

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050919\
 Data File : VW010330.D
 Acq On : 09 May 2019 11:09
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: May 09 13:13:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1238736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1970234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1743628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	861898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65037	4.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.50%	
35) Dibromofluoromethane	7.88	113	56819	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
50) Toluene-d8	10.32	98	221000	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.62	95	84071	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	72309	7.656	ug/l 94
3) Chloromethane	2.21	50	75185	7.960	ug/l 99
4) Vinyl Chloride	2.37	62	90682	8.259	ug/l 97
5) Bromomethane	2.78	94	54483	7.384	ug/l 98
6) Chloroethane	2.92	64	48522	6.764	ug/l 99
7) Trichlorofluoromethane	3.25	101	39683	5.228	ug/l 100
8) Diethyl Ether	3.67	74	37209	5.893	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72791	5.699	ug/l 97
10) Methyl Iodide	4.26	142	99870	5.658	ug/l 94
11) Tert butyl alcohol	5.17	59	22883	26.280	ug/l # 71
12) 1,1-Dichloroethene	4.03	96	72532	5.923	ug/l 98
13) Acrolein	3.89	56	32761	35.763	ug/l 100
14) Allyl chloride	4.66	41	106079	4.872	ug/l 90
15) Acrylonitrile	5.36	53	97812	30.100	ug/l 98
16) Acetone	4.12	43	85881	24.213	ug/l 93
17) Carbon Disulfide	4.37	76	223621	6.657	ug/l 100
18) Methyl Acetate	4.67	43	44176	5.382	ug/l 96
19) Methyl tert-butyl Ether	5.42	73	76069	4.782	ug/l 96
20) Methylene Chloride	4.91	84	90738	5.561	ug/l 90
21) trans-1,2-Dichloroethene	5.41	96	76664	5.781	ug/l 98
22) Diisopropyl ether	6.31	45	182743	4.138	ug/l 96
23) Vinyl Acetate	6.25	43	597666	21.498	ug/l 97
24) 1,1-Dichloroethane	6.21	63	138260	5.237	ug/l 98
25) 2-Butanone	7.17	43	118548	25.444	ug/l 95
26) 2,2-Dichloropropane	7.16	77	70840	4.850	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	75445	5.173	ug/l 95
28) Bromochloromethane	7.51	49	41472	3.844	ug/l 100
29) Tetrahydrofuran	7.53	42	77932	26.398	ug/l 99
30) Chloroform	7.67	83	128532	4.859	ug/l 97
31) Cyclohexane	7.95	56	155857	6.304	ug/l # 73
32) 1,1,1-Trichloroethane	7.87	97	103061	4.963	ug/l 99
36) 1,1-Dichloropropene	8.07	75	111530	5.542	ug/l 99
37) Ethyl Acetate	7.25	43	53296	5.211	ug/l 98
38) Carbon Tetrachloride	8.07	117	97835	4.981	ug/l 99

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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: May 09 13:13:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	126929	5.605	ug/l	97
40) Benzene	8.32	78	306985	5.579	ug/l	99
41) Methacrylonitrile	7.49	41	27616	4.738	ug/l	93
42) 1,2-Dichloroethane	8.40	62	87604	4.632	ug/l	95
43) Isopropyl Acetate	8.43	43	85989	4.487	ug/l	95
44) Trichloroethene	9.09	130	77094	5.516	ug/l	94
45) 1,2-Dichloropropane	9.37	63	74767	5.169	ug/l	100
46) Dibromomethane	9.46	93	38788	5.174	ug/l	99
47) Bromodichloromethane	9.65	83	92160	4.762	ug/l	98
48) Methyl methacrylate	9.44	41	39094	4.191	ug/l #	87
49) 1,4-Dioxane	9.45	88	11659	101.781	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	236565	23.569	ug/l	96
52) Toluene	10.38	92	178939	5.220	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82007	4.274	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	101779	4.646	ug/l	88
55) 1,1,2-Trichloroethane	10.79	97	56441	5.394	ug/l	97
56) Ethyl methacrylate	10.65	69	56526	4.345	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	95241	5.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	137544	22.960	ug/l	99
59) 2-Hexanone	10.97	43	159279	22.797	ug/l	98
60) Dibromochloromethane	11.13	129	56000	4.630	ug/l	99
61) 1,2-Dibromoethane	11.24	107	50226	5.046	ug/l	97
64) Tetrachloroethene	10.86	164	63305	5.593	ug/l	99
65) Chlorobenzene	11.66	112	189084	5.298	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	62330	4.884	ug/l	99
67) Ethyl Benzene	11.73	91	323726	5.084	ug/l	100
68) m/p-Xylenes	11.84	106	233413	9.807	ug/l	100
69) o-Xylene	12.16	106	101750	4.695	ug/l	100
70) Styrene	12.18	104	172546	4.618	ug/l	98
71) Bromoform	12.35	173	33956	5.032	ug/l #	100
73) Isopropylbenzene	12.46	105	286238	4.772	ug/l	99
74) N-amyl acetate	12.27	43	65286	3.930	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	69672	5.879	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86935	10.078	ug/l #	100
77) Bromobenzene	12.75	156	70143	5.084	ug/l	98
78) n-propylbenzene	12.80	91	366955	4.936	ug/l	99
79) 2-Chlorotoluene	12.90	91	216599	5.066	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	239991	4.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	19574	5.350	ug/l	94
82) 4-Chlorotoluene	12.99	91	224149	4.981	ug/l	99
83) tert-Butylbenzene	13.21	119	198330	4.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	238020	4.616	ug/l	100
85) sec-Butylbenzene	13.38	105	303965	4.829	ug/l	100
86) p-Isopropyltoluene	13.50	119	262172	4.726	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	144287	5.174	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	148268	5.326	ug/l	95
89) n-Butylbenzene	13.83	91	267406	4.865	ug/l	99
90) Hexachloroethane	14.10	117	54272	5.108	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	125924	5.036	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12248	5.775	ug/l	96

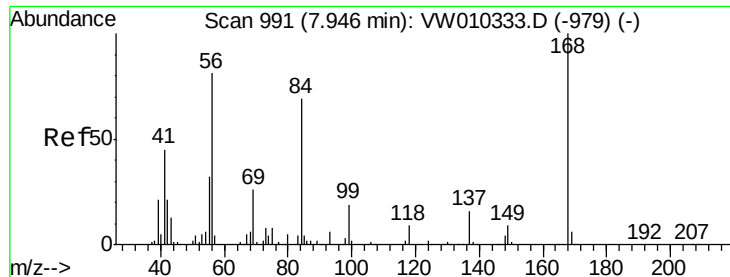
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050919\
Data File : VW010330.D
Acq On : 09 May 2019 11:09
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: May 09 13:13:29 2019
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Quant Title : SW846 8260
QLast Update : Thu May 09 13:10:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	77723	4.711	ug/l	97
94) Hexachlorobutadiene	15.24	225	55514	5.542	ug/l	99
95) Naphthalene	15.37	128	140636	4.748	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	70381	4.918	ug/l	96

(#) = 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: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

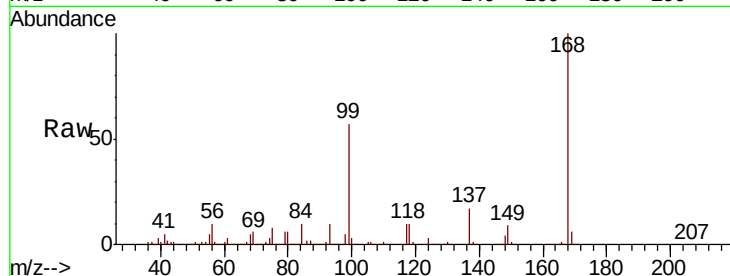
VSTDIC005

Tgt Ion:168 Resp: 1238736

Ion Ratio Lower Upper

168 100

99 57.2 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

500000

400000

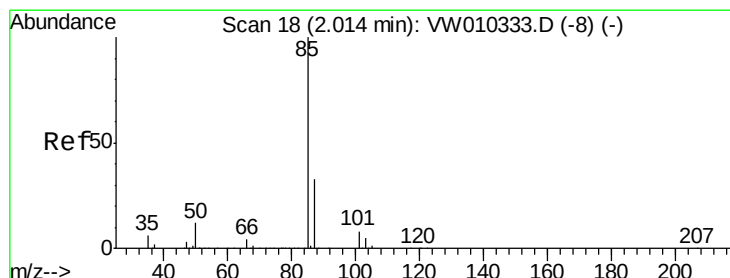
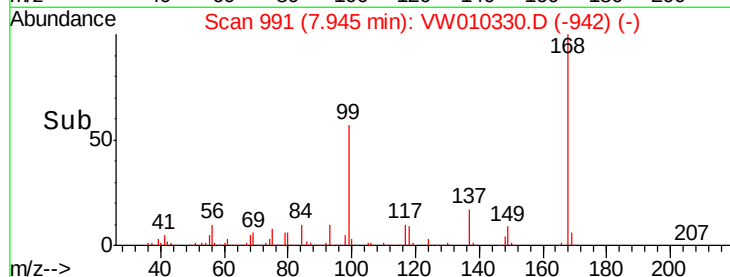
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 7.656 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010330.D

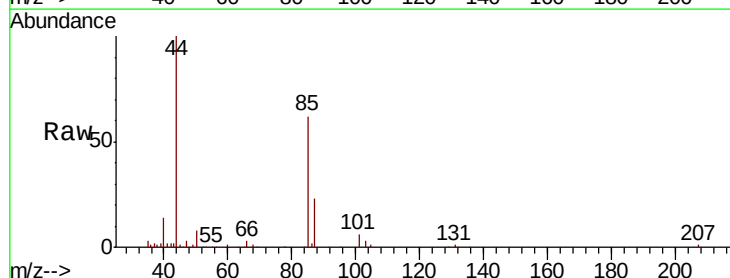
Acq: 09 May 2019 11:09

Tgt Ion: 85 Resp: 72309

Ion Ratio Lower Upper

85 100

87 36.1 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

20000

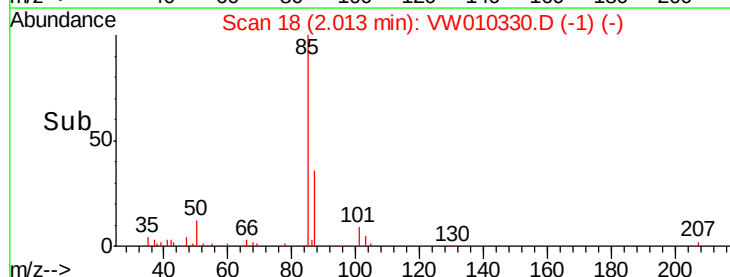
15000

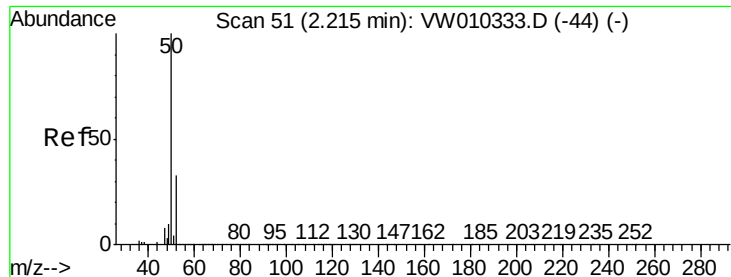
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 7.960 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

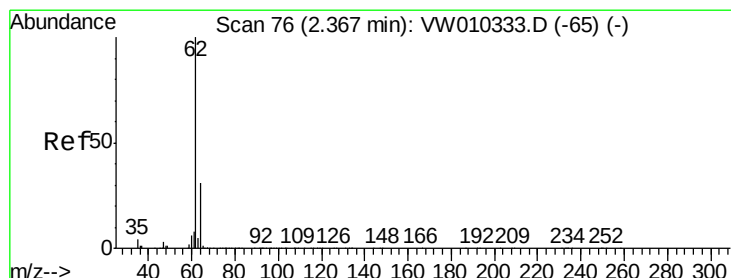
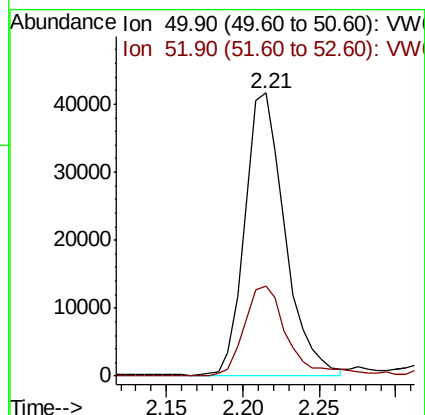
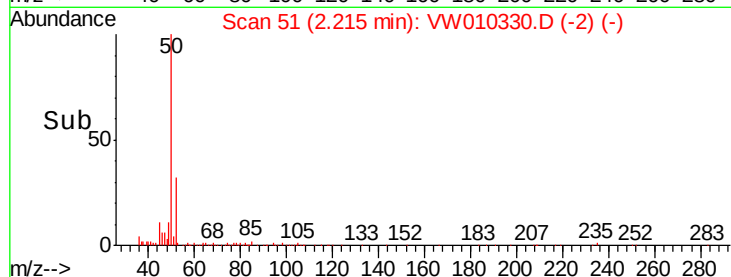
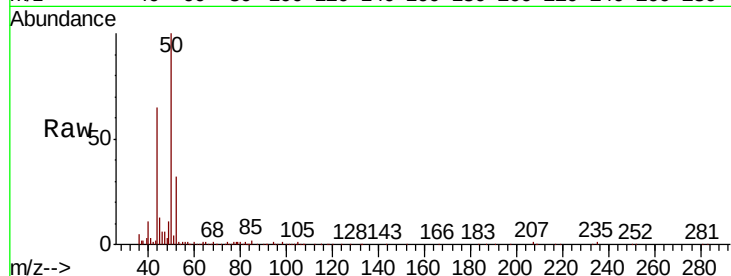
VSTDIC005

Tgt Ion: 50 Resp: 75185

Ion Ratio Lower Upper

50 100

52 31.8 25.0 37.6



#4

Vinyl Chloride

Concen: 8.259 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010330.D

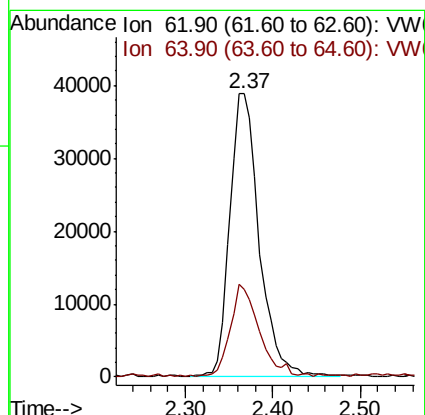
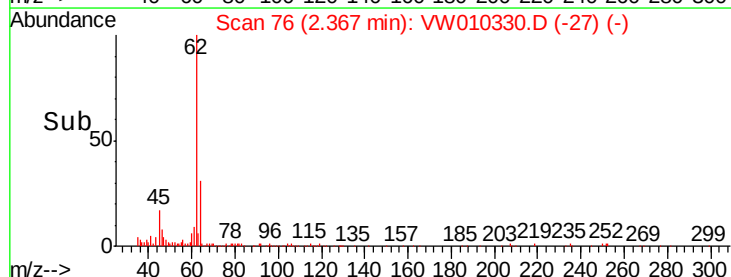
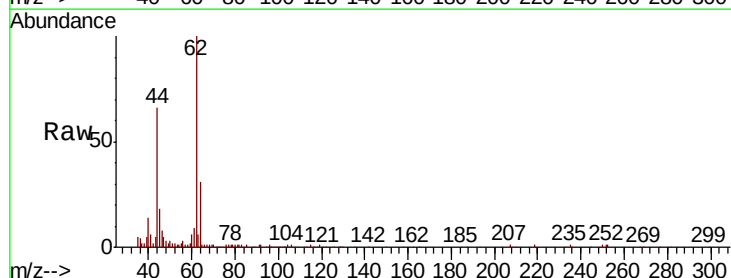
Acq: 09 May 2019 11:09

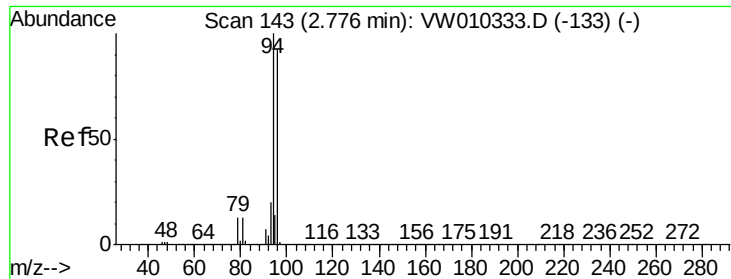
Tgt Ion: 62 Resp: 90682

Ion Ratio Lower Upper

62 100

64 30.7 25.9 38.9





#5

Bromomethane

Concen: 7.384 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

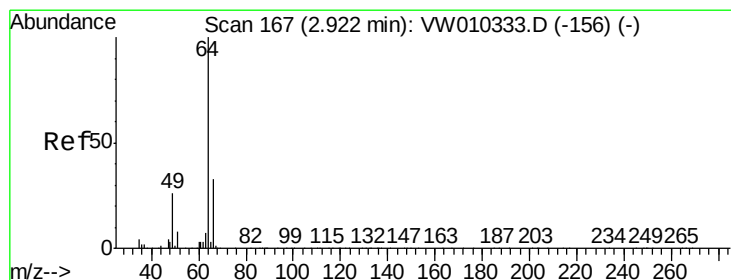
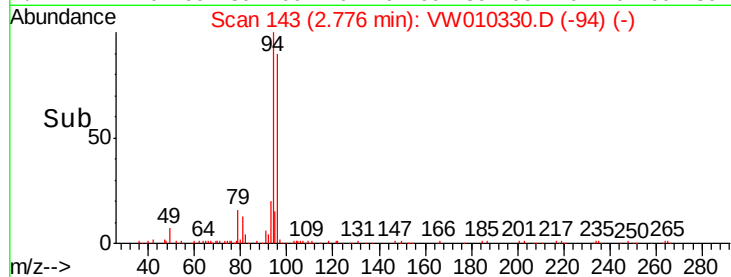
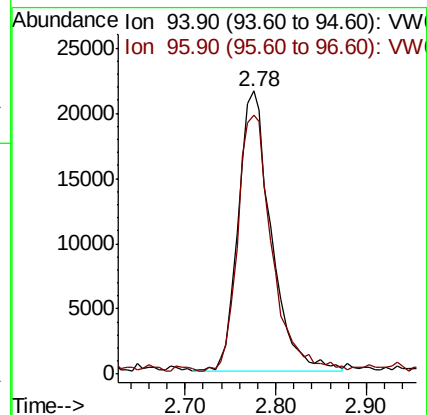
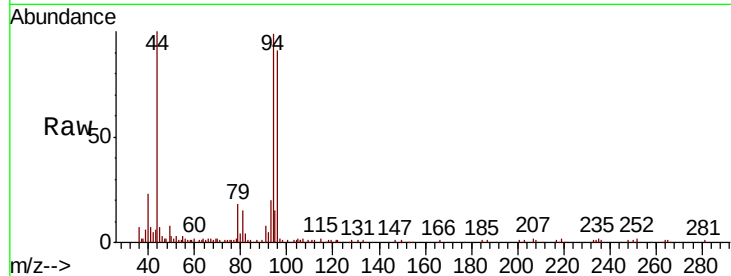
VSTDIC005

Tgt Ion: 94 Resp: 54483

Ion Ratio Lower Upper

94 100

96 90.5 74.2 111.2



#6

Chloroethane

Concen: 6.764 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010330.D

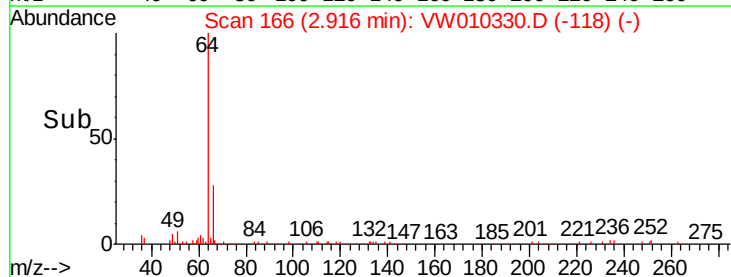
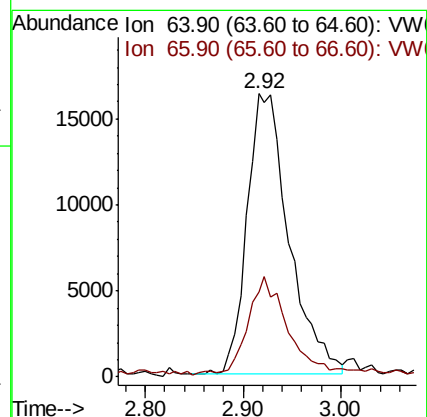
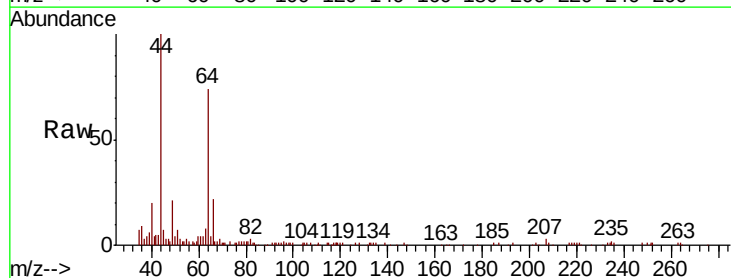
Acq: 09 May 2019 11:09

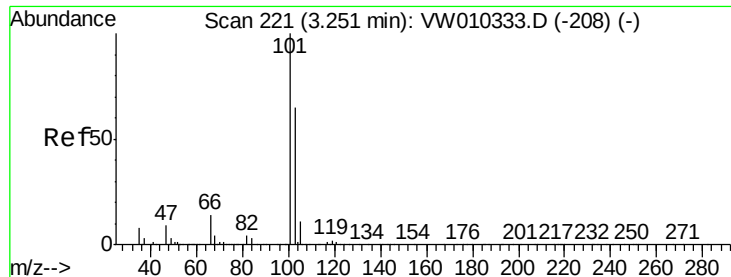
Tgt Ion: 64 Resp: 48522

Ion Ratio Lower Upper

64 100

66 29.5 23.4 35.0



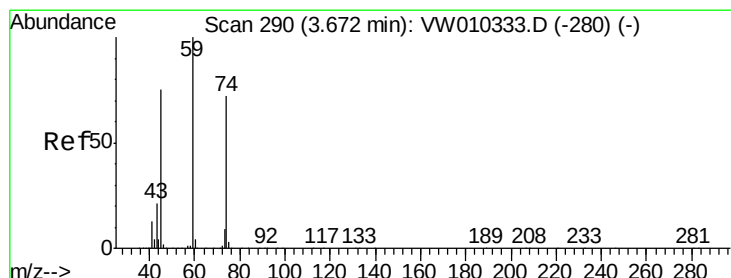
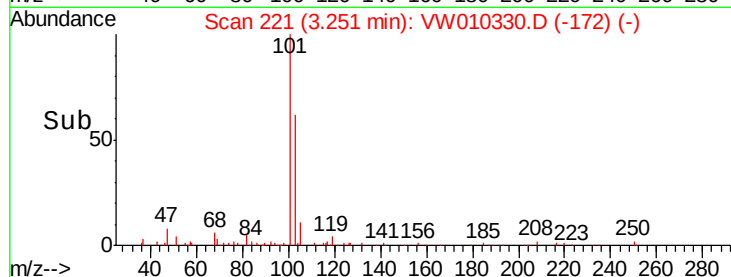
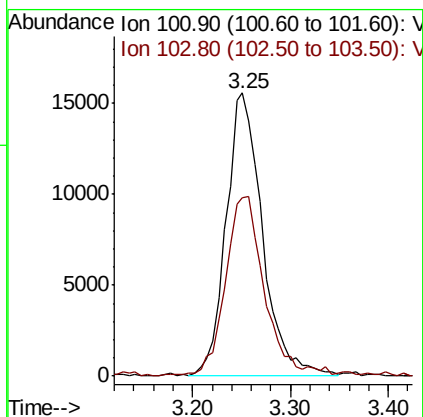
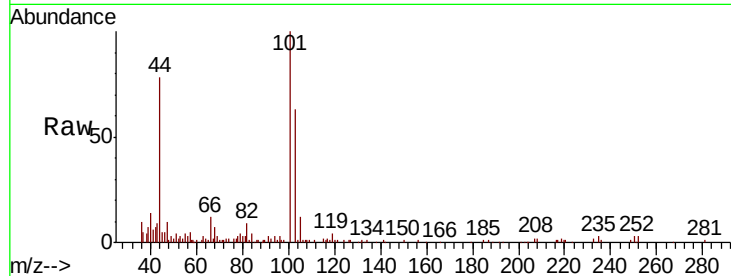


#7

Trichlorofluoromethane
Concen: 5.228 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

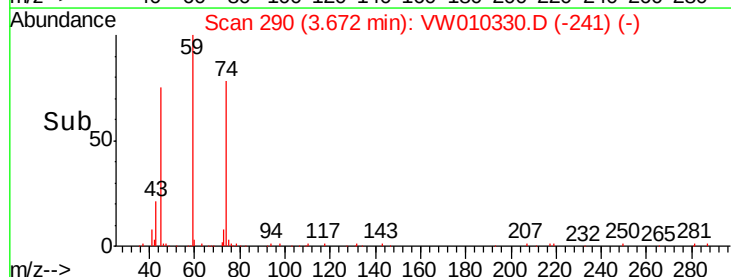
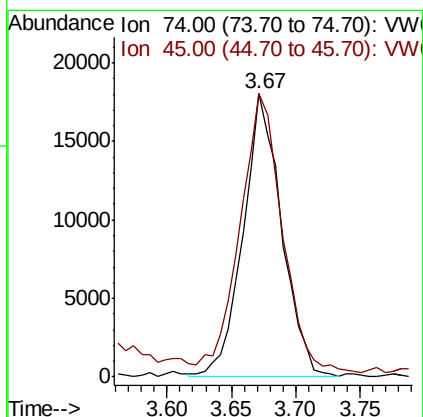
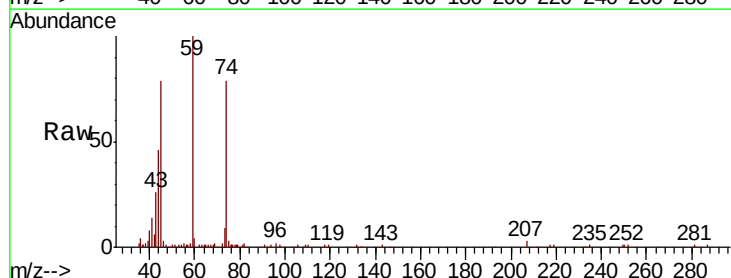
Tgt Ion: 101 Resp: 39683
Ion Ratio Lower Upper
101 100
103 62.5 49.8 74.6

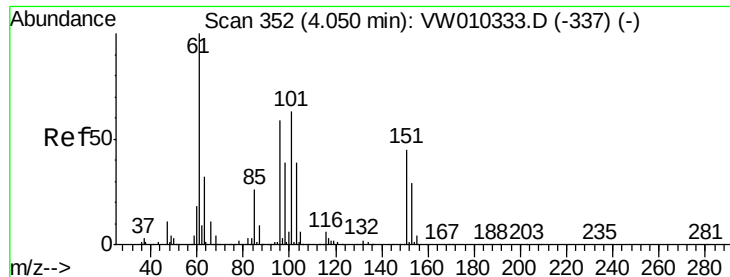


#8

Diethyl Ether
Concen: 5.893 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 74 Resp: 37209
Ion Ratio Lower Upper
74 100
45 107.7 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.699 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

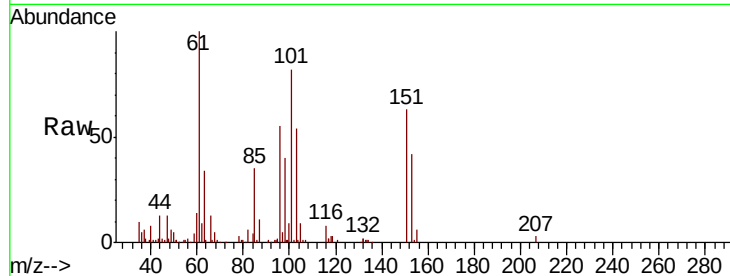
Tgt Ion:101 Resp: 72791

Ion Ratio Lower Upper

101 100

85 41.8 36.3 54.5

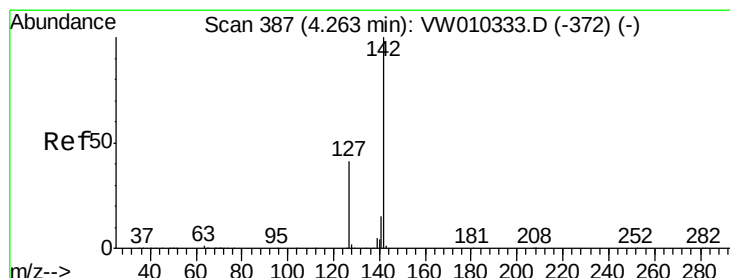
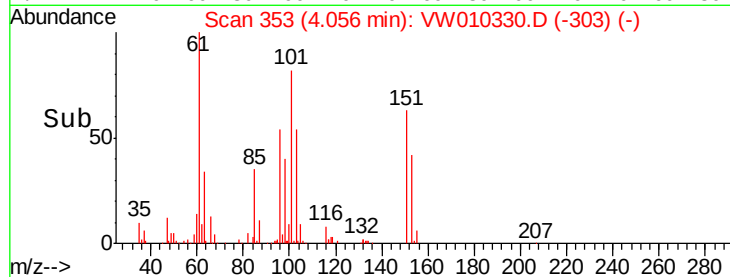
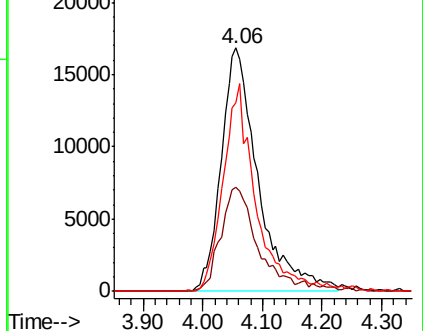
151 73.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.658 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

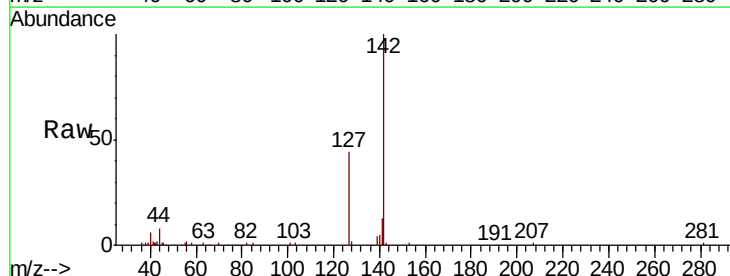
Tgt Ion:142 Resp: 99870

Ion Ratio Lower Upper

142 100

127 42.6 38.1 57.1

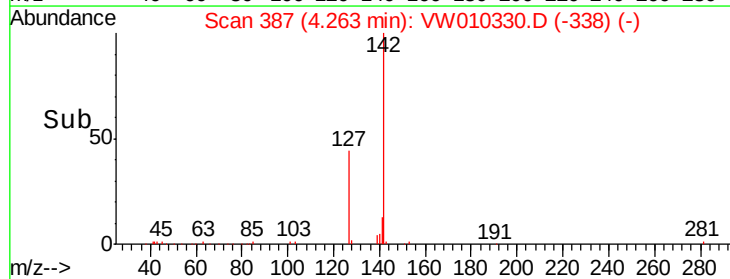
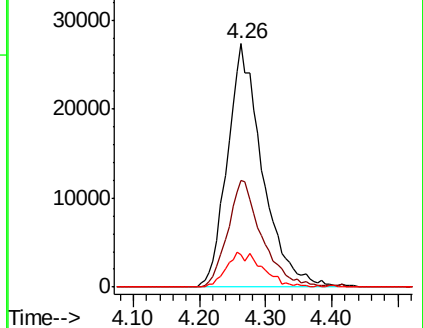
141 15.0 12.2 18.2

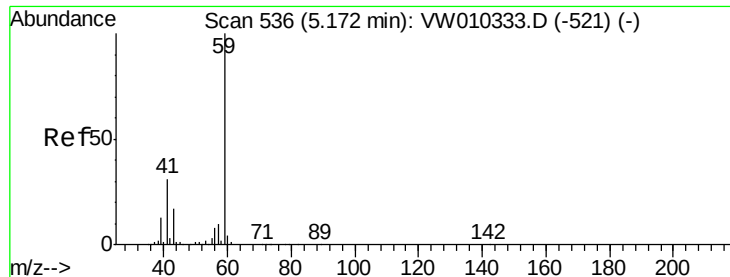


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

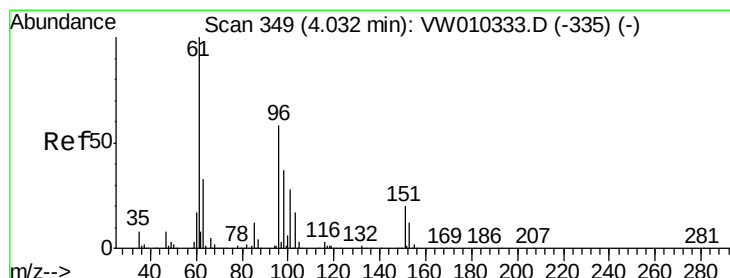
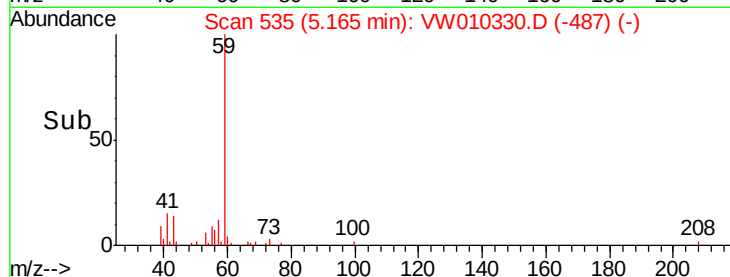
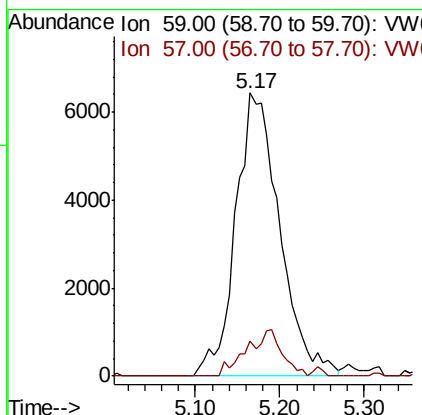
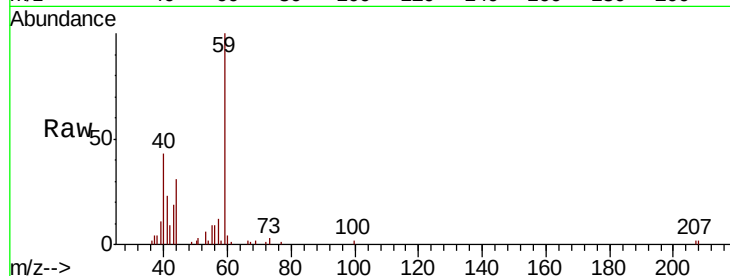




#11
Tert butyl alcohol
Concen: 26.280 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

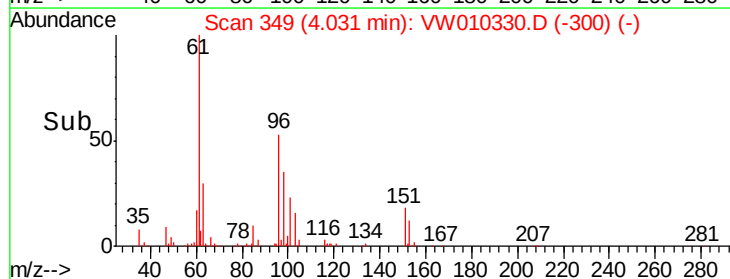
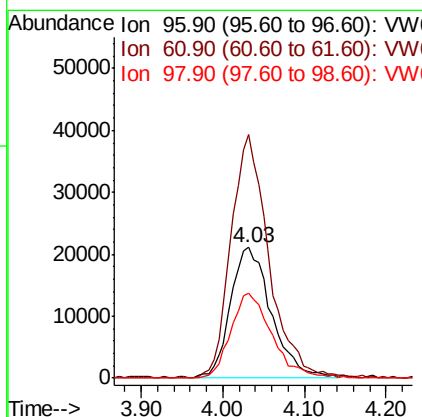
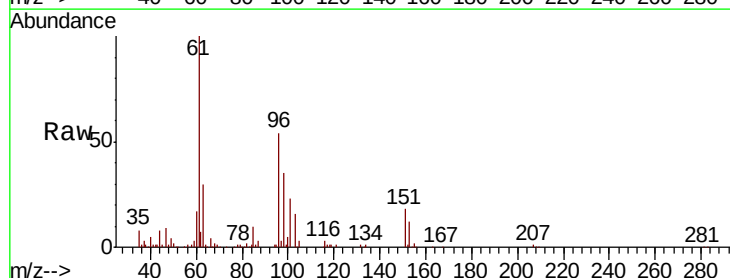
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

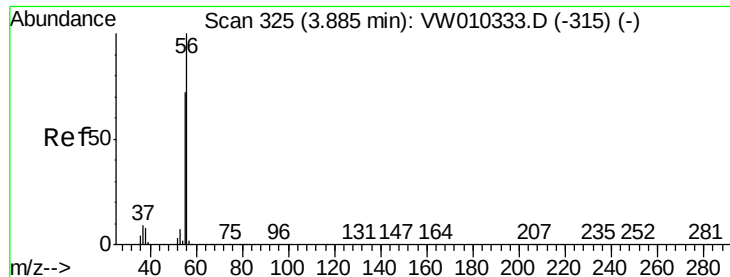
Tgt Ion: 59 Resp: 22883
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#12
1,1-Dichloroethene
Concen: 5.923 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 96 Resp: 72532
Ion Ratio Lower Upper
96 100
61 186.7 147.4 221.2
98 65.0 49.7 74.5





#13

Acrolein

Concen: 35.763 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

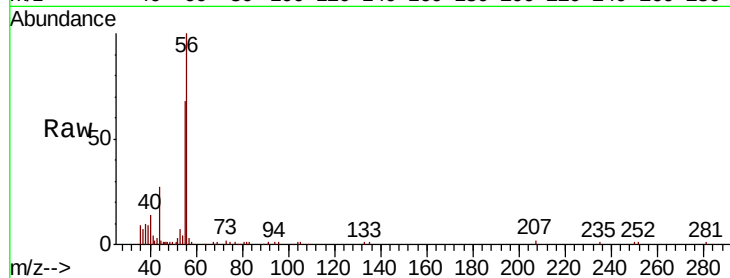
VSTDIC005

Tgt Ion: 56 Resp: 32761

Ion Ratio Lower Upper

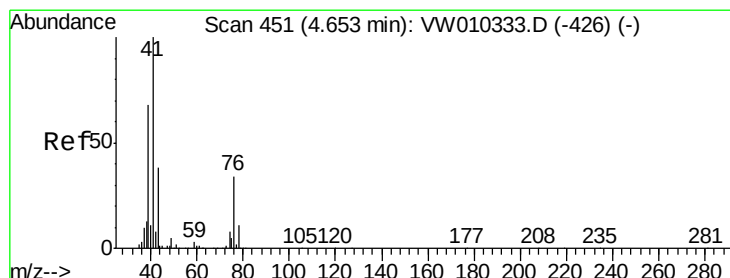
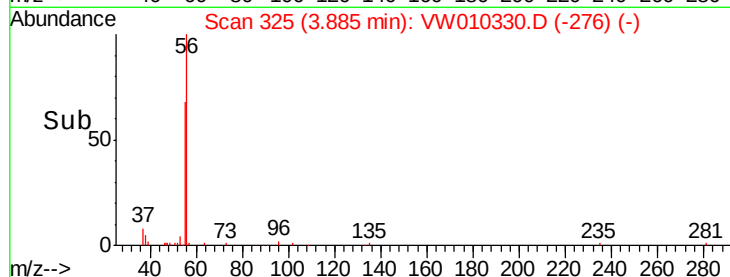
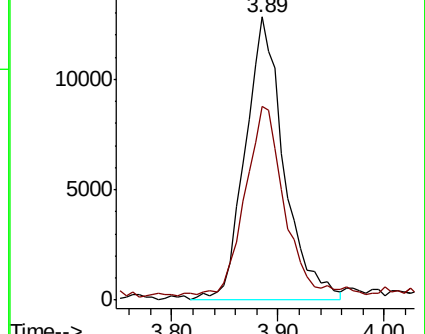
56 100

55 68.1 54.2 81.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.872 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

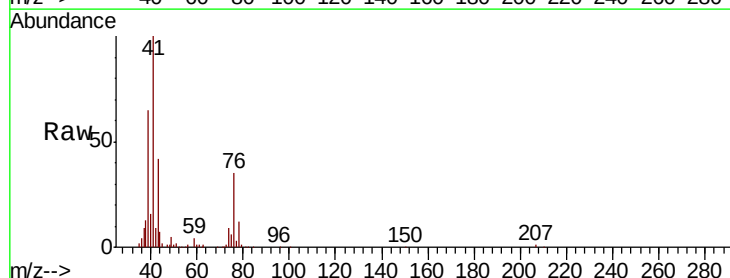
Tgt Ion: 41 Resp: 106079

Ion Ratio Lower Upper

41 100

39 65.4 60.2 90.4

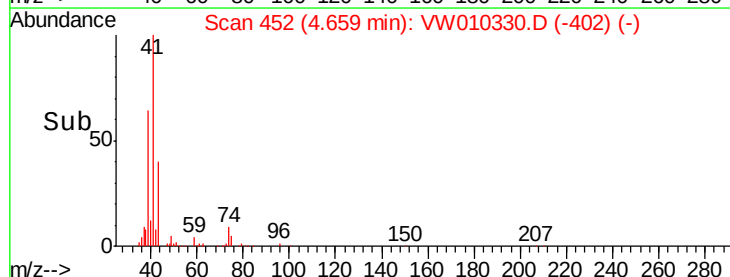
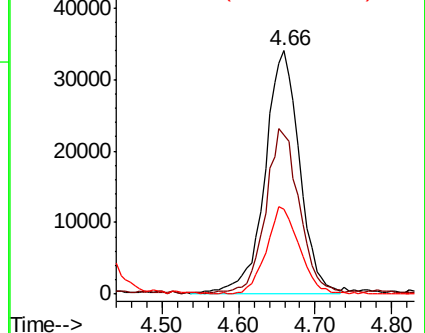
76 33.9 25.0 37.6

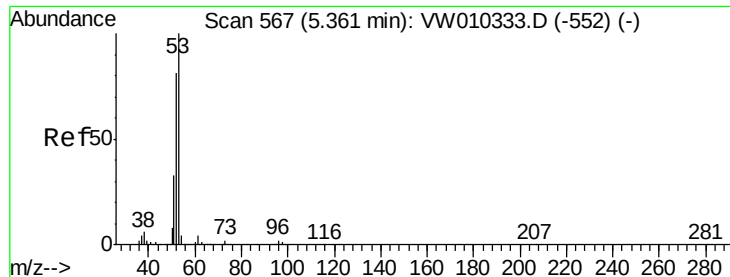


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

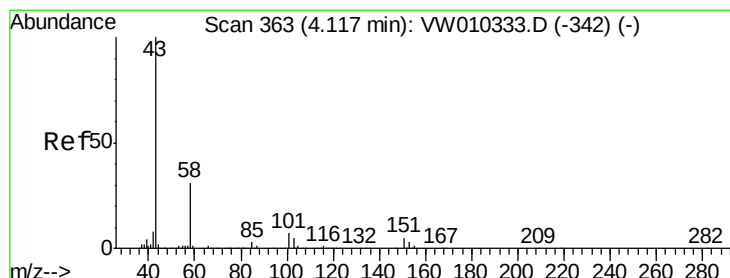
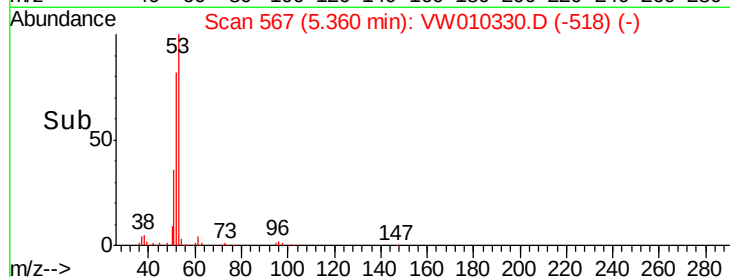
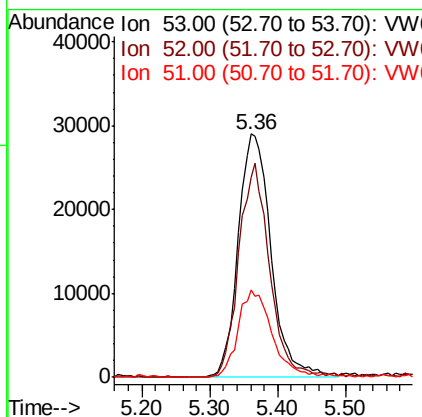
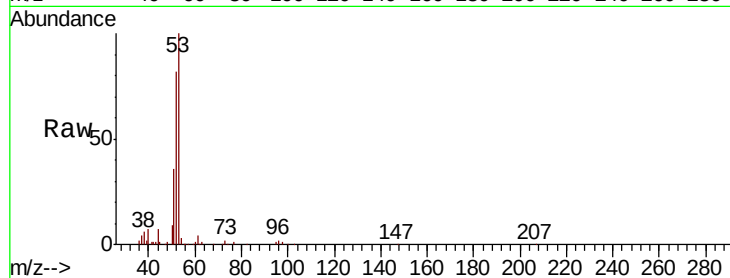




#15
 Acrylonitrile
 Concen: 30.100 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

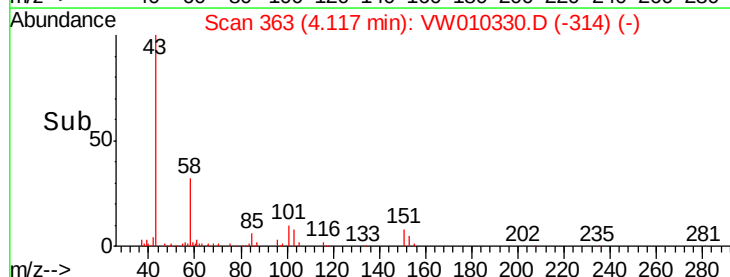
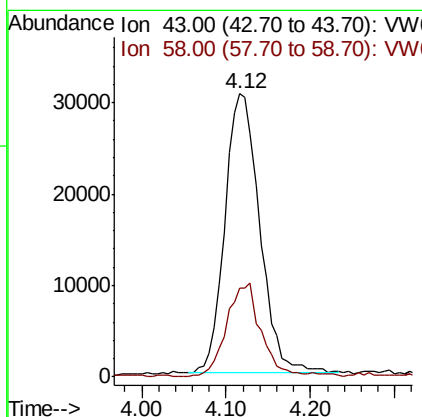
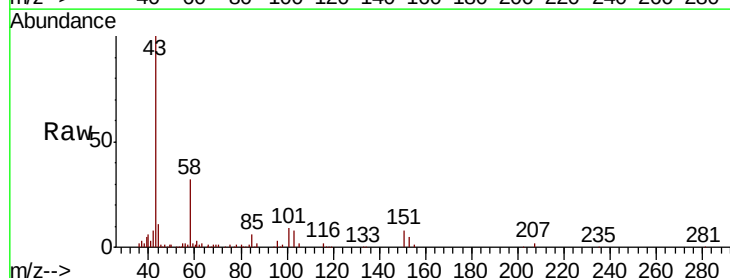
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

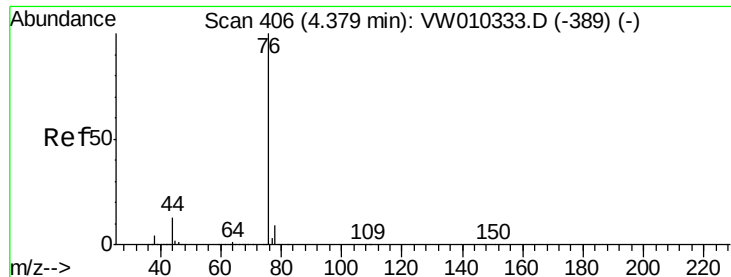
Tgt Ion: 53 Resp: 97812
 Ion Ratio Lower Upper
 53 100
 52 81.7 66.6 100.0
 51 36.6 30.3 45.5



#16
 Acetone
 Concen: 24.213 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 43 Resp: 85881
 Ion Ratio Lower Upper
 43 100
 58 32.0 22.7 34.1





#17

Carbon Disulfide

Concen: 6.657 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

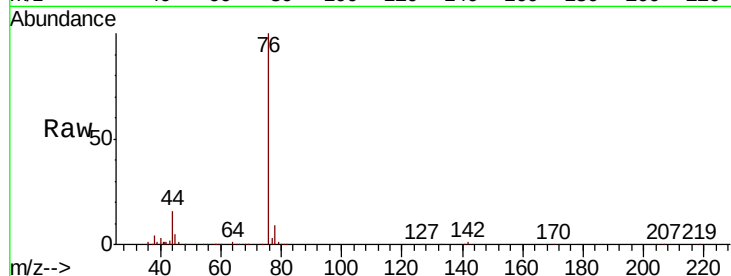
VSTDIC005

Tgt Ion: 76 Resp: 223621

Ion Ratio Lower Upper

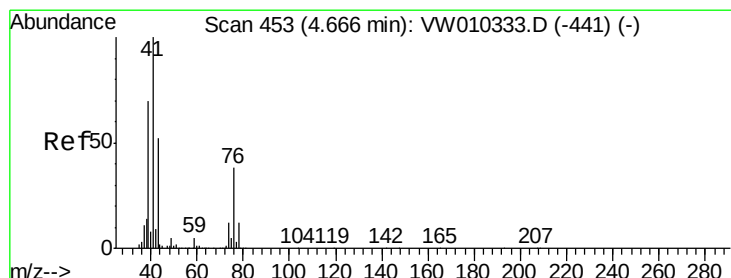
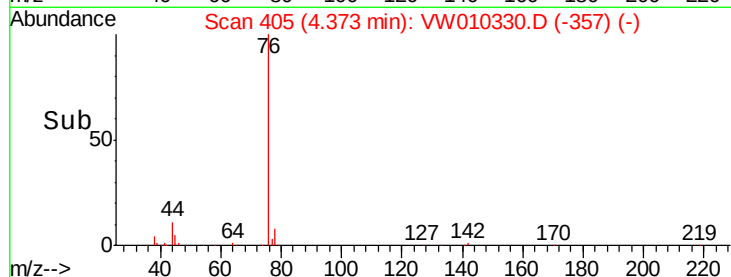
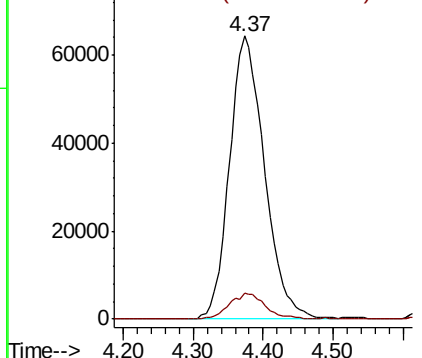
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 5.382 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010330.D

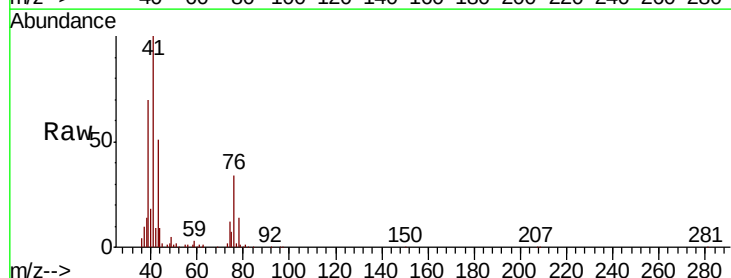
Acq: 09 May 2019 11:09

Tgt Ion: 43 Resp: 44176

Ion Ratio Lower Upper

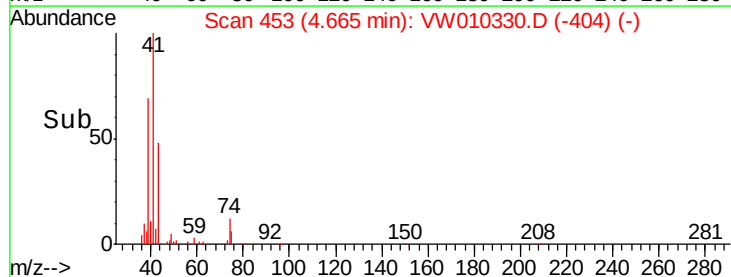
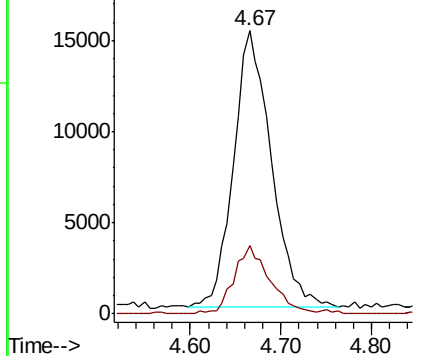
43 100

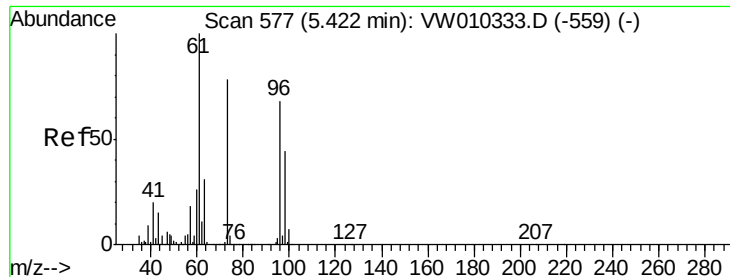
74 23.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

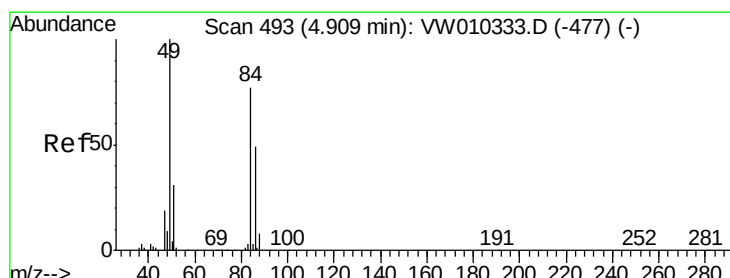
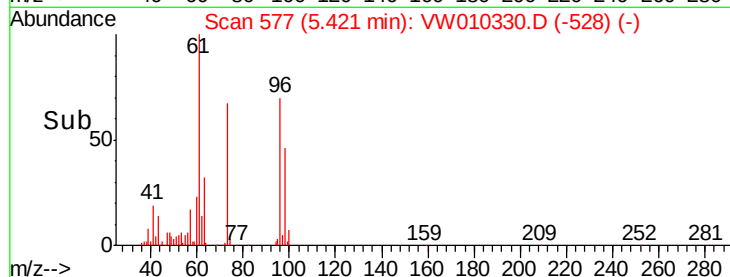
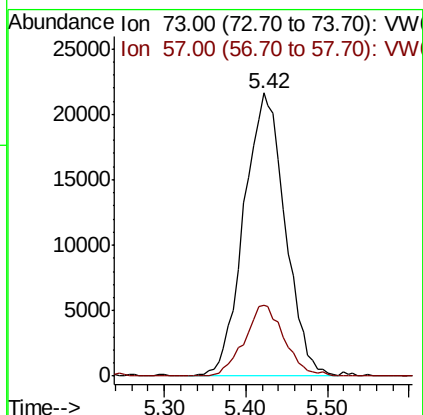
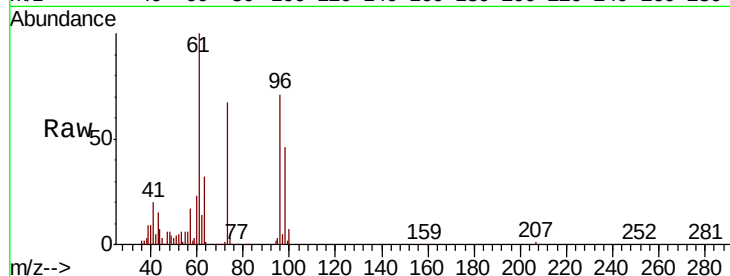




#19
Methyl tert-butyl Ether
Concen: 4.782 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

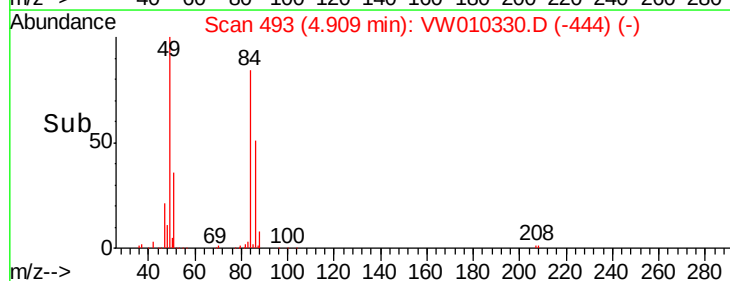
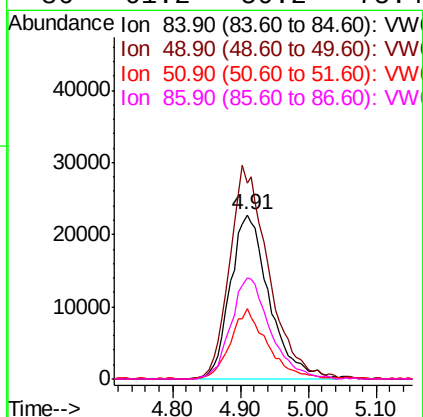
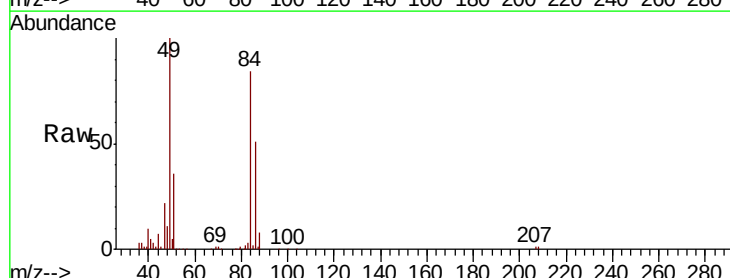
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

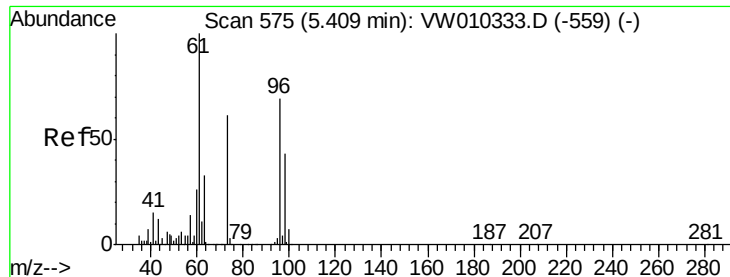
Tgt Ion: 73 Resp: 76069
Ion Ratio Lower Upper
73 100
57 25.0 18.5 27.7



#20
Methylene Chloride
Concen: 5.561 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 84 Resp: 90738
Ion Ratio Lower Upper
84 100
49 119.5 112.3 168.5
51 42.9 33.9 50.9
86 61.2 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 5.781 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

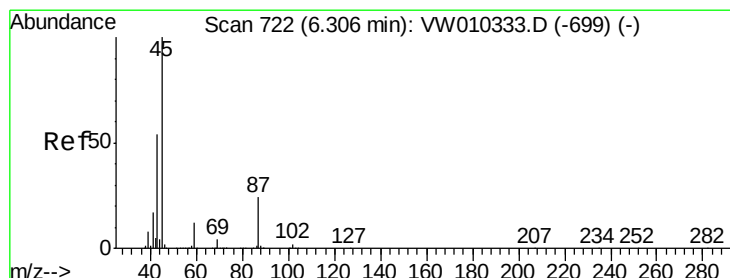
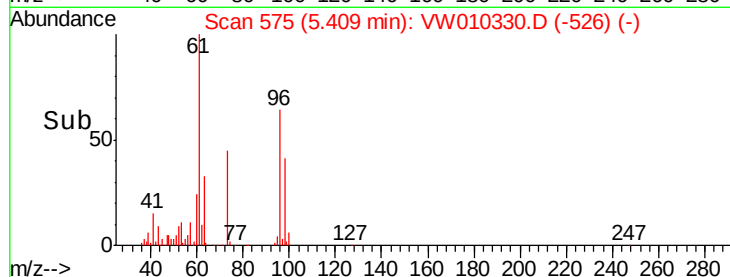
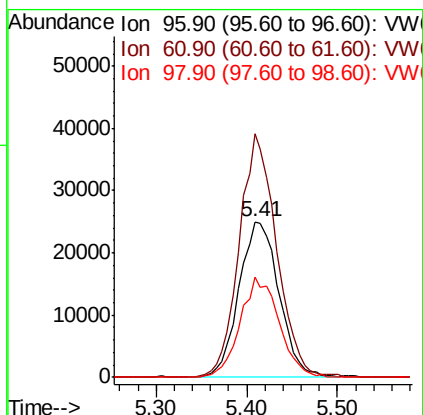
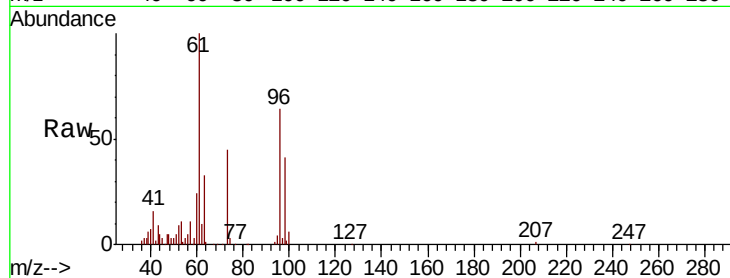
Tgt Ion: 96 Resp: 76664

Ion Ratio Lower Upper

96 100

61 156.5 122.3 183.5

98 64.1 50.5 75.7



#22

Diisopropyl ether

Concen: 4.138 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion: 45 Resp: 182743

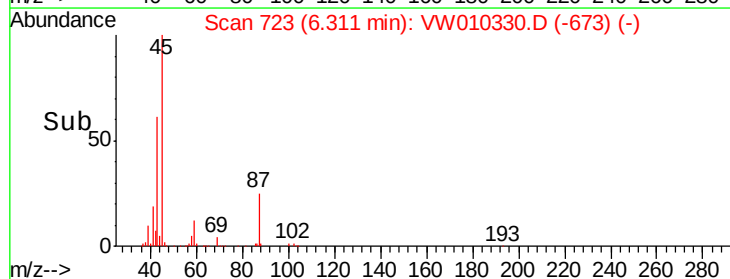
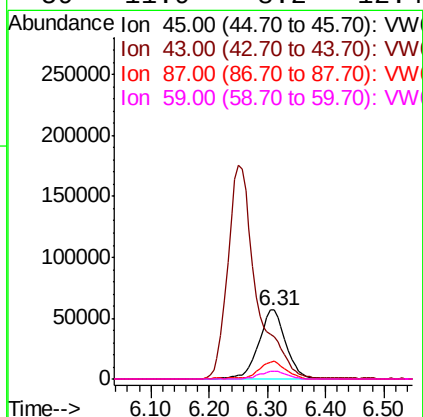
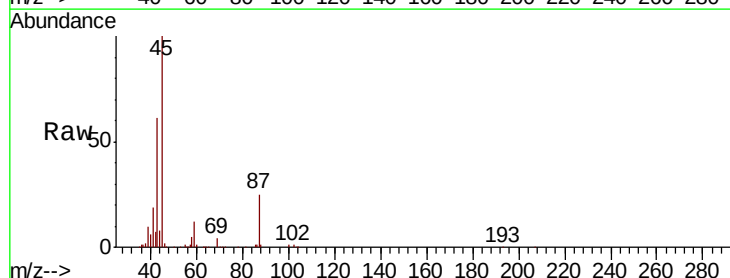
Ion Ratio Lower Upper

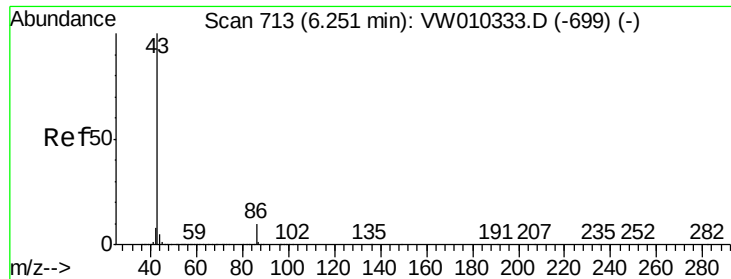
45 100

43 60.0 46.1 69.1

87 25.1 18.3 27.5

59 11.9 8.2 12.4

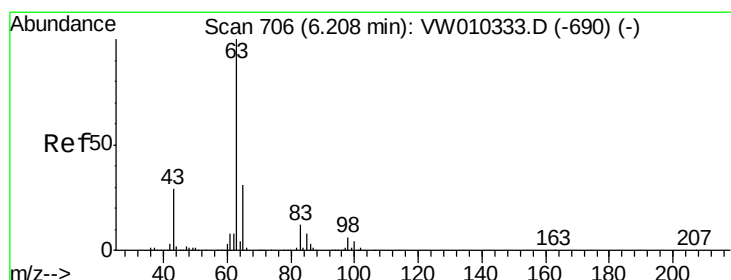
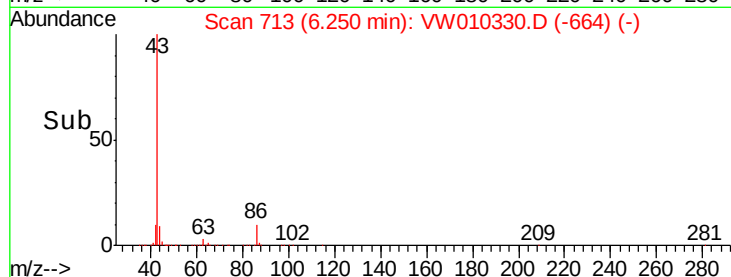
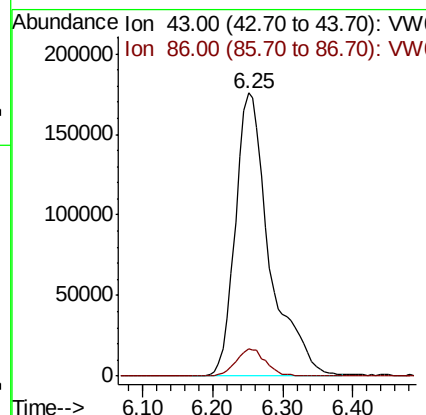
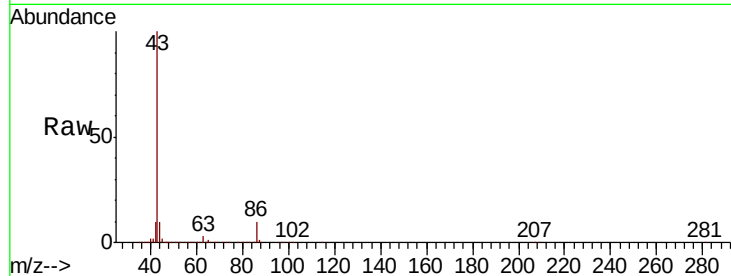




#23
 Vinyl Acetate
 Concen: 21.498 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

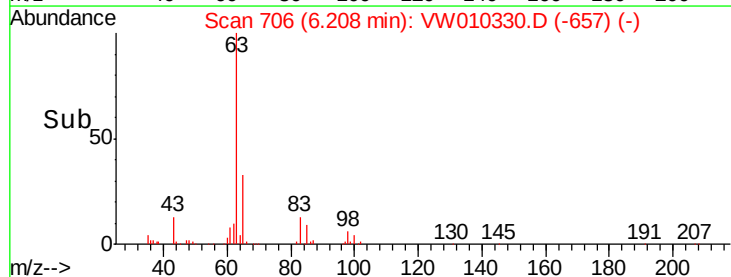
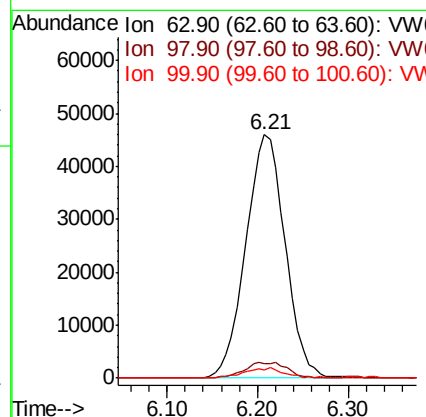
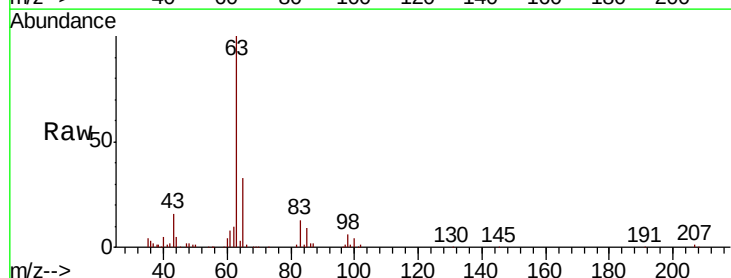
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

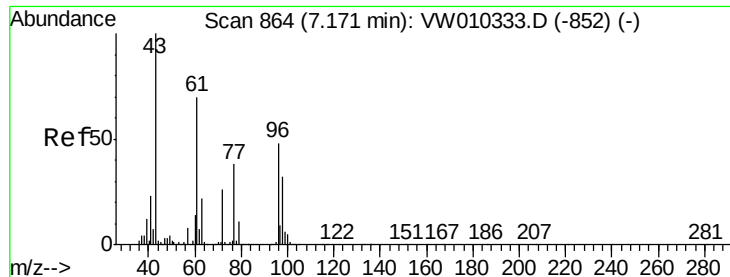
Tgt Ion: 43 Resp: 597666
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 5.237 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 63 Resp: 138260
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.3 9.8
 100 3.5 2.0 6.0





#25

2-Butanone

Concen: 25.444 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

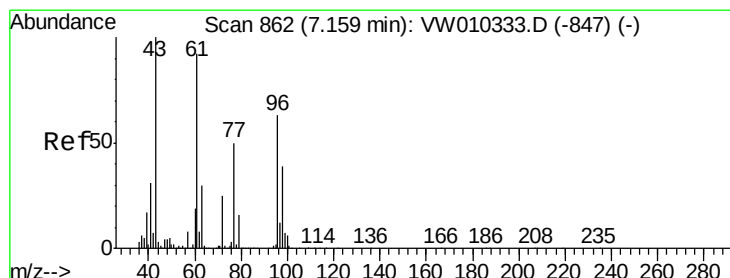
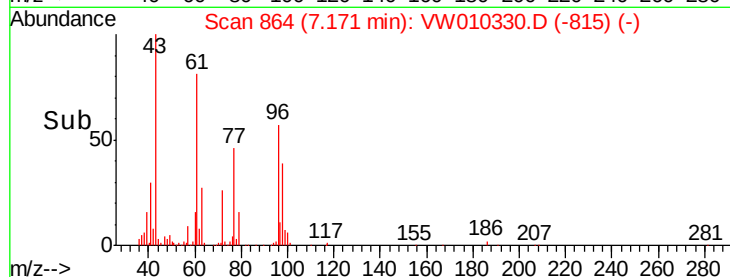
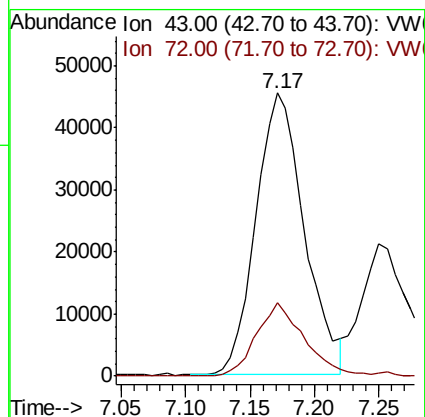
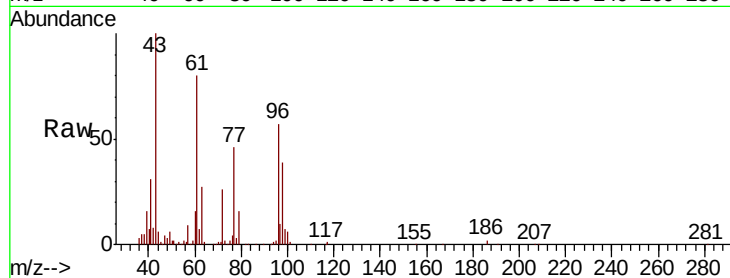
VSTDIC005

Tgt Ion: 43 Resp: 118548

Ion Ratio Lower Upper

43 100

72 26.2 19.1 28.7



#26

2,2-Dichloropropane

Concen: 4.850 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010330.D

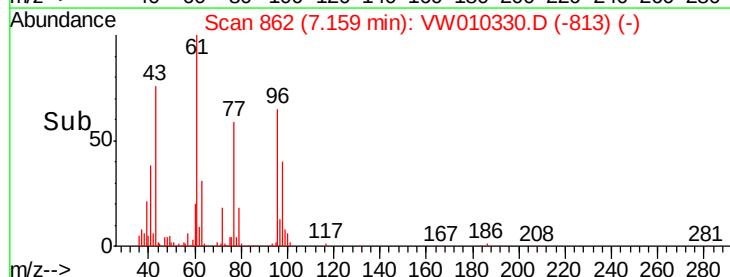
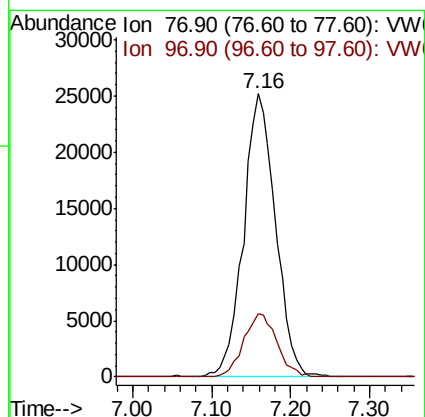
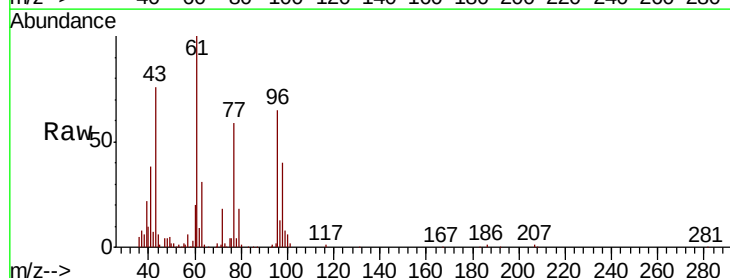
Acq: 09 May 2019 11:09

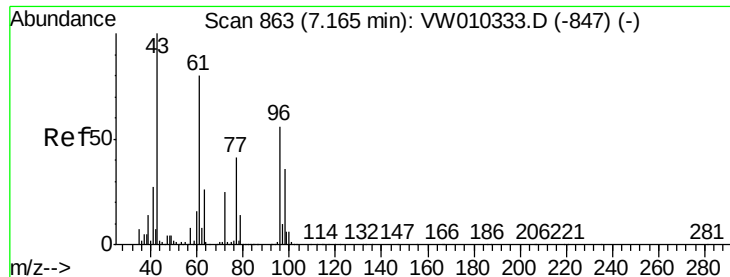
Tgt Ion: 77 Resp: 70840

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 5.173 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

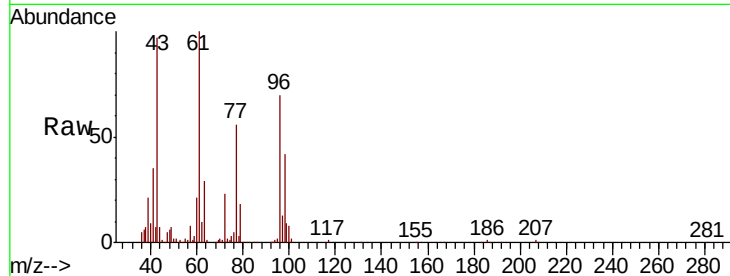
Tgt Ion: 96 Resp: 75445

Ion Ratio Lower Upper

96 100

61 147.1 0.0 309.4

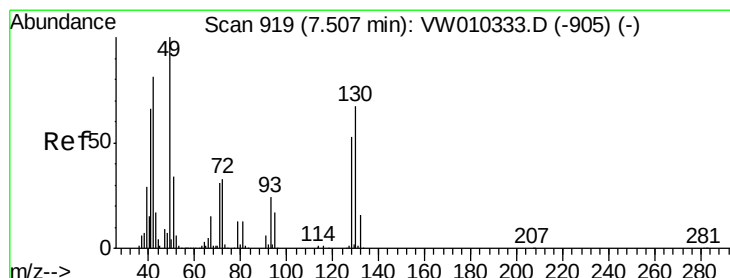
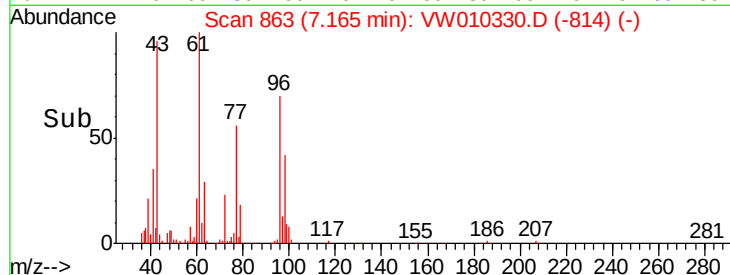
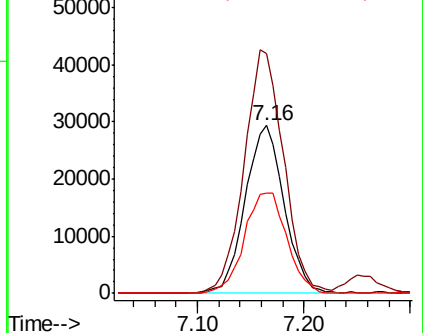
98 65.3 0.0 128.6



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: 3.844 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

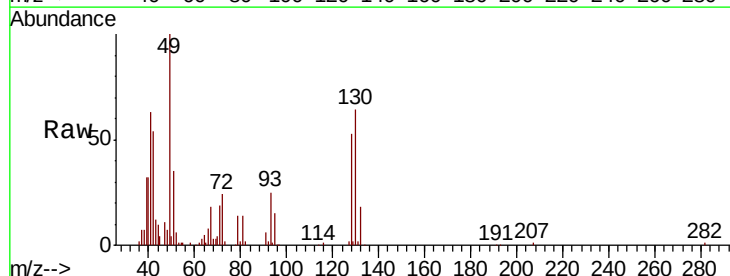
Tgt Ion: 49 Resp: 41472

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

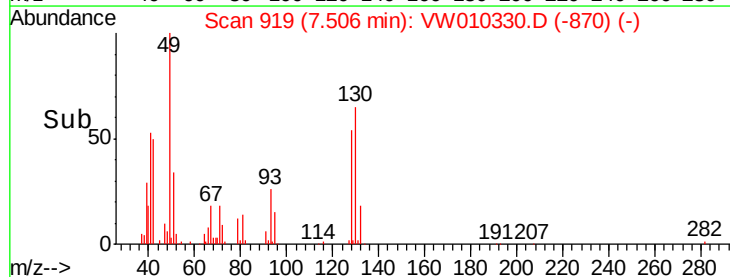
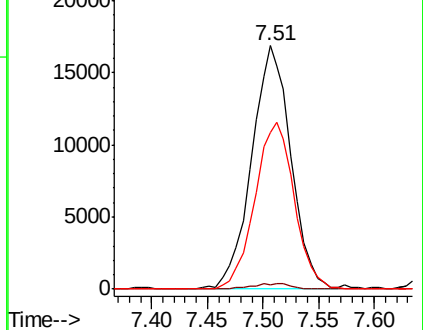
130 68.7 54.6 82.0

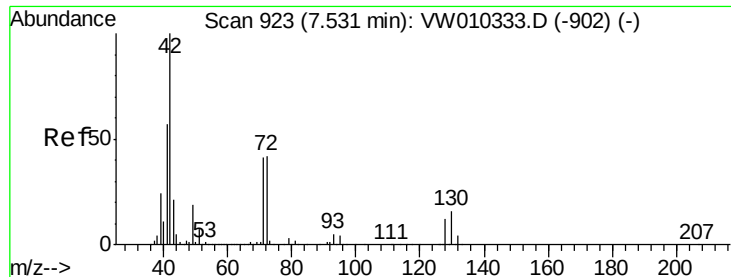


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 26.398 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

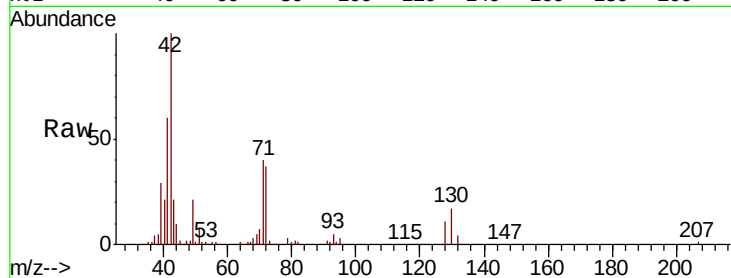
Tgt Ion: 42 Resp: 77932

Ion Ratio Lower Upper

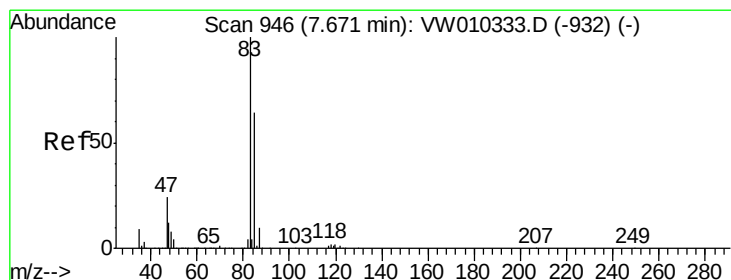
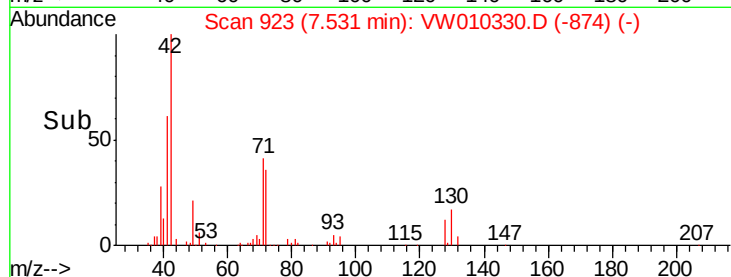
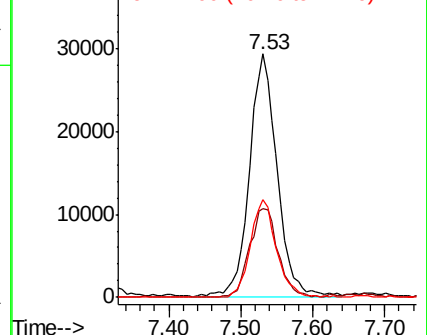
42 100

72 37.9 31.0 46.6

71 37.8 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 4.859 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010330.D

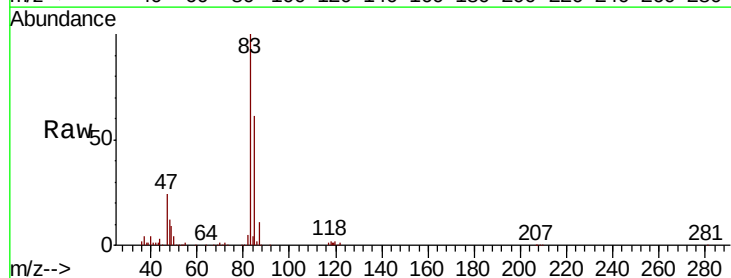
Acq: 09 May 2019 11:09

Tgt Ion: 83 Resp: 128532

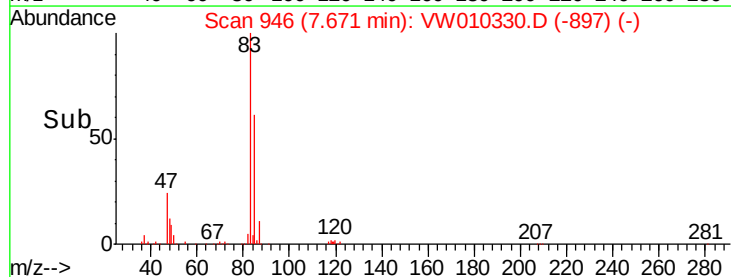
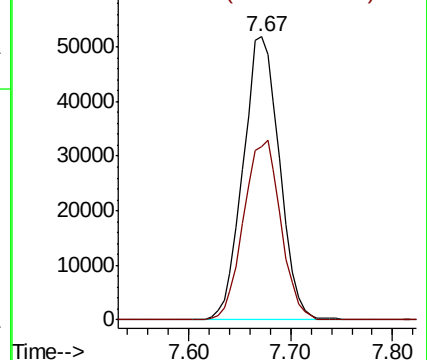
Ion Ratio Lower Upper

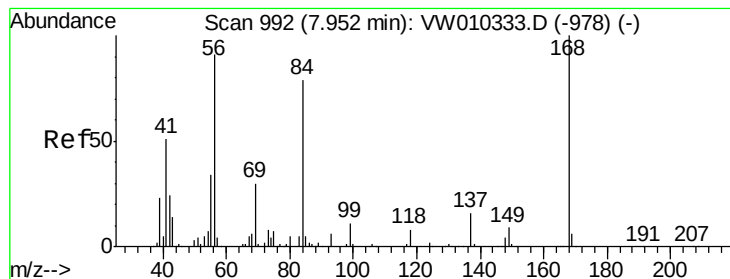
83 100

85 60.9 50.7 76.1



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





#31

Cyclohexane

Concen: 6.304 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

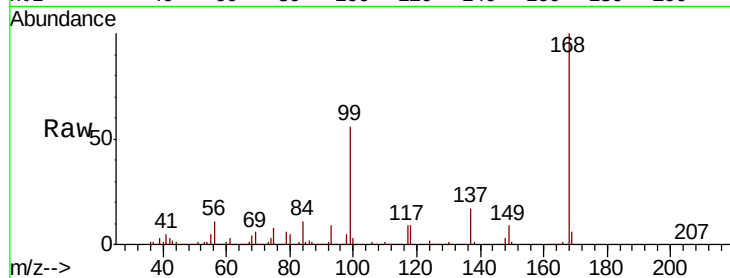
Tgt Ion: 56 Resp: 155857

Ion Ratio Lower Upper

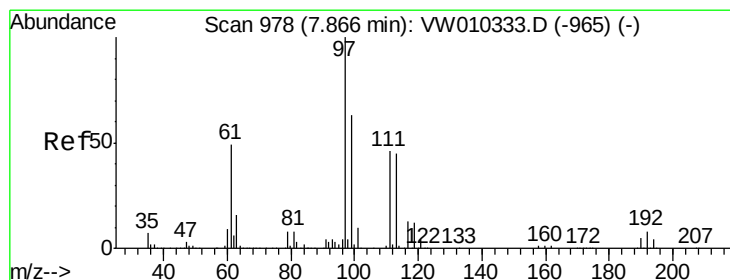
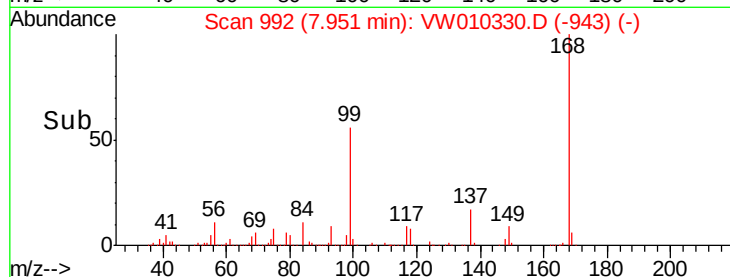
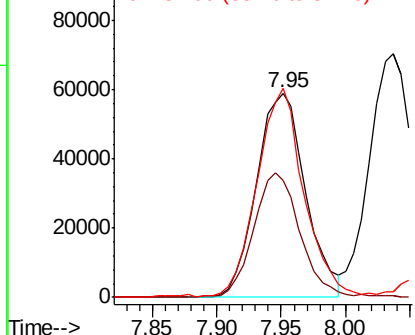
56 100

69 57.2 26.6 40.0#

84 101.1 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: 4.963 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

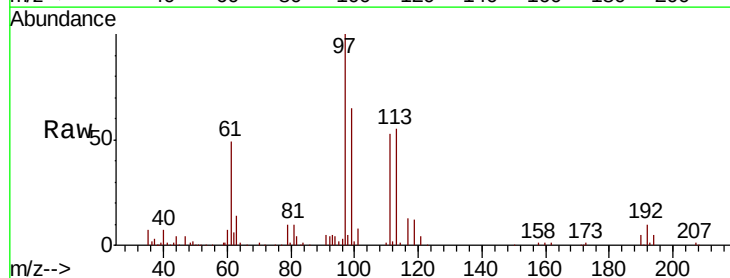
Tgt Ion: 97 Resp: 103061

Ion Ratio Lower Upper

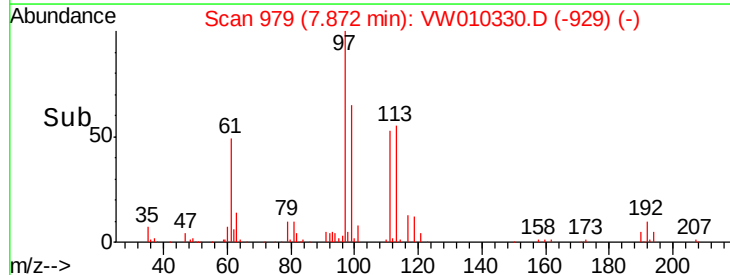
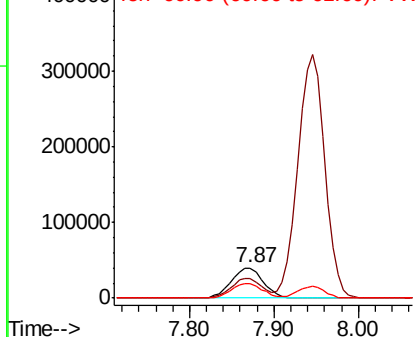
97 100

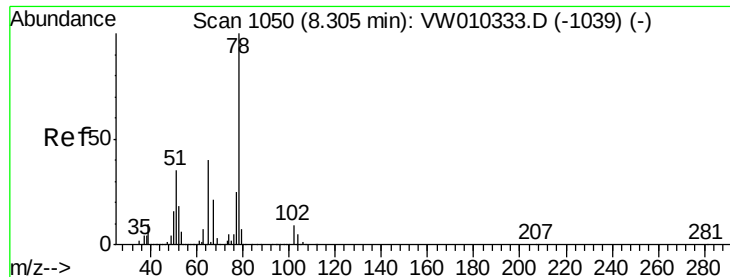
99 62.0 50.2 75.2

61 47.8 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

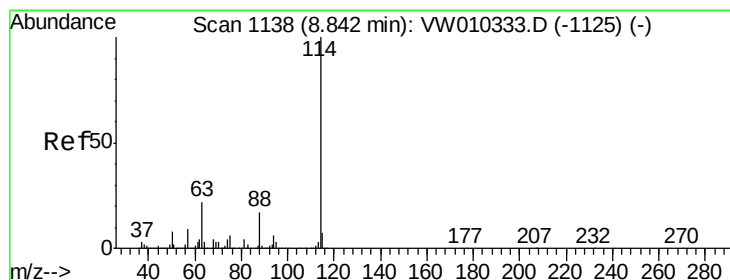
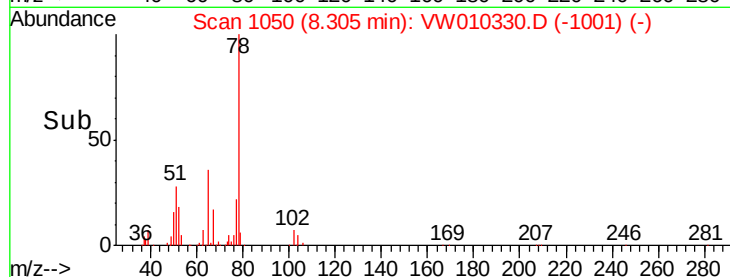
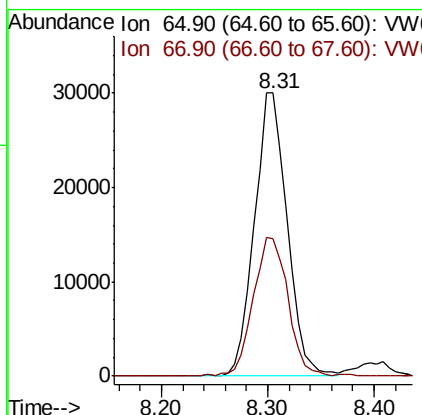
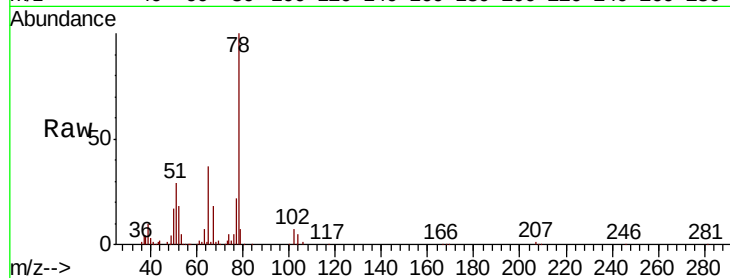




#33
 1,2-Dichloroethane-d4
 Concen: 4.254 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

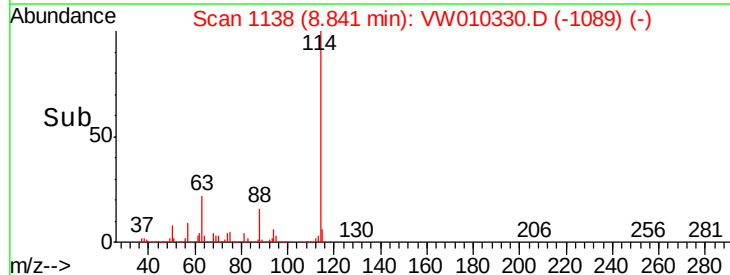
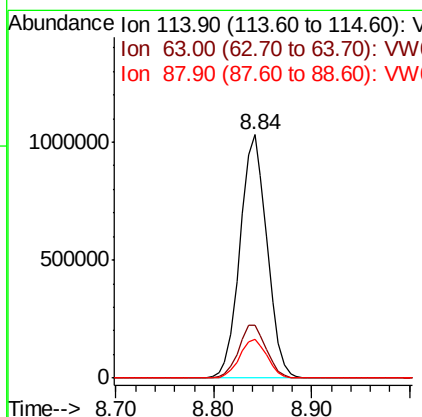
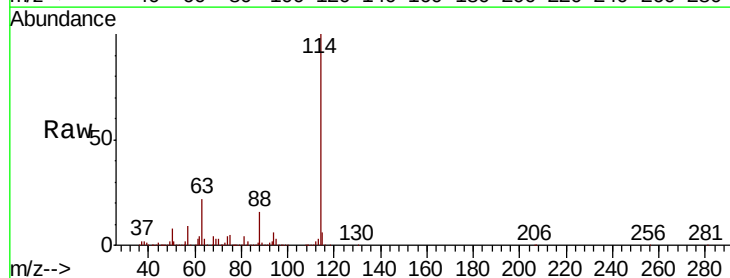
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

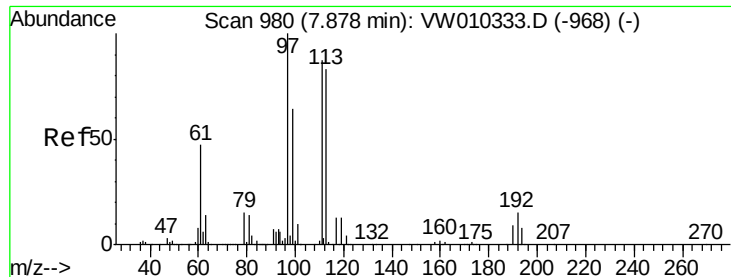
Tgt Ion: 65 Resp: 65037
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 114 Resp: 1970234
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 46.2
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 4.536 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

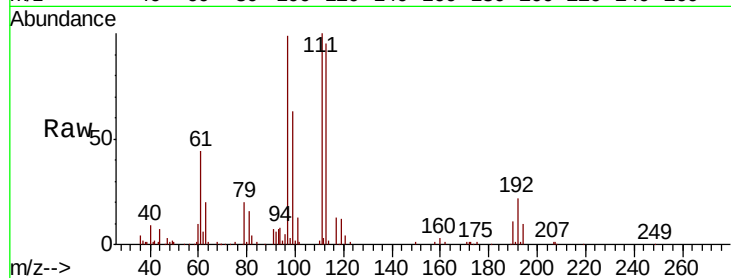
Tgt Ion:113 Resp: 56819

Ion Ratio Lower Upper

113 100

111 105.6 82.6 123.8

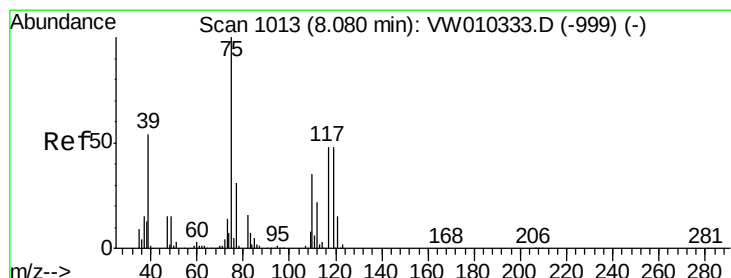
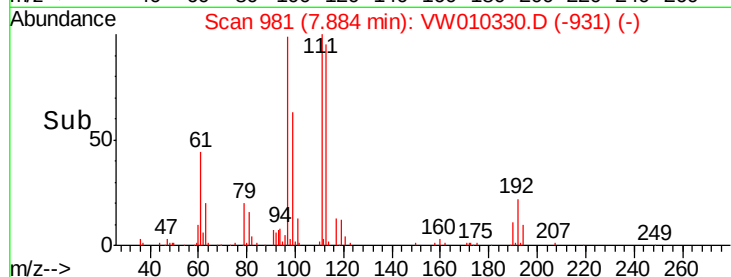
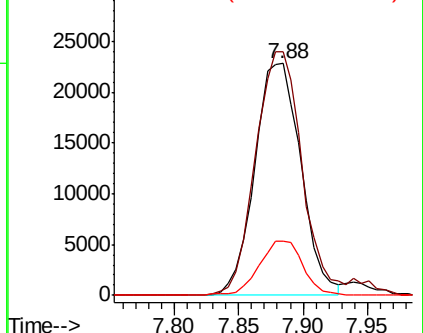
192 22.3 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.542 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

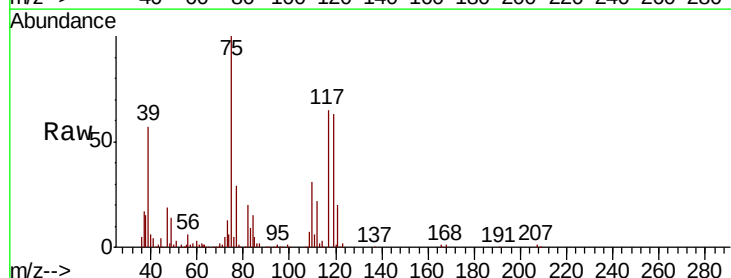
Tgt Ion: 75 Resp: 111530

Ion Ratio Lower Upper

75 100

110 31.9 16.6 49.8

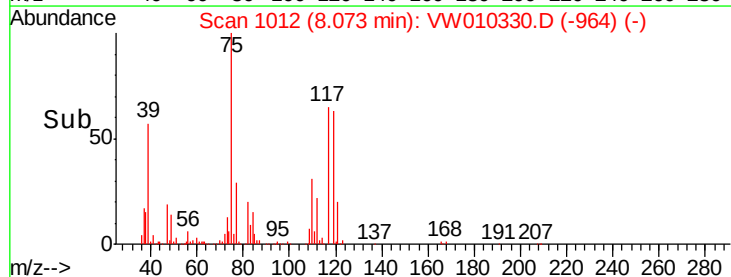
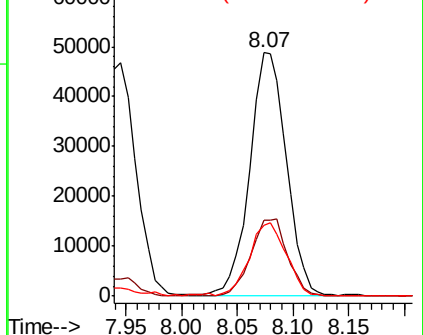
77 31.0 24.8 37.2

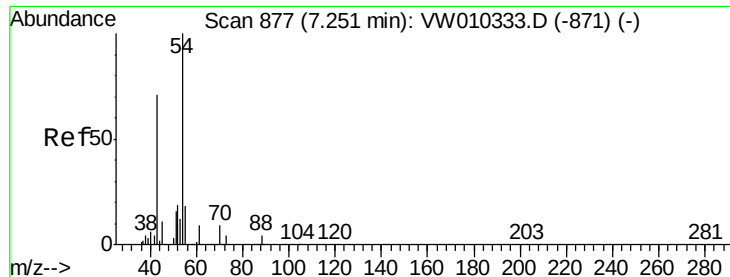


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

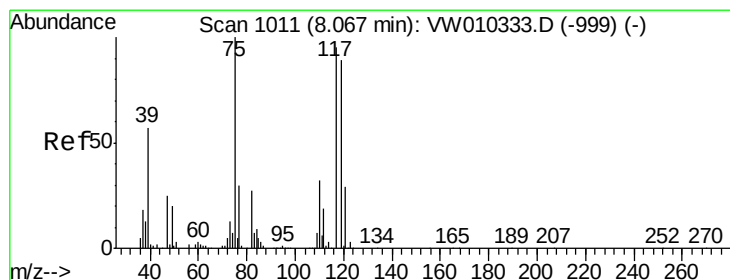
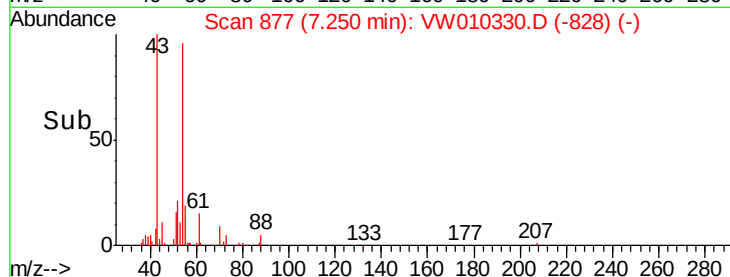
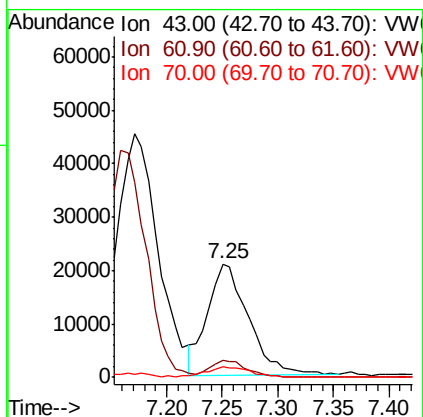
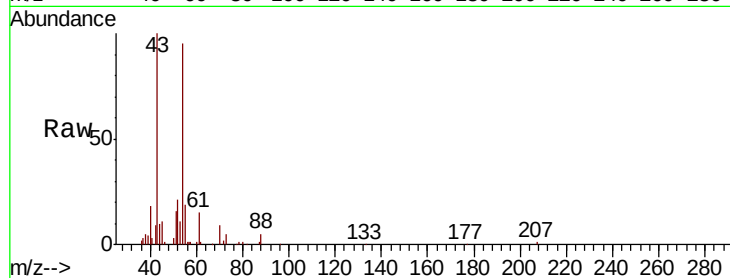




#37
Ethyl Acetate
Concen: 5.211 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

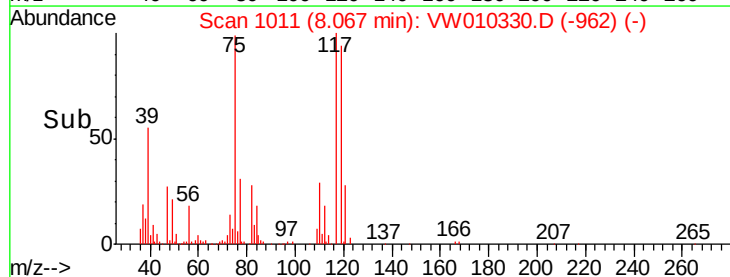
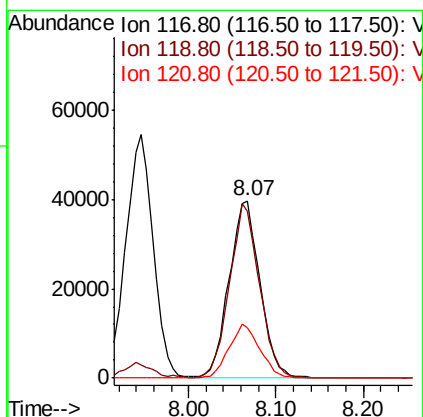
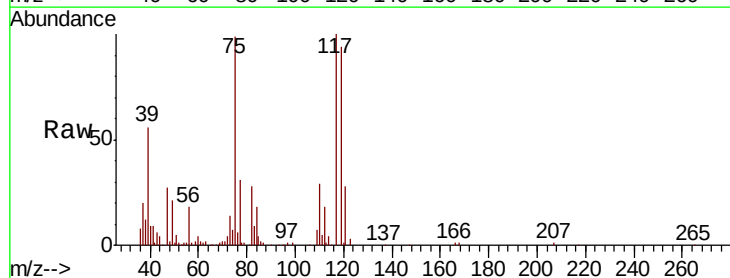
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

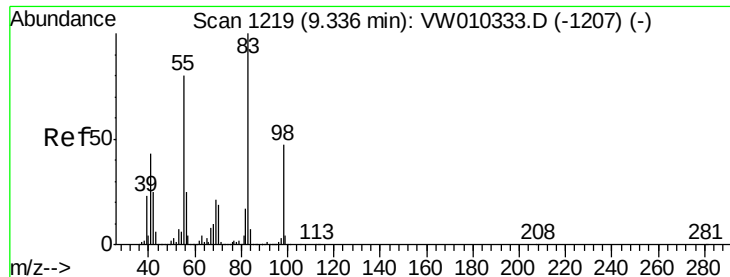
Tgt Ion: 43 Resp: 53296
Ion Ratio Lower Upper
43 100
61 13.0 9.8 14.8
70 10.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 4.981 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 117 Resp: 97835
Ion Ratio Lower Upper
117 100
119 93.8 75.3 112.9
121 28.2 24.4 36.6

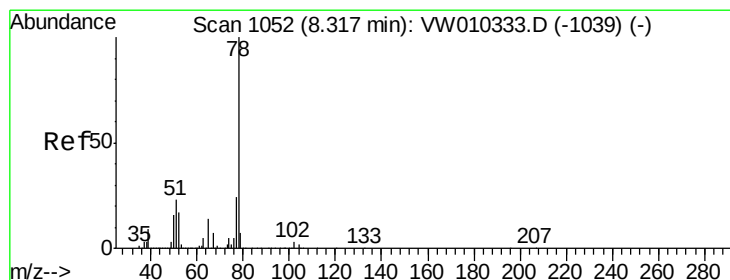
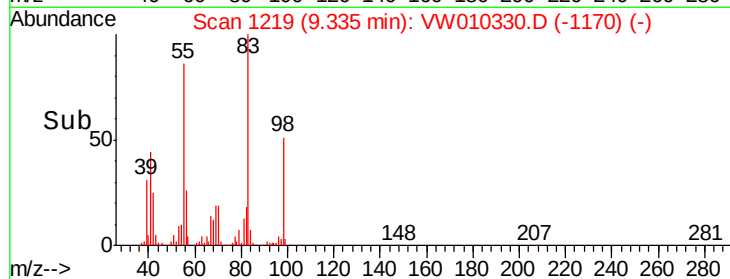
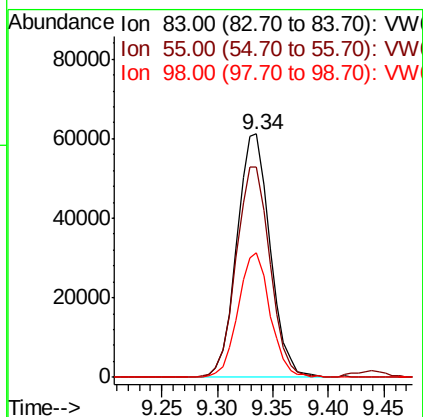
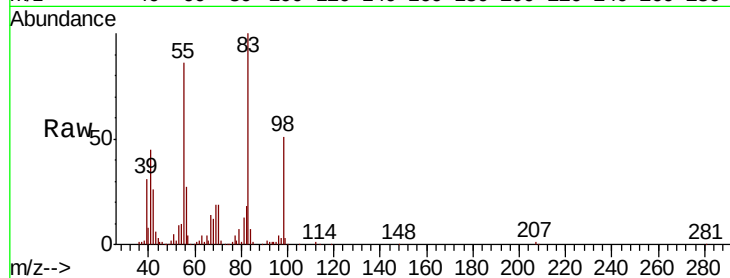




#39
Methylcyclohexane
Concen: 5.605 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

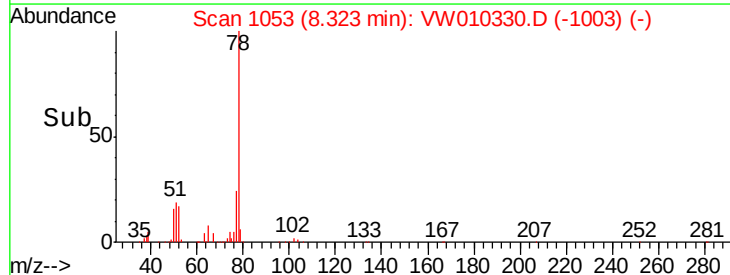
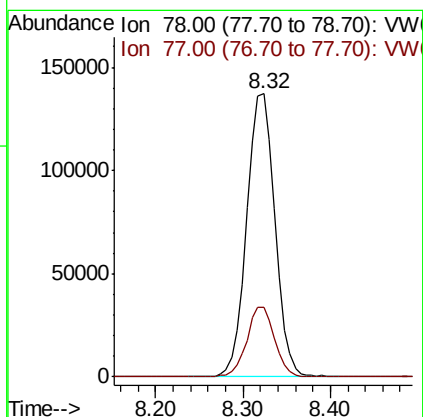
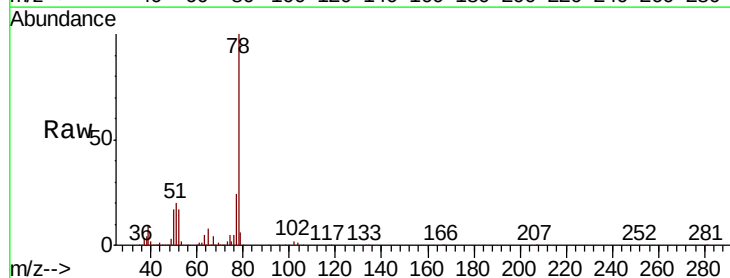
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

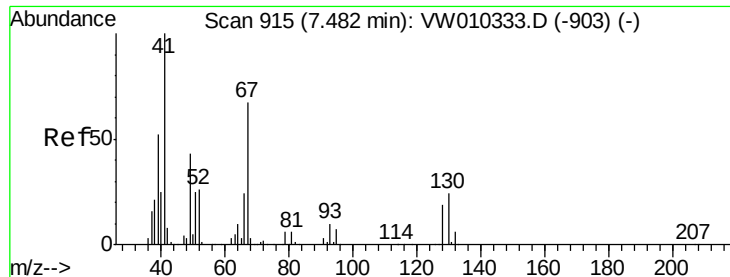
Tgt Ion: 83 Resp: 126929
Ion Ratio Lower Upper
83 100
55 86.1 67.1 100.7
98 51.1 39.2 58.8



#40
Benzene
Concen: 5.579 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 78 Resp: 306985
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7

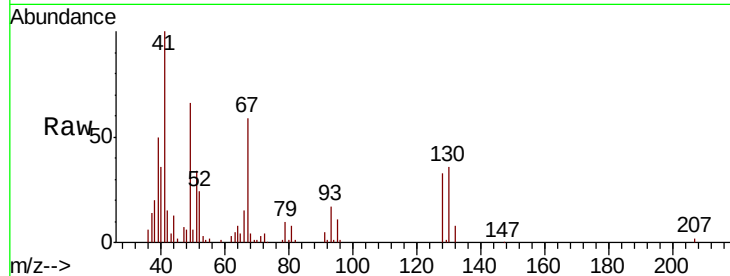




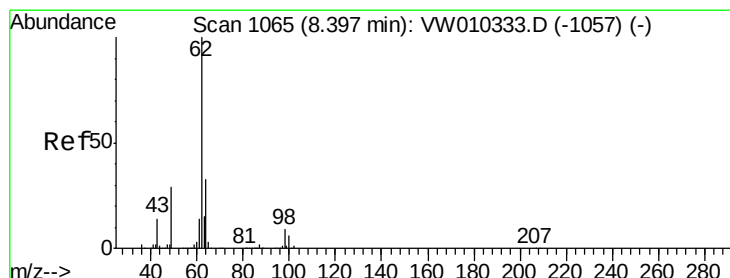
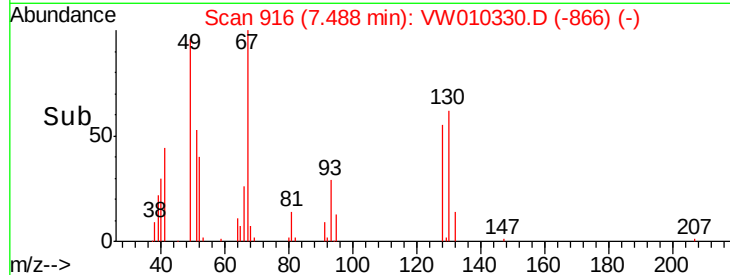
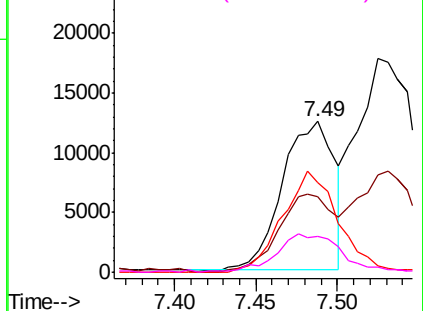
#41
Methacrylonitrile
Concen: 4.738 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	27616
Ion	Ratio	Lower	Upper
41	100		
39	55.2	45.0	67.4
67	74.0	50.7	76.1
52	29.6	22.6	33.8

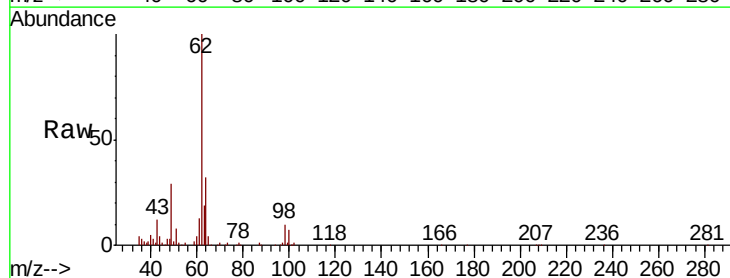


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

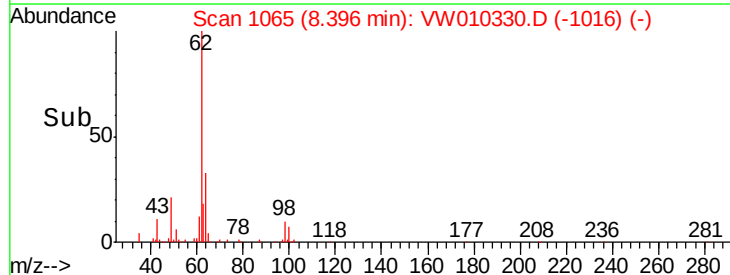
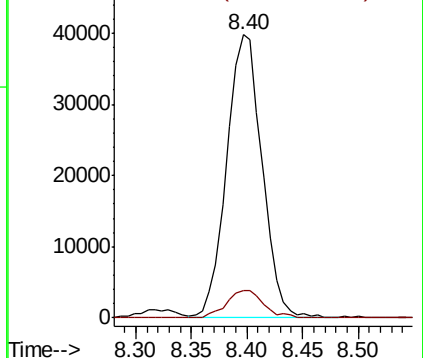


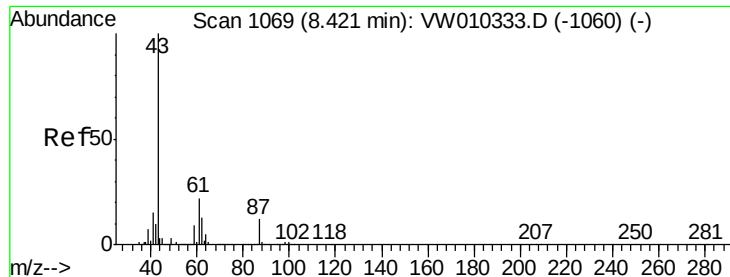
#42
1,2-Dichloroethane
Concen: 4.632 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion:	62	Resp:	87604
Ion	Ratio	Lower	Upper
62	100		
98	10.2	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: 4.487 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

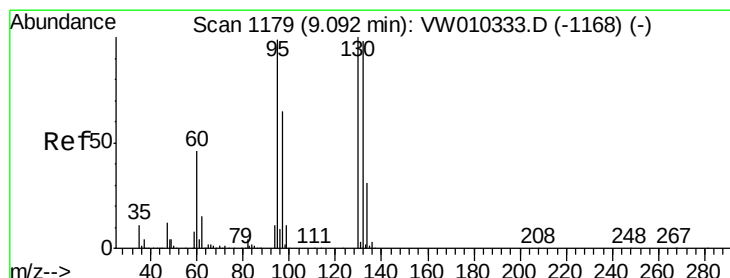
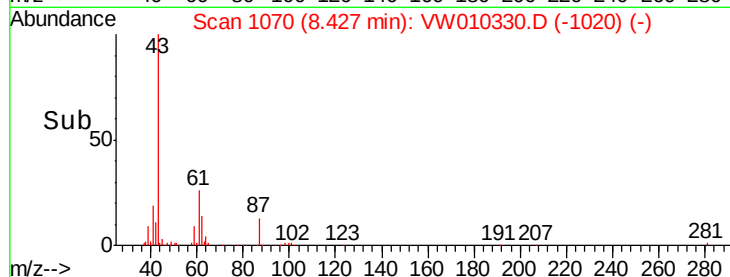
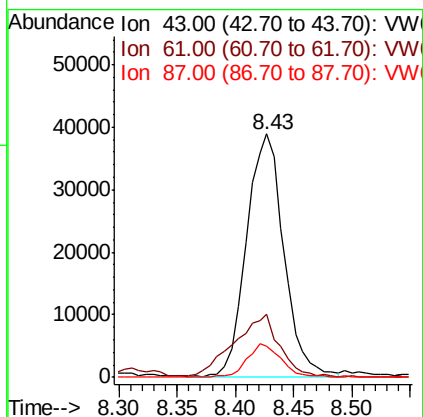
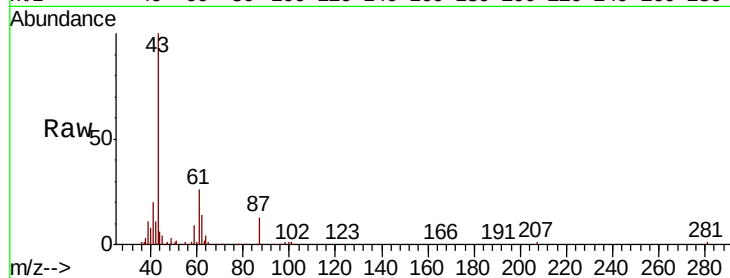
Tgt Ion: 43 Resp: 85989

Ion Ratio Lower Upper

43 100

61 31.7 23.0 34.6

87 13.0 9.3 13.9



#44

Trichloroethene

Concen: 5.516 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010330.D

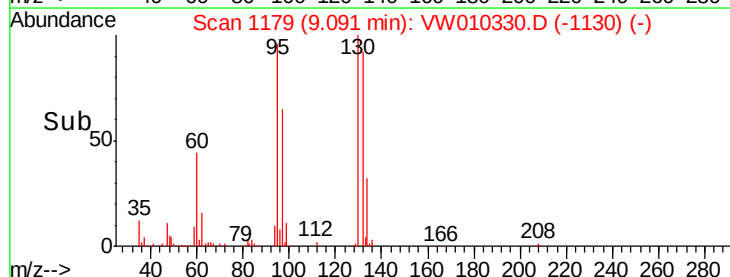
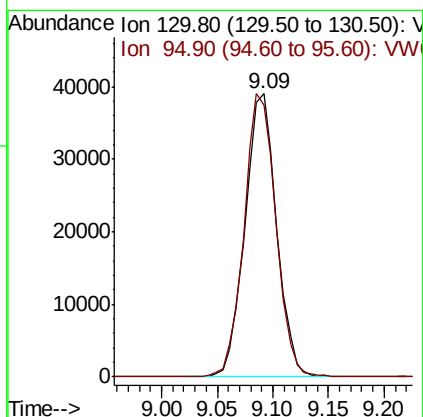
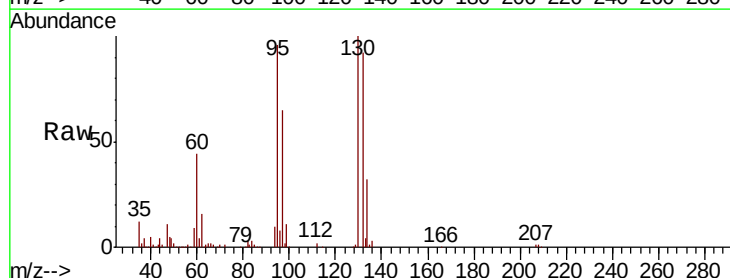
Acq: 09 May 2019 11:09

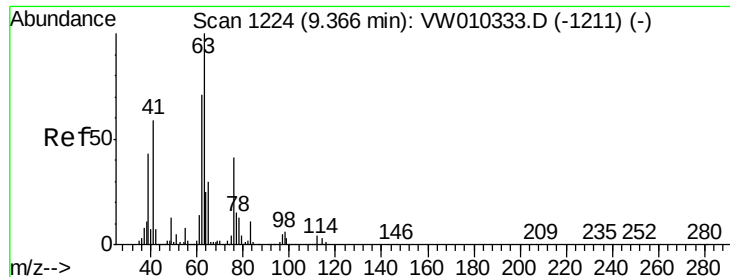
Tgt Ion: 130 Resp: 77094

Ion Ratio Lower Upper

130 100

95 96.3 0.0 205.4

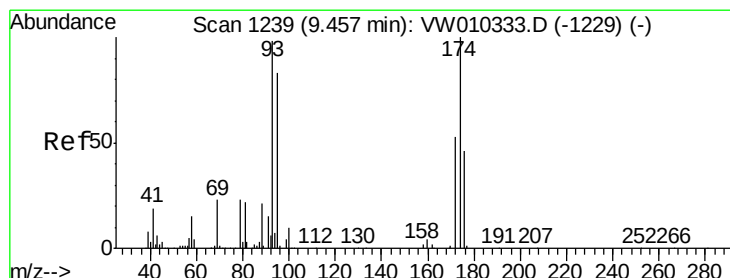
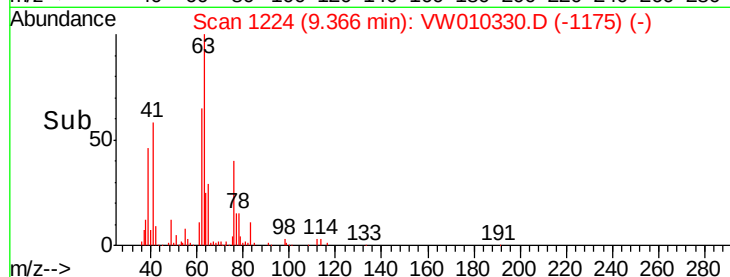
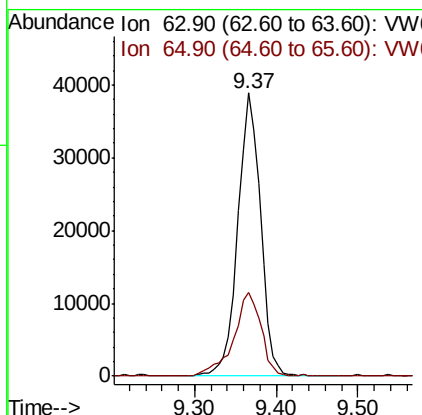
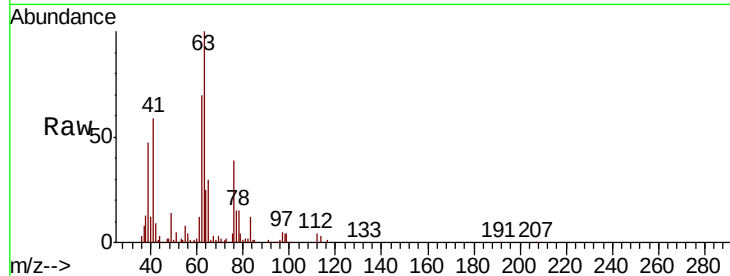




#45
 1,2-Dichloropropane
 Concen: 5.169 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

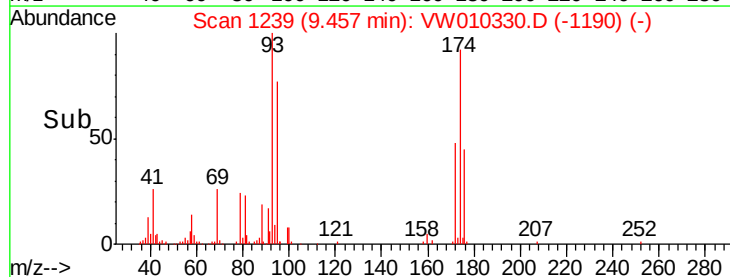
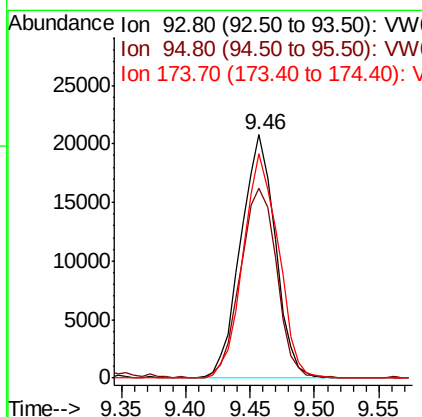
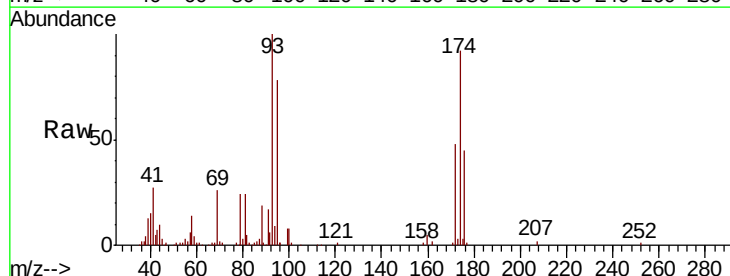
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

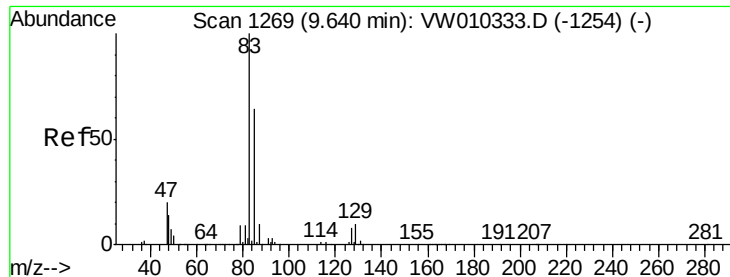
Tgt Ion: 63 Resp: 74767
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.6



#46
 Dibromomethane
 Concen: 5.174 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 93 Resp: 38788
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.8 98.8
 174 93.4 75.5 113.3





#47

Bromodichloromethane

Concen: 4.762 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

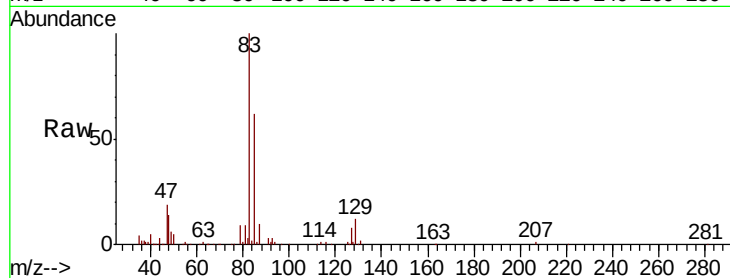
Tgt Ion: 83 Resp: 92160

Ion Ratio Lower Upper

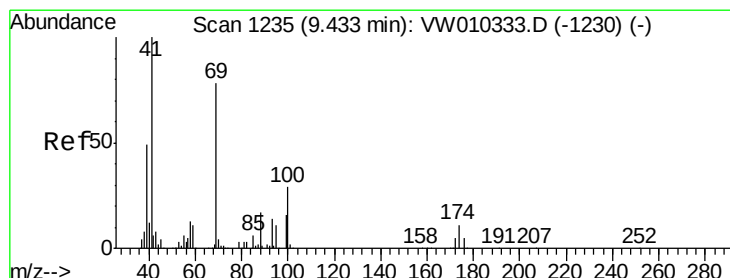
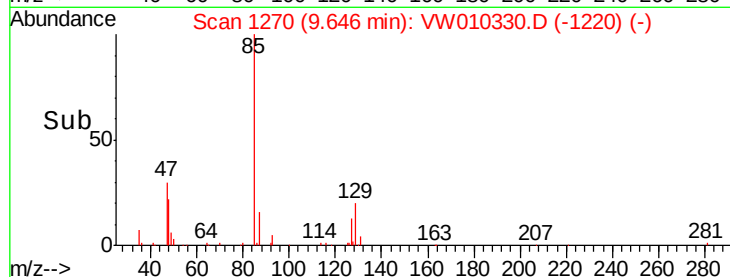
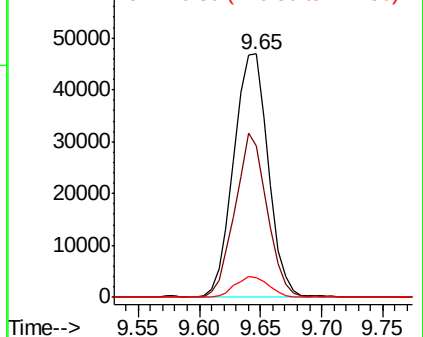
83 100

85 62.0 50.6 75.8

127 7.9 6.6 10.0



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



#48

Methyl methacrylate

Concen: 4.191 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

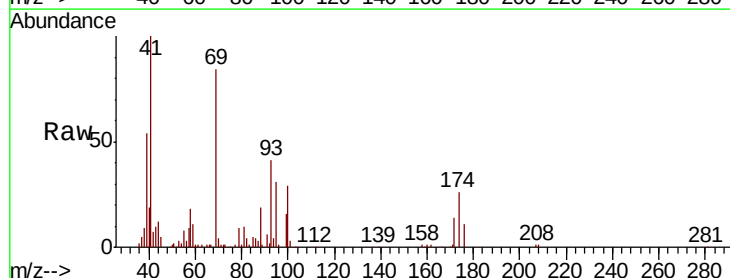
Tgt Ion: 41 Resp: 39094

Ion Ratio Lower Upper

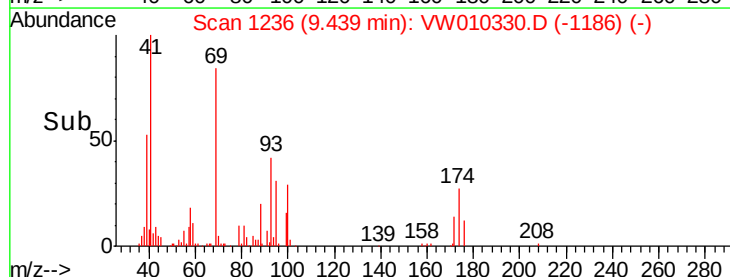
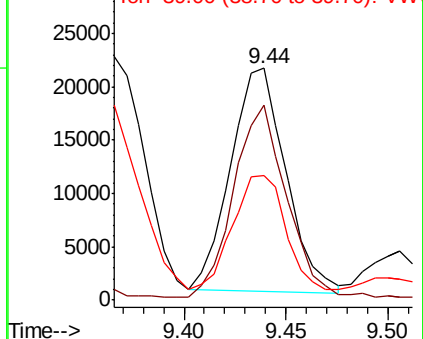
41 100

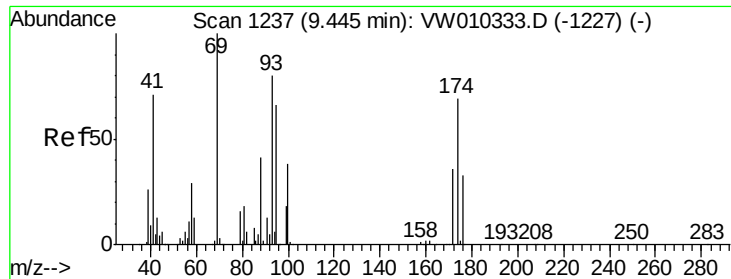
69 83.6 60.1 90.1

39 50.5 51.0 76.6#



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





#49

1,4-Dioxane

Concen: 101.781 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

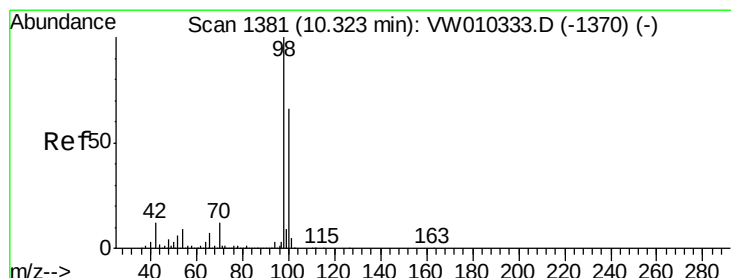
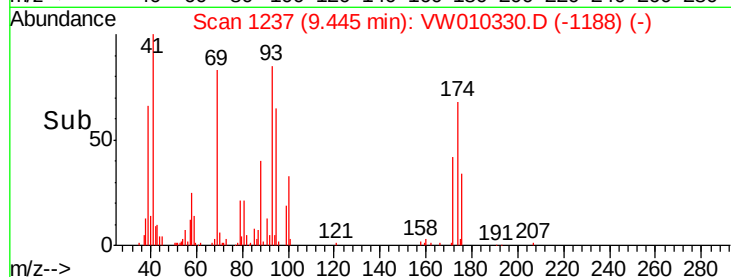
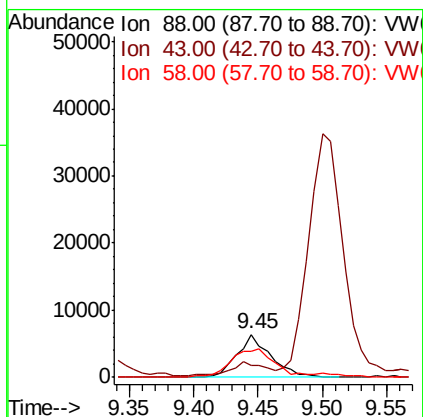
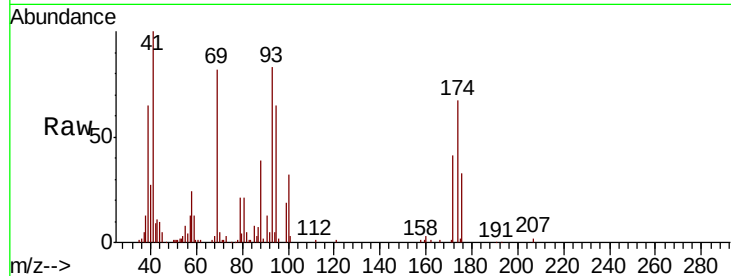
Tgt Ion: 88 Resp: 11659

Ion Ratio Lower Upper

88 100

43 30.1 31.9 47.9#

58 83.9 61.8 92.6



#50

Toluene-d8

Concen: 4.708 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010330.D

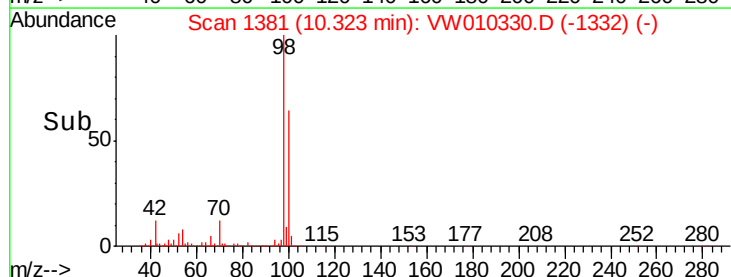
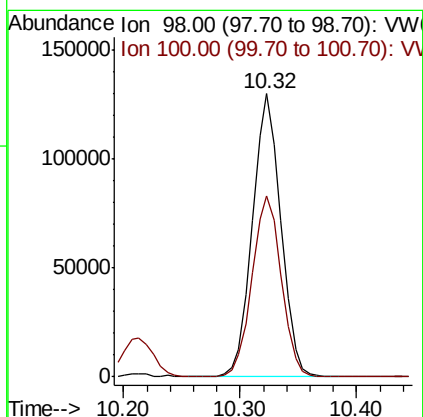
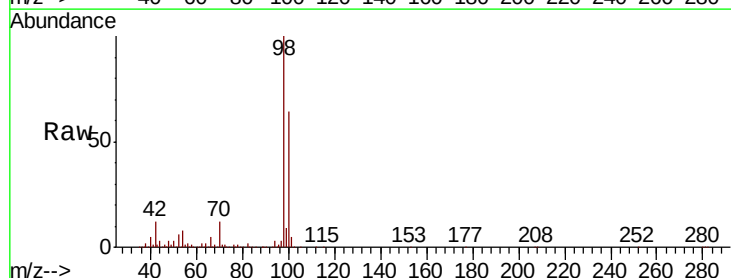
Acq: 09 May 2019 11:09

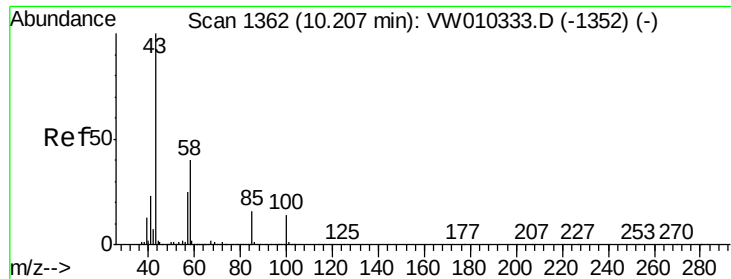
Tgt Ion: 98 Resp: 221000

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5

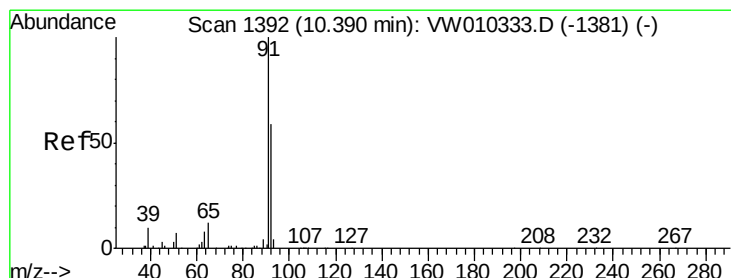
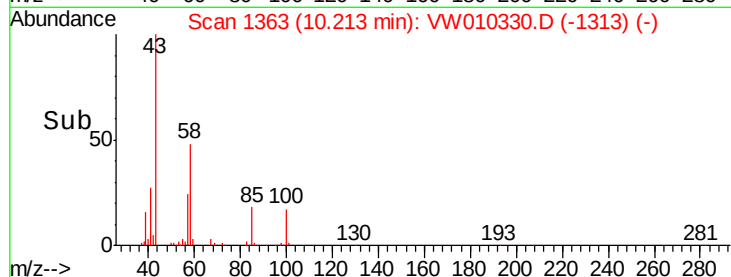
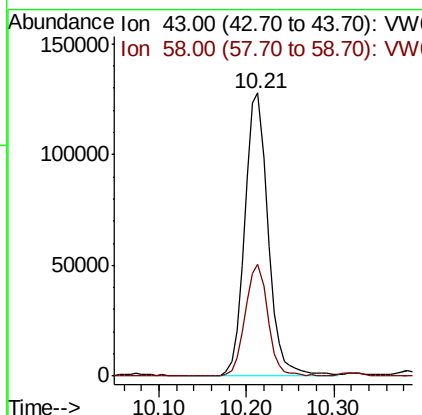
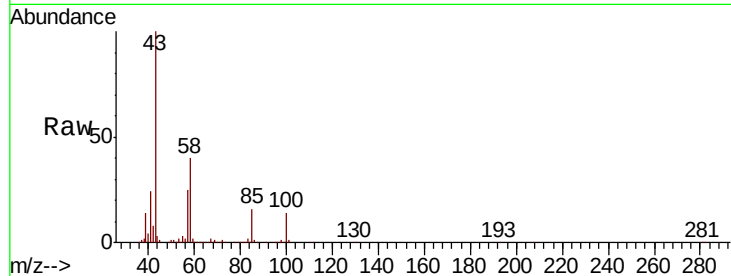




#51
 4-Methyl-2-Pentanone
 Concen: 23.569 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

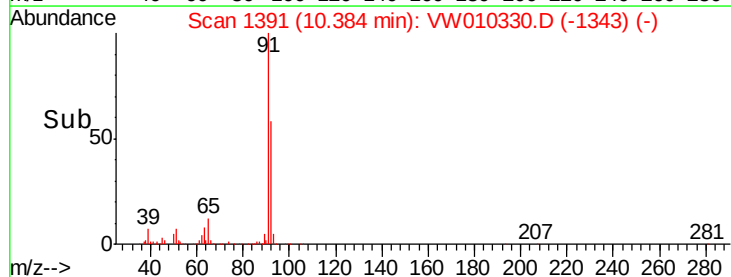
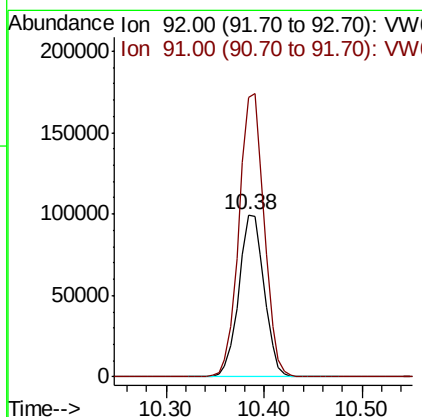
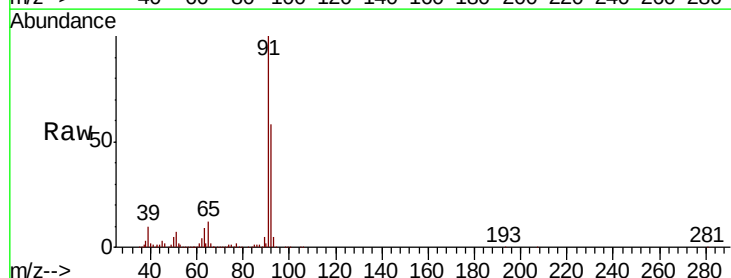
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

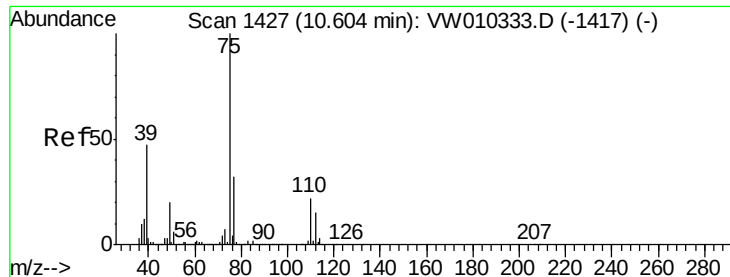
Tgt Ion: 43 Resp: 236565
 Ion Ratio Lower Upper
 43 100
 58 38.6 28.9 43.3



#52
 Toluene
 Concen: 5.220 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 92 Resp: 178939
 Ion Ratio Lower Upper
 92 100
 91 173.2 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 4.274 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampled :

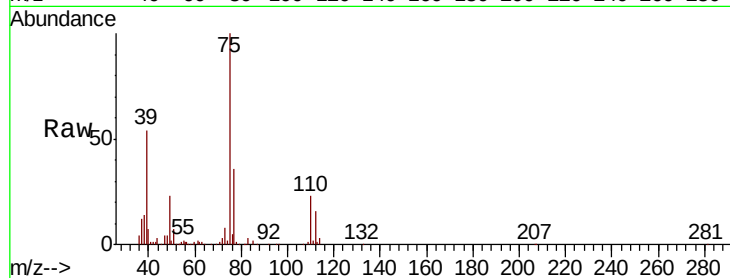
VSTDIC005

Tgt Ion: 75 Resp: 82007

Ion Ratio Lower Upper

75 100

77 35.2 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

50000

40000

30000

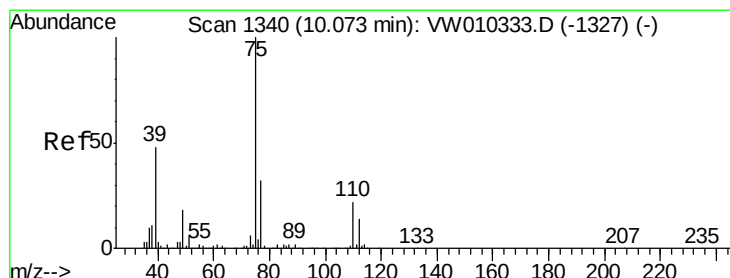
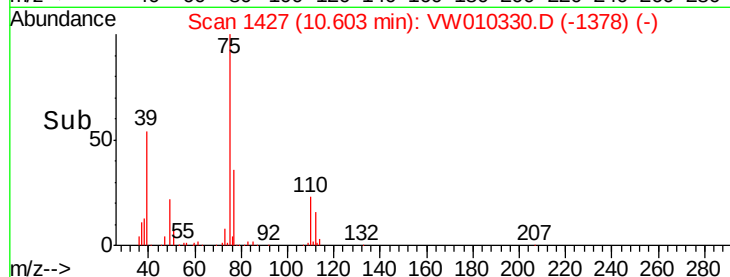
20000

10000

0

Time-->

10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 4.646 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

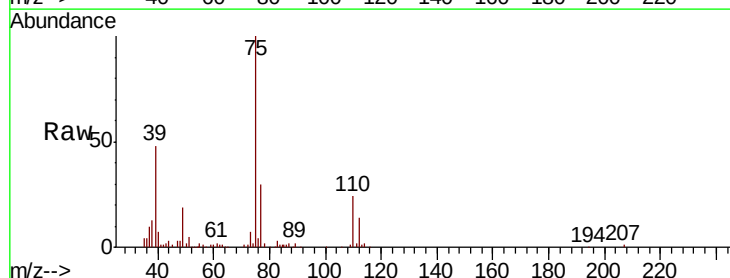
Tgt Ion: 75 Resp: 101779

Ion Ratio Lower Upper

75 100

77 29.5 25.6 38.4

39 47.8 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

10.07

60000

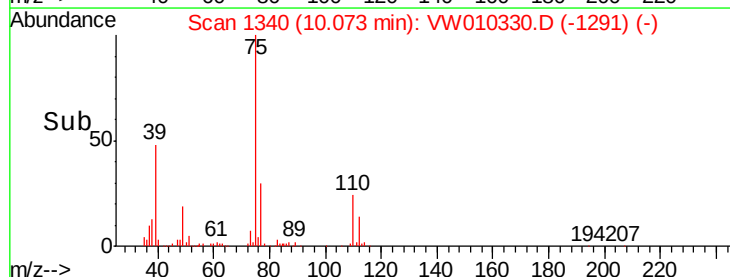
40000

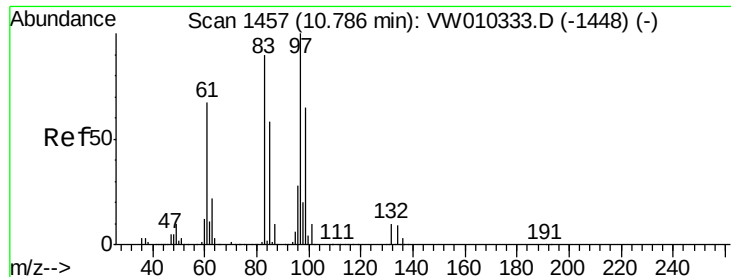
20000

0

Time-->

10.00 10.10

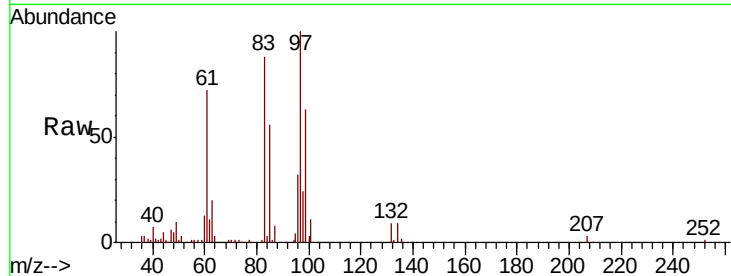




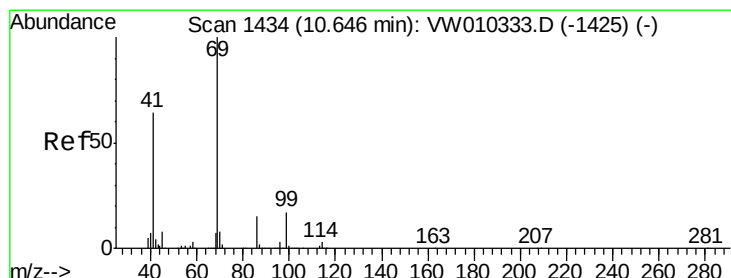
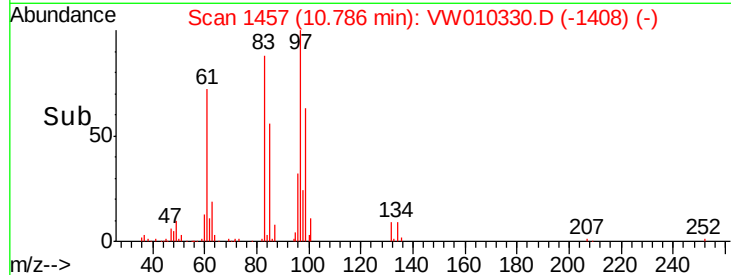
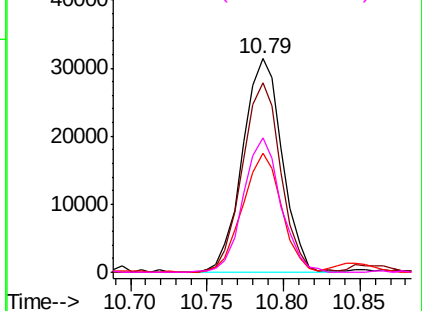
#55
 1,1,2-Trichloroethane
 Concen: 5.394 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	56441
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.9	103.3
85	55.9	42.9	64.3
99	62.9	48.6	72.8

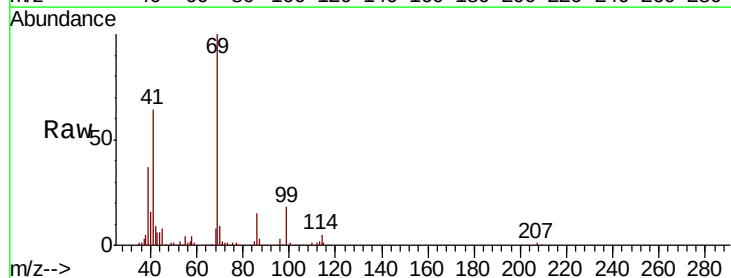


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

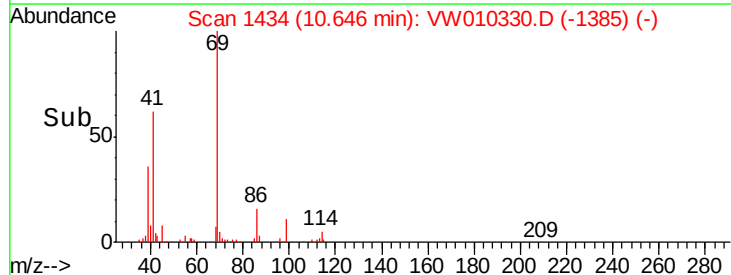
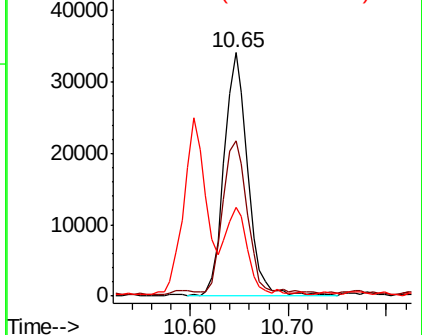


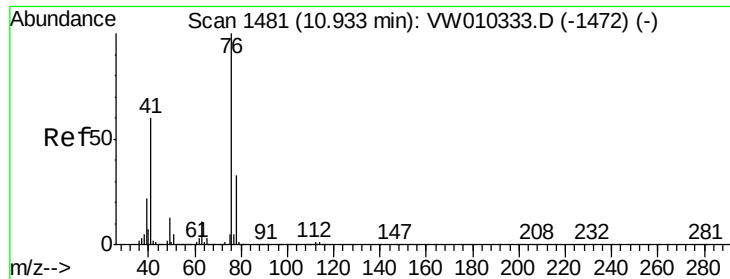
#56
 Ethyl methacrylate
 Concen: 4.345 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion:	69	Resp:	56526
Ion	Ratio	Lower	Upper
69	100		
41	66.7	61.0	91.6
39	32.3	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

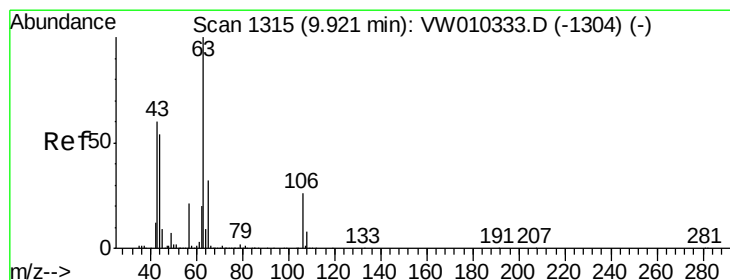
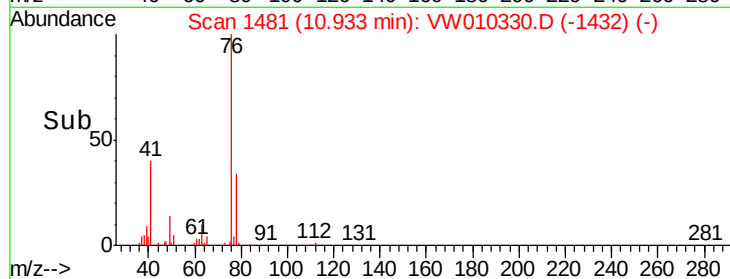
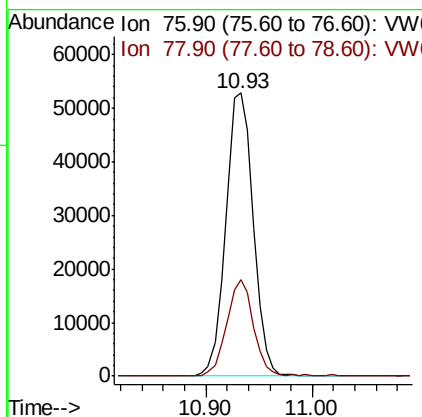
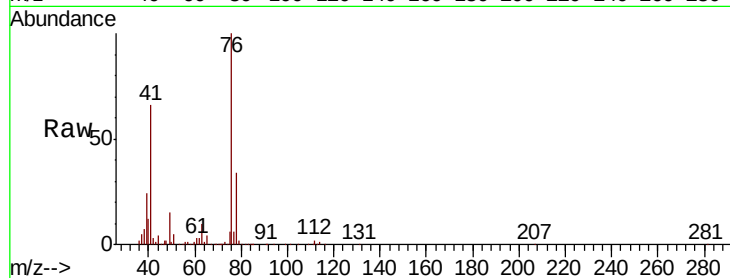




#57
 1,3-Dichloropropane
 Concen: 5.078 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

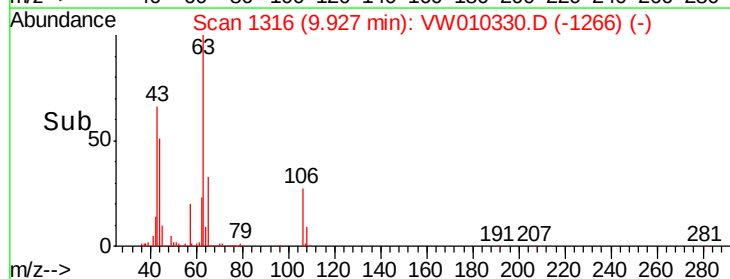
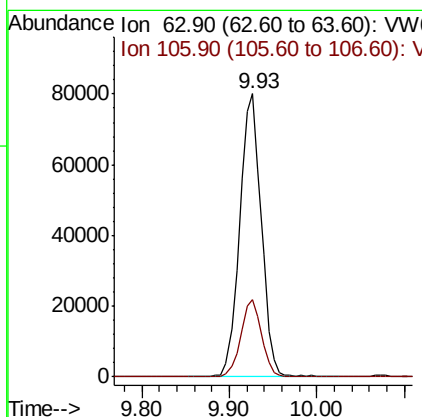
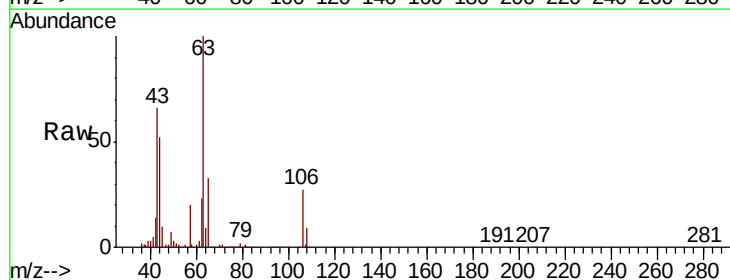
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

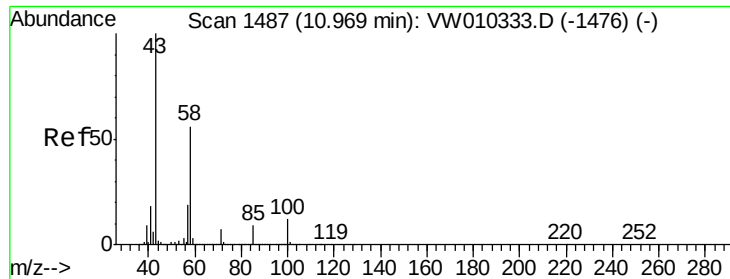
Tgt Ion: 76 Resp: 95241
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.960 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 63 Resp: 137544
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.4 32.0

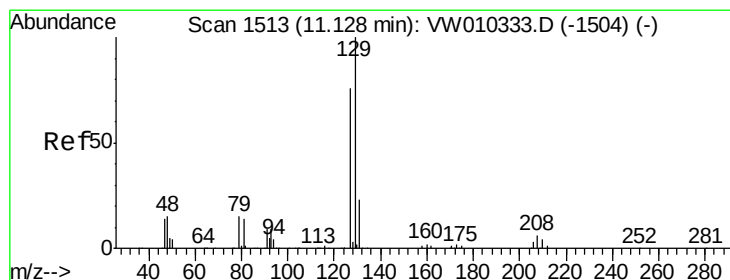
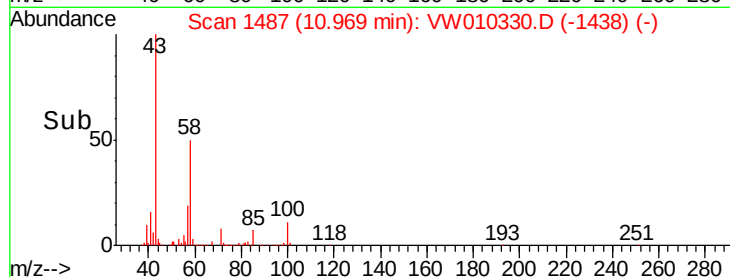
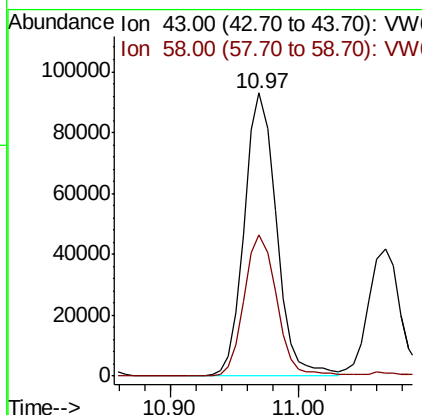
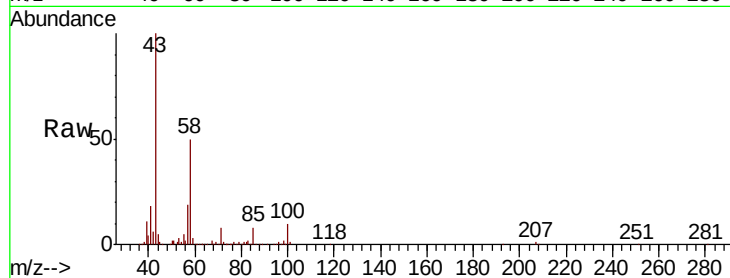




#59
2-Hexanone
Concen: 22.797 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

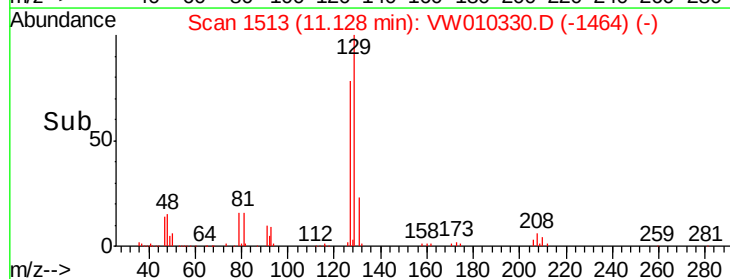
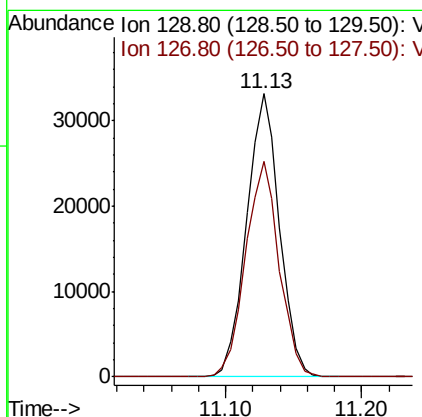
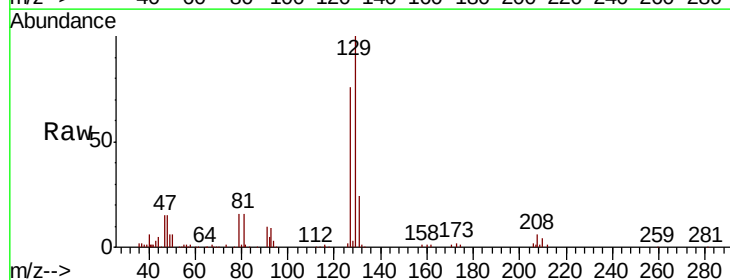
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

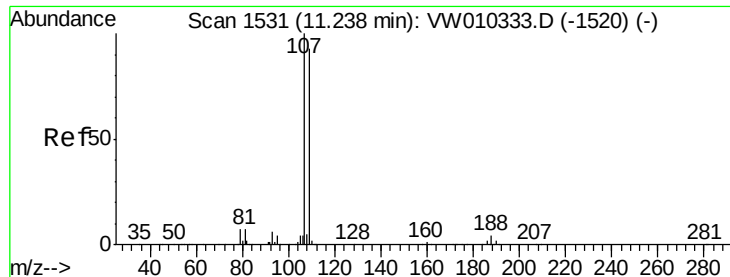
Tgt Ion: 43 Resp: 159279
Ion Ratio Lower Upper
43 100
58 50.8 24.9 74.7



#60
Dibromochloromethane
Concen: 4.630 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 129 Resp: 56000
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0

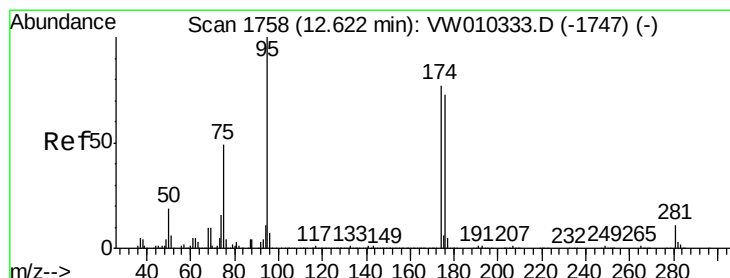
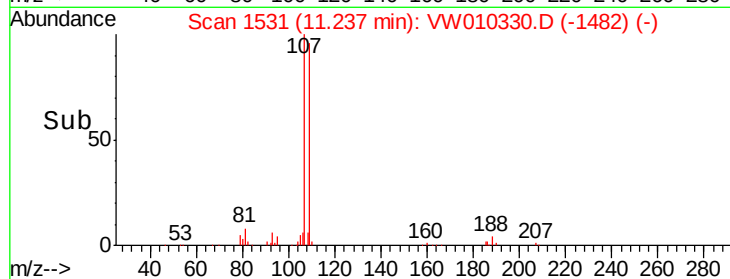
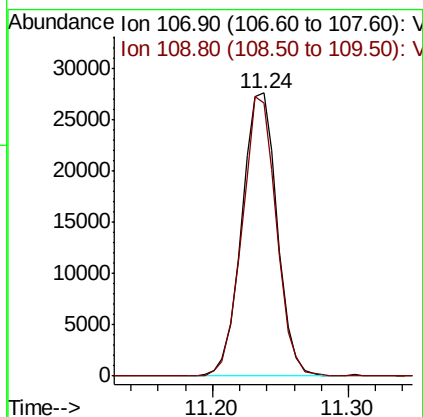
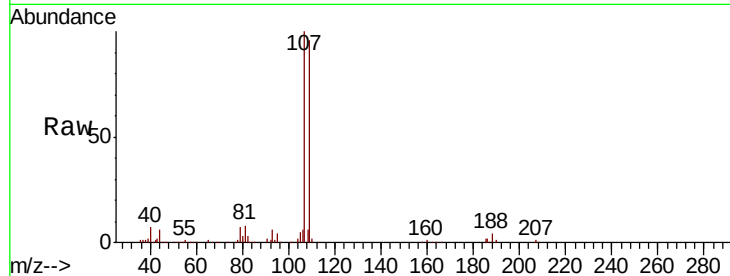




#61
 1,2-Dibromoethane
 Concen: 5.046 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

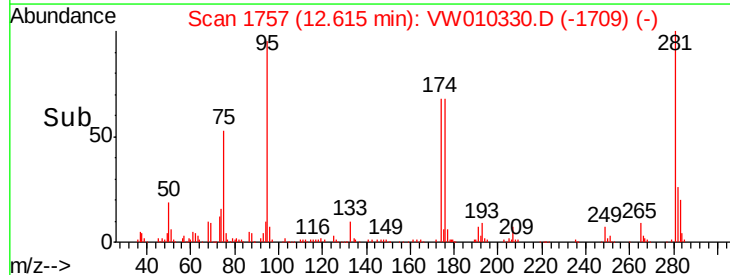
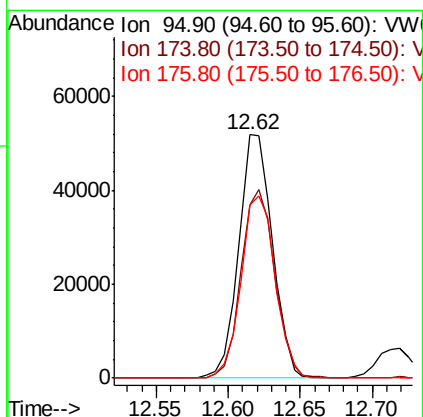
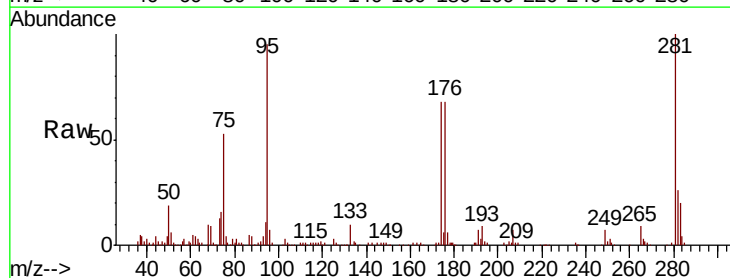
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

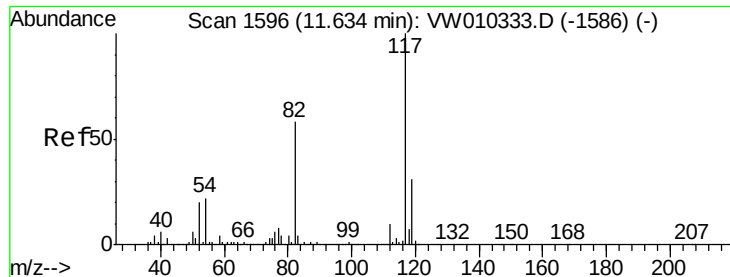
Tgt Ion: 107 Resp: 50226
 Ion Ratio Lower Upper
 107 100
 109 95.2 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 4.927 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 95 Resp: 84071
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 151.4
 176 75.7 0.0 146.2

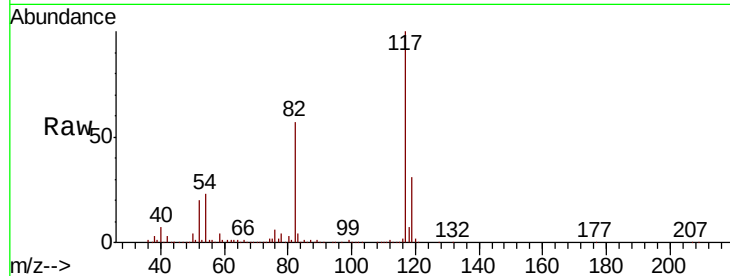




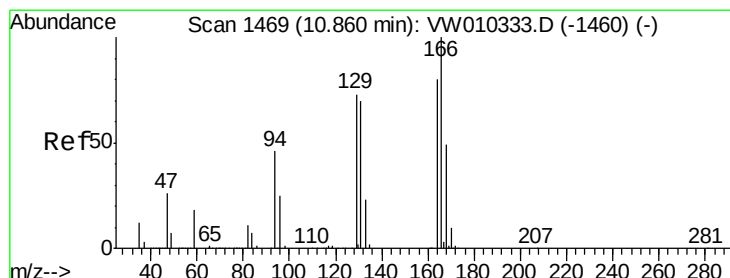
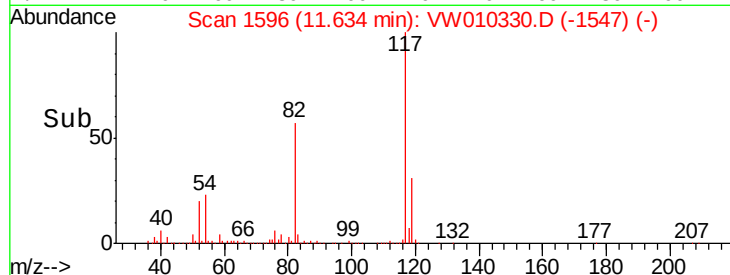
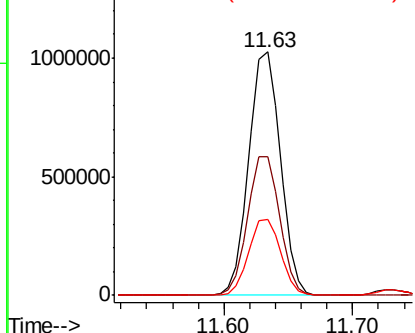
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1743628
Ion Ratio Lower Upper
117 100
82 57.1 45.2 67.8
119 31.4 25.4 38.2

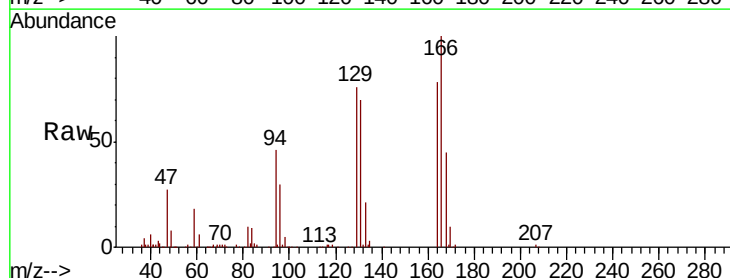


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

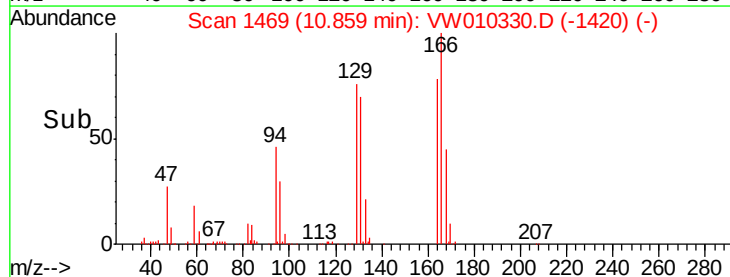
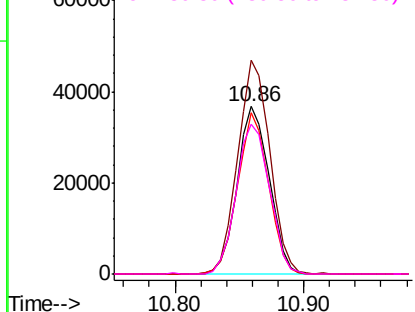


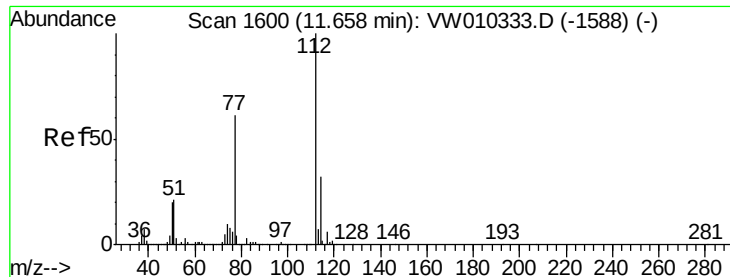
#64
Tetrachloroethene
Concen: 5.593 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion:164 Resp: 63305
Ion Ratio Lower Upper
164 100
166 127.7 101.2 151.8
129 96.6 77.8 116.6
131 89.6 73.1 109.7



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

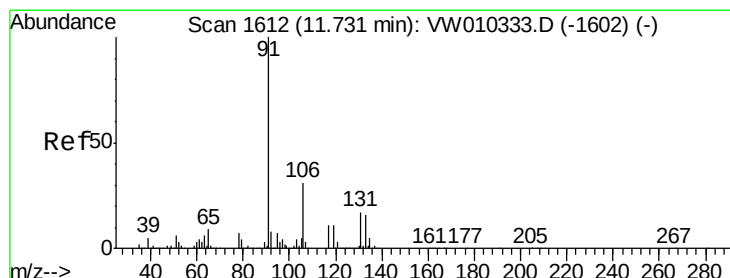
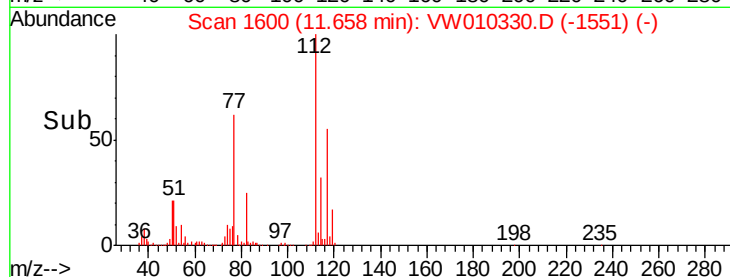
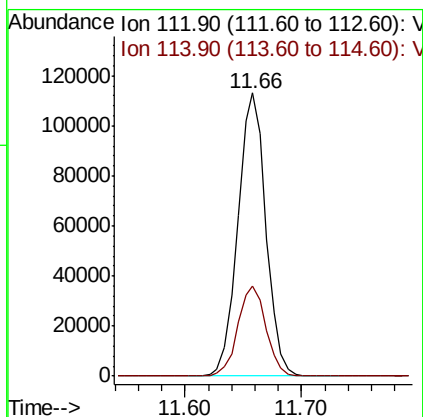
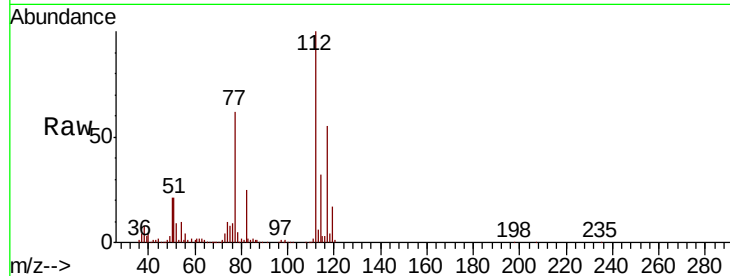




#65
Chlorobenzene
Concen: 5.298 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

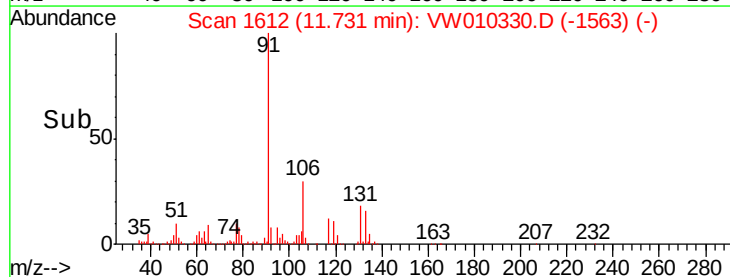
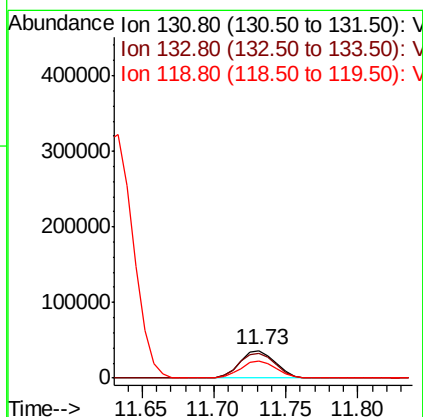
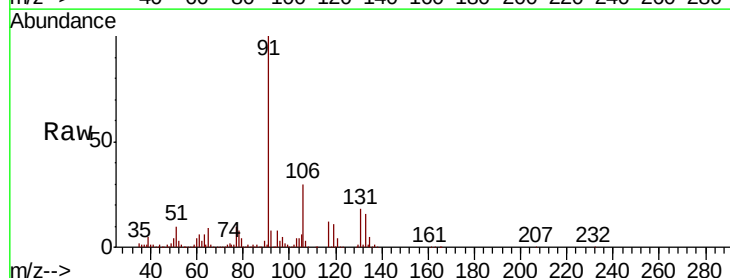
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

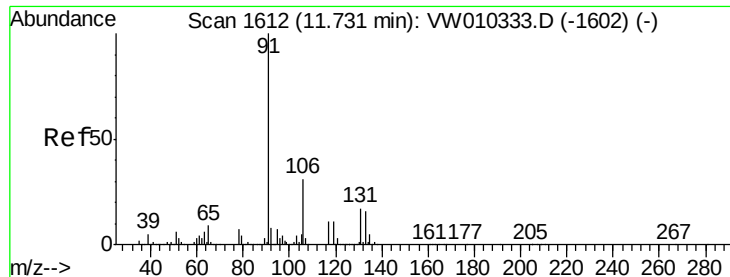
Tgt Ion:112 Resp: 189084
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 4.884 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion:131 Resp: 62330
Ion Ratio Lower Upper
131 100
133 93.9 46.5 139.5
119 63.2 31.9 95.5

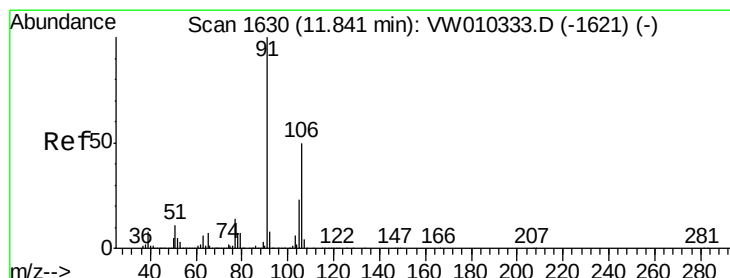
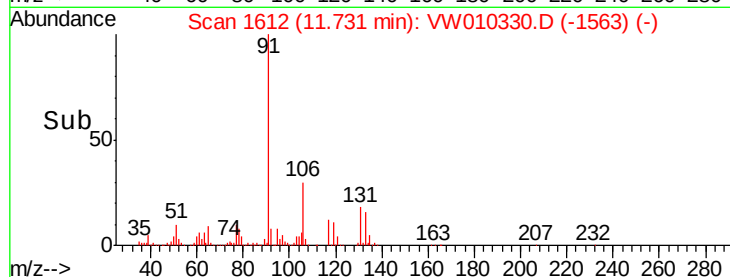
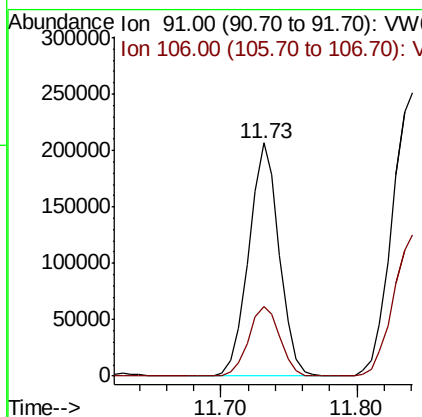
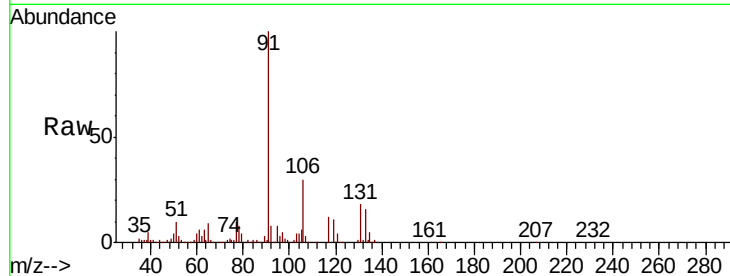




#67
Ethyl Benzene
Concen: 5.084 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

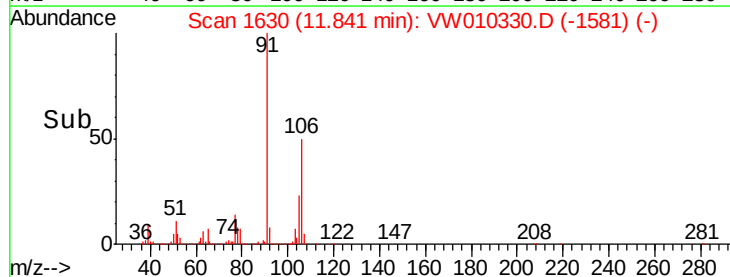
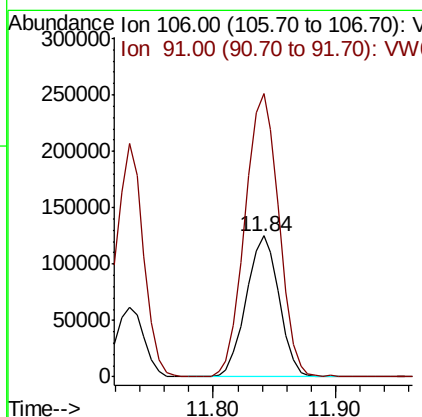
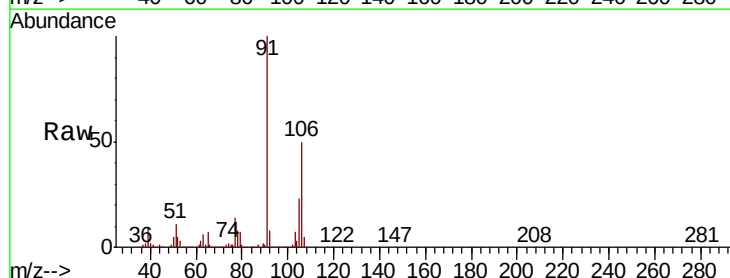
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

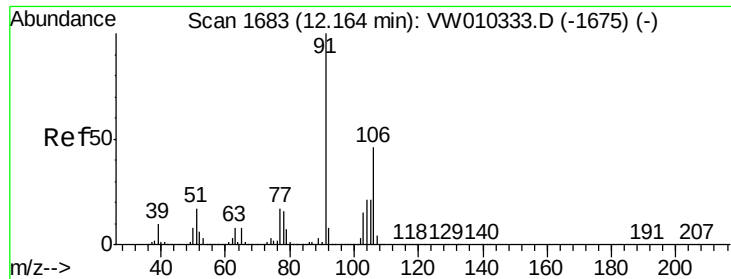
Tgt Ion: 91 Resp: 323726
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8



#68
m/p-Xylenes
Concen: 9.807 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 106 Resp: 233413
Ion Ratio Lower Upper
106 100
91 206.8 165.0 247.6

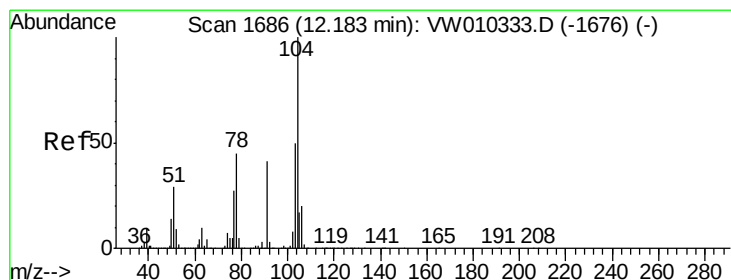
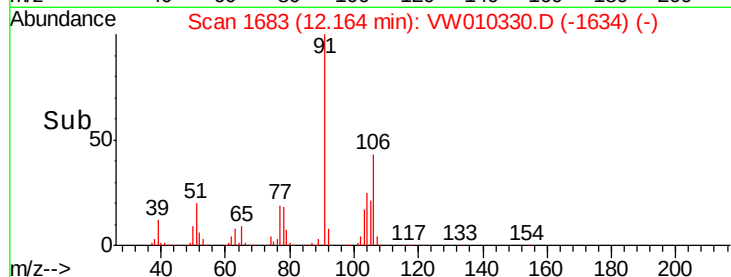
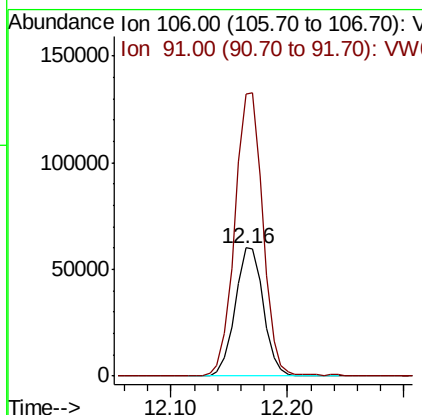
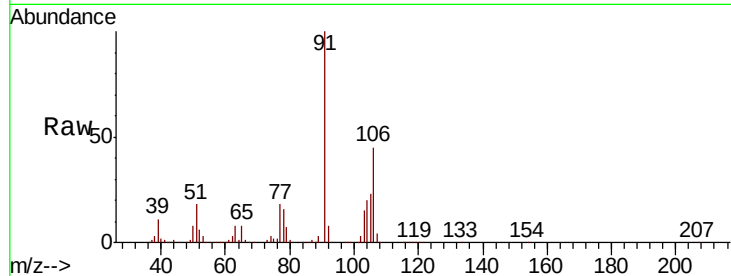




#69
o-Xylene
Concen: 4.695 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

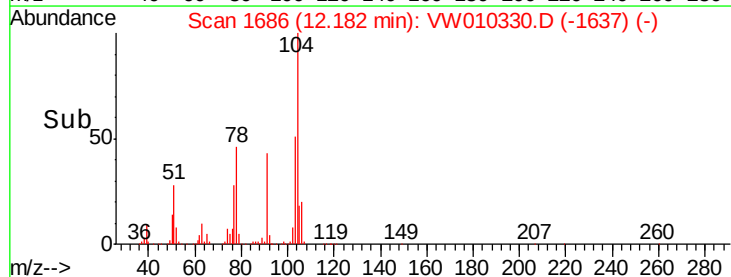
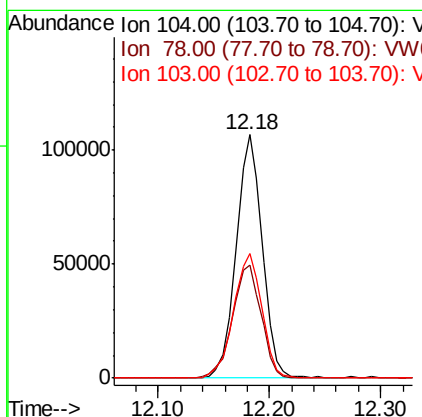
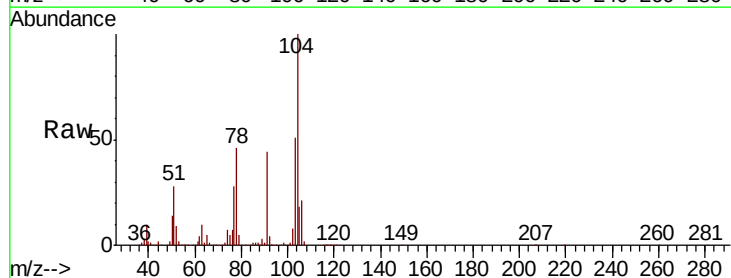
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

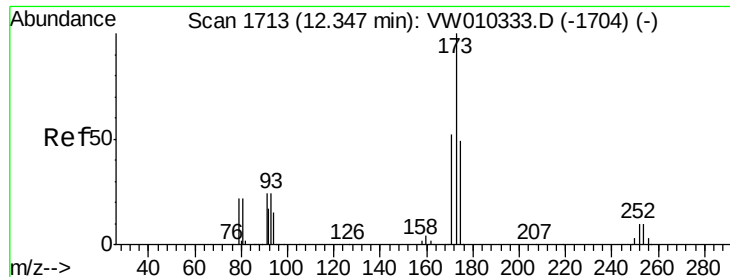
Tgt Ion:106 Resp: 101750
Ion Ratio Lower Upper
106 100
91 220.7 110.5 331.4



#70
Styrene
Concen: 4.618 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion:104 Resp: 172546
Ion Ratio Lower Upper
104 100
78 51.2 42.5 63.7
103 55.9 43.6 65.4





#71

Bromoform

Concen: 5.032 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

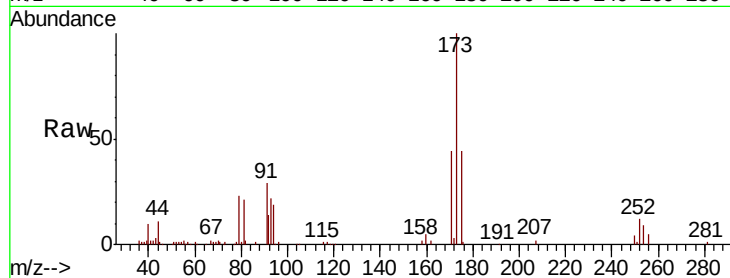
Tgt Ion:173 Resp: 33956

Ion Ratio Lower Upper

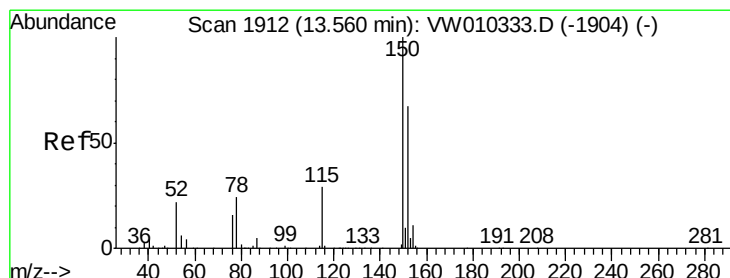
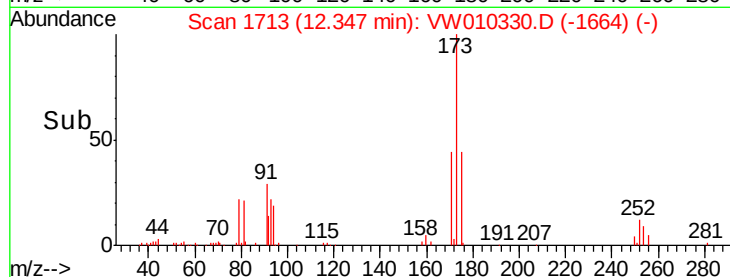
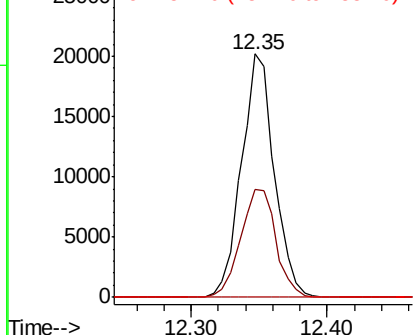
173 100

175 47.6 23.8 71.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

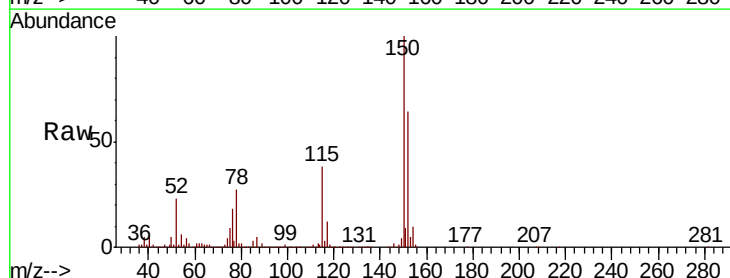
Tgt Ion:152 Resp: 861898

Ion Ratio Lower Upper

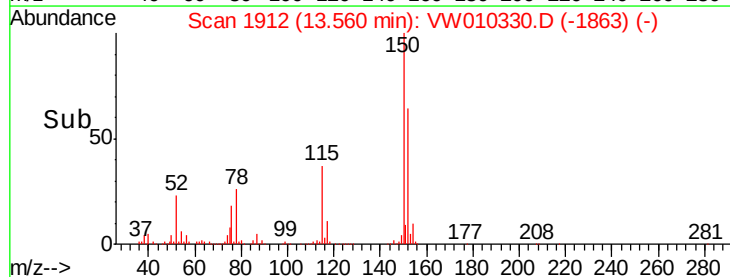
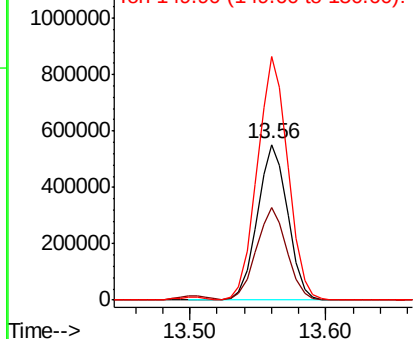
152 100

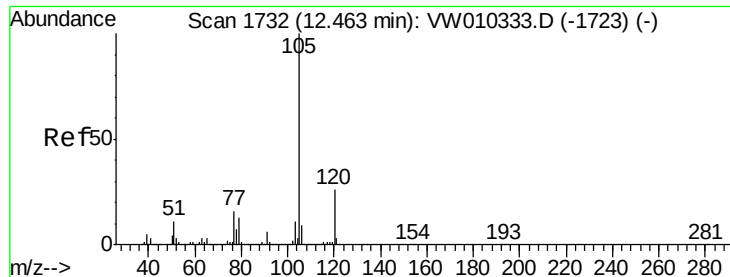
115 59.8 30.4 91.2

150 158.7 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: 4.772 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

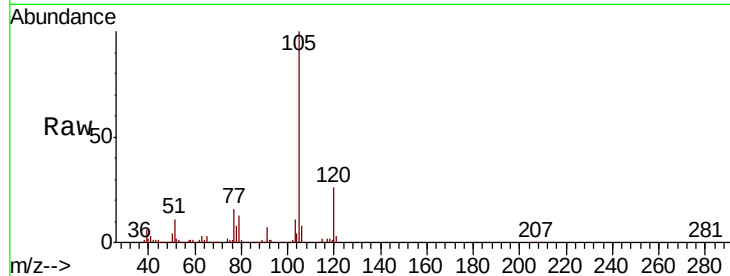
VSTDIC005

Tgt Ion: 105 Resp: 286238

Ion Ratio Lower Upper

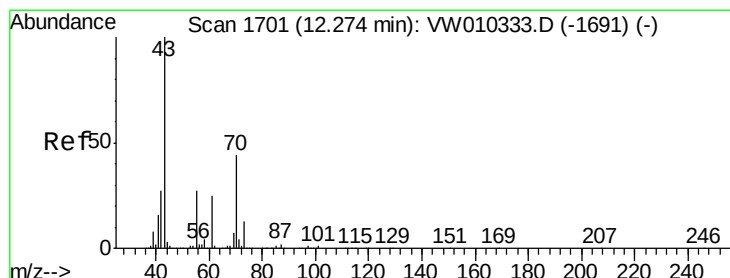
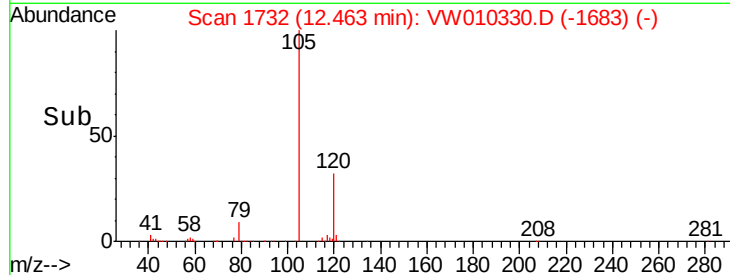
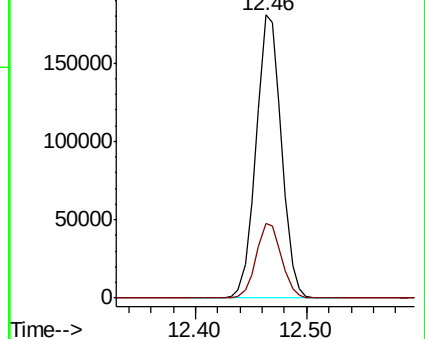
105 100

120 26.5 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: 3.930 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion: 43 Resp: 65286

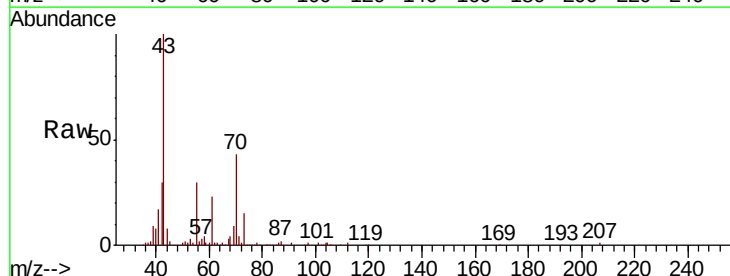
Ion Ratio Lower Upper

43 100

70 42.9 31.3 46.9

55 30.8 20.0 30.0#

61 23.8 17.8 26.8

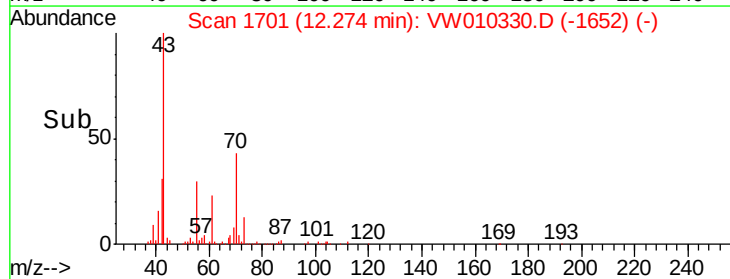
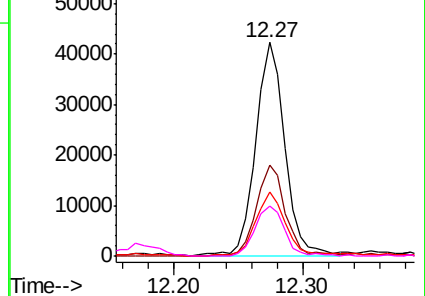


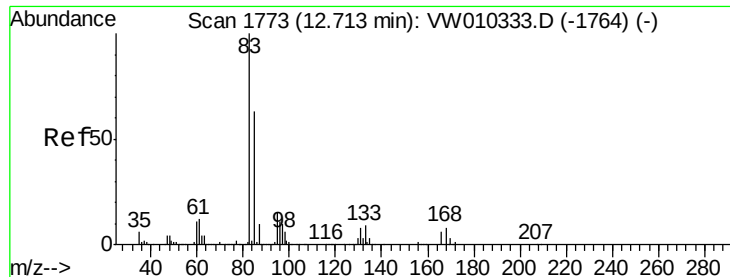
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 5.879 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

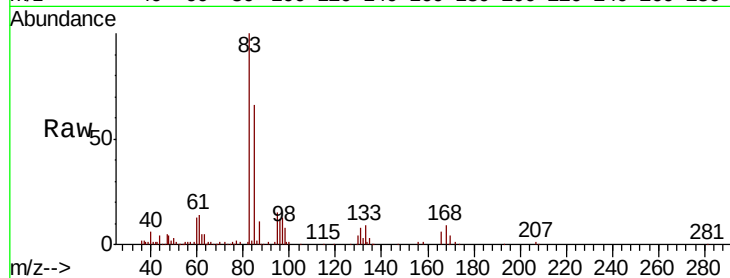
Tgt Ion: 83 Resp: 69672

Ion Ratio Lower Upper

83 100

131 9.6 5.3 15.8

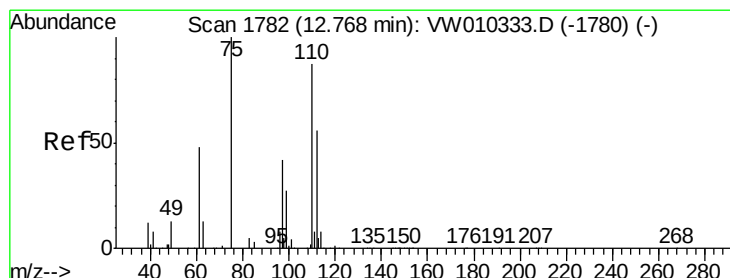
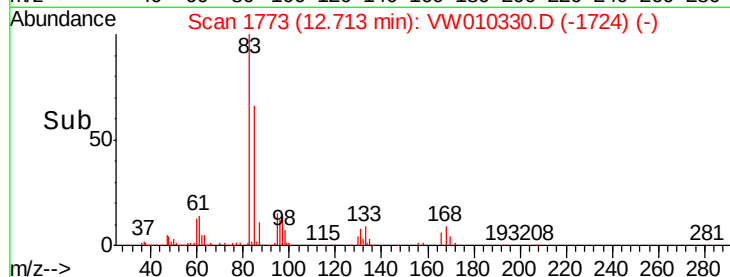
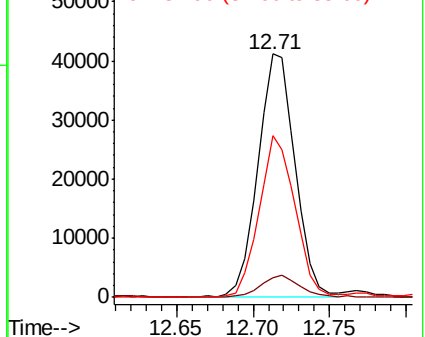
85 64.1 32.0 96.2



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: 10.078 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW010330.D

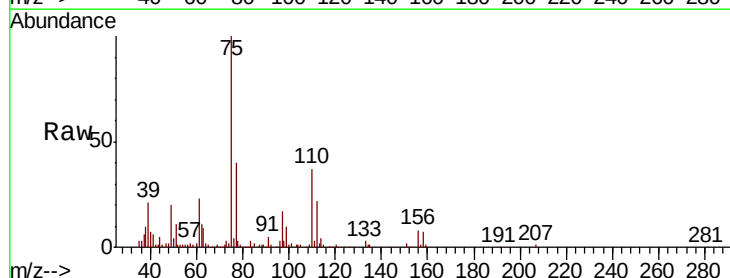
Acq: 09 May 2019 11:09

Tgt Ion: 75 Resp: 86935

Ion Ratio Lower Upper

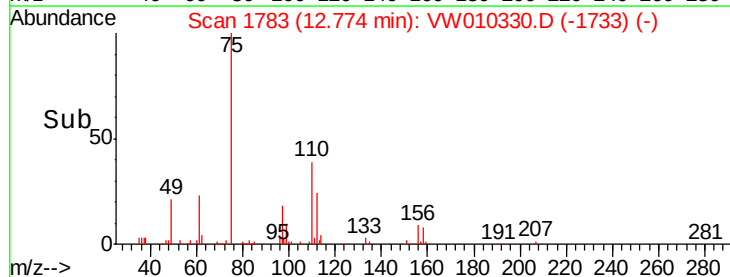
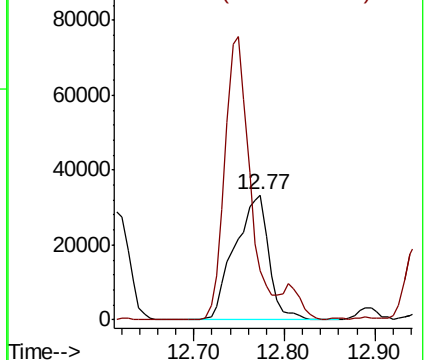
75 100

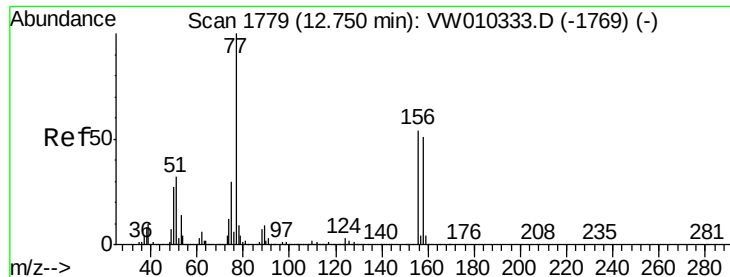
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

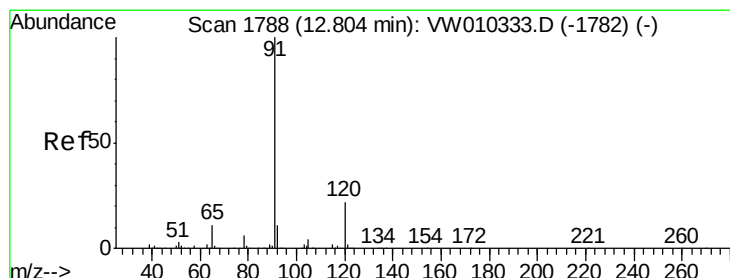
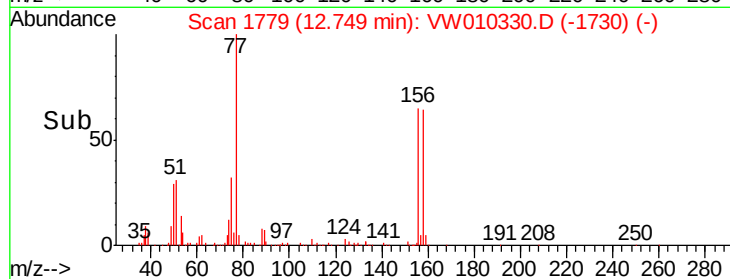
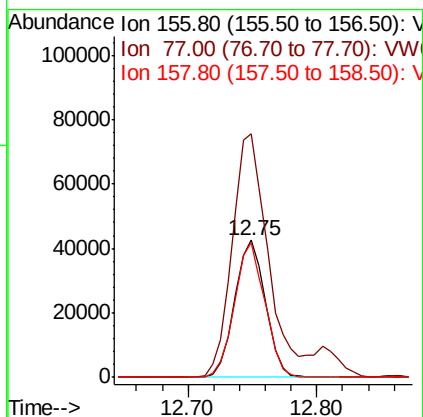
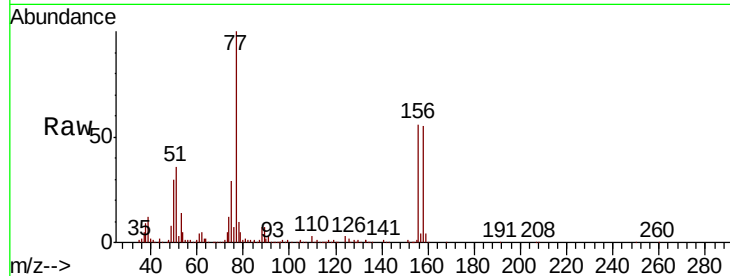




#77
Bromobenzene
Concen: 5.084 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

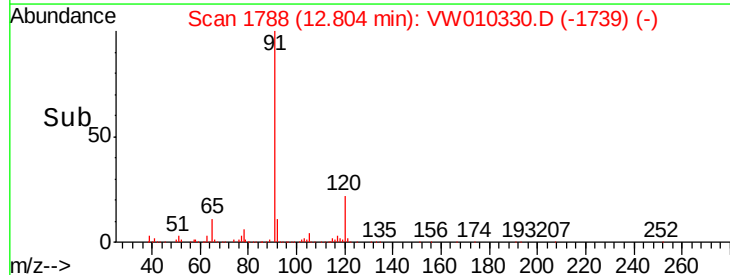
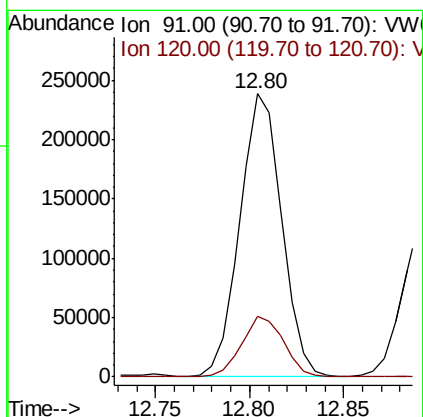
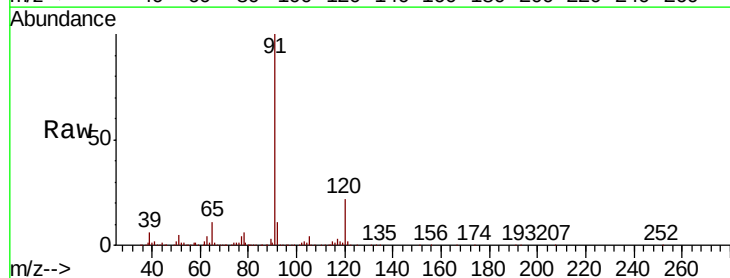
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

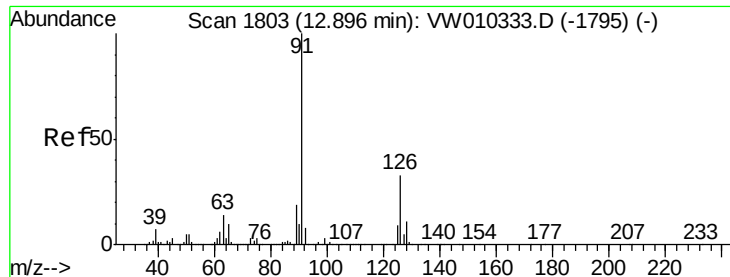
Tgt Ion: 156 Resp: 70143
Ion Ratio Lower Upper
156 100
77 209.7 102.5 307.4
158 97.3 48.8 146.4



#78
n-propylbenzene
Concen: 4.936 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 91 Resp: 366955
Ion Ratio Lower Upper
91 100
120 21.6 11.1 33.1





#79

2-Chlorotoluene

Concen: 5.066 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

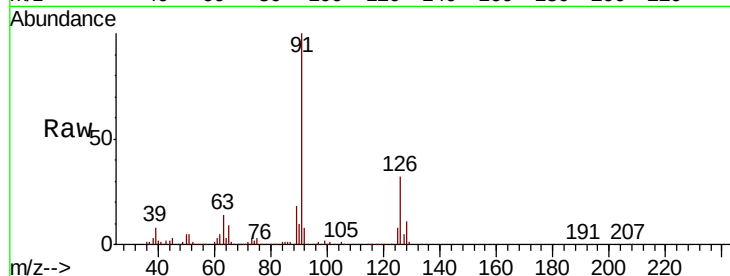
VSTDIC005

Tgt Ion: 91 Resp: 216599

Ion Ratio Lower Upper

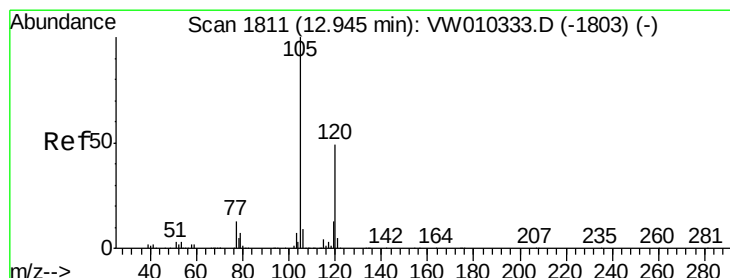
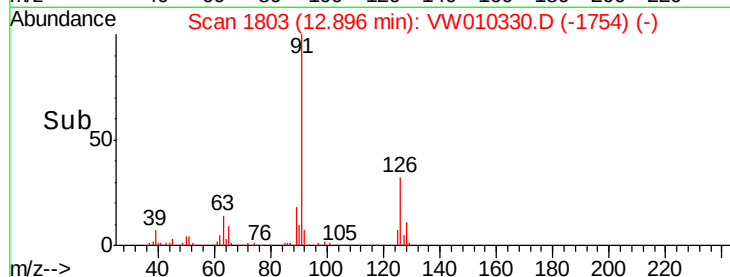
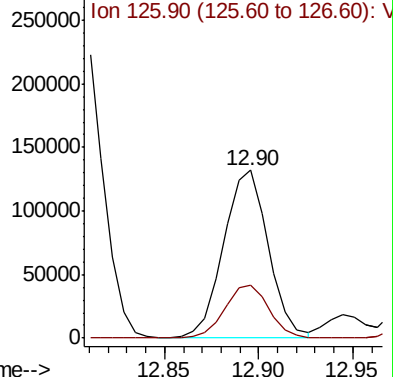
91 100

126 31.3 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.719 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010330.D

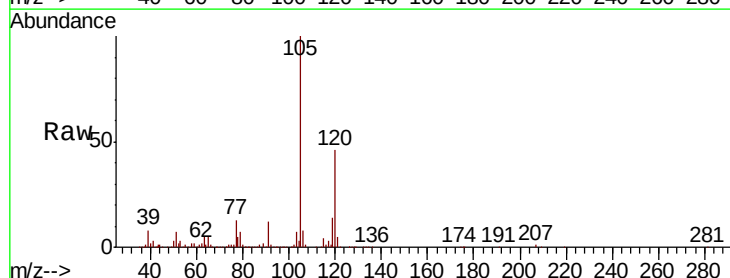
Acq: 09 May 2019 11:09

Tgt Ion: 105 Resp: 239991

Ion Ratio Lower Upper

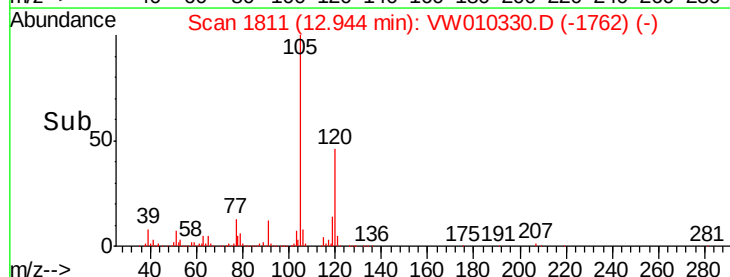
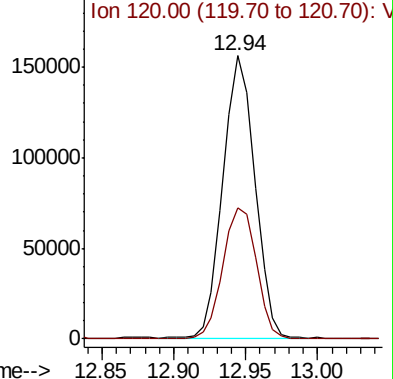
105 100

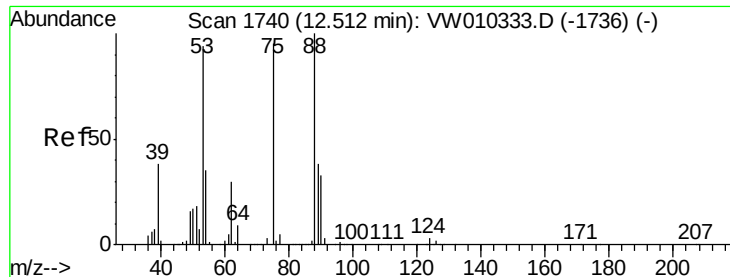
120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

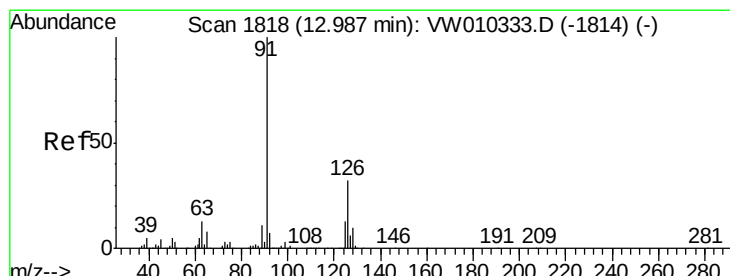
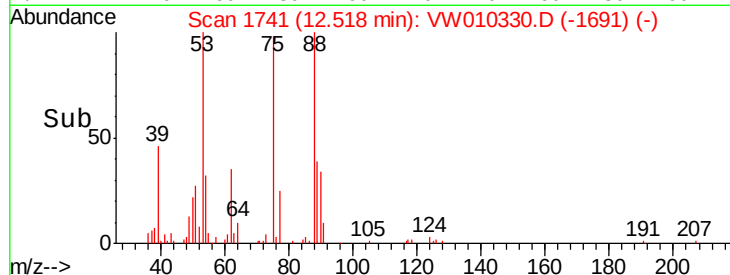
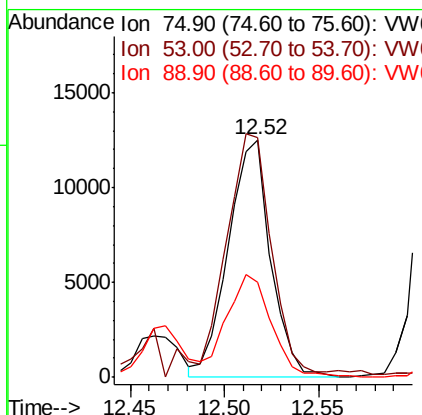
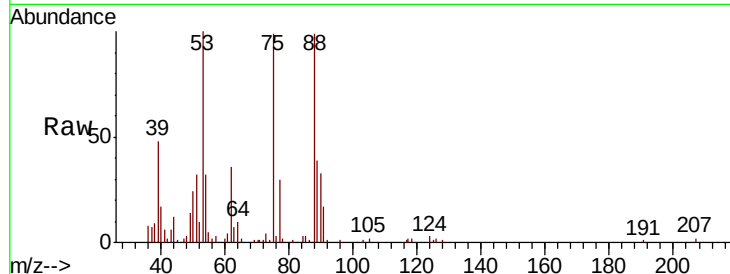




#81
 trans-1,4-Dichloro-2-butene
 Concen: 5.350 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. 0.01 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

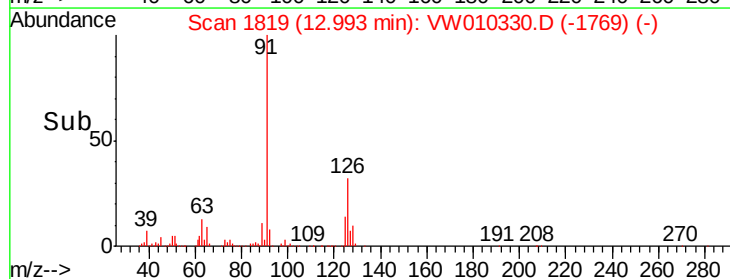
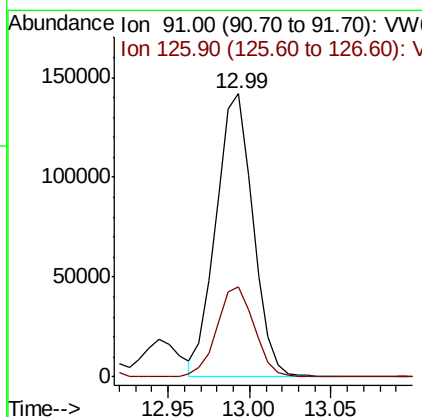
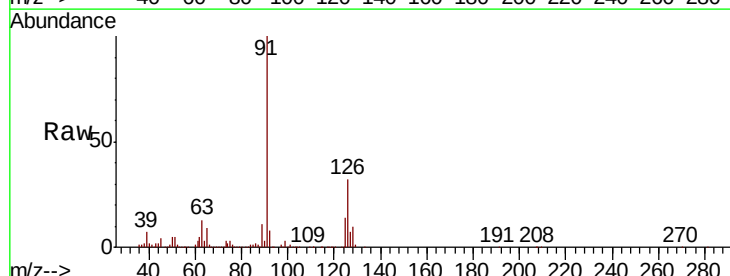
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

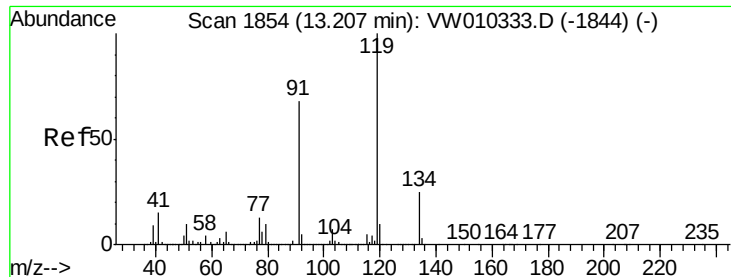
Tgt Ion: 75 Resp: 19574
 Ion Ratio Lower Upper
 75 100
 53 103.8 89.8 134.8
 89 45.9 36.6 54.8



#82
 4-Chlorotoluene
 Concen: 4.981 ug/l
 RT: 12.99 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 91 Resp: 224149
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.1

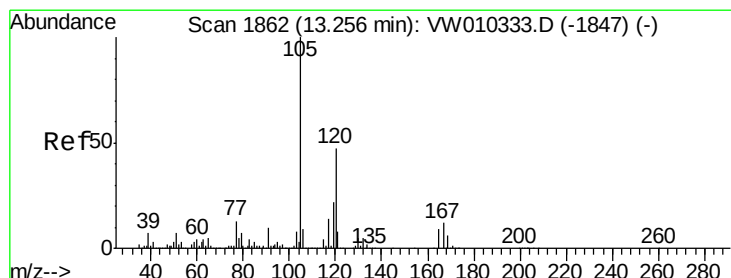
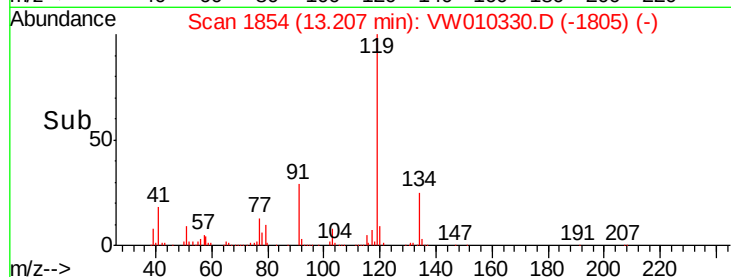
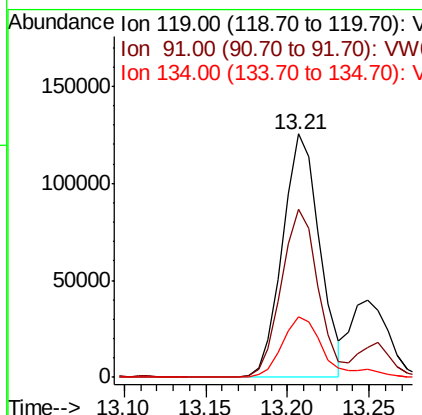
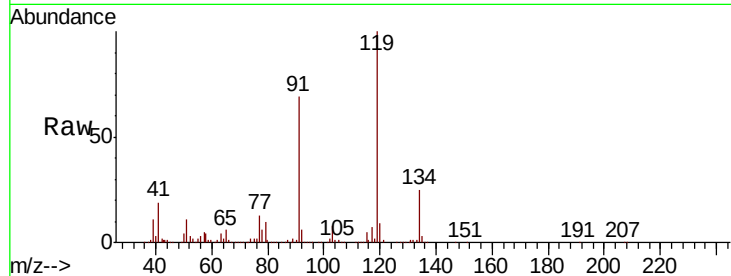




#83
 tert-Butylbenzene
 Concen: 4.709 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

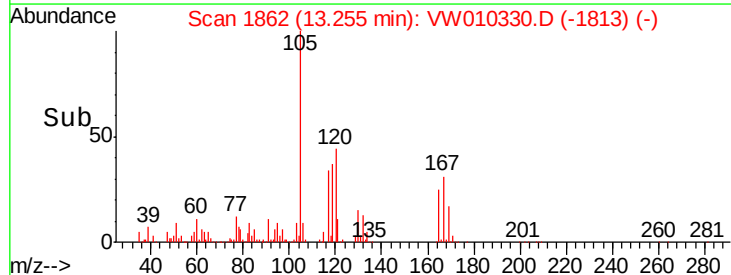
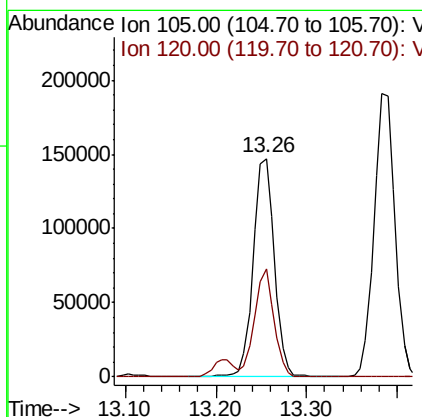
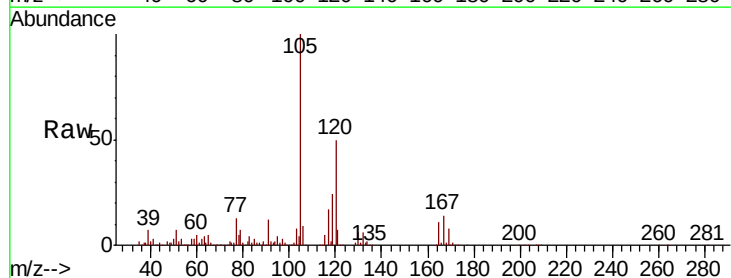
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

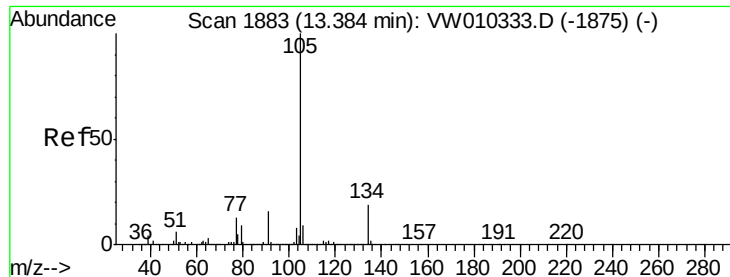
Tgt Ion:119 Resp: 198330
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.8 104.4
 134 25.7 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.616 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion:105 Resp: 238020
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.7

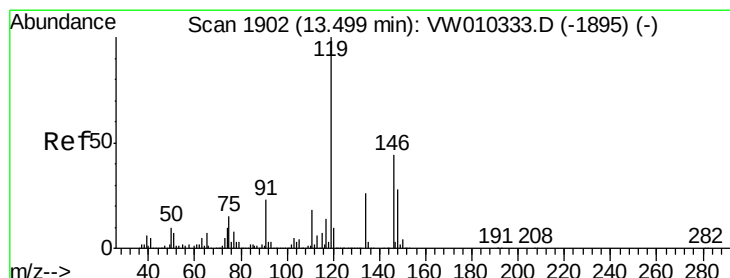
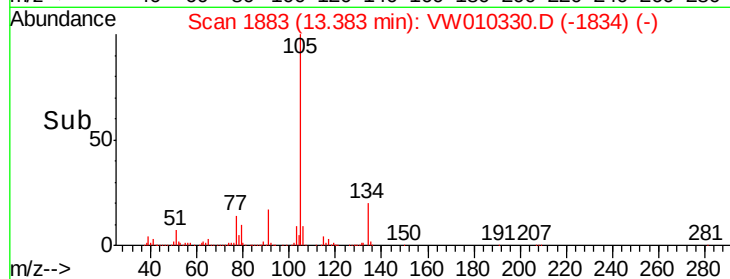
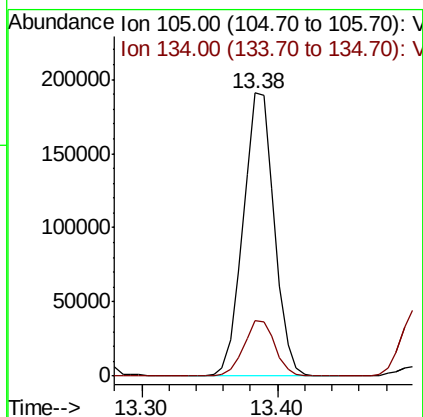
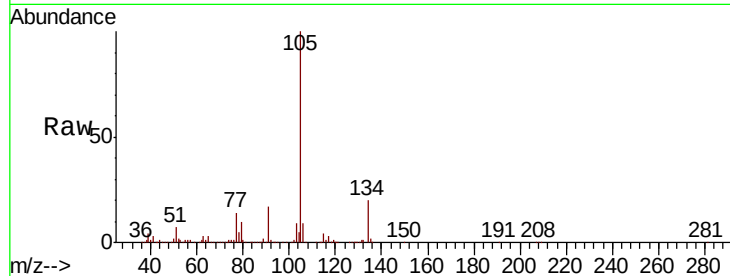




#85
 sec-Butylbenzene
 Concen: 4.829 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

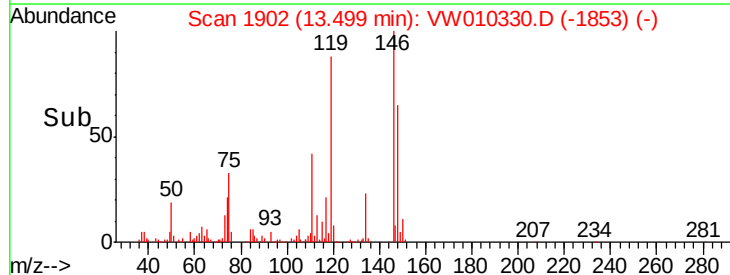
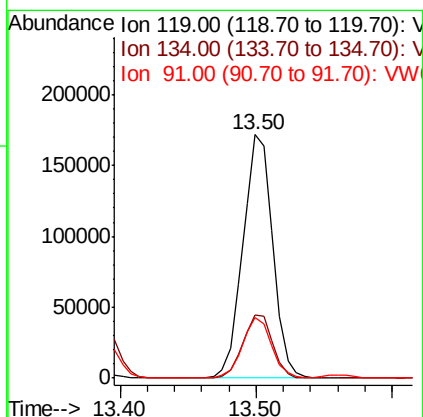
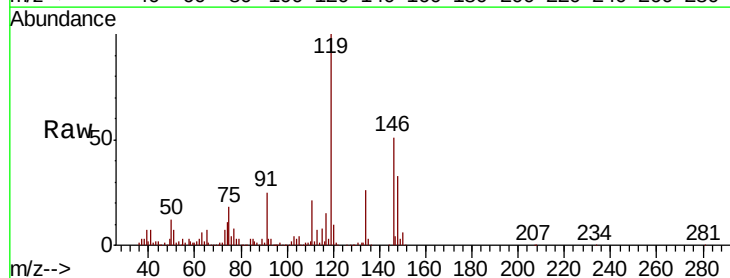
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

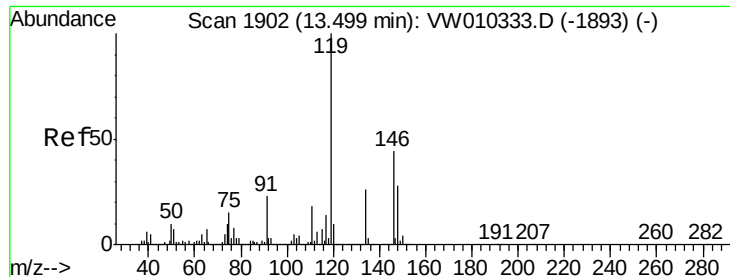
Tgt Ion:105 Resp: 303965
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 4.726 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion:119 Resp: 262172
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 24.3 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 5.174 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

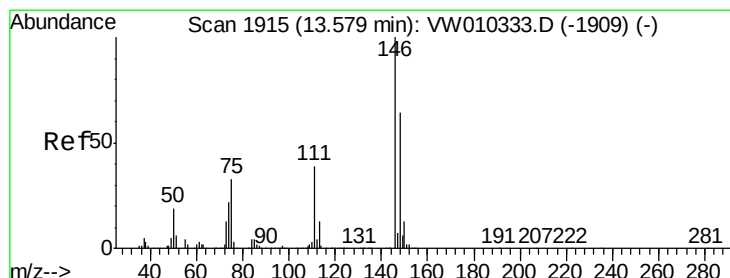
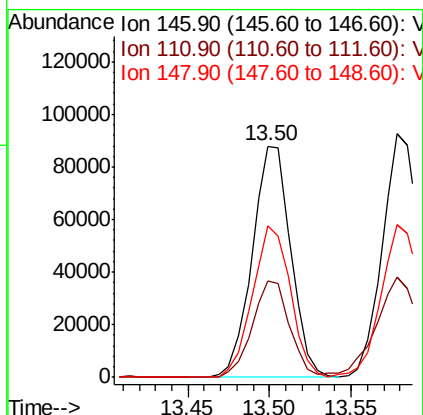
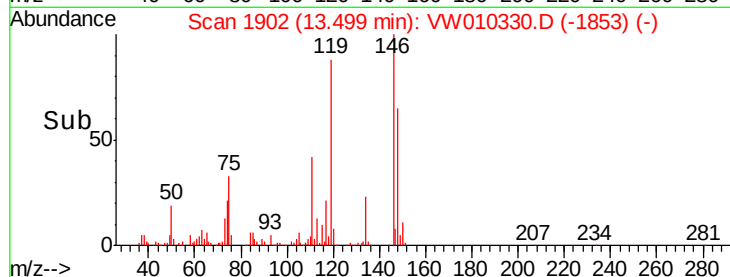
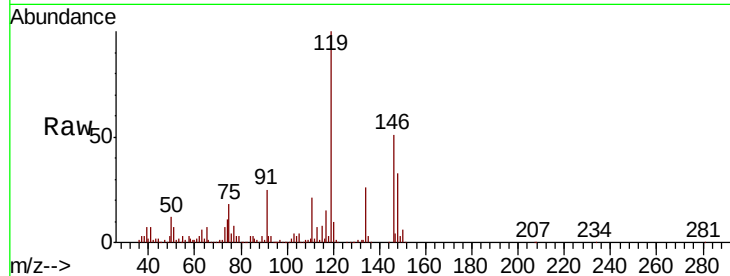
Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 144287

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	64.6	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 5.326 ug/l

RT: 13.58 min Scan# 1915

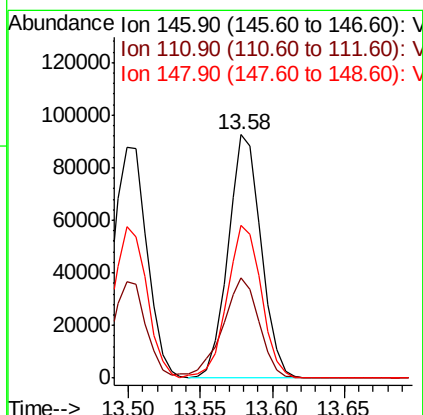
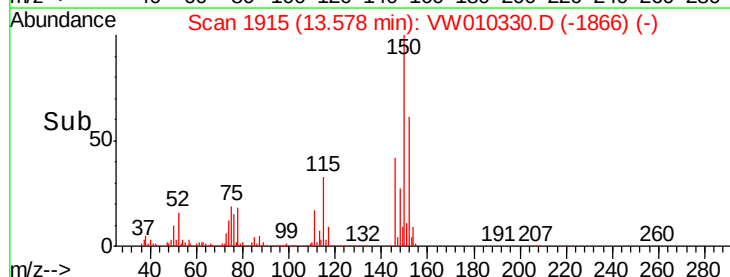
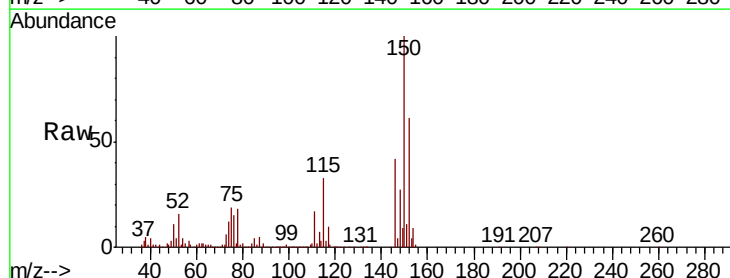
Delta R.T. -0.00 min

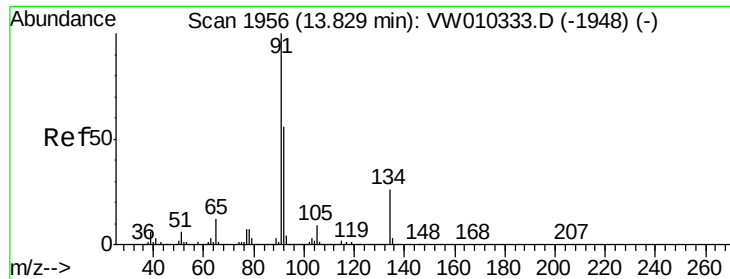
Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion:146 Resp: 148268

Ion	Ratio	Lower	Upper
146	100		
111	45.5	20.1	60.3
148	65.2	31.8	95.3





#89

n-Butylbenzene

Concen: 4.865 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

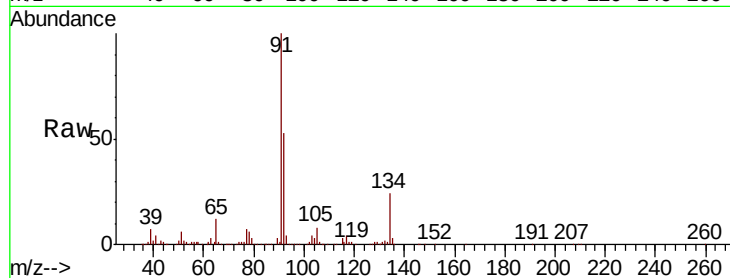
Tgt Ion: 91 Resp: 267406

Ion Ratio Lower Upper

91 100

92 53.7 26.5 79.4

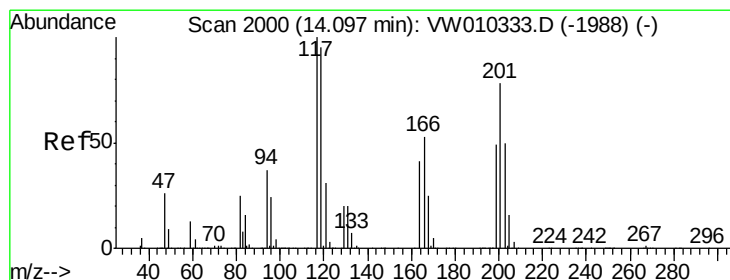
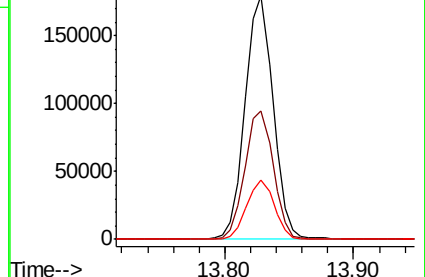
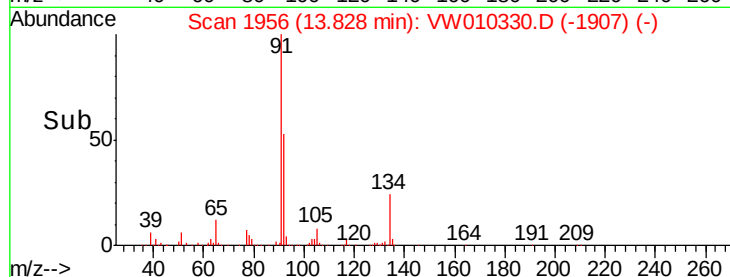
134 24.4 12.4 37.0



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: 5.108 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010330.D

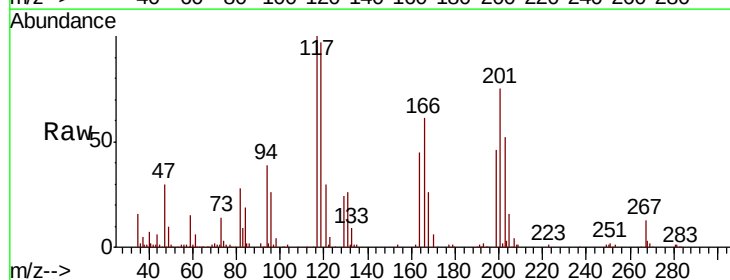
Acq: 09 May 2019 11:09

Tgt Ion: 117 Resp: 54272

Ion Ratio Lower Upper

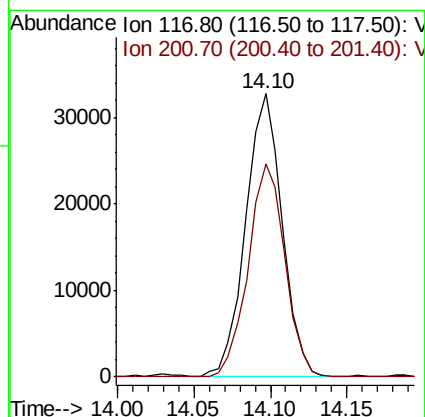
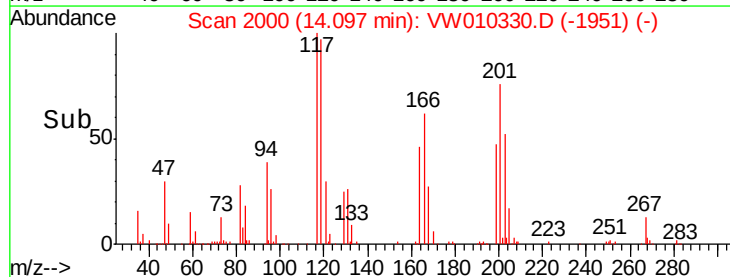
117 100

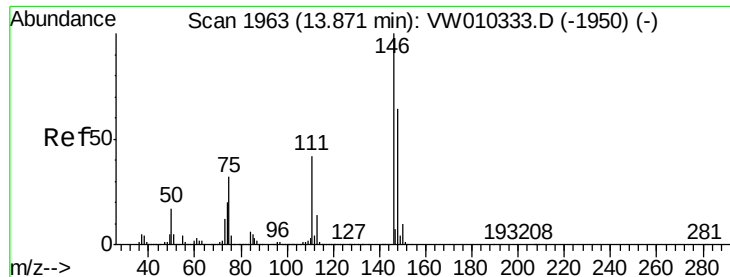
201 75.5 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

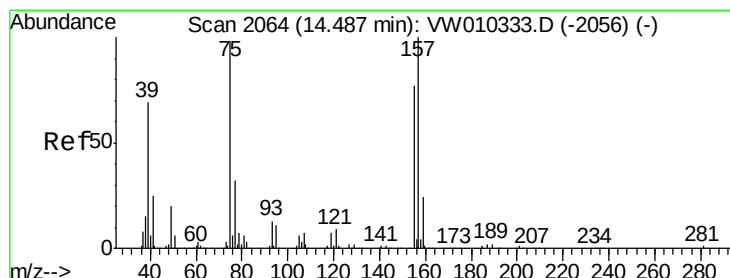
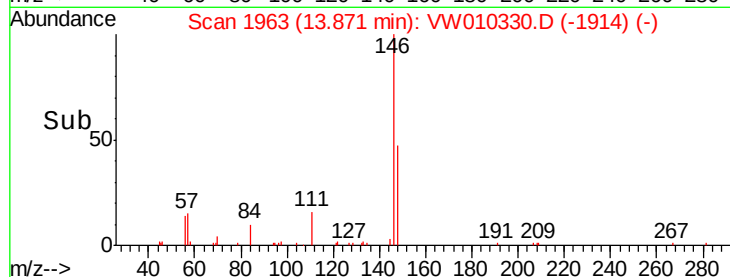
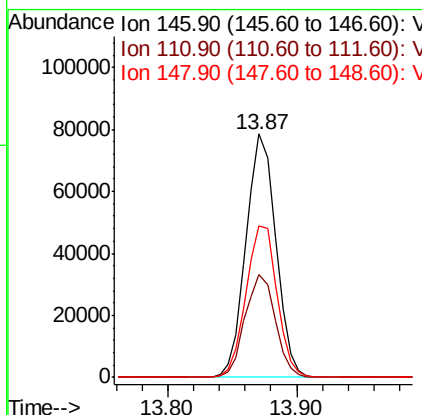
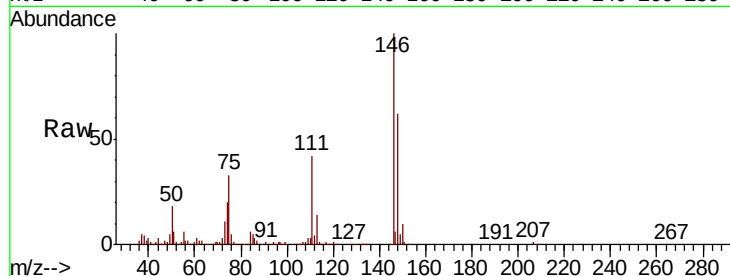




#91
 1,2-Dichlorobenzene
 Concen: 5.036 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

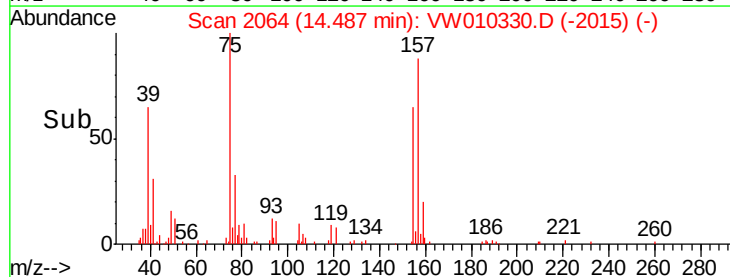
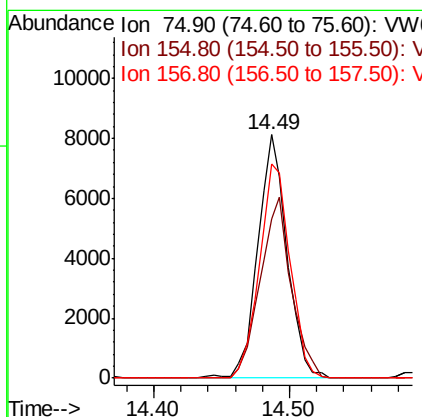
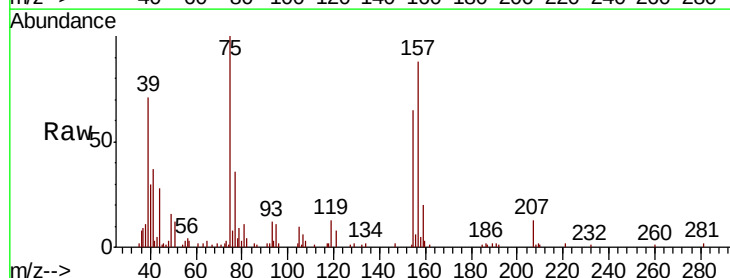
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

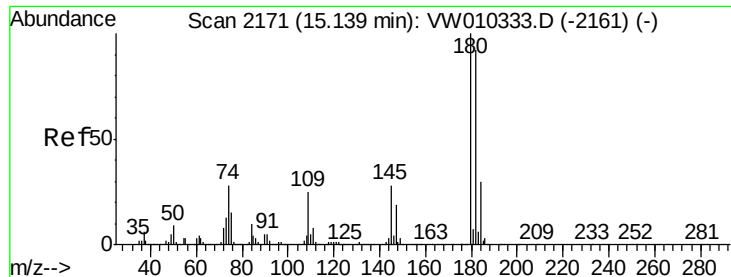
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	64.8	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.775 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.1	111.5
157	92.7	47.3	141.9

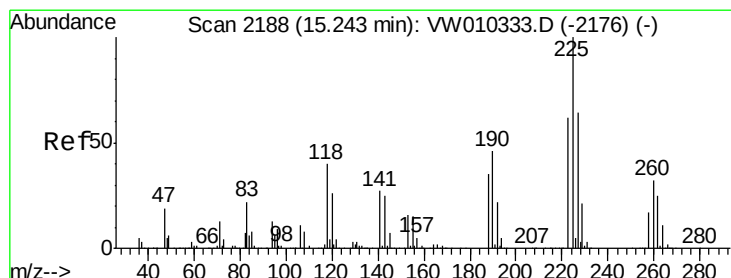
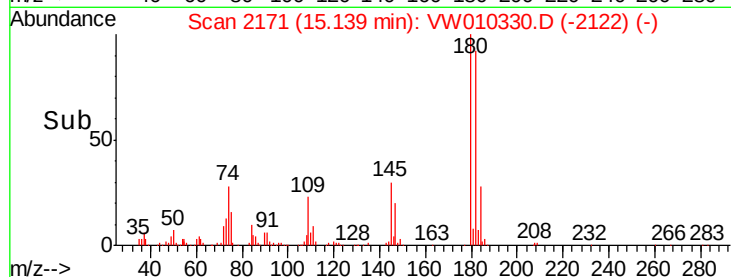
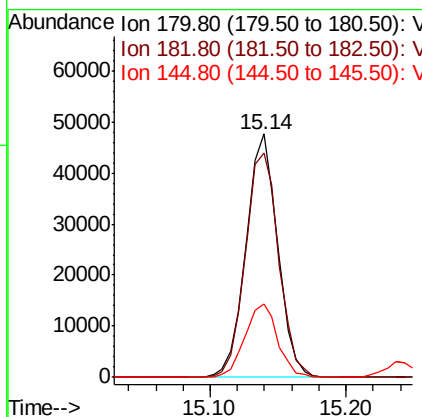
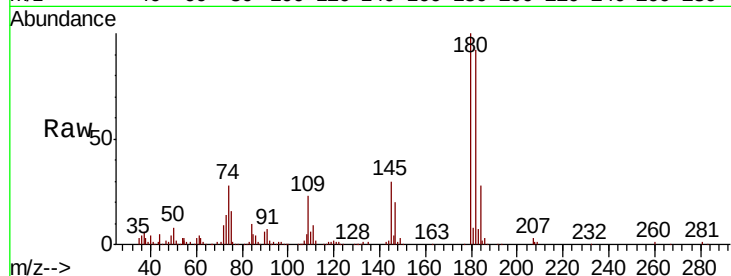




#93
 1,2,4-Trichlorobenzene
 Concen: 4.711 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

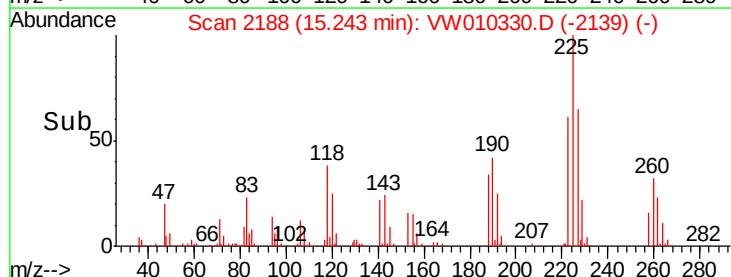
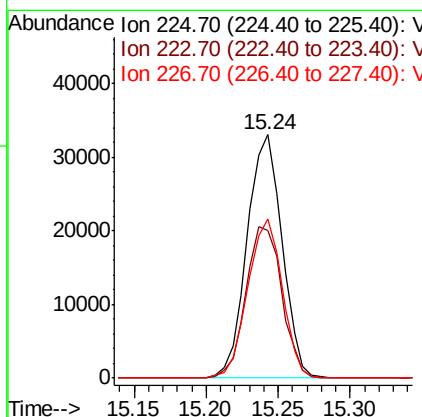
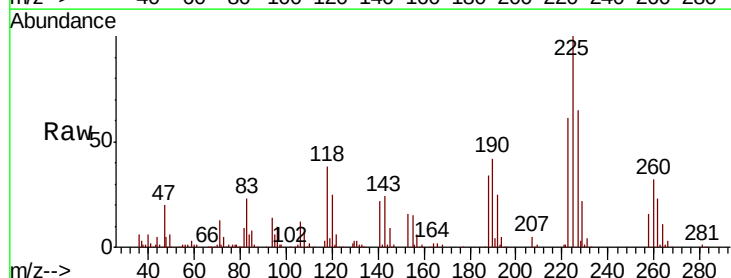
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

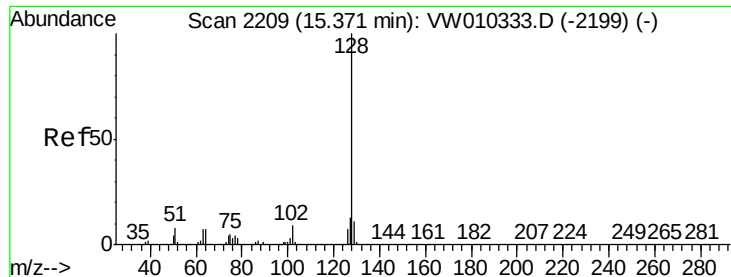
Tgt Ion:180 Resp: 77723
 Ion Ratio Lower Upper
 180 100
 182 97.3 47.1 141.4
 145 31.2 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 5.542 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion:225 Resp: 55514
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.5
 227 64.4 31.8 95.3

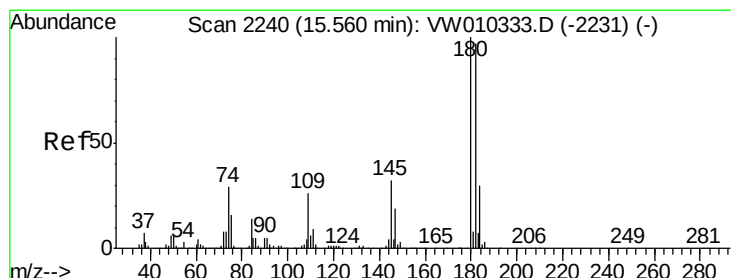
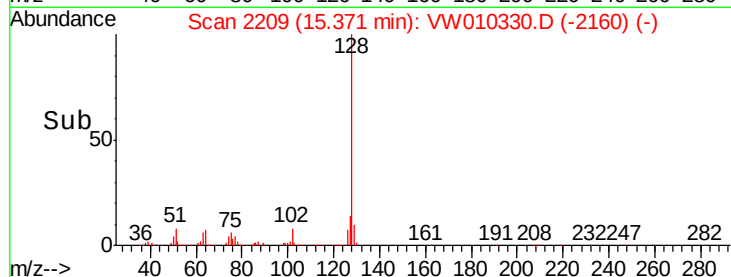
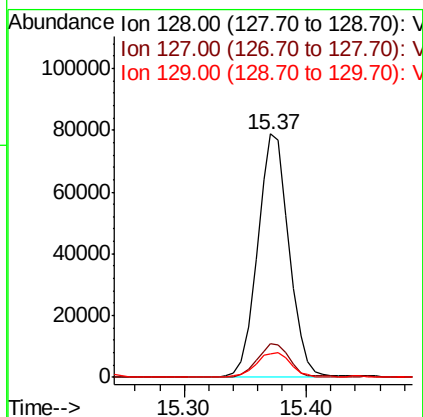
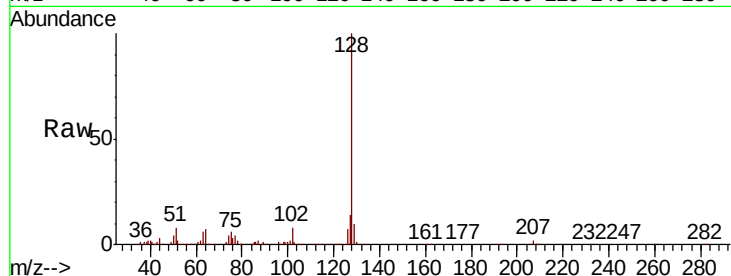




#95
Naphthalene
Concen: 4.748 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 140636
Ion Ratio Lower Upper
128 100
127 14.3 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.918 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion:180 Resp: 70381
Ion Ratio Lower Upper
180 100
182 100.0 47.8 143.3
145 31.9 16.4 49.2

