

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011349.D
 Acq On : 18 Jul 2019 23:22
 Operator : SY/VA
 Sample : VW0718SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:47:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	310361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	110146	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	7.88	113	85009	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	10.32	98	335925	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
62) 4-Bromofluorobenzene	12.62	95	124858	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	24597	18.318	ug/l	98
3) Chloromethane	2.21	50	36642	21.177	ug/l	98
4) Vinyl Chloride	2.35	62	41188	18.187	ug/l	96
5) Bromomethane	2.75	94	21123	18.562	ug/l	90
6) Chloroethane	2.90	64	22148	18.157	ug/l	99
7) Trichlorofluoromethane	3.23	101	11321	14.072	ug/l	97
8) Diethyl Ether	3.67	74	22636	20.335	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	34915	18.118	ug/l	98
10) Methyl Iodide	4.26	142	50166	18.927	ug/l	99
11) Tert butyl alcohol	5.17	59	23143	138.171	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	36453	18.225	ug/l	96
13) Acrolein	3.88	56	11052	82.864	ug/l	96
14) Allyl chloride	4.65	41	63643	17.449	ug/l	99
15) Acrylonitrile	5.36	53	62012	109.382	ug/l	99
16) Acetone	4.12	43	60817	111.725	ug/l	99
17) Carbon Disulfide	4.37	76	99594	16.425	ug/l	98
18) Methyl Acetate	4.66	43	45044	28.491	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	64244	21.169	ug/l	98
20) Methylene Chloride	4.91	84	54015	25.154	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	40739	19.602	ug/l	98
22) Diisopropyl ether	6.31	45	162280	20.687	ug/l	99
23) Vinyl Acetate	6.24	43	467175	96.229	ug/l	100
24) 1,1-Dichloroethane	6.21	63	82453	20.016	ug/l	99
25) 2-Butanone	7.17	43	100186	117.249	ug/l	98
26) 2,2-Dichloropropane	7.16	77	40607	18.964	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	45811	20.434	ug/l	98
28) Bromochloromethane	7.51	49	41431	22.119	ug/l	100
29) Tetrahydrofuran	7.52	42	63248	112.885	ug/l	99
30) Chloroform	7.67	83	76746	20.117	ug/l	99
31) Cyclohexane	7.95	56	77157	17.606	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	53544	18.451	ug/l	98
36) 1,1-Dichloropropene	8.08	75	59044	17.865	ug/l	100
37) Ethyl Acetate	7.25	43	42480	21.392	ug/l	99
38) Carbon Tetrachloride	8.06	117	48258	17.224	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	67433	16.833	ug/l	97
40) Benzene	8.32	78	176455	19.319	ug/l	100
41) Methacrylonitrile	7.48	41	22716	20.001	ug/l	99
42) 1,2-Dichloroethane	8.40	62	58724	19.819	ug/l	99
43) Isopropyl Acetate	8.42	43	76849	20.498	ug/l	99
44) Trichloroethene	9.09	130	41196	18.743	ug/l	99
45) 1,2-Dichloropropane	9.37	63	48455	19.590	ug/l	98
46) Dibromomethane	9.46	93	23335	20.084	ug/l	99
47) Bromodichloromethane	9.64	83	56358	18.957	ug/l	99
48) Methyl methacrylate	9.43	41	35926	19.918	ug/l	96
49) 1,4-Dioxane	9.45	88	8146	420.027	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	213881	109.210	ug/l	99
52) Toluene	10.38	92	105280	19.001	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	56012	17.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	67632	18.158	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33873	20.550	ug/l	97
56) Ethyl methacrylate	10.65	69	50701	20.203	ug/l	99
57) 1,3-Dichloropropane	10.93	76	63665	20.425	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	107431	92.340	ug/l	99
59) 2-Hexanone	10.97	43	142510	104.928	ug/l	100
60) Dibromochloromethane	11.13	129	34467	19.069	ug/l	100
61) 1,2-Dibromoethane	11.23	107	31041	19.881	ug/l	98
64) Tetrachloroethene	10.86	164	37750	19.817	ug/l	98
65) Chlorobenzene	11.66	112	108394	18.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37595	18.604	ug/l	99
67) Ethyl Benzene	11.73	91	202121	18.396	ug/l	100
68) m/p-Xylenes	11.84	106	145509	36.600	ug/l	99
69) o-Xylene	12.16	106	67897	18.120	ug/l	95
70) Styrene	12.18	104	123440	19.088	ug/l	100
71) Bromoform	12.35	173	19453	18.105	ug/l #	98
73) Isopropylbenzene	12.46	105	186692	17.926	ug/l	100
74) N-amyl acetate	12.27	43	70365	19.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42422	19.871	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	54432	33.809	ug/l #	100
77) Bromobenzene	12.74	156	44371	18.985	ug/l	99
78) n-propylbenzene	12.80	91	230811	17.991	ug/l	100
79) 2-Chlorotoluene	12.89	91	135733	18.386	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	161603	18.265	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11072	15.555	ug/l	94
82) 4-Chlorotoluene	12.99	91	144525	18.795	ug/l	99
83) tert-Butylbenzene	13.21	119	131743	17.854	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	165310	18.607	ug/l	98
85) sec-Butylbenzene	13.38	105	188948	17.746	ug/l	100
86) p-Isopropyltoluene	13.50	119	172344	18.047	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	86103	19.148	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	85846	18.958	ug/l	98
89) n-Butylbenzene	13.82	91	168392	17.676	ug/l	99
90) Hexachloroethane	14.10	117	28922	16.573	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	77995	19.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7124	18.813	ug/l	98

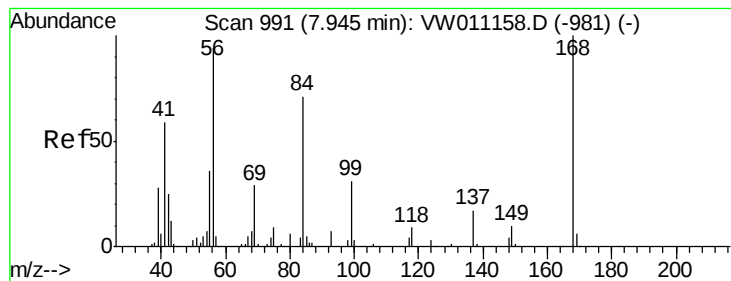
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	54782	19.496	ug/l	97
94) Hexachlorobutadiene	15.24	225	31746	18.402	ug/l	99
95) Naphthalene	15.37	128	105785	19.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	48707	19.641	ug/l	98

(#) = 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: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

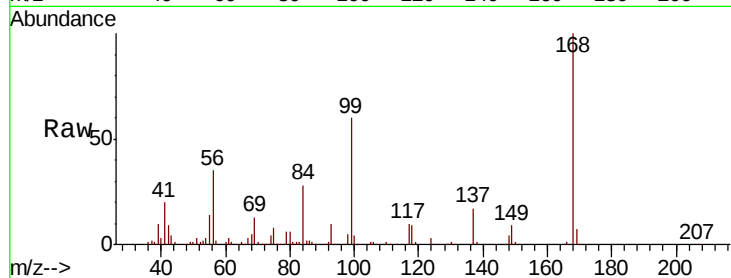
ClientSampleId :

Tot Ion:168 Resp: 180045

Ion Ratio Lower Upper

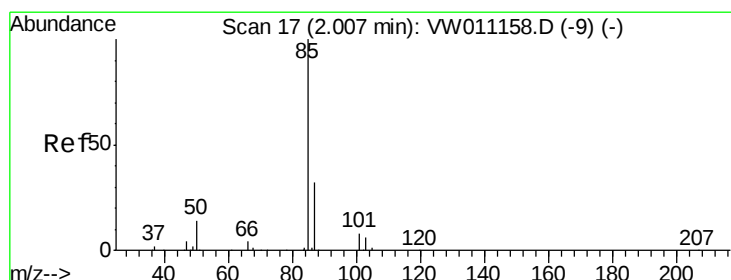
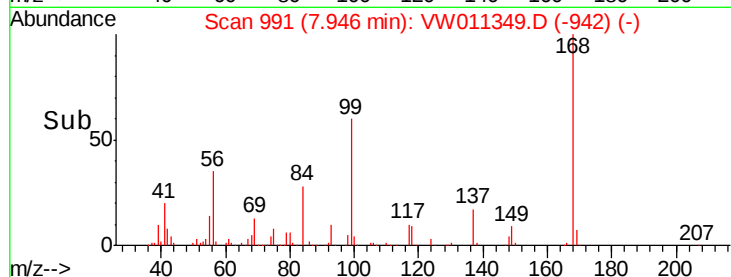
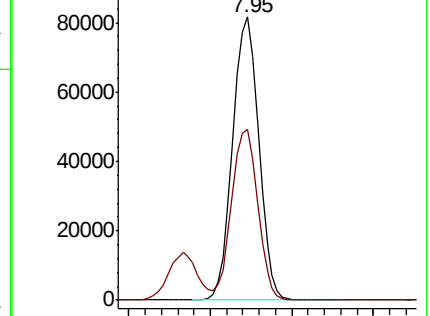
168 100

99 60.1 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.318 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011349.D

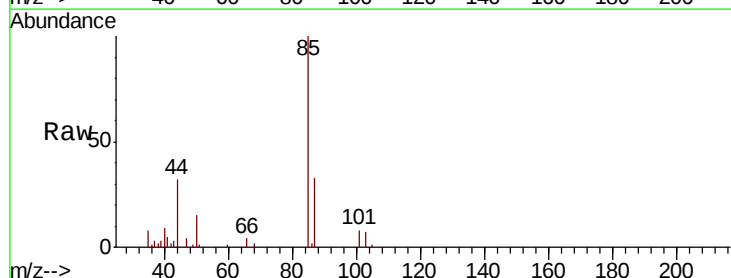
Acq: 18 Jul 2019 23:22

Tgt Ion: 85 Resp: 24597

Ion Ratio Lower Upper

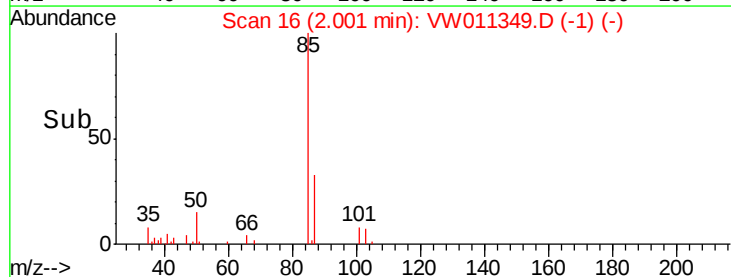
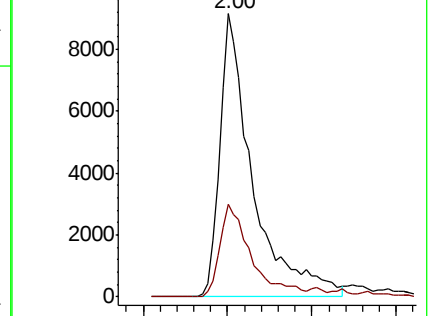
85 100

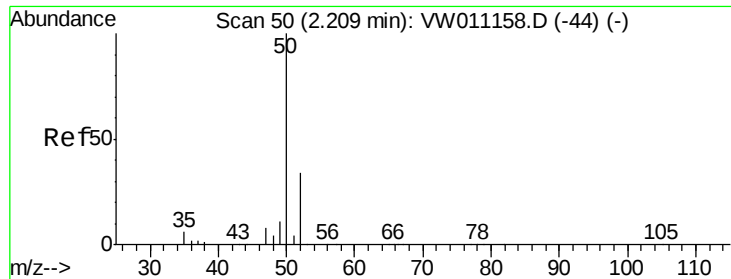
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.177 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

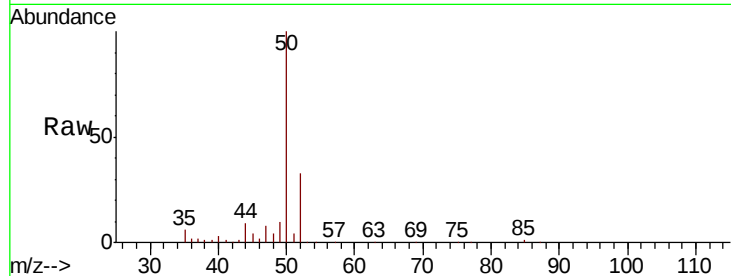
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 36642

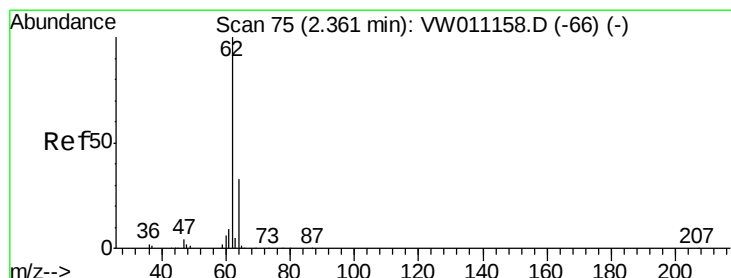
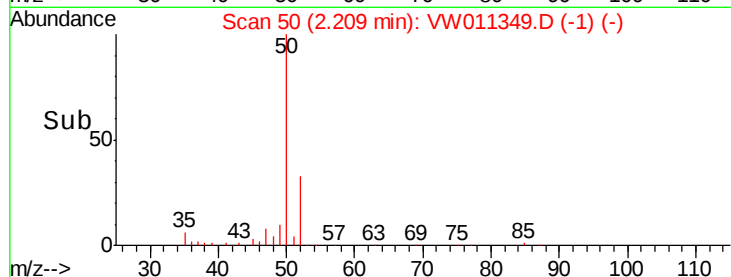
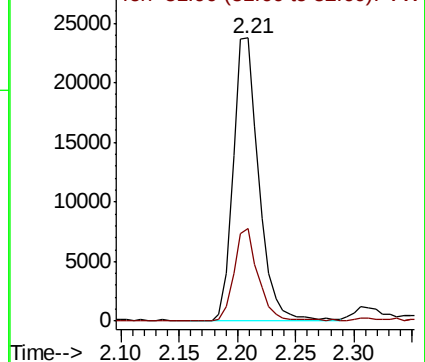
Ion Ratio Lower Upper

50 100

52 32.6 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VW
Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 18.187 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW011349.D

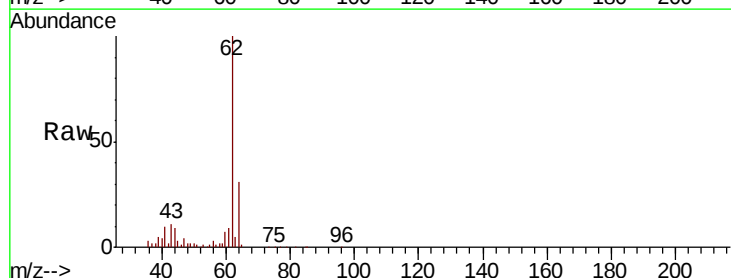
Acq: 18 Jul 2019 23:22

Tgt Ion: 62 Resp: 41188

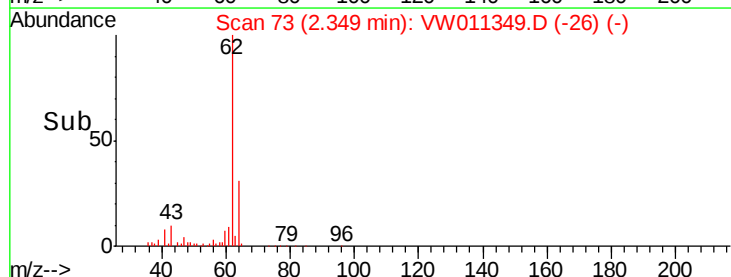
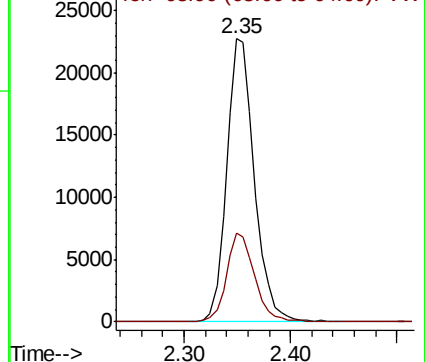
Ion Ratio Lower Upper

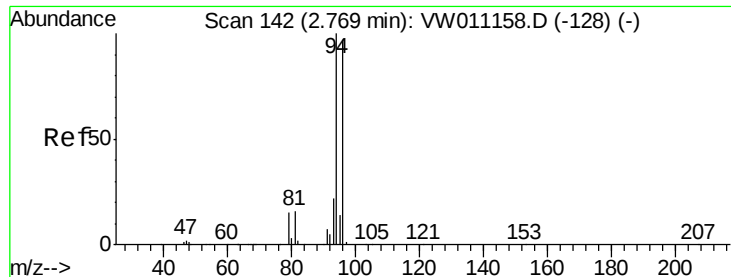
62 100

64 31.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.562 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

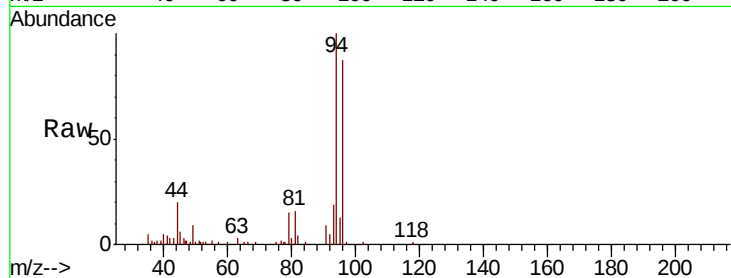
ClientSampleId :

Tot Ion: 94 Resp: 21123

Ion Ratio Lower Upper

94 100

96 86.7 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.75

8000

6000

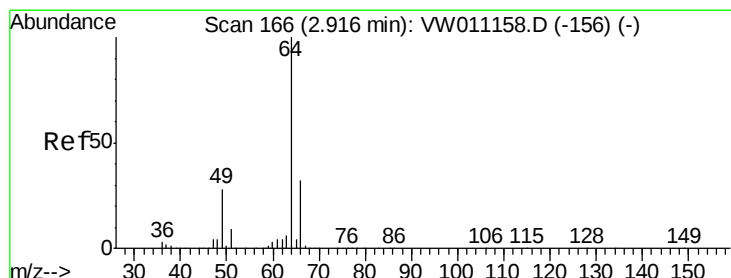
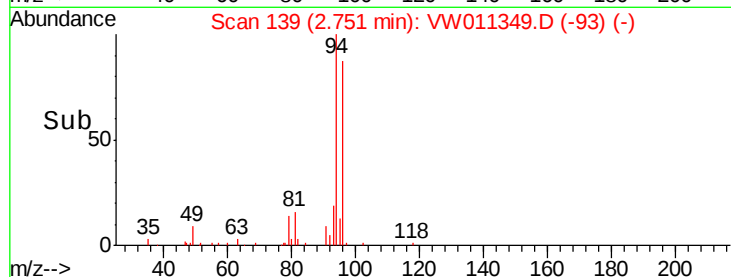
4000

2000

0

Time-->

2.60 2.70 2.80 2.90



#6

Chloroethane

Concen: 18.157 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW011349.D

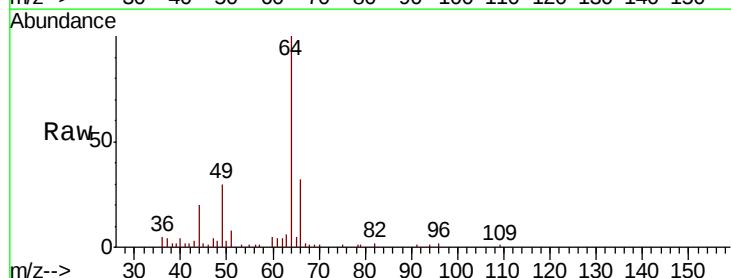
Acq: 18 Jul 2019 23:22

Tgt Ion: 64 Resp: 22148

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.90

8000

6000

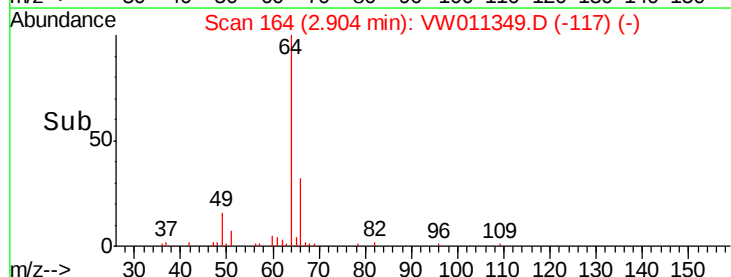
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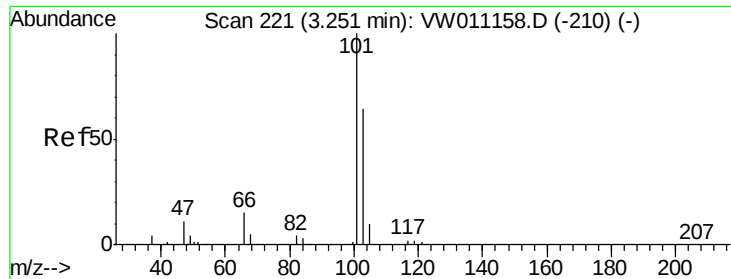
2000

0

Time-->

2.80 2.90 3.00 3.10



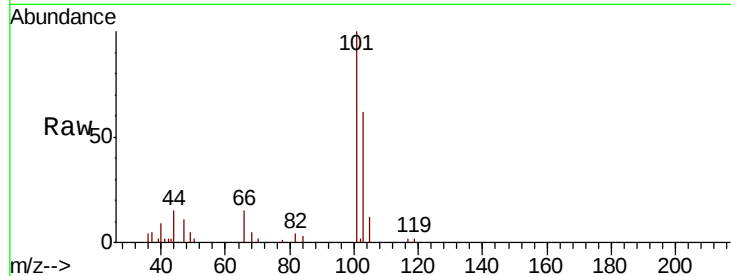


#7

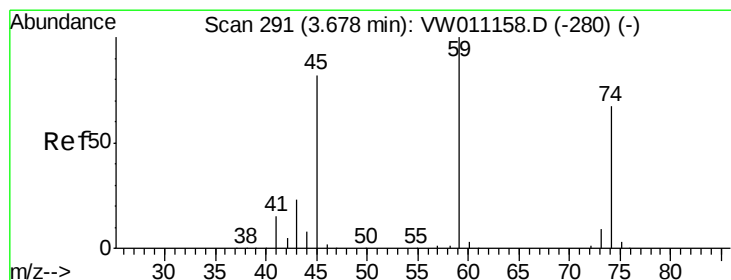
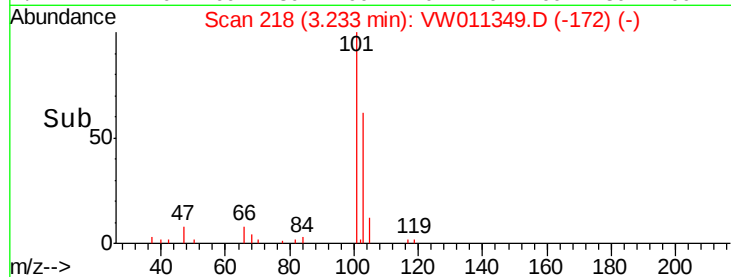
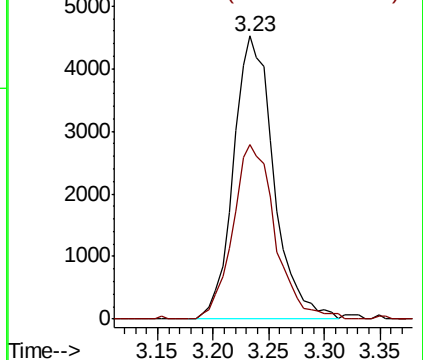
Trichlorofluoromethane
Concen: 14.072 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 11321
Ion Ratio Lower Upper
101 100
103 61.5 51.3 76.9



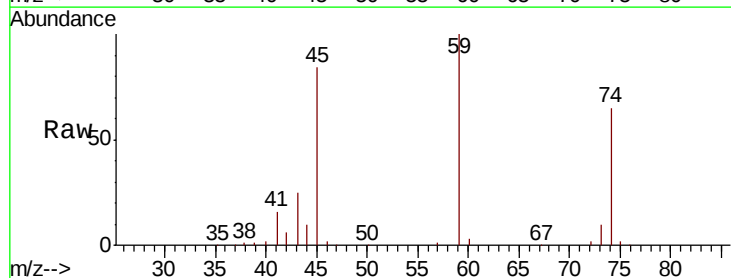
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



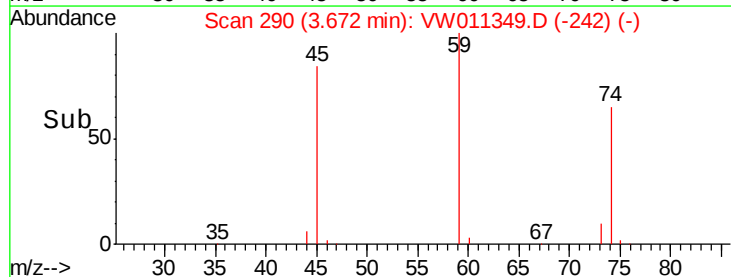
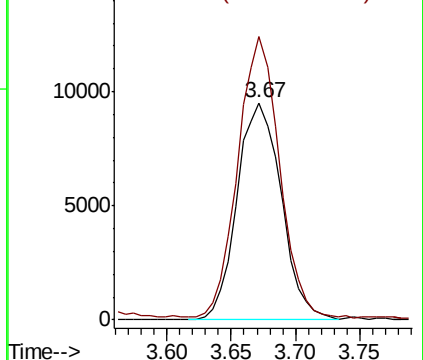
#8

Diethyl Ether
Concen: 20.335 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 74 Resp: 22636
Ion Ratio Lower Upper
74 100
45 121.8 59.9 179.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.118 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampled :

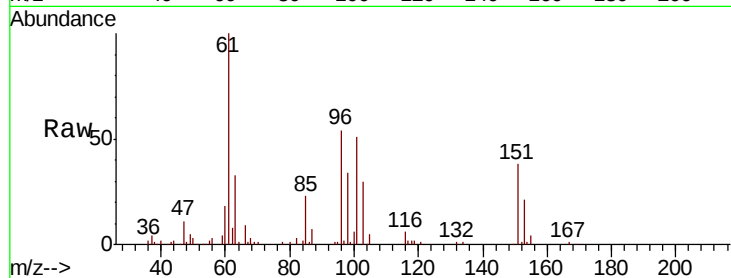
Tot Ion:101 Resp: 34915

Ion Ratio Lower Upper

101 100

85 45.2 36.5 54.7

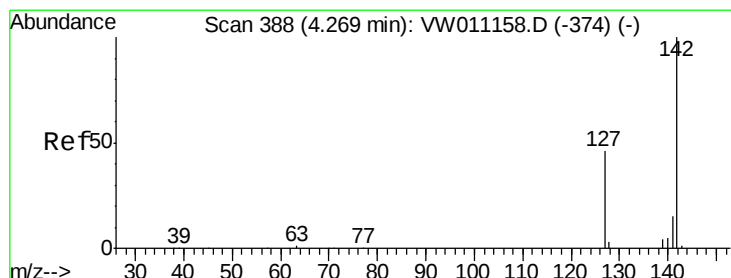
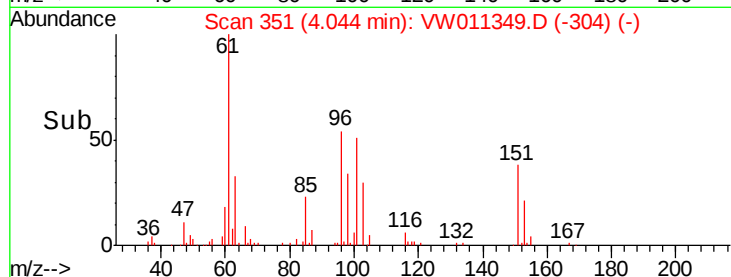
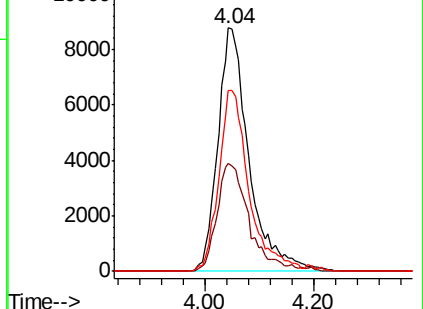
151 71.8 59.1 88.7



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: 18.927 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

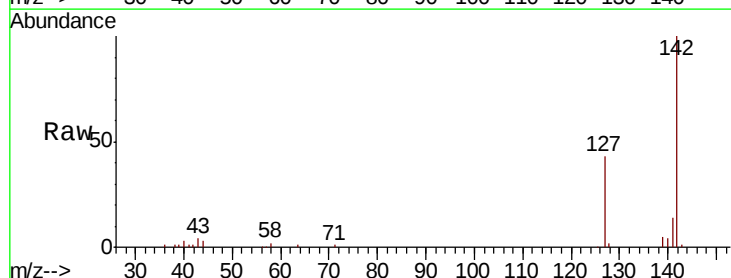
Tgt Ion:142 Resp: 50166

Ion Ratio Lower Upper

142 100

127 44.1 35.7 53.5

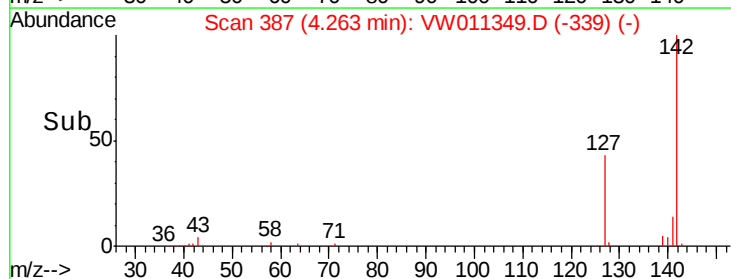
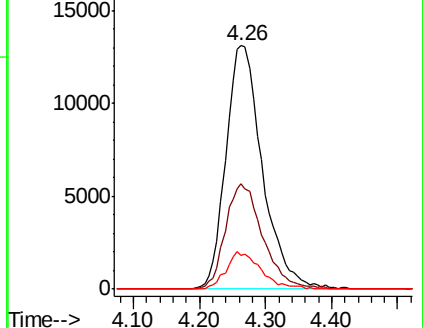
141 14.6 11.5 17.3

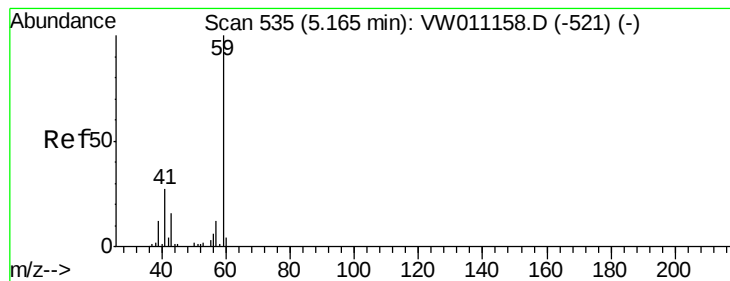


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



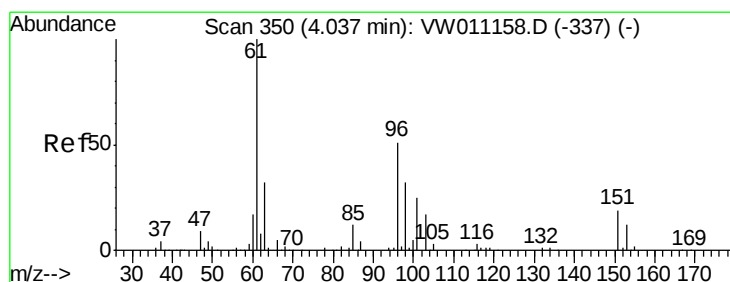
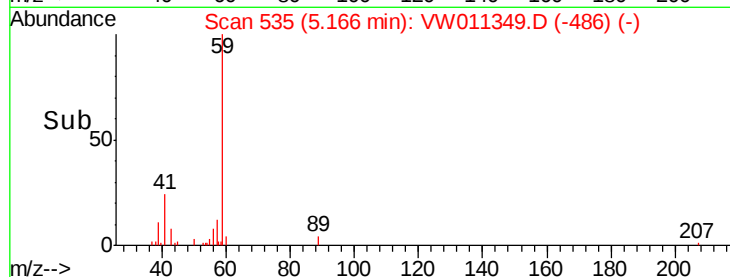
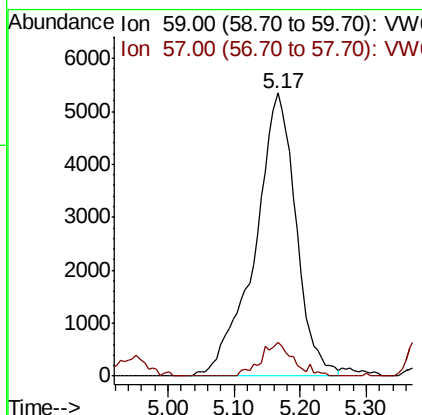
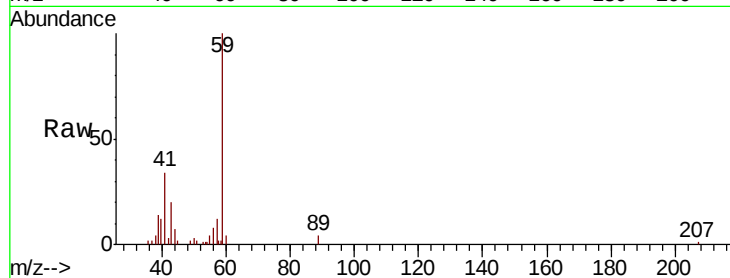


#11

Tert butyl alcohol
 Concen: 138.171 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampled :

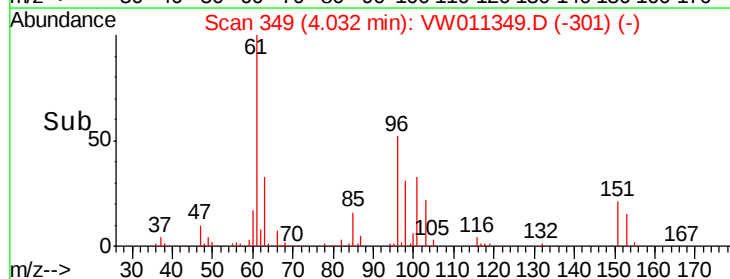
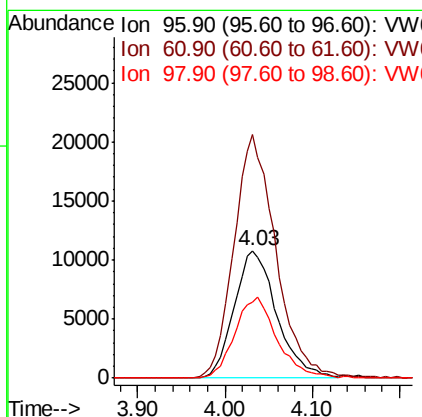
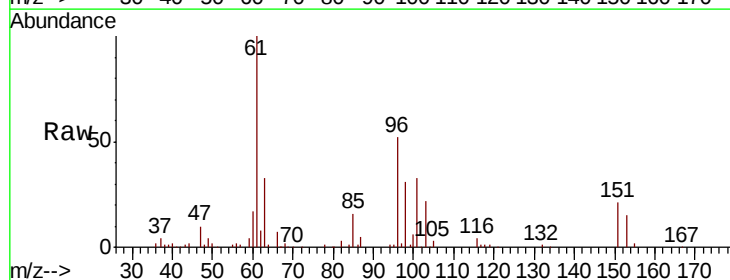
Tot Ion: 59 Resp: 23143
 Ion Ratio Lower Upper
 59 100
 57 8.6 9.0 13.6#

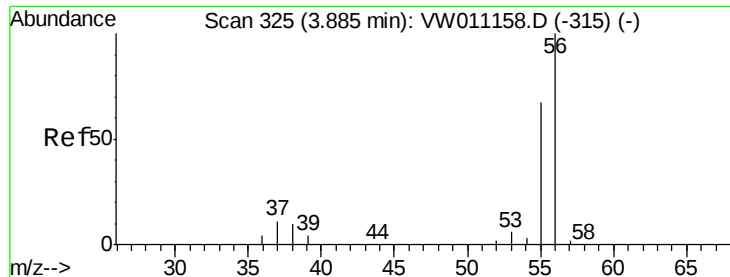


#12

1,1-Dichloroethene
 Concen: 18.225 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion: 96 Resp: 36453
 Ion Ratio Lower Upper
 96 100
 61 191.0 157.7 236.5
 98 59.6 50.9 76.3





#13

Acrolein

Concen: 82.864 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

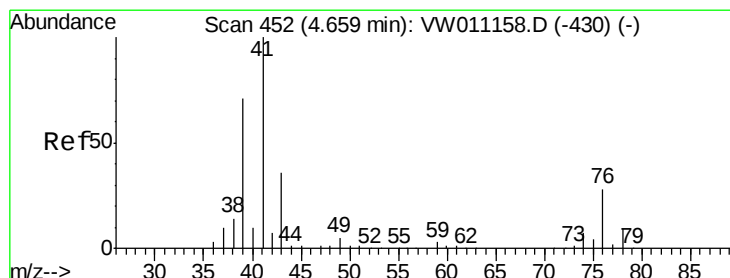
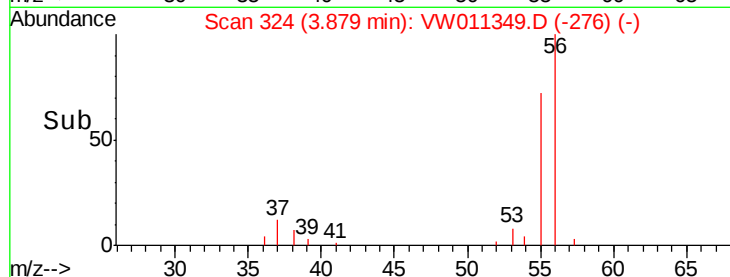
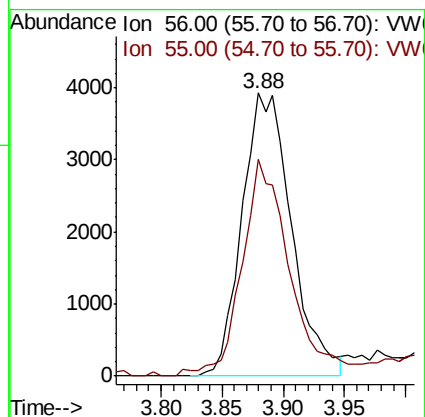
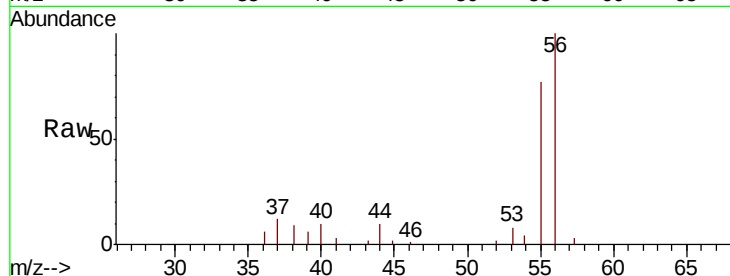
ClientSampleId :

Tot Ion: 56 Resp: 11052

Ion Ratio Lower Upper

56 100

55 73.9 56.4 84.6



#14

Allyl chloride

Concen: 17.449 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

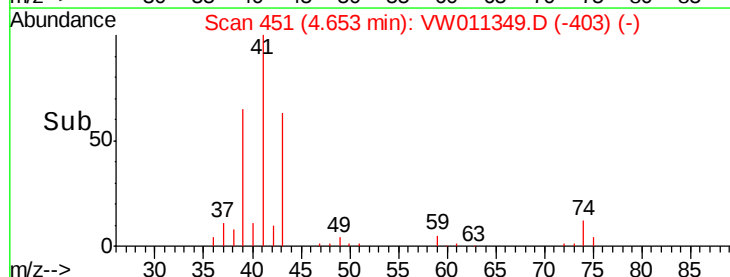
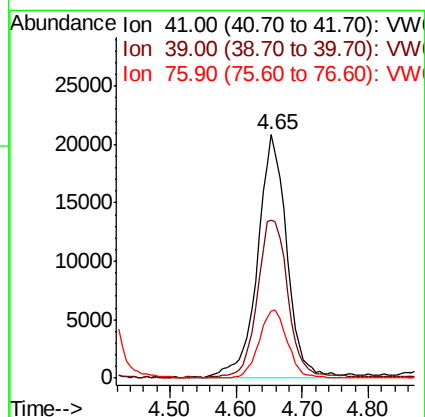
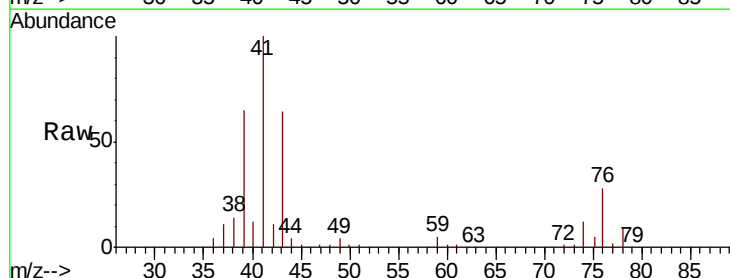
Tgt Ion: 41 Resp: 63643

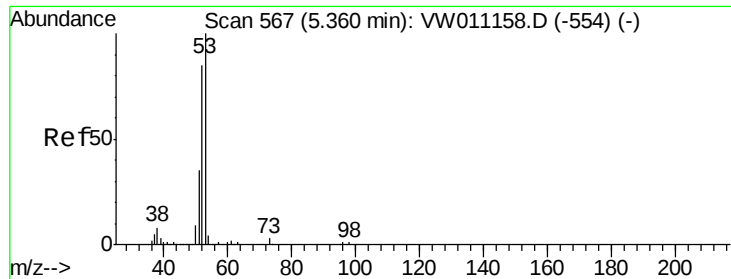
Ion Ratio Lower Upper

41 100

39 69.5 55.1 82.7

76 27.4 22.5 33.7





#15

Acrylonitrile

Concen: 109.382 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampled :

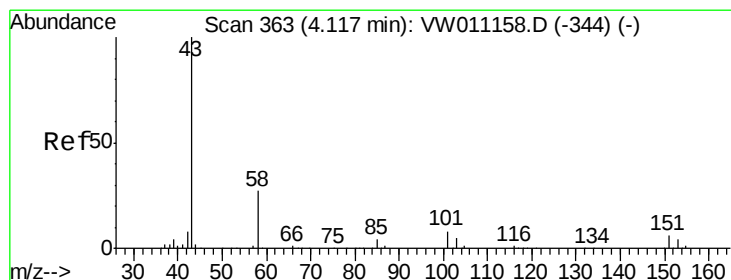
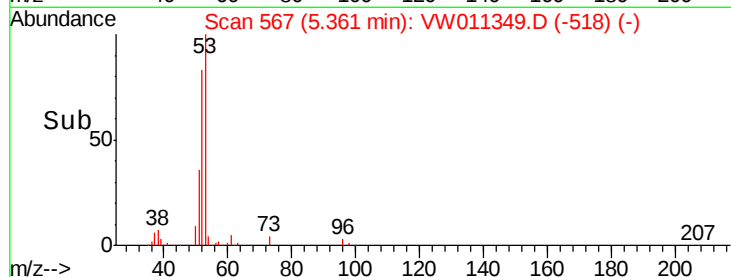
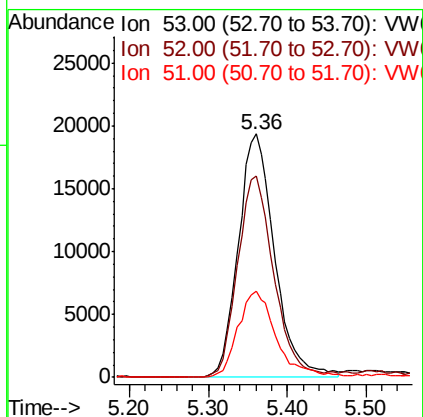
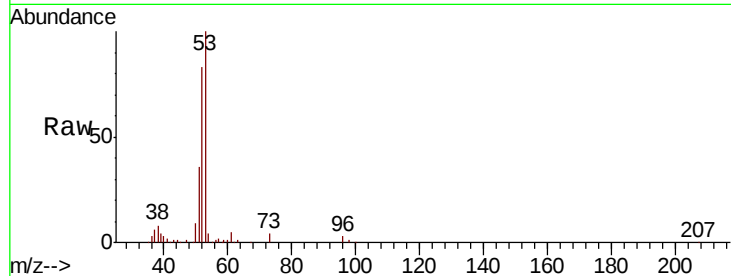
Tot Ion: 53 Resp: 62012

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.4

51 37.3 29.1 43.7



#16

Acetone

Concen: 111.725 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011349.D

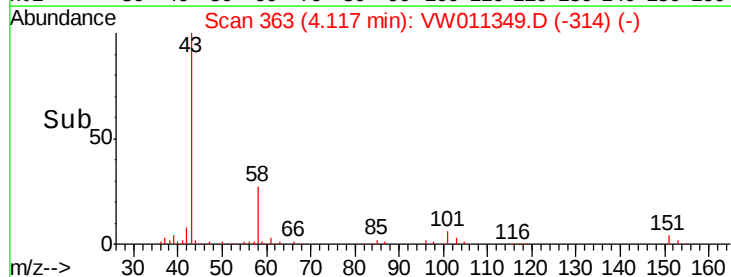
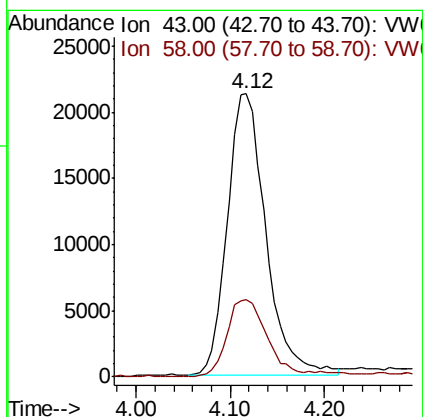
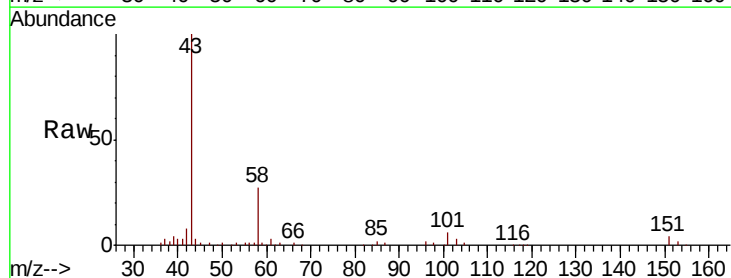
Acq: 18 Jul 2019 23:22

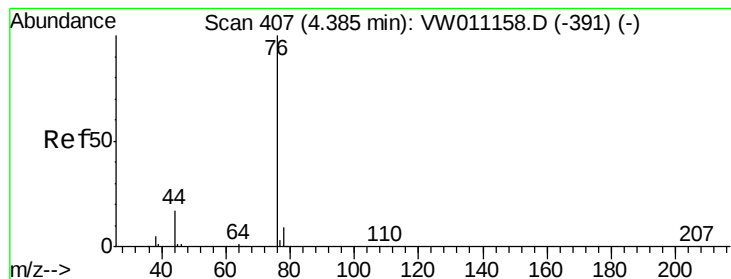
Tgt Ion: 43 Resp: 60817

Ion Ratio Lower Upper

43 100

58 27.5 21.8 32.6





#17

Carbon Disulfide

Concen: 16.425 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

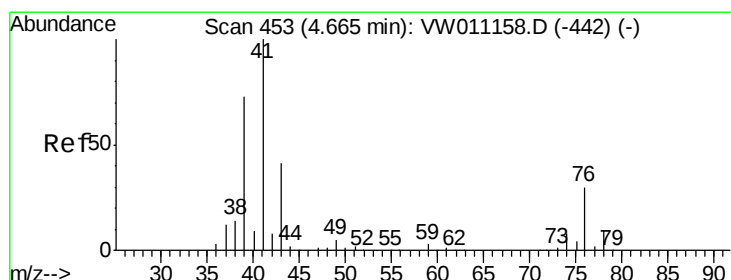
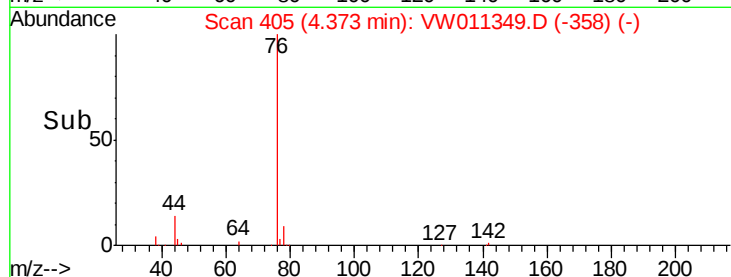
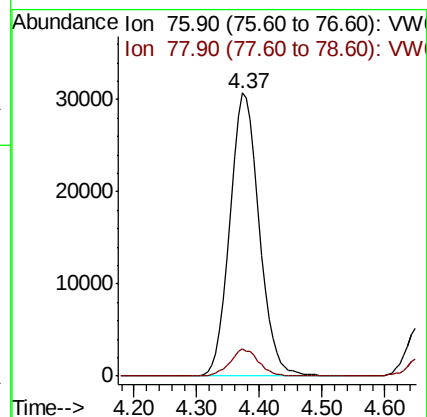
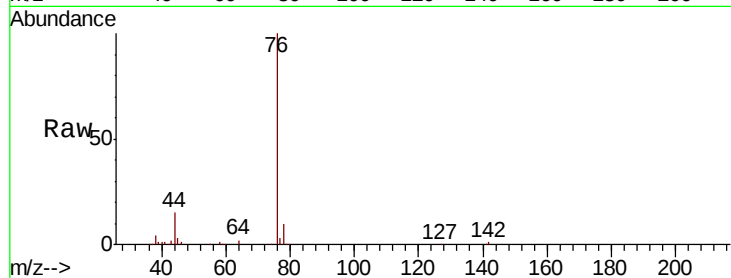
ClientSampleId :

Tot Ion: 76 Resp: 99594

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#18

Methyl Acetate

Concen: 28.491 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011349.D

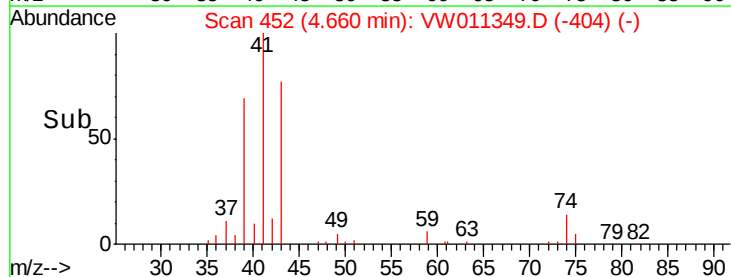
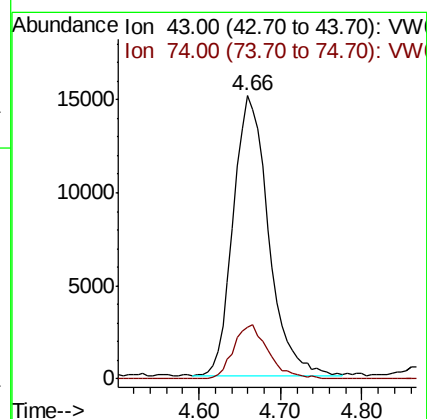
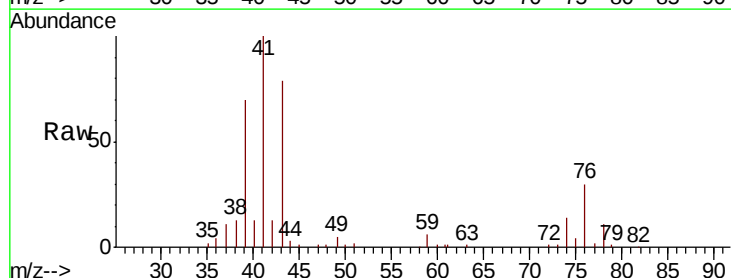
Acq: 18 Jul 2019 23:22

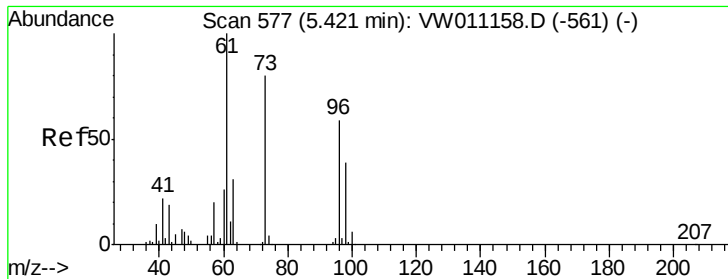
Tgt Ion: 43 Resp: 45044

Ion Ratio Lower Upper

43 100

74 19.0 15.7 23.5

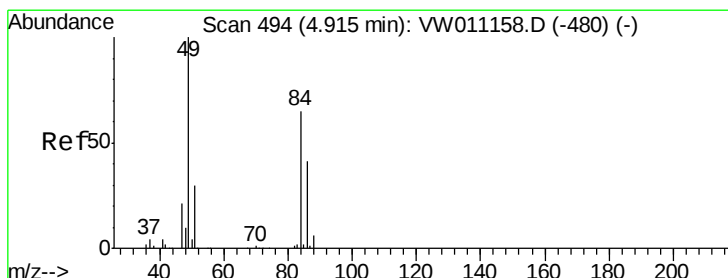
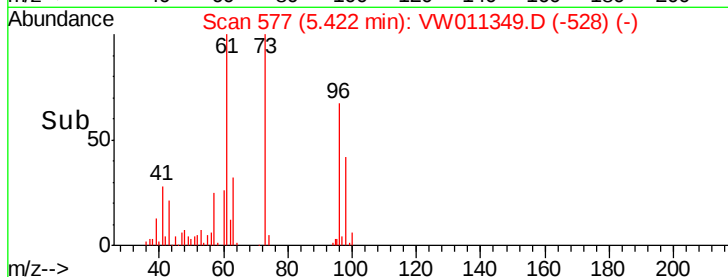
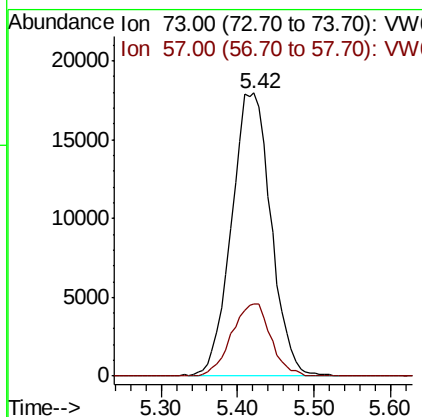
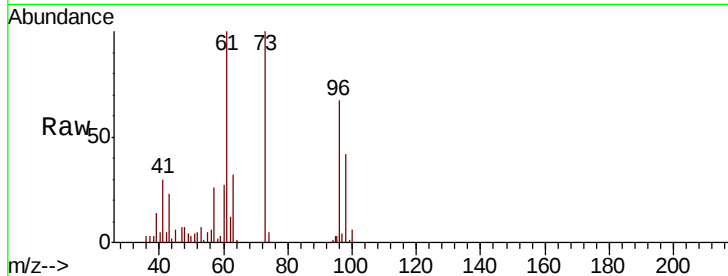




#19
Methyl tert-butyl Ether
Concen: 21.169 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

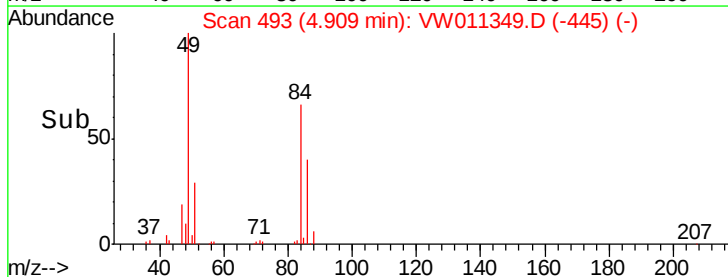
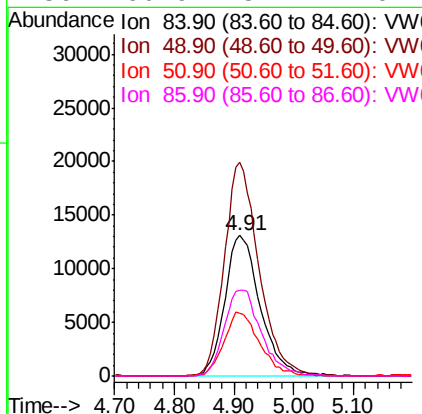
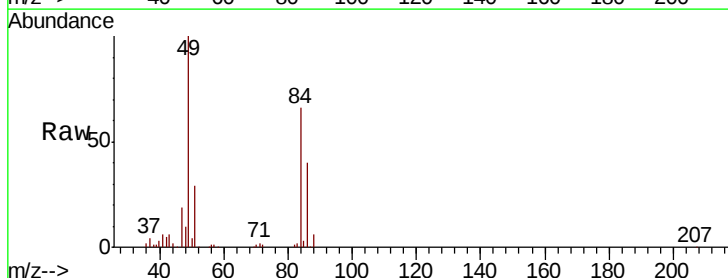
Instrument :
MSVOA_W
ClientSampled :

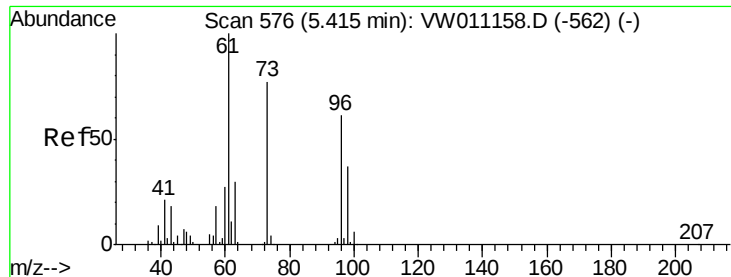
Tot Ion: 73 Resp: 64244
Ion Ratio Lower Upper
73 100
57 25.7 19.7 29.5



#20
Methylene Chloride
Concen: 25.154 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 84 Resp: 54015
Ion Ratio Lower Upper
84 100
49 151.7 123.8 185.6
51 44.1 37.4 56.2
86 60.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.602 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampled :

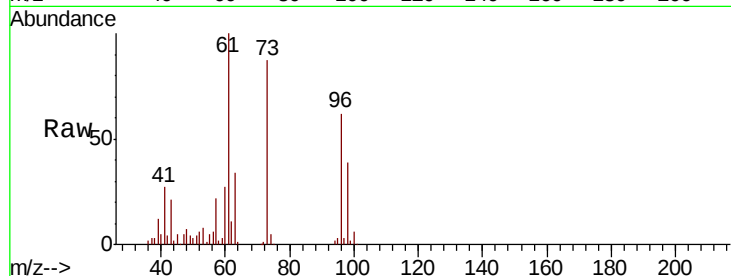
Tot Ion: 96 Resp: 40739

Ion Ratio Lower Upper

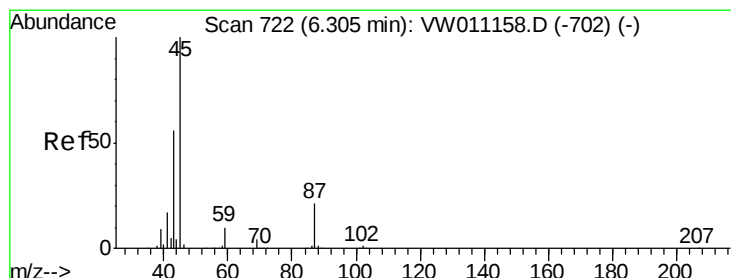
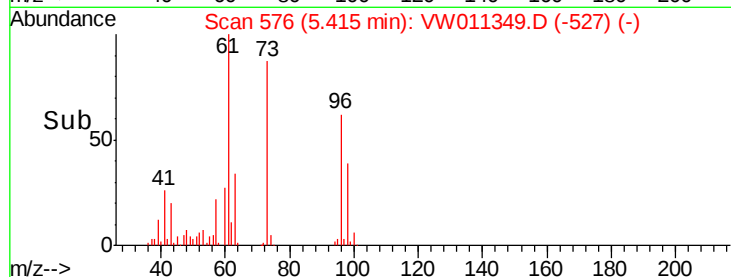
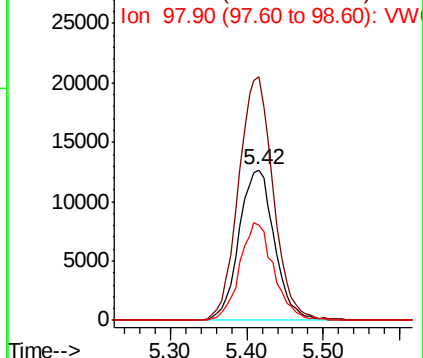
96 100

61 161.9 132.2 198.2

98 63.0 49.4 74.0



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: 20.687 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion: 45 Resp: 162280

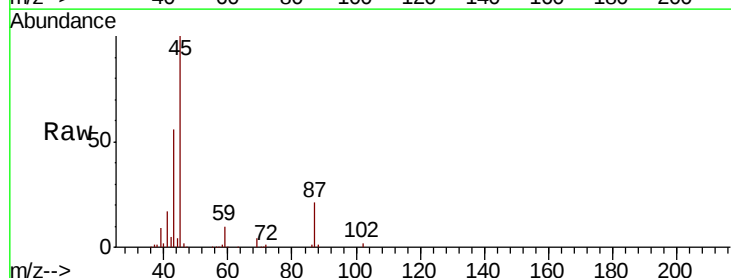
Ion Ratio Lower Upper

45 100

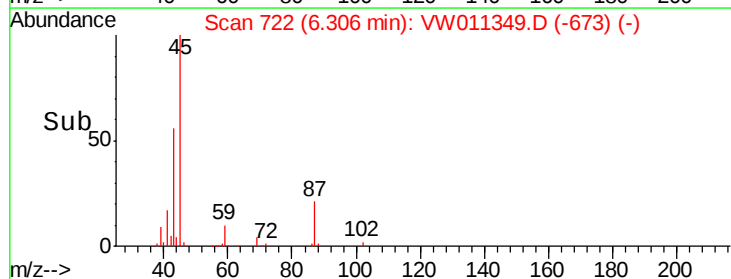
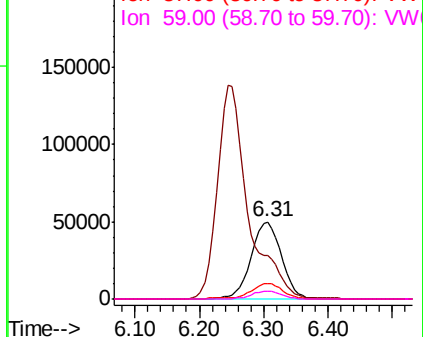
43 55.9 44.6 66.8

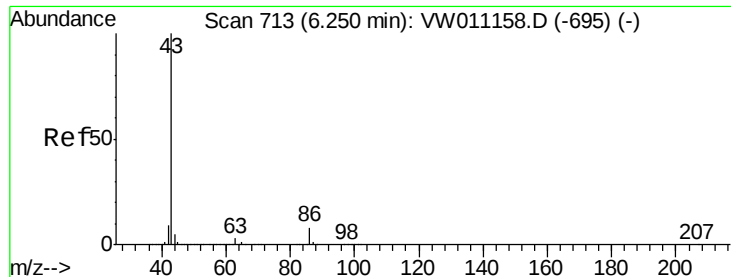
87 20.4 17.3 25.9

59 10.3 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: 96.229 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

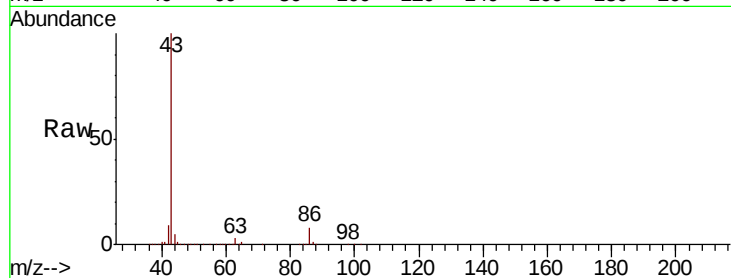
ClientSampleId :

Tot Ion: 43 Resp: 467175

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

150000

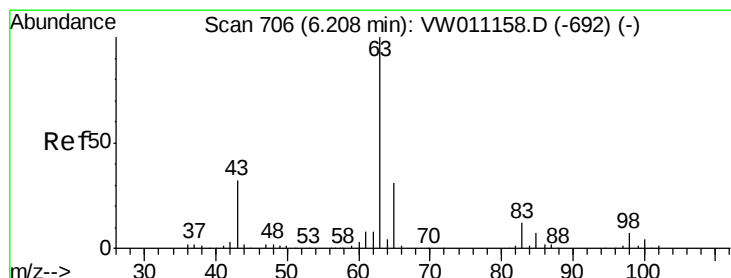
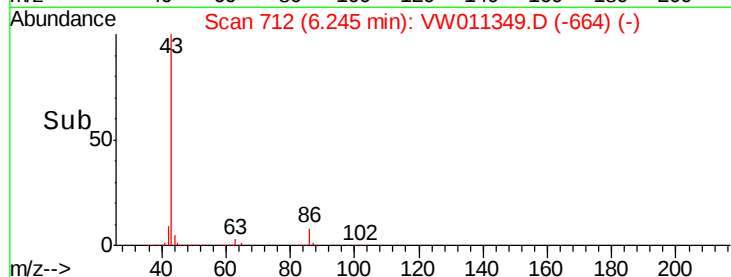
100000

50000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.016 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

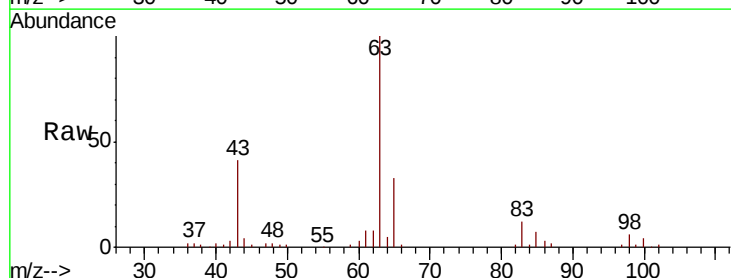
Tgt Ion: 63 Resp: 82453

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 3.8 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

30000

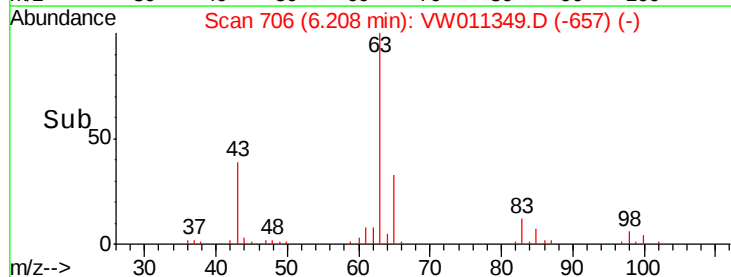
20000

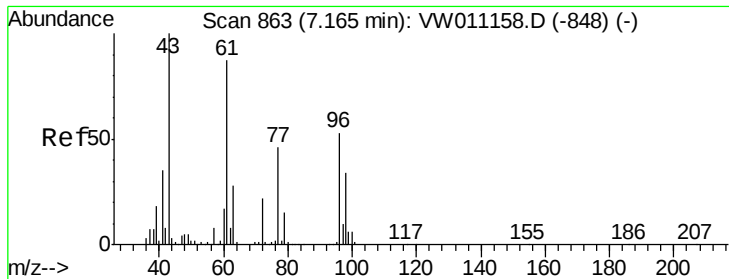
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 117.249 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

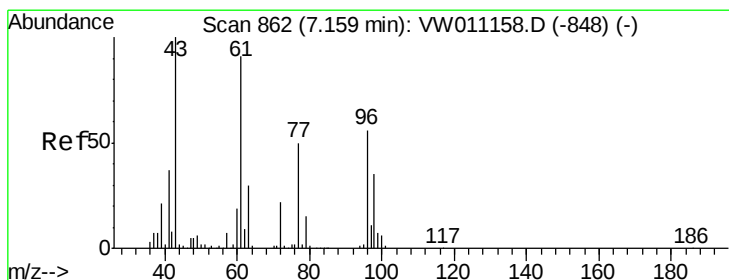
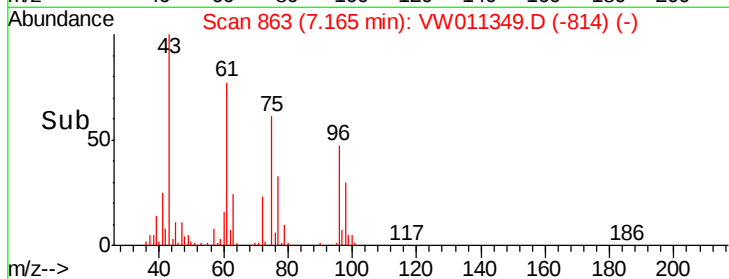
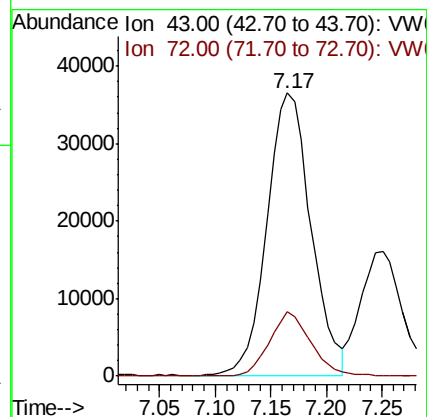
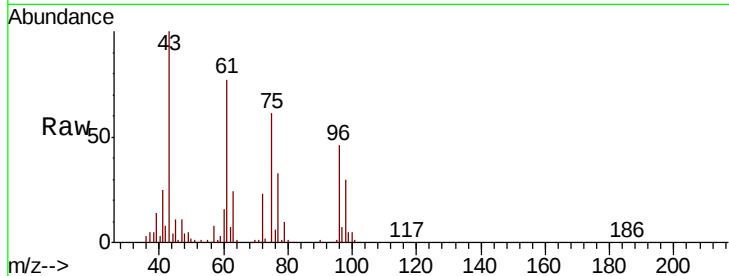
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 100186

Ion Ratio Lower Upper

43 100

72 23.0 17.6 26.4



#26

2,2-Dichloropropane

Concen: 18.964 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011349.D

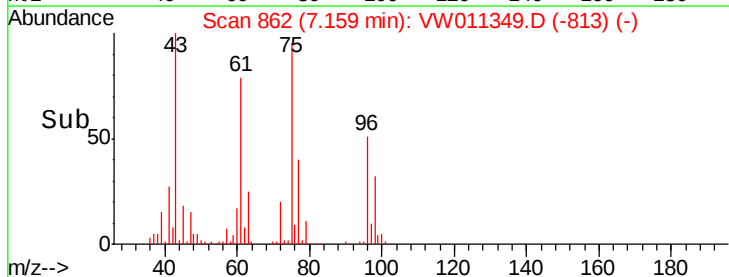
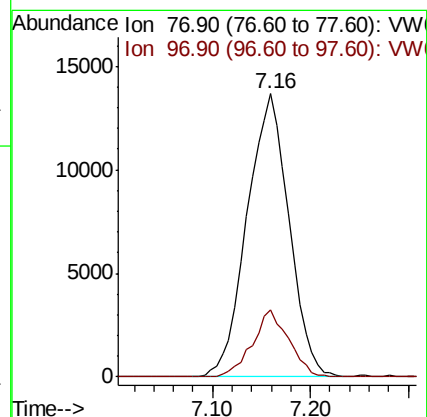
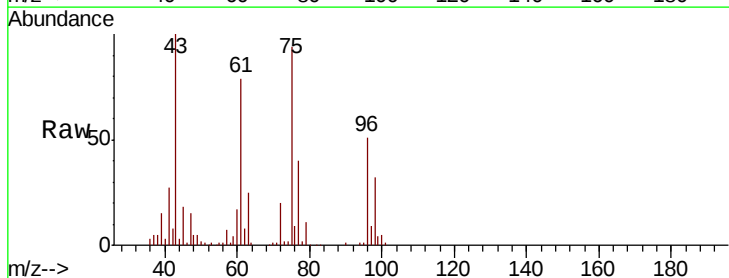
Acq: 18 Jul 2019 23:22

Tgt Ion: 77 Resp: 40607

Ion Ratio Lower Upper

77 100

97 20.3 11.2 33.5



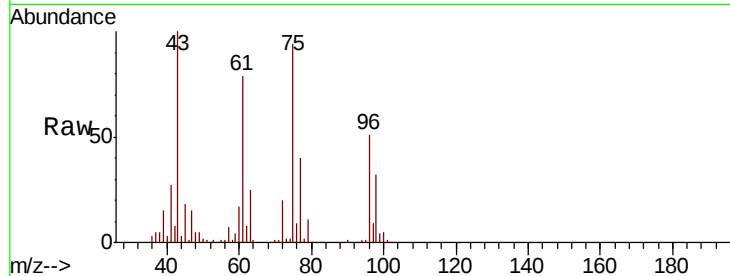


#27

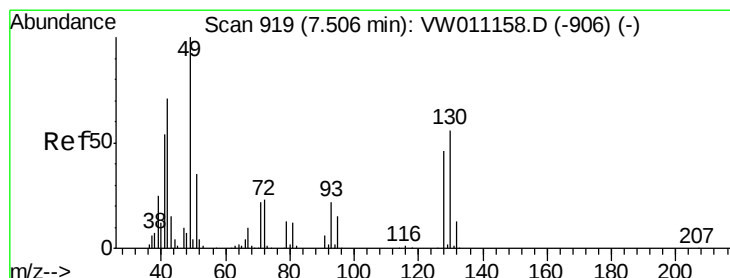
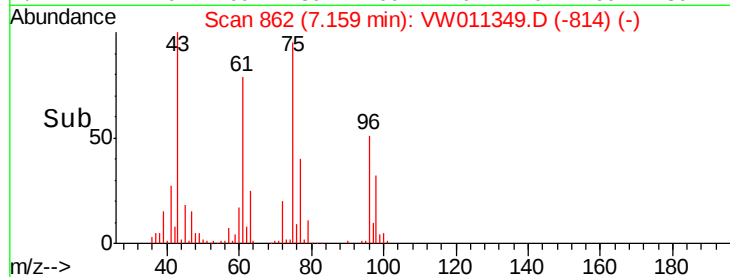
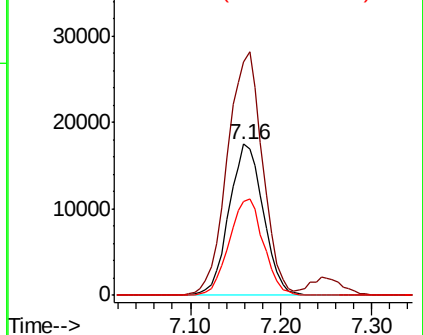
cis-1,2-Dichloroethene
Concen: 20.434 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp	45811
Ion Ratio	Lower	Upper	
96	100		
61	165.7	0.0	325.6
98	64.0	0.0	128.2



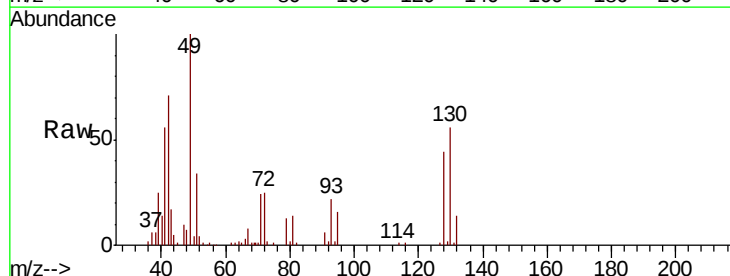
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



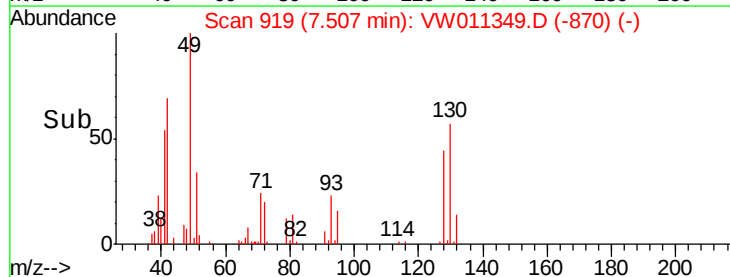
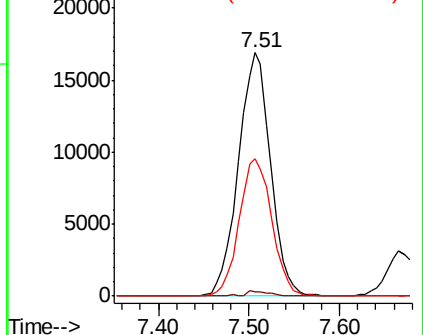
#28

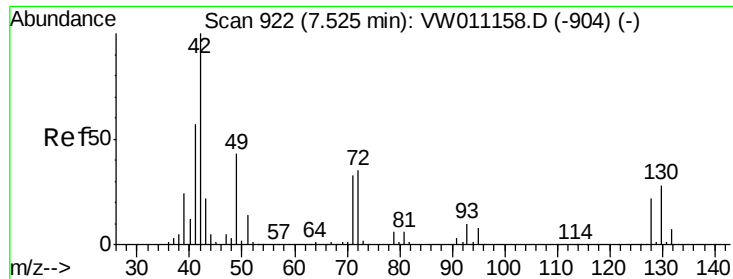
Bromochloromethane
Concen: 22.119 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	49	Resp	41431
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	1.4
130	57.1	45.8	68.8



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

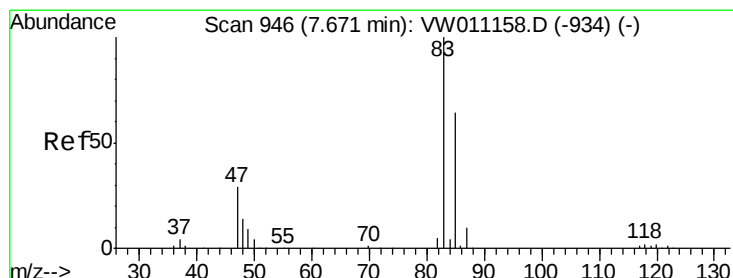
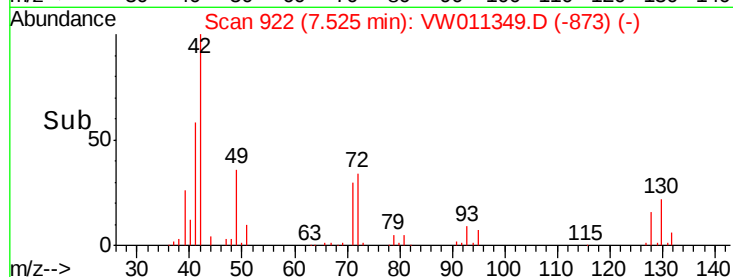
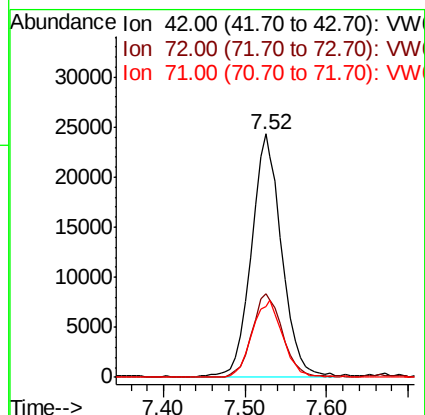
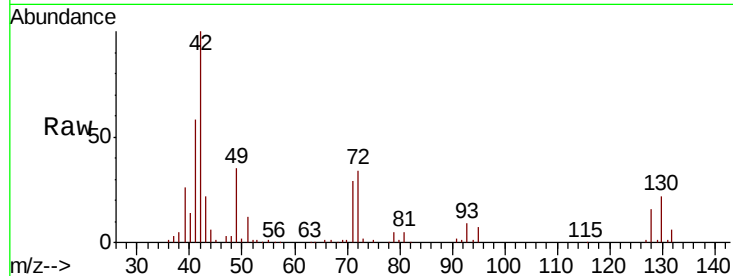




#29
Tetrahydrofuran
Concen: 112.885 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

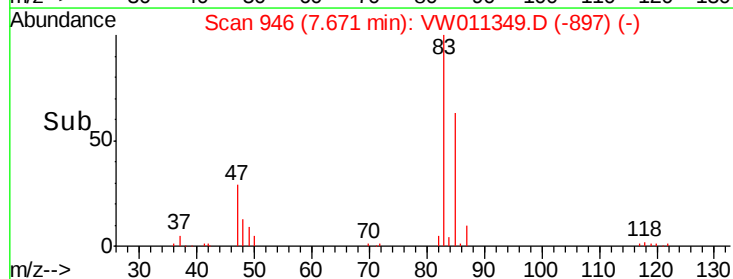
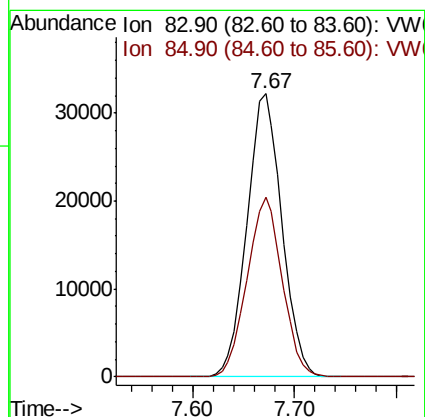
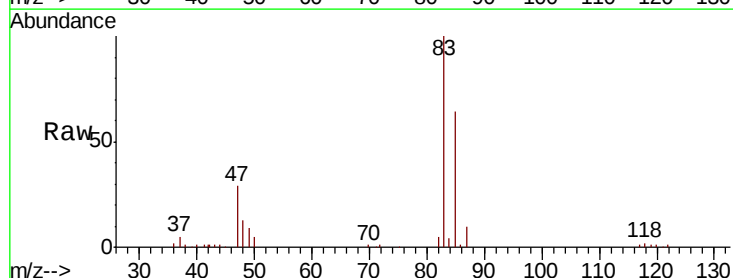
Instrument :
MSVOA_W
ClientSampled :

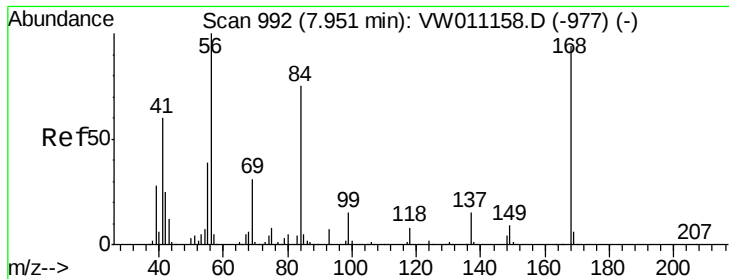
Tot Ion: 42 Resp: 63248
Ion Ratio Lower Upper
42 100
72 34.5 27.4 41.2
71 31.9 25.9 38.9



#30
Chloroform
Concen: 20.117 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 83 Resp: 76746
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.2

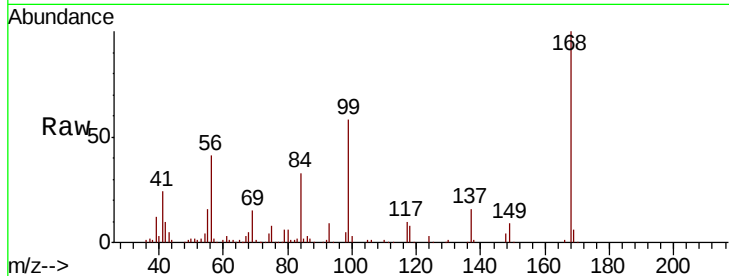




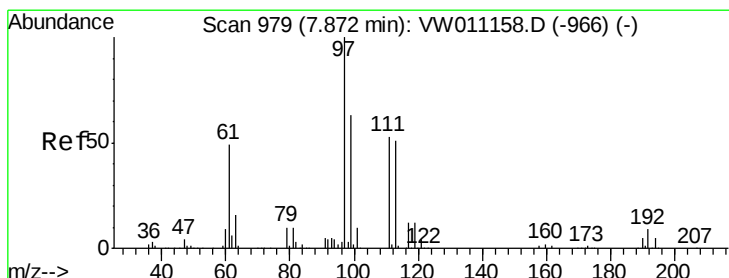
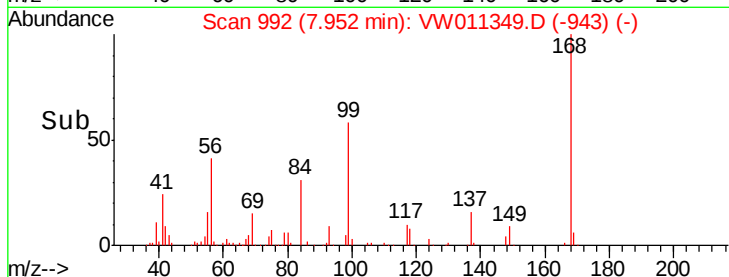
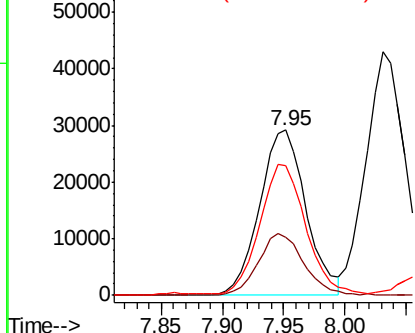
#31
Cvclohexane
Concen: 17.606 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 77157
Ion Ratio Lower Upper
56 100
69 35.1 24.6 36.8
84 77.2 60.1 90.1

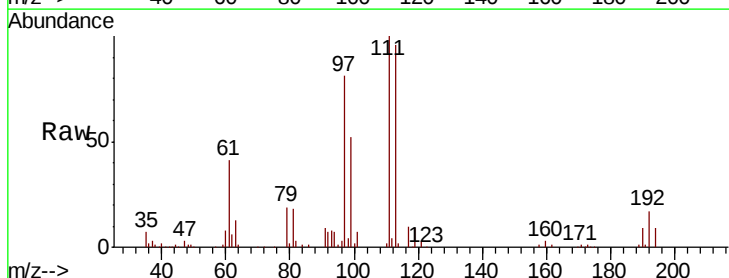


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

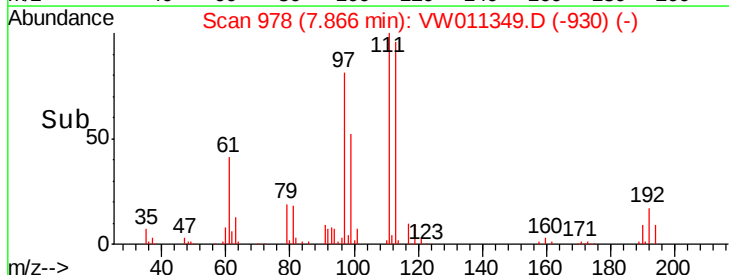
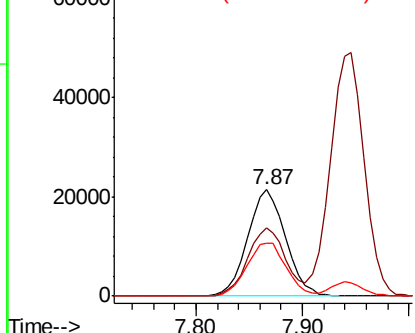


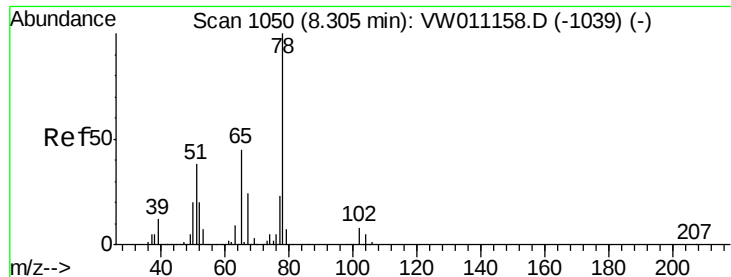
#32
1,1,1-Trichloroethane
Concen: 18.451 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 97 Resp: 53544
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 52.4 40.4 60.6



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

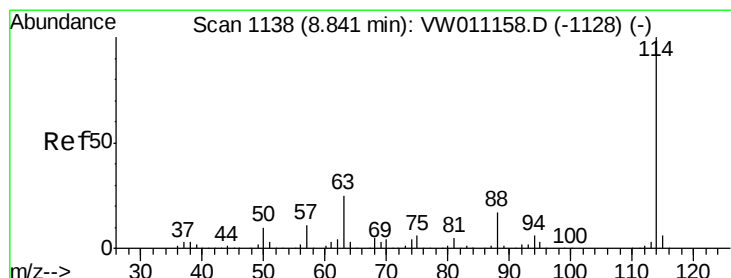
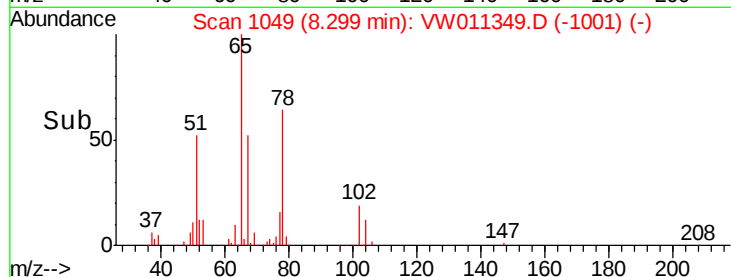
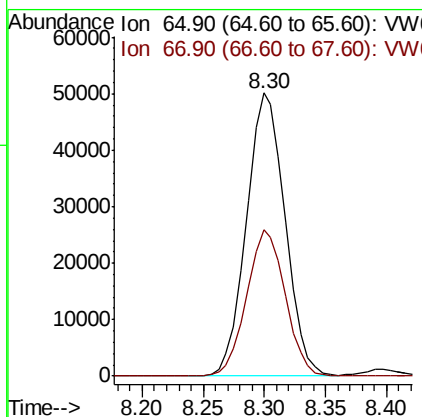
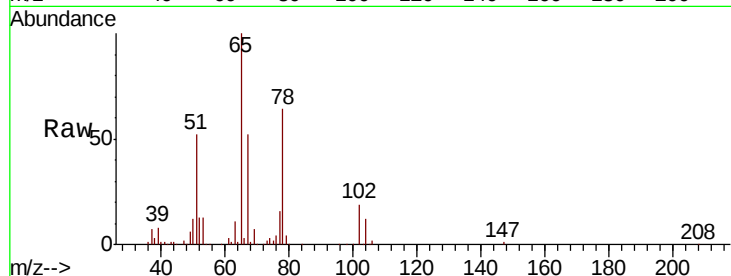




#33
 1,2-Dichloroethane-d4
 Concen: 48.687 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

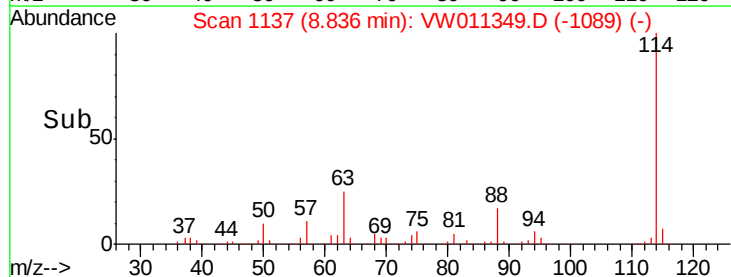
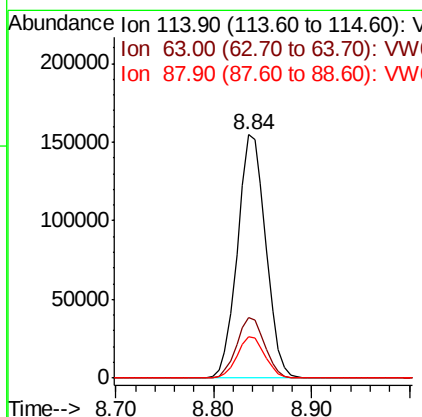
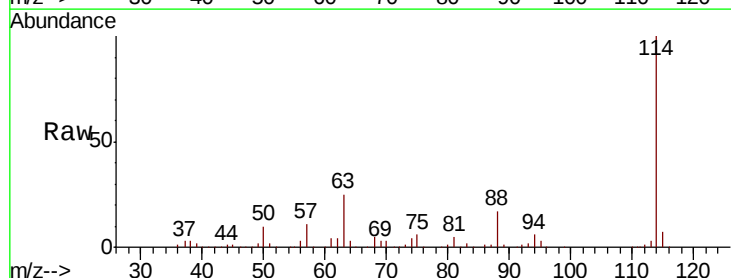
Instrument :
 MSVOA_W
 ClientSampled :

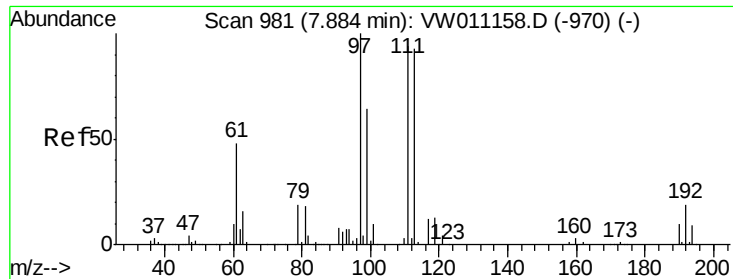
Tot Ion: 65 Resp: 110146
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion: 114 Resp: 310361
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 17.0 0.0 34.2

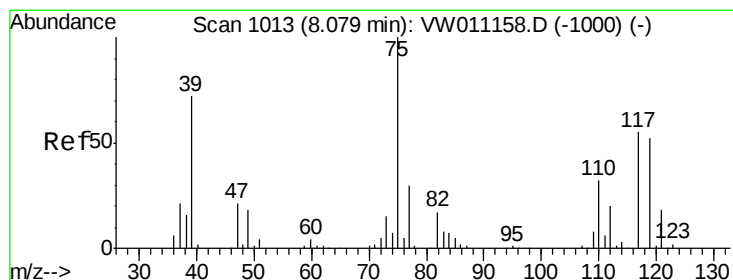
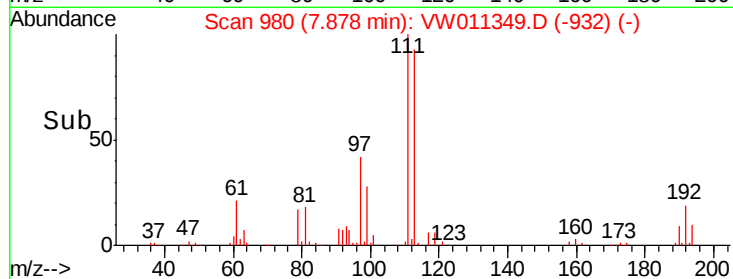
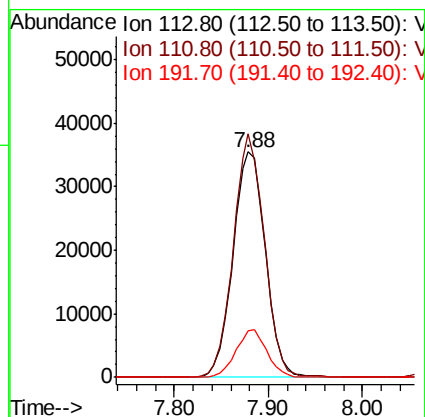
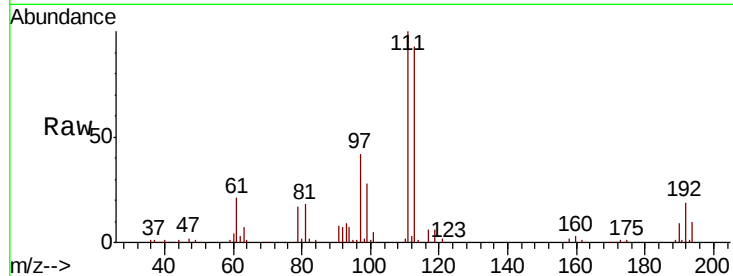




#35
 Dibromofluoromethane
 Concen: 45.954 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

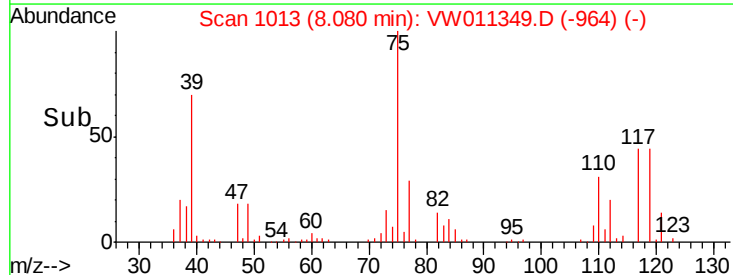
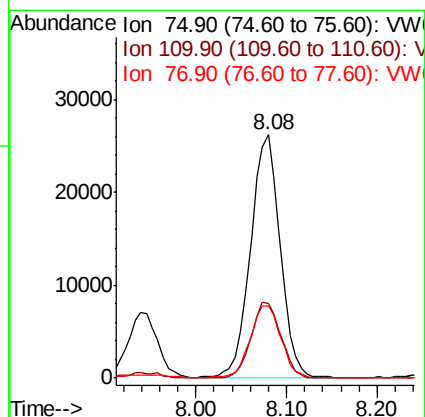
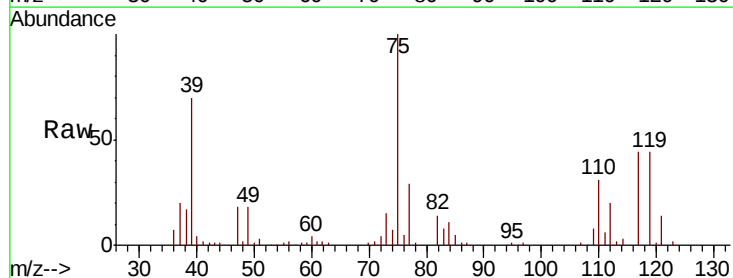
Instrument :
 MSVOA_W
 ClientSampled :

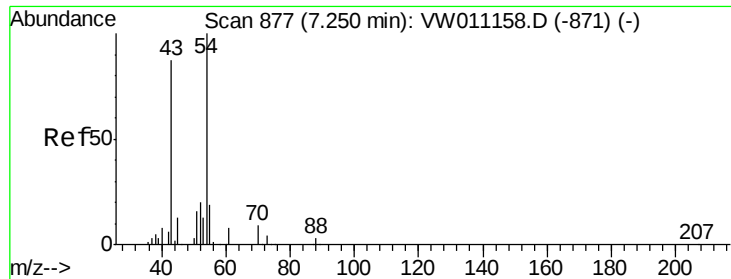
Tot Ion:113 Resp: 85009
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 17.865 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion: 75 Resp: 59044
 Ion Ratio Lower Upper
 75 100
 110 31.6 15.9 47.6
 77 31.1 24.6 36.8

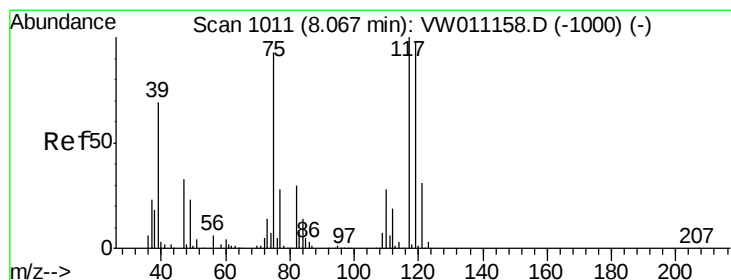
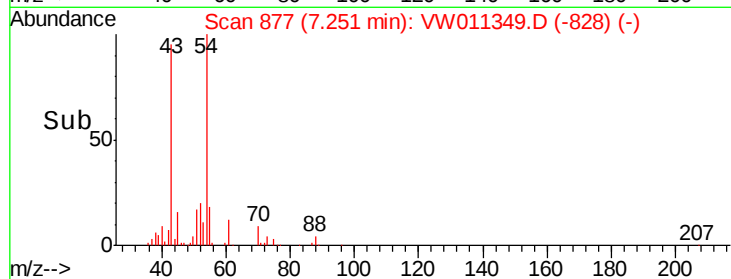
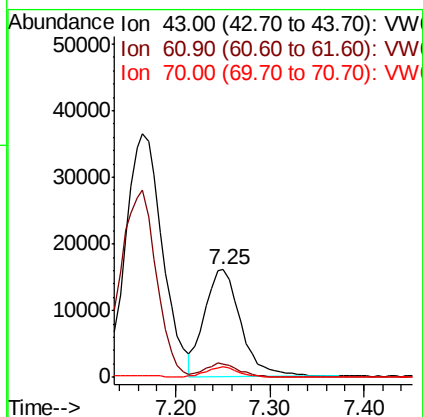
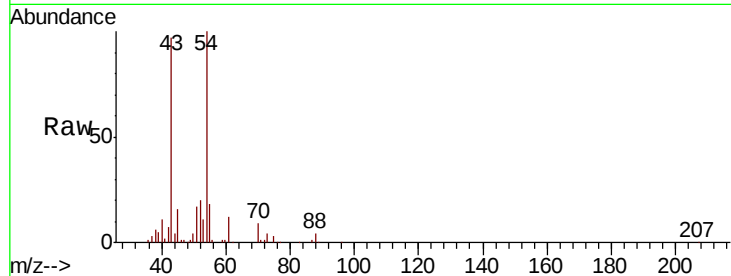




#37
Ethyl Acetate
Concen: 21.392 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

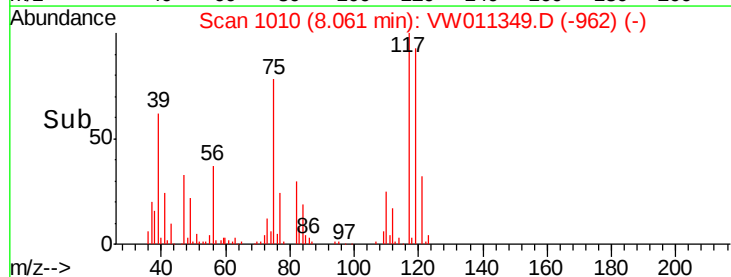
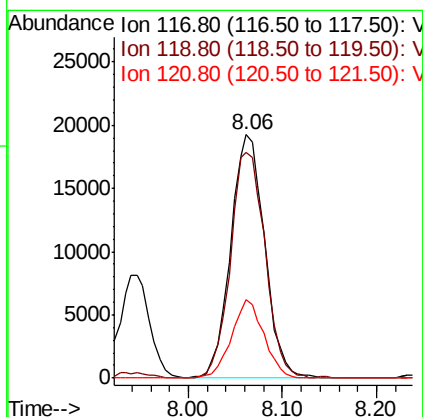
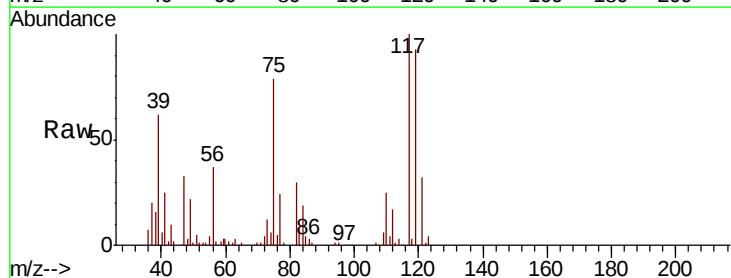
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 42480
Ion Ratio Lower Upper
43 100
61 12.8 9.5 14.3
70 9.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 17.224 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 117 Resp: 48258
Ion Ratio Lower Upper
117 100
119 92.9 78.1 117.1
121 32.5 25.1 37.7

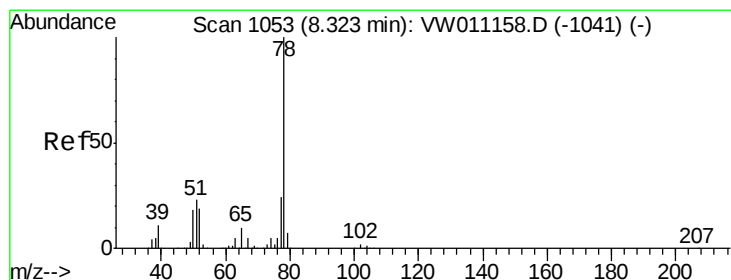
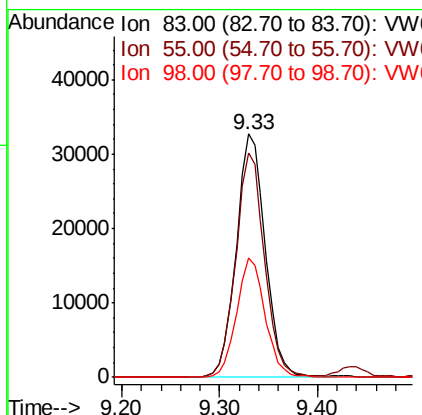
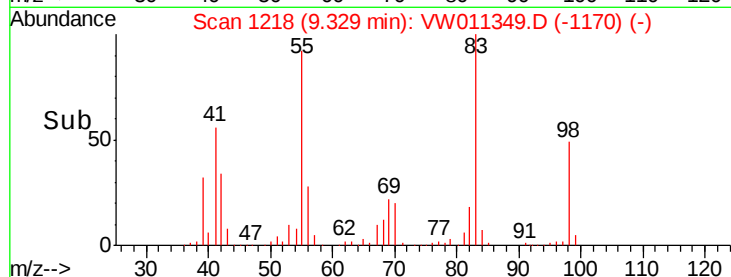
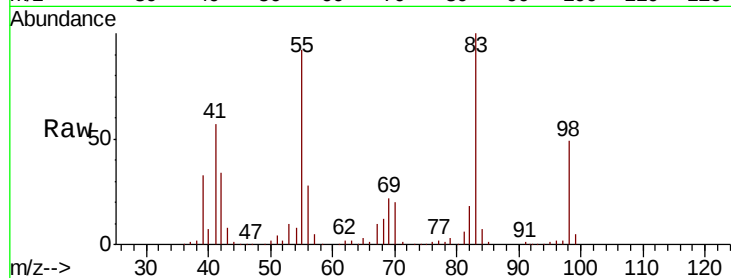




#39
Methvlcvclohexane
Concen: 16.833 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

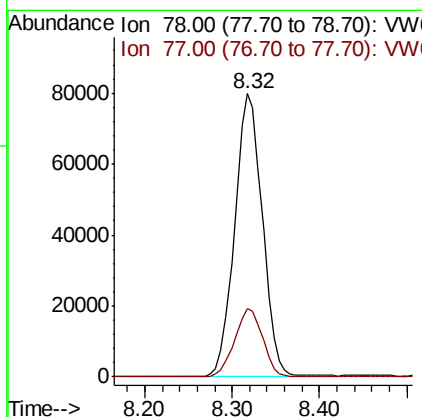
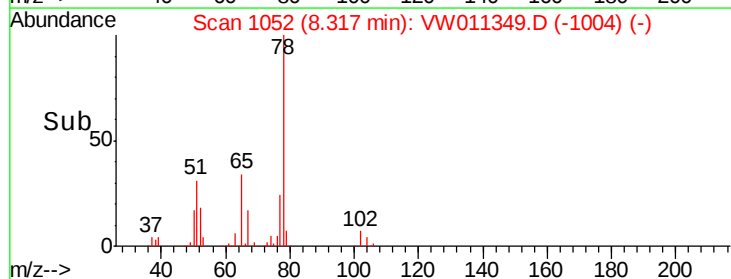
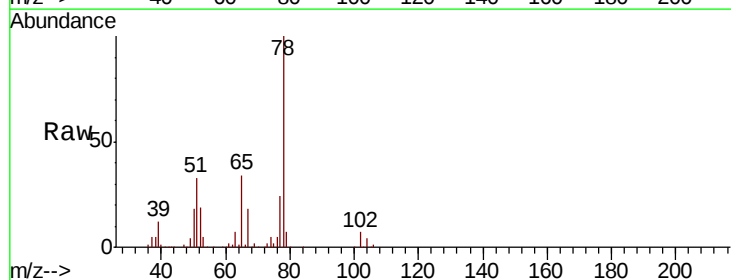
Instrument :
MSVOA_W
ClientSampled :

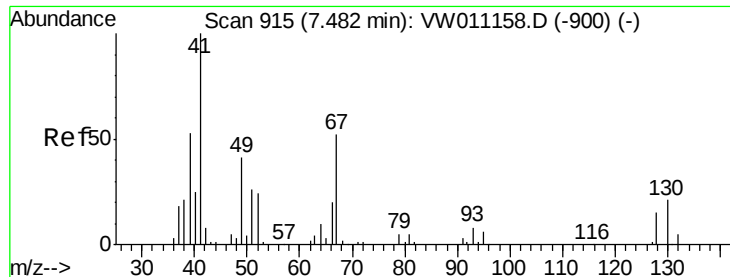
Tot Ion: 83 Resp: 67433
Ion Ratio Lower Upper
83 100
55 92.0 71.2 106.8
98 49.0 37.5 56.3



#40
Benzene
Concen: 19.319 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 78 Resp: 176455
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6





#41

Methacrylonitrile

Concen: 20.001 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 22716

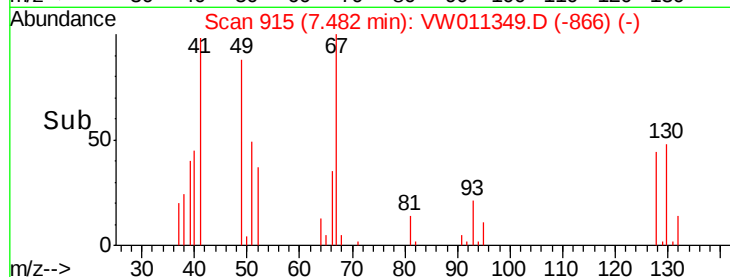
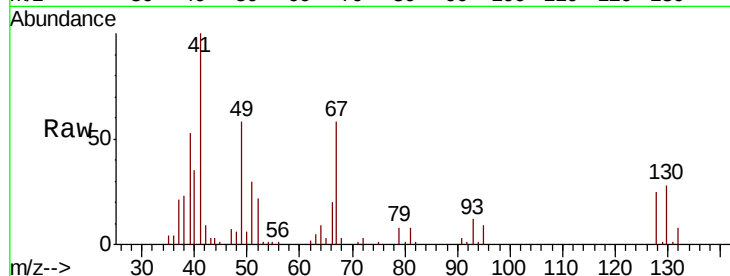
Ion Ratio Lower Upper

41 100

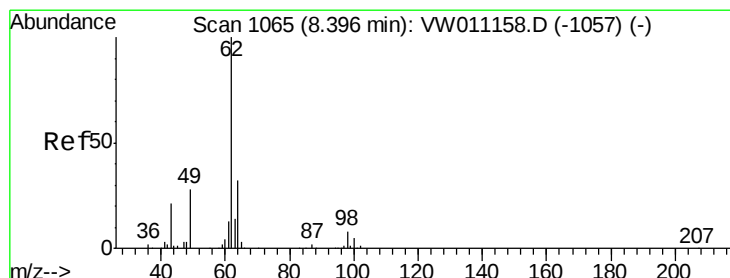
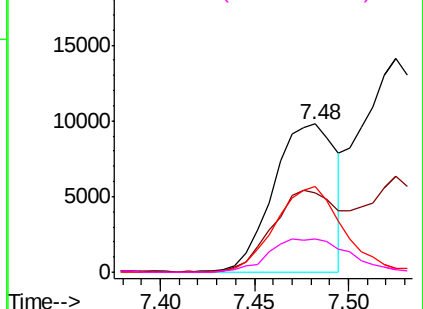
39 61.3 48.0 72.0

67 62.5 49.7 74.5

52 28.7 23.4 35.0



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.819 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011349.D

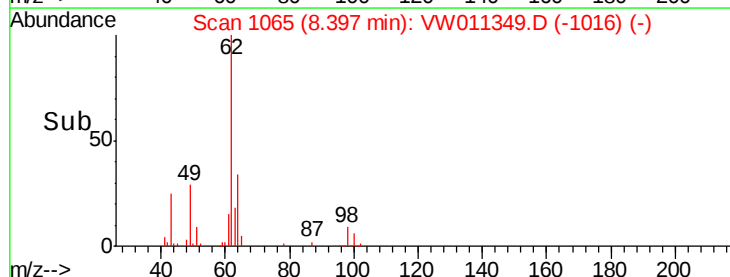
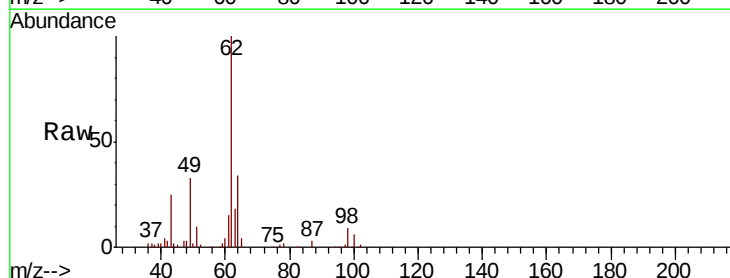
Acq: 18 Jul 2019 23:22

Tgt Ion: 62 Resp: 58724

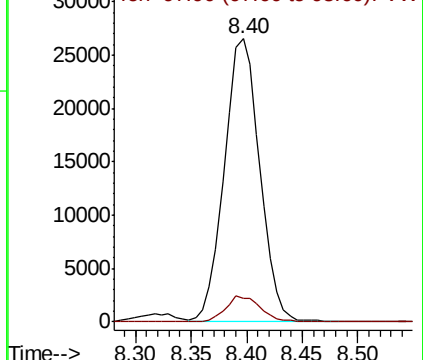
Ion Ratio Lower Upper

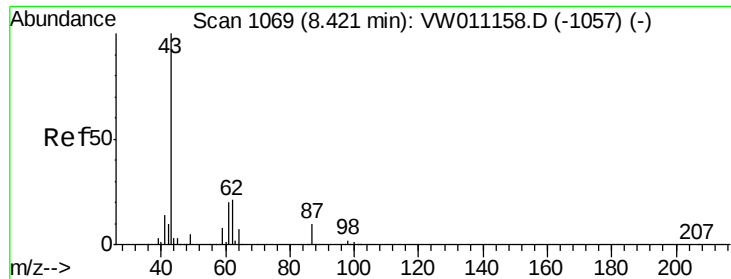
62 100

98 8.9 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW

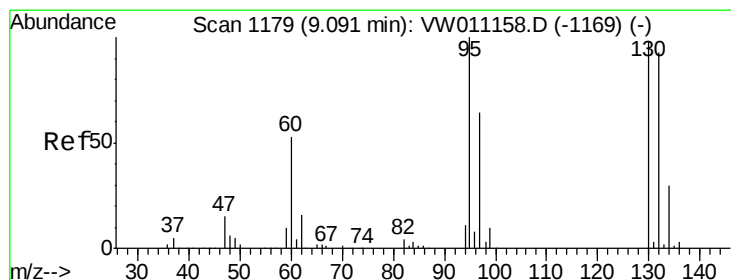
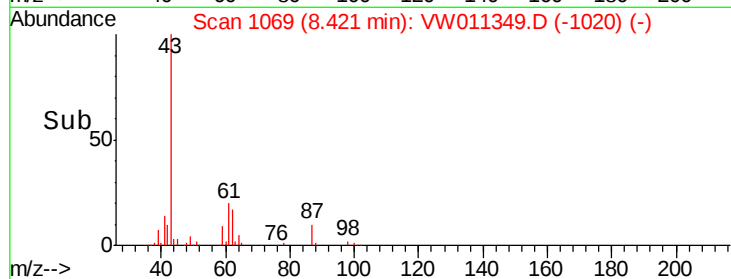
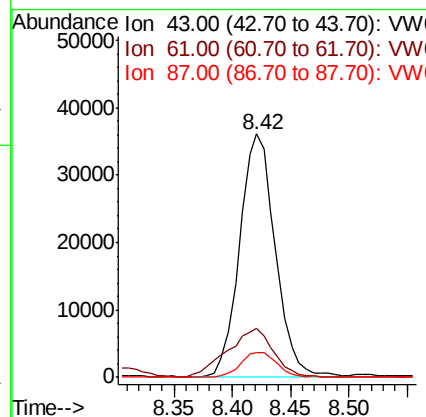
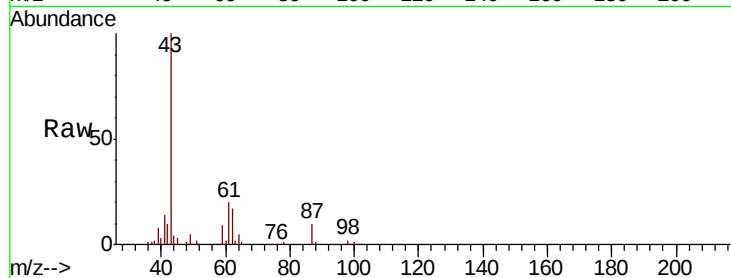




#43
Isopropyl Acetate
Concen: 20.498 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

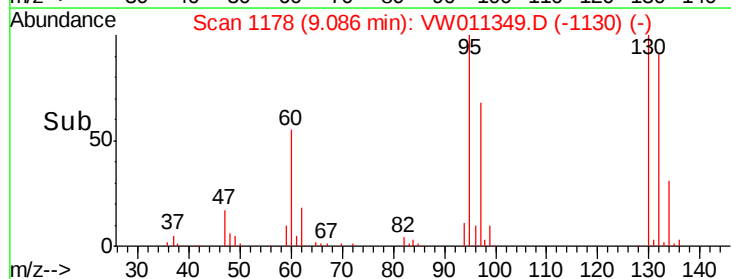
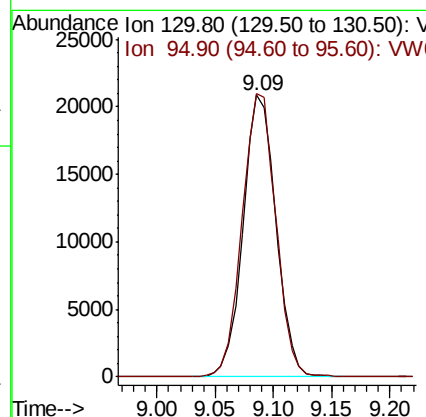
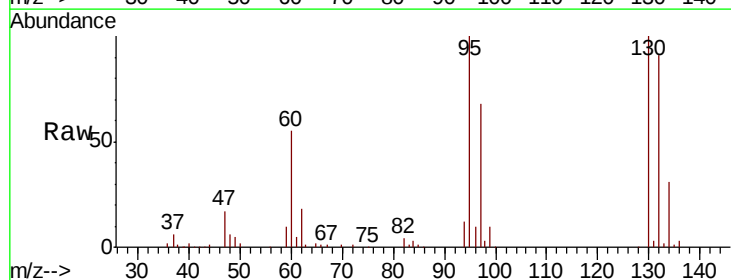
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 76849
Ion Ratio Lower Upper
43 100
61 26.0 20.7 31.1
87 10.6 8.1 12.1



#44
Trichloroethene
Concen: 18.743 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 130 Resp: 41196
Ion Ratio Lower Upper
130 100
95 100.4 0.0 203.6

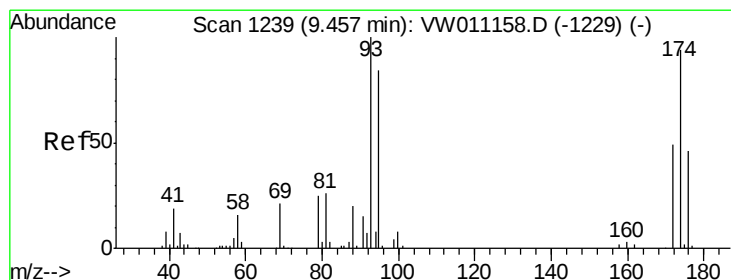
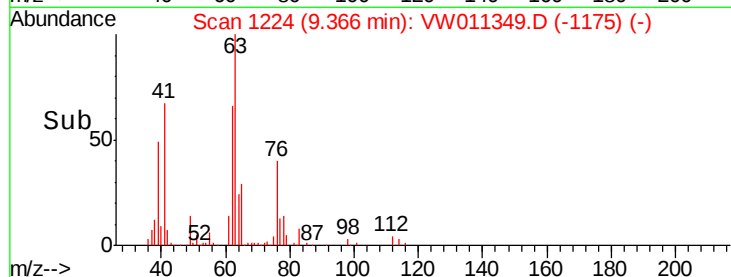
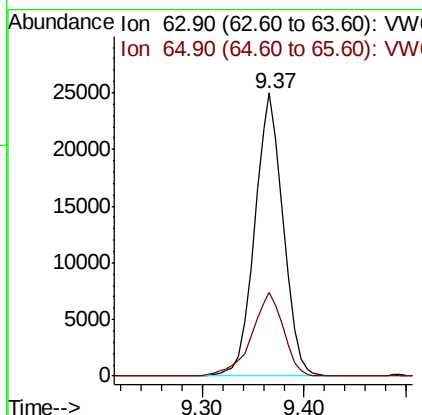
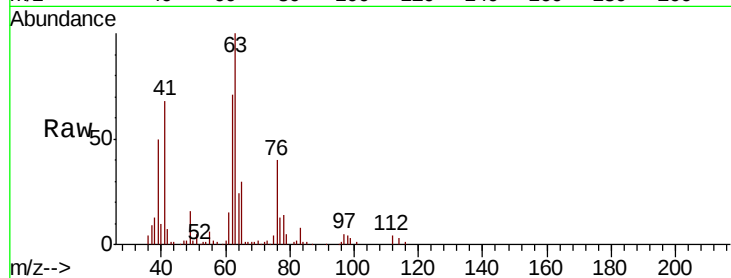




#45
 1,2-Dichloropropane
 Concen: 19.590 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

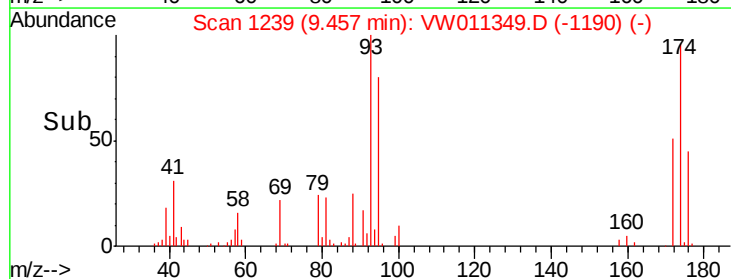
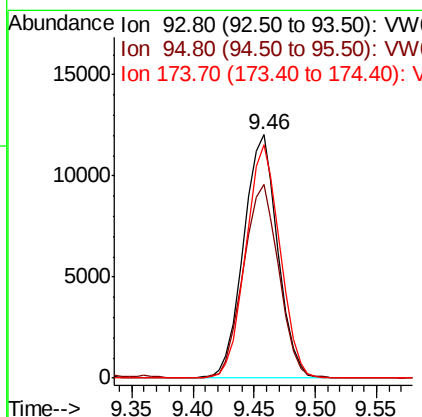
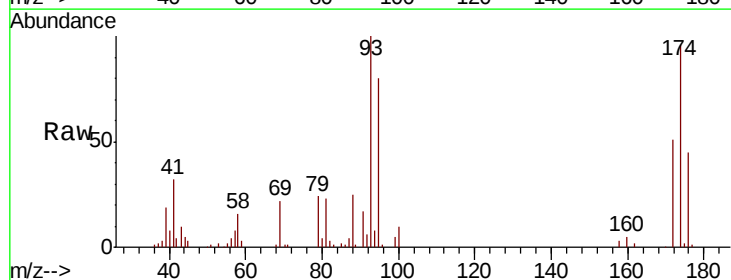
Instrument :
 MSVOA_W
 ClientSampled :

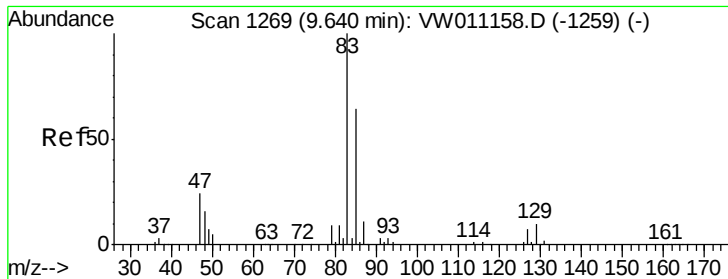
Tot Ion: 63 Resp: 48455
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.4 36.6



#46
 Dibromomethane
 Concen: 20.084 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion: 93 Resp: 23335
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 96.1 76.3 114.5





#47

Bromodichloromethane

Concen: 18.957 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

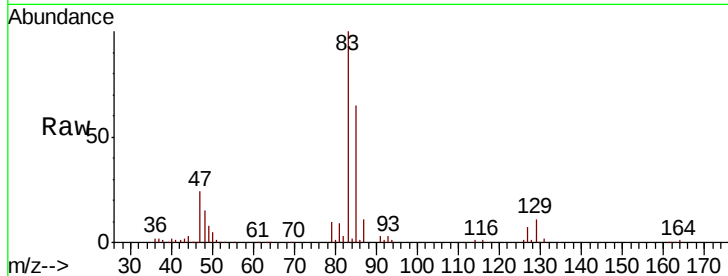
Tot Ion: 83 Resp: 56358

Ion Ratio Lower Upper

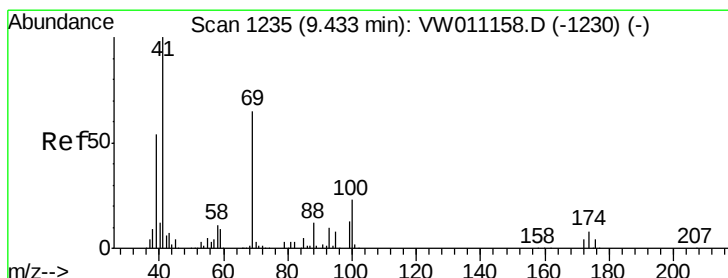
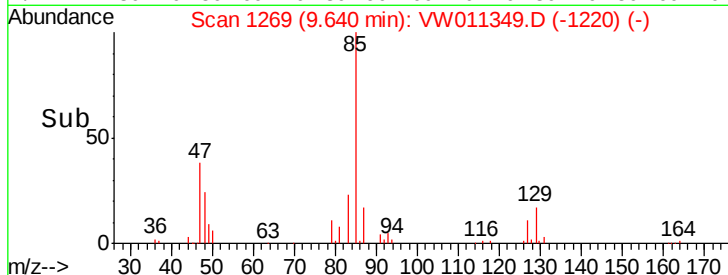
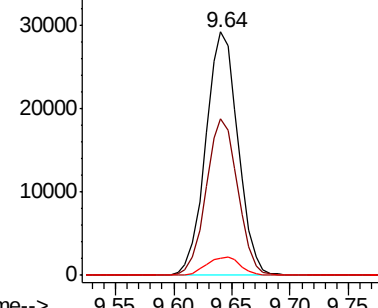
83 100

85 64.5 51.0 76.4

127 7.2 6.0 9.0



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



#48

Methyl methacrylate

Concen: 19.918 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

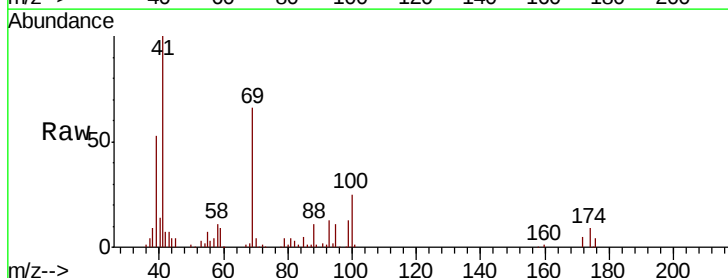
Tgt Ion: 41 Resp: 35926

Ion Ratio Lower Upper

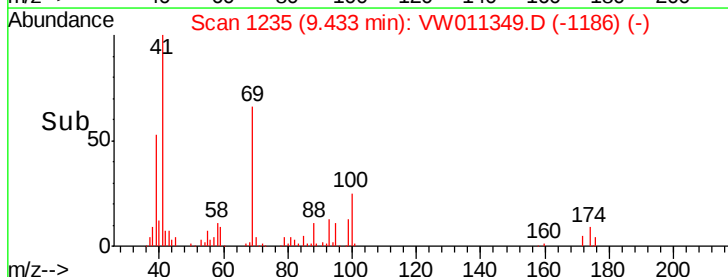
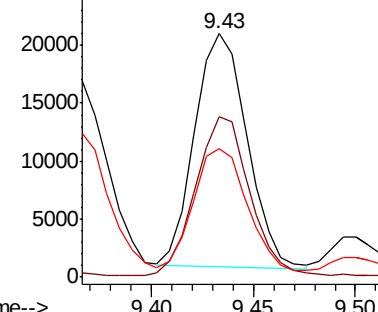
41 100

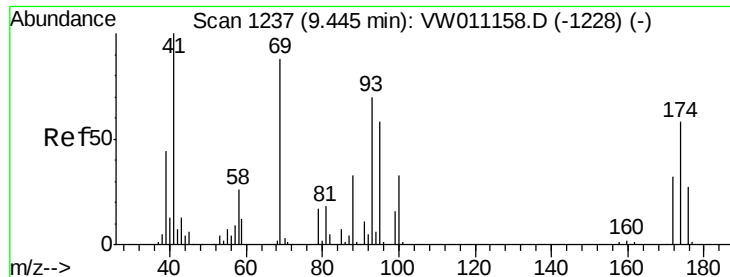
69 71.7 56.0 84.0

39 59.4 43.5 65.3



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: 420.027 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

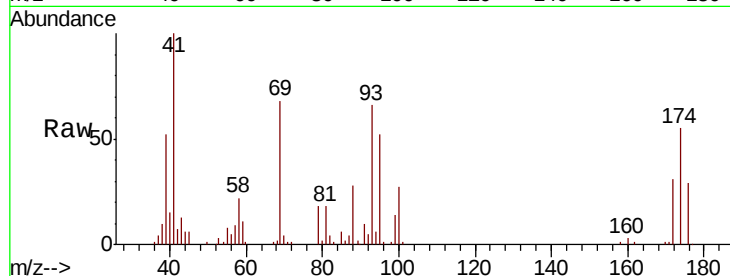
Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 8146

Ion	Ratio	Lower	Upper
88	100		
43	41.3	33.4	50.0
58	90.2	64.5	96.7

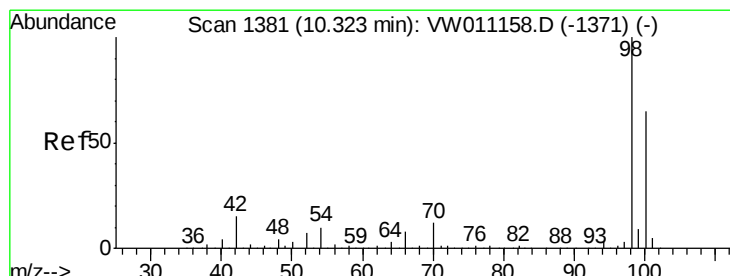
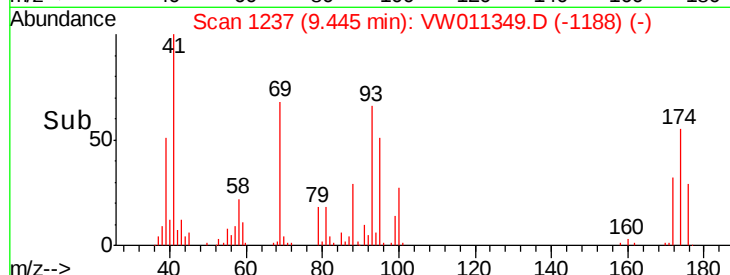
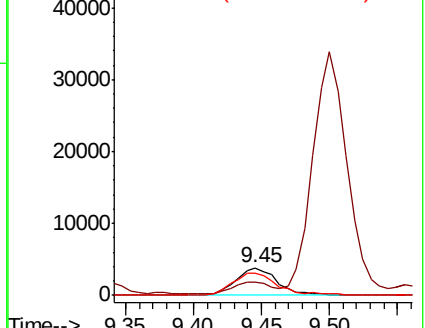


Abundance

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: 44.925 ug/l

RT: 10.32 min Scan# 1381

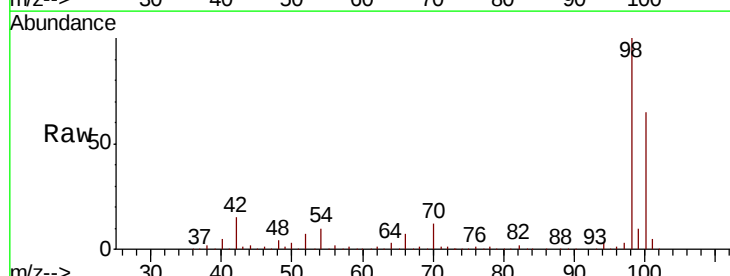
Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion: 98 Resp: 335925

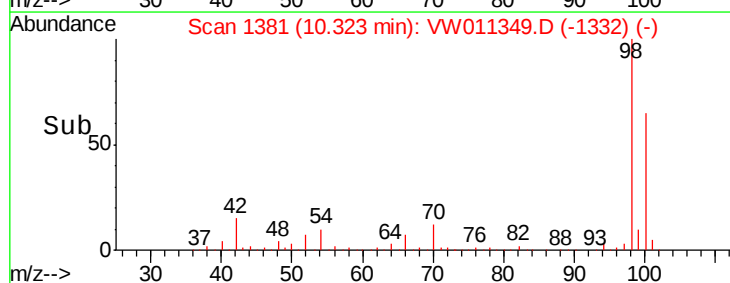
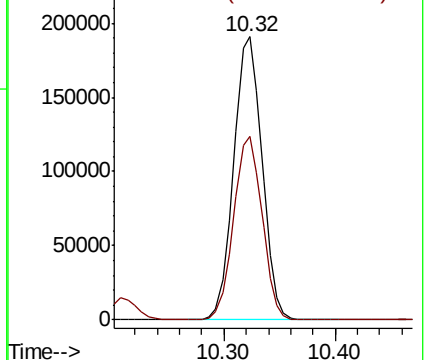
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6

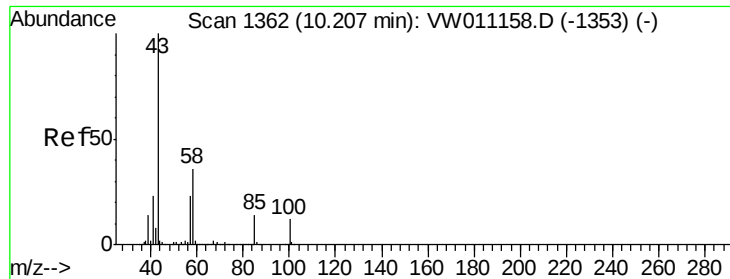


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 109.210 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

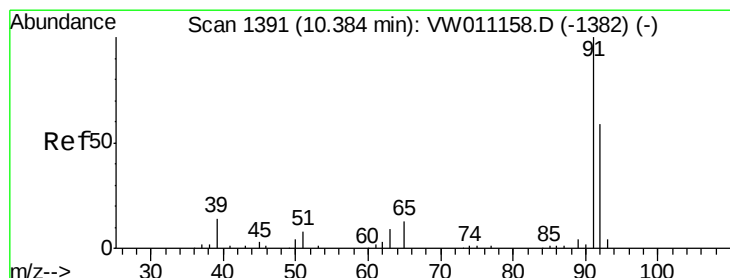
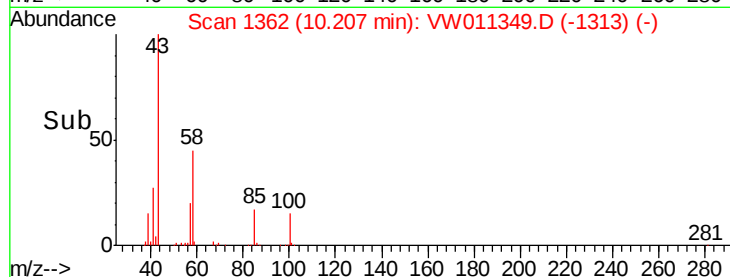
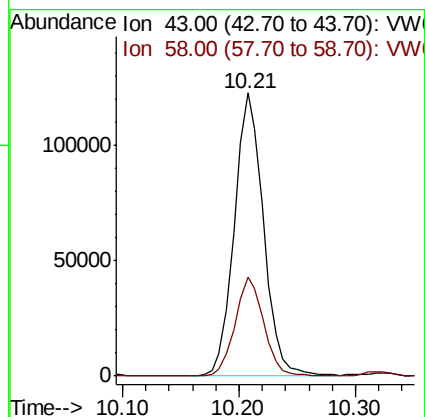
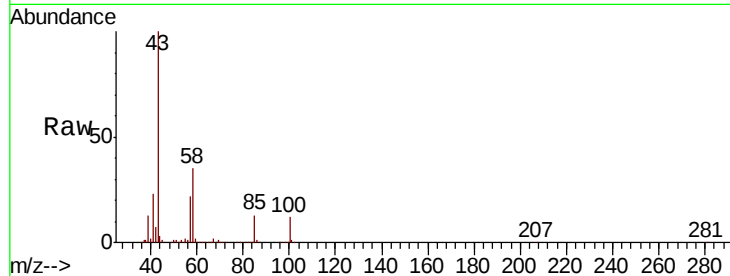
ClientSampled :

Tot Ion: 43 Resp: 213881

Ion Ratio Lower Upper

43 100

58 34.4 28.2 42.2



#52

Toluene

Concen: 19.001 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011349.D

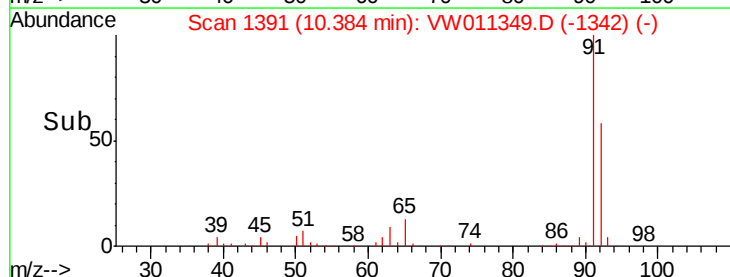
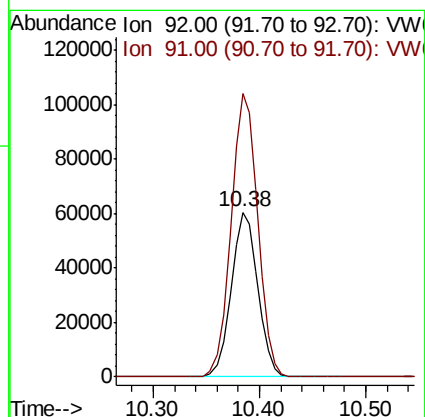
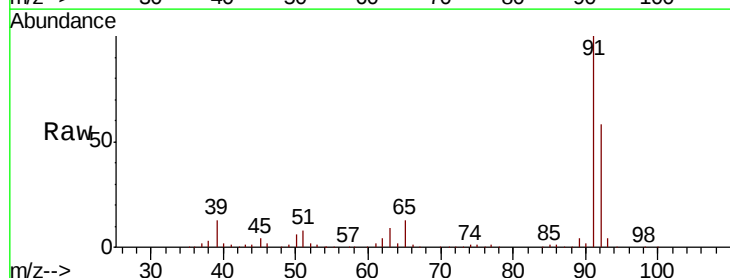
Acq: 18 Jul 2019 23:22

Tgt Ion: 92 Resp: 105280

Ion Ratio Lower Upper

92 100

91 173.1 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 17.700 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

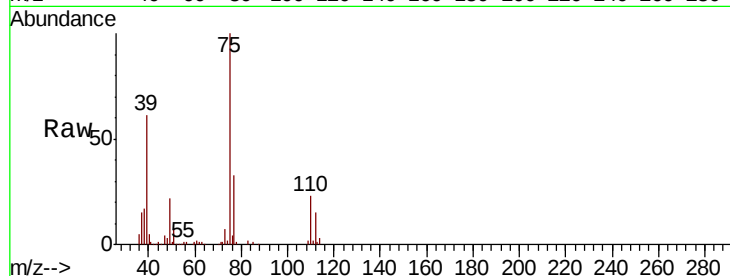
ClientSampleId :

Tot Ion: 75 Resp: 56012

Ion Ratio Lower Upper

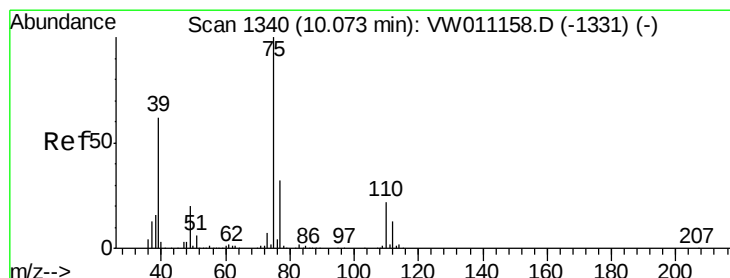
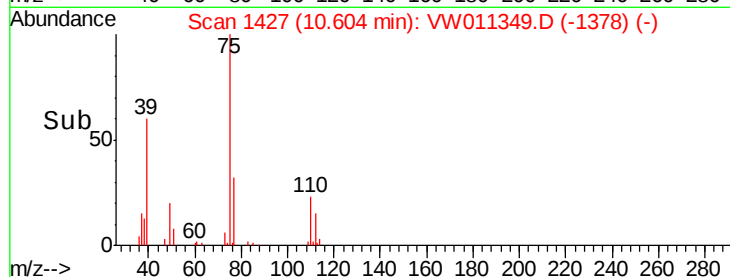
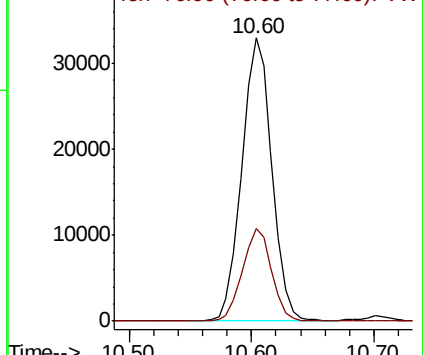
75 100

77 32.5 25.4 38.0



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: 18.158 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

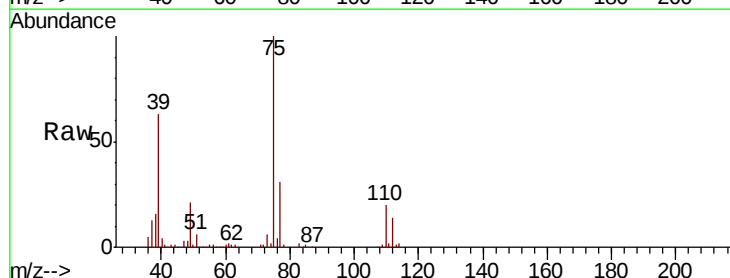
Tgt Ion: 75 Resp: 67632

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

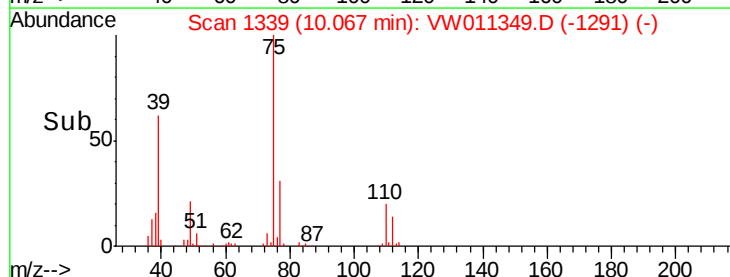
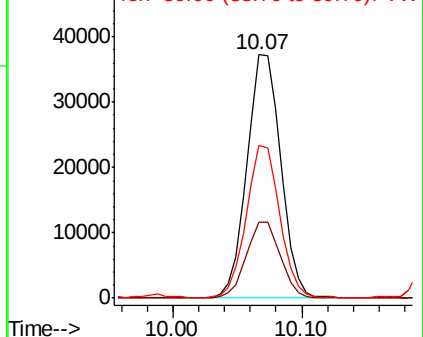
39 62.4 49.8 74.8

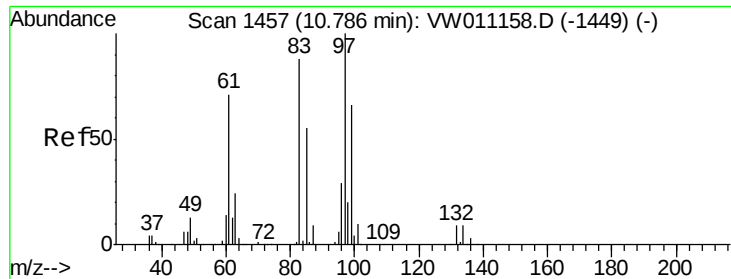


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



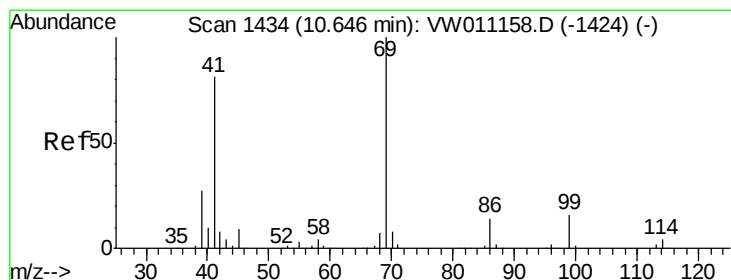
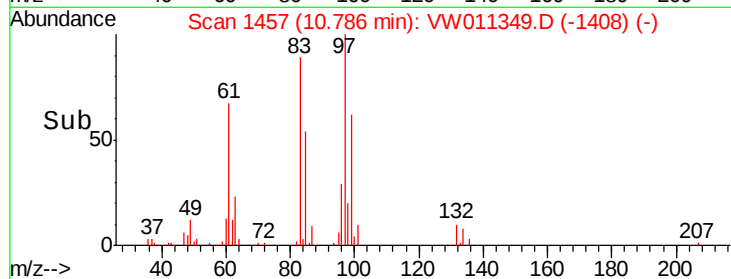
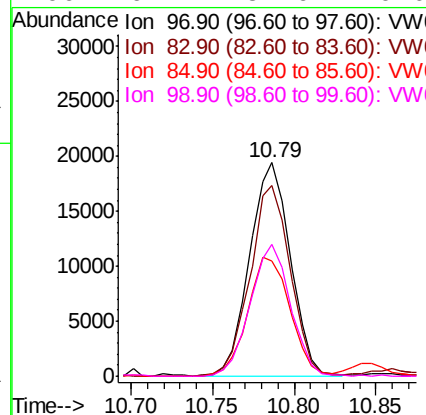
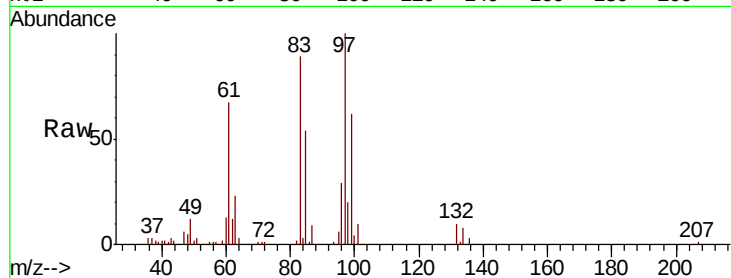


#55
 1,1,2-Trichloroethane
 Concen: 20.550 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 33873

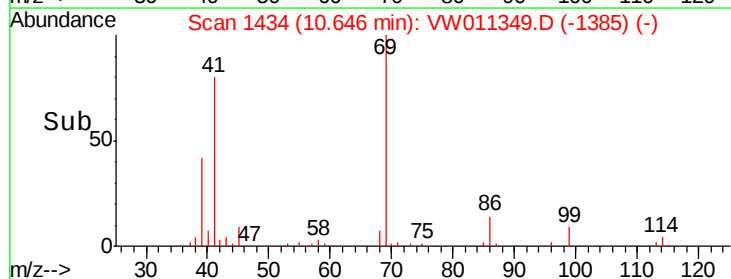
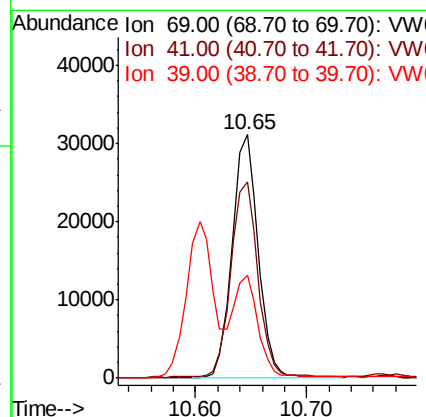
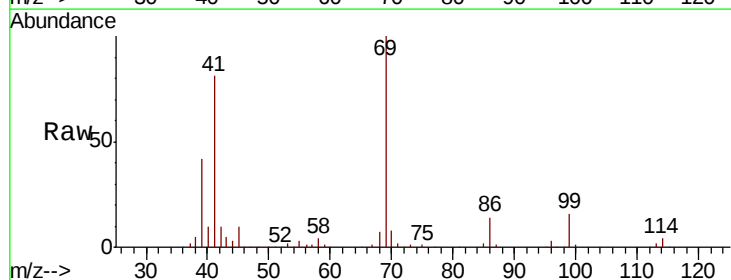
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.2	105.4
85	53.9	44.2	66.2
99	61.7	52.6	79.0

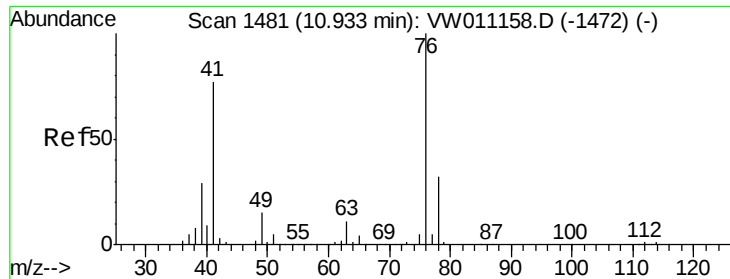


#56
 Ethyl methacrylate
 Concen: 20.203 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion: 69 Resp: 50701

Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.5	99.7
39	38.3	32.5	48.7

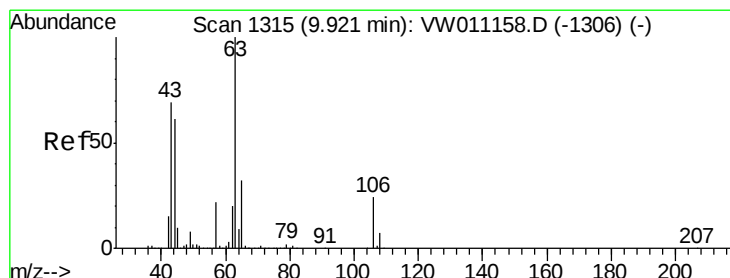
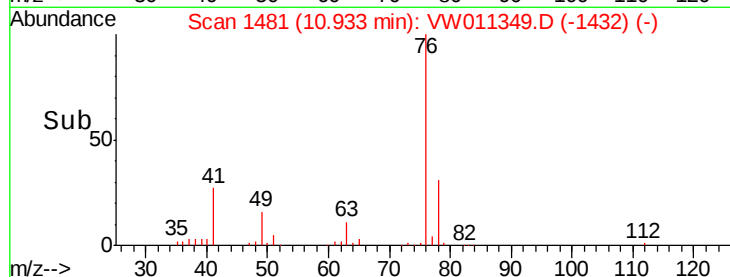
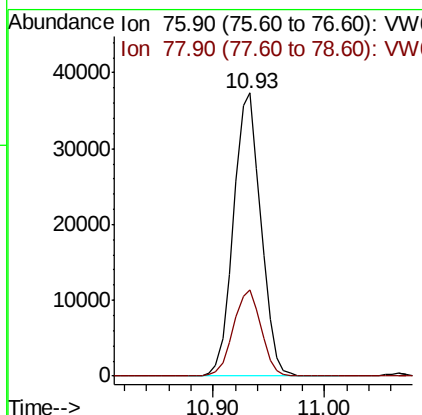
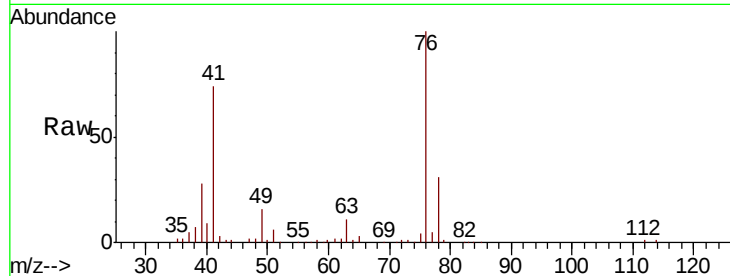




#57
 1,3-Dichloropropane
 Concen: 20.425 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

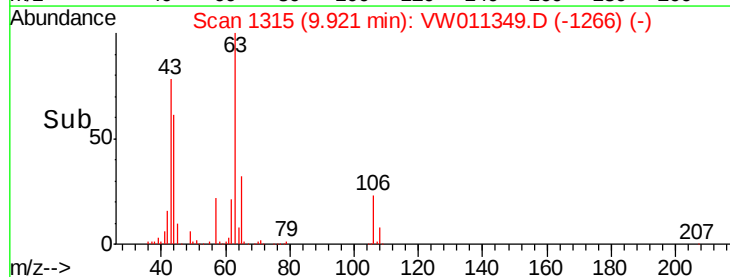
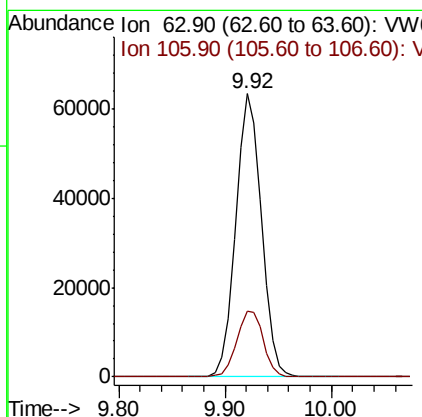
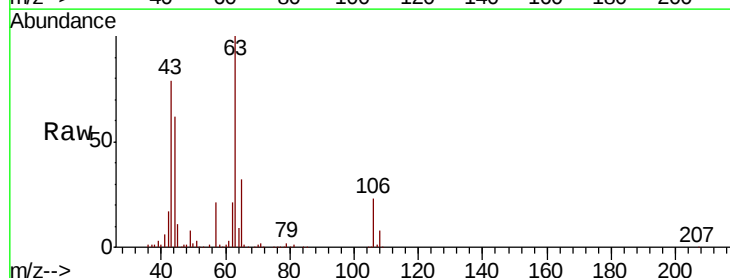
Instrument :
 MSVOA_W
 ClientSampled :

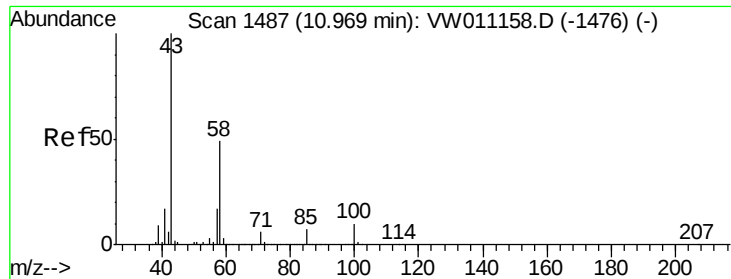
Tot Ion: 76 Resp: 63665
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.340 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion: 63 Resp: 107431
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.4 29.0

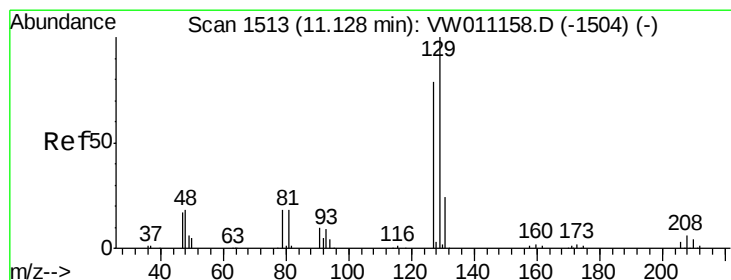
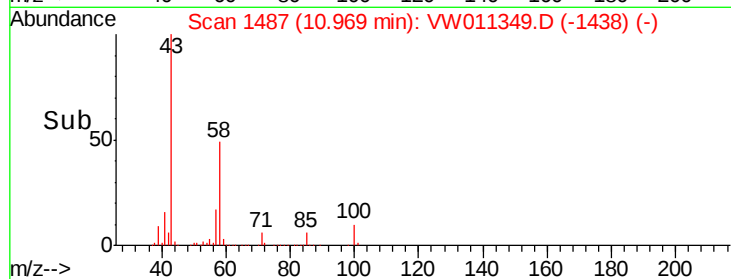
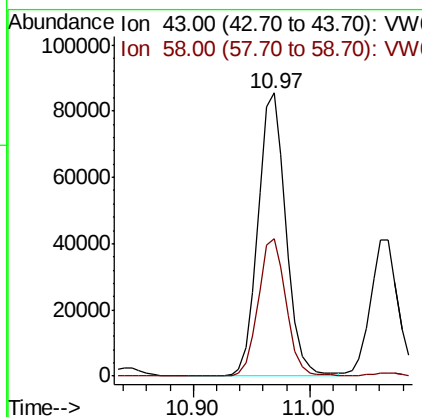
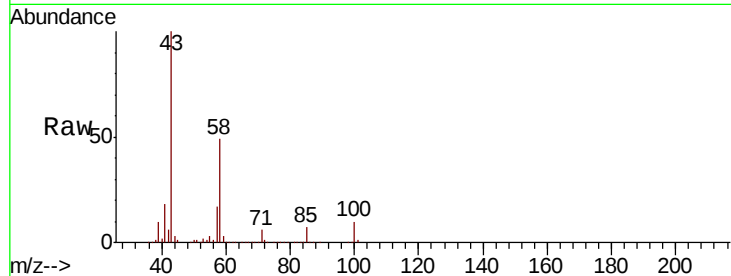




#59
2-Hexanone
Concen: 104.928 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

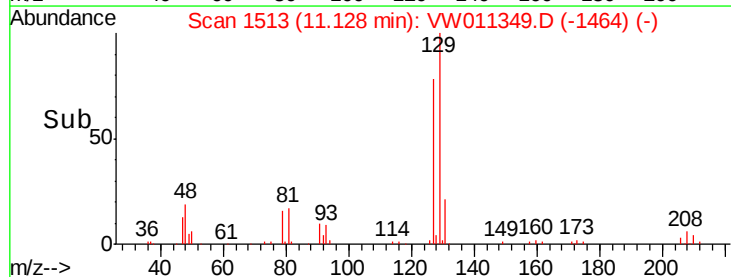
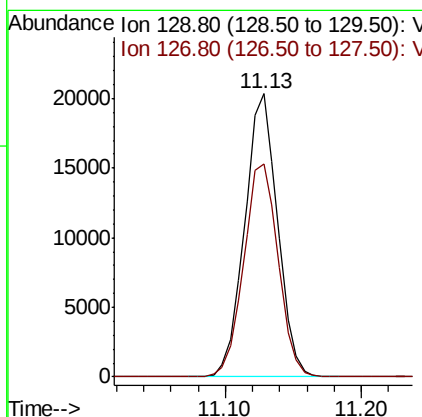
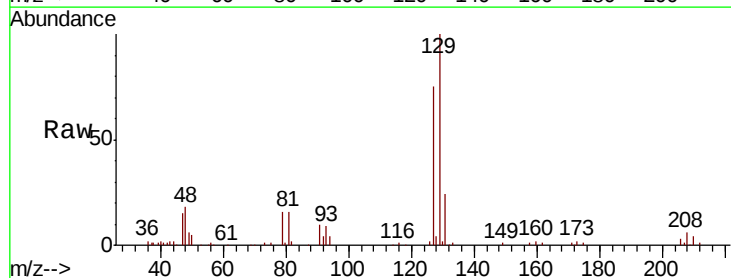
Instrument :
MSVOA_W
ClientSampleId :

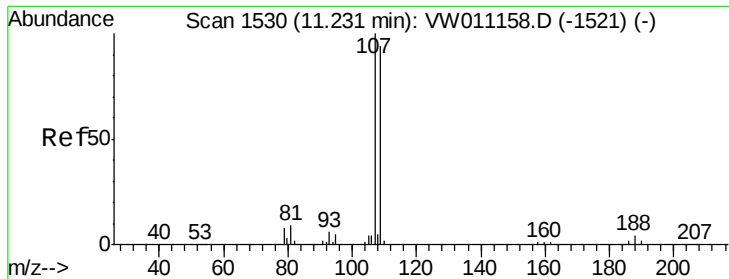
Tot Ion: 43 Resp: 142510
Ion Ratio Lower Upper
43 100
58 48.7 24.4 73.4



#60
Dibromochloromethane
Concen: 19.069 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion:129 Resp: 34467
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3

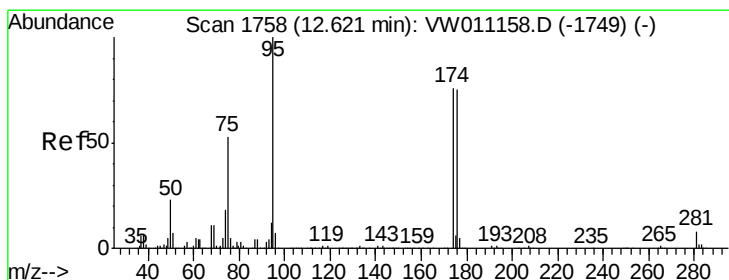
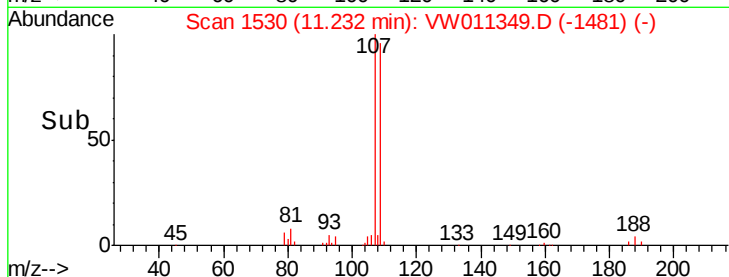
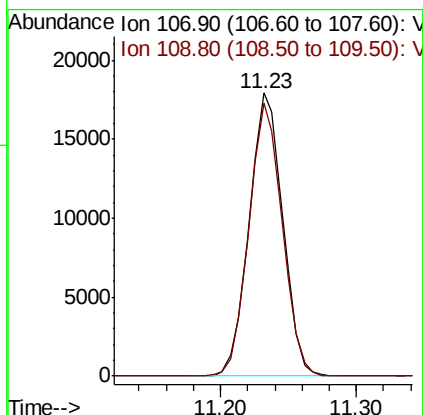
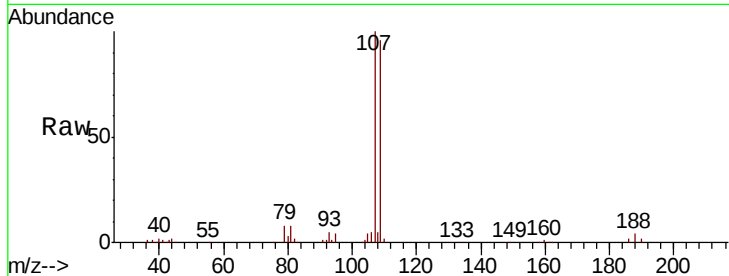




#61
 1,2-Dibromoethane
 Concen: 19.881 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

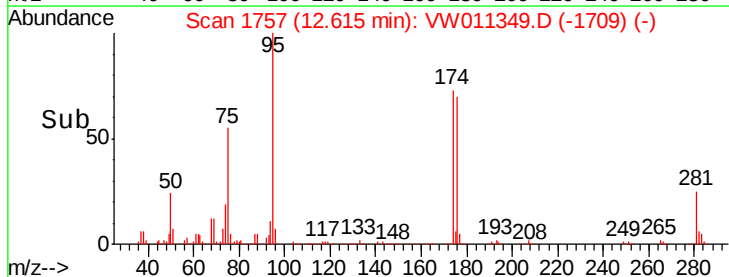
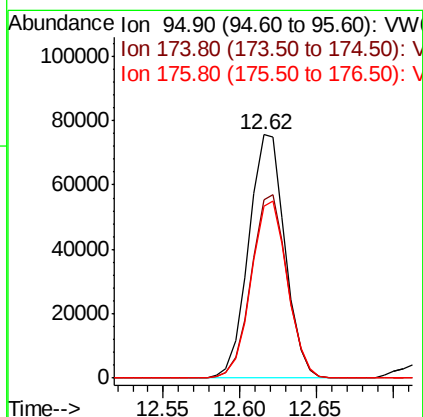
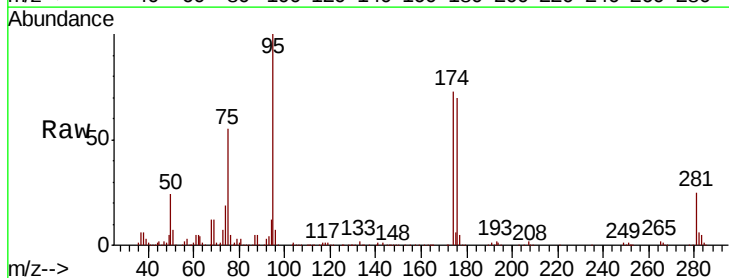
Instrument :
 MSVOA_W
 ClientSampleId :

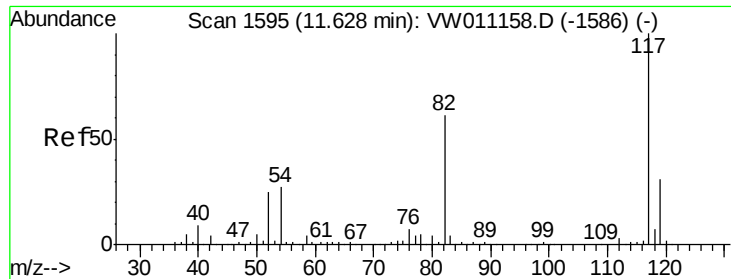
Tot Ion:107 Resp: 31041
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 45.556 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion: 95 Resp: 124858
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.6
 176 72.8 0.0 144.6

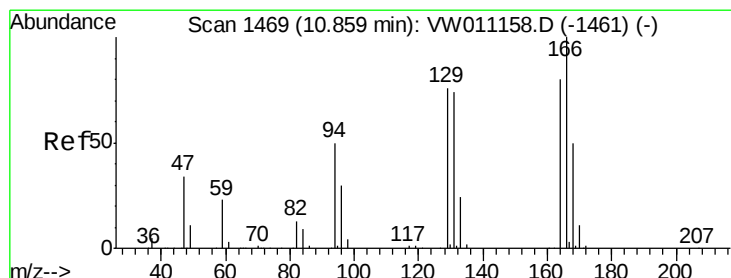
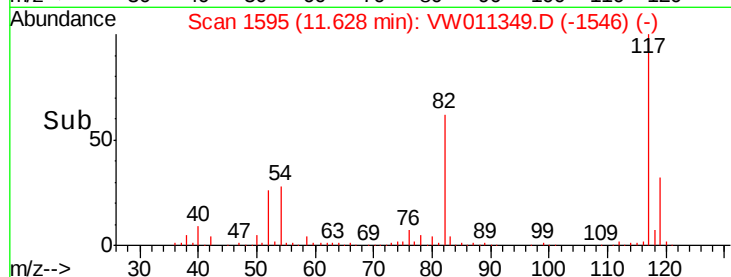
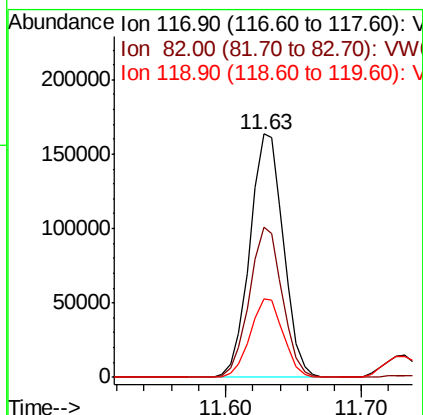
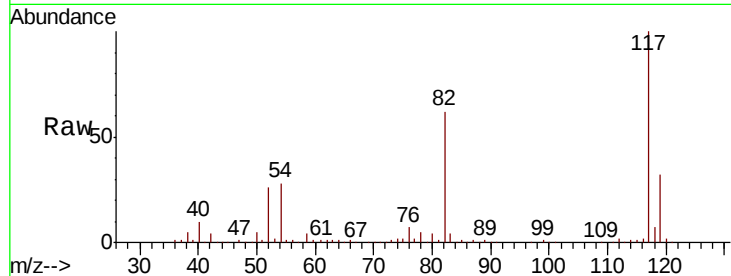




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

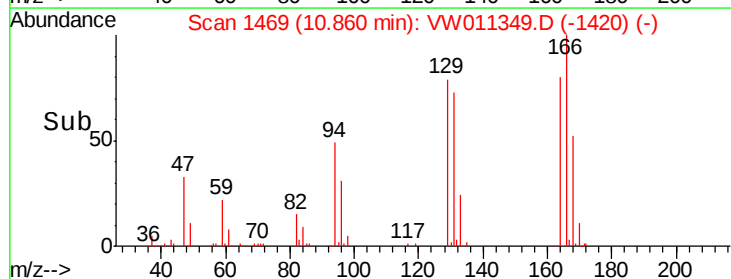
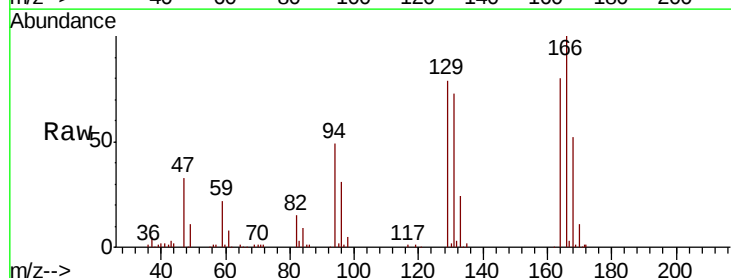
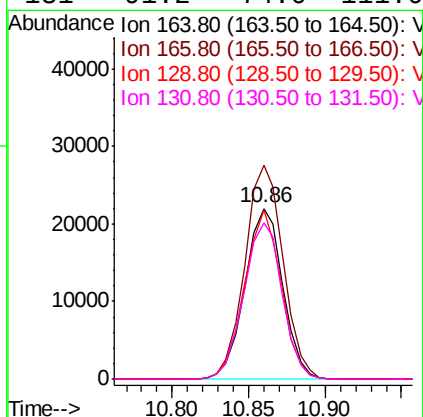
Instrument :
MSVOA_W
ClientSampleId :

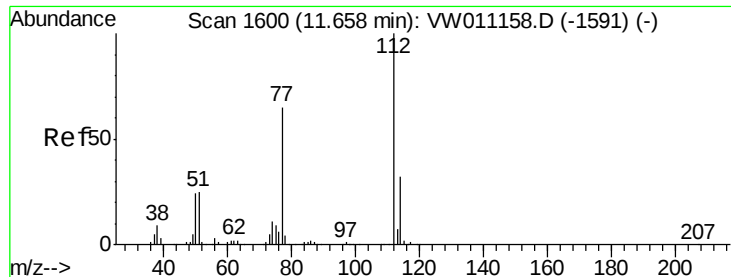
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.9	73.3
119	32.1	25.0	37.6



#64
Tetrachloroethene
Concen: 19.817 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	99.7	149.5
129	98.8	76.2	114.2
131	91.2	74.0	111.0

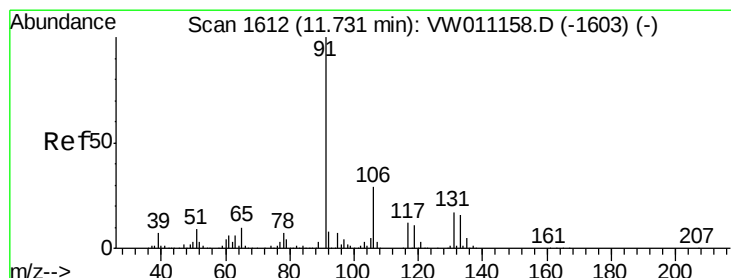
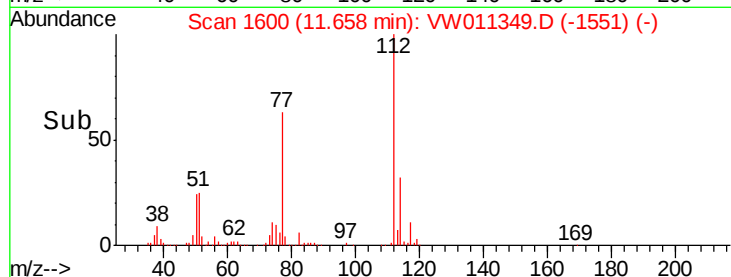
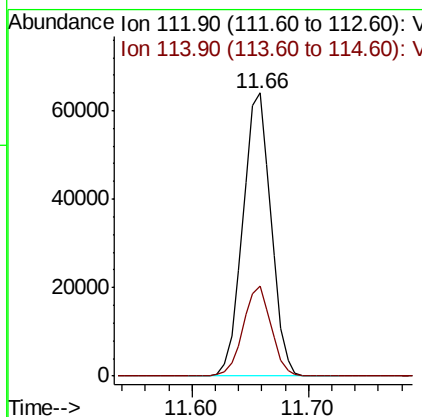
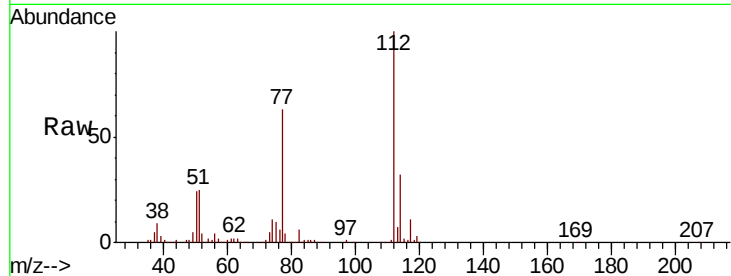




#65
Chlorobenzene
Concen: 18.886 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

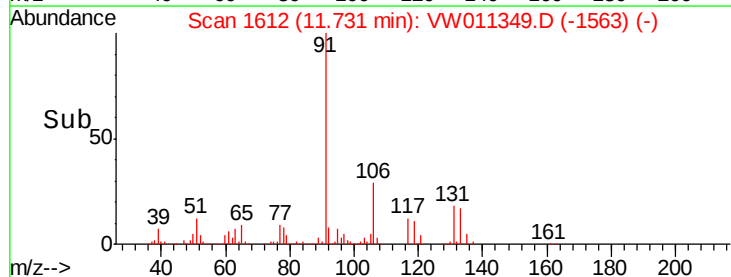
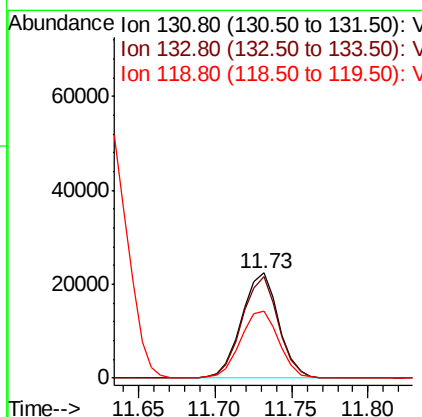
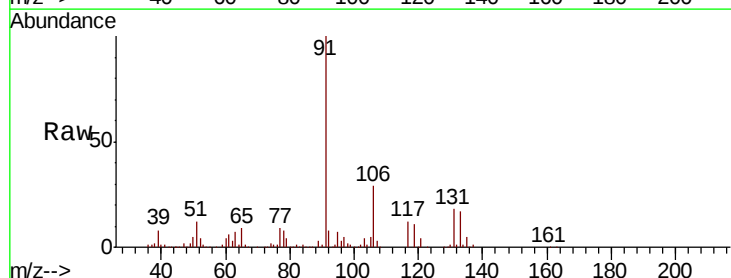
Instrument :
MSVOA_W
ClientSampleId :

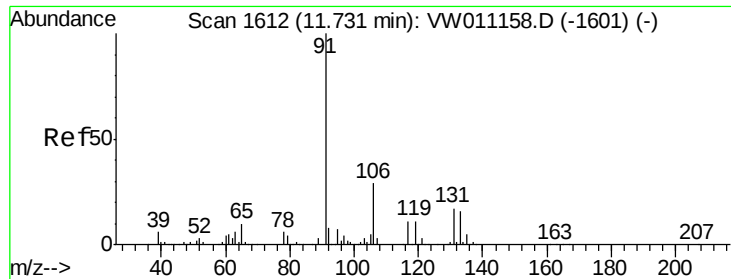
Tot Ion:112 Resp: 108394
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 18.604 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion:131 Resp: 37595
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.8
119 66.7 33.1 99.2

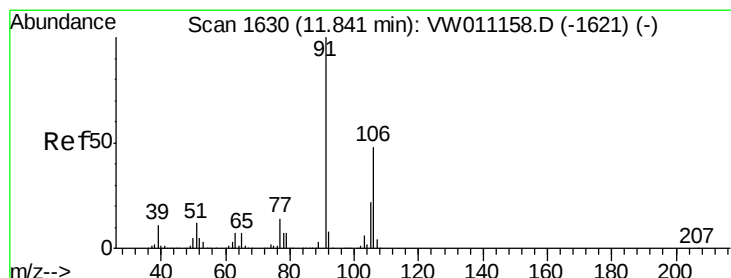
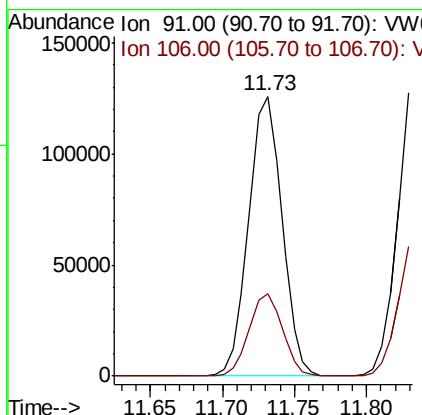
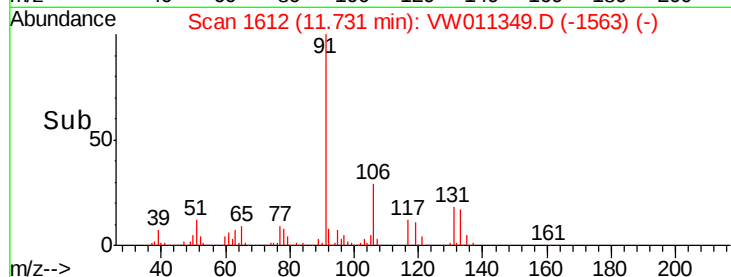
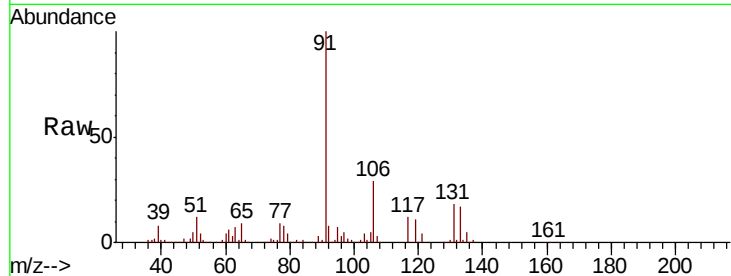




#67
Ethyl Benzene
Concen: 18.396 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

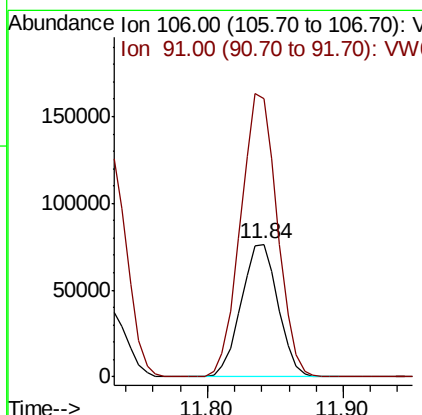
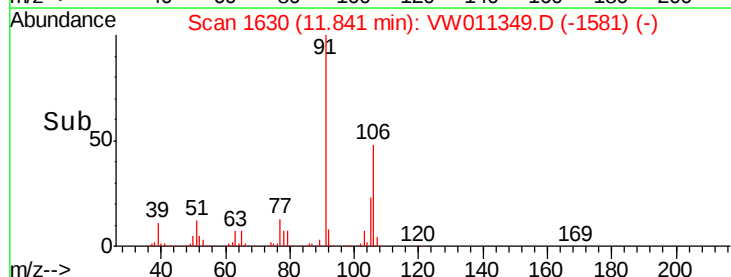
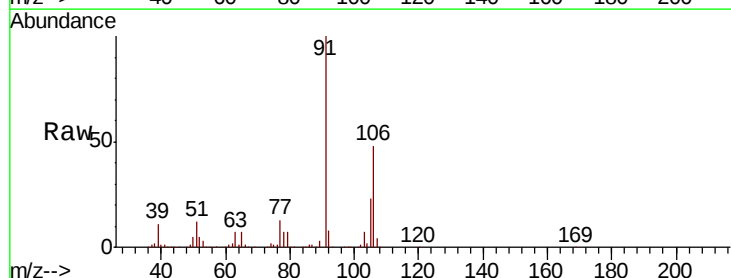
Instrument :
MSVOA_W
ClientSampled :

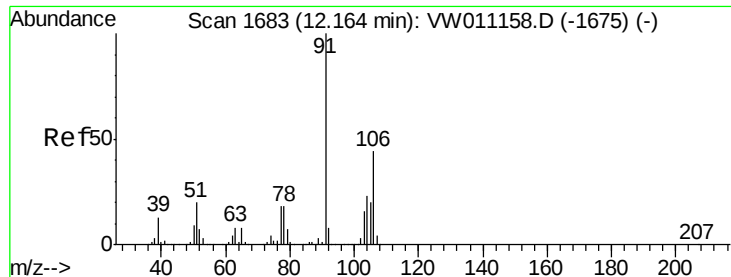
Tot Ion: 91 Resp: 202121
Ion Ratio Lower Upper
91 100
106 29.5 23.5 35.3



#68
m/p-Xylenes
Concen: 36.600 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 106 Resp: 145509
Ion Ratio Lower Upper
106 100
91 211.9 167.7 251.5

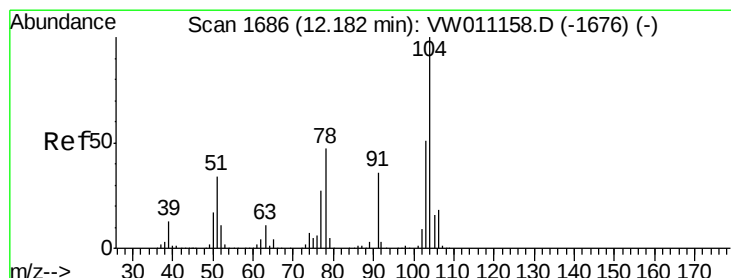
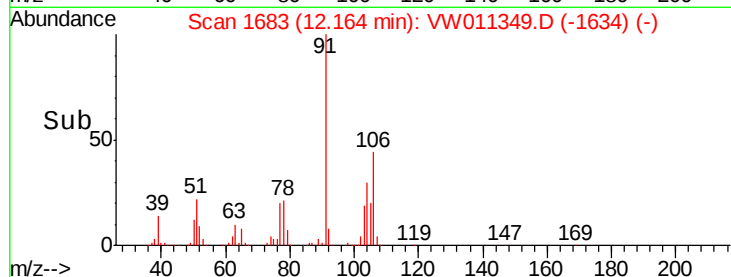
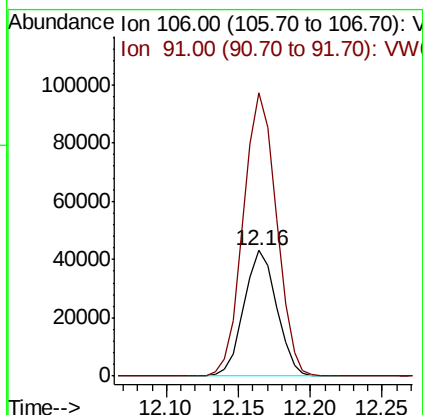
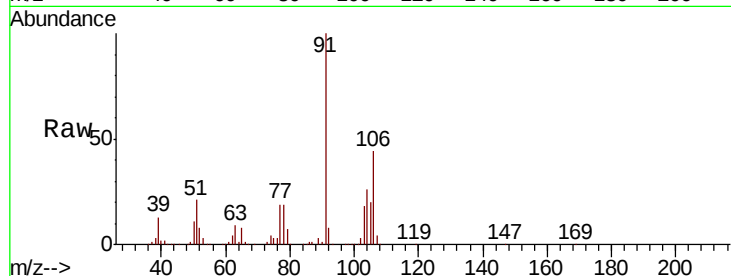




#69
o-Xylene
Concen: 18.120 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

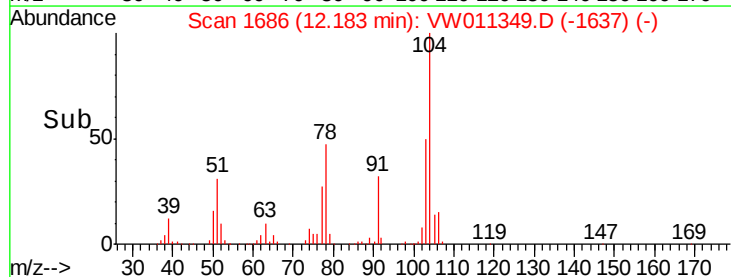
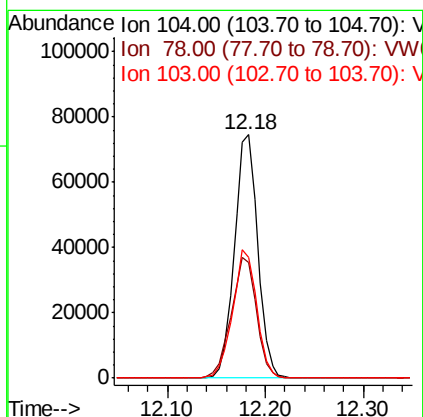
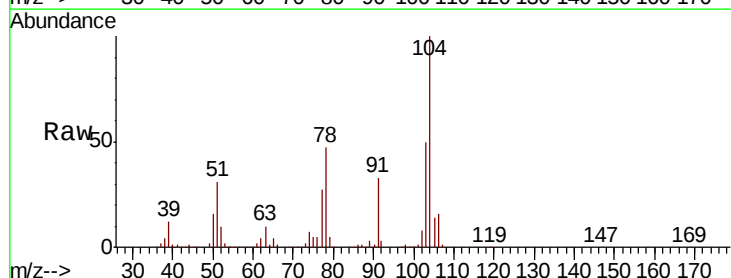
Instrument :
MSVOA_W
ClientSampled :

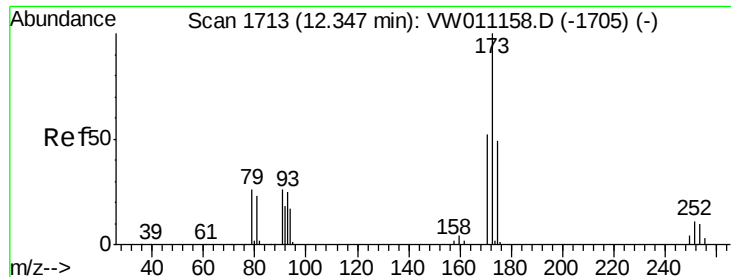
Tot Ion:106 Resp: 67897
Ion Ratio Lower Upper
106 100
91 228.9 110.7 332.1



#70
Styrene
Concen: 19.088 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion:104 Resp: 123440
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 54.6 44.1 66.1





#71

Bromoform

Concen: 18.105 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

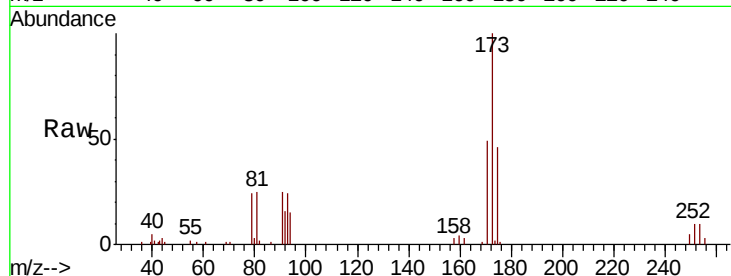
Tot Ion:173 Resp: 19453

Ion Ratio Lower Upper

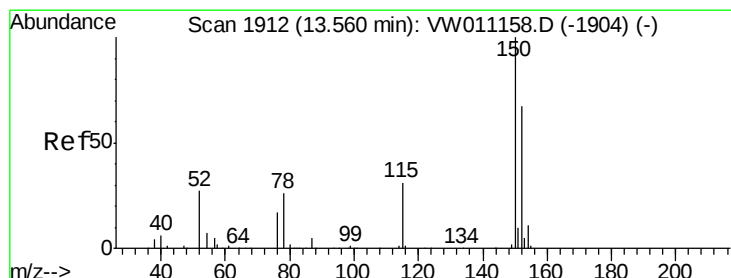
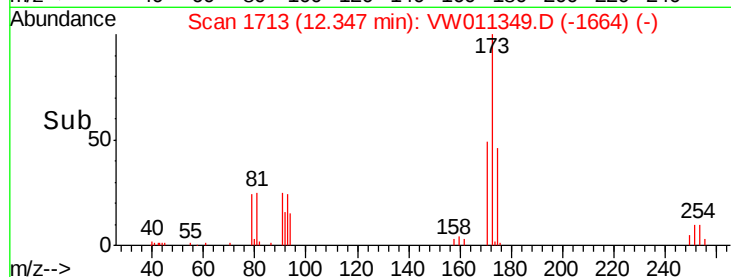
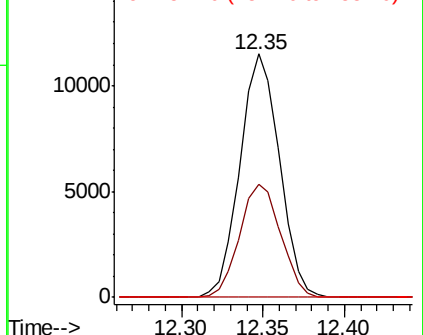
173 100

175 48.0 24.8 74.3

254 0.0 0.0 0.0



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: VW011349.D

Acq: 18 Jul 2019 23:22

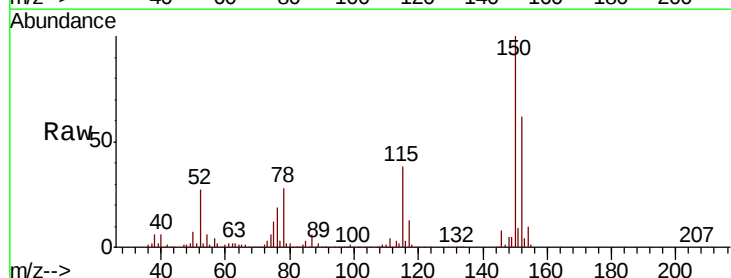
Tgt Ion:152 Resp: 139318

Ion Ratio Lower Upper

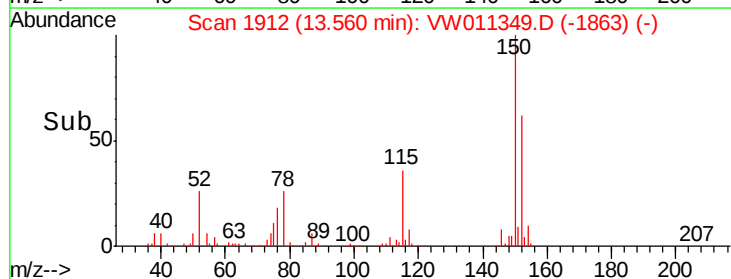
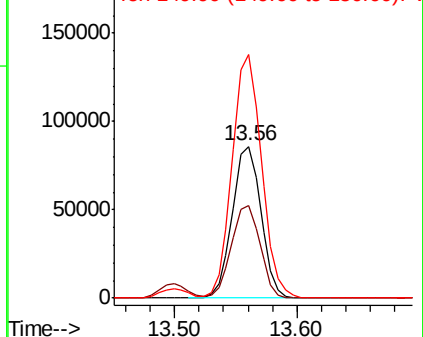
152 100

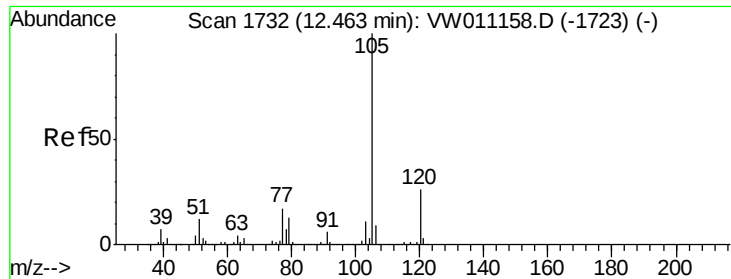
115 61.0 30.1 90.3

150 164.3 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.926 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

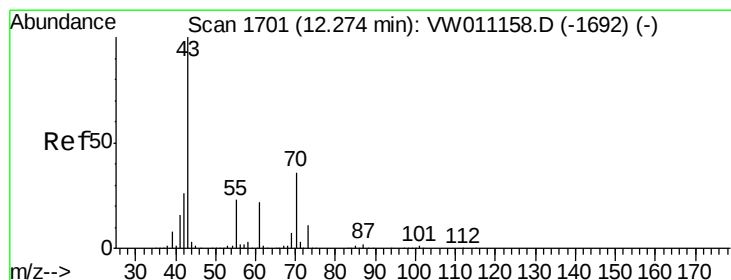
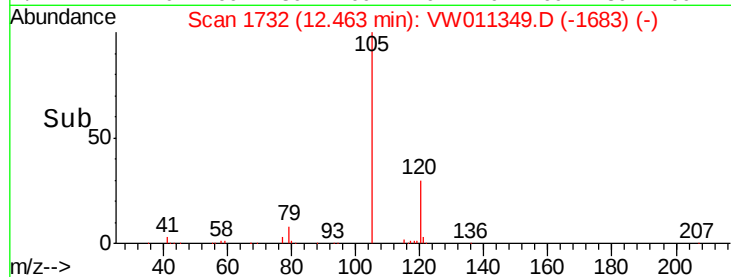
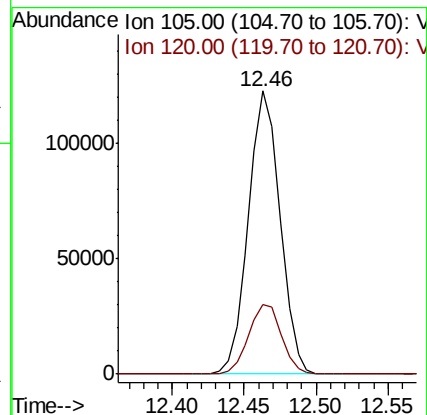
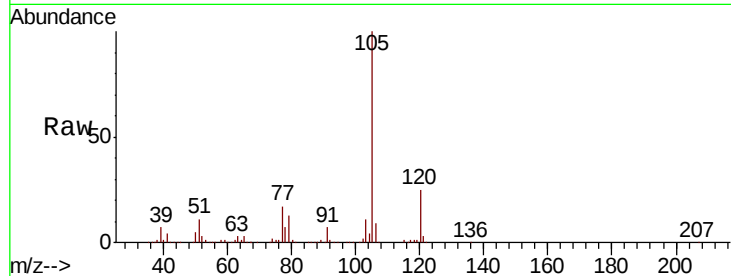
ClientSampled :

Tot Ion: 105 Resp: 186692

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 19.400 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion: 43 Resp: 70365

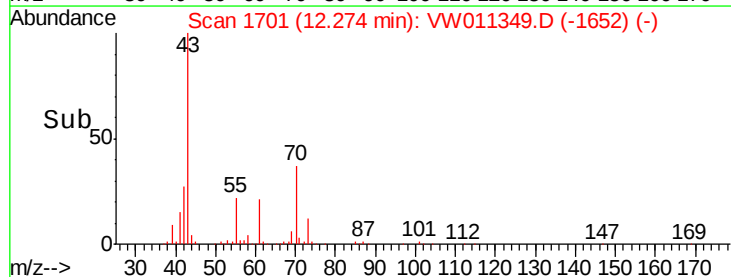
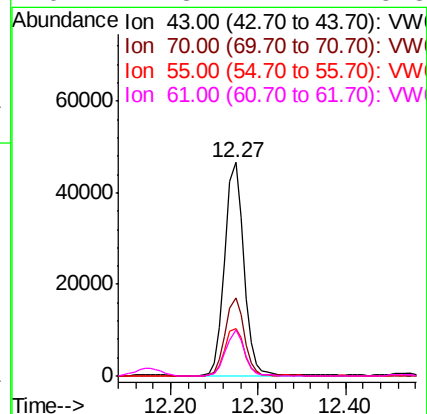
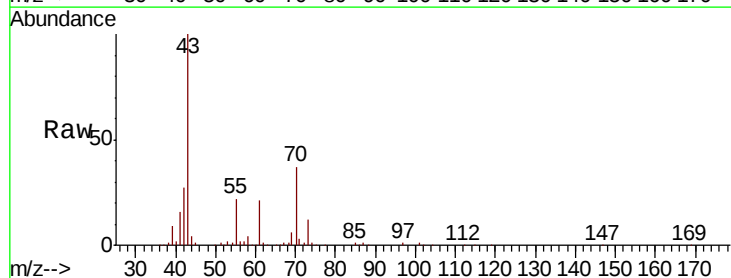
Ion Ratio Lower Upper

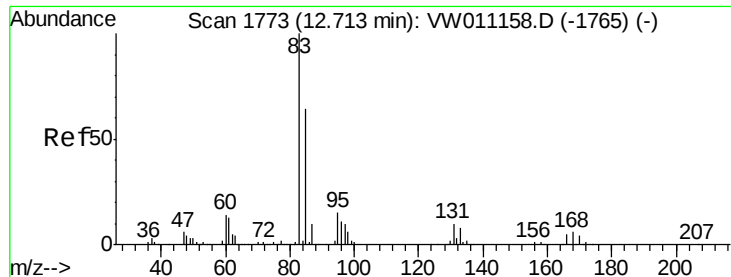
43 100

70 36.4 28.5 42.7

55 23.2 18.1 27.1

61 21.3 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.871 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

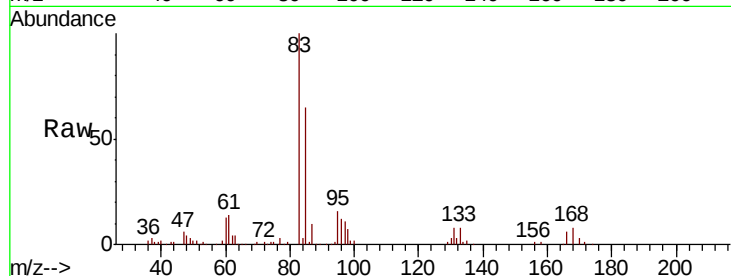
Tot Ion: 83 Resp: 42422

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

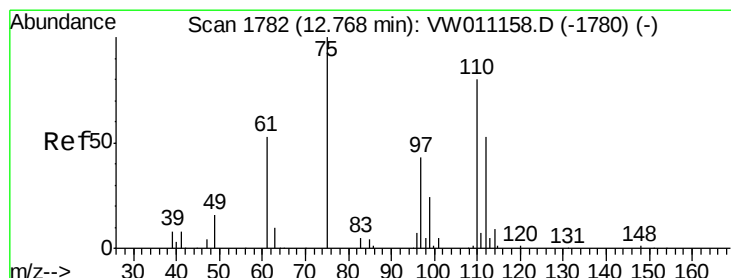
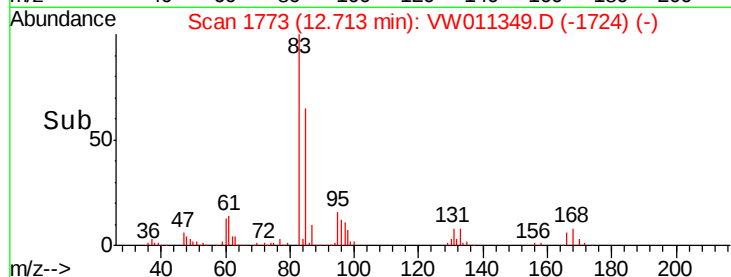
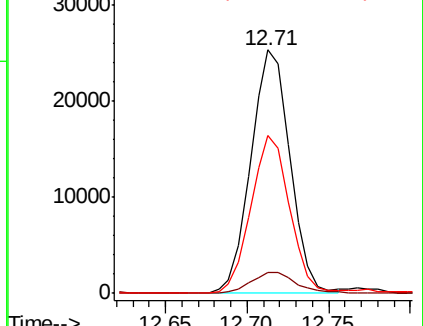
85 63.9 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 33.809 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011349.D

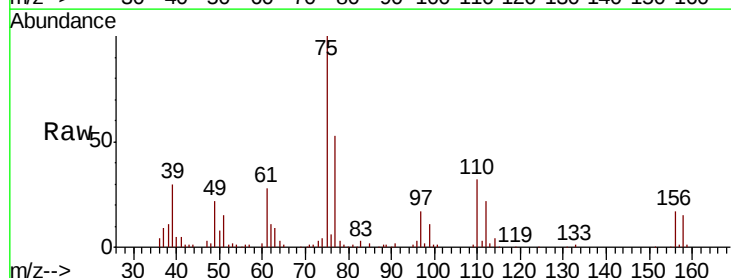
Acq: 18 Jul 2019 23:22

Tgt Ion: 75 Resp: 54432

Ion Ratio Lower Upper

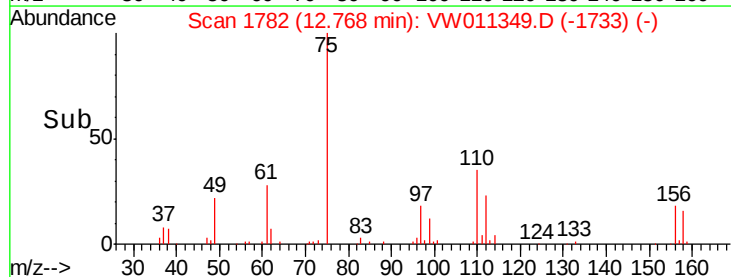
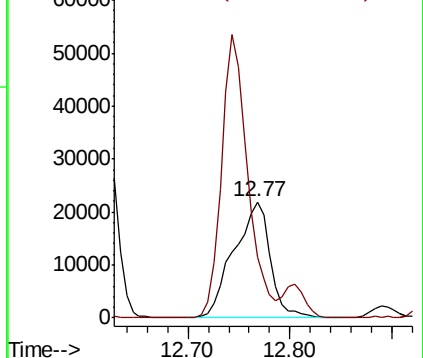
75 100

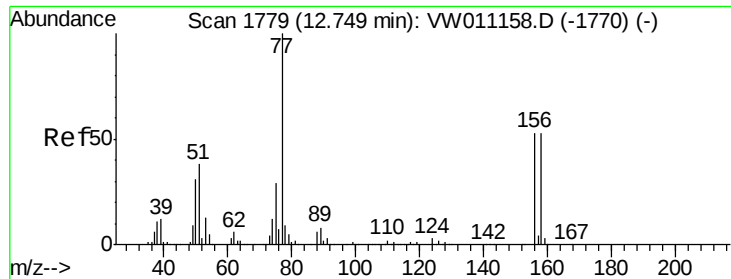
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

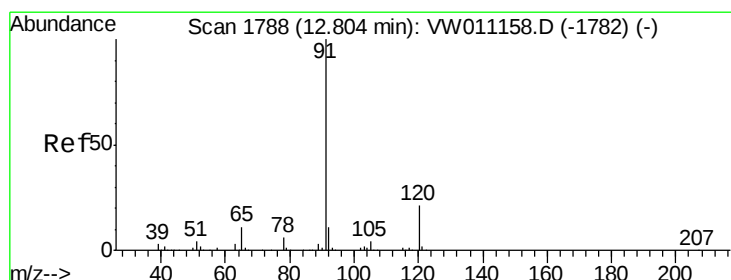
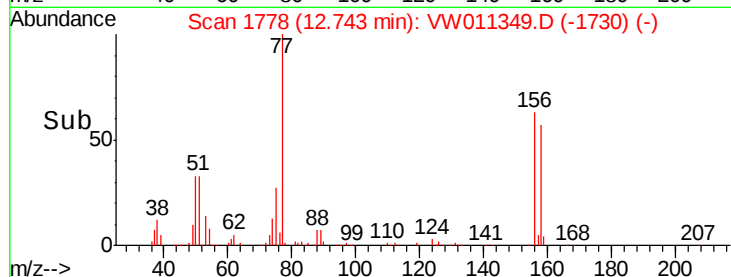
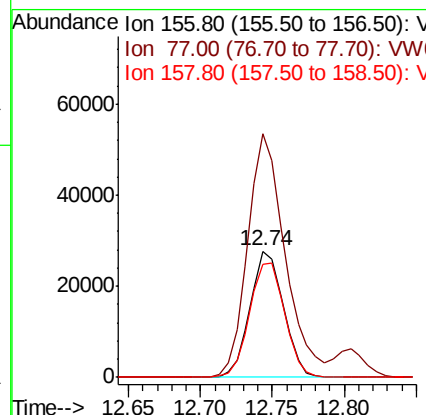
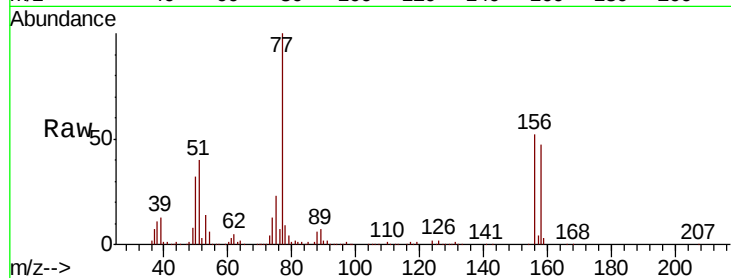




#77
Bromobenzene
Concen: 18.985 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

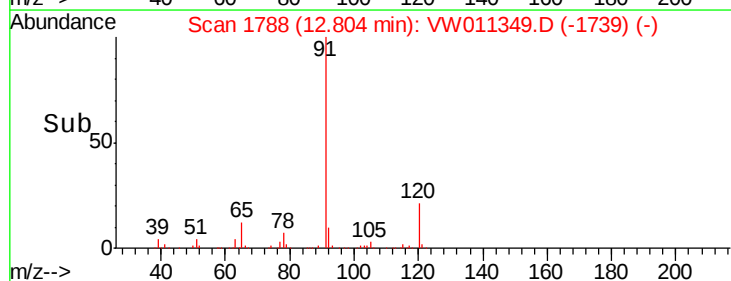
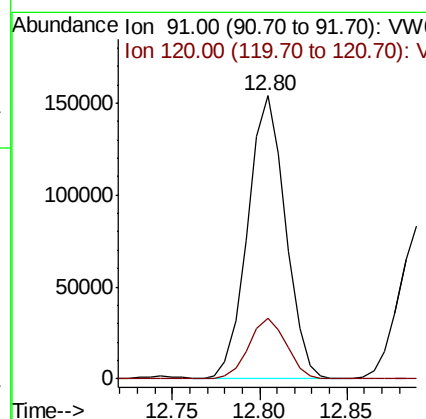
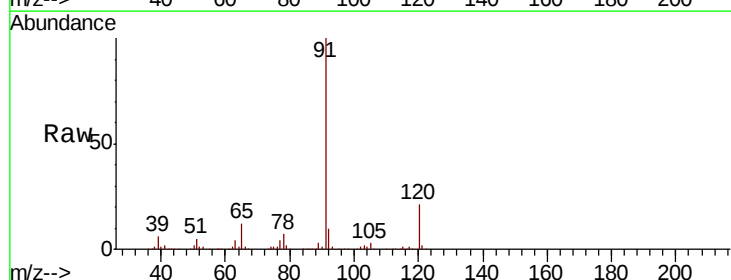
Instrument :
MSVOA_W
ClientSampled :

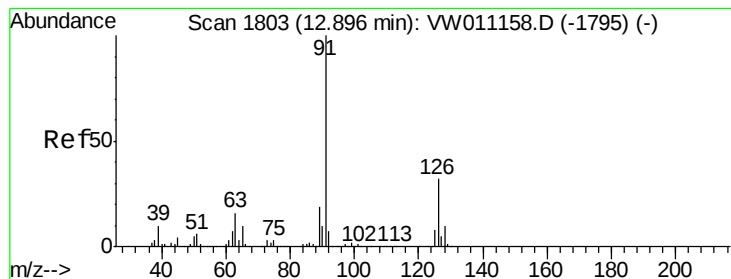
Tot Ion:156 Resp: 44371
Ion Ratio Lower Upper
156 100
77 216.2 109.0 327.0
158 95.4 48.8 146.3



#78
n-propylbenzene
Concen: 17.991 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 91 Resp: 230811
Ion Ratio Lower Upper
91 100
120 21.4 10.8 32.3





#79

2-Chlorotoluene

Concen: 18.386 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

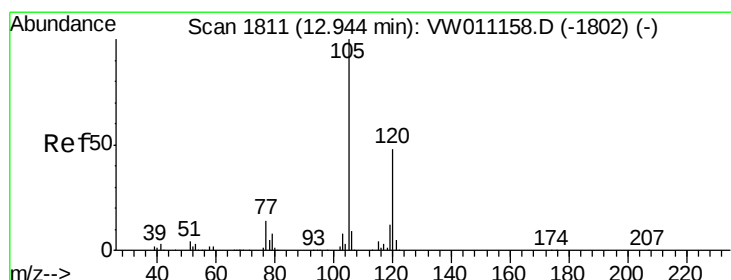
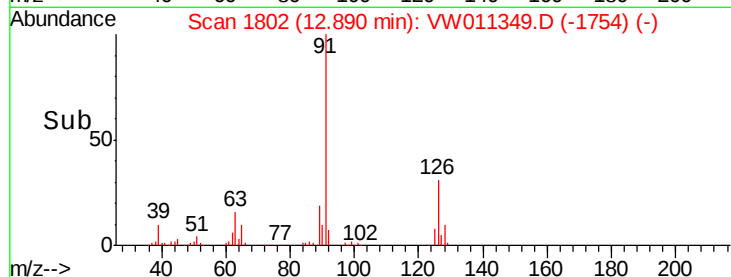
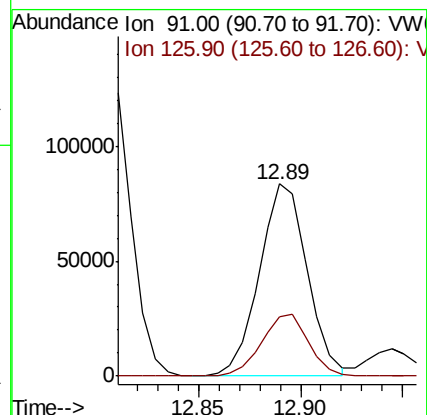
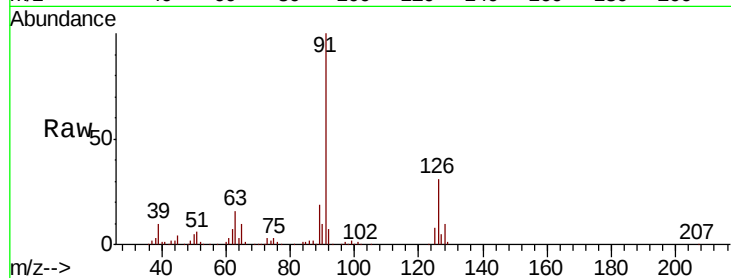
ClientSampleId :

Tot Ion: 91 Resp: 135733

Ion Ratio Lower Upper

91 100

126 31.8 15.8 47.3



#80

1,3,5-Trimethylbenzene

Concen: 18.265 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011349.D

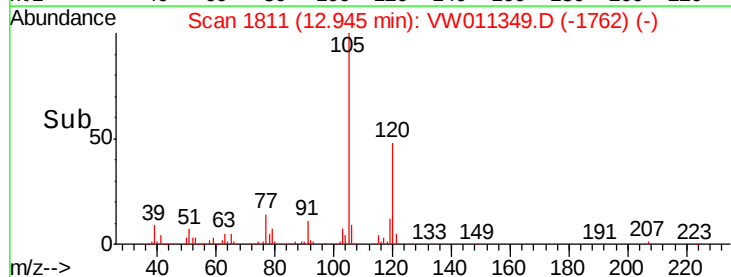
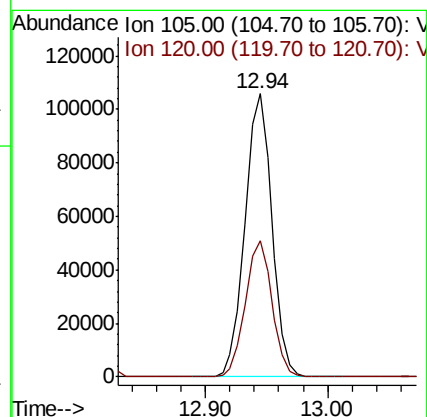
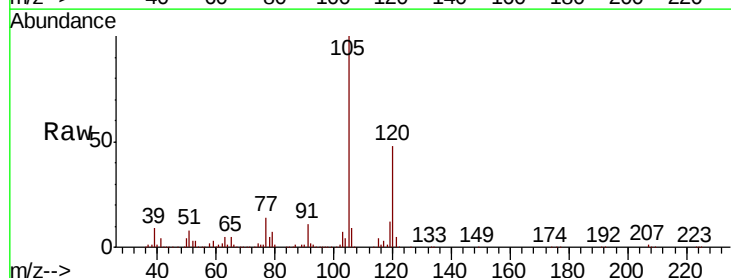
Acq: 18 Jul 2019 23:22

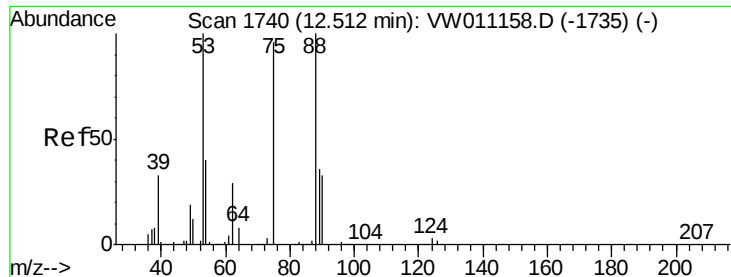
Tgt Ion:105 Resp: 161603

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.555 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampled :

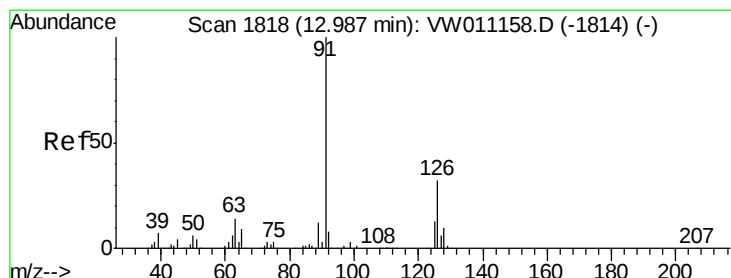
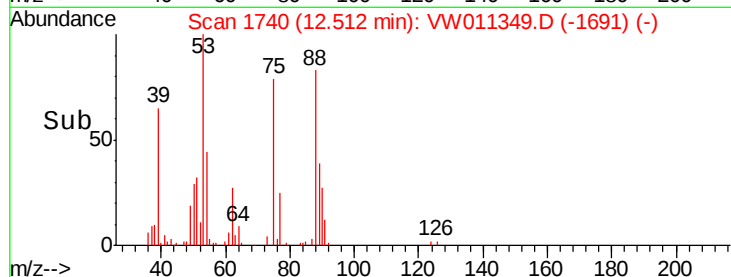
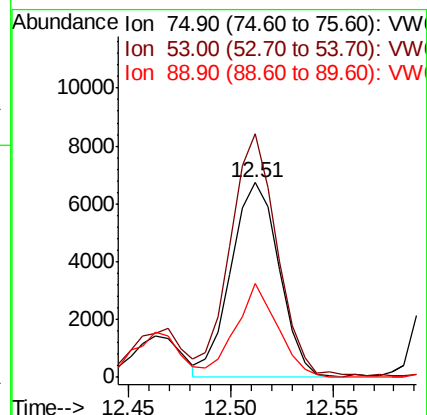
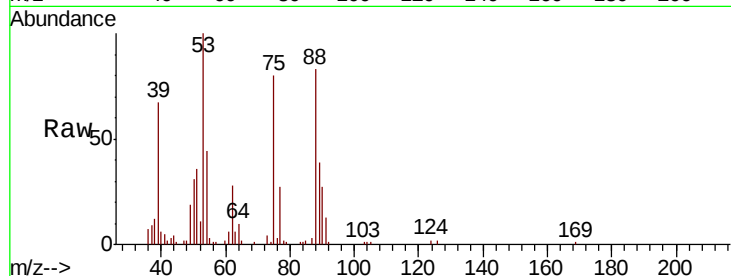
Tot Ion: 75 Resp: 11072

Ion Ratio Lower Upper

75 100

53 119.9 89.8 134.6

89 41.6 34.3 51.5



#82

4-Chlorotoluene

Concen: 18.795 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011349.D

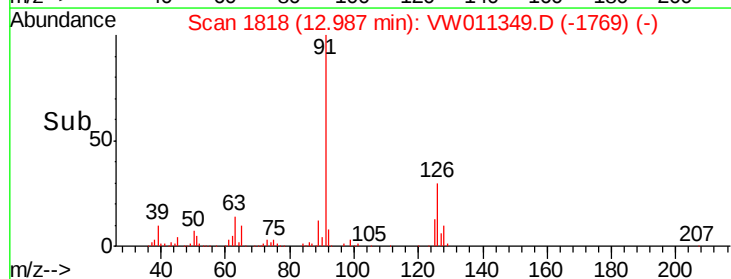
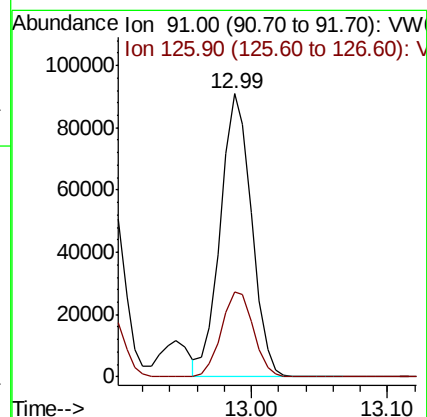
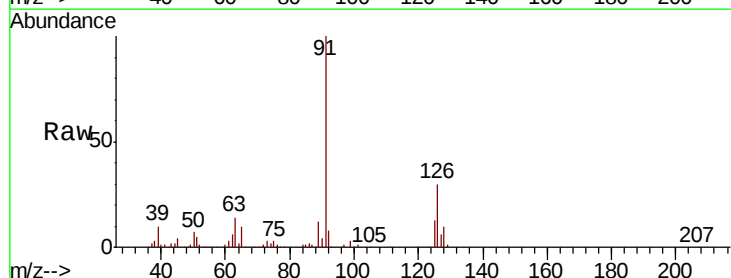
Acq: 18 Jul 2019 23:22

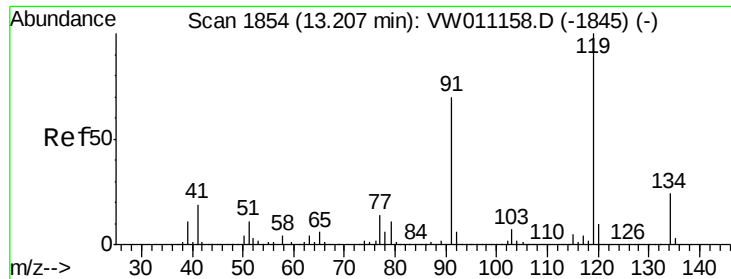
Tgt Ion: 91 Resp: 144525

Ion Ratio Lower Upper

91 100

126 30.7 15.7 47.1

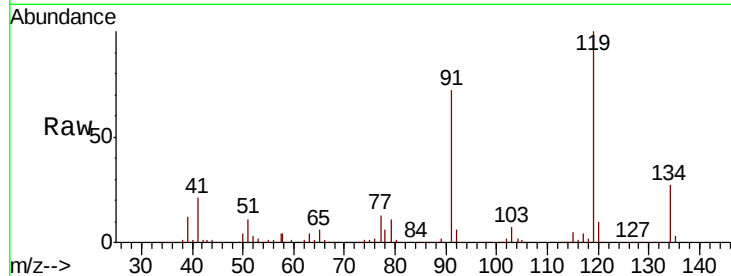




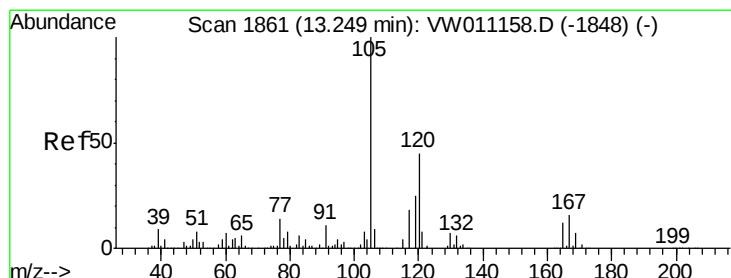
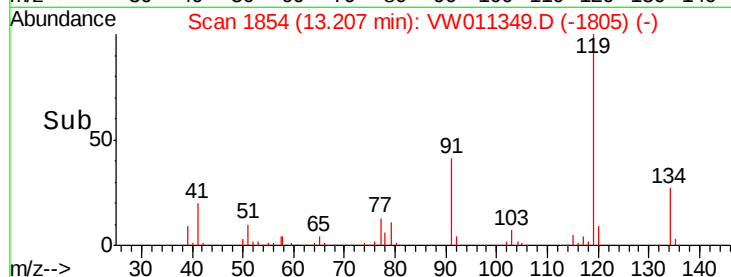
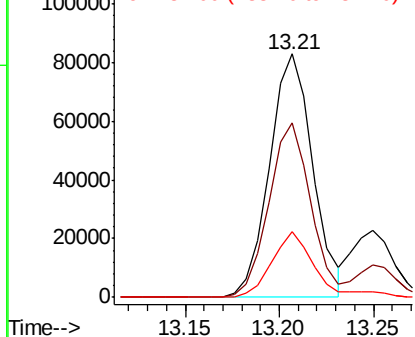
#83
tert-Butylbenzene
Concen: 17.854 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 131743
Ion Ratio Lower Upper
119 100
91 69.5 35.4 106.3
134 25.3 13.4 40.2

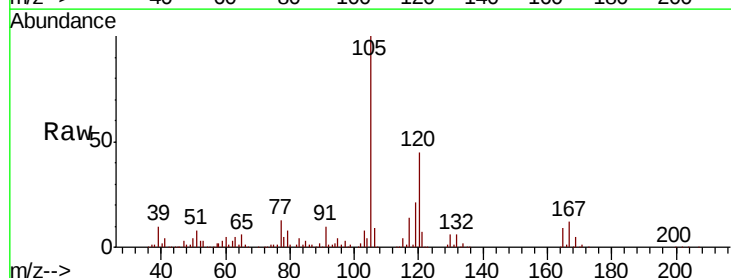


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

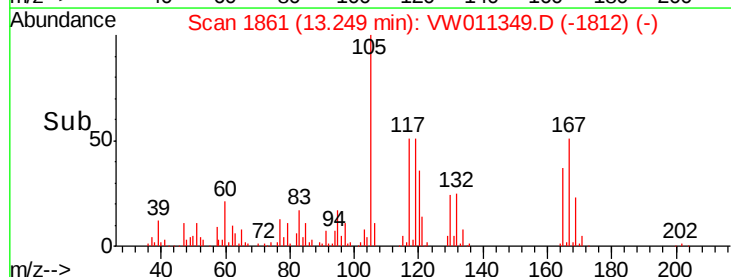
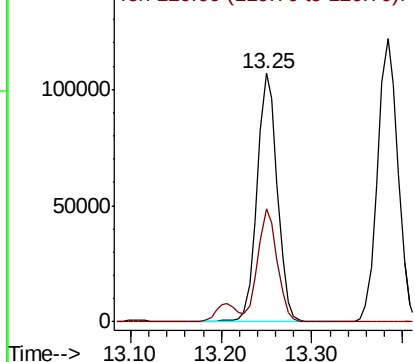


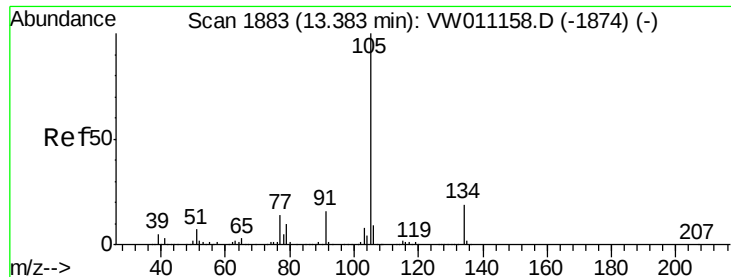
#84
1,2,4-Trimethylbenzene
Concen: 18.607 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion:105 Resp: 165310
Ion Ratio Lower Upper
105 100
120 43.6 22.3 66.9



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





#85

sec-Butylbenzene

Concen: 17.746 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

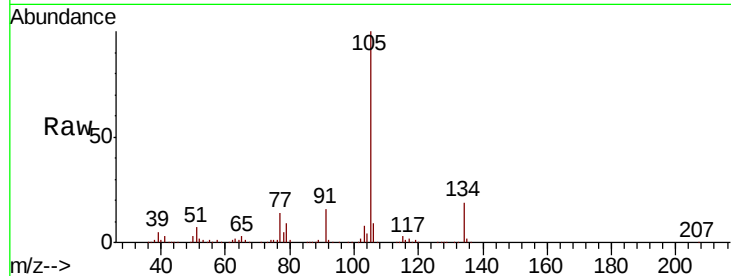
ClientSampled :

Tot Ion:105 Resp: 188948

Ion Ratio Lower Upper

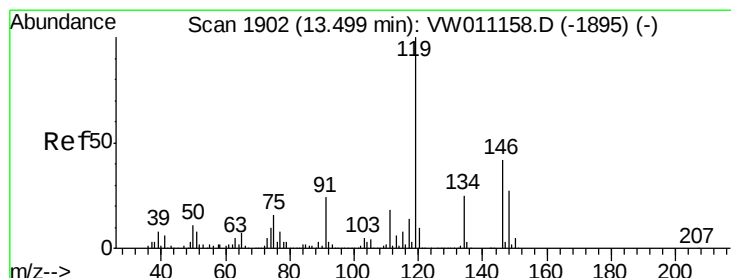
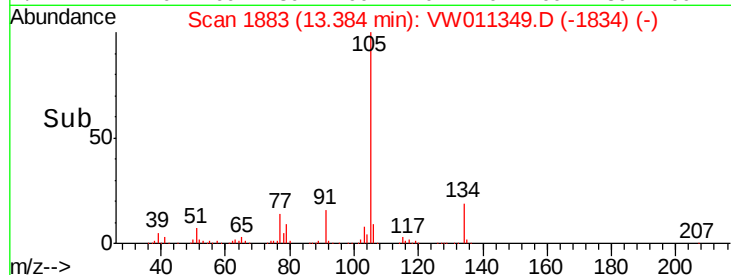
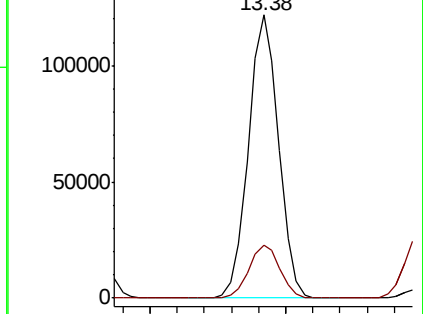
105 100

134 19.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.047 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

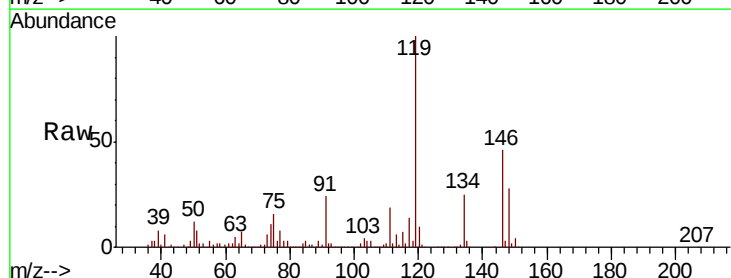
Tgt Ion:119 Resp: 172344

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

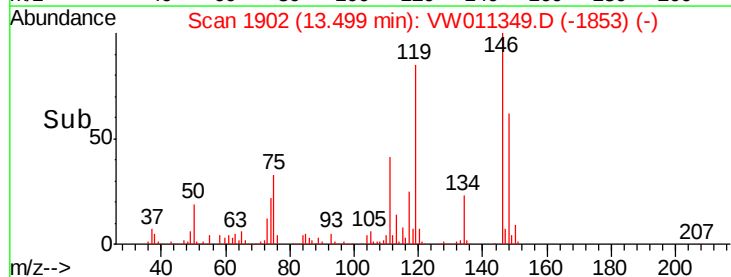
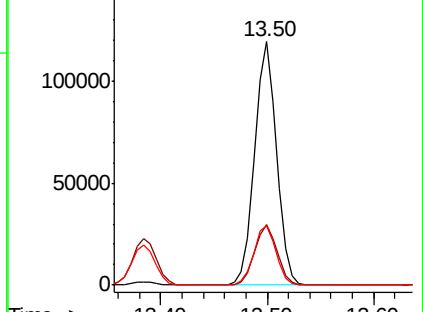
91 25.0 12.3 36.8

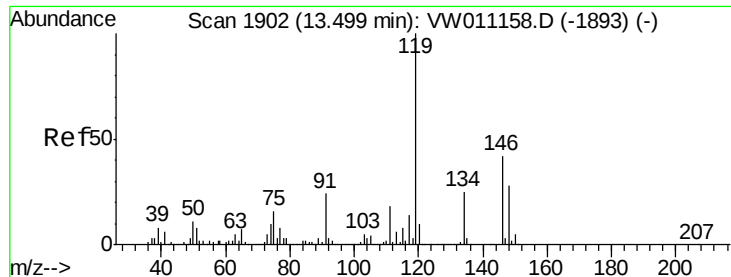


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.148 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

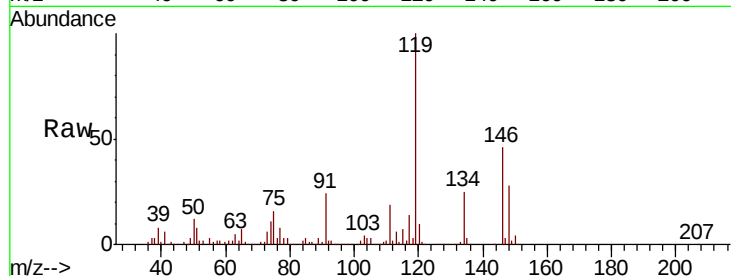
Tot Ion:146 Resp: 86103

Ion Ratio Lower Upper

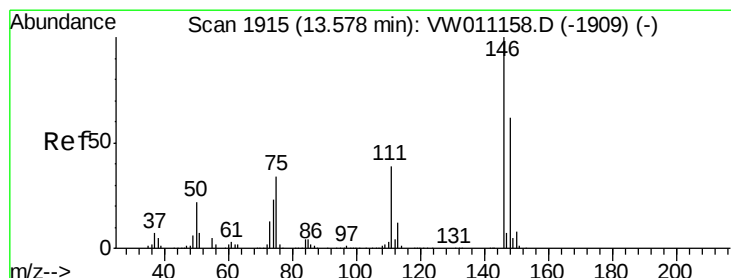
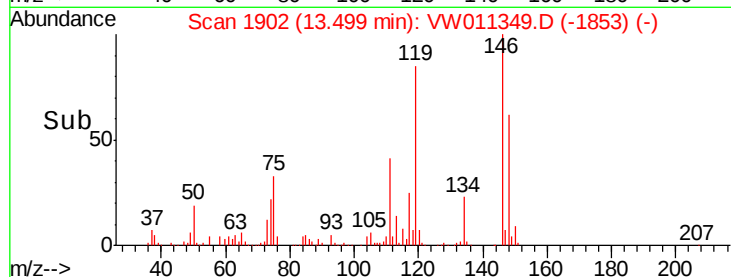
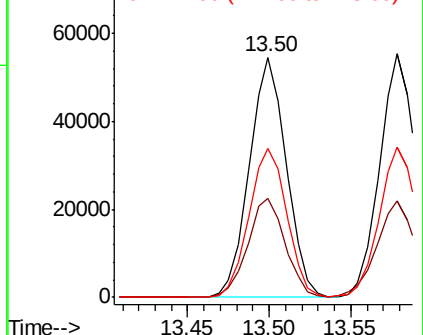
146 100

111 41.8 21.1 63.1

148 63.4 32.6 97.7



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



#88

1,4-Dichlorobenzene

Concen: 18.958 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

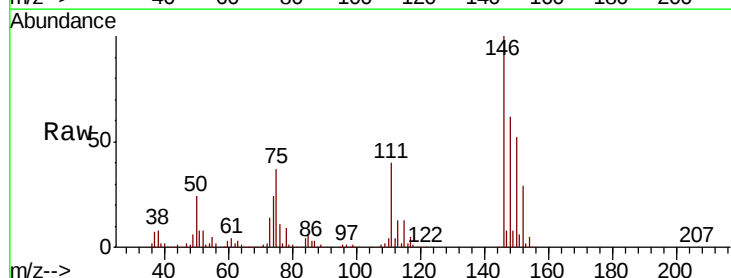
Tgt Ion:146 Resp: 85846

Ion Ratio Lower Upper

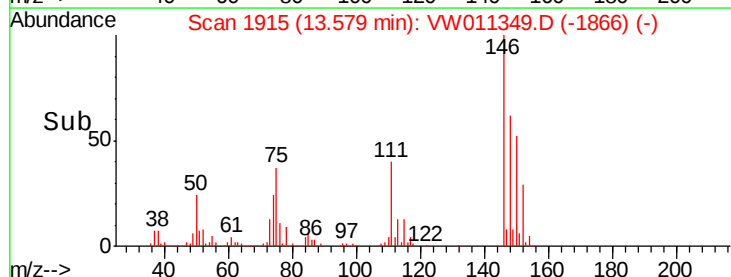
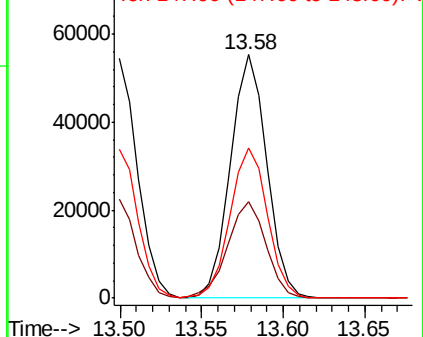
146 100

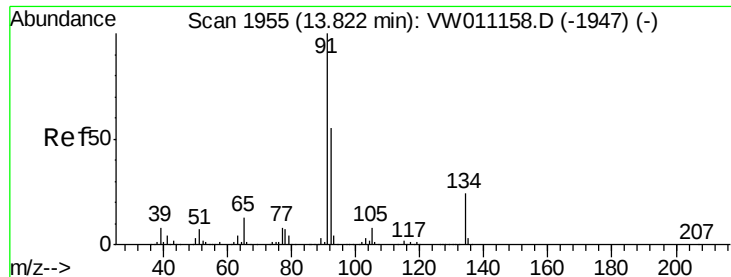
111 41.8 19.9 59.7

148 63.8 31.5 94.5



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





#89

n-Butylbenzene

Concen: 17.676 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampled :

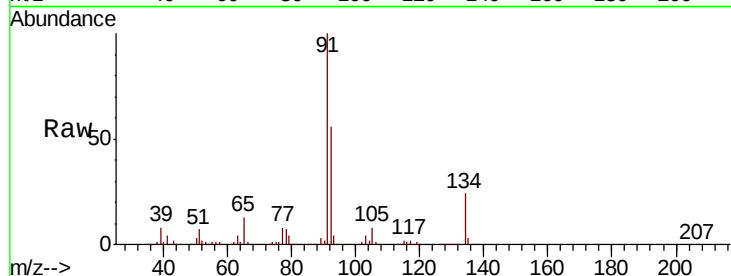
Tot Ion: 91 Resp: 168392

Ion Ratio Lower Upper

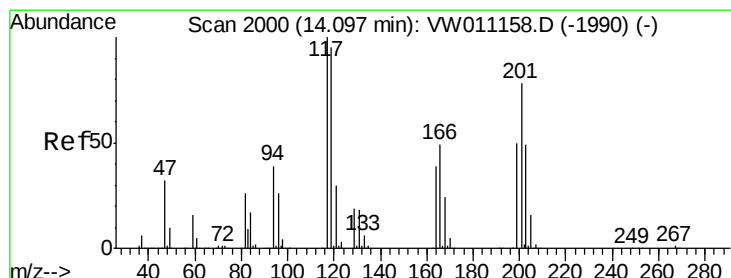
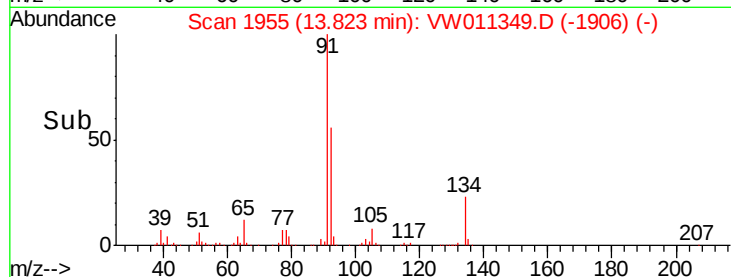
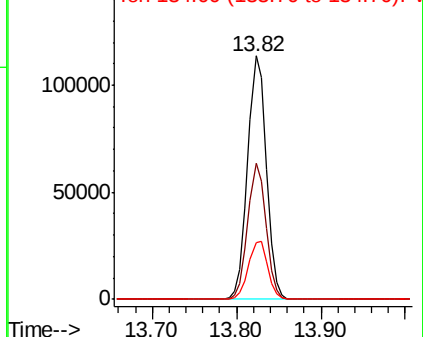
91 100

92 54.3 26.9 80.7

134 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 16.573 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011349.D

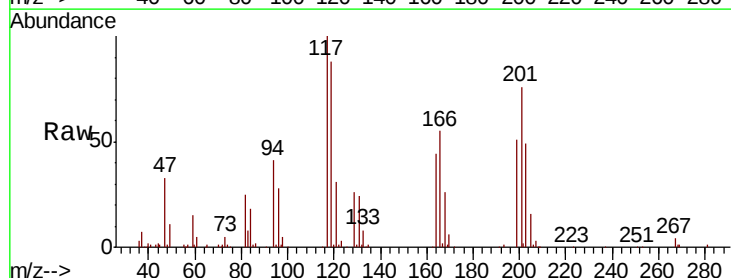
Acq: 18 Jul 2019 23:22

Tgt Ion: 117 Resp: 28922

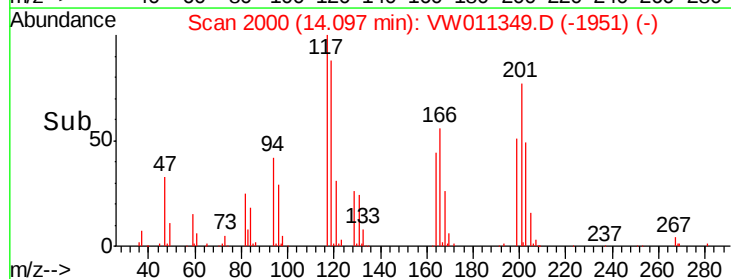
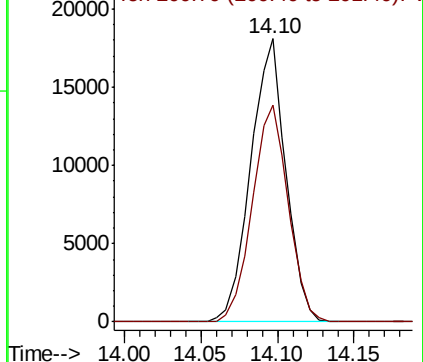
Ion Ratio Lower Upper

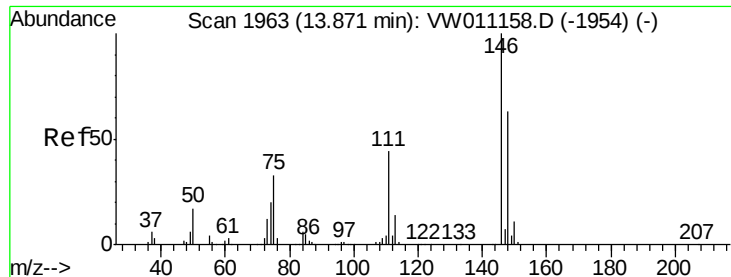
117 100

201 78.0 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.119 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

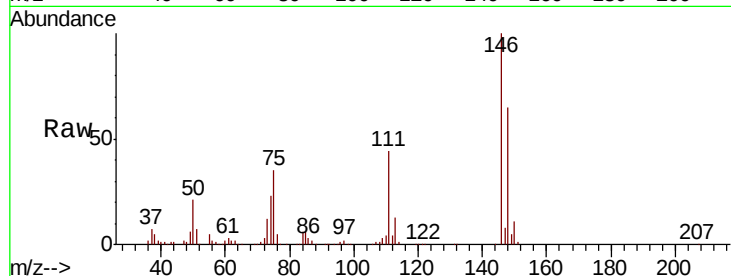
Tot Ion:146 Resp: 77995

Ion Ratio Lower Upper

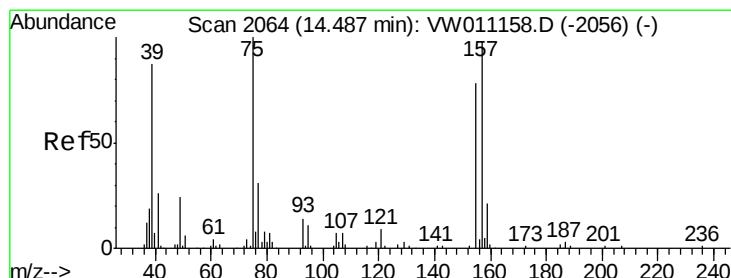
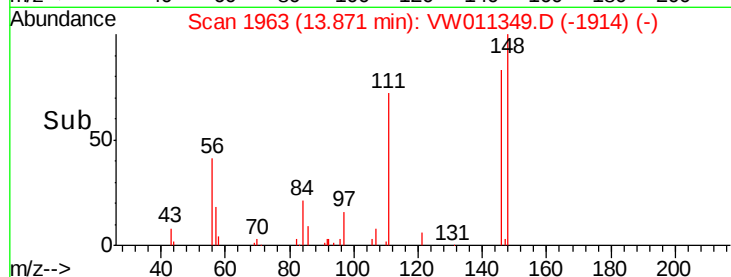
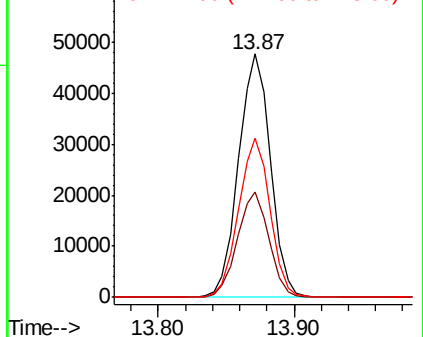
146 100

111 42.6 21.6 65.0

148 64.3 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.813 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

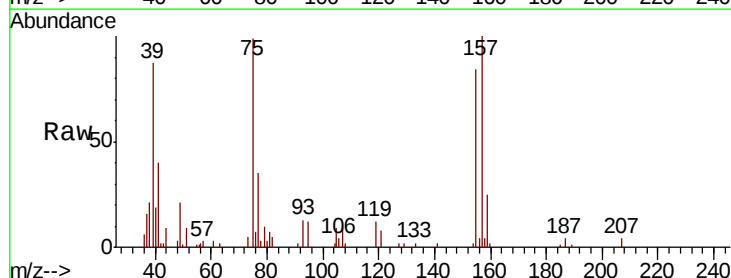
Tgt Ion: 75 Resp: 7124

Ion Ratio Lower Upper

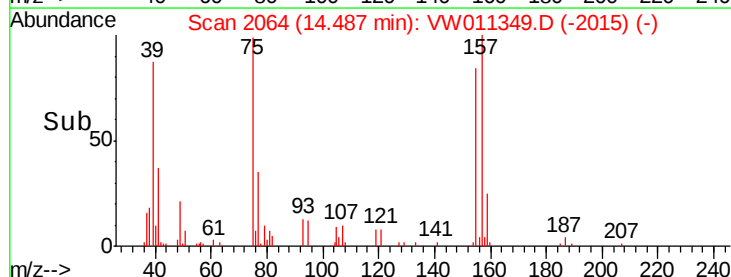
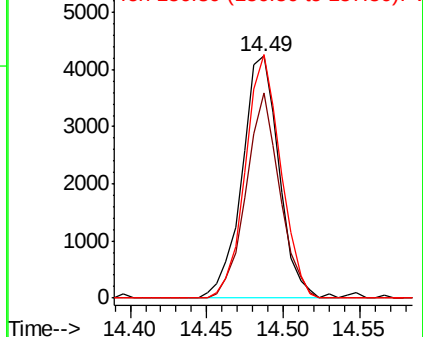
75 100

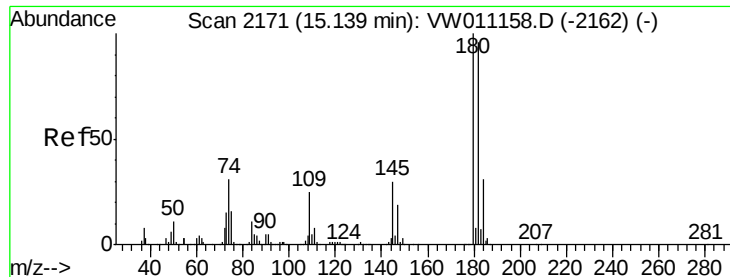
155 77.1 37.1 111.3

157 95.5 48.5 145.6



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

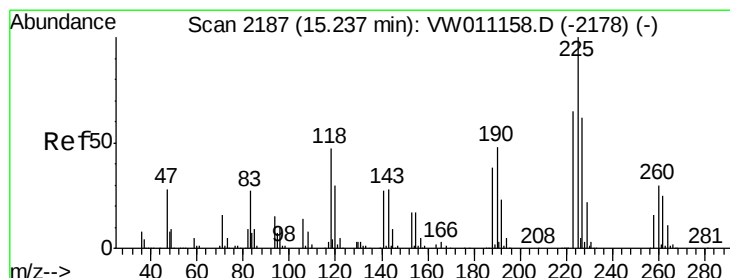
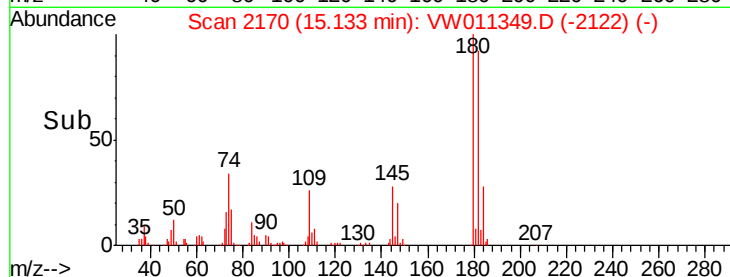
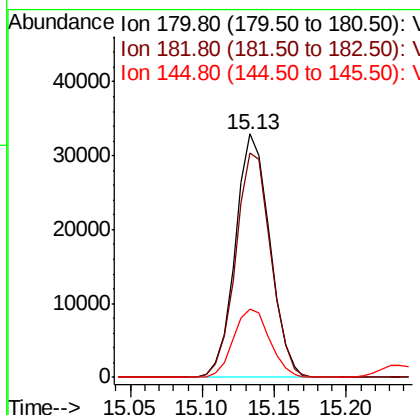
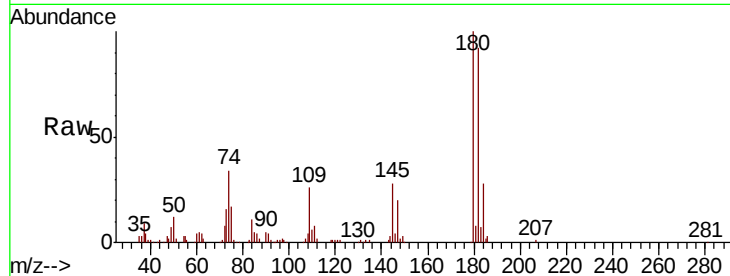




#93
 1,2,4-Trichlorobenzene
 Concen: 19.496 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

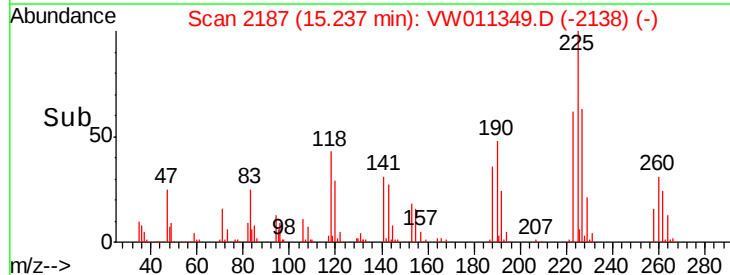
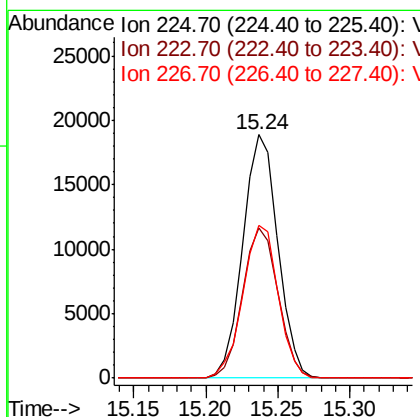
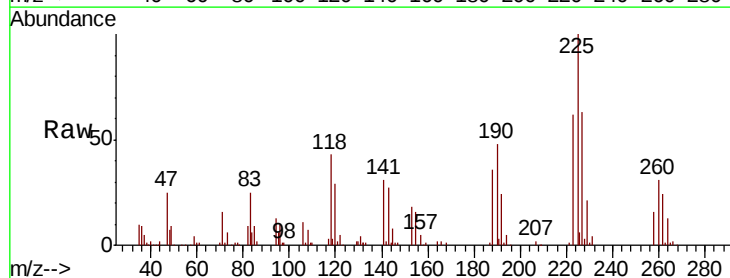
Instrument :
 MSVOA_W
 ClientSampleId :

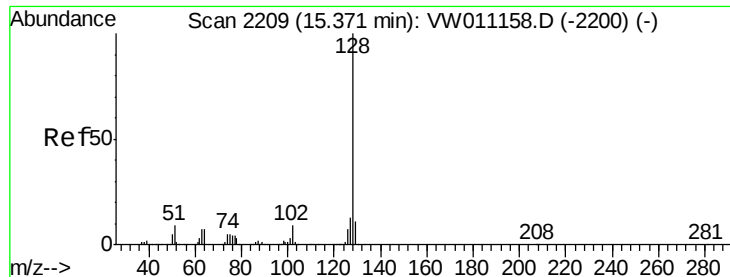
Tot Ion:180 Resp: 54782
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.3 144.9
 145 29.7 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 18.402 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion:225 Resp: 31746
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.6 95.0
 227 63.3 32.0 96.0

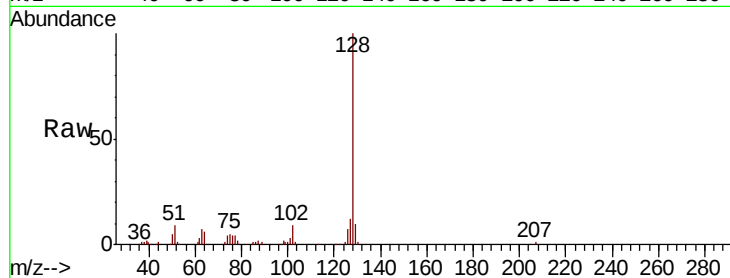




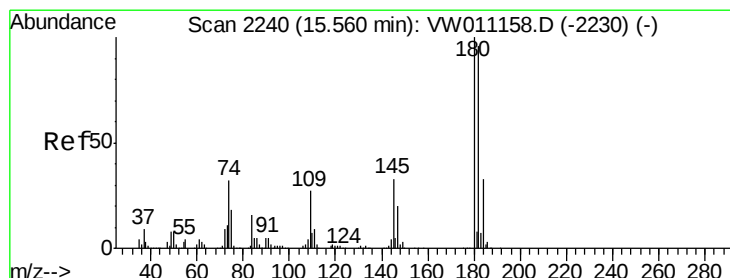
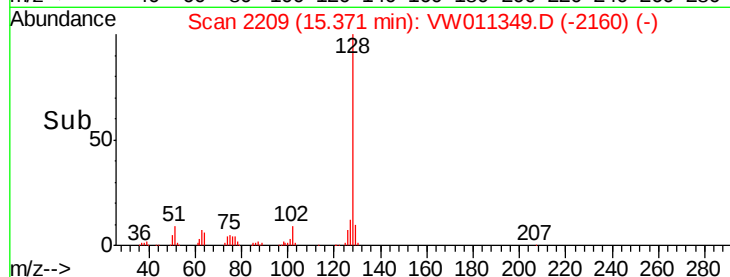
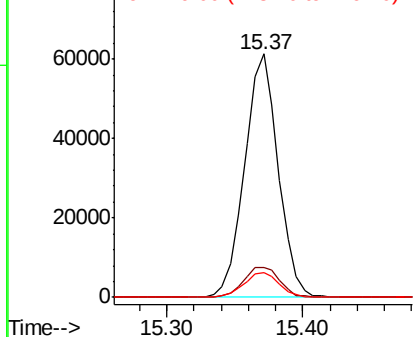
#95
Naphthalene
Concen: 19.646 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 105785
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.7 8.7 13.1

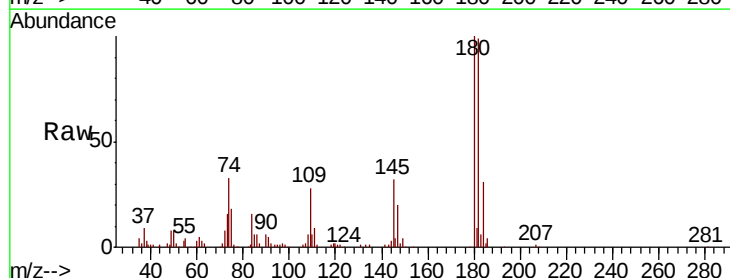


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.641 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion:180 Resp: 48707
Ion Ratio Lower Upper
180 100
182 96.8 47.6 142.8
145 32.0 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

