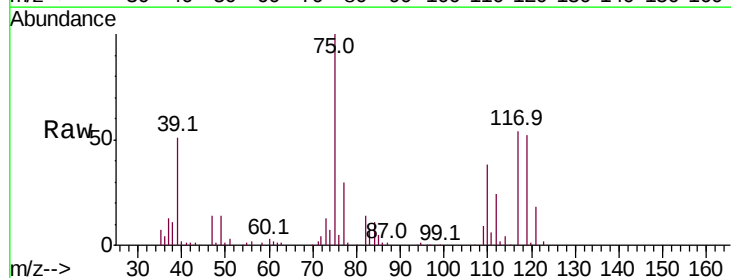
Tgt Ion: 75 Resp: 90793

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.3

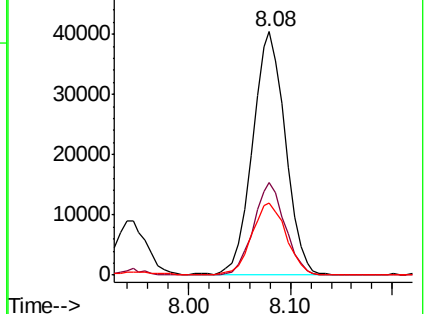
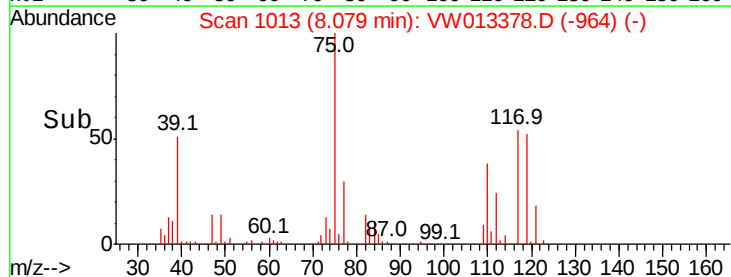
77 31.2 25.8 38.6

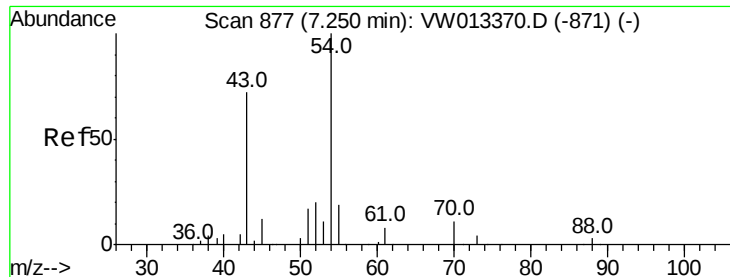


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

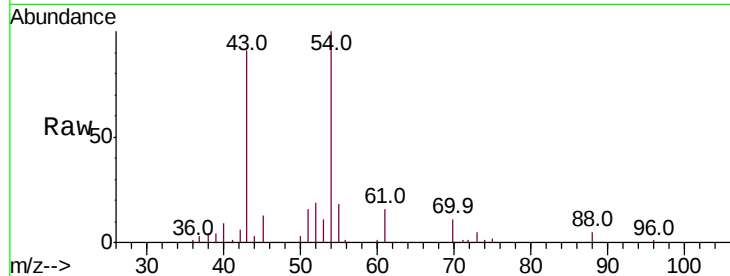




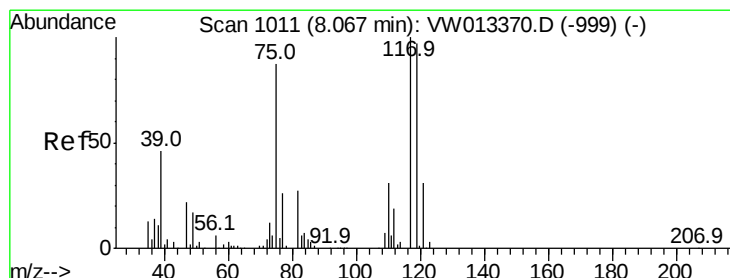
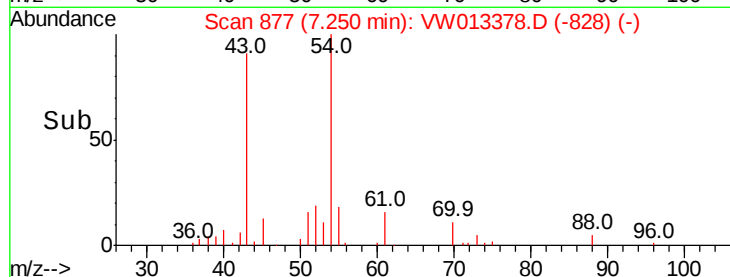
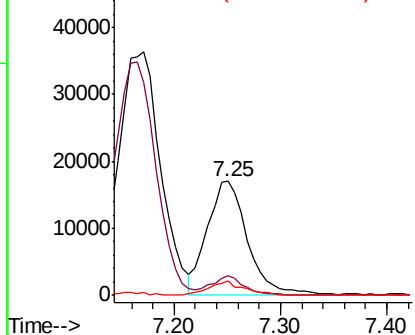
#37
Ethyl Acetate
Concen: 23.411 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 44087
Ion Ratio Lower Upper
43 100
61 14.3 10.9 16.3
70 10.5 8.2 12.2

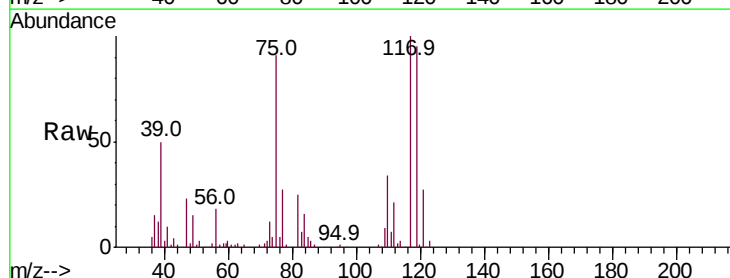


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

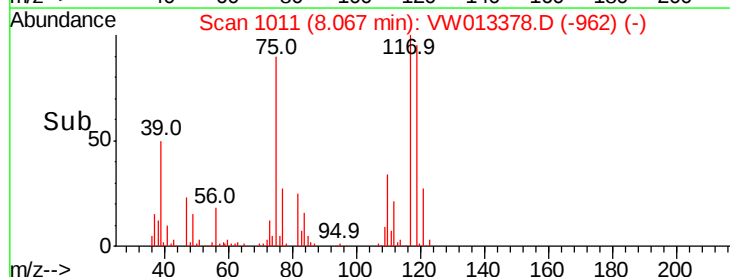
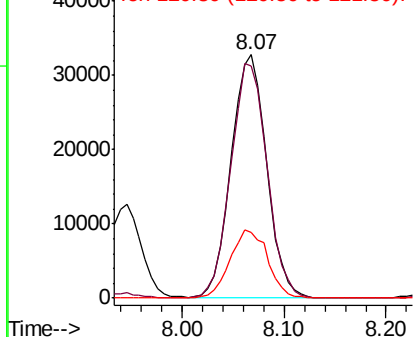


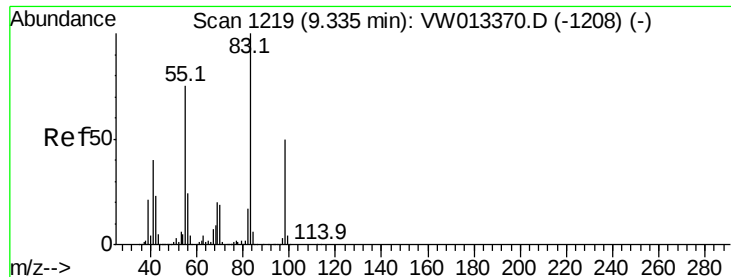
#38
Carbon Tetrachloride
Concen: 21.417 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 117 Resp: 79433
Ion Ratio Lower Upper
117 100
119 95.4 73.5 110.3
121 27.0 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

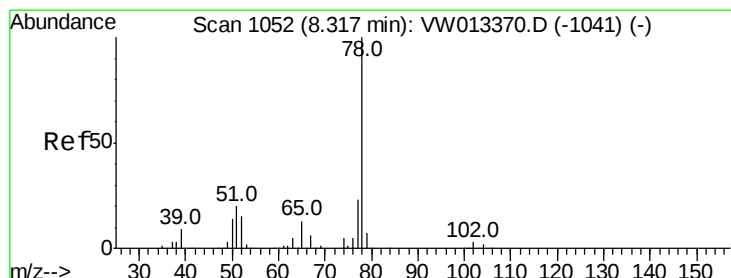
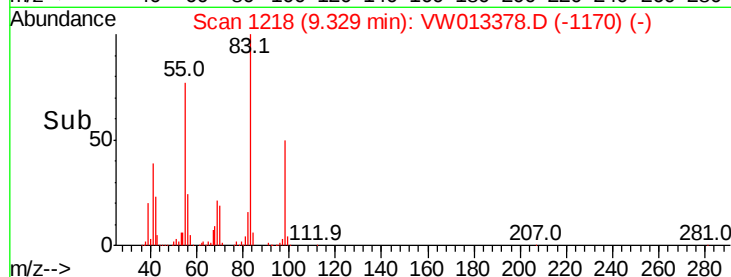
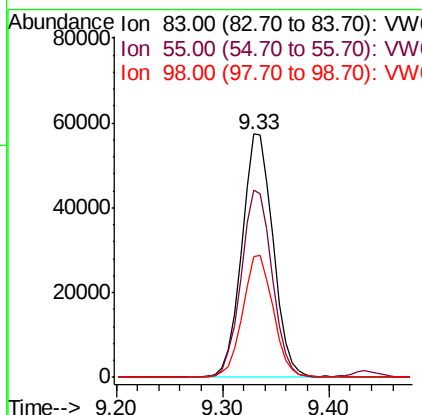
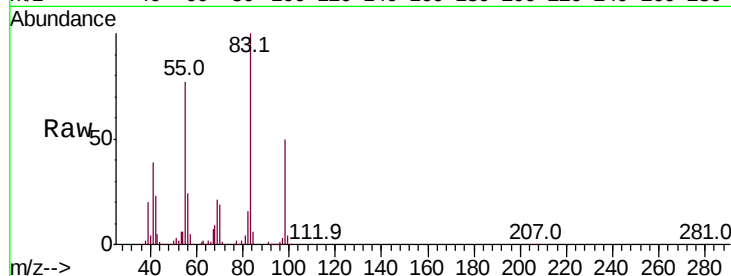




#39
Methylcyclohexane
Concen: 21.013 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

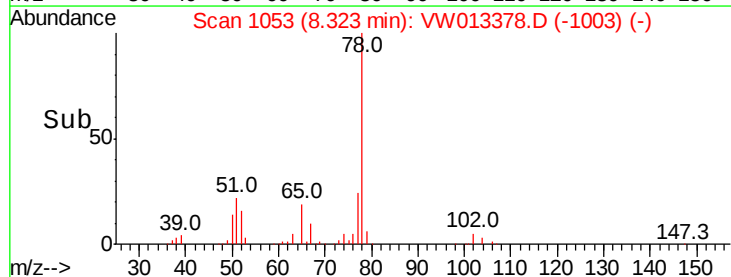
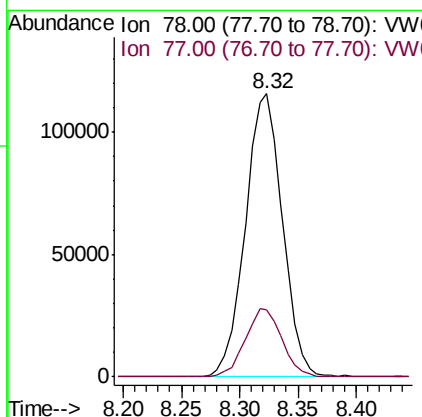
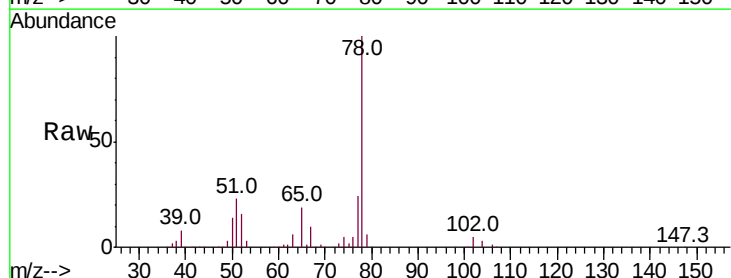
Instrument :
MSVOA_W
ClientSampleId :

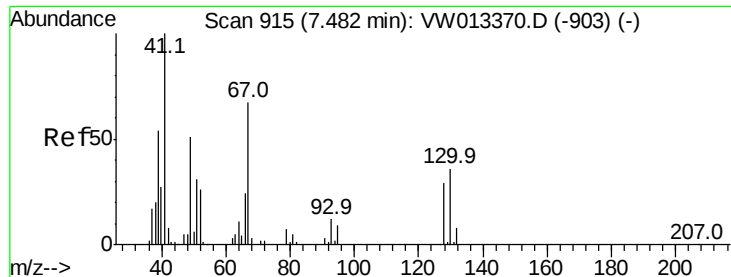
Tot Ion: 83 Resp: 118487
Ion Ratio Lower Upper
83 100
55 76.7 60.4 90.6
98 49.5 40.0 60.0



#40
Benzene
Concen: 21.195 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 78 Resp: 256885
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

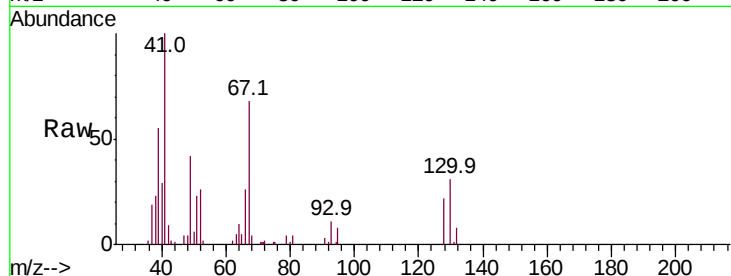




#41
Methacrylonitrile
Concen: 21.933 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	24989
Ion	Ratio	Lower	Upper
41	100		
39	53.9	45.9	68.9
67	70.5	54.5	81.7
52	28.7	22.5	33.7



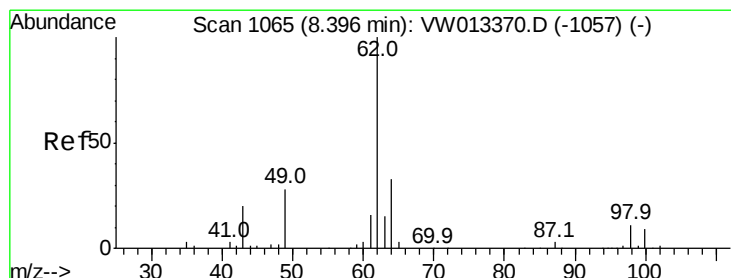
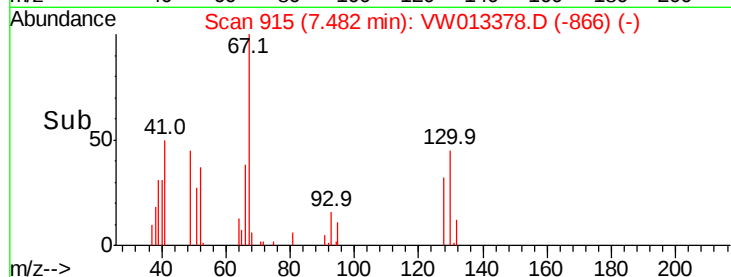
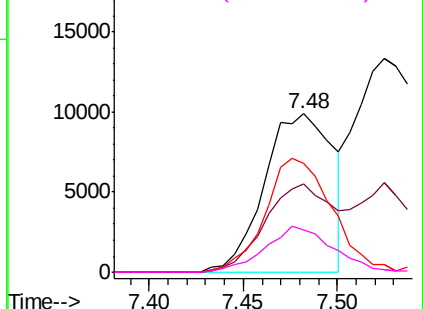
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

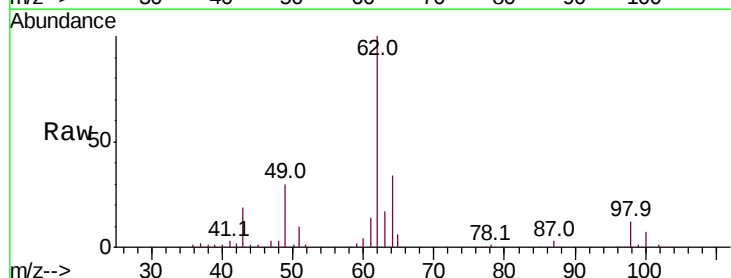
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.381 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

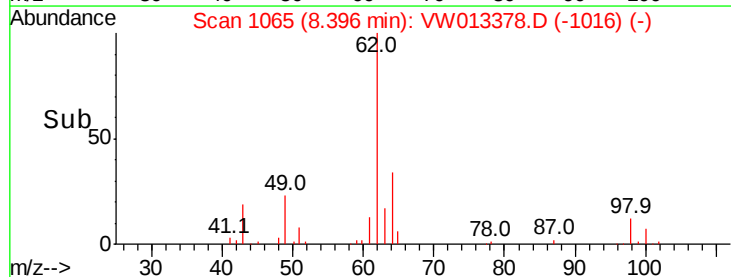
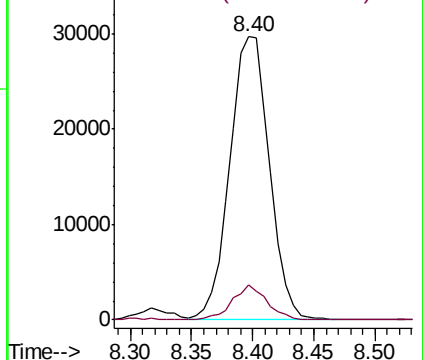
Tgt Ion:	62	Resp:	66602
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6

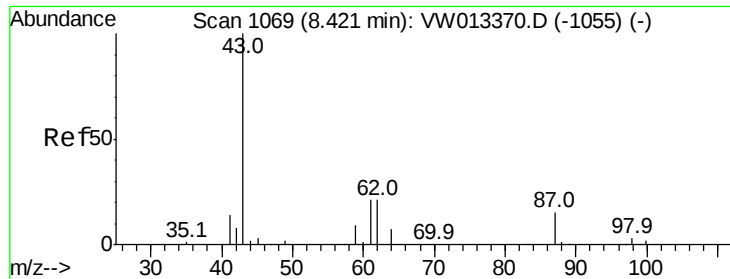


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.743 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

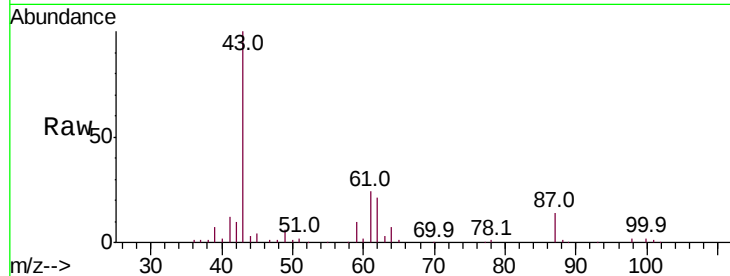
Tot Ion: 43 Resp: 77326

Ion Ratio Lower Upper

43 100

61 31.1 25.5 38.3

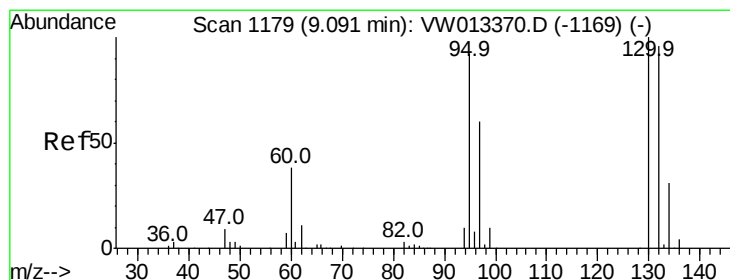
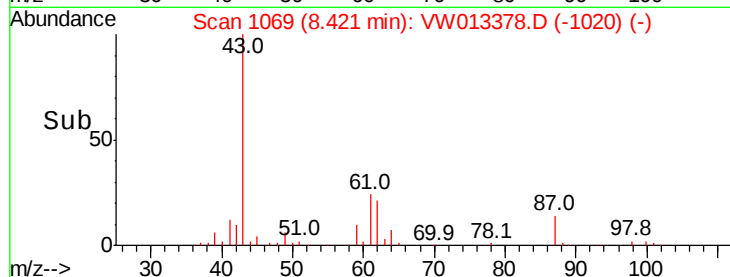
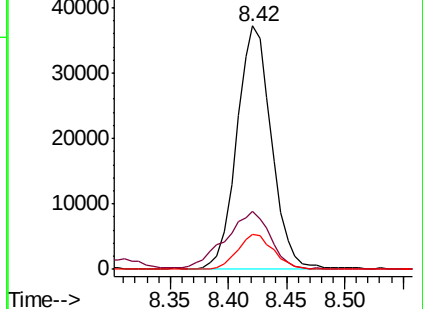
87 14.8 11.0 16.4



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: 20.759 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013378.D

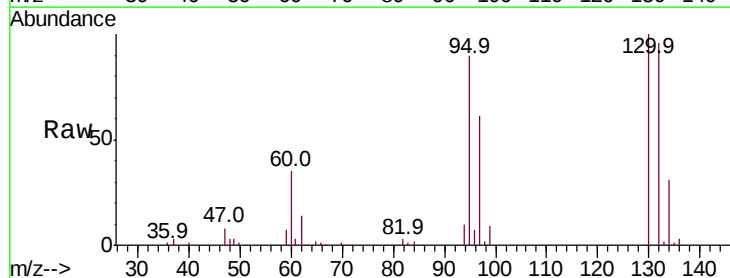
Acq: 02 Oct 2019 15:11

Tgt Ion: 130 Resp: 70850

Ion Ratio Lower Upper

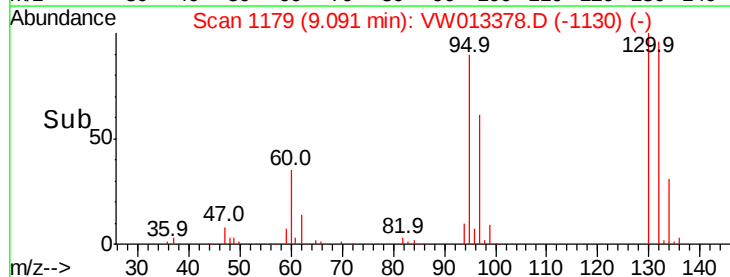
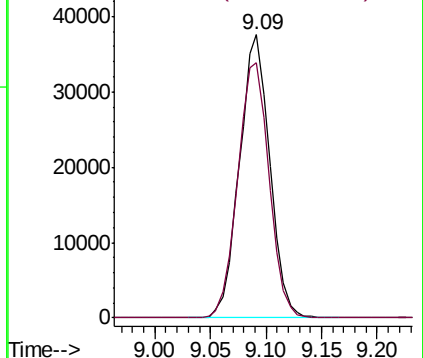
130 100

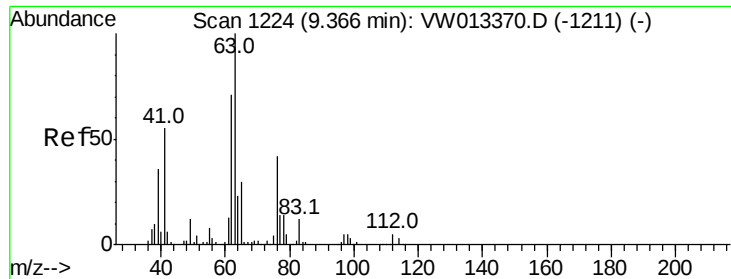
95 90.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.890 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

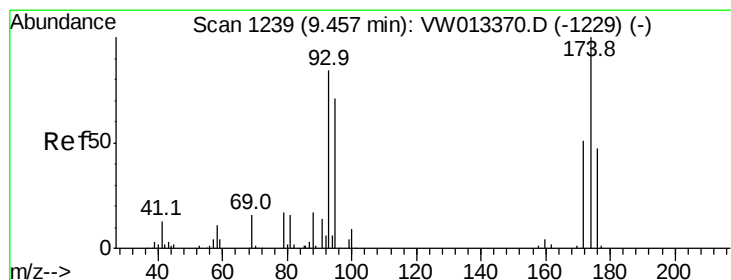
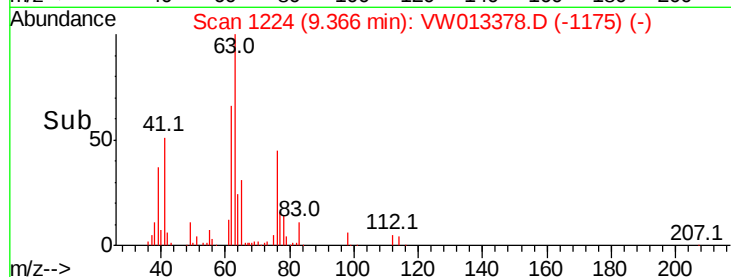
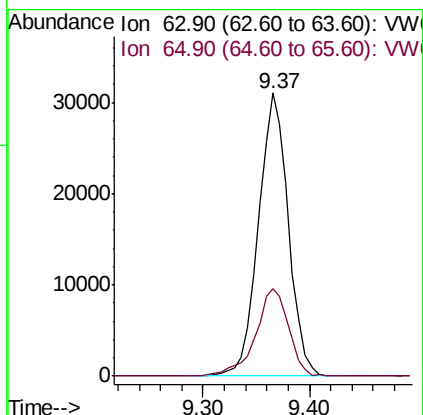
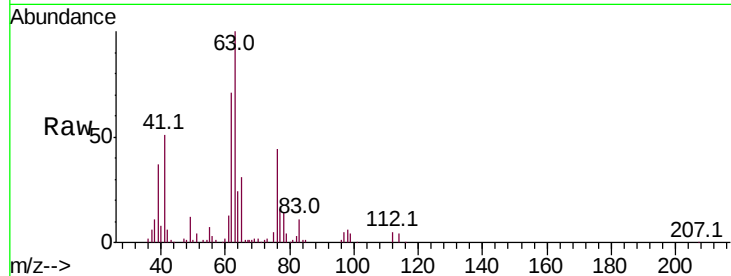
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 60789

Ion Ratio Lower Upper

63 100

65 31.0 25.3 37.9



#46

Dibromomethane

Concen: 21.229 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

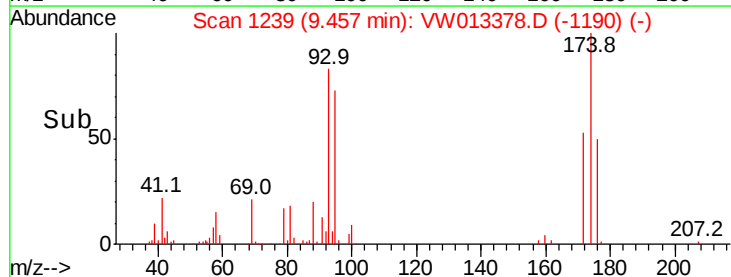
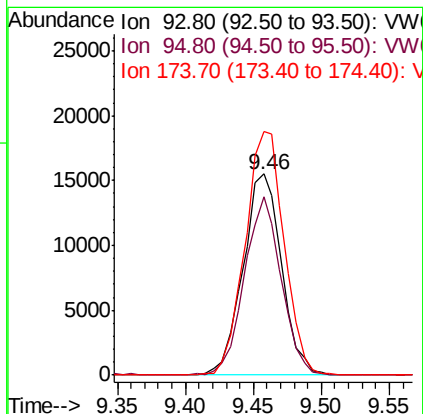
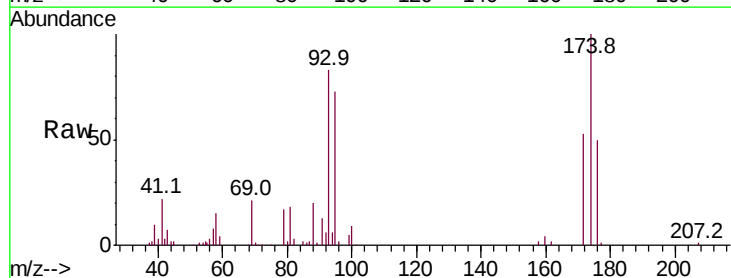
Tgt Ion: 93 Resp: 30771

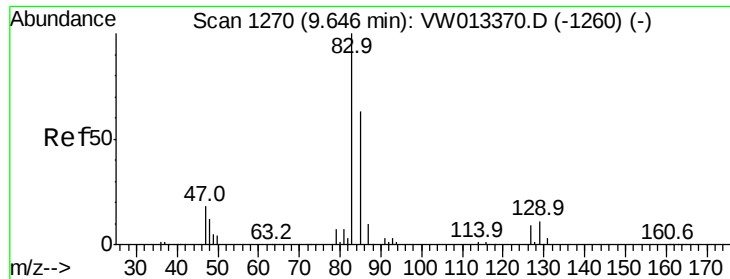
Ion Ratio Lower Upper

93 100

95 84.5 66.4 99.6

174 122.9 93.0 139.6





#47

Bromodichloromethane

Concen: 20.887 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampled :

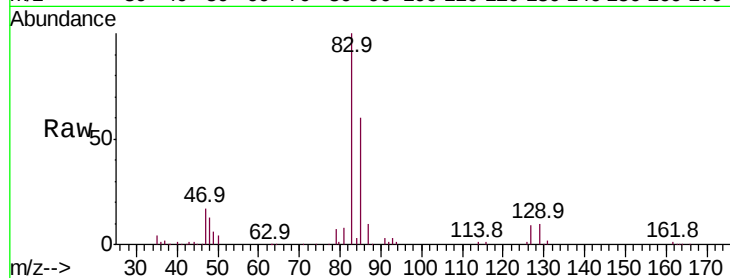
Tot Ion: 83 Resp: 74530

Ion Ratio Lower Upper

83 100

85 60.5 49.4 74.2

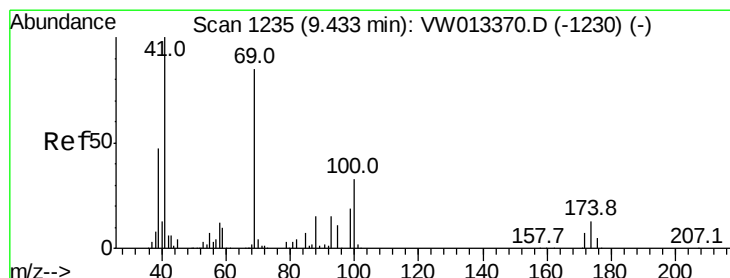
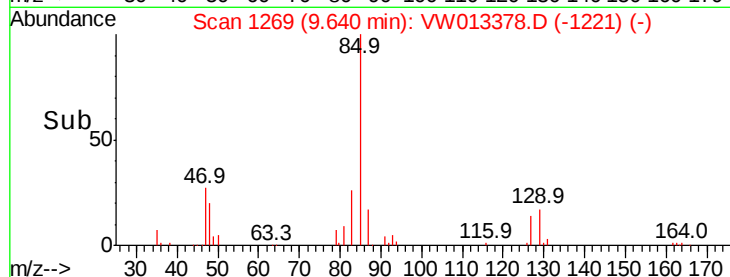
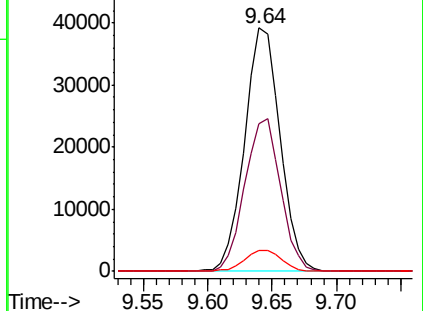
127 8.6 6.5 9.7



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: 23.648 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

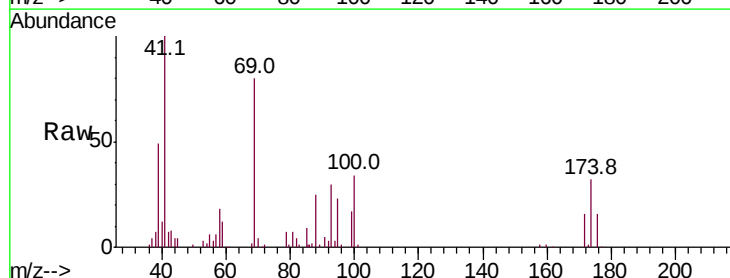
Tgt Ion: 41 Resp: 40411

Ion Ratio Lower Upper

41 100

69 83.1 69.7 104.5

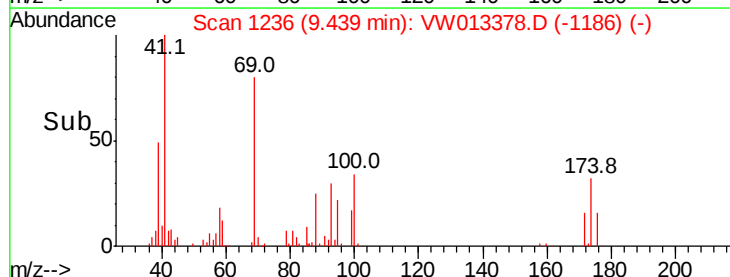
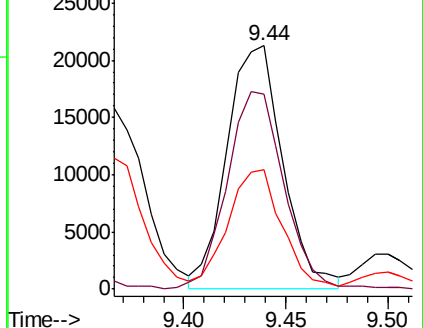
39 45.2 41.1 61.7

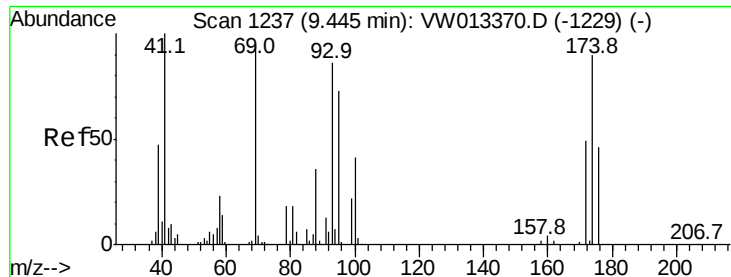


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

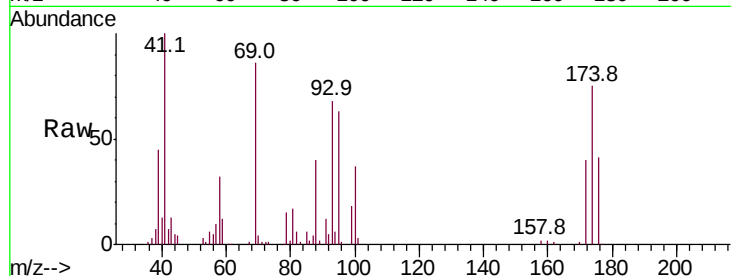




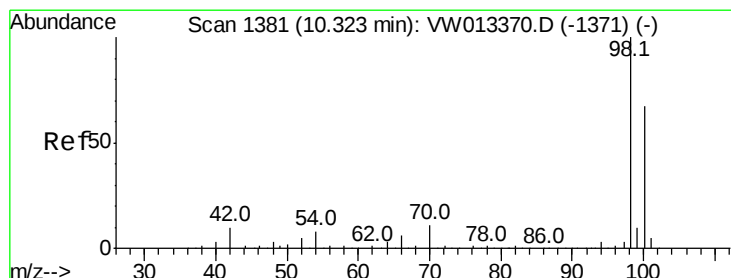
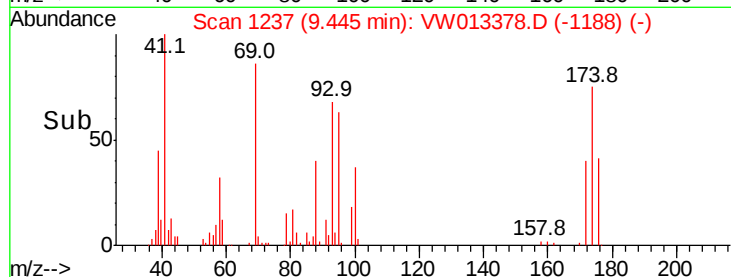
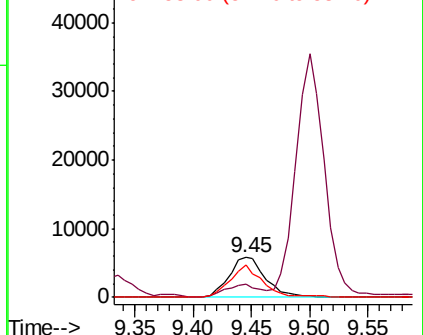
#49
1,4-Dioxane
Concen: 557.879 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 12676
Ion Ratio Lower Upper
88 100
43 27.6 0.0 0.0#
58 69.3 65.4 98.0

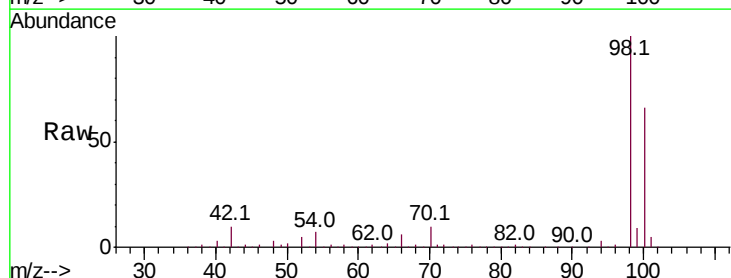


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

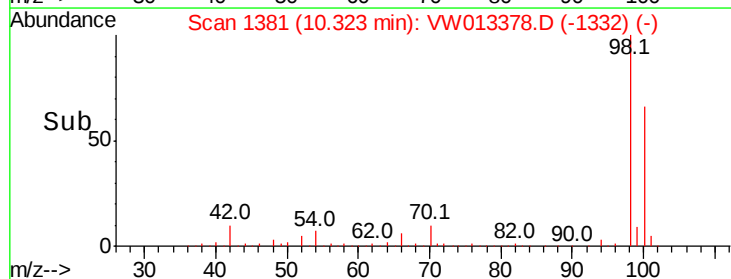
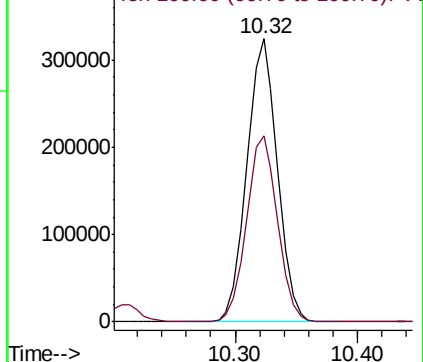


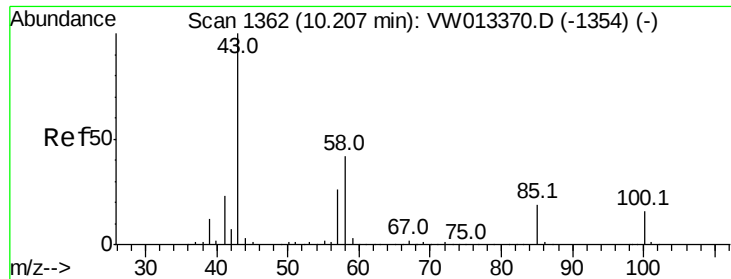
#50
Toluene-d8
Concen: 56.028 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 98 Resp: 562391
Ion Ratio Lower Upper
98 100
100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

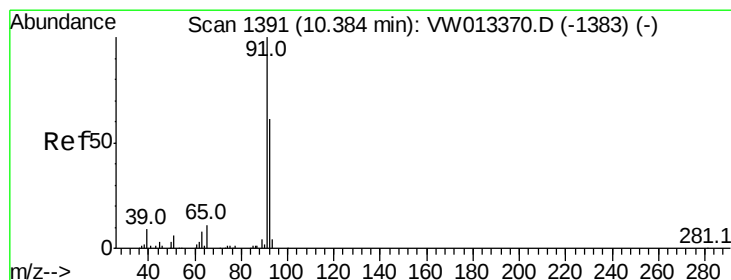
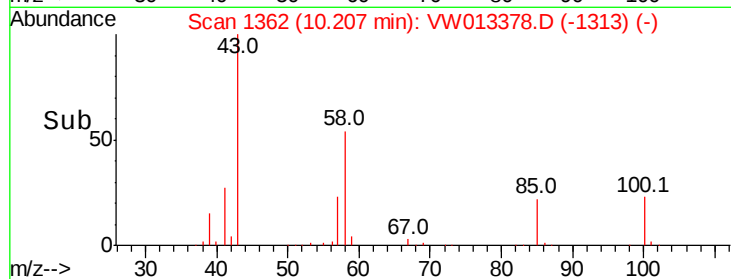
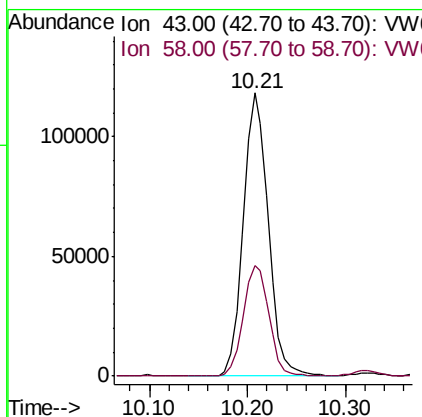
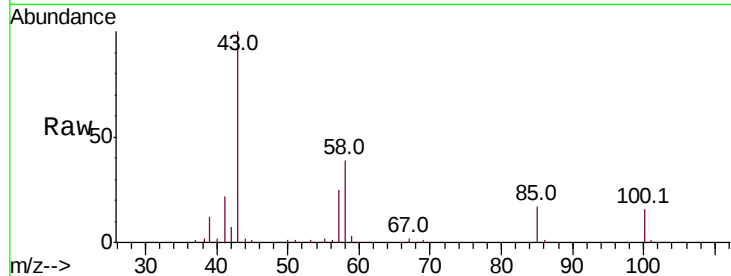




#51
4-Methyl-2-Pentanone
Concen: 111.305 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

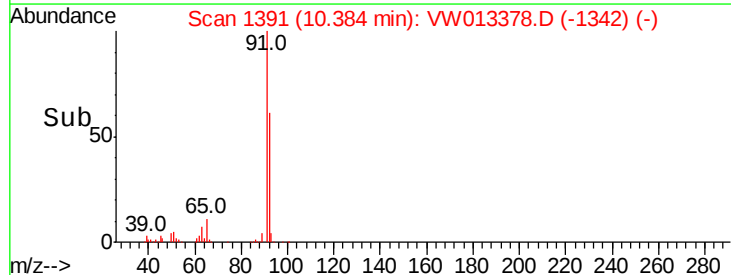
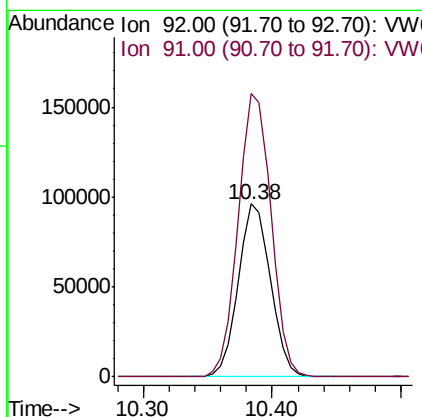
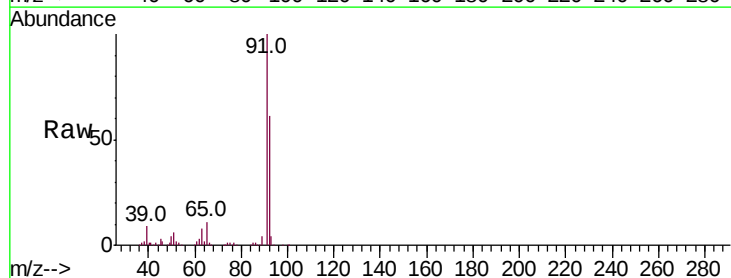
Instrument :
MSVOA_W
ClientSampled :

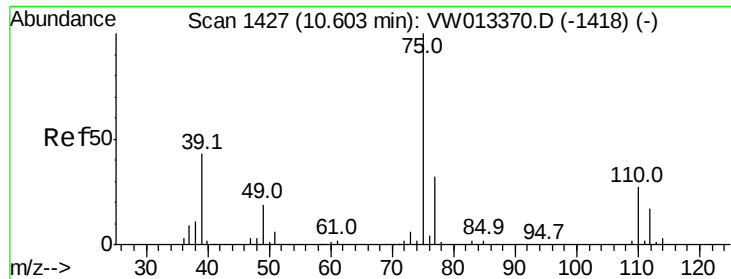
Tot Ion: 43 Resp: 207977
Ion Ratio Lower Upper
43 100
58 40.3 31.7 47.5



#52
Toluene
Concen: 21.310 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 92 Resp: 166588
Ion Ratio Lower Upper
92 100
91 167.5 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 21.173 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

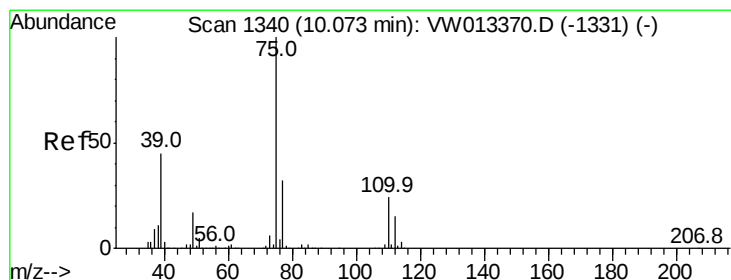
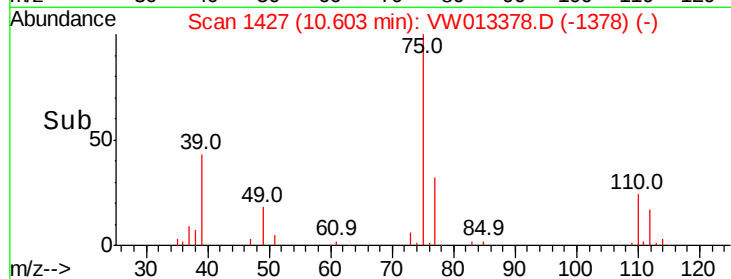
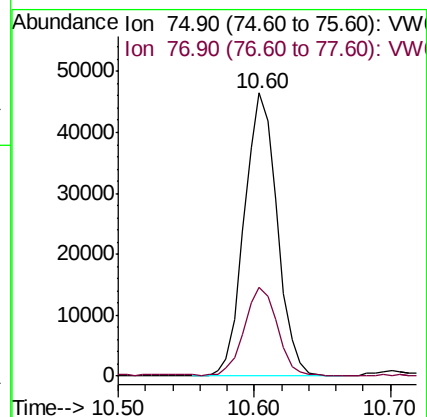
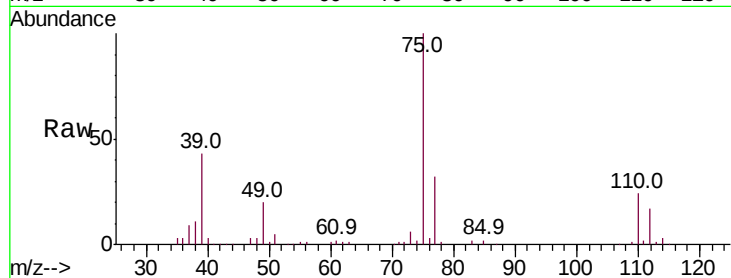
ClientSampled :

Tot Ion: 75 Resp: 78583

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.908 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

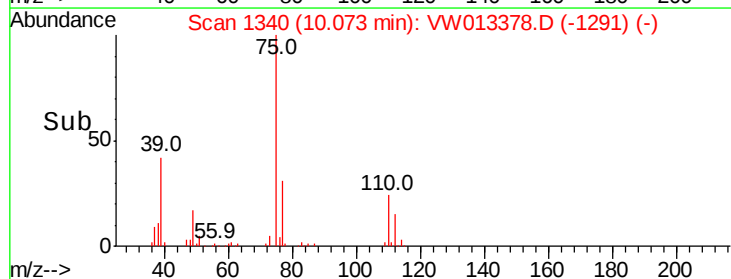
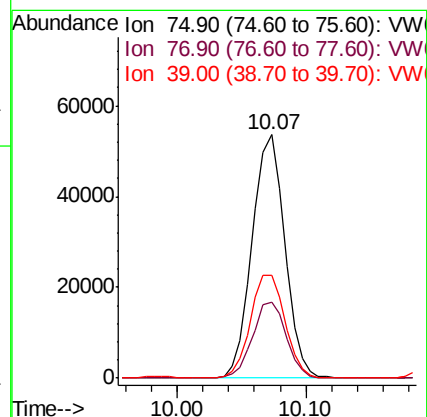
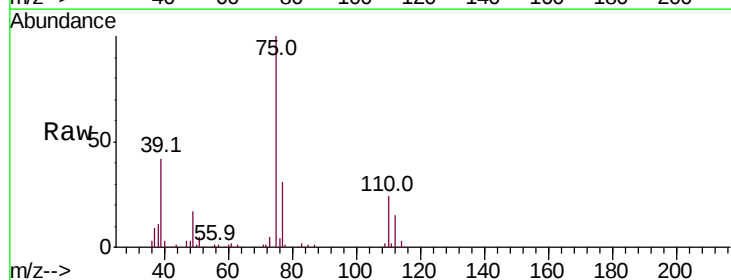
Tgt Ion: 75 Resp: 94084

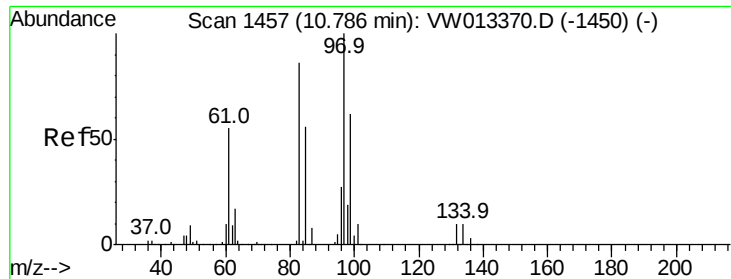
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 42.1 36.6 55.0

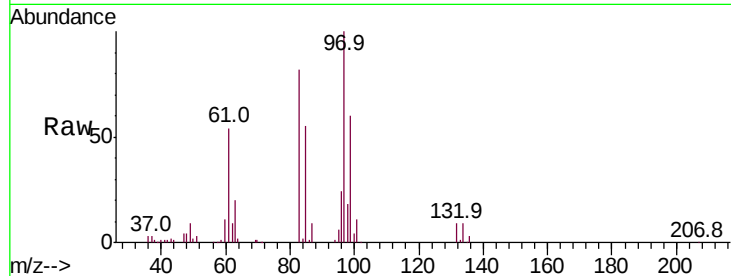




#55
 1,1,2-Trichloroethane
 Concen: 21.683 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	46884
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.6	101.4
85	54.9	41.9	62.9
99	59.5	50.1	75.1



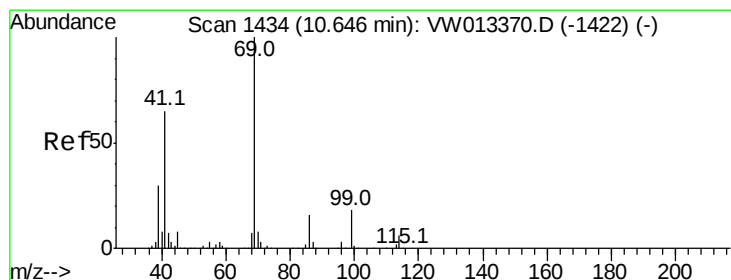
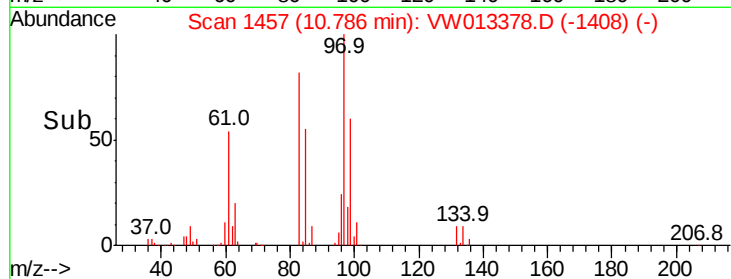
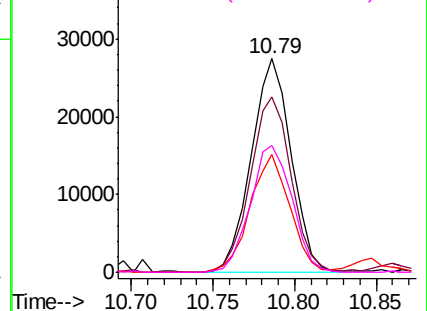
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

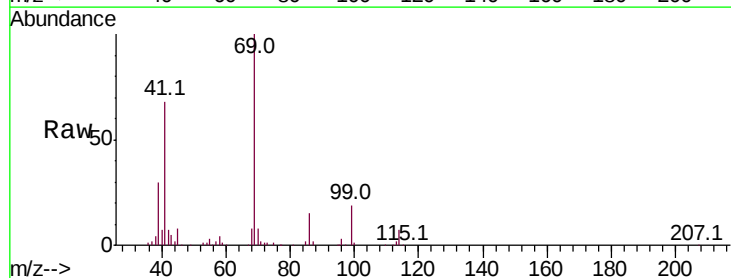
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.611 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion:	69	Resp:	62896
Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.9	80.9
39	28.9	23.8	35.6

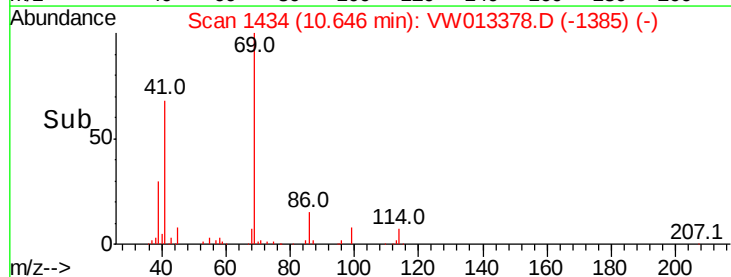
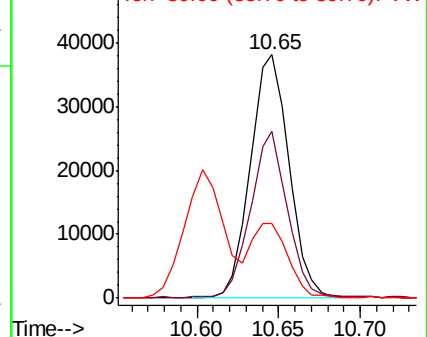


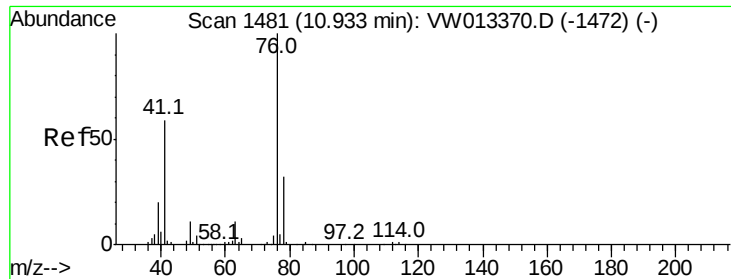
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.500 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

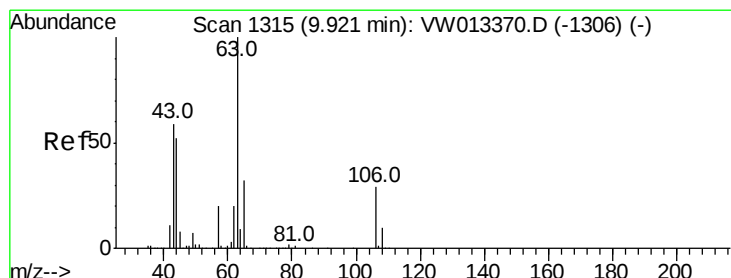
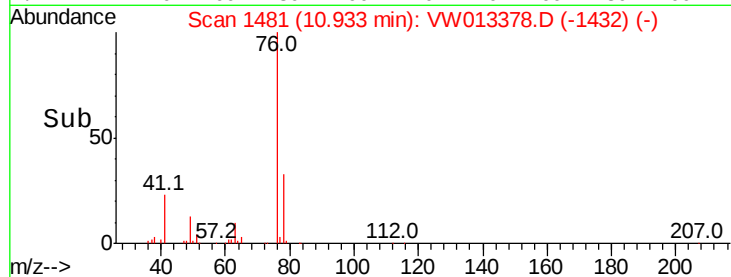
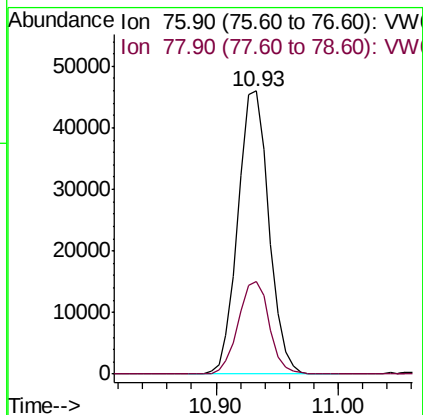
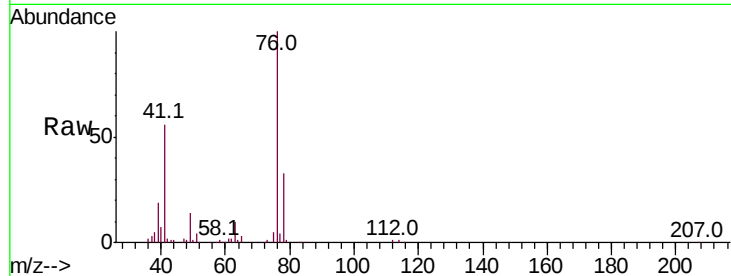
ClientSampled :

Tot Ion: 76 Resp: 80817

Ion Ratio Lower Upper

76 100

78 32.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 122.087 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013378.D

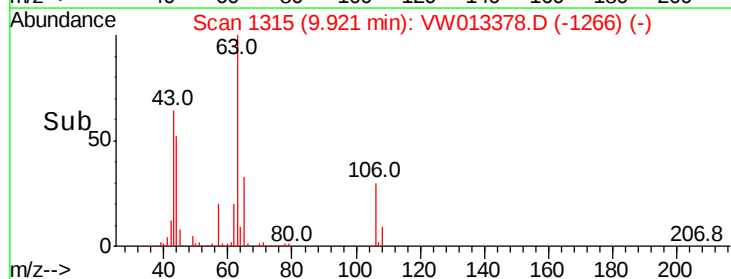
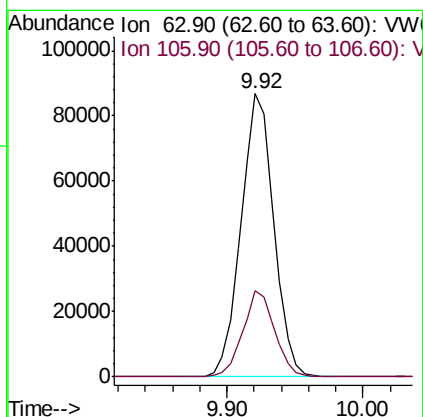
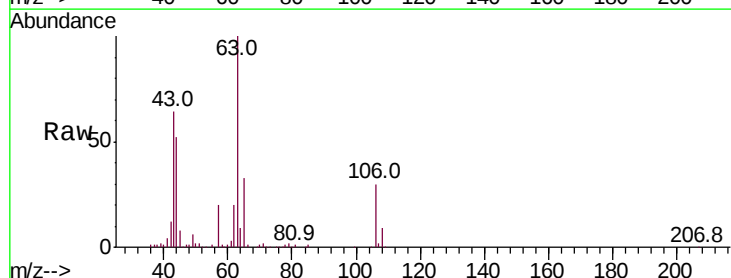
Acq: 02 Oct 2019 15:11

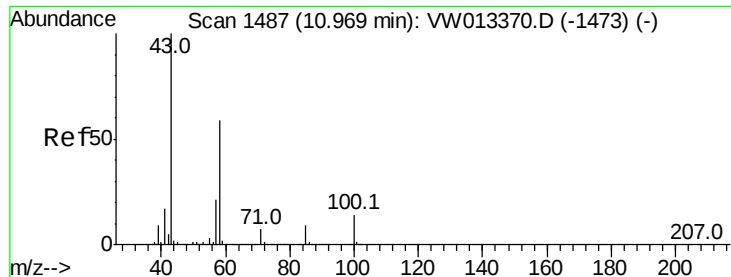
Tgt Ion: 63 Resp: 145957

Ion Ratio Lower Upper

63 100

106 29.7 23.4 35.0

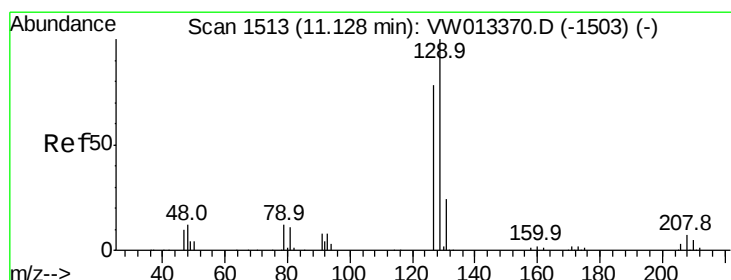
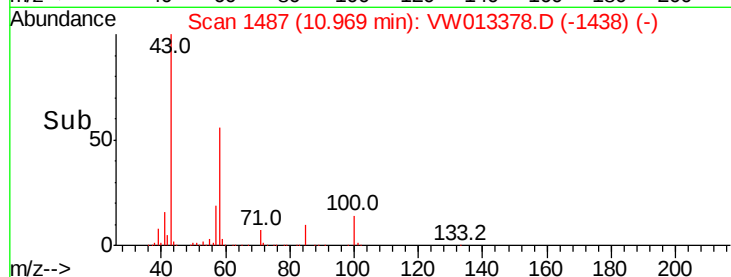
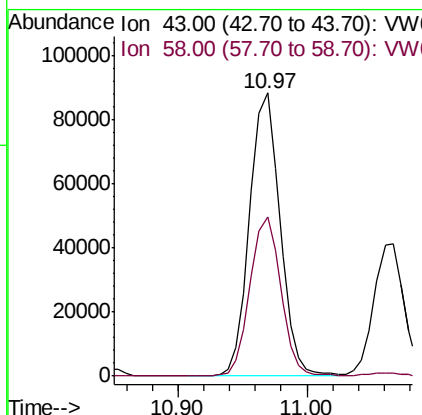
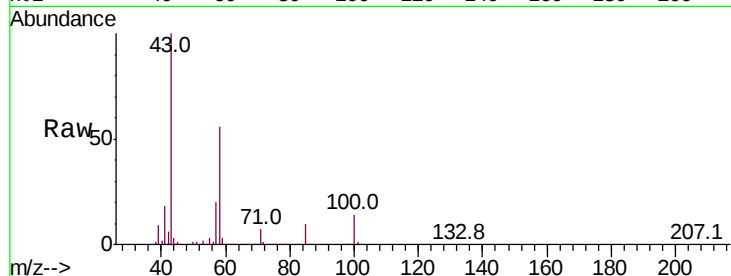




#59
2-Hexanone
Concen: 111.616 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

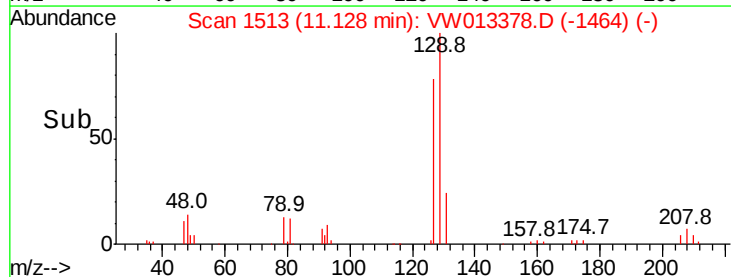
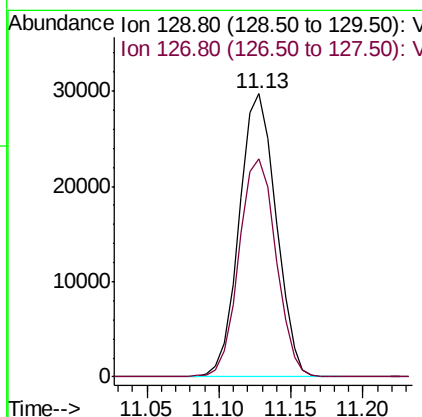
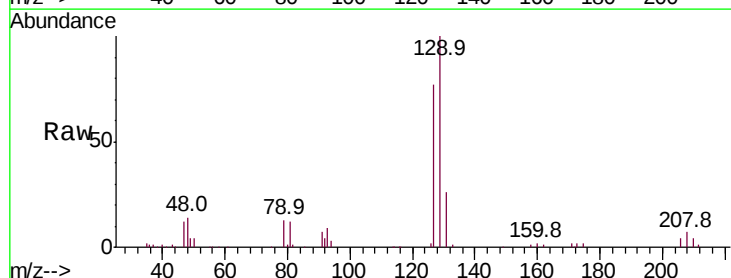
Instrument :
MSVOA_W
ClientSampleId :

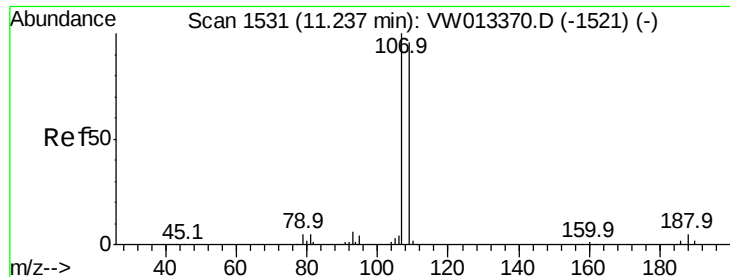
Tot Ion: 43 Resp: 144558
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.2



#60
Dibromochloromethane
Concen: 21.356 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 129 Resp: 52828
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 22.202 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

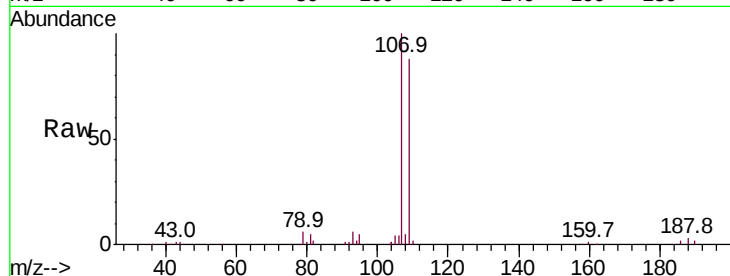
ClientSampleId :

Tot Ion:107 Resp: 46388

Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

30000

25000

20000

15000

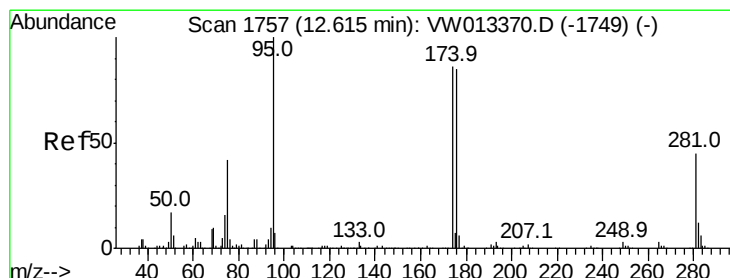
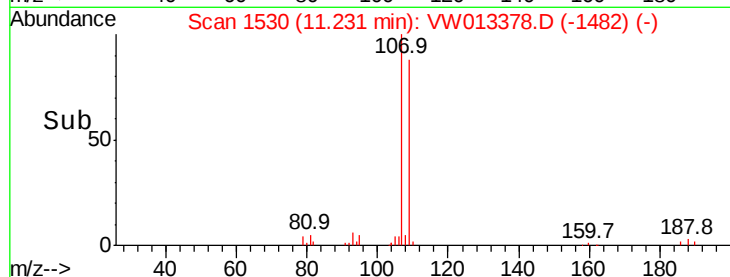
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 57.894 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

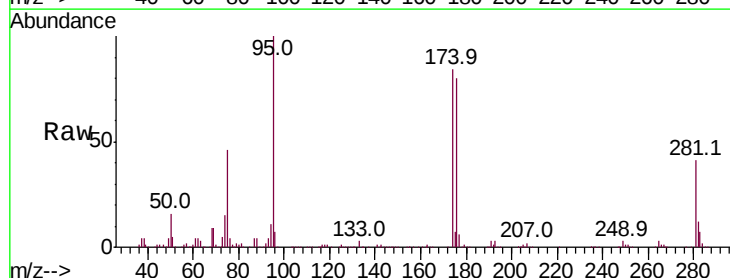
Tgt Ion: 95 Resp: 194059

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.4

176 87.2 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

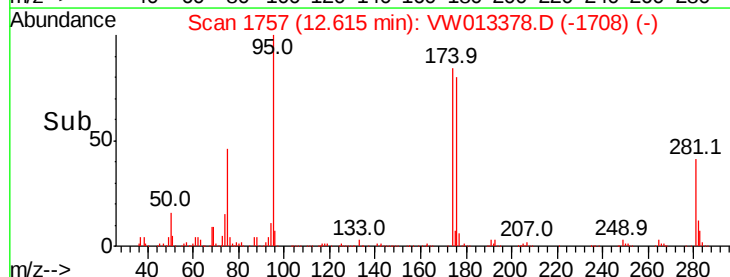
100000

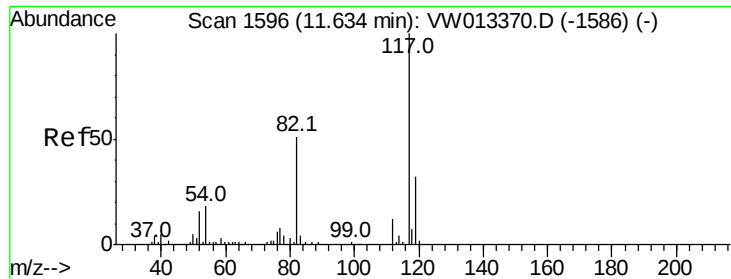
50000

0

Time-->

12.60 12.70

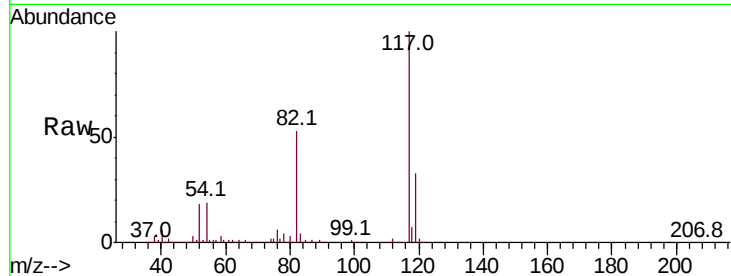




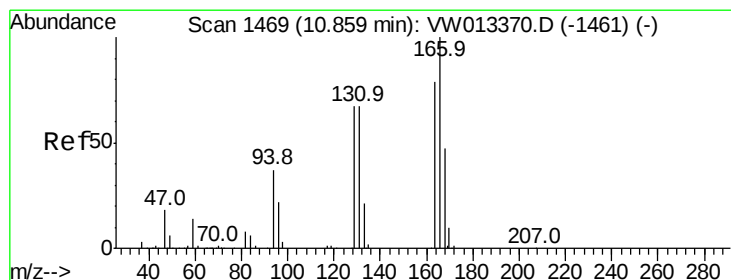
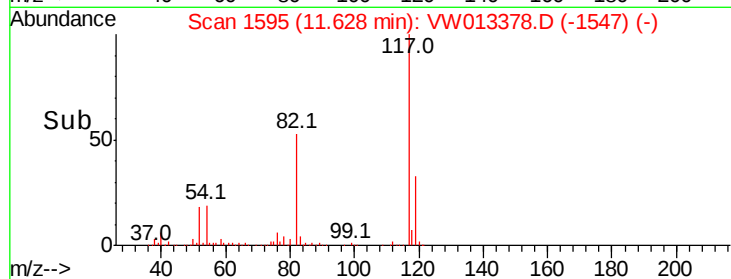
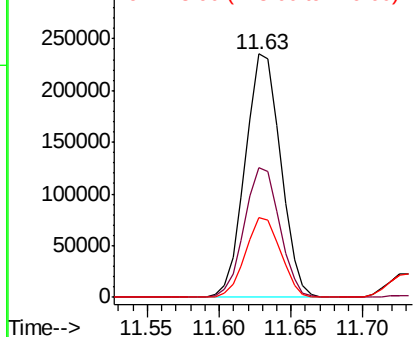
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 401675
Ion Ratio Lower Upper
117 100
82 53.2 45.9 68.9
119 32.7 26.2 39.2

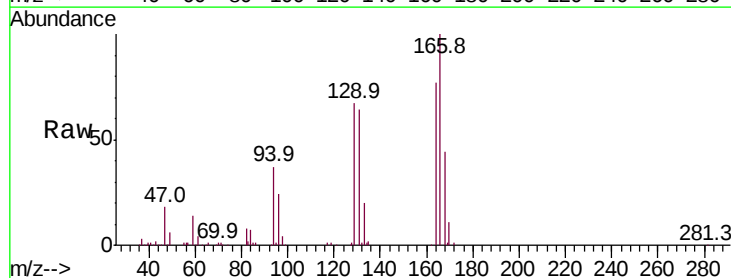


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

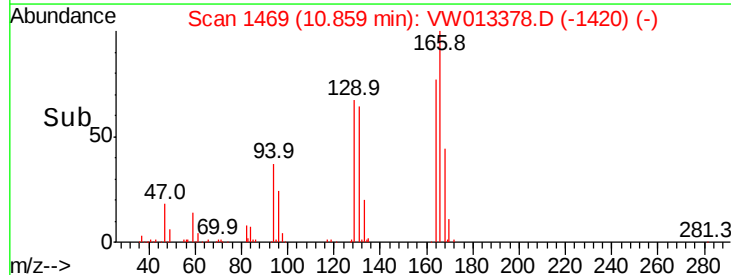
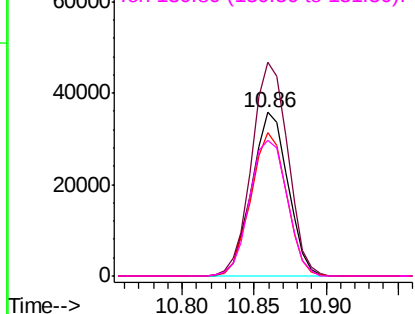


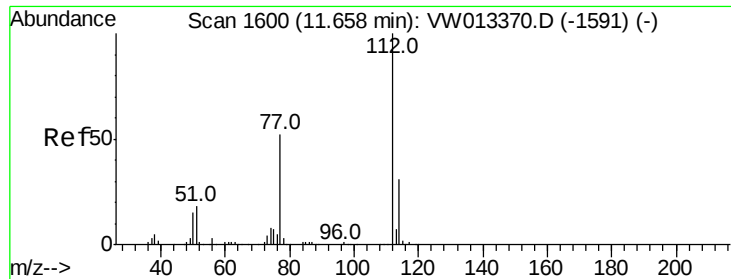
#64
Tetrachloroethene
Concen: 20.312 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion:164 Resp: 62073
Ion Ratio Lower Upper
164 100
166 130.5 101.2 151.8
129 87.5 68.8 103.2
131 83.0 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

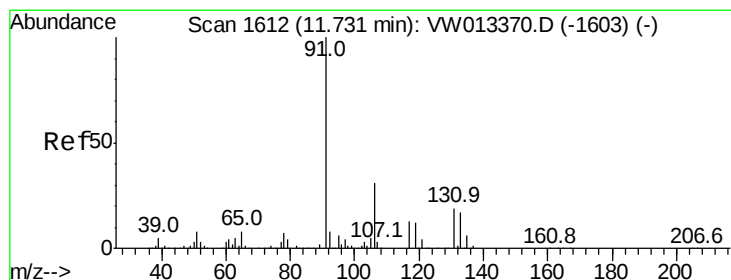
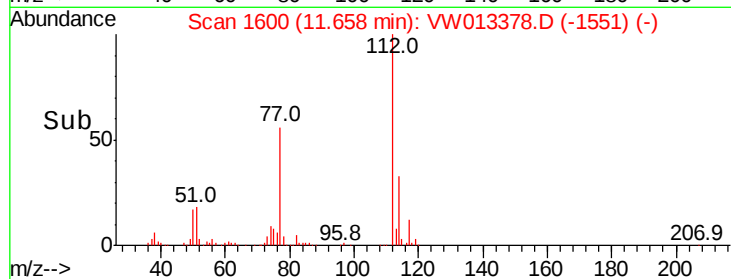
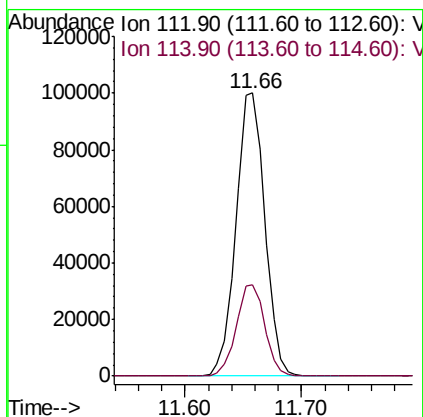
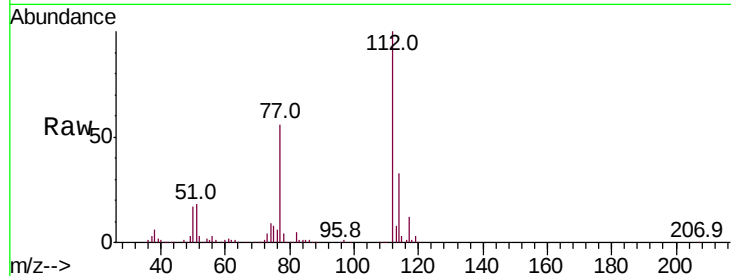




#65
Chlorobenzene
Concen: 21.032 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

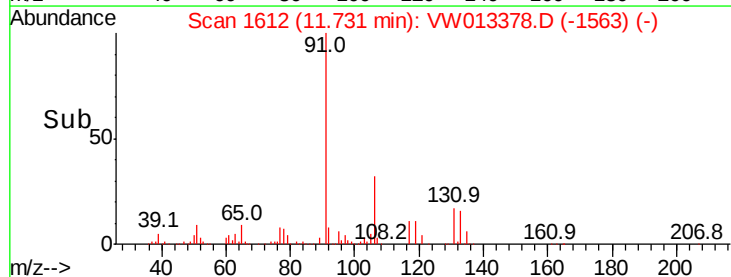
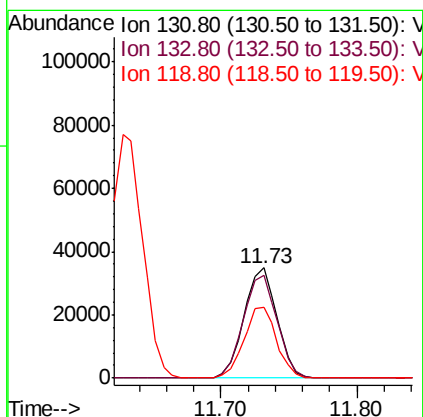
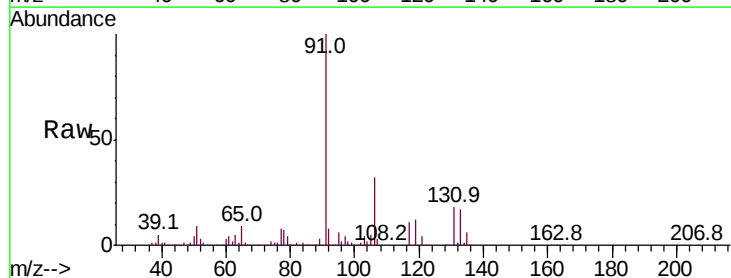
Instrument :
MSVOA_W
ClientSampleId :

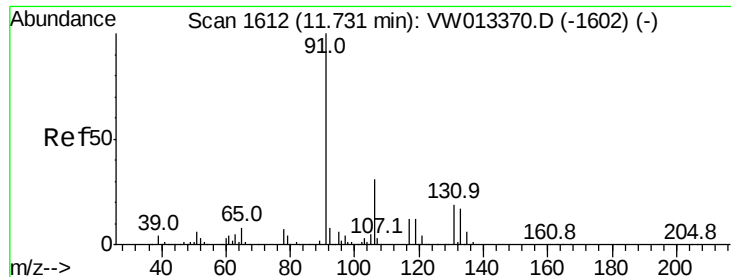
Tot Ion:112 Resp: 173074
Ion Ratio Lower Upper
112 100
114 32.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.111 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion:131 Resp: 59171
Ion Ratio Lower Upper
131 100
133 96.1 47.5 142.6
119 64.1 32.5 97.5

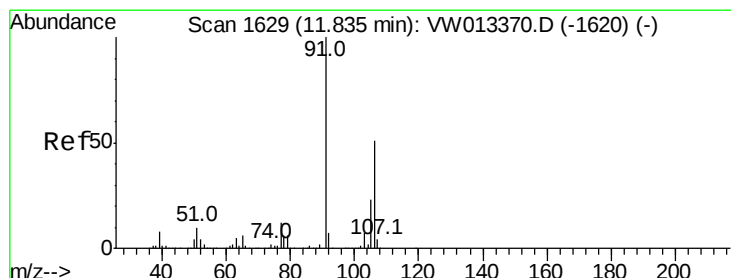
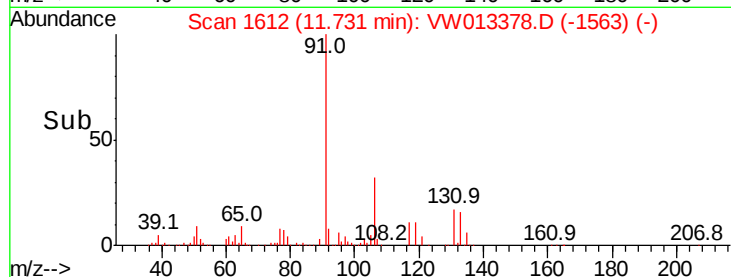
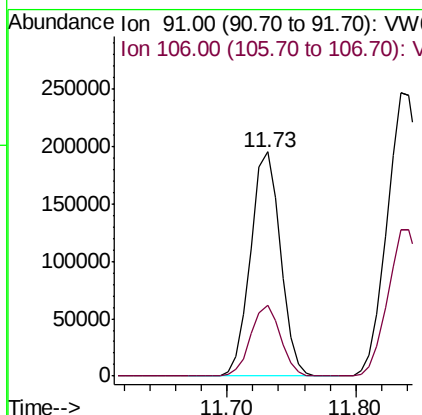
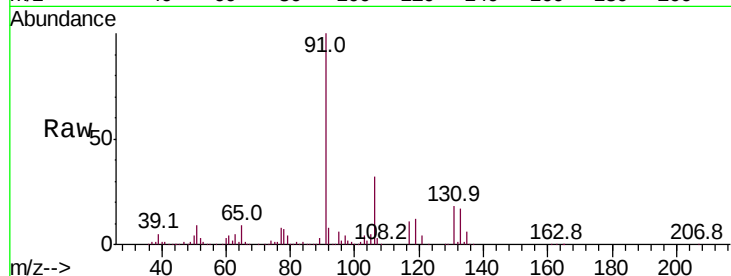




#67
Ethyl Benzene
Concen: 21.209 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

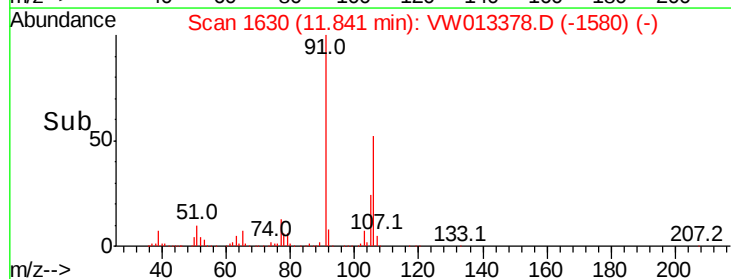
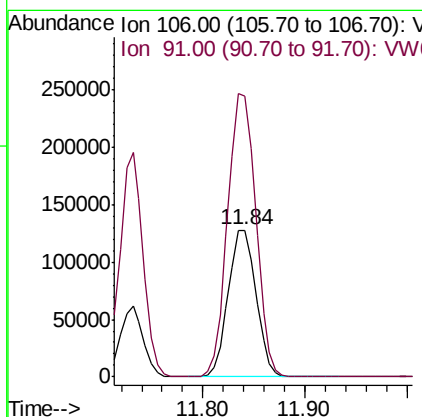
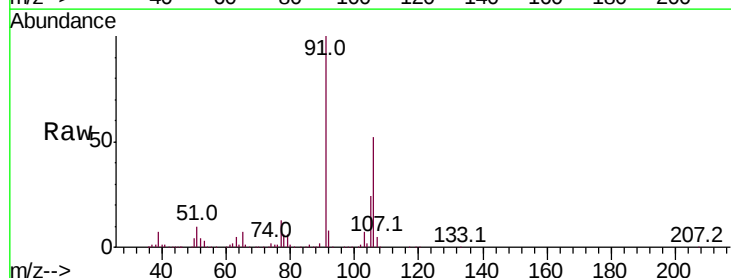
Instrument :
MSVOA_W
ClientSampled :

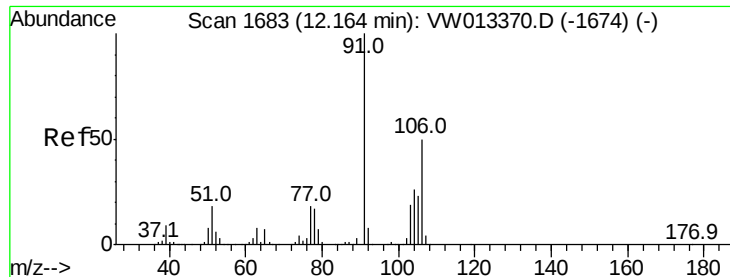
Tot Ion: 91 Resp: 312809
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3



#68
m/p-Xylenes
Concen: 42.442 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 106 Resp: 241615
Ion Ratio Lower Upper
106 100
91 195.5 157.9 236.9

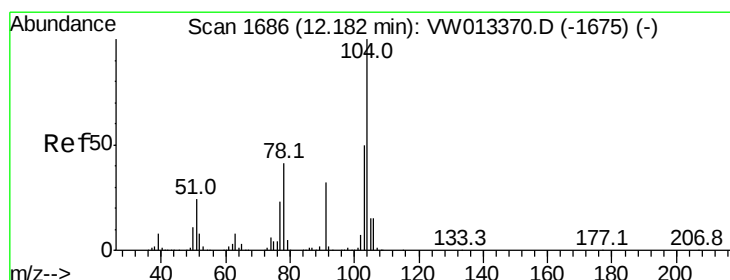
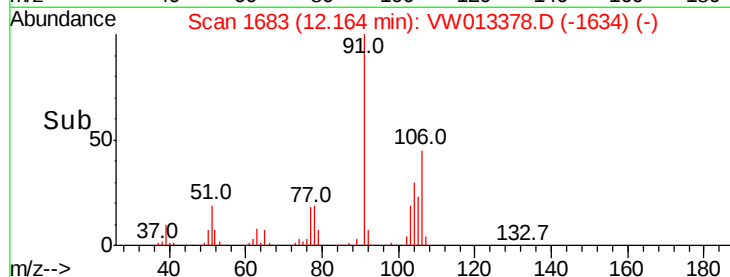
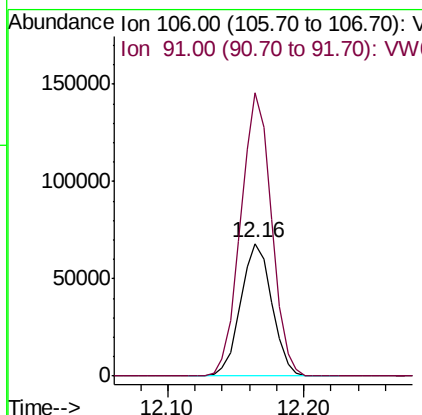
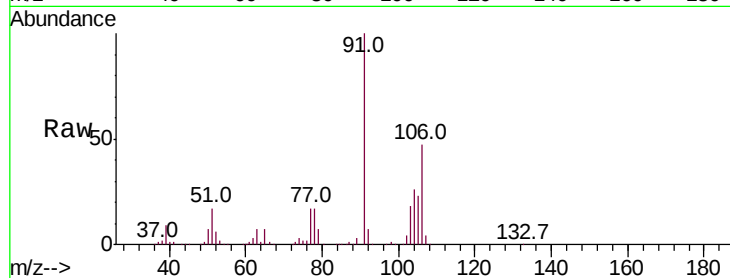




#69
o-Xylene
Concen: 20.840 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

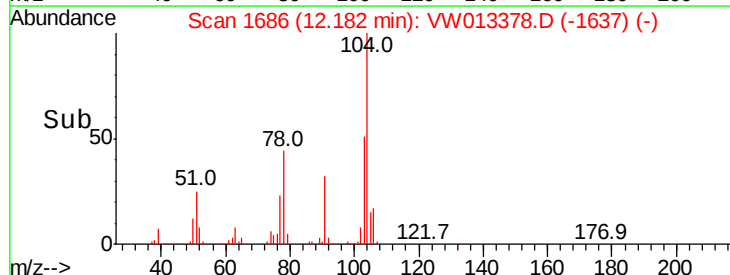
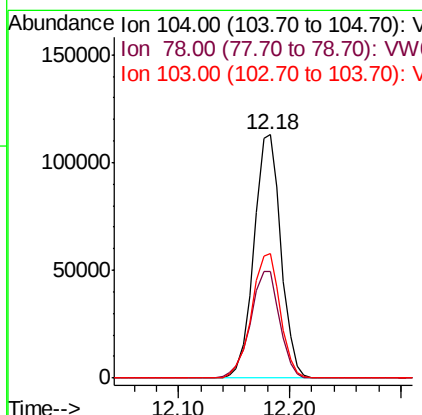
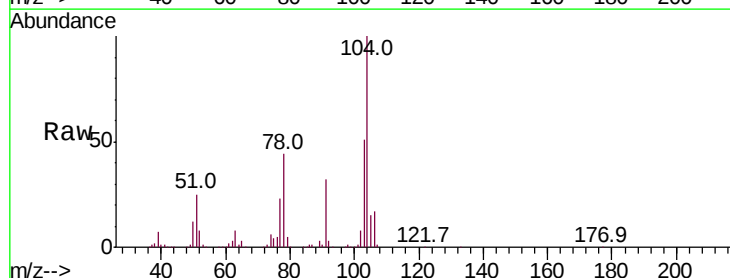
Instrument :
MSVOA_W
ClientSampleId :

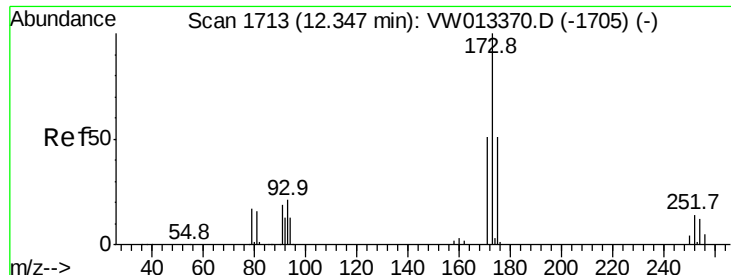
Tot Ion:106 Resp: 109691
Ion Ratio Lower Upper
106 100
91 210.6 106.5 319.5



#70
Styrene
Concen: 21.196 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion:104 Resp: 190711
Ion Ratio Lower Upper
104 100
78 47.6 38.4 57.6
103 54.4 43.3 64.9





#71

Bromoform

Concen: 22.196 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampled :

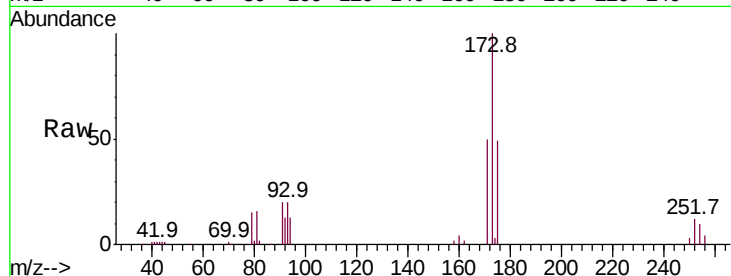
Tot Ion:173 Resp: 33728

Ion Ratio Lower Upper

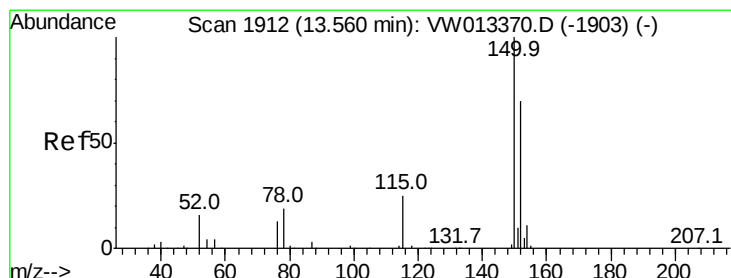
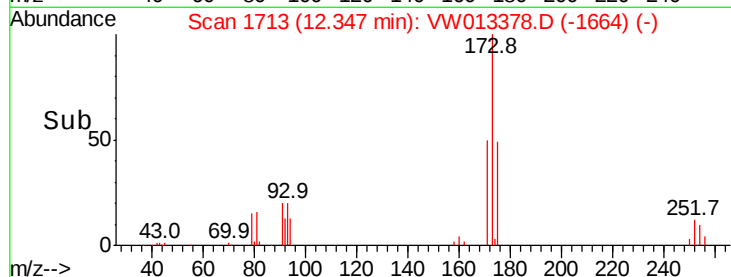
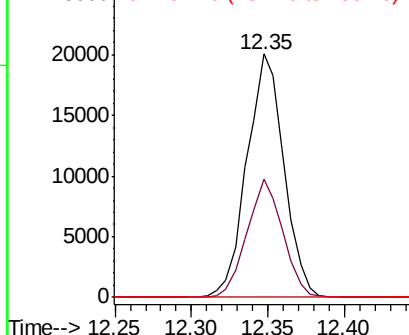
173 100

175 47.0 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: VW013378.D

Acq: 02 Oct 2019 15:11

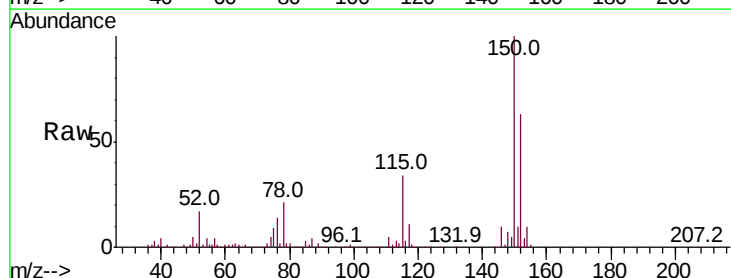
Tgt Ion:152 Resp: 207275

Ion Ratio Lower Upper

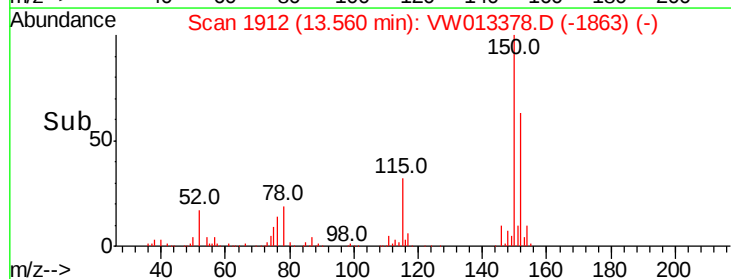
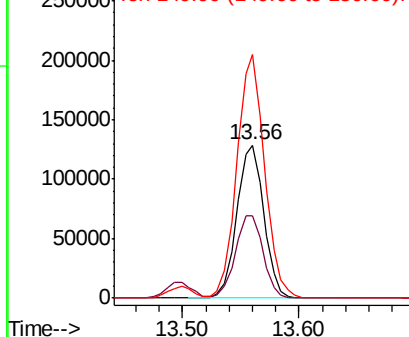
152 100

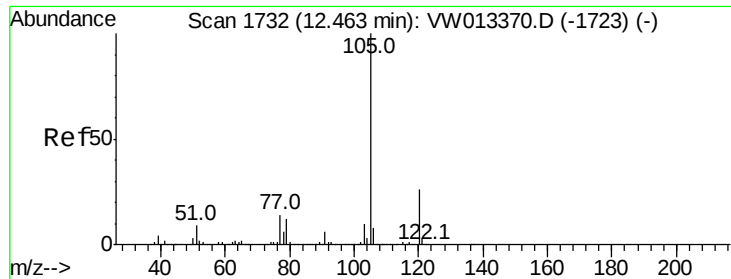
115 55.4 27.3 81.9

150 163.7 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: 20.447 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

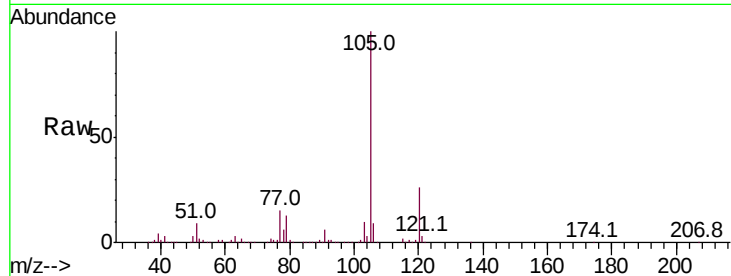
ClientSampleId :

Tot Ion:105 Resp: 310008

Ion Ratio Lower Upper

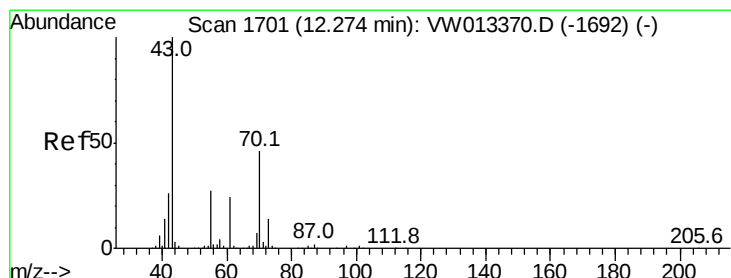
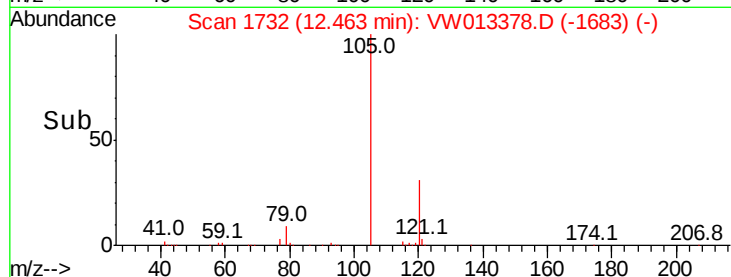
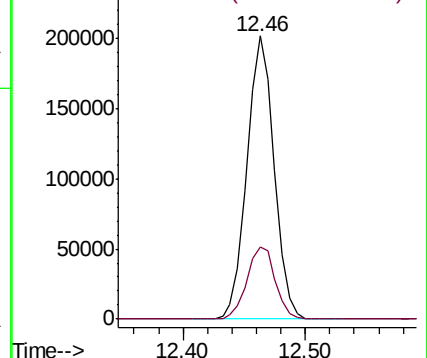
105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.900 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion: 43 Resp: 70666

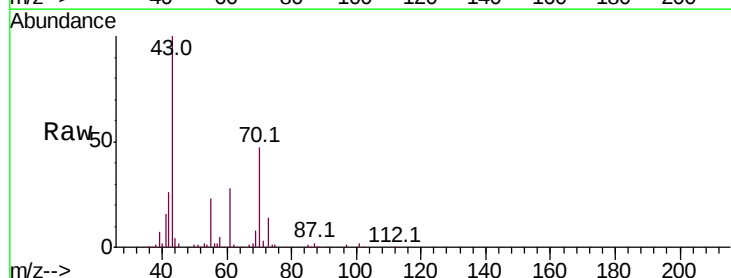
Ion Ratio Lower Upper

43 100

70 44.2 35.1 52.7

55 25.0 19.9 29.9

61 25.7 19.5 29.3

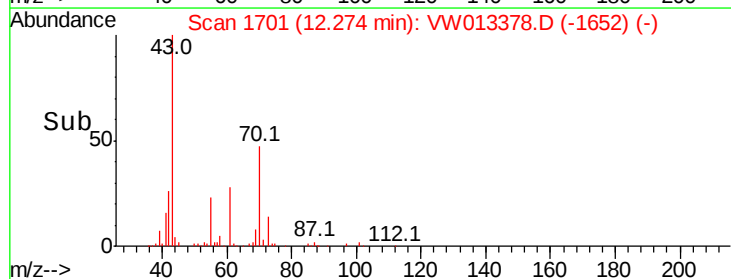
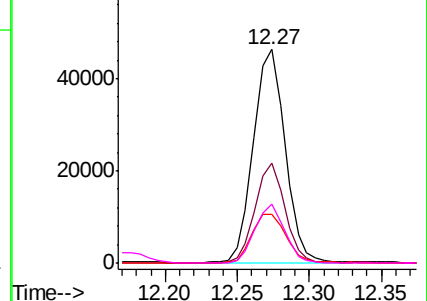


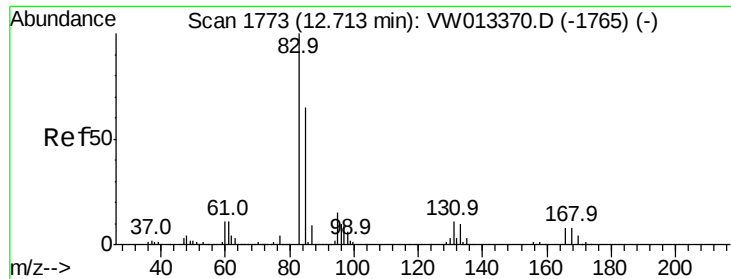
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 21.520 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

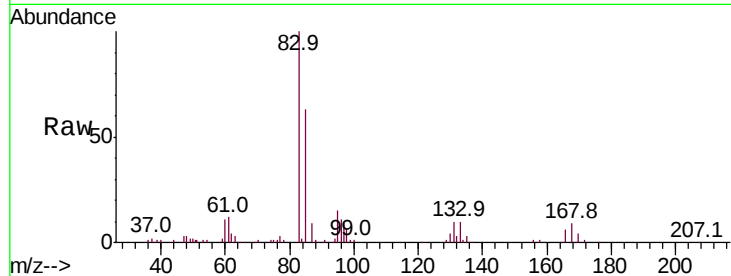
Tot Ion: 83 Resp: 55226

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

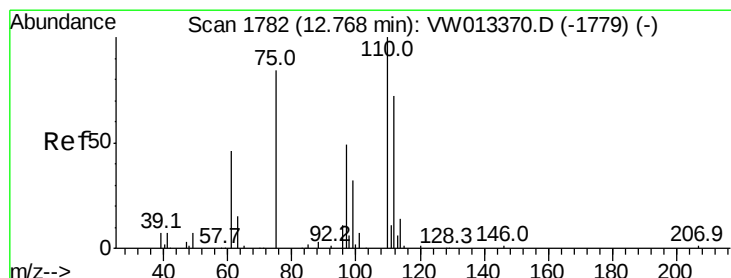
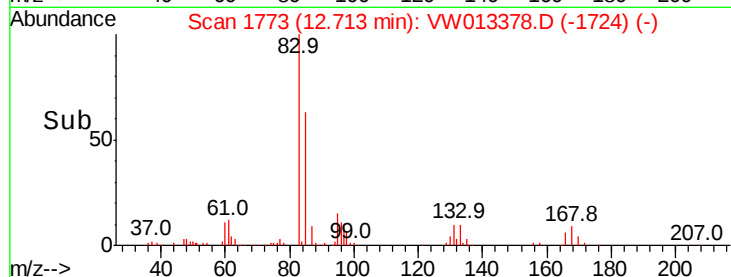
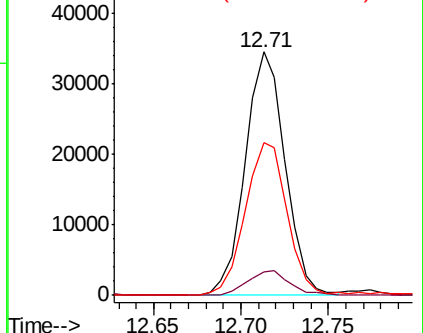
85 66.1 31.9 95.9



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: 37.660 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013378.D

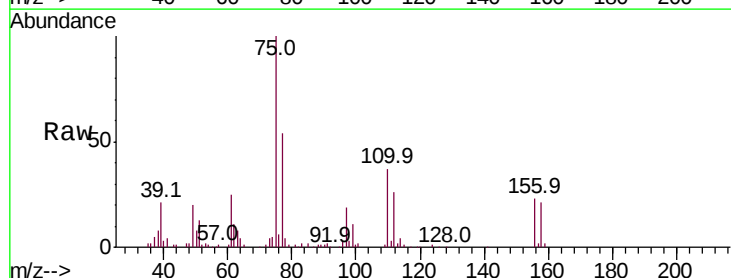
Acq: 02 Oct 2019 15:11

Tgt Ion: 75 Resp: 69377

Ion Ratio Lower Upper

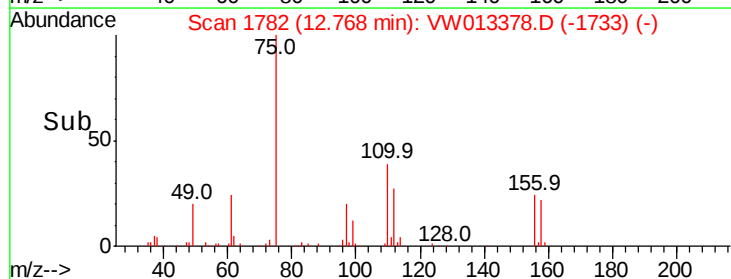
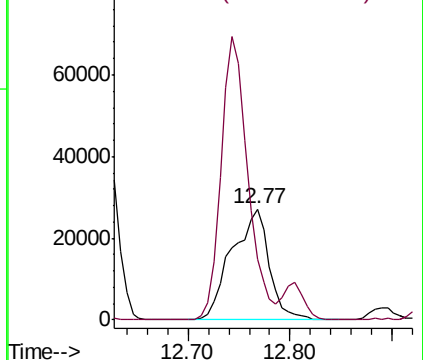
75 100

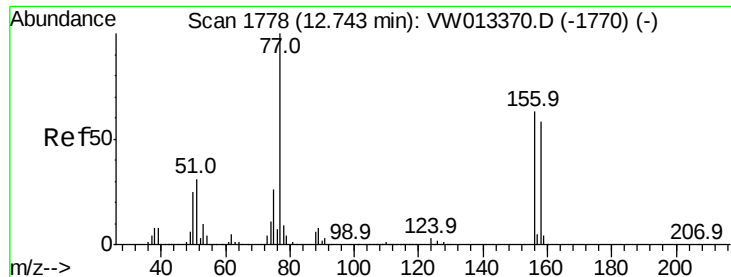
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.290 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

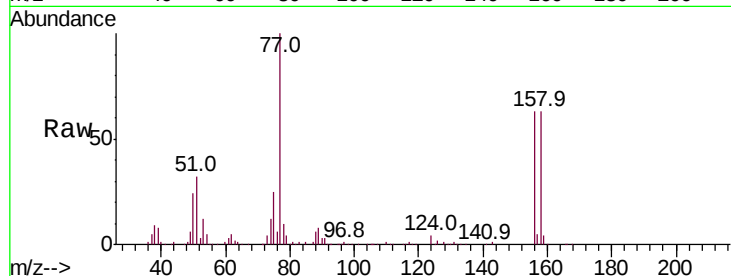
Tot Ion:156 Resp: 73868

Ion Ratio Lower Upper

156 100

77 172.1 85.7 257.1

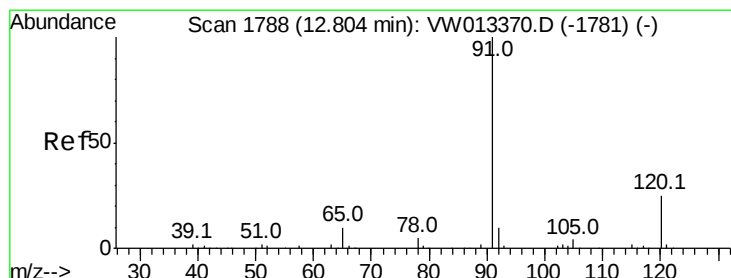
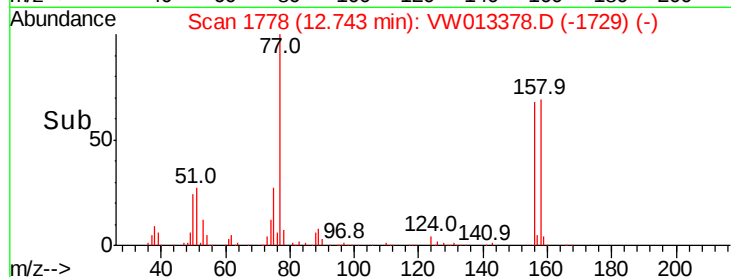
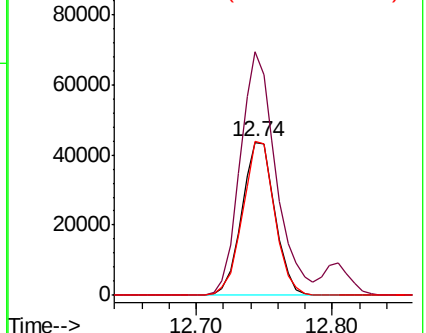
158 97.2 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.767 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013378.D

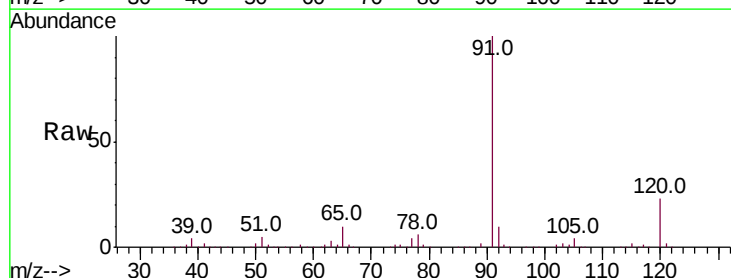
Acq: 02 Oct 2019 15:11

Tgt Ion: 91 Resp: 362191

Ion Ratio Lower Upper

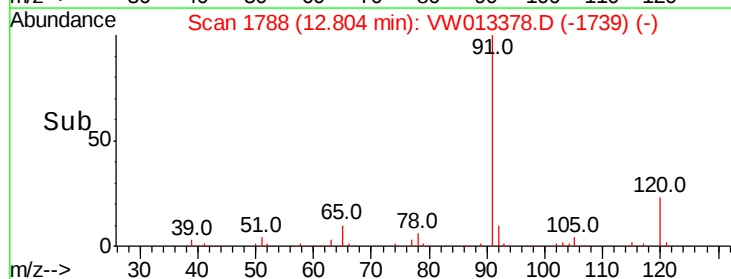
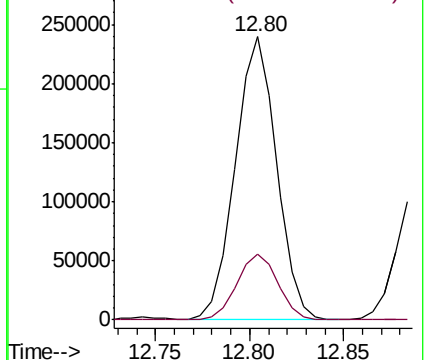
91 100

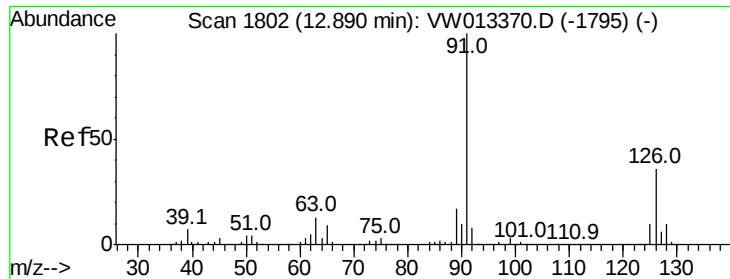
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

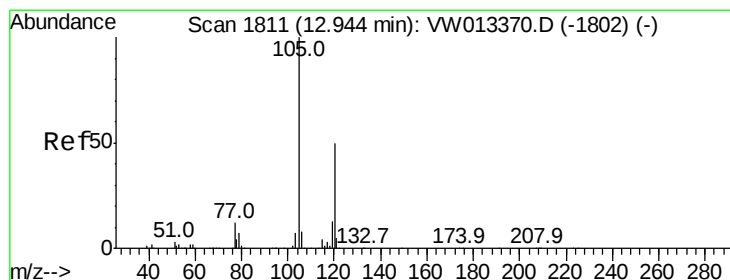
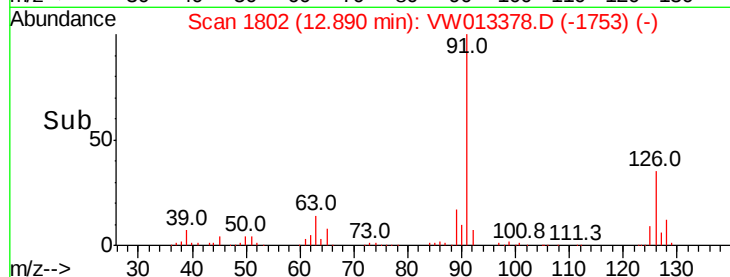
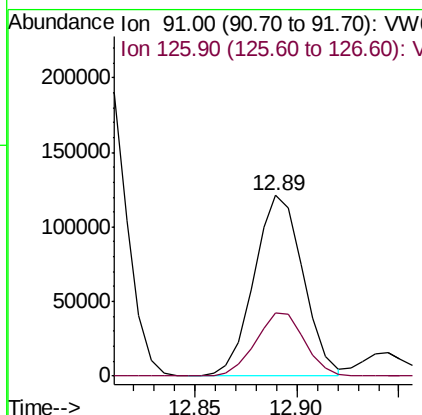
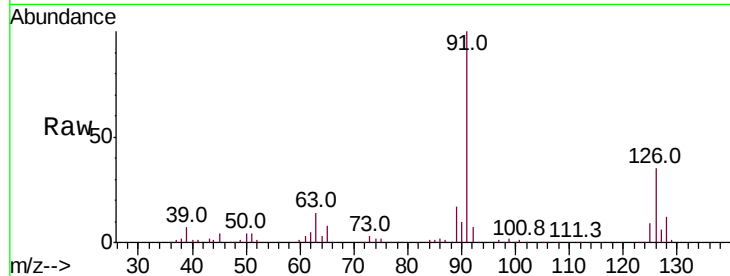




#79
2-Chlorotoluene
Concen: 20.883 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

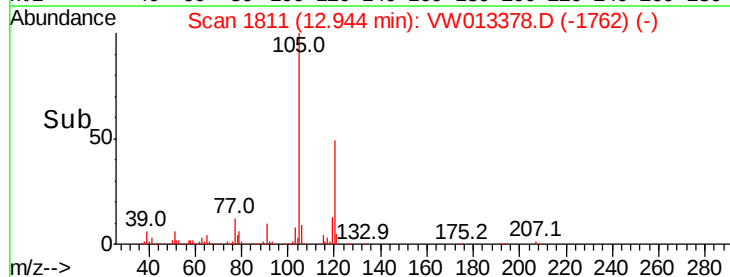
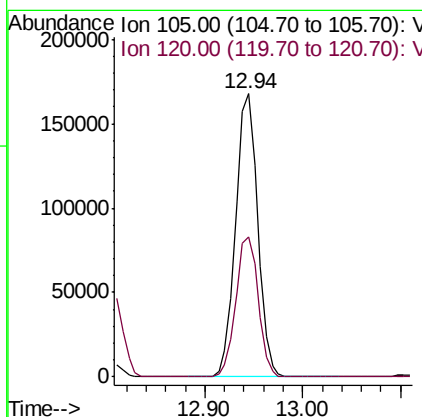
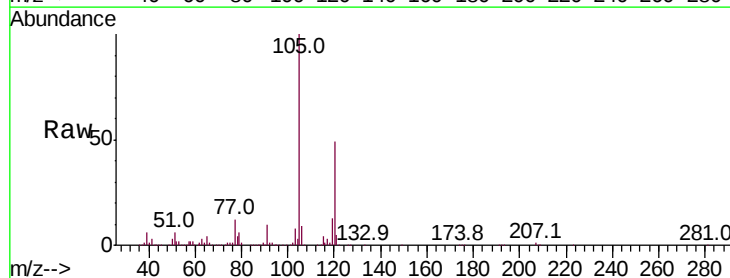
Instrument :
MSVOA_W
ClientSampled :

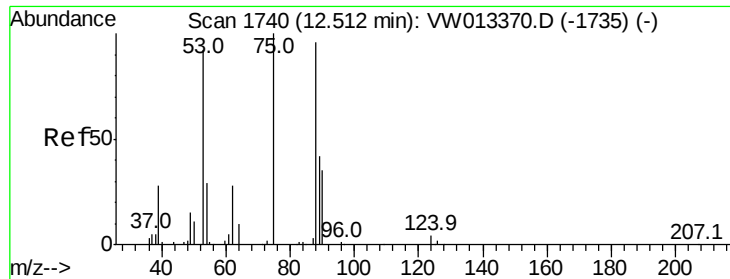
Tot Ion: 91 Resp: 202290
Ion Ratio Lower Upper
91 100
126 35.1 17.2 51.5



#80
1,3,5-Trimethylbenzene
Concen: 20.939 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 105 Resp: 263714
Ion Ratio Lower Upper
105 100
120 50.2 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 22.710 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampled :

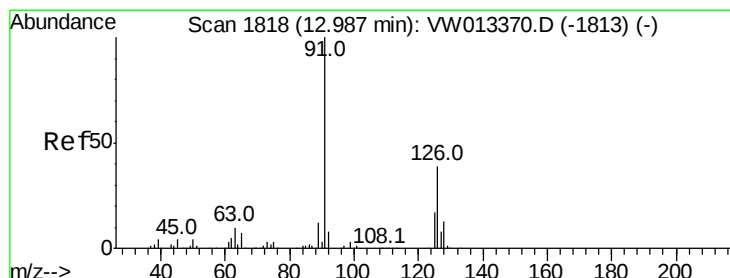
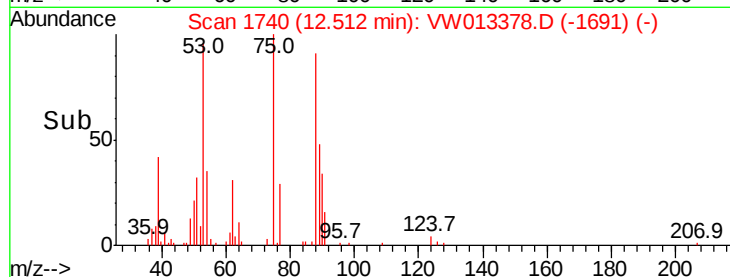
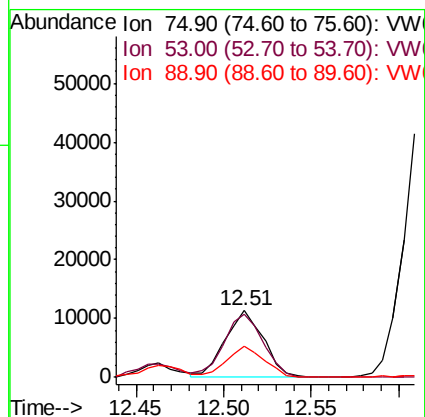
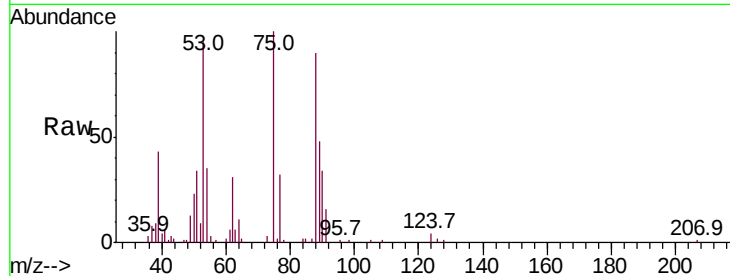
Tot Ion: 75 Resp: 17505

Ion Ratio Lower Upper

75 100

53 96.9 76.6 114.8

89 45.9 33.5 50.3



#82

4-Chlorotoluene

Concen: 20.798 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013378.D

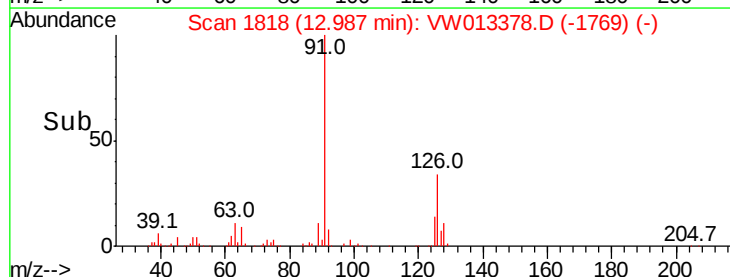
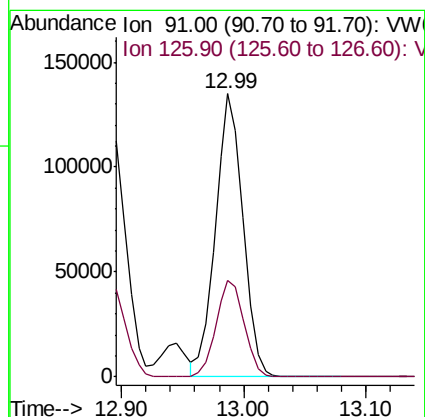
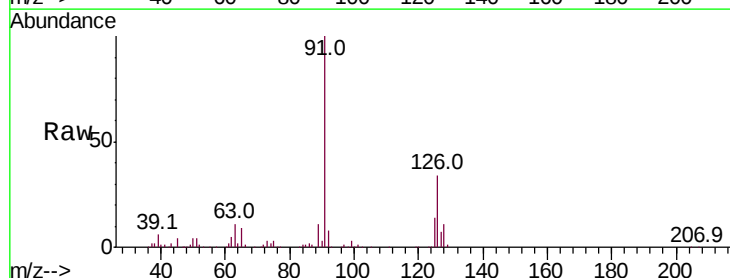
Acq: 02 Oct 2019 15:11

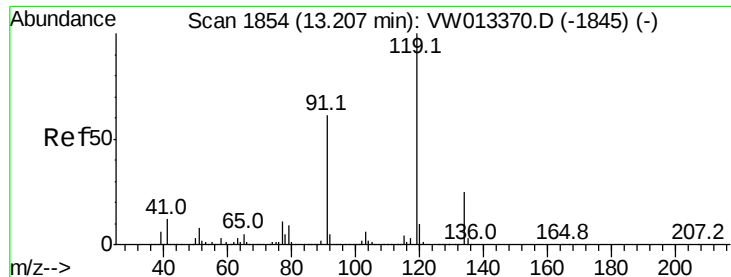
Tgt Ion: 91 Resp: 211040

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7

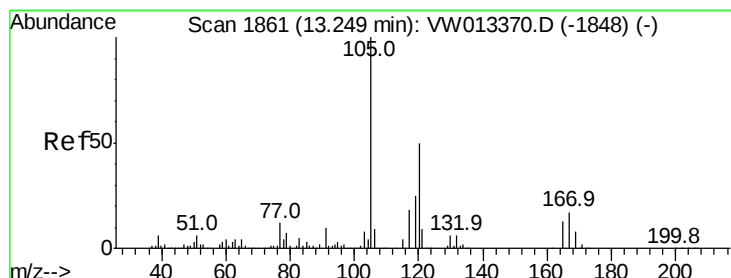
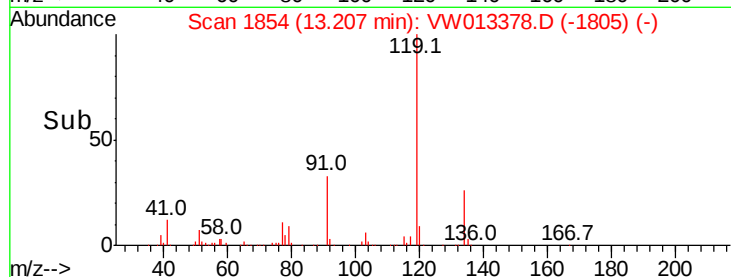
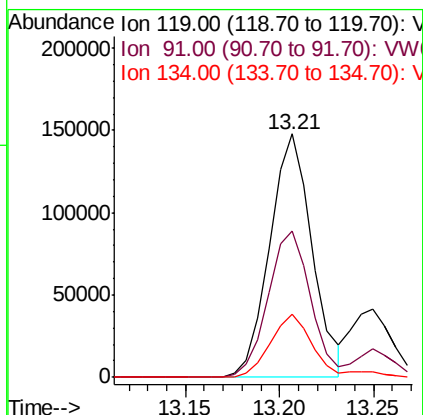
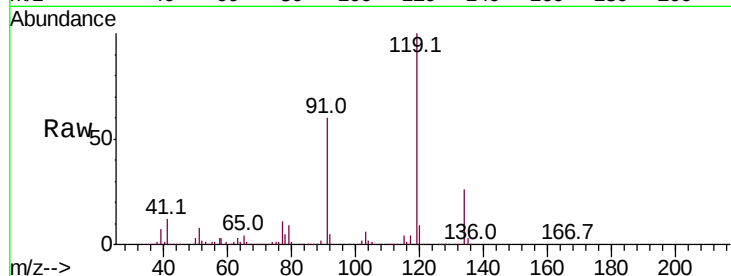




#83
tert-Butylbenzene
Concen: 21.005 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

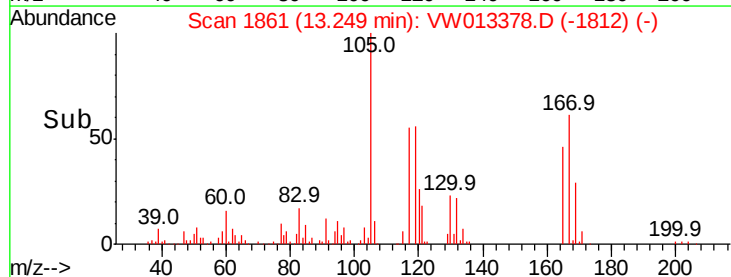
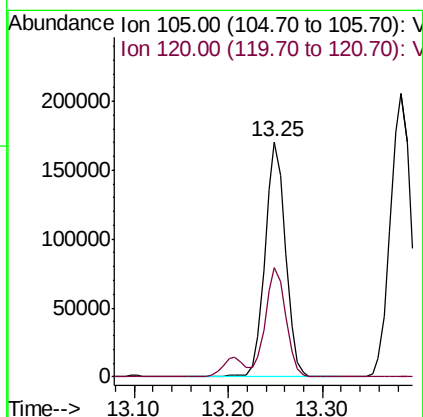
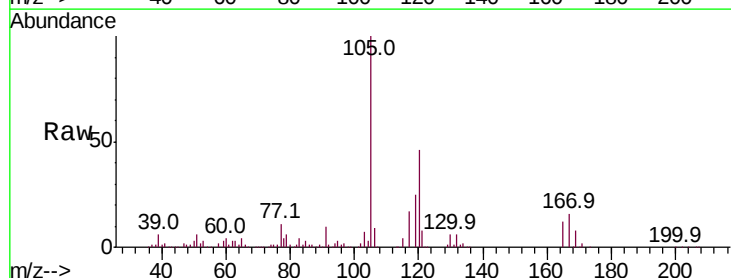
Instrument :
MSVOA_W
ClientSampled :

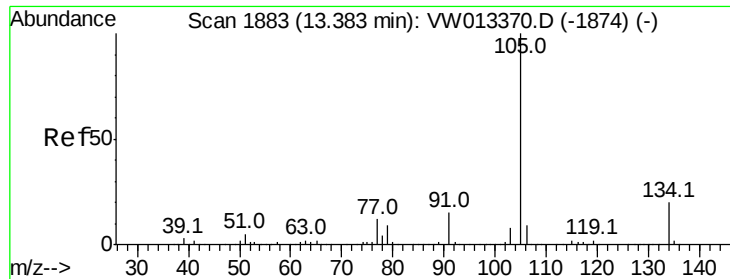
Tot Ion:119 Resp: 231073
Ion Ratio Lower Upper
119 100
91 60.0 30.7 92.1
134 27.1 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.903 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion:105 Resp: 261723
Ion Ratio Lower Upper
105 100
120 45.8 23.4 70.3

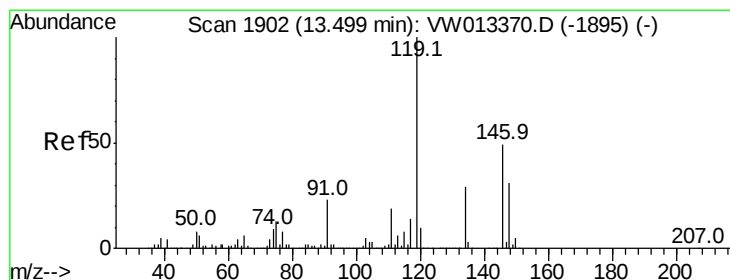
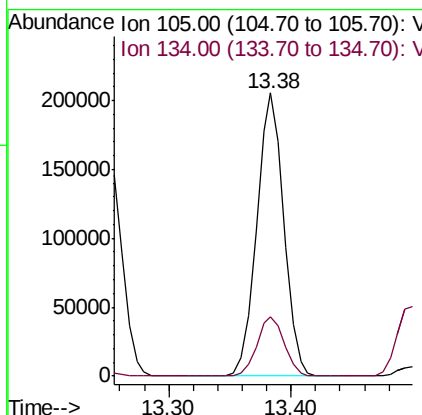
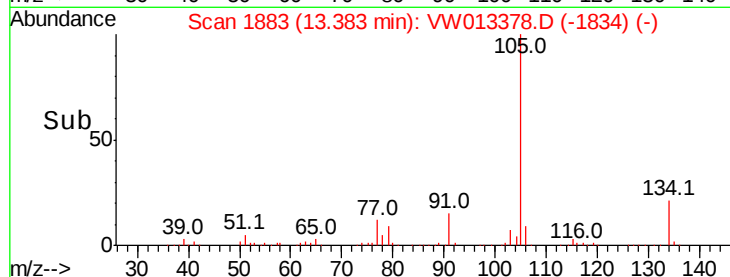
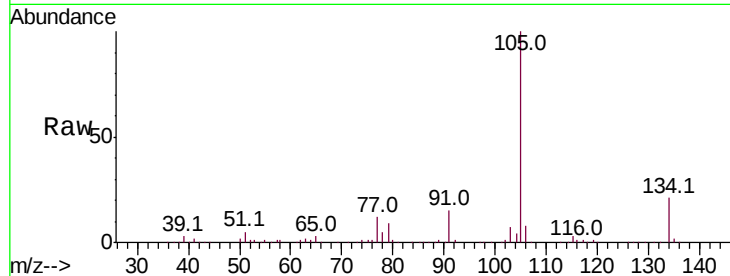




#85
 sec-Butylbenzene
 Concen: 20.836 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

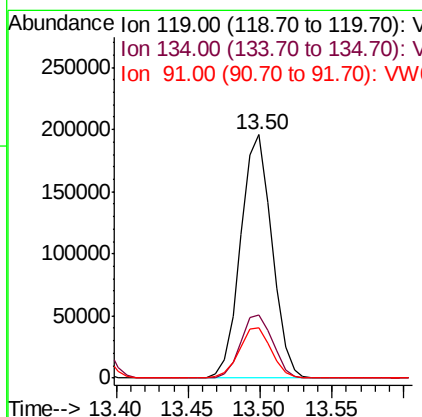
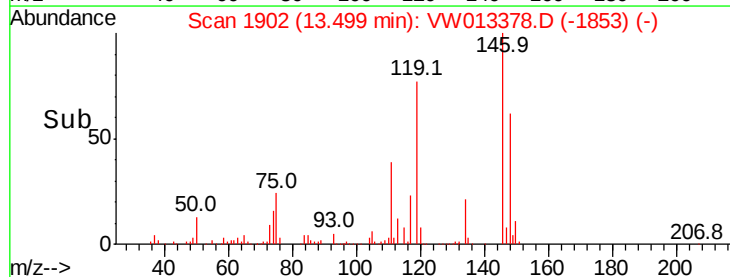
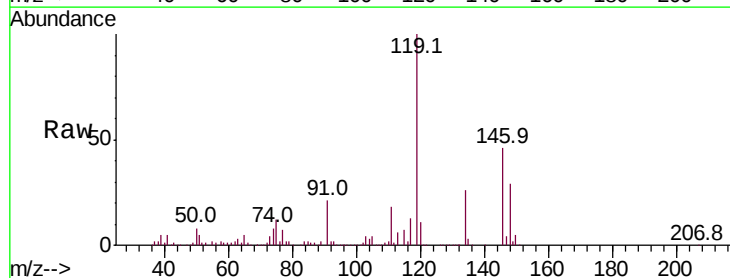
Instrument :
 MSVOA_W
 ClientSampleId :

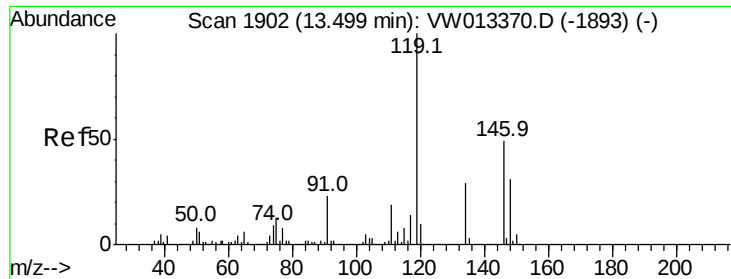
Tot Ion:105 Resp: 316033
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.950 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion:119 Resp: 294477
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 21.3 10.8 32.4

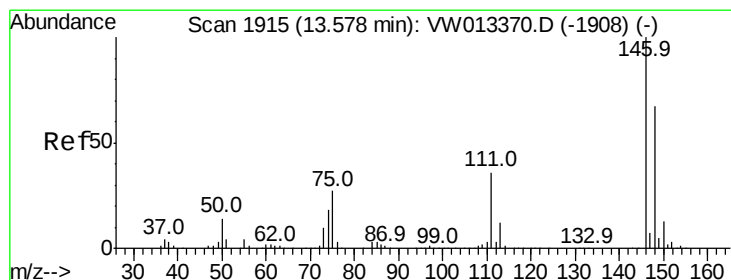
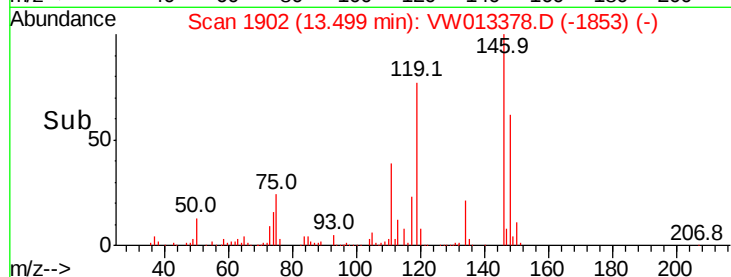
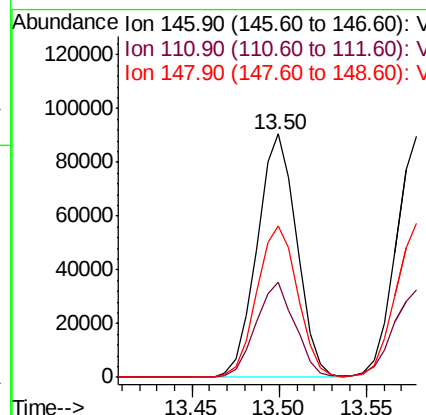
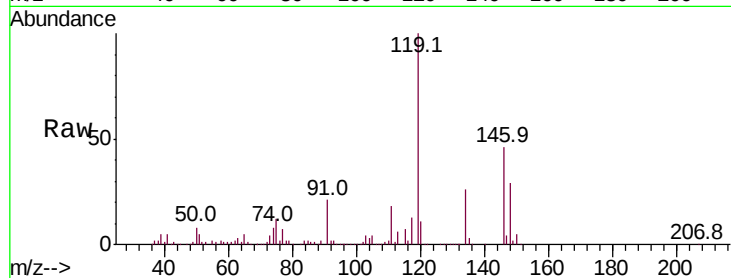




#87
 1,3-Dichlorobenzene
 Concen: 20.828 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

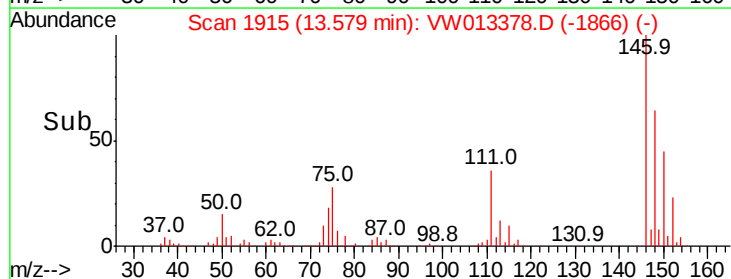
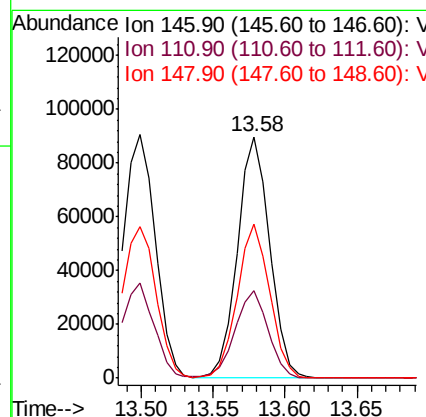
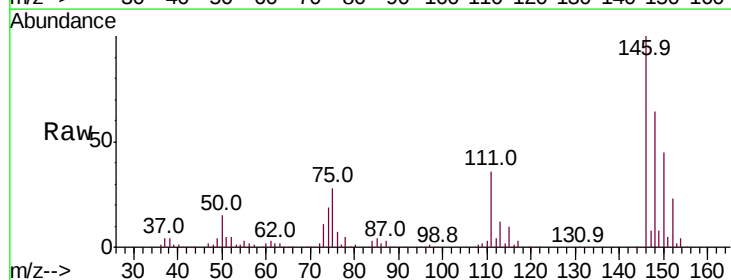
Instrument :
 MSVOA_W
 ClientSampleId :

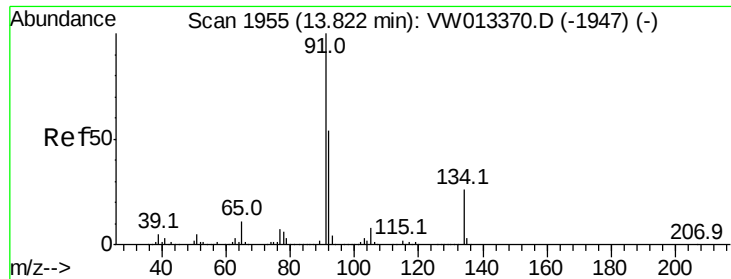
Tot Ion:146 Resp: 142654
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.9 56.9
 148 64.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.471 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion:146 Resp: 140388
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.4 55.0
 148 64.2 32.1 96.3

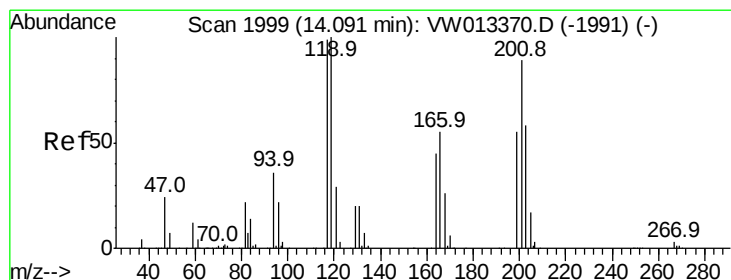
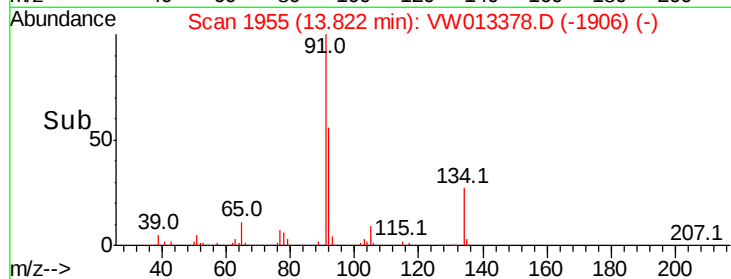
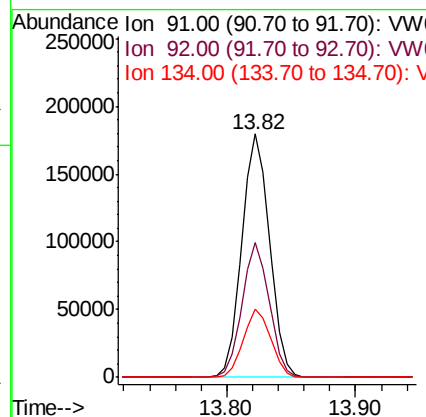
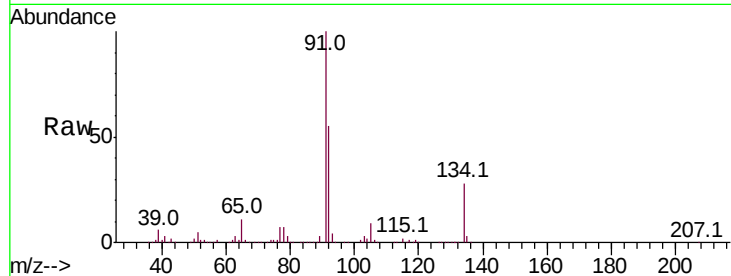




#89
n-Butylbenzene
Concen: 21.083 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

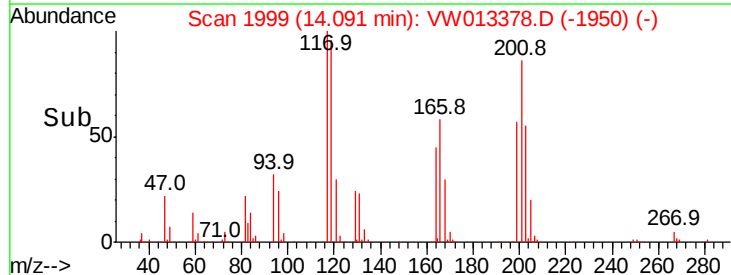
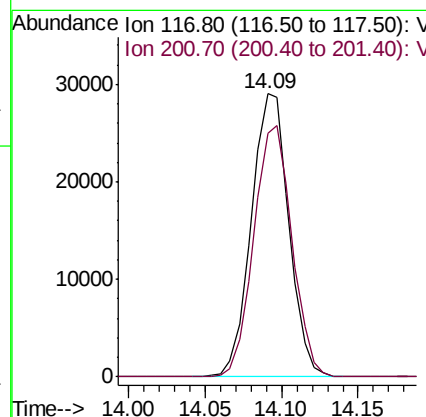
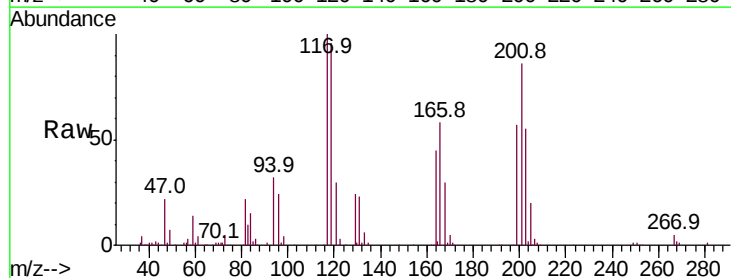
Instrument :
MSVOA_W
ClientSampled :

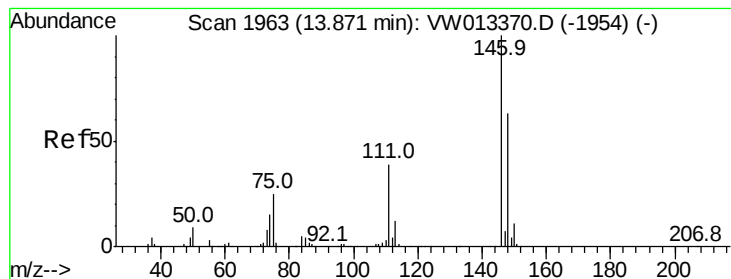
Tot Ion: 91 Resp: 267184
Ion Ratio Lower Upper
91 100
92 54.1 27.6 82.8
134 27.7 13.7 41.1



#90
Hexachloroethane
Concen: 21.289 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 117 Resp: 49439
Ion Ratio Lower Upper
117 100
201 90.3 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 20.741 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampled :

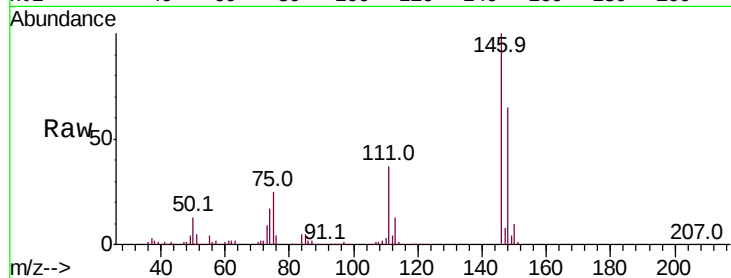
Tot Ion:146 Resp: 125585

Ion Ratio Lower Upper

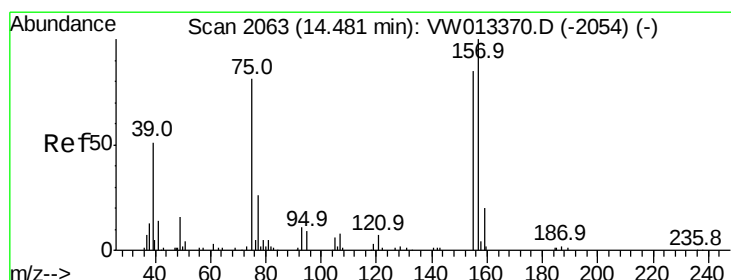
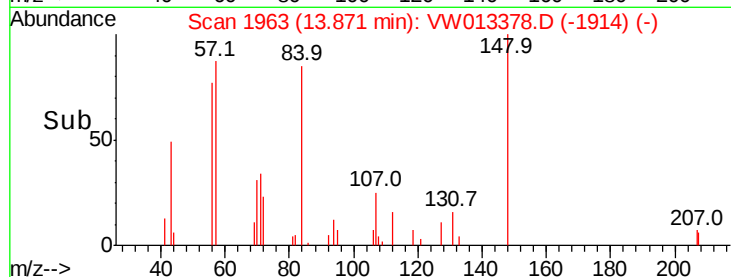
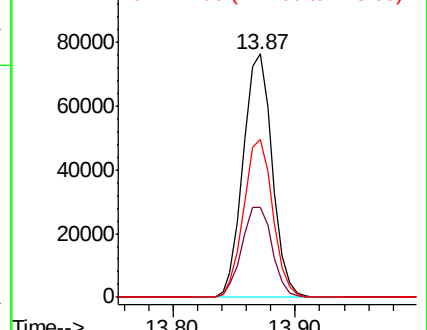
146 100

111 39.1 20.1 60.3

148 65.4 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: 22.788 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

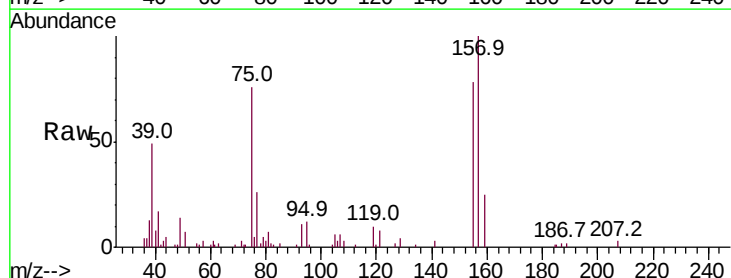
Tgt Ion: 75 Resp: 8747

Ion Ratio Lower Upper

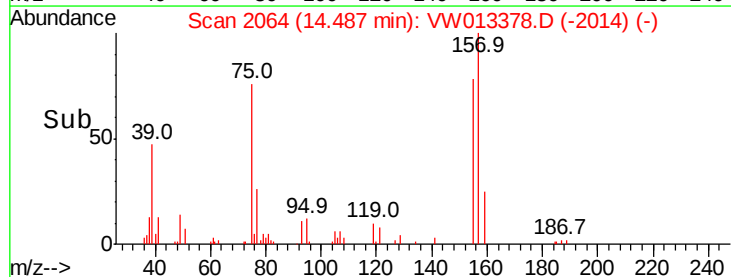
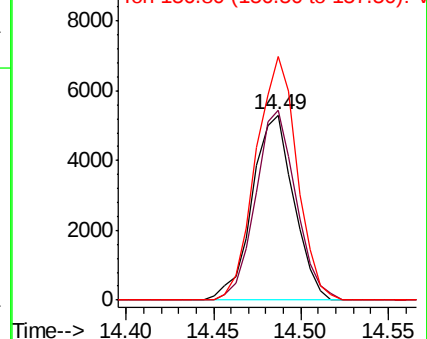
75 100

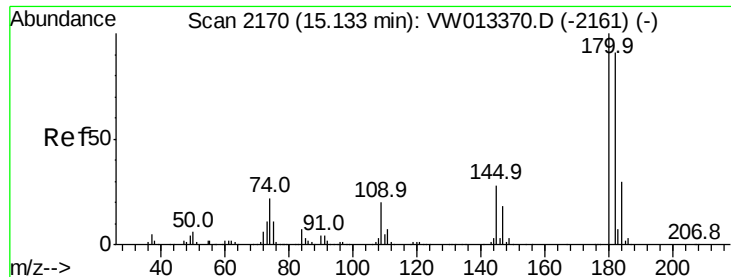
155 99.8 46.1 138.3

157 130.5 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

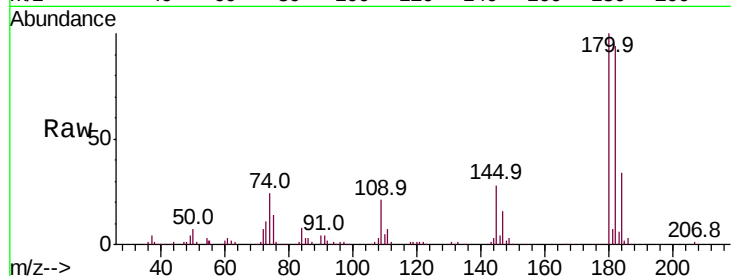




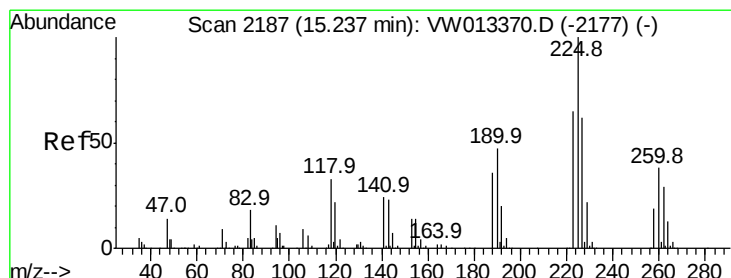
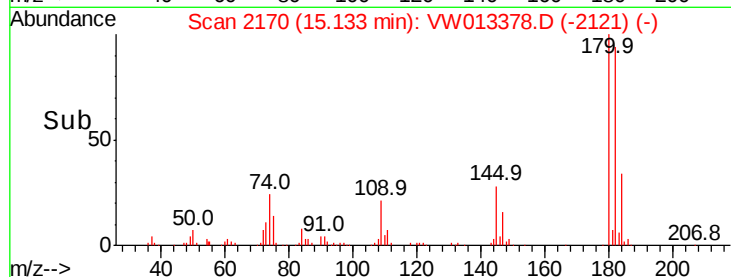
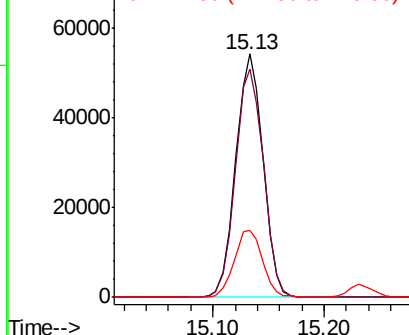
#93
1,2,4-Trichlorobenzene
Concen: 21.135 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:180 Resp: 91837
Ion Ratio Lower Upper
180 100
182 96.2 47.3 142.0
145 28.5 14.2 42.8

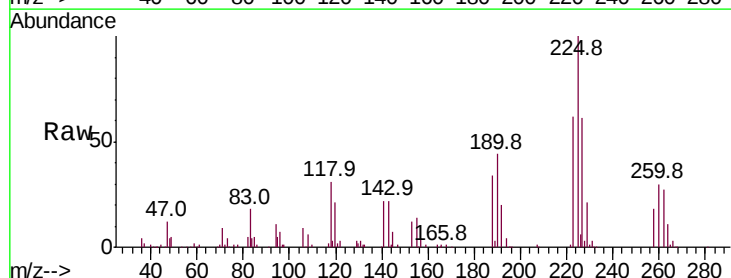


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

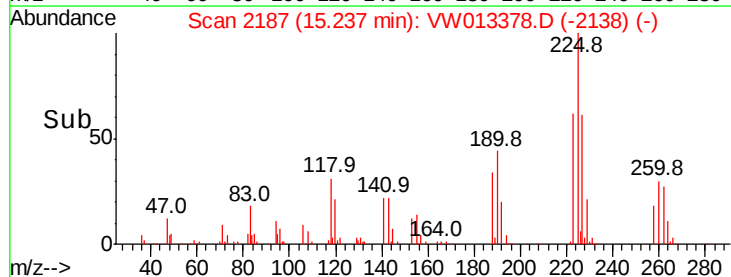
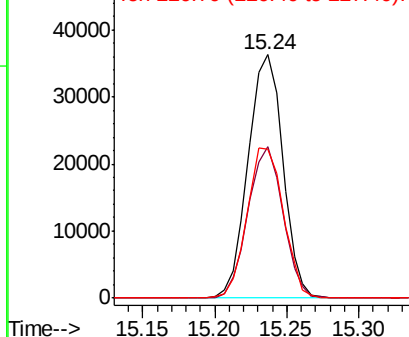


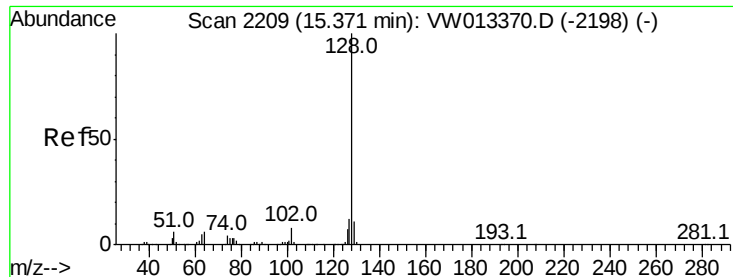
#94
Hexachlorobutadiene
Concen: 21.466 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion:225 Resp: 60593
Ion Ratio Lower Upper
225 100
223 62.8 30.6 91.8
227 64.3 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

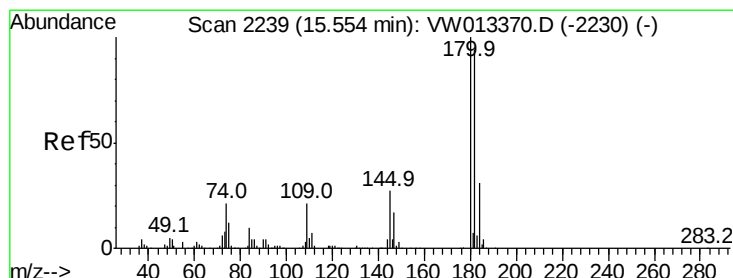
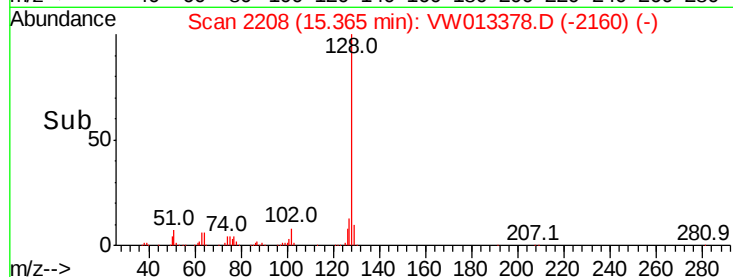
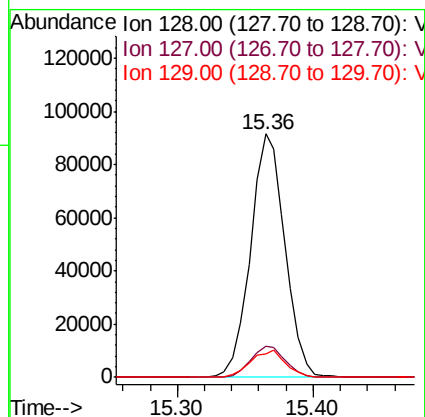
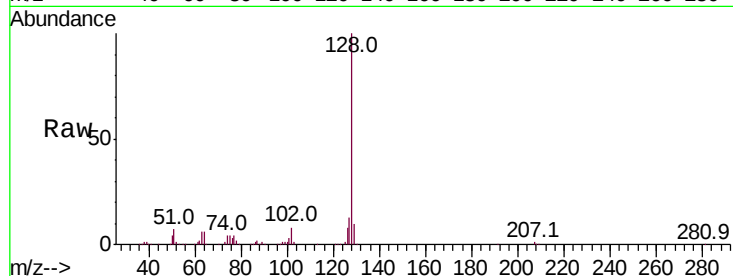




#95
Naphthalene
Concen: 22.009 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 161327
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.755 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion:180 Resp: 82535
Ion Ratio Lower Upper
180 100
182 93.0 47.9 143.7
145 28.0 15.0 45.0

