

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011841.D
 Acq On : 12 Aug 2019 10:32
 Operator : SY/VA
 Sample : VW0812SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:43:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164093	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	151917	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	7.88	113	125694	57.40	ug/l	0.00
Spiked Amount			Recovery	=	114.80%	
50) Toluene-d8	10.32	98	516302	57.59	ug/l	0.00
Spiked Amount			Recovery	=	115.18%	
62) 4-Bromofluorobenzene	12.62	95	178090	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	33952	24.575	ug/l	97
3) Chloromethane	2.21	50	49385	20.615	ug/l	96
4) Vinyl Chloride	2.35	62	64353	22.313	ug/l	98
5) Bromomethane	2.77	94	28866	18.082	ug/l	94
6) Chloroethane	2.90	64	28764	17.459	ug/l	98
7) Trichlorofluoromethane	3.23	101	31900	24.748	ug/l	94
8) Diethyl Ether	3.67	74	28407	19.438	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	53949	22.064	ug/l	99
10) Methyl Iodide	4.26	142	70767	20.480	ug/l	98
11) Tert butyl alcohol	5.22	59	15548	60.497	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	53421	20.692	ug/l	99
13) Acrolein	3.89	56	13344	65.333	ug/l	96
14) Allyl chloride	4.65	41	116874	21.285	ug/l	97
15) Acrylonitrile	5.36	53	66803	91.569	ug/l	99
16) Acetone	4.13	43	65959	72.845	ug/l	100
17) Carbon Disulfide	4.37	76	161656	20.006	ug/l	99
18) Methyl Acetate	4.67	43	35919	17.658	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	81980	20.010	ug/l	97
20) Methylene Chloride	4.91	84	60937	19.514	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58494	21.016	ug/l	97
22) Diisopropyl ether	6.31	45	213946	20.666	ug/l	97
23) Vinyl Acetate	6.25	43	621912	95.604	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118132	21.306	ug/l	99
25) 2-Butanone	7.17	43	93957	79.300	ug/l	98
26) 2,2-Dichloropropane	7.16	77	65094	19.090	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	62091	20.269	ug/l	99
28) Bromochloromethane	7.51	49	47407	19.263	ug/l	100
29) Tetrahydrofuran	7.53	42	58556	86.460	ug/l	99
30) Chloroform	7.67	83	108138	21.141	ug/l	99
31) Cyclohexane	7.95	56	113711	21.365	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	86355	22.167	ug/l	100
36) 1,1-Dichloropropene	8.08	75	91971	22.662	ug/l	99
37) Ethyl Acetate	7.25	43	42200	18.073	ug/l	100
38) Carbon Tetrachloride	8.07	117	79824	22.976	ug/l	99

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Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:43:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	101315	22.672	ug/l	98
40) Benzene	8.32	78	246882	21.717	ug/l	99
41) Methacrylonitrile	7.48	41	25119	17.997	ug/l	96
42) 1,2-Dichloroethane	8.40	62	75251	21.143	ug/l	100
43) Isopropyl Acetate	8.42	43	80052	18.642	ug/l	97
44) Trichloroethene	9.09	130	60938	22.303	ug/l	100
45) 1,2-Dichloropropane	9.37	63	65204	21.437	ug/l	96
46) Dibromomethane	9.46	93	28796	20.742	ug/l	98
47) Bromodichloromethane	9.64	83	76445	20.992	ug/l	99
48) Methyl methacrylate	9.43	41	38519	18.674	ug/l	98
49) 1,4-Dioxane	9.47	88	7082	352.314	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	203816	91.251	ug/l	100
52) Toluene	10.38	92	149083	21.716	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	76754	20.177	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94444	20.881	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39883	20.248	ug/l	97
56) Ethyl methacrylate	10.65	69	54789	19.008	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75737	20.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	142851	109.153	ug/l	100
59) 2-Hexanone	10.97	43	141189	89.527	ug/l	98
60) Dibromochloromethane	11.13	129	44174	20.203	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37483	20.108	ug/l	98
64) Tetrachloroethene	10.86	164	49857	22.834	ug/l	100
65) Chlorobenzene	11.66	112	146783	21.772	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	51273	21.833	ug/l	100
67) Ethyl Benzene	11.73	91	289080	22.513	ug/l	99
68) m/p-Xylenes	11.84	106	210234	45.021	ug/l	100
69) o-Xylene	12.16	106	96271	22.186	ug/l	99
70) Styrene	12.18	104	164813	21.967	ug/l	100
71) Bromoform	12.35	173	23860	19.927	ug/l #	96
73) Isopropylbenzene	12.46	105	272303	22.244	ug/l	99
74) N-amyl acetate	12.27	43	72253	18.852	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46104	20.022	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62360	35.916	ug/l #	100
77) Bromobenzene	12.75	156	58382	21.577	ug/l	99
78) n-propylbenzene	12.80	91	340791	22.875	ug/l	99
79) 2-Chlorotoluene	12.89	91	187360	21.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	231572	22.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14586	19.361	ug/l	94
82) 4-Chlorotoluene	12.99	91	197355	21.916	ug/l	99
83) tert-Butylbenzene	13.21	119	193625	22.564	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	227911	22.048	ug/l	100
85) sec-Butylbenzene	13.38	105	280285	22.891	ug/l	100
86) p-Isopropyltoluene	13.50	119	251671	22.654	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	114671	21.614	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112831	21.379	ug/l	98
89) n-Butylbenzene	13.82	91	249831	22.535	ug/l	100
90) Hexachloroethane	14.09	117	43673	22.231	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99968	21.304	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7358	18.739	ug/l	97

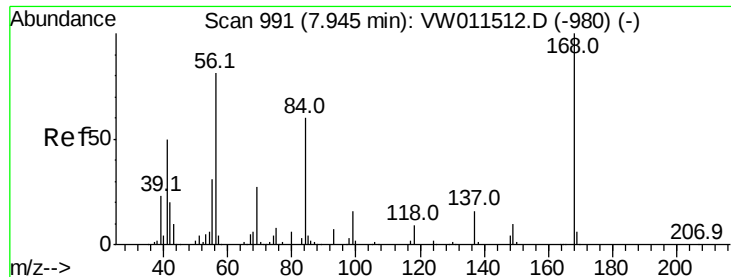
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69677	21.069	ug/l	99
94) Hexachlorobutadiene	15.24	225	46840	22.712	ug/l	98
95) Naphthalene	15.37	128	109066	18.206	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	59325	20.465	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: VW011841.D

Acq: 12 Aug 2019 10:32

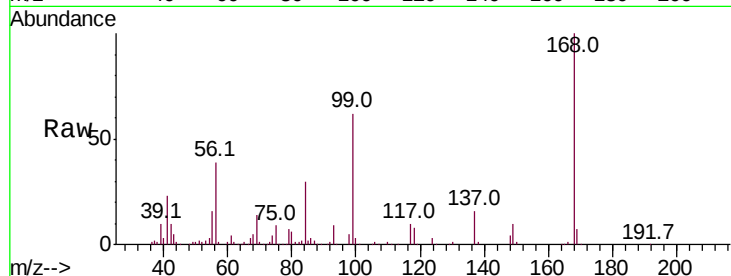
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 247893

Ion Ratio Lower Upper

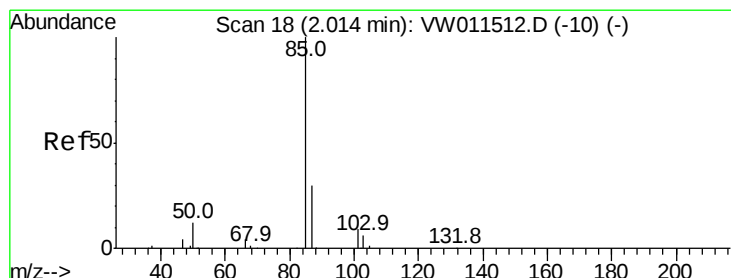
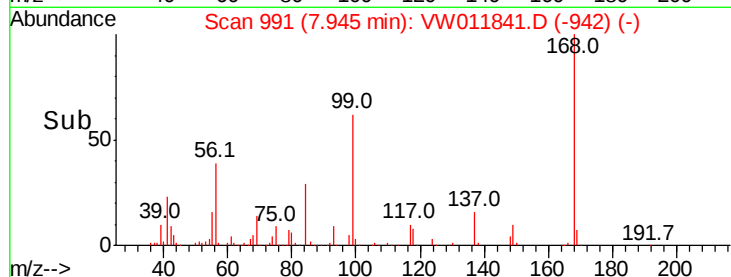
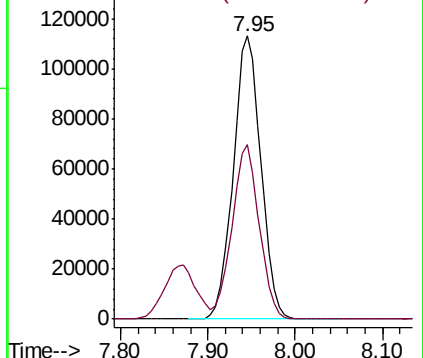
168 100

99 61.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 24.575 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011841.D

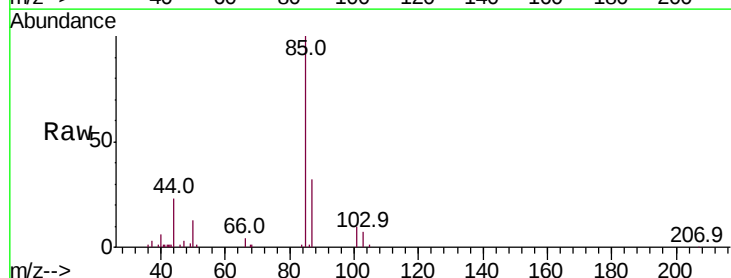
Acq: 12 Aug 2019 10:32

Tgt Ion: 85 Resp: 33952

Ion Ratio Lower Upper

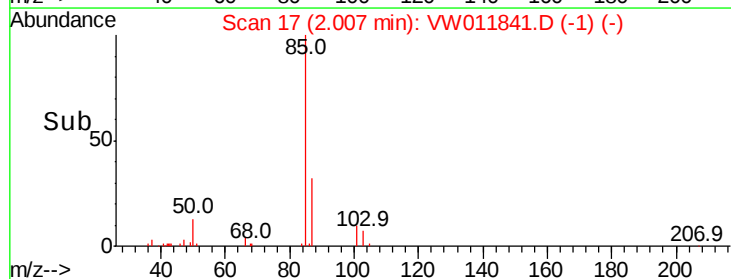
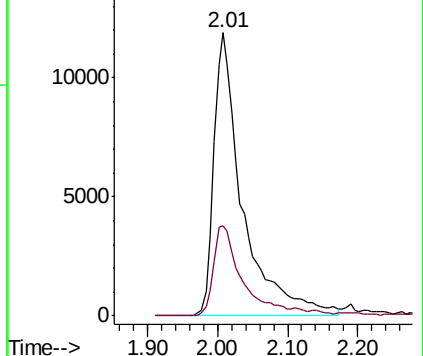
85 100

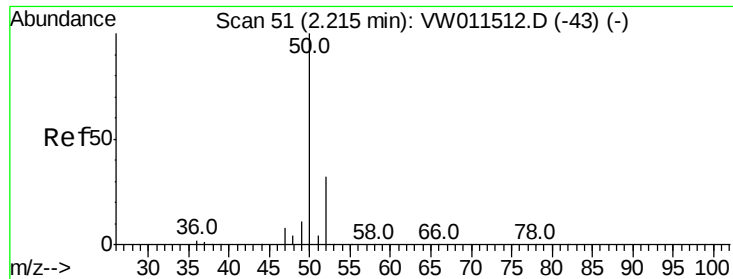
87 31.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.615 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

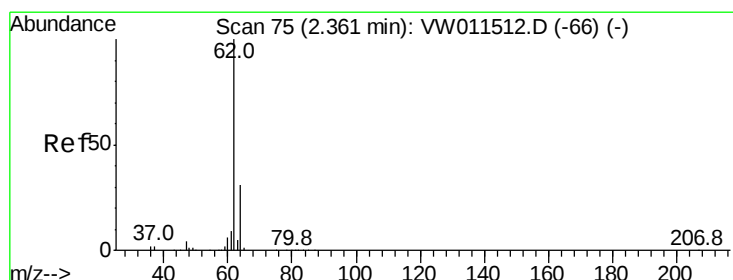
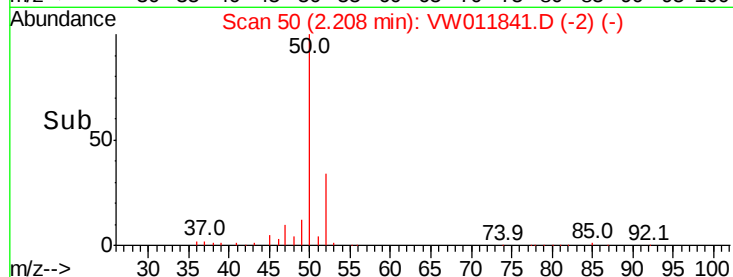
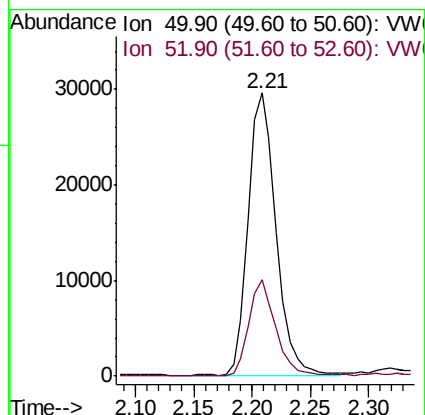
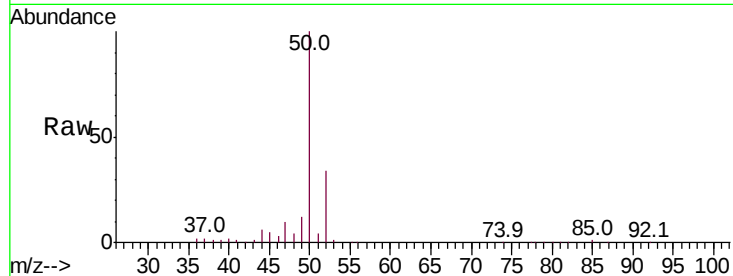
ClientSampleId :

Tot Ion: 50 Resp: 49385

Ion Ratio Lower Upper

50 100

52 34.0 25.4 38.2



#4

Vinyl Chloride

Concen: 22.313 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011841.D

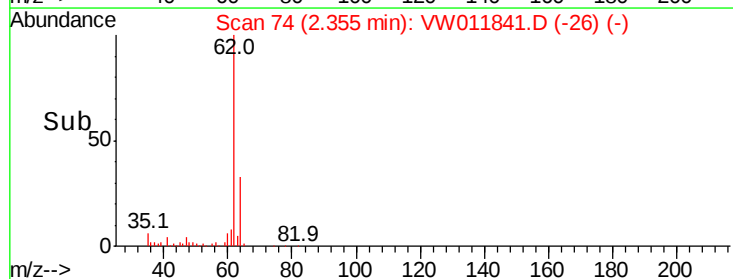
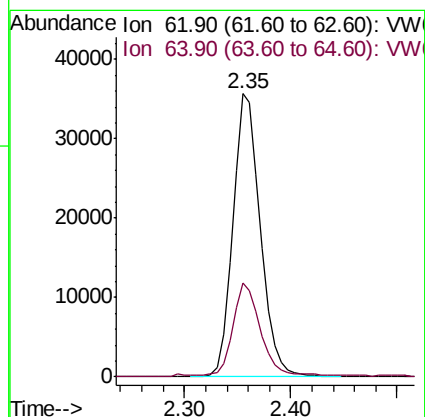
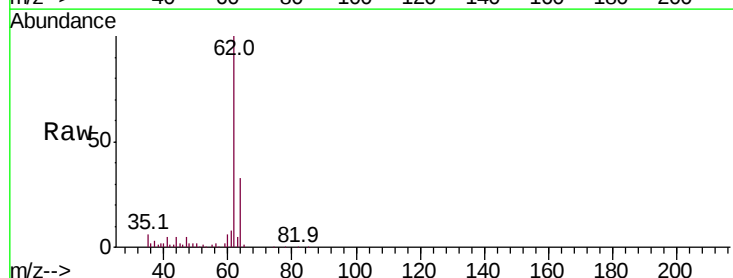
Acq: 12 Aug 2019 10:32

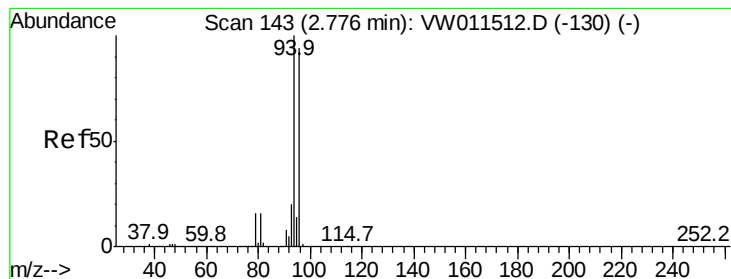
Tgt Ion: 62 Resp: 64353

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.4





#5

Bromomethane

Concen: 18.082 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

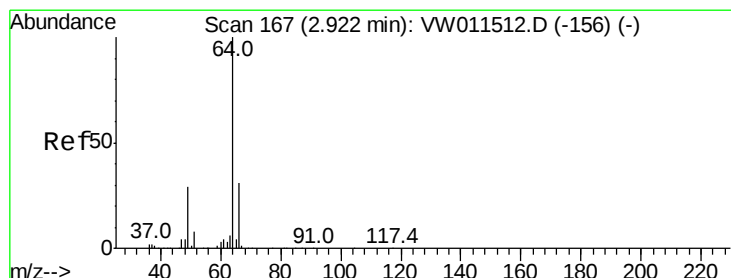
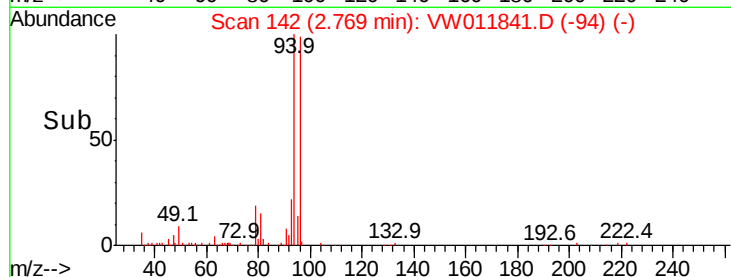
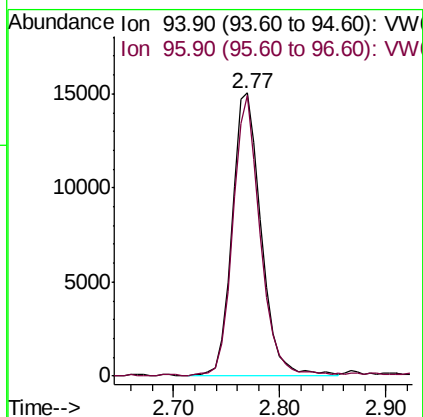
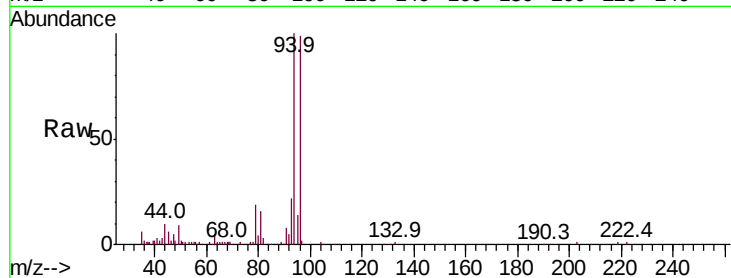
ClientSampleId :

Tot Ion: 94 Resp: 28866

Ion Ratio Lower Upper

94 100

96 99.4 75.0 112.6



#6

Chloroethane

Concen: 17.459 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW011841.D

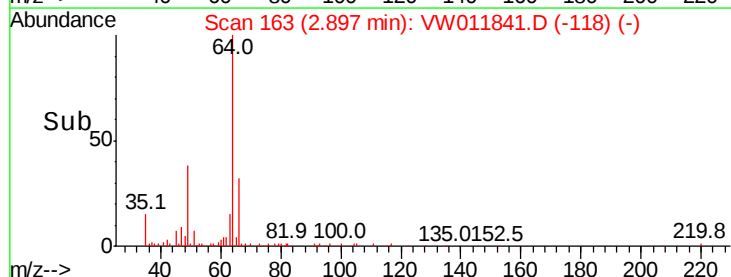
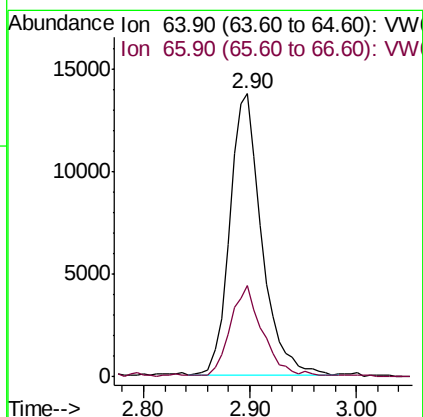
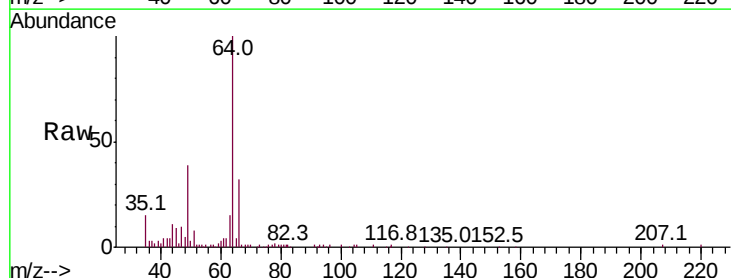
Acq: 12 Aug 2019 10:32

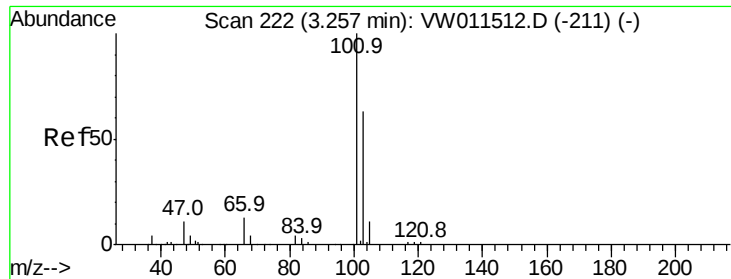
Tgt Ion: 64 Resp: 28764

Ion Ratio Lower Upper

64 100

66 31.9 24.6 36.8



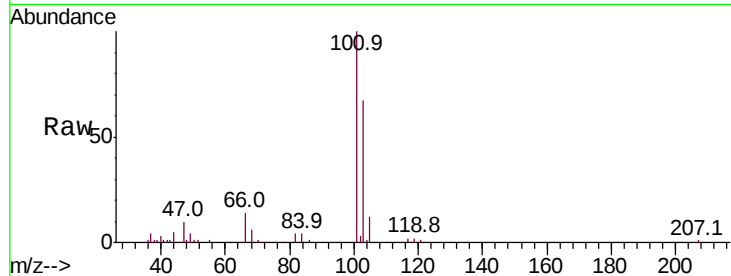


#7

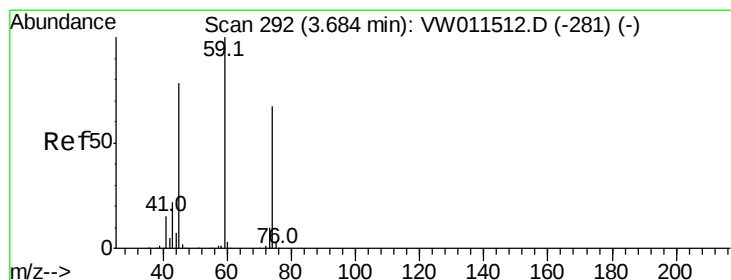
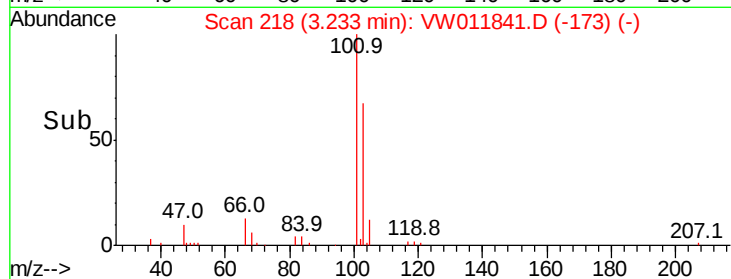
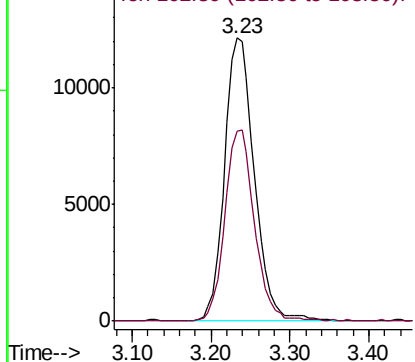
Trichlorofluoromethane
Concen: 24.748 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 31900
Ion Ratio Lower Upper
101 100
103 67.1 50.2 75.4



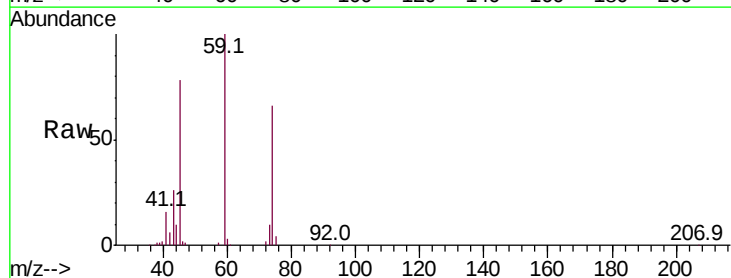
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



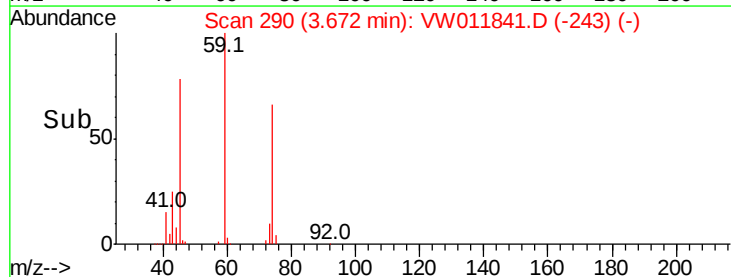
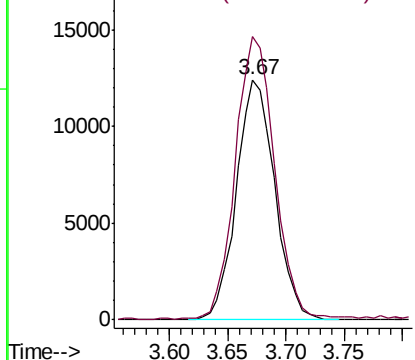
#8

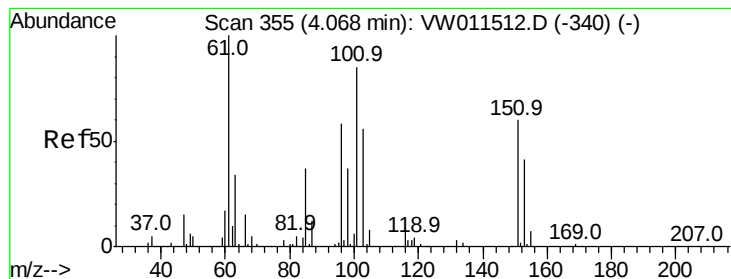
Diethyl Ether
Concen: 19.438 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 74 Resp: 28407
Ion Ratio Lower Upper
74 100
45 121.5 59.6 178.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.064 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

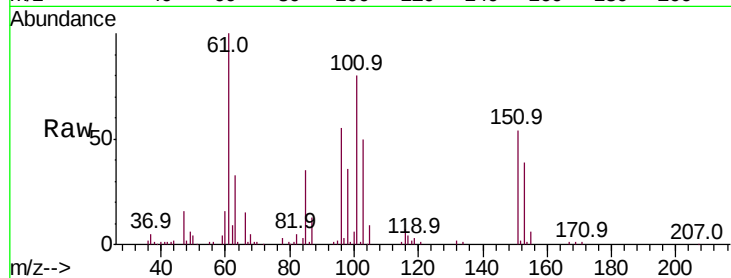
Tot Ion:101 Resp: 53949

Ion Ratio Lower Upper

101 100

85 45.8 36.6 54.8

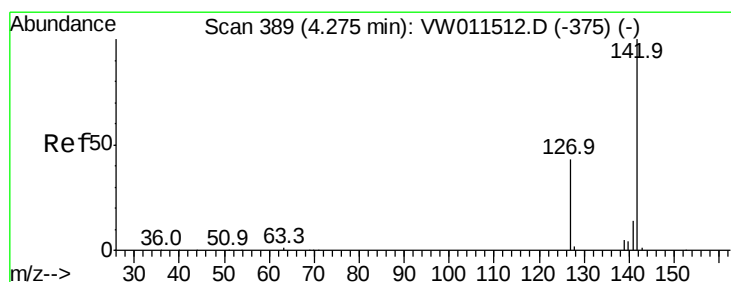
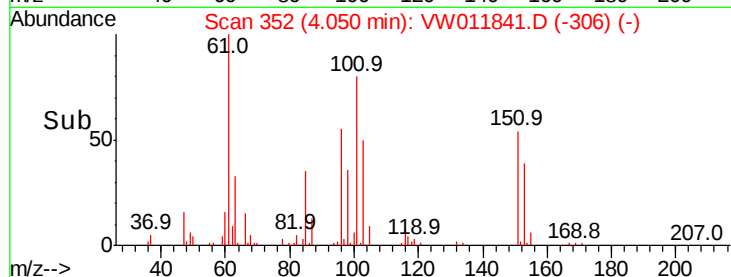
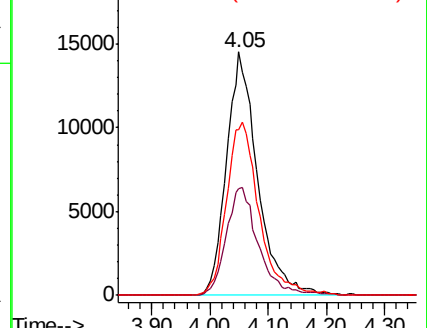
151 74.4 60.2 90.2



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: 20.480 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.02 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

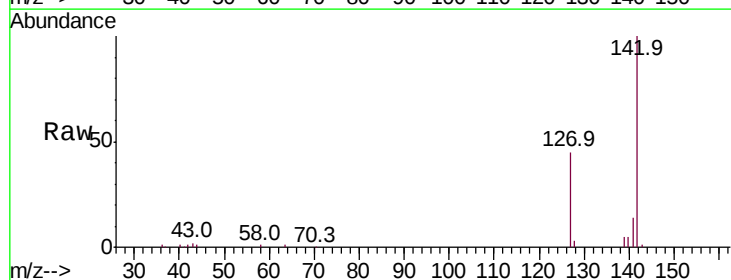
Tgt Ion:142 Resp: 70767

Ion Ratio Lower Upper

142 100

127 45.2 35.0 52.6

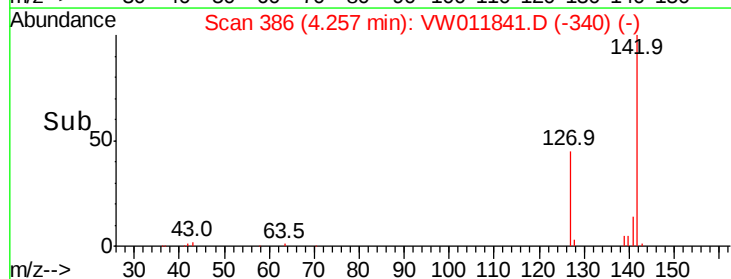
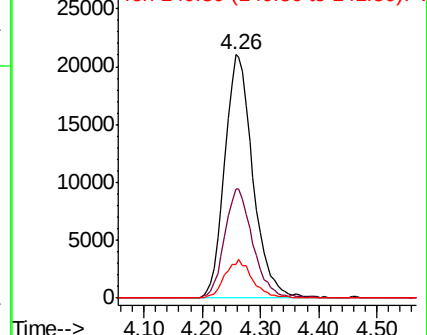
141 15.4 11.9 17.9

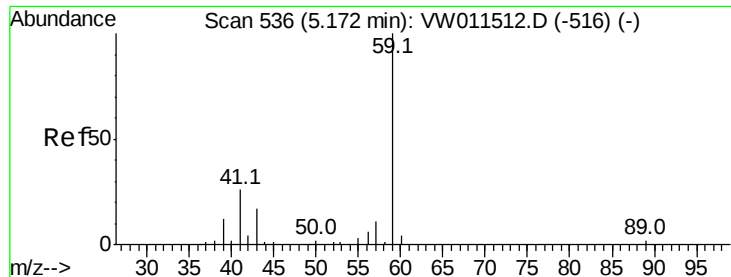


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



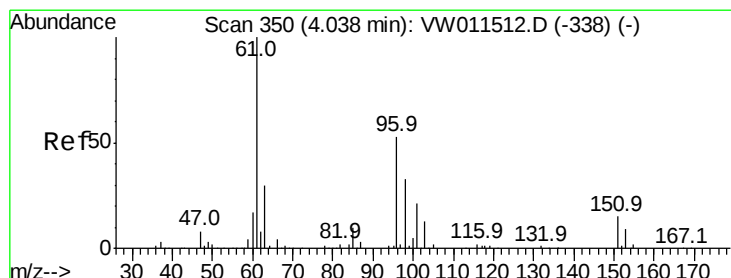
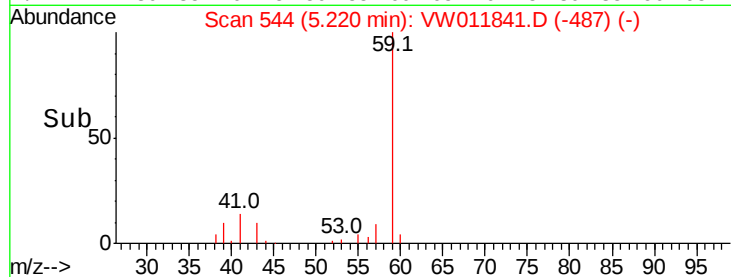
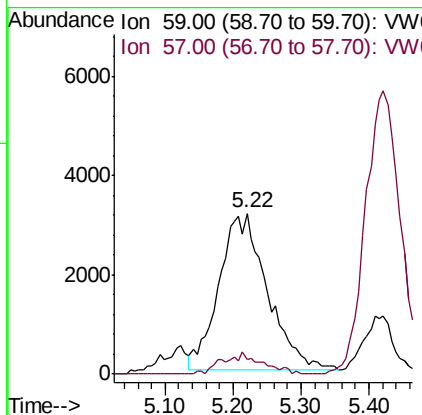
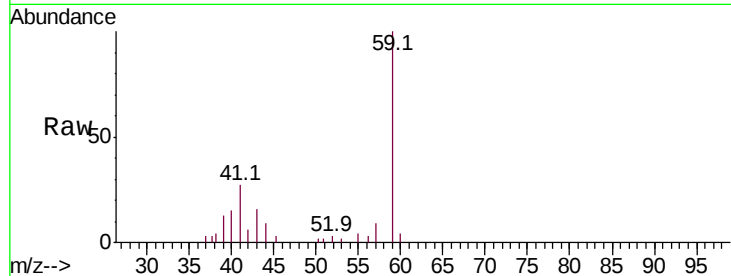


#11

Tert butyl alcohol
 Concen: 60.497 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.05 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampled :

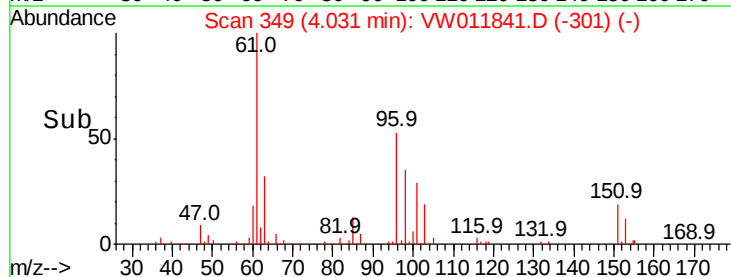
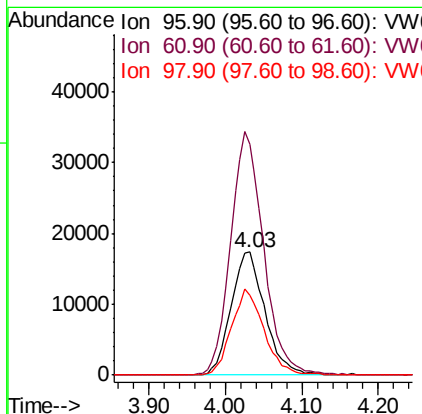
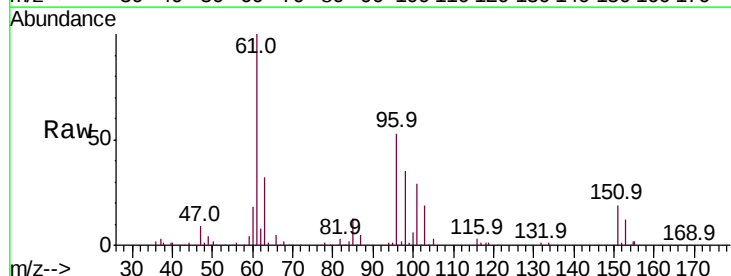
Tot Ion: 59 Resp: 15548
 Ion Ratio Lower Upper
 59 100
 57 8.4 8.5 12.7#

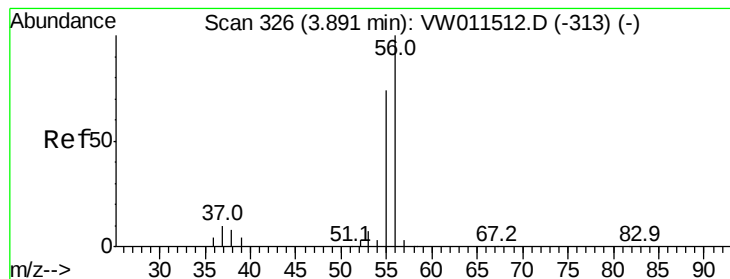


#12

1,1-Dichloroethene
 Concen: 20.692 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion: 96 Resp: 53421
 Ion Ratio Lower Upper
 96 100
 61 187.5 149.9 224.9
 98 64.7 49.1 73.7





#13

Acrolein

Concen: 65.333 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

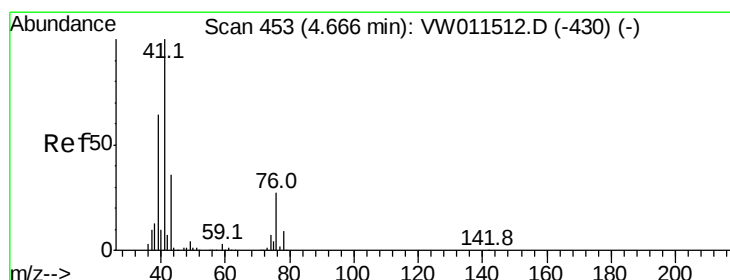
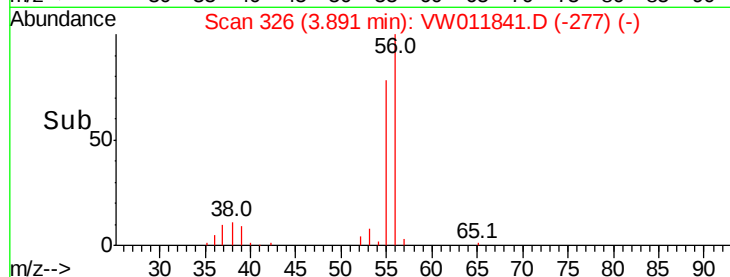
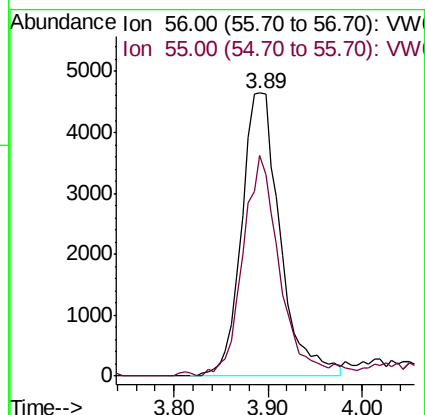
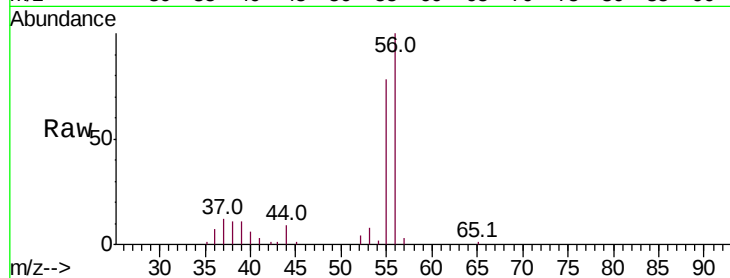
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 13344

Ion Ratio Lower Upper

56 100

55 73.2 56.0 84.0



#14

Allyl chloride

Concen: 21.285 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

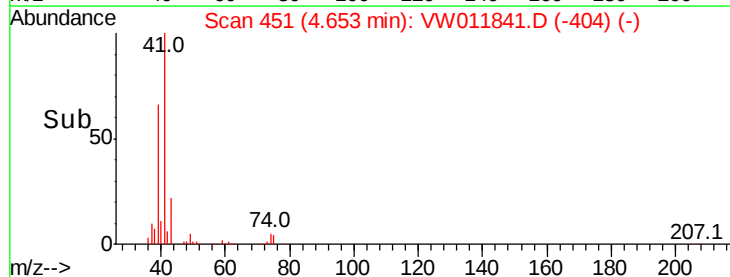
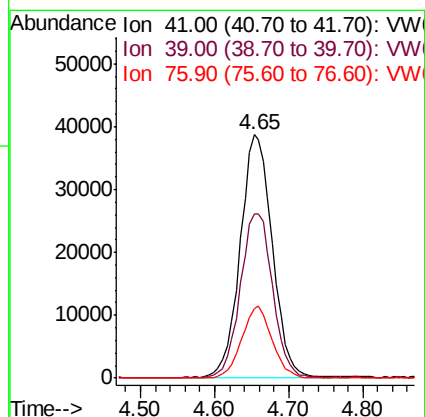
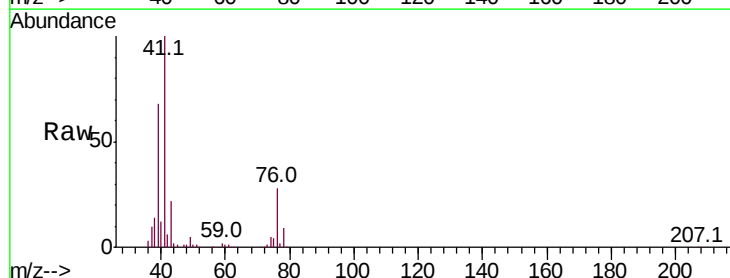
Tgt Ion: 41 Resp: 116874

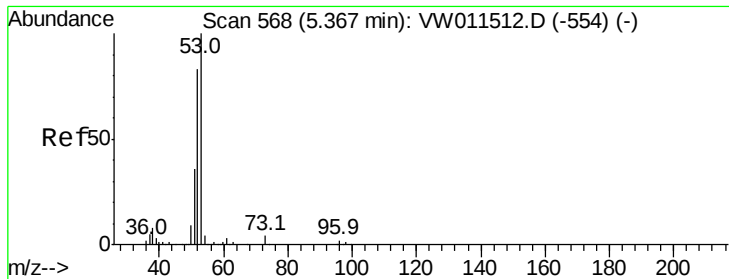
Ion Ratio Lower Upper

41 100

39 68.6 52.6 78.8

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 91.569 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampled :

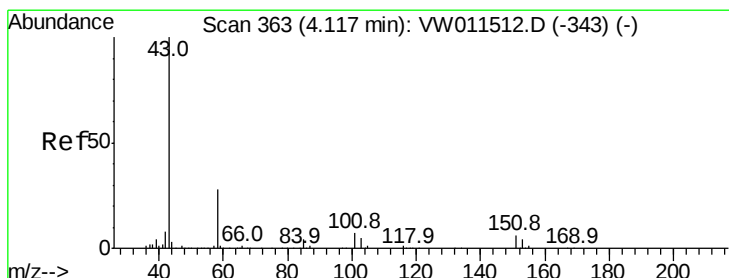
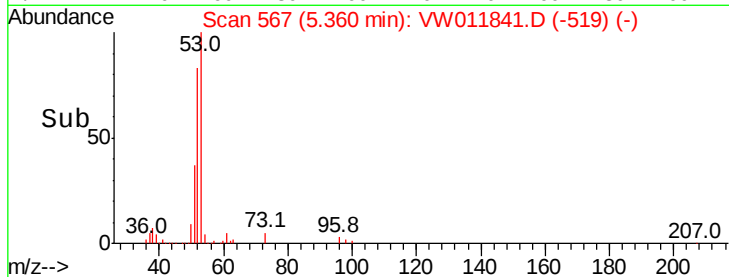
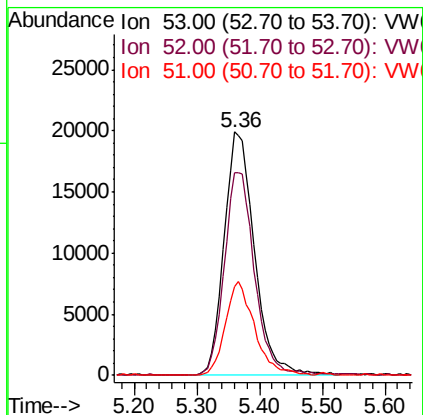
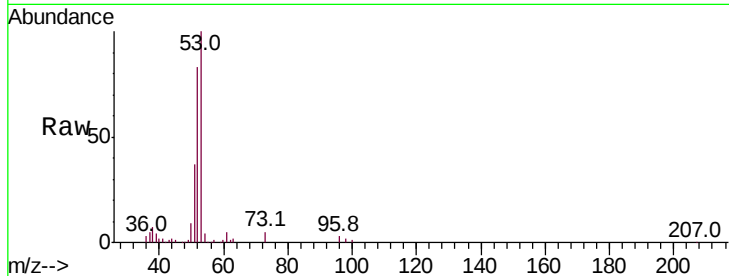
Tot Ion: 53 Resp: 66803

Ion Ratio Lower Upper

53 100

52 82.6 67.2 100.8

51 37.2 30.0 45.0



#16

Acetone

Concen: 72.845 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011841.D

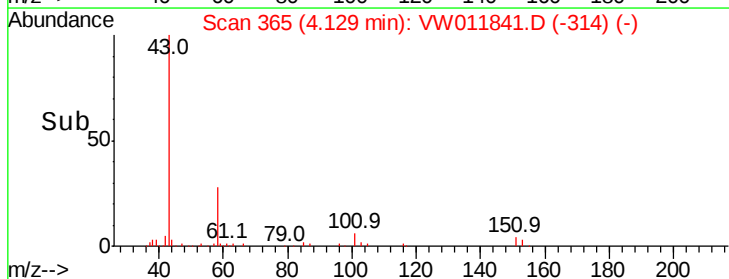
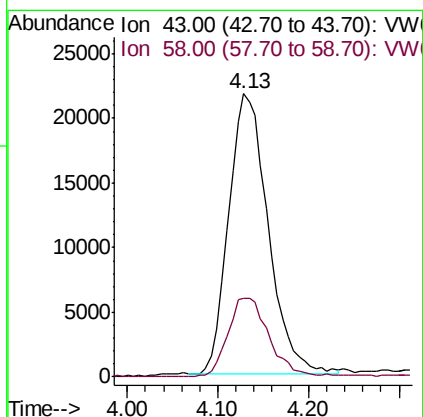
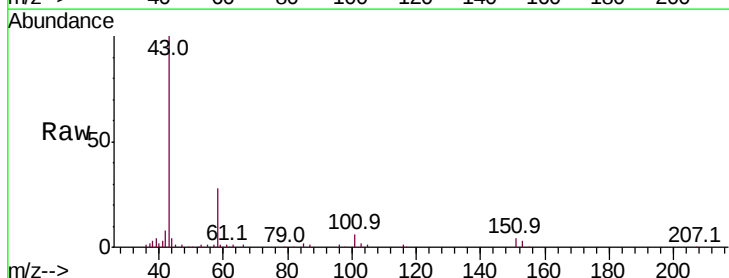
Acq: 12 Aug 2019 10:32

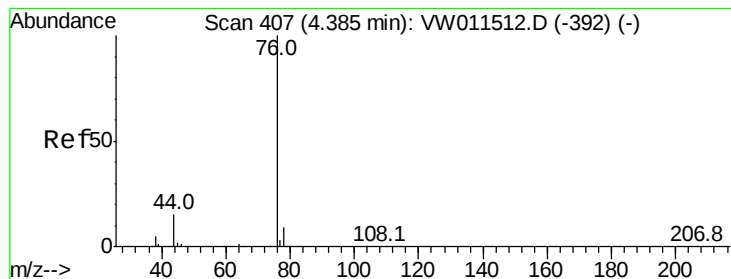
Tgt Ion: 43 Resp: 65959

Ion Ratio Lower Upper

43 100

58 27.7 22.3 33.5





#17

Carbon Disulfide

Concen: 20.006 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

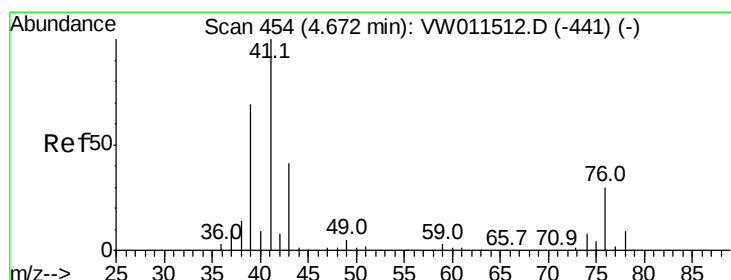
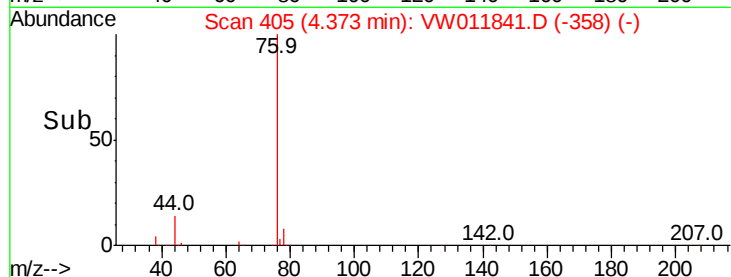
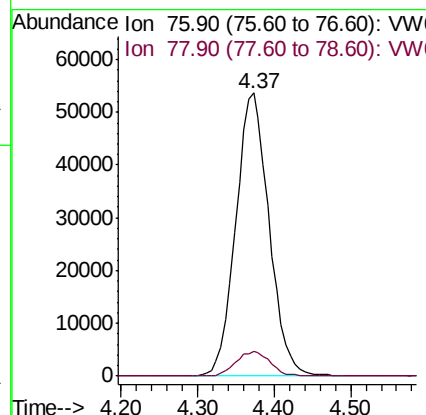
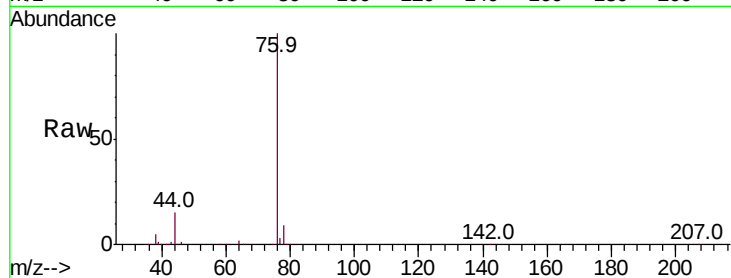
ClientSampleId :

Tot Ion: 76 Resp: 161656

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 17.658 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011841.D

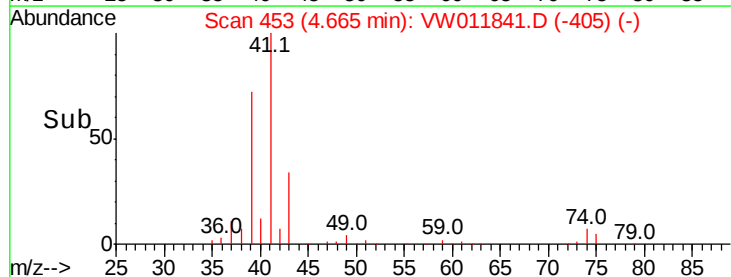
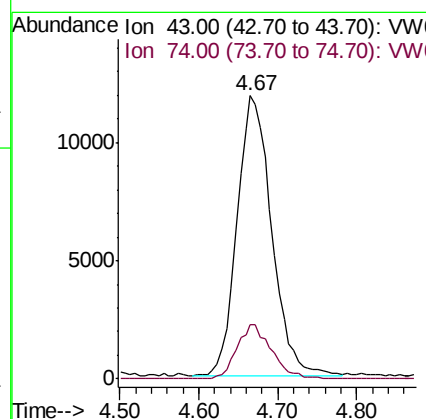
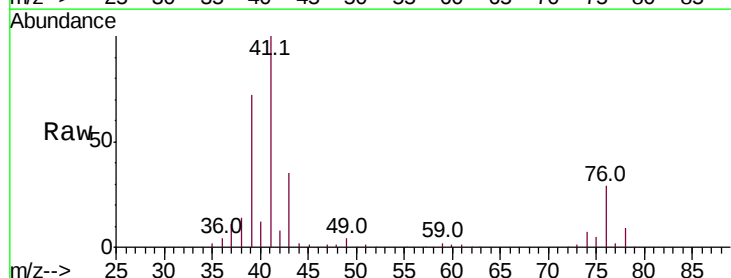
Acq: 12 Aug 2019 10:32

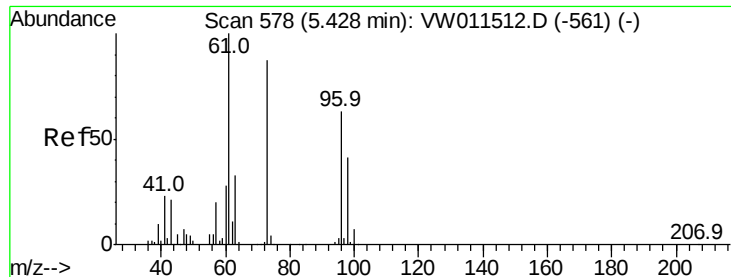
Tgt Ion: 43 Resp: 35919

Ion Ratio Lower Upper

43 100

74 19.5 15.9 23.9

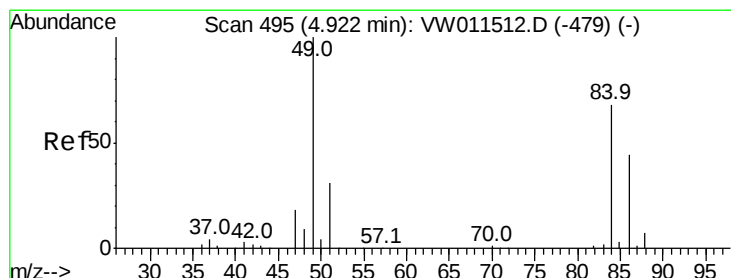
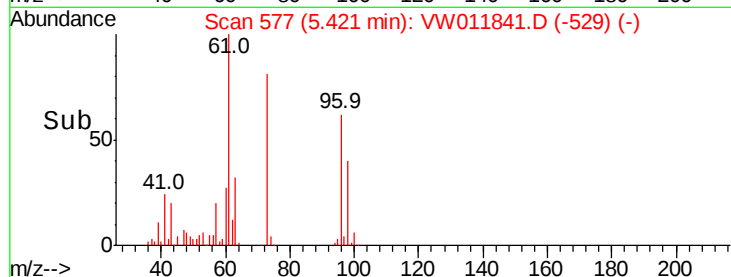
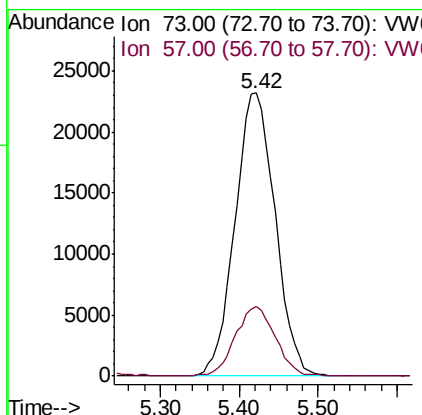
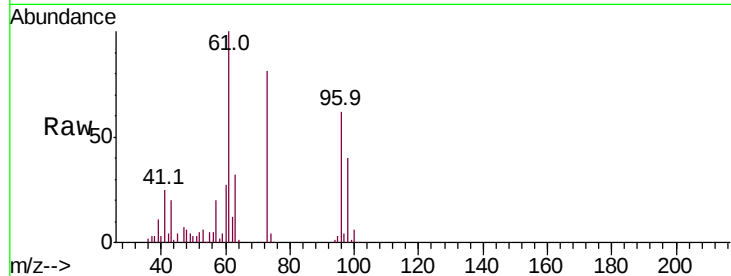




#19
Methvl tert-butvl Ether
Concen: 20.010 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

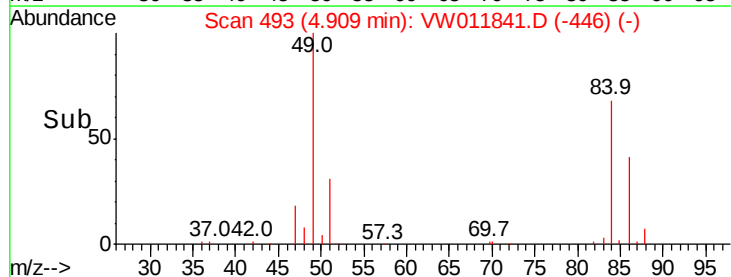
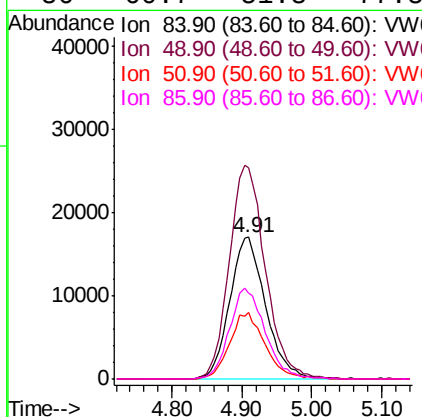
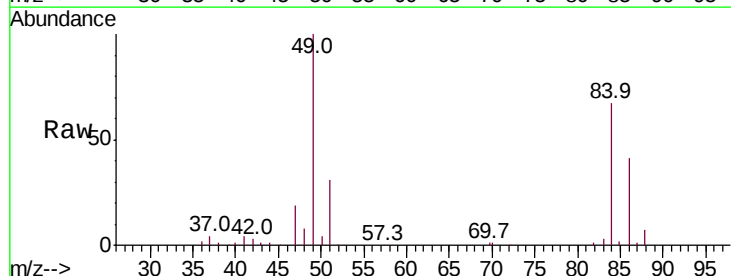
Instrument :
MSVOA_W
ClientSampled :

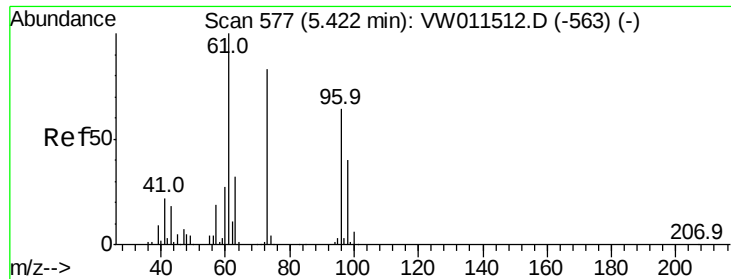
Tot Ion: 73 Resp: 81980
Ion Ratio Lower Upper
73 100
57 24.6 18.4 27.6



#20
Methylene Chloride
Concen: 19.514 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 84 Resp: 60937
Ion Ratio Lower Upper
84 100
49 149.0 117.8 176.6
51 46.5 37.0 55.4
86 60.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.016 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

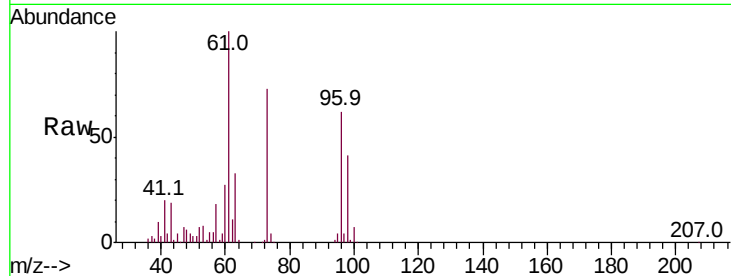
Tot Ion: 96 Resp: 58494

Ion Ratio Lower Upper

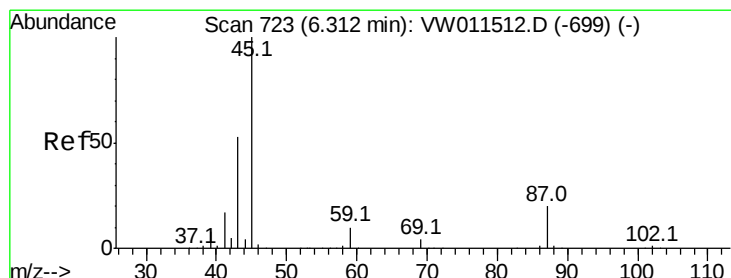
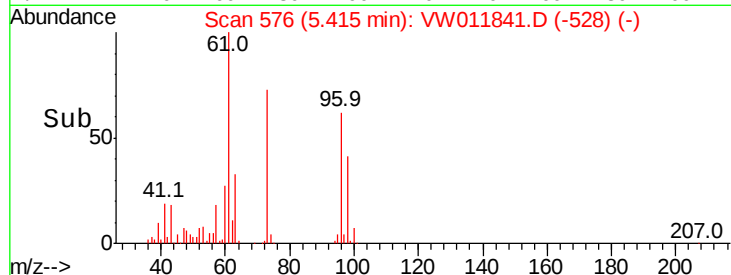
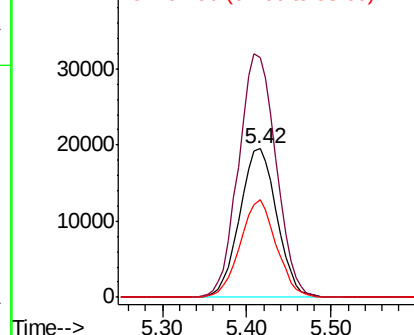
96 100

61 161.0 125.7 188.5

98 65.6 50.3 75.5



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: 20.666 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion: 45 Resp: 213946

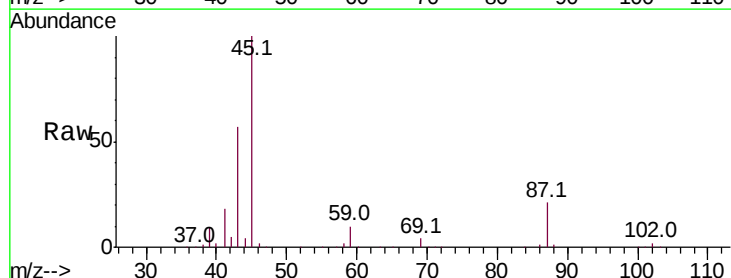
Ion Ratio Lower Upper

45 100

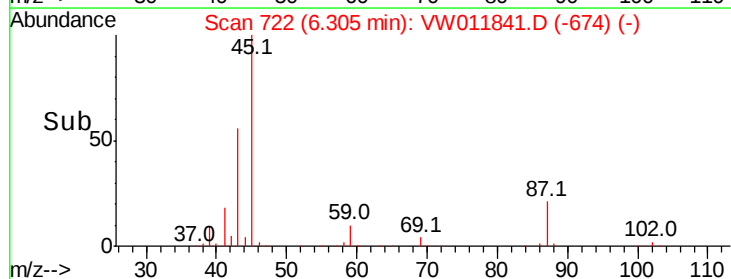
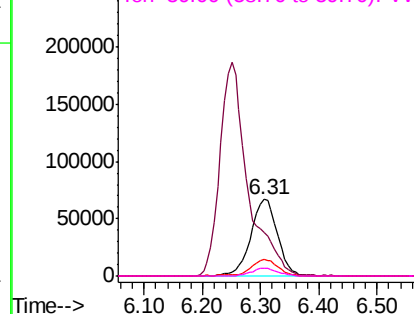
43 56.3 42.6 63.8

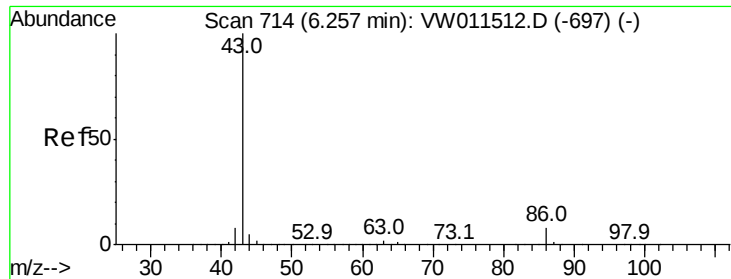
87 21.3 16.4 24.6

59 9.7 8.2 12.2



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: 95.604 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

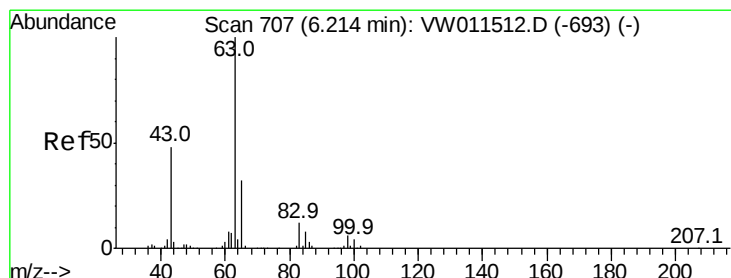
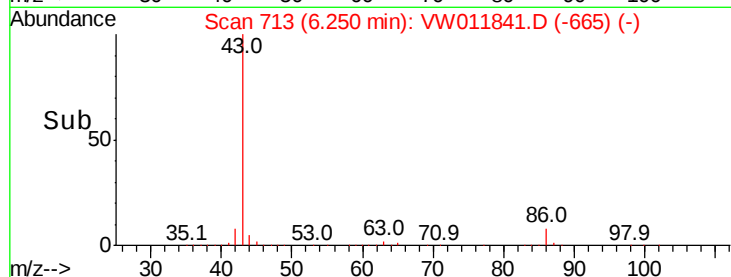
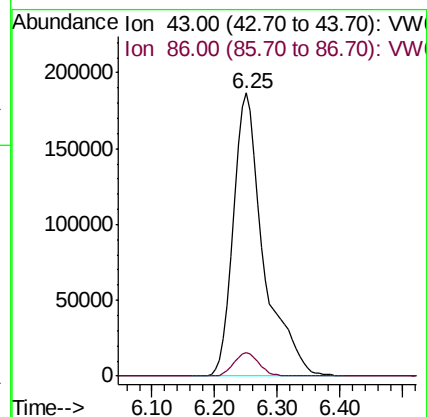
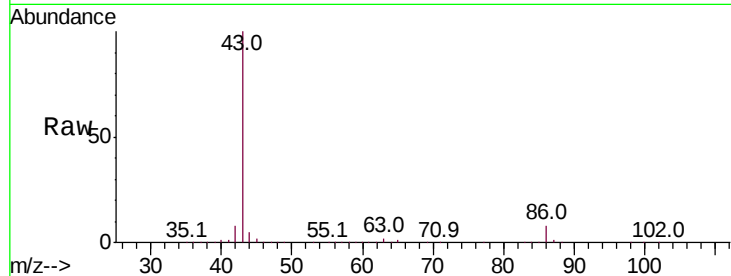
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 621912

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.306 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

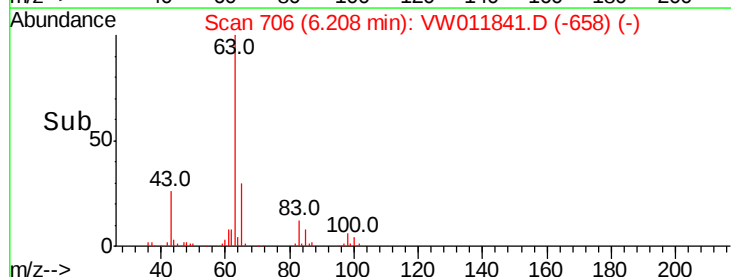
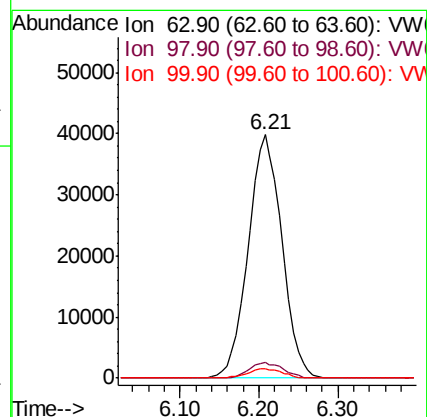
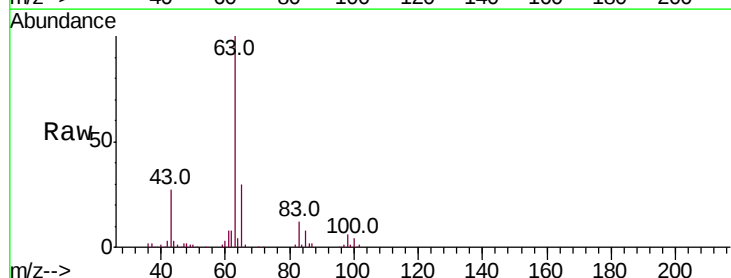
Tgt Ion: 63 Resp: 118132

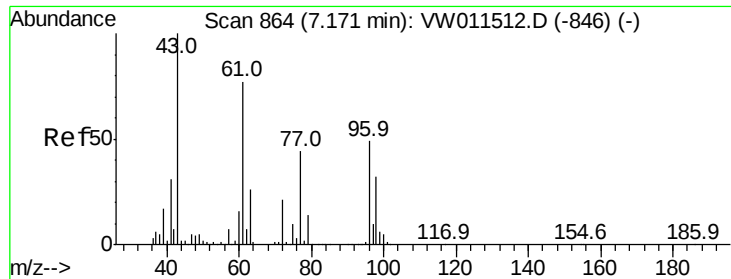
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 79.300 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

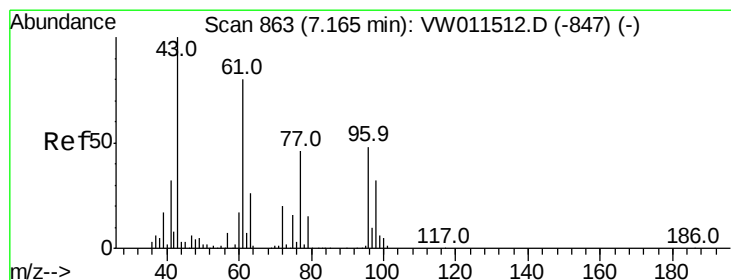
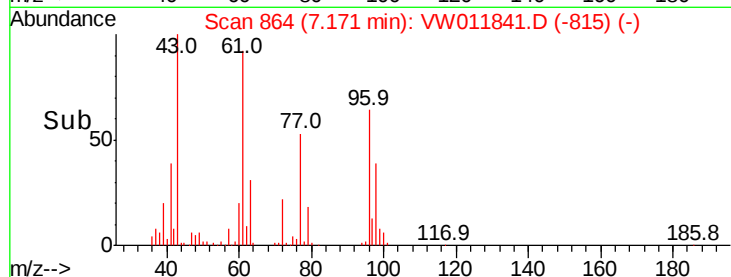
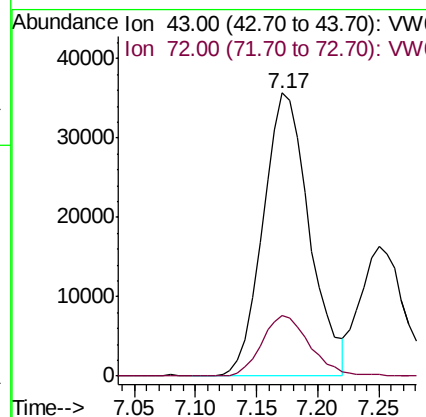
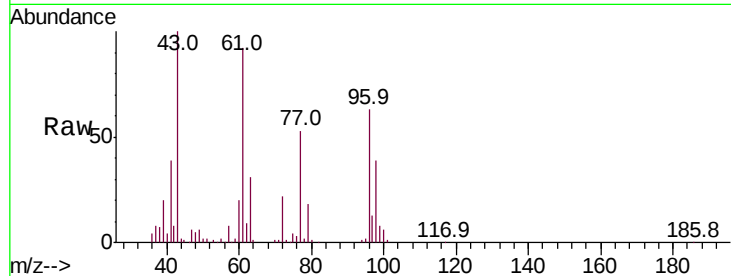
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 93957

Ion Ratio Lower Upper

43 100

72 21.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.090 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011841.D

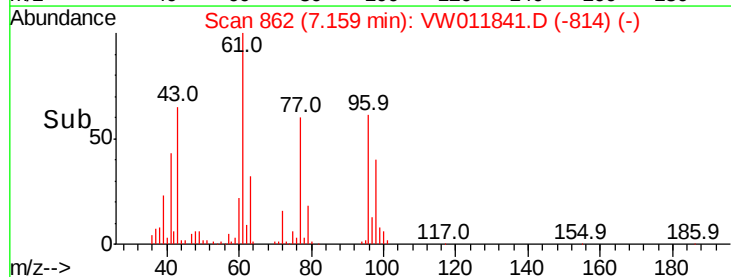
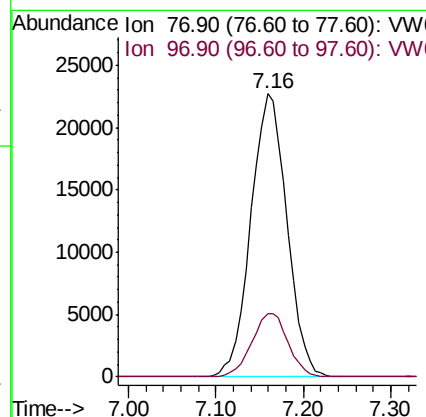
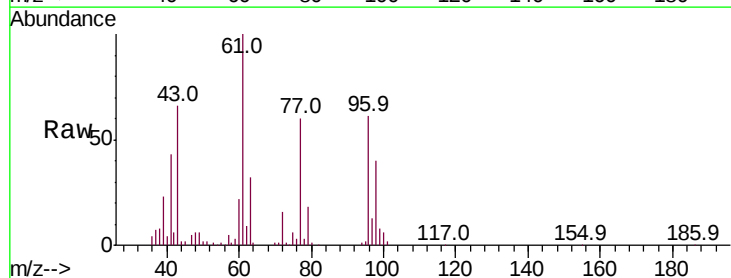
Acq: 12 Aug 2019 10:32

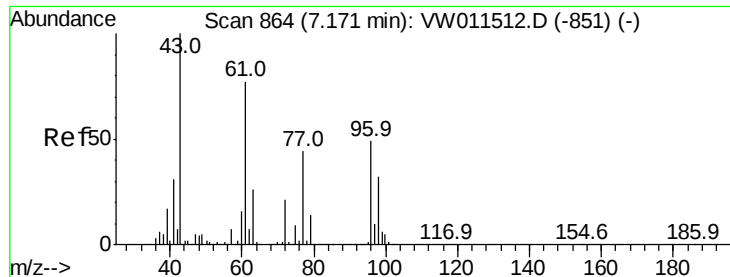
Tgt Ion: 77 Resp: 65094

Ion Ratio Lower Upper

77 100

97 22.7 10.8 32.4



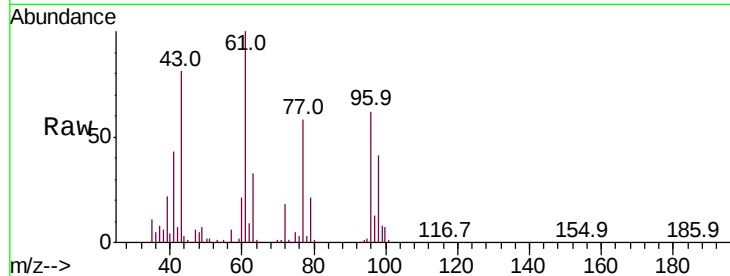


#27

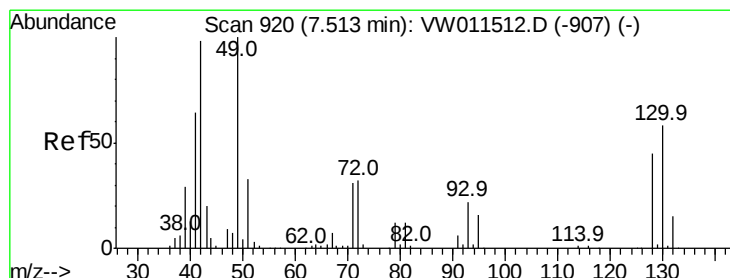
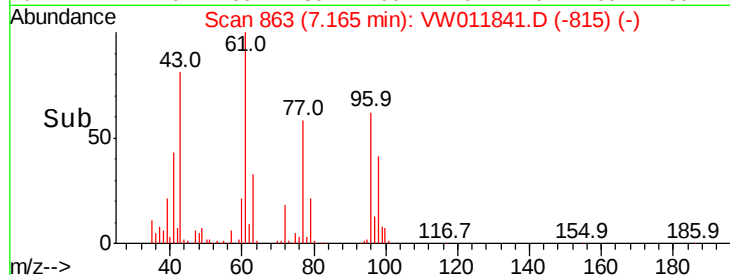
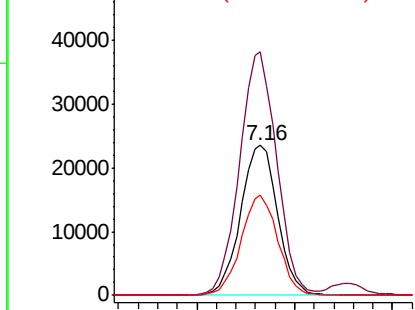
cis-1,2-Dichloroethene
Concen: 20.269 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 62091
Ion Ratio Lower Upper
96 100
61 162.8 0.0 328.4
98 65.9 0.0 128.8



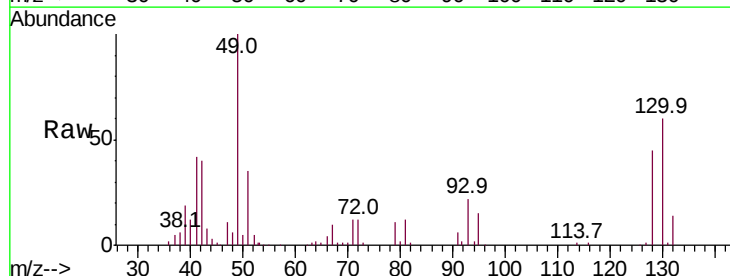
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



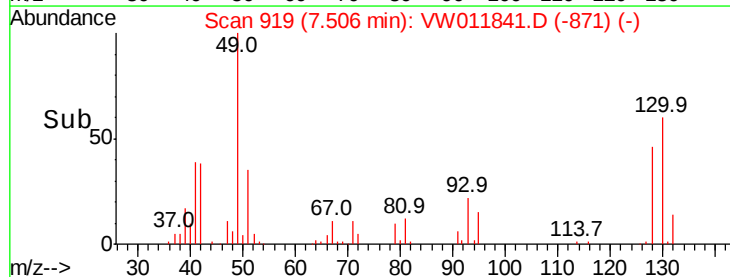
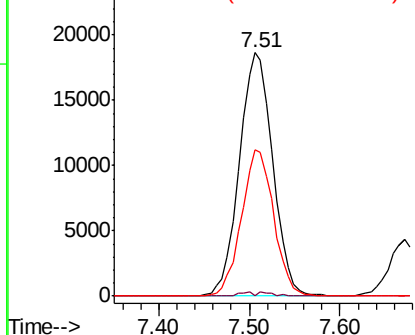
#28

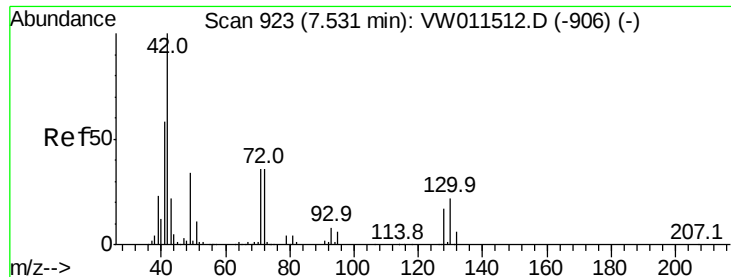
Bromochloromethane
Concen: 19.263 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 49 Resp: 47407
Ion Ratio Lower Upper
49 100
129 0.8 0.0 1.0
130 58.0 46.3 69.5



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

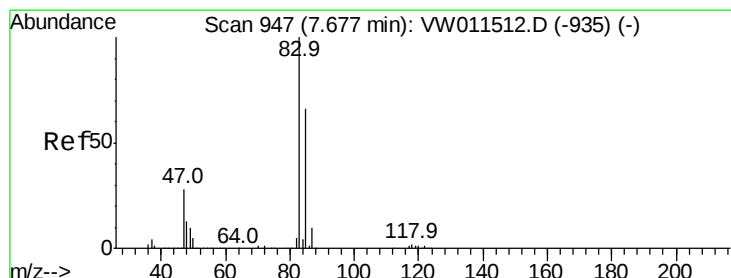
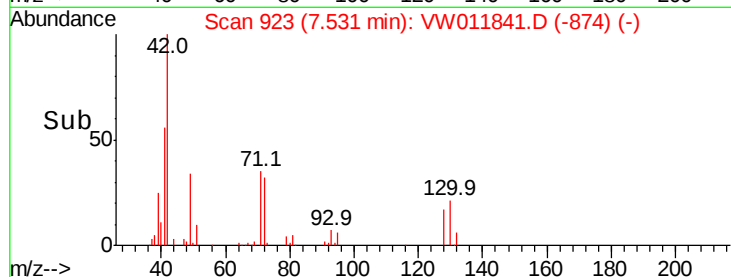
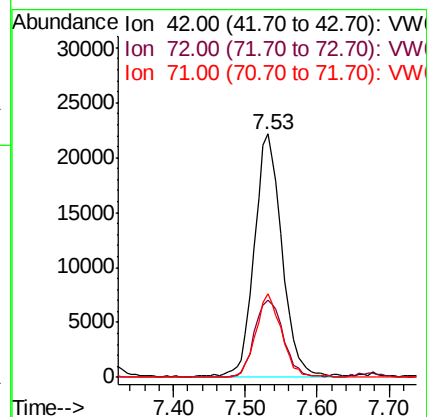
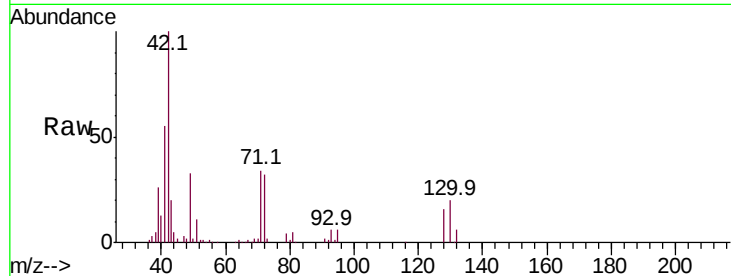




#29
Tetrahydrofuran
Concen: 86.460 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

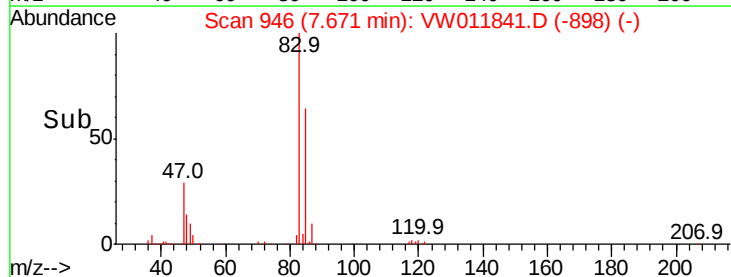
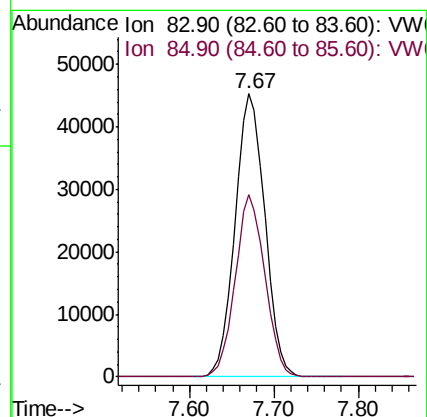
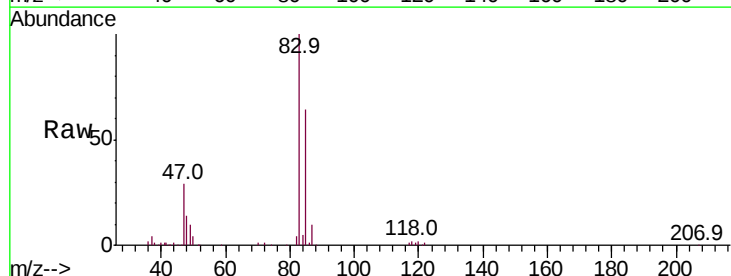
Instrument :
MSVOA_W
ClientSampleId :

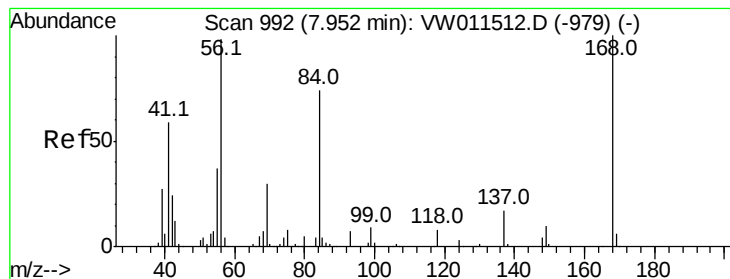
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.1	40.7
71	32.5	26.2	39.4



#30
Chloroform
Concen: 21.141 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.5	78.7





#31

Cyclohexane

Concen: 21.365 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :

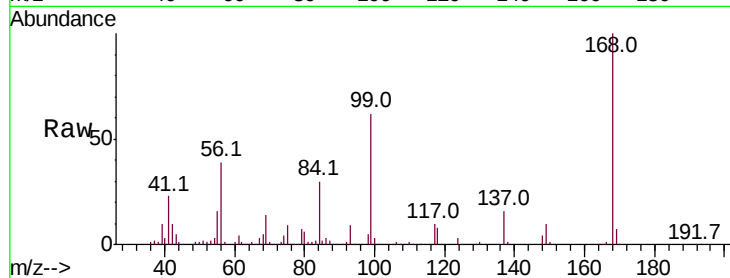
Tot Ion: 56 Resp: 113711

Ion Ratio Lower Upper

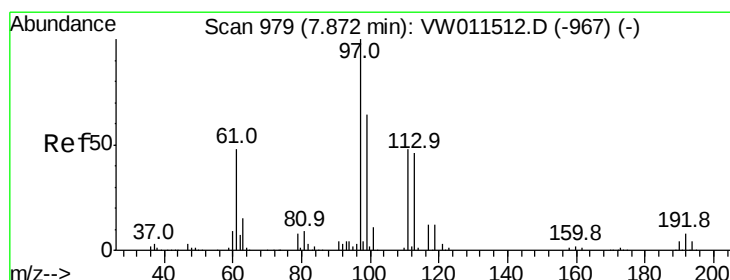
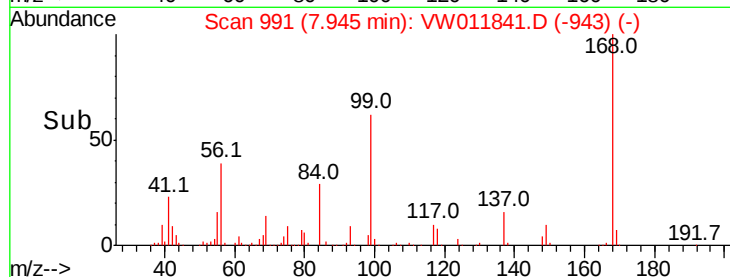
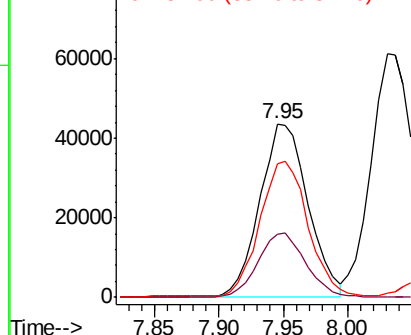
56 100

69 36.3 24.3 36.5

84 75.7 60.4 90.6



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: 22.167 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

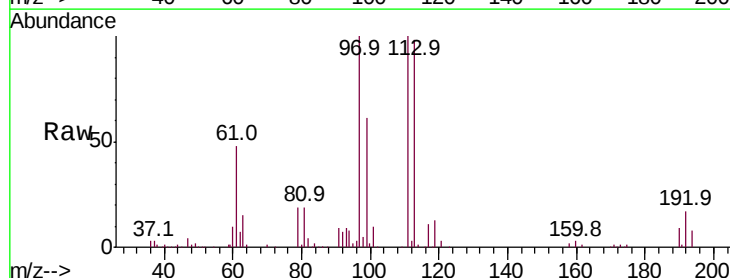
Tgt Ion: 97 Resp: 86355

Ion Ratio Lower Upper

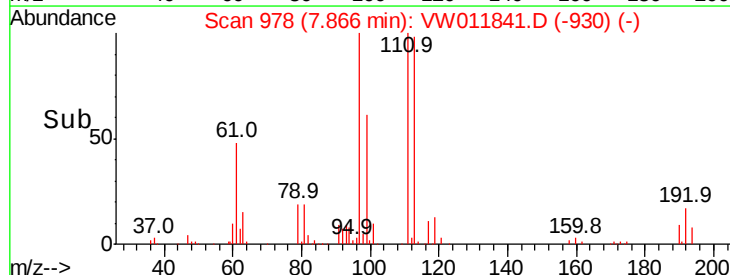
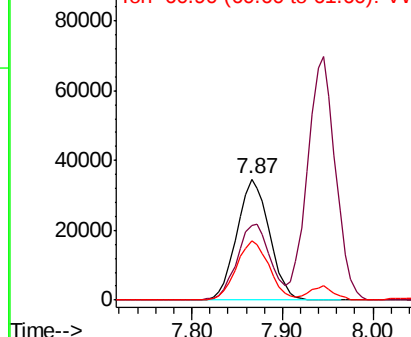
97 100

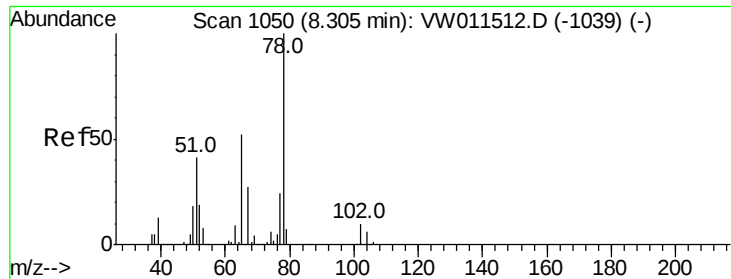
99 63.8 51.0 76.6

61 49.4 39.8 59.6



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: 53.370 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

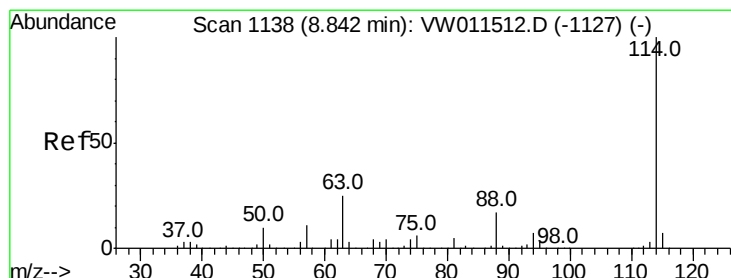
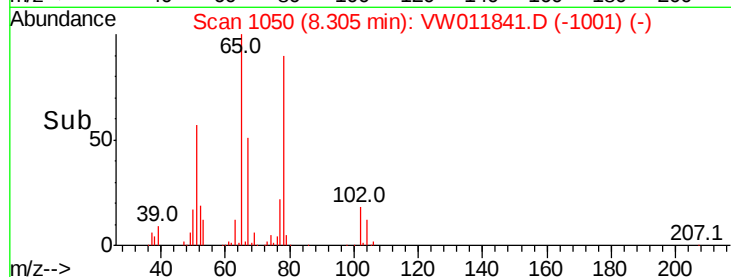
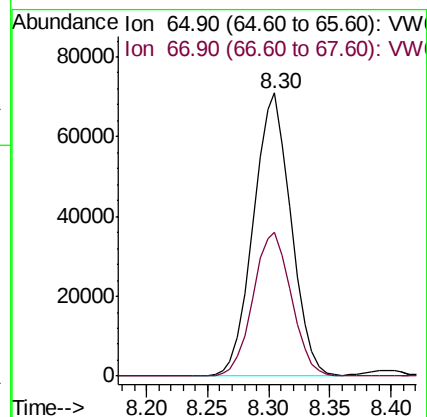
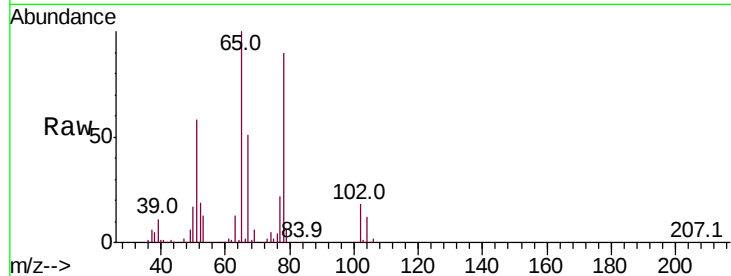
ClientSampleId :

Tot Ion: 65 Resp: 151917

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

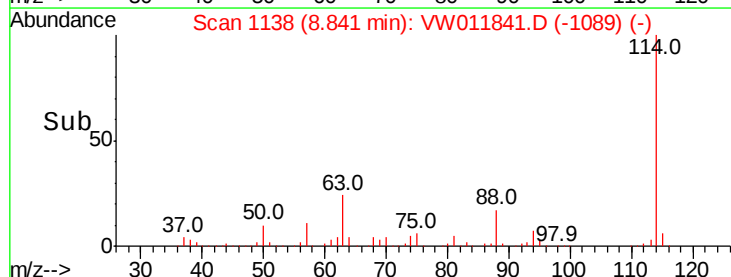
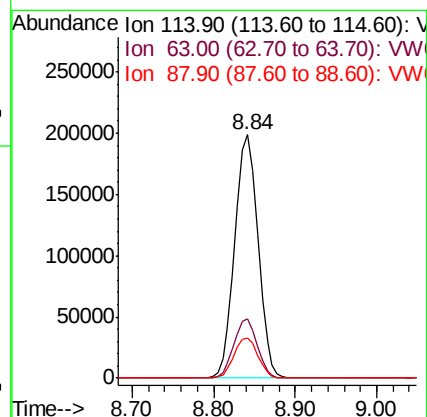
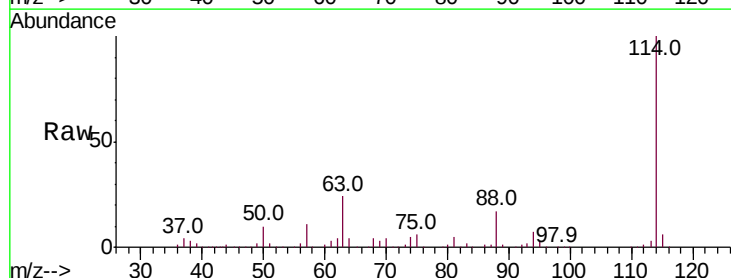
Tgt Ion: 114 Resp: 390303

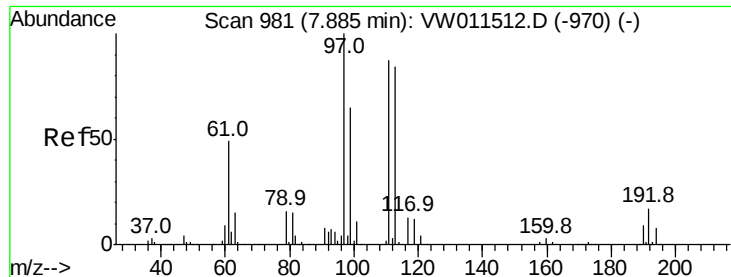
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

88 16.6 0.0 33.8

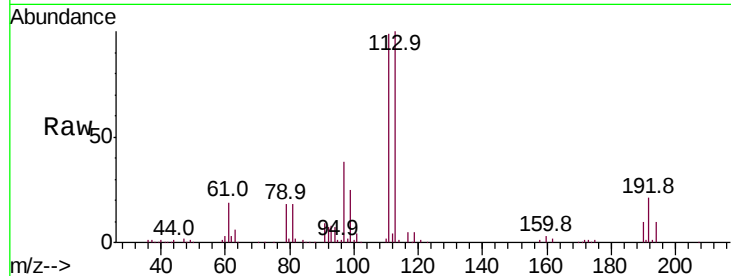




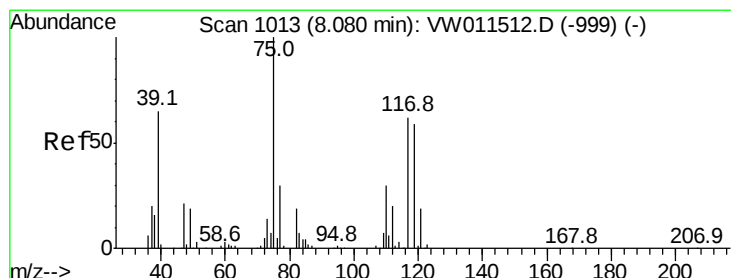
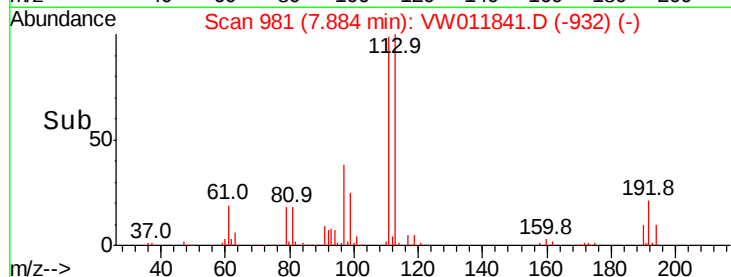
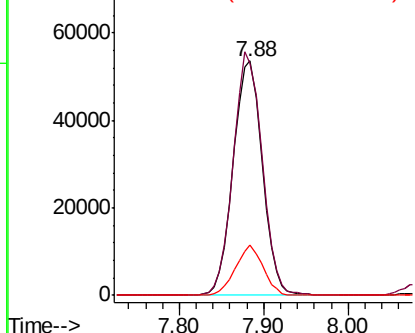
#35
 Dibromofluoromethane
 Concen: 57.403 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 125694
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 20.1 16.1 24.1

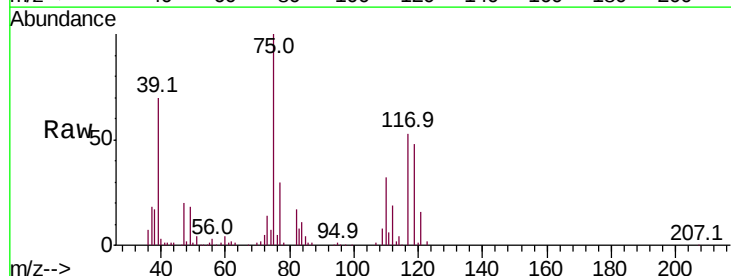


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

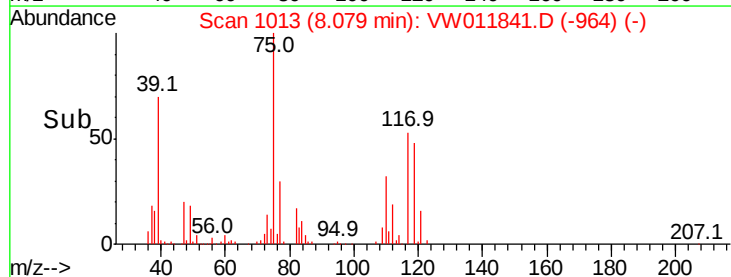
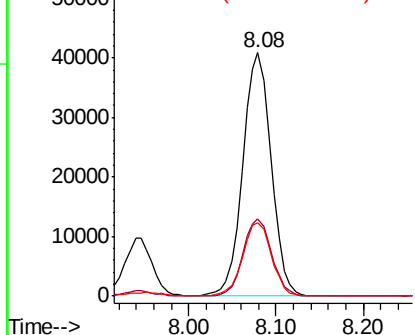


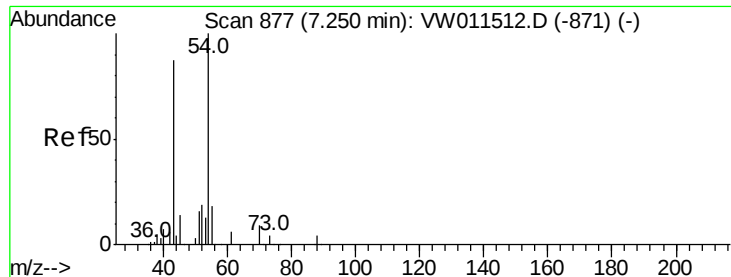
#36
 1,1-Dichloropropene
 Concen: 22.662 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion: 75 Resp: 91971
 Ion Ratio Lower Upper
 75 100
 110 32.0 15.6 46.8
 77 31.0 24.3 36.5



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

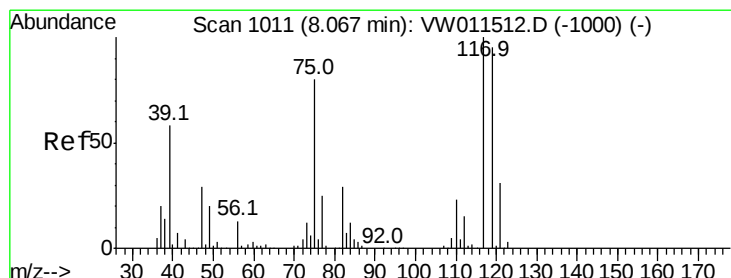
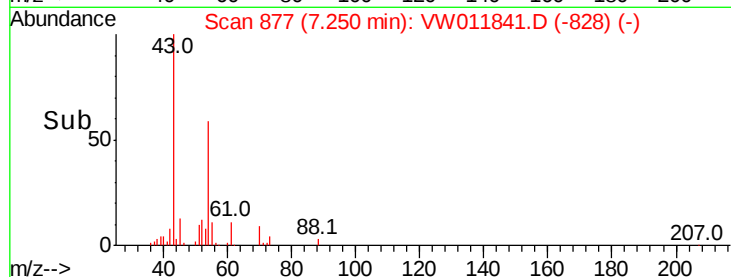
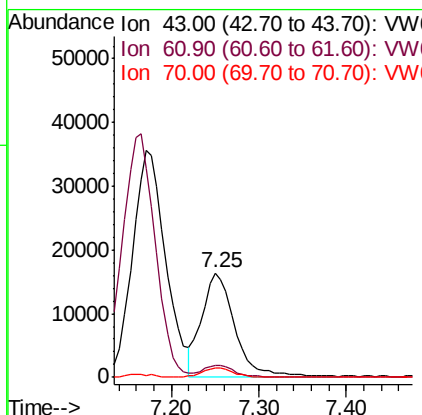
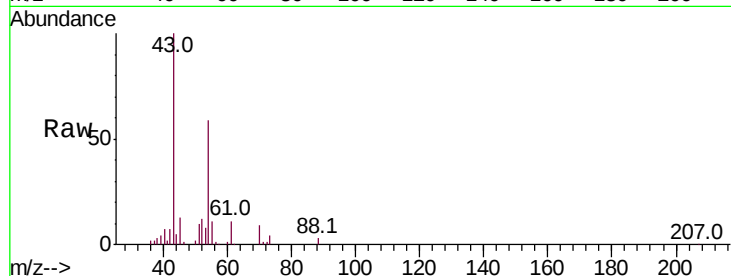




#37
Ethyl Acetate
Concen: 18.073 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

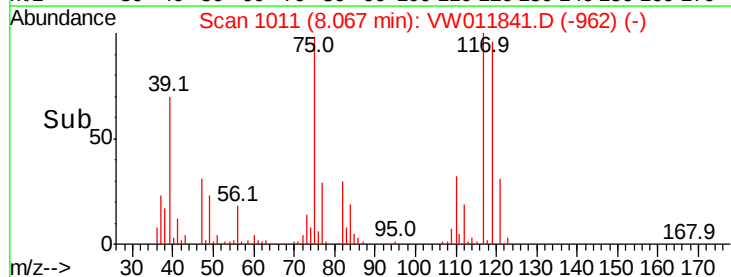
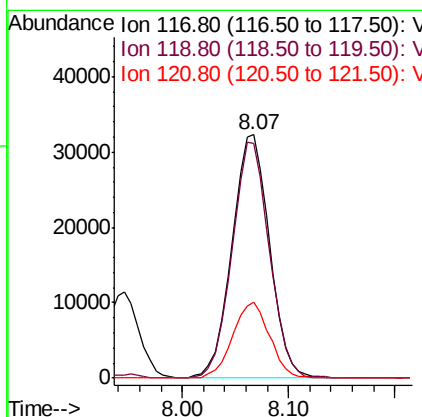
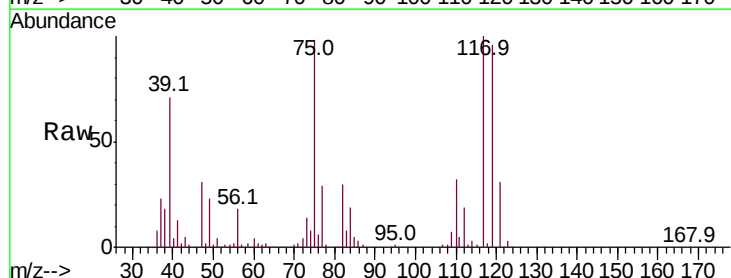
Instrument :
MSVOA_W
ClientSampleId :

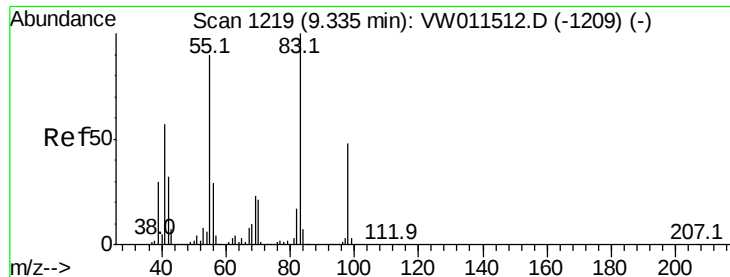
Tot Ion: 43 Resp: 42200
Ion Ratio Lower Upper
43 100
61 11.0 8.8 13.2
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 22.976 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 117 Resp: 79824
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.6
121 31.2 24.7 37.1

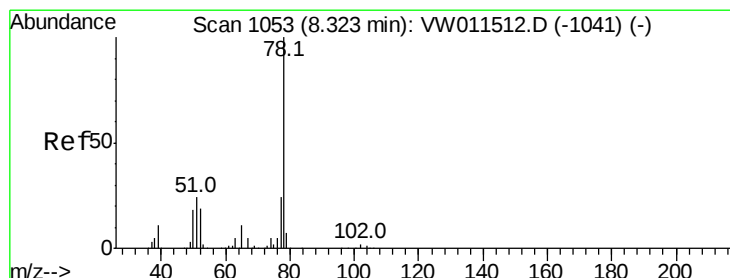
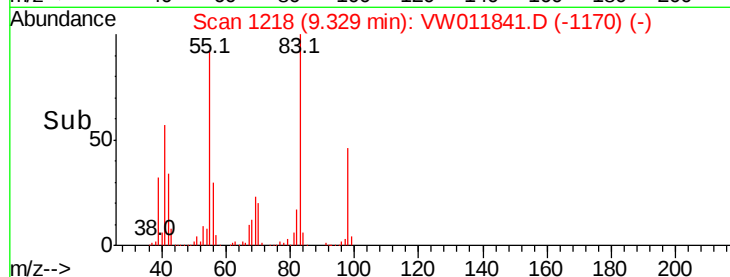
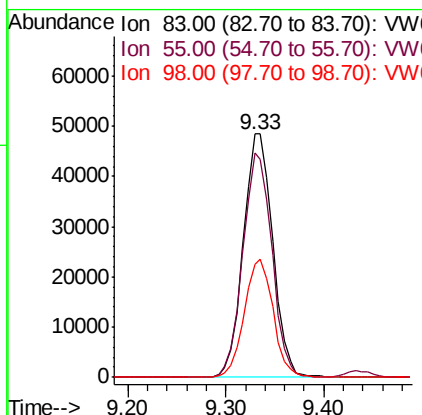
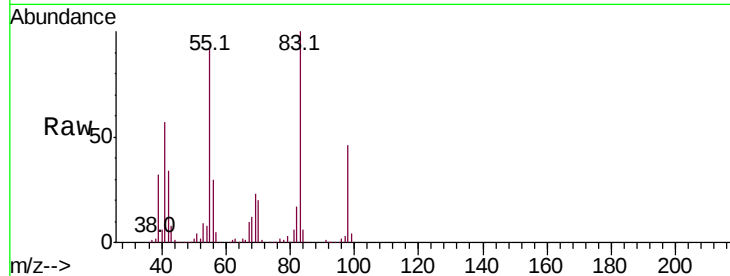




#39
Methvlcvclohexane
Concen: 22.672 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

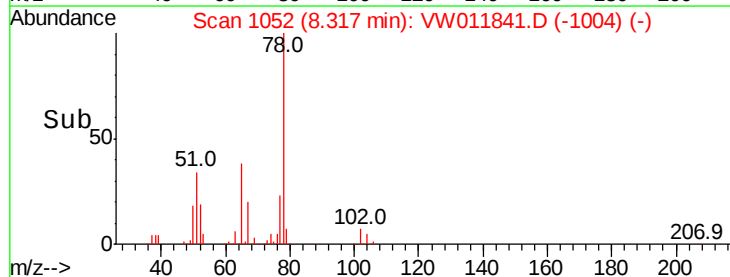
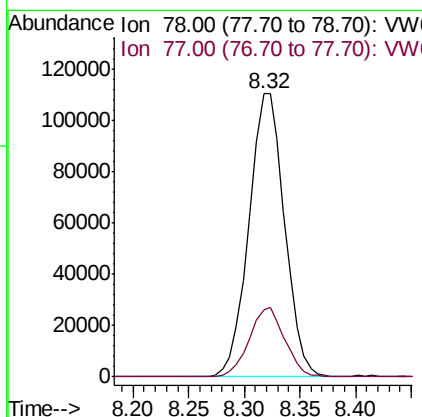
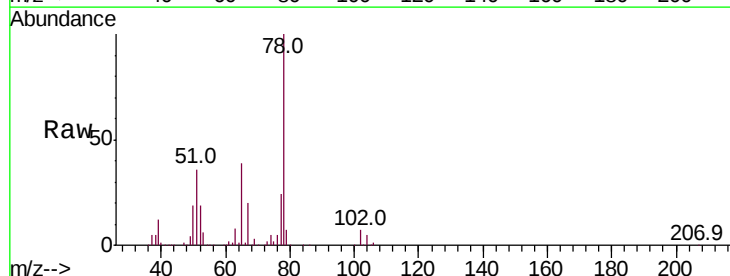
Instrument :
MSVOA_W
ClientSampleId :

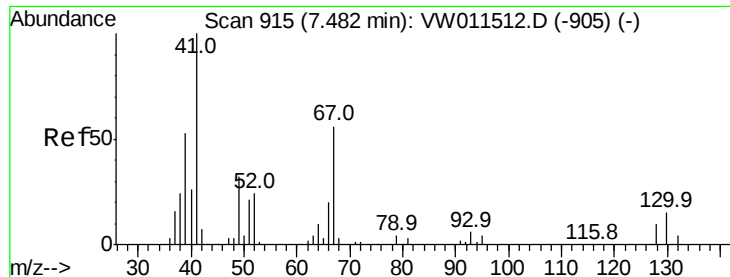
Tot Ion: 83 Resp: 101315
Ion Ratio Lower Upper
83 100
55 92.3 72.1 108.1
98 46.5 38.6 57.8



#40
Benzene
Concen: 21.717 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 78 Resp: 246882
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0

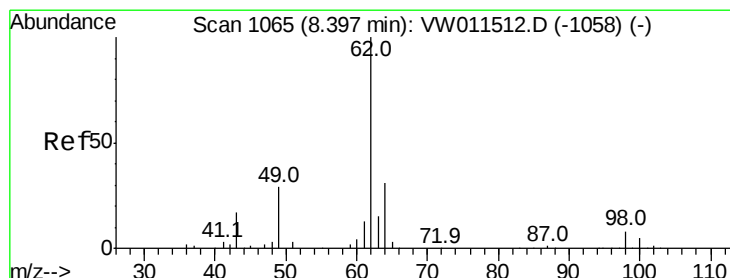
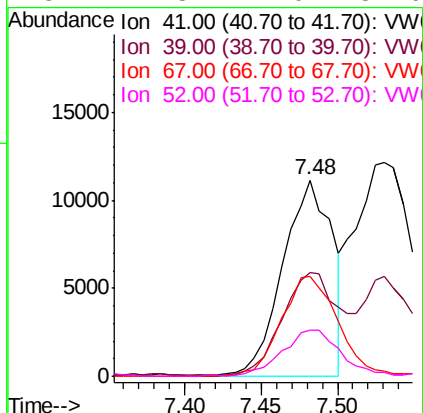
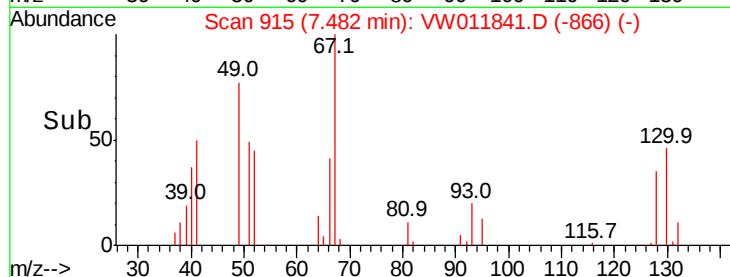
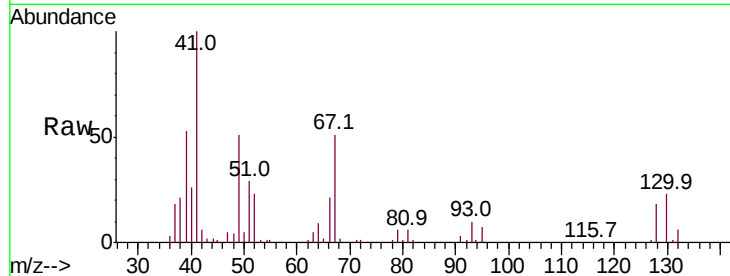




#41
Methacrylonitrile
Concen: 17.997 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

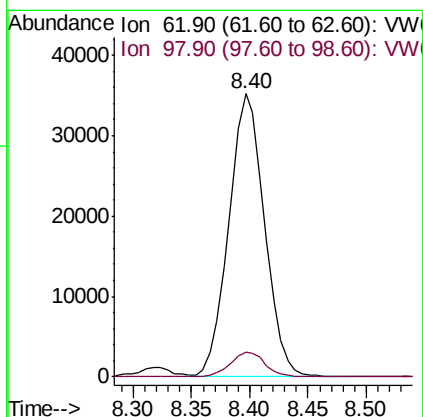
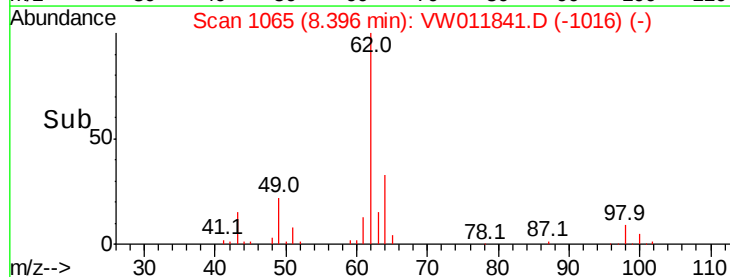
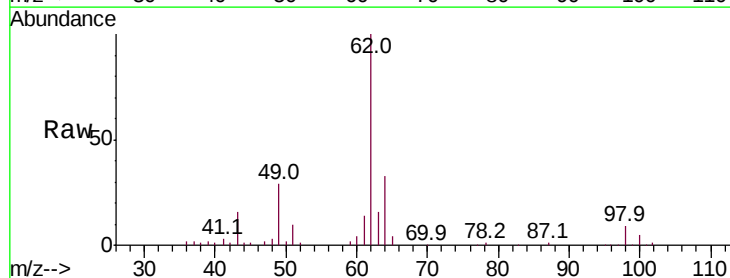
Instrument :
MSVOA_W
ClientSampled :

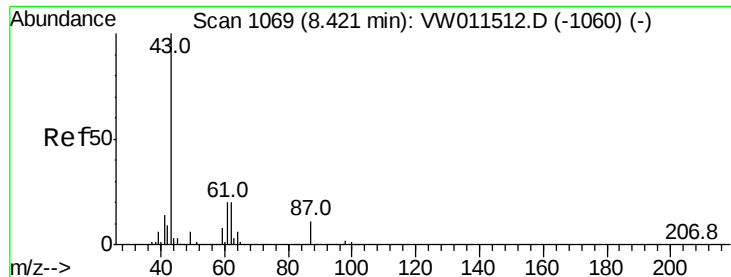
Tot Ion:	41	Resp:	25119
Ion	Ratio	Lower	Upper
41	100		
39	59.8	43.0	64.4
67	59.1	47.5	71.3
52	27.8	21.0	31.6



#42
1,2-Dichloroethane
Concen: 21.143 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion:	62	Resp:	75251
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.642 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

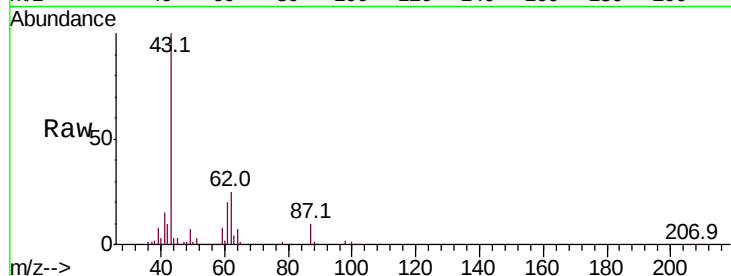
Tot Ion: 43 Resp: 80052

Ion Ratio Lower Upper

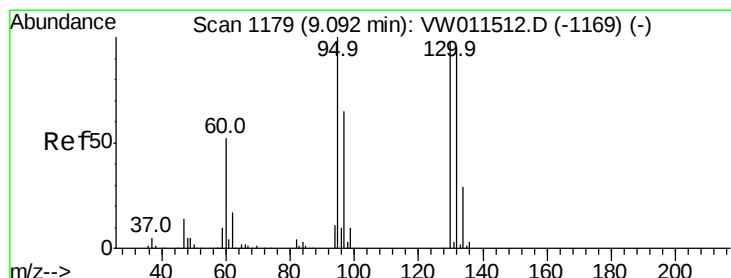
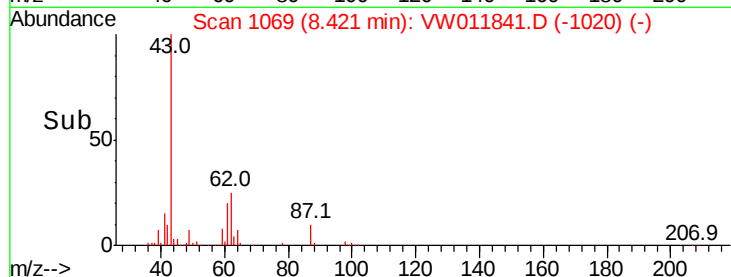
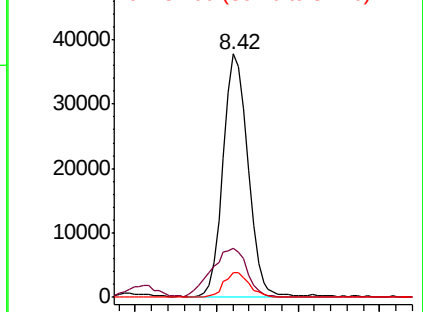
43 100

61 28.6 21.5 32.3

87 10.2 8.4 12.6



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



#44

Trichloroethene

Concen: 22.303 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011841.D

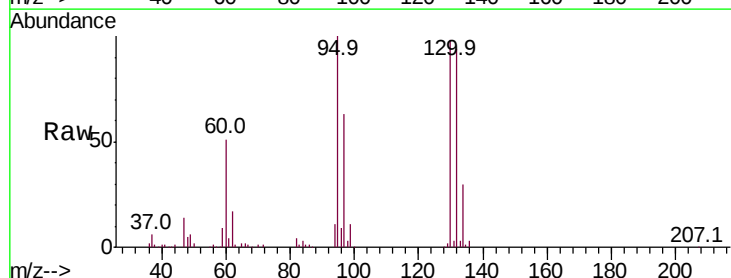
Acq: 12 Aug 2019 10:32

Tgt Ion: 130 Resp: 60938

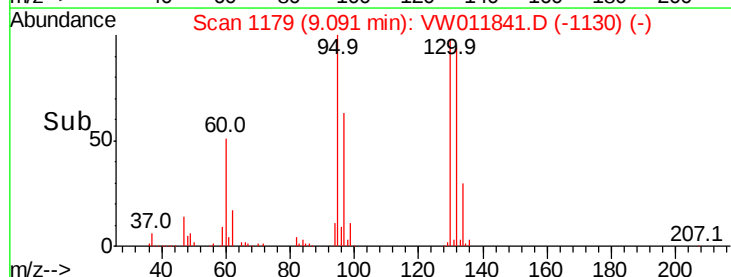
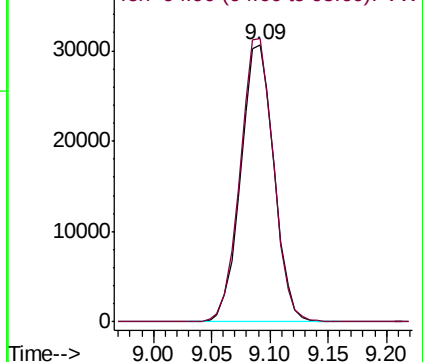
Ion Ratio Lower Upper

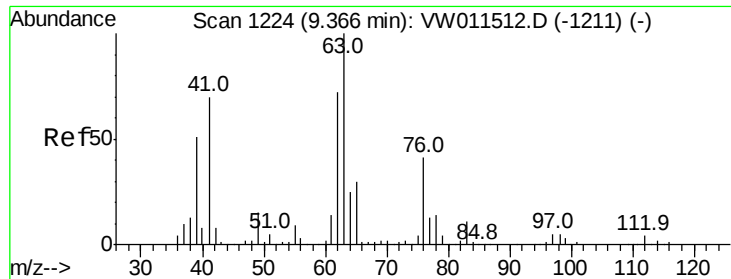
130 100

95 102.2 0.0 204.8



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

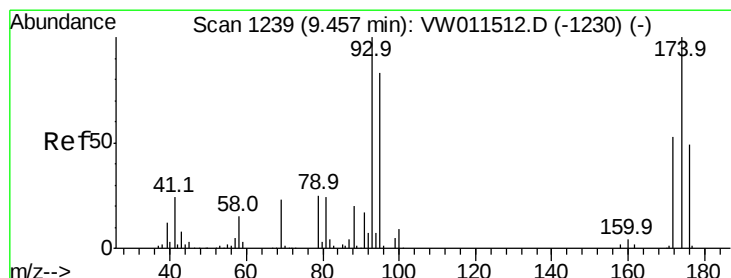
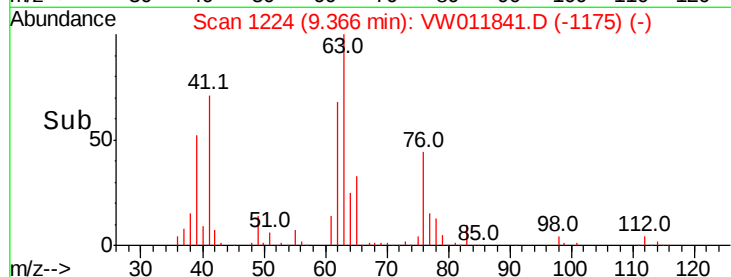
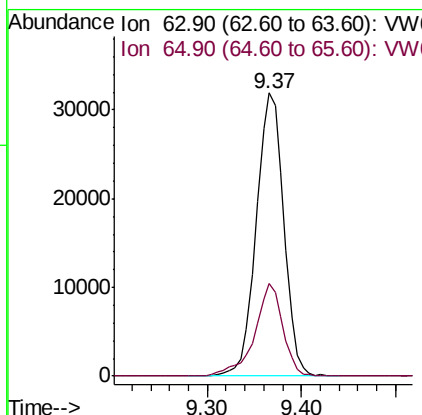
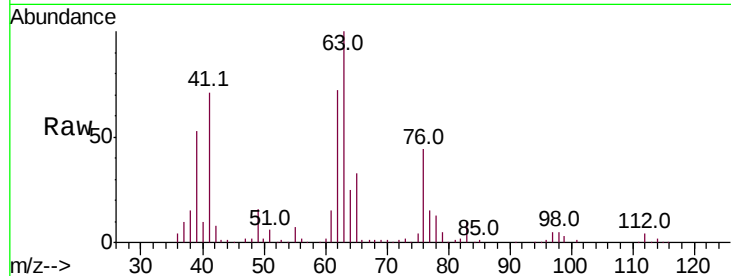




#45
 1,2-Dichloropropane
 Concen: 21.437 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

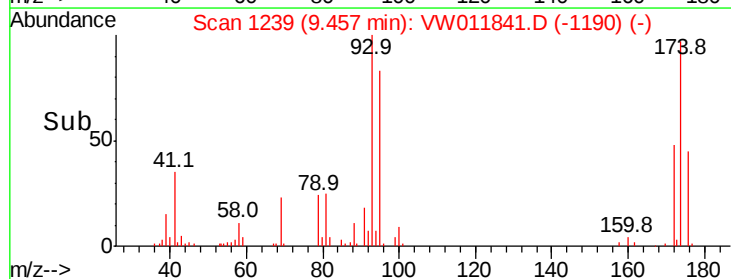
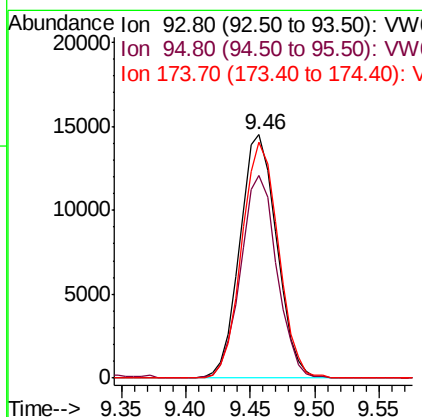
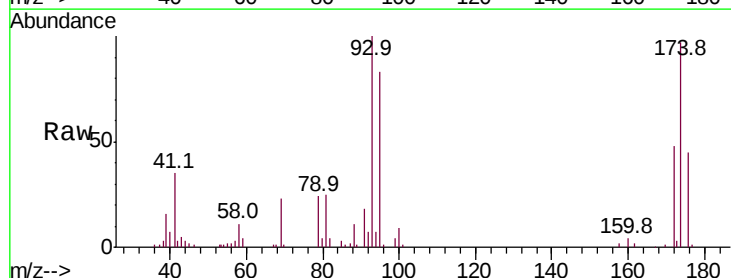
Instrument :
 MSVOA_W
 ClientSampleId :

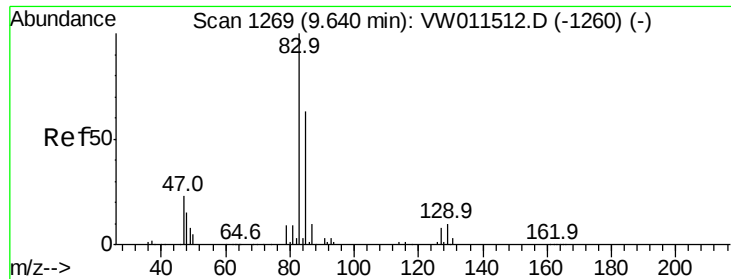
Tot Ion: 63 Resp: 65204
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.2 36.4



#46
 Dibromomethane
 Concen: 20.742 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion: 93 Resp: 28796
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.2 99.2
 174 95.9 78.2 117.4





#47

Bromodichloromethane

Concen: 20.992 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampled :

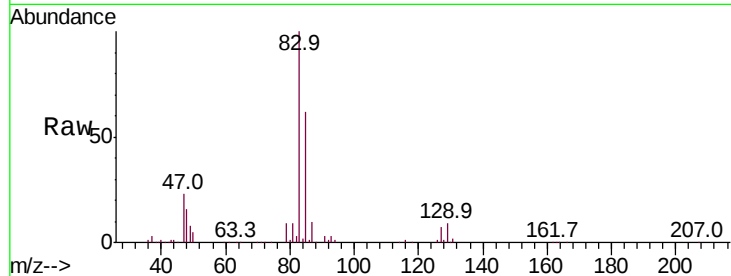
Tot Ion: 83 Resp: 76445

Ion Ratio Lower Upper

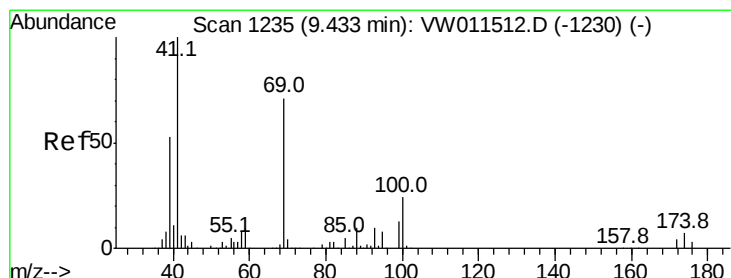
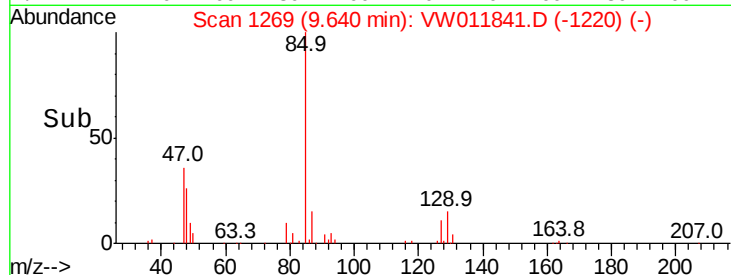
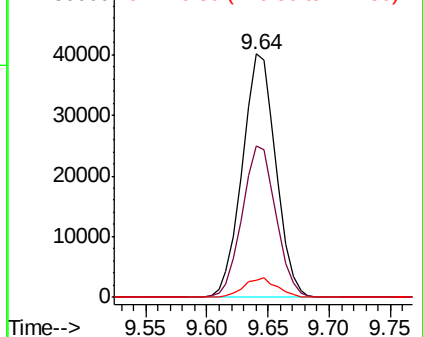
83 100

85 62.4 50.5 75.7

127 6.8 6.4 9.6



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



#48

Methyl methacrylate

Concen: 18.674 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

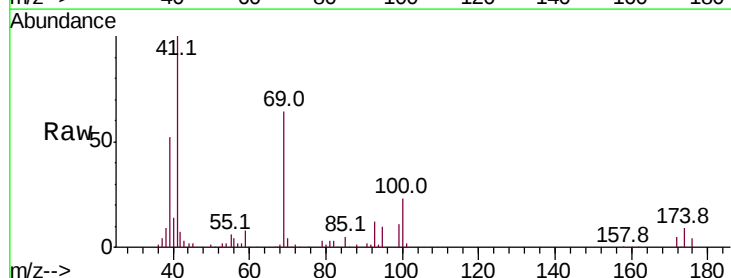
Tgt Ion: 41 Resp: 38519

Ion Ratio Lower Upper

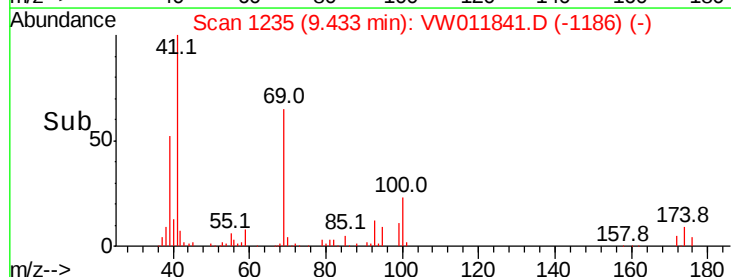
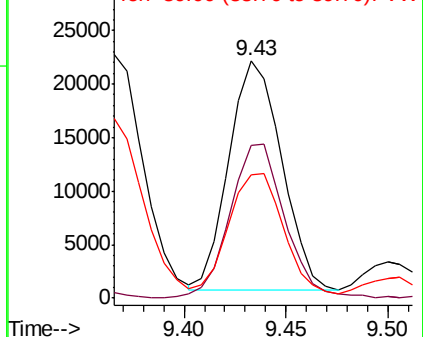
41 100

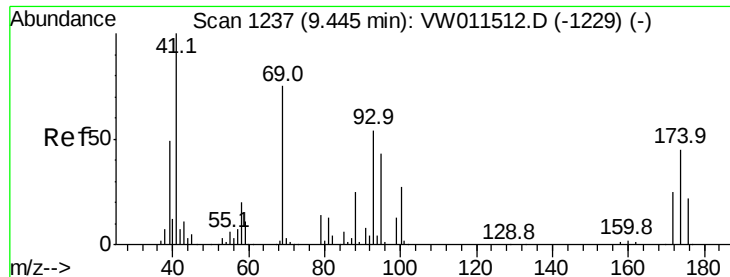
69 70.5 57.1 85.7

39 53.8 45.4 68.2



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





#49

1,4-Dioxane

Concen: 352.314 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampled :

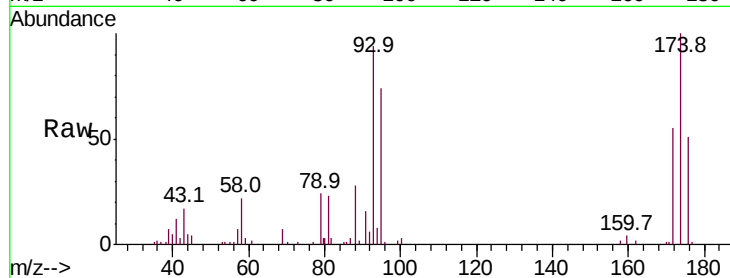
Tot Ion: 88 Resp: 7082

Ion Ratio Lower Upper

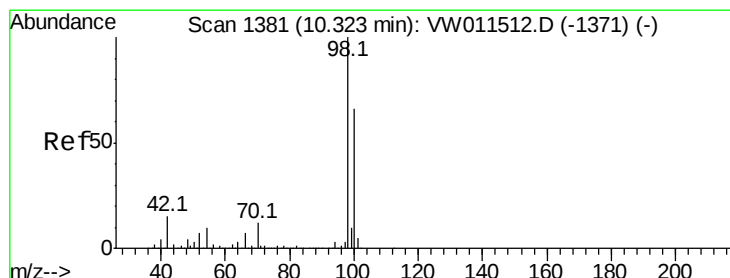
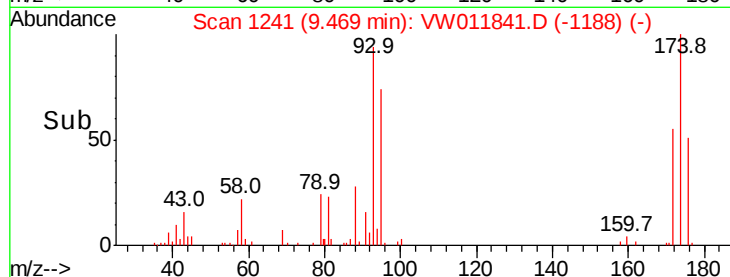
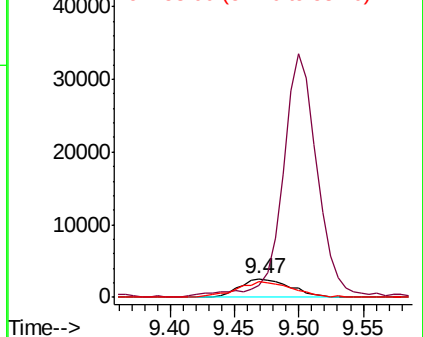
88 100

43 0.0 34.0 51.0#

58 93.4 69.7 104.5



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: 57.590 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011841.D

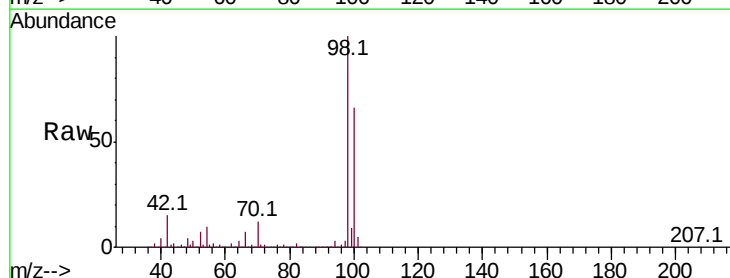
Acq: 12 Aug 2019 10:32

Tgt Ion: 98 Resp: 516302

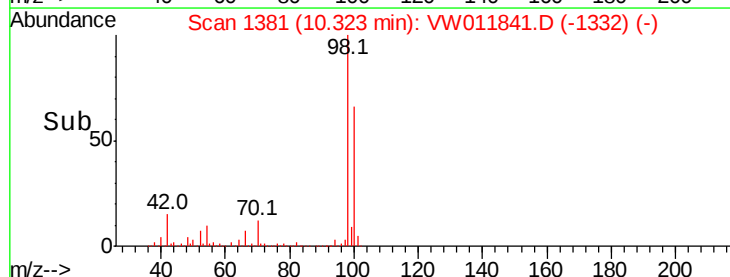
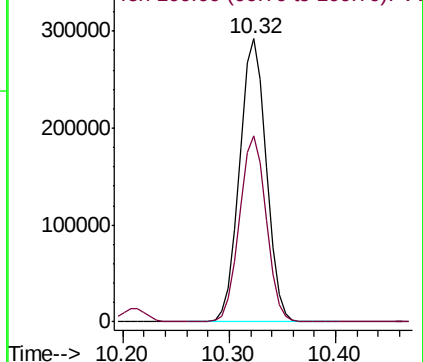
Ion Ratio Lower Upper

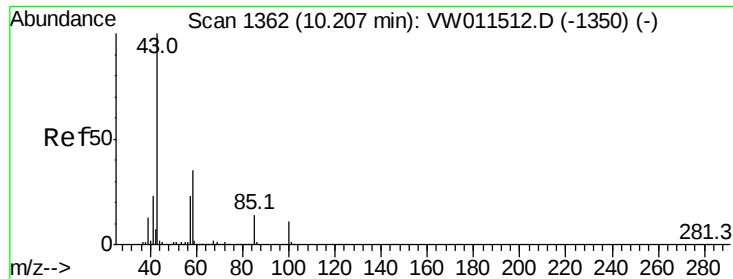
98 100

100 65.7 52.7 79.1



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: 91.251 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

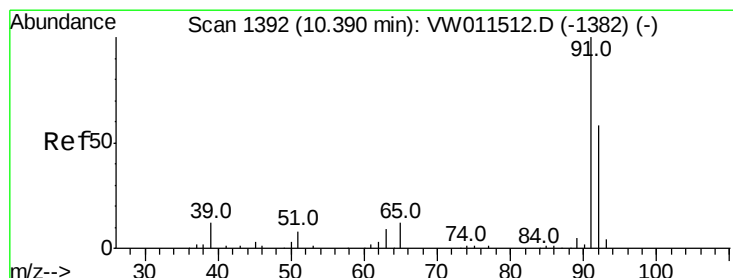
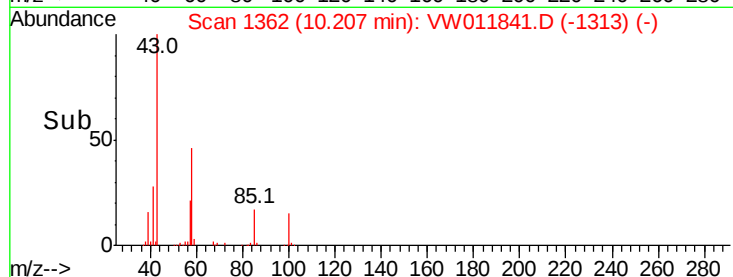
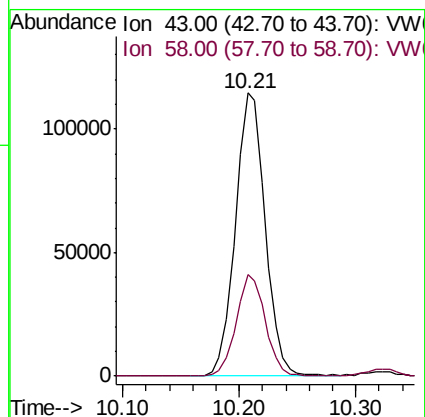
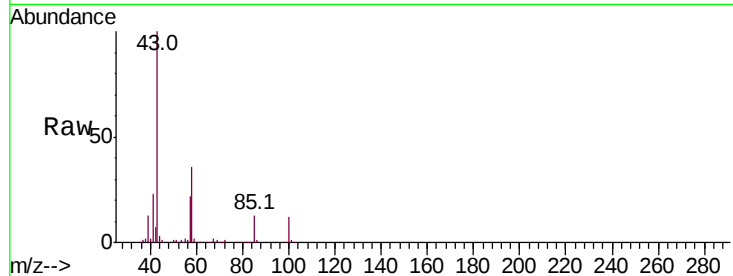
ClientSampleId :

Tot Ion: 43 Resp: 203816

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 21.716 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011841.D

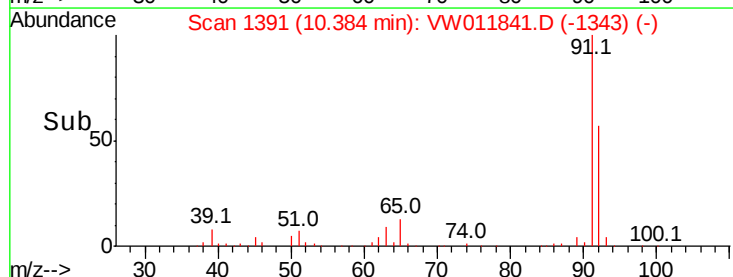
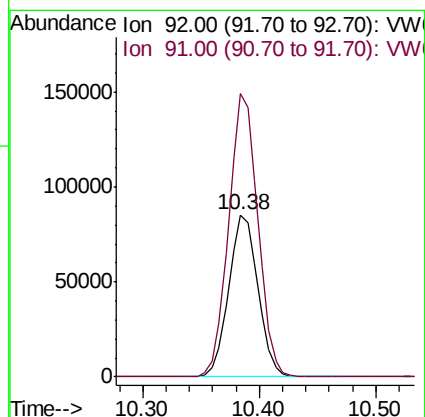
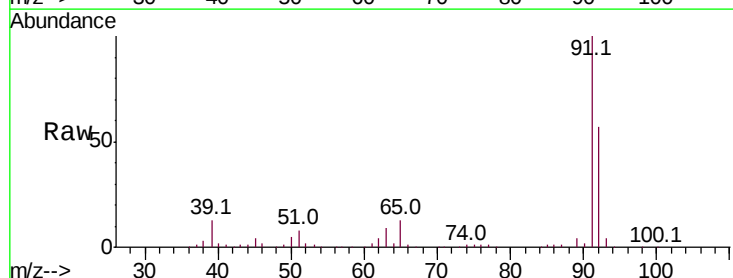
Acq: 12 Aug 2019 10:32

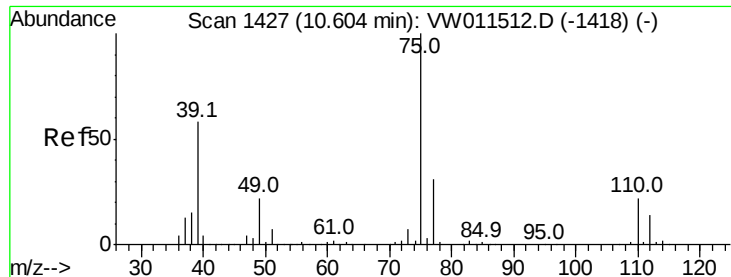
Tgt Ion: 92 Resp: 149083

Ion Ratio Lower Upper

92 100

91 173.6 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.177 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

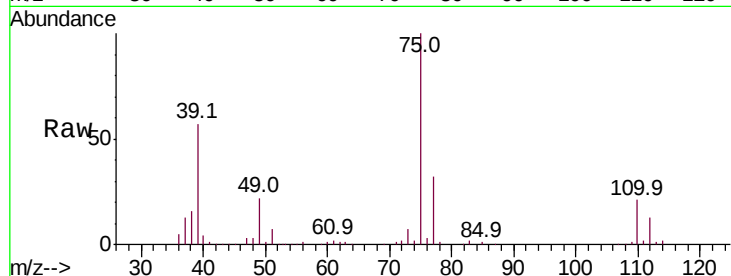
ClientSampled :

Tot Ion: 75 Resp: 76754

Ion Ratio Lower Upper

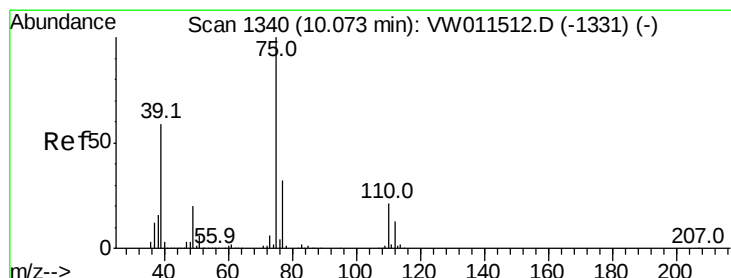
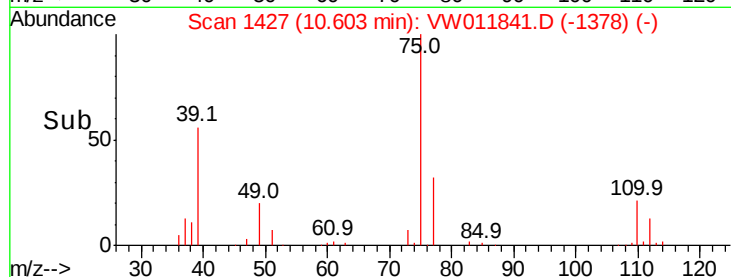
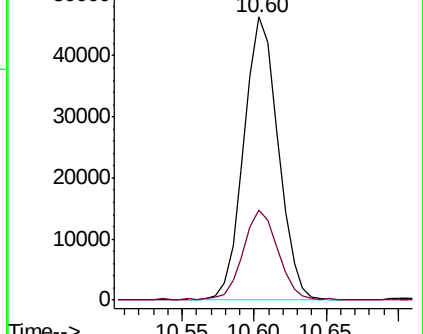
75 100

77 31.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.881 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

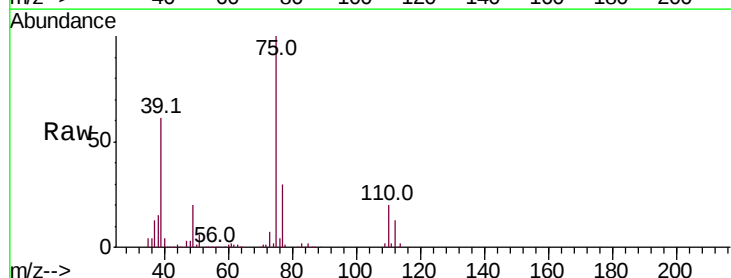
Tgt Ion: 75 Resp: 94444

Ion Ratio Lower Upper

75 100

77 30.5 25.6 38.4

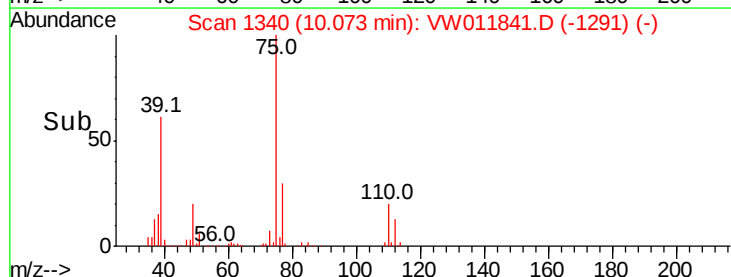
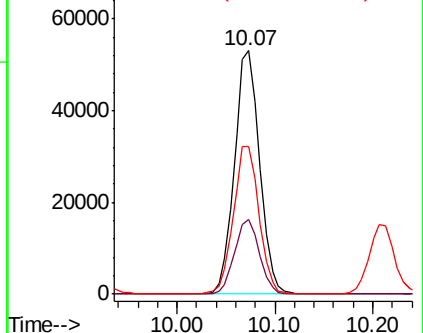
39 60.8 47.0 70.4

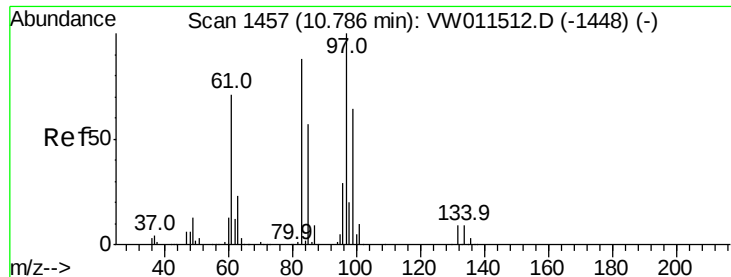


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 20.248 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

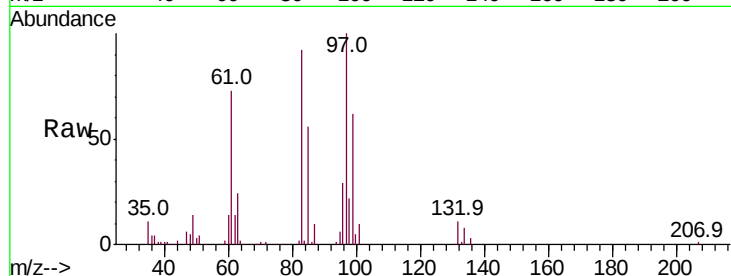
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 39883

Ion	Ratio	Lower	Upper
97	100		
83	91.9	70.5	105.7
85	56.2	45.8	68.6
99	62.2	51.0	76.4

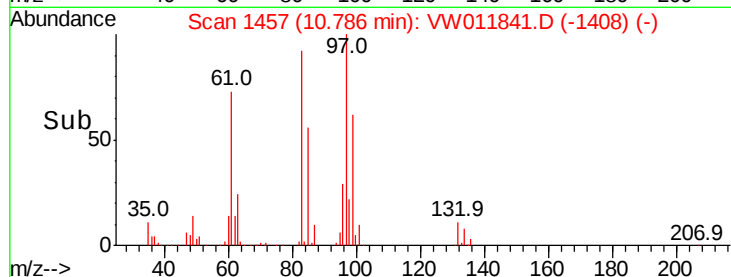


Abundance Ion 96.90 (96.60 to 97.60): VW

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



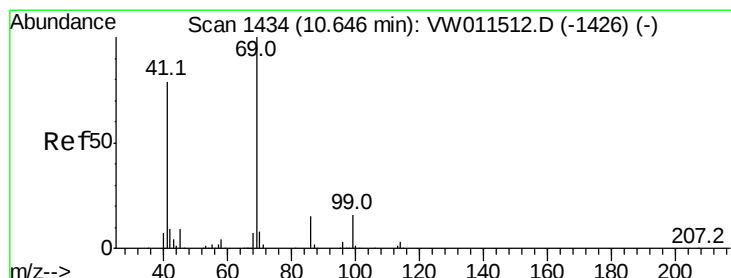
Time--> 10.70 10.75 10.80 10.85

10.79

20000

10000

0



#56

Ethyl methacrylate

Concen: 19.008 ug/l

RT: 10.65 min Scan# 1434

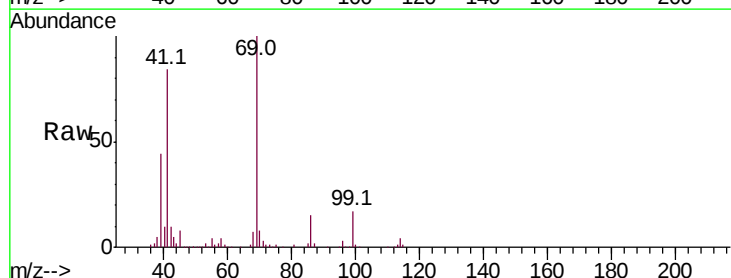
Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion: 69 Resp: 54789

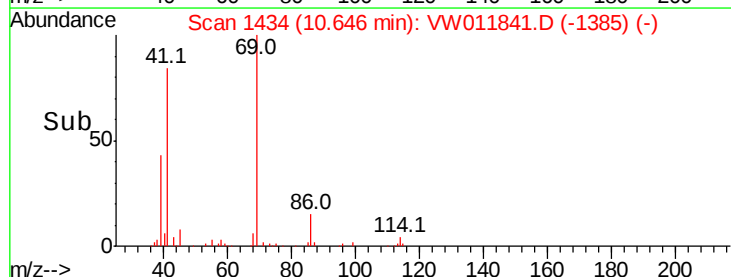
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.6	99.8
39	39.1	30.3	45.5



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



Time--> 10.60 10.70

10.65

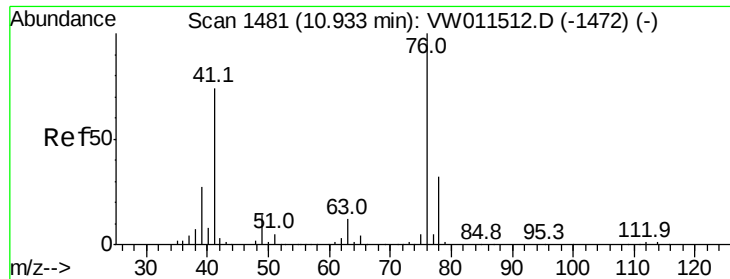
40000

30000

20000

10000

0



#57

1,3-Dichloropropane

Concen: 20.323 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

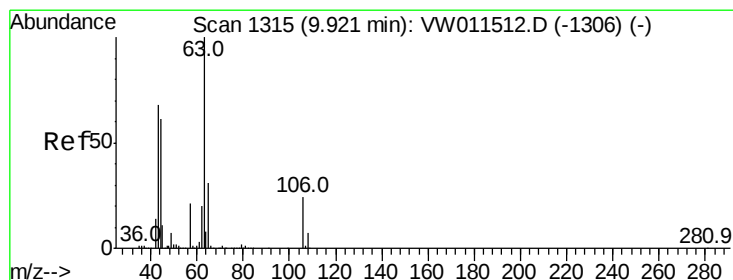
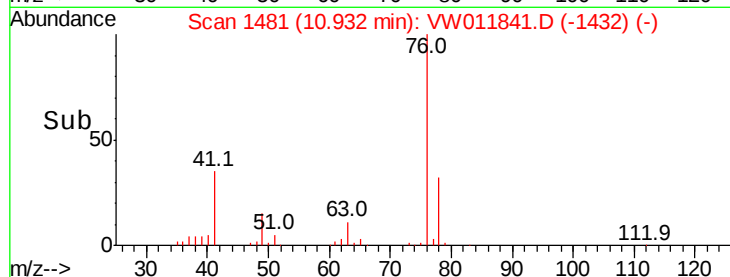
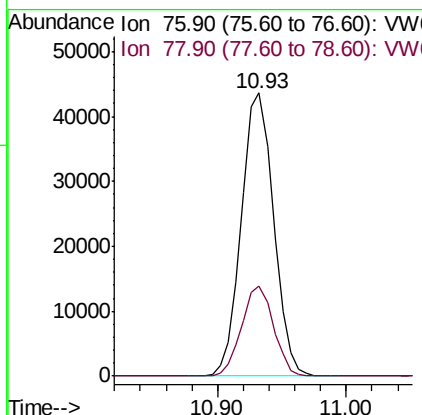
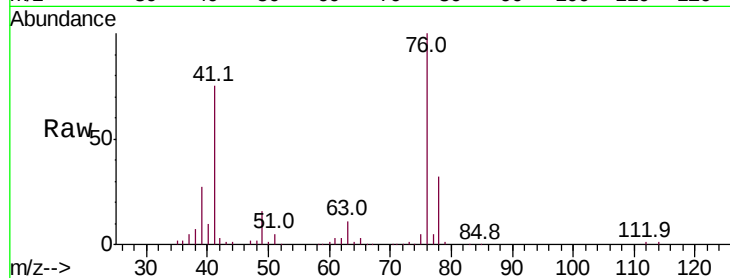
Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 75737

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.2	37.8



#58

2-Chloroethyl Vinyl ether

Concen: 109.153 ug/l

RT: 9.92 min Scan# 1315

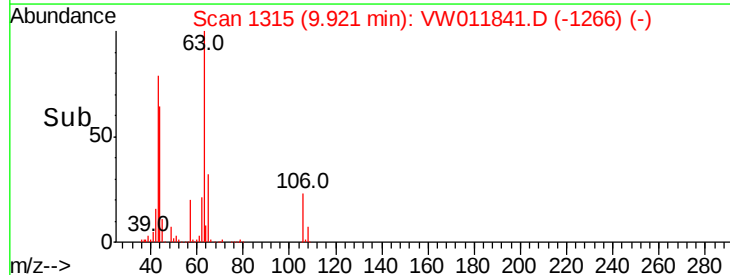
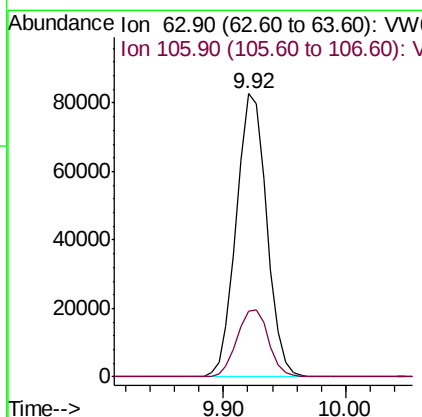
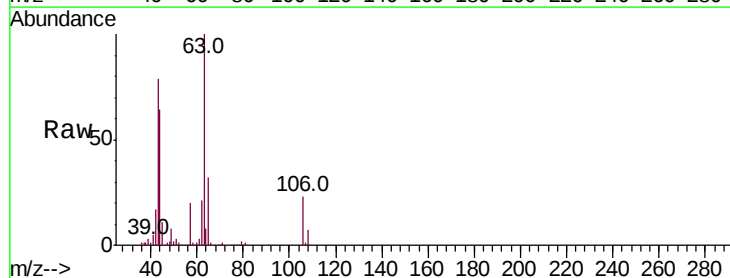
Delta R.T. -0.00 min

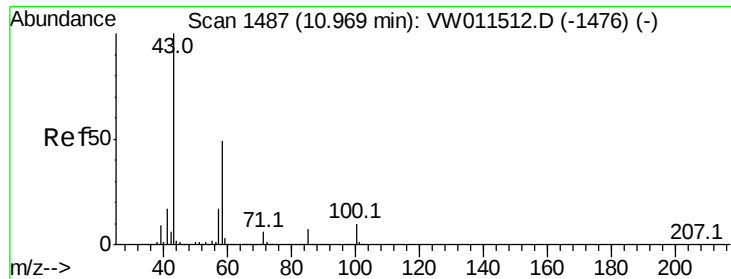
Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion: 63 Resp: 142851

Ion	Ratio	Lower	Upper
63	100		
106	24.5	19.7	29.5





#59

2-Hexanone

Concen: 89.527 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

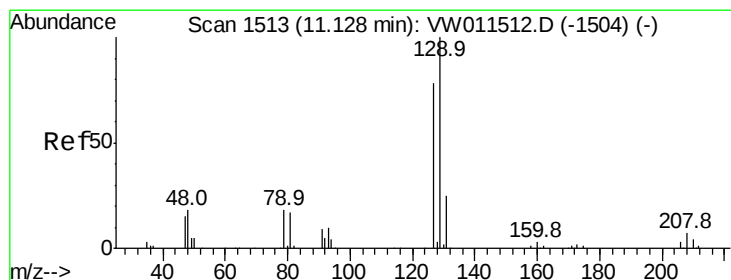
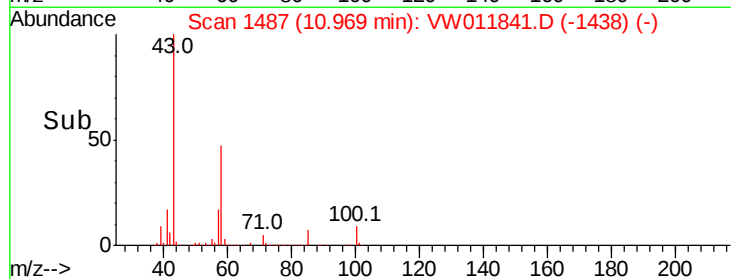
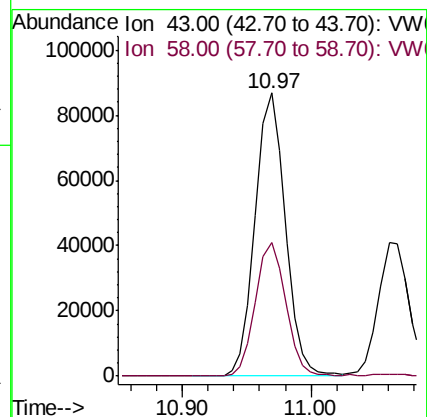
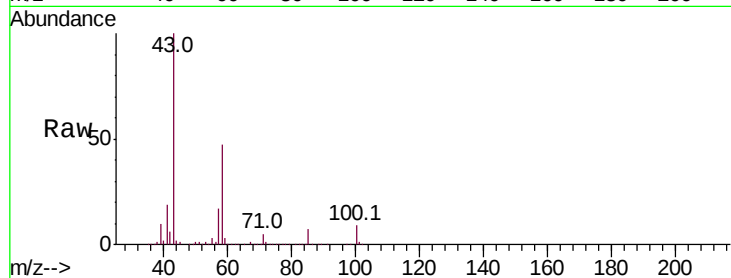
ClientSampleId :

Tot Ion: 43 Resp: 141189

Ion Ratio Lower Upper

43 100

58 47.4 24.3 72.9



#60

Dibromochloromethane

Concen: 20.203 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011841.D

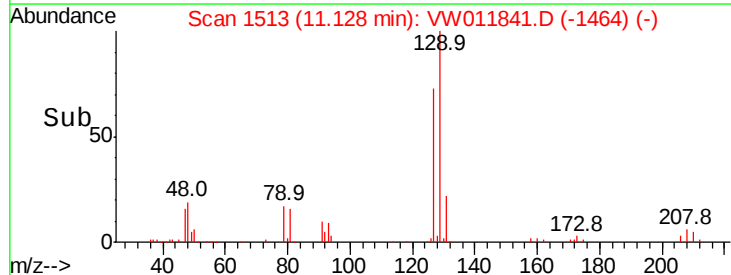
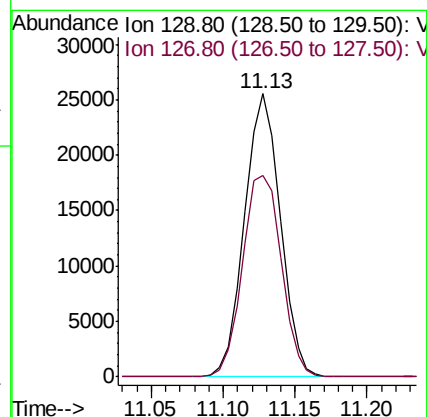
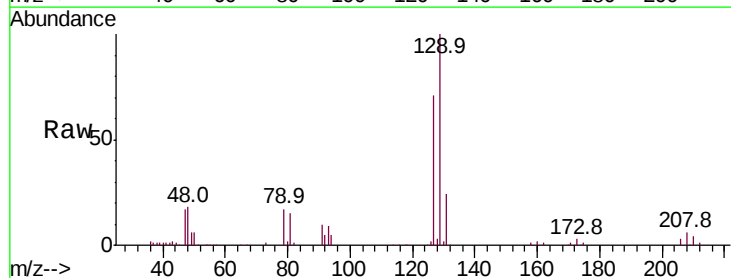
Acq: 12 Aug 2019 10:32

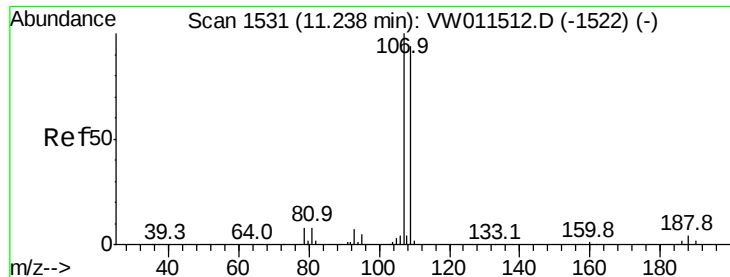
Tgt Ion: 129 Resp: 44174

Ion Ratio Lower Upper

129 100

127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.108 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

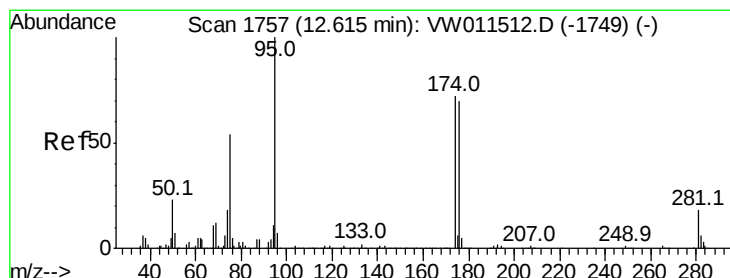
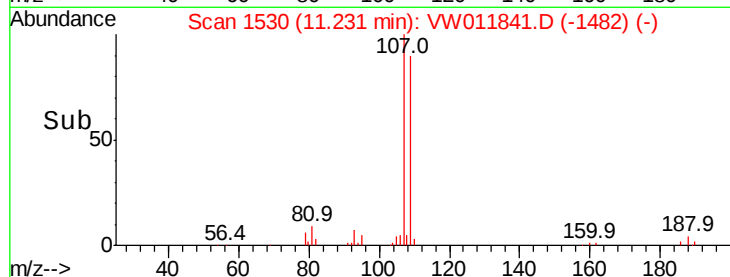
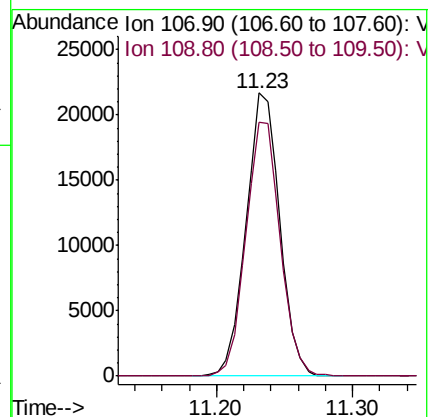
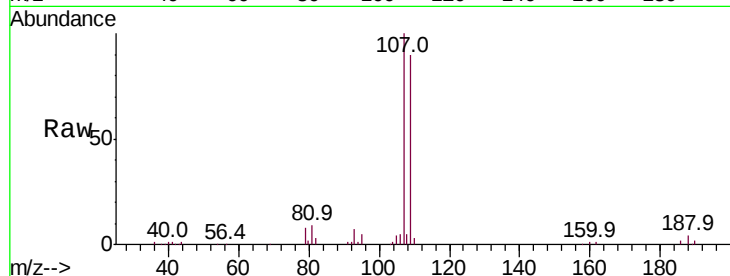
ClientSampleId :

Tot Ion:107 Resp: 37483

Ion Ratio Lower Upper

107 100

109 91.7 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 55.718 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

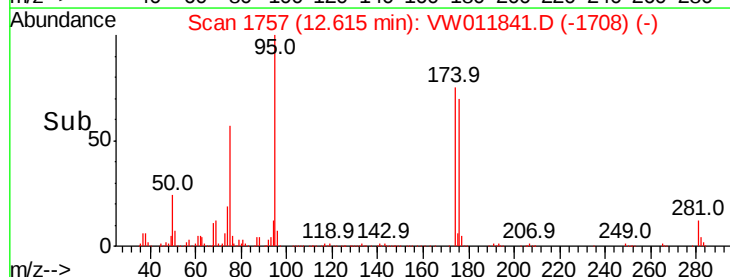
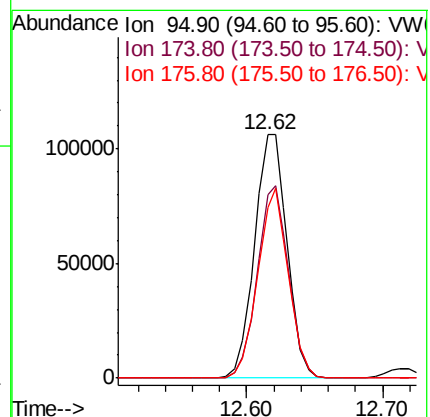
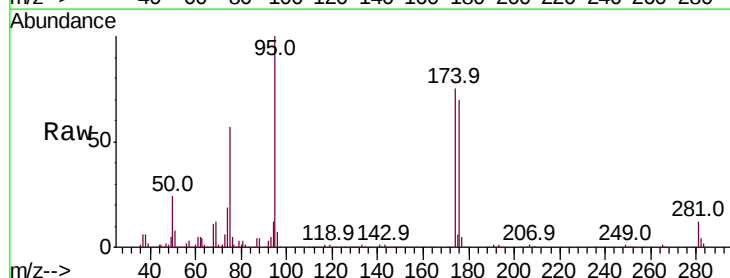
Tgt Ion: 95 Resp: 178090

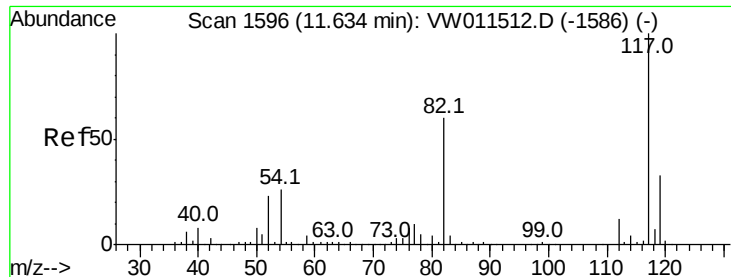
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

176 73.3 0.0 144.4

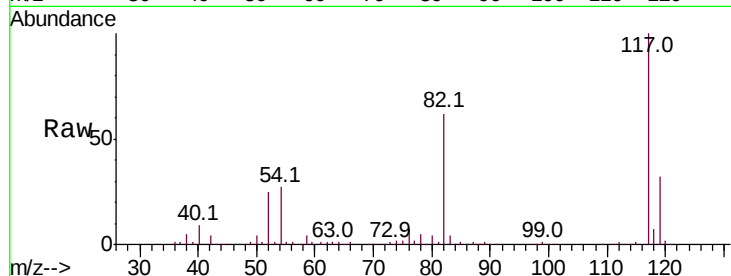




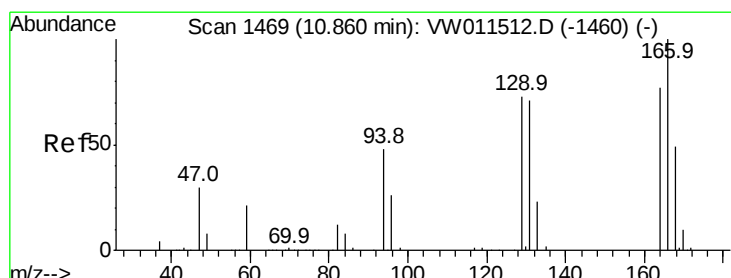
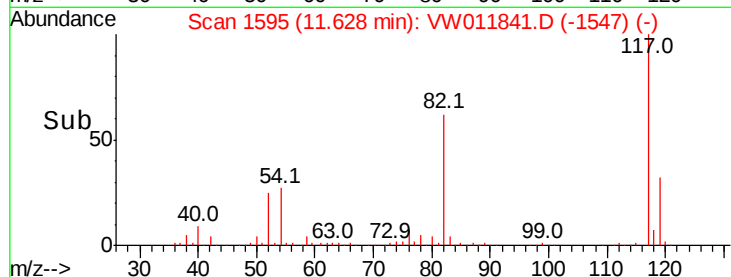
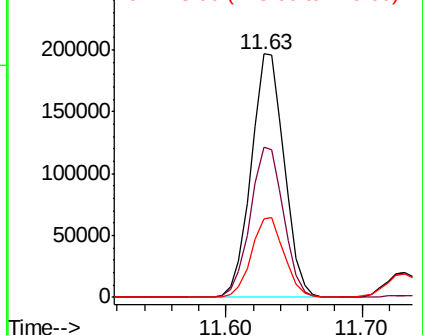
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 335343
Ion Ratio Lower Upper
117 100
82 61.8 47.9 71.9
119 32.1 26.2 39.2

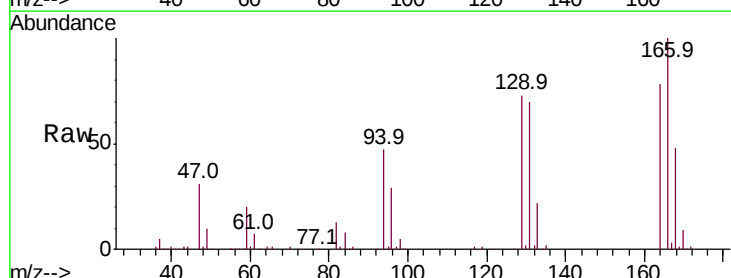


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

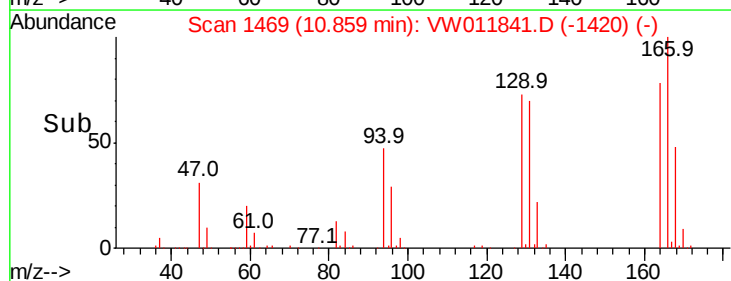
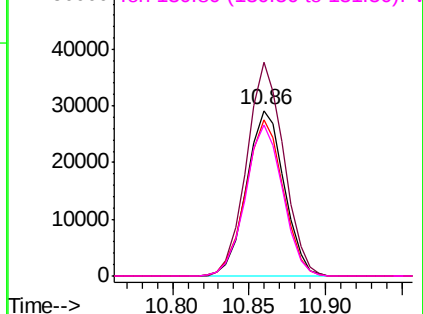


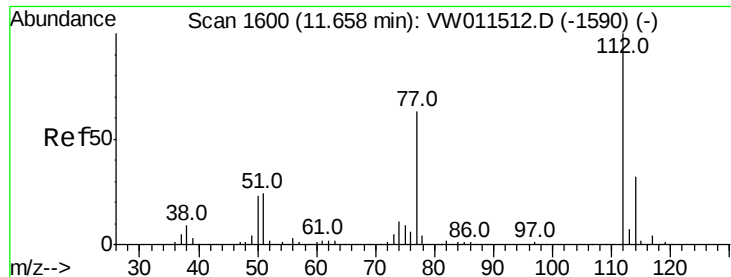
#64
Tetrachloroethene
Concen: 22.834 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion:164 Resp: 49857
Ion Ratio Lower Upper
164 100
166 128.9 103.5 155.3
129 94.0 75.2 112.8
131 90.8 73.4 110.2



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

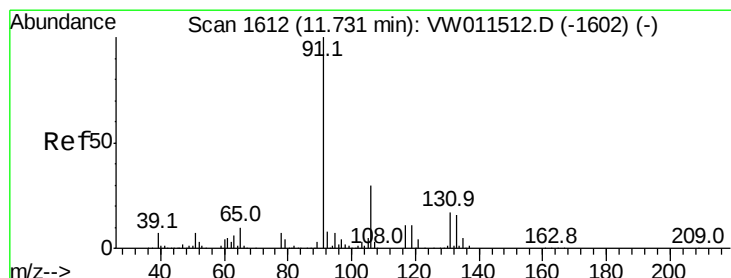
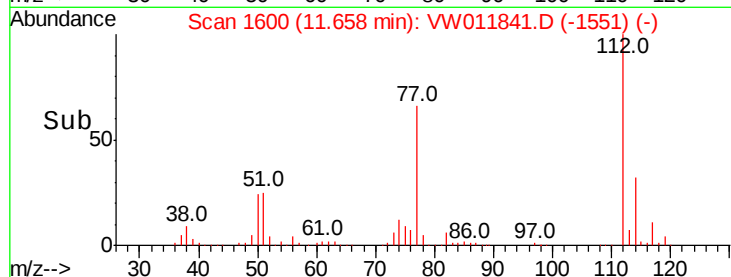
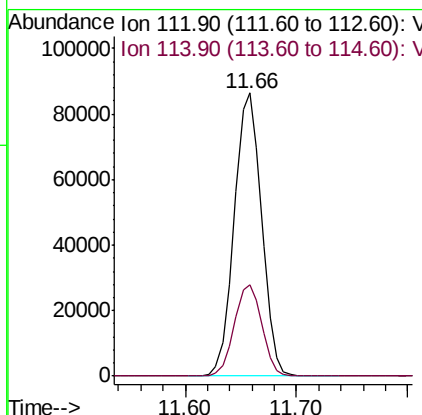
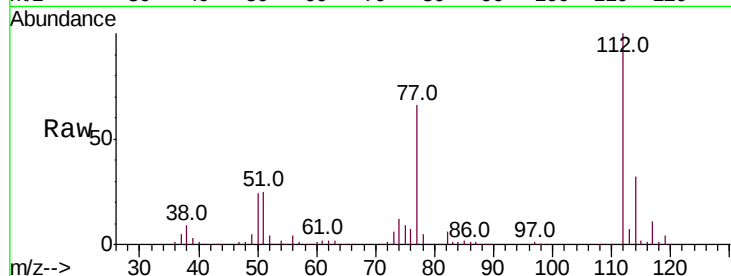




#65
Chlorobenzene
Concen: 21.772 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

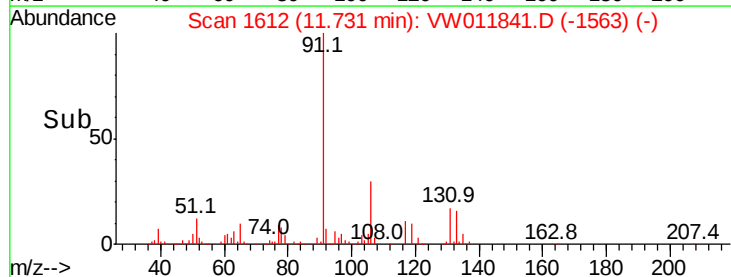
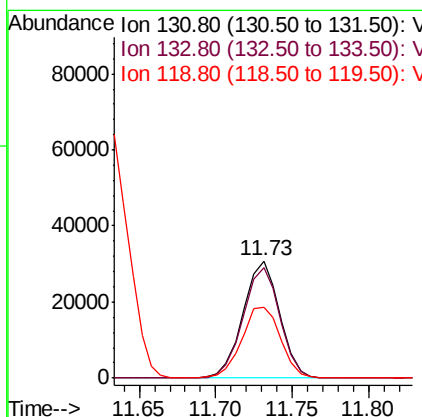
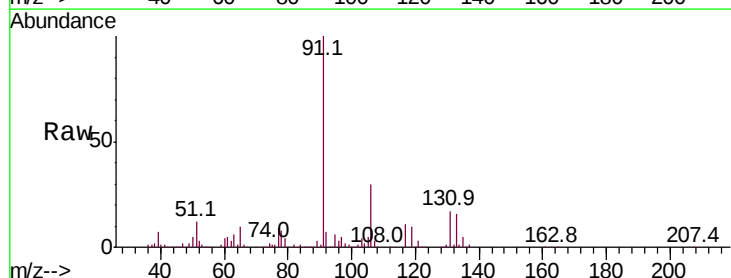
Instrument :
MSVOA_W
ClientSampled :

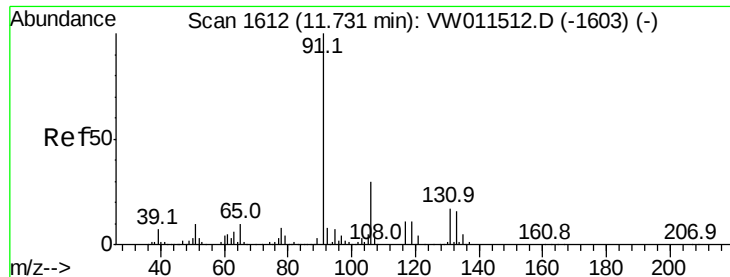
Tot Ion:112 Resp: 146783
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.833 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion:131 Resp: 51273
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 64.2 32.3 96.9





#67

Ethyl Benzene

Concen: 22.513 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

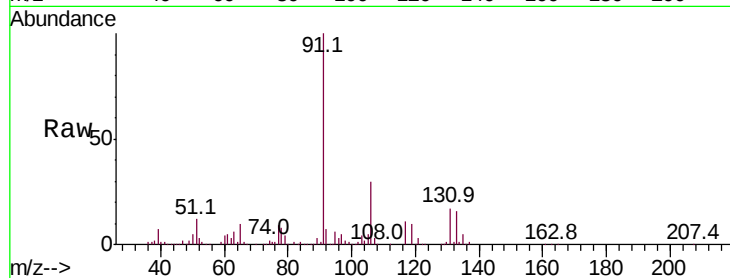
ClientSampled :

Tot Ion: 91 Resp: 289080

Ion Ratio Lower Upper

91 100

106 30.2 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

200000

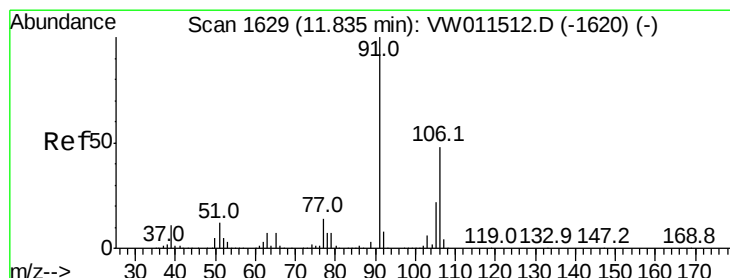
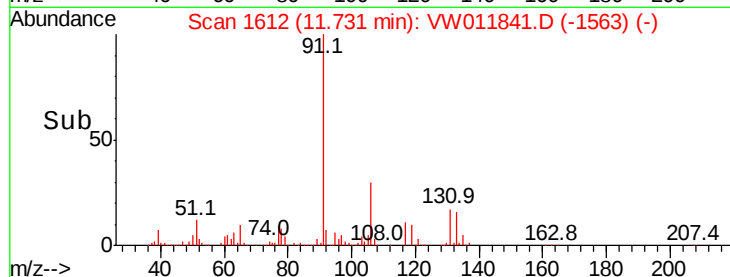
150000

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 45.021 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011841.D

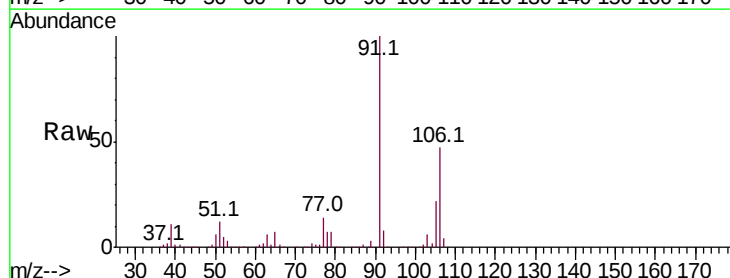
Acq: 12 Aug 2019 10:32

Tgt Ion:106 Resp: 210234

Ion Ratio Lower Upper

106 100

91 210.1 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

250000

200000

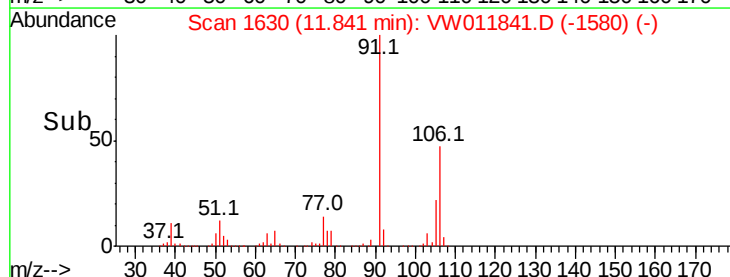
150000

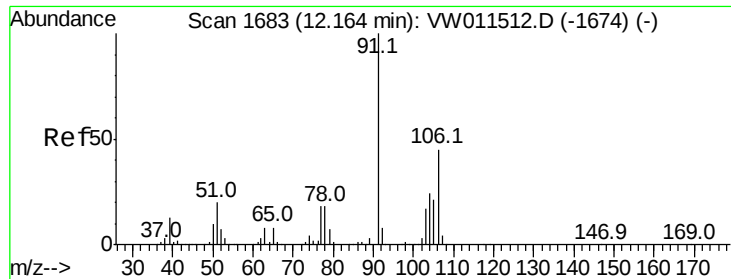
100000

50000

0

Time-->

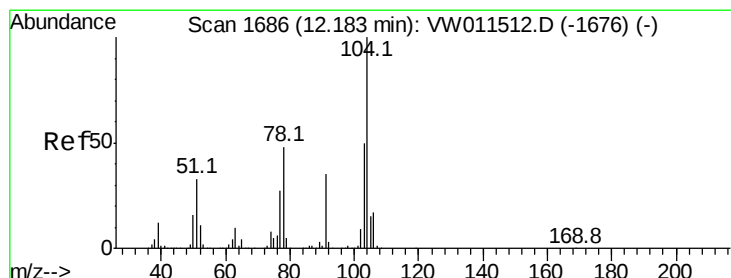
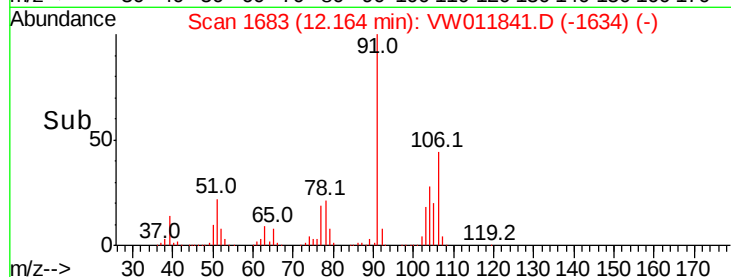
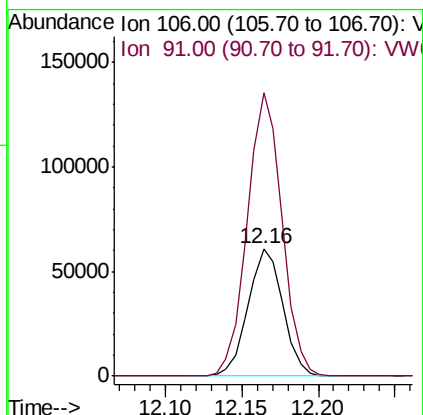
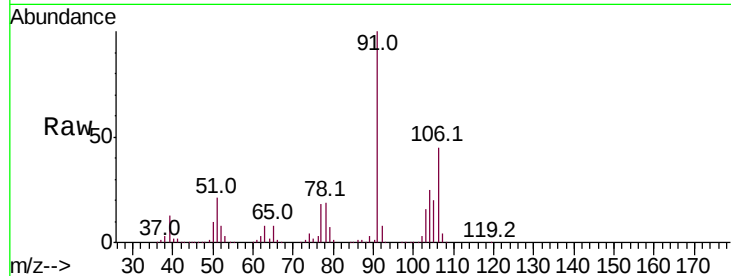




#69
o-Xylene
Concen: 22.186 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

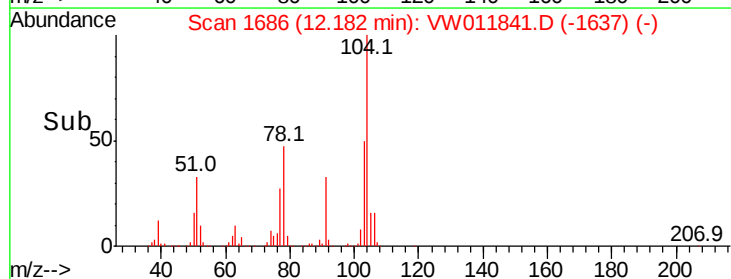
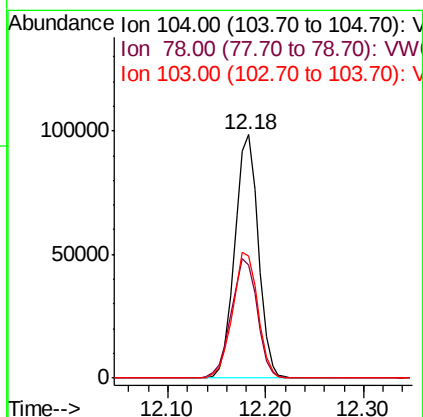
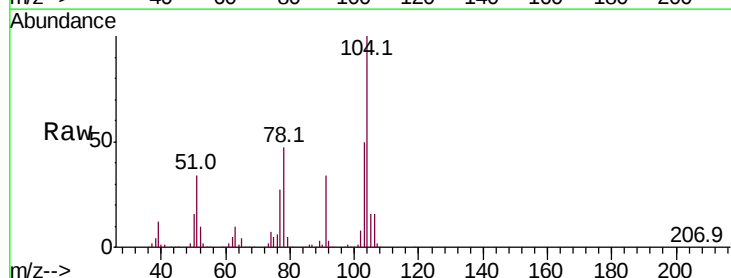
Instrument :
MSVOA_W
ClientSampled :

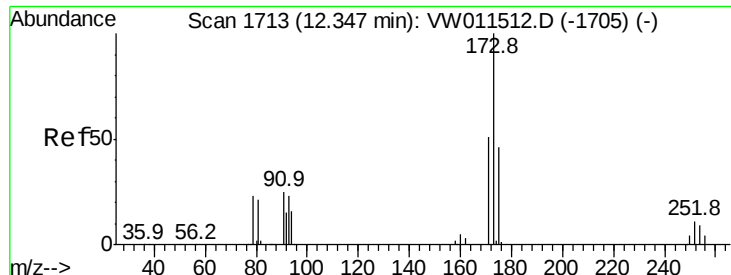
Tot Ion:106 Resp: 96271
Ion Ratio Lower Upper
106 100
91 222.0 110.5 331.5



#70
Styrene
Concen: 21.967 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion:104 Resp: 164813
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.0
103 55.5 43.9 65.9





#71

Bromoform

Concen: 19.927 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

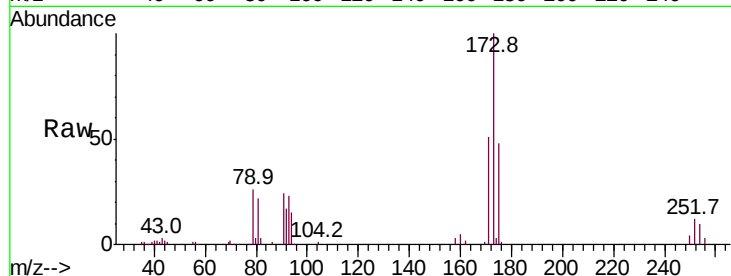
Tot Ion:173 Resp: 23860

Ion Ratio Lower Upper

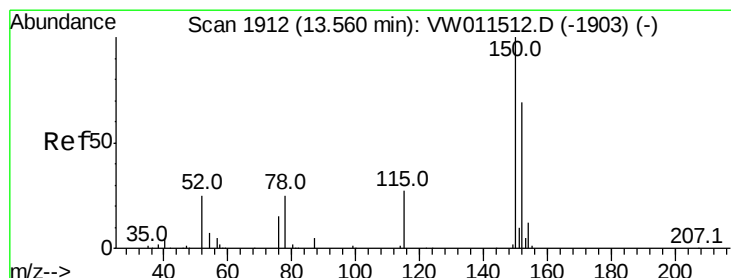
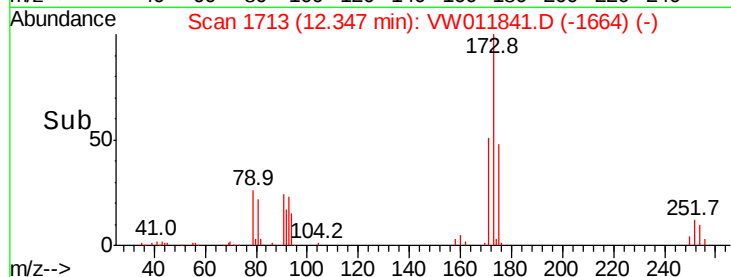
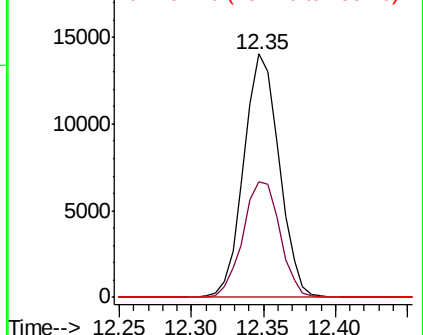
173 100

175 49.7 23.6 71.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

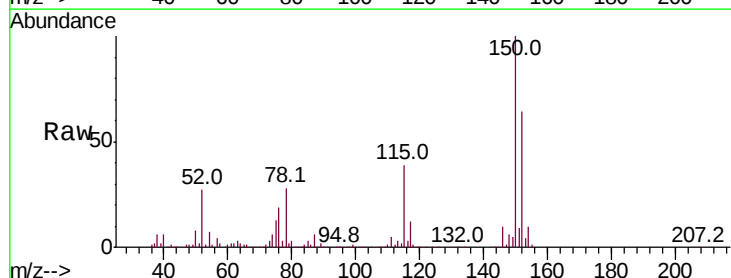
Tgt Ion:152 Resp: 164093

Ion Ratio Lower Upper

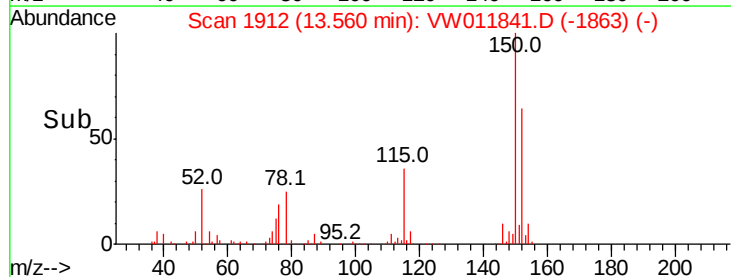
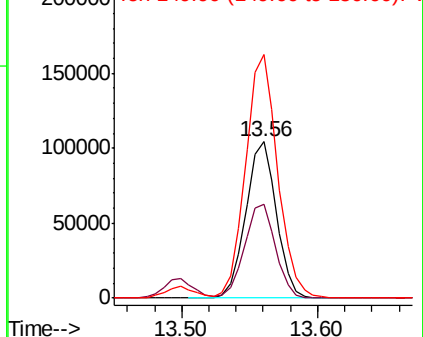
152 100

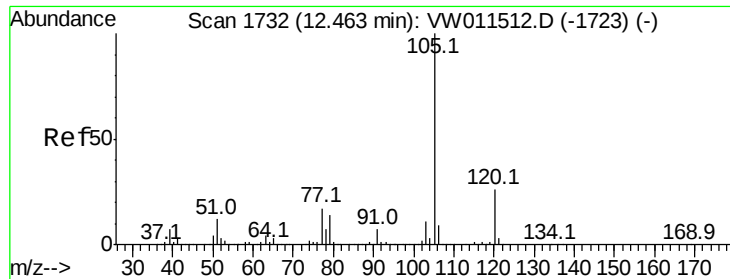
115 60.9 30.5 91.5

150 163.4 0.0 352.6



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: 22.244 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

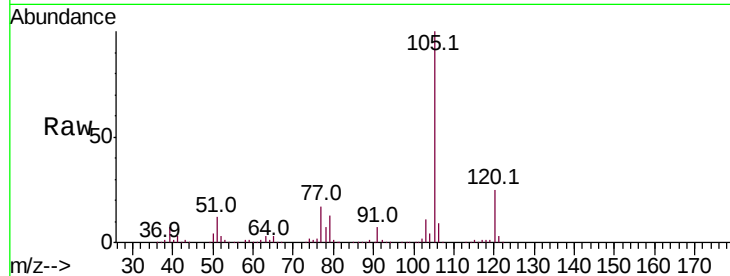
ClientSampleId :

Tot Ion:105 Resp: 272303

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

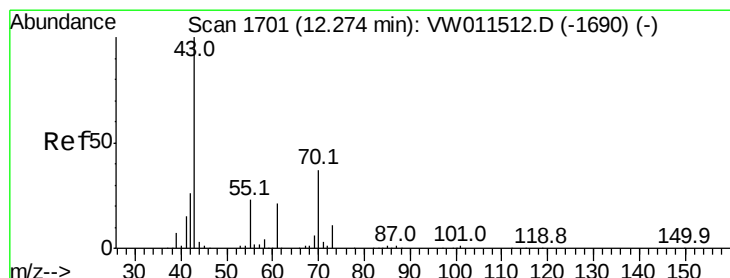
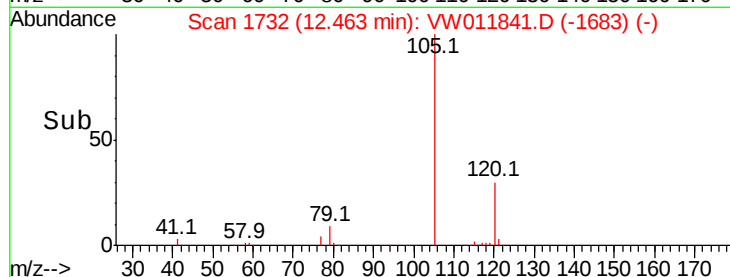
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.852 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion: 43 Resp: 72253

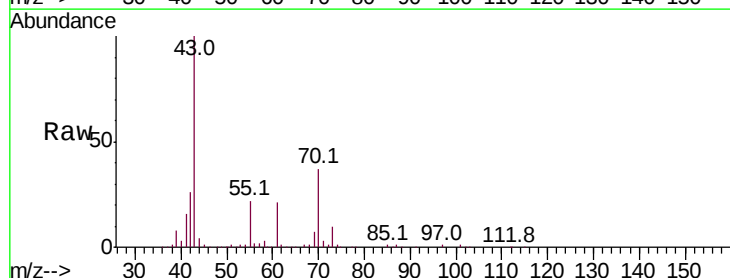
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 23.7 17.8 26.8

61 20.8 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

40000

20000

0

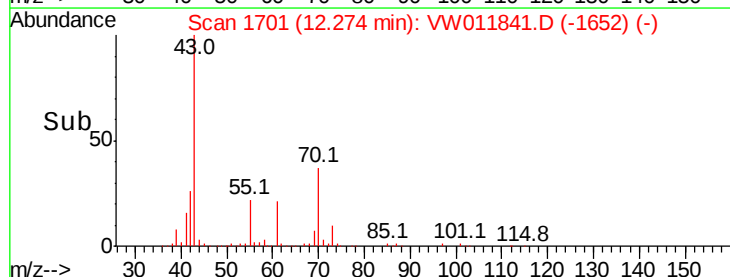
12.27

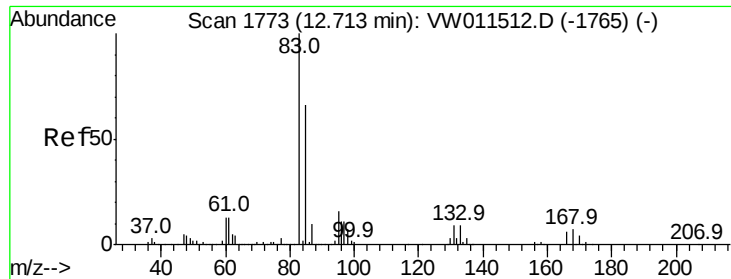
12.20

12.30

12.40

Time-->

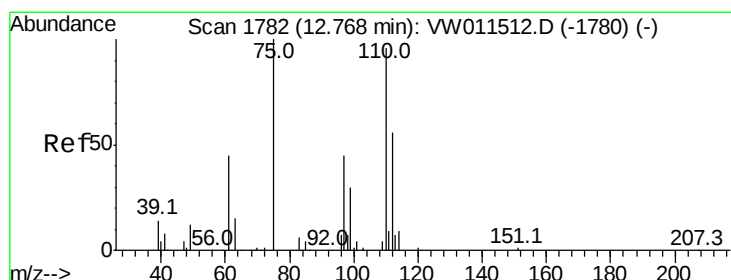
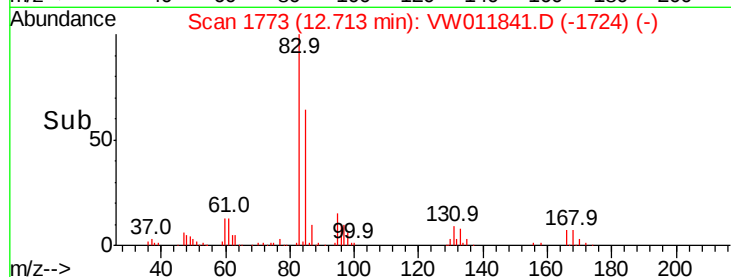
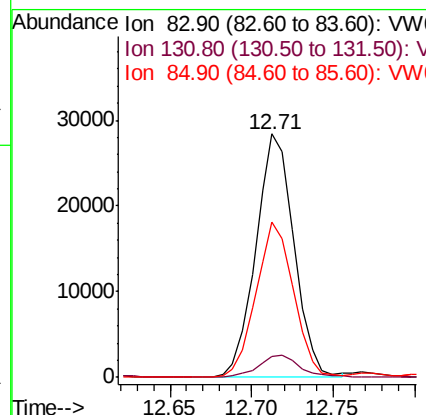
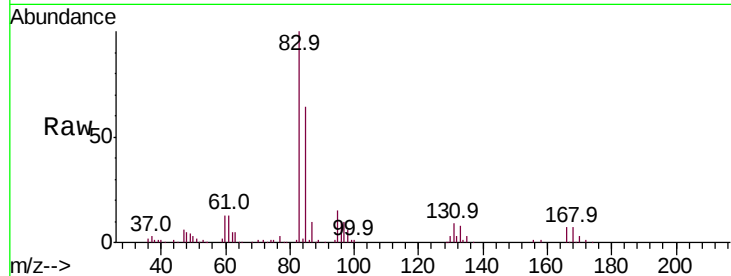




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.022 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

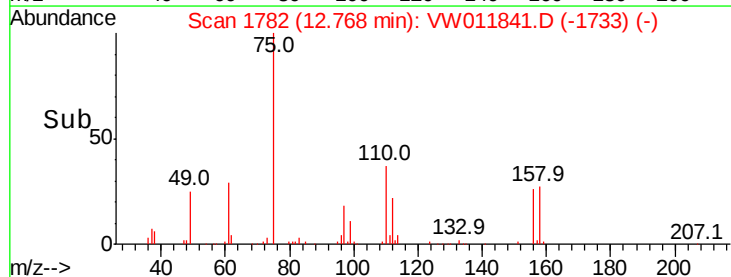
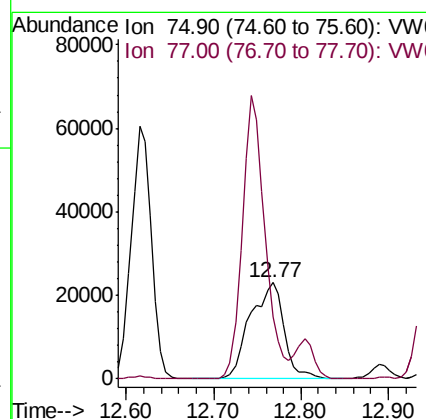
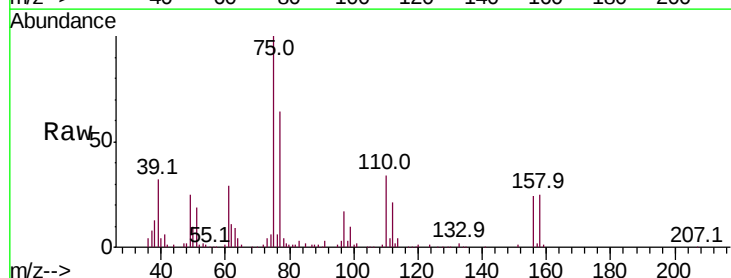
Instrument :
 MSVOA_W
 ClientSampleId :

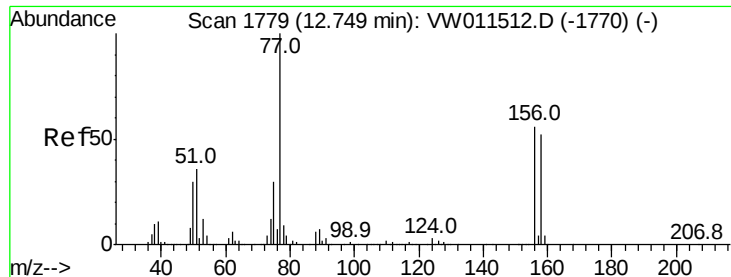
Tot Ion	83	Resp	46104
Ion Ratio	100		
Lower	4.9		
Upper	14.6		
85	62.7	31.8	95.4



#76
 1,2,3-Trichloropropane
 Concen: 35.916 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	75	Resp	62360
Ion Ratio	100		
Lower	0.0		
Upper	0.0		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.577 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampled :

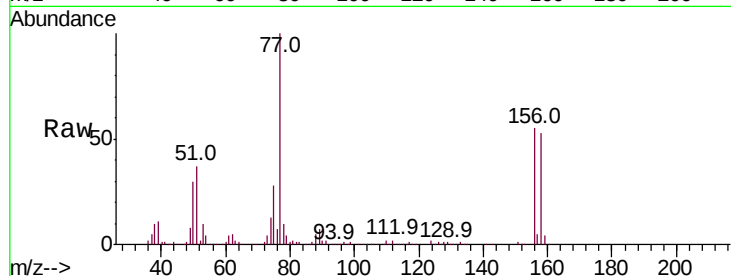
Tot Ion:156 Resp: 58382

Ion Ratio Lower Upper

156 100

77 211.1 106.5 319.4

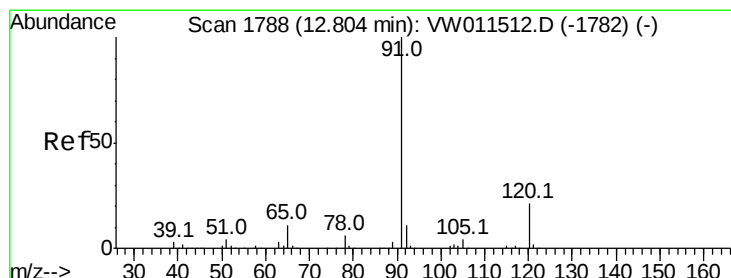
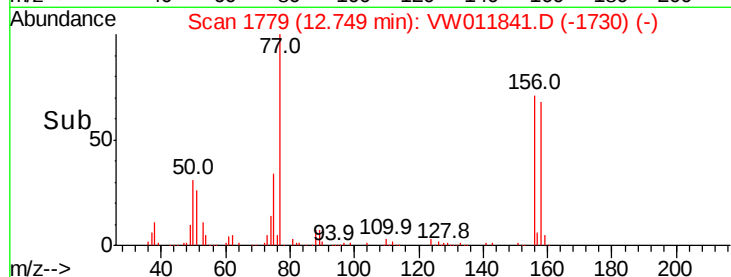
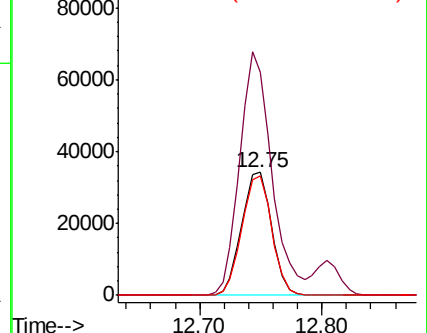
158 96.2 48.0 144.2



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: 22.875 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011841.D

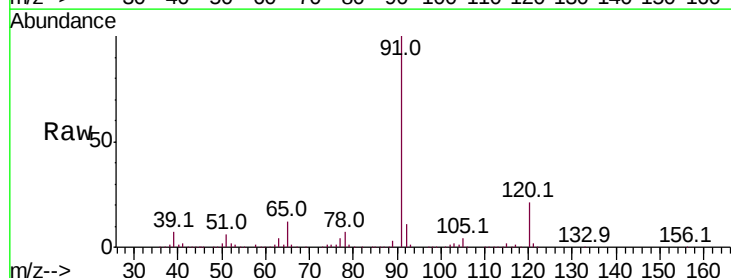
Acq: 12 Aug 2019 10:32

Tgt Ion: 91 Resp: 340791

Ion Ratio Lower Upper

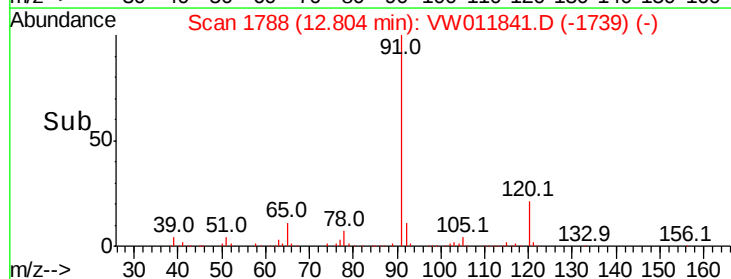
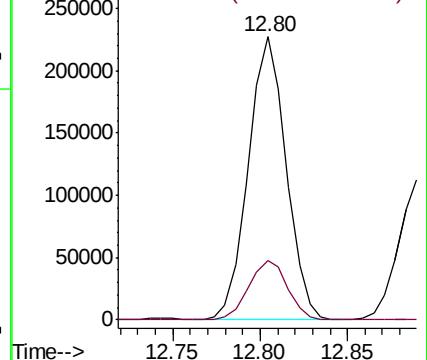
91 100

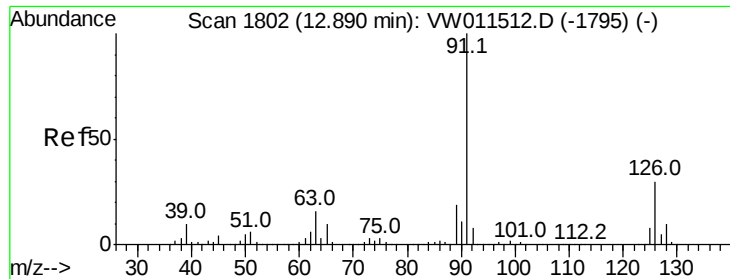
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

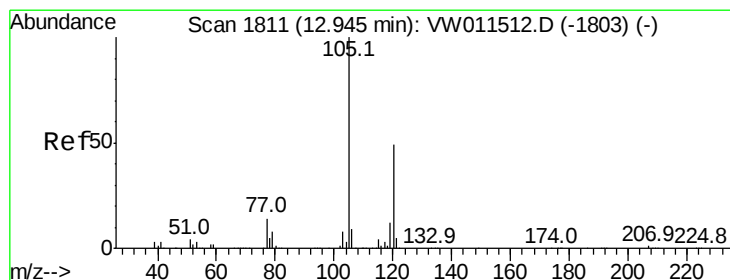
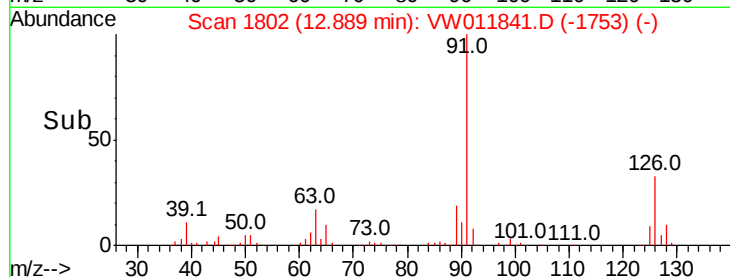
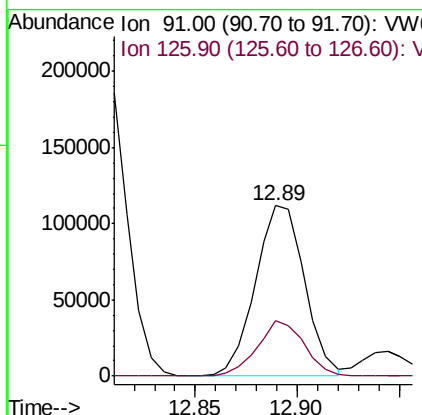
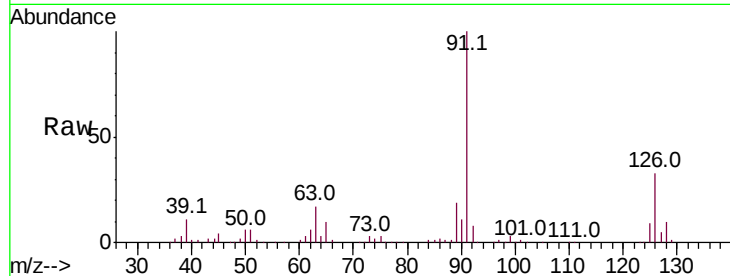




#79
 2-Chlorotoluene
 Concen: 21.829 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

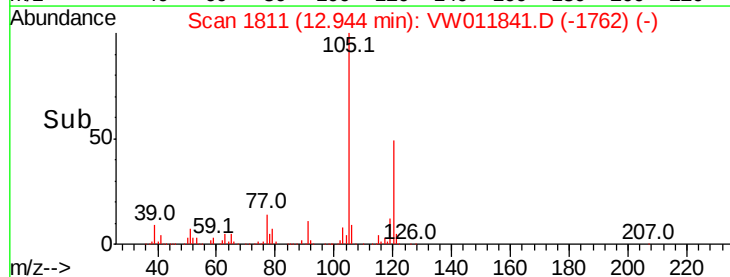
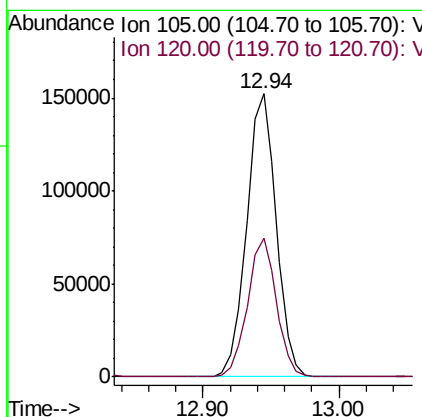
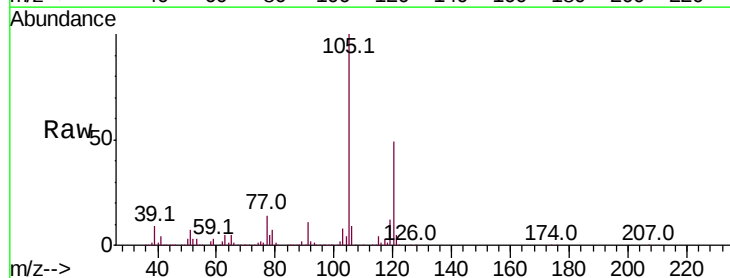
Instrument :
 MSVOA_W
 ClientSampleId :

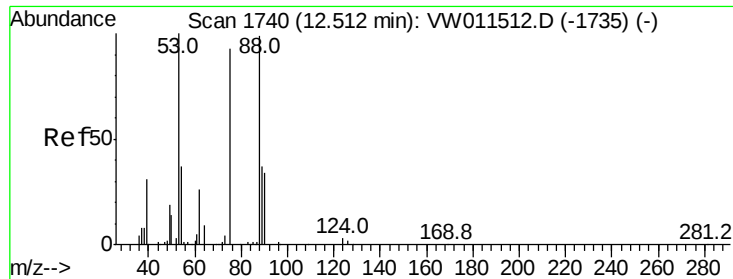
Tot Ion: 91 Resp: 187360
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.567 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion:105 Resp: 231572
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.361 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

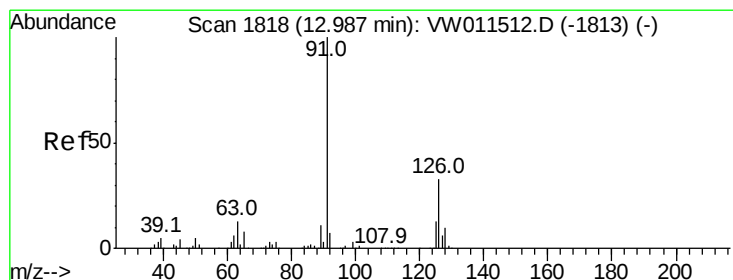
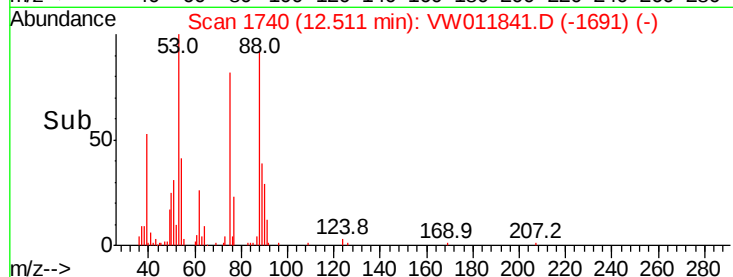
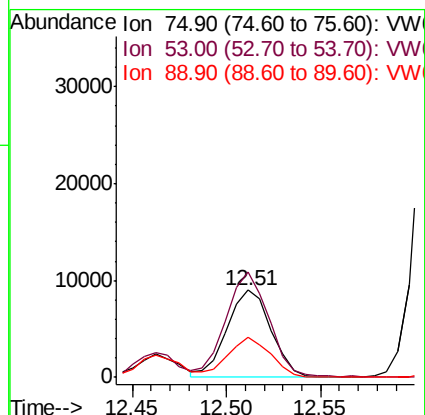
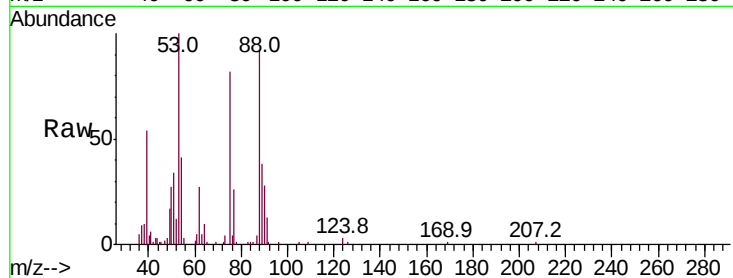
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 14586

Ion	Ratio	Lower	Upper
75	100		
53	118.7	88.0	132.0
89	43.9	35.3	52.9



#82

4-Chlorotoluene

Concen: 21.916 ug/l

RT: 12.99 min Scan# 1818

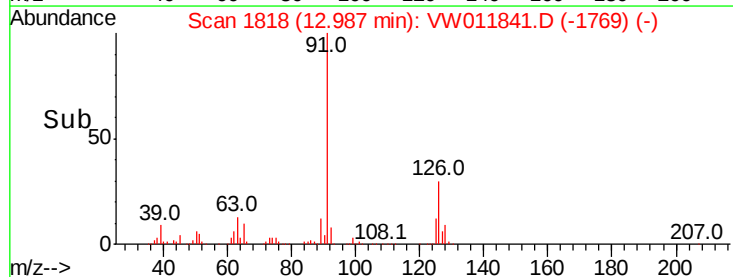
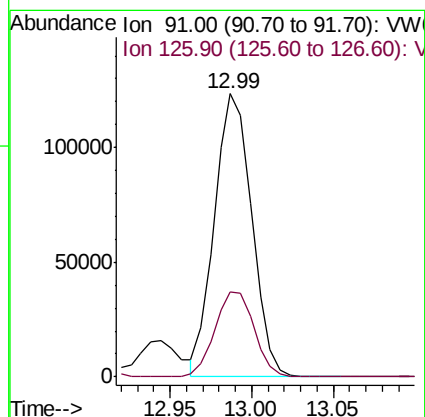
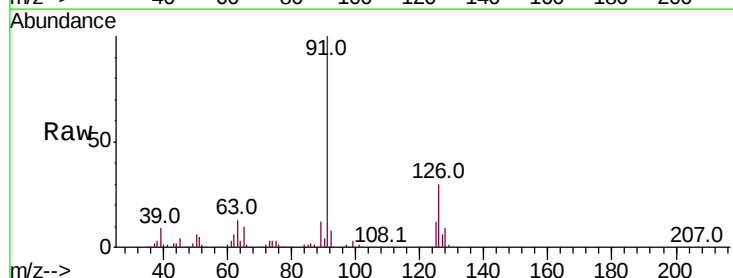
Delta R.T. -0.00 min

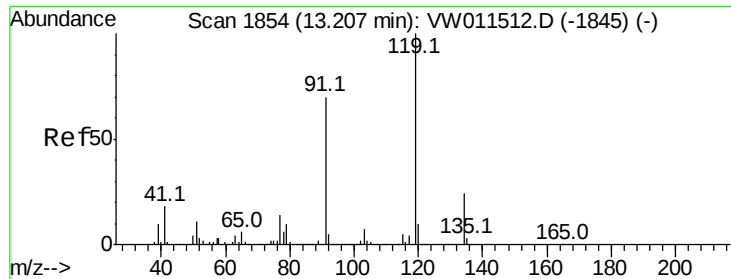
Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion: 91 Resp: 197355

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





#83

tert-Butylbenzene

Concen: 22.564 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

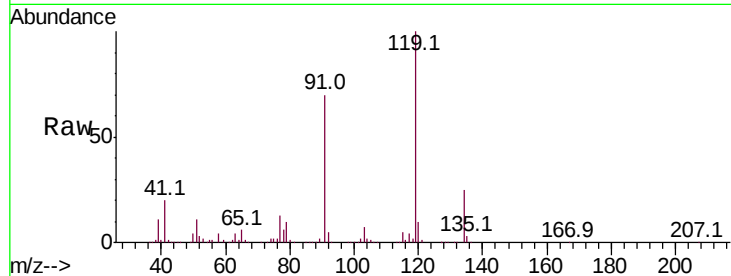
Tot Ion:119 Resp: 193625

Ion Ratio Lower Upper

119 100

91 68.9 34.5 103.6

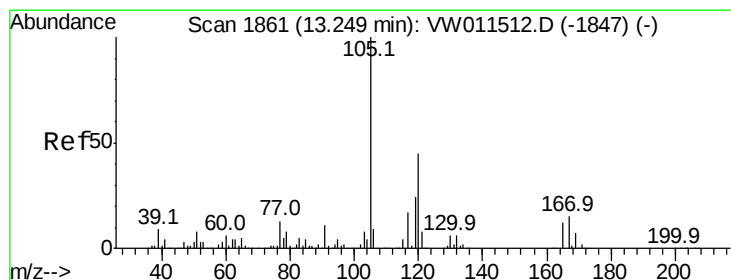
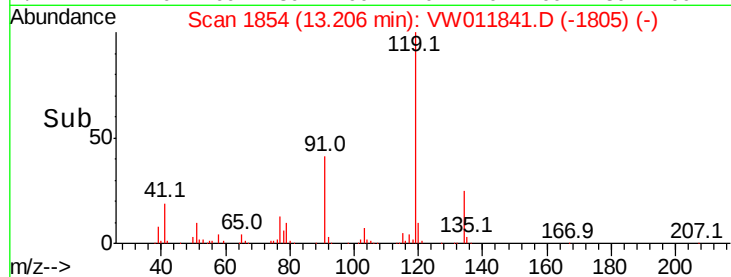
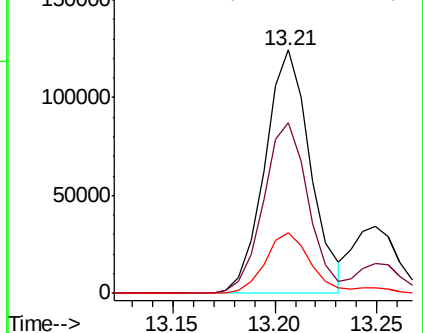
134 24.7 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.048 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW011841.D

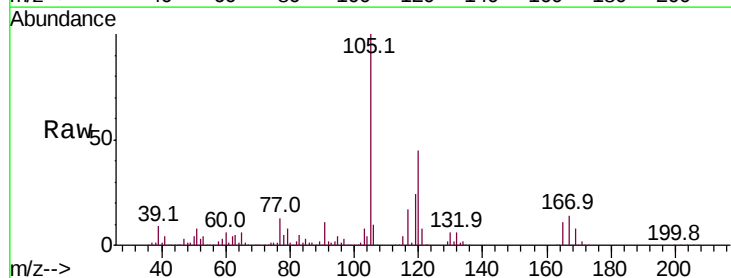
Acq: 12 Aug 2019 10:32

Tgt Ion:105 Resp: 227911

Ion Ratio Lower Upper

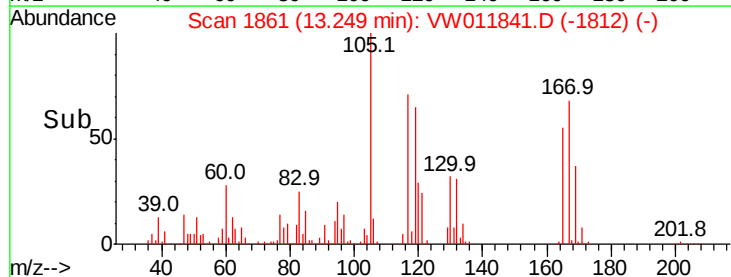
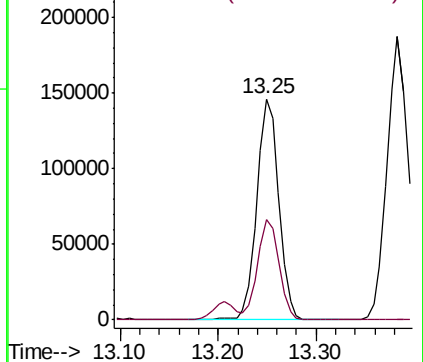
105 100

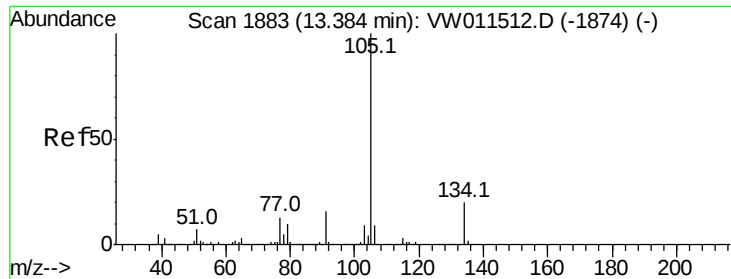
120 44.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

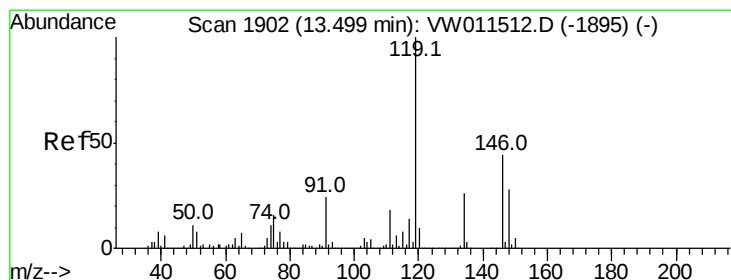
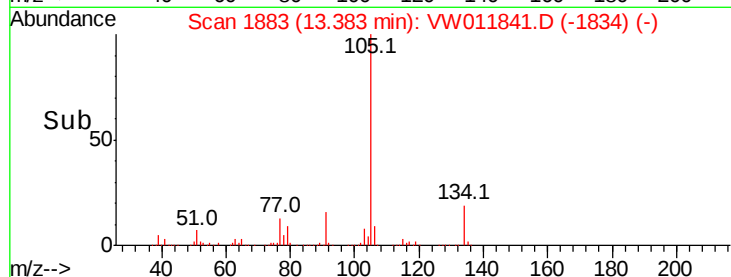
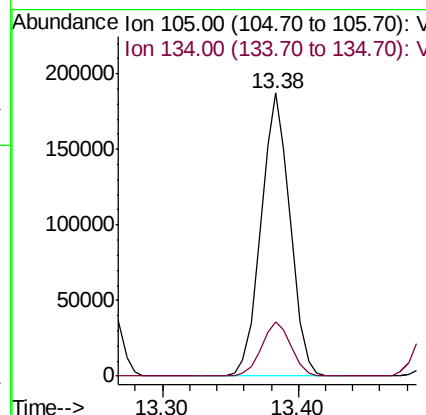
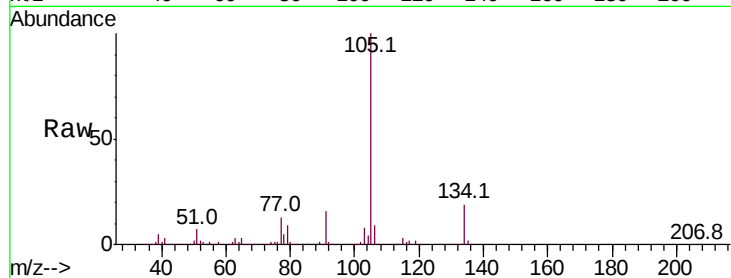




#85
 sec-Butylbenzene
 Concen: 22.891 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

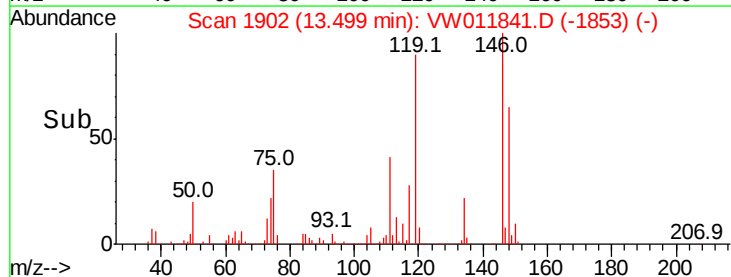
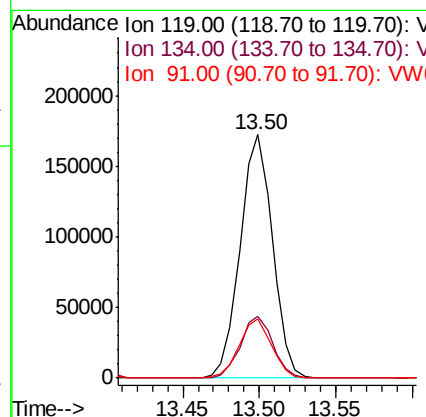
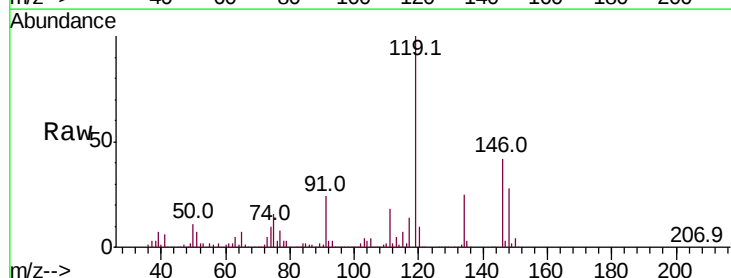
Instrument :
 MSVOA_W
 ClientSampleId :

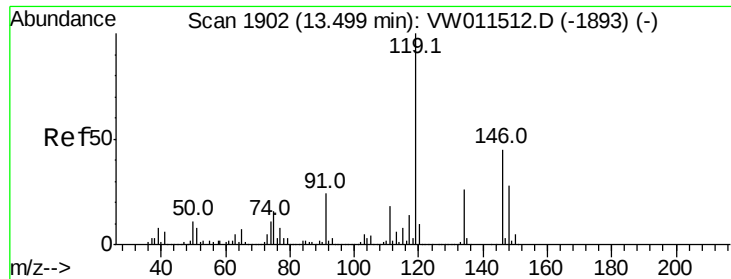
Tot Ion:105 Resp: 280285
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 22.654 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion:119 Resp: 251671
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.4 12.1 36.3

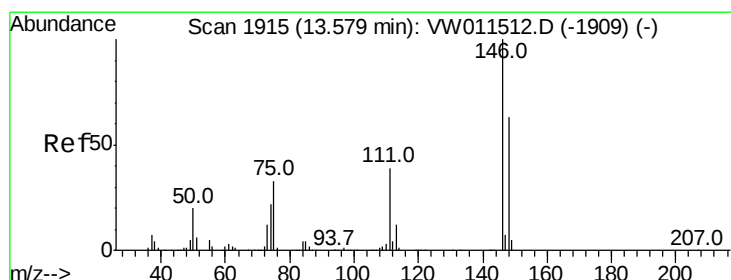
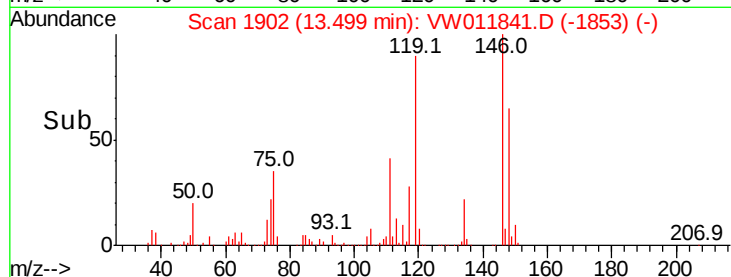
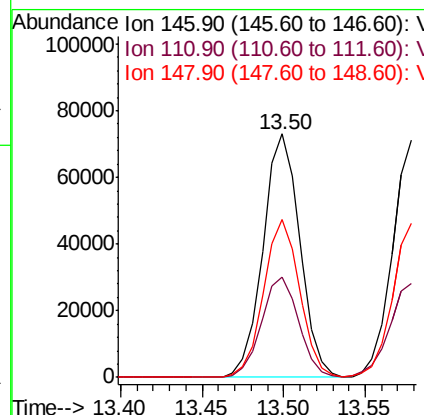
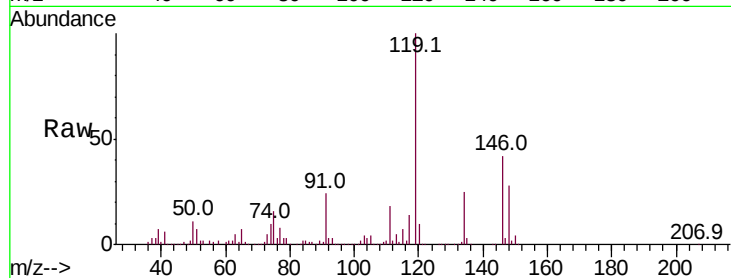




#87
 1,3-Dichlorobenzene
 Concen: 21.614 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

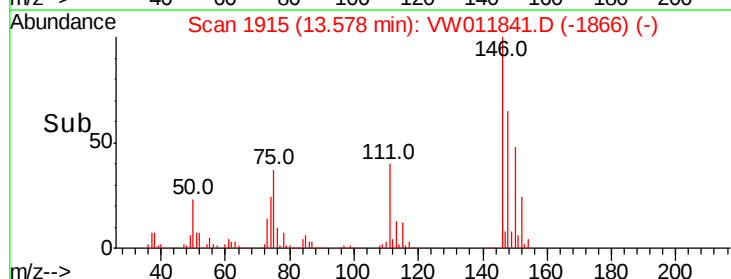
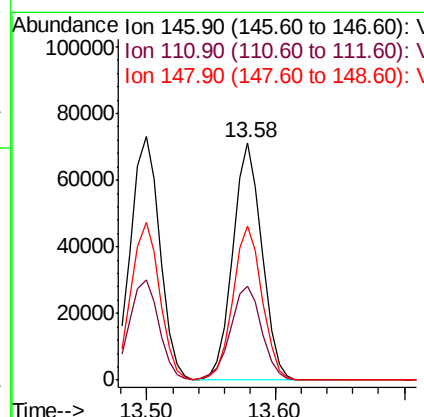
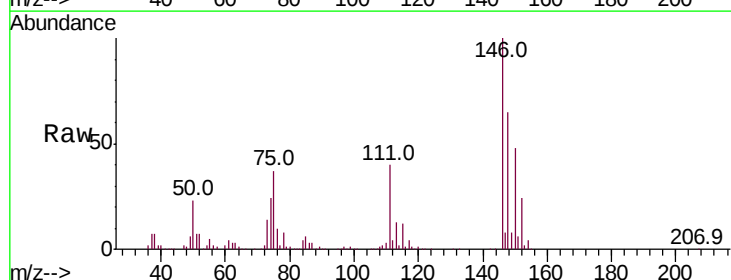
Instrument :
 MSVOA_W
 ClientSampled :

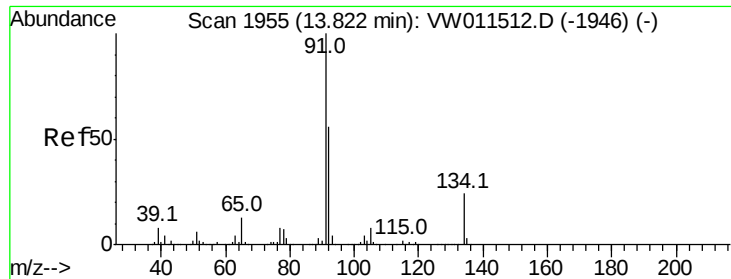
Tot Ion:146 Resp: 114671
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.5 61.6
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.379 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion:146 Resp: 112831
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.1 60.2
 148 65.1 31.9 95.9





#89

n-Butylbenzene

Concen: 22.535 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

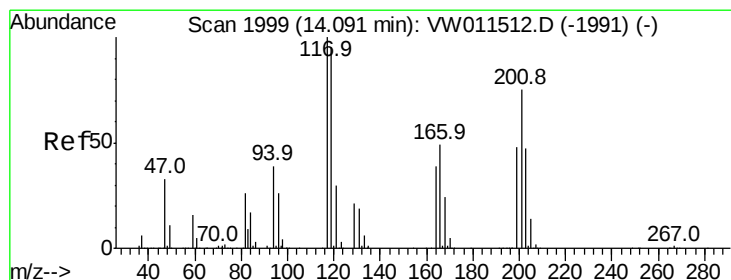
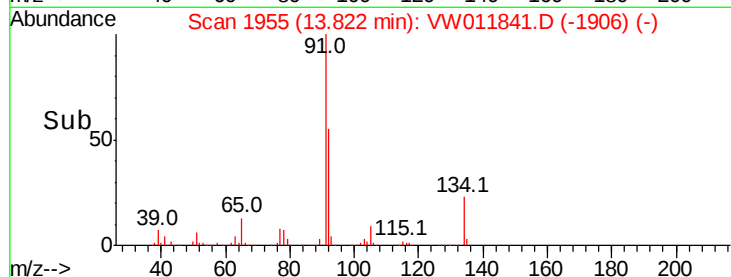
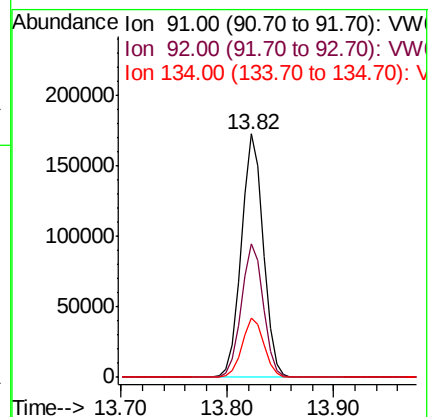
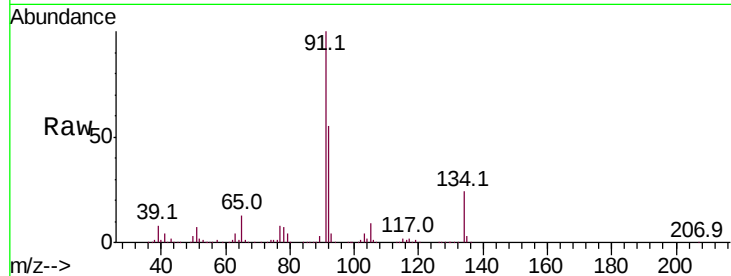
Tot Ion: 91 Resp: 249831

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.4

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 22.231 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011841.D

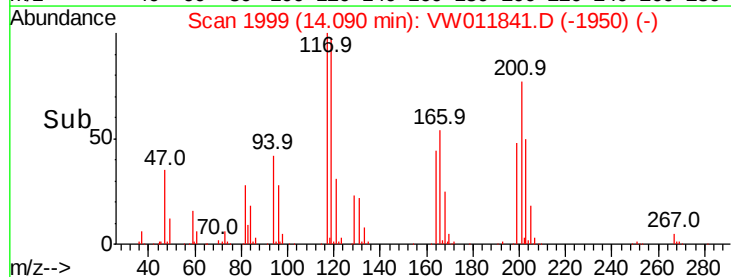
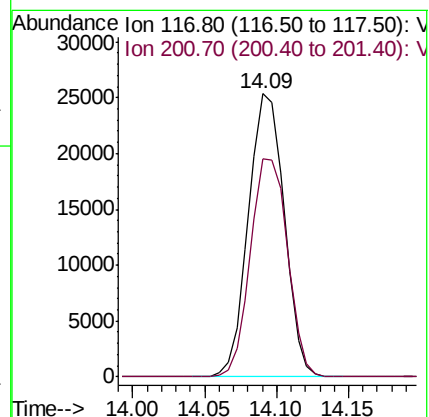
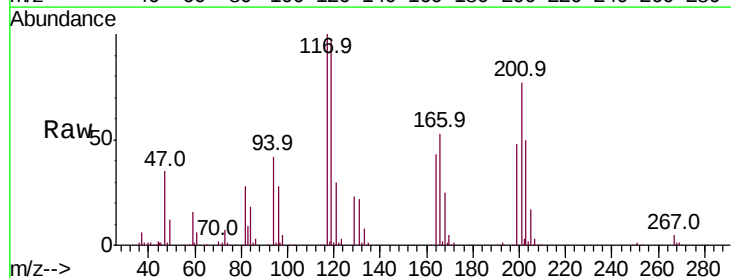
Acq: 12 Aug 2019 10:32

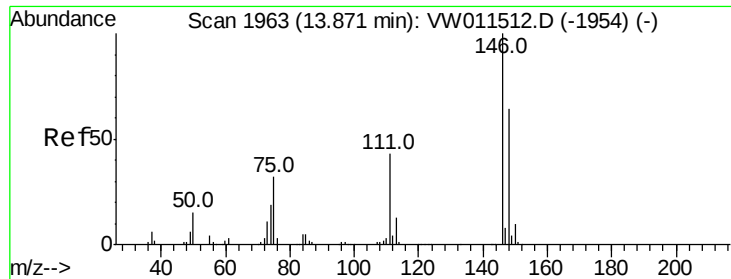
Tgt Ion: 117 Resp: 43673

Ion Ratio Lower Upper

117 100

201 79.8 39.4 118.2

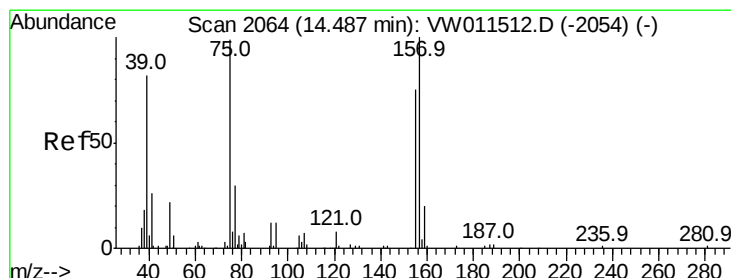
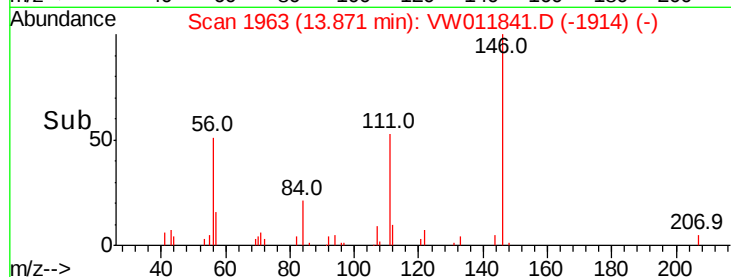
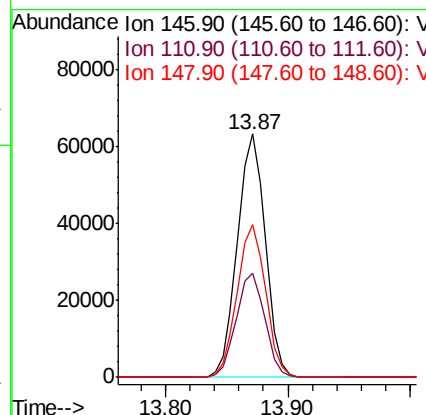
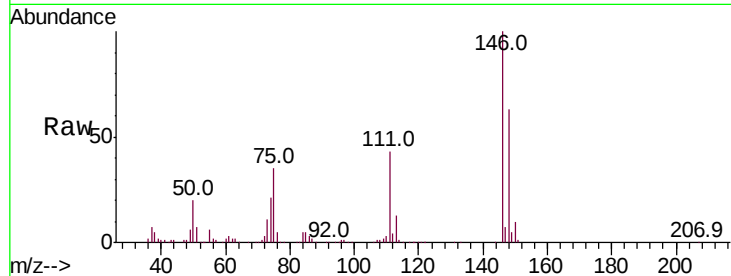




#91
 1,2-Dichlorobenzene
 Concen: 21.304 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

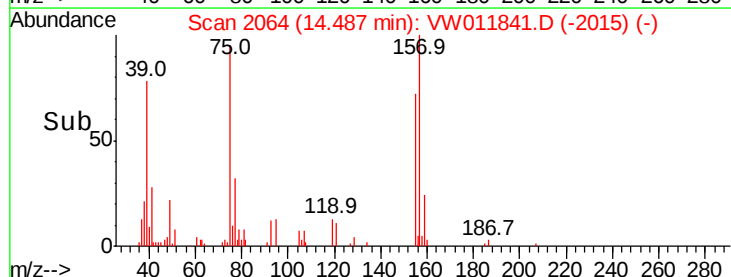
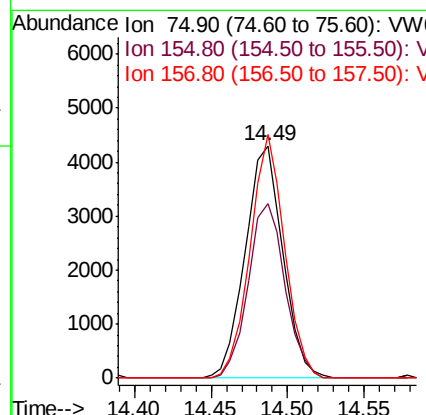
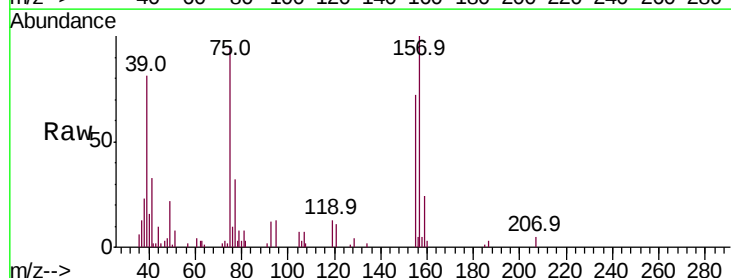
Instrument :
 MSVOA_W
 ClientSampled :

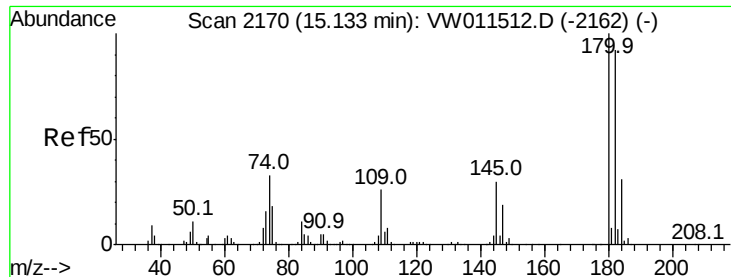
Tot Ion:146 Resp: 99968
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.6 65.0
 148 63.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.739 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion: 75 Resp: 7358
 Ion Ratio Lower Upper
 75 100
 155 73.6 38.2 114.6
 157 95.6 48.9 146.7

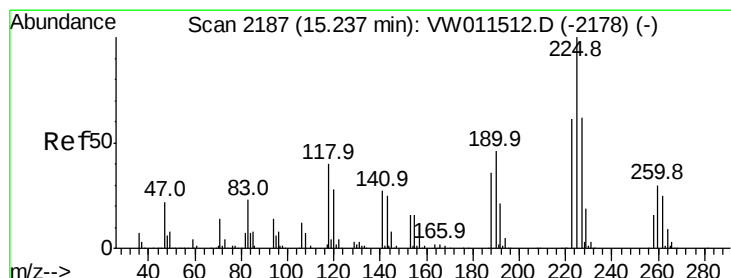
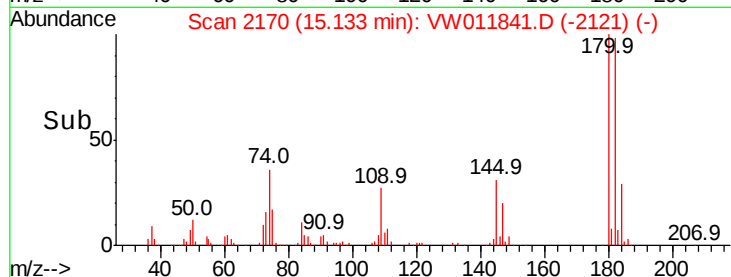
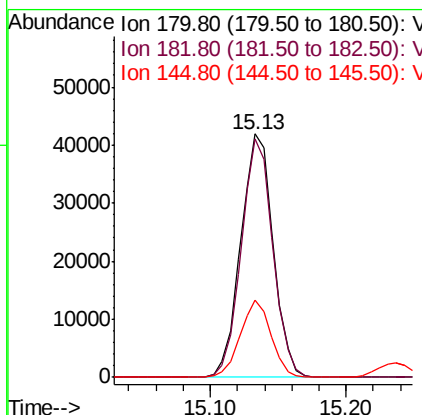
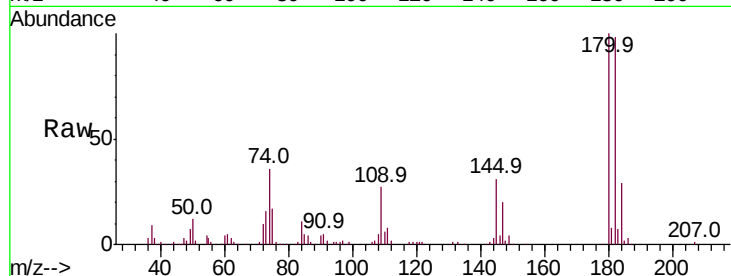




#93
 1,2,4-Trichlorobenzene
 Concen: 21.069 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

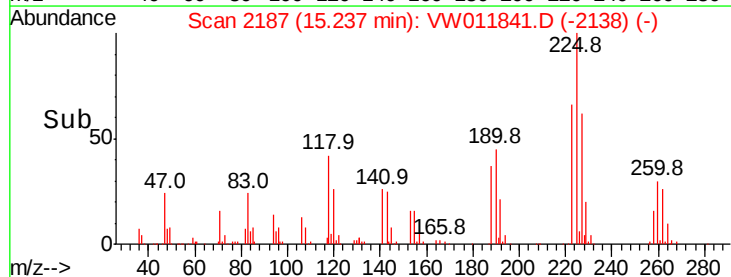
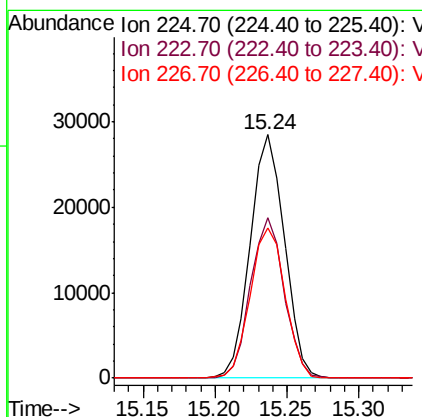
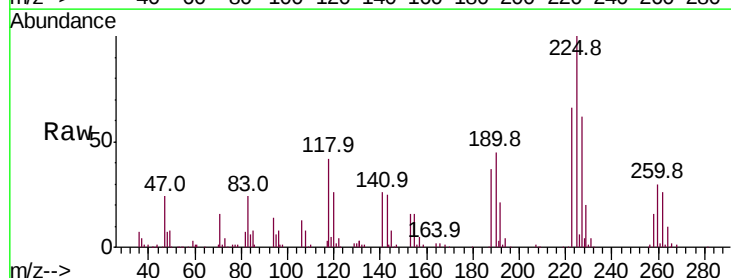
Instrument :
 MSVOA_W
 ClientSampled :

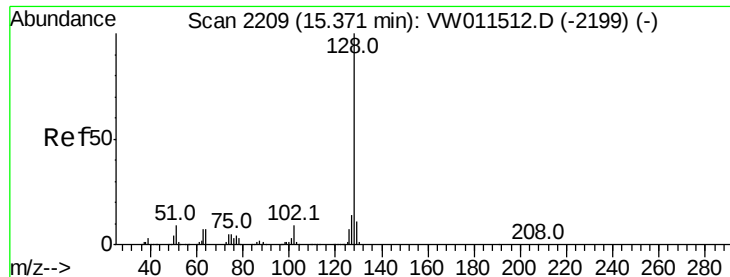
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	30.2	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 22.712 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	30.8	92.3
227	62.9	31.6	94.7

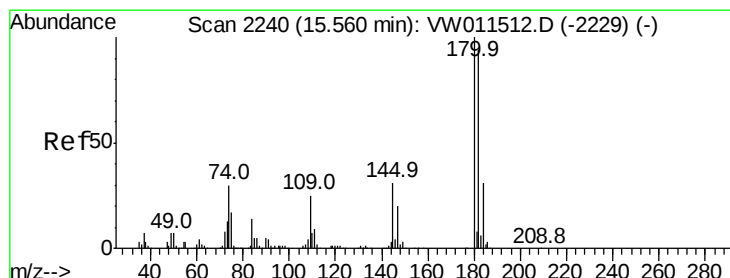
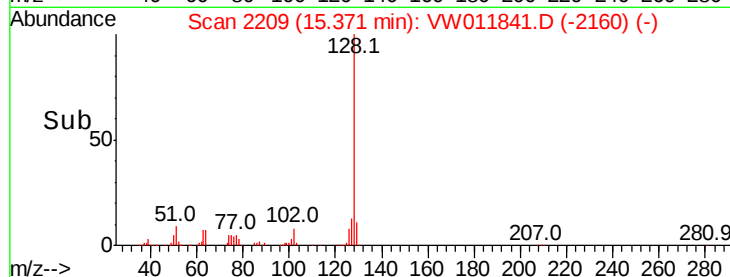
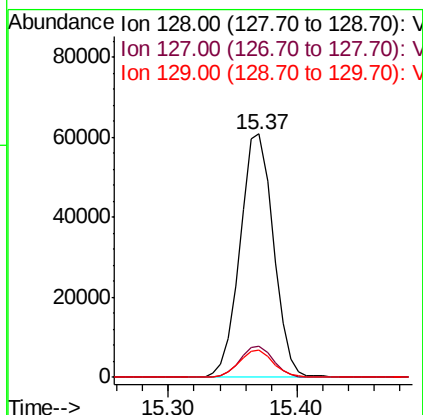
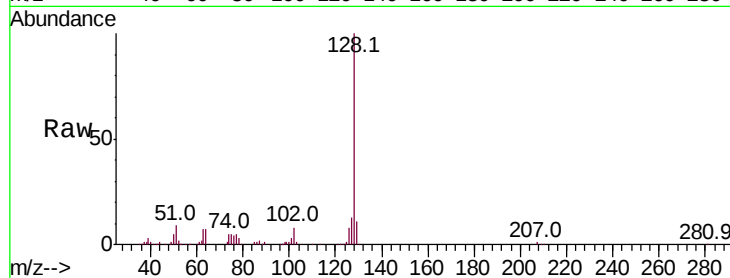




#95
Naphthalene
Concen: 18.206 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.4	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.465 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.2
145	32.5	15.9	47.7

