

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013291.D
 Acq On : 25 Sep 2019 11:15
 Operator : SY/VA
 Sample : VW0925SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 25 17:19:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	326086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	471047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209386	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	136458	51.27	ug/l	0.00
Spiked Amount						
			Recovery	=	102.54%	
35) Dibromofluoromethane	7.88	113	133580	51.56	ug/l	0.00
Spiked Amount						
			Recovery	=	103.12%	
50) Toluene-d8	10.32	98	555432	51.23	ug/l	0.00
Spiked Amount						
			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	194633	52.55	ug/l	0.00
Spiked Amount						
			Recovery	=	105.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	36220	19.256	ug/l	90
3) Chloromethane	2.21	50	49728	20.566	ug/l	96
4) Vinyl Chloride	2.35	62	63587	20.399	ug/l	100
5) Bromomethane	2.77	94	39517	20.004	ug/l	100
6) Chloroethane	2.90	64	33586	18.279	ug/l	90
7) Trichlorofluoromethane	3.23	101	32583	18.127	ug/l	95
8) Diethyl Ether	3.67	74	32123	20.923	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	59483	20.326	ug/l	99
10) Methyl Iodide	4.26	142	88957	19.606	ug/l	100
11) Tert butyl alcohol	5.21	59	16278	78.013	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	60981	20.123	ug/l	96
13) Acrolein	3.89	56	15062	98.315	ug/l	96
14) Allyl chloride	4.66	41	98684	20.462	ug/l	98
15) Acrylonitrile	5.37	53	75699	114.232	ug/l	99
16) Acetone	4.13	43	63610	105.988	ug/l	97
17) Carbon Disulfide	4.37	76	166362	18.994	ug/l	99
18) Methyl Acetate	4.67	43	38634	22.900	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	98940	21.303	ug/l	98
20) Methylene Chloride	4.90	84	64588	19.256	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	65884	20.115	ug/l	98
22) Diisopropyl ether	6.30	45	188316	20.534	ug/l	93
23) Vinyl Acetate	6.25	43	578055	106.245	ug/l	99
24) 1,1-Dichloroethane	6.21	63	110187	19.911	ug/l	98
25) 2-Butanone	7.17	43	100111	111.118	ug/l	98
26) 2,2-Dichloropropane	7.16	77	70411	19.213	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	70752	20.469	ug/l	98
28) Bromochloromethane	7.51	49	37749	17.773	ug/l	97
29) Tetrahydrofuran	7.53	42	63892	115.638	ug/l	99
30) Chloroform	7.67	83	107958	19.925	ug/l	99
31) Cyclohexane	7.95	56	117444	20.359	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	89130	20.311	ug/l	99
36) 1,1-Dichloropropene	8.07	75	95108	20.846	ug/l	98
37) Ethyl Acetate	7.25	43	42778	22.061	ug/l	99
38) Carbon Tetrachloride	8.06	117	81207	19.855	ug/l	93

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	122081	20.822	ug/l	98
40) Benzene	8.32	78	263676	20.720	ug/l	100
41) Methacrylonitrile	7.48	41	25002	21.604	ug/l	96
42) 1,2-Dichloroethane	8.40	62	69568	20.336	ug/l	99
43) Isopropyl Acetate	8.42	43	79463	21.382	ug/l	100
44) Trichloroethene	9.09	130	73340	20.540	ug/l	99
45) 1,2-Dichloropropane	9.37	63	63168	20.331	ug/l	97
46) Dibromomethane	9.46	93	32099	21.280	ug/l	98
47) Bromodichloromethane	9.64	83	76320	19.884	ug/l	97
48) Methyl methacrylate	9.43	41	40072	22.931	ug/l	96
49) 1,4-Dioxane	9.48	88	11504	508.077	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	211653	113.604	ug/l	99
52) Toluene	10.38	92	168958	20.716	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	80726	20.471	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	97126	20.257	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	48045	21.310	ug/l	97
56) Ethyl methacrylate	10.65	69	63241	21.433	ug/l	99
57) 1,3-Dichloropropane	10.93	76	81487	20.712	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	146480	107.234	ug/l	100
59) 2-Hexanone	10.97	43	146790	114.519	ug/l	100
60) Dibromochloromethane	11.13	129	52431	20.480	ug/l	100
61) 1,2-Dibromoethane	11.23	107	45776	21.354	ug/l	99
64) Tetrachloroethene	10.86	164	63901	20.650	ug/l	96
65) Chlorobenzene	11.65	112	175090	20.559	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	58628	20.150	ug/l	98
67) Ethyl Benzene	11.73	91	321487	20.834	ug/l	100
68) m/p-Xylenes	11.83	106	243890	41.476	ug/l	99
69) o-Xylene	12.16	106	111699	20.432	ug/l	99
70) Styrene	12.18	104	195398	20.819	ug/l	99
71) Bromoform	12.35	173	32767	21.317	ug/l #	98
73) Isopropylbenzene	12.46	105	315129	20.374	ug/l	99
74) N-amyl acetate	12.27	43	71784	20.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56340	21.780	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	72093	38.987	ug/l #	100
77) Bromobenzene	12.74	156	74026	20.196	ug/l	97
78) n-propylbenzene	12.80	91	373904	20.652	ug/l	100
79) 2-Chlorotoluene	12.89	91	206367	20.345	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	266023	20.460	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17863	21.676	ug/l	96
82) 4-Chlorotoluene	12.99	91	219064	20.480	ug/l	100
83) tert-Butylbenzene	13.21	119	231854	20.317	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	263857	20.394	ug/l	98
85) sec-Butylbenzene	13.38	105	323955	20.590	ug/l	100
86) p-Isopropyltoluene	13.50	119	303354	20.788	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	144656	20.506	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	143634	20.761	ug/l	99
89) n-Butylbenzene	13.82	91	276088	20.720	ug/l	100
90) Hexachloroethane	14.09	117	48472	19.772	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	129875	21.281	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8803	22.248	ug/l	95

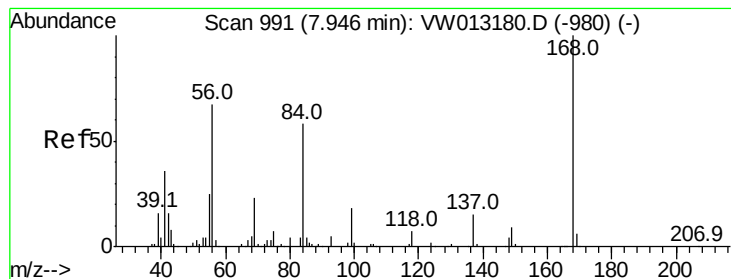
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	90072	20.597	ug/l	98
94) Hexachlorobutadiene	15.24	225	62848	21.006	ug/l	98
95) Naphthalene	15.36	128	161086	22.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	79657	21.080	ug/l	99

(#) = 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: VW013291.D

Acq: 25 Sep 2019 11:15

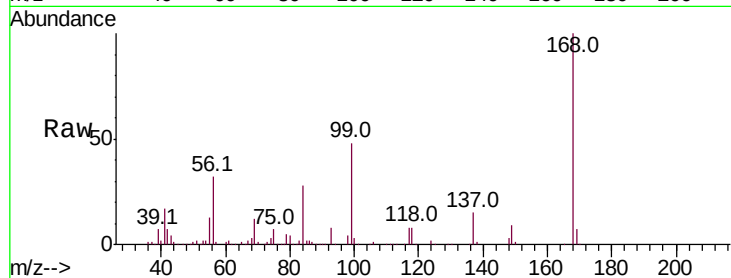
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 326086

Ion Ratio Lower Upper

168 100

99 48.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

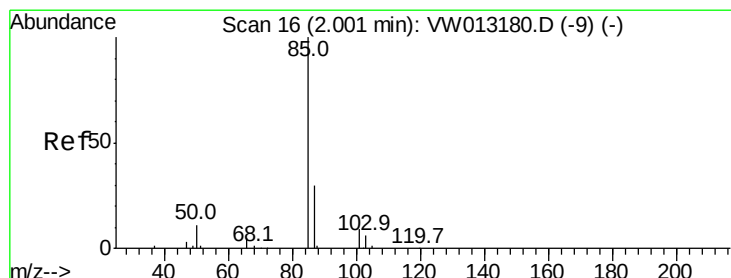
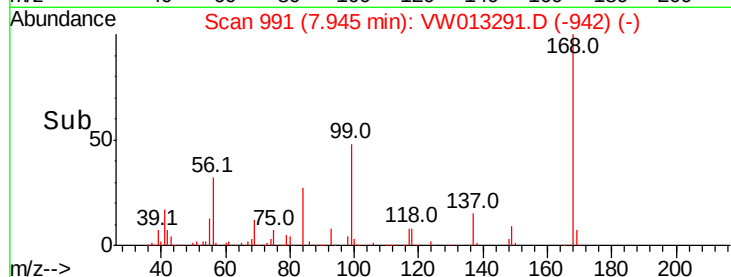
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 19.256 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013291.D

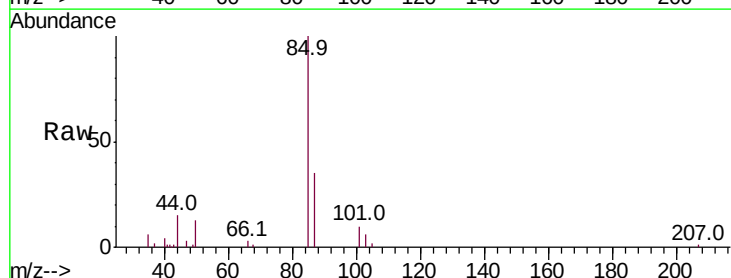
Acq: 25 Sep 2019 11:15

Tgt Ion: 85 Resp: 36220

Ion Ratio Lower Upper

85 100

87 35.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

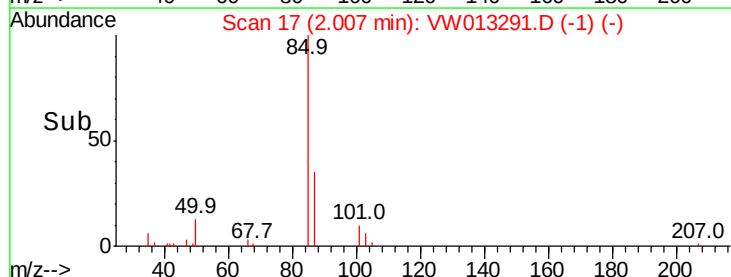
15000

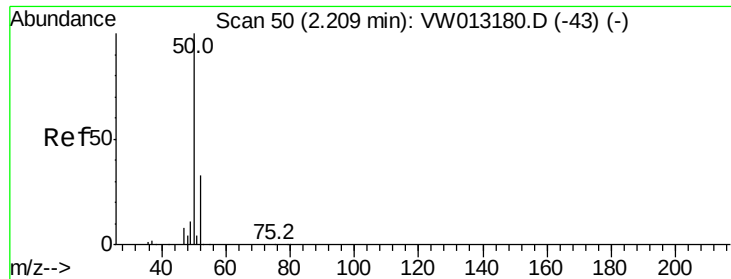
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.566 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

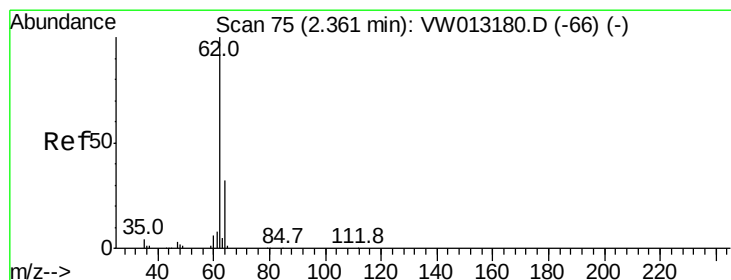
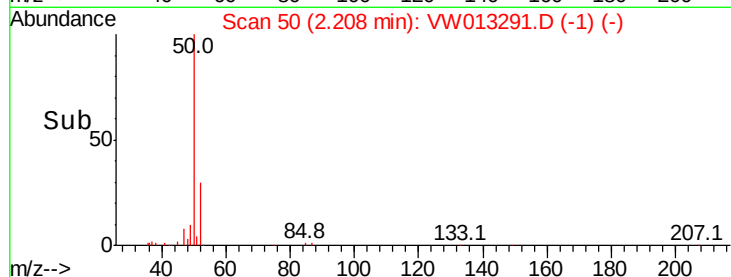
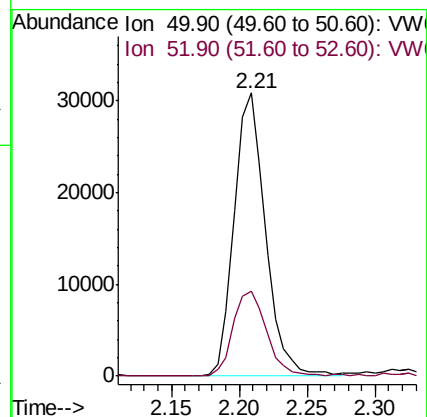
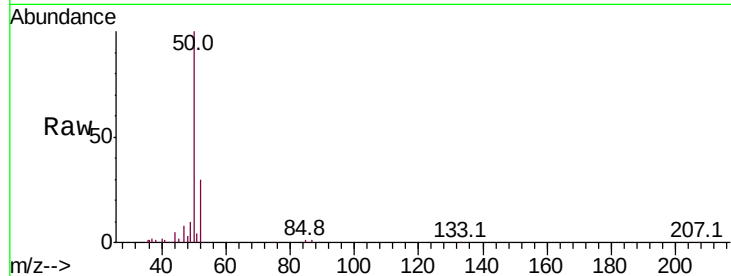
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 49728

Ion Ratio Lower Upper

50 100

52 30.1 26.1 39.1



#4

Vinyl Chloride

Concen: 20.399 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013291.D

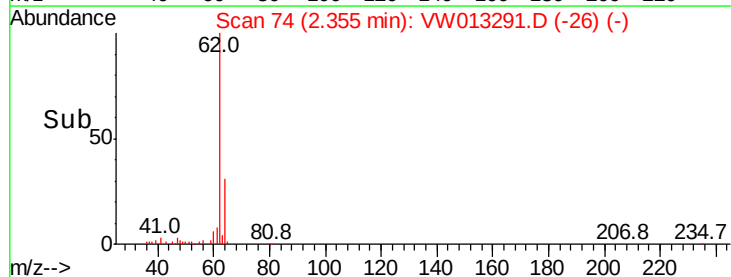
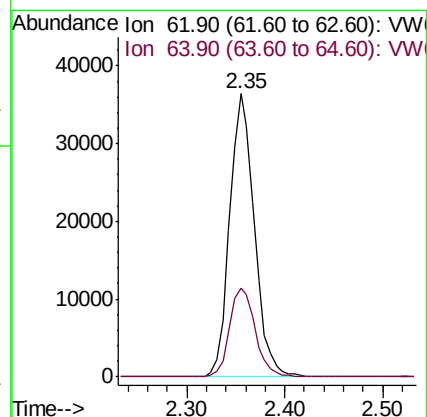
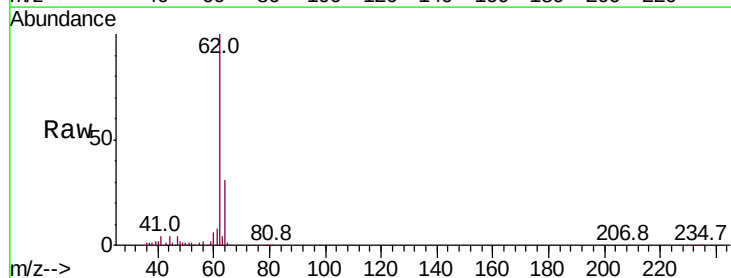
Acq: 25 Sep 2019 11:15

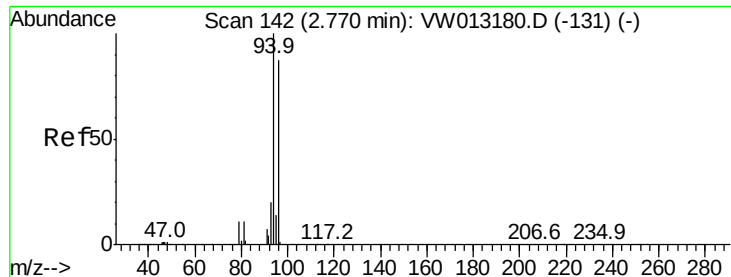
Tgt Ion: 62 Resp: 63587

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 20.004 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

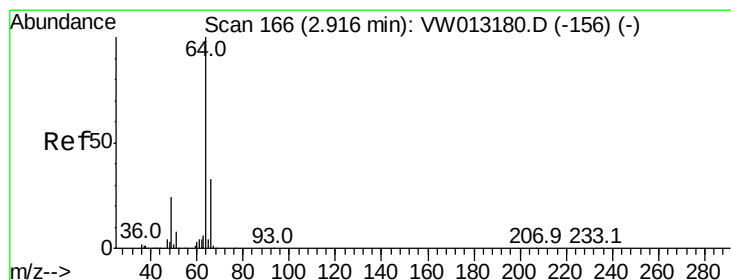
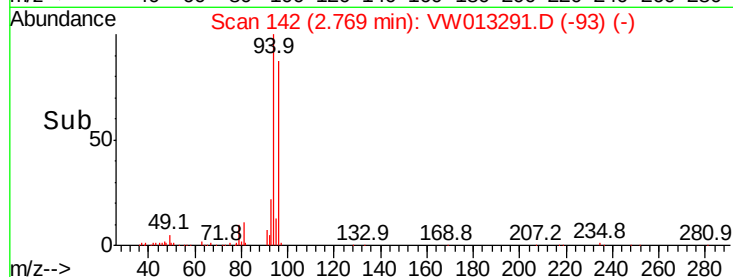
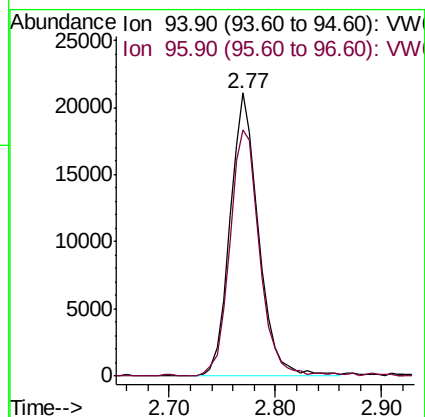
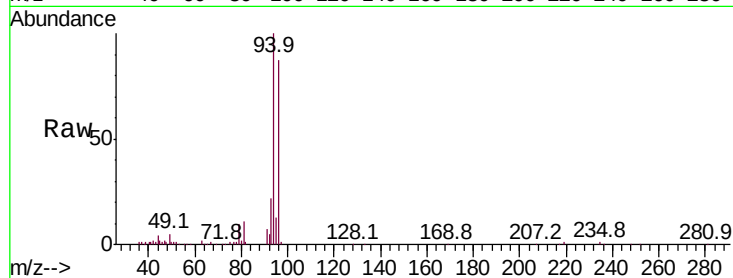
ClientSampled :

Tot Ion: 94 Resp: 39517

Ion Ratio Lower Upper

94 100

96 86.9 69.7 104.5



#6

Chloroethane

Concen: 18.279 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW013291.D

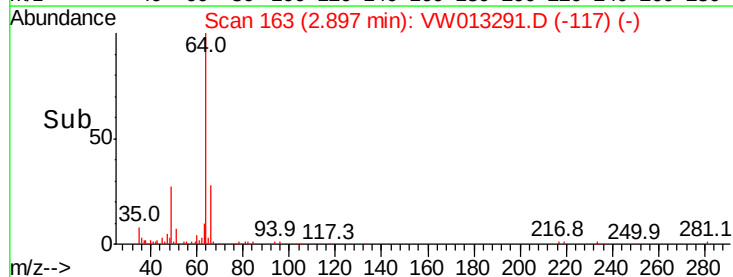
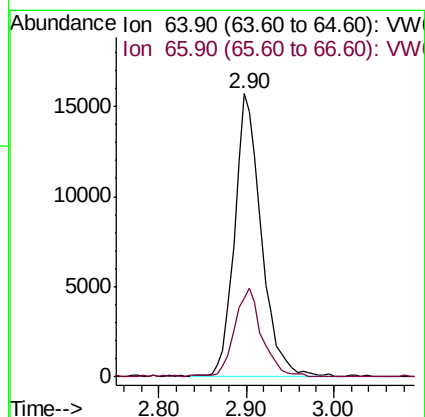
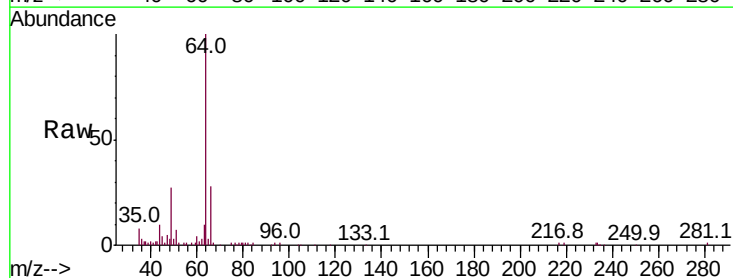
Acq: 25 Sep 2019 11:15

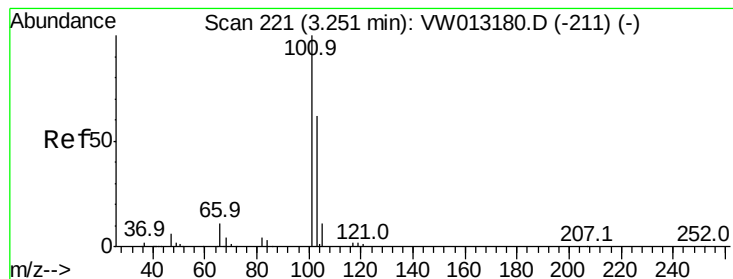
Tgt Ion: 64 Resp: 33586

Ion Ratio Lower Upper

64 100

66 27.6 26.6 39.8



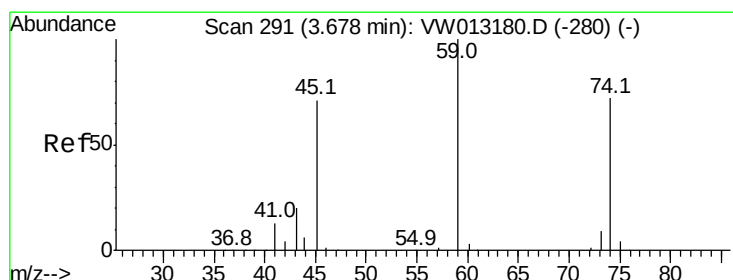
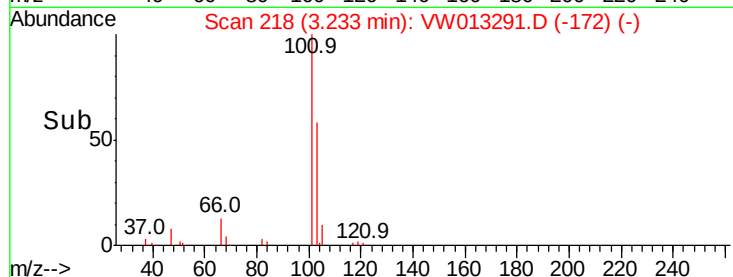
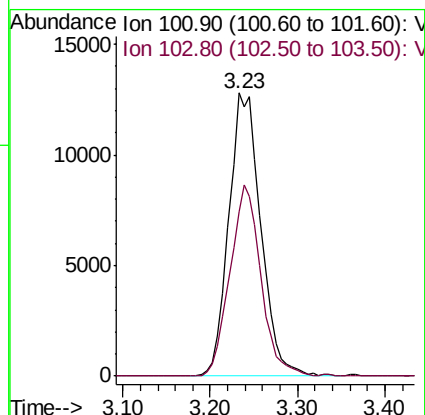
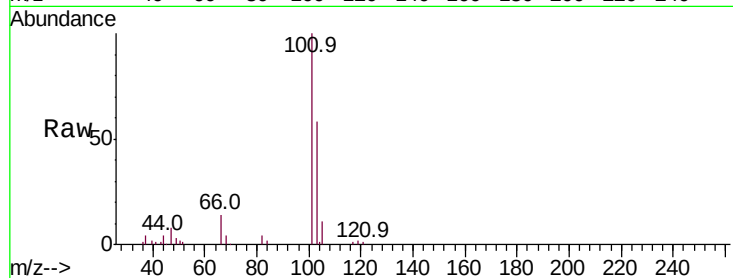


#7

Trichlorofluoromethane
Concen: 18.127 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :

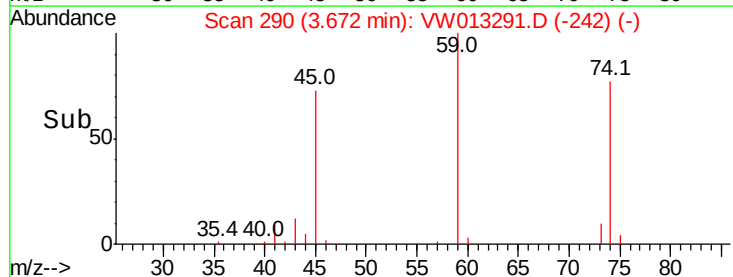
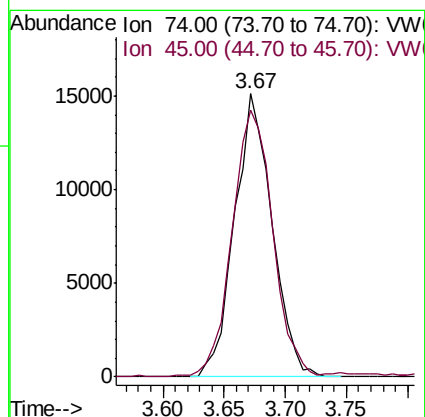
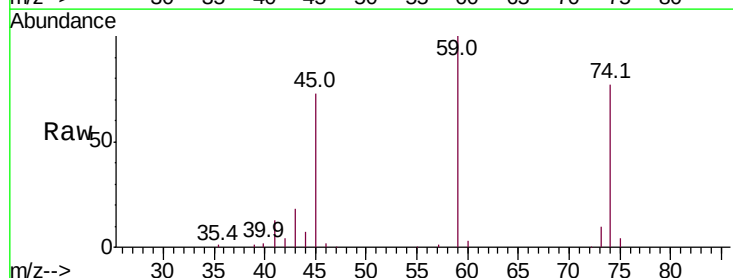
Tot Ion:101 Resp: 32583
Ion Ratio Lower Upper
101 100
103 58.0 49.7 74.5

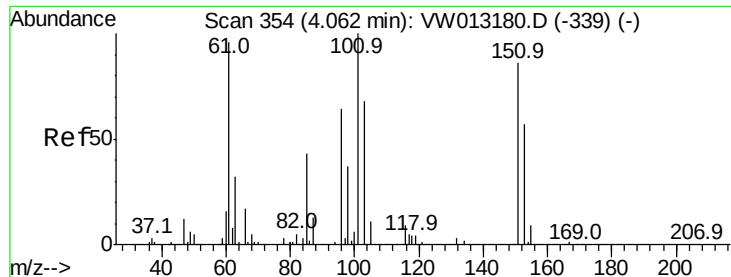


#8

Diethyl Ether
Concen: 20.923 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 74 Resp: 32123
Ion Ratio Lower Upper
74 100
45 102.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.326 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

ClientSampled :

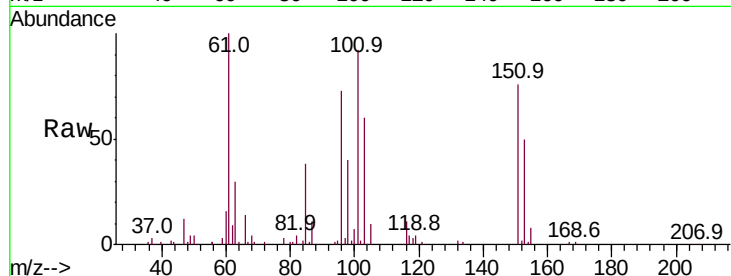
Tot Ion:101 Resp: 59483

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.0

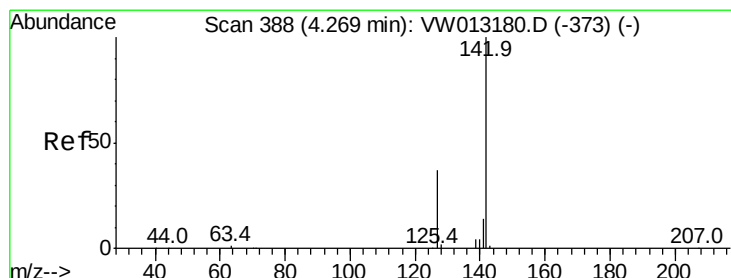
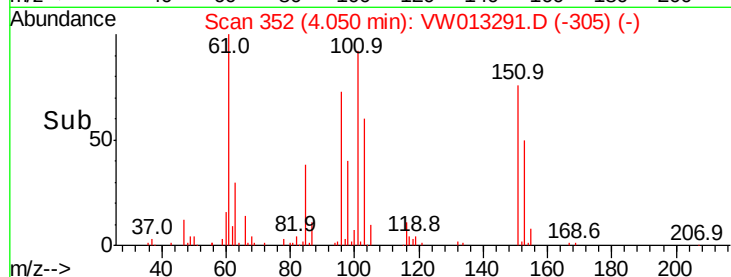
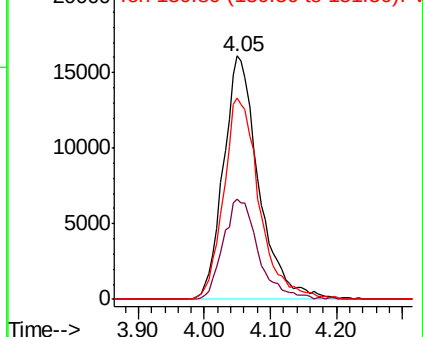
151 83.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.606 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

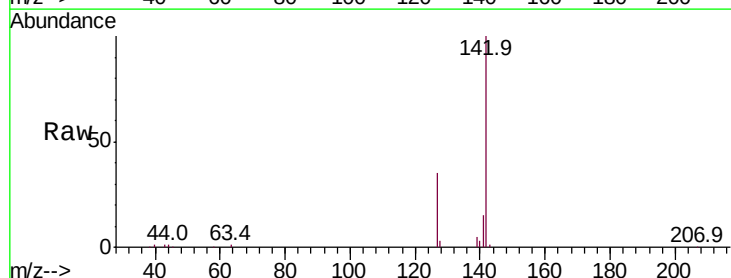
Tgt Ion:142 Resp: 88957

Ion Ratio Lower Upper

142 100

127 38.7 30.9 46.3

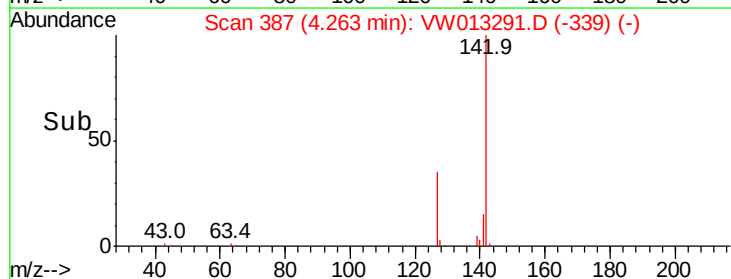
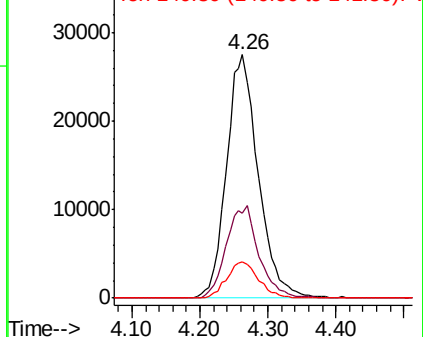
141 14.9 11.7 17.5

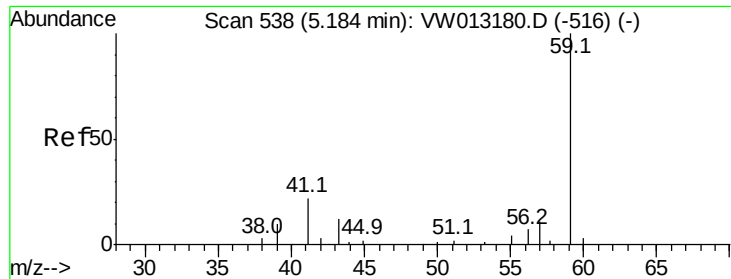


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

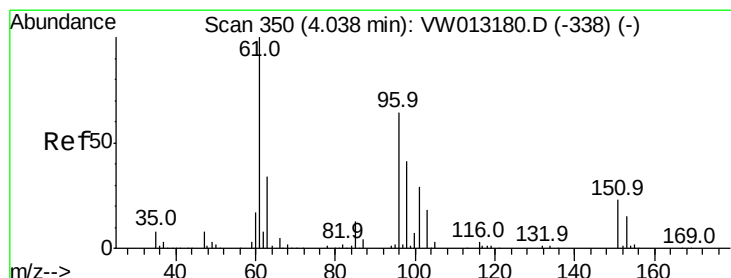
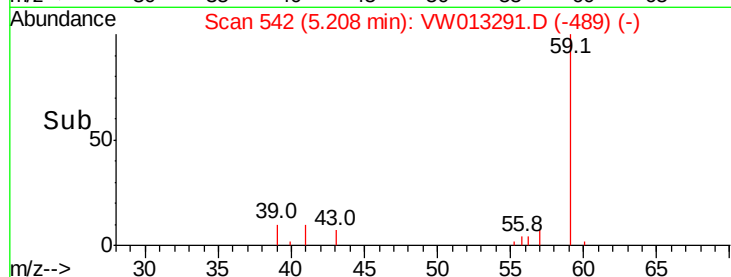
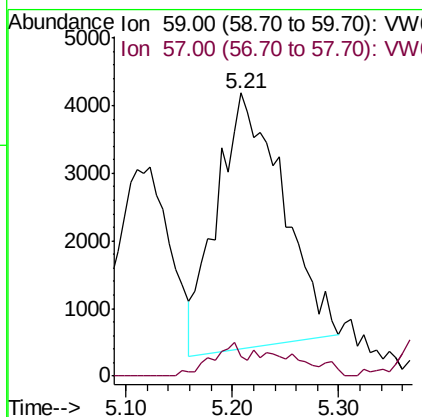
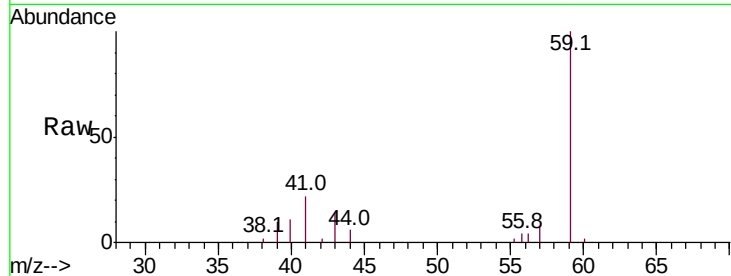




#11
Tert butyl alcohol
Concen: 78.013 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.02 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

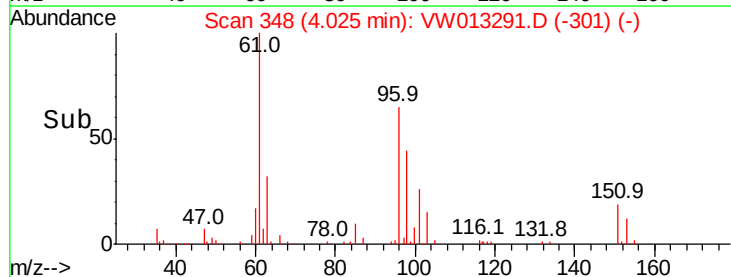
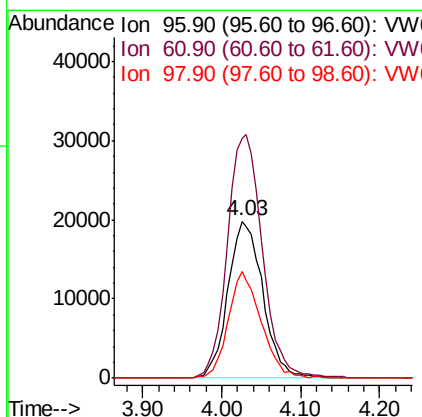
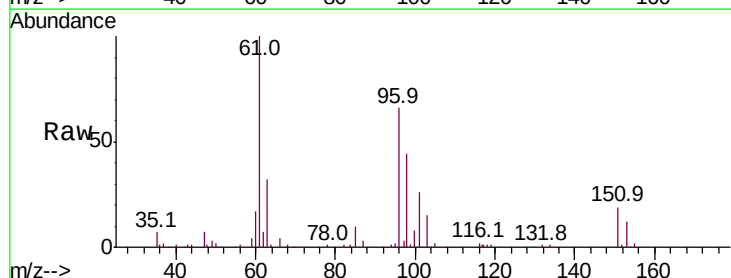
Instrument :
MSVOA_W
ClientSampleId :

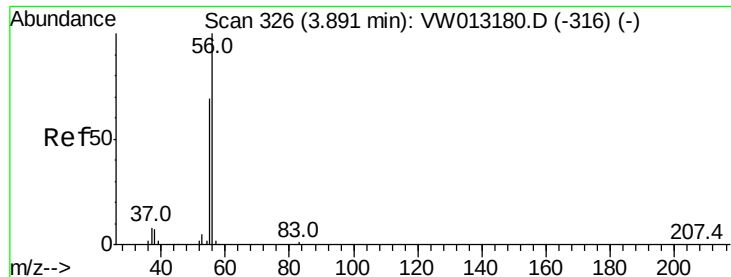
Tot Ion: 59 Resp: 16278
Ion Ratio Lower Upper
59 100
57 6.1 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 20.123 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 96 Resp: 60981
Ion Ratio Lower Upper
96 100
61 152.0 125.1 187.7
98 67.5 50.8 76.2





#13

Acrolein

Concen: 98.315 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

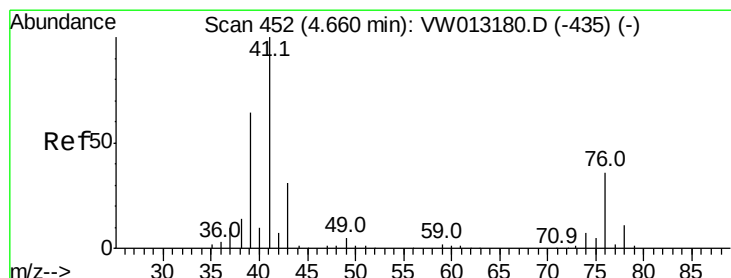
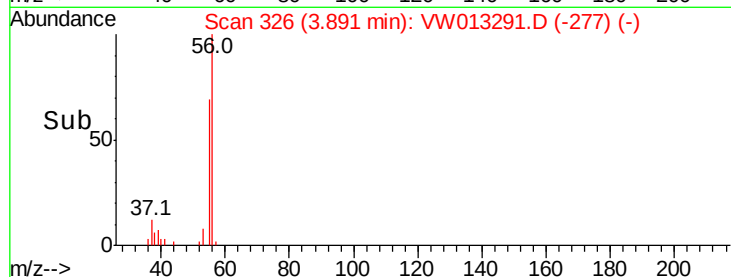
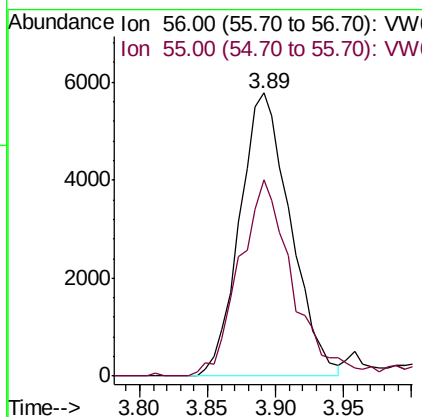
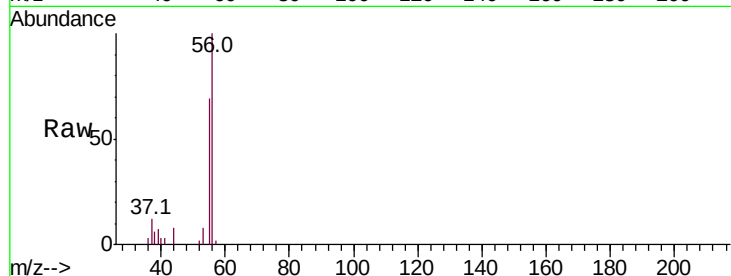
ClientSampleId :

Tot Ion: 56 Resp: 15062

Ion Ratio Lower Upper

56 100

55 72.1 55.4 83.0



#14

Allyl chloride

Concen: 20.462 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

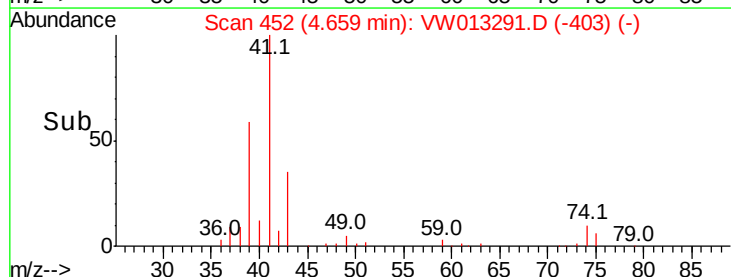
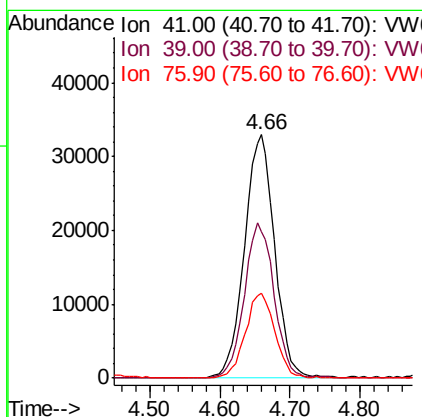
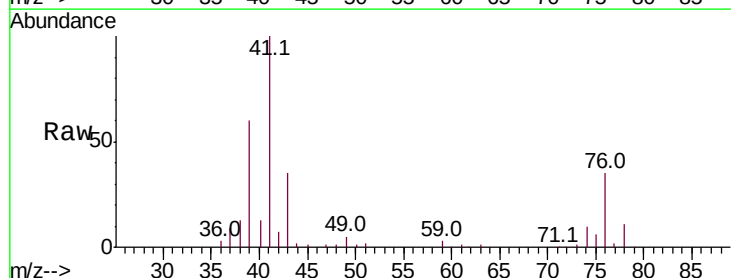
Tgt Ion: 41 Resp: 98684

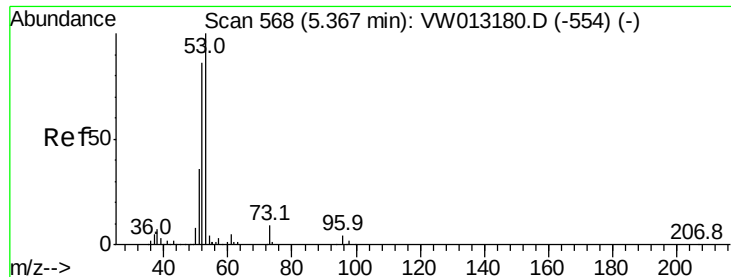
Ion Ratio Lower Upper

41 100

39 62.7 51.0 76.4

76 34.2 28.4 42.6





#15

Acrylonitrile

Concen: 114.232 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :

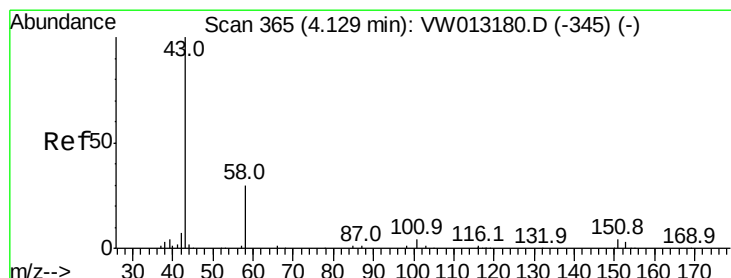
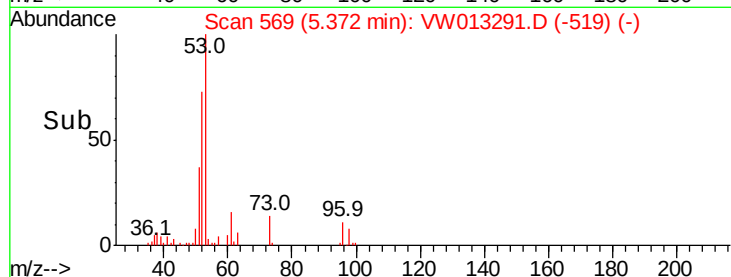
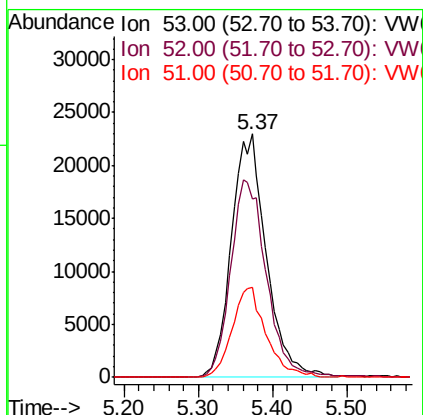
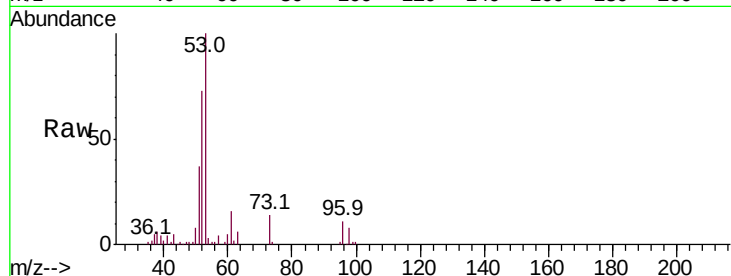
Tot Ion: 53 Resp: 75699

Ion Ratio Lower Upper

53 100

52 82.5 65.3 97.9

51 35.8 29.0 43.4



#16

Acetone

Concen: 105.988 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013291.D

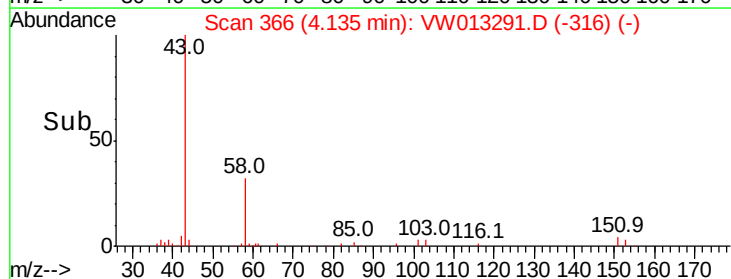
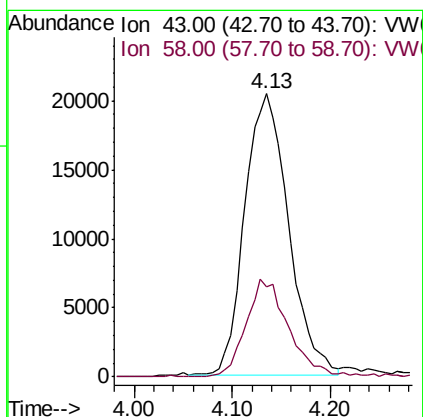
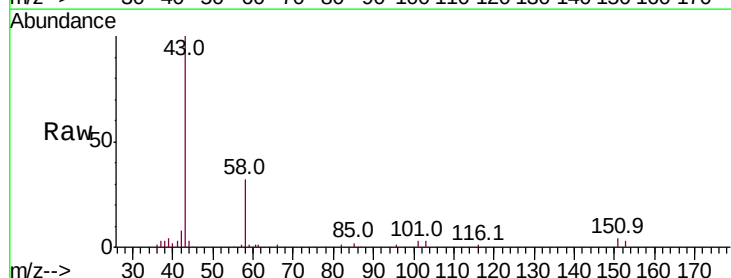
Acq: 25 Sep 2019 11:15

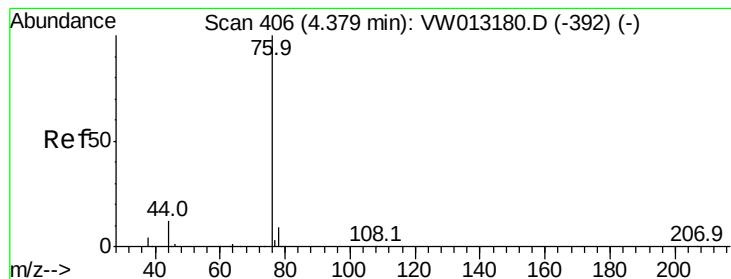
Tgt Ion: 43 Resp: 63610

Ion Ratio Lower Upper

43 100

58 31.8 24.1 36.1





#17

Carbon Disulfide

Concen: 18.994 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

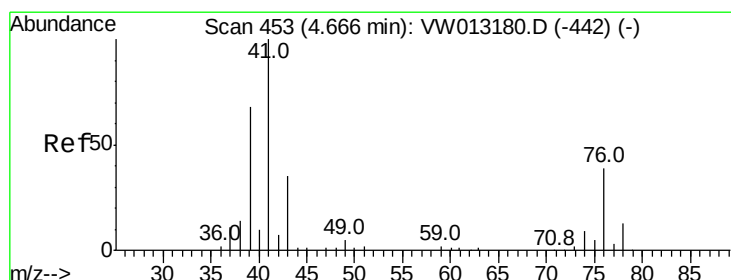
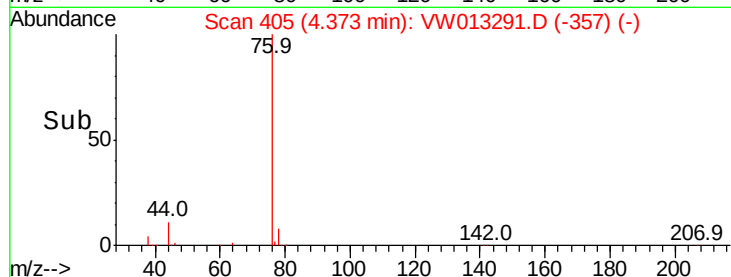
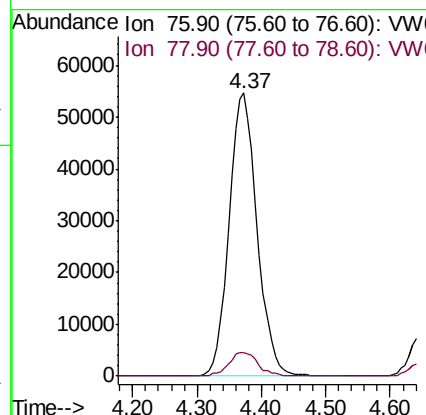
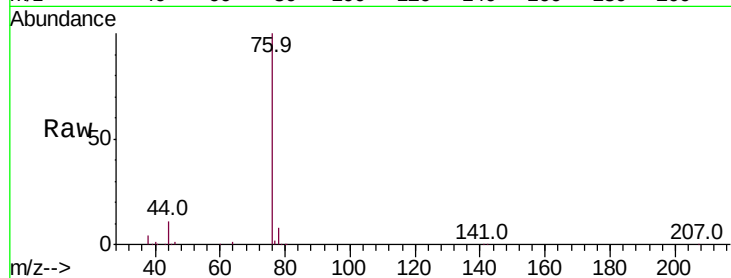
ClientSampled :

Tot Ion: 76 Resp: 166362

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.4



#18

Methyl Acetate

Concen: 22.900 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013291.D

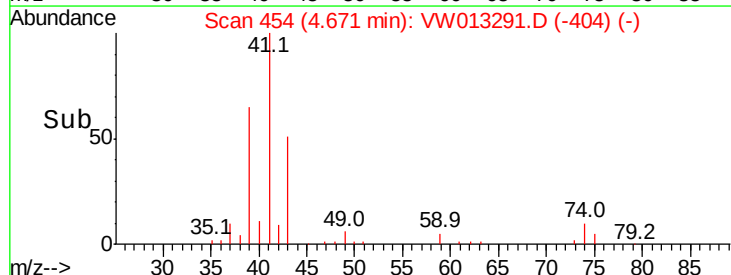
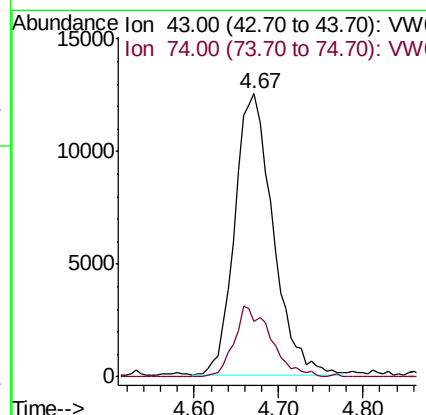
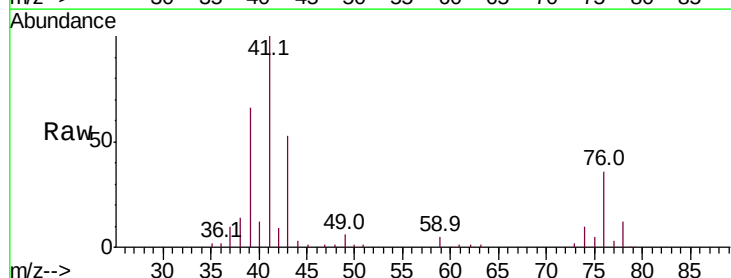
Acq: 25 Sep 2019 11:15

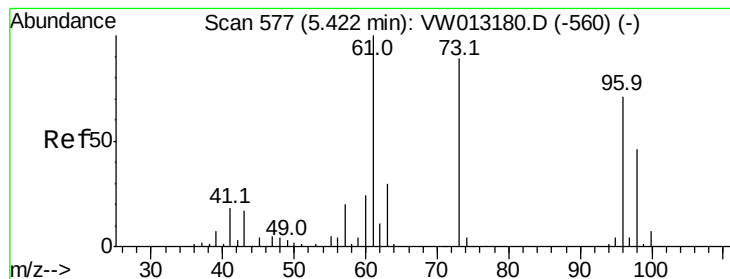
Tgt Ion: 43 Resp: 38634

Ion Ratio Lower Upper

43 100

74 23.9 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 21.303 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

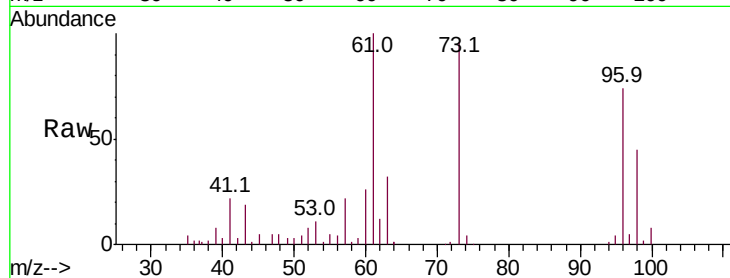
ClientSampled :

Tot Ion: 73 Resp: 98940

Ion Ratio Lower Upper

73 100

57 22.8 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.42

30000

25000

20000

15000

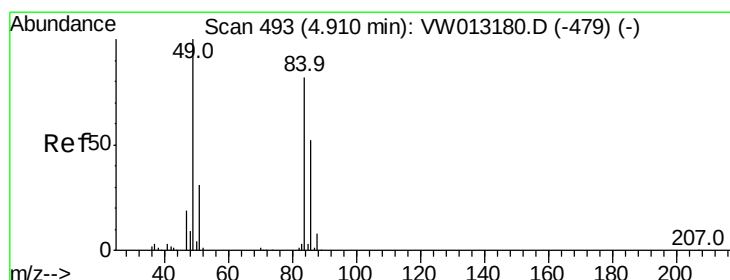
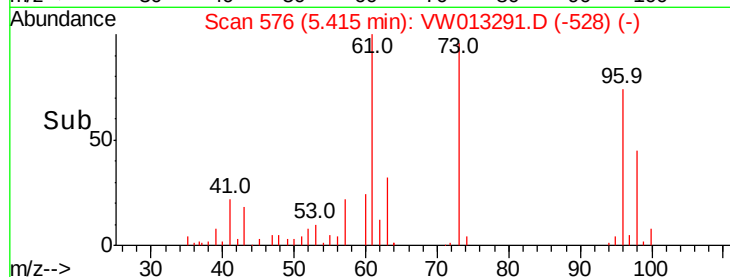
10000

5000

0

Time-->

5.30 5.40 5.50 5.60



#20

Methylene Chloride

Concen: 19.256 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Tgt Ion: 84 Resp: 64588

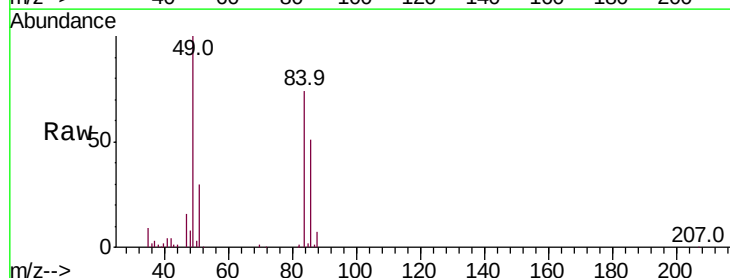
Ion Ratio Lower Upper

84 100

49 135.3 97.6 146.4

51 41.2 30.2 45.2

86 69.1 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.90

30000

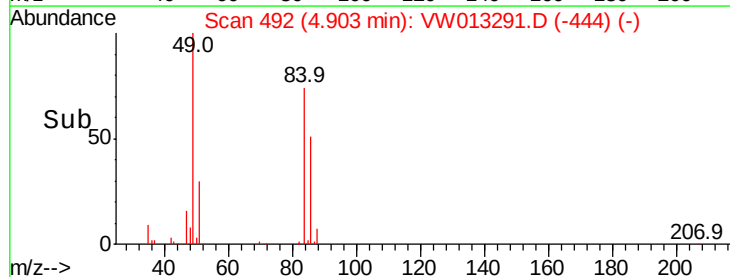
20000

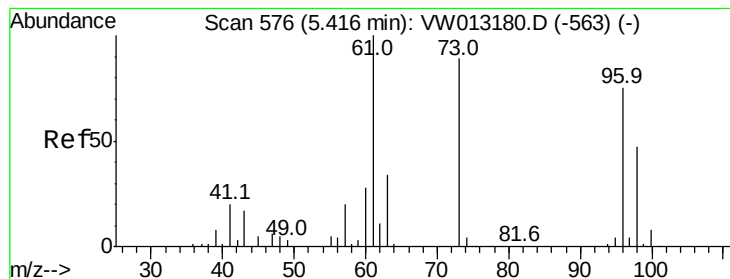
10000

0

Time-->

4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 20.115 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :

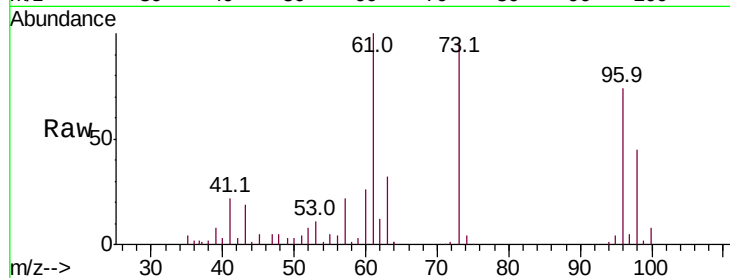
Tot Ion: 96 Resp: 65884

Ion Ratio Lower Upper

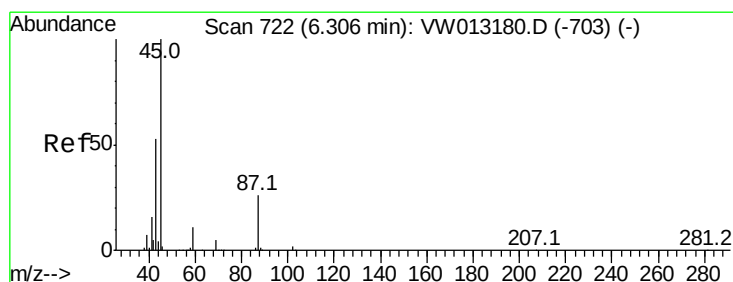
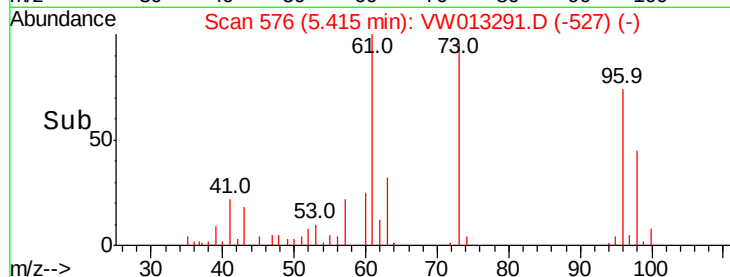
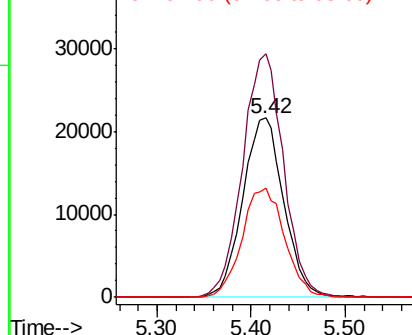
96 100

61 135.7 106.6 159.8

98 61.1 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: 20.534 ug/l

RT: 6.30 min Scan# 721

Delta R.T. -0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Tgt Ion: 45 Resp: 188316

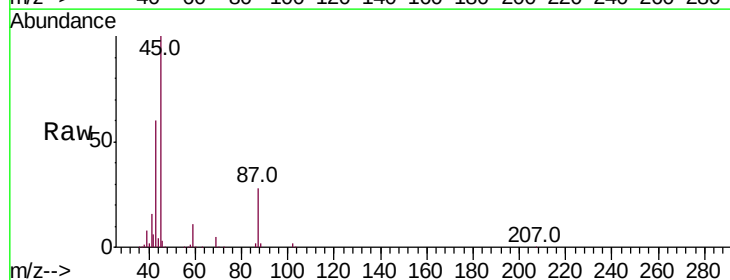
Ion Ratio Lower Upper

45 100

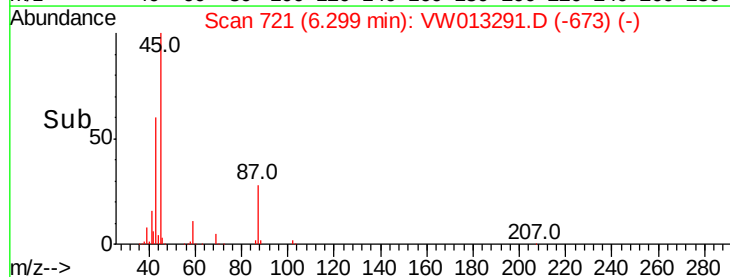
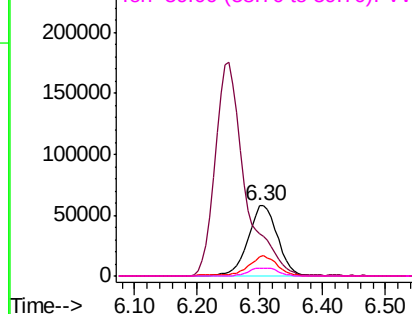
43 59.3 42.4 63.6

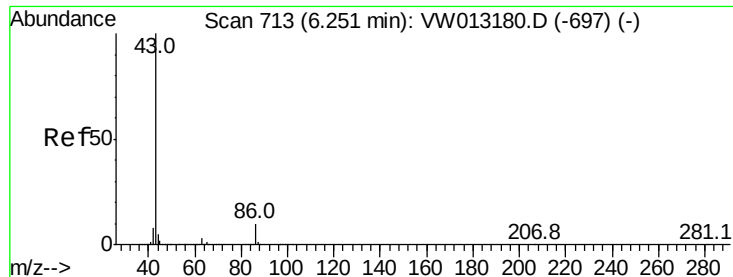
87 28.1 20.4 30.6

59 11.4 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: 106.245 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

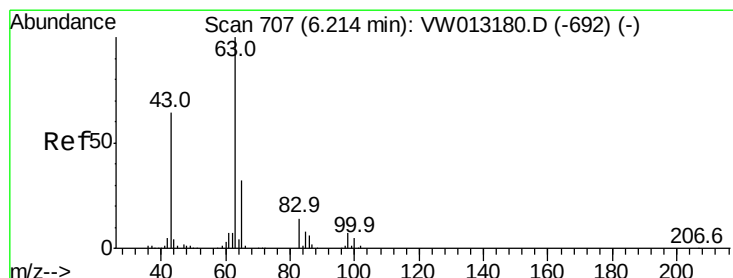
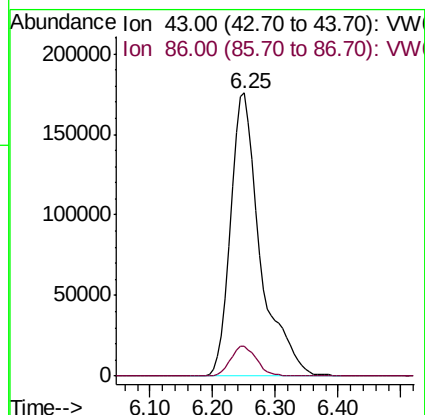
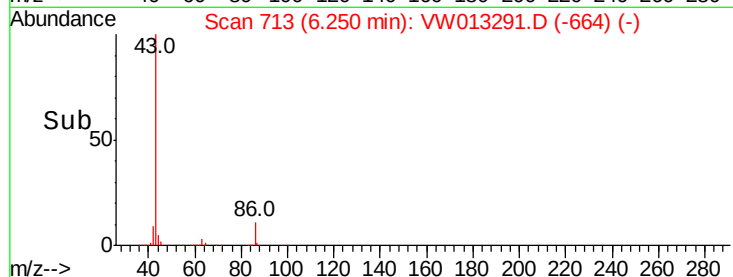
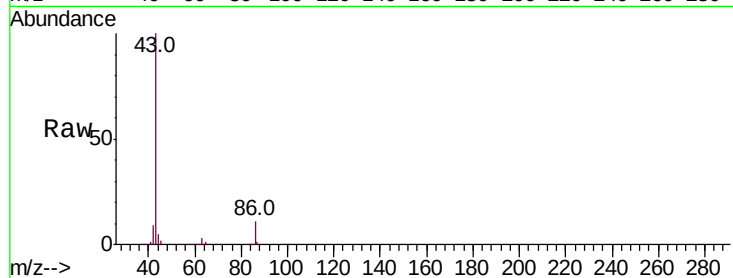
ClientSampleId :

Tot Ion: 43 Resp: 578055

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.911 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

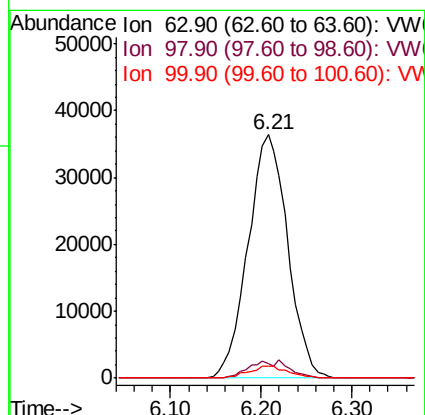
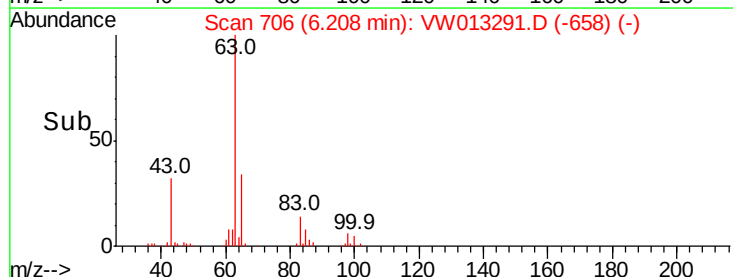
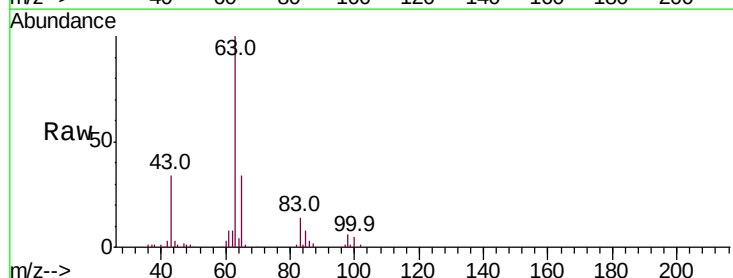
Tgt Ion: 63 Resp: 110187

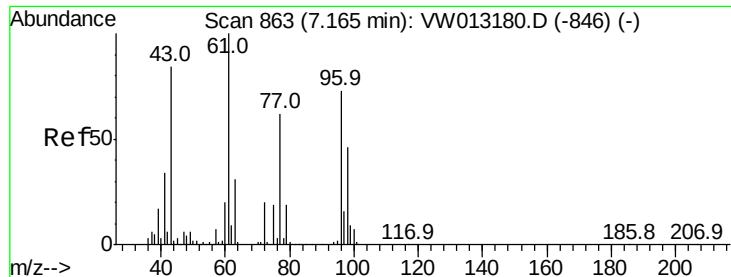
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 111.118 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

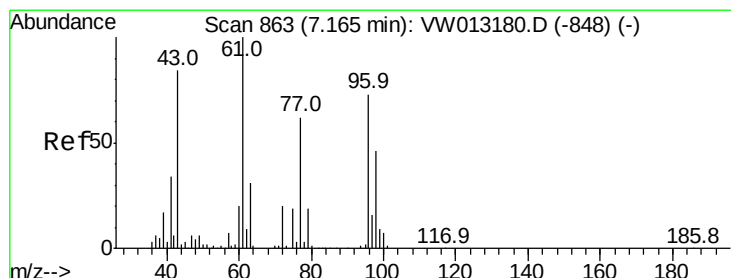
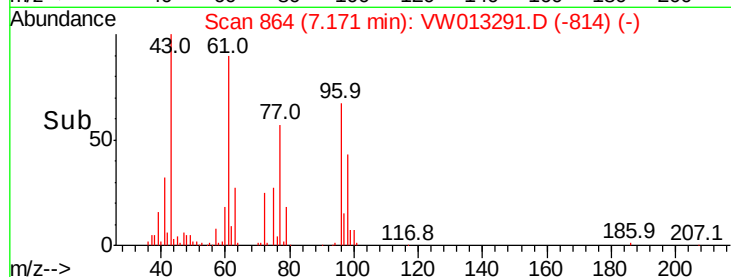
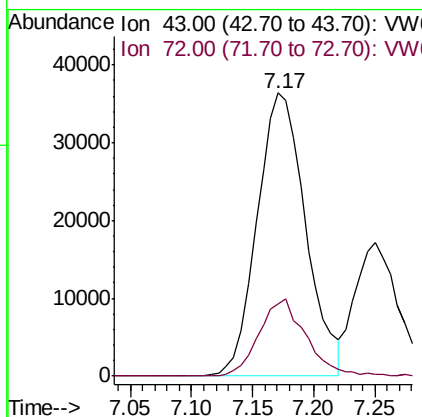
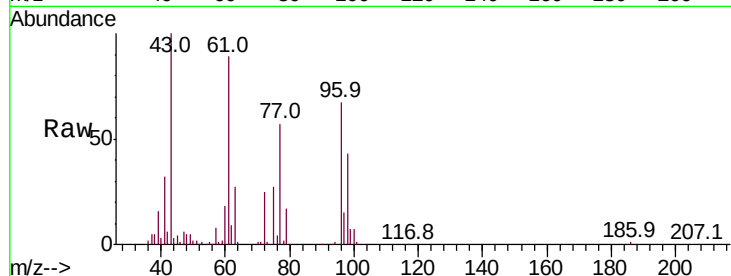
ClientSampled :

Tot Ion: 43 Resp: 100111

Ion Ratio Lower Upper

43 100

72 25.3 19.4 29.0



#26

2,2-Dichloropropane

Concen: 19.213 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013291.D

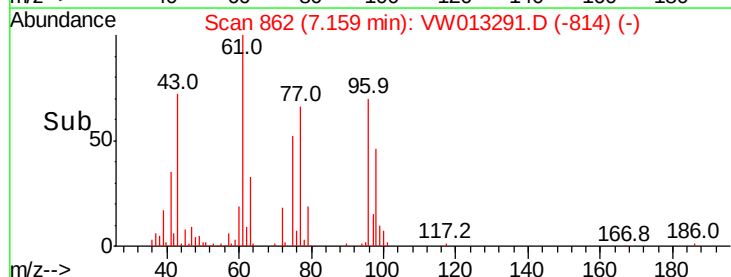
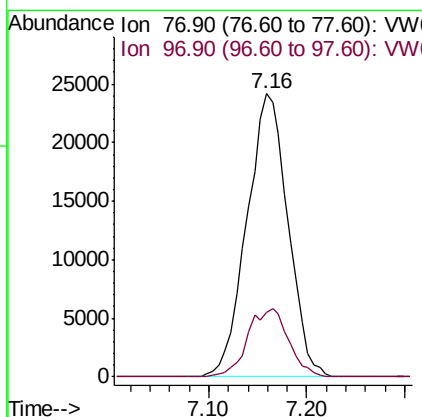
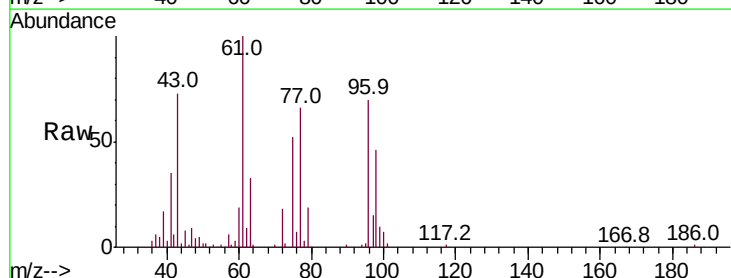
Acq: 25 Sep 2019 11:15

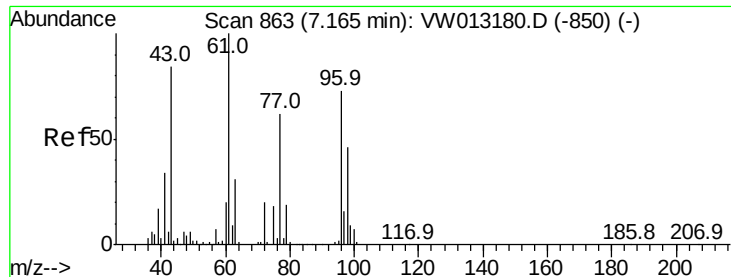
Tgt Ion: 77 Resp: 70411

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.4



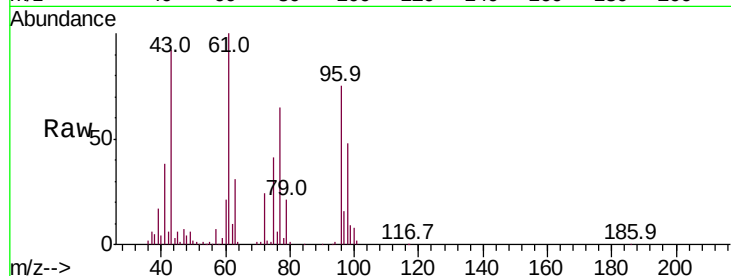


#27

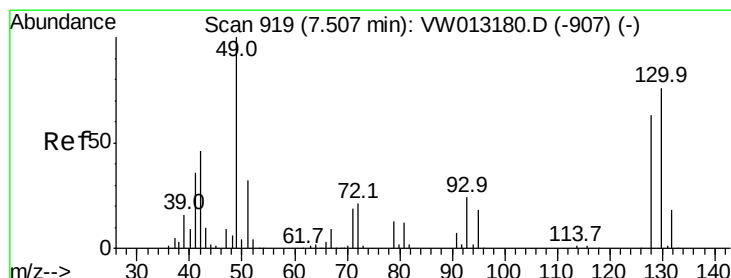
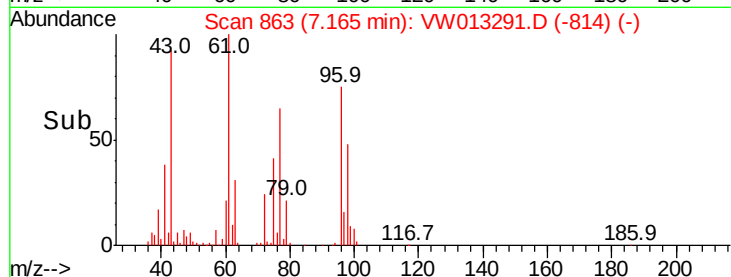
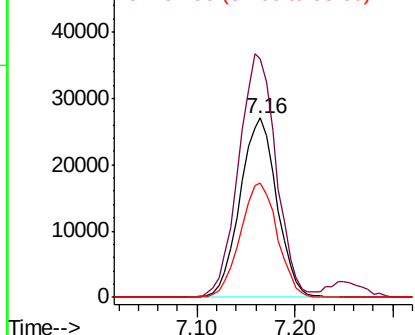
cis-1,2-Dichloroethene
Concen: 20.469 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 70752
Ion Ratio Lower Upper
96 100
61 137.6 0.0 282.4
98 64.2 0.0 128.2



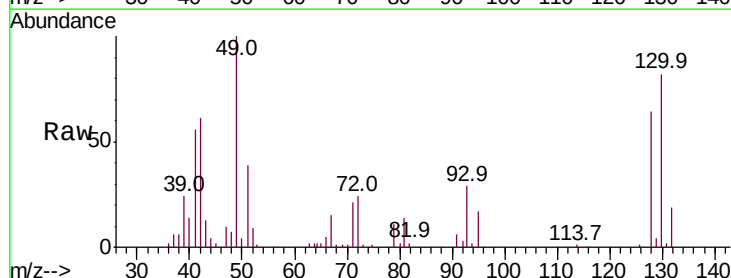
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



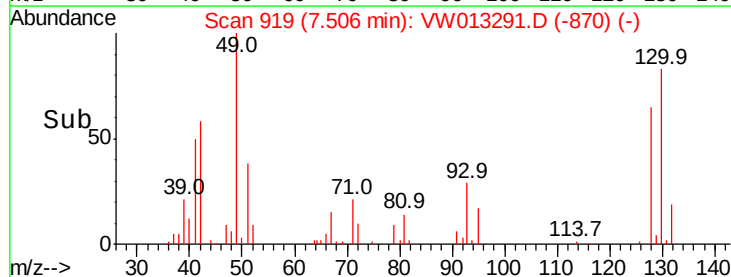
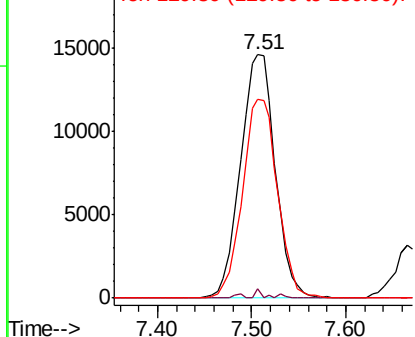
#28

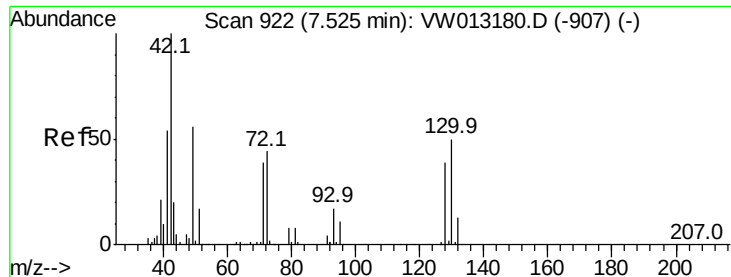
Bromochloromethane
Concen: 17.773 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 49 Resp: 37749
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.0
130 82.1 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

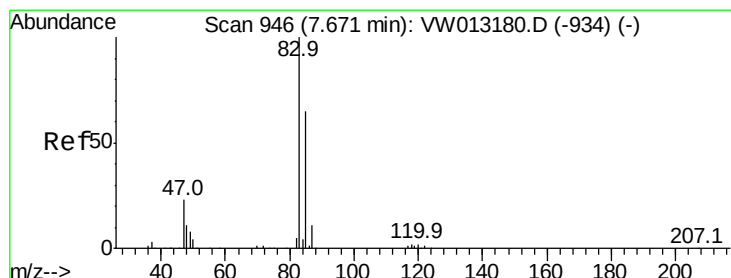
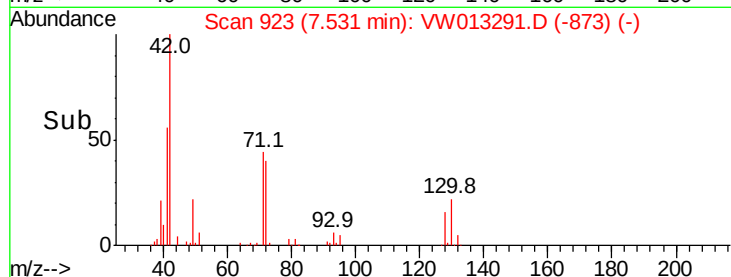
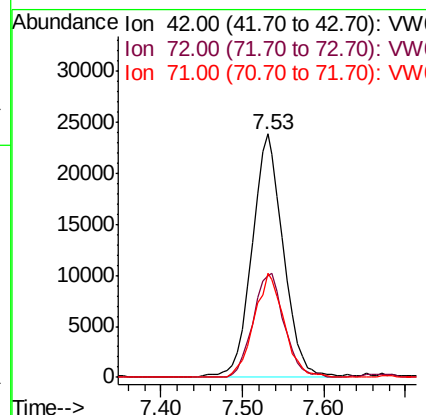
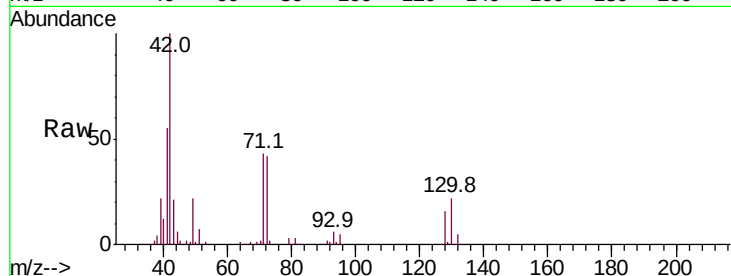




#29
Tetrahydrofuran
Concen: 115.638 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

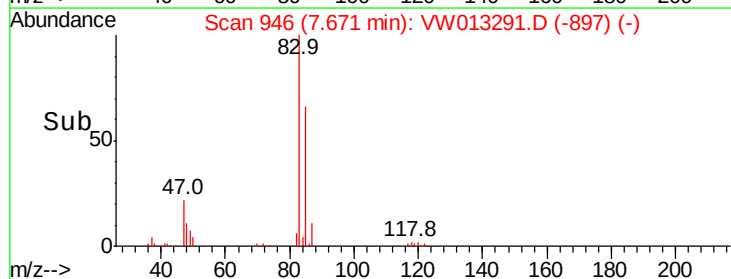
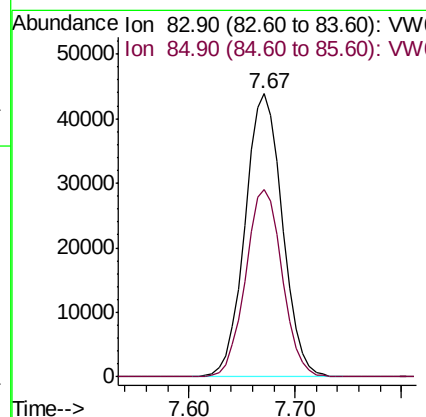
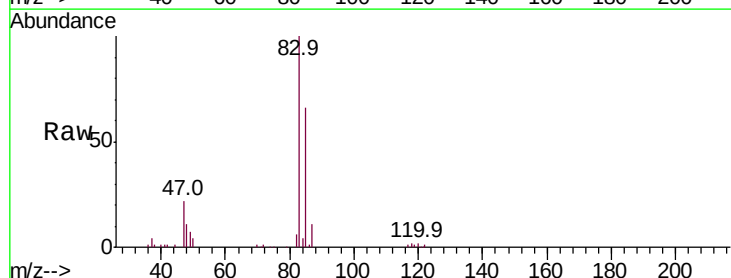
Instrument :
MSVOA_W
ClientSampled :

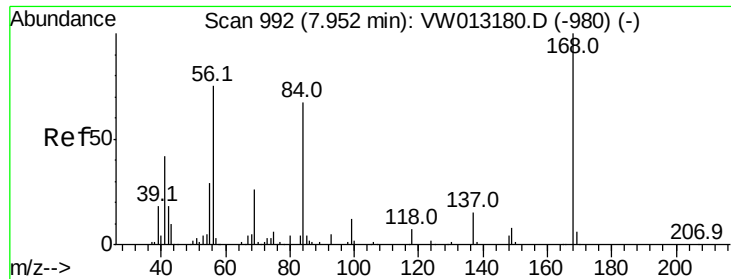
Tot Ion: 42 Resp: 63892
Ion Ratio Lower Upper
42 100
72 42.9 33.9 50.9
71 41.1 31.9 47.9



#30
Chloroform
Concen: 19.925 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 83 Resp: 107958
Ion Ratio Lower Upper
83 100
85 66.1 52.3 78.5





#31

Cyclohexane

Concen: 20.359 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampled :

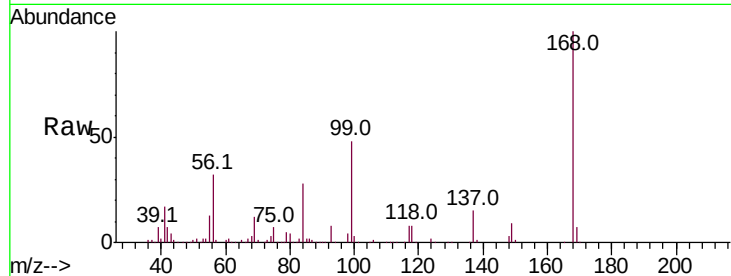
Tot Ion: 56 Resp: 117444

Ion Ratio Lower Upper

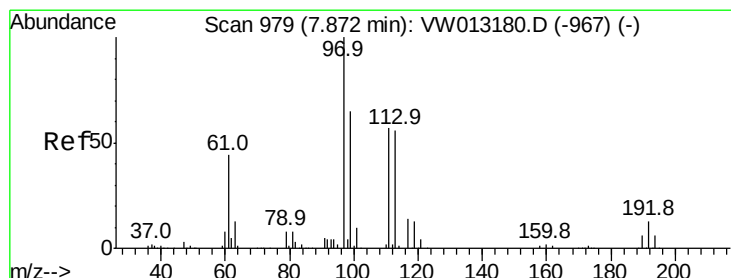
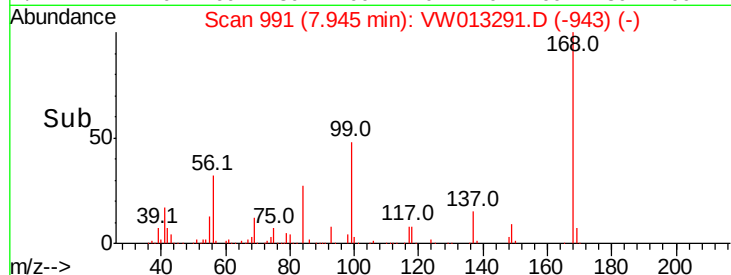
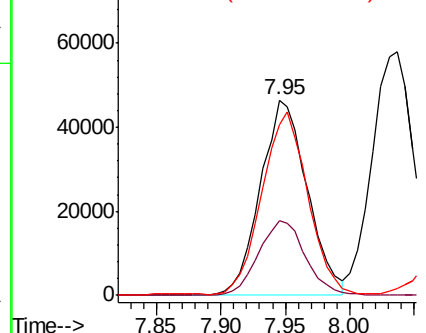
56 100

69 38.0 27.2 40.8

84 86.3 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: 20.311 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

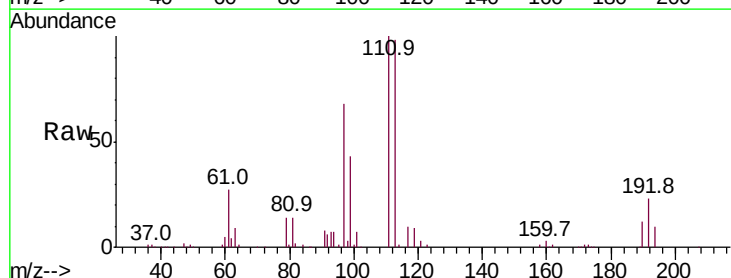
Tgt Ion: 97 Resp: 89130

Ion Ratio Lower Upper

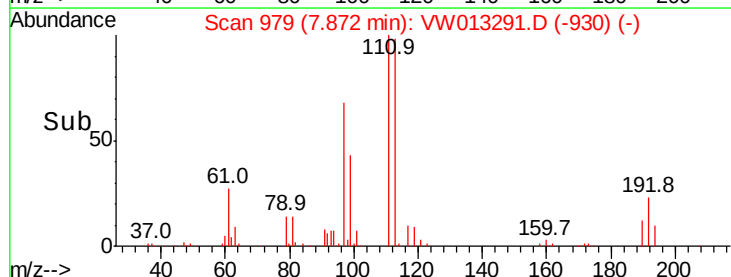
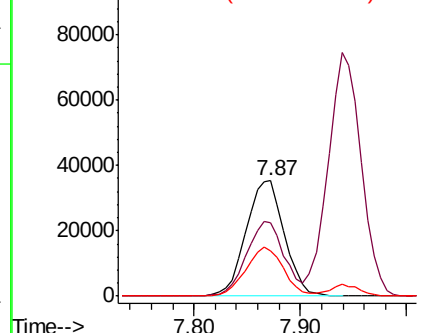
97 100

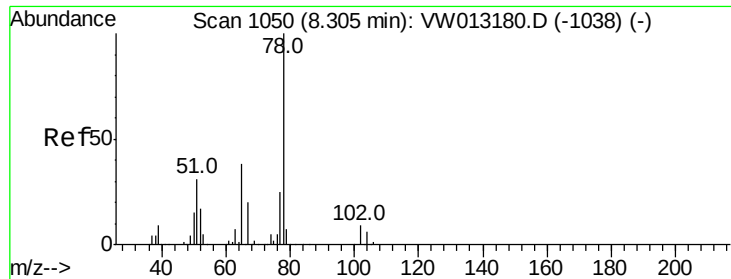
99 64.2 51.7 77.5

61 42.3 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

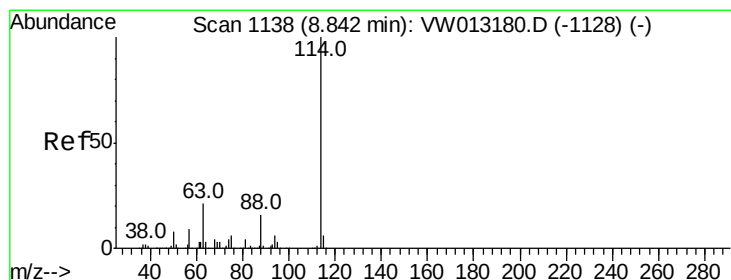
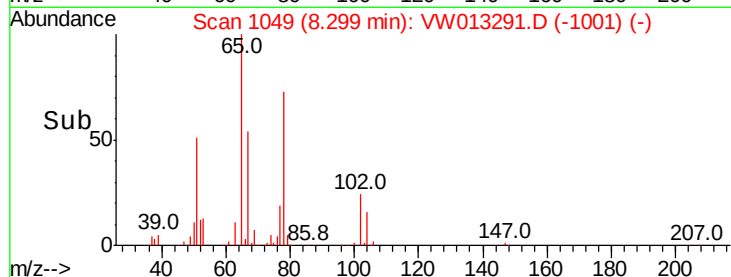
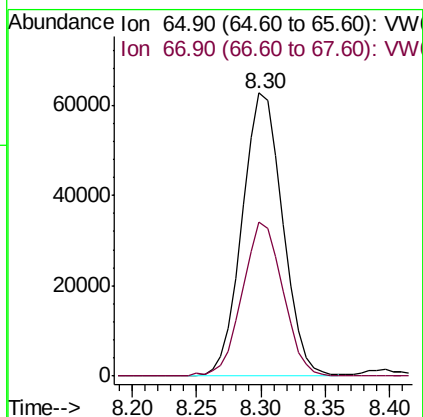
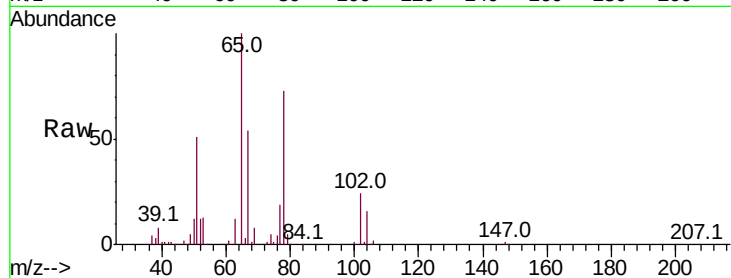




#33
 1,2-Dichloroethane-d4
 Concen: 51.274 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

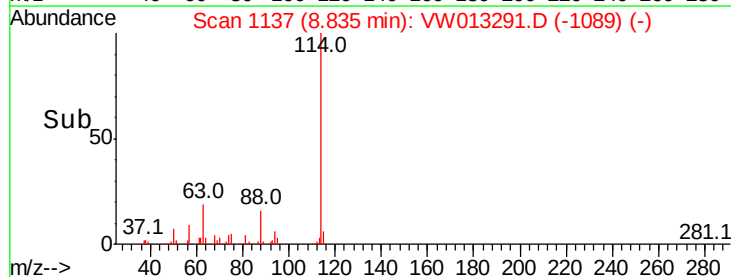
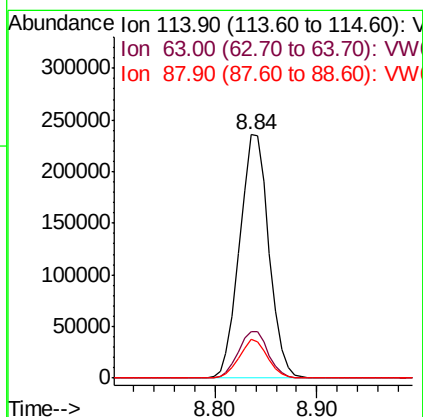
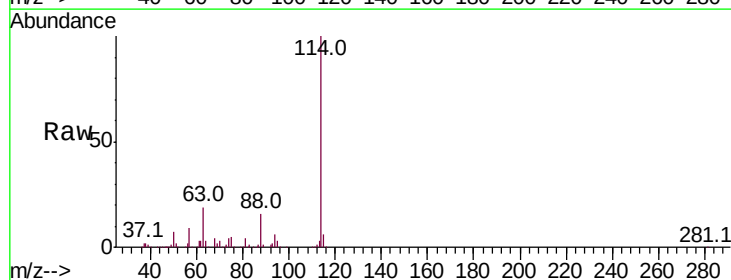
Instrument :
 MSVOA_W
 ClientSampleId :

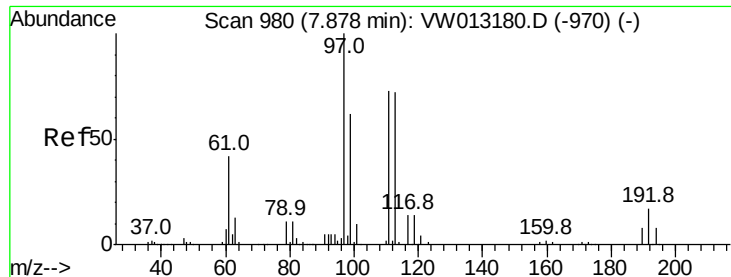
Tot Ion: 65 Resp: 136458
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

Tgt Ion: 114 Resp: 471047
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.7 0.0 32.0

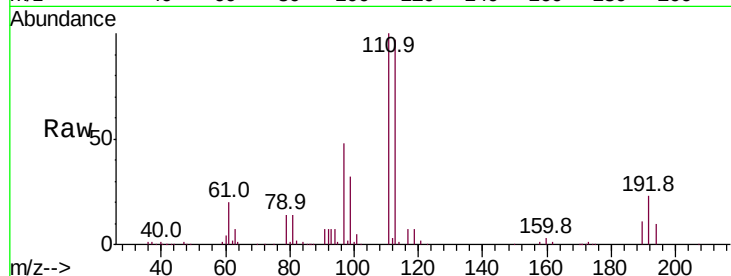




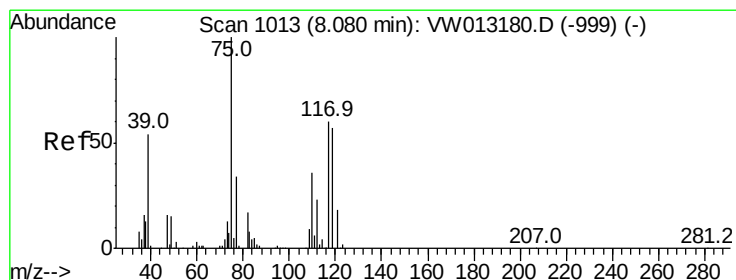
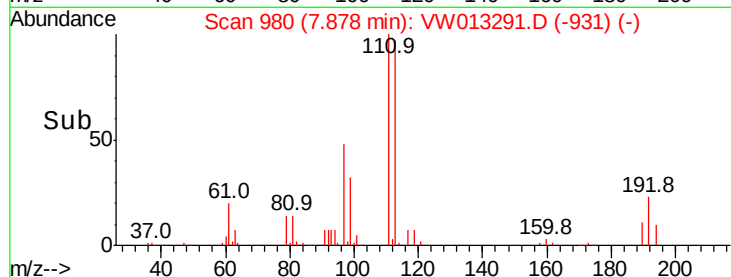
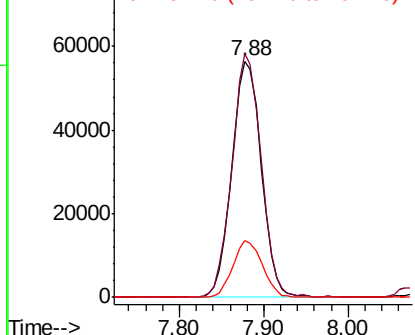
#35
 Dibromofluoromethane
 Concen: 51.560 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	23.8	19.1	28.7

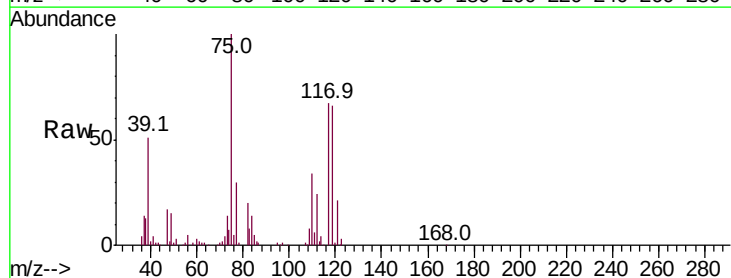


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

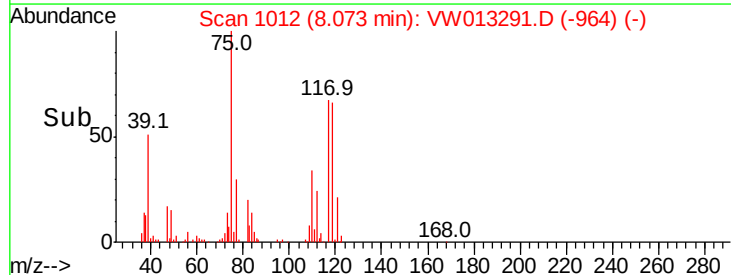
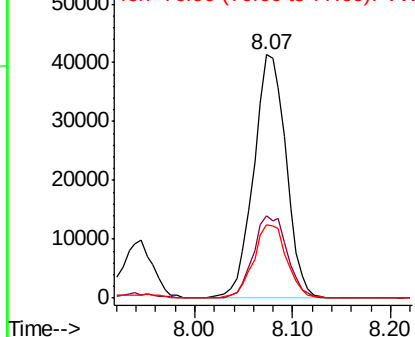


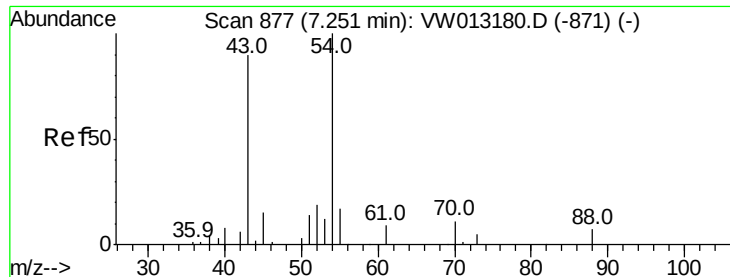
#36
 1,1-Dichloropropene
 Concen: 20.846 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.1	54.3
77	30.9	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

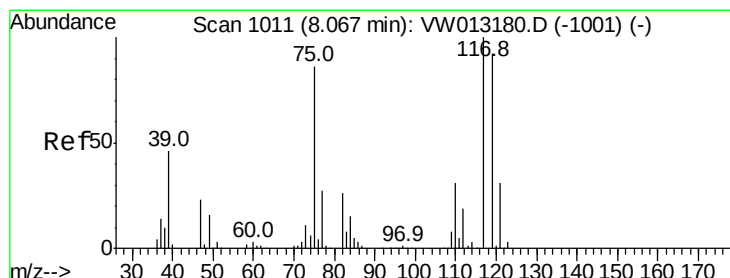
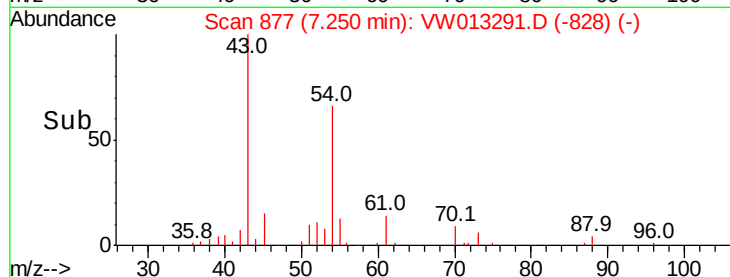
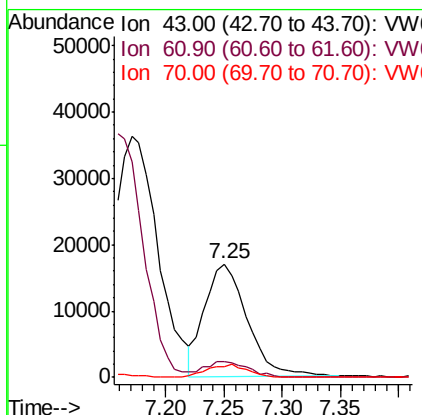
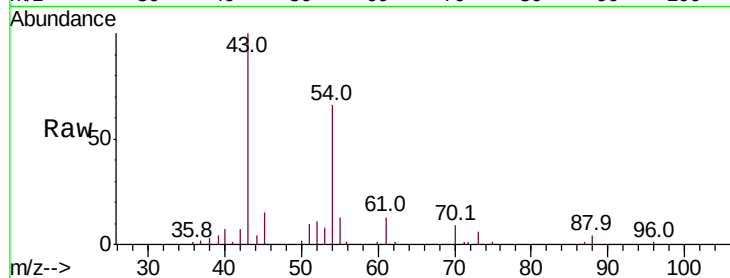




#37
Ethyl Acetate
Concen: 22.061 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

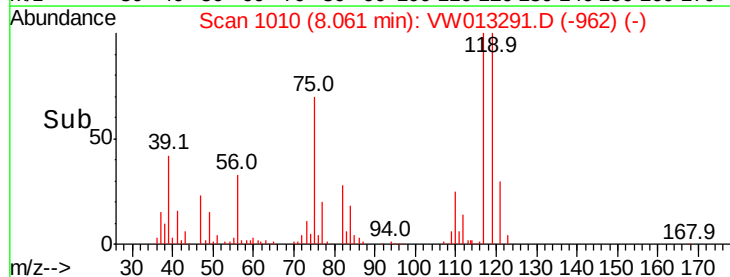
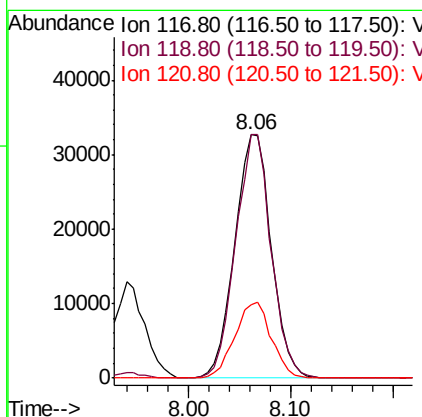
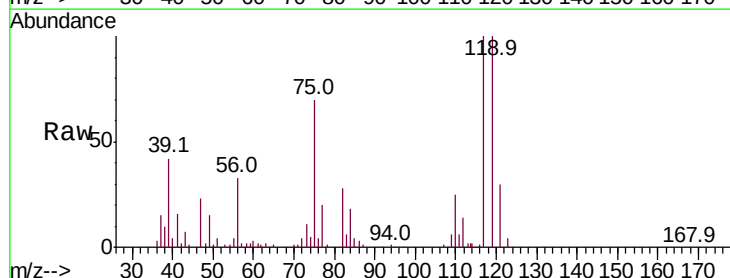
Instrument :
MSVOA_W
ClientSampled :

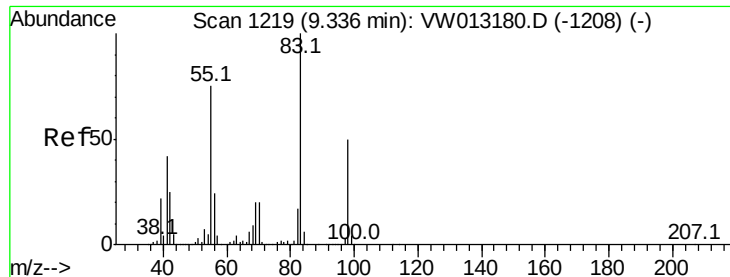
Tot Ion: 43 Resp: 42778
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 11.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.855 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 117 Resp: 81207
Ion Ratio Lower Upper
117 100
119 100.0 73.5 110.3
121 30.3 25.0 37.6

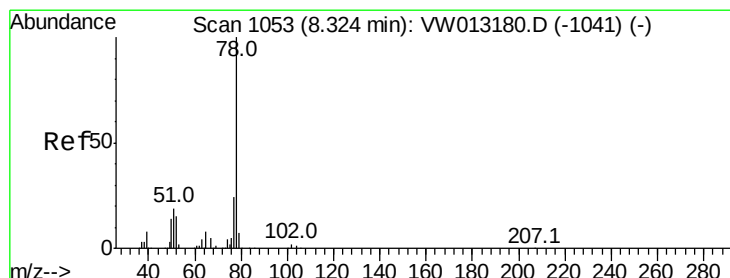
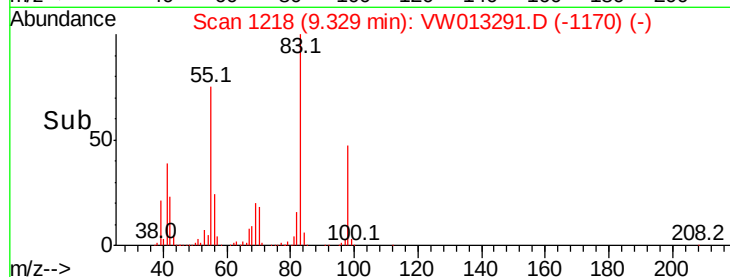
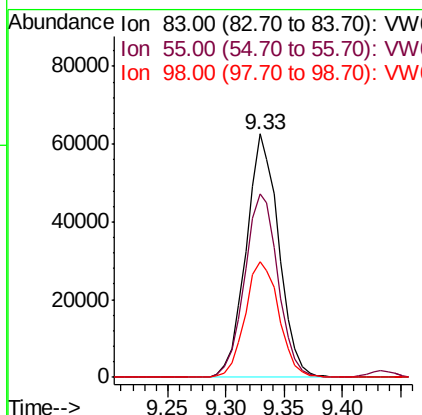
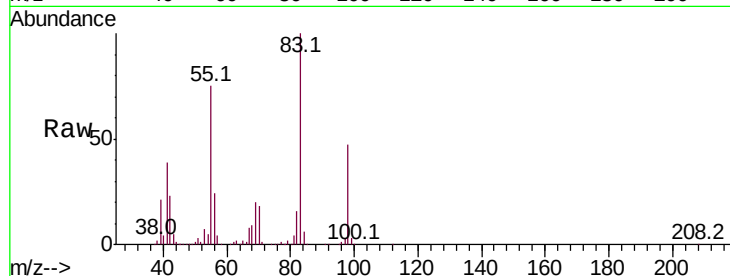




#39
Methylvlcyclohexane
Concen: 20.822 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

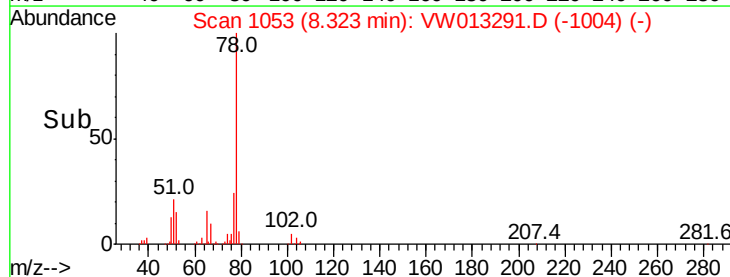
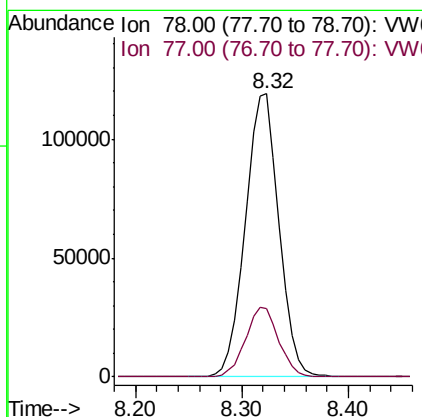
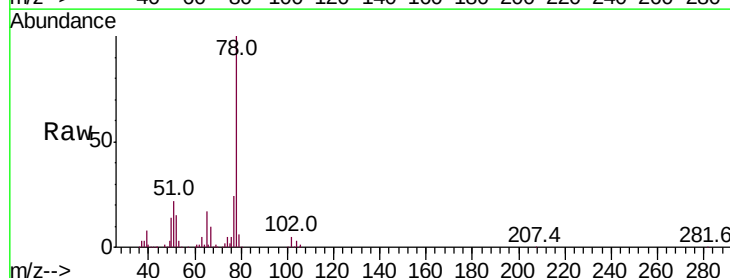
Instrument :
MSVOA_W
ClientSampleId :

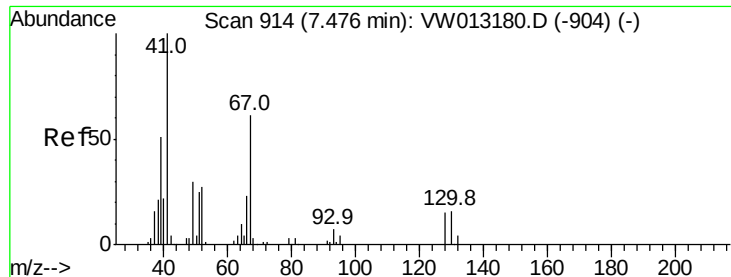
Tot Ion: 83 Resp: 122081
Ion Ratio Lower Upper
83 100
55 75.2 60.4 90.6
98 47.3 40.0 60.0



#40
Benzene
Concen: 20.720 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 78 Resp: 263676
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

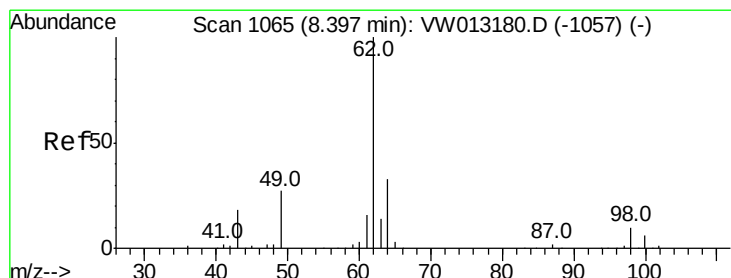
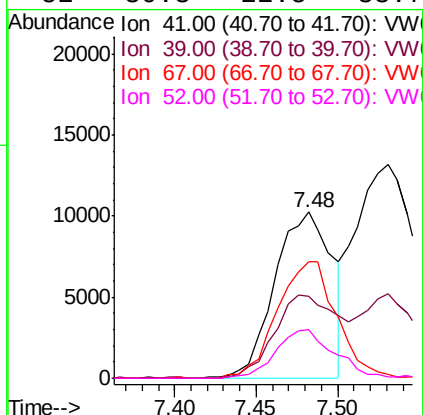
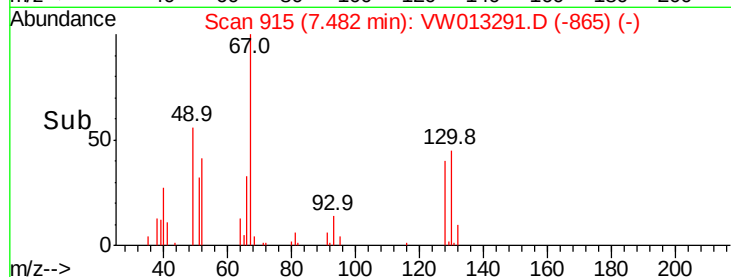
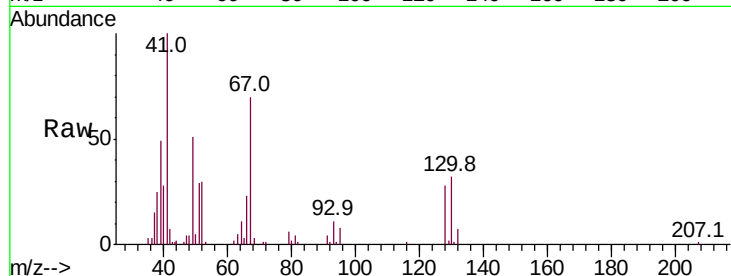




#41
Methacrylonitrile
Concen: 21.604 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

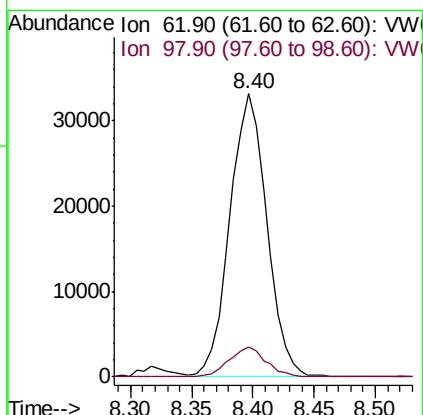
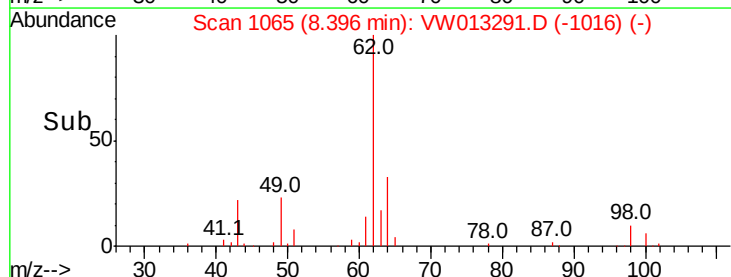
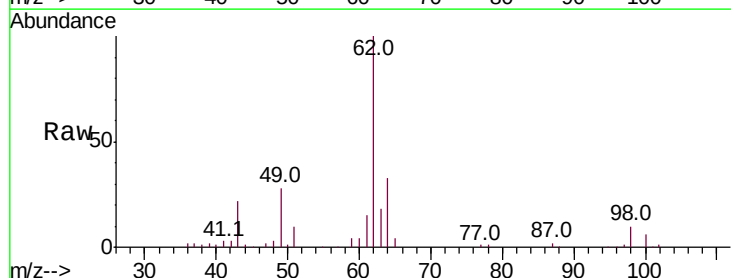
Instrument :
MSVOA_W
ClientSampleId :

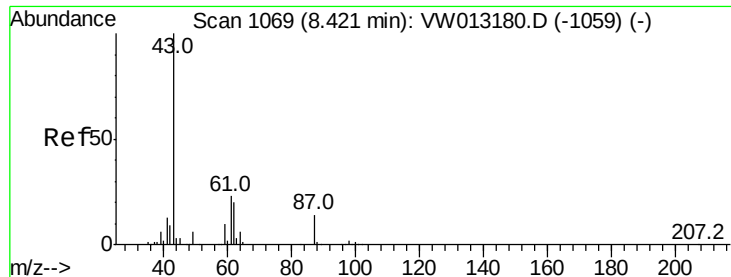
Tot Ion:	41	Resp:	25002
Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.9	68.9
67	73.0	54.5	81.7
52	30.3	22.5	33.7



#42
1,2-Dichloroethane
Concen: 20.336 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion:	62	Resp:	69568
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 21.382 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

ClientSampled :

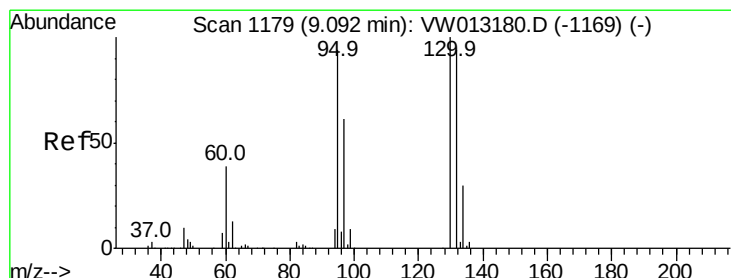
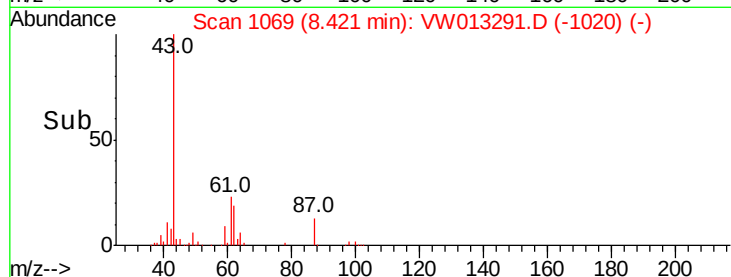
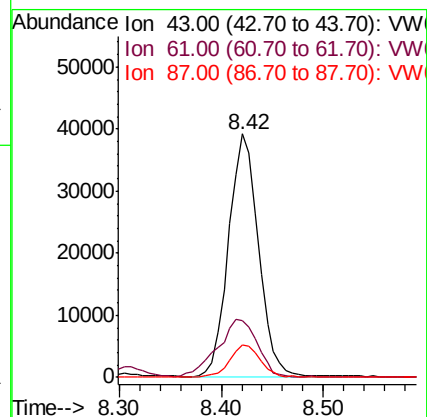
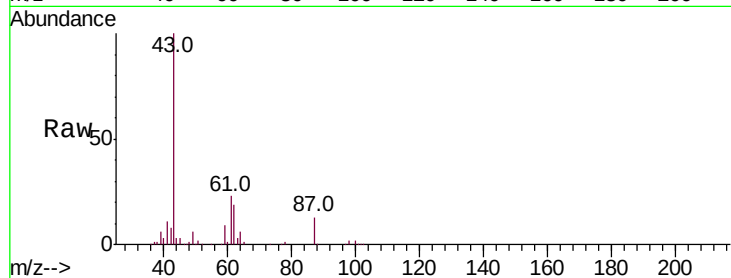
Tot Ion: 43 Resp: 79463

Ion Ratio Lower Upper

43 100

61 31.9 25.5 38.3

87 13.7 11.0 16.4



#44

Trichloroethene

Concen: 20.540 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013291.D

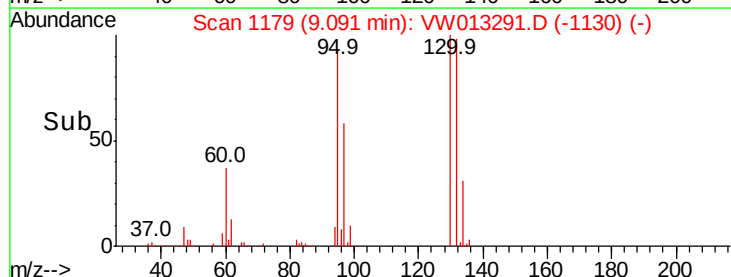
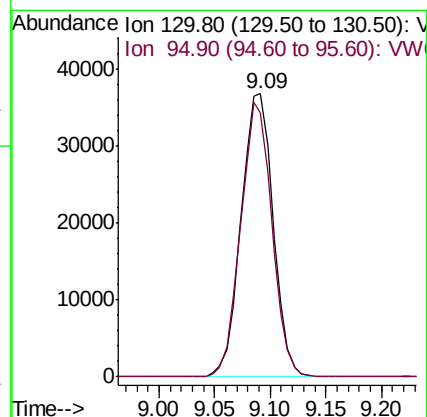
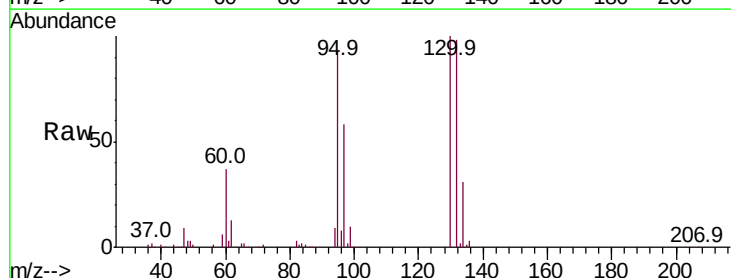
Acq: 25 Sep 2019 11:15

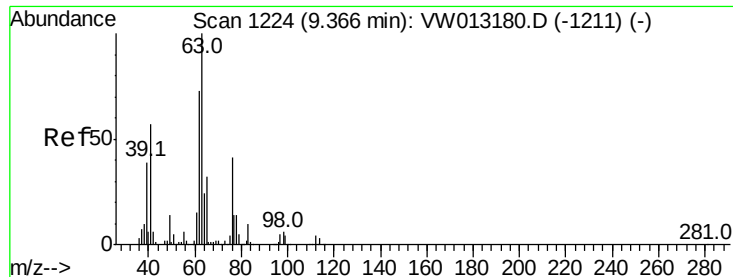
Tgt Ion: 130 Resp: 73340

Ion Ratio Lower Upper

130 100

95 93.1 0.0 188.0





#45

1,2-Dichloropropane

Concen: 20.331 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

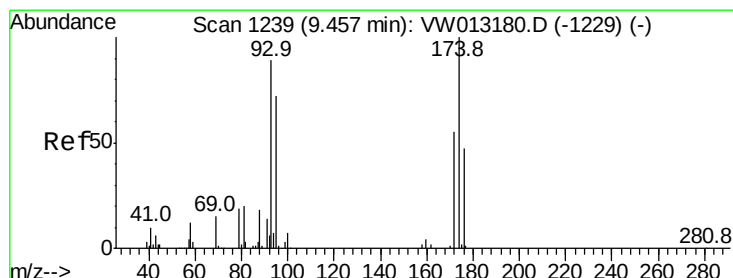
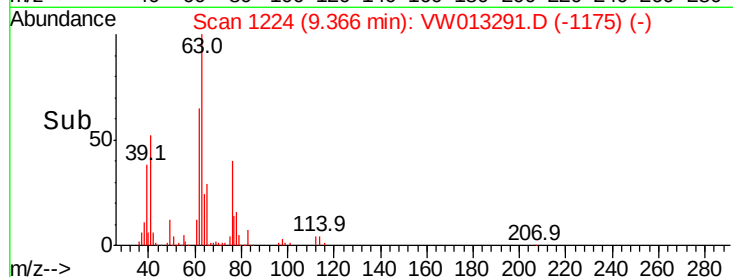
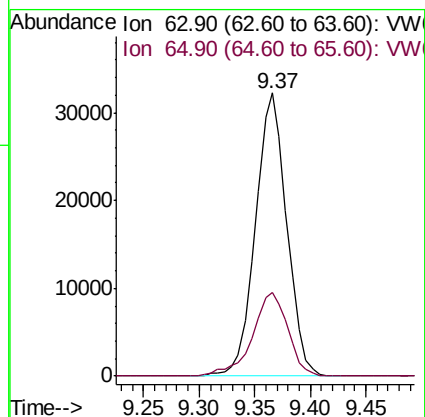
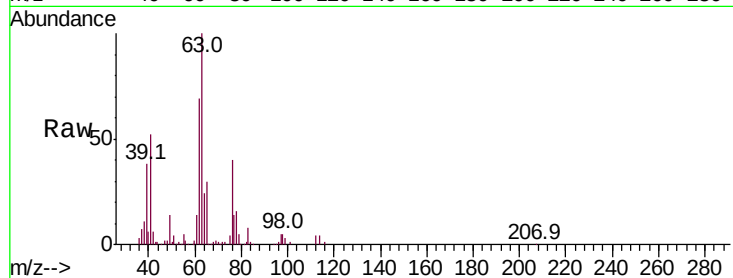
ClientSampleId :

Tot Ion: 63 Resp: 63168

Ion Ratio Lower Upper

63 100

65 29.7 25.3 37.9



#46

Dibromomethane

Concen: 21.280 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

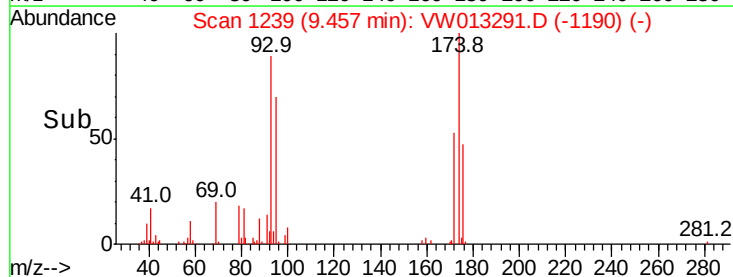
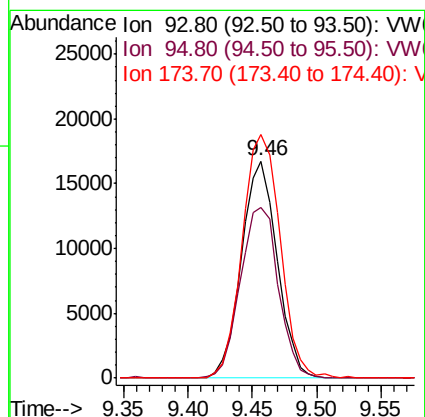
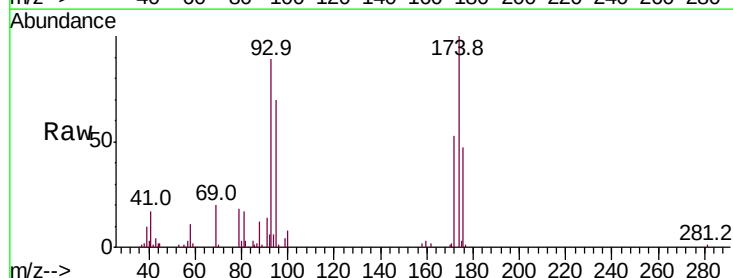
Tgt Ion: 93 Resp: 32099

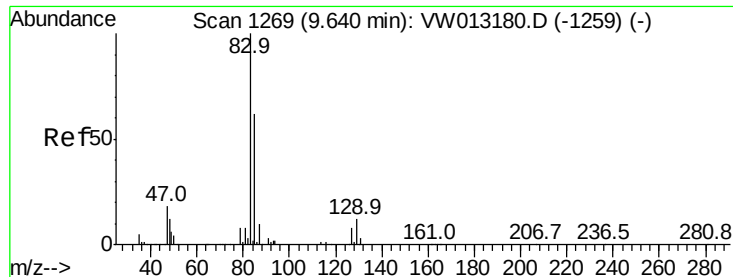
Ion Ratio Lower Upper

93 100

95 83.9 66.4 99.6

174 119.4 93.0 139.6





#47

Bromodichloromethane

Concen: 19.884 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

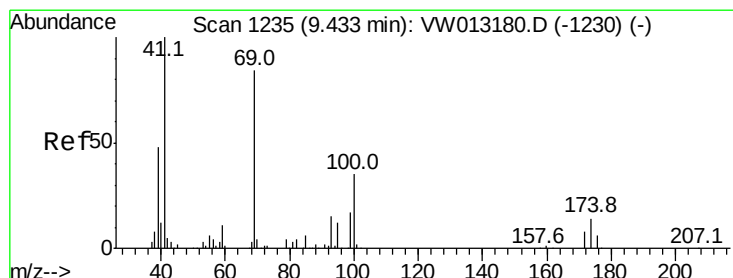
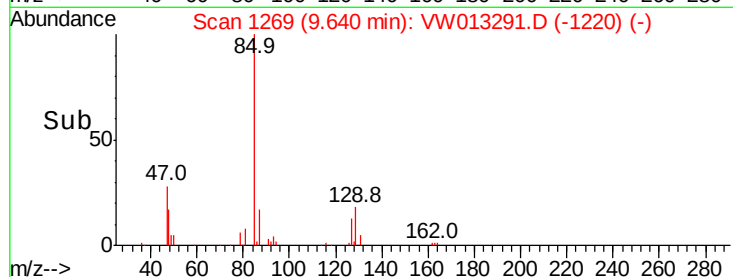
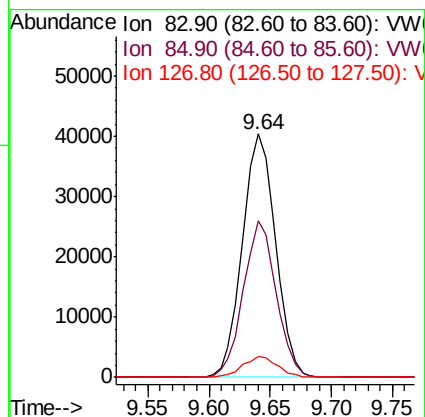
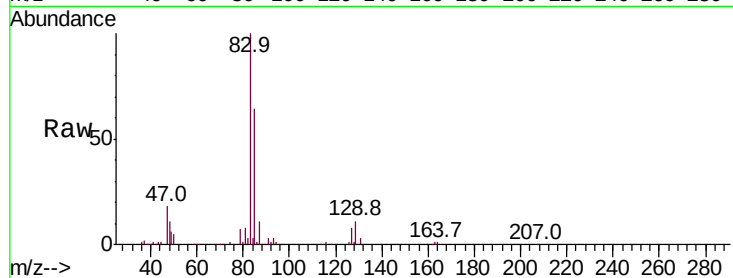
Tot Ion: 83 Resp: 76320

Ion Ratio Lower Upper

83 100

85 64.4 49.4 74.2

127 8.4 6.5 9.7



#48

Methyl methacrylate

Concen: 22.931 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

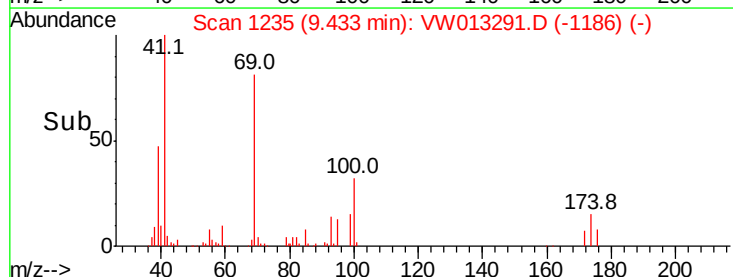
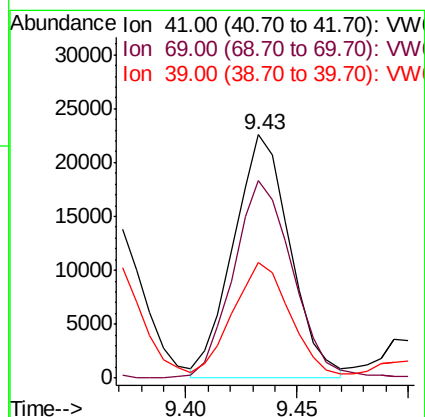
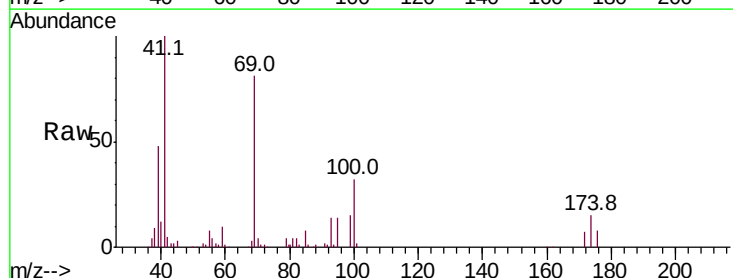
Tgt Ion: 41 Resp: 40072

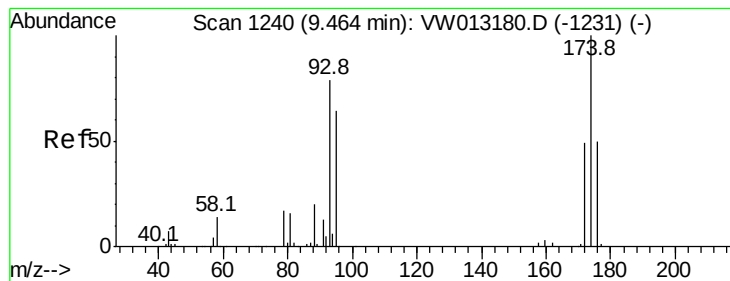
Ion Ratio Lower Upper

41 100

69 85.5 69.7 104.5

39 45.6 41.1 61.7





#49

1,4-Dioxane

Concen: 508.077 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :

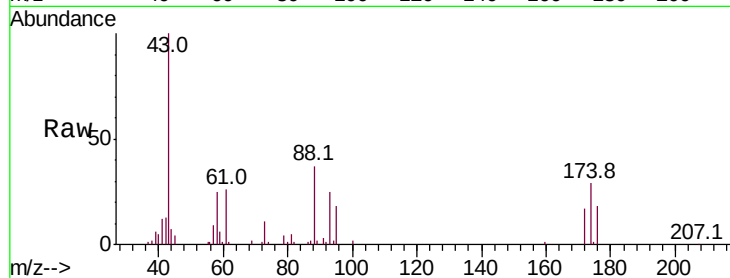
Tot Ion: 88 Resp: 11504

Ion Ratio Lower Upper

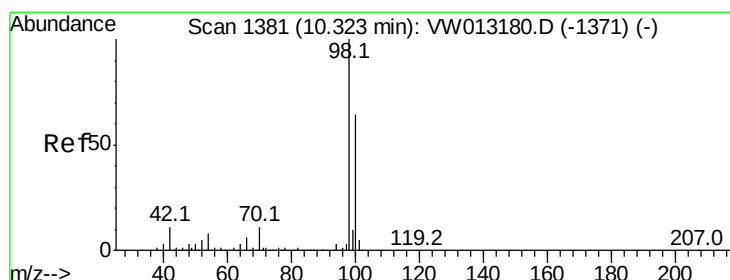
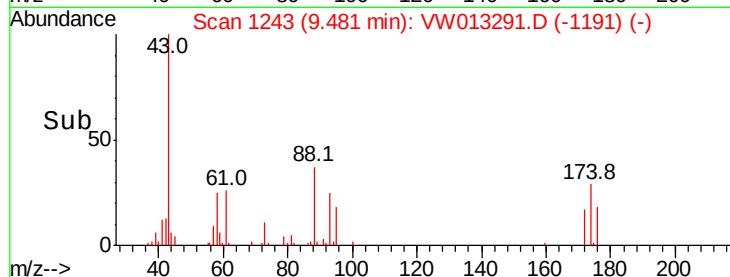
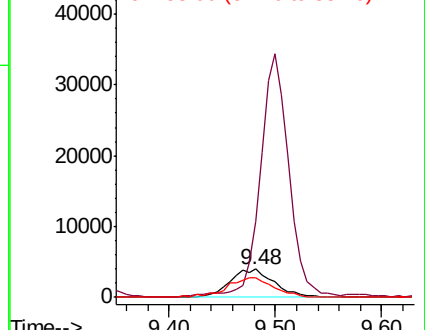
88 100

43 567.1 0.0 0.0#

58 72.5 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: 51.227 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013291.D

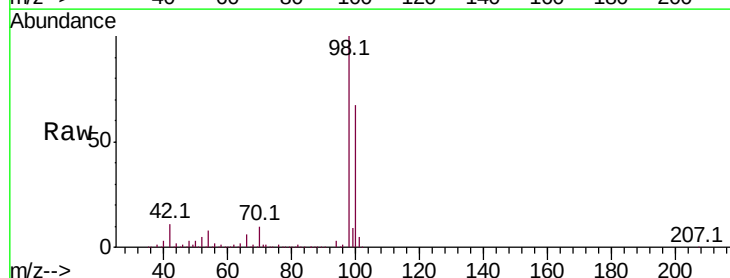
Acq: 25 Sep 2019 11:15

Tgt Ion: 98 Resp: 555432

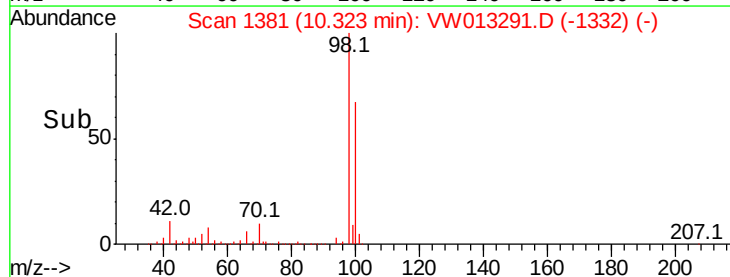
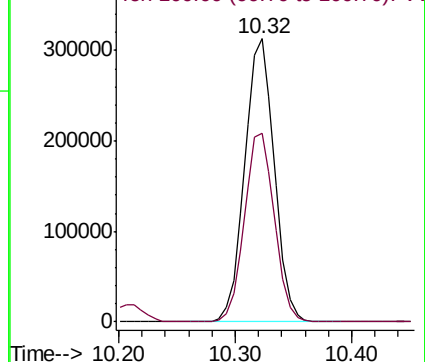
Ion Ratio Lower Upper

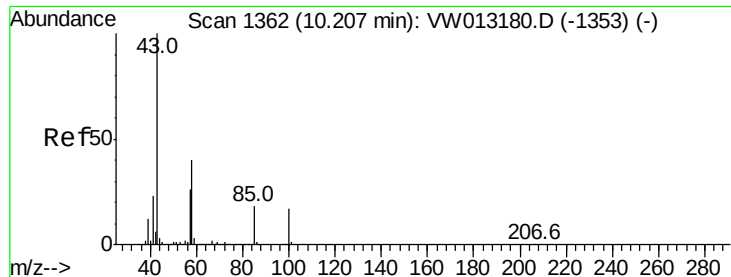
98 100

100 67.3 52.9 79.3



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

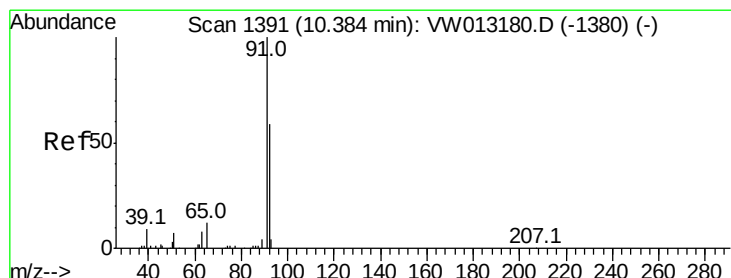
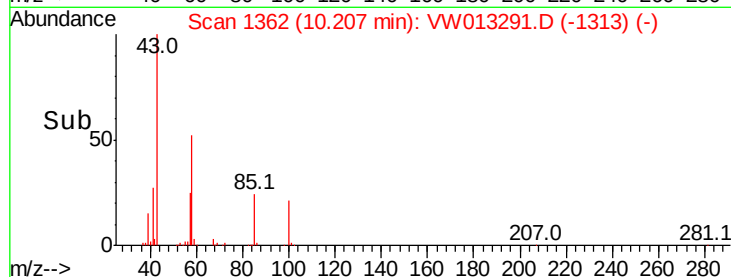
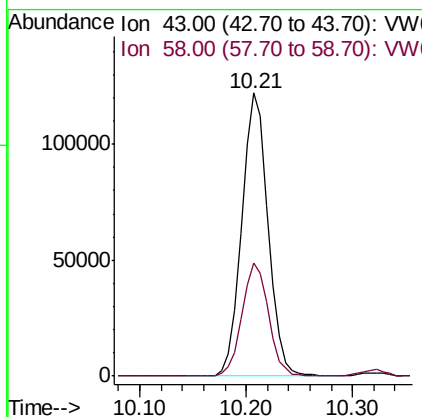
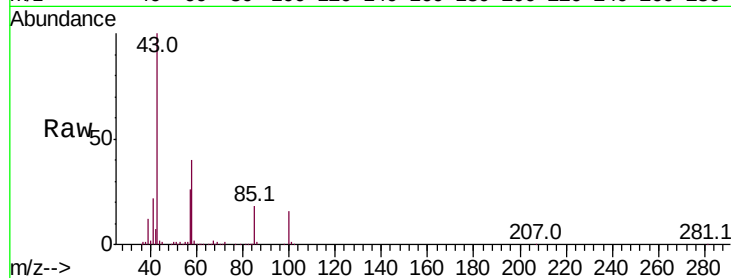




#51
 4-Methyl-2-Pentanone
 Concen: 113.604 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

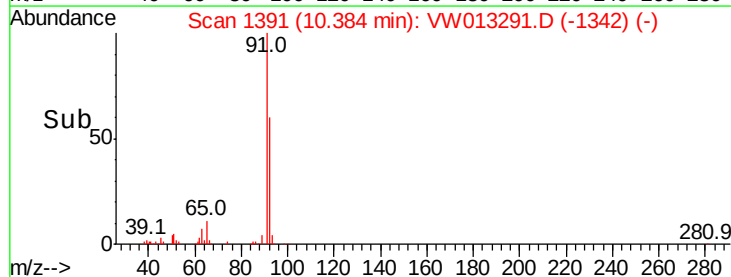
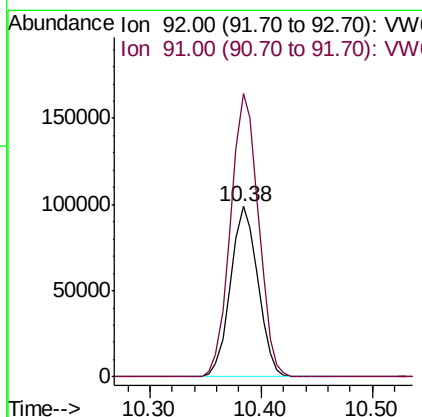
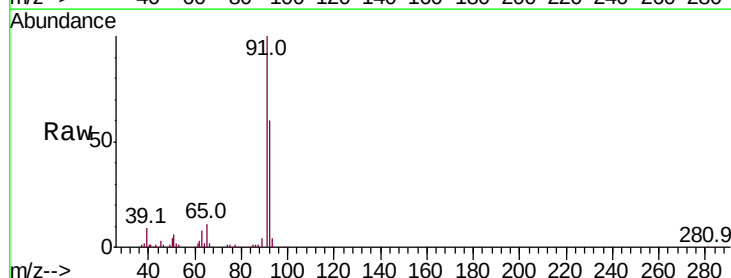
Instrument :
 MSVOA_W
 ClientSampled :

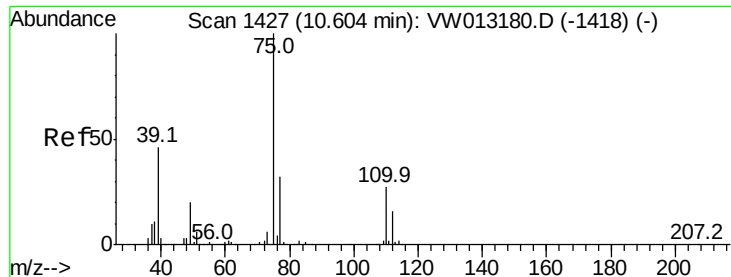
Tot Ion: 43 Resp: 211653
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.7 47.5



#52
 Toluene
 Concen: 20.716 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

Tgt Ion: 92 Resp: 168958
 Ion Ratio Lower Upper
 92 100
 91 169.2 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.471 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

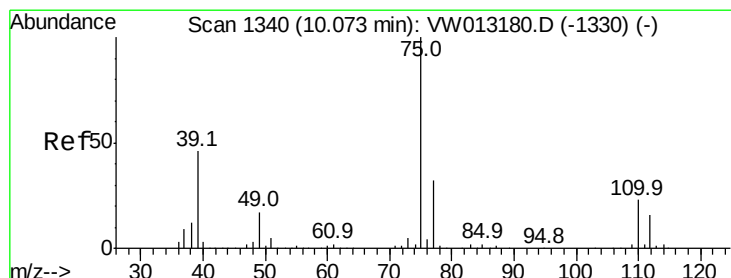
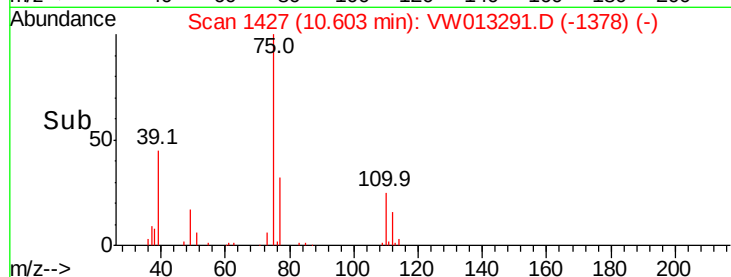
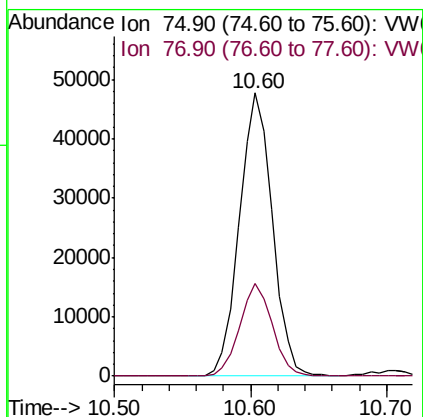
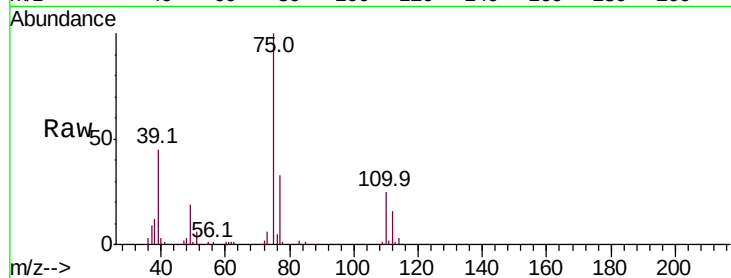
ClientSampled :

Tot Ion: 75 Resp: 80726

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.257 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

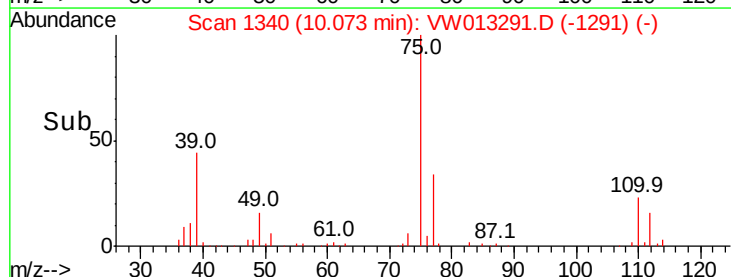
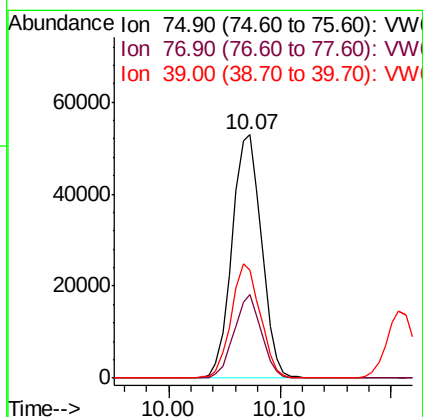
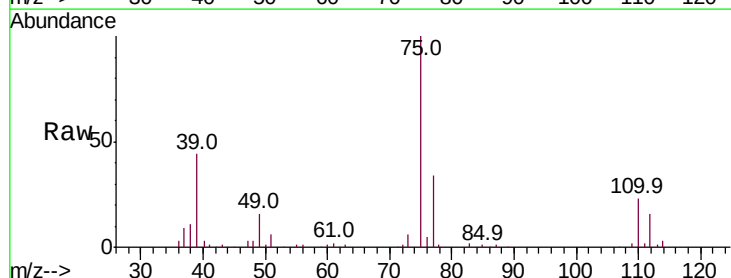
Tgt Ion: 75 Resp: 97126

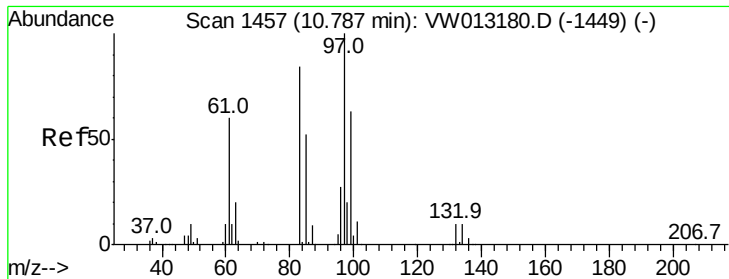
Ion Ratio Lower Upper

75 100

77 34.4 25.2 37.8

39 44.2 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 21.310 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 48045

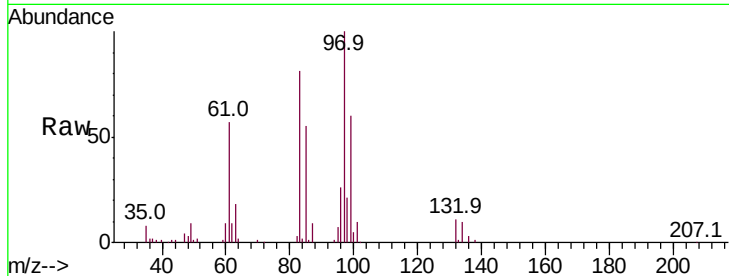
Ion Ratio Lower Upper

97 100

83 81.2 67.6 101.4

85 54.9 41.9 62.9

99 60.4 50.1 75.1



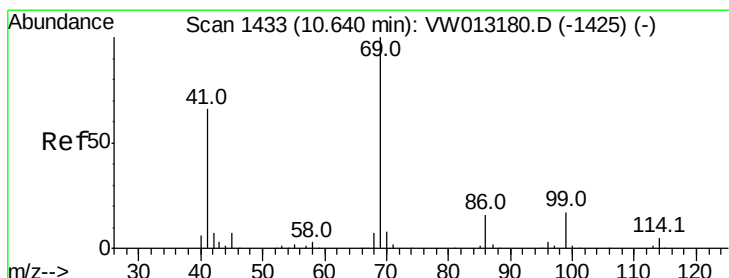
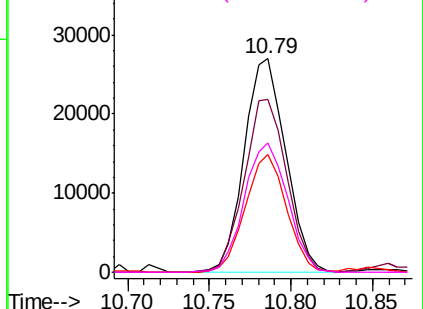
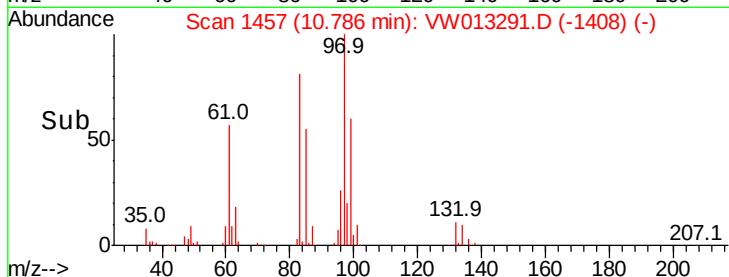
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.433 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

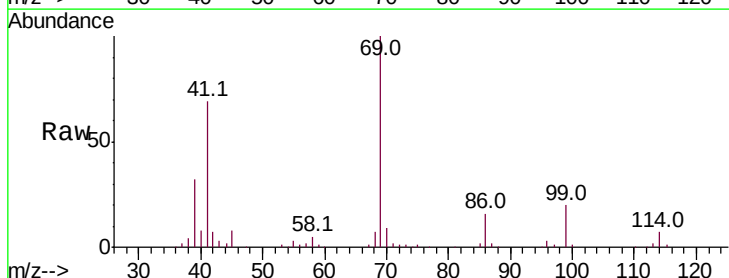
Tgt Ion: 69 Resp: 63241

Ion Ratio Lower Upper

69 100

41 68.3 53.9 80.9

39 29.8 23.8 35.6

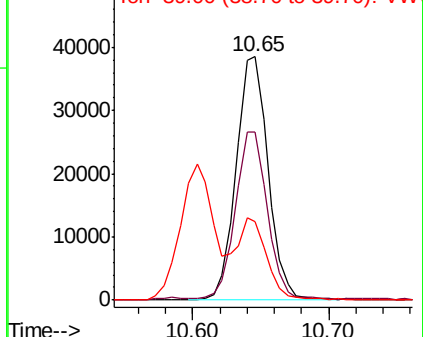
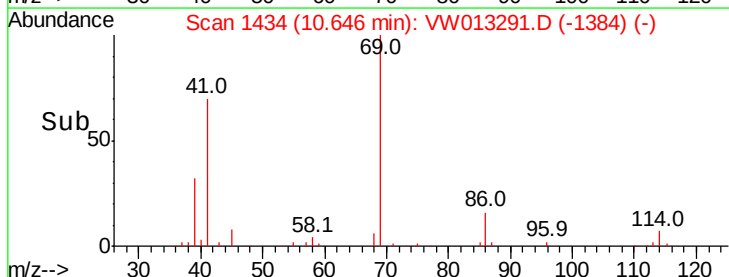


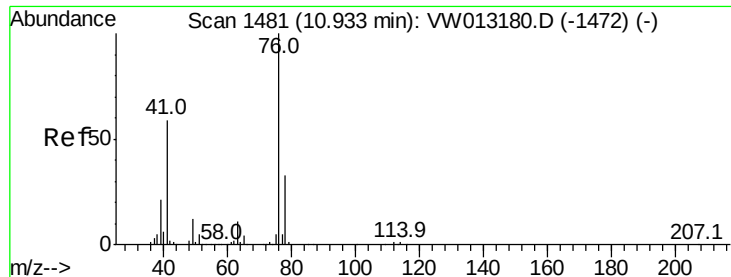
Abundance

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: 20.712 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

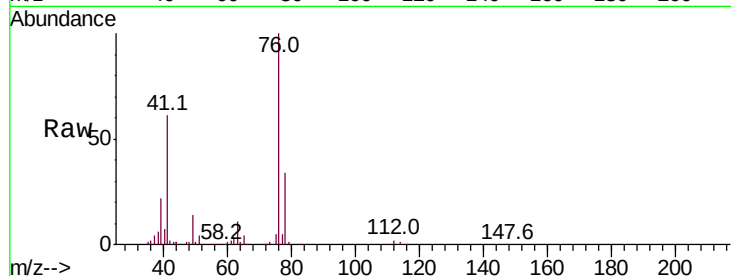
ClientSampled :

Tot Ion: 76 Resp: 81487

Ion Ratio Lower Upper

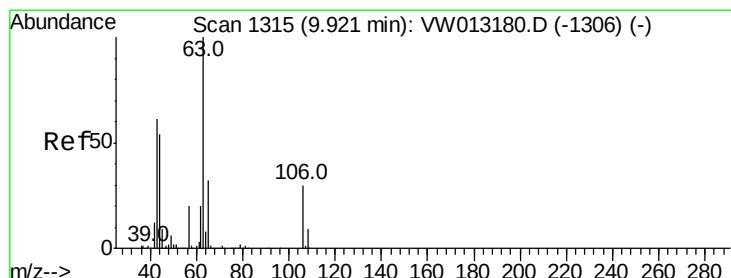
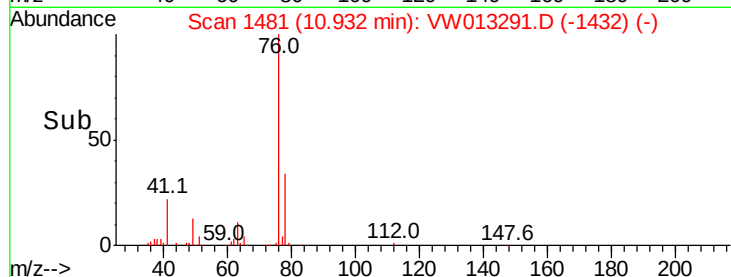
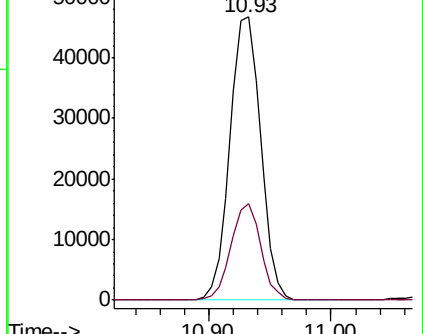
76 100

78 33.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 107.234 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013291.D

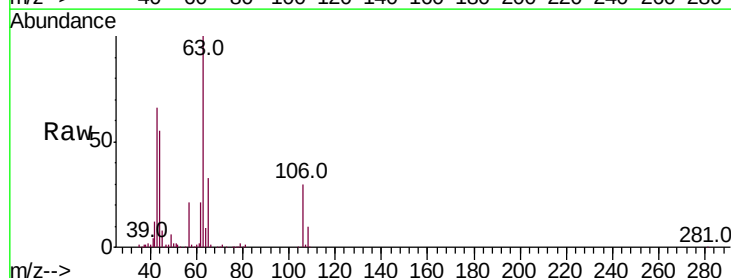
Acq: 25 Sep 2019 11:15

Tgt Ion: 63 Resp: 146480

Ion Ratio Lower Upper

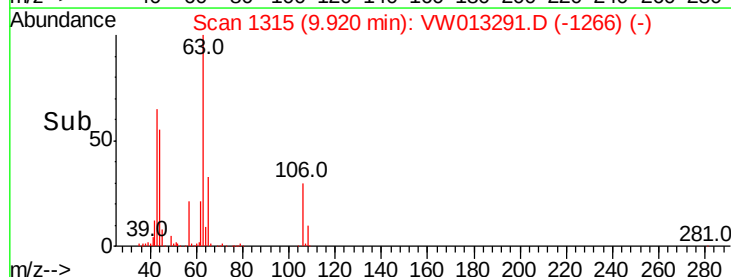
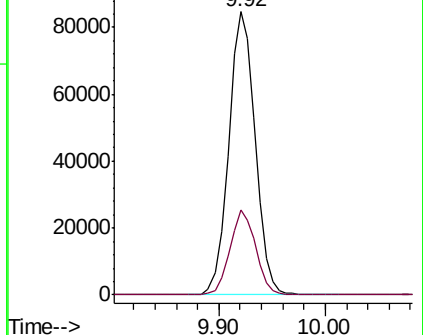
63 100

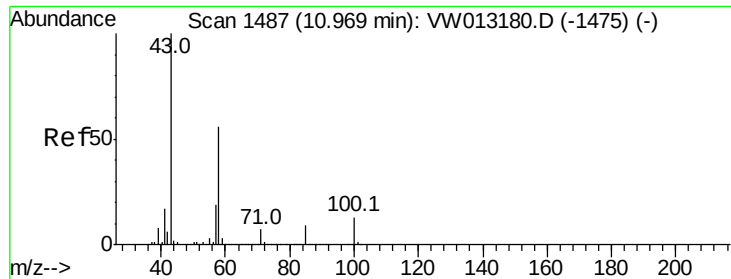
106 29.3 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 114.519 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

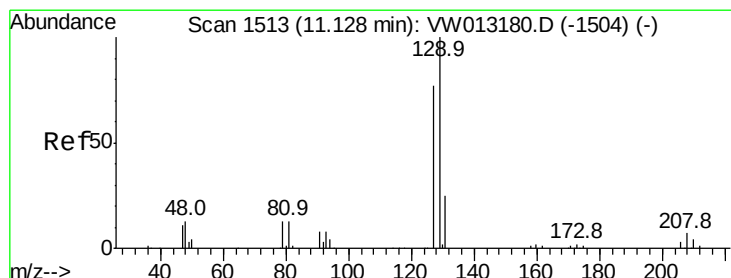
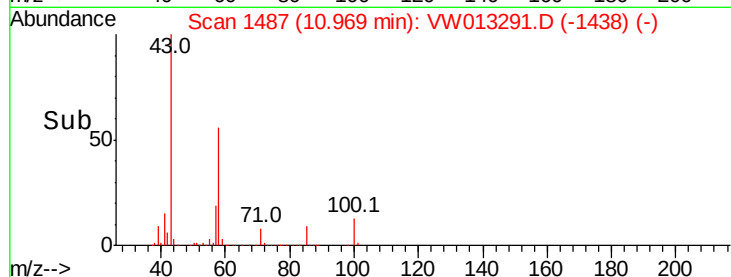
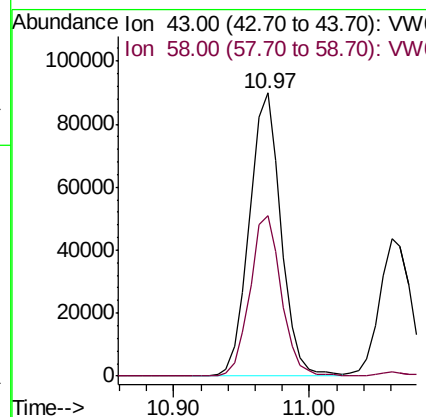
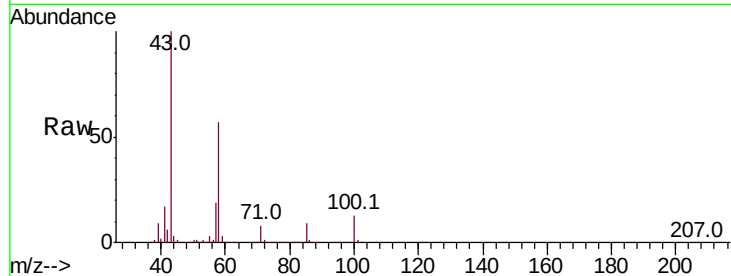
ClientSampleId :

Tot Ion: 43 Resp: 146790

Ion Ratio Lower Upper

43 100

58 56.2 28.1 84.2



#60

Dibromochloromethane

Concen: 20.480 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013291.D

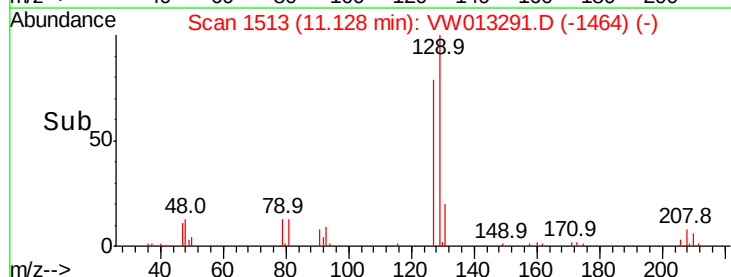
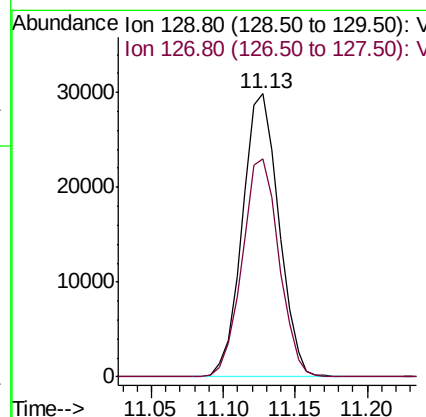
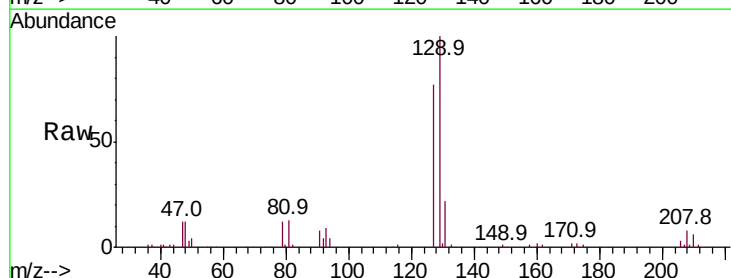
Acq: 25 Sep 2019 11:15

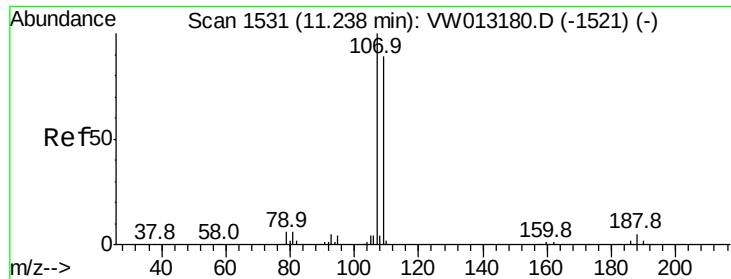
Tgt Ion: 129 Resp: 52431

Ion Ratio Lower Upper

129 100

127 77.6 38.8 116.4

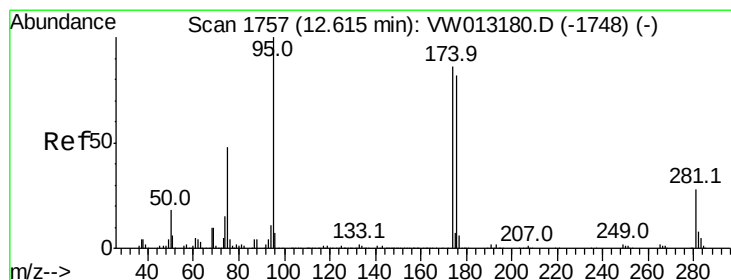
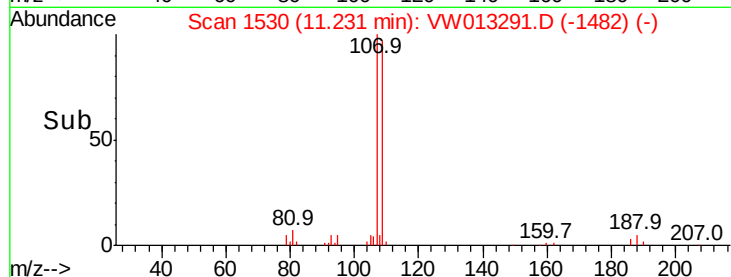
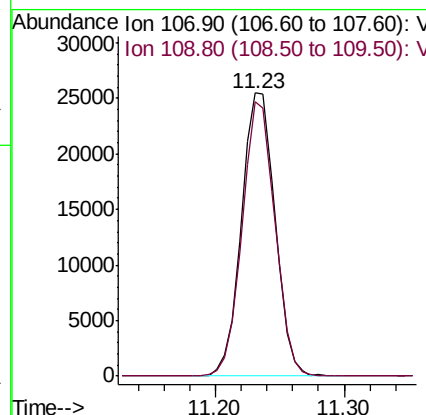
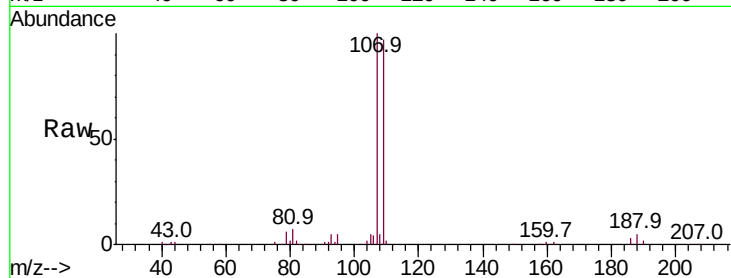




#61
 1,2-Dibromoethane
 Concen: 21.354 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

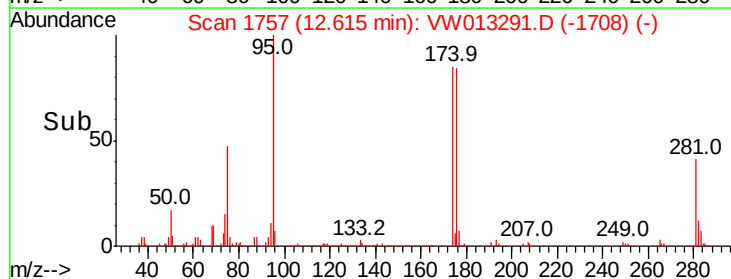
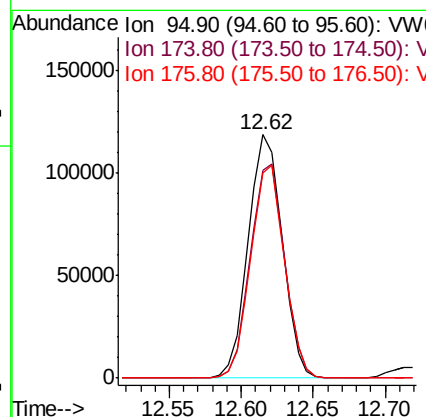
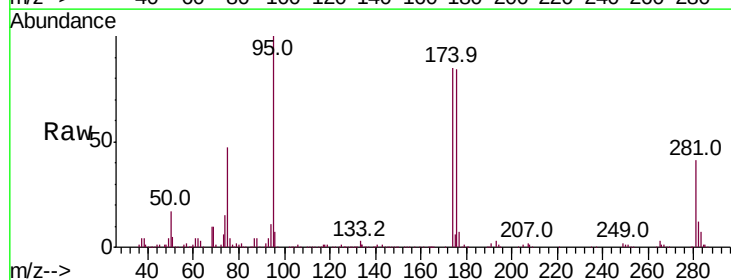
Instrument :
 MSVOA_W
 ClientSampled :

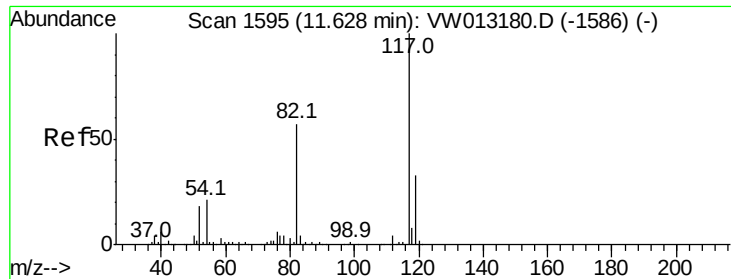
Tot Ion:107 Resp: 45776
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.550 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

Tgt Ion: 95 Resp: 194633
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 178.4
 176 86.5 0.0 172.2

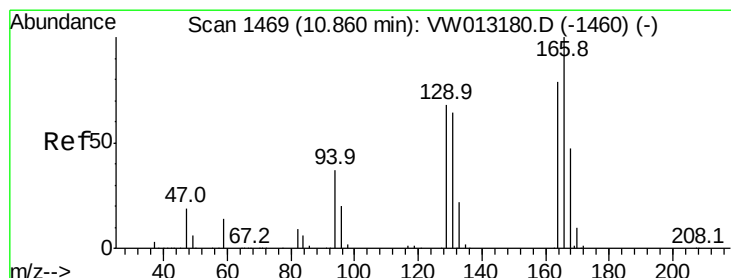
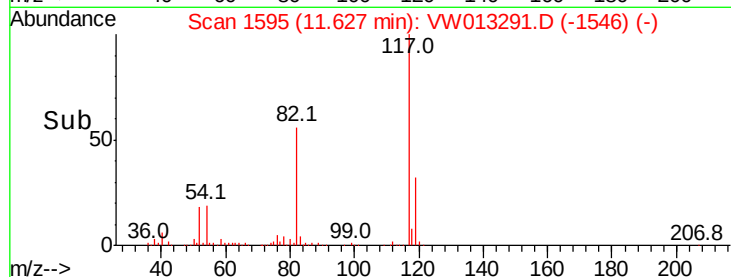
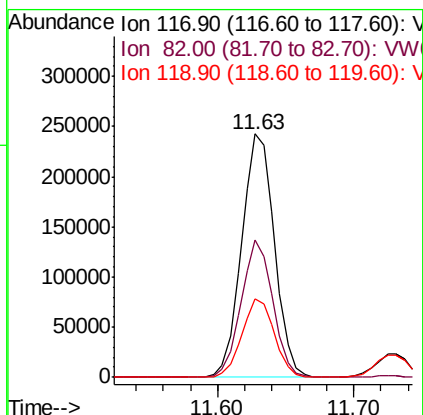
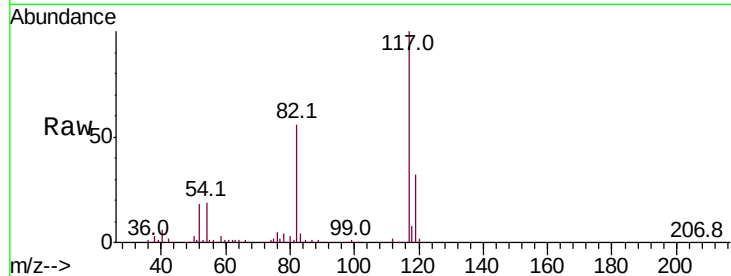




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

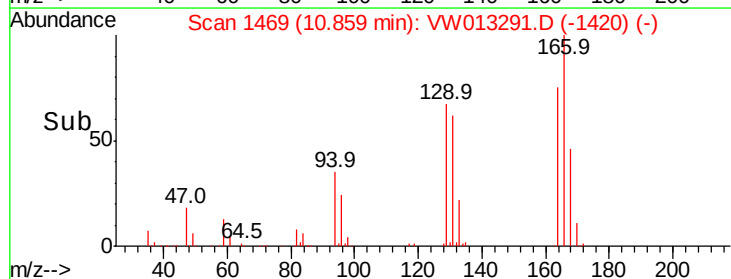
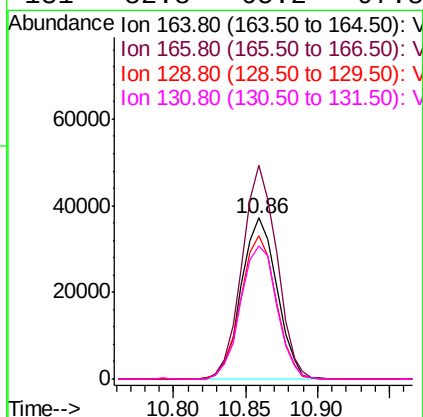
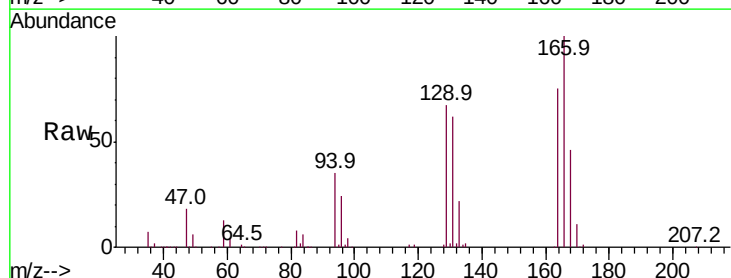
Instrument :
MSVOA_W
ClientSampleId :

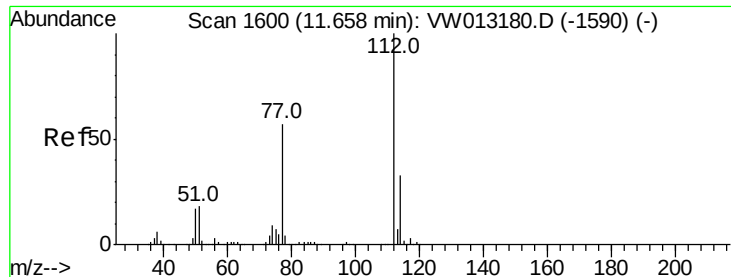
Tot Ion:117 Resp: 407843
Ion Ratio Lower Upper
117 100
82 56.4 45.9 68.9
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 20.650 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion:164 Resp: 63901
Ion Ratio Lower Upper
164 100
166 132.8 101.2 151.8
129 89.5 68.8 103.2
131 82.8 65.2 97.8

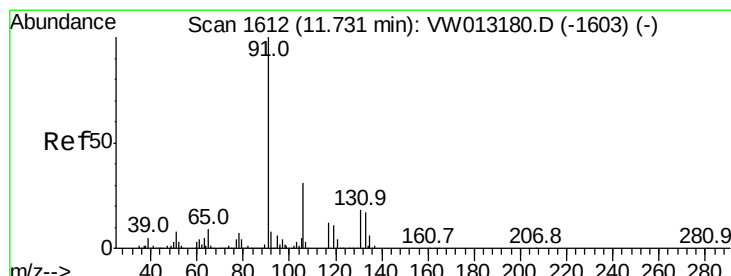
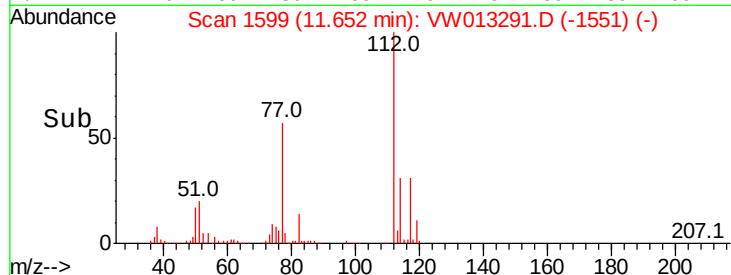
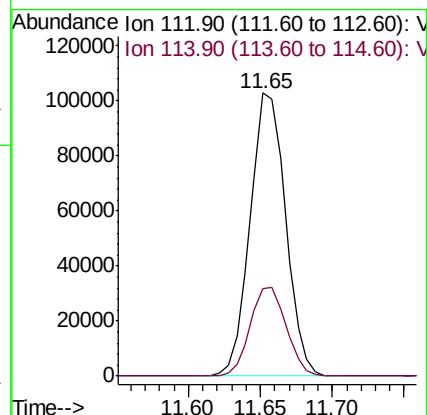
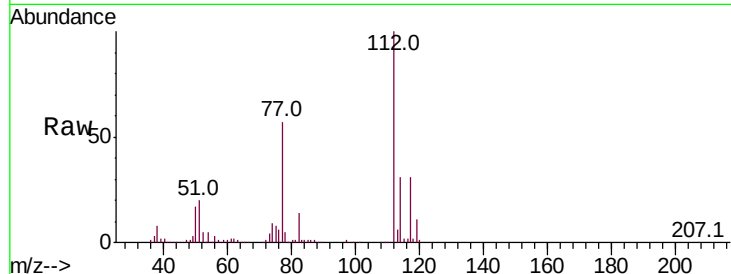




#65
Chlorobenzene
Concen: 20.559 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

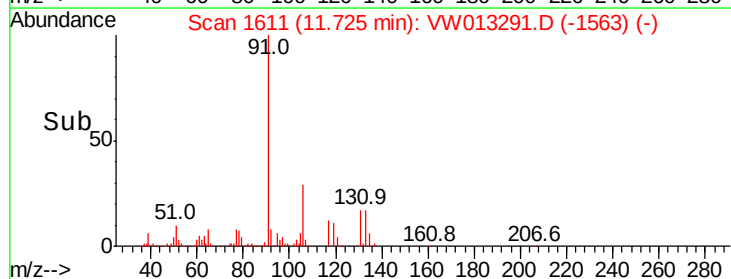
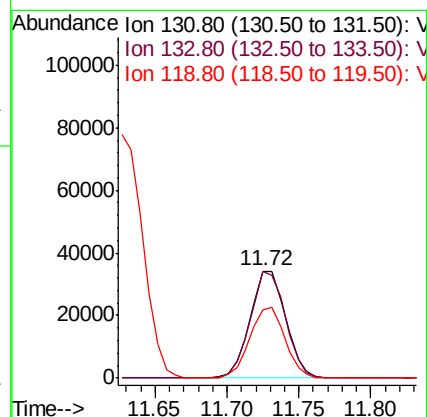
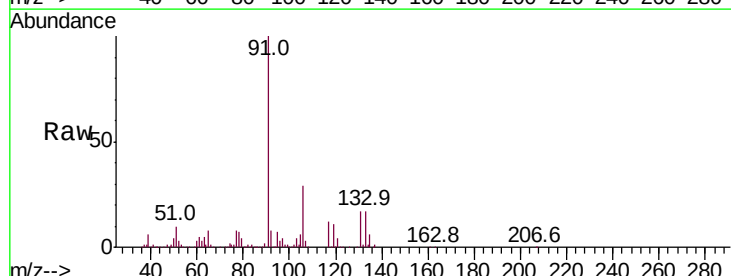
Instrument :
MSVOA_W
ClientSampled :

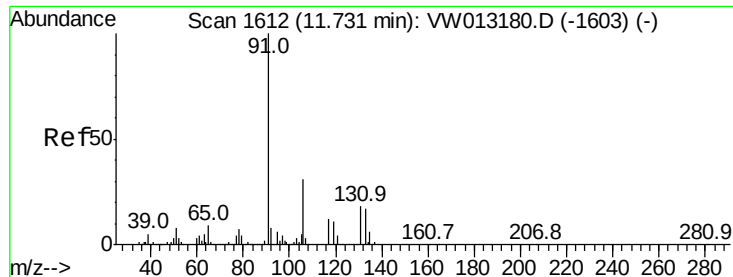
Tot Ion:112 Resp: 175090
Ion Ratio Lower Upper
112 100
114 30.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.150 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion:131 Resp: 58628
Ion Ratio Lower Upper
131 100
133 98.1 47.5 142.6
119 65.6 32.5 97.5

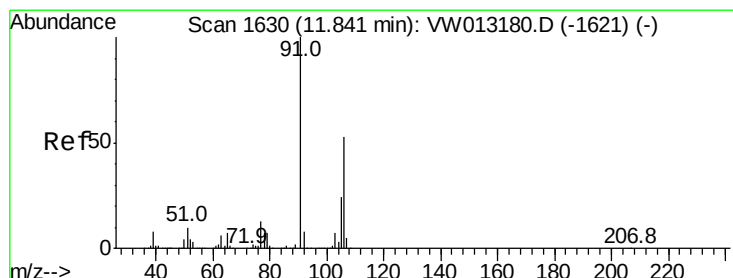
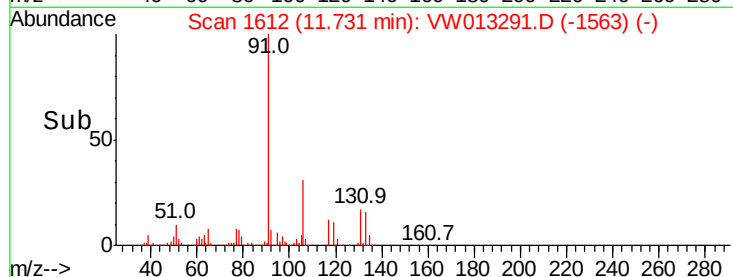
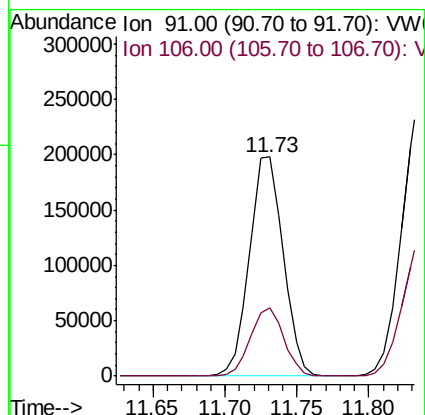
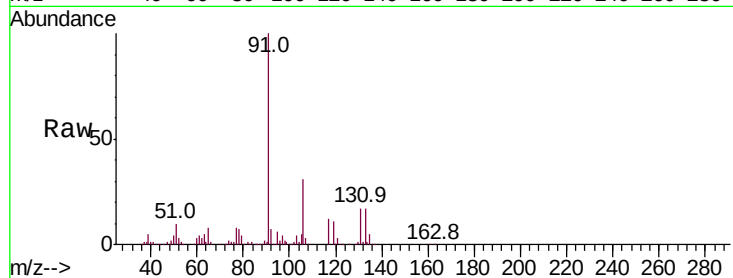




#67
Ethyl Benzene
Concen: 20.834 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

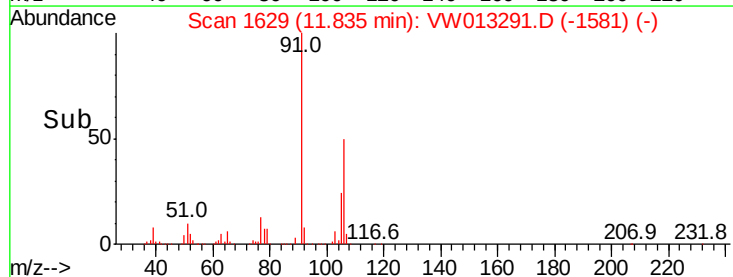
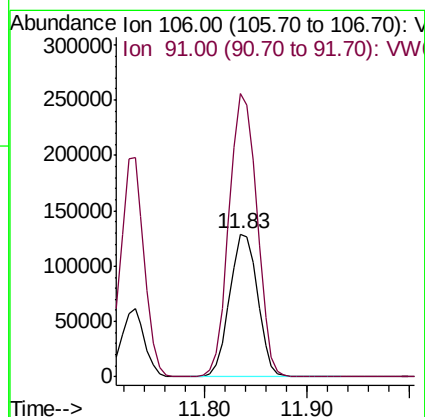
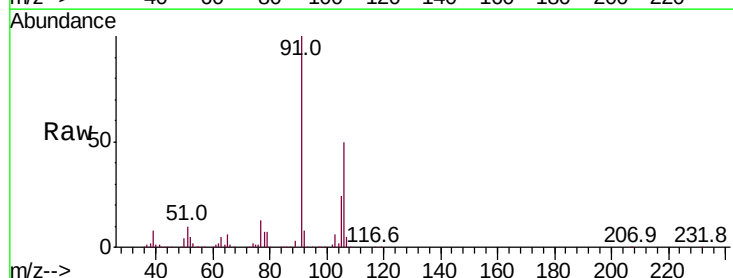
Instrument :
MSVOA_W
ClientSampled :

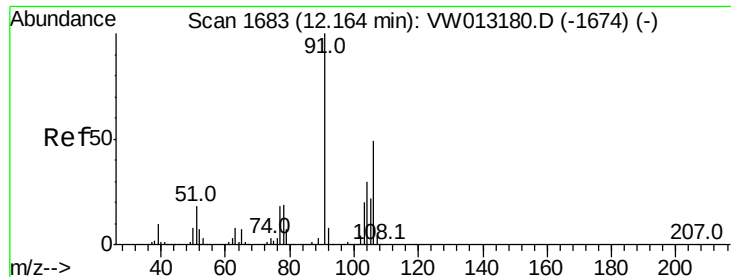
Tot Ion: 91 Resp: 321487
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 41.476 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 106 Resp: 243890
Ion Ratio Lower Upper
106 100
91 198.8 157.9 236.9

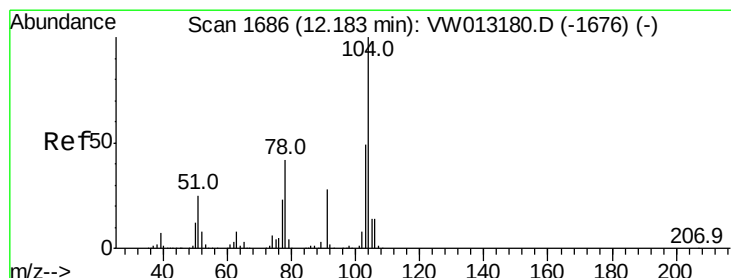
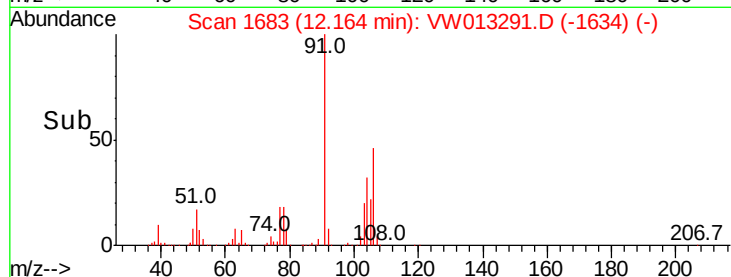
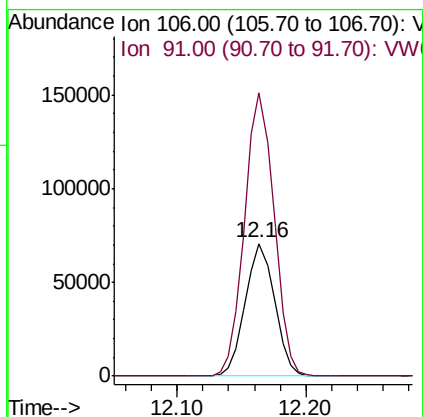
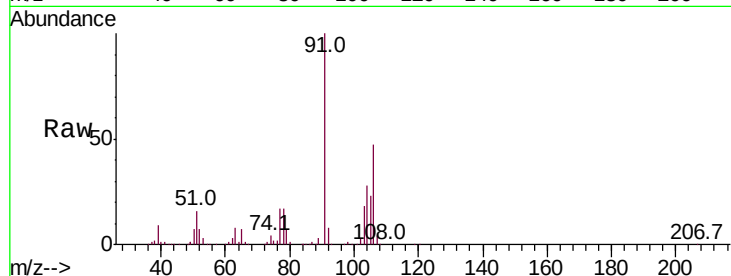




#69
o-Xylene
Concen: 20.432 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

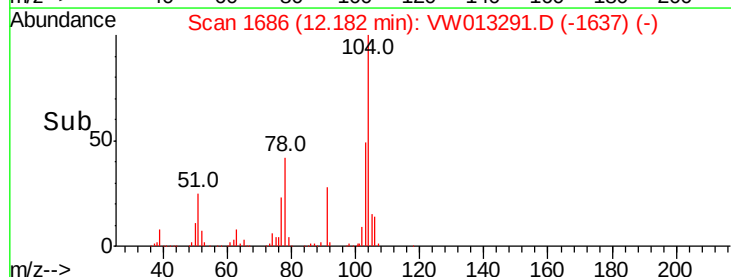
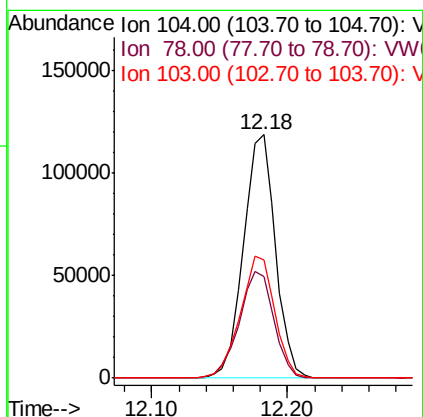
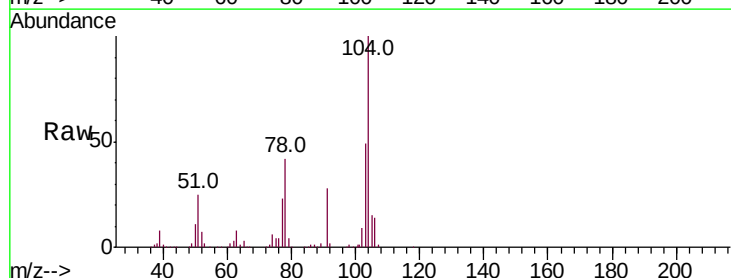
Instrument :
MSVOA_W
ClientSampleId :

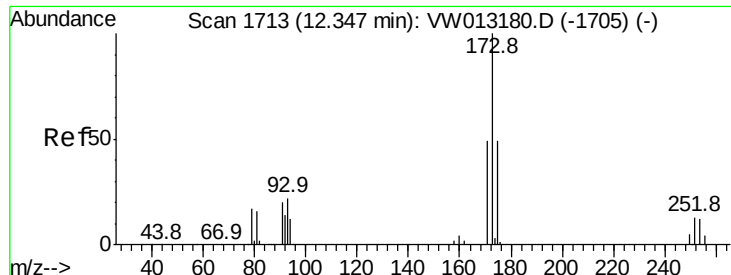
Tot Ion:106 Resp: 111699
Ion Ratio Lower Upper
106 100
91 214.3 106.5 319.5



#70
Styrene
Concen: 20.819 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion:104 Resp: 195398
Ion Ratio Lower Upper
104 100
78 47.4 38.4 57.6
103 53.9 43.3 64.9

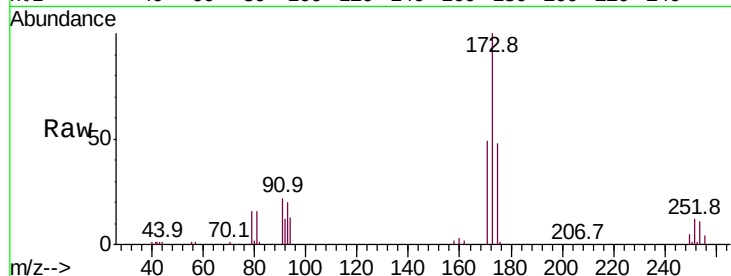




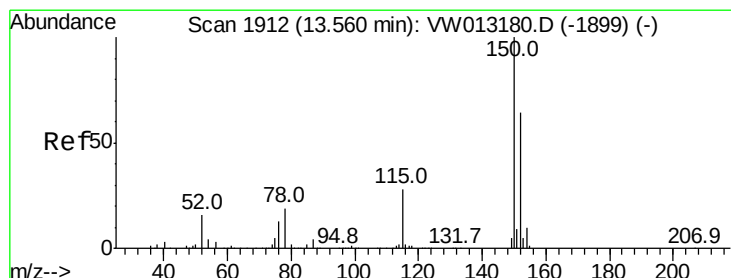
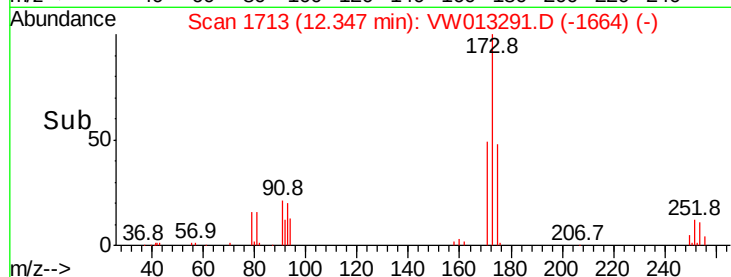
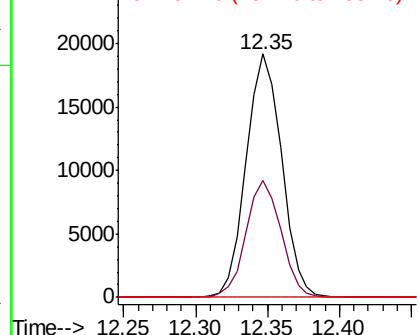
#71
Bromoform
Concen: 21.317 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 32767
Ion Ratio Lower Upper
173 100
175 47.3 24.3 73.0
254 0.0 0.1 0.1#

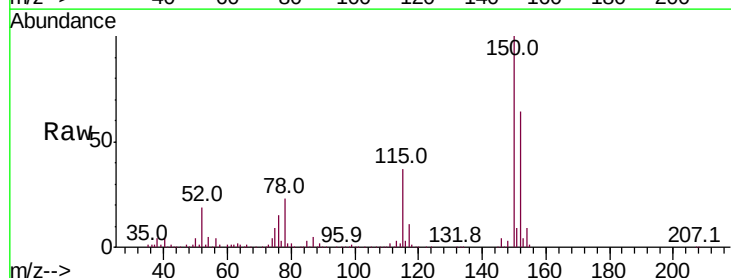


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

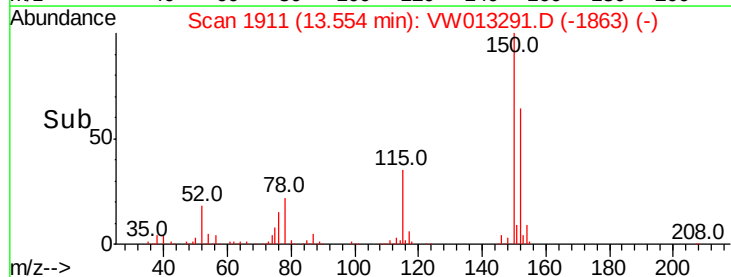
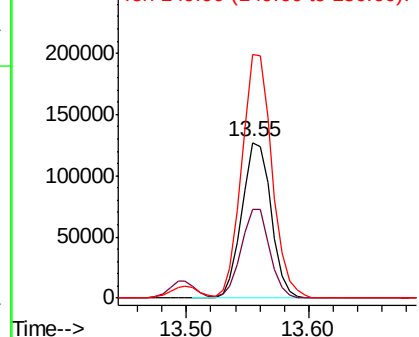


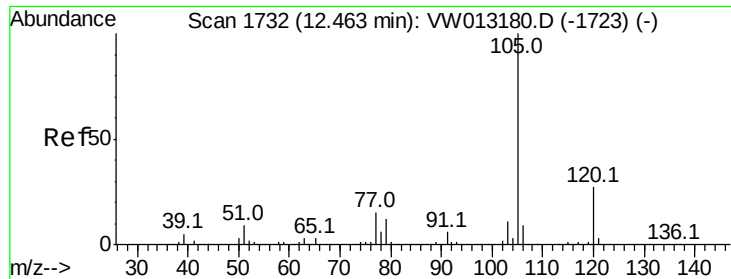
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion:152 Resp: 209386
Ion Ratio Lower Upper
152 100
115 55.8 27.3 81.9
150 162.1 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

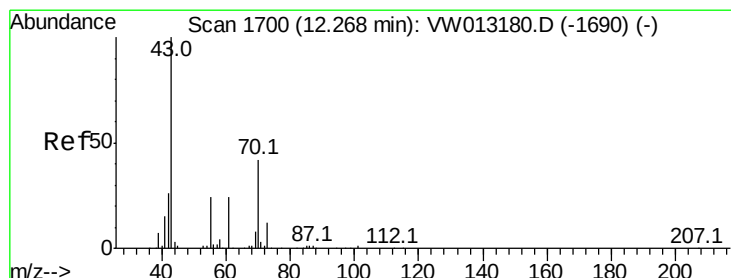
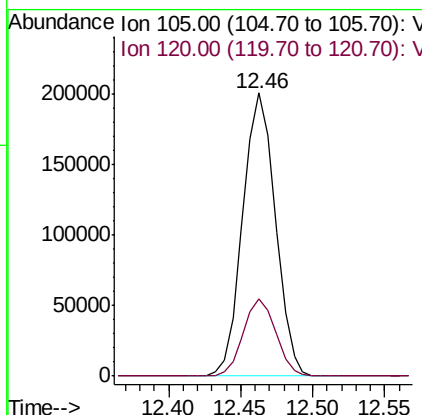
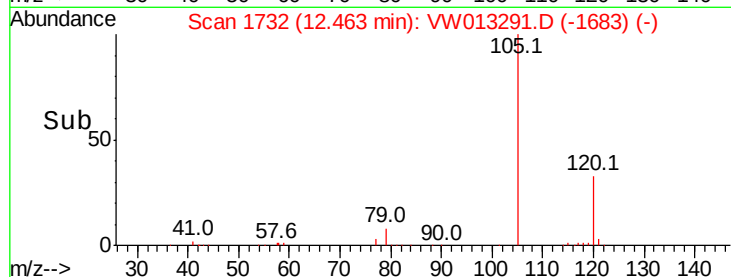
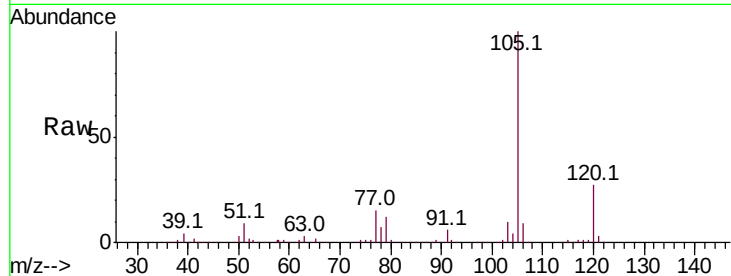




#73
Isopropylbenzene
Concen: 20.374 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

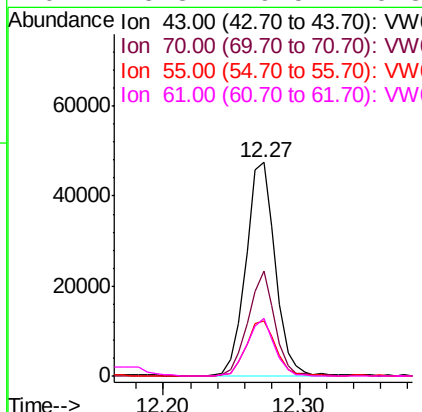
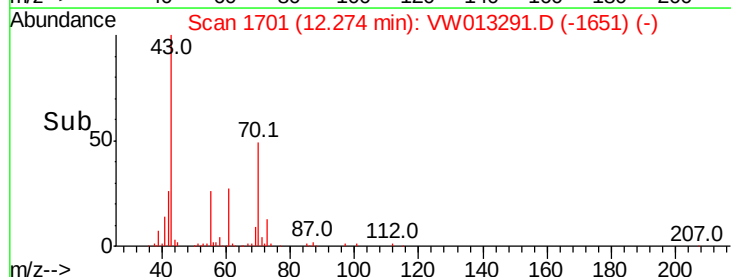
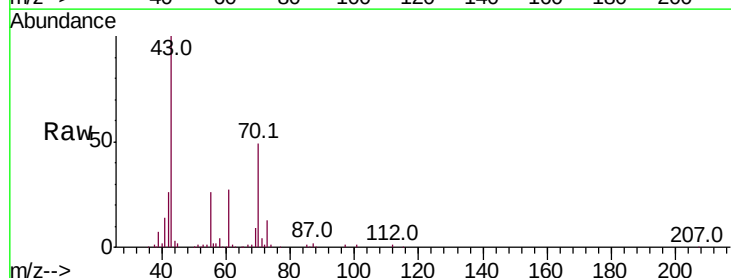
Instrument :
MSVOA_W
ClientSampled :

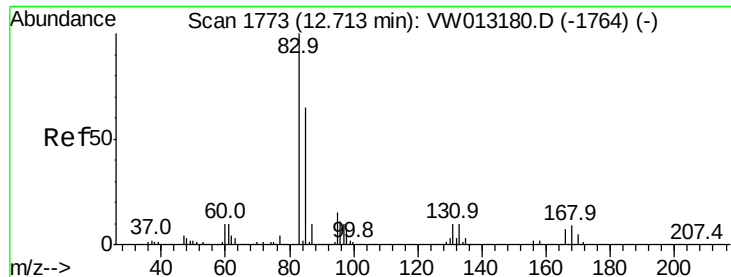
Tot Ion:105 Resp: 315129
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.1



#74
N-ethyl acetate
Concen: 20.915 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 43 Resp: 71784
Ion Ratio Lower Upper
43 100
70 44.6 35.1 52.7
55 26.1 19.9 29.9
61 25.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.780 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

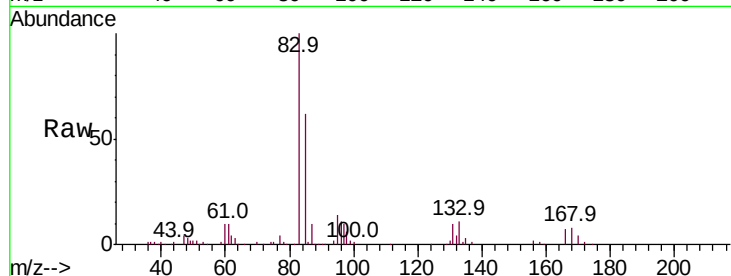
Tot Ion: 83 Resp: 56340

Ion Ratio Lower Upper

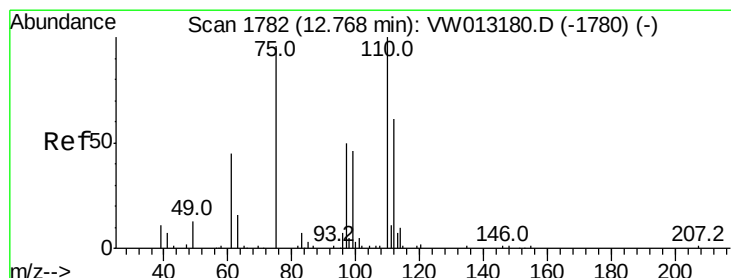
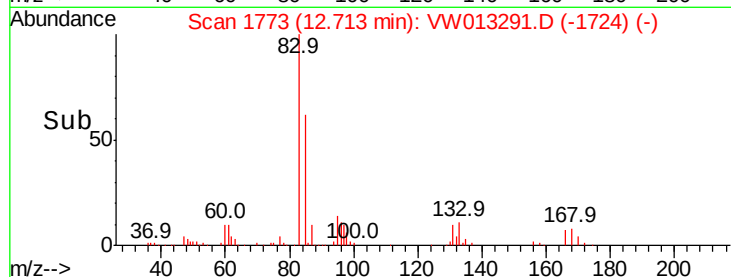
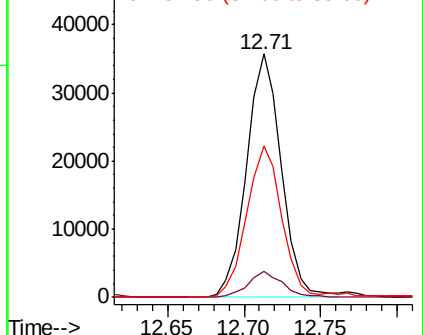
83 100

131 10.8 5.4 16.2

85 62.7 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: 38.987 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013291.D

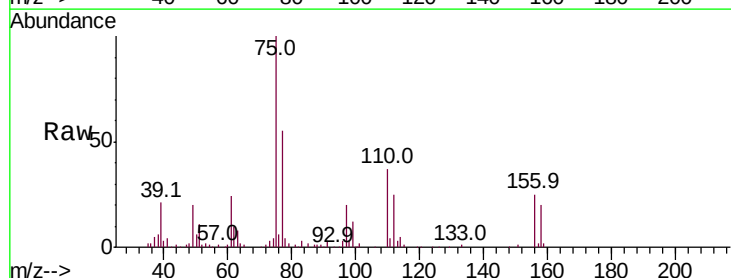
Acq: 25 Sep 2019 11:15

Tgt Ion: 75 Resp: 72093

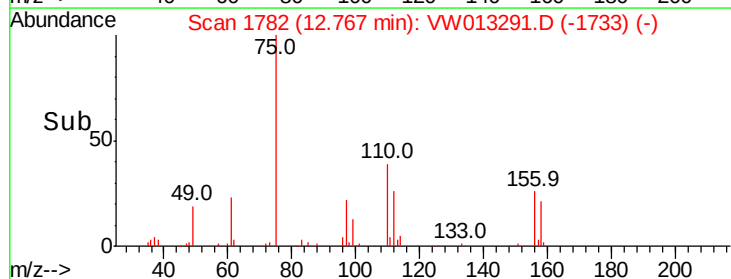
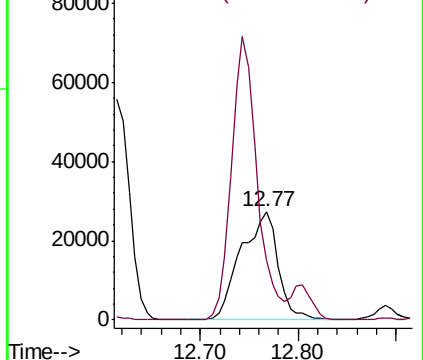
Ion Ratio Lower Upper

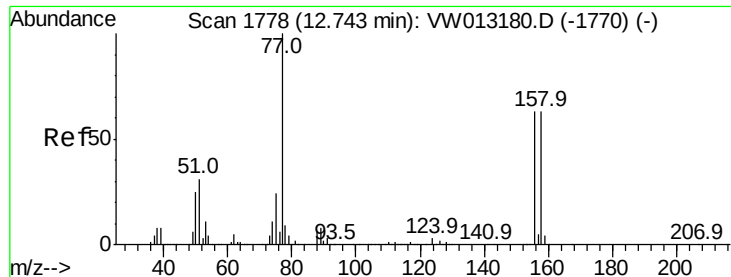
75 100

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: 20.196 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

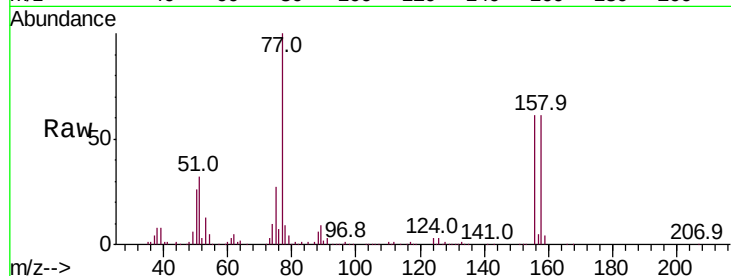
Instrument :

MSVOA_W

ClientSampled :

Tot Ion:156 Resp: 74026

Ion	Ratio	Lower	Upper
156	100		
77	176.2	85.7	257.1
158	98.0	48.1	144.4

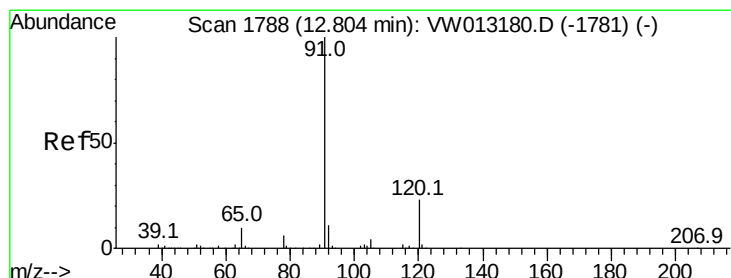
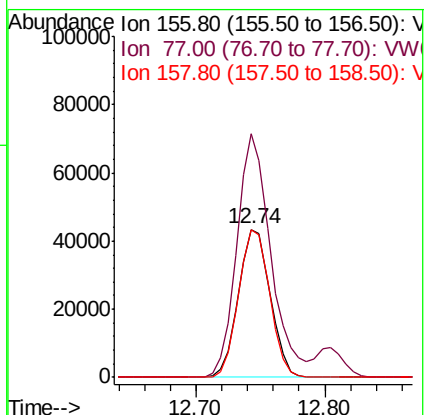
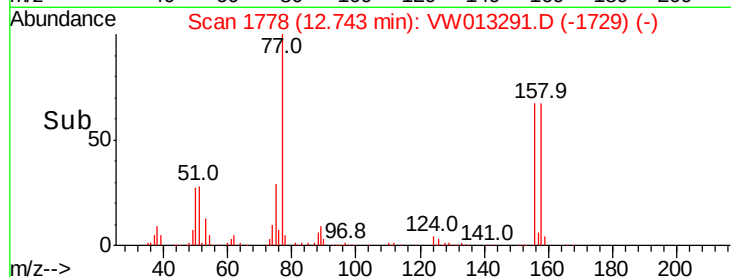


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.652 ug/l

RT: 12.80 min Scan# 1788

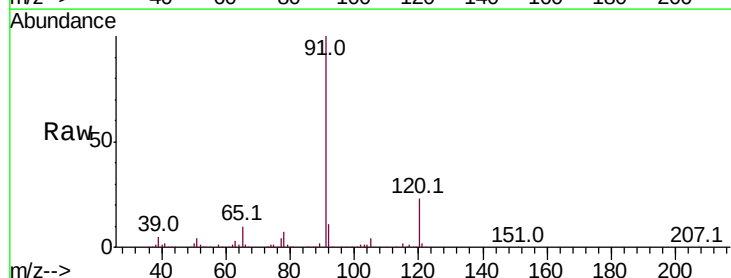
Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Tgt Ion: 91 Resp: 373904

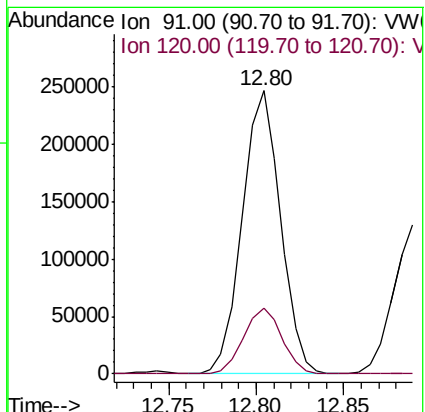
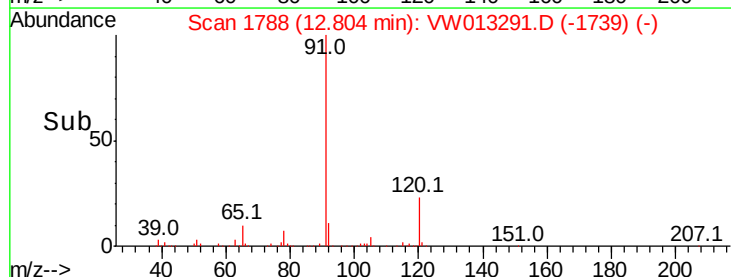
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.1

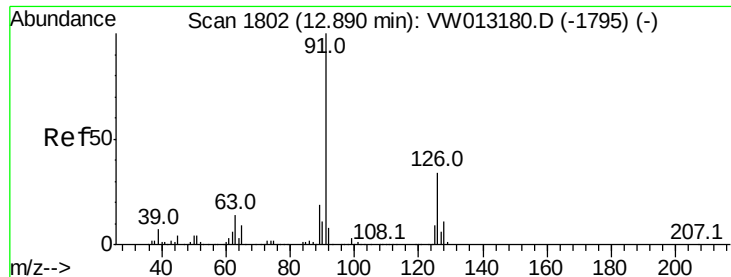


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.345 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

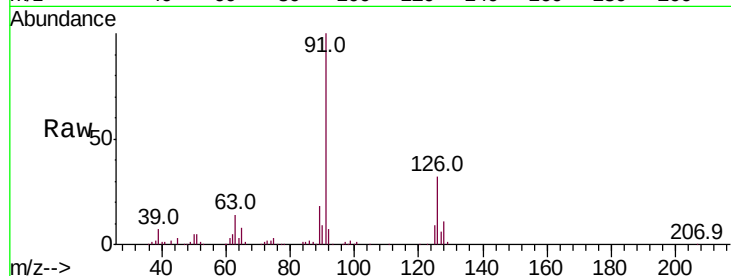
ClientSampled :

Tot Ion: 91 Resp: 206367

Ion Ratio Lower Upper

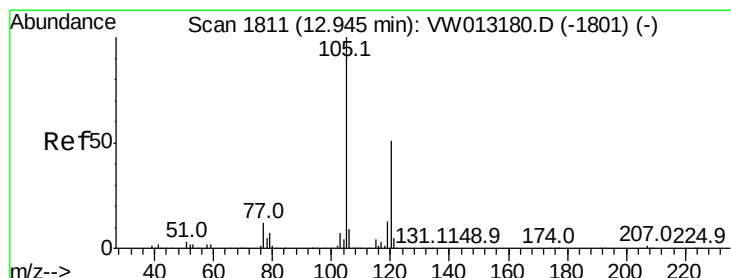
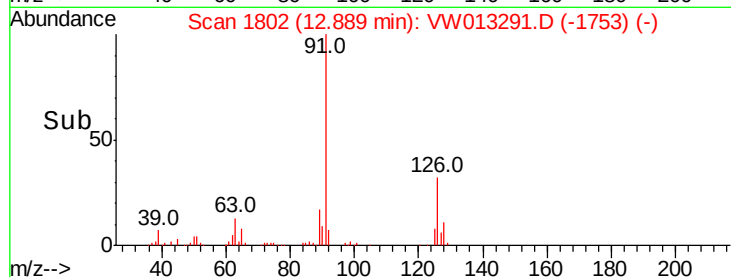
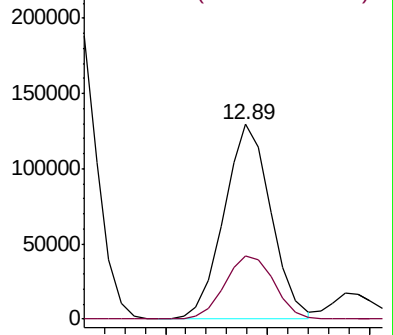
91 100

126 34.3 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.460 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013291.D

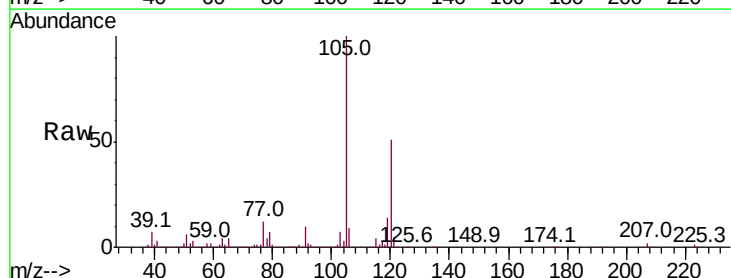
Acq: 25 Sep 2019 11:15

Tgt Ion:105 Resp: 266023

Ion Ratio Lower Upper

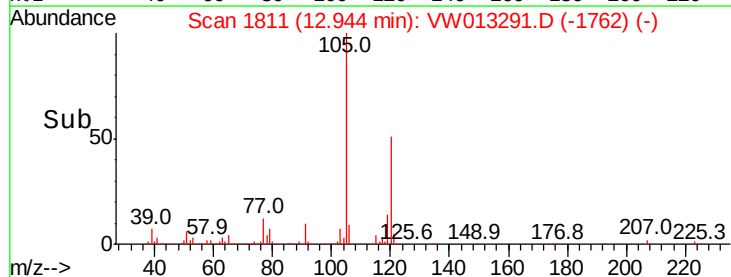
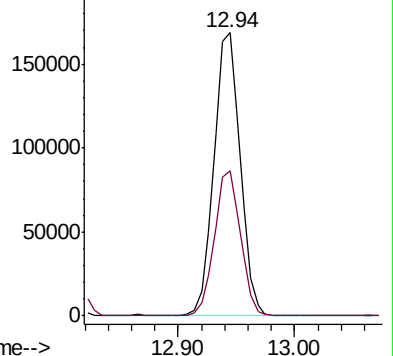
105 100

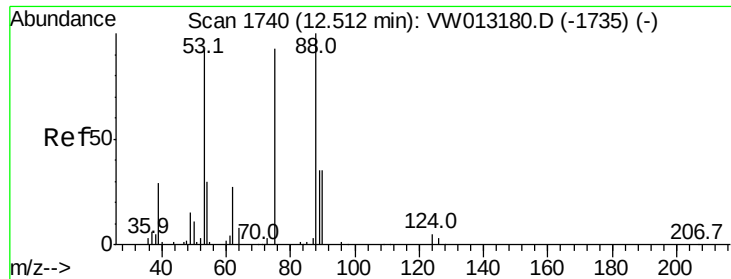
120 50.9 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

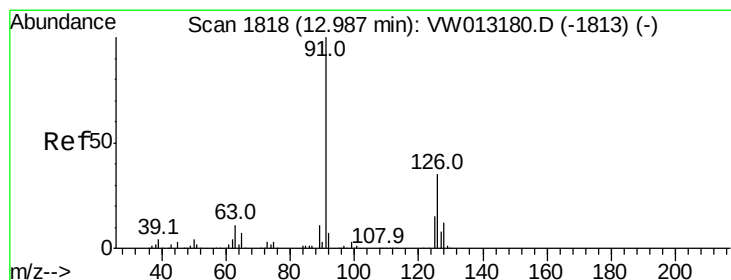
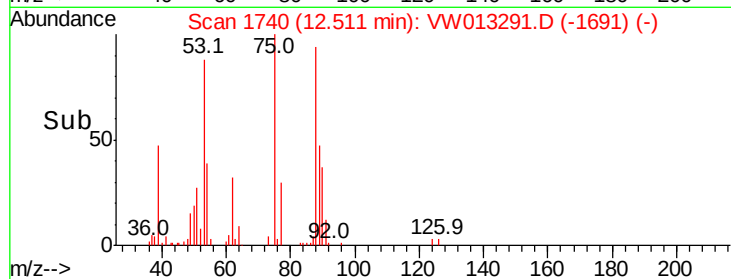
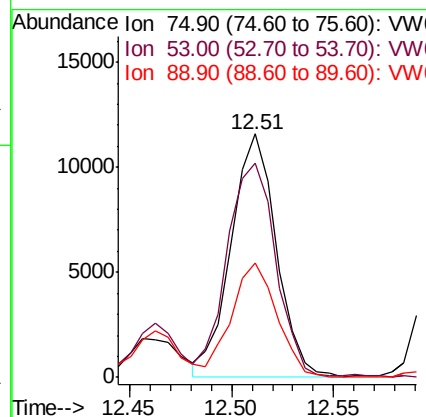
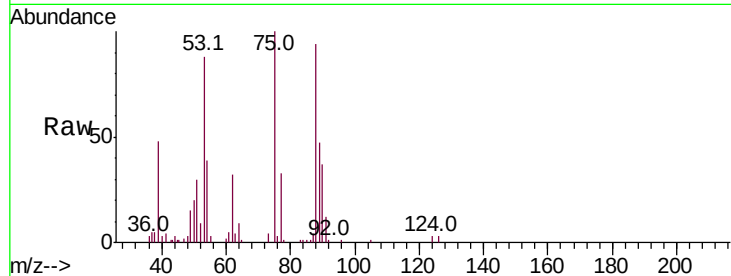




#81
trans-1,4-Dichloro-2-butene
Concen: 21.676 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

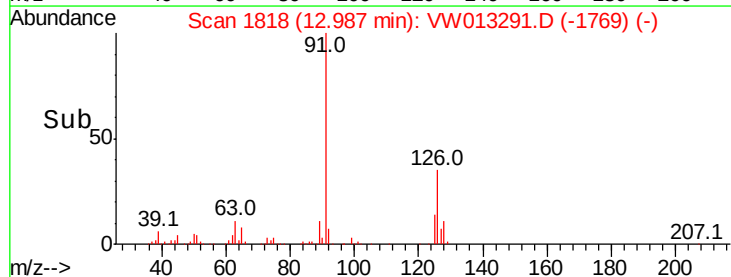
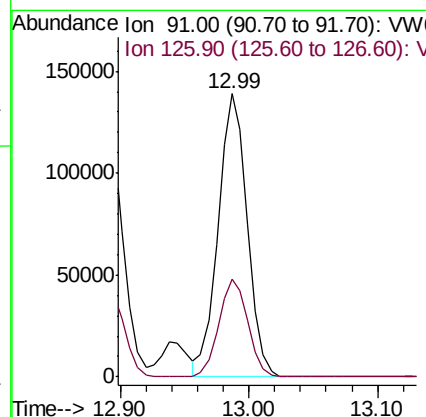
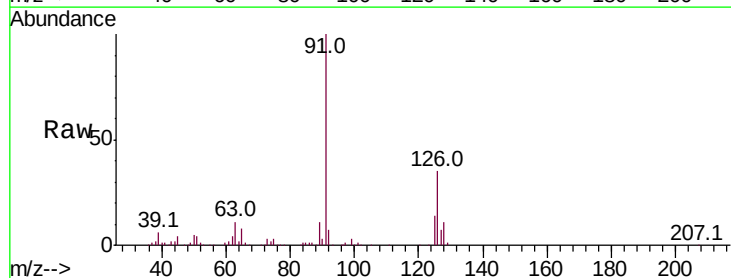
Instrument :
MSVOA_W
ClientSampled :

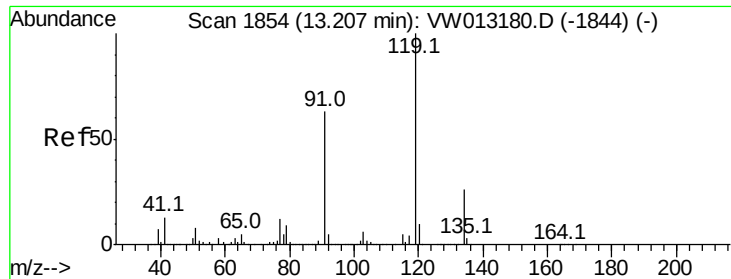
Tot Ion: 75 Resp: 17863
Ion Ratio Lower Upper
75 100
53 93.8 76.6 114.8
89 46.8 33.5 50.3



#82
4-Chlorotoluene
Concen: 20.480 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion: 91 Resp: 219064
Ion Ratio Lower Upper
91 100
126 34.6 17.3 51.7

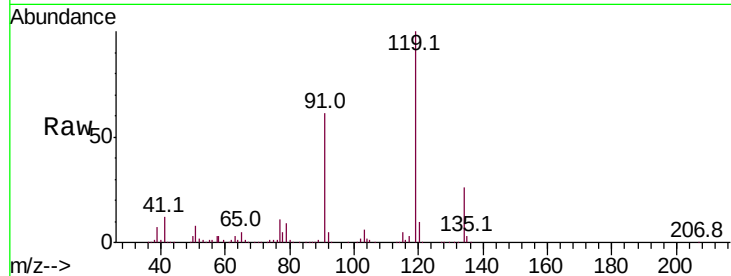




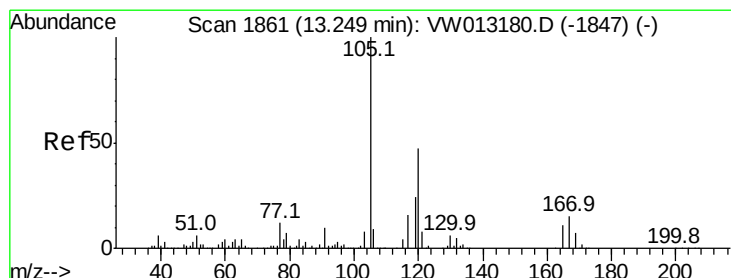
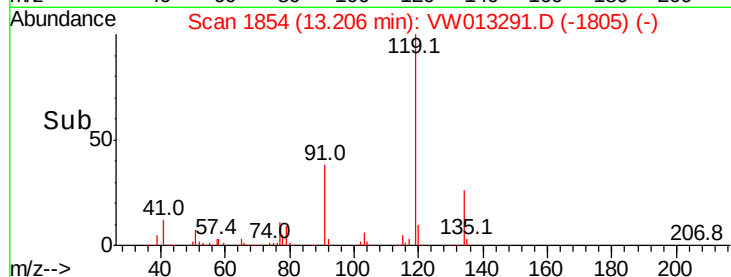
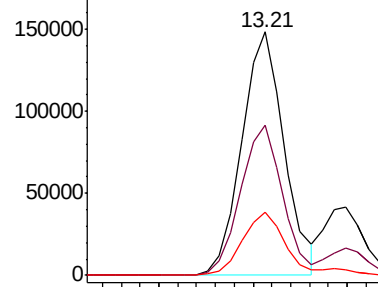
#83
 tert-Butylbenzene
 Concen: 20.317 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:119 Resp: 231854
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.7 92.1
 134 25.8 12.6 37.6

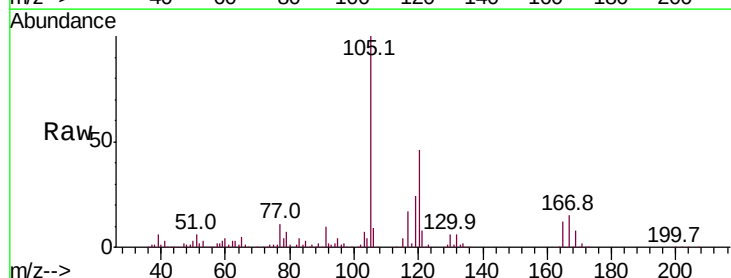


Abundance Ion 119.00 (118.70 to 119.70): V
 200000 Ion 91.00 (90.70 to 91.70): VW
 Ion 134.00 (133.70 to 134.70): V

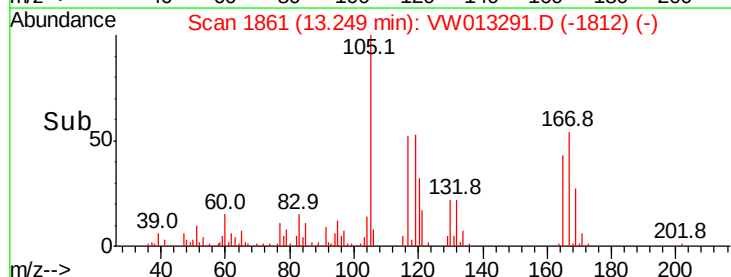
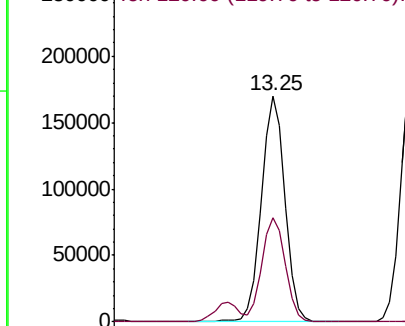


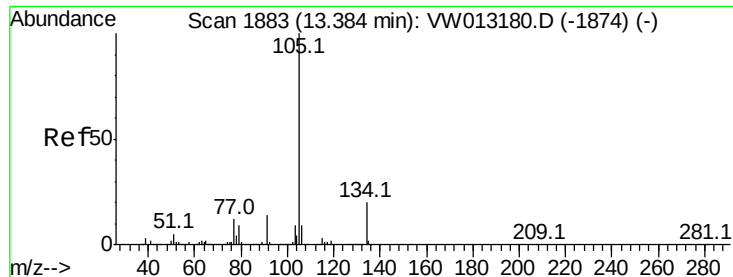
#84
 1,2,4-Trimethylbenzene
 Concen: 20.394 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

Tgt Ion:105 Resp: 263857
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 250000 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.590 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

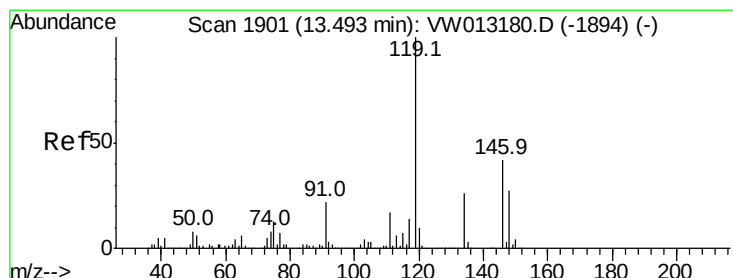
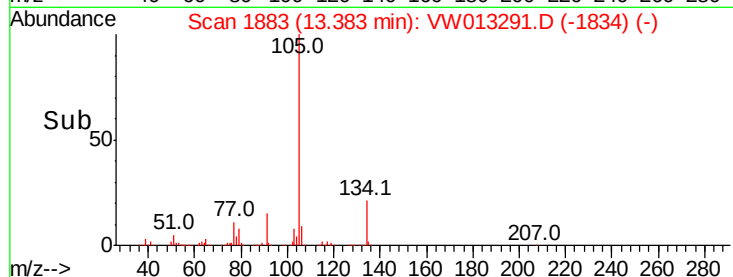
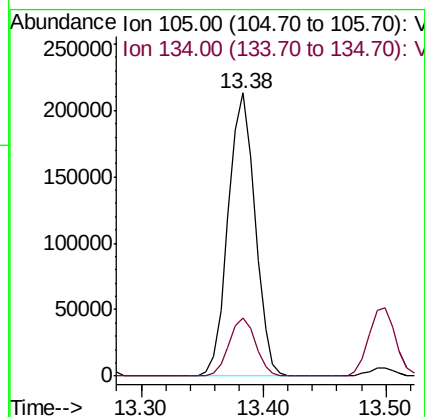
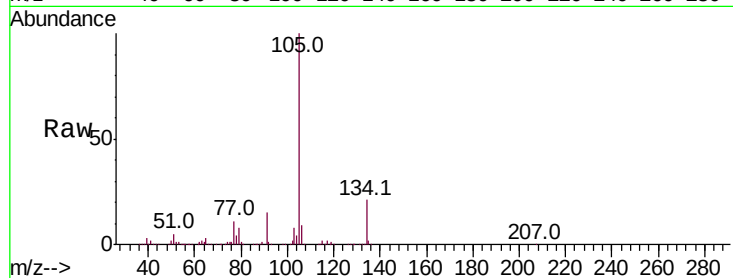
ClientSampleId :

Tot Ion:105 Resp: 323955

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.788 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

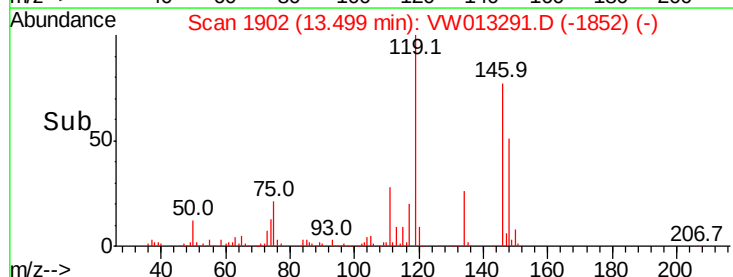
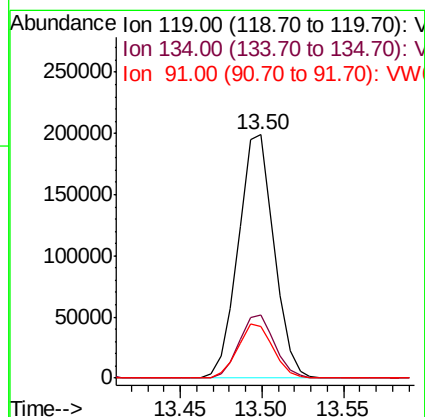
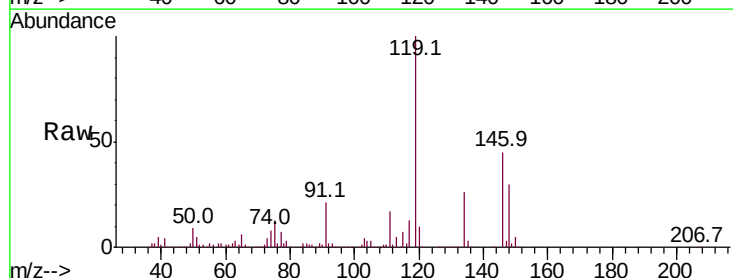
Tgt Ion:119 Resp: 303354

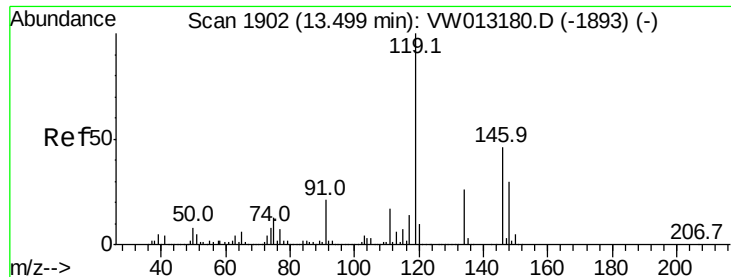
Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 21.9 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 20.506 ug/l

RT: 13.50 min Scan# 1902

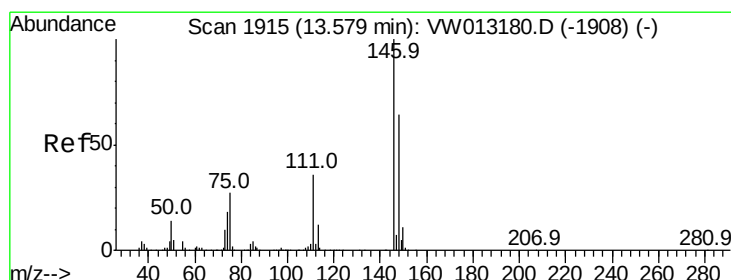
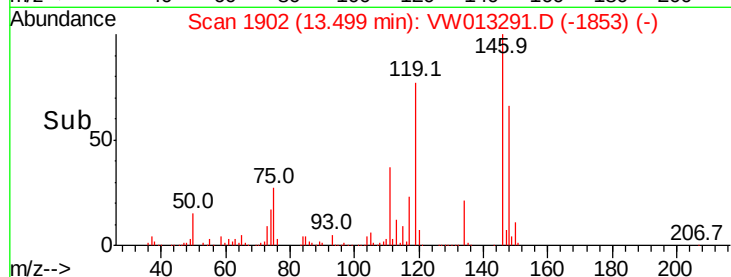
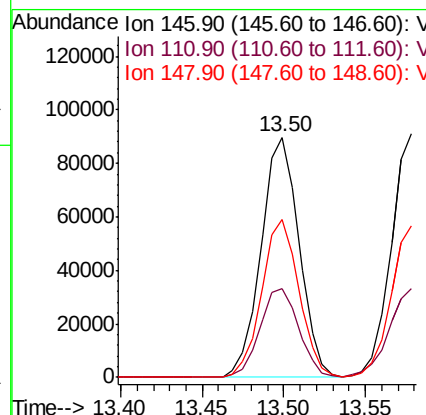
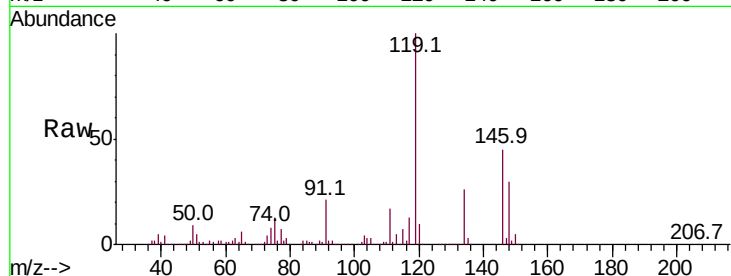
Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	64.6	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 20.761 ug/l

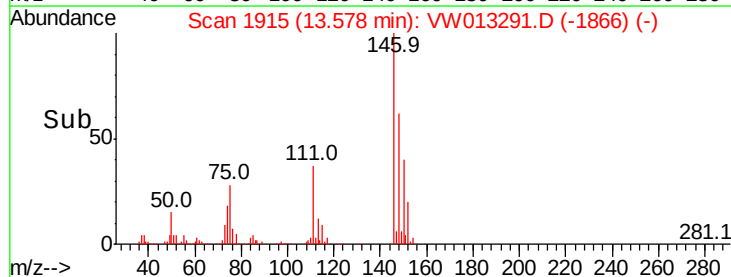
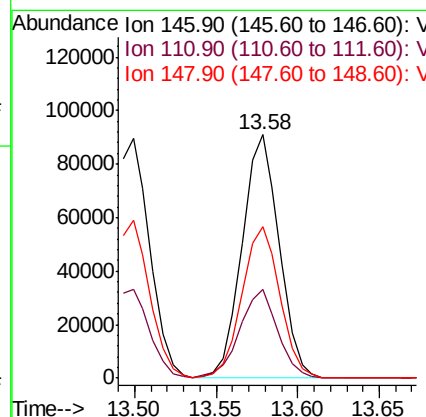
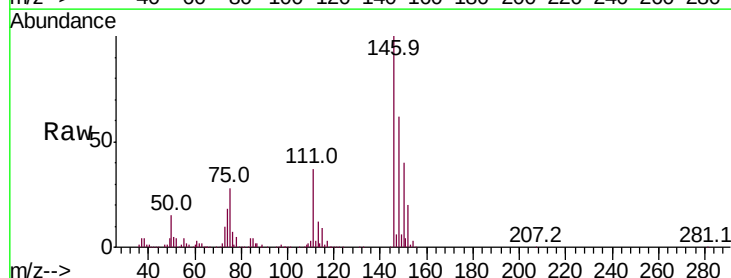
RT: 13.58 min Scan# 1915

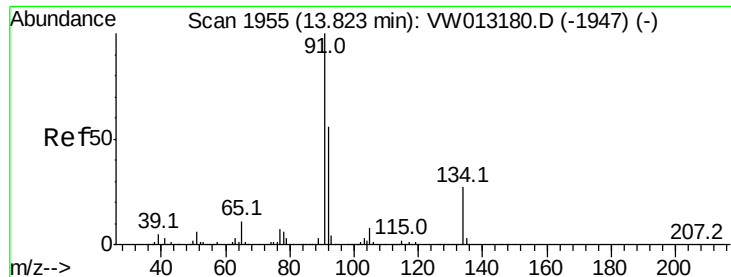
Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.0
148	63.9	32.1	96.3





#89

n-Butylbenzene

Concen: 20.720 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

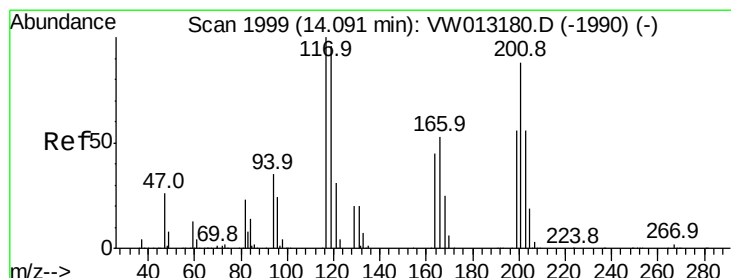
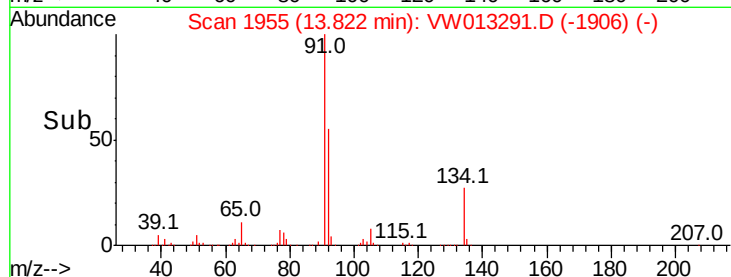
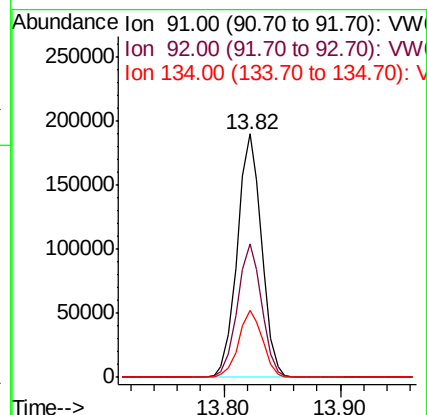
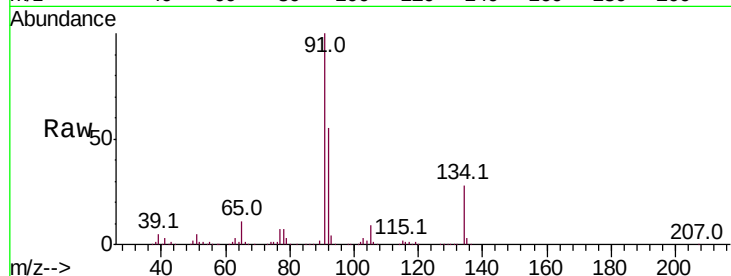
Tot Ion: 91 Resp: 276088

Ion Ratio Lower Upper

91 100

92 55.1 27.6 82.8

134 27.3 13.7 41.1



#90

Hexachloroethane

Concen: 19.772 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013291.D

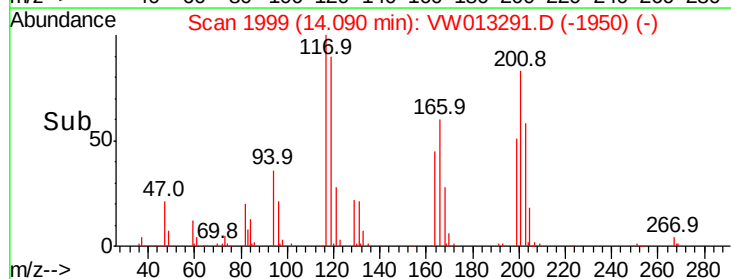
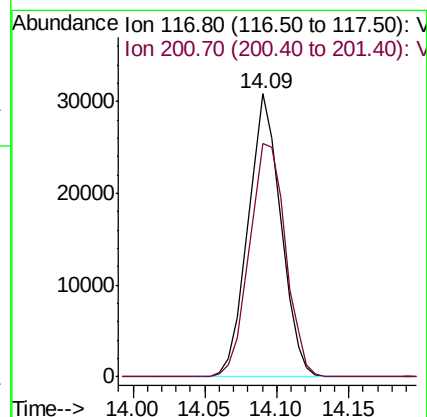
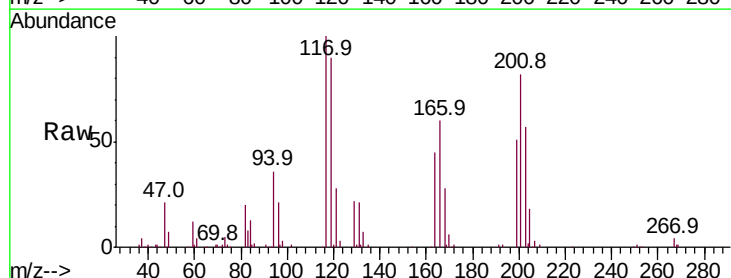
Acq: 25 Sep 2019 11:15

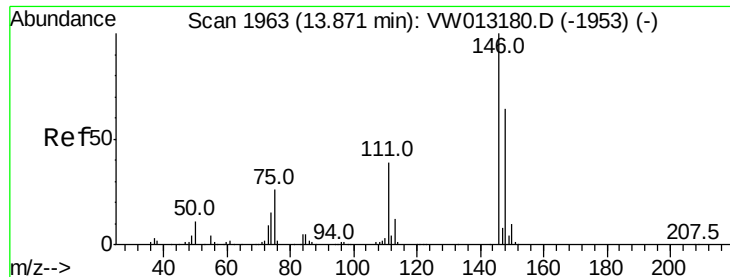
Tgt Ion: 117 Resp: 48472

Ion Ratio Lower Upper

117 100

201 91.0 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 21.281 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

Instrument :

MSVOA_W

ClientSampled :

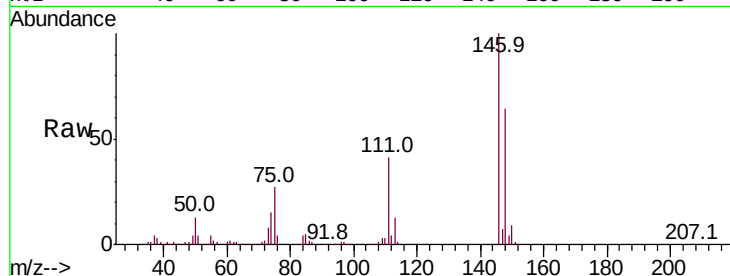
Tot Ion:146 Resp: 129875

Ion Ratio Lower Upper

146 100

111 38.6 20.1 60.3

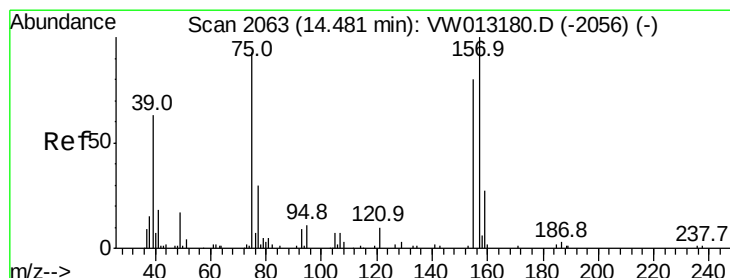
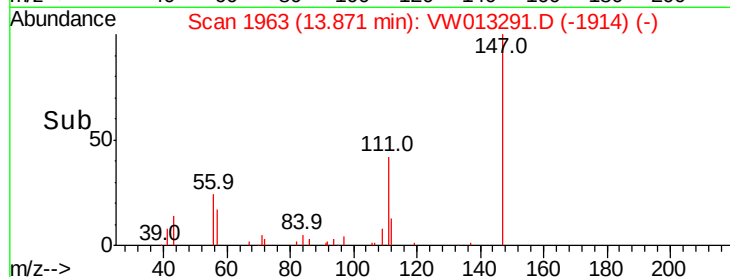
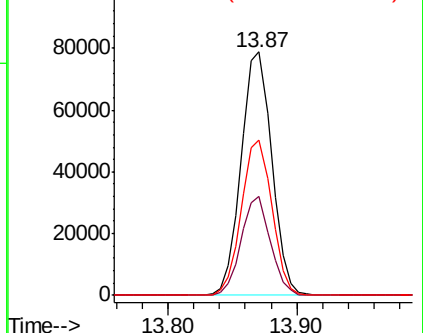
148 63.5 32.0 96.0



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: 22.248 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013291.D

Acq: 25 Sep 2019 11:15

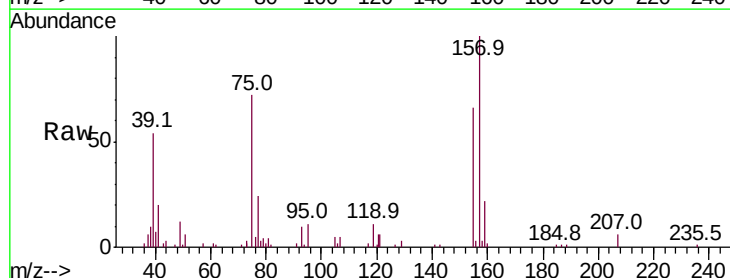
Tgt Ion: 75 Resp: 8803

Ion Ratio Lower Upper

75 100

155 96.9 46.1 138.3

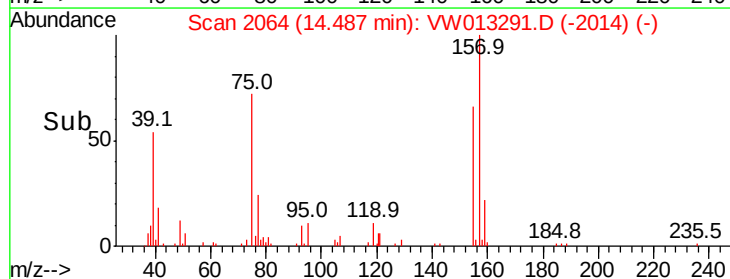
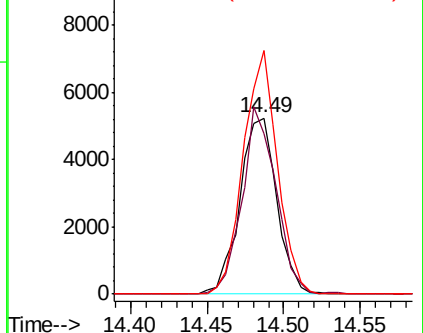
157 126.9 60.4 181.2

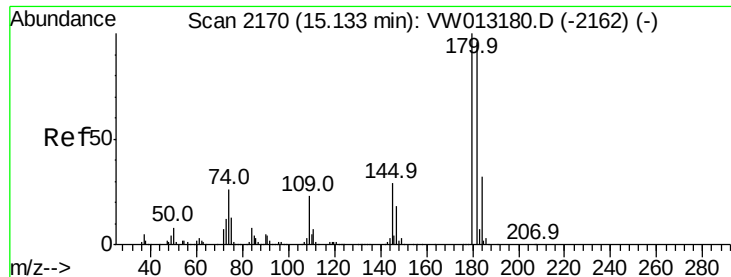


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

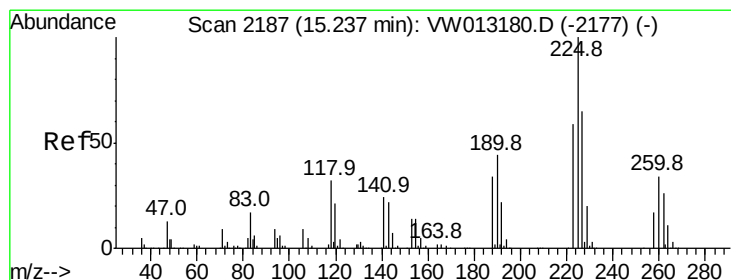
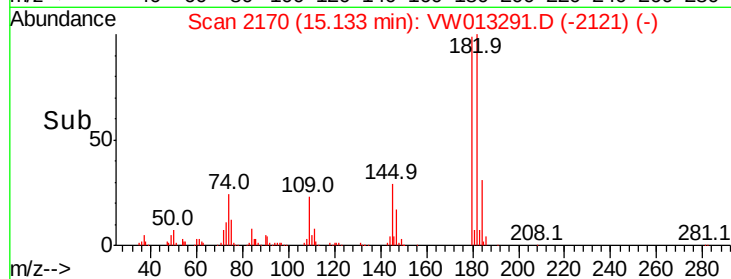
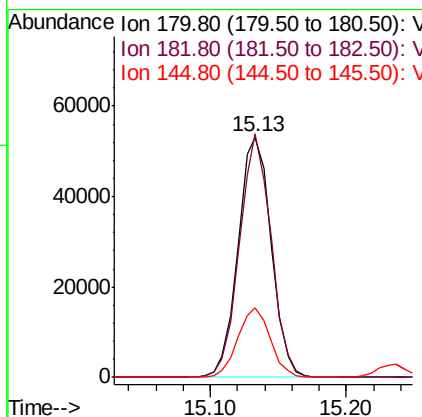
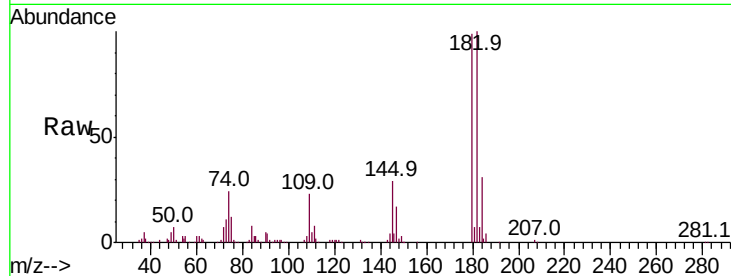




#93
 1,2,4-Trichlorobenzene
 Concen: 20.597 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

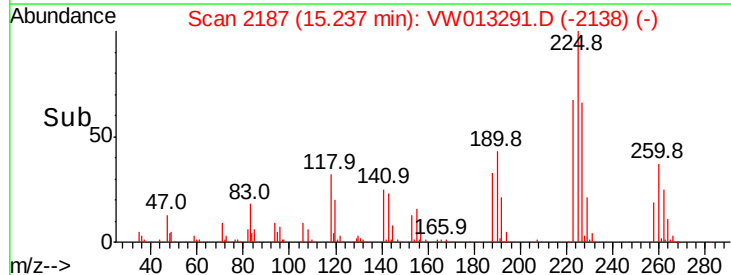
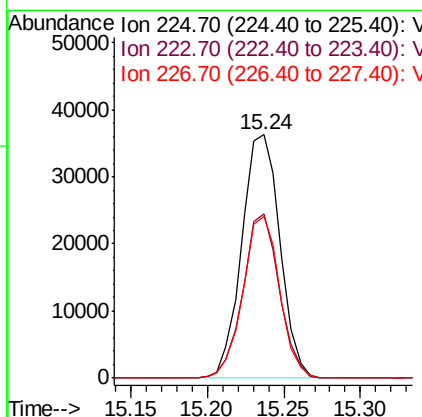
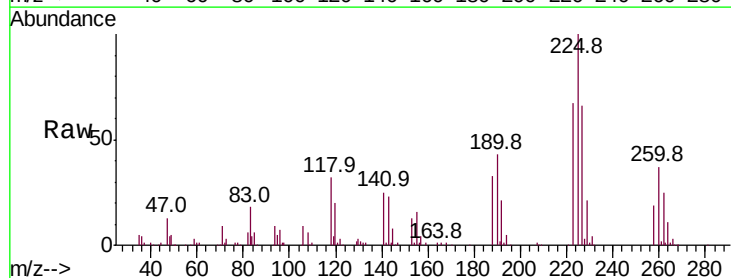
Instrument :
 MSVOA_W
 ClientSampleId :

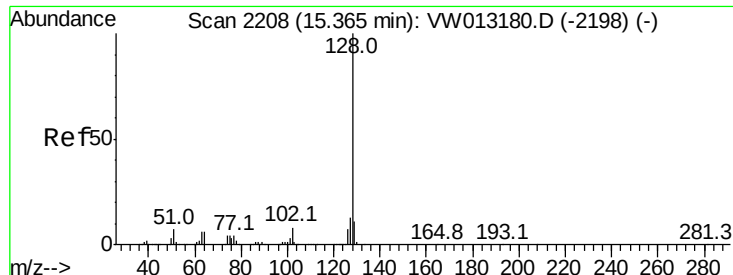
Tot Ion:180 Resp: 90072
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.3 142.0
 145 28.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 21.006 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013291.D
 Acq: 25 Sep 2019 11:15

Tgt Ion:225 Resp: 62848
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.6 91.8
 227 64.0 31.9 95.9

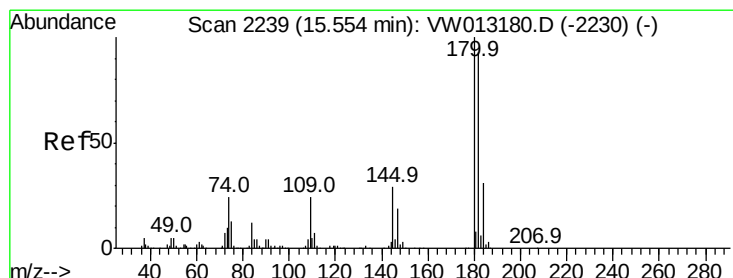
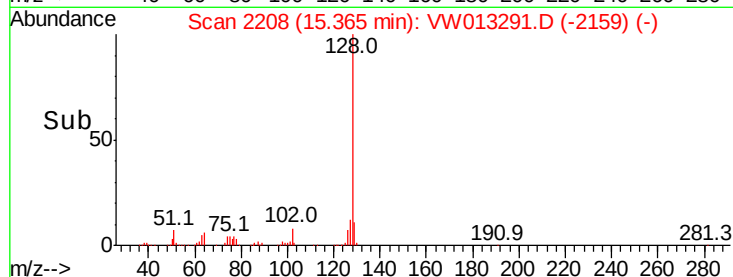
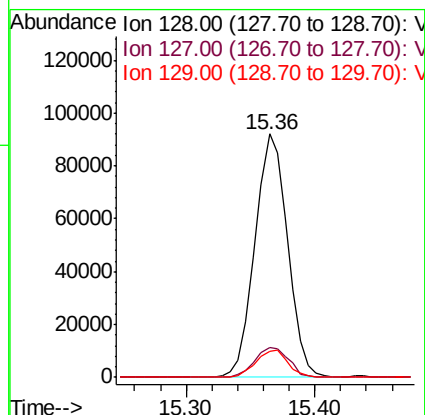
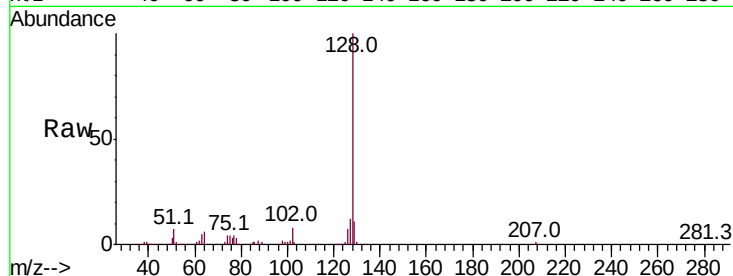




#95
Naphthalene
Concen: 22.522 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.080 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013291.D
Acq: 25 Sep 2019 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	29.4	15.0	45.0

