

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010418.D
 Acq On : 17 May 2019 17:31
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: May 17 23:24:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	732090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1315363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1163173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	541621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	89539	11.89	ug/l	0.00
Spiked Amount			Recovery	=	23.78%	
35) Dibromofluoromethane	7.88	113	87027	11.11	ug/l	0.00
Spiked Amount			Recovery	=	22.22%	
50) Toluene-d8	10.32	98	330299	11.14	ug/l	0.00
Spiked Amount			Recovery	=	22.28%	
62) 4-Bromofluorobenzene	12.62	95	128607	11.02	ug/l	0.00
Spiked Amount			Recovery	=	22.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	63945	13.864	ug/l	95
3) Chloromethane	2.21	50	95312	15.051	ug/l	94
4) Vinyl Chloride	2.35	62	99552	12.502	ug/l	95
5) Bromomethane	2.75	94	59540	11.714	ug/l	95
6) Chloroethane	2.90	64	60866	12.793	ug/l	90
7) Trichlorofluoromethane	3.25	101	137724	25.043	ug/l	98
8) Diethyl Ether	3.68	74	48591	12.653	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	85365	12.542	ug/l	98
10) Methyl Iodide	4.27	142	92552	8.814	ug/l	99
11) Tert butyl alcohol	5.18	59	44318	71.662	ug/l	98
12) 1,1-Dichloroethene	4.03	96	84024	11.819	ug/l	98
13) Acrolein	3.89	56	35718	91.252	ug/l	98
14) Allyl chloride	4.67	41	131133	14.225	ug/l	99
15) Acrylonitrile	5.37	53	109150	64.466	ug/l	99
16) Acetone	4.12	43	81725	60.537	ug/l	94
17) Carbon Disulfide	4.37	76	240921	12.459	ug/l	99
18) Methyl Acetate	4.68	43	54617	12.667	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	238628	20.520	ug/l	100
20) Methylene Chloride	4.91	84	98308	12.460	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	98454	12.427	ug/l	96
22) Diisopropyl ether	6.31	45	271627	12.359	ug/l	98
23) Vinyl Acetate	6.26	43	850399	56.841	ug/l	99
24) 1,1-Dichloroethane	6.21	63	157692	11.766	ug/l	99
25) 2-Butanone	7.18	43	141092	55.788	ug/l	100
26) 2,2-Dichloropropane	7.16	77	148049	19.407	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	108884	11.910	ug/l	97
28) Bromochloromethane	7.51	49	61602	11.082	ug/l	100
29) Tetrahydrofuran	7.52	42	94188	55.595	ug/l	99
30) Chloroform	7.68	83	164300	11.668	ug/l	92
31) Cyclohexane	7.95	56	168196	12.905	ug/l	# 88
32) 1,1,1-Trichloroethane	7.87	97	159106	14.013	ug/l	99
36) 1,1-Dichloropropene	8.08	75	133134	11.763	ug/l	100
37) Ethyl Acetate	7.25	43	66001	11.630	ug/l	99
38) Carbon Tetrachloride	8.07	117	142029	12.235	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	172902	11.532	ug/l	92
40) Benzene	8.32	78	378905	11.508	ug/l	98
41) Methacrylonitrile	7.49	41	39987	11.597	ug/l	95
42) 1,2-Dichloroethane	8.40	62	113543	11.827	ug/l	99
43) Isopropyl Acetate	8.43	43	128629	11.001	ug/l	99
44) Trichloroethene	9.09	130	107112	11.391	ug/l	100
45) 1,2-Dichloropropane	9.37	63	90906	11.129	ug/l	100
46) Dibromomethane	9.46	93	53949	11.343	ug/l	99
47) Bromodichloromethane	9.64	83	133299	11.429	ug/l	99
48) Methyl methacrylate	9.44	41	60692	11.294	ug/l	98
49) 1,4-Dioxane	9.45	88	16905	203.362	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	337889	55.822	ug/l	99
52) Toluene	10.39	92	250646	11.423	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	137179	11.165	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	157323	11.326	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	77042	11.202	ug/l	97
56) Ethyl methacrylate	10.65	69	108704	11.131	ug/l	99
57) 1,3-Dichloropropane	10.93	76	133098	11.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	265086	61.933	ug/l	100
59) 2-Hexanone	10.97	43	237264	55.573	ug/l	100
60) Dibromochloromethane	11.13	129	96432	11.225	ug/l	97
61) 1,2-Dibromoethane	11.24	107	80307	11.571	ug/l	99
64) Tetrachloroethene	10.86	164	85663	11.142	ug/l	95
65) Chlorobenzene	11.66	112	265999	11.525	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	99517	11.644	ug/l	98
67) Ethyl Benzene	11.73	91	474355	11.573	ug/l	100
68) m/p-Xylenes	11.84	106	370736	23.116	ug/l	98
69) o-Xylene	12.16	106	175519	11.355	ug/l	98
70) Styrene	12.18	104	298844	11.122	ug/l	99
71) Bromoform	12.35	173	53917	10.879	ug/l #	99
73) Isopropylbenzene	12.46	105	473879	11.993	ug/l	99
74) N-amyl acetate	12.27	43	122096	11.160	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	97099	12.504	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	124824	21.180	ug/l #	100
77) Bromobenzene	12.75	156	104953	11.512	ug/l	93
78) n-propylbenzene	12.80	91	556371	12.041	ug/l	100
79) 2-Chlorotoluene	12.90	91	324136	12.064	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	404211	11.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34306	12.102	ug/l	97
82) 4-Chlorotoluene	12.99	91	337558	11.974	ug/l	98
83) tert-Butylbenzene	13.21	119	338291	11.783	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	400295	11.788	ug/l	99
85) sec-Butylbenzene	13.38	105	482259	11.876	ug/l	100
86) p-Isopropyltoluene	13.50	119	438038	11.856	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	207936	11.728	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	206758	11.685	ug/l	98
89) n-Butylbenzene	13.83	91	414163	11.745	ug/l	100
90) Hexachloroethane	14.10	117	86548	11.832	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	187418	11.516	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18007	12.473	ug/l	95

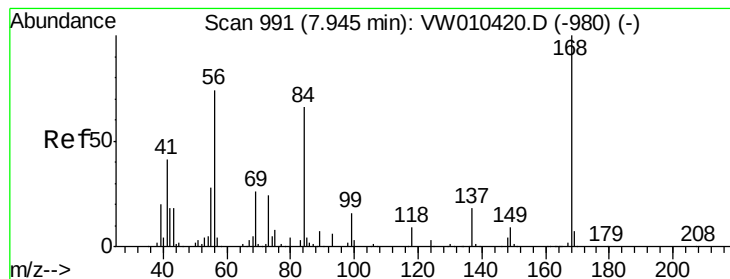
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	126726	11.327	ug/l	99
94) Hexachlorobutadiene	15.24	225	67644	11.836	ug/l	98
95) Naphthalene	15.37	128	286822	11.515	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	110620	11.134	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

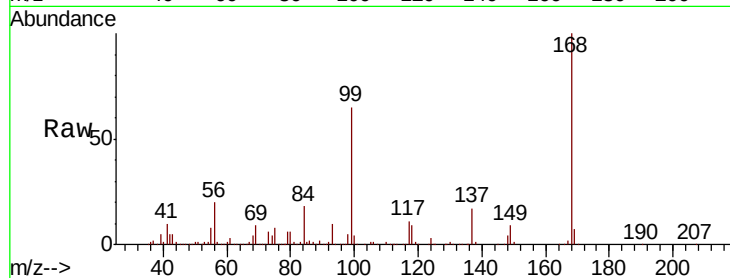
VSTDIC010

Tgt Ion:168 Resp: 732090

Ion Ratio Lower Upper

168 100

99 64.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

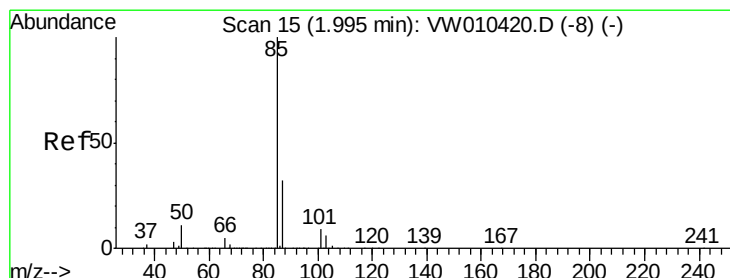
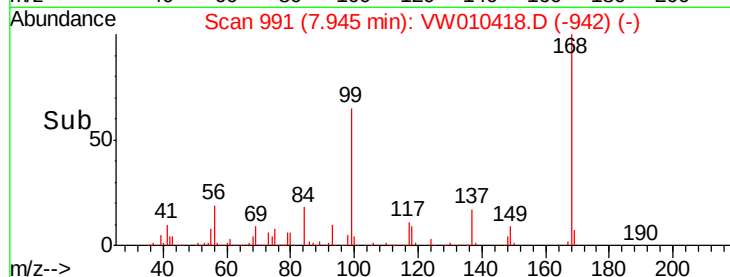
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 13.864 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010418.D

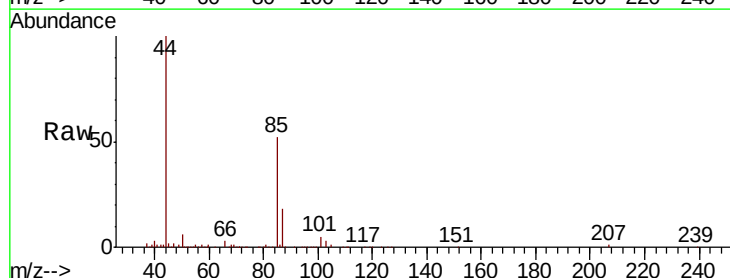
Acq: 17 May 2019 17:31

Tgt Ion: 85 Resp: 63945

Ion Ratio Lower Upper

85 100

87 34.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

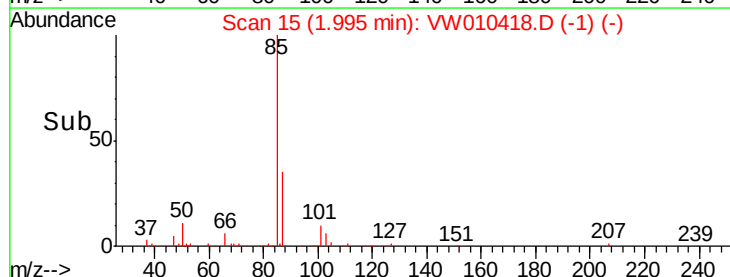
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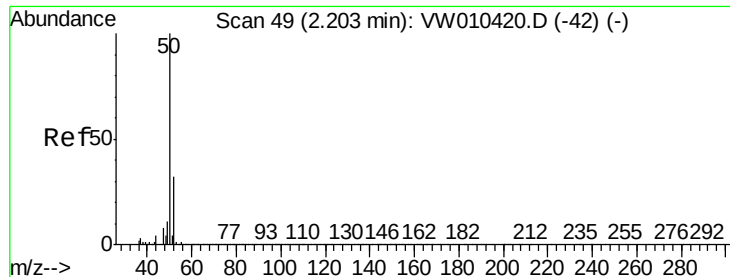
20000

10000

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Time-->





#3

Chloromethane

Concen: 15.051 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

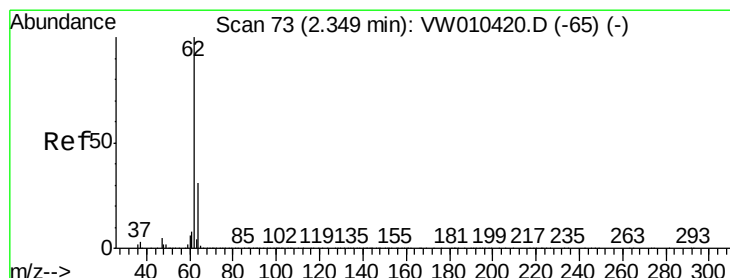
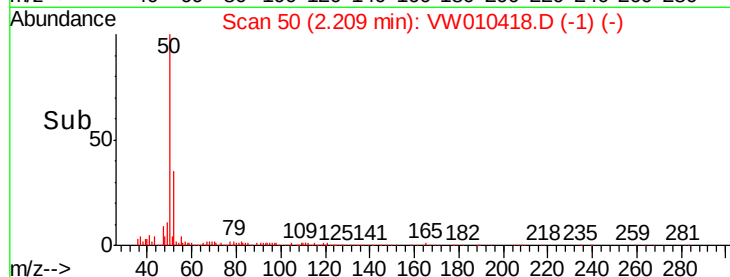
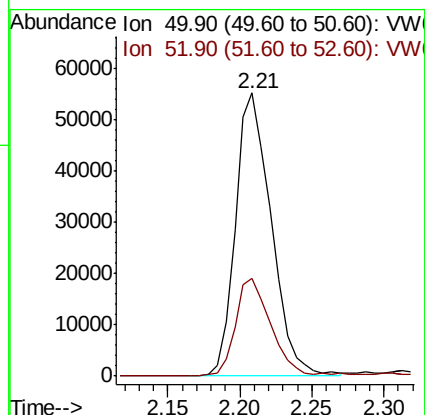
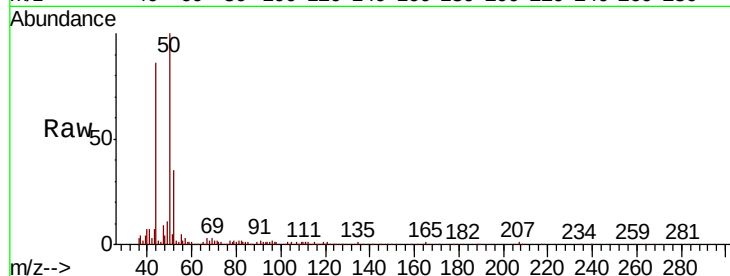
VSTDIC010

Tgt Ion: 50 Resp: 95312

Ion Ratio Lower Upper

50 100

52 34.8 25.4 38.0



#4

Vinyl Chloride

Concen: 12.502 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010418.D

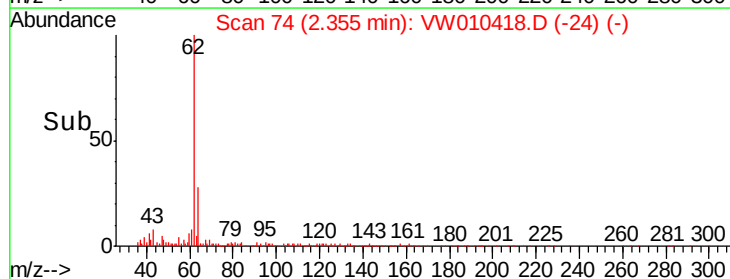
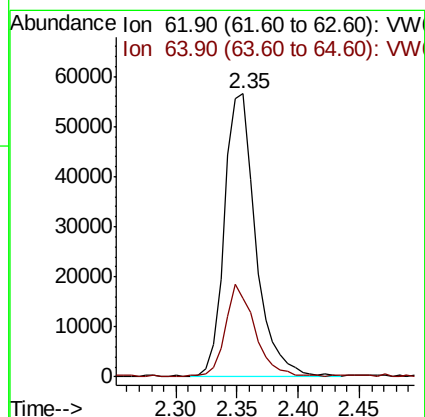
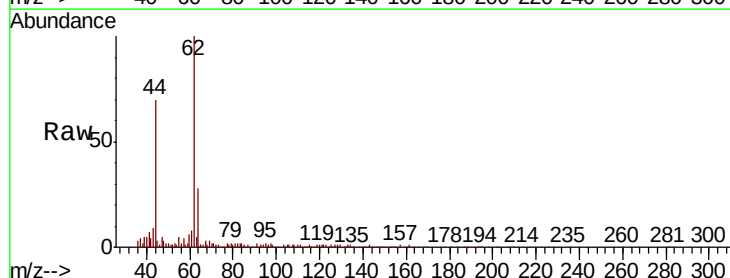
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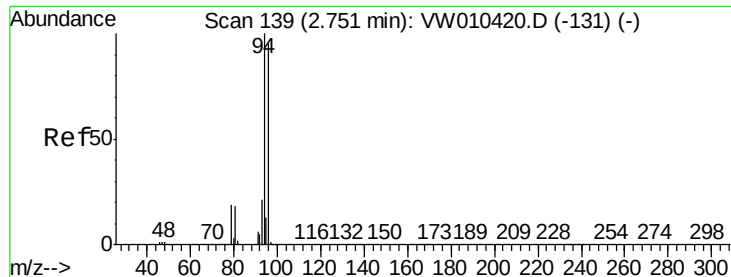
Tgt Ion: 62 Resp: 99552

Ion Ratio Lower Upper

62 100

64 27.5 24.4 36.6





#5

Bromomethane

Concen: 11.714 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

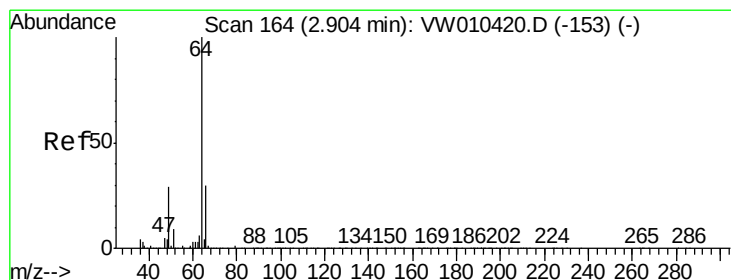
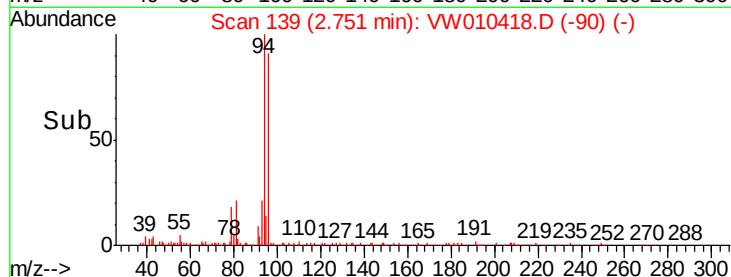
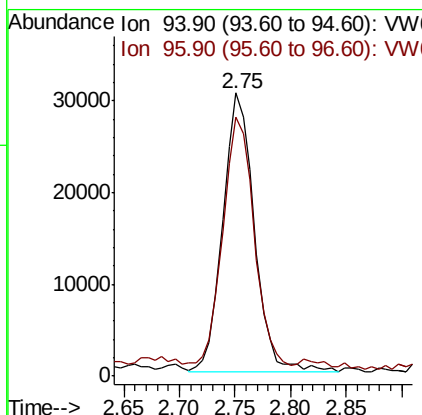
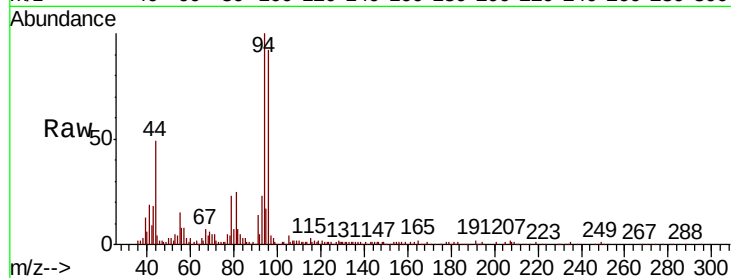
VSTDIC010

Tgt Ion: 94 Resp: 59540

Ion Ratio Lower Upper

94 100

96 89.6 75.8 113.6



#6

Chloroethane

Concen: 12.793 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.00 min

Lab File: VW010418.D

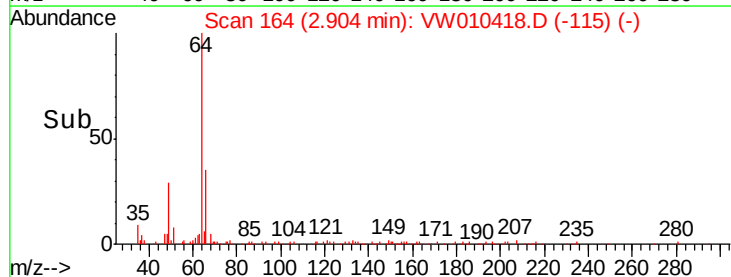
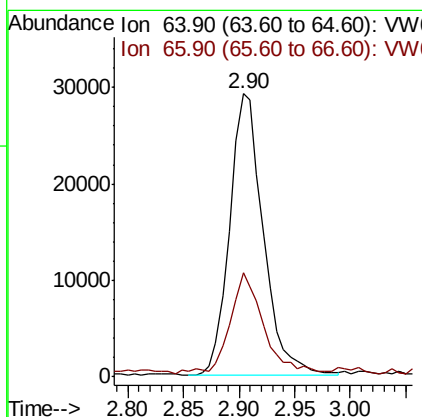
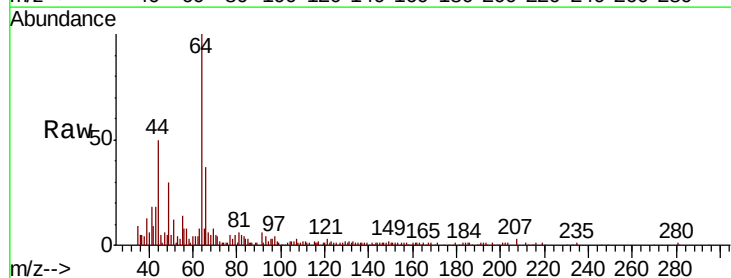
Acq: 17 May 2019 17:31

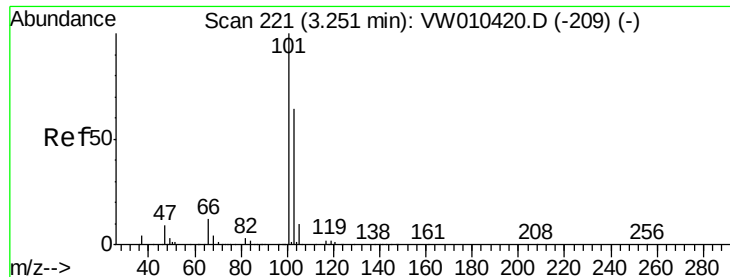
Tgt Ion: 64 Resp: 60866

Ion Ratio Lower Upper

64 100

66 35.0 23.6 35.4



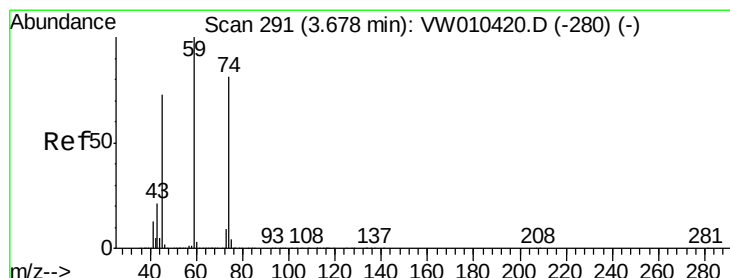
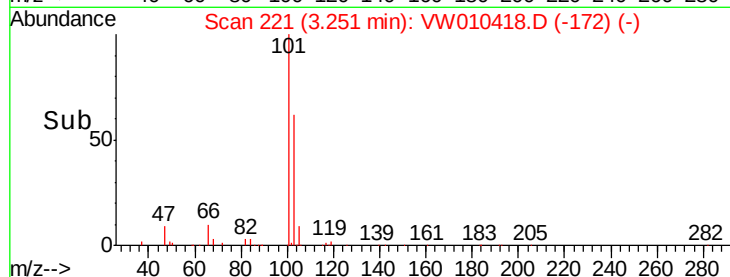
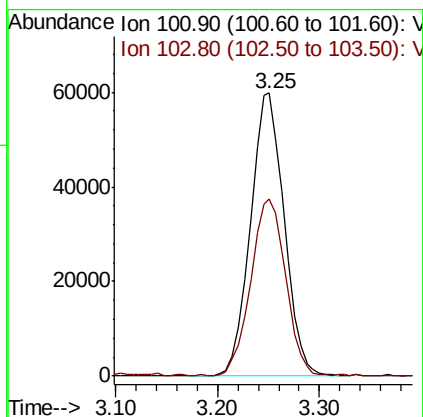
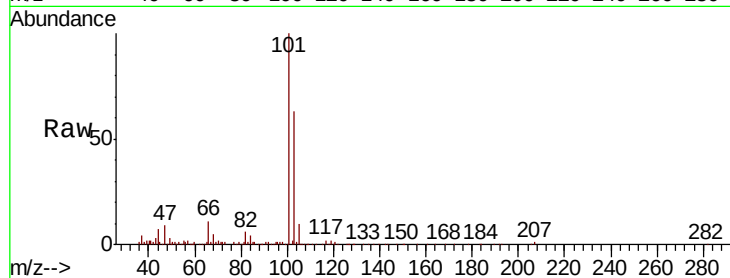


#7

Trichlorofluoromethane
 Concen: 25.043 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

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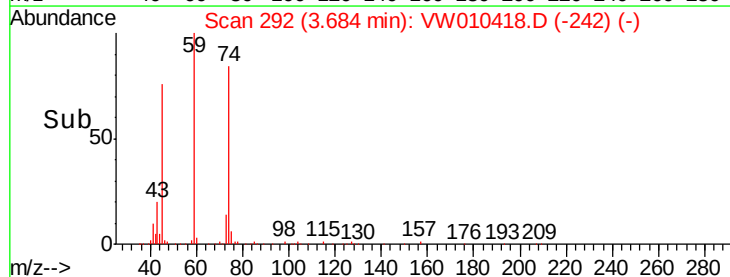
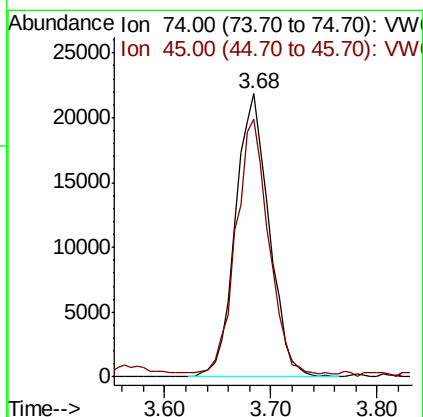
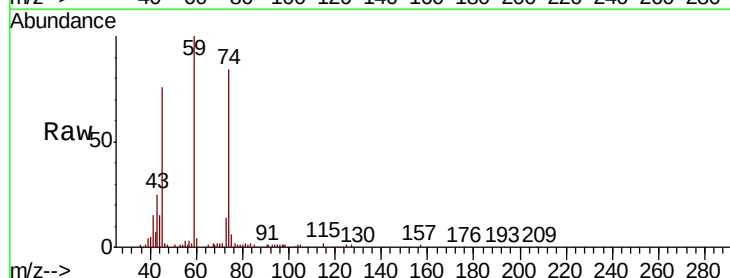
Tgt Ion:101 Resp: 137724
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.4 77.0

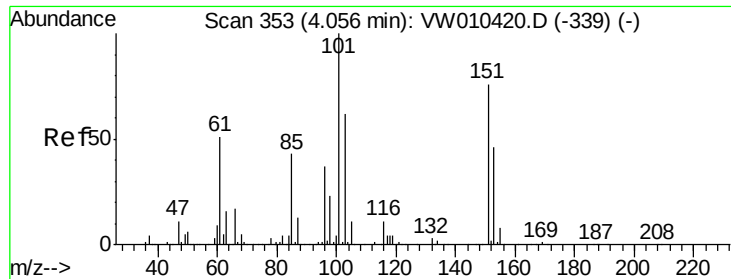


#8

Diethyl Ether
 Concen: 12.653 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion: 74 Resp: 48591
 Ion Ratio Lower Upper
 74 100
 45 89.3 43.4 130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.542 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

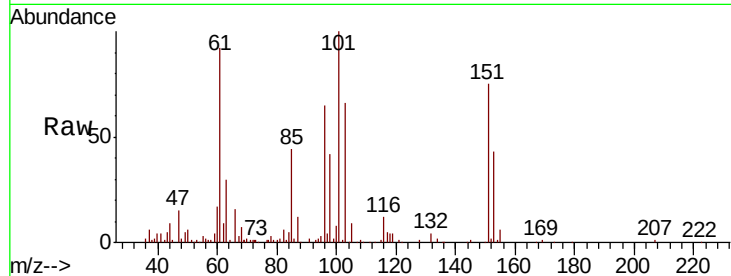
Tgt Ion:101 Resp: 85365

Ion Ratio Lower Upper

101 100

85 45.1 34.3 51.5

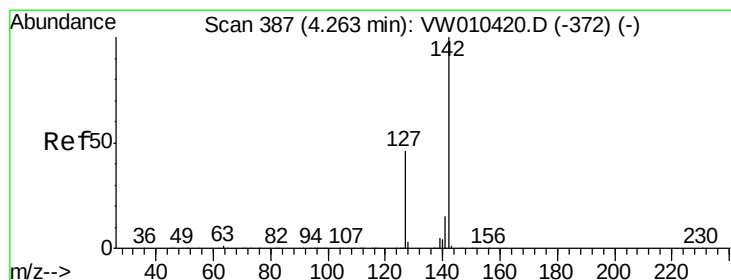
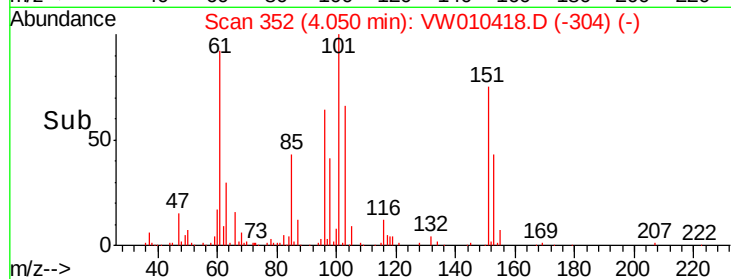
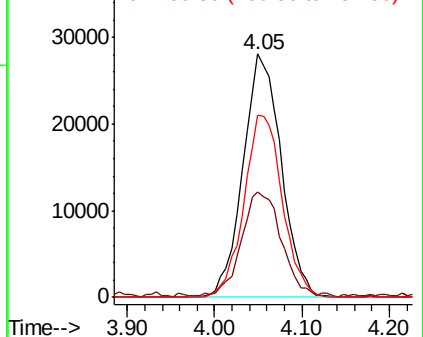
151 75.3 59.4 89.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.814 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

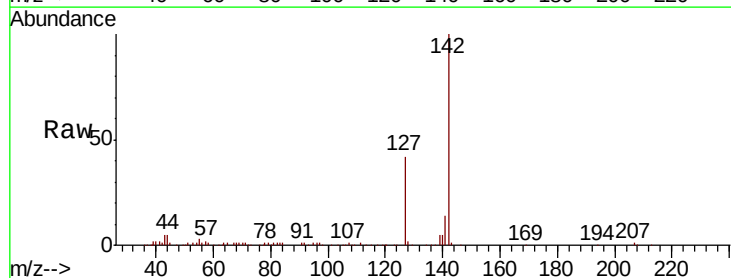
Tgt Ion:142 Resp: 92552

Ion Ratio Lower Upper

142 100

127 43.4 35.4 53.2

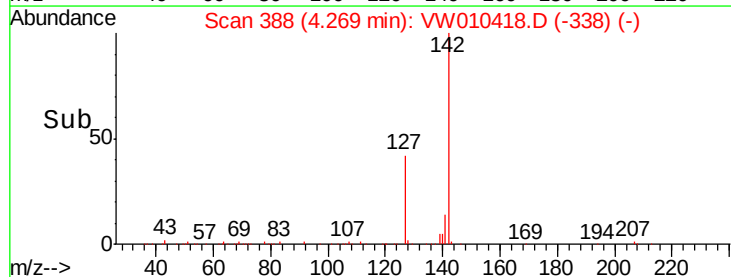
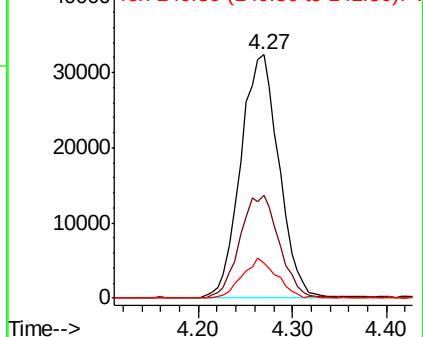
141 14.9 11.4 17.2

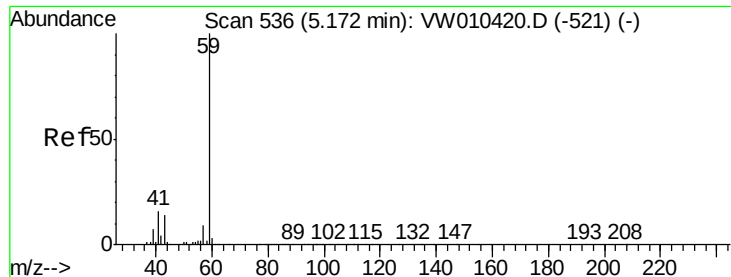


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

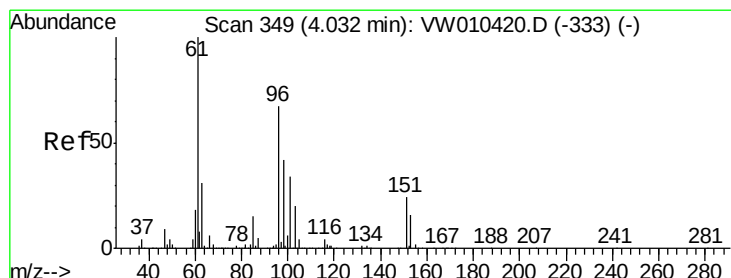
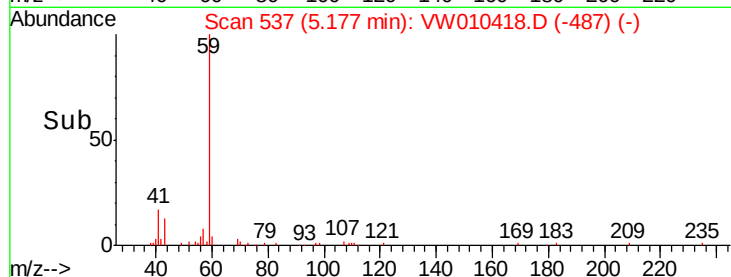
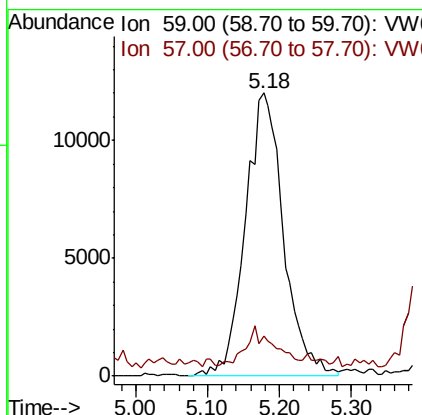
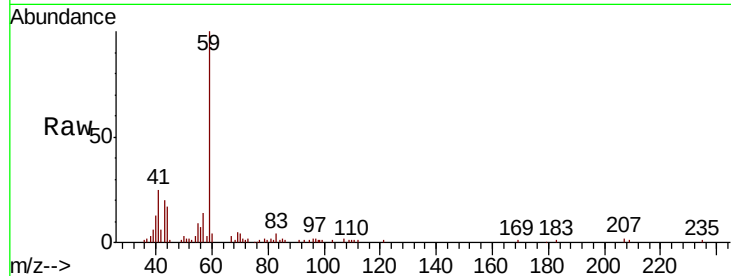




#11
Tert butyl alcohol
Concen: 71.662 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

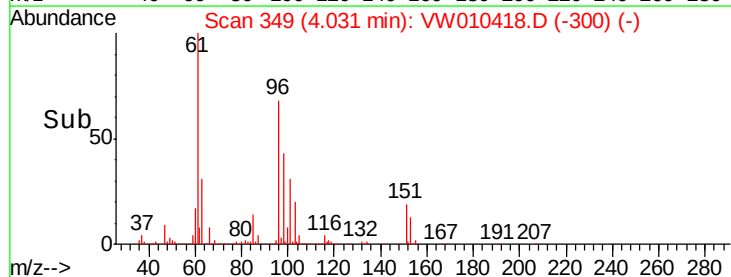
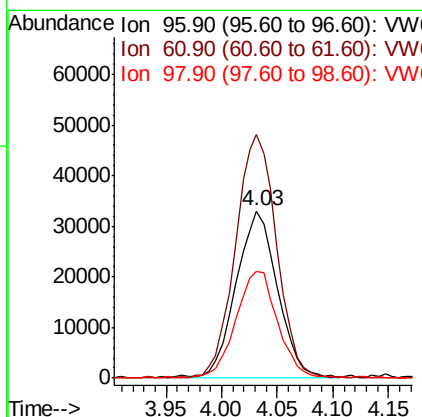
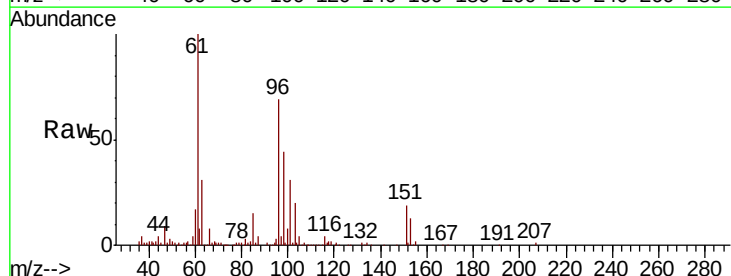
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

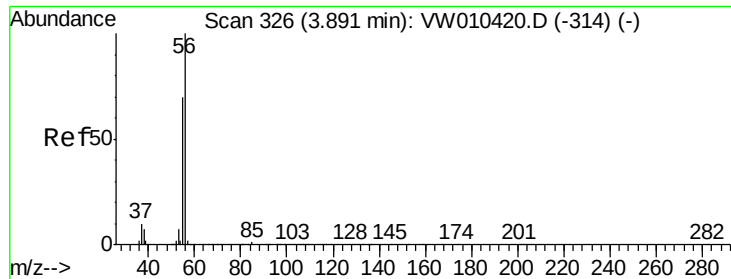
Tgt Ion: 59 Resp: 44318
Ion Ratio Lower Upper
59 100
57 9.8 8.4 12.6



#12
1,1-Dichloroethene
Concen: 11.819 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 96 Resp: 84024
Ion Ratio Lower Upper
96 100
61 146.3 120.3 180.5
98 63.8 50.7 76.1

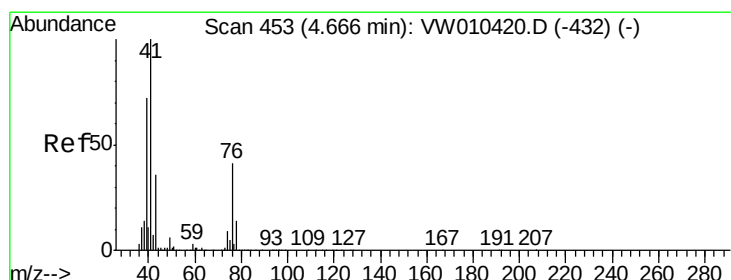
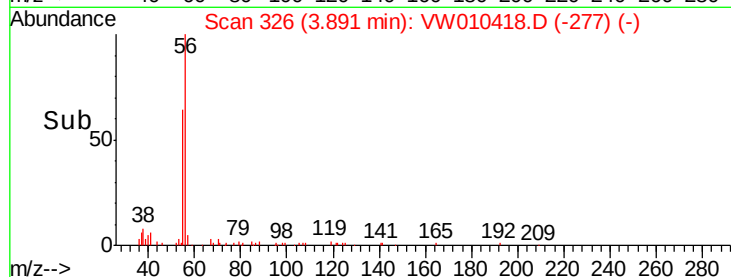
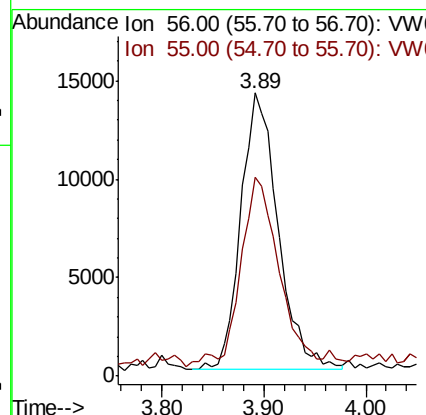
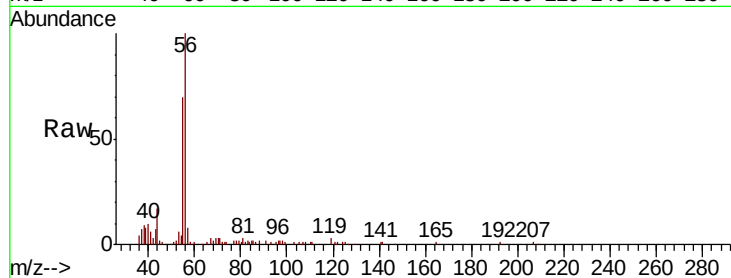




#13
Acrolein
Concen: 91.252 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

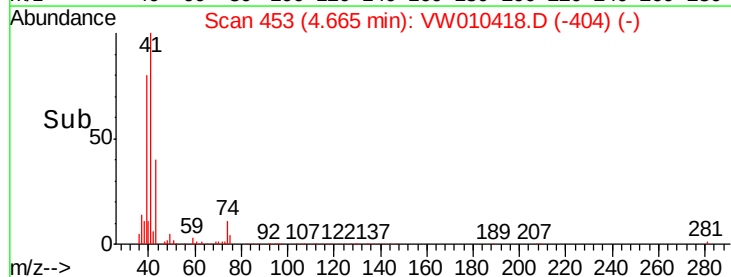
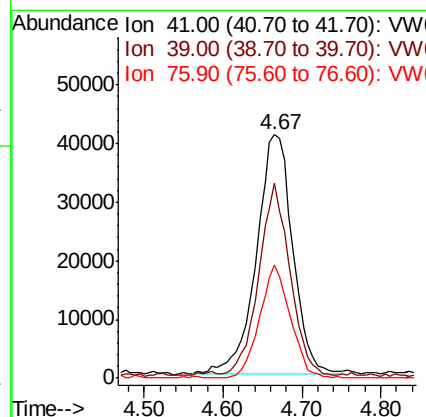
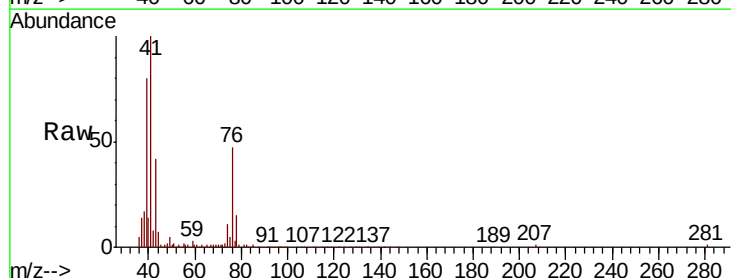
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

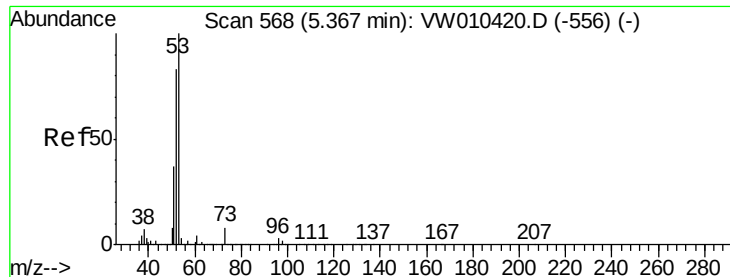
Tgt Ion: 56 Resp: 35718
Ion Ratio Lower Upper
56 100
55 70.2 57.6 86.4



#14
Allyl chloride
Concen: 14.225 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 41 Resp: 131133
Ion Ratio Lower Upper
41 100
39 67.7 54.9 82.3
76 40.0 31.8 47.6





#15

Acrylonitrile

Concen: 64.466 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

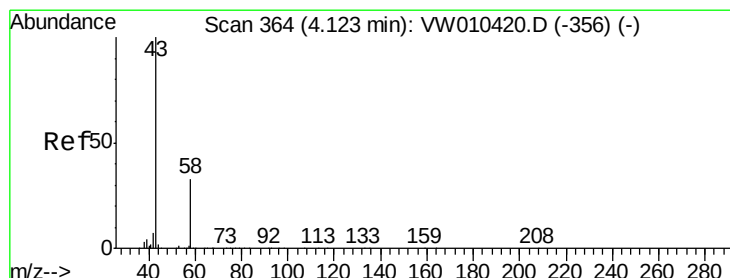
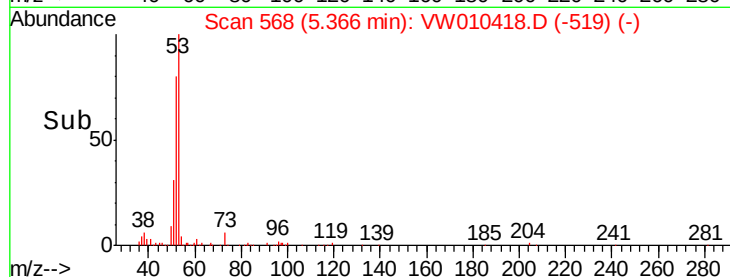
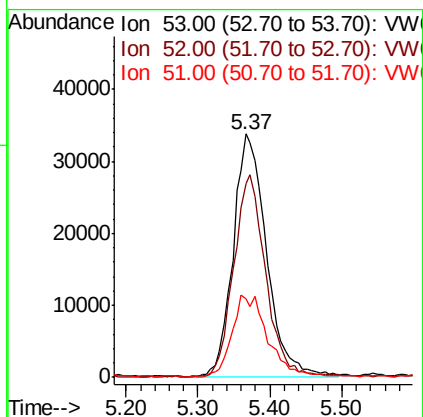
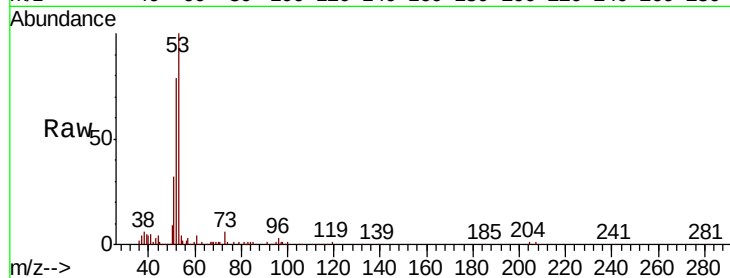
Tgt Ion: 53 Resp: 109150

Ion Ratio Lower Upper

53 100

52 79.5 63.9 95.9

51 36.0 29.5 44.3



#16

Acetone

Concen: 60.537 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010418.D

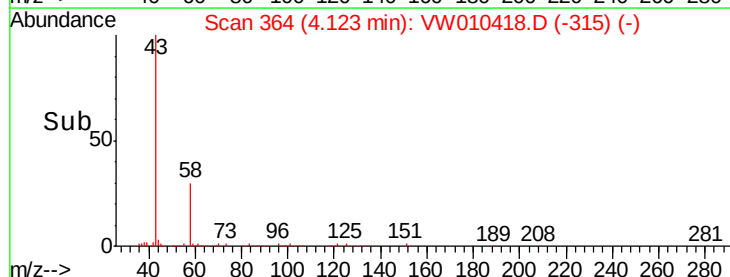
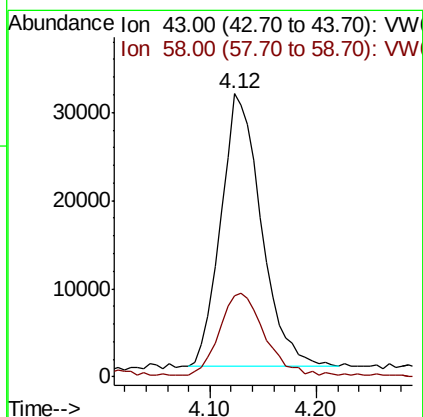
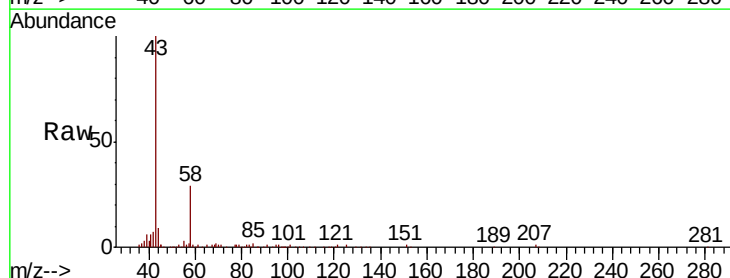
Acq: 17 May 2019 17:31

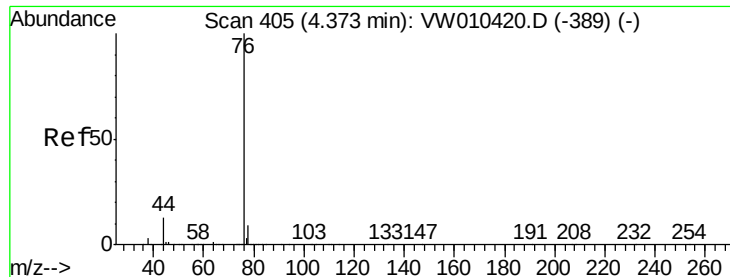
Tgt Ion: 43 Resp: 81725

Ion Ratio Lower Upper

43 100

58 29.3 26.0 39.0





#17

Carbon Disulfide

Concen: 12.459 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

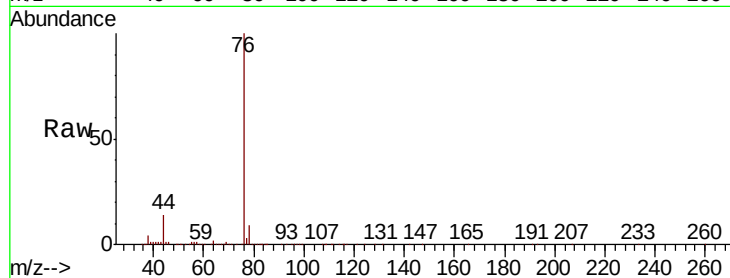
VSTDIC010

Tgt Ion: 76 Resp: 240921

Ion Ratio Lower Upper

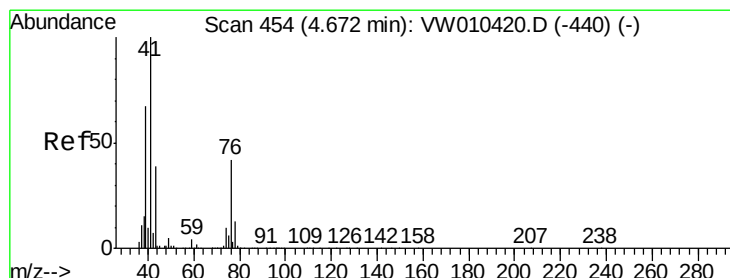
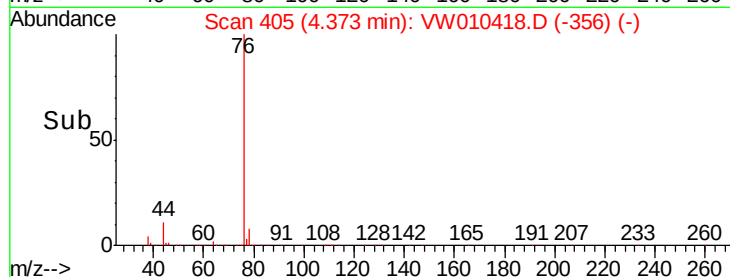
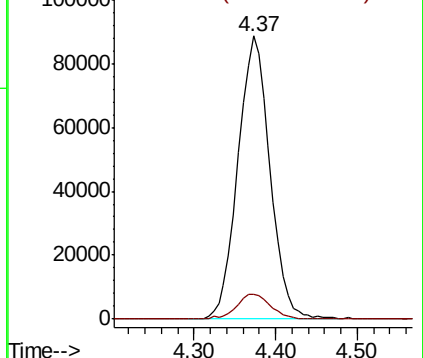
76 100

78 8.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 12.667 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010418.D

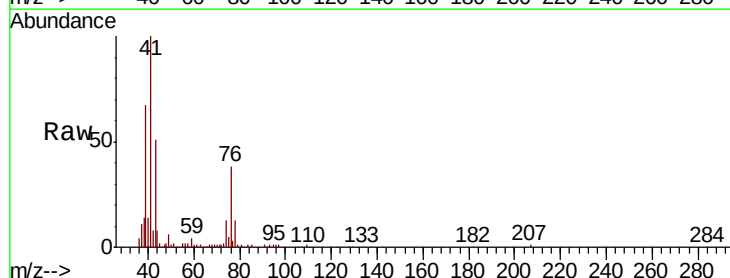
Acq: 17 May 2019 17:31

Tgt Ion: 43 Resp: 54617

Ion Ratio Lower Upper

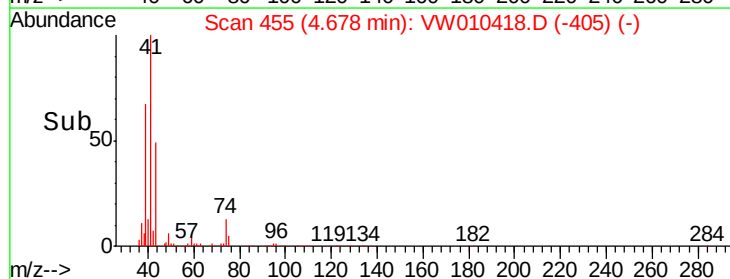
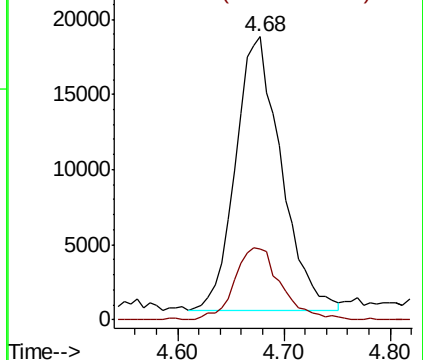
43 100

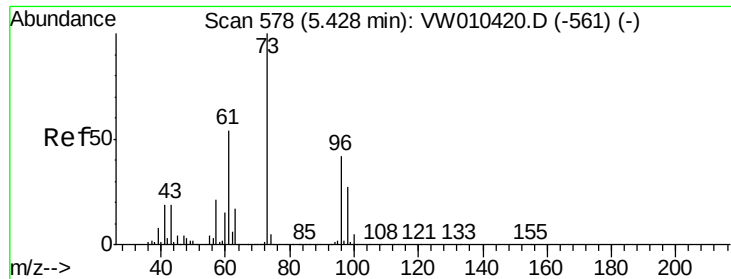
74 26.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

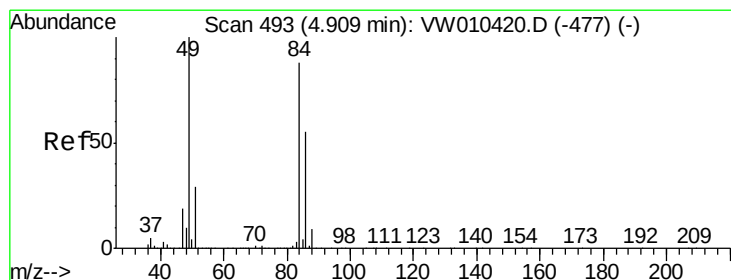
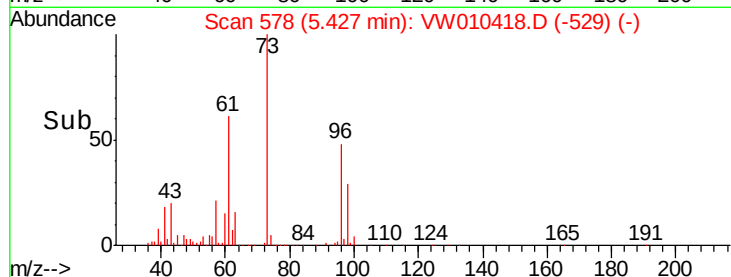
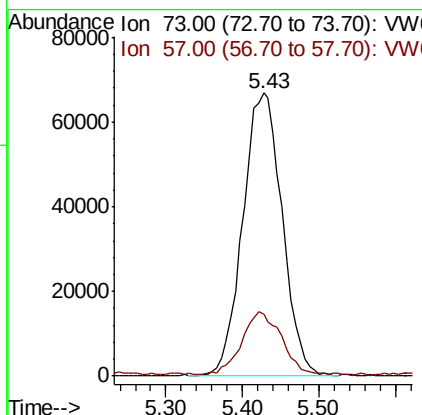
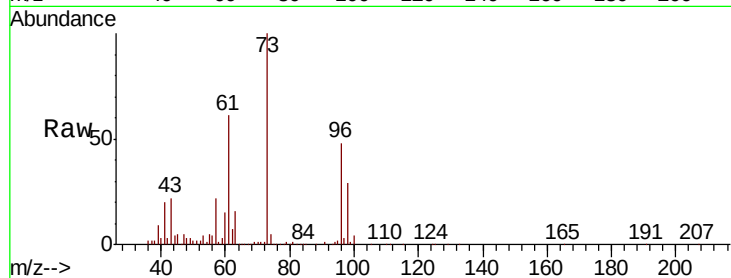




#19
Methyl tert-butyl Ether
Concen: 20.520 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

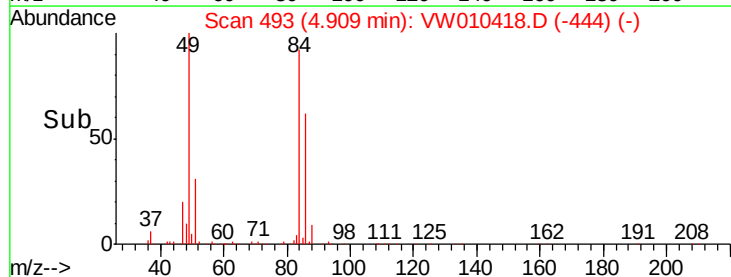
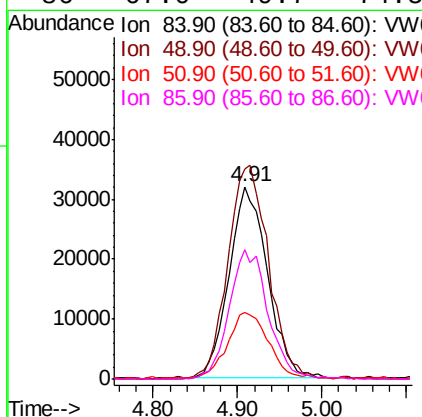
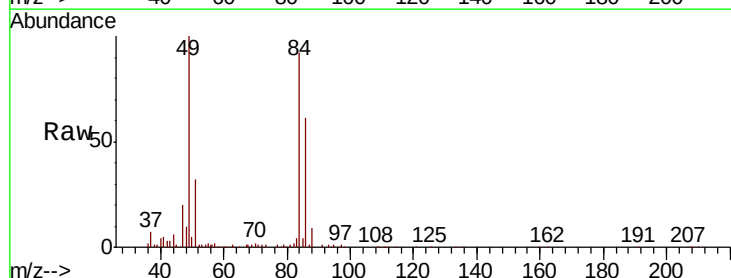
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

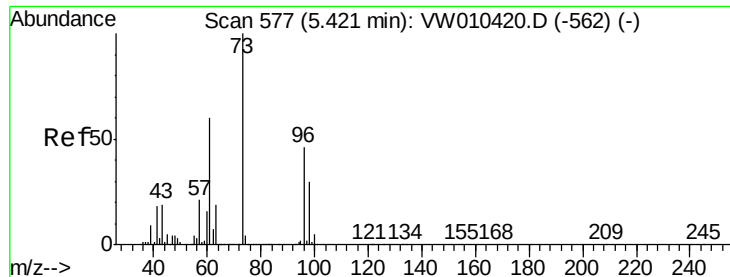
Tgt Ion: 73 Resp: 238628
Ion Ratio Lower Upper
73 100
57 21.0 17.0 25.4



#20
Methylene Chloride
Concen: 12.460 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 84 Resp: 98308
Ion Ratio Lower Upper
84 100
49 109.2 90.6 135.8
51 34.3 26.6 40.0
86 67.0 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 12.427 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

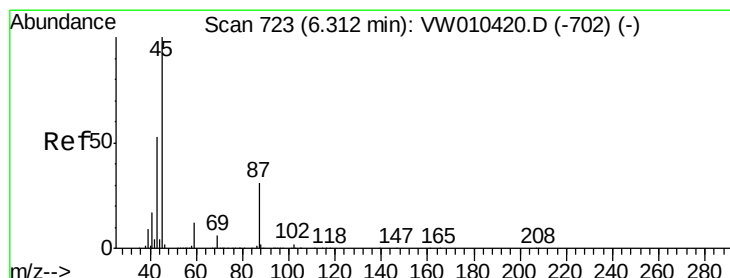
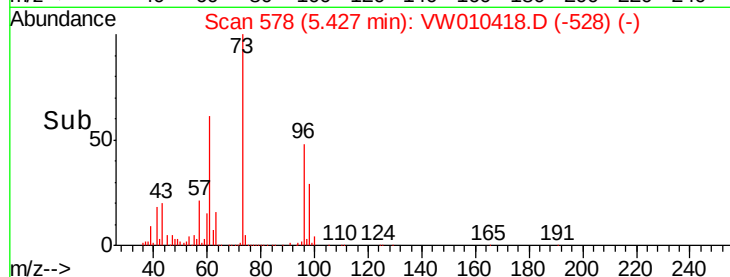
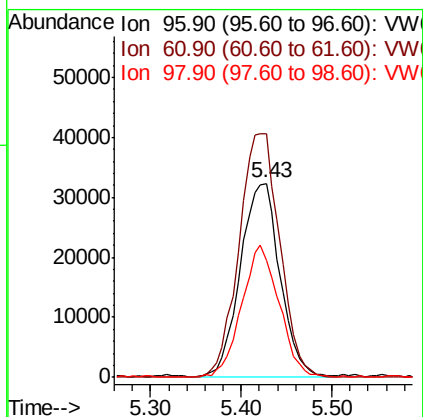
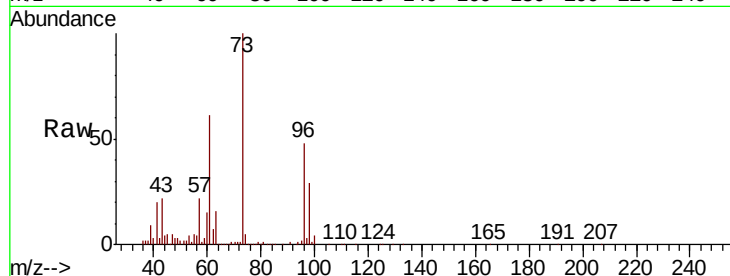
Tgt Ion: 96 Resp: 98454

Ion Ratio Lower Upper

96 100

61 125.5 103.9 155.9

98 59.8 51.5 77.3



#22

Diisopropyl ether

Concen: 12.359 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion: 45 Resp: 271627

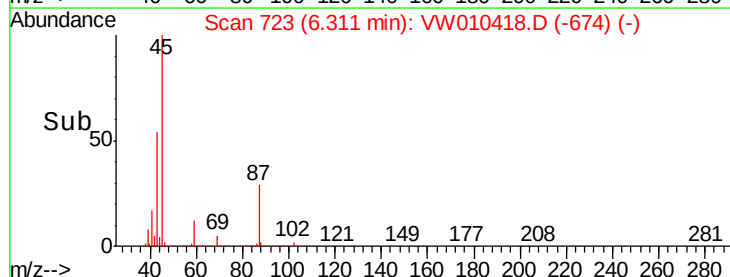
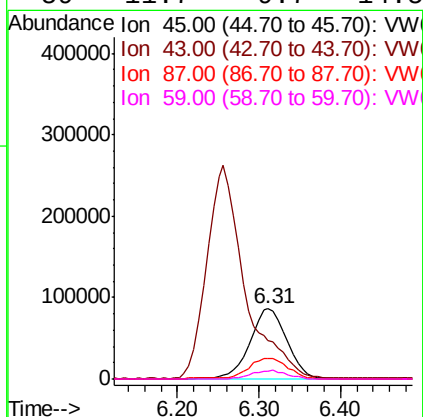
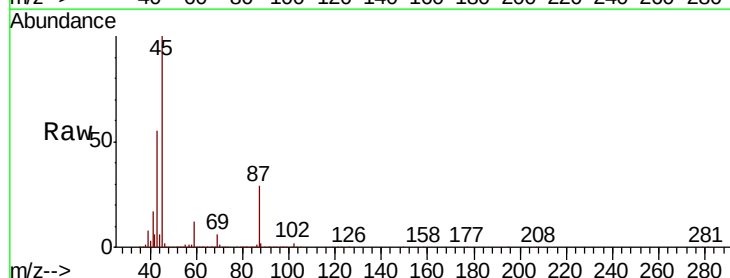
Ion Ratio Lower Upper

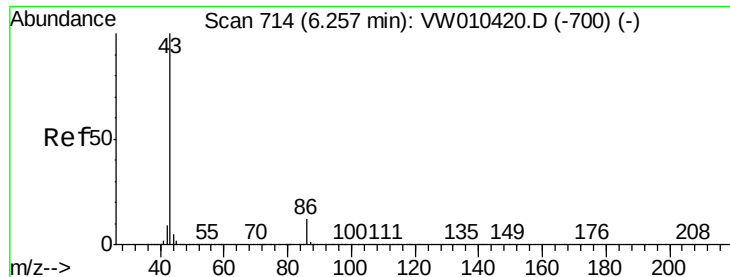
45 100

43 53.9 42.0 63.0

87 29.4 25.0 37.6

59 11.7 9.7 14.5





#23

Vinyl Acetate

Concen: 56.841 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

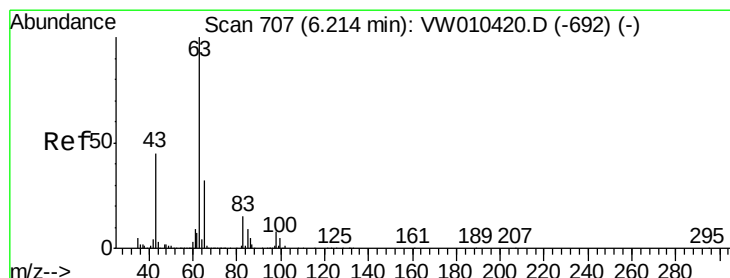
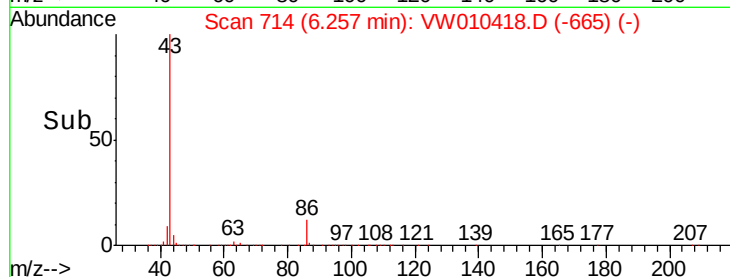
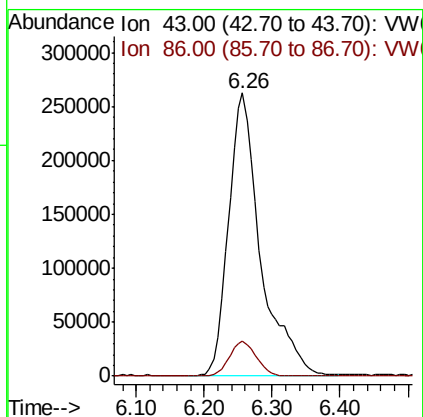
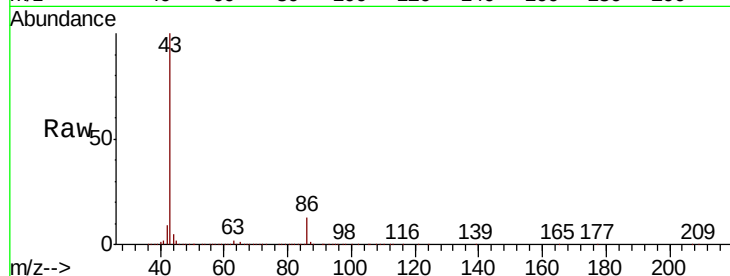
VSTDIC010

Tgt Ion: 43 Resp: 850399

Ion Ratio Lower Upper

43 100

86 12.5 9.7 14.5



#24

1,1-Dichloroethane

Concen: 11.766 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

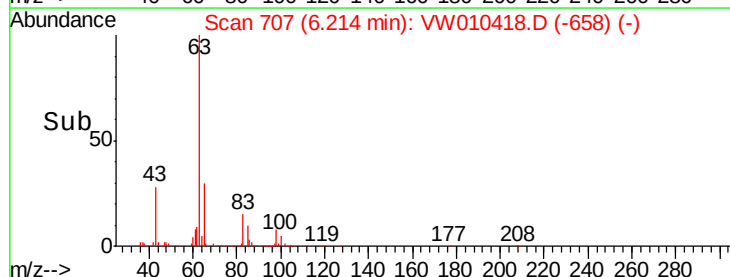
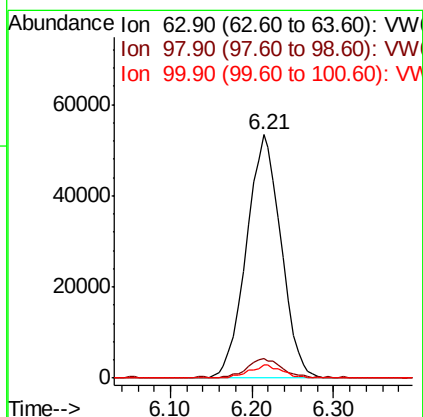
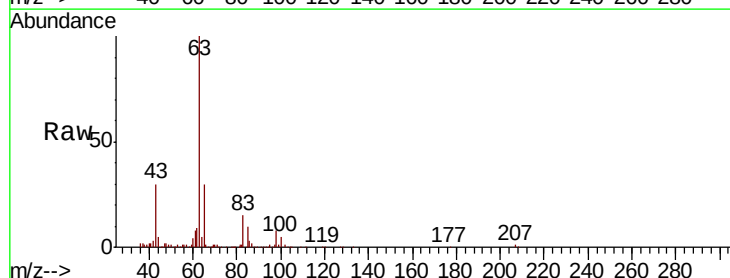
Tgt Ion: 63 Resp: 157692

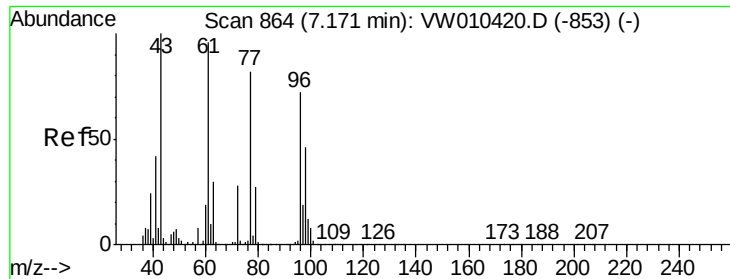
Ion Ratio Lower Upper

63 100

98 8.1 4.0 12.0

100 5.2 2.4 7.2





#25

2-Butanone

Concen: 55.788 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

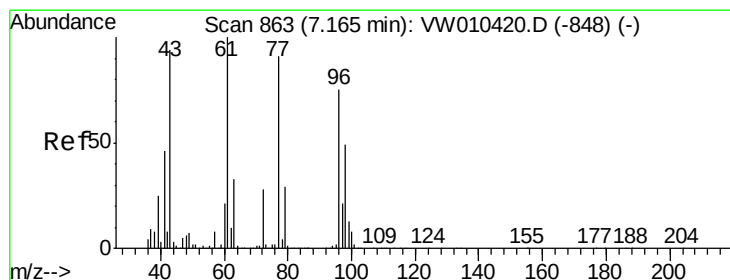
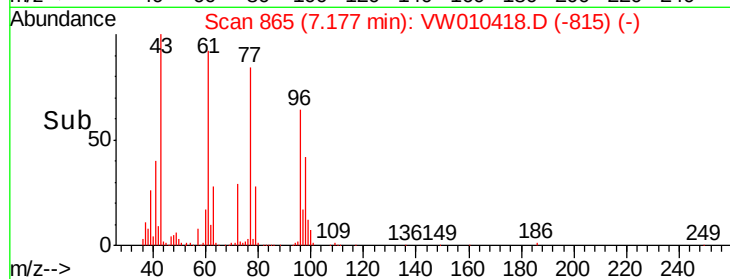
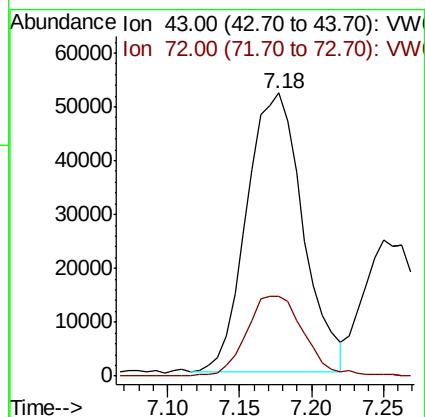
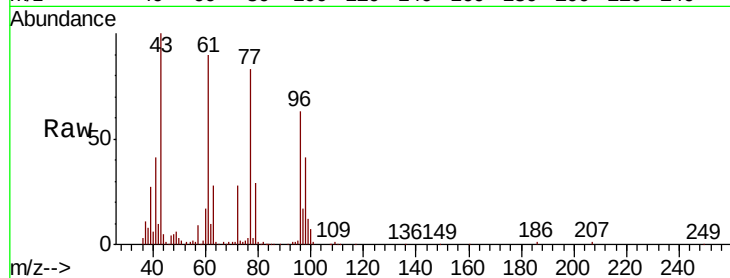
VSTDIC010

Tgt Ion: 43 Resp: 141092

Ion Ratio Lower Upper

43 100

72 28.4 22.6 33.8



#26

2,2-Dichloropropane

Concen: 19.407 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010418.D

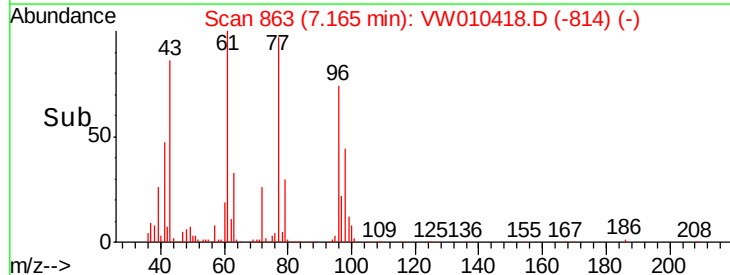
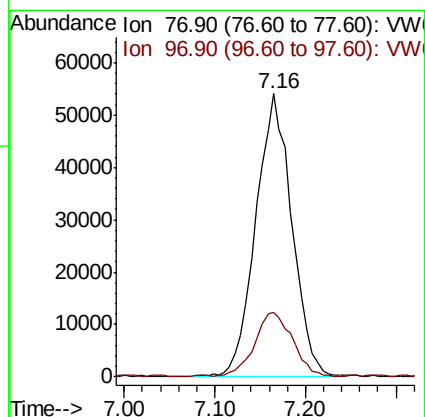
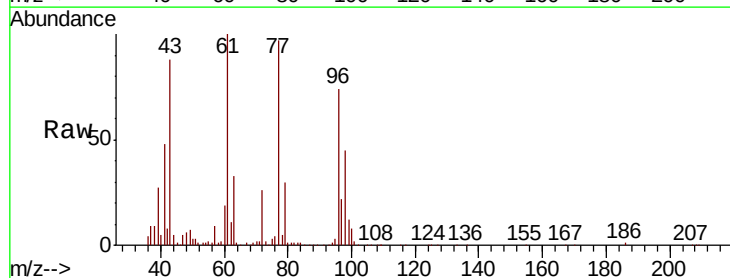
Acq: 17 May 2019 17:31

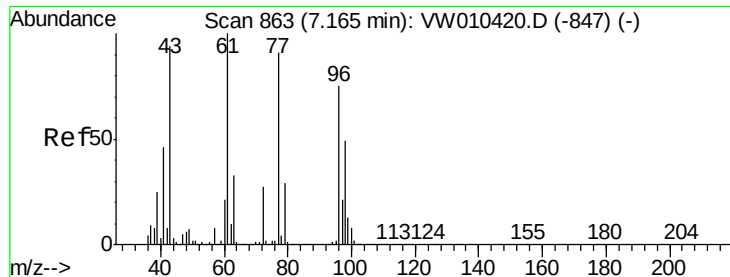
Tgt Ion: 77 Resp: 148049

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.1



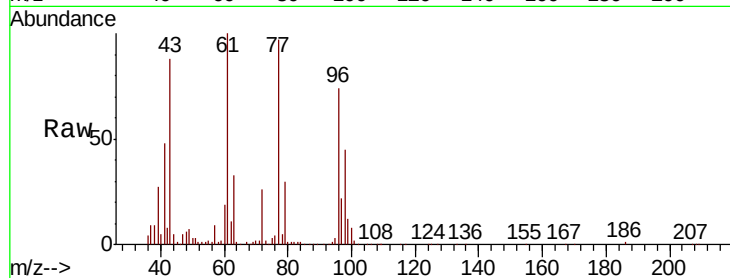


#27

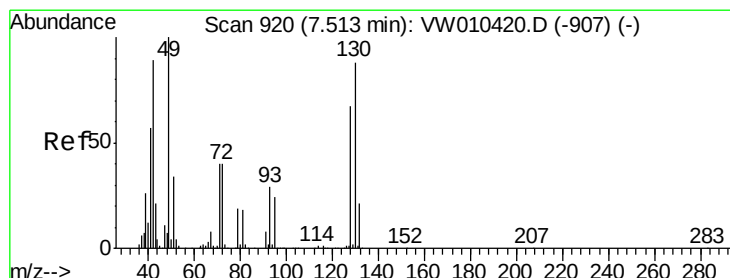
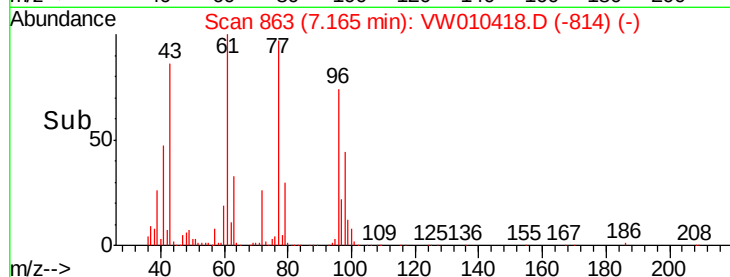
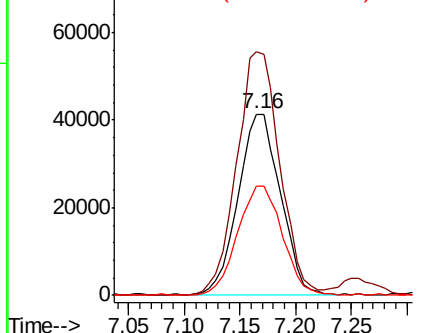
cis-1,2-Dichloroethene
Concen: 11.910 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 108884
Ion Ratio Lower Upper
96 100
61 138.0 0.0 266.4
98 63.6 0.0 129.6



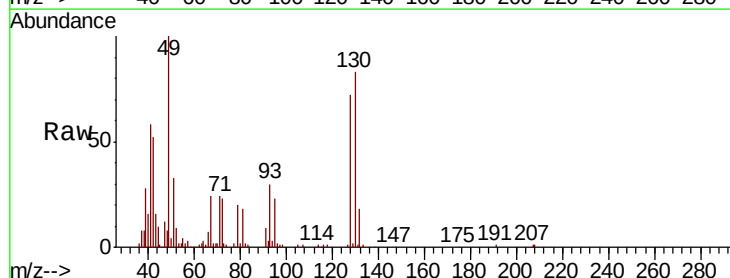
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



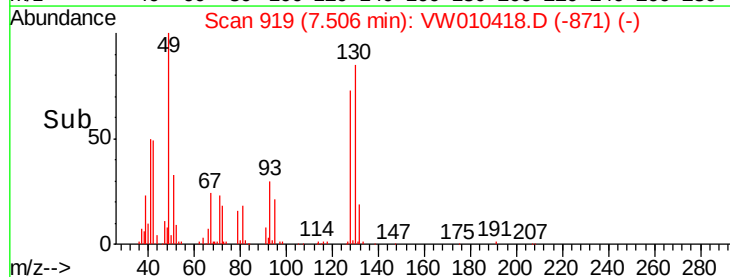
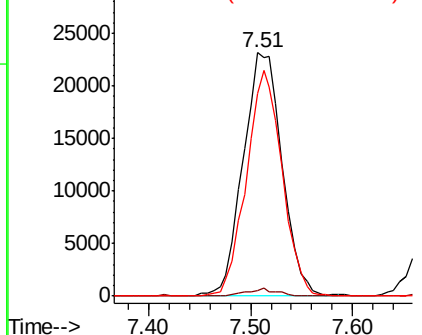
#28

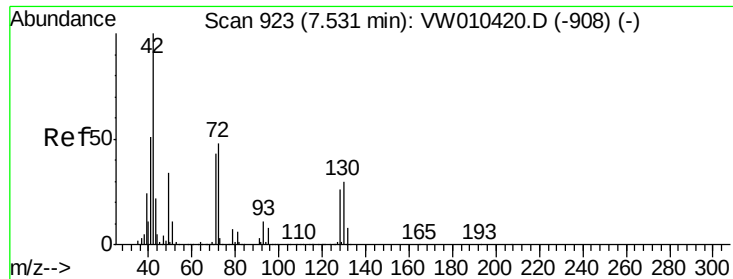
Bromochloromethane
Concen: 11.082 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 49 Resp: 61602
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.6
130 84.8 68.2 102.4



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

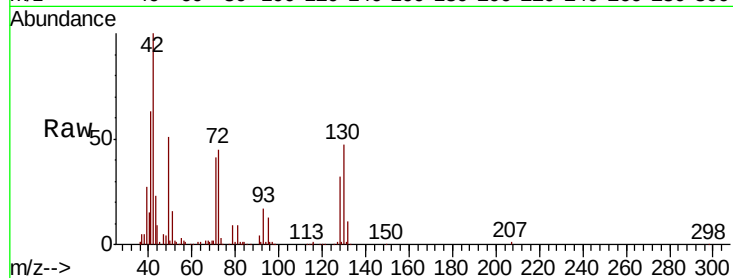




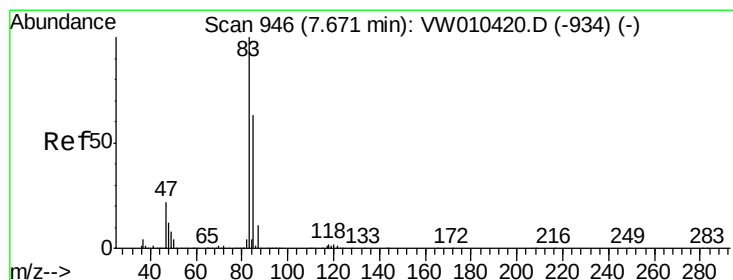
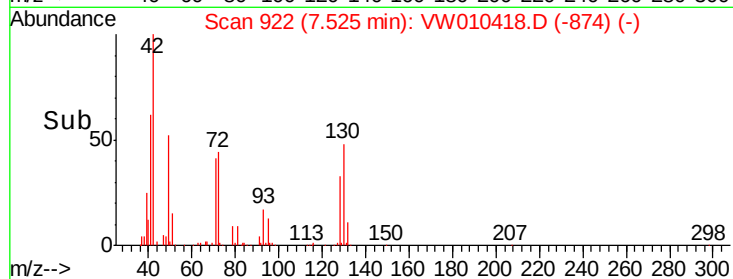
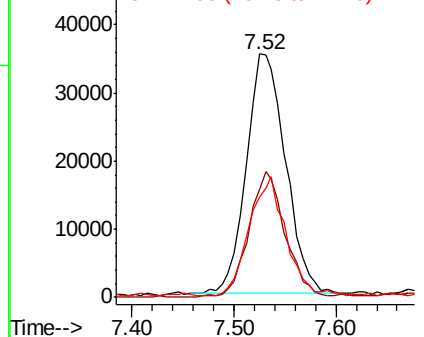
#29
Tetrahydrofuran
Concen: 55.595 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 94188
Ion Ratio Lower Upper
42 100
72 48.5 38.2 57.2
71 45.7 36.0 54.0

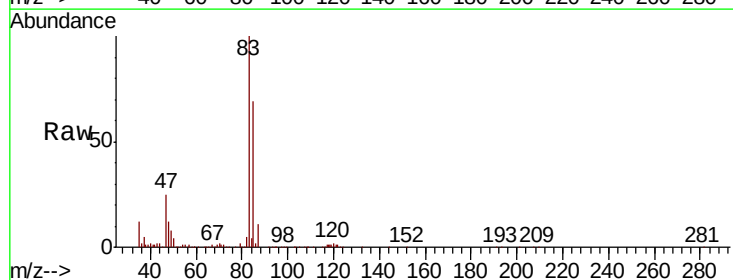


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

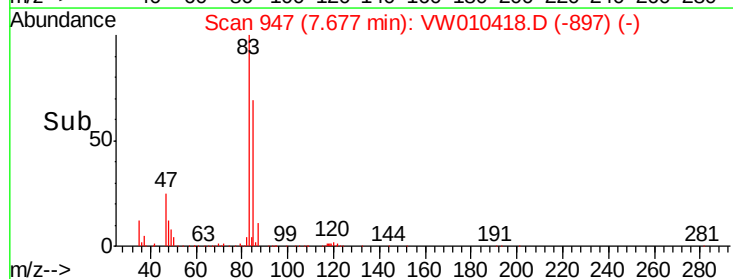
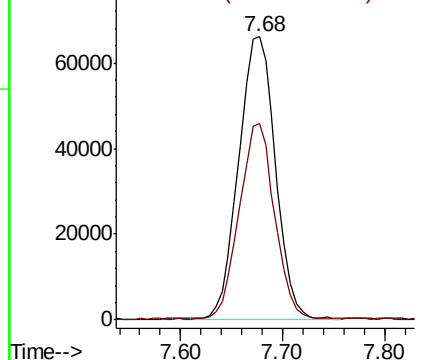


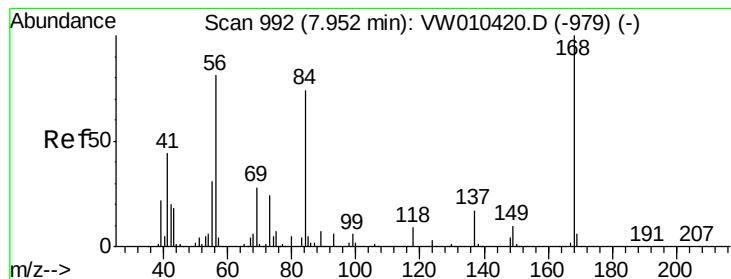
#30
Chloroform
Concen: 11.668 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 83 Resp: 164300
Ion Ratio Lower Upper
83 100
85 69.4 50.8 76.2



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





#31

Cyclohexane

Concen: 12.905 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

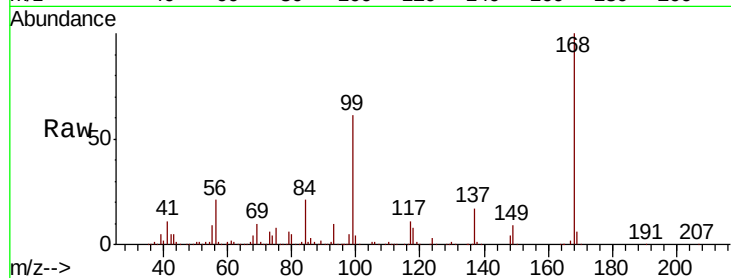
Tgt Ion: 56 Resp: 168196

Ion Ratio Lower Upper

56 100

69 47.9 27.6 41.4#

84 98.2 72.9 109.3

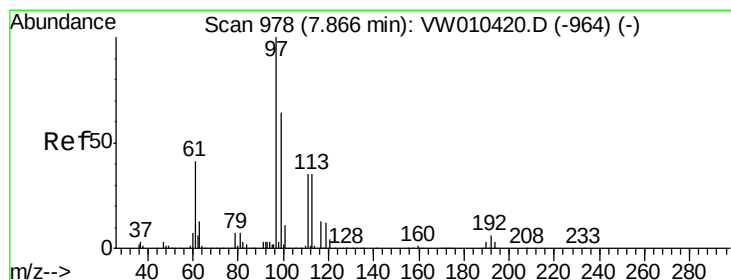
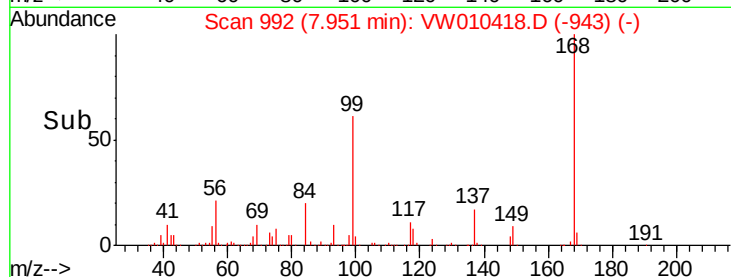
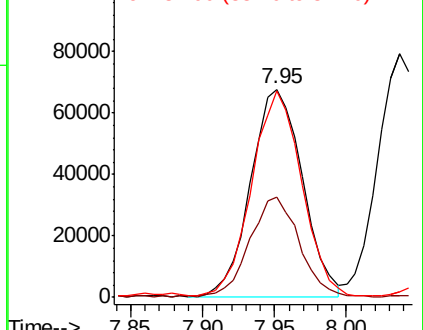


Abundance

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: 14.013 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

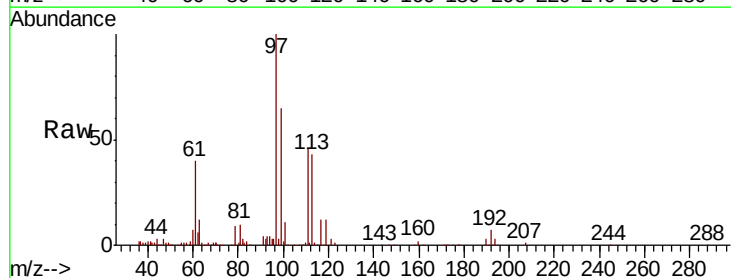
Tgt Ion: 97 Resp: 159106

Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.2

61 39.8 32.0 48.0

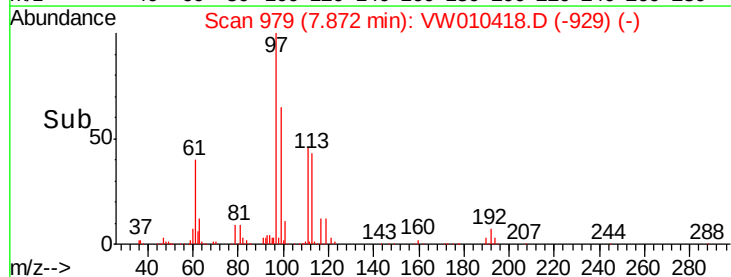
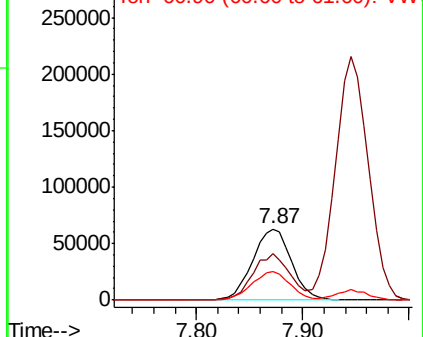


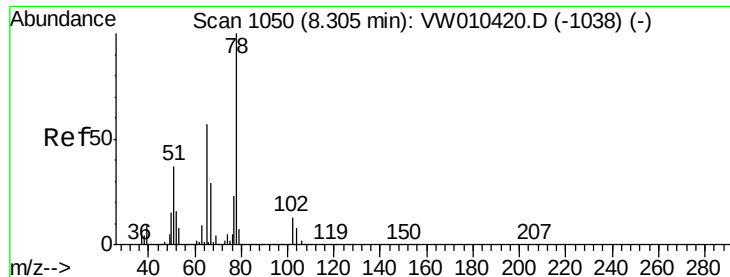
Abundance

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

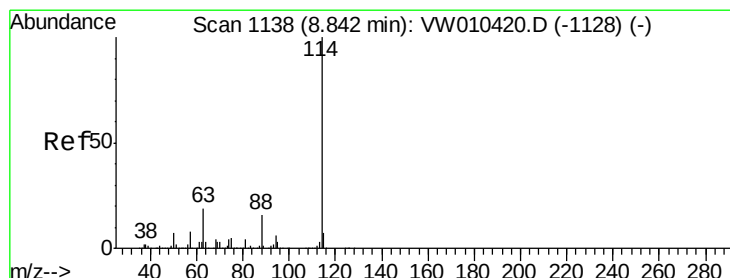
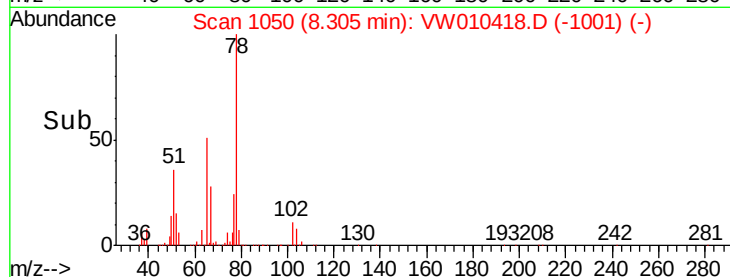
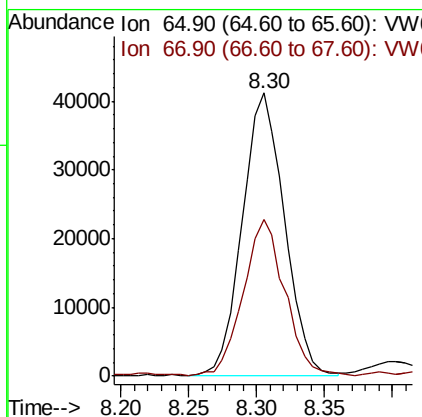
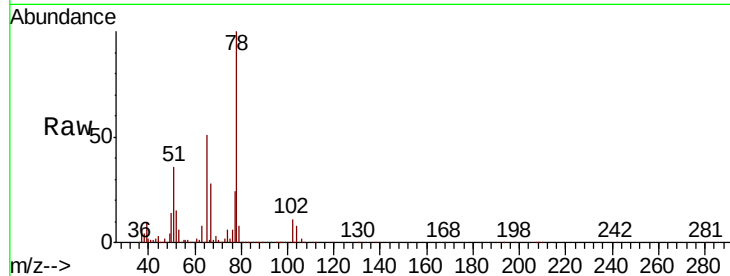




#33
 1,2-Dichloroethane-d4
 Concen: 11.892 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

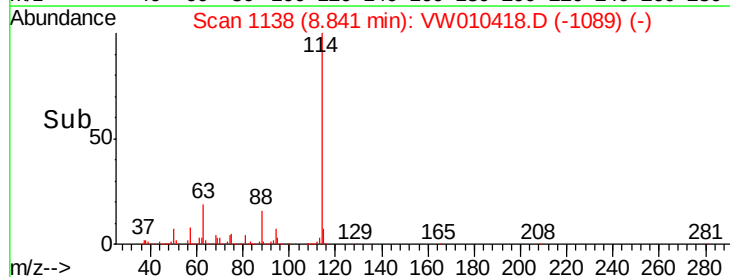
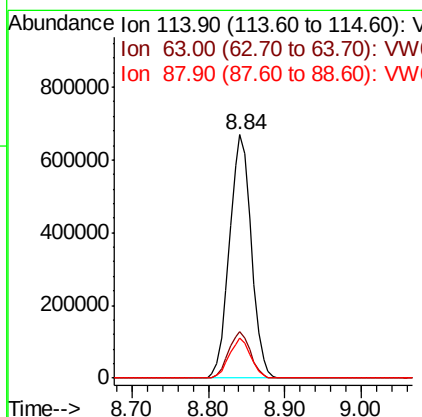
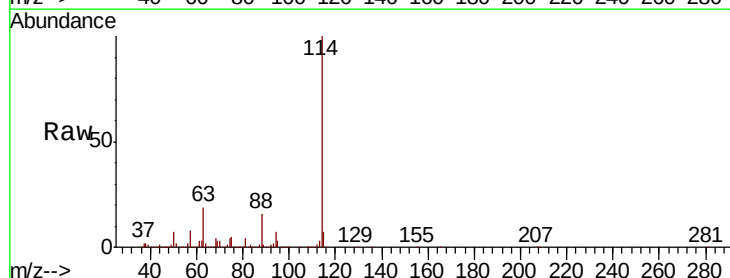
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

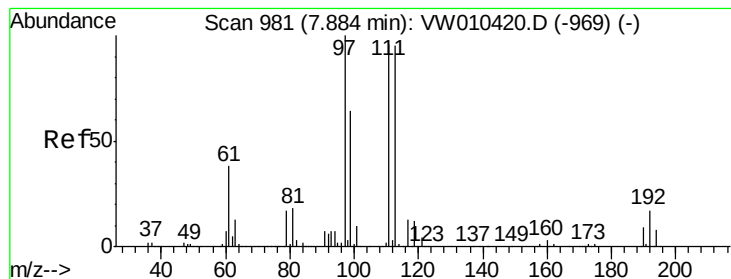
Tgt Ion: 65 Resp: 89539
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion: 114 Resp: 1315363
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.8
 88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 11.107 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

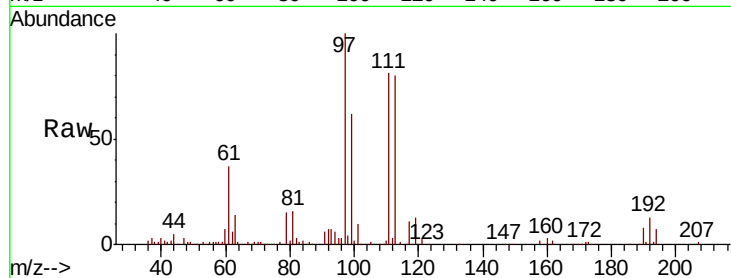
Tgt Ion: 113 Resp: 87027

Ion Ratio Lower Upper

113 100

111 104.4 82.5 123.7

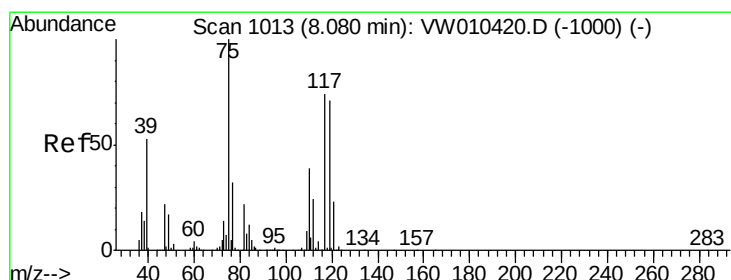
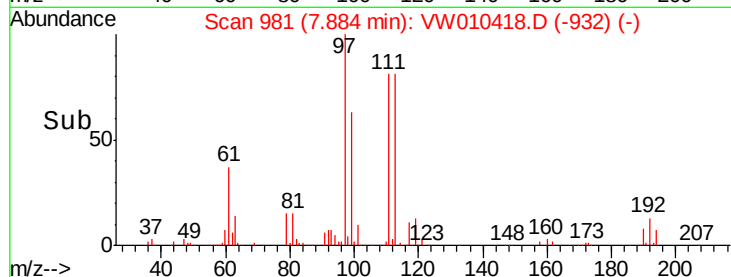
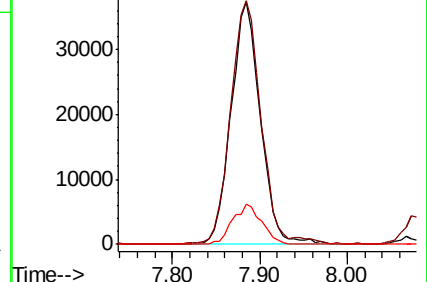
192 16.3 14.2 21.4



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: 11.763 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

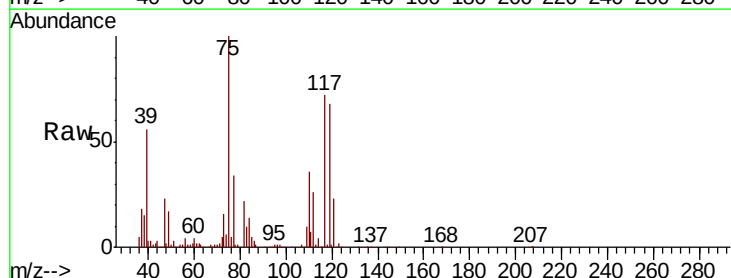
Tgt Ion: 75 Resp: 133134

Ion Ratio Lower Upper

75 100

110 38.6 19.4 58.1

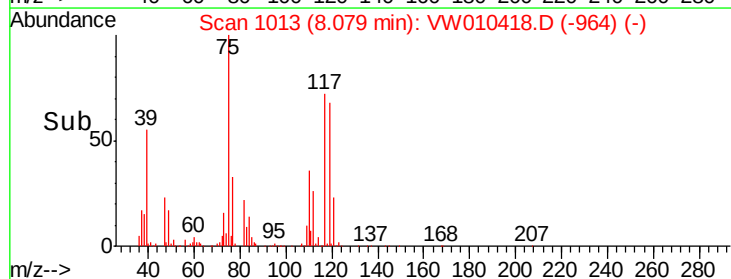
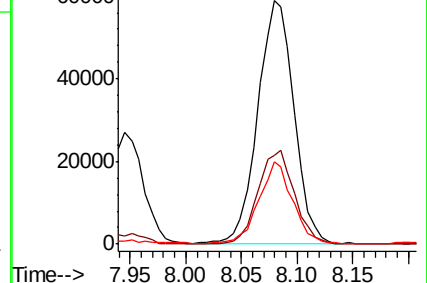
77 31.4 24.7 37.1

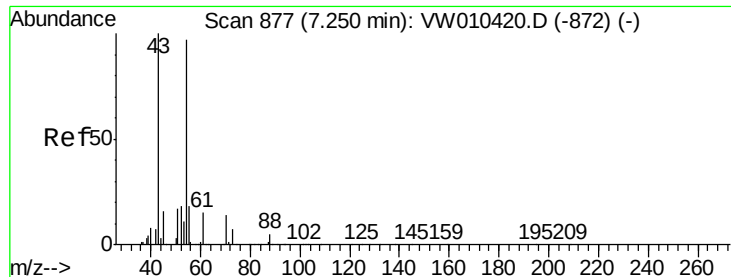


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

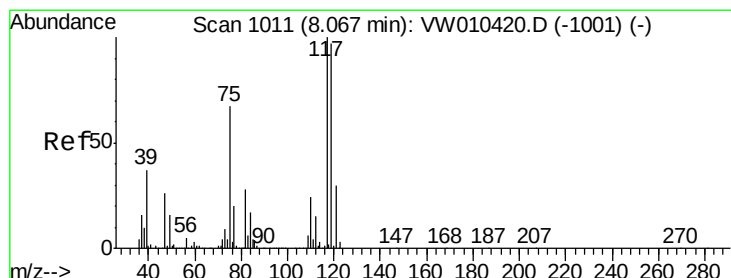
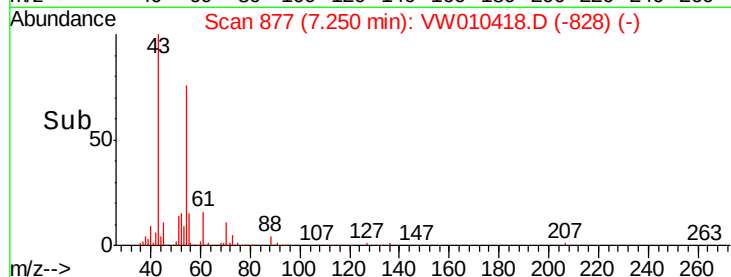
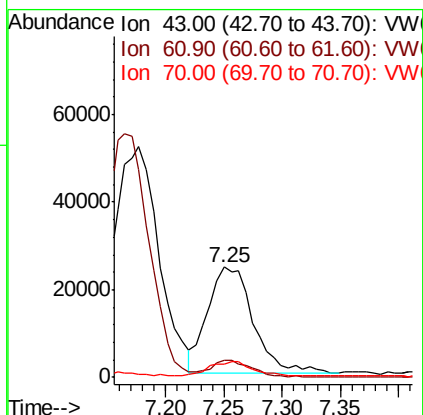
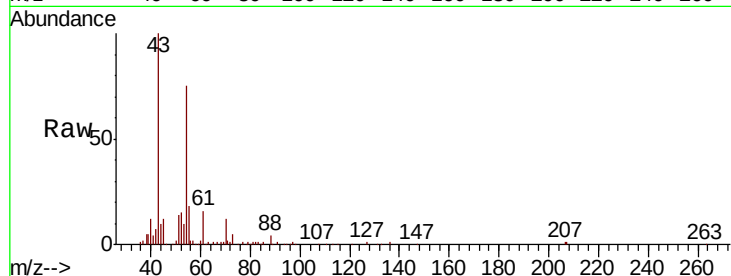




#37
 Ethyl Acetate
 Concen: 11.630 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

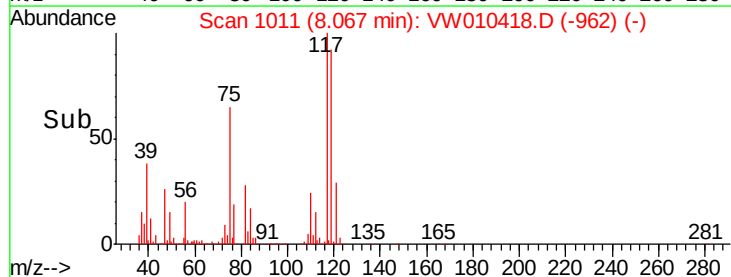
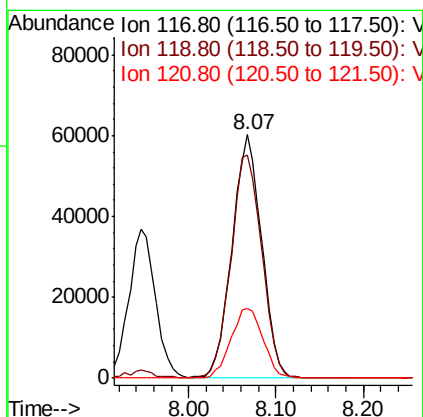
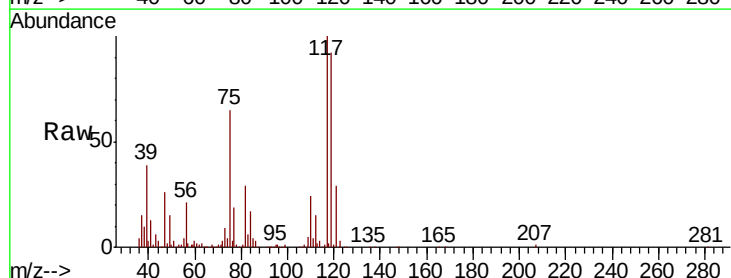
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

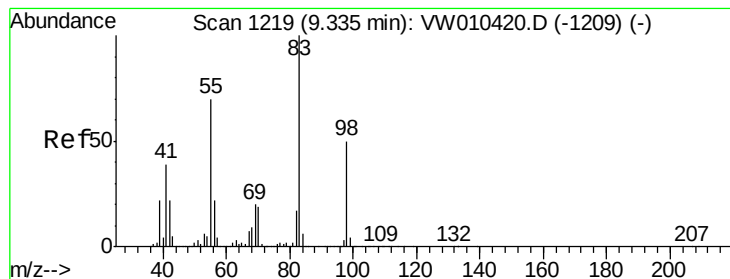
Tgt Ion: 43 Resp: 66001
 Ion Ratio Lower Upper
 43 100
 61 14.8 11.8 17.6
 70 12.9 9.4 14.0



#38
 Carbon Tetrachloride
 Concen: 12.235 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion: 117 Resp: 142029
 Ion Ratio Lower Upper
 117 100
 119 91.7 77.8 116.6
 121 28.7 24.2 36.2





#39

Methylcyclohexane

Concen: 11.532 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

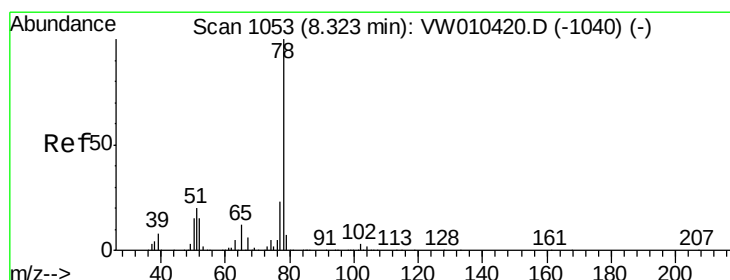
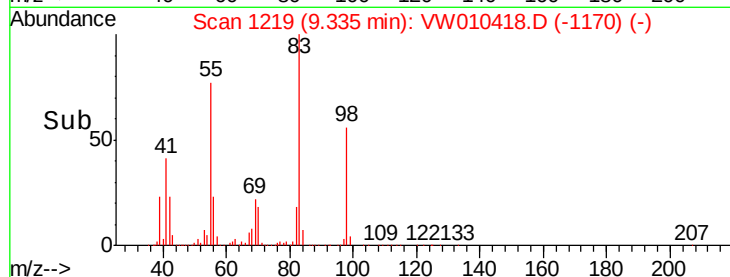
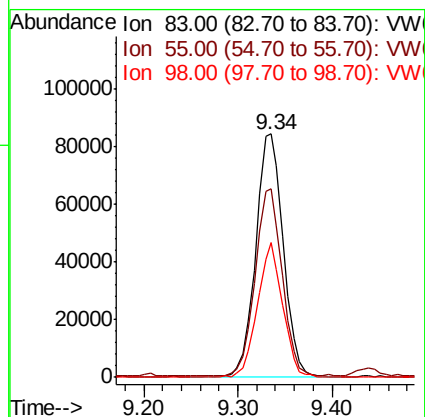
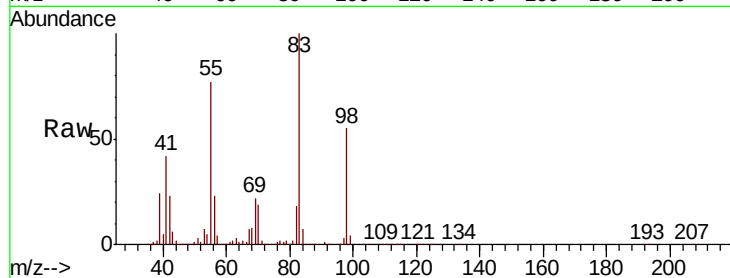
Tgt Ion: 83 Resp: 172902

Ion Ratio Lower Upper

83 100

55 76.7 55.7 83.5

98 55.5 40.2 60.4



#40

Benzene

Concen: 11.508 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010418.D

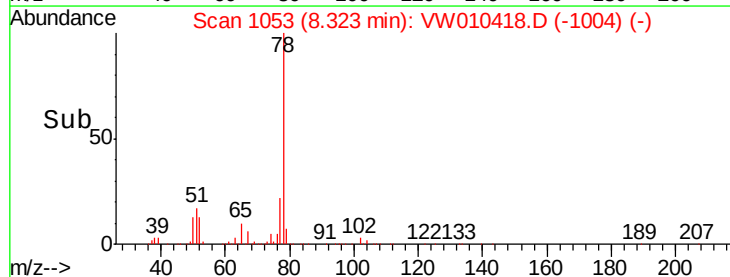
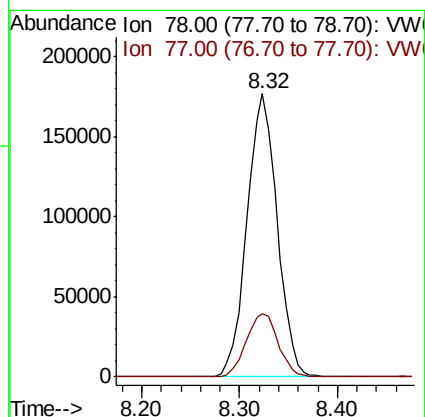
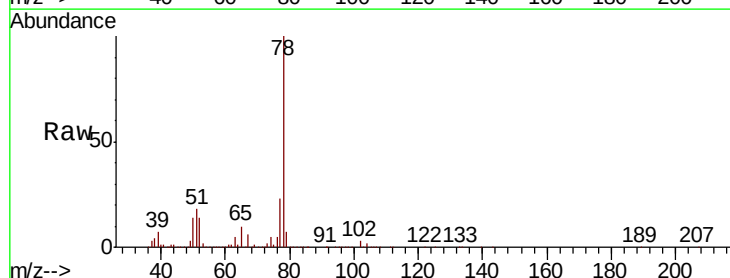
Acq: 17 May 2019 17:31

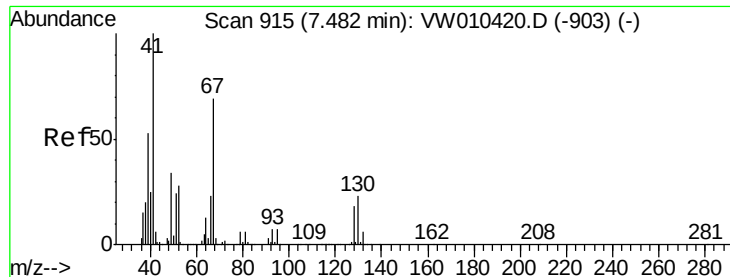
Tgt Ion: 78 Resp: 378905

Ion Ratio Lower Upper

78 100

77 22.3 18.7 28.1

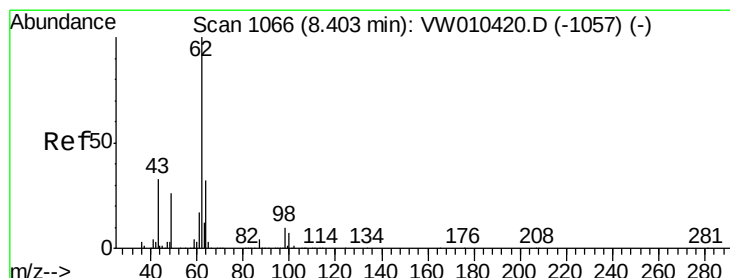
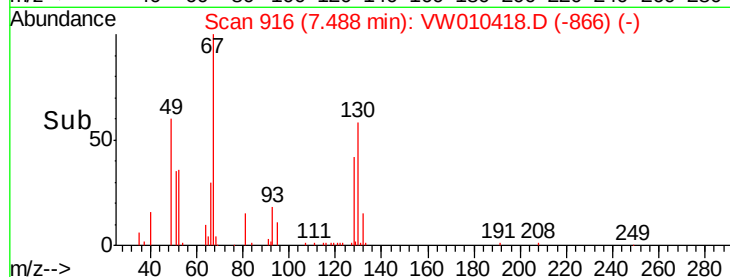
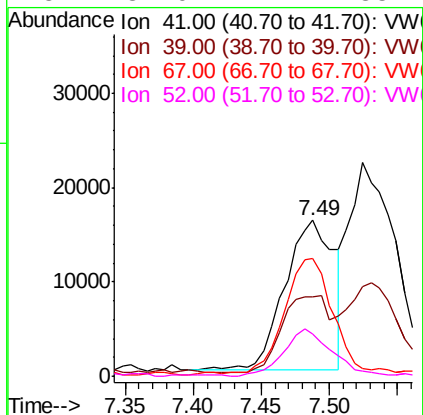
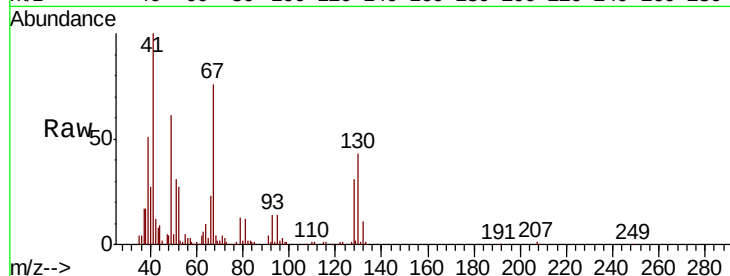




#41
Methacrylonitrile
Concen: 11.597 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

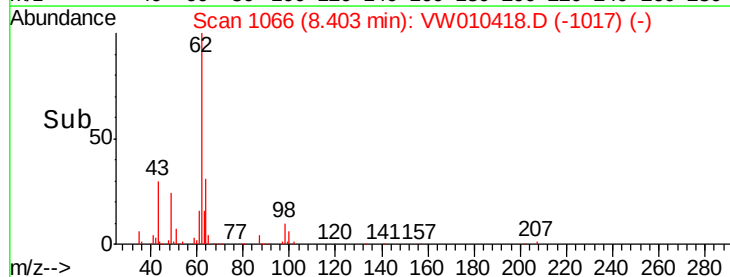
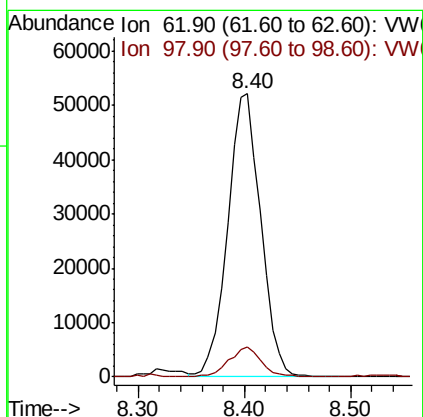
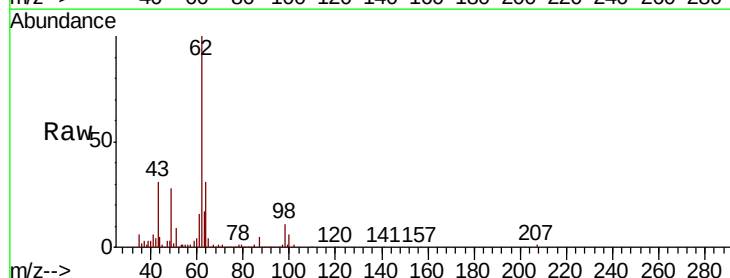
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

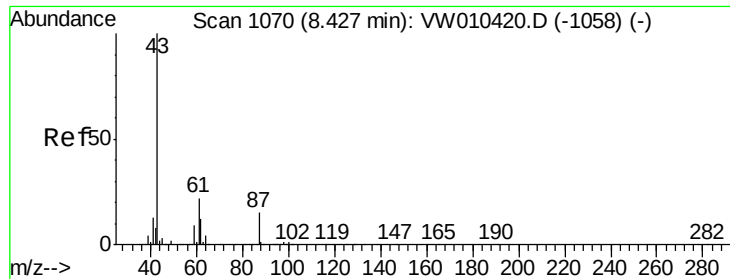
Tgt Ion:	41	Resp:	39987
Ion	Ratio	Lower	Upper
41	100		
39	47.7	38.1	57.1
67	75.8	55.5	83.3
52	31.0	22.1	33.1



#42
1,2-Dichloroethane
Concen: 11.827 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion:	62	Resp:	113543
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 11.001 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

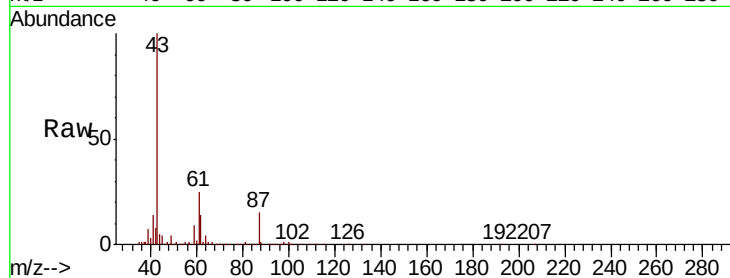
Tgt Ion: 43 Resp: 128629

Ion Ratio Lower Upper

43 100

61 30.9 24.4 36.6

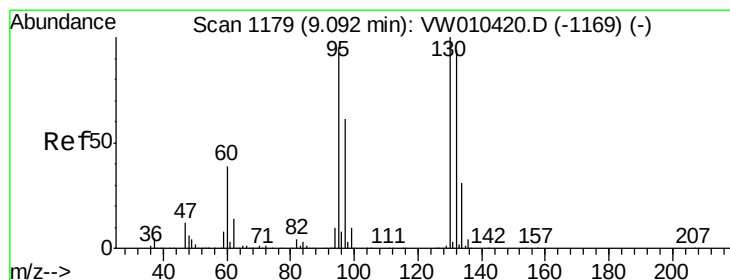
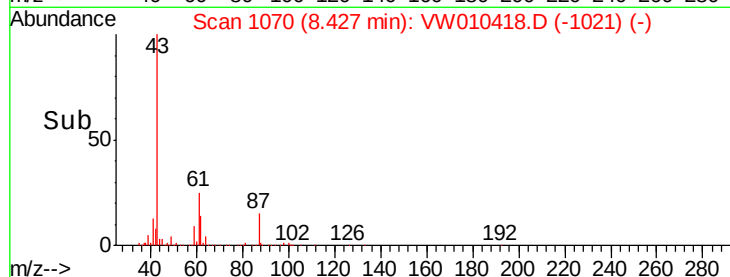
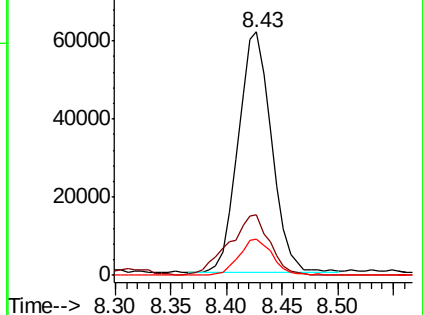
87 15.3 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 11.391 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010418.D

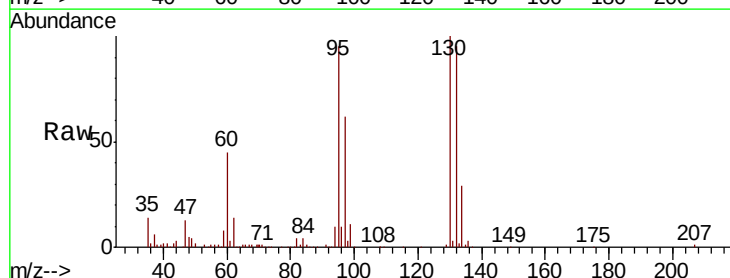
Acq: 17 May 2019 17:31

Tgt Ion: 130 Resp: 107112

Ion Ratio Lower Upper

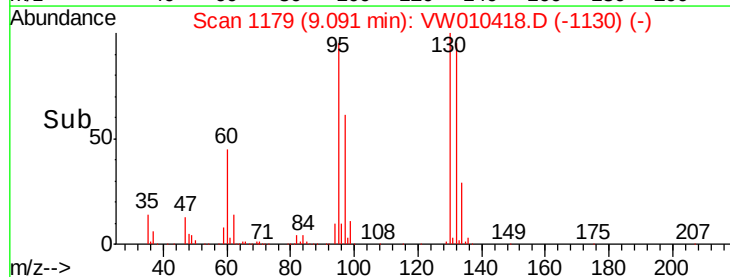
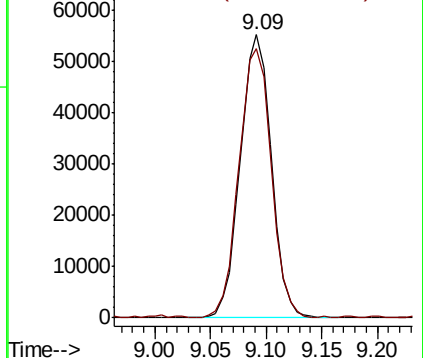
130 100

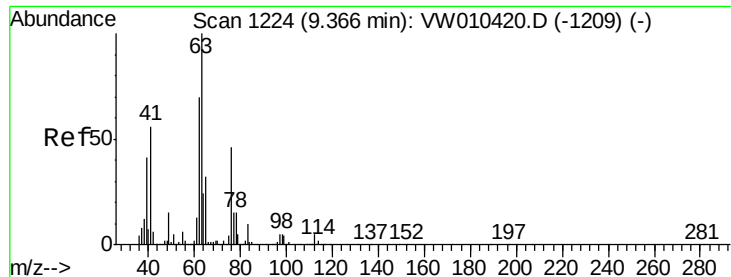
95 95.0 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

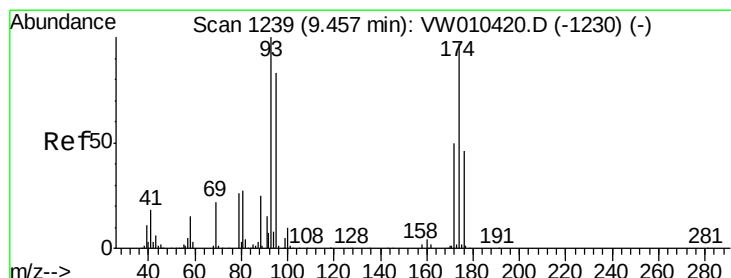
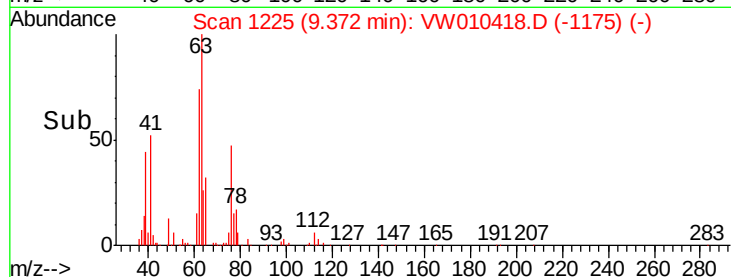
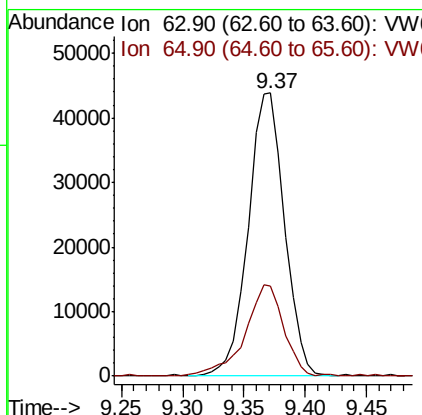
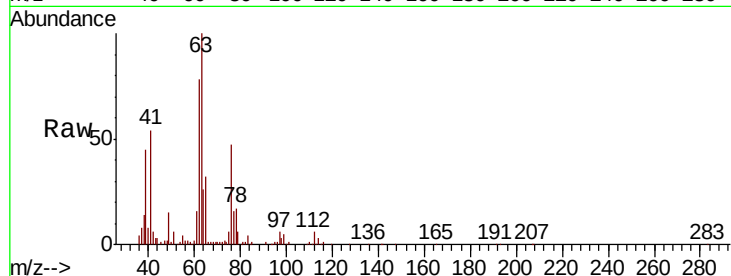




#45
 1,2-Dichloropropane
 Concen: 11.129 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

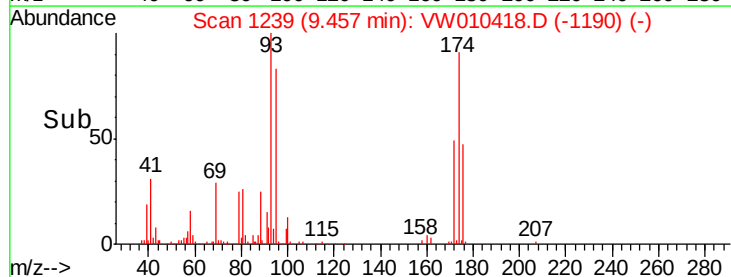
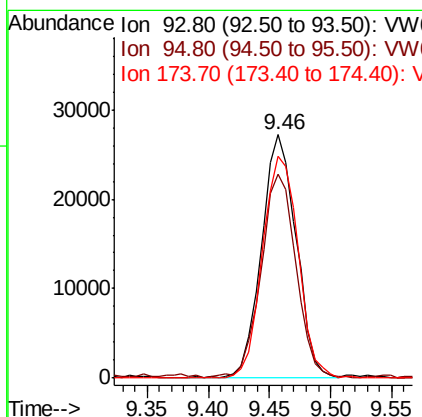
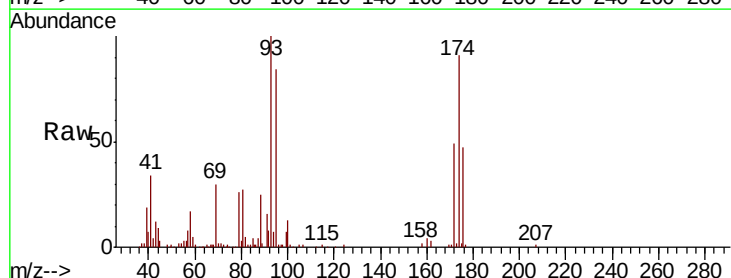
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

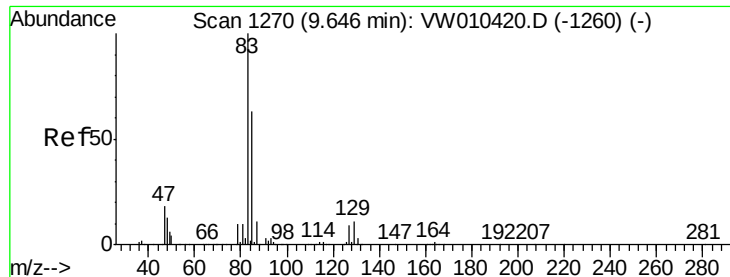
Tgt Ion: 63 Resp: 90906
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2



#46
 Dibromomethane
 Concen: 11.343 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion: 93 Resp: 53949
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 93.8 76.4 114.6





#47

Bromodichloromethane

Concen: 11.429 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

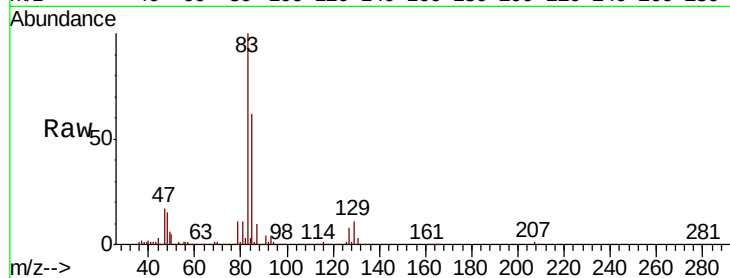
Tgt Ion: 83 Resp: 133299

Ion Ratio Lower Upper

83 100

85 62.0 50.0 75.0

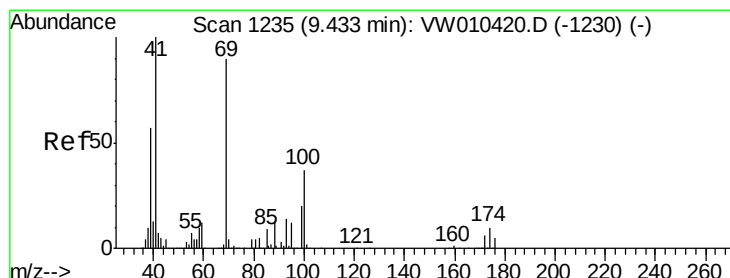
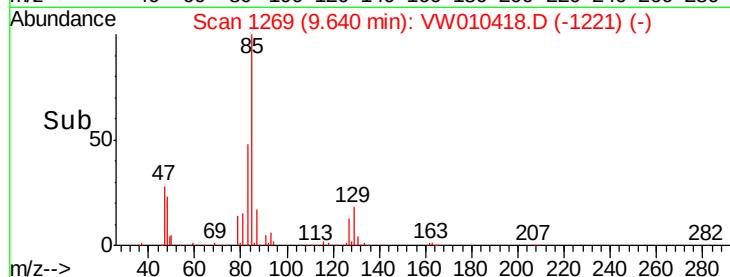
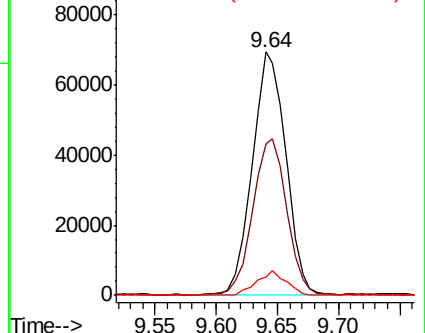
127 7.7 7.3 10.9



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: 11.294 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

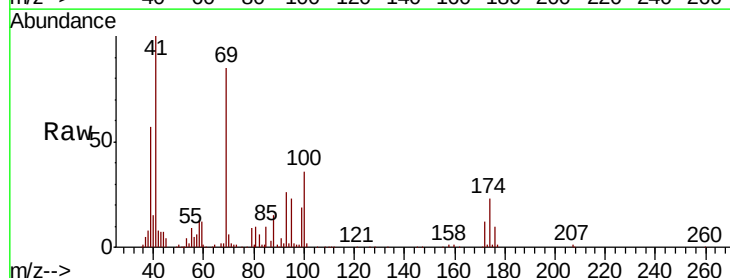
Tgt Ion: 41 Resp: 60692

Ion Ratio Lower Upper

41 100

69 92.9 75.2 112.8

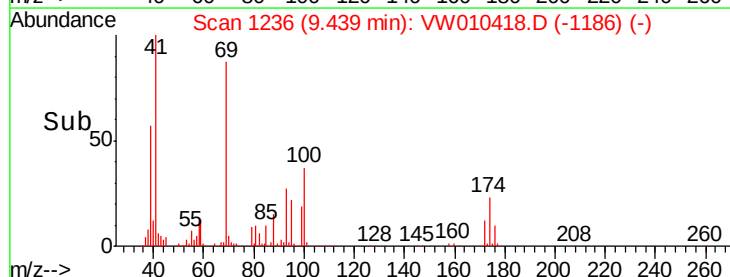
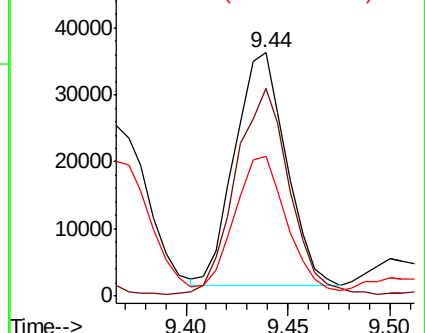
39 60.6 46.8 70.2

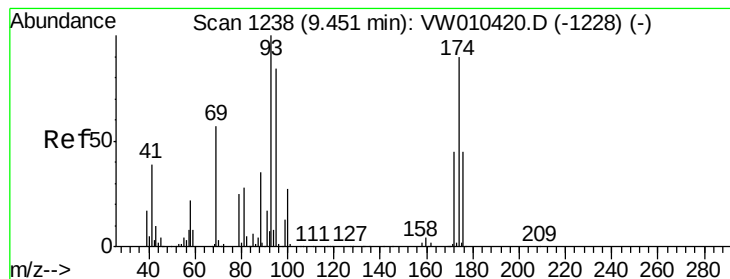


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 203.362 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

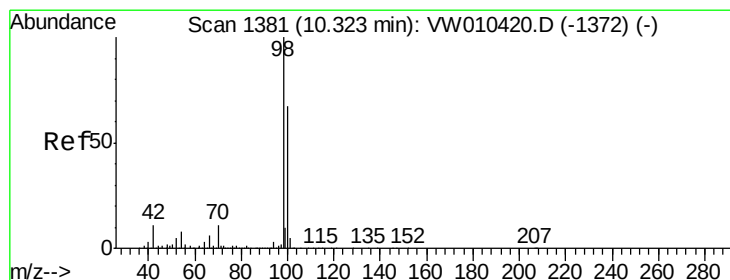
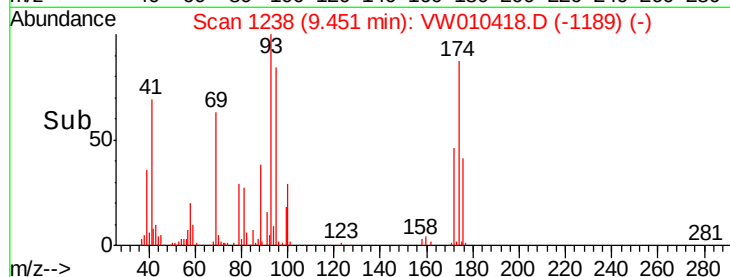
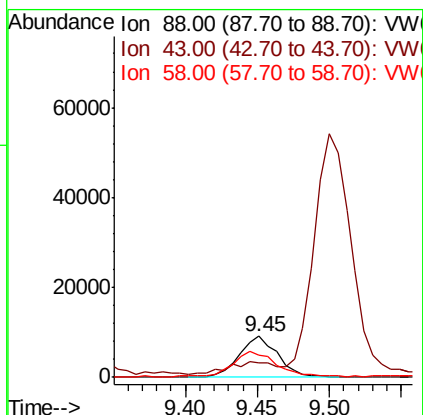
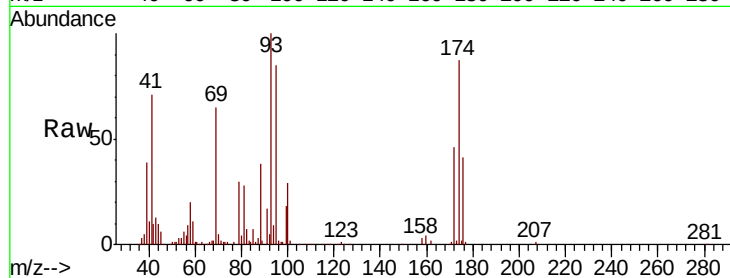
Tgt Ion: 88 Resp: 16905

Ion Ratio Lower Upper

88 100

43 36.3 24.9 37.3

58 72.3 55.0 82.6



#50

Toluene-d8

Concen: 11.137 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010418.D

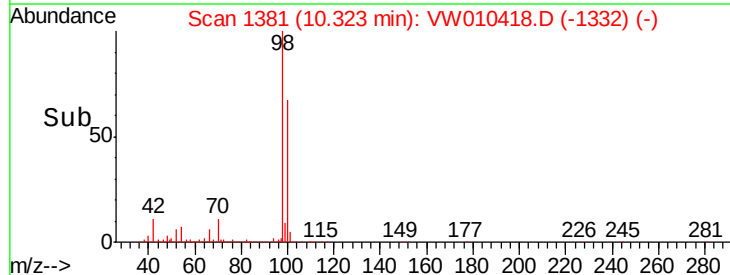
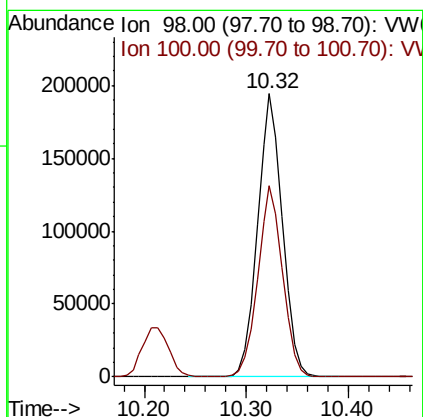
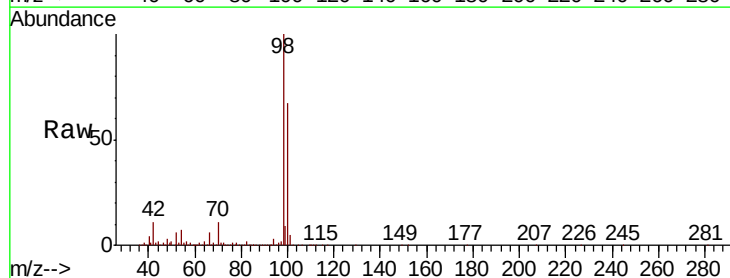
Acq: 17 May 2019 17:31

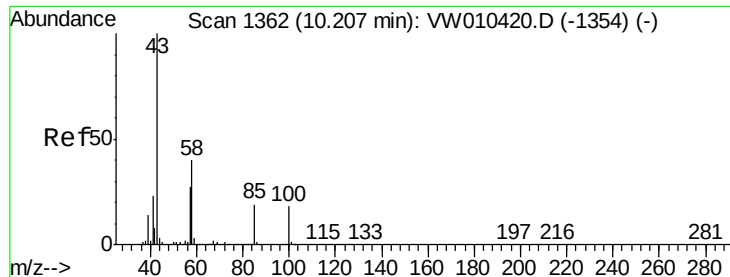
Tgt Ion: 98 Resp: 330299

Ion Ratio Lower Upper

98 100

100 67.2 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 55.822 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

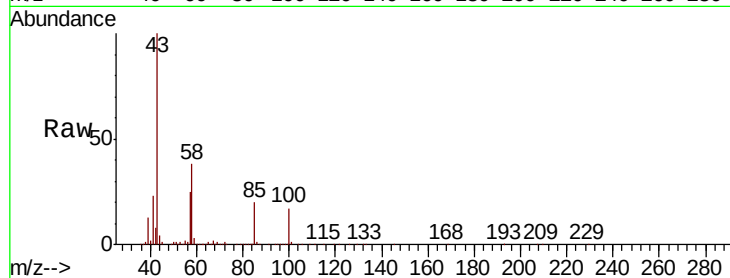
VSTDIC010

Tgt Ion: 43 Resp: 337889

Ion Ratio Lower Upper

43 100

58 41.4 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

200000

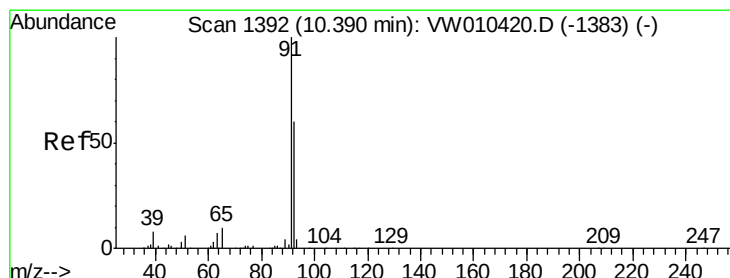
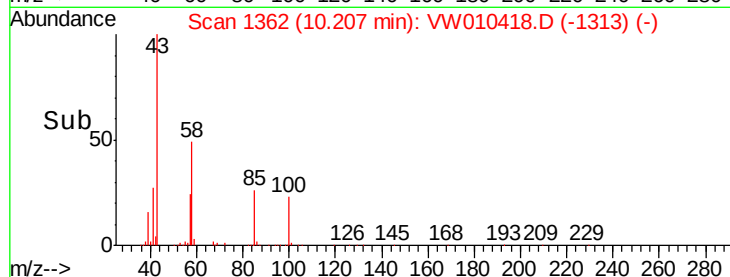
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 11.423 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010418.D

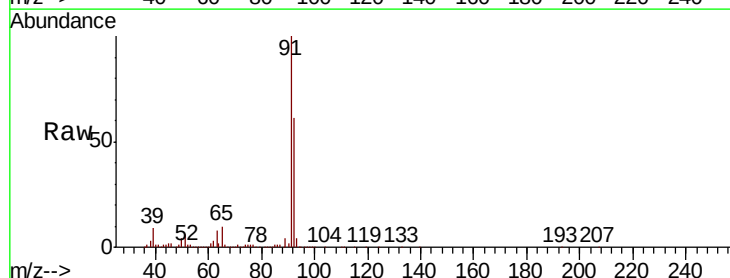
Acq: 17 May 2019 17:31

Tgt Ion: 92 Resp: 250646

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

250000

200000

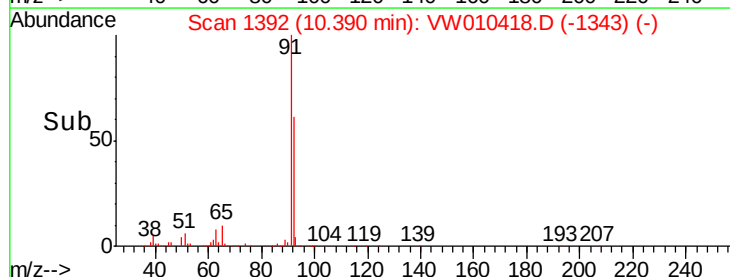
150000

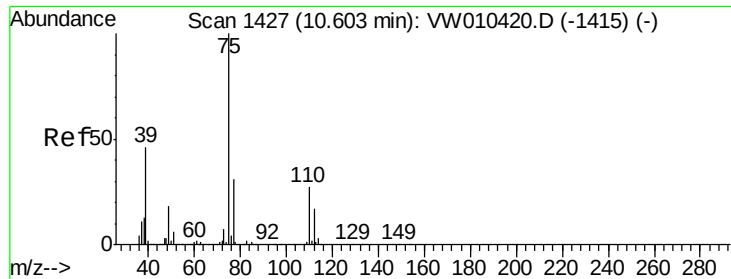
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 11.165 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

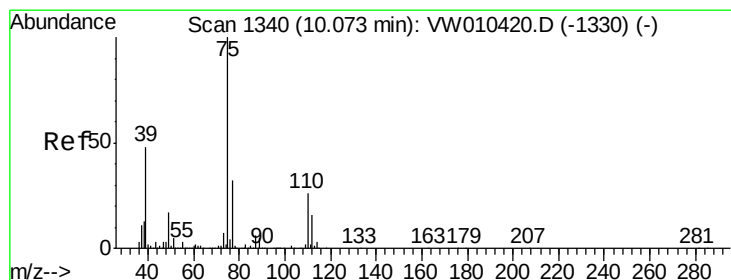
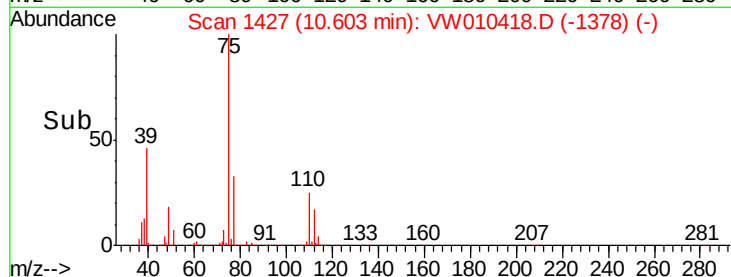
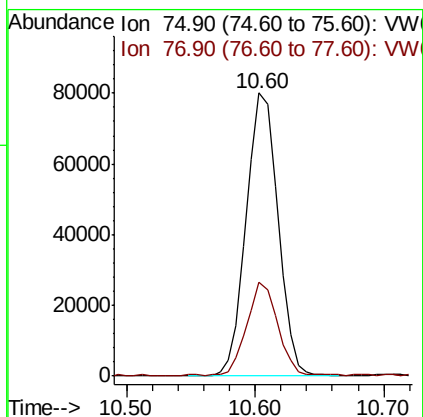
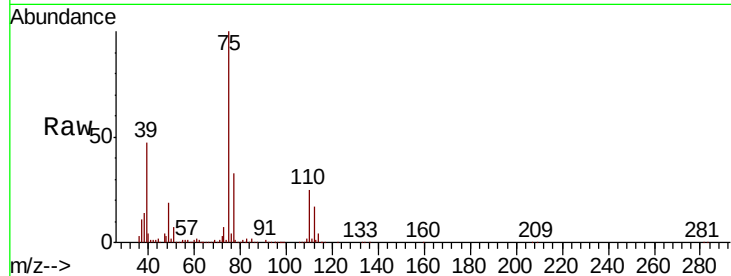
VSTDIC010

Tgt Ion: 75 Resp: 137179

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 11.326 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

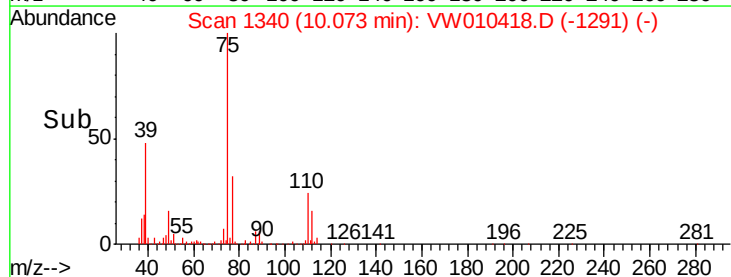
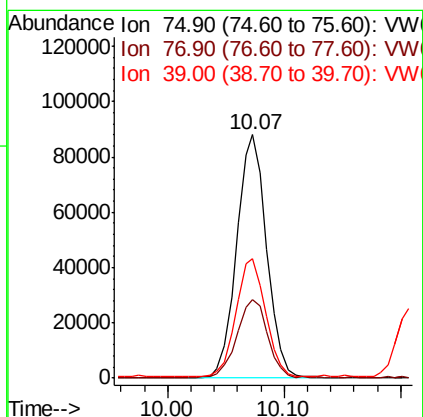
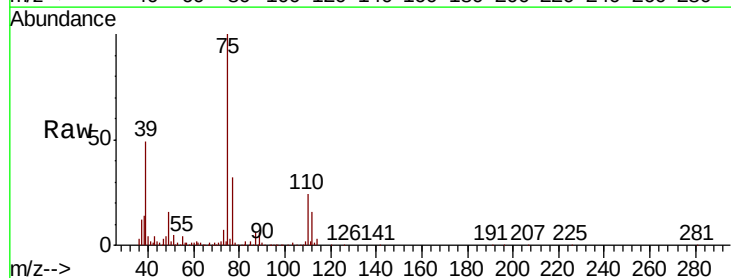
Tgt Ion: 75 Resp: 157323

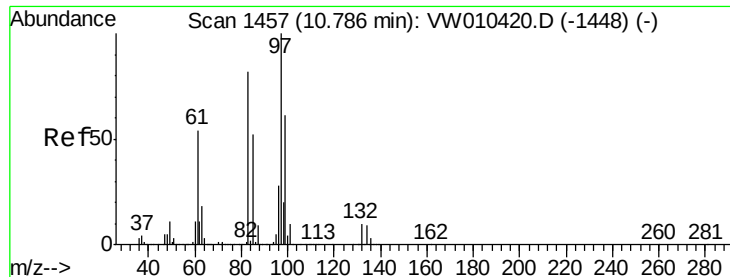
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 48.4 38.1 57.1

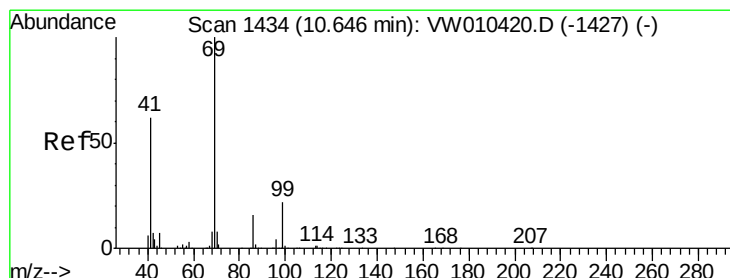
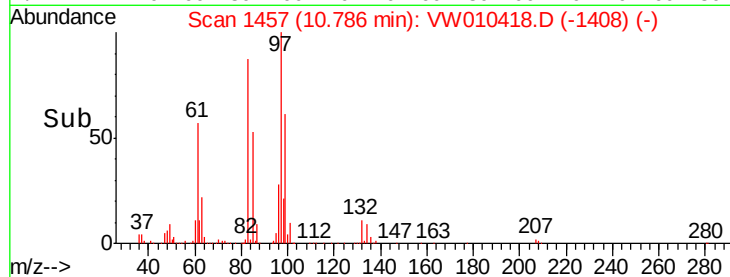
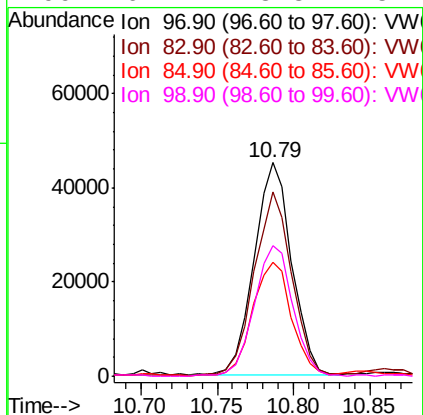
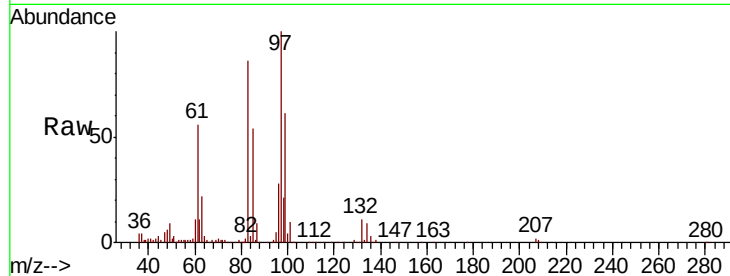




#55
 1,1,2-Trichloroethane
 Concen: 11.202 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

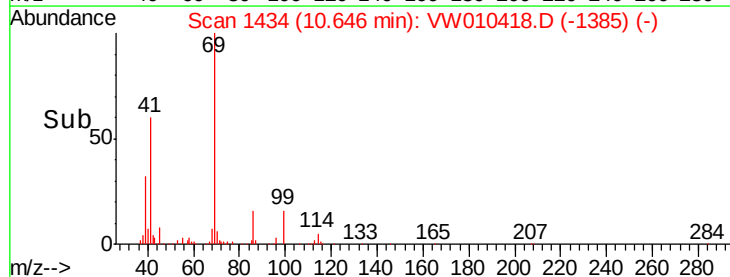
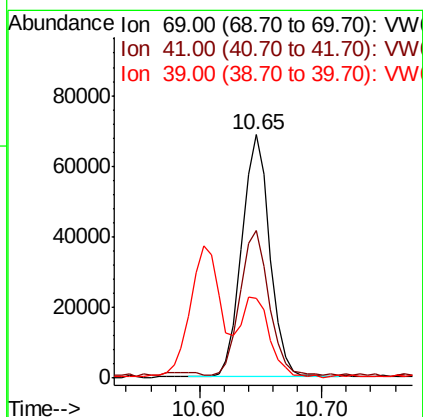
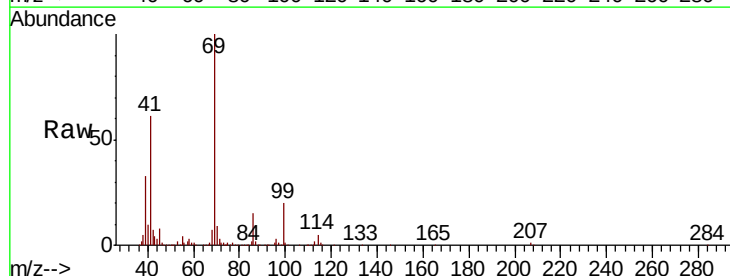
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

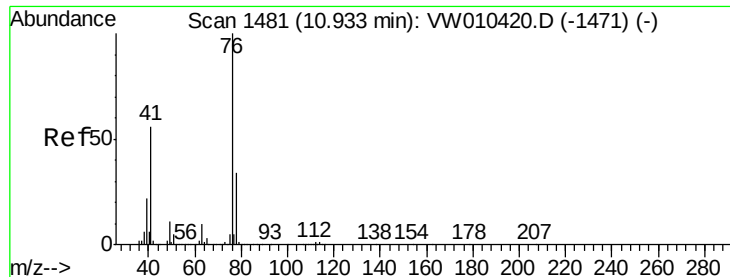
Tgt Ion:	97	Resp:	77042
Ion	Ratio	Lower	Upper
97	100		
83	86.1	65.6	98.4
85	53.6	41.6	62.4
99	61.1	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 11.131 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion:	69	Resp:	108704
Ion	Ratio	Lower	Upper
69	100		
41	61.6	50.0	75.0
39	33.4	26.5	39.7





#57

1,3-Dichloropropane

Concen: 11.570 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

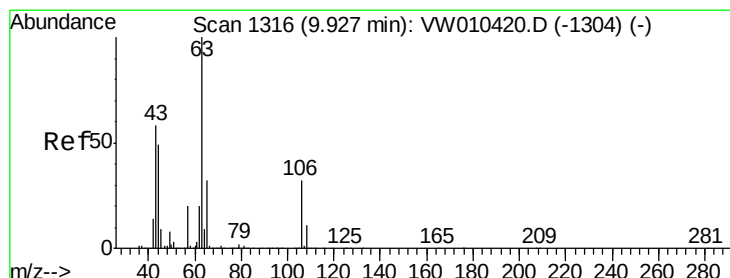
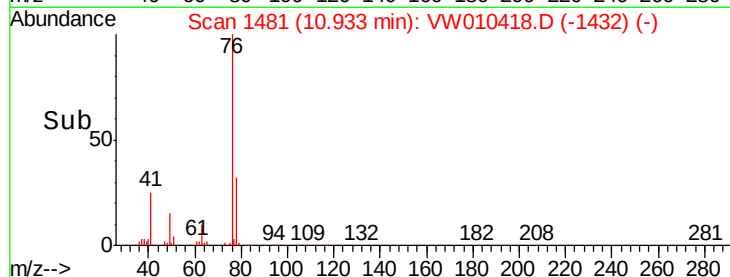
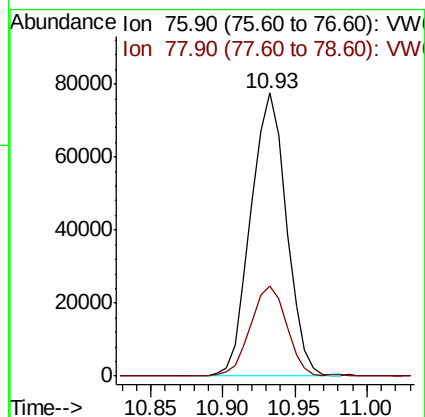
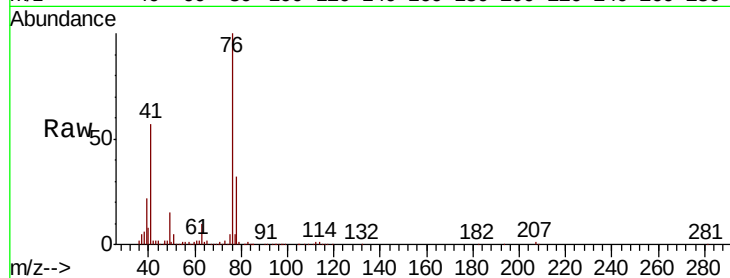
VSTDIC010

Tgt Ion: 76 Resp: 133098

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 61.933 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010418.D

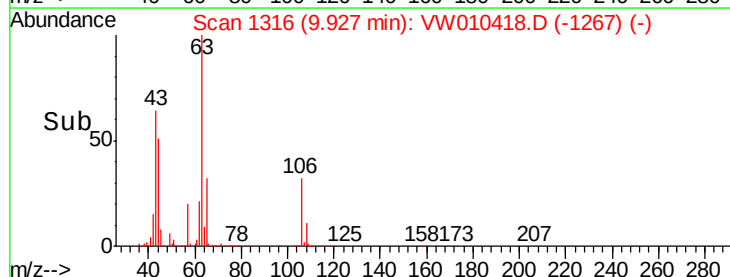
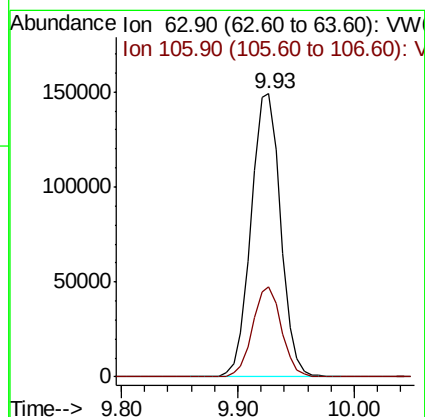
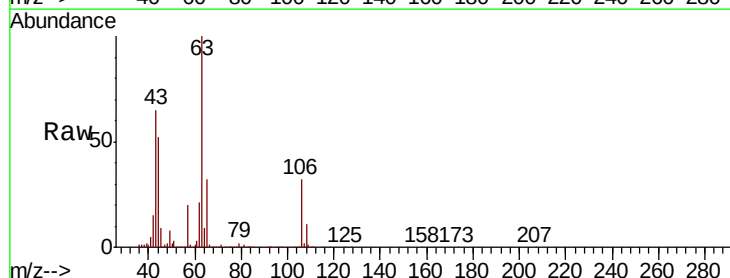
Acq: 17 May 2019 17:31

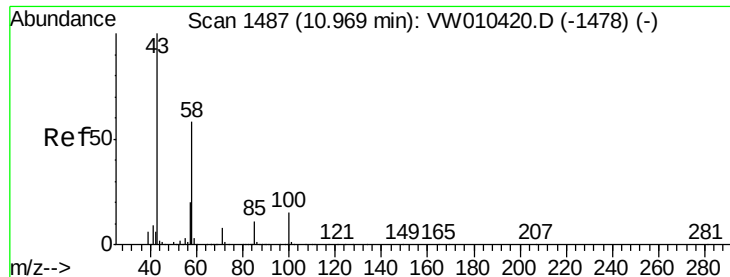
Tgt Ion: 63 Resp: 265086

Ion Ratio Lower Upper

63 100

106 31.3 25.2 37.8

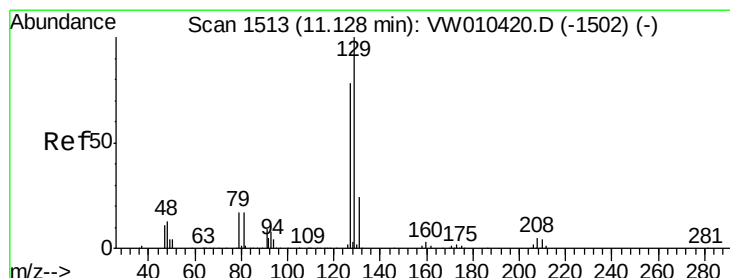
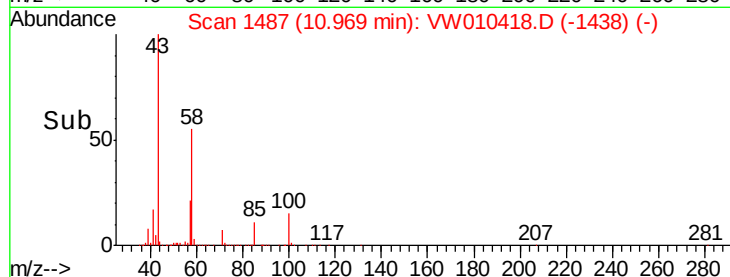
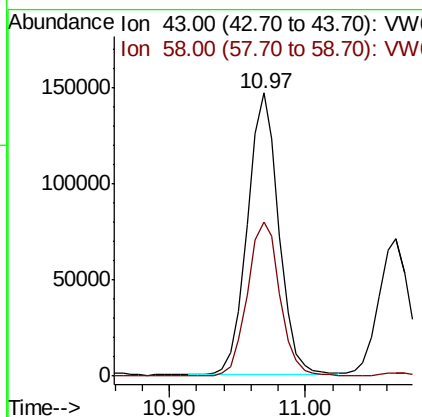
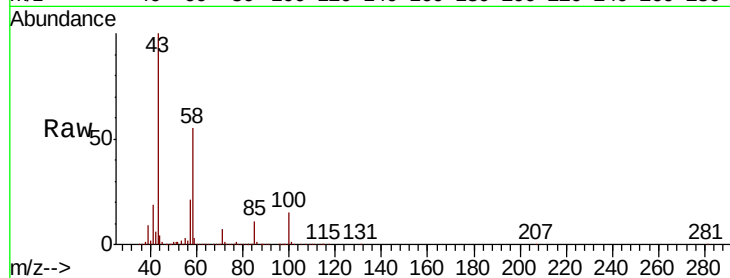




#59
2-Hexanone
Concen: 55.573 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

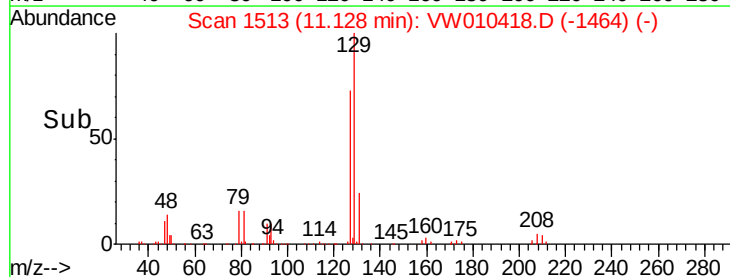
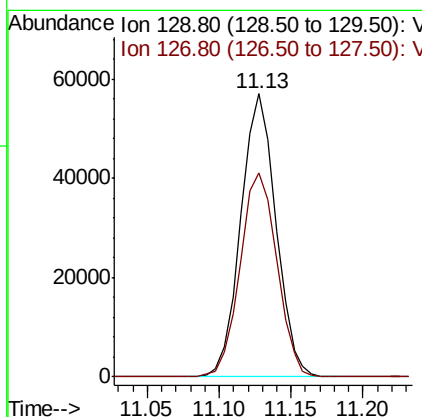
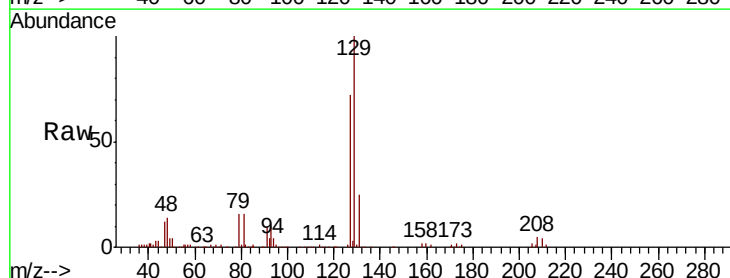
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

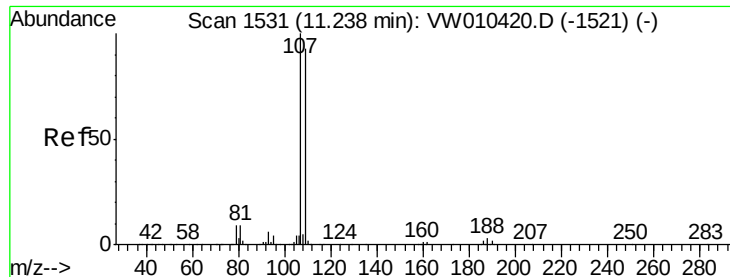
Tgt Ion: 43 Resp: 237264
Ion Ratio Lower Upper
43 100
58 56.8 28.5 85.6



#60
Dibromochloromethane
Concen: 11.225 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 129 Resp: 96432
Ion Ratio Lower Upper
129 100
127 75.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 11.571 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

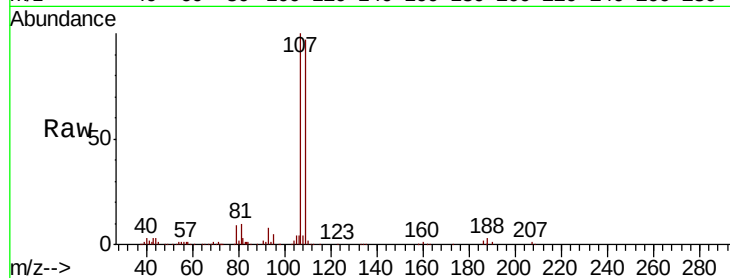
VSTDIC010

Tgt Ion: 107 Resp: 80307

Ion Ratio Lower Upper

107 100

109 92.5 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

40000

30000

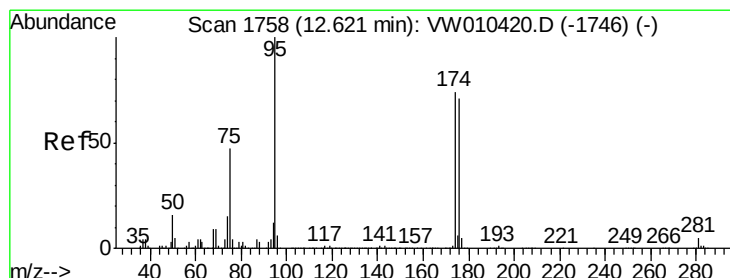
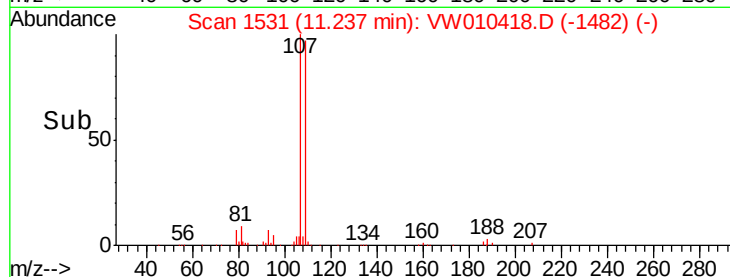
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 11.024 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

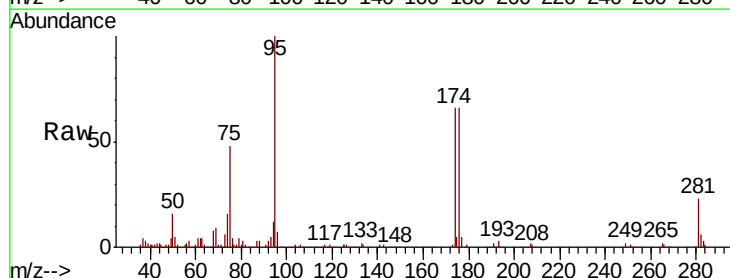
Tgt Ion: 95 Resp: 128607

Ion Ratio Lower Upper

95 100

174 68.9 0.0 146.6

176 65.9 0.0 141.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

100000

80000

60000

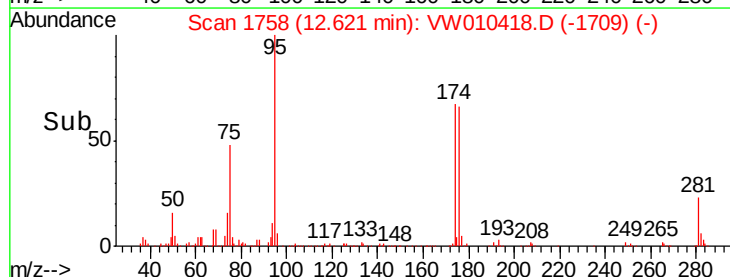
40000

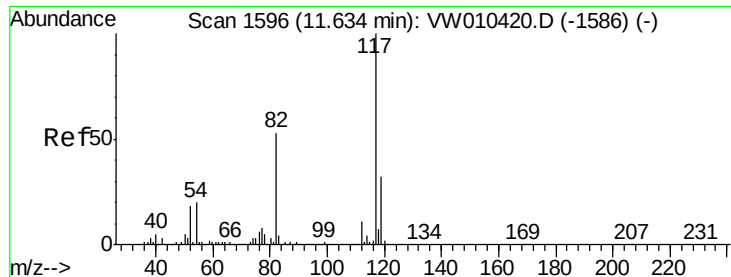
20000

0

Time-->

12.60 12.70

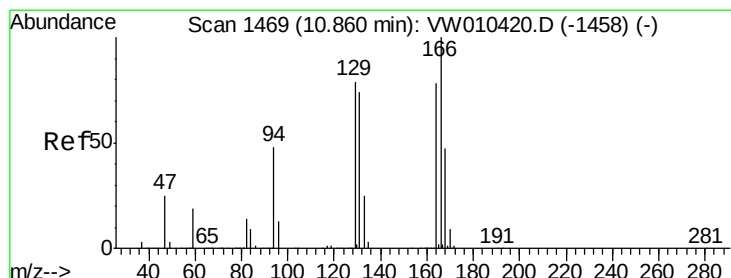
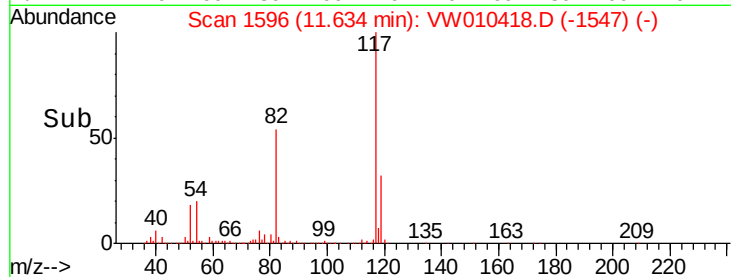
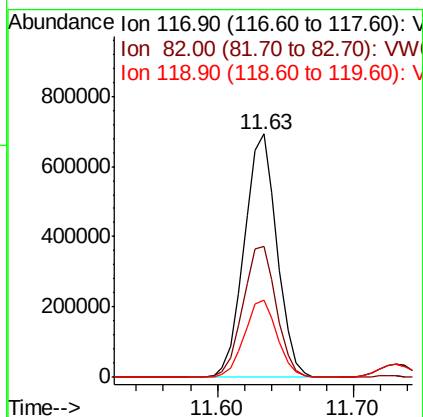
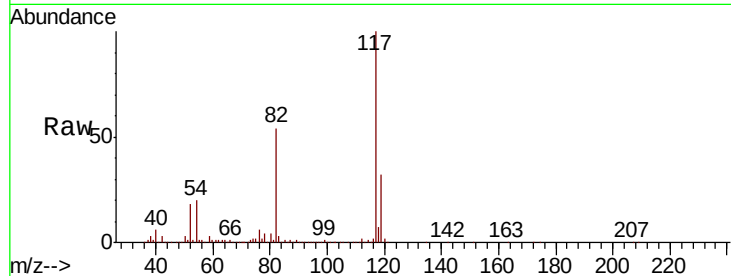




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

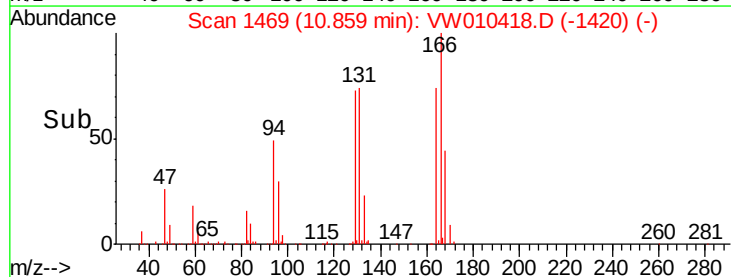
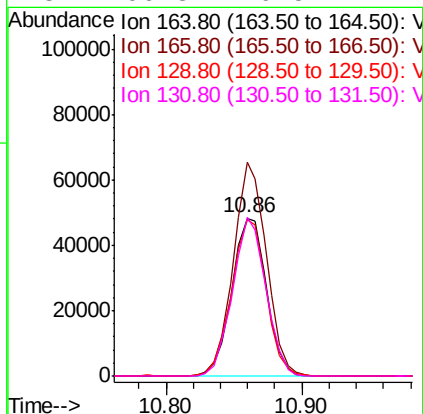
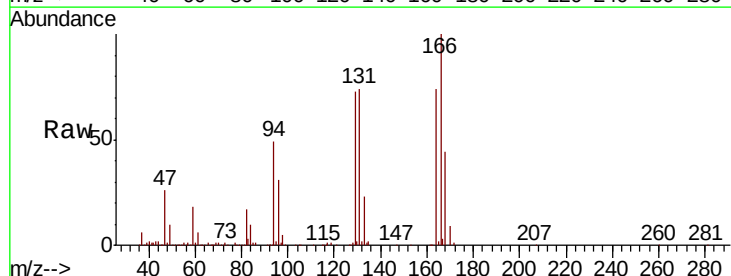
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

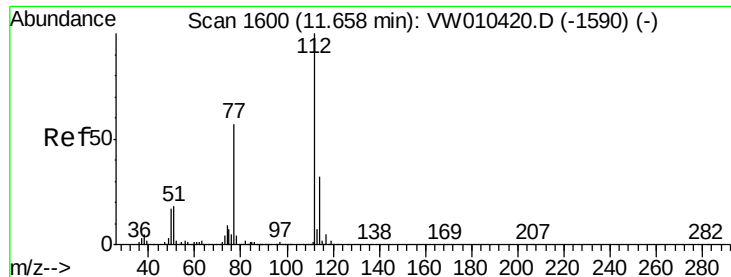
Tgt Ion:117 Resp: 1163173
Ion Ratio Lower Upper
117 100
82 53.5 42.1 63.1
119 31.5 25.6 38.4



#64
Tetrachloroethene
Concen: 11.142 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion:164 Resp: 85663
Ion Ratio Lower Upper
164 100
166 135.2 103.2 154.8
129 98.8 81.6 122.4
131 100.3 76.5 114.7

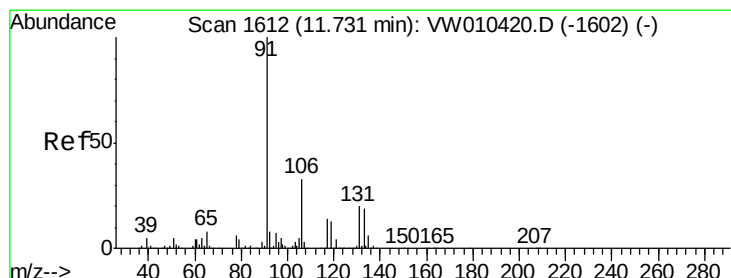
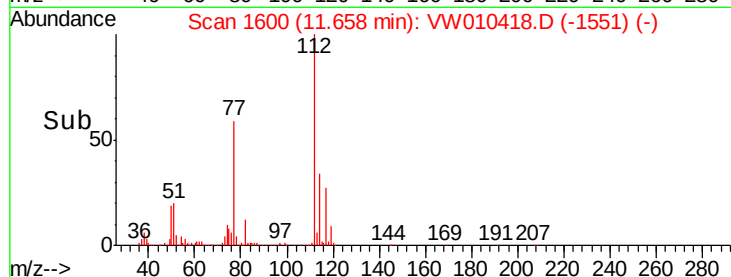
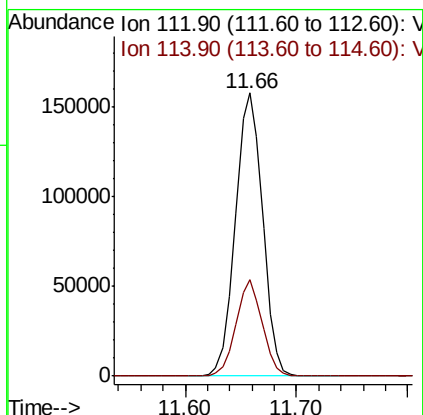
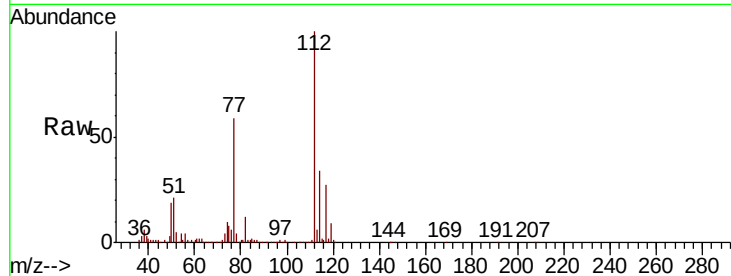




#65
Chlorobenzene
Concen: 11.525 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

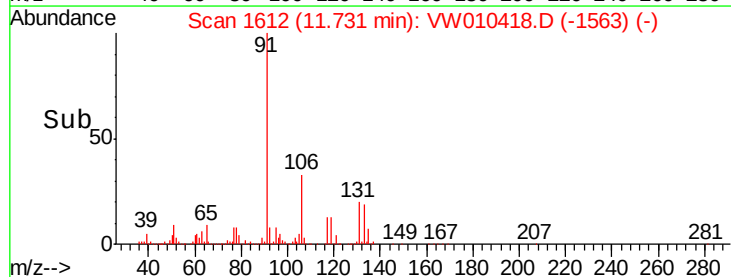
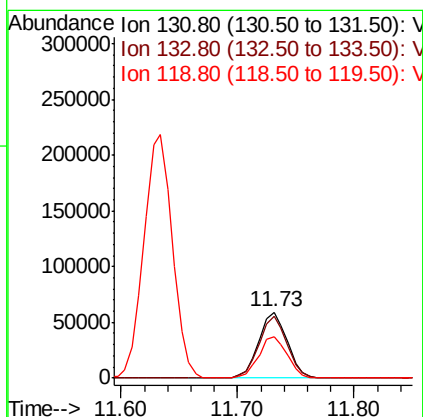
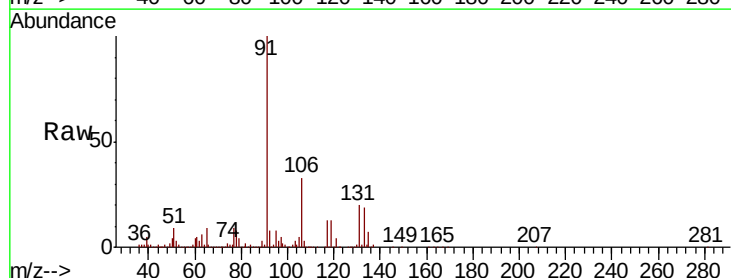
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

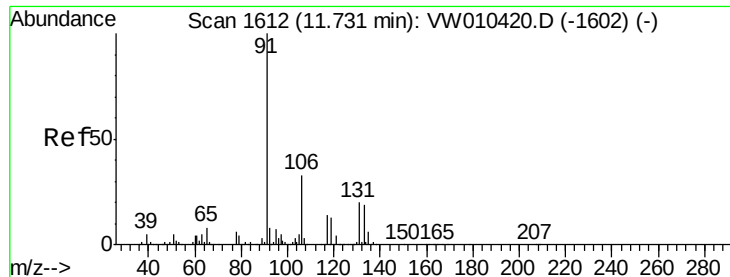
Tgt Ion:112 Resp: 265999
Ion Ratio Lower Upper
112 100
114 34.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 11.644 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion:131 Resp: 99517
Ion Ratio Lower Upper
131 100
133 93.8 48.3 144.8
119 64.3 32.4 97.0





#67

Ethyl Benzene

Concen: 11.573 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

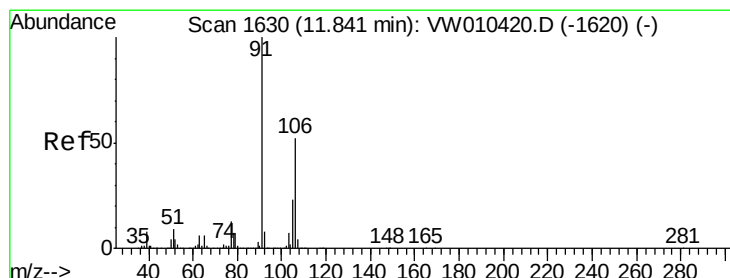
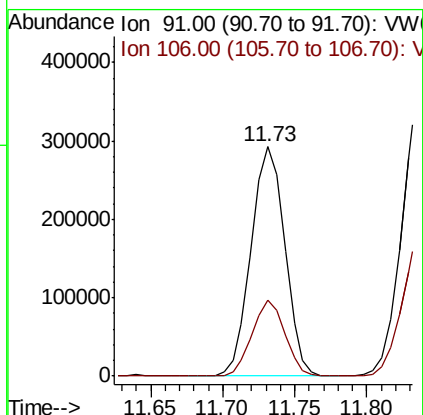
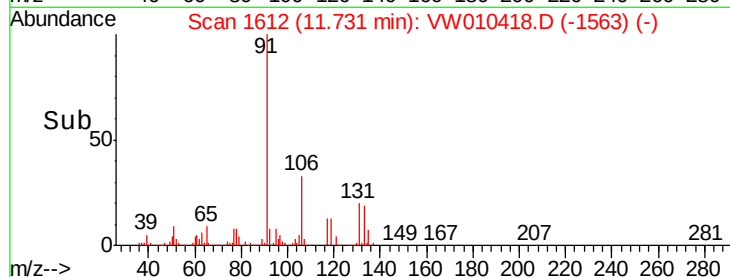
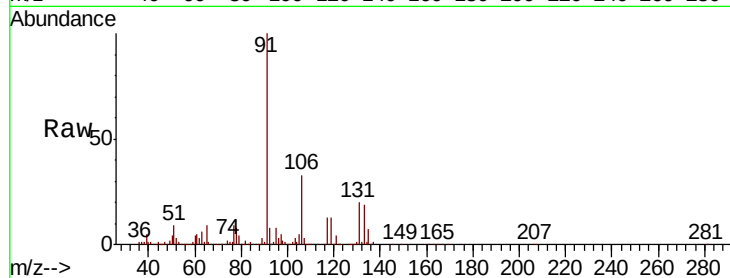
VSTDIC010

Tgt Ion: 91 Resp: 474355

Ion Ratio Lower Upper

91 100

106 33.2 26.5 39.7



#68

m/p-Xylenes

Concen: 23.116 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010418.D

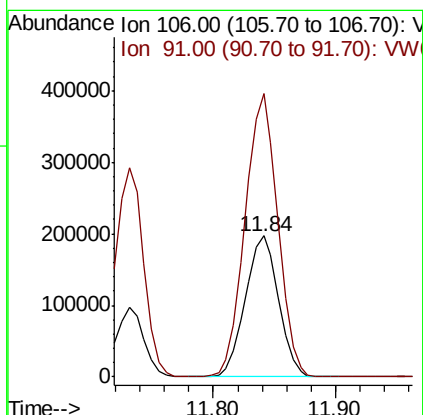
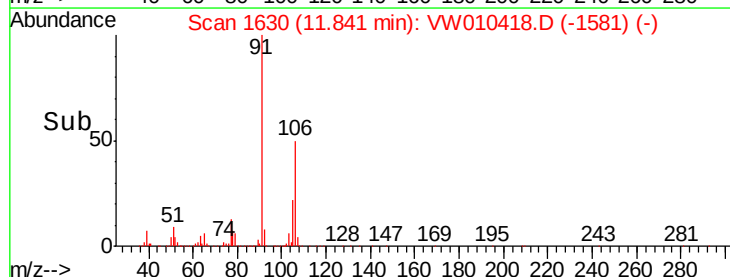
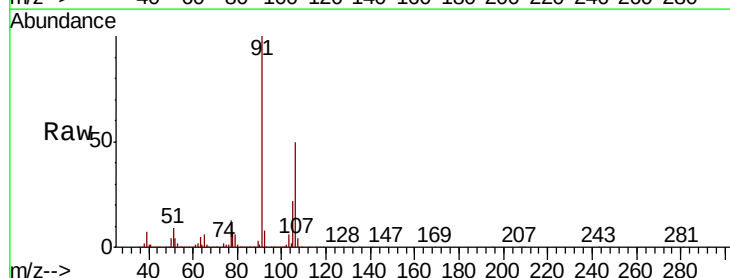
Acq: 17 May 2019 17:31

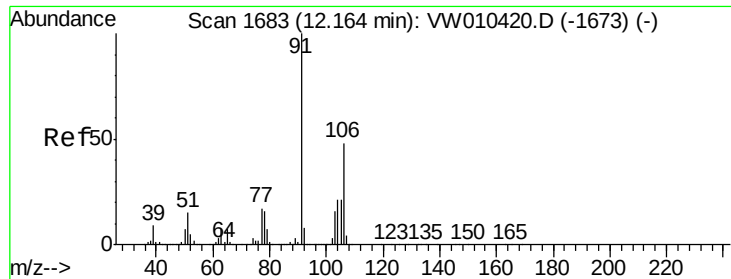
Tgt Ion: 106 Resp: 370736

Ion Ratio Lower Upper

106 100

91 198.3 156.2 234.2

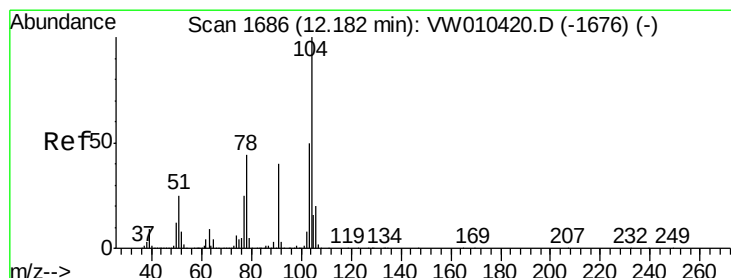
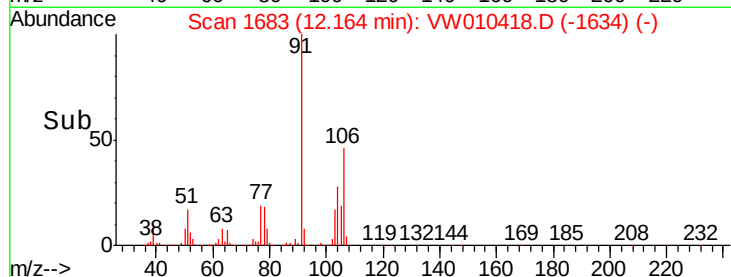
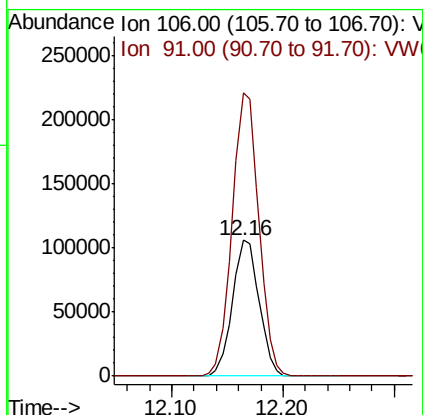
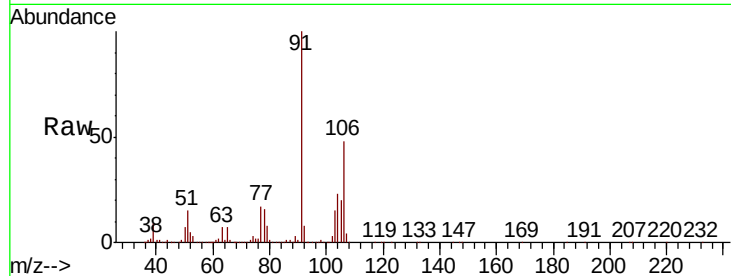




#69
o-Xylene
Concen: 11.355 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

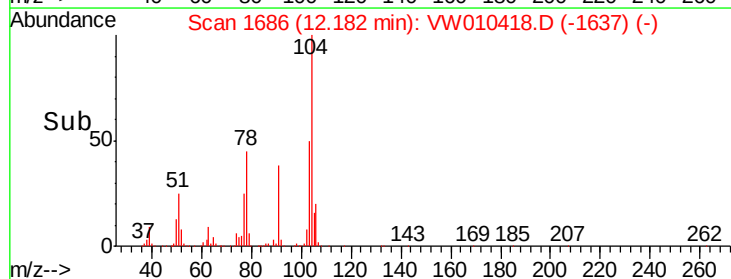
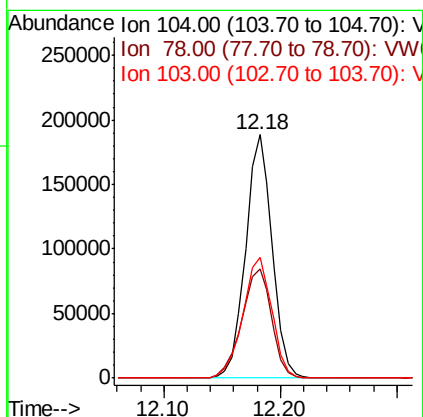
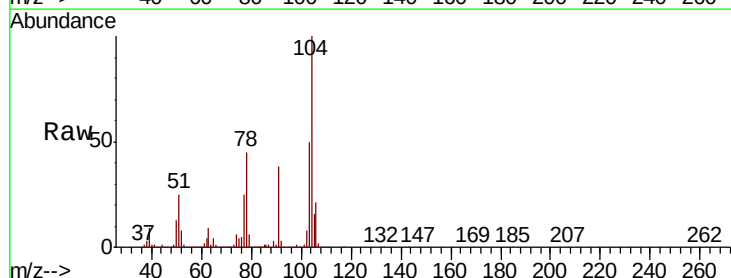
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

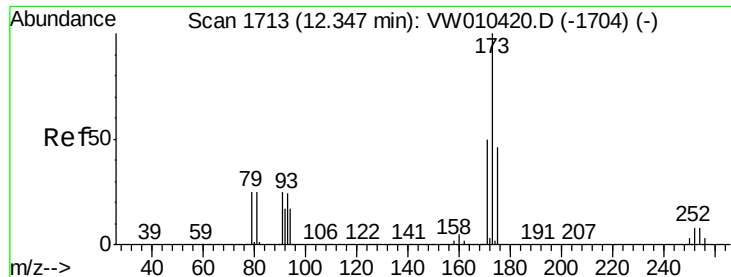
Tgt Ion:106 Resp: 175519
Ion Ratio Lower Upper
106 100
91 208.6 102.5 307.5



#70
Styrene
Concen: 11.122 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion:104 Resp: 298844
Ion Ratio Lower Upper
104 100
78 50.6 39.4 59.0
103 54.5 43.4 65.0





#71

Bromoform

Concen: 10.879 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

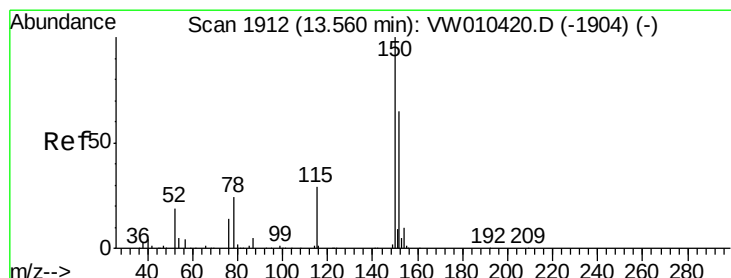
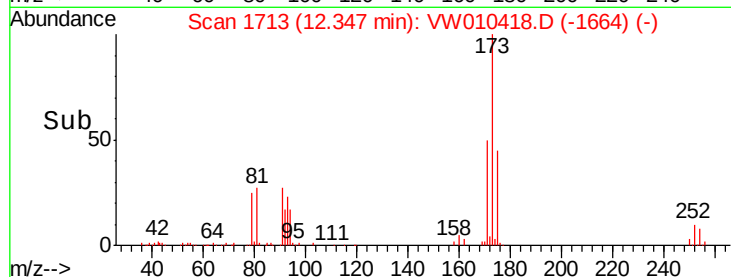
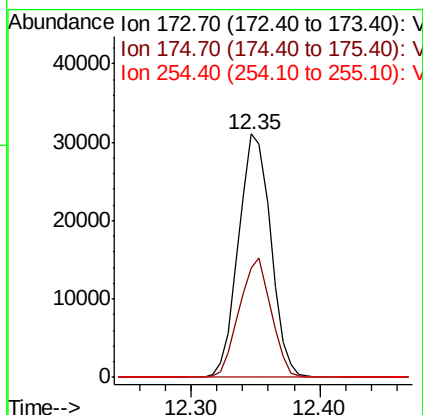
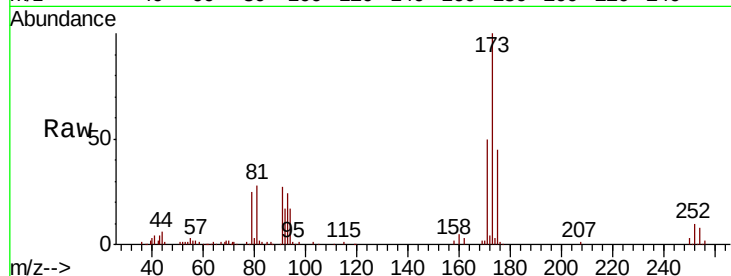
Tgt Ion:173 Resp: 53917

Ion Ratio Lower Upper

173 100

175 48.2 23.8 71.2

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

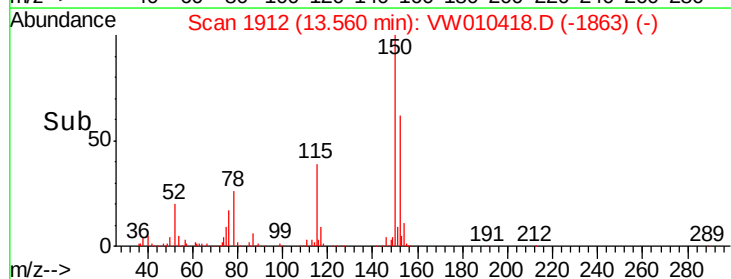
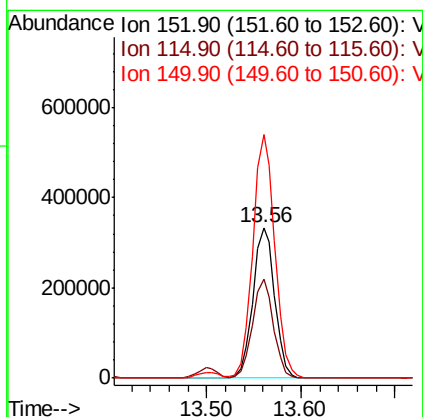
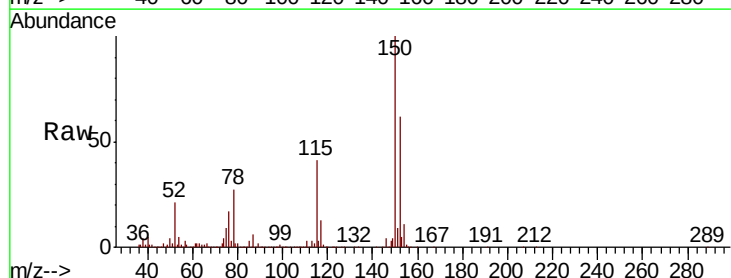
Tgt Ion:152 Resp: 541621

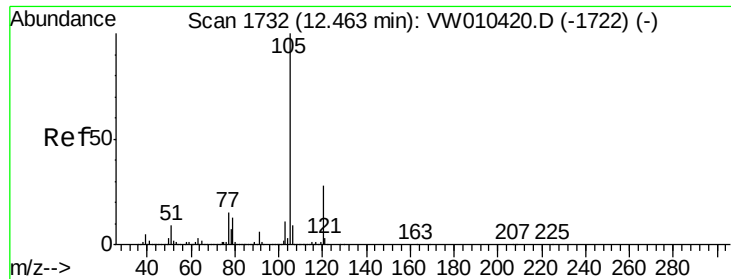
Ion Ratio Lower Upper

152 100

115 63.4 30.0 90.1

150 163.4 0.0 350.2





#73

Isopropylbenzene

Concen: 11.993 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

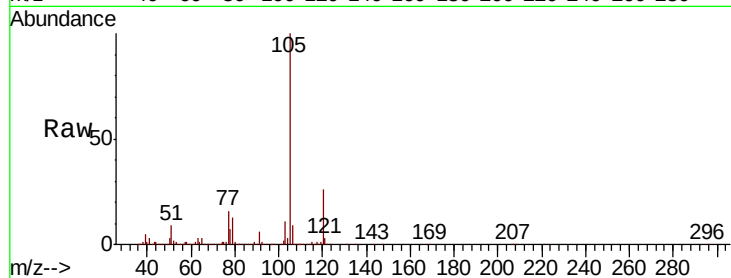
VSTDIC010

Tgt Ion:105 Resp: 473879

Ion Ratio Lower Upper

105 100

120 27.2 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

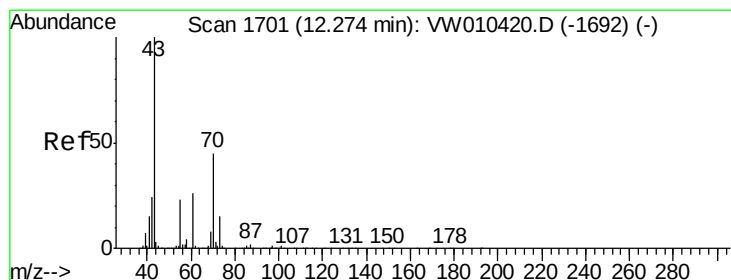
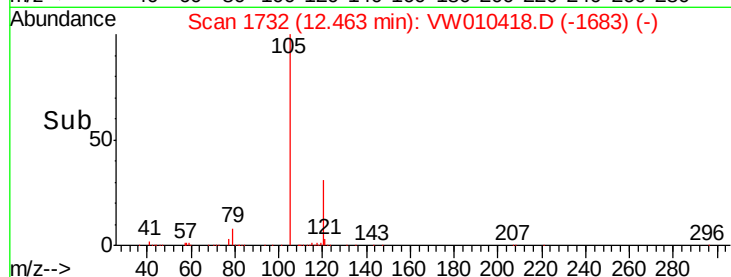
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 11.160 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion: 43 Resp: 122096

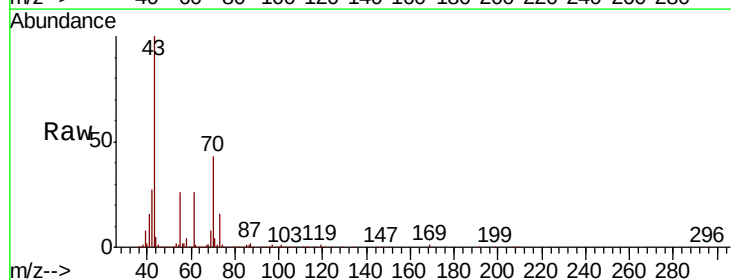
Ion Ratio Lower Upper

43 100

70 44.5 36.4 54.6

55 22.4 19.0 28.6

61 25.3 20.6 31.0



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

120000

100000

80000

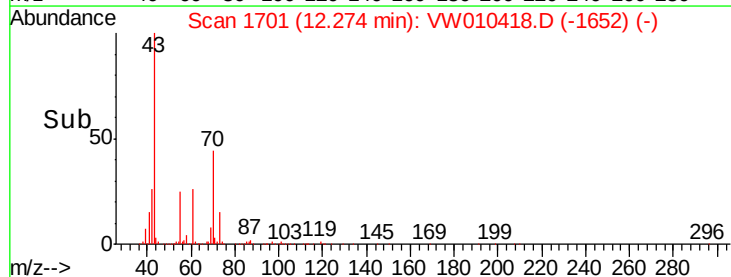
60000

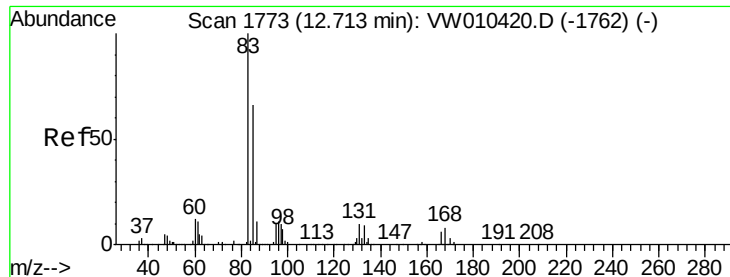
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 12.504 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

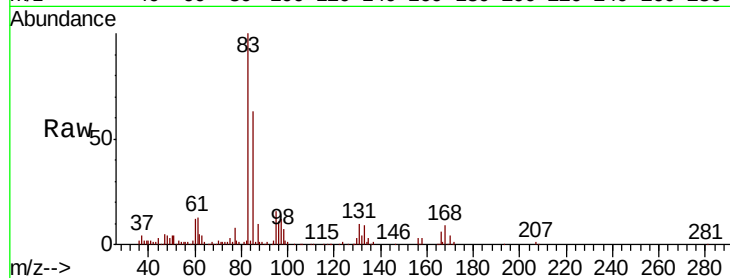
Tgt Ion: 83 Resp: 97099

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

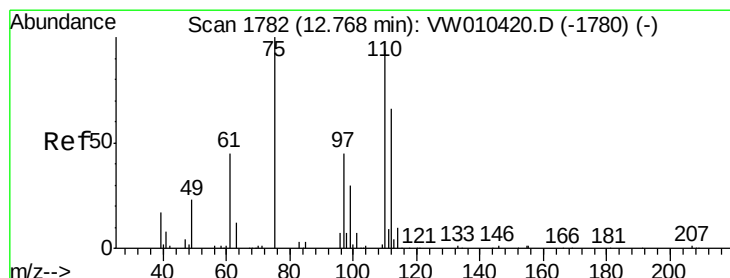
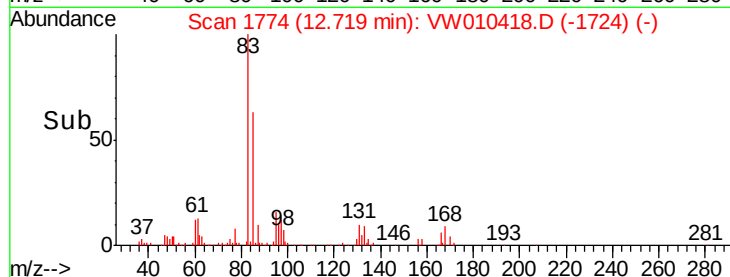
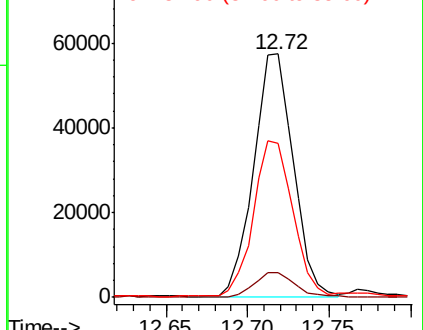
85 64.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.180 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010418.D

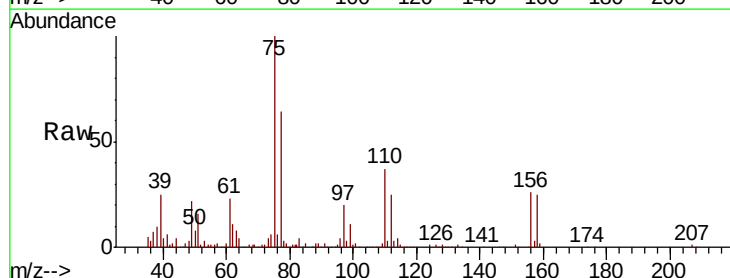
Acq: 17 May 2019 17:31

Tgt Ion: 75 Resp: 124824

Ion Ratio Lower Upper

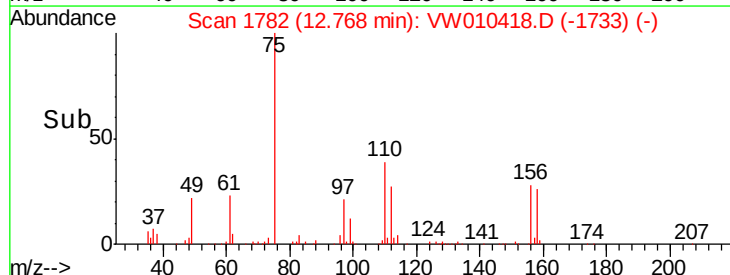
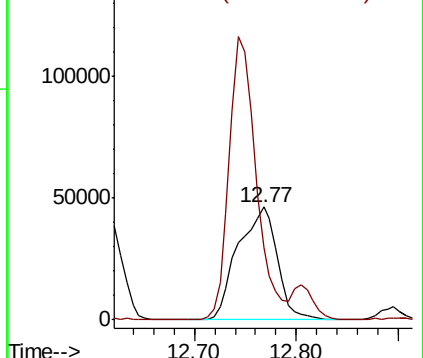
75 100

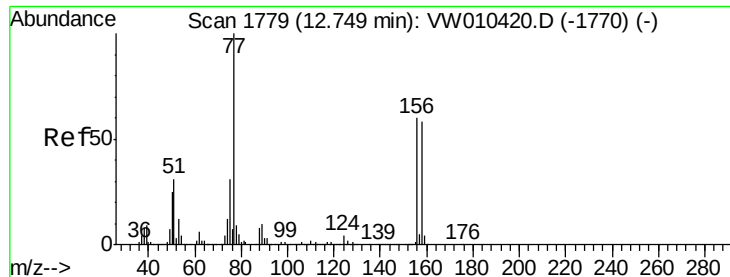
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 11.512 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

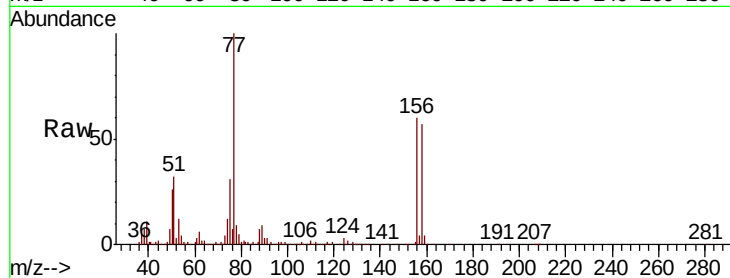
Tgt Ion:156 Resp: 104953

Ion Ratio Lower Upper

156 100

77 205.0 95.7 286.9

158 96.8 48.9 146.7

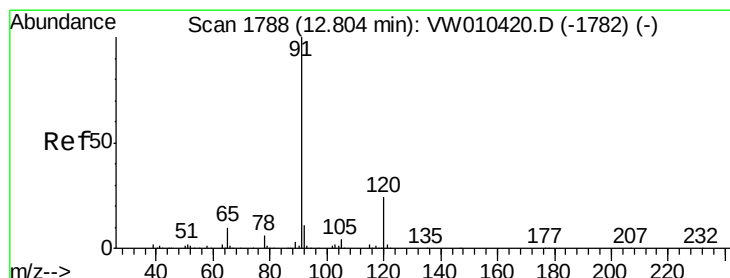
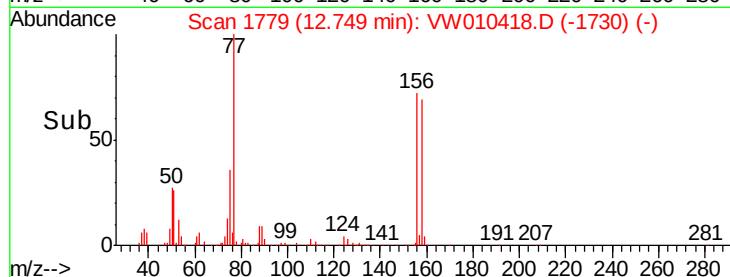
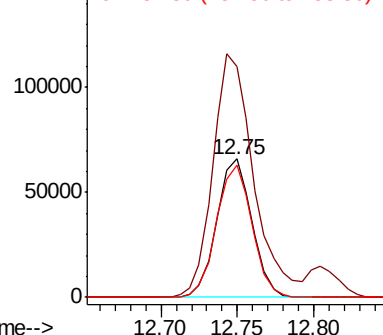


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 12.041 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010418.D

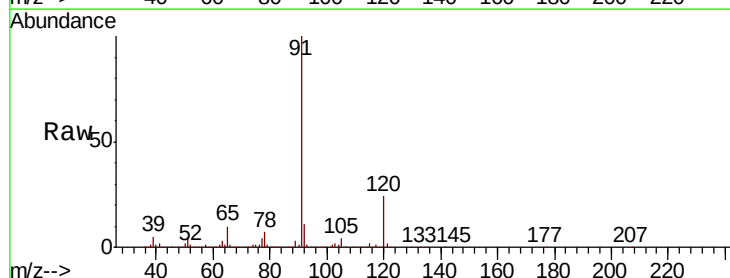
Acq: 17 May 2019 17:31

Tgt Ion: 91 Resp: 556371

Ion Ratio Lower Upper

91 100

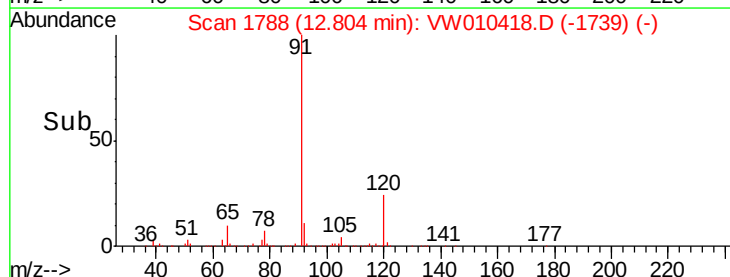
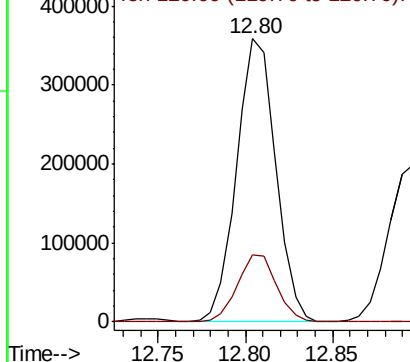
120 23.9 12.0 36.1

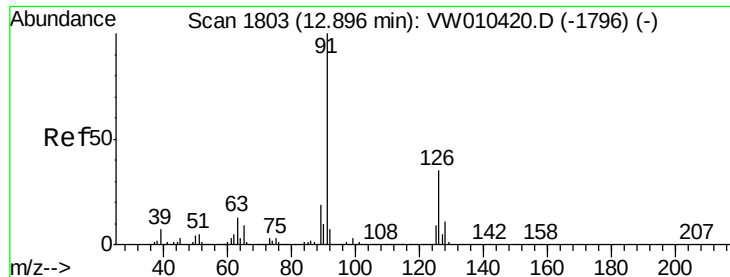


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 12.064 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

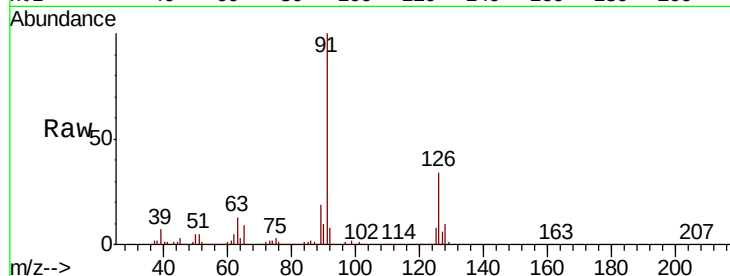
VSTDIC010

Tgt Ion: 91 Resp: 324136

Ion Ratio Lower Upper

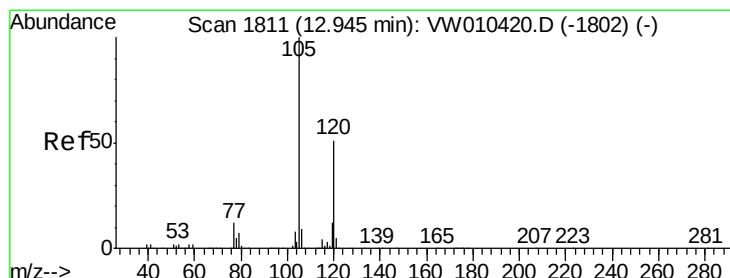
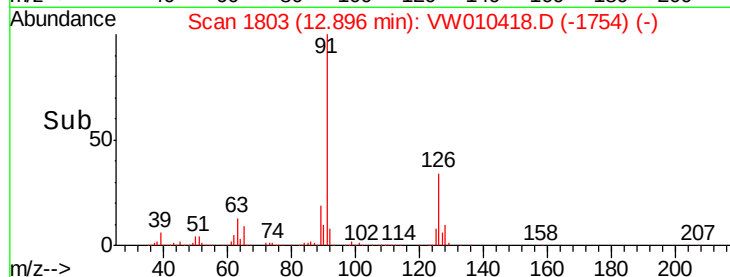
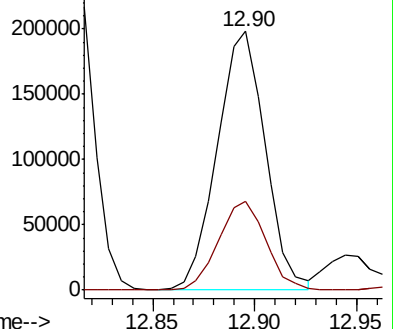
91 100

126 34.1 17.3 52.0



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: 11.871 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010418.D

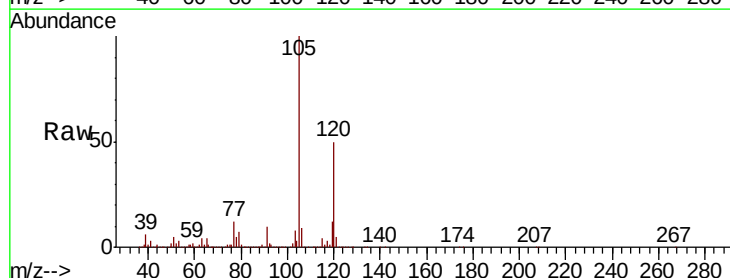
Acq: 17 May 2019 17:31

Tgt Ion: 105 Resp: 404211

Ion Ratio Lower Upper

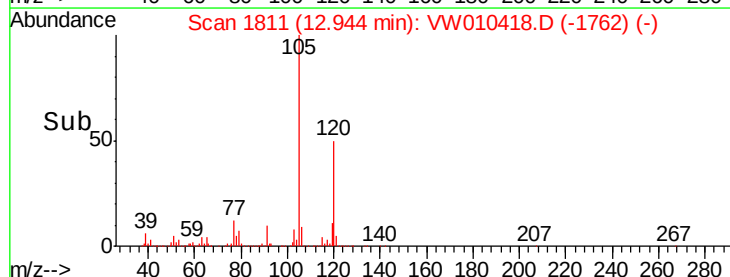
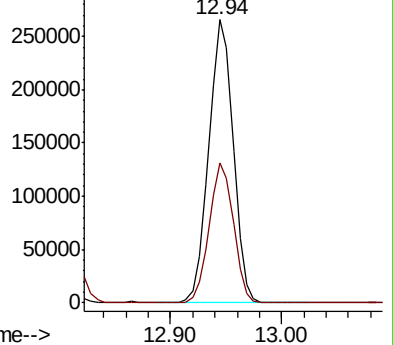
105 100

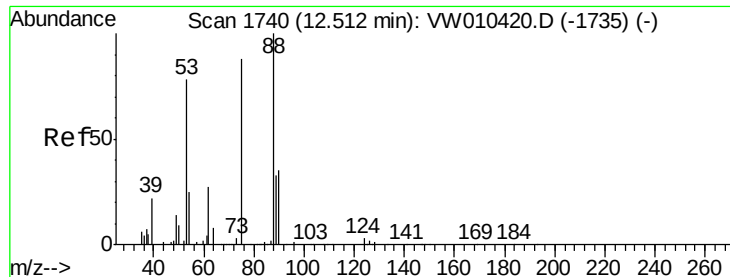
120 49.5 25.1 75.2



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: 12.102 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

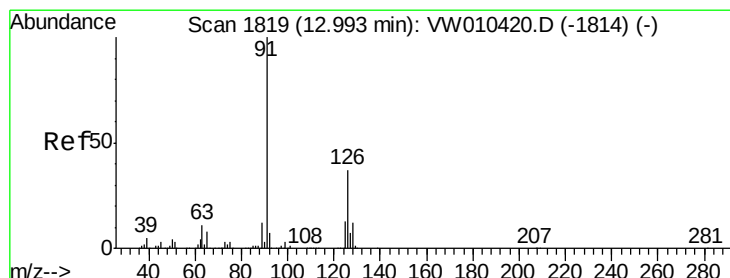
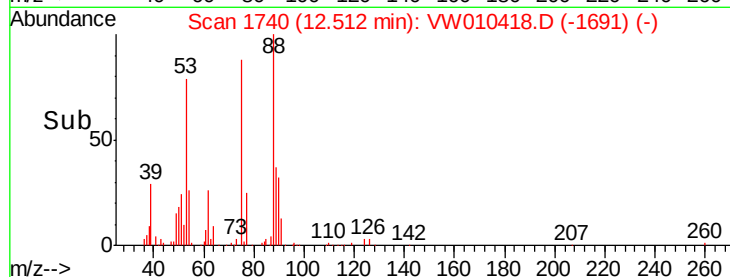
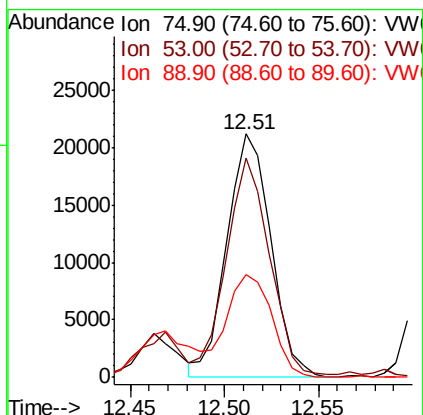
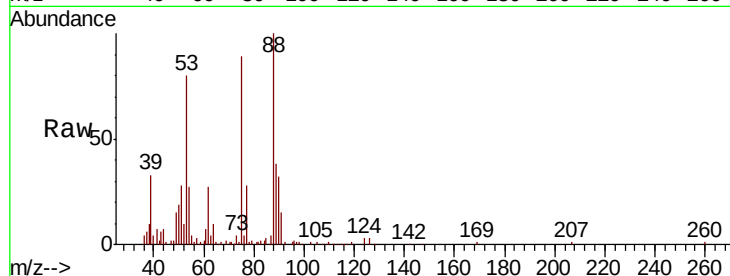
Tgt Ion: 75 Resp: 34306

Ion Ratio Lower Upper

75 100

53 87.2 70.7 106.1

89 44.2 38.6 58.0



#82

4-Chlorotoluene

Concen: 11.974 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010418.D

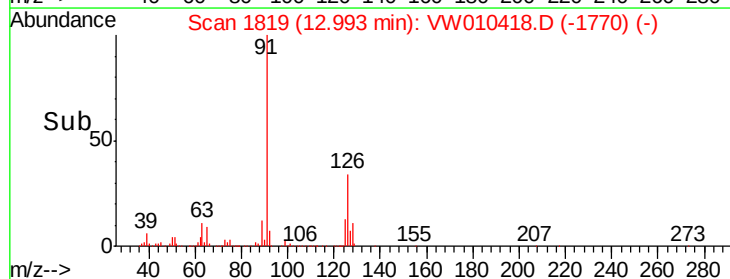
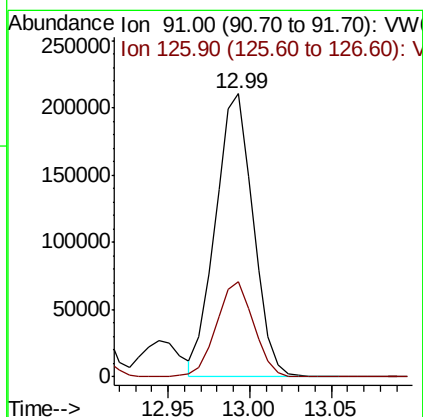
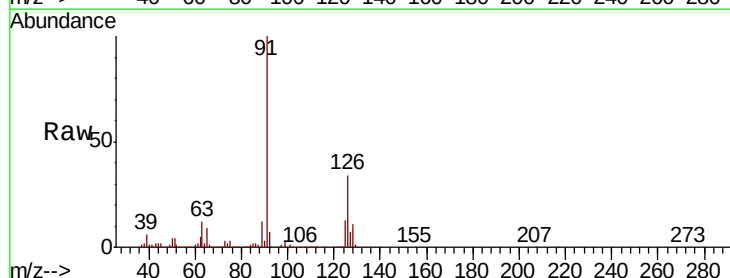
Acq: 17 May 2019 17:31

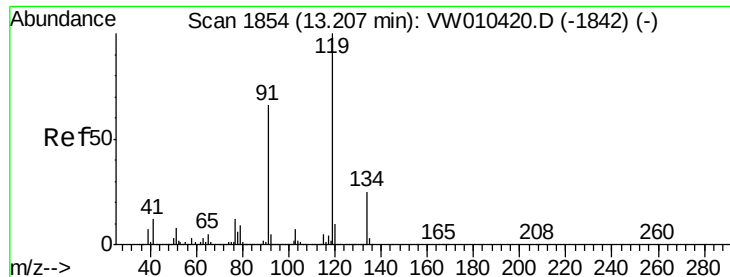
Tgt Ion: 91 Resp: 337558

Ion Ratio Lower Upper

91 100

126 33.4 17.4 52.2

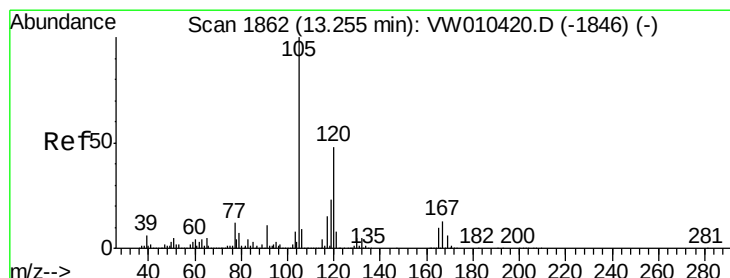
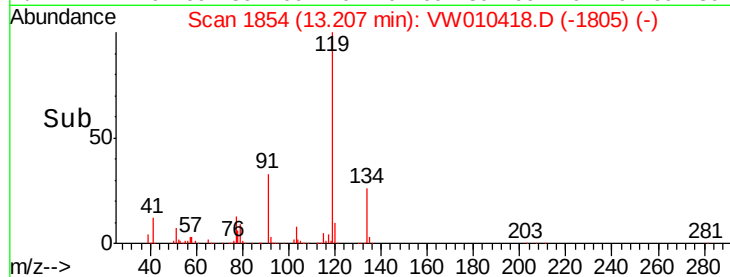
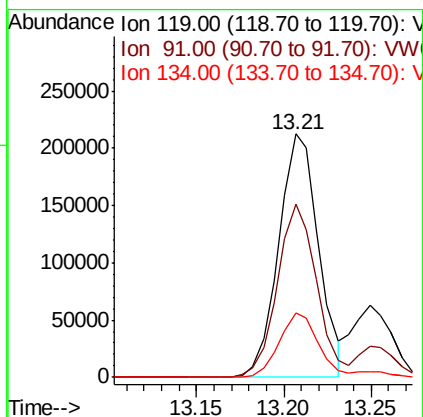
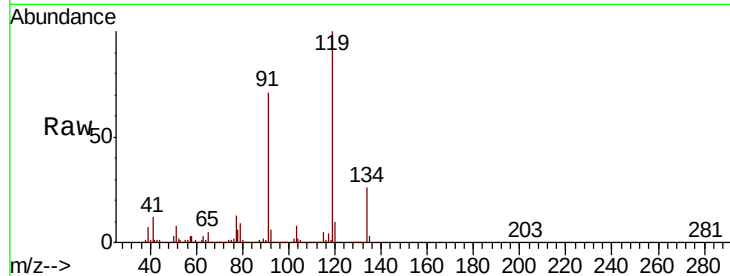




#83
 tert-Butylbenzene
 Concen: 11.783 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

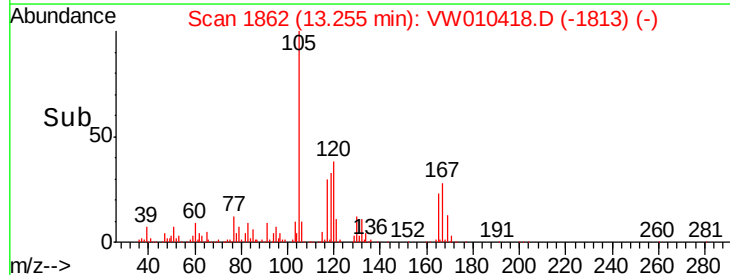
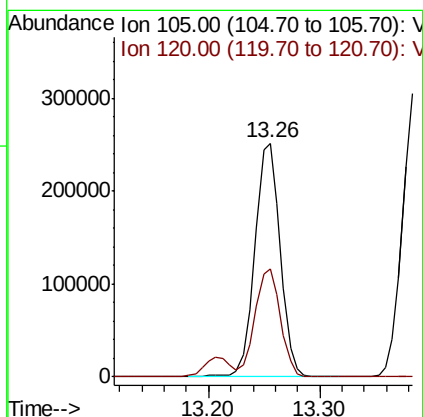
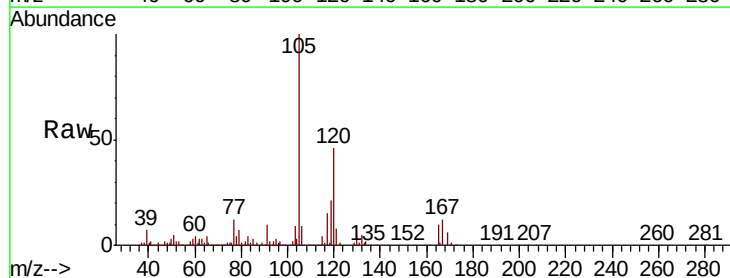
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

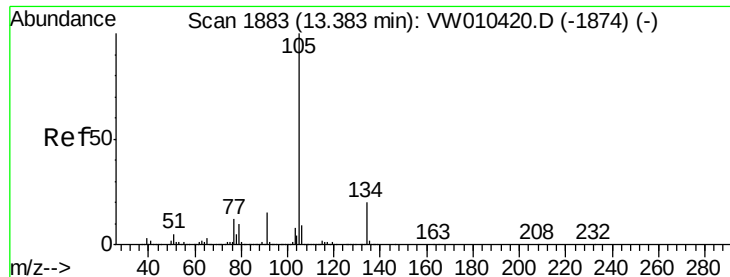
Tgt Ion:119 Resp: 338291
 Ion Ratio Lower Upper
 119 100
 91 70.1 33.5 100.5
 134 25.8 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 11.788 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion:105 Resp: 400295
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.0





#85

sec-Butylbenzene

Concen: 11.876 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

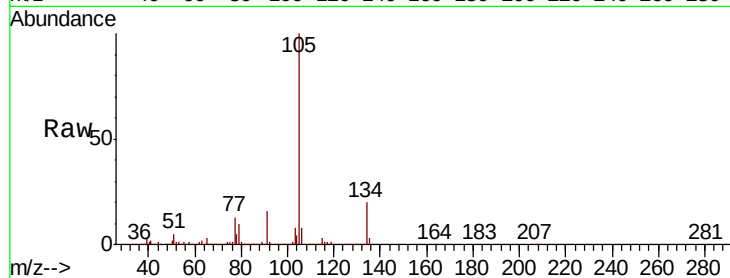
VSTDIC010

Tgt Ion:105 Resp: 482259

Ion Ratio Lower Upper

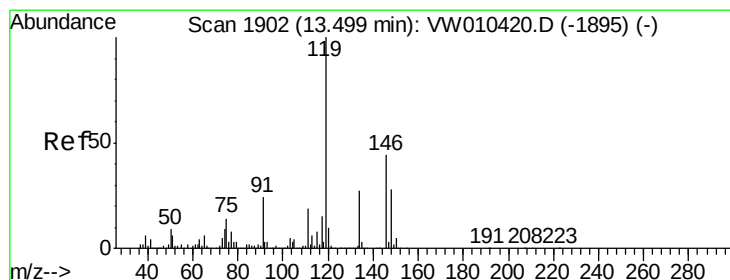
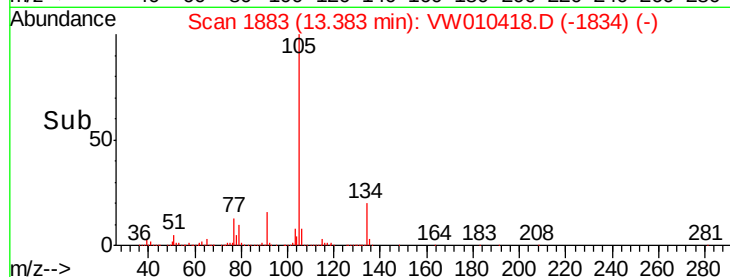
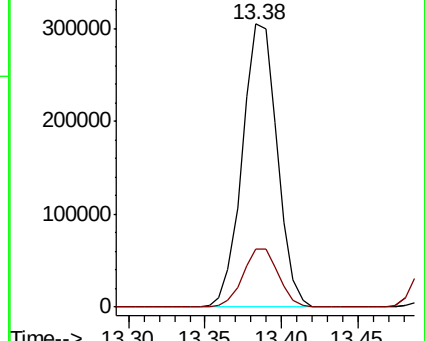
105 100

134 20.9 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 11.856 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

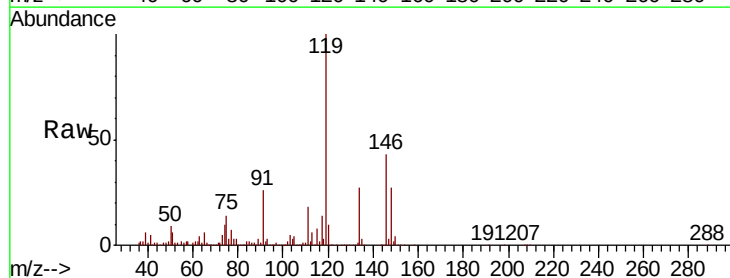
Tgt Ion:119 Resp: 438038

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

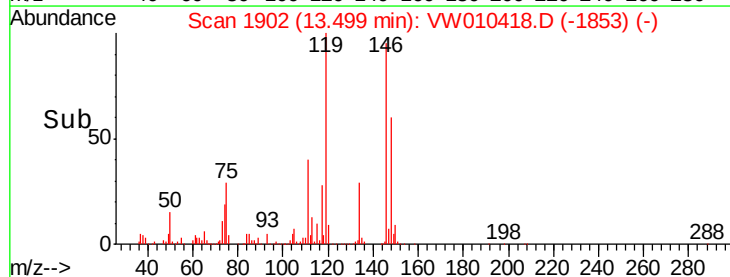
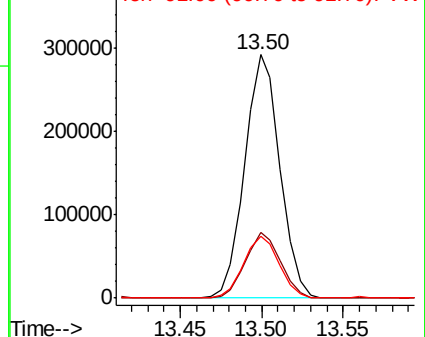
91 25.6 12.2 36.4

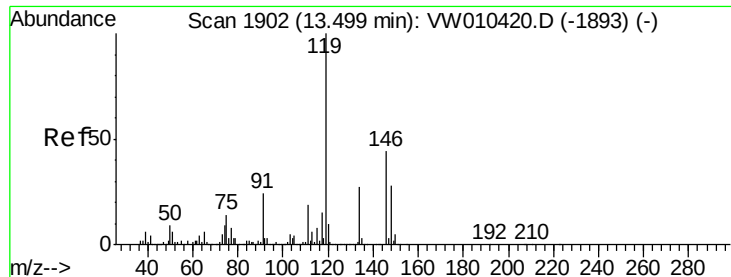


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 11.728 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

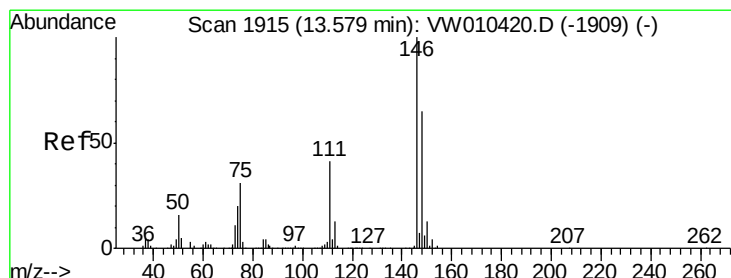
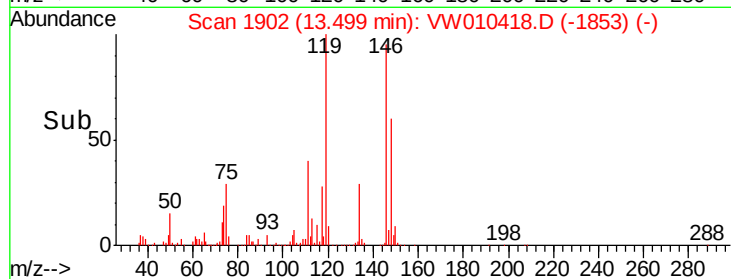
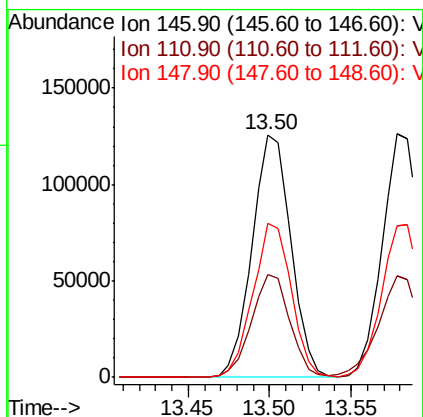
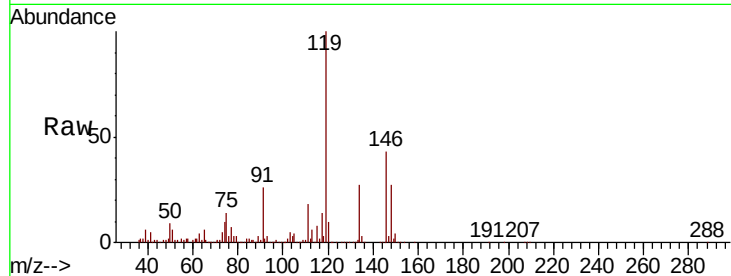
Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:146 Resp: 207936

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.4
148	62.7	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 11.685 ug/l

RT: 13.58 min Scan# 1915

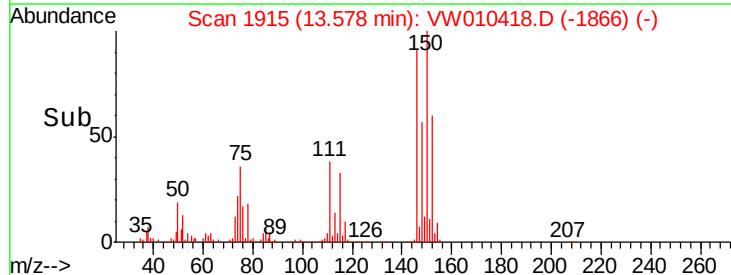
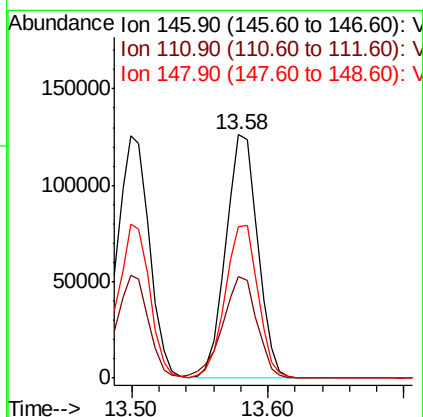
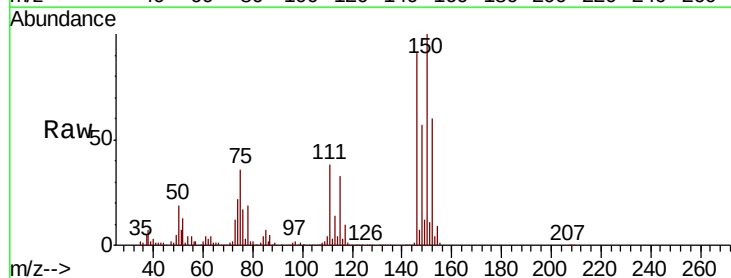
Delta R.T. -0.00 min

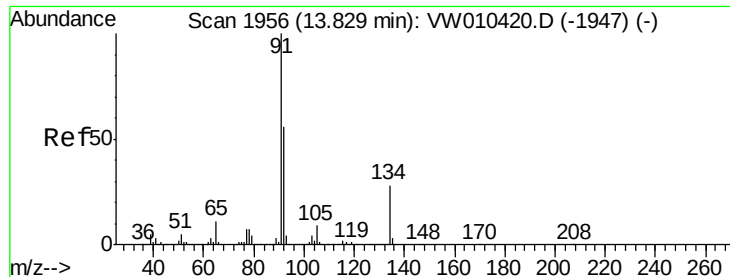
Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion:146 Resp: 206758

Ion	Ratio	Lower	Upper
146	100		
111	44.7	20.4	61.3
148	64.5	32.3	96.9

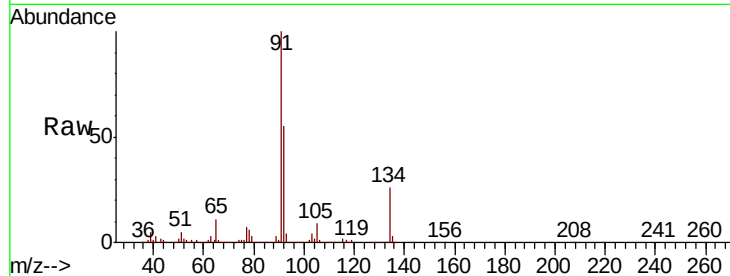




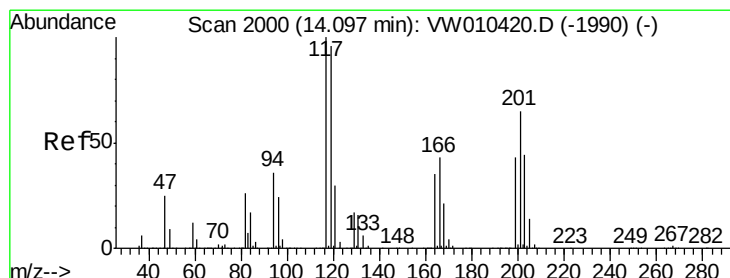
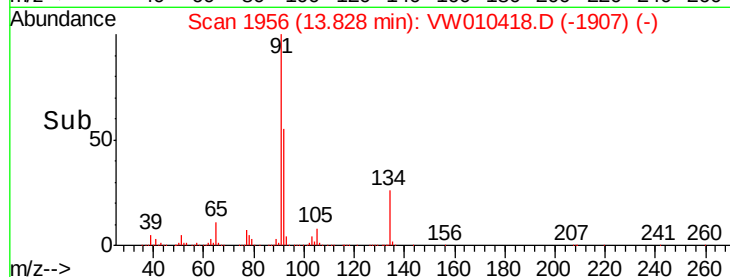
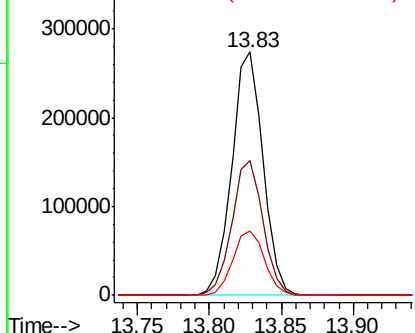
#89
n-Butylbenzene
Concen: 11.745 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 414163
Ion Ratio Lower Upper
91 100
92 55.4 27.7 83.0
134 27.0 13.8 41.3

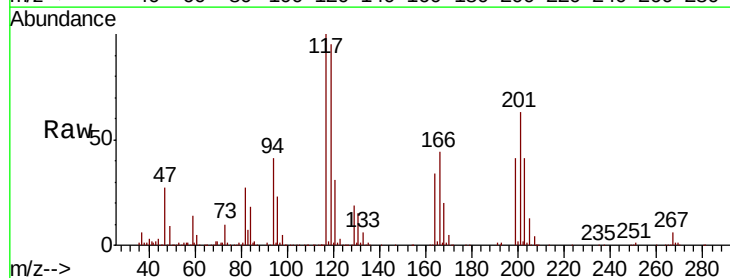


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V

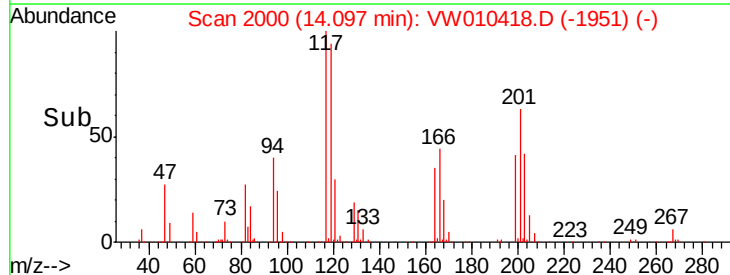
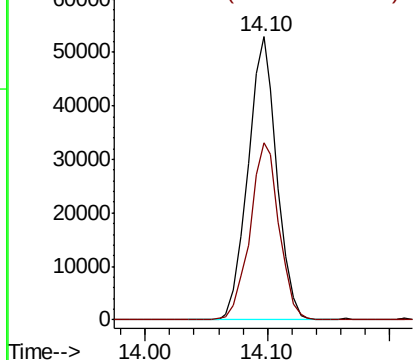


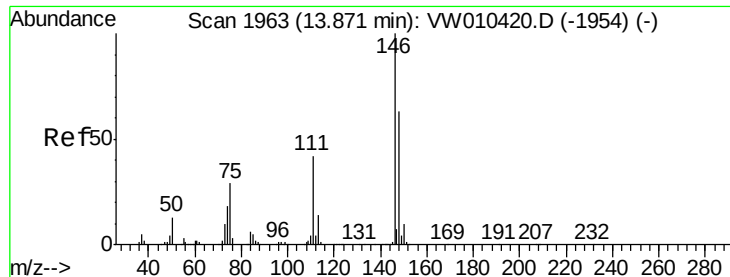
#90
Hexachloroethane
Concen: 11.832 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 117 Resp: 86548
Ion Ratio Lower Upper
117 100
201 63.3 33.8 101.4



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

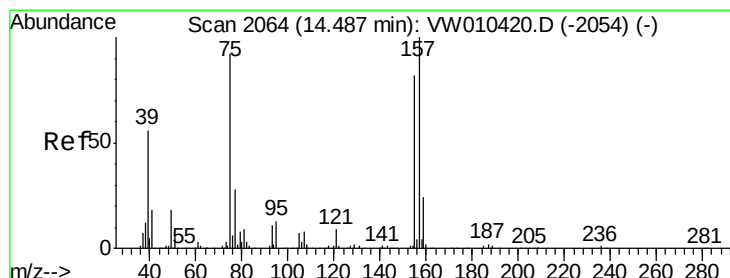
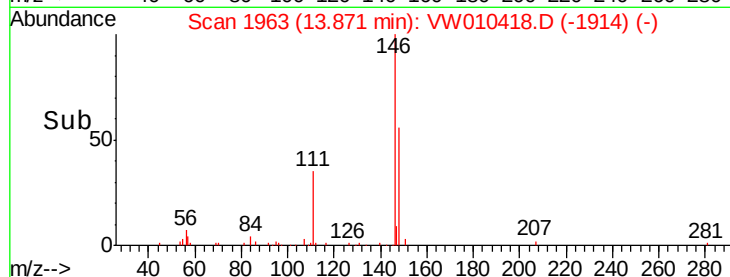
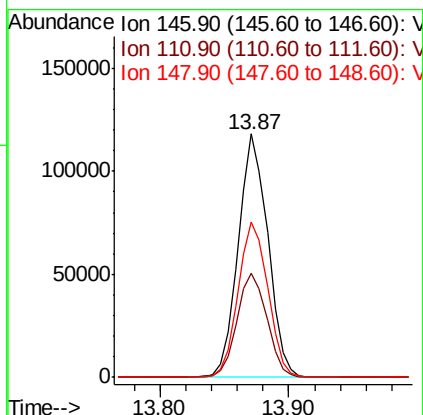
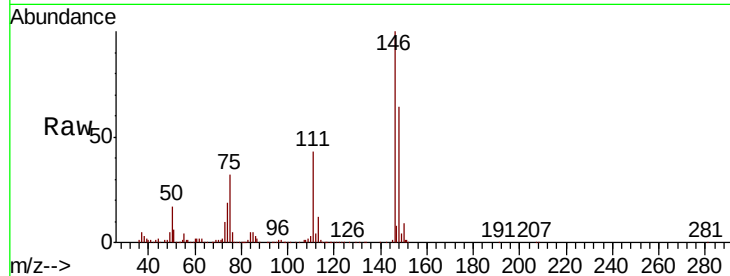




#91
 1,2-Dichlorobenzene
 Concen: 11.516 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

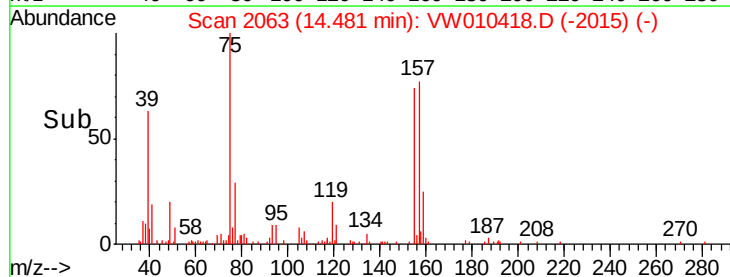
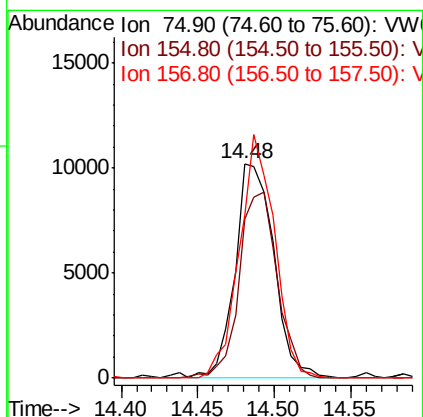
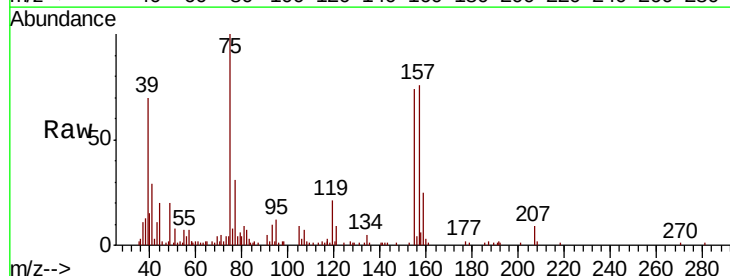
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

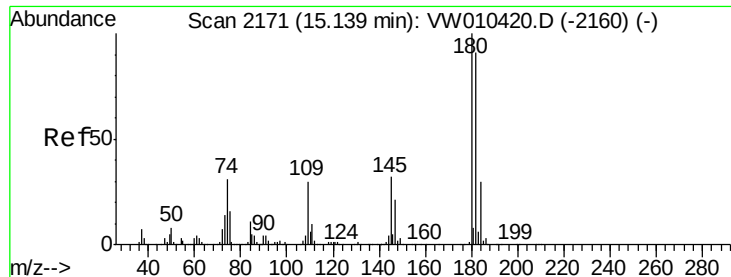
Tgt Ion: 146 Resp: 187418
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.3 63.7
 148 64.4 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.473 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion: 75 Resp: 18007
 Ion Ratio Lower Upper
 75 100
 155 85.0 43.5 130.7
 157 102.9 54.8 164.4

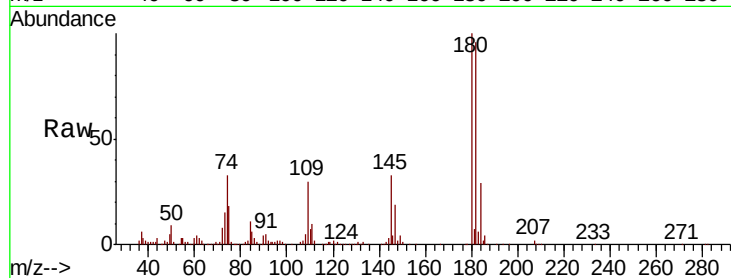




#93
 1,2,4-Trichlorobenzene
 Concen: 11.327 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.2
145	34.8	16.6	49.7

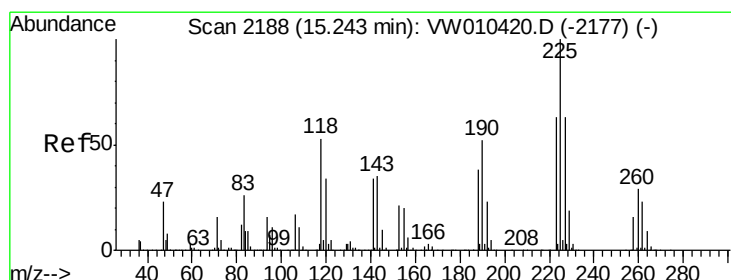
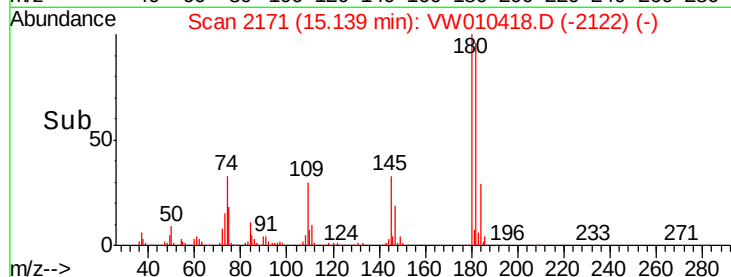
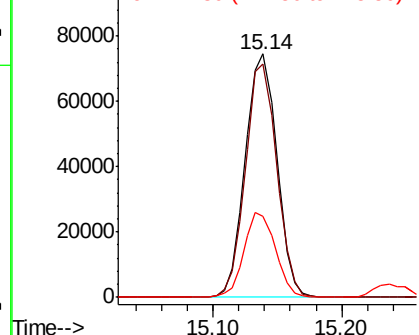


Abundance

Ion 179.80 (179.50 to 180.50): V

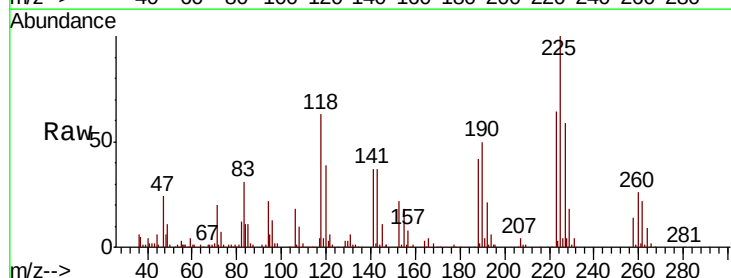
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 11.836 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	32.0	96.2
227	63.2	31.4	94.0

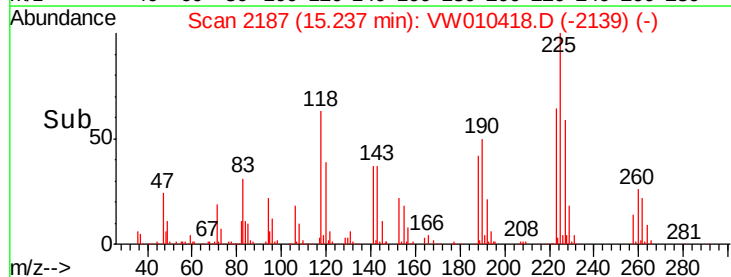
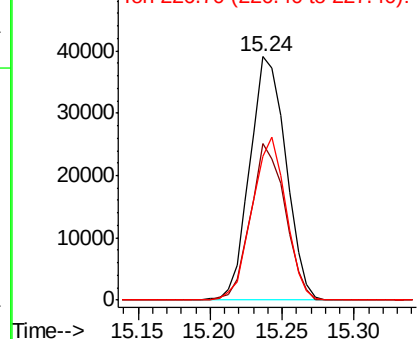


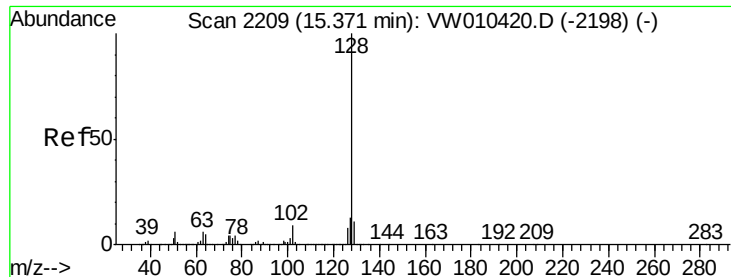
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

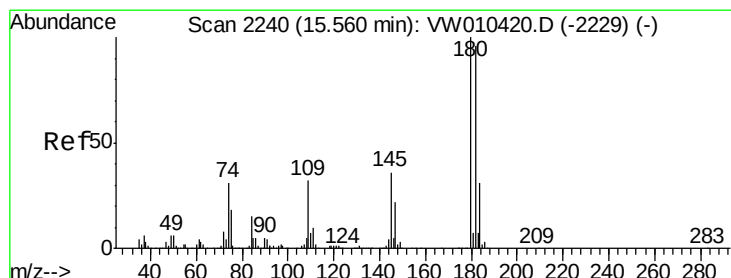
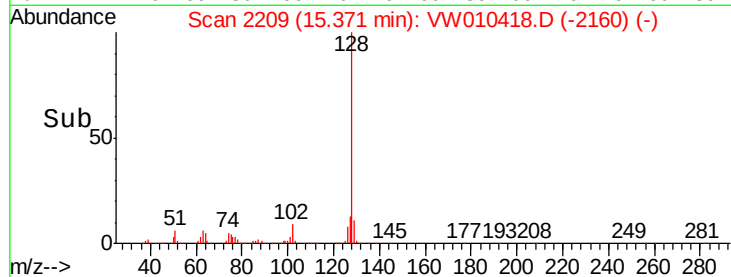
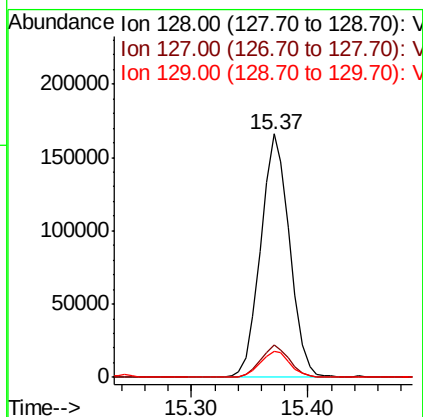
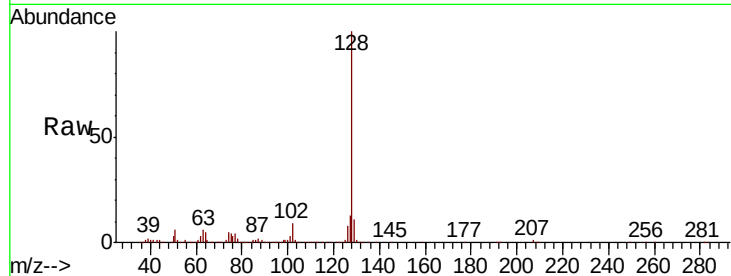




#95
Naphthalene
Concen: 11.515 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 11.134 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.6	142.9
145	36.0	17.8	53.5

