

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010342.D
 Acq On : 09 May 2019 17:48
 Operator : SY/VA
 Sample : VW0509SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 10 02:23:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1446088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2375613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2176268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1100080	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	819324	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
35) Dibromofluoromethane	7.88	113	714125	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	10.32	98	2857024	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.62	95	1045933	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	193319	17.695	ug/l	98
3) Chloromethane	2.21	50	265287	17.921	ug/l	95
4) Vinyl Chloride	2.37	62	343784	18.687	ug/l	98
5) Bromomethane	2.78	94	200924	18.940	ug/l	97
6) Chloroethane	2.92	64	204726	19.243	ug/l	95
7) Trichlorofluoromethane	3.25	101	149037	16.183	ug/l	98
8) Diethyl Ether	3.67	74	174780	21.588	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	288874	19.143	ug/l	98
10) Methyl Iodide	4.26	142	419854	19.647	ug/l	94
11) Tert butyl alcohol	5.18	59	107029	98.579	ug/l	100
12) 1,1-Dichloroethene	4.03	96	302939	19.212	ug/l	97
13) Acrolein	3.89	56	122309	85.326	ug/l	94
14) Allyl chloride	4.66	41	457917	19.454	ug/l	91
15) Acrylonitrile	5.36	53	411493	91.699	ug/l	98
16) Acetone	4.12	43	372275	92.886	ug/l	93
17) Carbon Disulfide	4.38	76	889515	18.652	ug/l	99
18) Methyl Acetate	4.67	43	186911	18.828	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	416994	22.214	ug/l	98
20) Methylene Chloride	4.92	84	341296	20.417	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	338533	19.945	ug/l	94
22) Diisopropyl ether	6.31	45	1070251	23.428	ug/l	94
23) Vinyl Acetate	6.25	43	3398091	108.332	ug/l	96
24) 1,1-Dichloroethane	6.21	63	643114	20.910	ug/l	99
25) 2-Butanone	7.17	43	583494	95.167	ug/l	99
26) 2,2-Dichloropropane	7.17	77	306797	20.049	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	365443	20.936	ug/l	97
28) Bromochloromethane	7.51	49	284038	25.050	ug/l	98
29) Tetrahydrofuran	7.53	42	377580	95.211	ug/l	97
30) Chloroform	7.67	83	613023	21.298	ug/l	100
31) Cyclohexane	7.95	56	615215	19.536	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	446887	20.044	ug/l	100
36) 1,1-Dichloropropene	8.08	75	500154	19.417	ug/l	100
37) Ethyl Acetate	7.25	43	255691	18.644	ug/l	97
38) Carbon Tetrachloride	8.07	117	424517	19.226	ug/l	97

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Quant Time: May 10 02:23:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	594611	18.870	ug/l	97
40) Benzene	8.32	78	1433027	20.314	ug/l	99
41) Methacrylonitrile	7.49	41	141299	18.371	ug/l	94
42) 1,2-Dichloroethane	8.40	62	432389	21.414	ug/l	97
43) Isopropyl Acetate	8.43	43	452852	19.910	ug/l	97
44) Trichloroethene	9.09	130	349076	19.766	ug/l	95
45) 1,2-Dichloropropane	9.37	63	376794	21.488	ug/l	96
46) Dibromomethane	9.46	93	188274	20.784	ug/l	98
47) Bromodichloromethane	9.64	83	456667	21.016	ug/l	97
48) Methyl methacrylate	9.44	41	212638	19.772	ug/l	87
49) 1,4-Dioxane	9.45	88	63229	400.248	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	1288773	98.815	ug/l	95
52) Toluene	10.38	92	909954	21.104	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	465848	21.165	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	553721	21.242	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	267984	20.828	ug/l	97
56) Ethyl methacrylate	10.65	69	355822	20.943	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	486725	21.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	885516	108.856	ug/l	99
59) 2-Hexanone	10.97	43	889381	96.448	ug/l	94
60) Dibromochloromethane	11.13	129	287702	20.780	ug/l	98
61) 1,2-Dibromoethane	11.24	107	255491	20.686	ug/l	99
64) Tetrachloroethene	10.86	164	294363	19.352	ug/l	97
65) Chlorobenzene	11.66	112	925056	20.534	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	318553	20.921	ug/l	97
67) Ethyl Benzene	11.73	91	1710311	20.637	ug/l	98
68) m/p-Xylenes	11.84	106	1269897	41.242	ug/l	99
69) o-Xylene	12.16	106	575829	20.673	ug/l	99
70) Styrene	12.18	104	1026049	21.141	ug/l	99
71) Bromoform	12.35	173	167625	19.258	ug/l #	97
73) Isopropylbenzene	12.47	105	1577338	19.671	ug/l	100
74) N-amyl acetate	12.27	43	423346	20.436	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	345803	19.573	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	427317	33.316	ug/l #	100
77) Bromobenzene	12.75	156	363617	20.083	ug/l	95
78) n-propylbenzene	12.80	91	1993567	20.130	ug/l	100
79) 2-Chlorotoluene	12.90	91	1133453	20.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1402535	20.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	103524	18.228	ug/l	93
82) 4-Chlorotoluene	12.99	91	1195719	20.235	ug/l	99
83) tert-Butylbenzene	13.21	119	1110172	19.689	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1449417	21.577	ug/l	99
85) sec-Butylbenzene	13.38	105	1644695	19.759	ug/l	100
86) p-Isopropyltoluene	13.50	119	1484373	20.085	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	772438	21.366	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	734897	20.483	ug/l	99
89) n-Butylbenzene	13.83	91	1468967	19.823	ug/l	98
90) Hexachloroethane	14.10	117	257179	18.762	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	685006	21.404	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	57373	18.033	ug/l	96

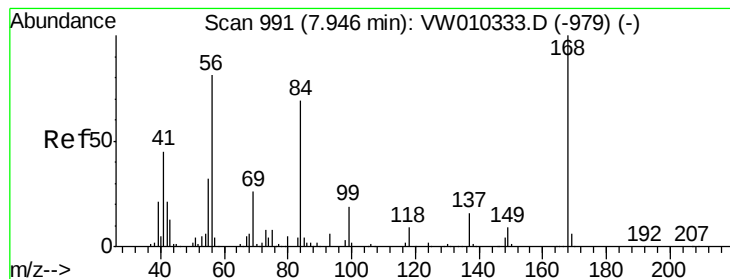
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
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Quant Title : SW846 8260
QLast Update : Thu May 09 13:55:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	491408	22.498	ug/l	99
94) Hexachlorobutadiene	15.24	225	270604	19.325	ug/l	99
95) Naphthalene	15.37	128	895049	20.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	414646	21.014	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

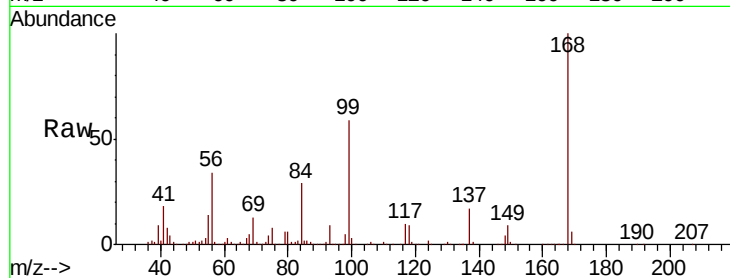
ClientSampleId :

Tot Ion:168 Resp: 1446088

Ion Ratio Lower Upper

168 100

99 59.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

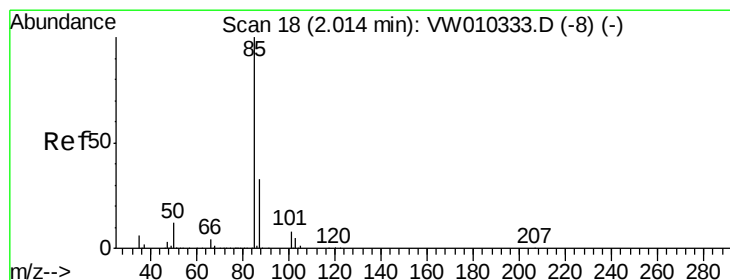
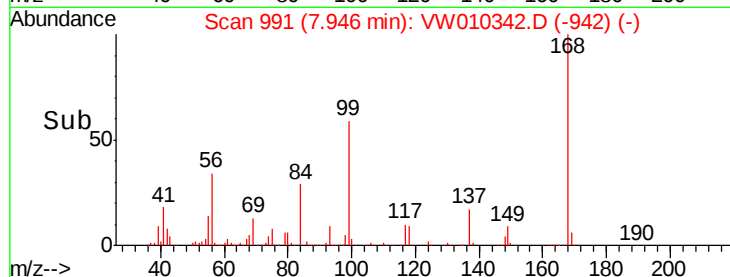
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.695 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010342.D

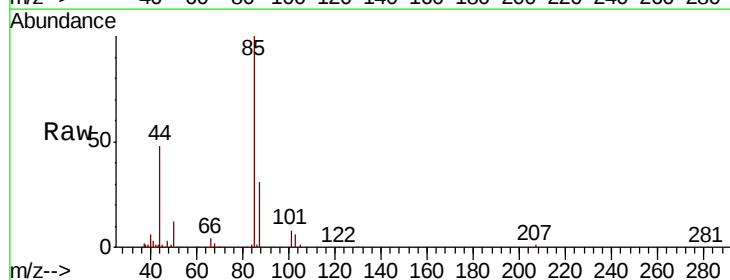
Acq: 09 May 2019 17:48

Tgt Ion: 85 Resp: 193319

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

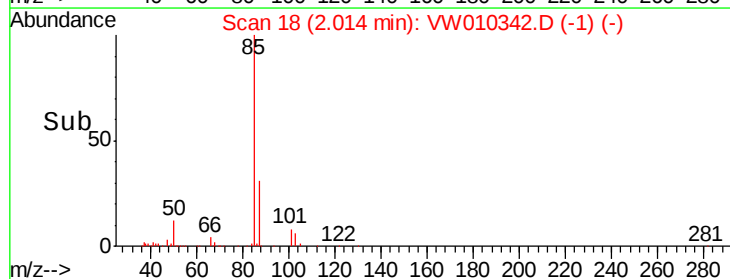
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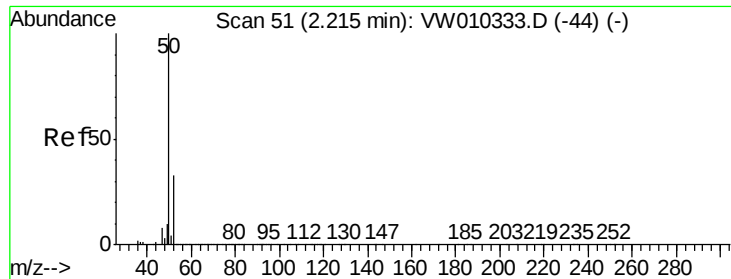
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Time-->

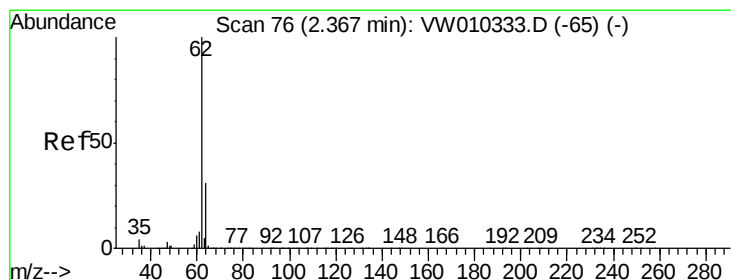
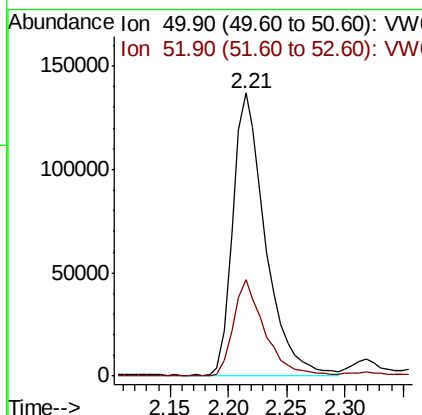
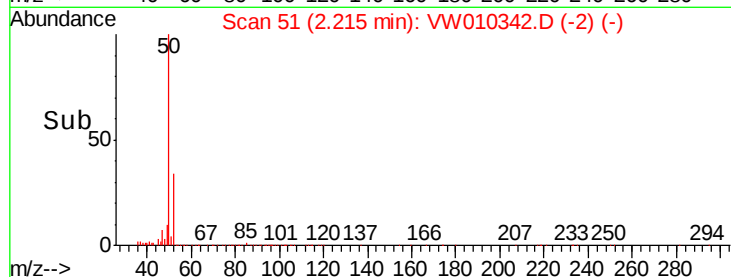
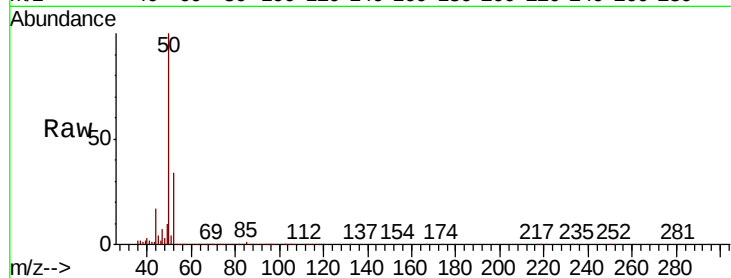




#3
Chloromethane
Concen: 17.921 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

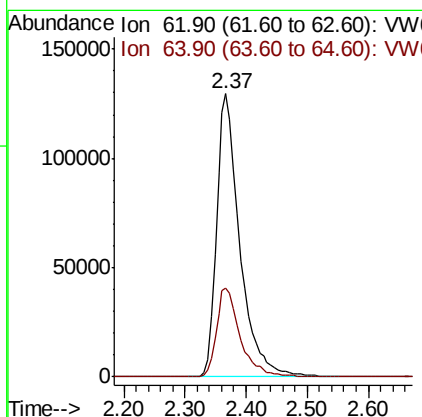
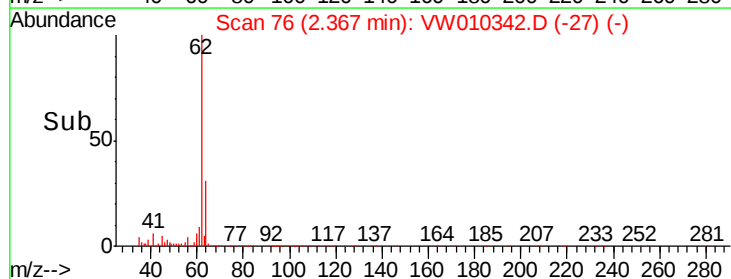
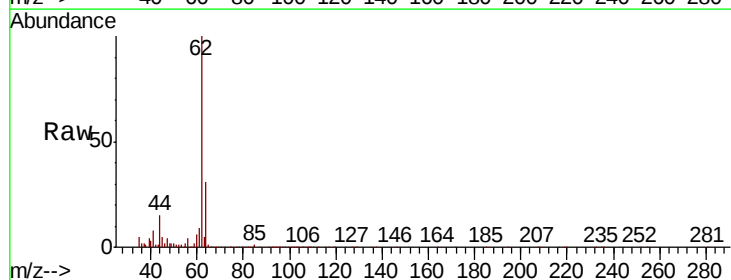
Instrument :
MSVOA_W
ClientSampled :

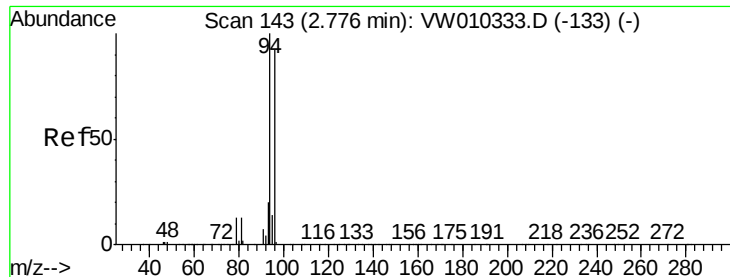
Tot Ion: 50 Resp: 265287
Ion Ratio Lower Upper
50 100
52 34.2 25.0 37.6



#4
Vinyl Chloride
Concen: 18.687 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 62 Resp: 343784
Ion Ratio Lower Upper
62 100
64 31.3 25.9 38.9





#5

Bromomethane

Concen: 18.940 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

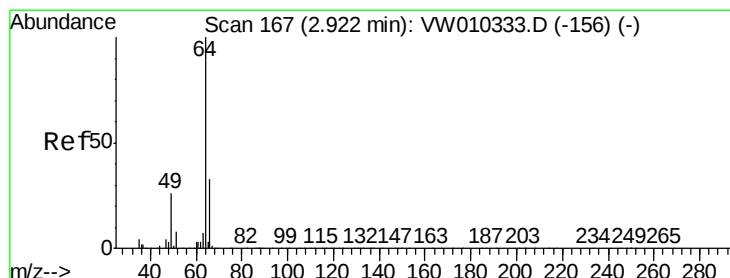
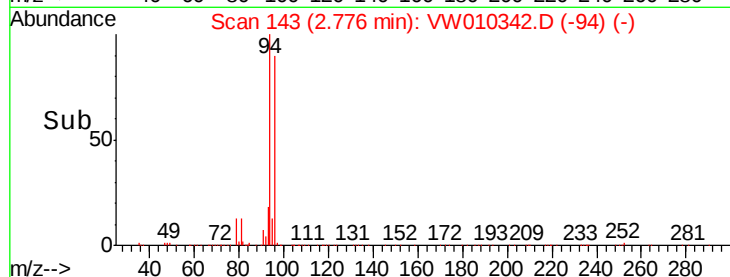
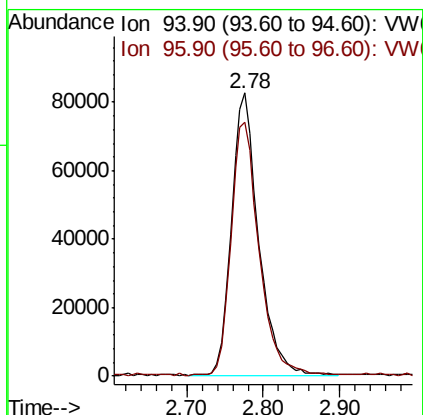
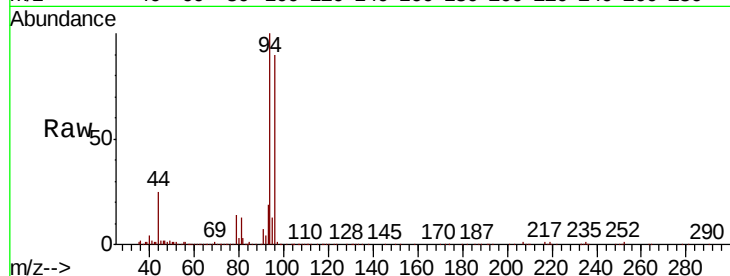
ClientSampleId :

Tot Ion: 94 Resp: 200924

Ion Ratio Lower Upper

94 100

96 89.6 74.2 111.2



#6

Chloroethane

Concen: 19.243 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010342.D

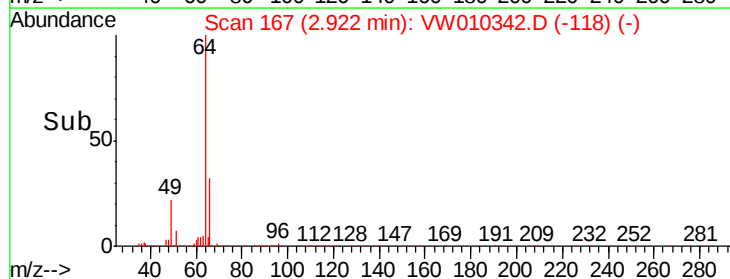
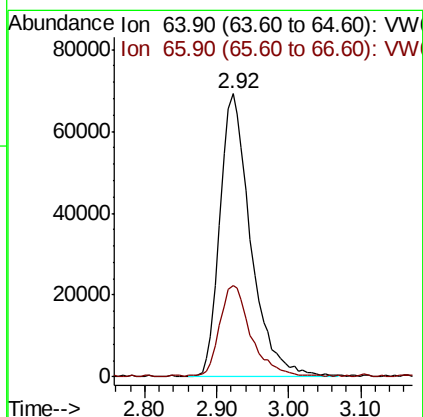
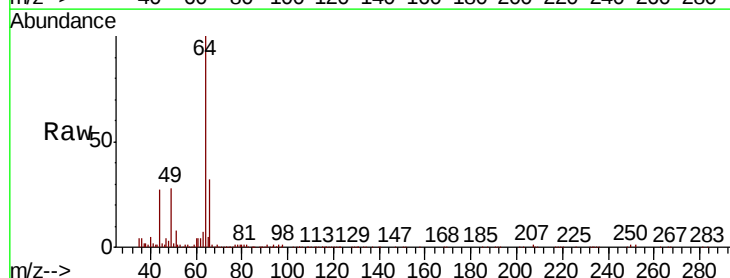
Acq: 09 May 2019 17:48

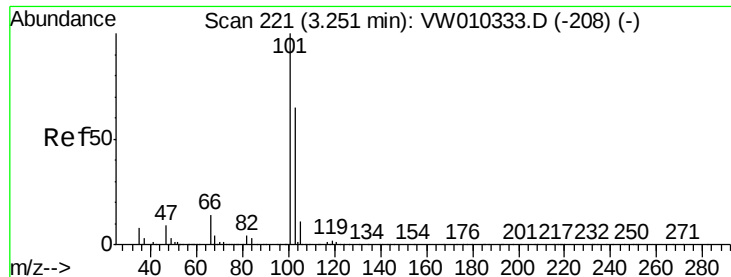
Tgt Ion: 64 Resp: 204726

Ion Ratio Lower Upper

64 100

66 31.7 23.4 35.0



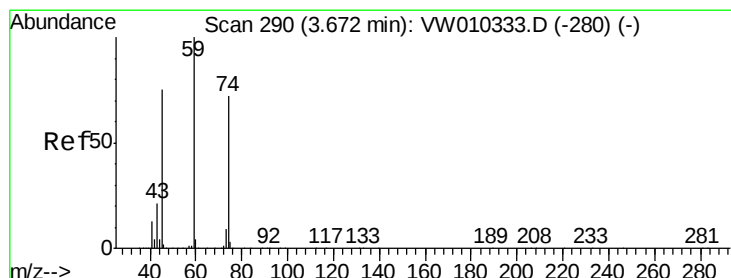
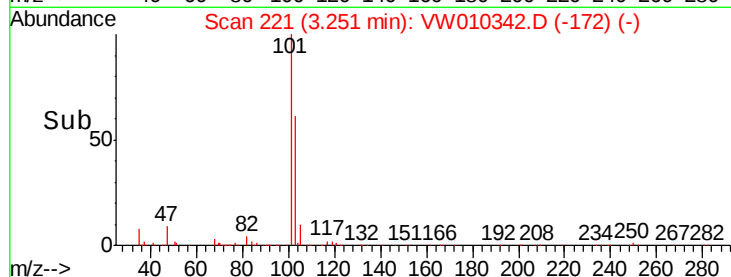
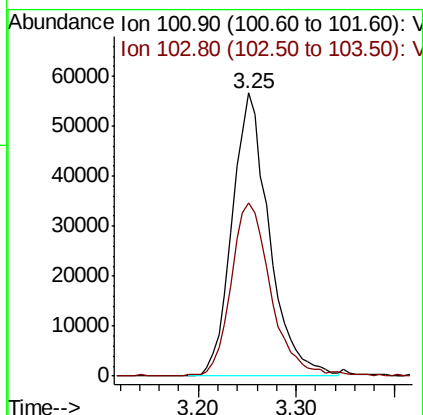
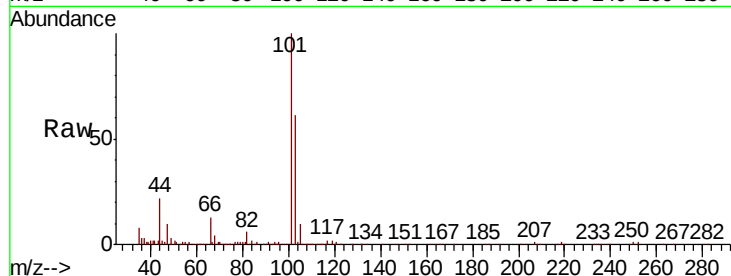


#7

Trichlorofluoromethane
Concen: 16.183 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :

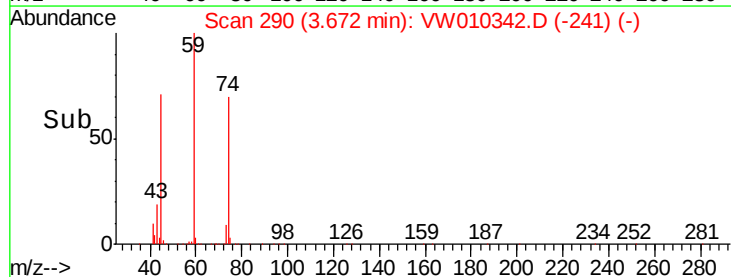
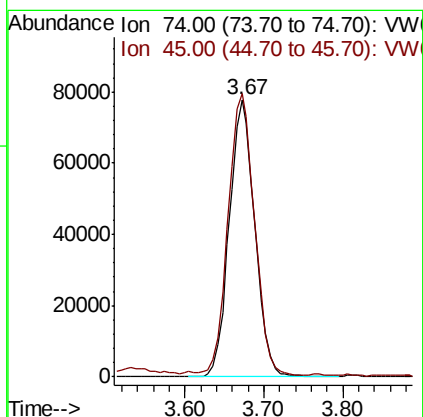
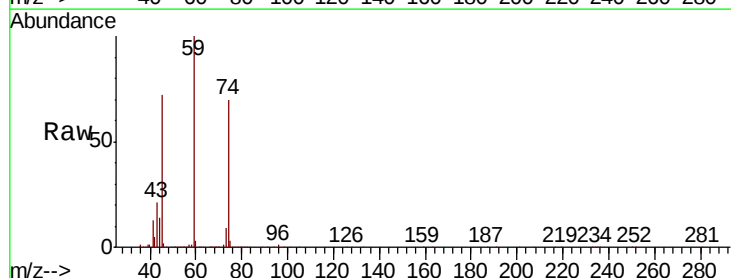
Tot Ion:101 Resp: 149037
Ion Ratio Lower Upper
101 100
103 60.9 49.8 74.6

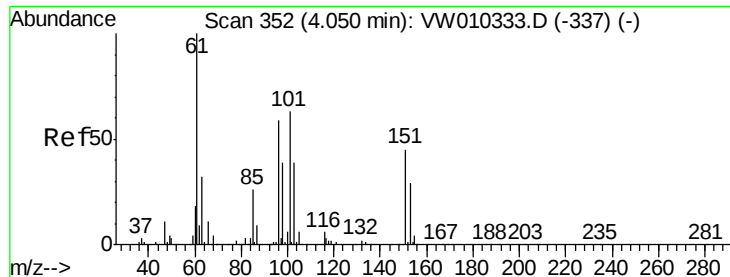


#8

Diethyl Ether
Concen: 21.588 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 74 Resp: 174780
Ion Ratio Lower Upper
74 100
45 104.7 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.143 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampled :

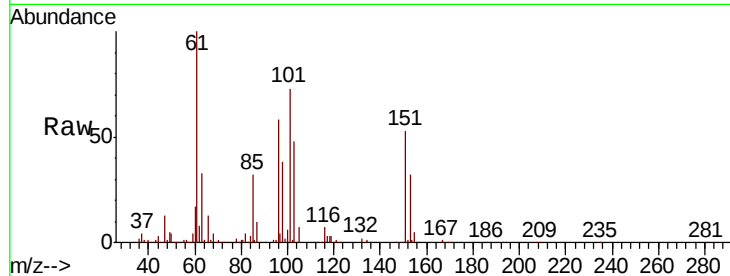
Tot Ion:101 Resp: 288874

Ion Ratio Lower Upper

101 100

85 43.9 36.3 54.5

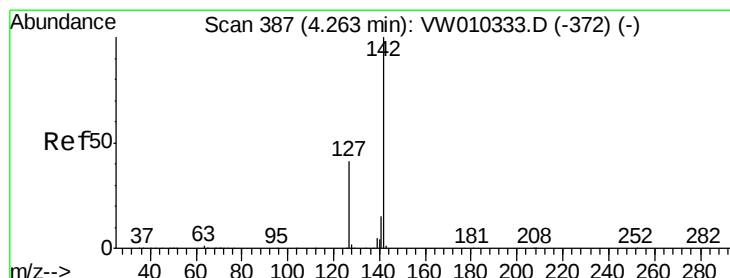
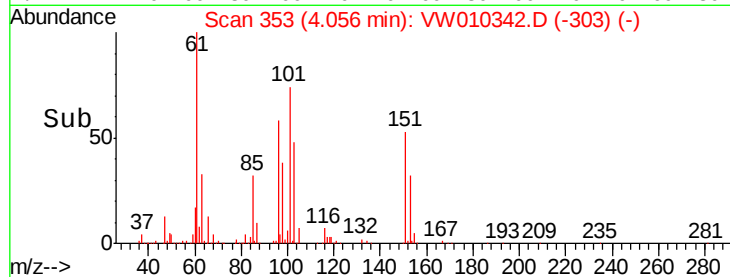
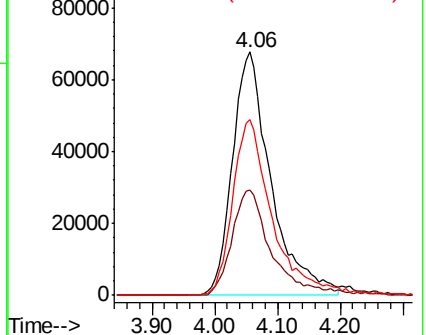
151 74.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.647 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

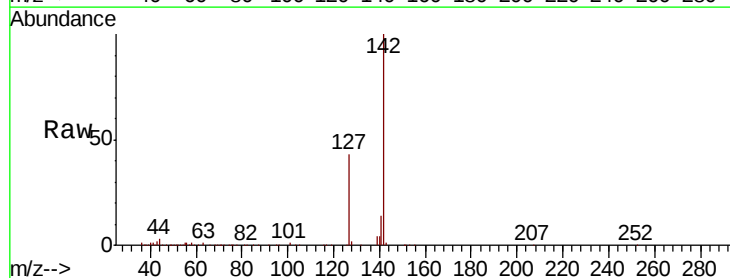
Tgt Ion:142 Resp: 419854

Ion Ratio Lower Upper

142 100

127 42.8 38.1 57.1

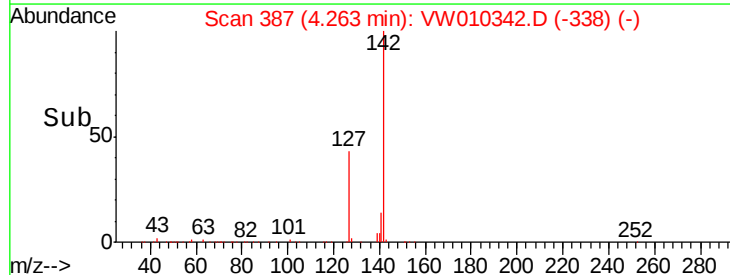
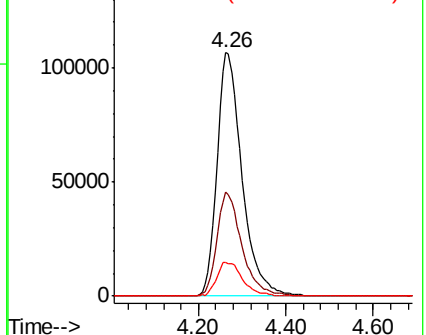
141 14.5 12.2 18.2

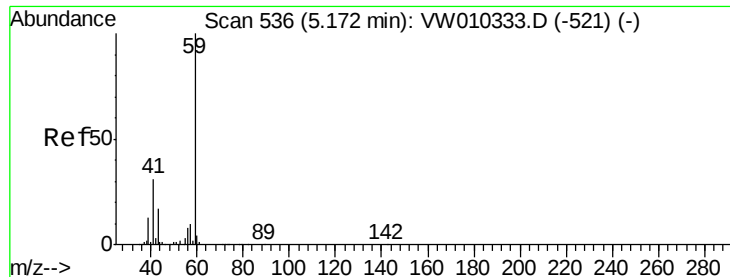


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



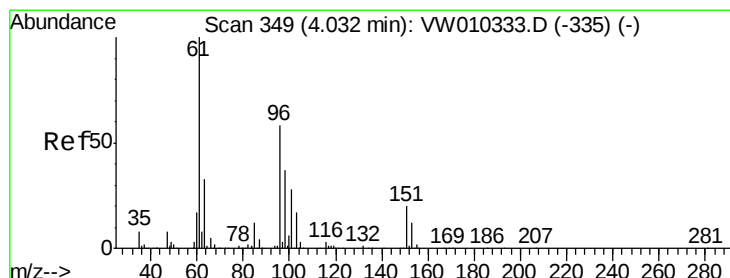
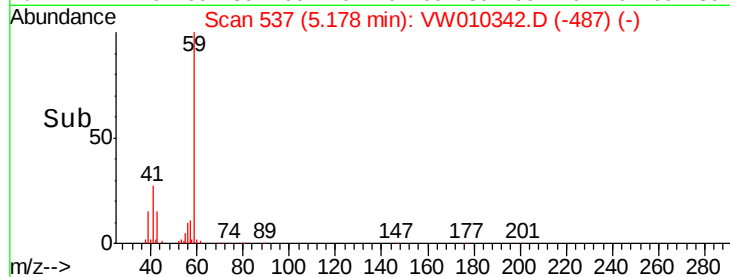
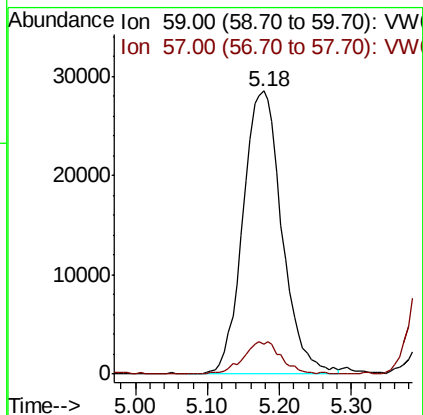
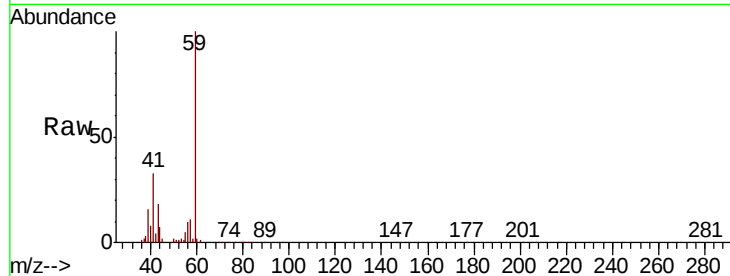


#11

Tert butyl alcohol
 Concen: 98.579 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010342.D
 Acq: 09 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :

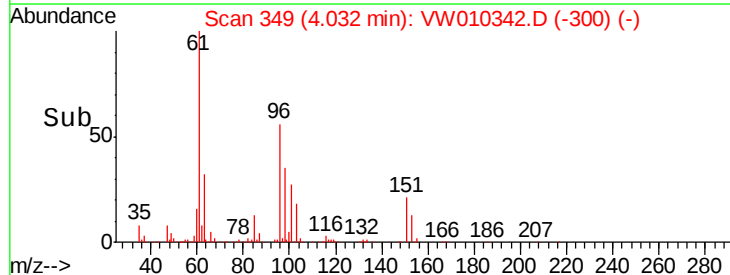
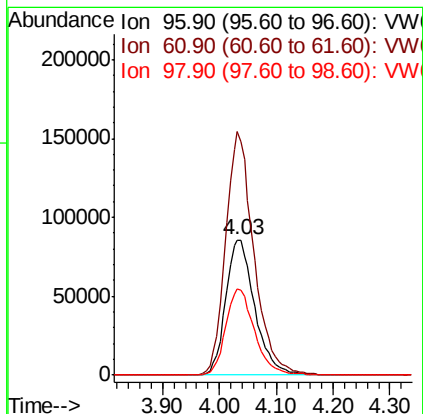
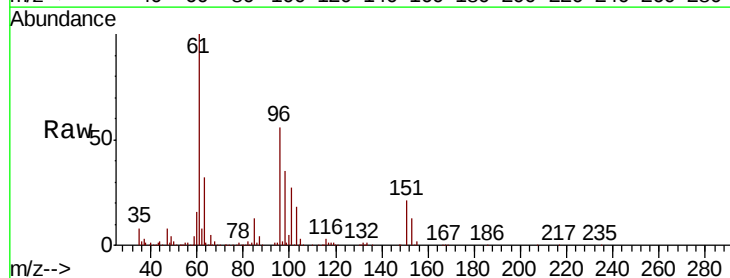
Tot Ion: 59 Resp: 107029
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.4

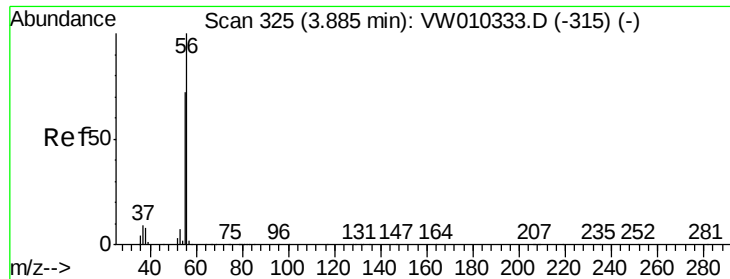


#12

1,1-Dichloroethene
 Concen: 19.212 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010342.D
 Acq: 09 May 2019 17:48

Tgt Ion: 96 Resp: 302939
 Ion Ratio Lower Upper
 96 100
 61 180.1 147.4 221.2
 98 63.4 49.7 74.5

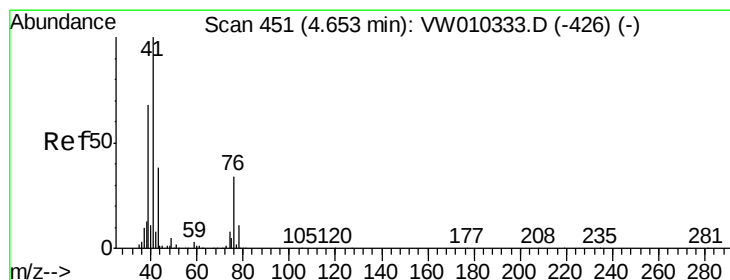
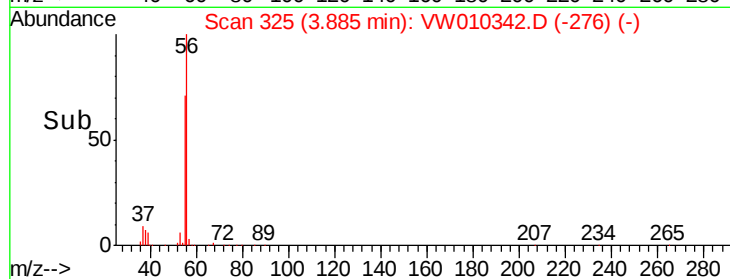
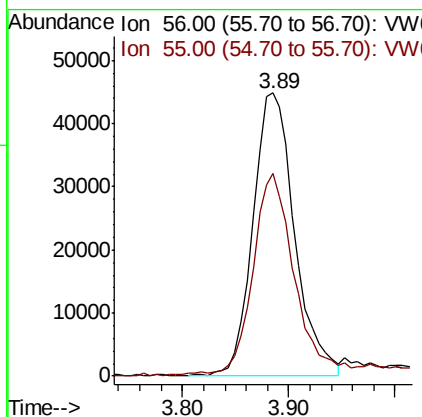
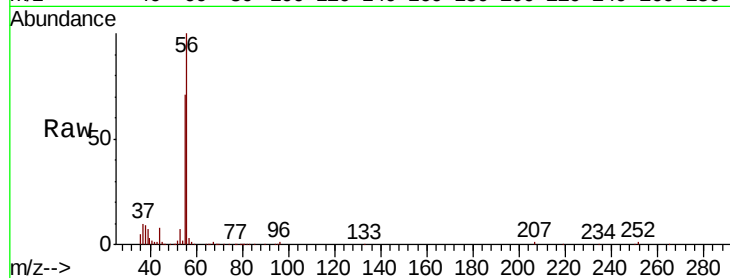




#13
Acrolein
Concen: 85.326 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

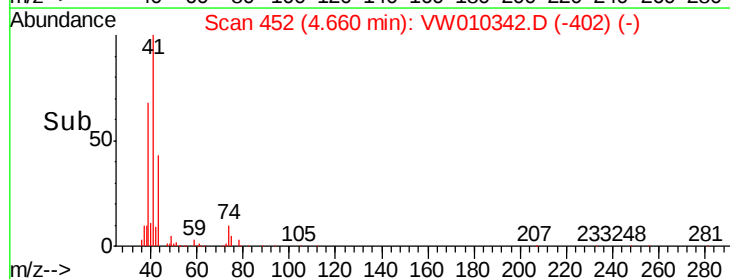
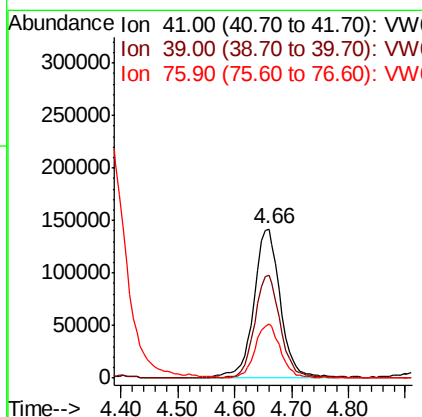
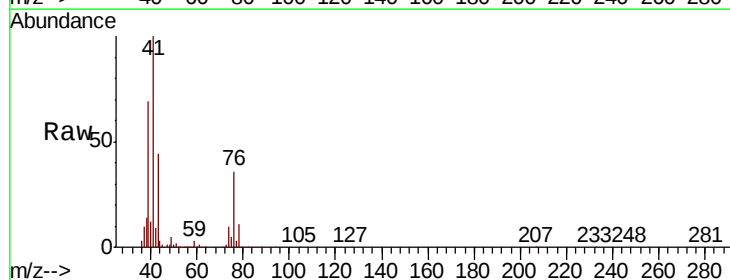
Instrument :
MSVOA_W
ClientSampled :

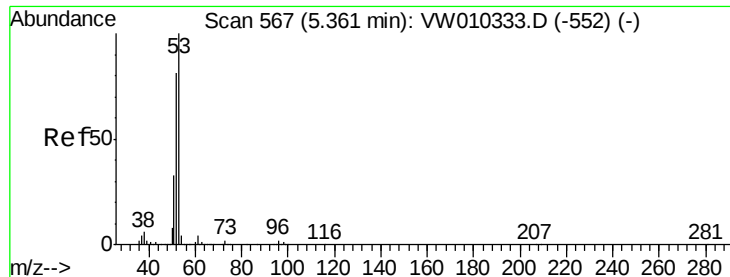
Tot Ion: 56 Resp: 122309
Ion Ratio Lower Upper
56 100
55 72.2 54.2 81.2



#14
Allyl chloride
Concen: 19.454 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 41 Resp: 457917
Ion Ratio Lower Upper
41 100
39 66.7 60.2 90.4
76 34.9 25.0 37.6





#15

Acrylonitrile

Concen: 91.699 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

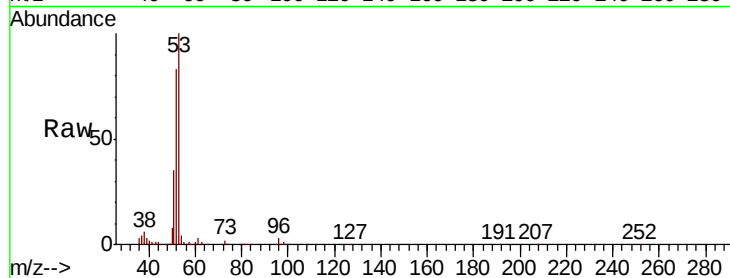
Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 411493

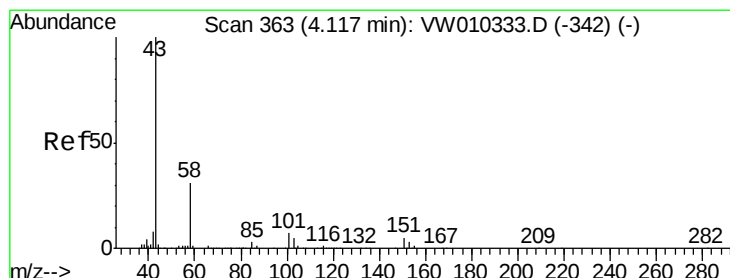
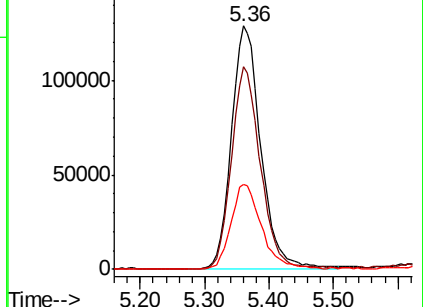
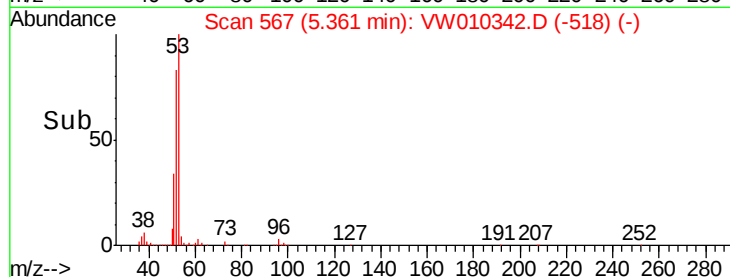
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	100.0
51	36.3	30.3	45.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 92.886 ug/l

RT: 4.12 min Scan# 363

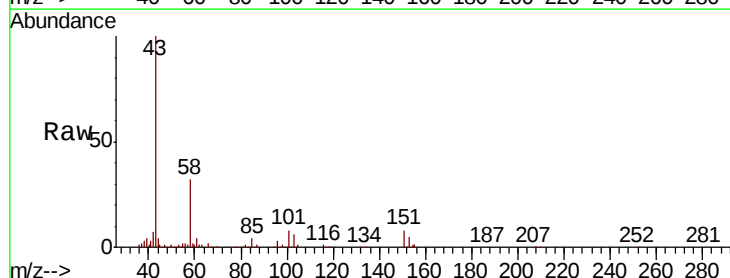
Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

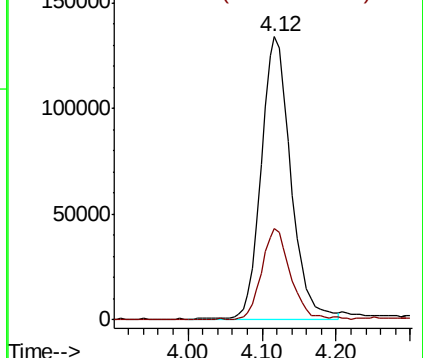
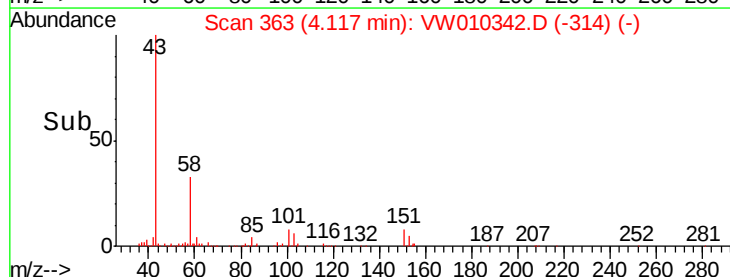
Tgt Ion: 43 Resp: 372275

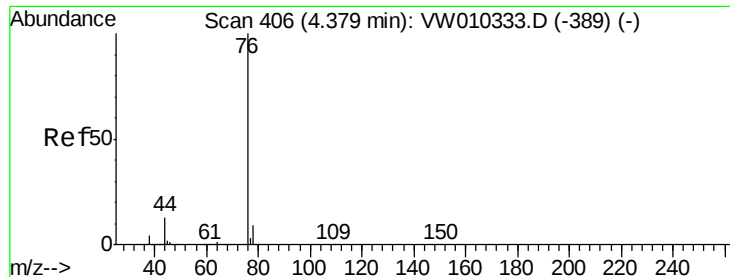
Ion	Ratio	Lower	Upper
43	100		
58	32.2	22.7	34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

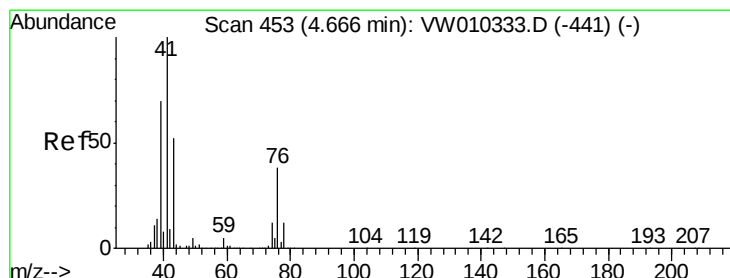
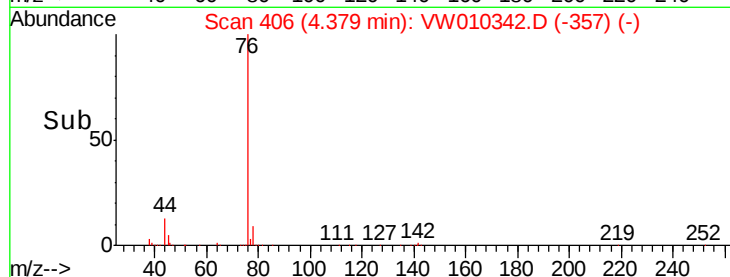
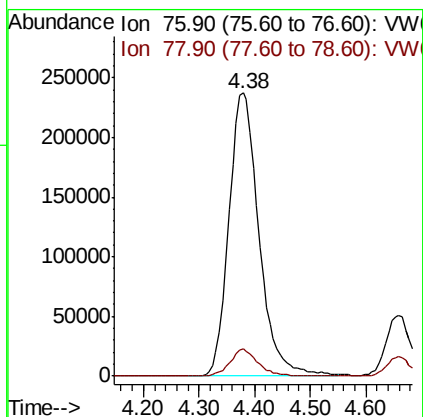
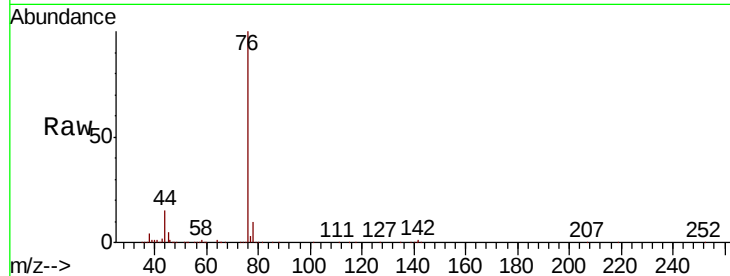




#17
Carbon Disulfide
Concen: 18.652 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

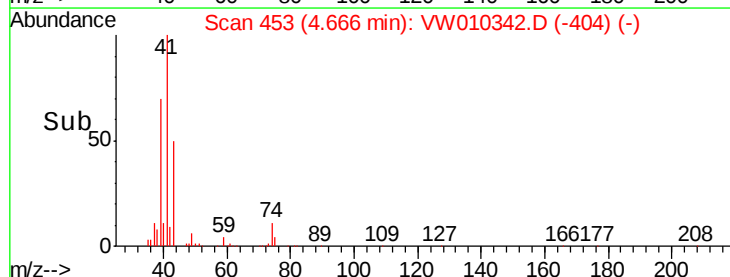
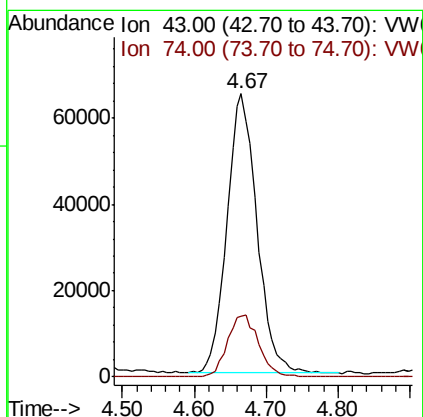
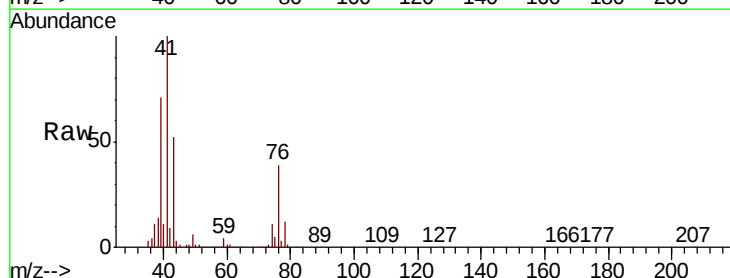
Instrument :
MSVOA_W
ClientSampled :

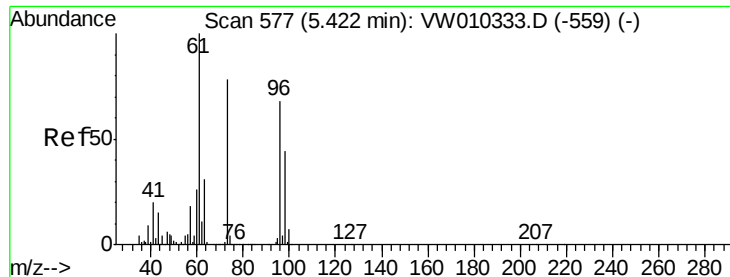
Tot Ion: 76 Resp: 889515
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#18
Methyl Acetate
Concen: 18.828 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 43 Resp: 186911
Ion Ratio Lower Upper
43 100
74 23.2 16.8 25.2

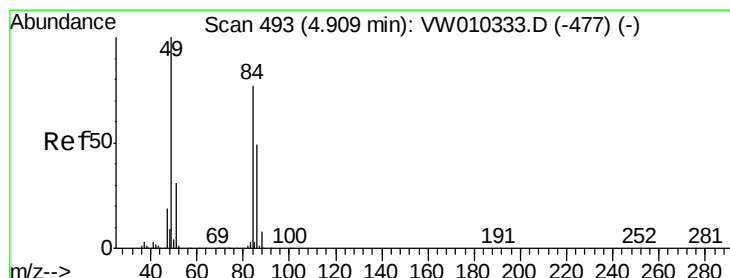
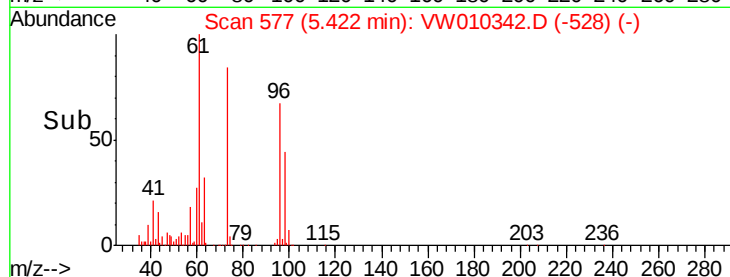
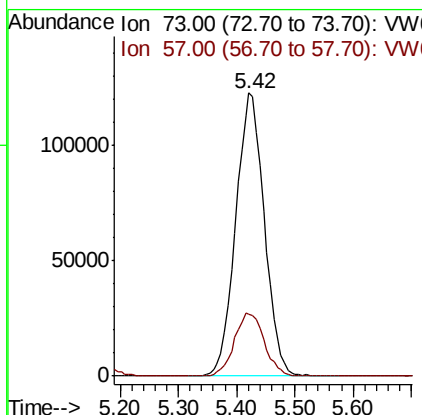
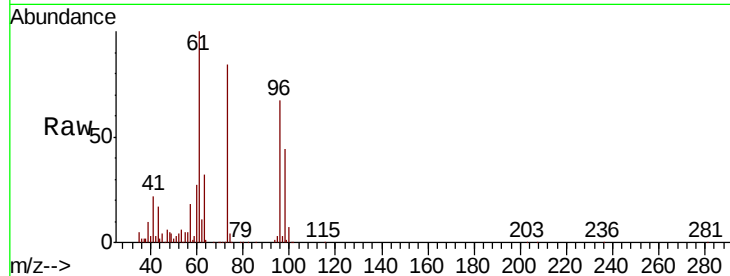




#19
Methvl tert-butvl Ether
Concen: 22.214 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

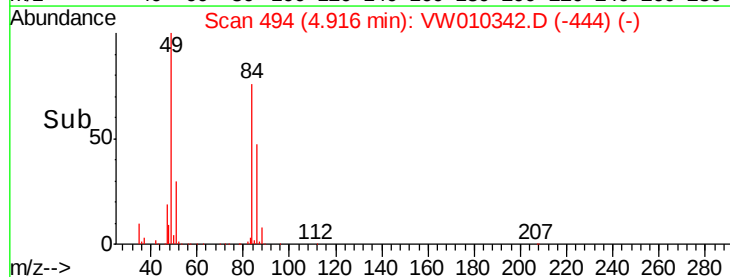
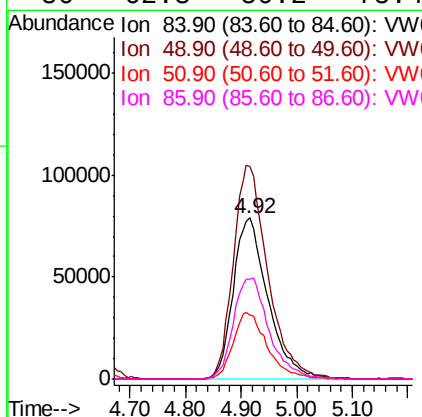
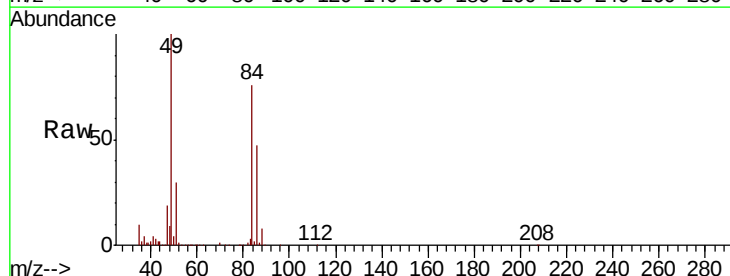
Instrument :
MSVOA_W
ClientSampled :

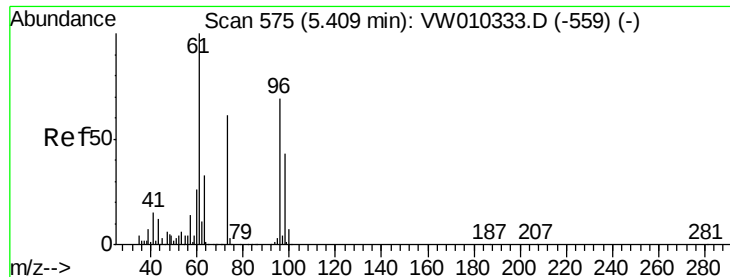
Tot Ion: 73 Resp: 416994
Ion Ratio Lower Upper
73 100
57 22.0 18.5 27.7



#20
Methylene Chloride
Concen: 20.417 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 84 Resp: 341296
Ion Ratio Lower Upper
84 100
49 131.7 112.3 168.5
51 39.7 33.9 50.9
86 62.3 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.945 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

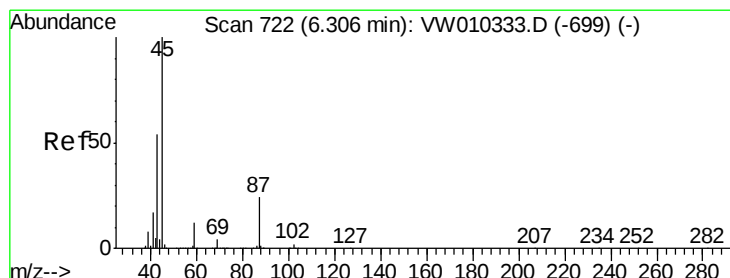
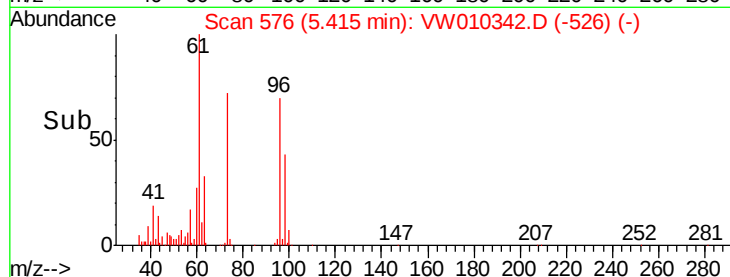
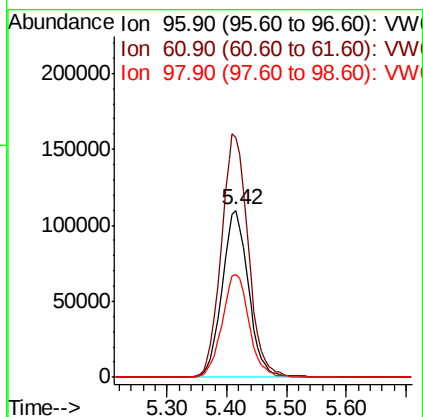
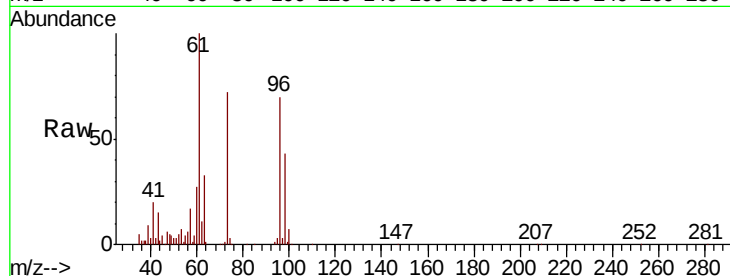
Tot Ion: 96 Resp: 338533

Ion Ratio Lower Upper

96 100

61 143.1 122.3 183.5

98 61.4 50.5 75.7



#22

Diisopropyl ether

Concen: 23.428 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Tgt Ion: 45 Resp: 1070251

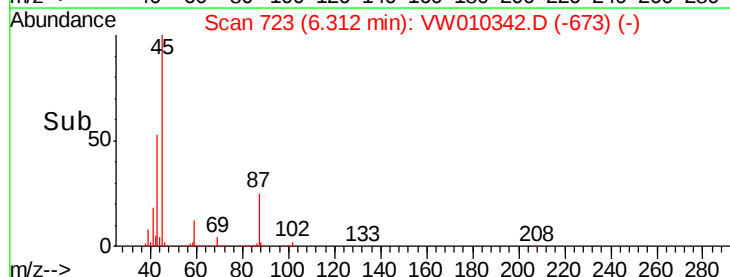
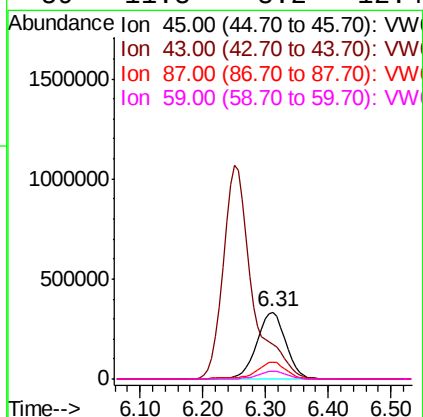
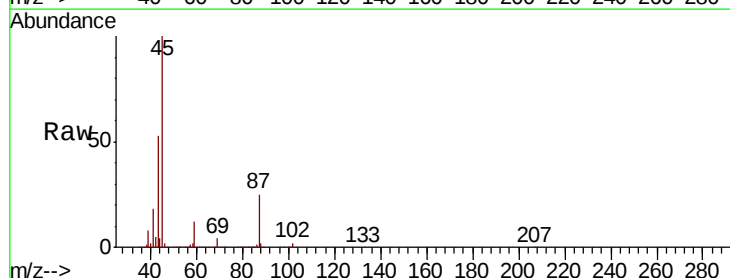
Ion Ratio Lower Upper

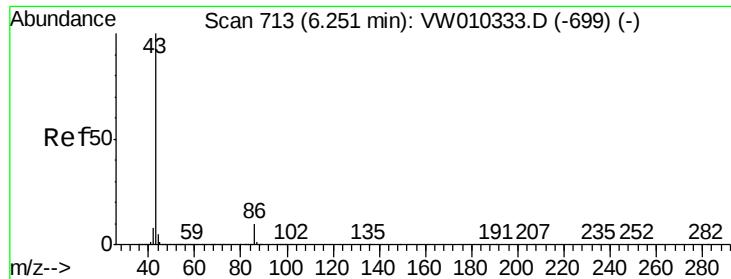
45 100

43 52.6 46.1 69.1

87 24.9 18.3 27.5

59 11.8 8.2 12.4





#23

Vinyl Acetate

Concen: 108.332 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

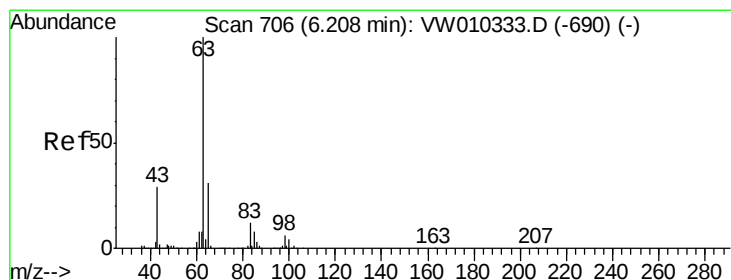
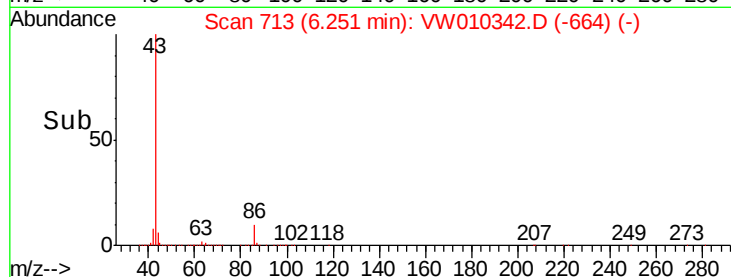
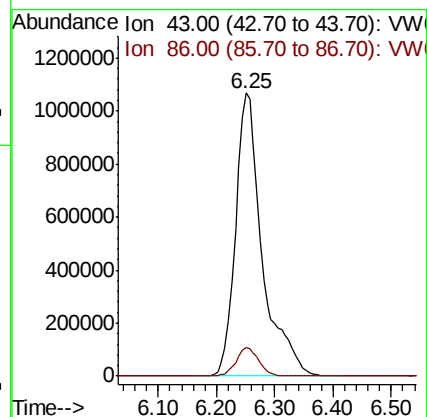
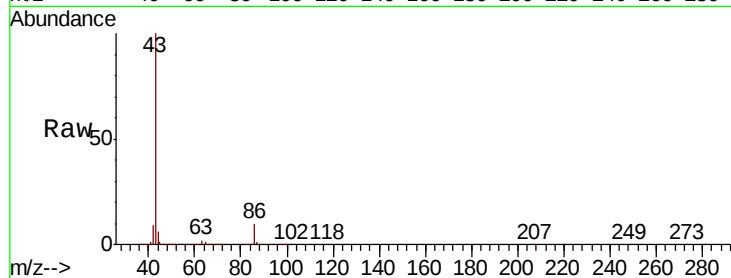
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 3398091

Ion Ratio Lower Upper

43 100

86 10.1 7.0 10.6



#24

1,1-Dichloroethane

Concen: 20.910 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

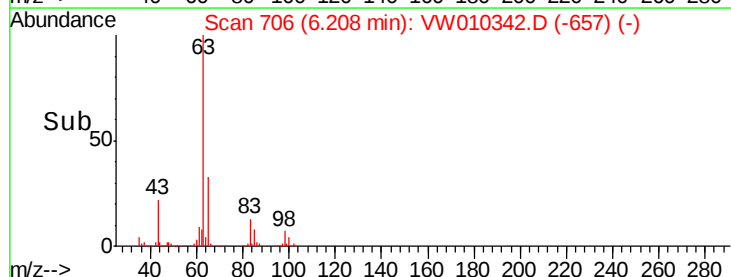
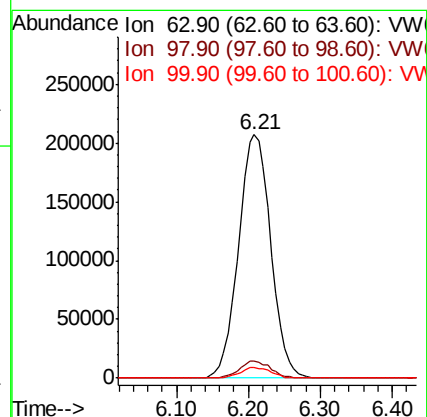
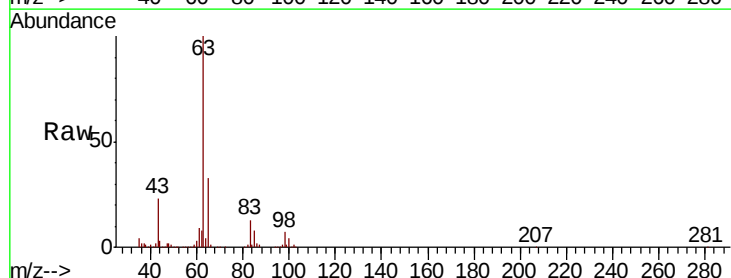
Tgt Ion: 63 Resp: 643114

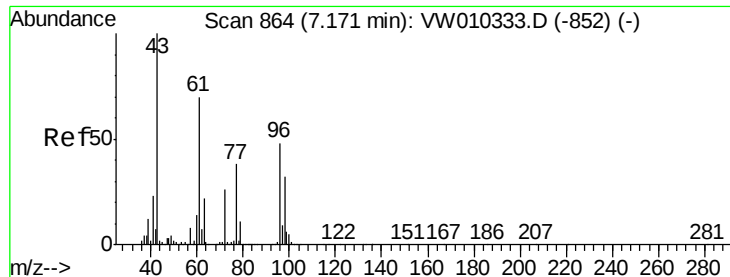
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 95.167 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

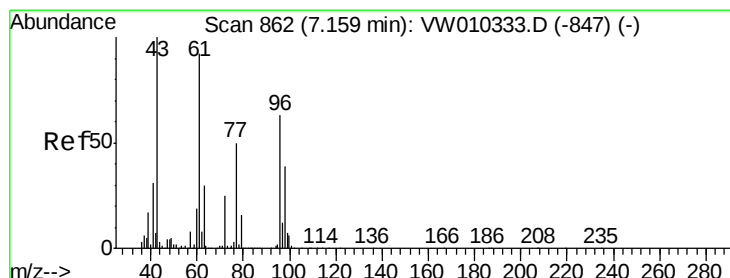
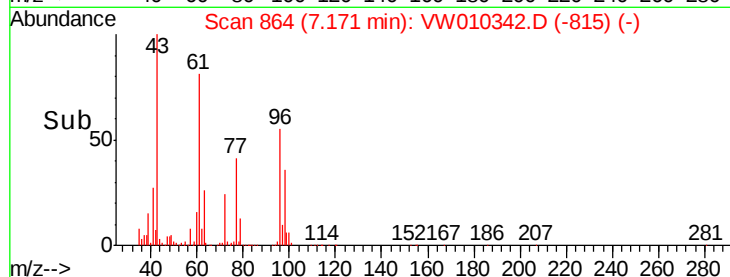
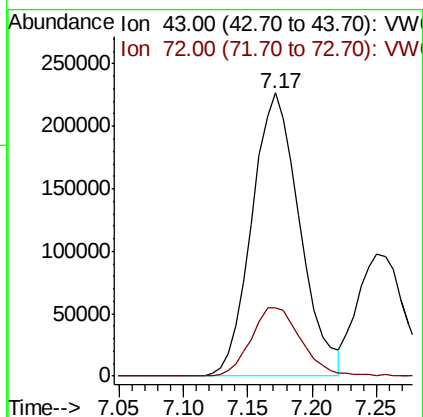
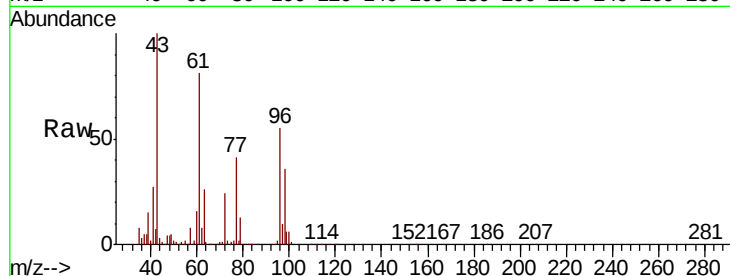
ClientSampled :

Tot Ion: 43 Resp: 583494

Ion Ratio Lower Upper

43 100

72 24.2 19.1 28.7



#26

2,2-Dichloropropane

Concen: 20.049 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010342.D

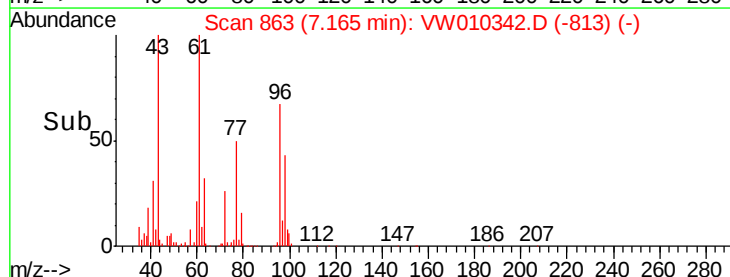
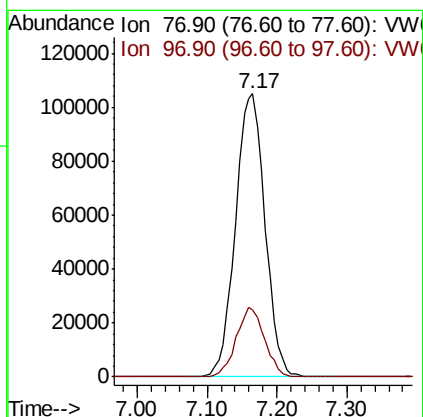
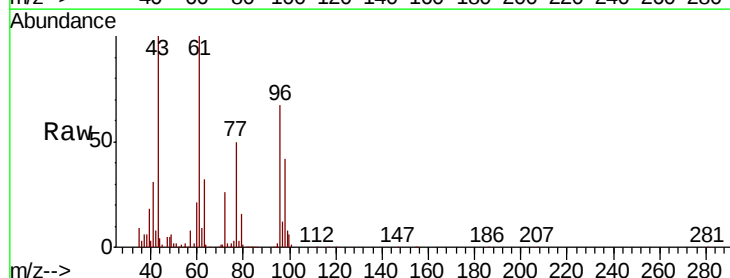
Acq: 09 May 2019 17:48

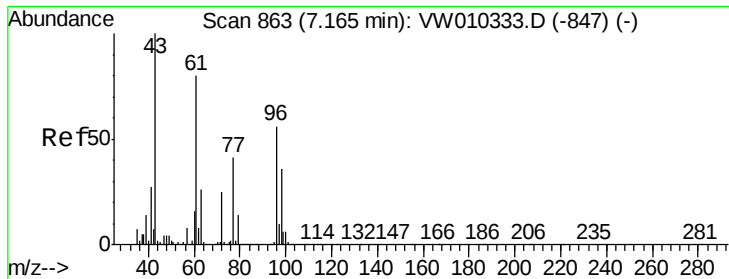
Tgt Ion: 77 Resp: 306797

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.9



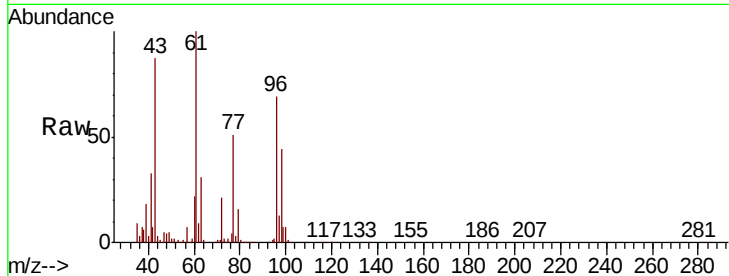


#27

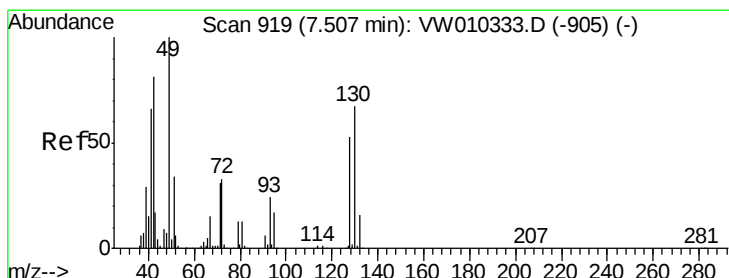
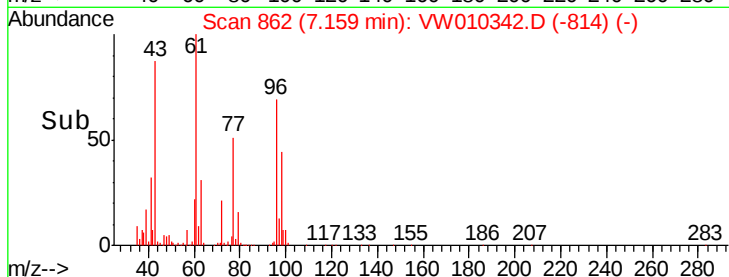
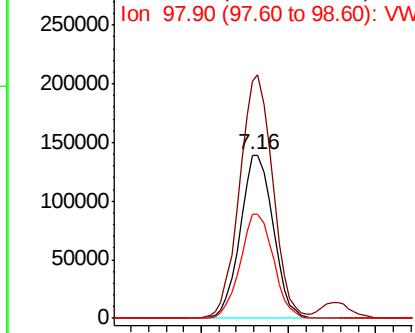
cis-1,2-Dichloroethene
Concen: 20.936 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	309.4
98	64.2	0.0	128.6



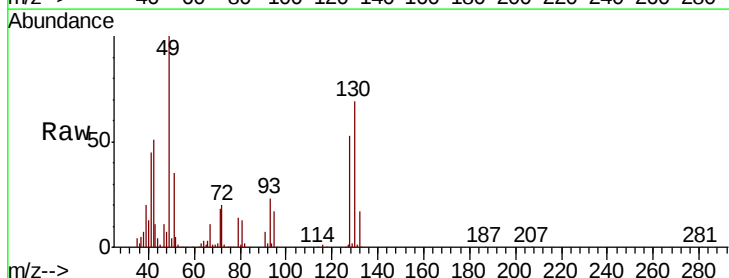
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



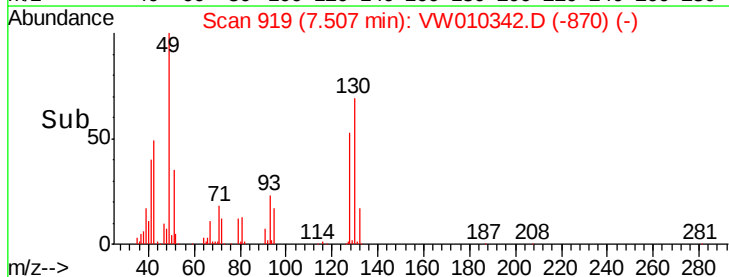
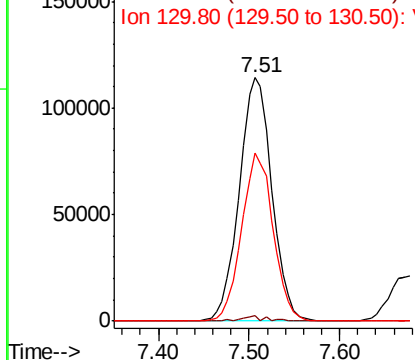
#28

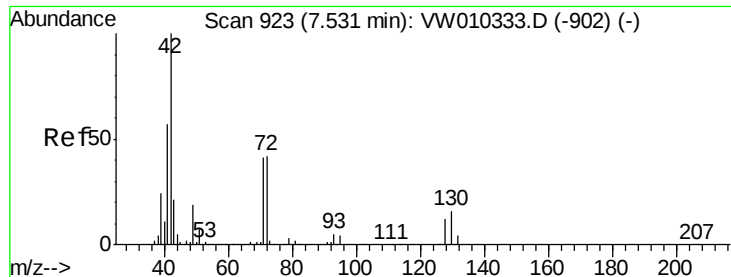
Bromochloromethane
Concen: 25.050 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	66.9	54.6	82.0



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

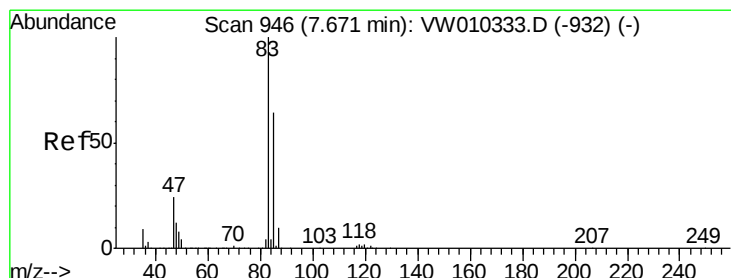
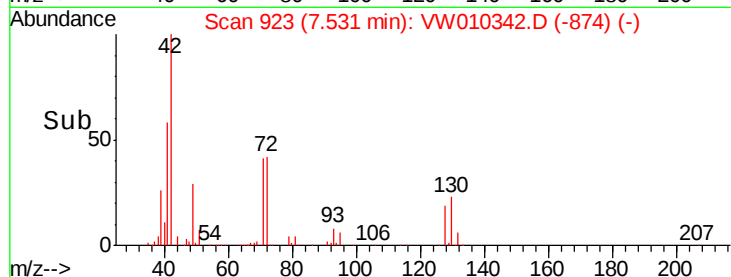
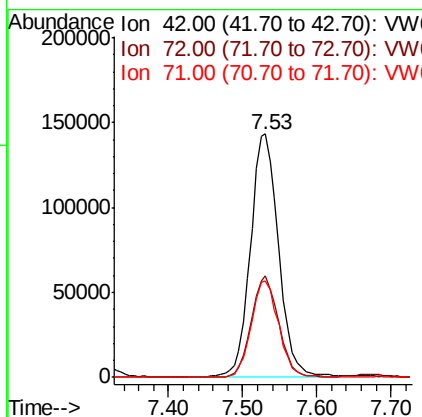
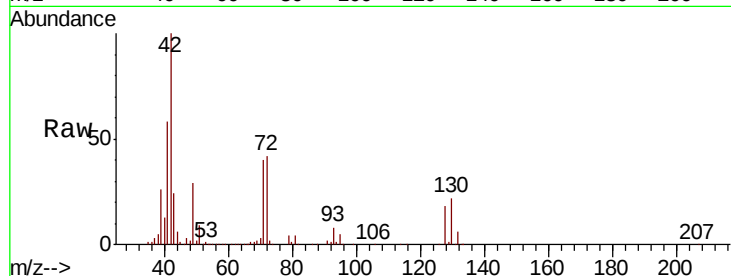




#29
Tetrahydrofuran
Concen: 95.211 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

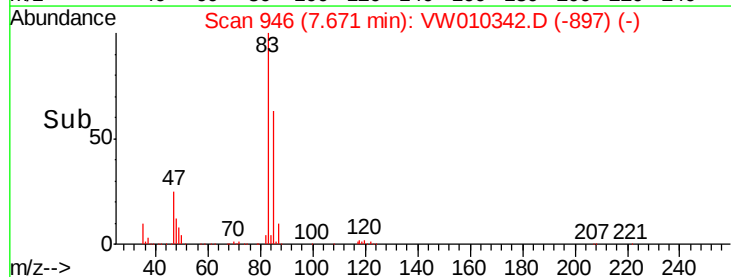
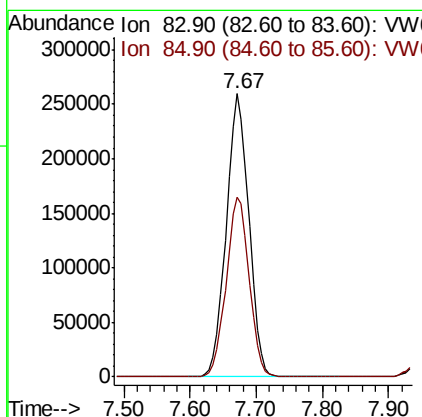
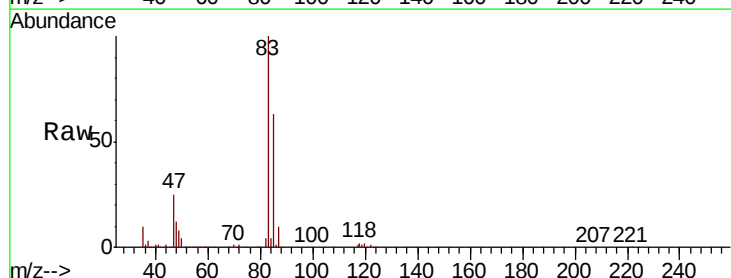
Instrument :
MSVOA_W
ClientSampleId :

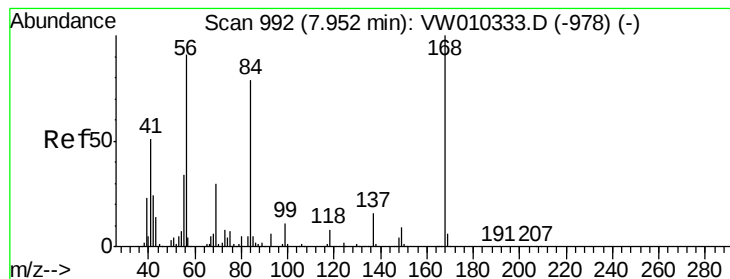
Tot Ion: 42 Resp: 377580
Ion Ratio Lower Upper
42 100
72 40.7 31.0 46.6
71 39.1 29.7 44.5



#30
Chloroform
Concen: 21.298 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 83 Resp: 613023
Ion Ratio Lower Upper
83 100
85 63.4 50.7 76.1





#31

Cyclohexane

Concen: 19.536 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :
MSVOA_W
ClientSampled :

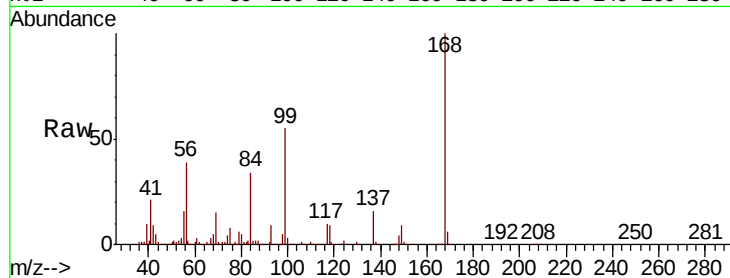
Tot Ion: 56 Resp: 615215

Ion Ratio Lower Upper

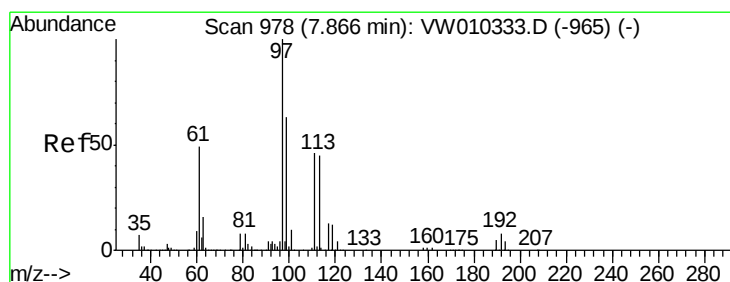
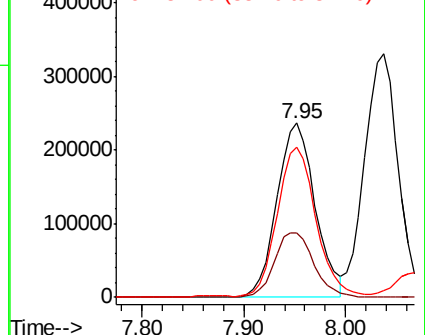
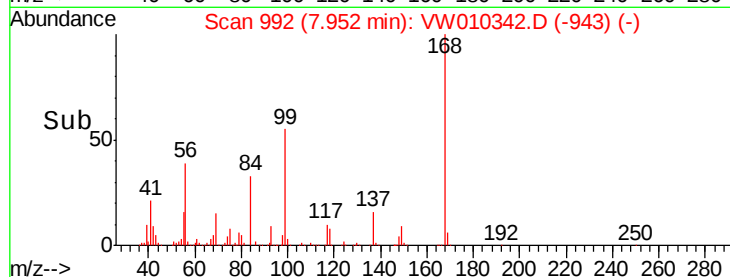
56 100

69 37.0 26.6 40.0

84 85.8 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 20.044 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

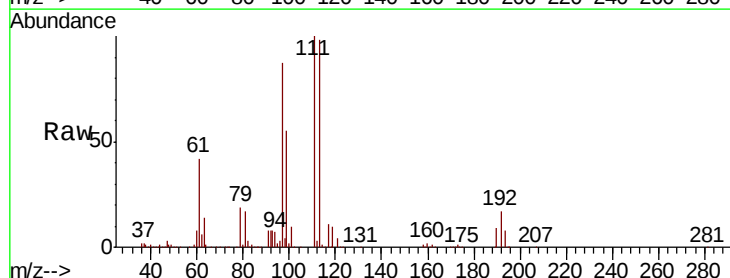
Tgt Ion: 97 Resp: 446887

Ion Ratio Lower Upper

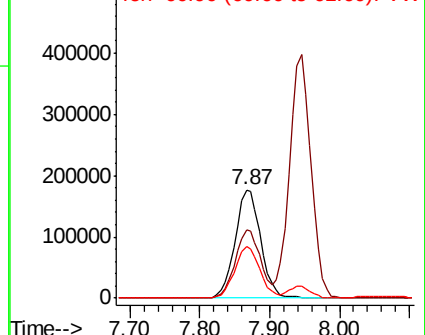
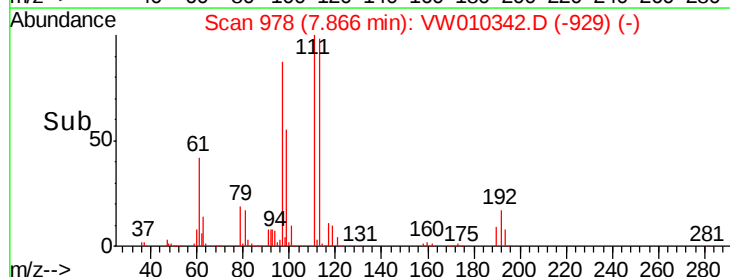
97 100

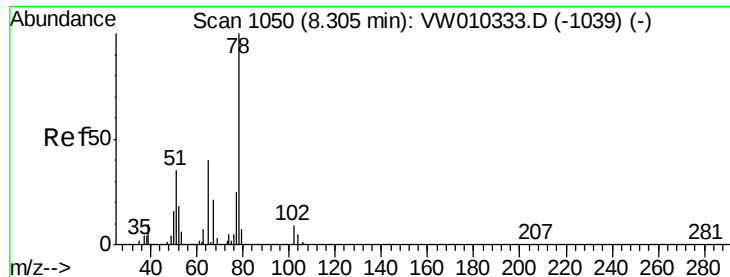
99 62.5 50.2 75.2

61 47.3 38.2 57.2



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





#33

1,2-Dichloroethane-d4

Concen: 53.293 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

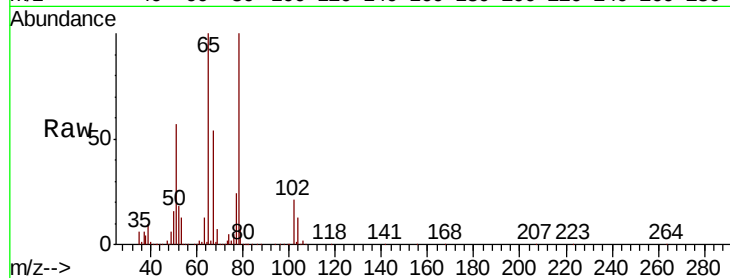
ClientSampleId :

Tot Ion: 65 Resp: 819324

Ion Ratio Lower Upper

65 100

67 53.6 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

400000

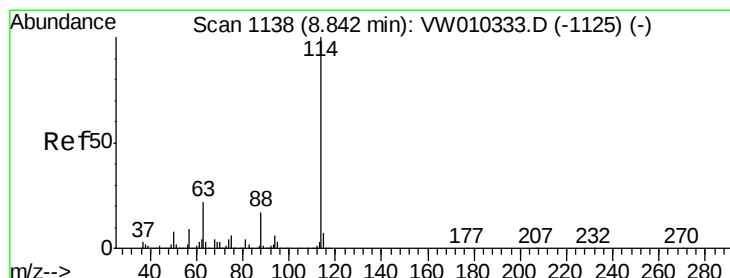
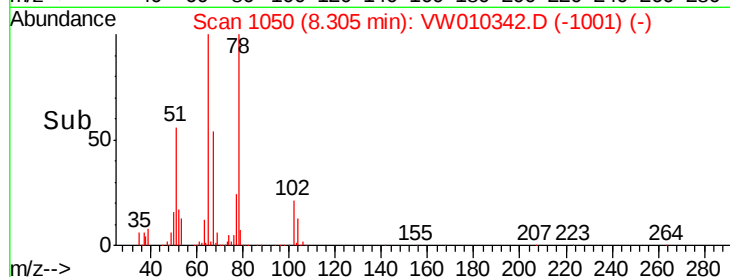
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

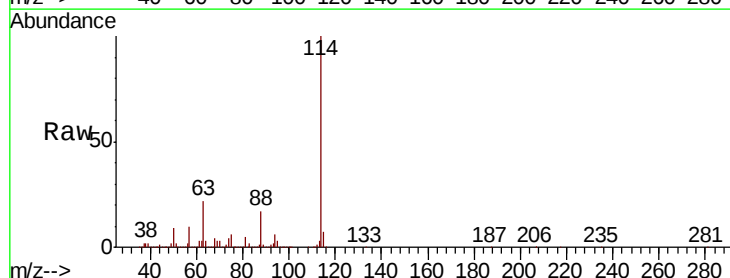
Tgt Ion: 114 Resp: 2375613

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.2

88 16.7 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

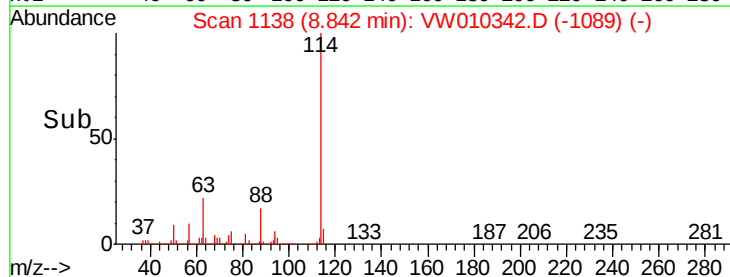
1500000

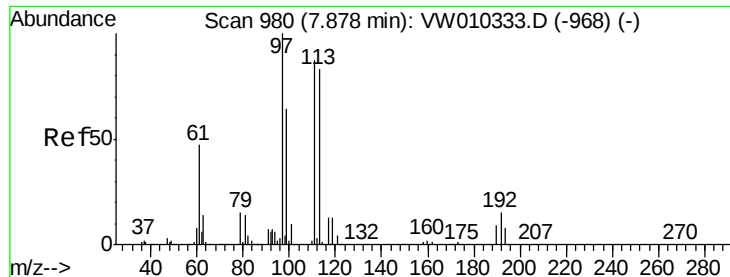
1000000

500000

0

Time-->

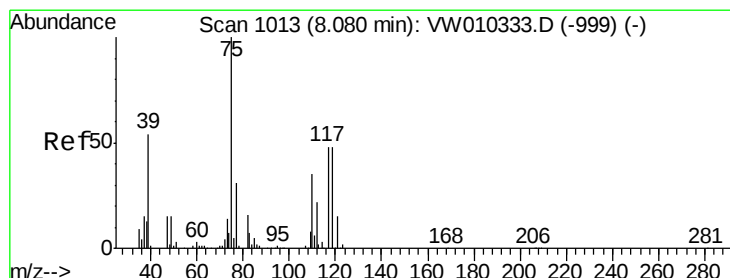
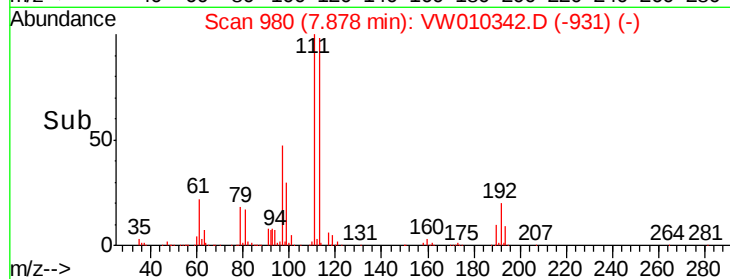
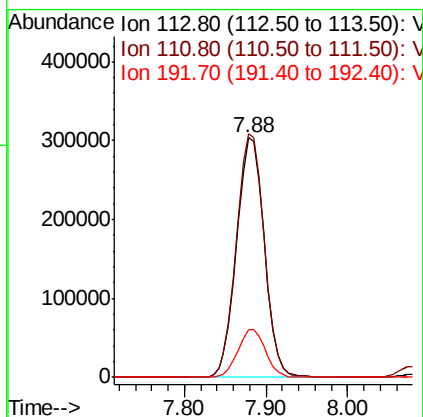
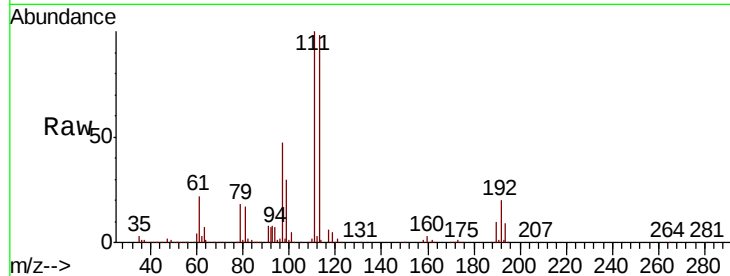




#35
 Dibromofluoromethane
 Concen: 51.369 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010342.D
 Acq: 09 May 2019 17:48

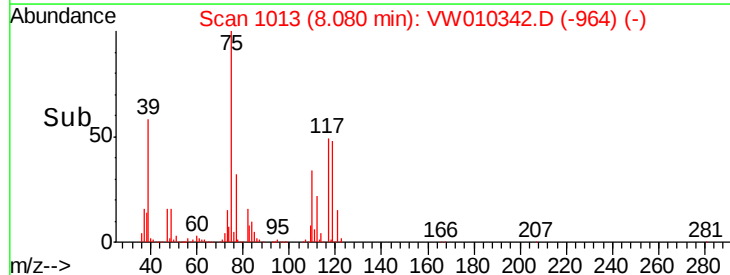
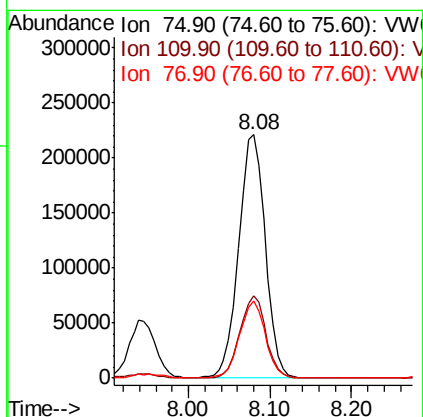
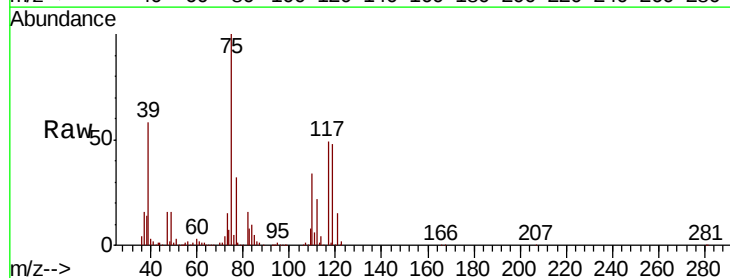
Instrument :
 MSVOA_W
 ClientSampleId :

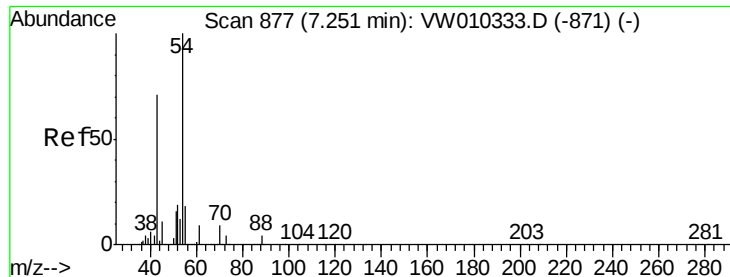
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	20.0	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 19.417 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010342.D
 Acq: 09 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.8
77	30.8	24.8	37.2

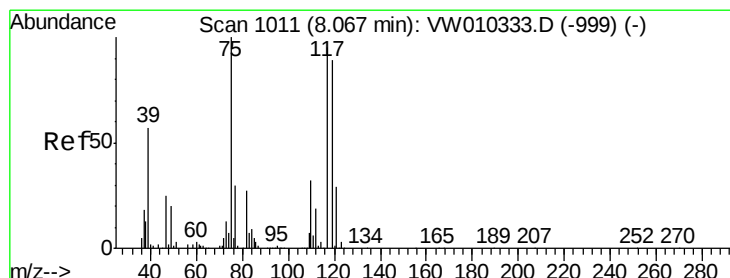
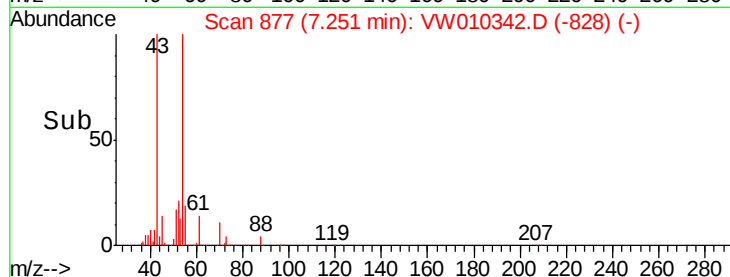
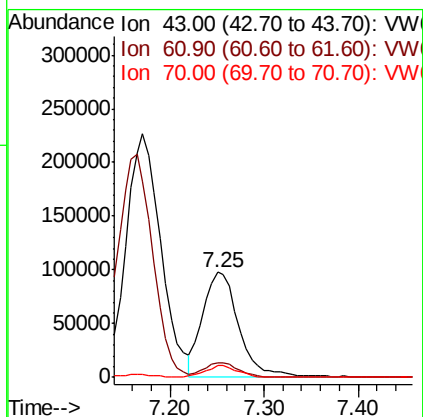
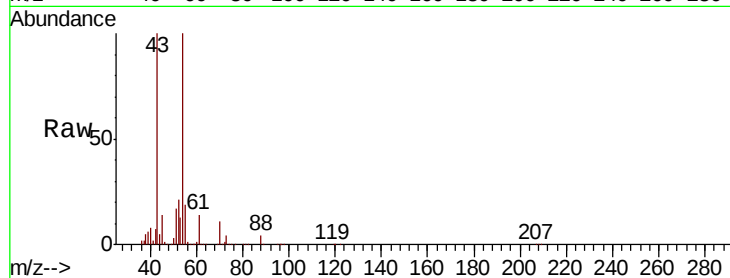




#37
Ethyl Acetate
Concen: 18.644 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

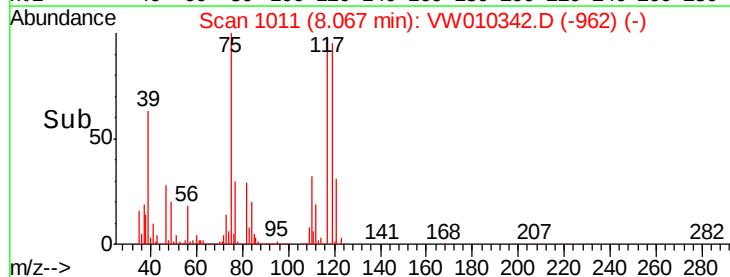
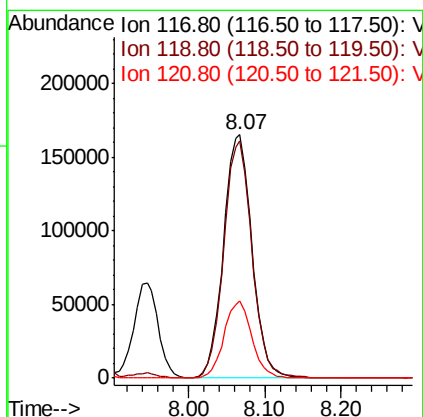
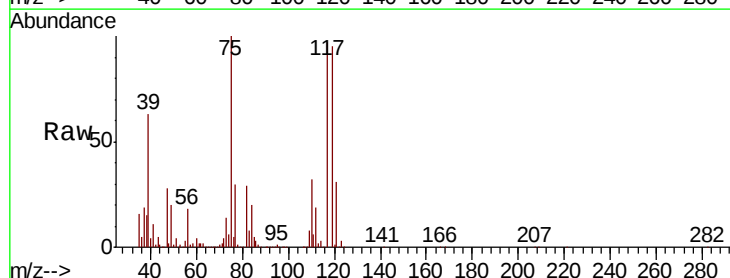
Instrument :
MSVOA_W
ClientSampled :

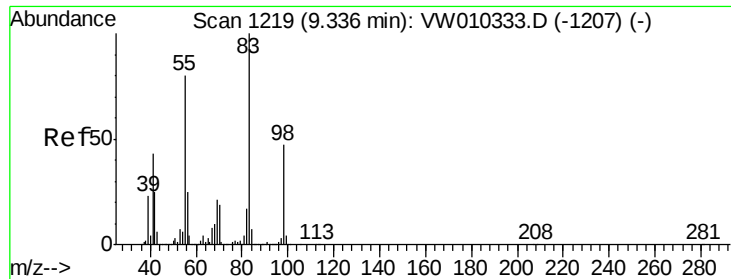
Tot Ion: 43 Resp: 255691
Ion Ratio Lower Upper
43 100
61 13.0 9.8 14.8
70 10.6 7.4 11.0



#38
Carbon Tetrachloride
Concen: 19.226 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 117 Resp: 424517
Ion Ratio Lower Upper
117 100
119 97.4 75.3 112.9
121 31.5 24.4 36.6

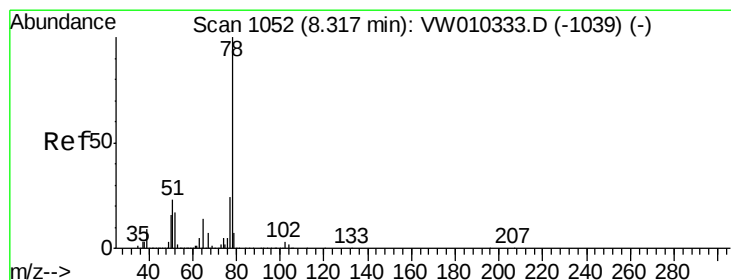
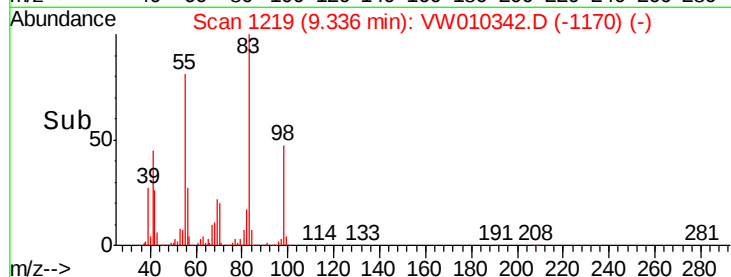
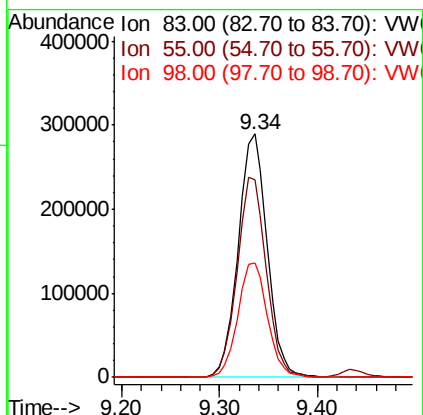
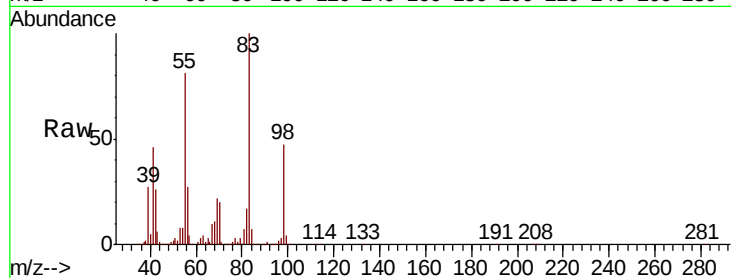




#39
Methvlcvclohexane
Concen: 18.870 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

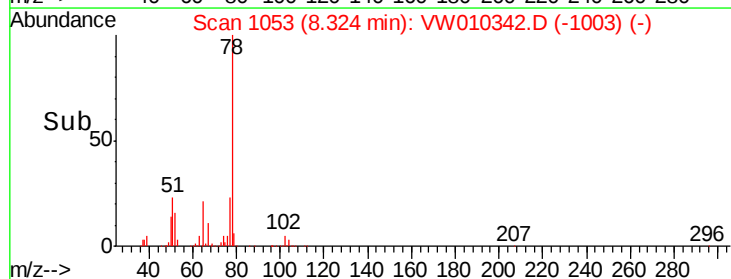
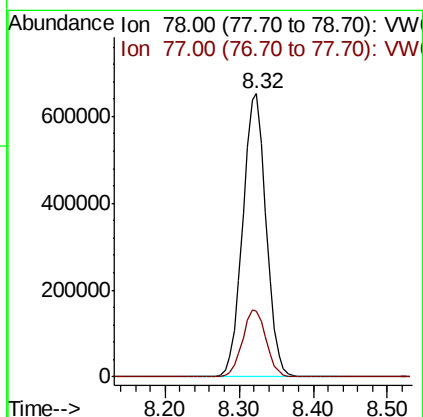
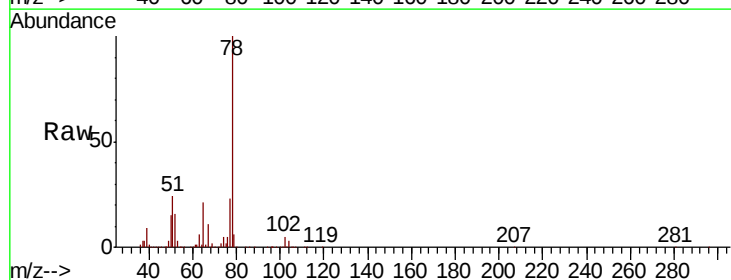
Instrument :
MSVOA_W
ClientSampleId :

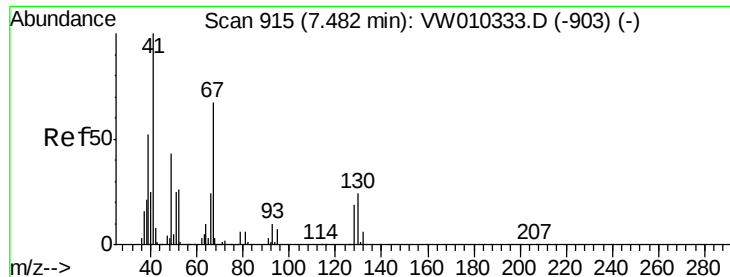
Tot Ion: 83 Resp: 594611
Ion Ratio Lower Upper
83 100
55 81.1 67.1 100.7
98 46.8 39.2 58.8



#40
Benzene
Concen: 20.314 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 78 Resp: 1433027
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

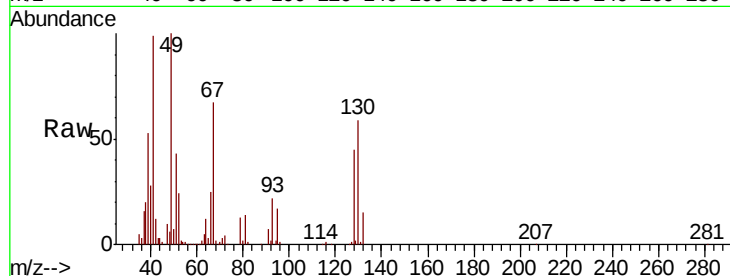




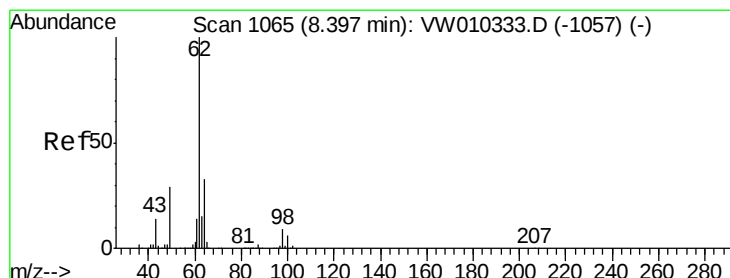
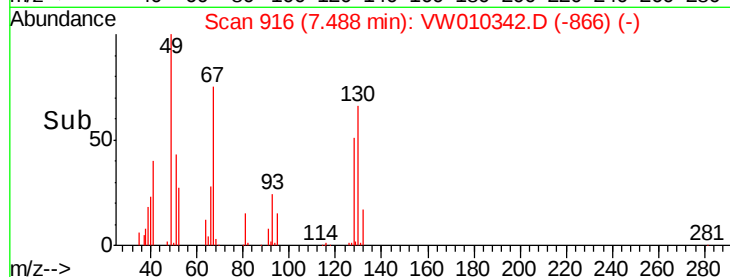
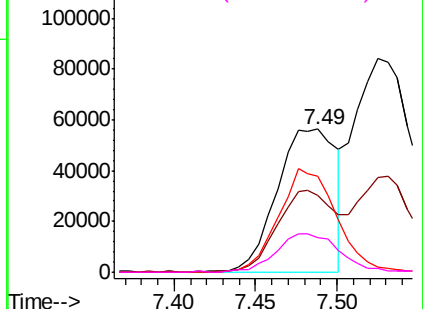
#41
Methacrylonitrile
Concen: 18.371 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	141299
Ion	Ratio	Lower	Upper
41	100		
39	53.7	45.0	67.4
67	71.1	50.7	76.1
52	28.7	22.6	33.8

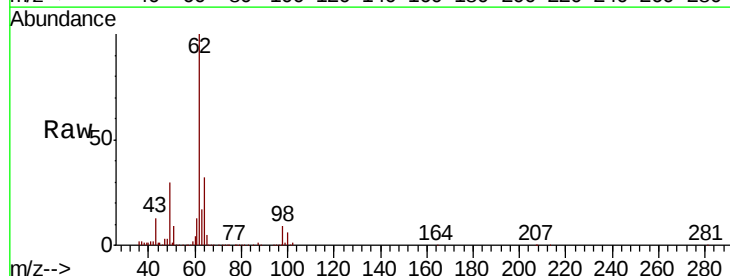


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

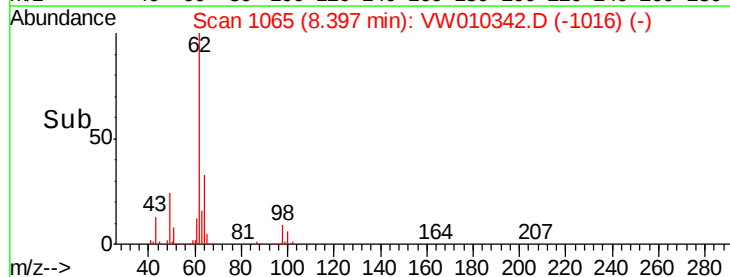
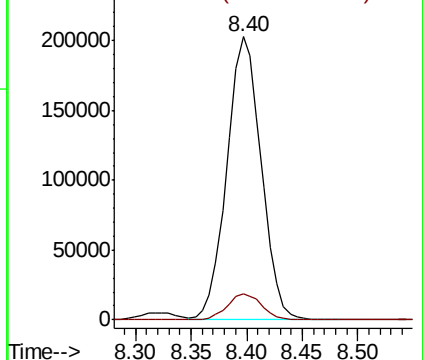


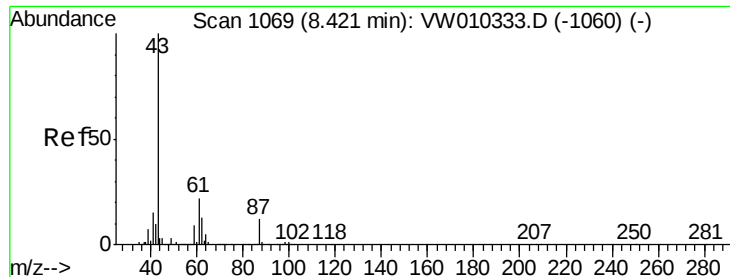
#42
1,2-Dichloroethane
Concen: 21.414 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion:	62	Resp:	432389
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 19.910 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

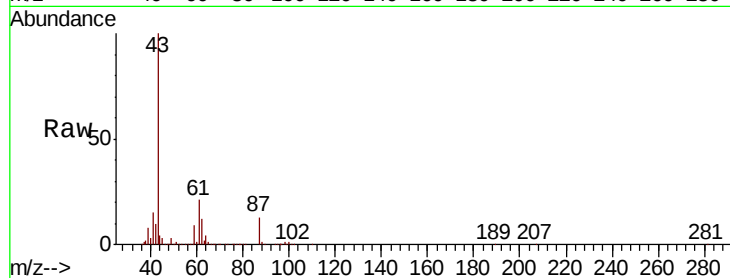
Tot Ion: 43 Resp: 452852

Ion Ratio Lower Upper

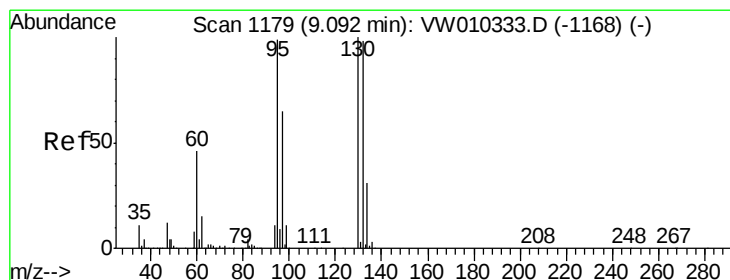
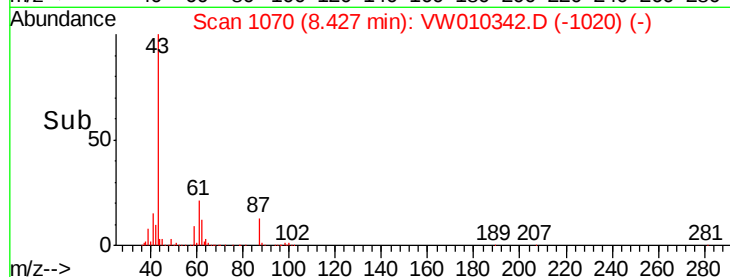
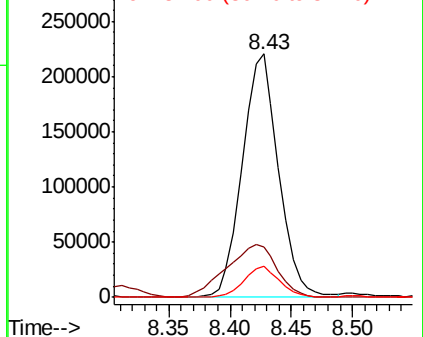
43 100

61 30.3 23.0 34.6

87 12.5 9.3 13.9



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



#44

Trichloroethene

Concen: 19.766 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010342.D

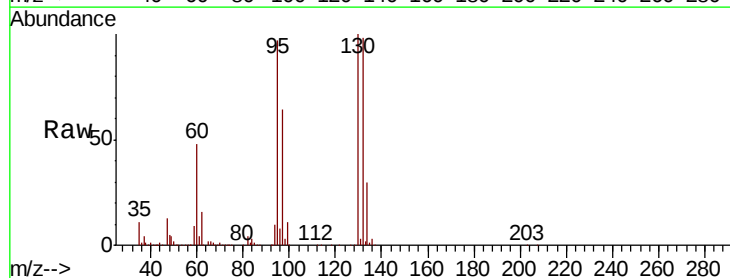
Acq: 09 May 2019 17:48

Tgt Ion:130 Resp: 349076

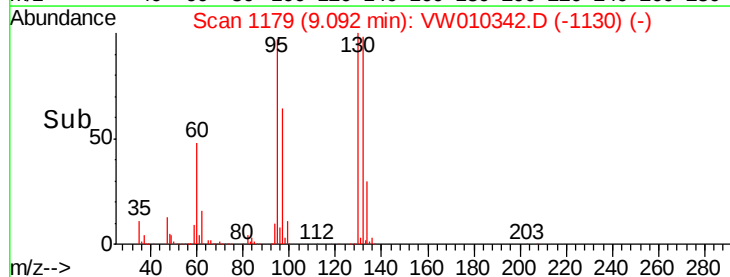
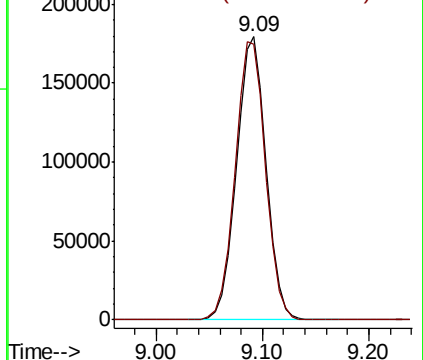
Ion Ratio Lower Upper

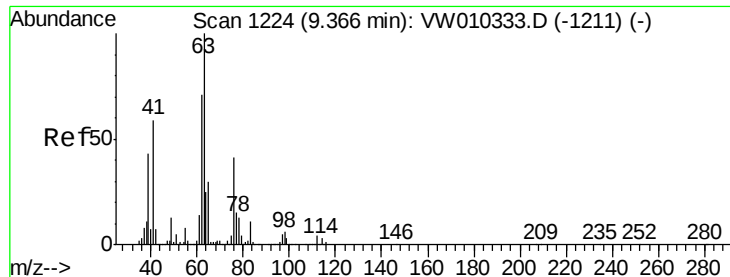
130 100

95 97.3 0.0 205.4



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





#45

1,2-Dichloropropane

Concen: 21.488 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

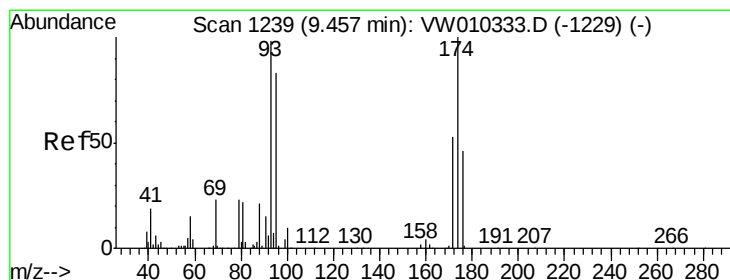
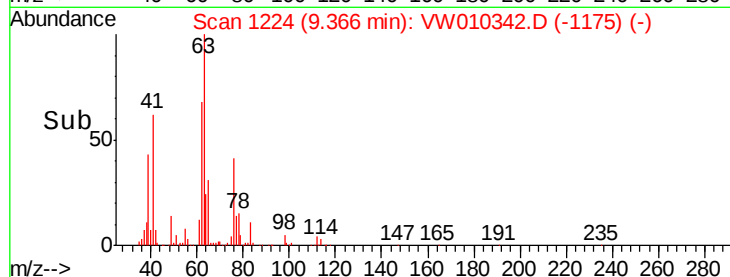
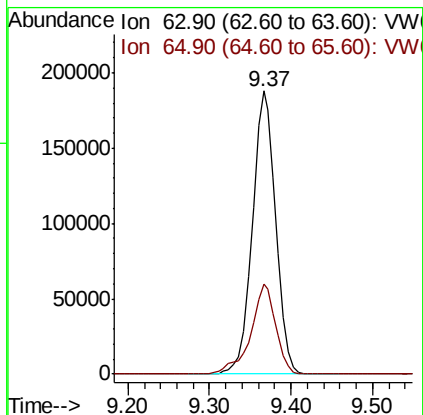
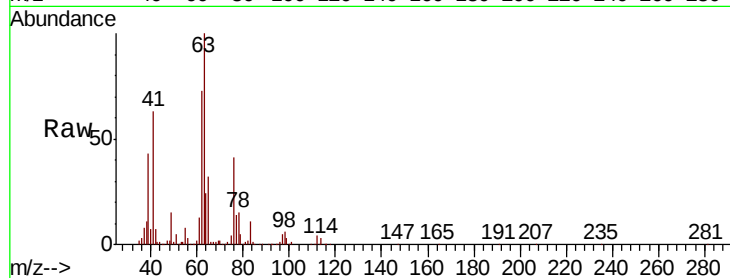
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 376794

Ion Ratio Lower Upper

63 100

65 32.0 23.8 35.6



#46

Dibromomethane

Concen: 20.784 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

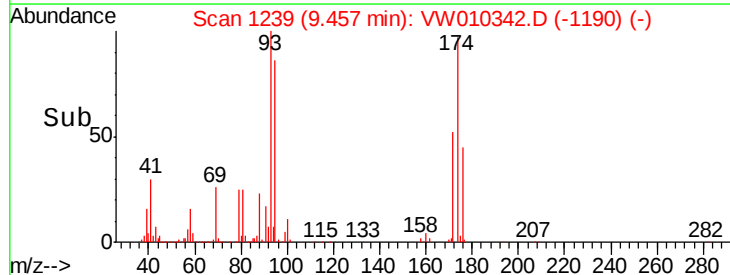
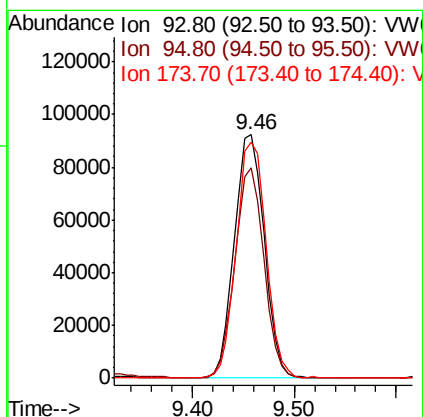
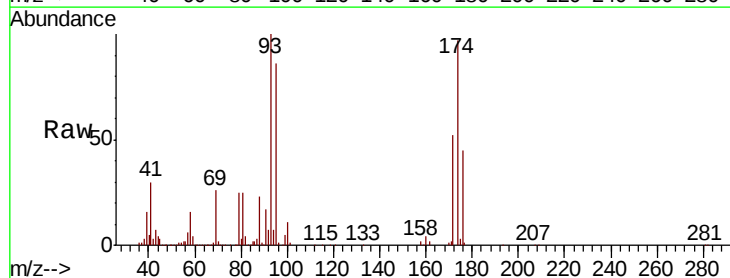
Tgt Ion: 93 Resp: 188274

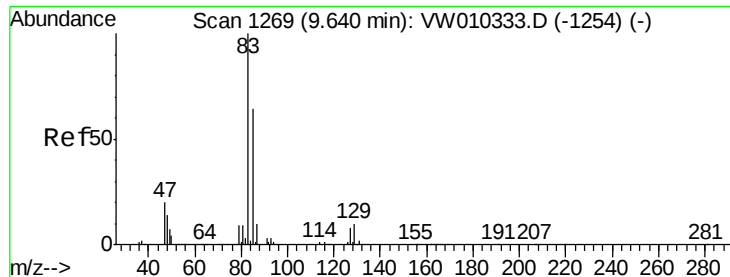
Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.8

174 96.8 75.5 113.3

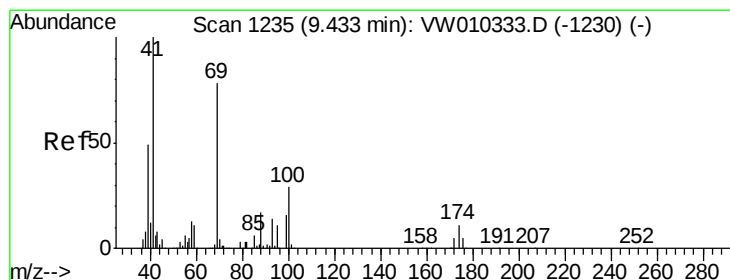
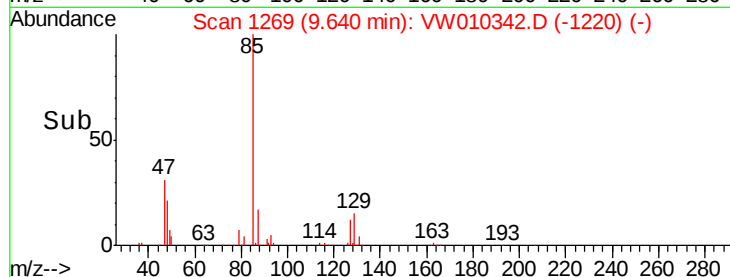
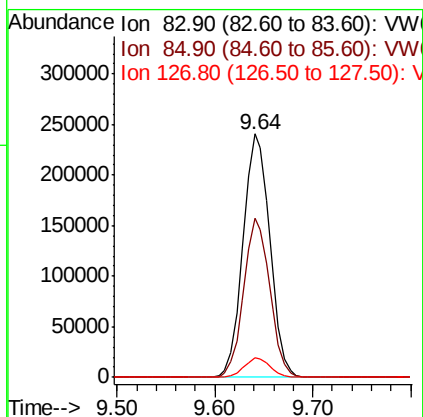
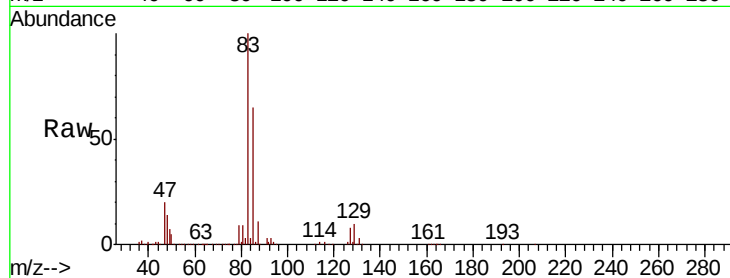




#47
Bromodichloromethane
Concen: 21.016 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

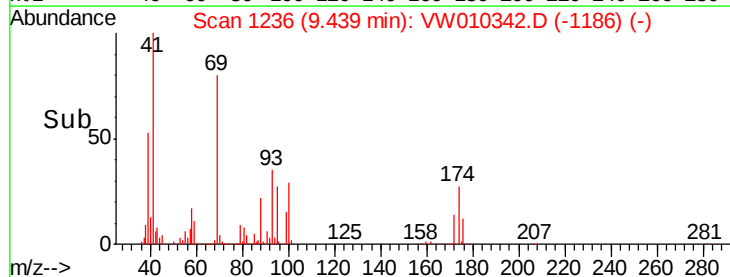
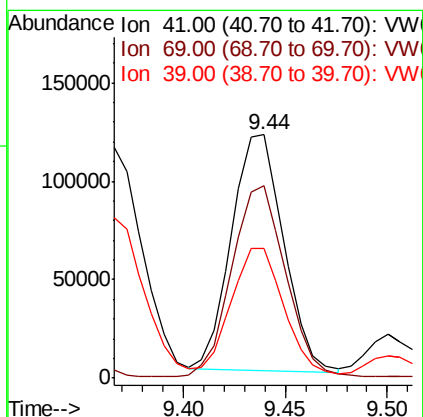
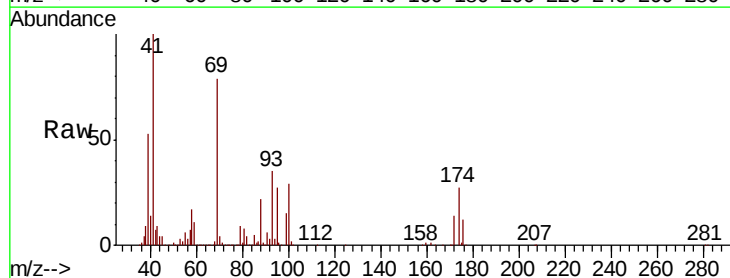
Instrument :
MSVOA_W
ClientSampled :

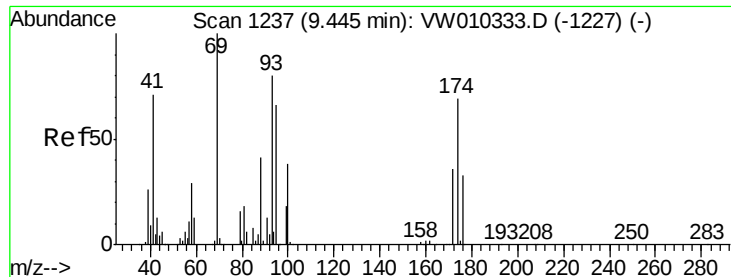
Tot Ion	83	Resp	456667
Ion Ratio	Lower	Upper	
83	100		
85	65.3	50.6	75.8
127	8.0	6.6	10.0



#48
Methyl methacrylate
Concen: 19.772 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion	41	Resp	212638
Ion Ratio	Lower	Upper	
41	100		
69	85.8	60.1	90.1
39	53.1	51.0	76.6





#49

1,4-Dioxane

Concen: 400.248 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

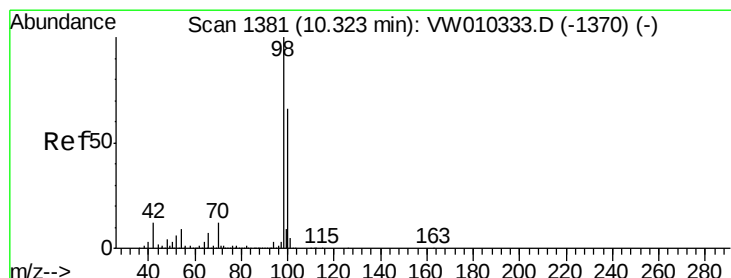
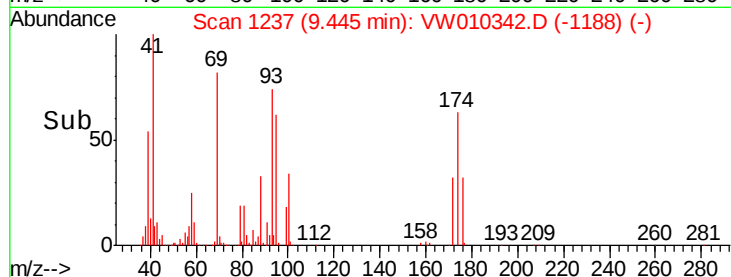
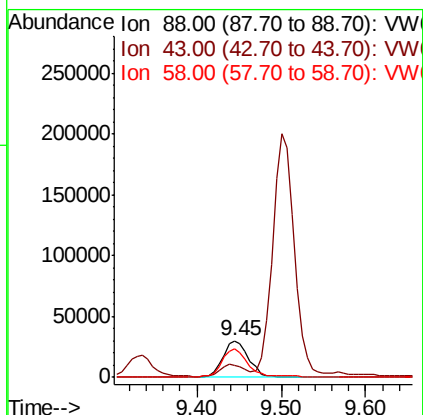
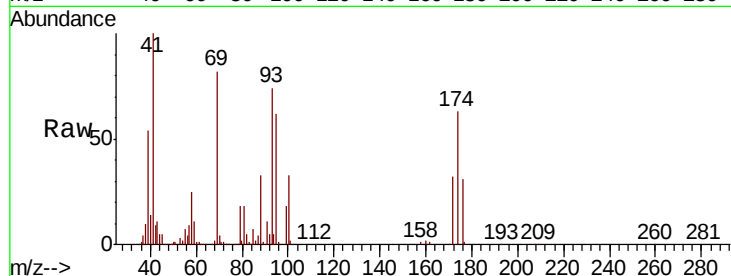
Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 63229

Ion	Ratio	Lower	Upper
88	100		
43	31.6	31.9	47.9#
58	77.6	61.8	92.6



#50

Toluene-d8

Concen: 50.470 ug/l

RT: 10.32 min Scan# 1381

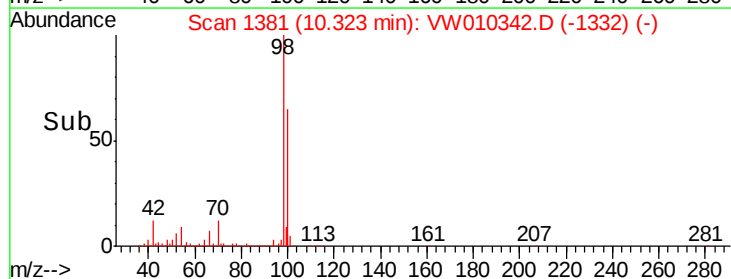
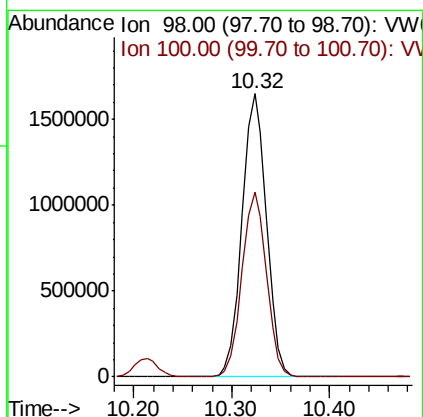
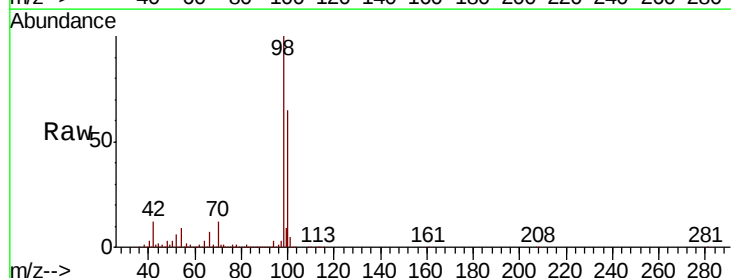
Delta R.T. 0.00 min

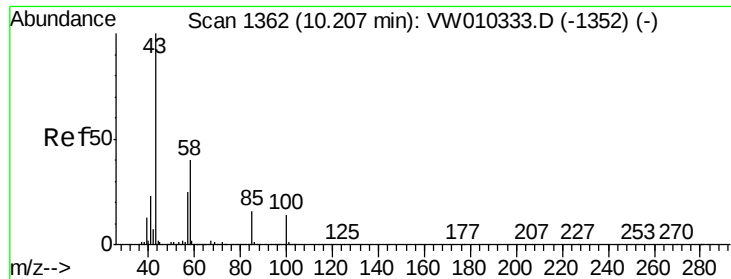
Lab File: VW010342.D

Acq: 09 May 2019 17:48

Tgt Ion: 98 Resp: 2857024

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 98.815 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

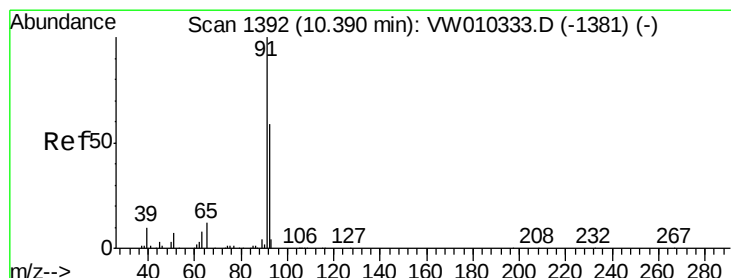
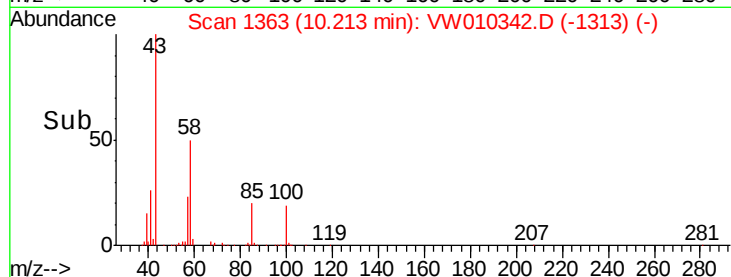
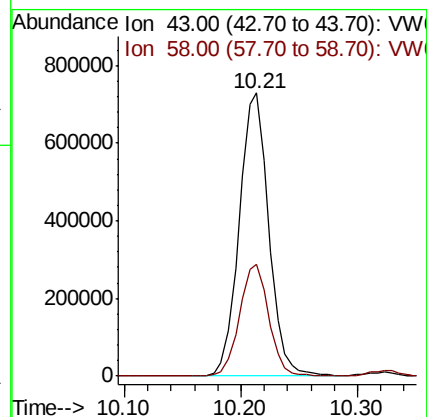
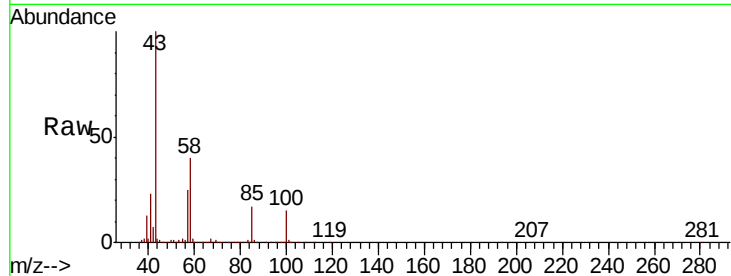
ClientSampled :

Tot Ion: 43 Resp: 1288773

Ion Ratio Lower Upper

43 100

58 39.2 28.9 43.3



#52

Toluene

Concen: 21.104 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010342.D

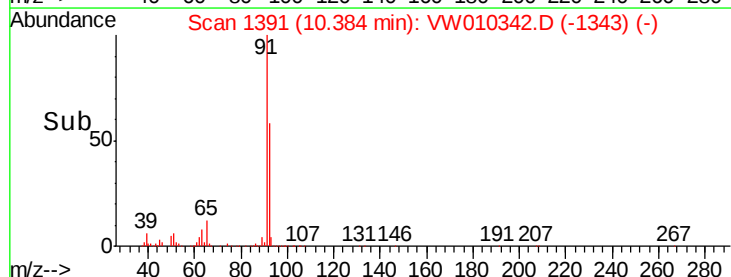
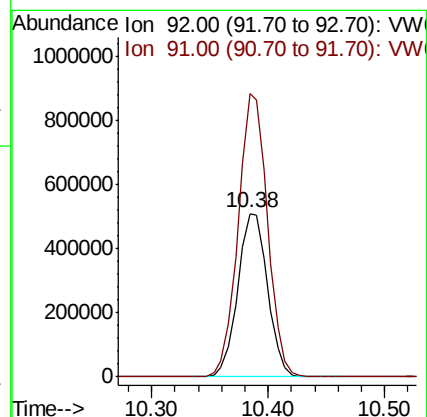
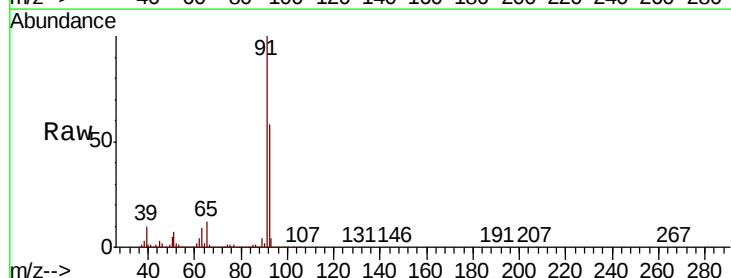
Acq: 09 May 2019 17:48

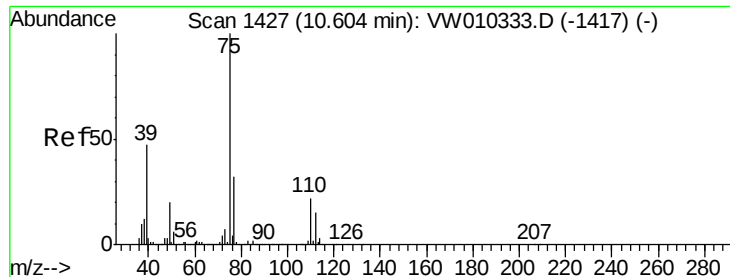
Tgt Ion: 92 Resp: 909954

Ion Ratio Lower Upper

92 100

91 170.4 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 21.165 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

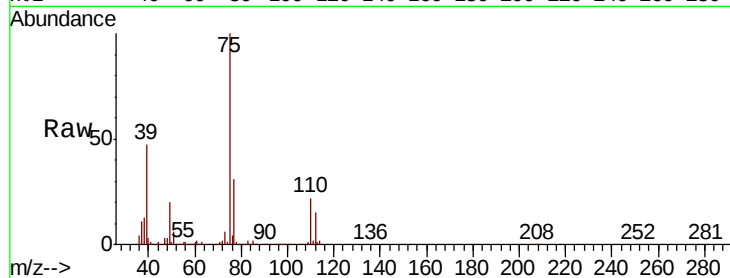
ClientSampleId :

Tot Ion: 75 Resp: 465848

Ion Ratio Lower Upper

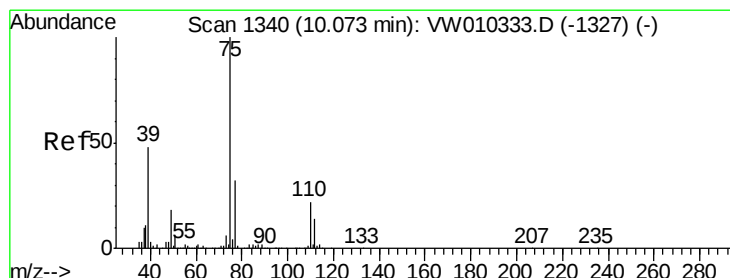
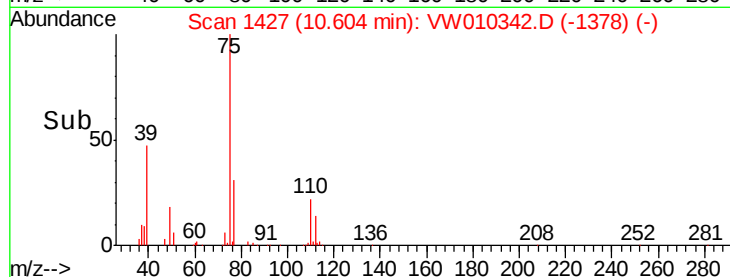
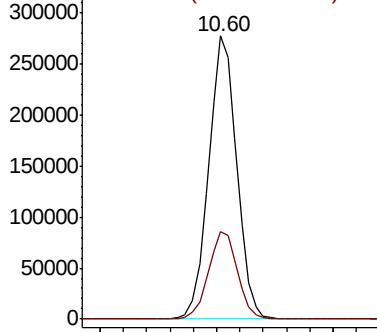
75 100

77 31.1 26.9 40.3



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: 21.242 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

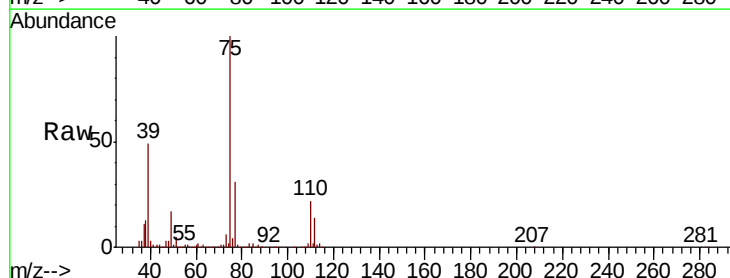
Tgt Ion: 75 Resp: 553721

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

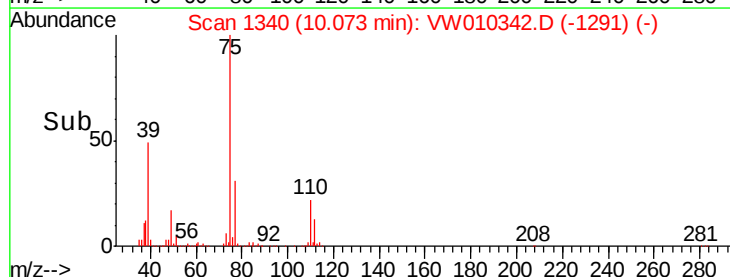
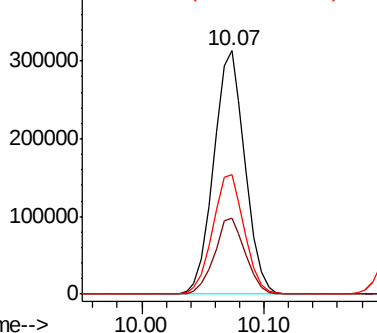
39 49.0 47.8 71.6

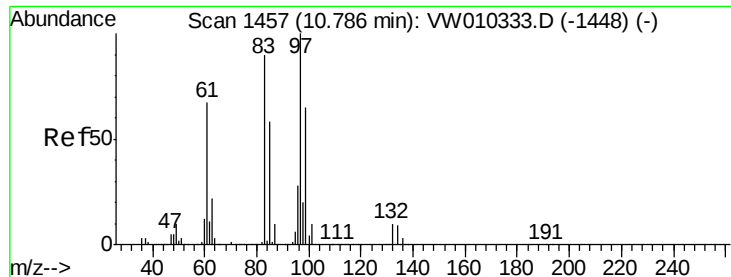


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 20.828 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 267984

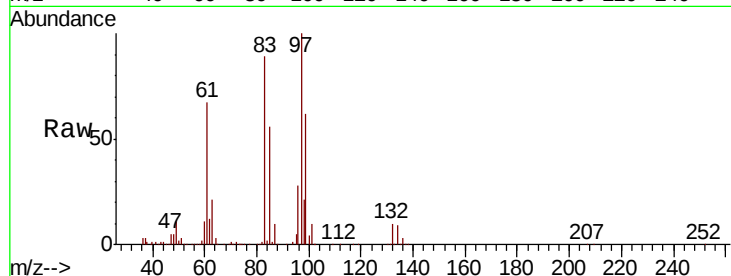
Ion Ratio Lower Upper

97 100

83 88.7 68.9 103.3

85 56.2 42.9 64.3

99 62.0 48.6 72.8



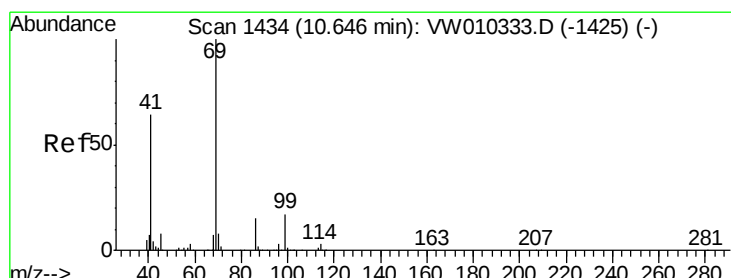
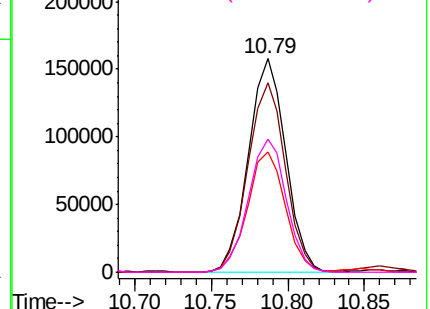
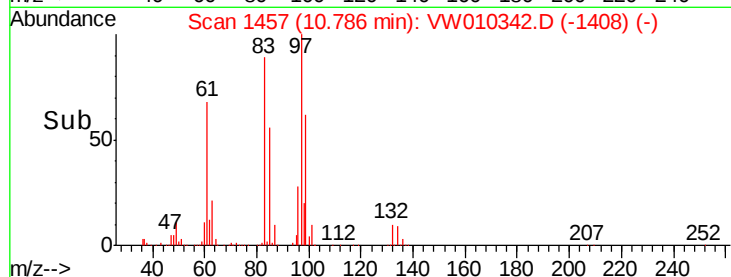
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.943 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

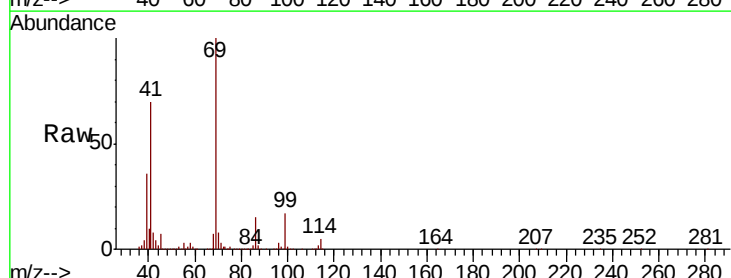
Tgt Ion: 69 Resp: 355822

Ion Ratio Lower Upper

69 100

41 69.4 61.0 91.6

39 32.6 33.8 50.6#

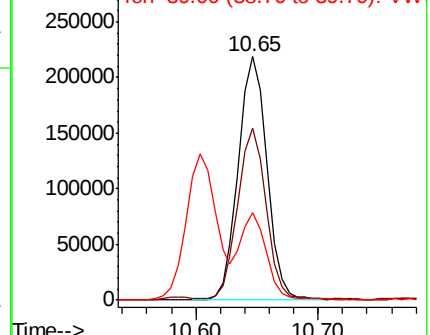
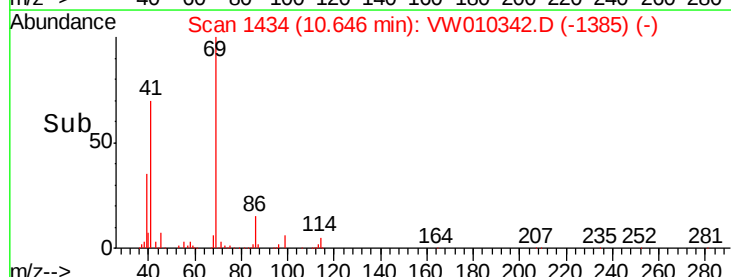


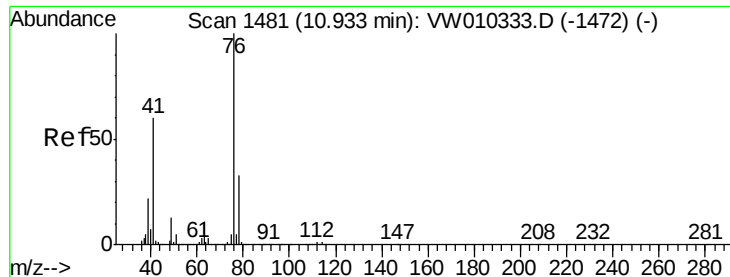
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.161 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

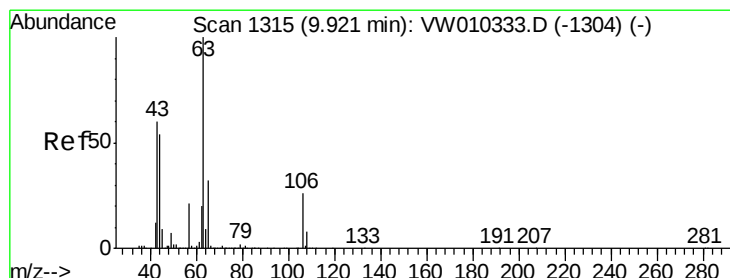
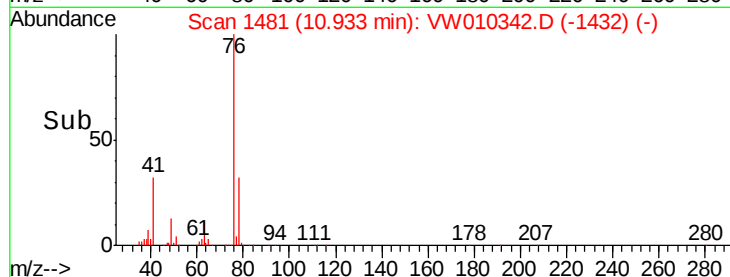
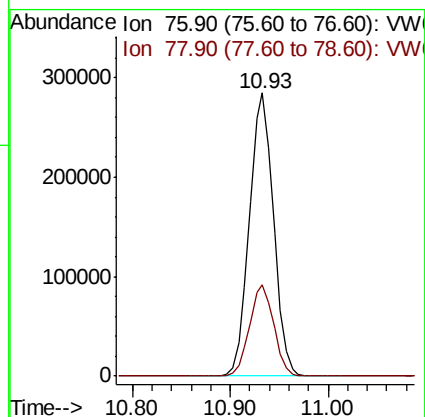
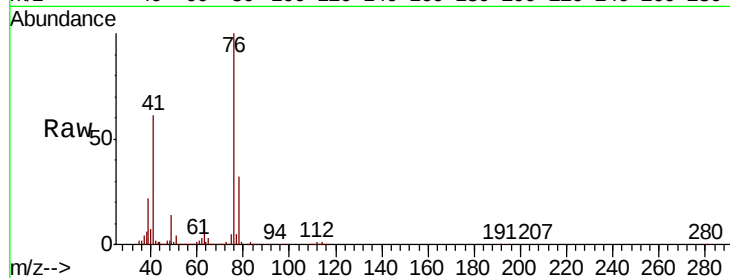
ClientSampleId :

Tot Ion: 76 Resp: 486725

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 108.856 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010342.D

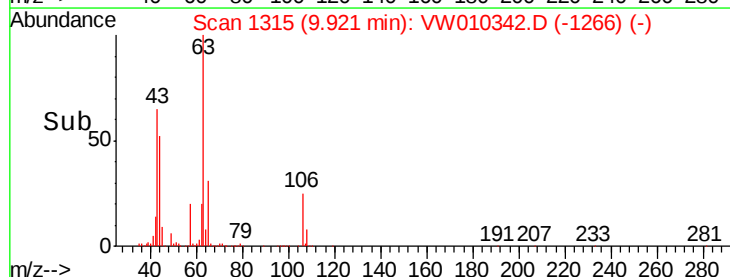
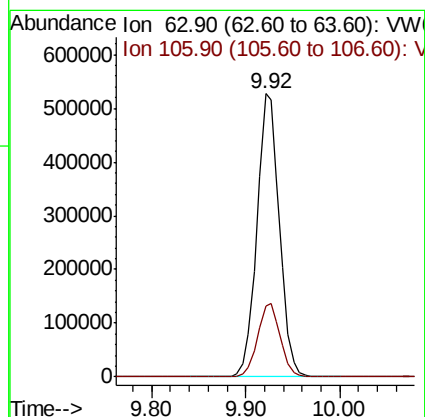
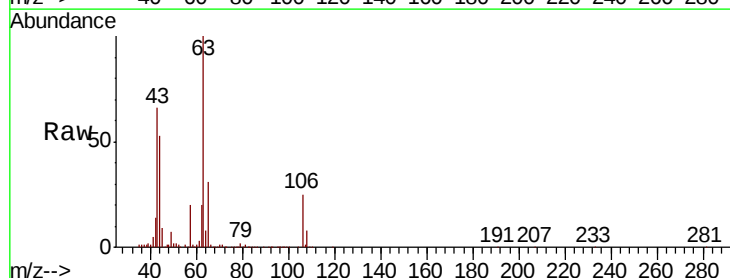
Acq: 09 May 2019 17:48

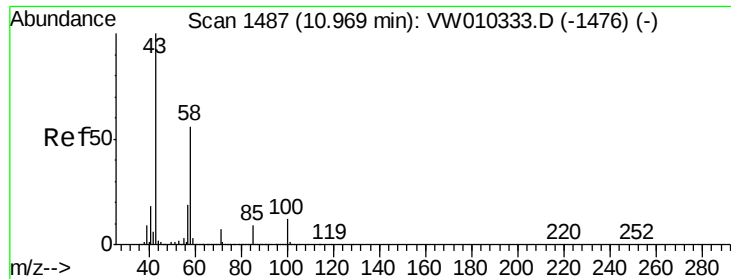
Tgt Ion: 63 Resp: 885516

Ion Ratio Lower Upper

63 100

106 26.2 21.4 32.0





#59

2-Hexanone

Concen: 96.448 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

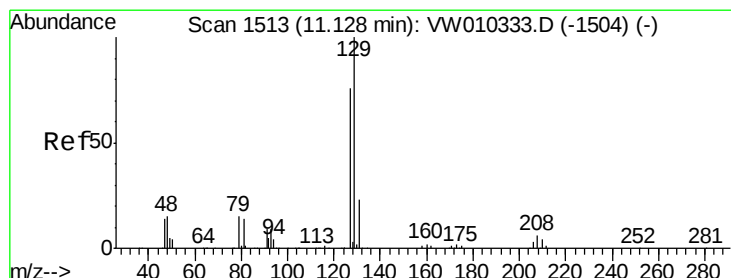
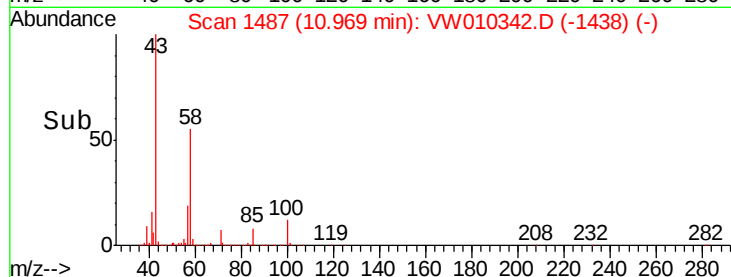
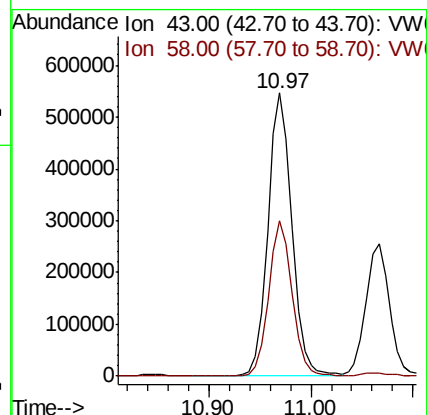
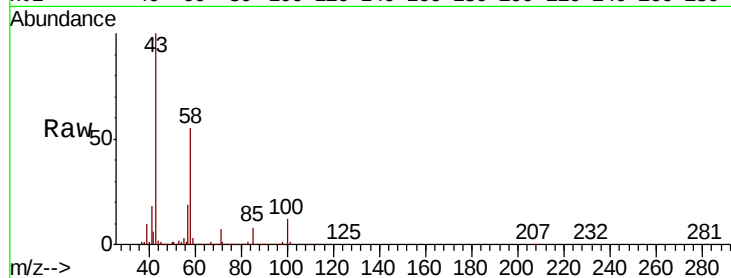
ClientSampled :

Tot Ion: 43 Resp: 889381

Ion Ratio Lower Upper

43 100

58 53.7 24.9 74.7



#60

Dibromochloromethane

Concen: 20.780 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010342.D

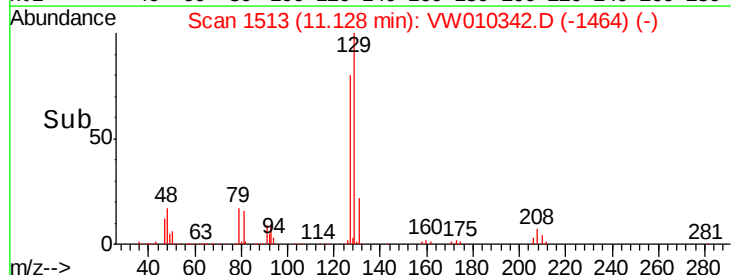
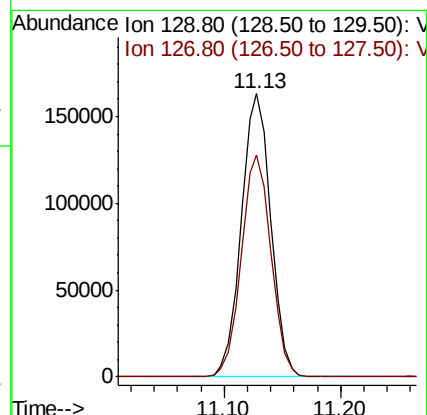
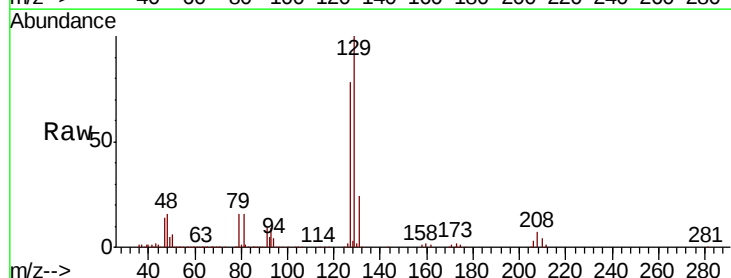
Acq: 09 May 2019 17:48

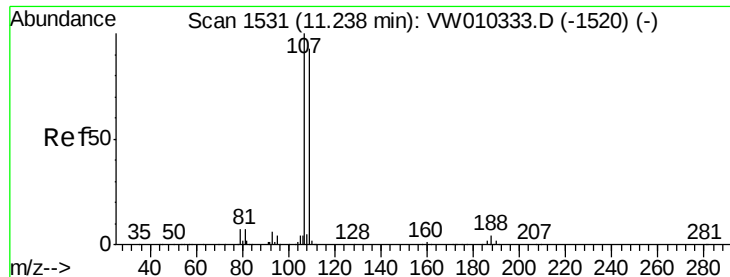
Tgt Ion: 129 Resp: 287702

Ion Ratio Lower Upper

129 100

127 78.9 38.6 116.0

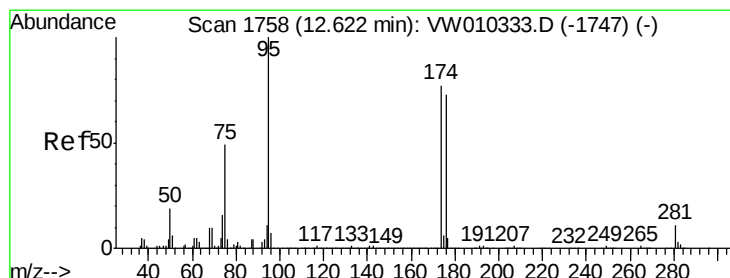
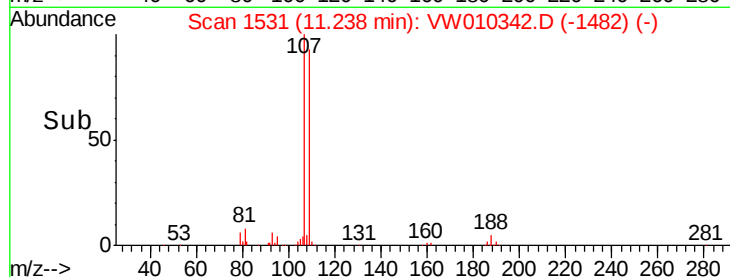
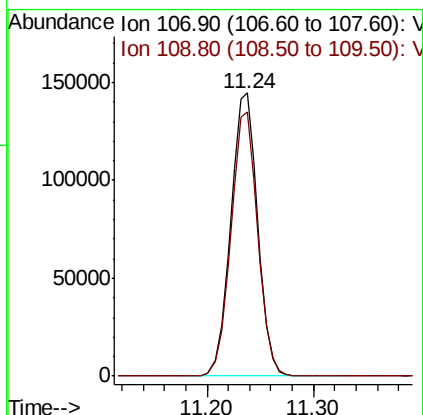
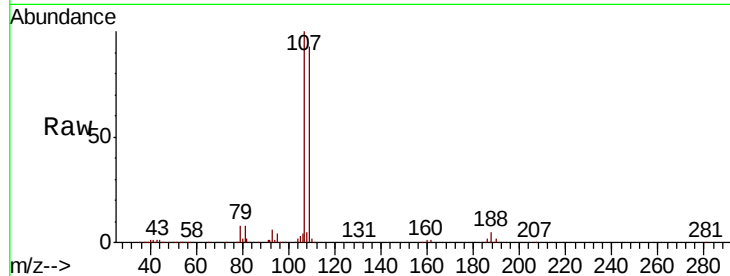




#61
 1,2-Dibromoethane
 Concen: 20.686 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010342.D
 Acq: 09 May 2019 17:48

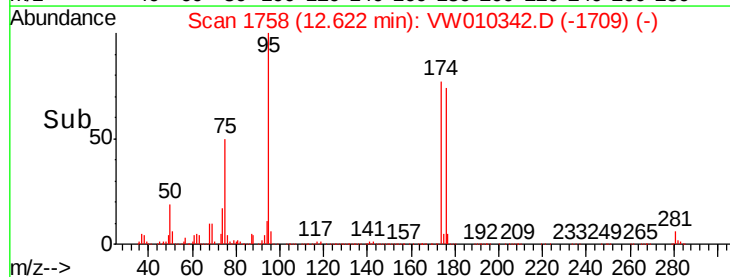
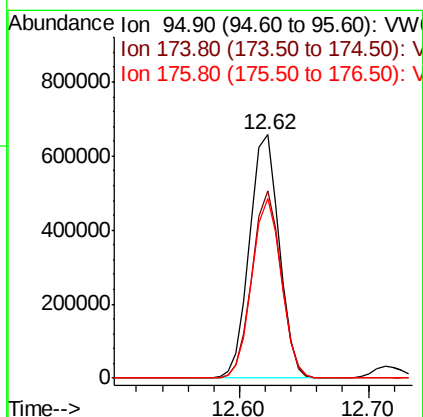
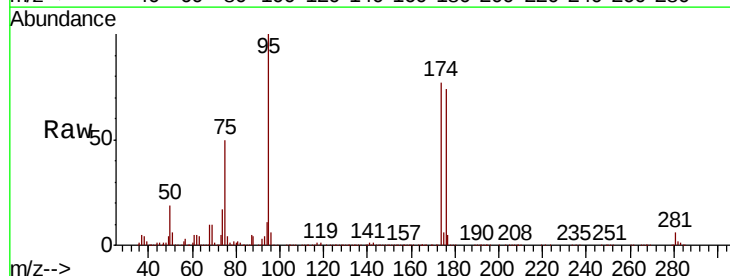
Instrument :
 MSVOA_W
 ClientSampleId :

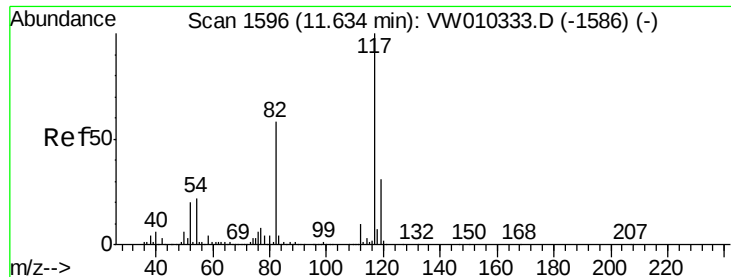
Tot Ion:107 Resp: 255491
 Ion Ratio Lower Upper
 107 100
 109 93.1 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 52.489 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010342.D
 Acq: 09 May 2019 17:48

Tgt Ion: 95 Resp: 1045933
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 151.4
 176 72.9 0.0 146.2

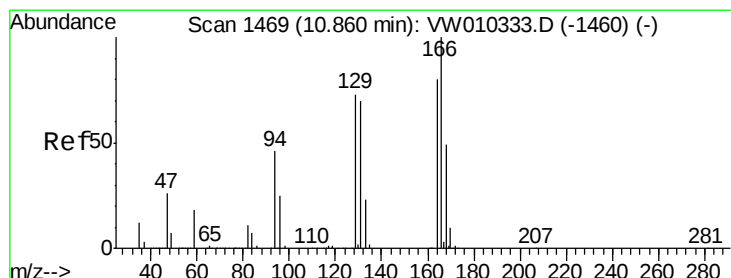
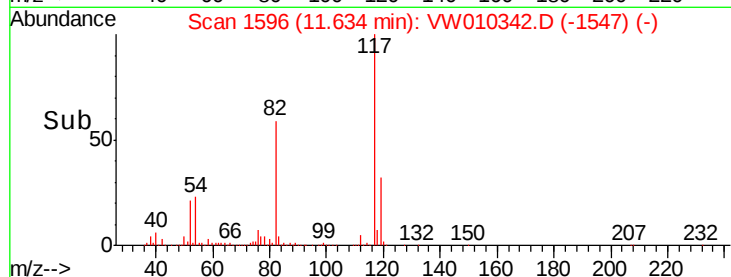
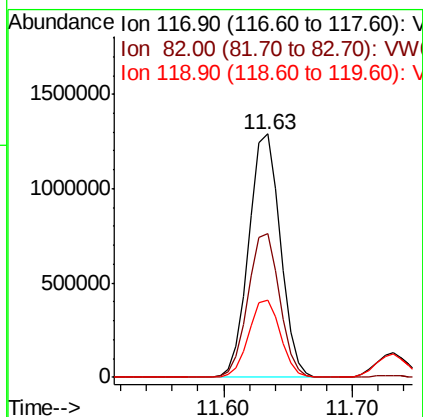
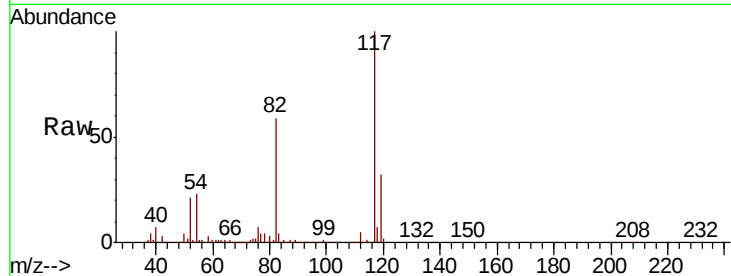




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

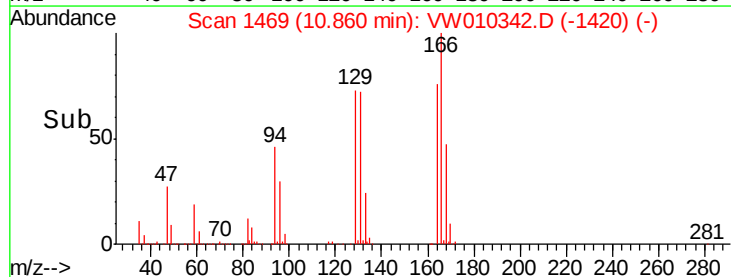
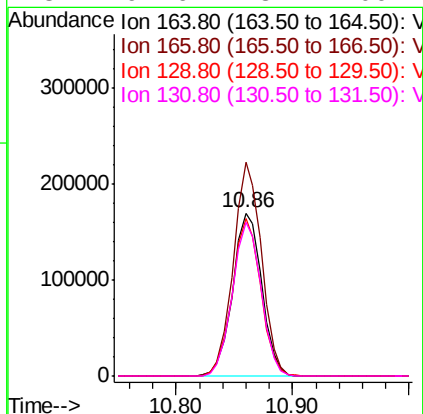
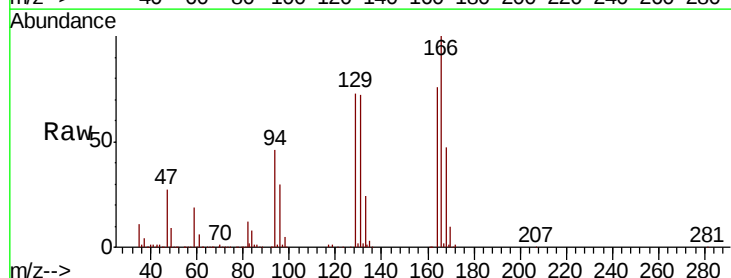
Instrument :
MSVOA_W
ClientSampleId :

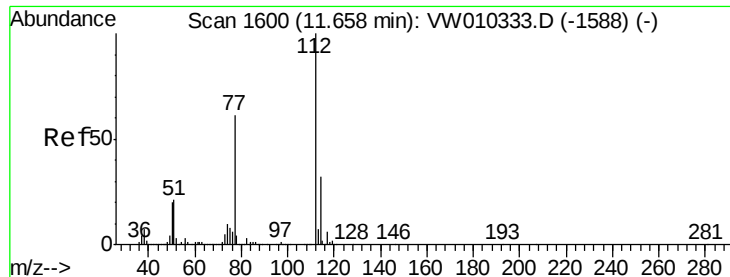
Tot Ion:117 Resp: 2176268
Ion Ratio Lower Upper
117 100
82 59.0 45.2 67.8
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 19.352 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion:164 Resp: 294363
Ion Ratio Lower Upper
164 100
166 131.3 101.2 151.8
129 96.4 77.8 116.6
131 94.6 73.1 109.7





#65

Chlorobenzene

Concen: 20.534 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

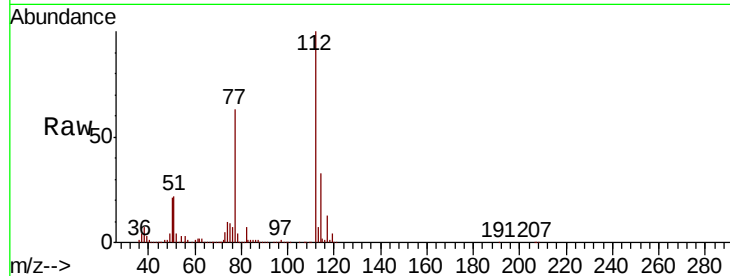
ClientSampleId :

Tot Ion:112 Resp: 925056

Ion Ratio Lower Upper

112 100

114 33.0 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

600000

500000

400000

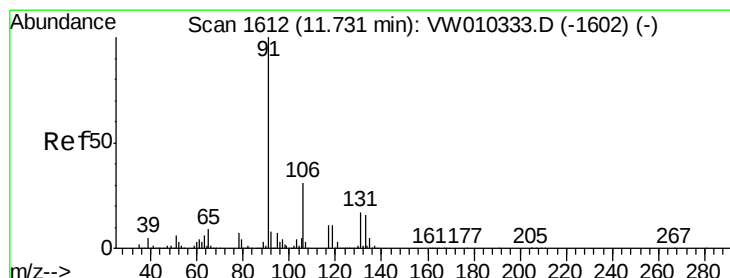
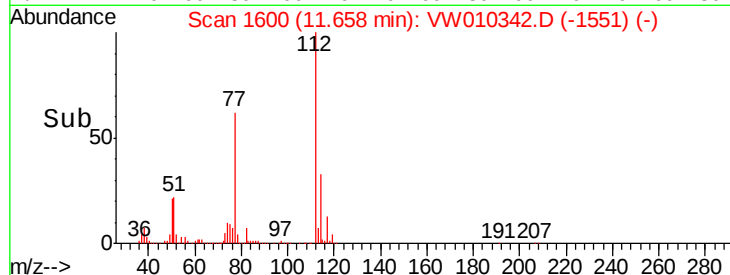
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.921 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

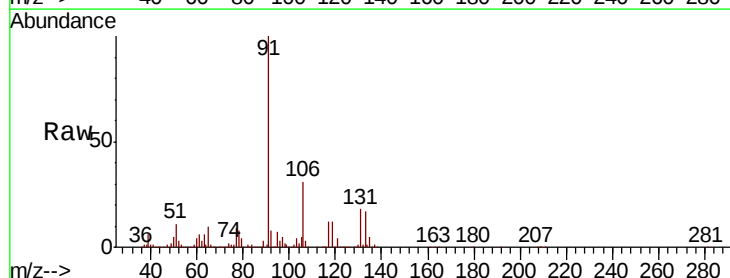
Tgt Ion:131 Resp: 318553

Ion Ratio Lower Upper

131 100

133 95.9 46.5 139.5

119 65.6 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

500000

400000

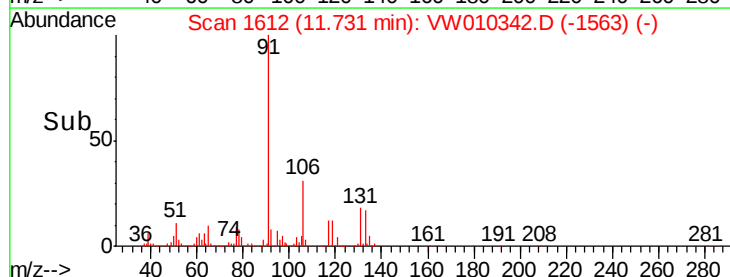
300000

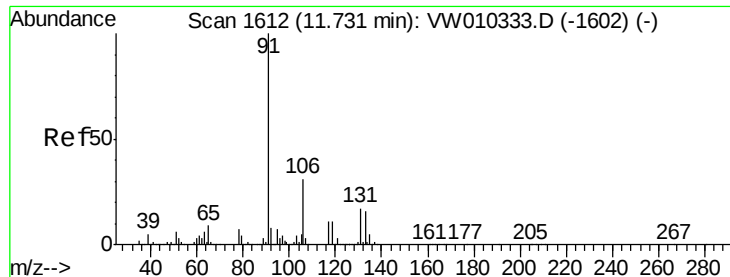
200000

100000

0

Time-->

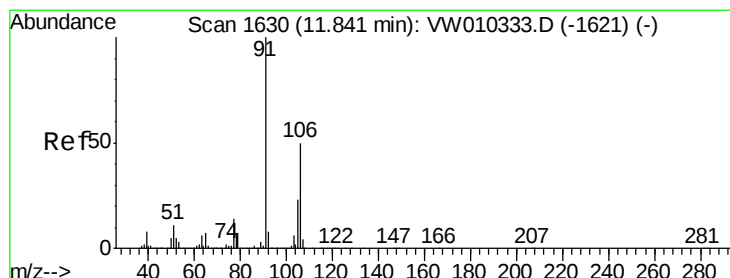
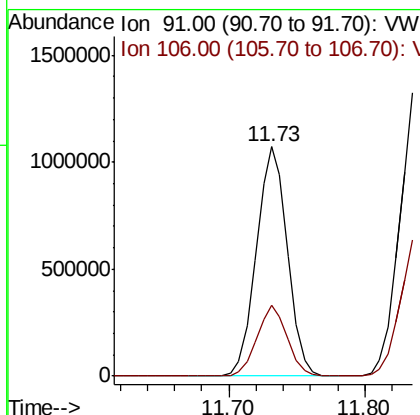
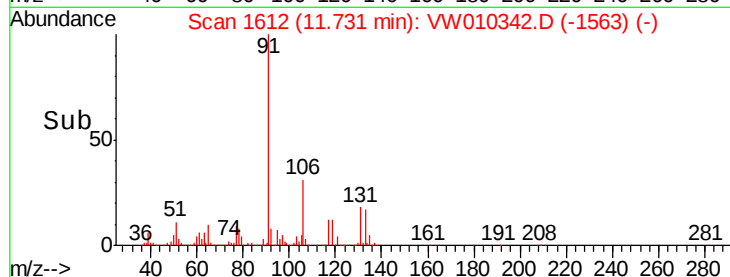
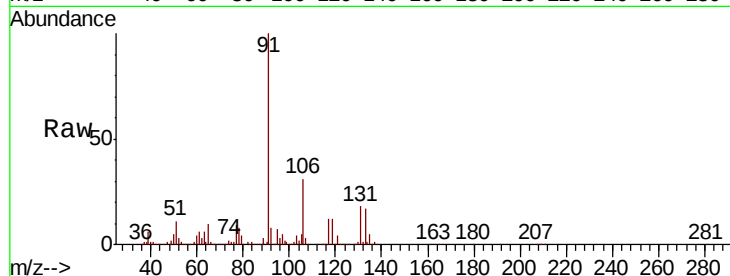




#67
Ethyl Benzene
Concen: 20.637 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

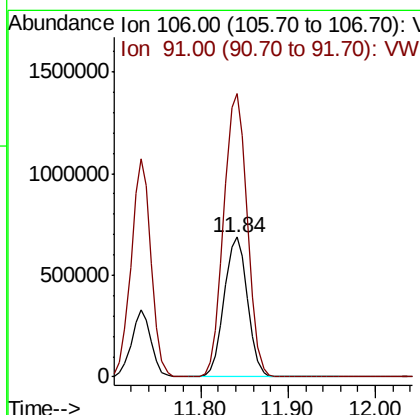
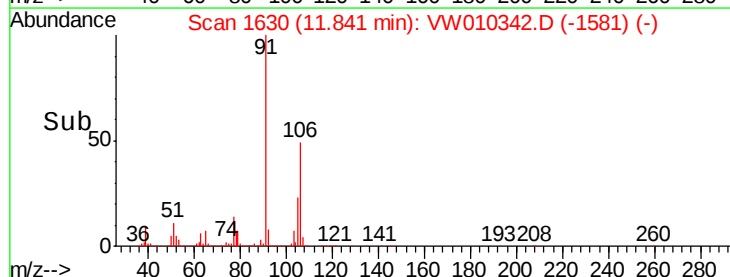
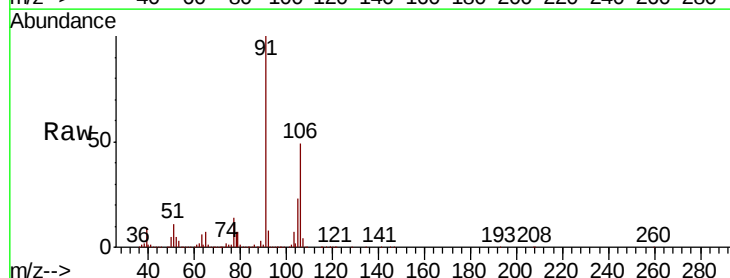
Instrument :
MSVOA_W
ClientSampled :

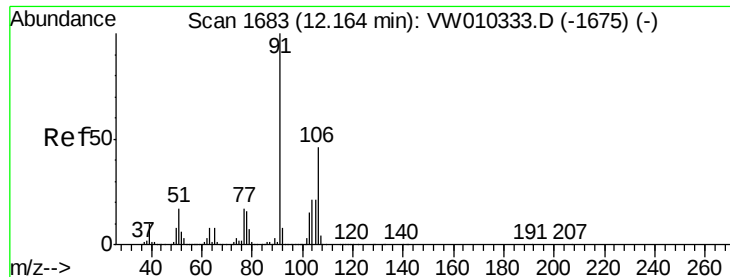
Tot Ion: 91 Resp: 1710311
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.8



#68
m/p-Xylenes
Concen: 41.242 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion: 106 Resp: 1269897
Ion Ratio Lower Upper
106 100
91 204.7 165.0 247.6

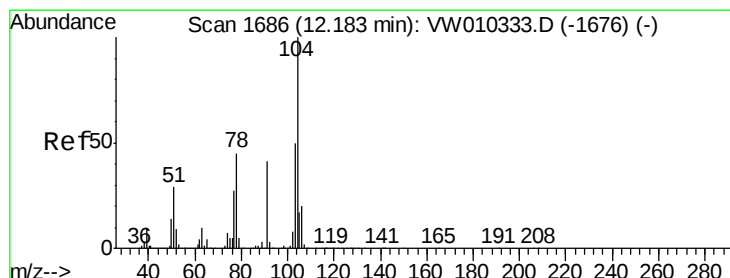
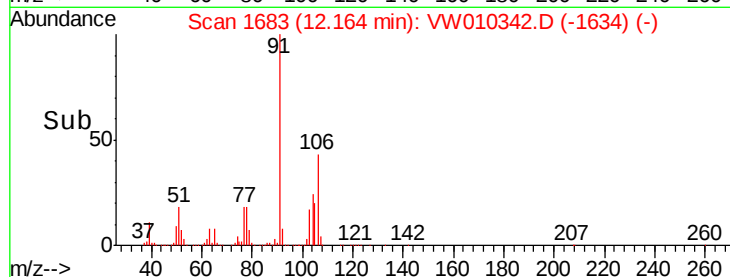
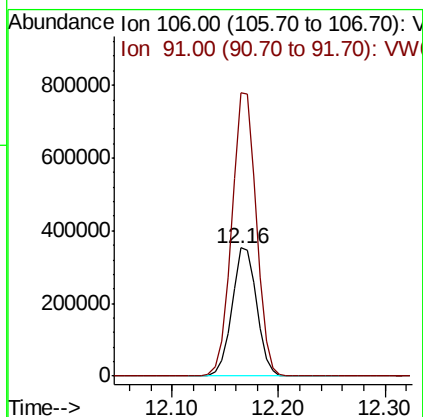
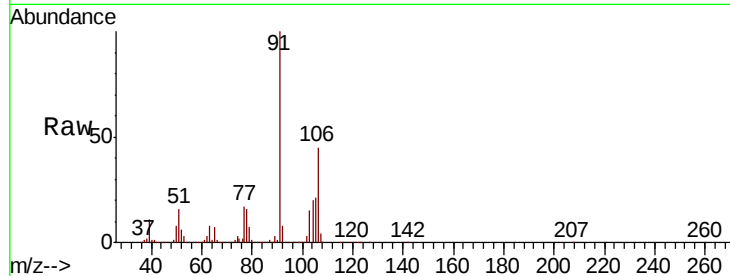




#69
o-Xylene
Concen: 20.673 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

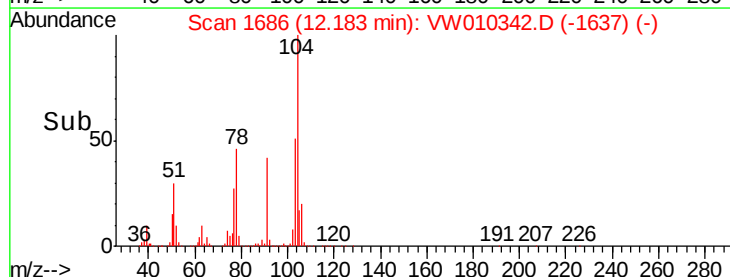
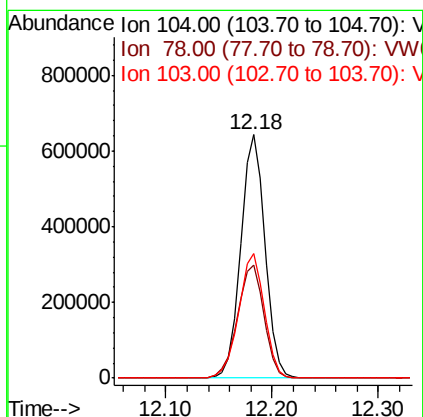
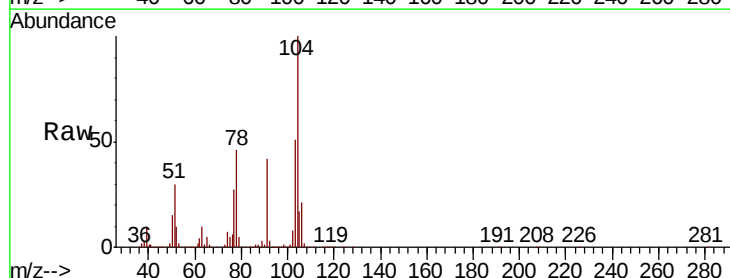
Instrument :
MSVOA_W
ClientSampleId :

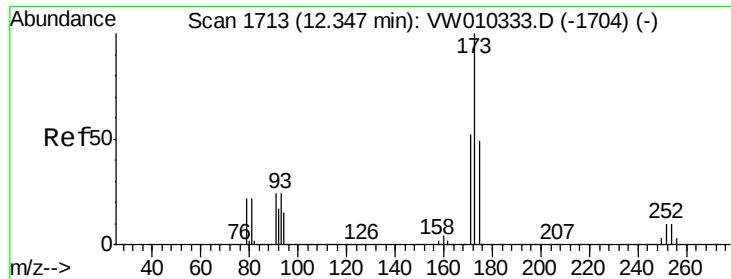
Tot Ion:106 Resp: 575829
Ion Ratio Lower Upper
106 100
91 219.6 110.5 331.4



#70
Styrene
Concen: 21.141 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion:104 Resp: 1026049
Ion Ratio Lower Upper
104 100
78 51.2 42.5 63.7
103 54.4 43.6 65.4





#71

Bromoform

Concen: 19.258 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

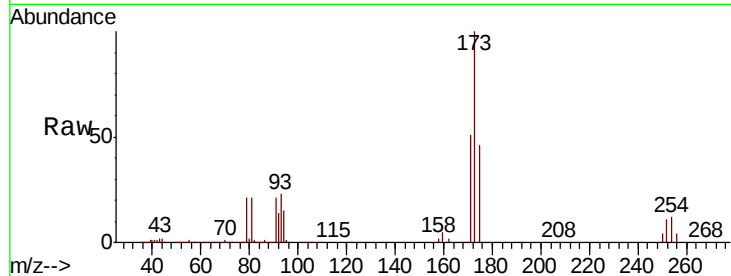
Tot Ion:173 Resp: 167625

Ion Ratio Lower Upper

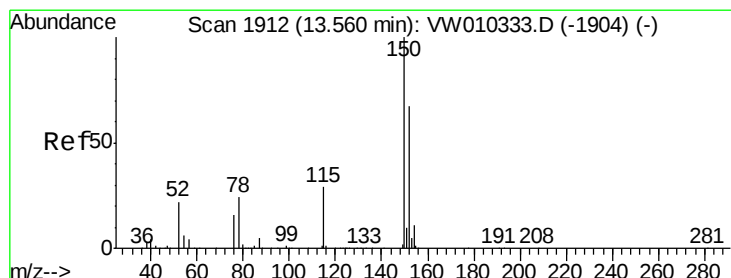
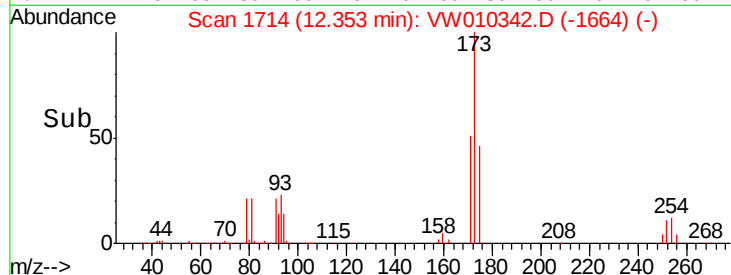
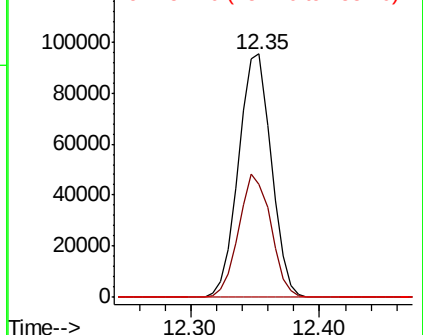
173 100

175 49.8 23.8 71.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

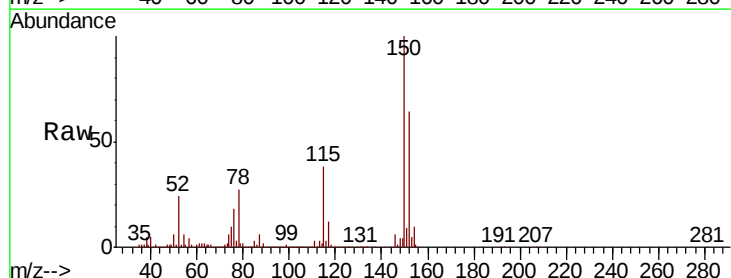
Tgt Ion:152 Resp: 1100080

Ion Ratio Lower Upper

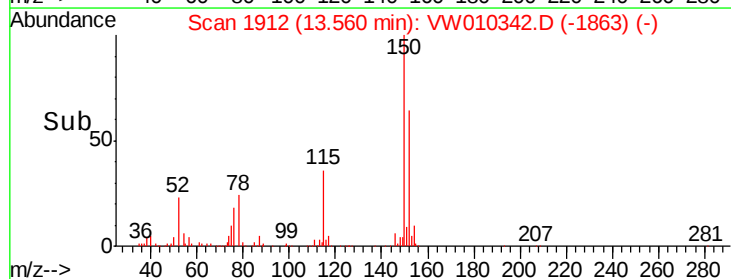
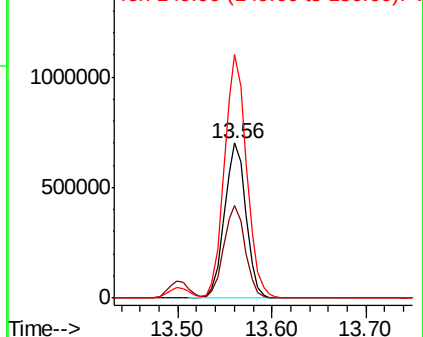
152 100

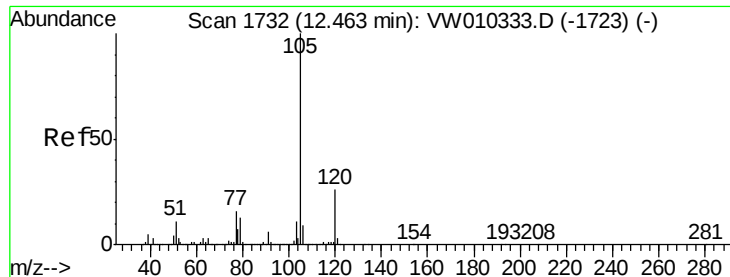
115 59.8 30.4 91.2

150 162.8 0.0 347.0



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: 19.671 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

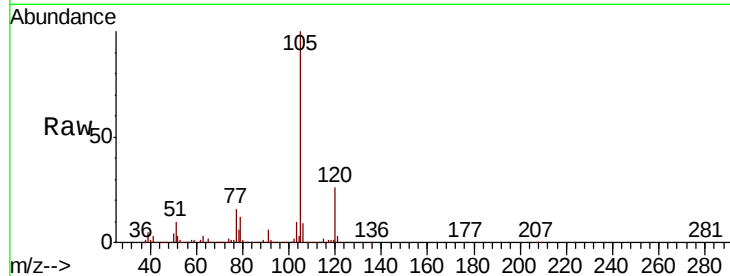
ClientSampled :

Tot Ion:105 Resp: 1577338

Ion Ratio Lower Upper

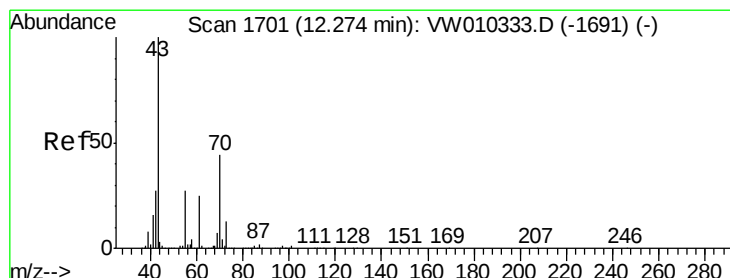
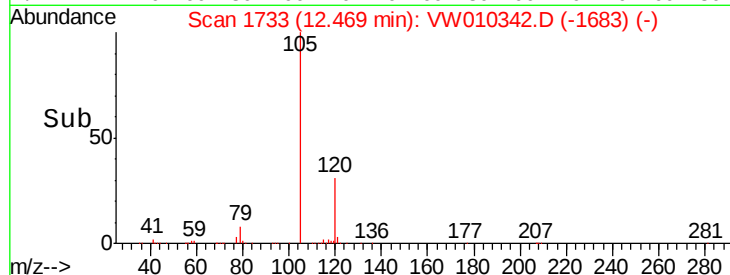
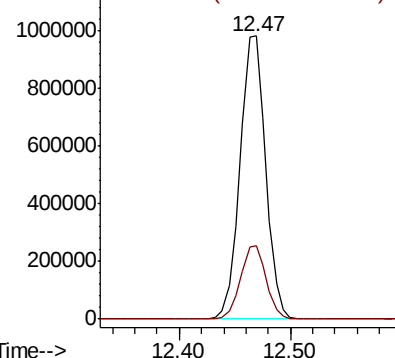
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.436 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Tgt Ion: 43 Resp: 423346

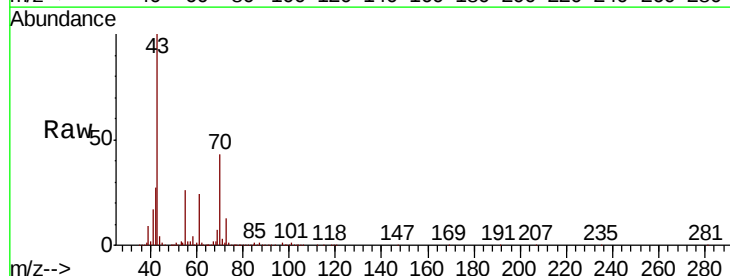
Ion Ratio Lower Upper

43 100

70 42.5 31.3 46.9

55 27.2 20.0 30.0

61 23.9 17.8 26.8

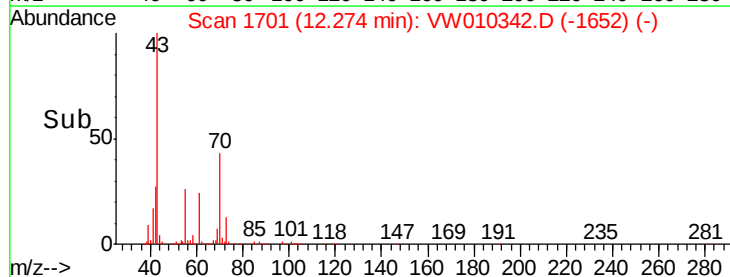
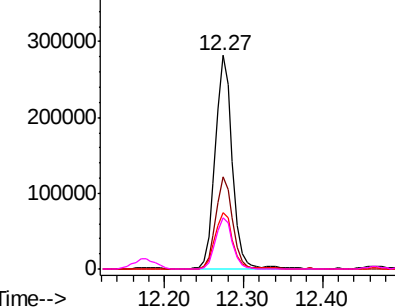


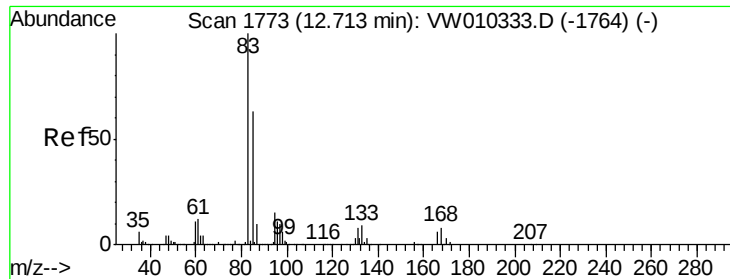
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.573 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

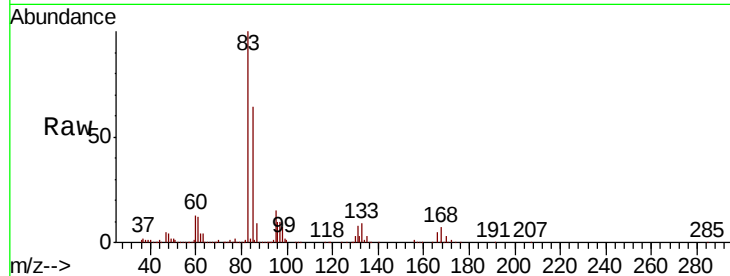
Tot Ion: 83 Resp: 345803

Ion Ratio Lower Upper

83 100

131 9.4 5.3 15.8

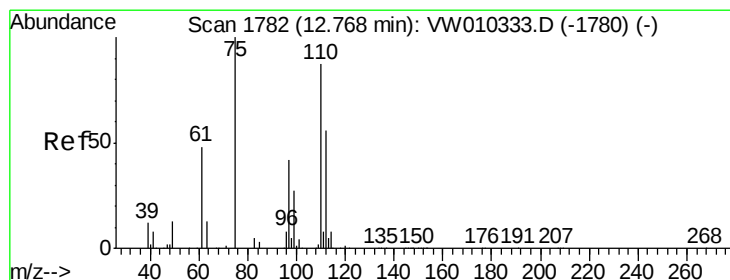
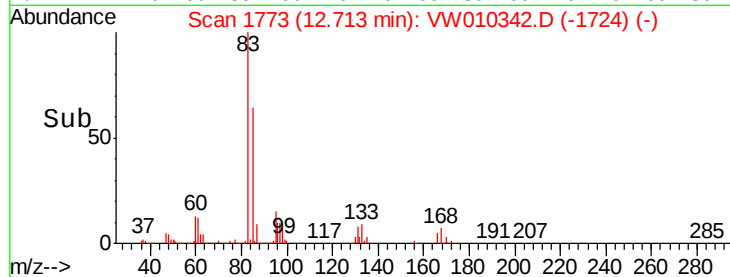
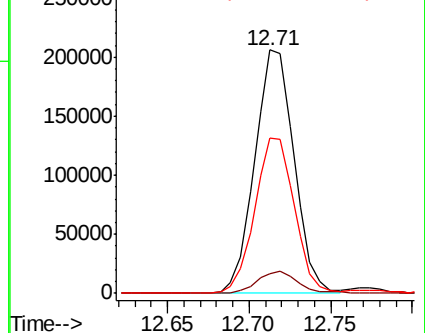
85 64.1 32.0 96.2



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: 33.316 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010342.D

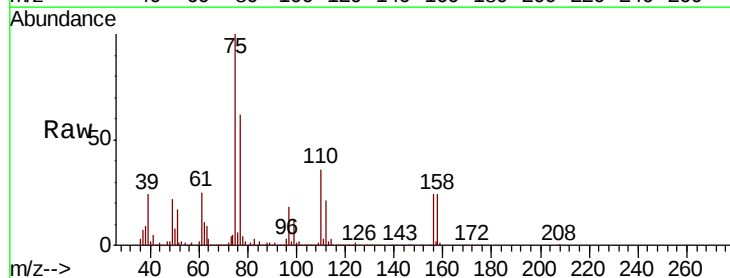
Acq: 09 May 2019 17:48

Tgt Ion: 75 Resp: 427317

Ion Ratio Lower Upper

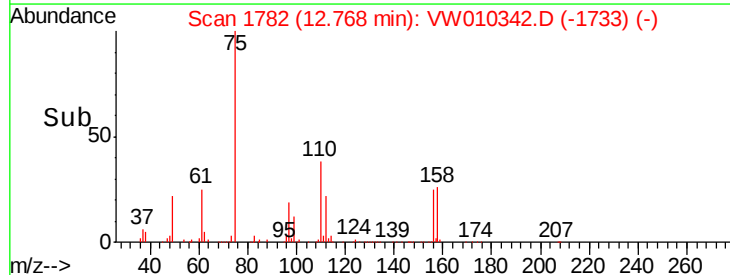
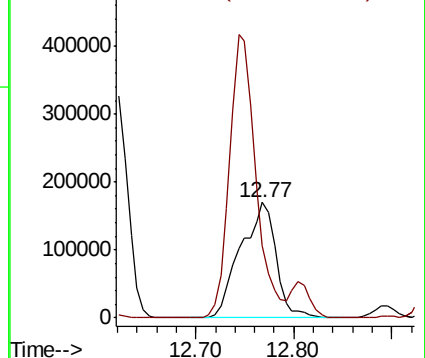
75 100

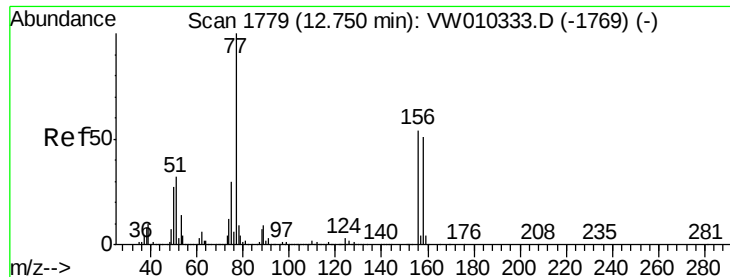
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.083 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

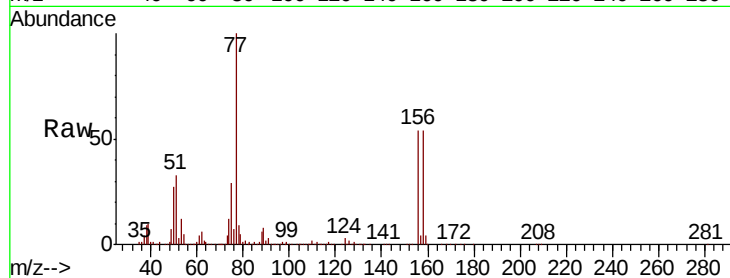
Tot Ion:156 Resp: 363617

Ion Ratio Lower Upper

156 100

77 215.5 102.5 307.4

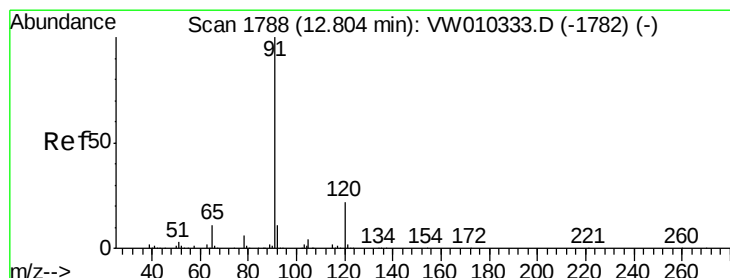
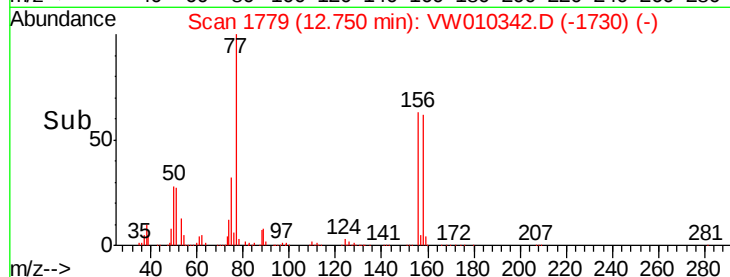
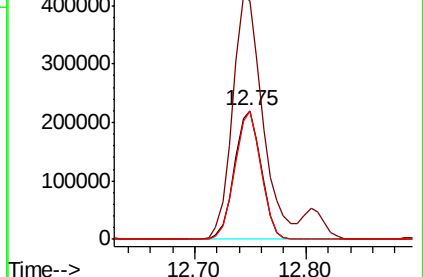
158 97.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.130 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010342.D

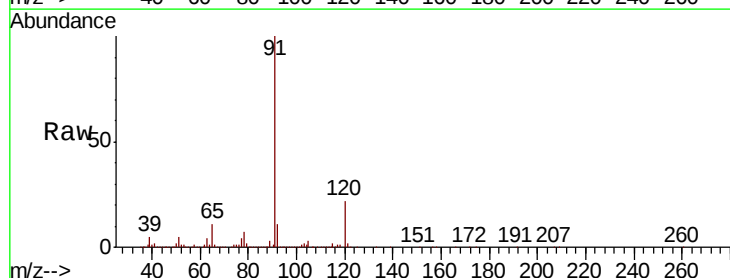
Acq: 09 May 2019 17:48

Tgt Ion: 91 Resp: 1993567

Ion Ratio Lower Upper

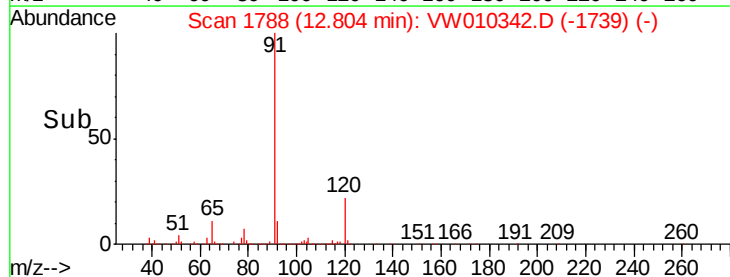
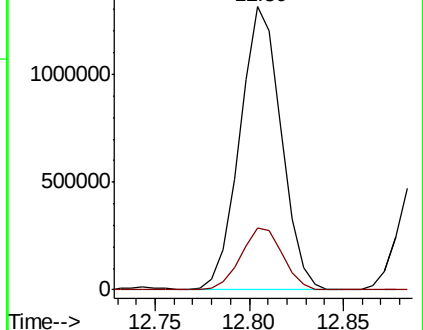
91 100

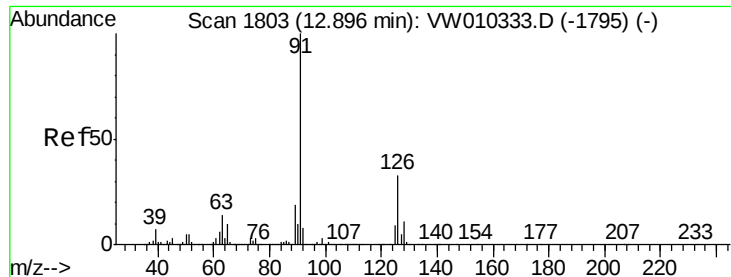
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.097 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

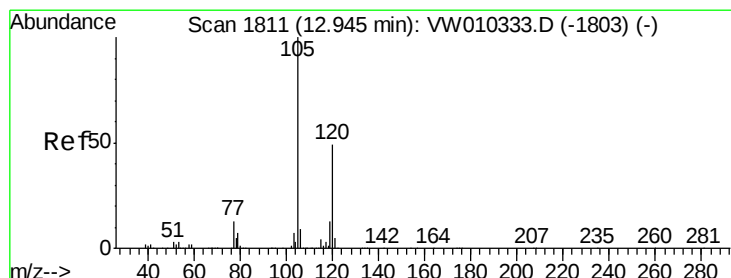
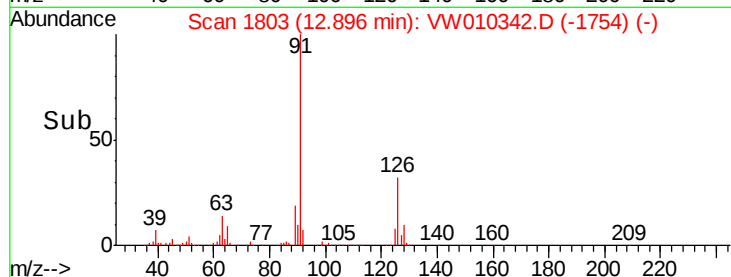
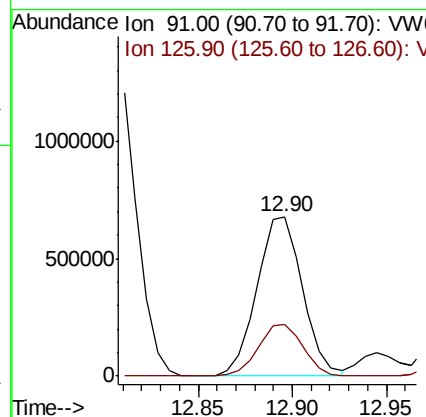
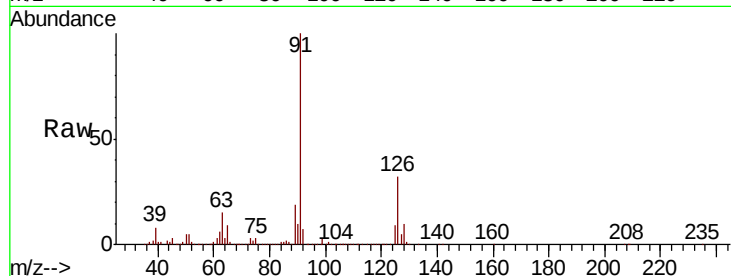
ClientSampleId :

Tot Ion: 91 Resp: 1133453

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 20.748 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010342.D

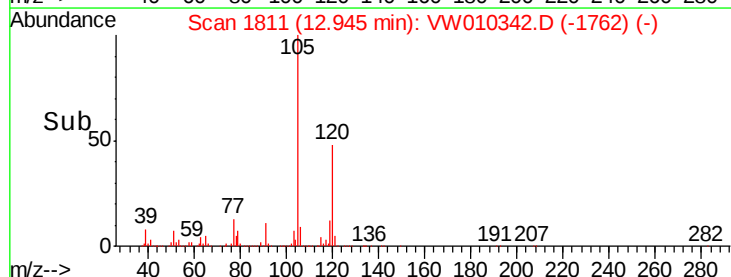
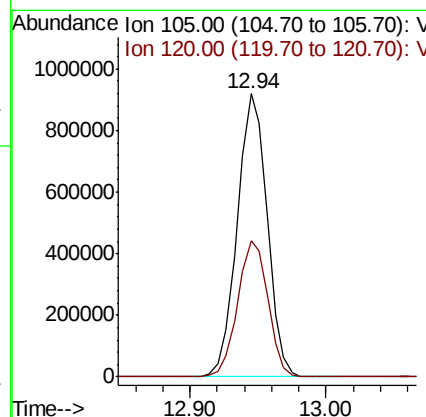
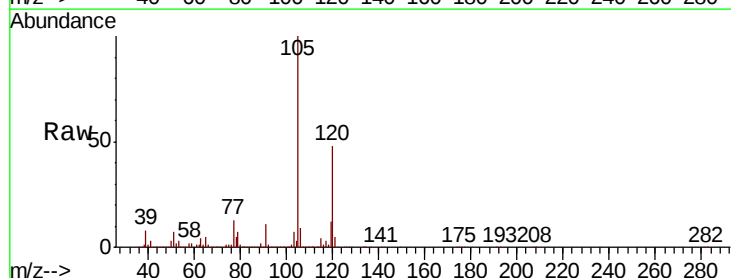
Acq: 09 May 2019 17:48

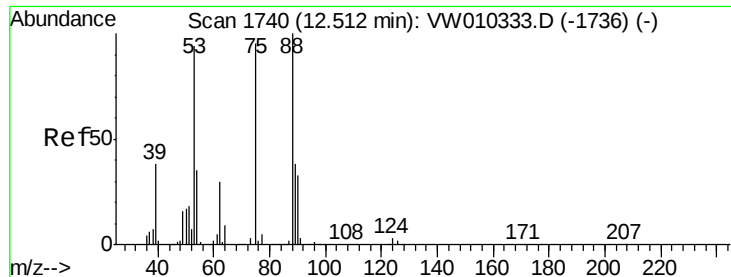
Tgt Ion:105 Resp: 1402535

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.228 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

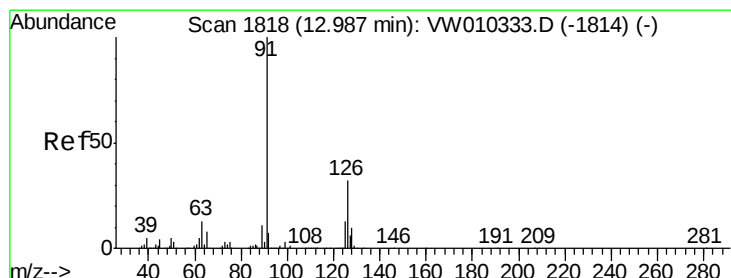
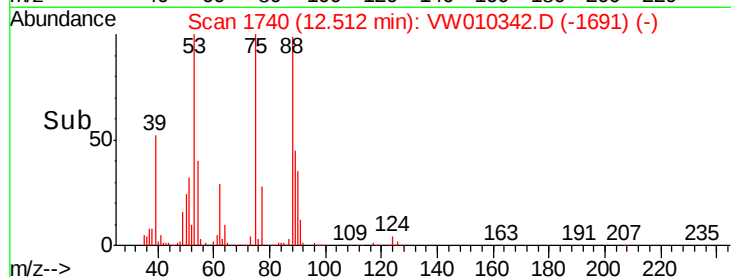
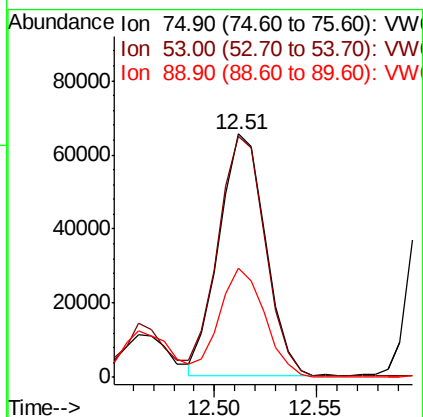
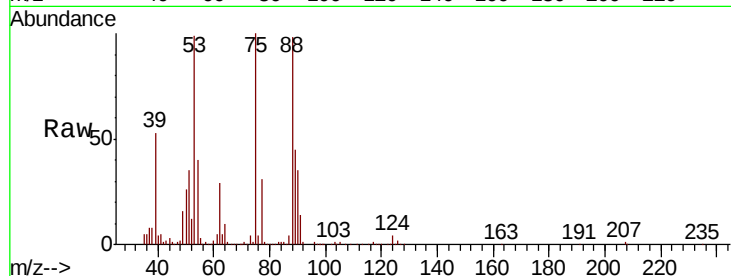
Tot Ion: 75 Resp: 103524

Ion Ratio Lower Upper

75 100

53 102.2 89.8 134.8

89 44.3 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.235 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010342.D

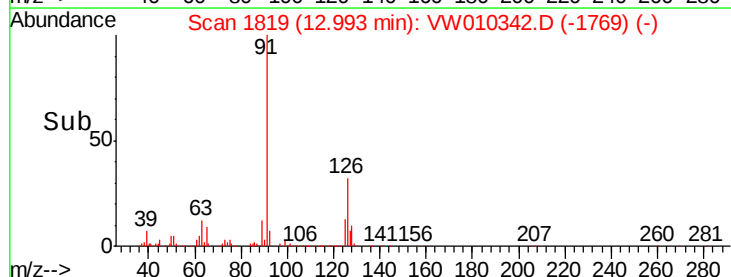
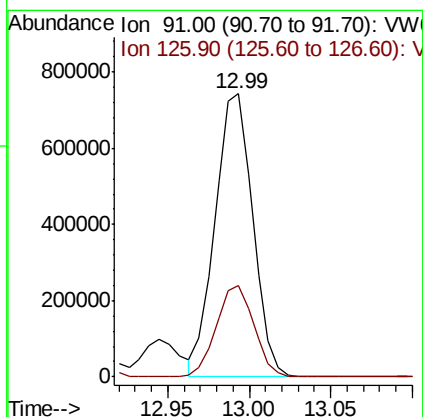
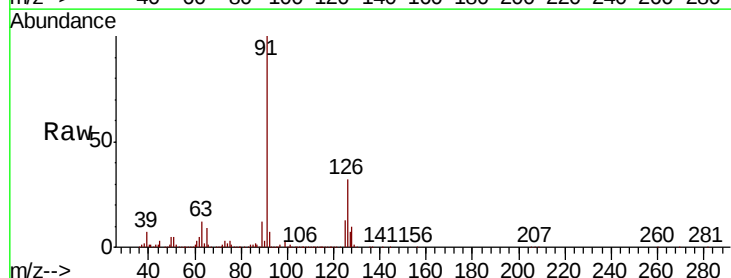
Acq: 09 May 2019 17:48

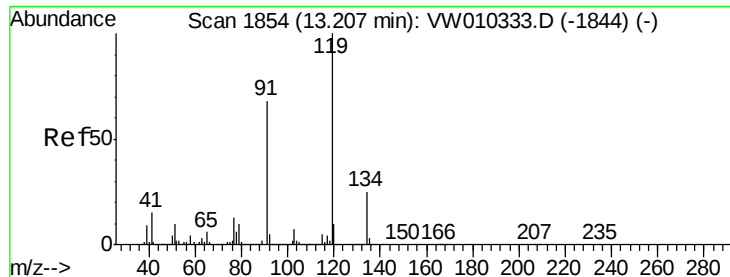
Tgt Ion: 91 Resp: 1195719

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.1





#83

tert-Butylbenzene

Concen: 19.689 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

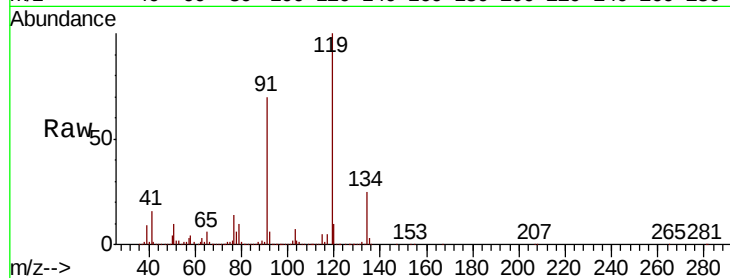
Tot Ion:119 Resp: 1110172

Ion Ratio Lower Upper

119 100

91 68.5 34.8 104.4

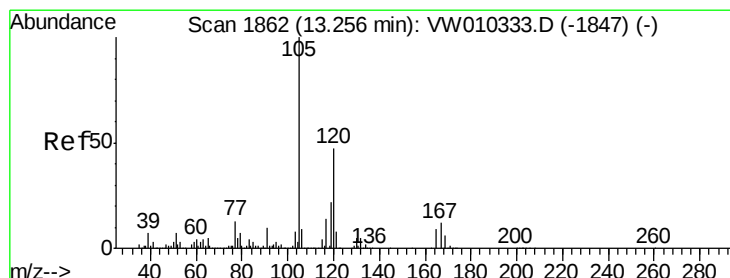
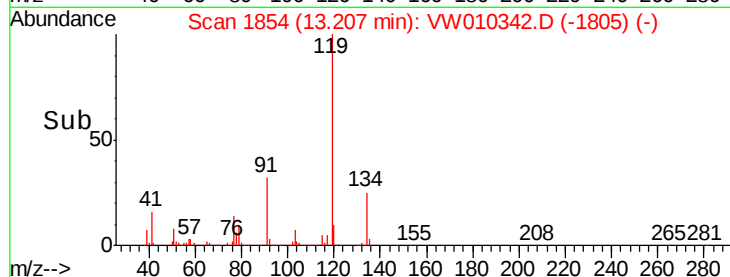
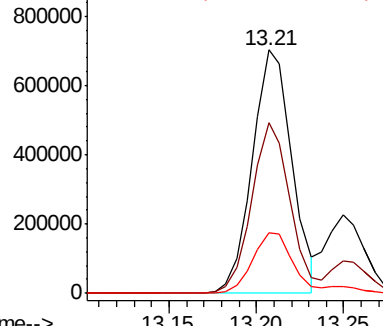
134 25.1 13.7 41.1



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: 21.577 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010342.D

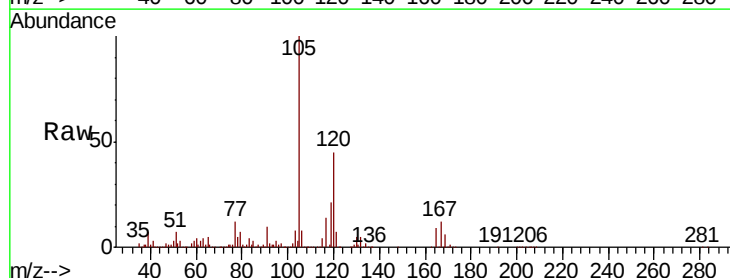
Acq: 09 May 2019 17:48

Tgt Ion:105 Resp: 1449417

Ion Ratio Lower Upper

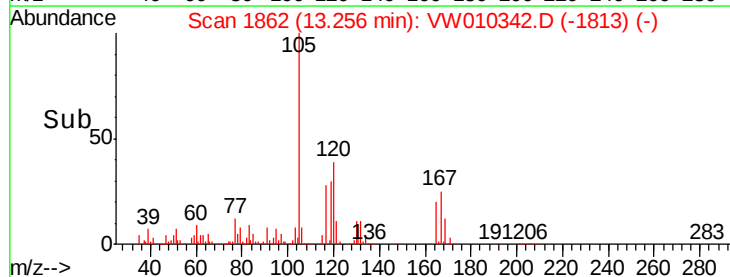
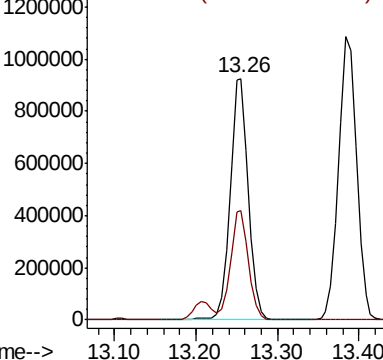
105 100

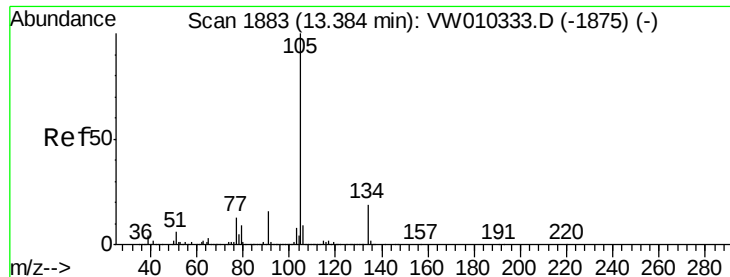
120 44.8 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.759 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

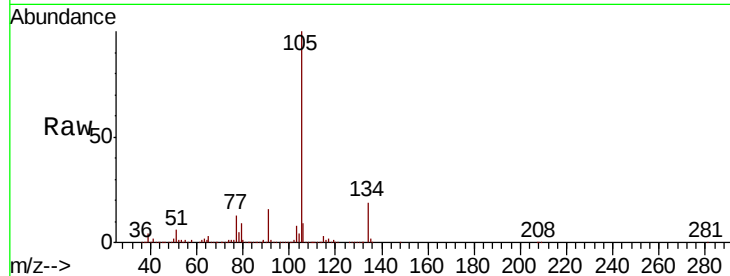
ClientSampled :

Tot Ion:105 Resp: 1644695

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

400000

200000

0

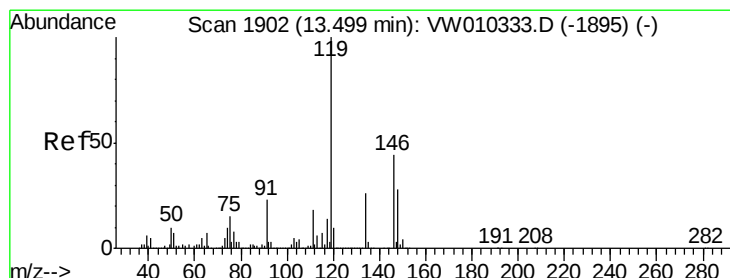
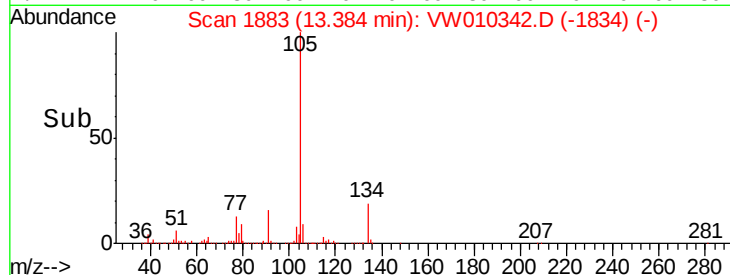
13.38

13.35

13.40

13.45

Time-->



#86

p-Isopropyltoluene

Concen: 20.085 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

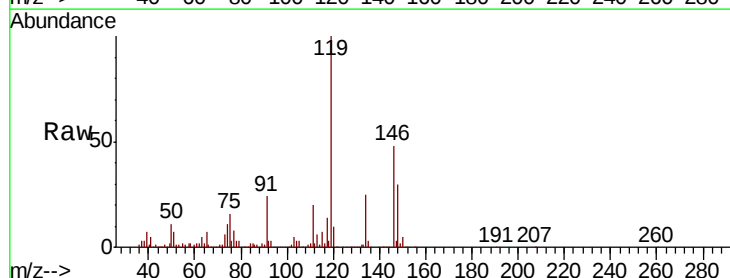
Tgt Ion:119 Resp: 1484373

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 24.1 12.3 36.9



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

1000000

500000

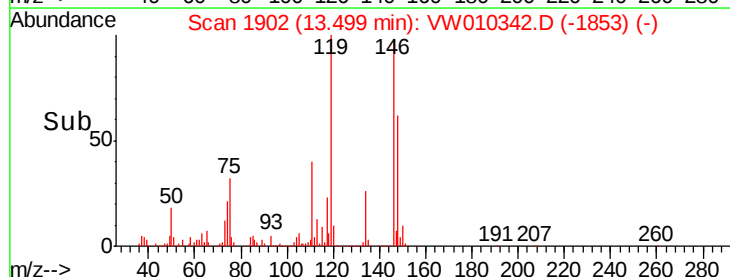
0

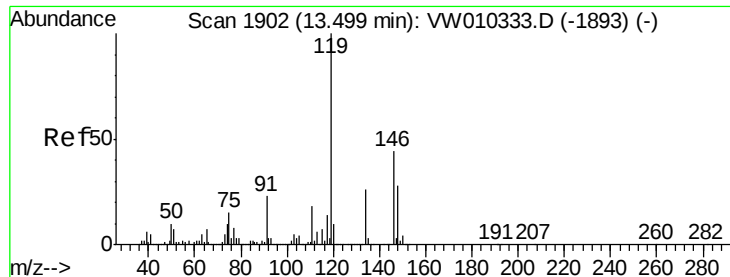
13.50

13.45

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.366 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampled :

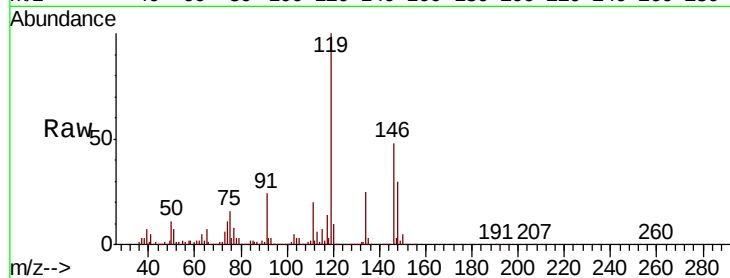
Tot Ion:146 Resp: 772438

Ion Ratio Lower Upper

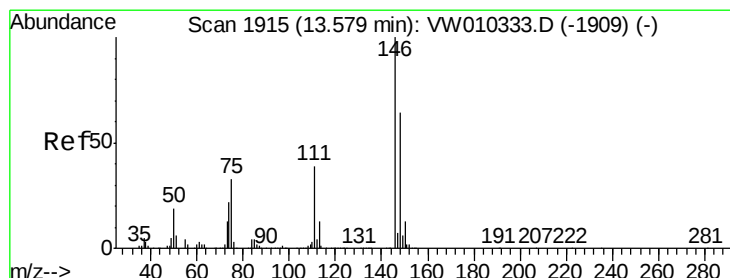
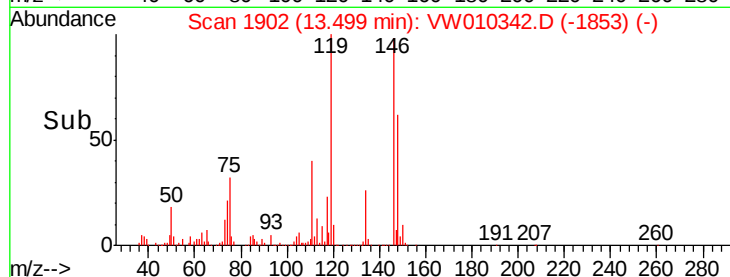
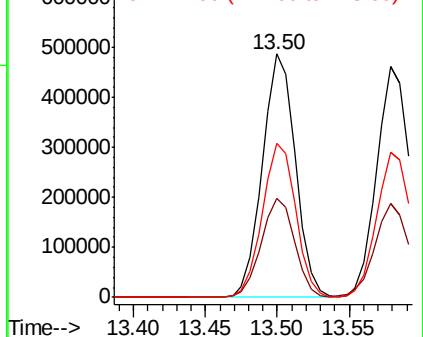
146 100

111 41.0 20.3 61.0

148 63.9 32.0 96.2



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: 20.483 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

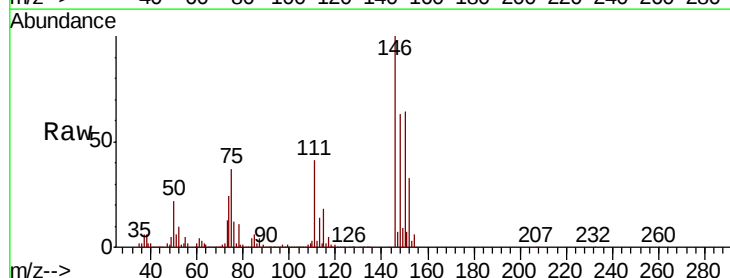
Tgt Ion:146 Resp: 734897

Ion Ratio Lower Upper

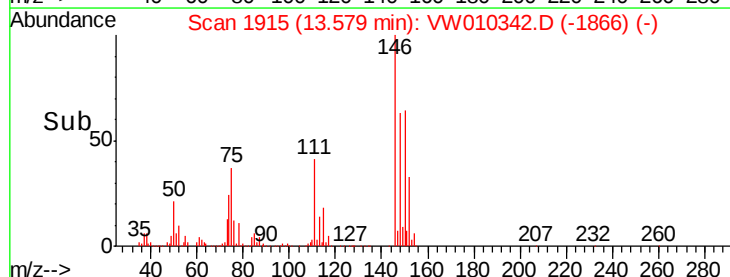
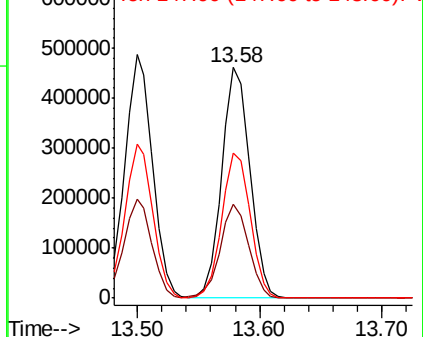
146 100

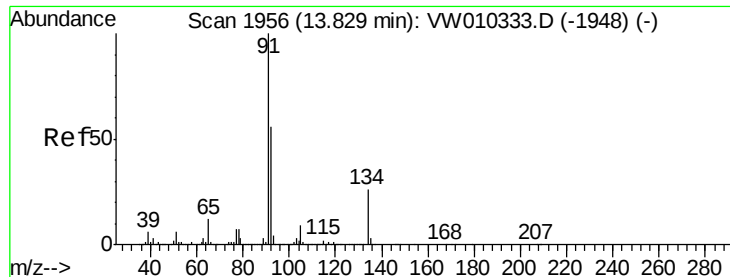
111 41.3 20.1 60.3

148 63.7 31.8 95.3



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: 19.823 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampled :

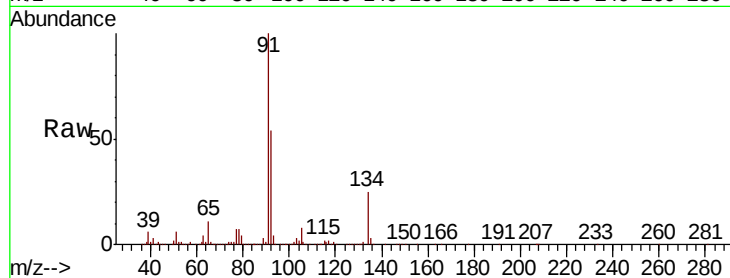
Tot Ion: 91 Resp: 1468967

Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.5	79.4
134	24.4	12.4	37.0

91 100

92 54.3 26.5 79.4

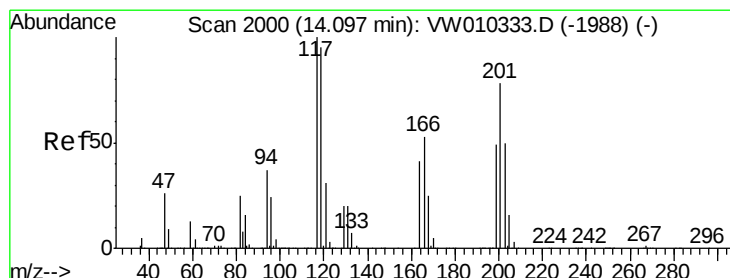
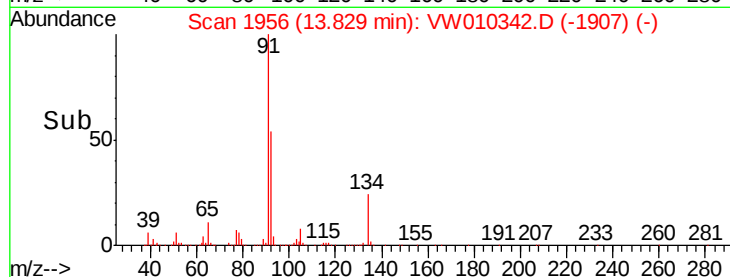
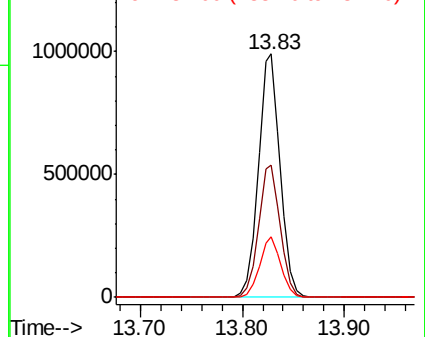
134 24.4 12.4 37.0



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: 18.762 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010342.D

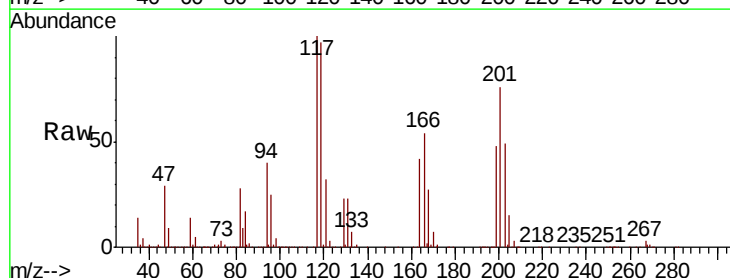
Acq: 09 May 2019 17:48

Tgt Ion: 117 Resp: 257179

Ion	Ratio	Lower	Upper
117	100		
201	77.3	36.1	108.3

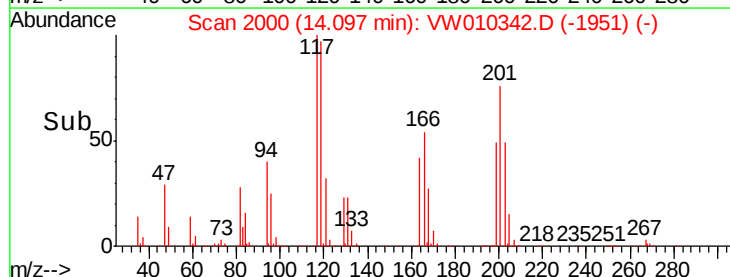
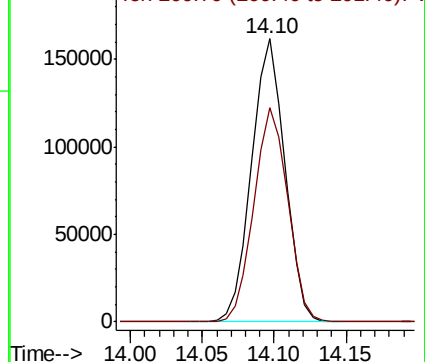
117 100

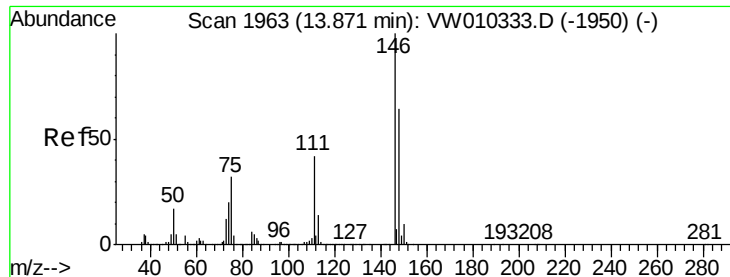
201 77.3 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.404 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

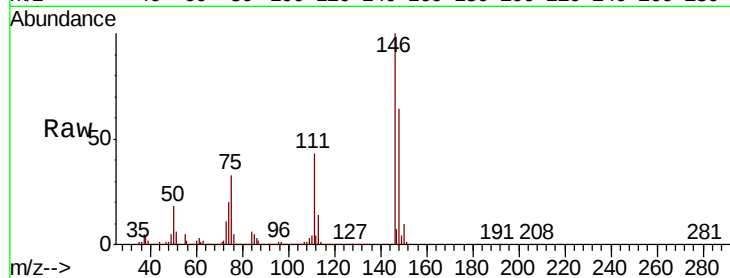
Tot Ion:146 Resp: 685006

Ion Ratio Lower Upper

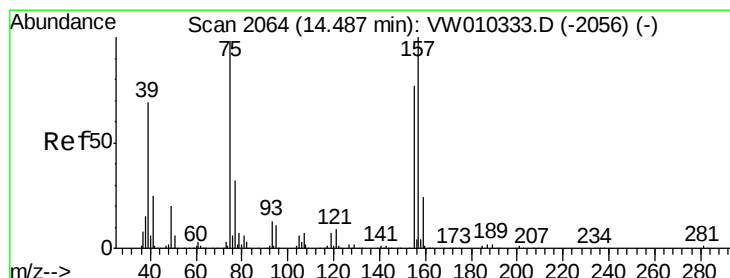
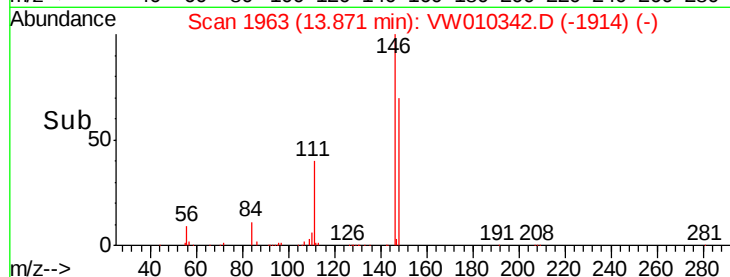
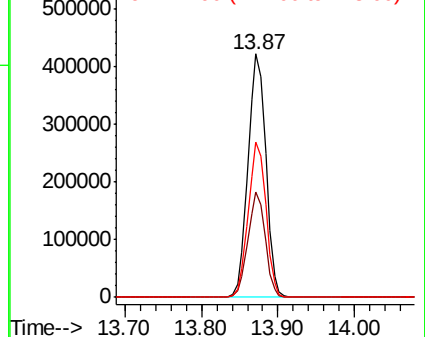
146 100

111 42.0 20.9 62.8

148 63.3 31.9 95.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.033 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010342.D

Acq: 09 May 2019 17:48

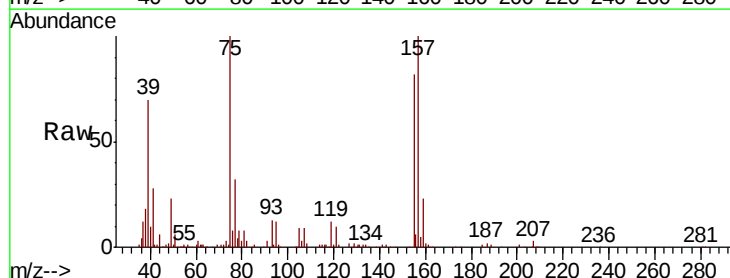
Tgt Ion: 75 Resp: 57373

Ion Ratio Lower Upper

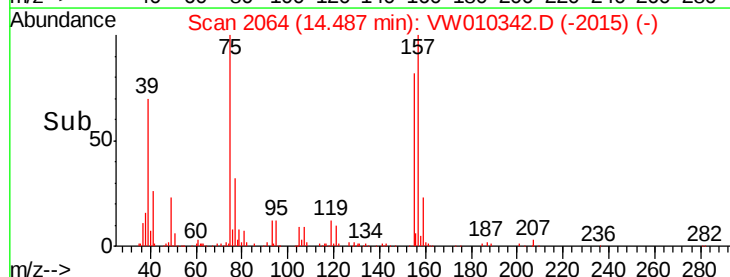
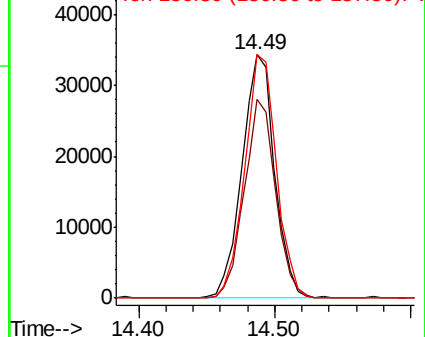
75 100

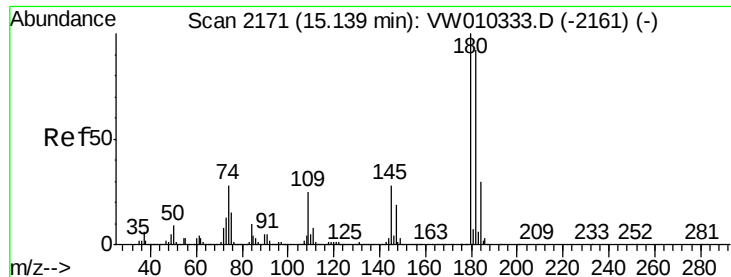
155 78.7 37.1 111.5

157 97.6 47.3 141.9



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

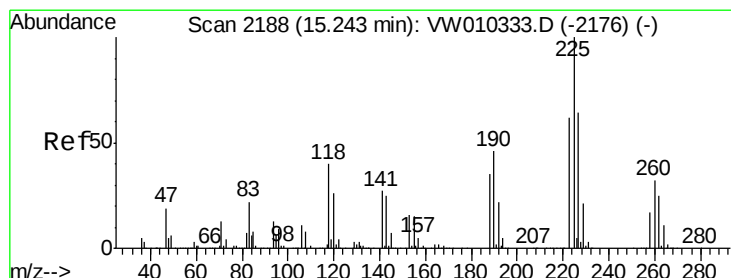
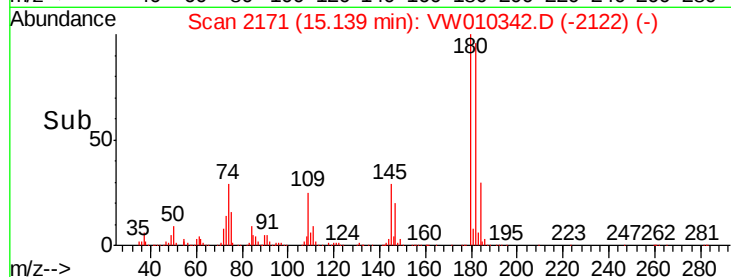
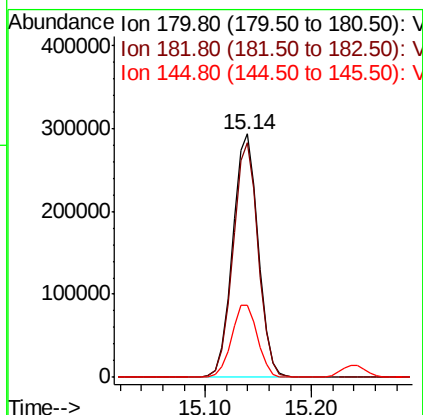
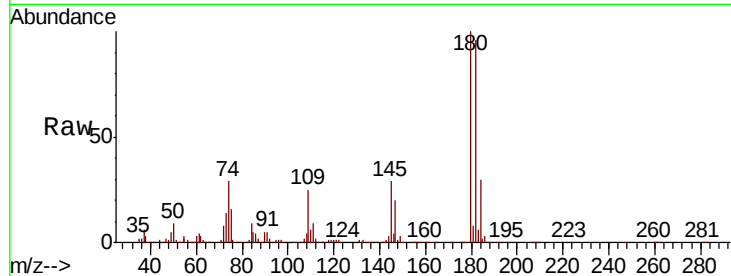




#93
 1,2,4-Trichlorobenzene
 Concen: 22.498 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010342.D
 Acq: 09 May 2019 17:48

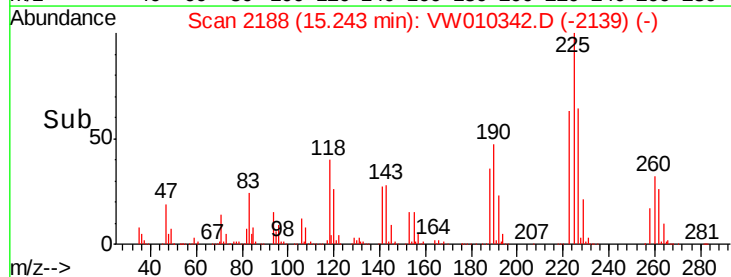
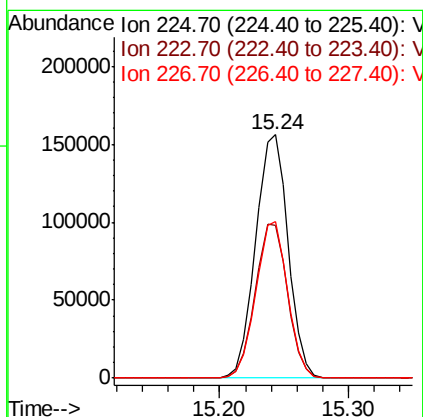
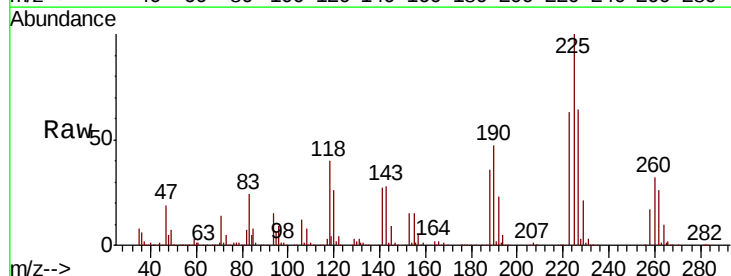
Instrument :
 MSVOA_W
 ClientSampleId :

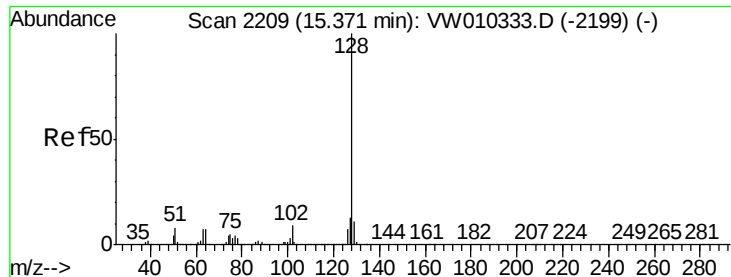
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.4
145	30.4	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 19.325 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010342.D
 Acq: 09 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.5
227	62.8	31.8	95.3

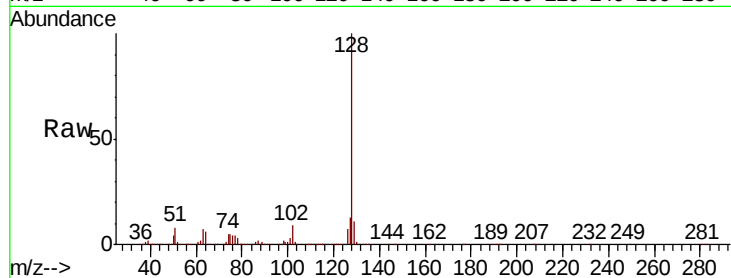




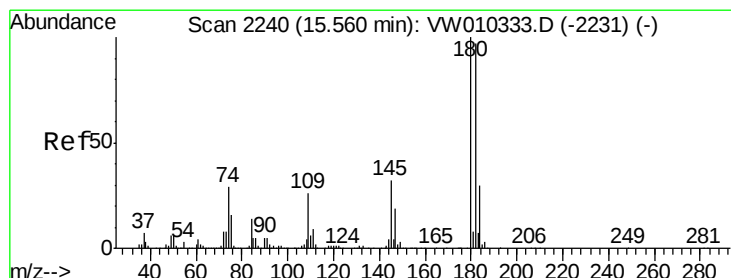
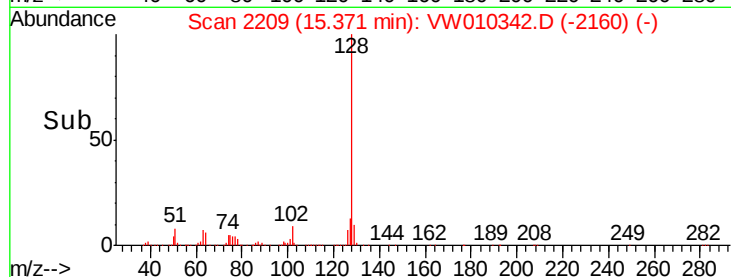
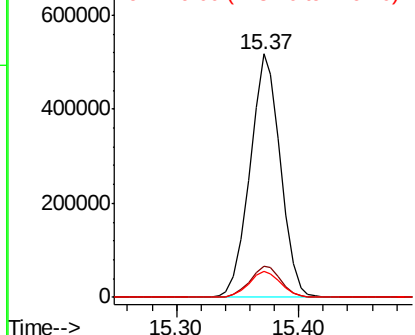
#95
Naphthalene
Concen: 20.242 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 895049
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 11.1 8.7 13.1

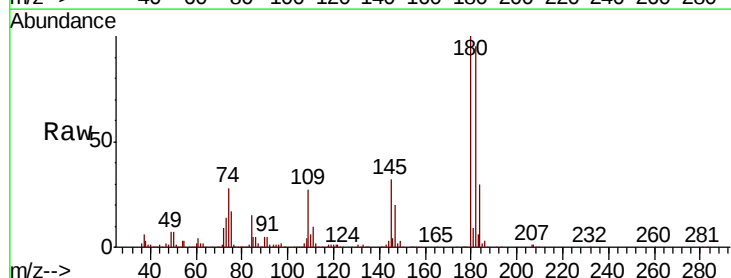


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.014 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010342.D
Acq: 09 May 2019 17:48

Tgt Ion:180 Resp: 414646
Ion Ratio Lower Upper
180 100
182 94.7 47.8 143.3
145 31.7 16.4 49.2



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

