

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010678.D
 Acq On : 04 Jun 2019 16:08
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 05 02:32:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	384958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	321379	104.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.12%	
35) Dibromofluoromethane	7.88	113	255636	109.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.86%	
50) Toluene-d8	10.32	98	1051681	102.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.34%	
62) 4-Bromofluorobenzene	12.62	95	387662	104.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	219089	90.477	ug/l	99
3) Chloromethane	2.21	50	335814	94.260	ug/l	99
4) Vinyl Chloride	2.36	62	310651	94.378	ug/l	99
5) Bromomethane	2.74	94	158707	87.802	ug/l	98
6) Chloroethane	2.90	64	190024	96.177	ug/l	99
7) Trichlorofluoromethane	3.25	101	407164	95.292	ug/l	98
8) Diethyl Ether	3.68	74	151779	99.400	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	251859	95.875	ug/l	98
10) Methyl Iodide	4.26	142	276443	119.162	ug/l	99
11) Tert butyl alcohol	5.17	59	132608	527.022	ug/l	100
12) 1,1-Dichloroethene	4.03	96	243095	95.930	ug/l	99
13) Acrolein	3.89	56	51805	503.846	ug/l	98
14) Allyl chloride	4.67	41	563274	100.810	ug/l	100
15) Acrylonitrile	5.37	53	379041	510.962	ug/l	99
16) Acetone	4.12	43	459443	555.170	ug/l	99
17) Carbon Disulfide	4.37	76	799283	99.360	ug/l	99
18) Methyl Acetate	4.67	43	180140	101.121	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	738868	101.095	ug/l	99
20) Methylene Chloride	4.92	84	272796	93.964	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	280361	97.459	ug/l	97
22) Diisopropyl ether	6.31	45	1117000	99.855	ug/l	100
23) Vinyl Acetate	6.26	43	3485956	516.372	ug/l	99
24) 1,1-Dichloroethane	6.21	63	553590	98.751	ug/l	99
25) 2-Butanone	7.17	43	611746	533.093	ug/l	99
26) 2,2-Dichloropropane	7.17	77	444583	97.460	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	311708	98.460	ug/l	99
28) Bromochloromethane	7.51	49	259233	103.619	ug/l	99
29) Tetrahydrofuran	7.53	42	369748	512.261	ug/l	100
30) Chloroform	7.68	83	505268	98.539	ug/l	100
31) Cyclohexane	7.95	56	570664	91.575	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	442359	98.761	ug/l	99
36) 1,1-Dichloropropene	8.08	75	427110	96.951	ug/l	100
37) Ethyl Acetate	7.25	43	249689	102.281	ug/l	99
38) Carbon Tetrachloride	8.07	117	376835	99.089	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	538258	96.113	ug/l	100
40) Benzene	8.32	78	1169175	97.284	ug/l	99
41) Methacrylonitrile	7.48	41	148196	102.130	ug/l	99
42) 1,2-Dichloroethane	8.40	62	376873	98.805	ug/l	100
43) Isopropyl Acetate	8.42	43	485639	102.971	ug/l	99
44) Trichloroethene	9.09	130	288746	97.398	ug/l	98
45) 1,2-Dichloropropane	9.37	63	313905	98.670	ug/l	99
46) Dibromomethane	9.46	93	147059	99.521	ug/l	99
47) Bromodichloromethane	9.65	83	393228	102.661	ug/l	98
48) Methyl methacrylate	9.44	41	238131	104.722	ug/l	100
49) 1,4-Dioxane	9.45	88	48582	2102.880	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1246922	517.522	ug/l	100
52) Toluene	10.39	92	725004	98.046	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	423770	104.452	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	492495	103.161	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	211608	99.406	ug/l	99
56) Ethyl methacrylate	10.65	69	341728	104.327	ug/l	99
57) 1,3-Dichloropropane	10.93	76	401256	100.022	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	888092	517.639	ug/l	100
59) 2-Hexanone	10.97	43	923731	530.473	ug/l	100
60) Dibromochloromethane	11.13	129	247331	104.812	ug/l	99
61) 1,2-Dibromoethane	11.24	107	206050	102.162	ug/l	98
64) Tetrachloroethene	10.87	164	249203	97.499	ug/l	98
65) Chlorobenzene	11.66	112	737932	97.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	264048	100.761	ug/l	99
67) Ethyl Benzene	11.73	91	1412893	97.115	ug/l	100
68) m/p-Xylenes	11.84	106	1022477	196.326	ug/l	99
69) o-Xylene	12.17	106	487384	98.672	ug/l	100
70) Styrene	12.18	104	861670	100.422	ug/l	99
71) Bromoform	12.35	173	145355	107.250	ug/l #	100
73) Isopropylbenzene	12.46	105	1343623	95.545	ug/l	100
74) N-amyl acetate	12.27	43	469765	103.361	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	262384	98.007	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	354087	132.076	ug/l #	100
77) Bromobenzene	12.75	156	296992	96.750	ug/l	99
78) n-propylbenzene	12.80	91	1617615	95.395	ug/l	100
79) 2-Chlorotoluene	12.90	91	922711	95.245	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1100703	95.625	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	91015	106.442	ug/l	98
82) 4-Chlorotoluene	12.99	91	958246	95.850	ug/l	99
83) tert-Butylbenzene	13.21	119	926218	94.814	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1106653	95.541	ug/l	100
85) sec-Butylbenzene	13.38	105	1344469	94.527	ug/l	99
86) p-Isopropyltoluene	13.50	119	1222769	96.137	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	570664	96.400	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	560565	95.517	ug/l	99
89) n-Butylbenzene	13.83	91	1216668	95.873	ug/l	100
90) Hexachloroethane	14.10	117	225854	99.155	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	510729	95.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47343	102.980	ug/l	100

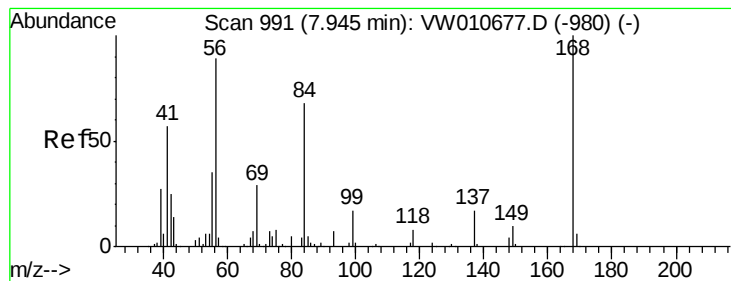
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	372039	99.586	ug/l	99
94) Hexachlorobutadiene	15.24	225	228600	97.499	ug/l	98
95) Naphthalene	15.37	128	708723	104.415	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	318517	100.253	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

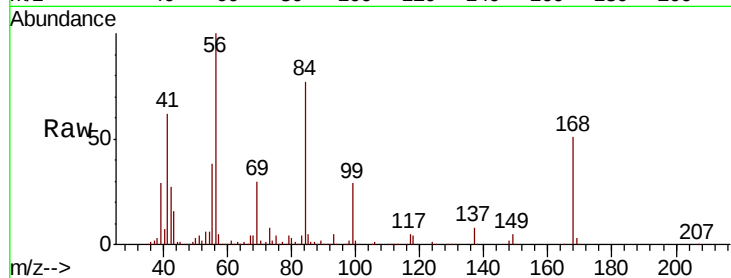
VSTDIC100

Tot Ion:168 Resp: 262037

Ion Ratio Lower Upper

168 100

99 56.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

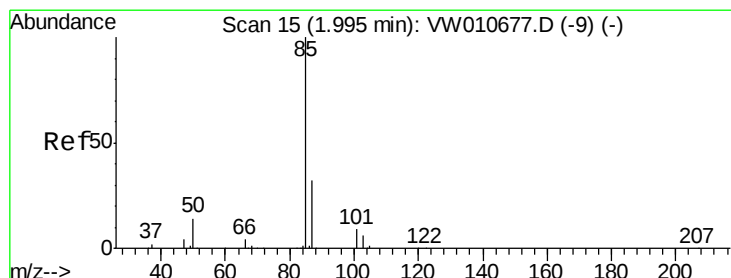
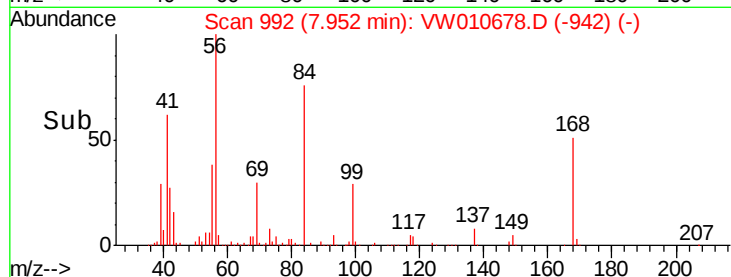
100000

50000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 90.477 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010678.D

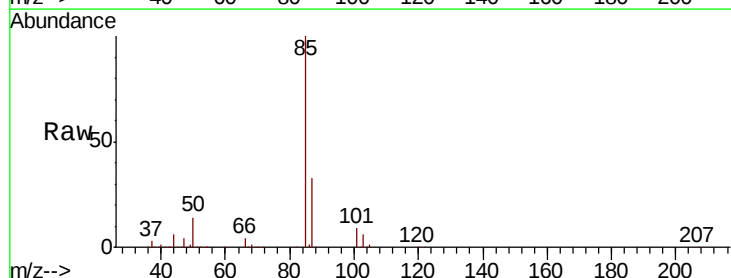
Acq: 04 Jun 2019 16:08

Tgt Ion: 85 Resp: 219089

Ion Ratio Lower Upper

85 100

87 32.6 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

150000

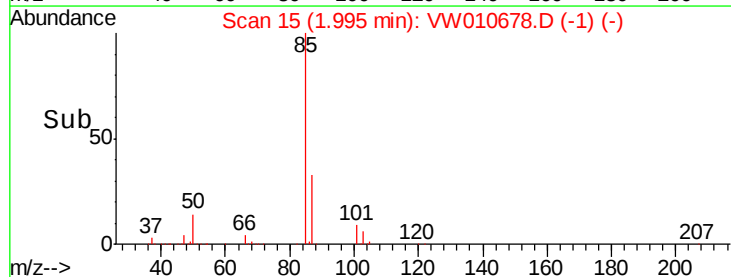
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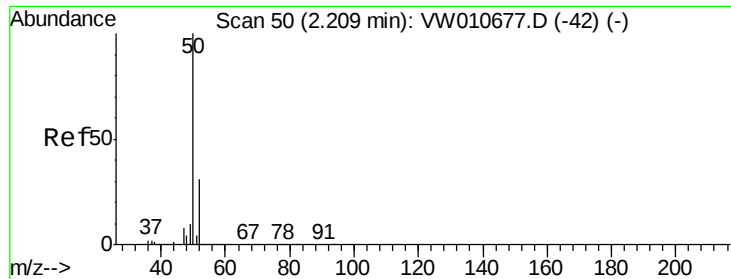
50000

0

Time-->

1.90 2.00 2.10





#3

Chloromethane

Concen: 94.260 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

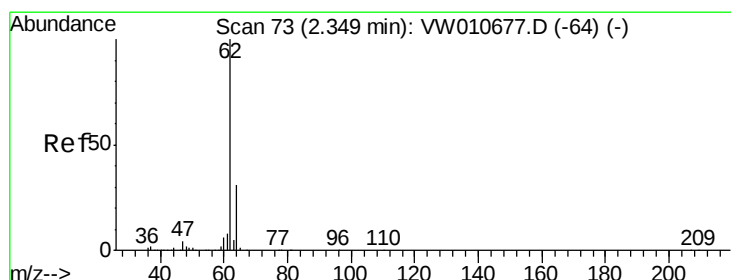
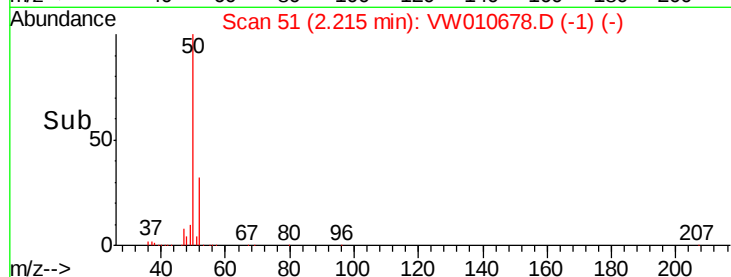
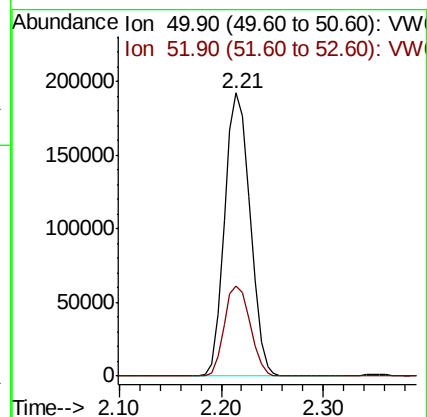
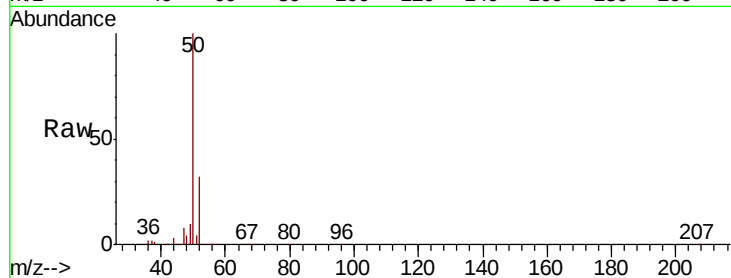
VSTDIC100

Tot Ion: 50 Resp: 335814

Ion Ratio Lower Upper

50 100

52 31.9 25.2 37.8



#4

Vinyl Chloride

Concen: 94.378 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010678.D

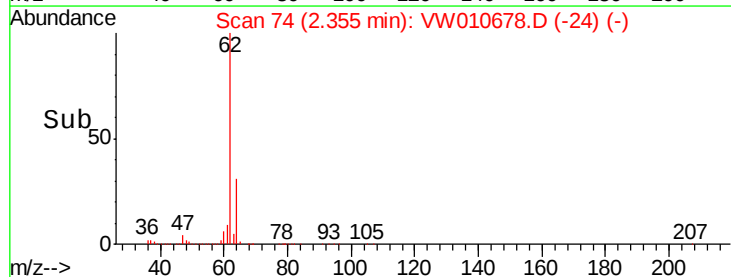
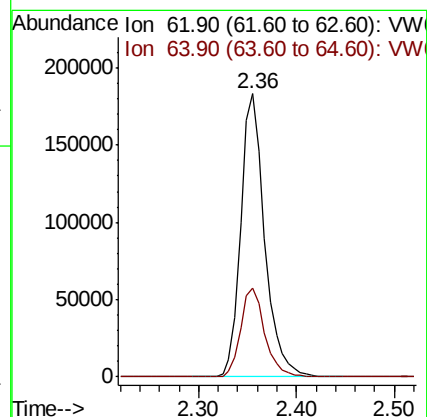
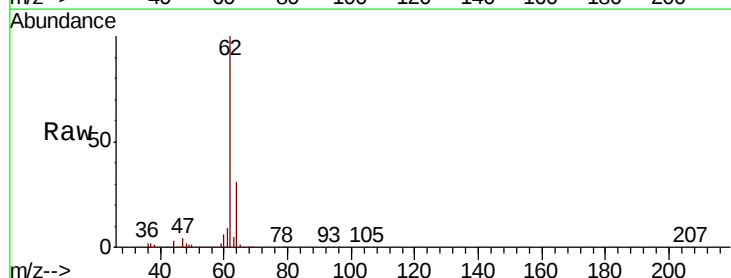
Acq: 04 Jun 2019 16:08

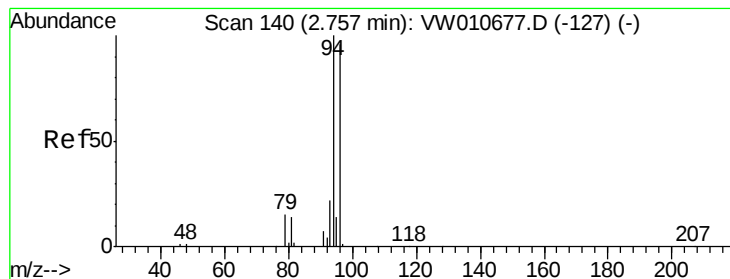
Tgt Ion: 62 Resp: 310651

Ion Ratio Lower Upper

62 100

64 31.3 24.5 36.7





#5

Bromomethane

Concen: 87.802 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

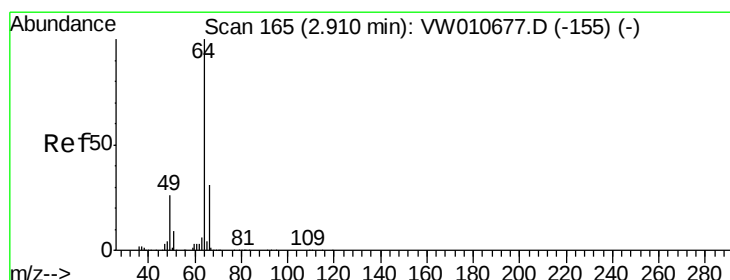
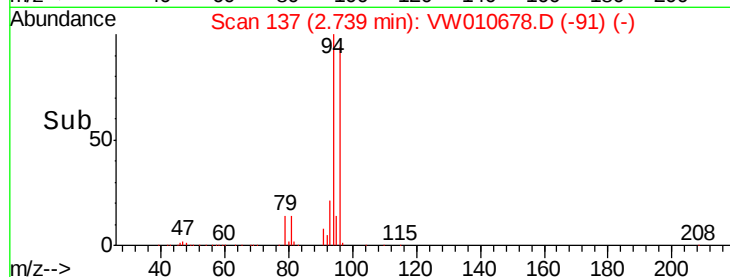
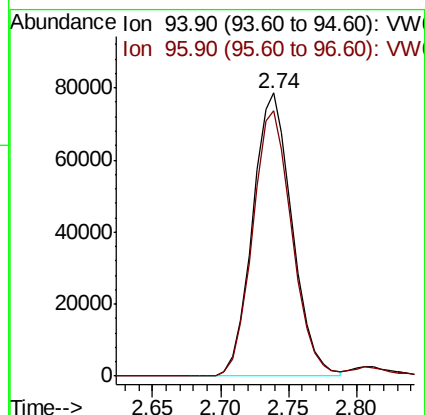
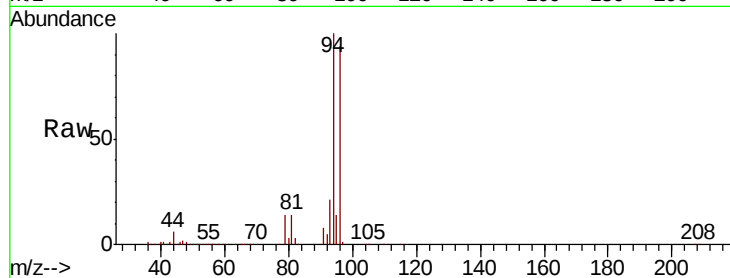
VSTDIC100

Tot Ion: 94 Resp: 158707

Ion Ratio Lower Upper

94 100

96 93.9 76.5 114.7



#6

Chloroethane

Concen: 96.177 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010678.D

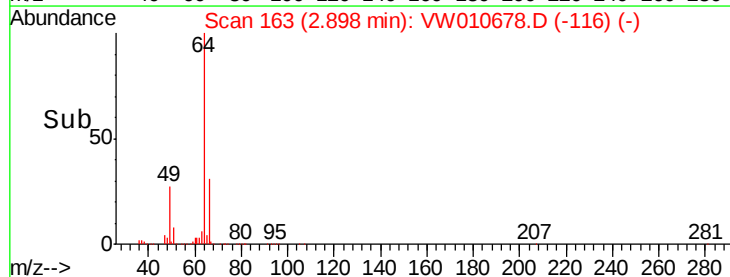
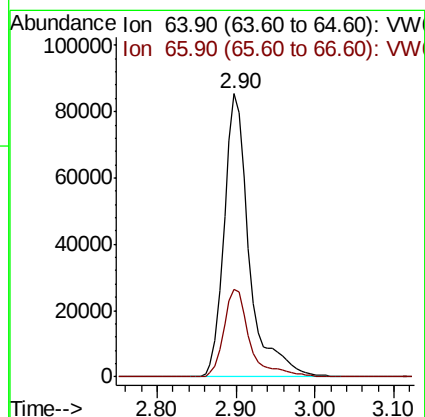
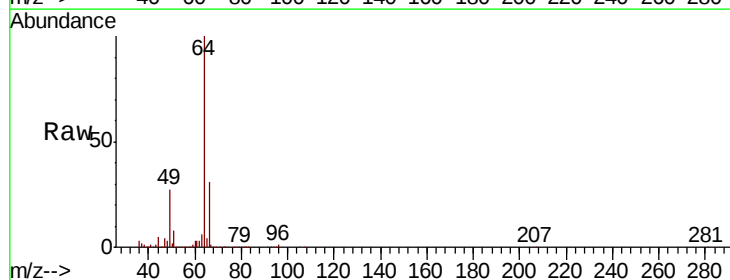
Acq: 04 Jun 2019 16:08

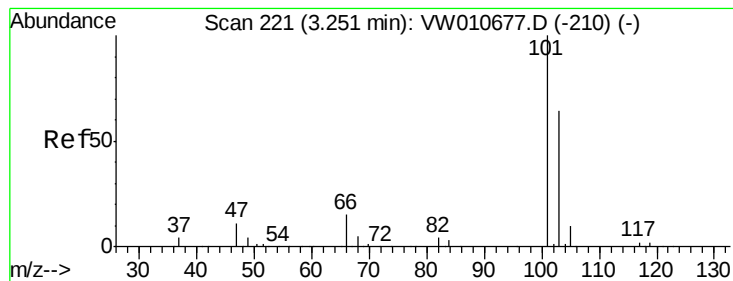
Tgt Ion: 64 Resp: 190024

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7



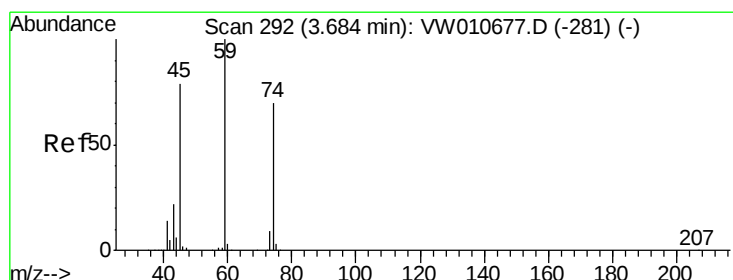
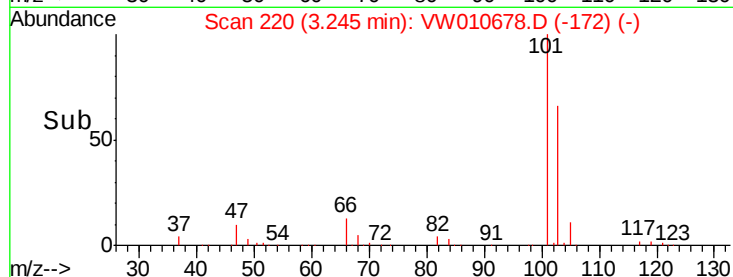
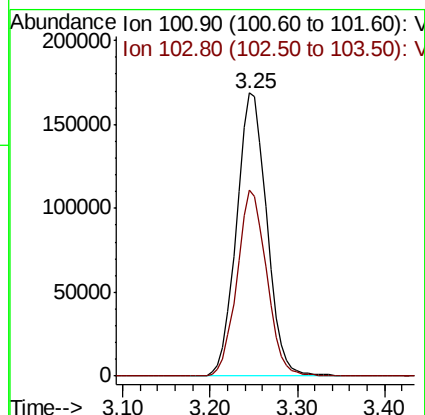
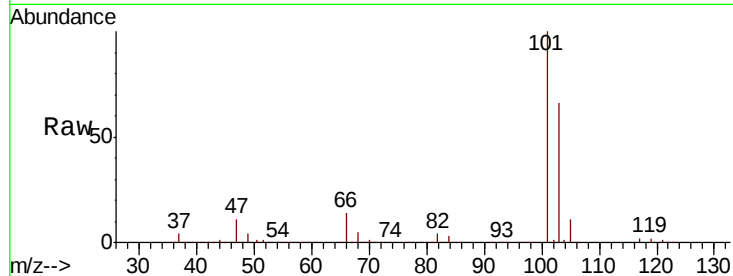


#7

Trichlorofluoromethane
 Concen: 95.292 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
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 ClientSampleId :
 VSTDIC100

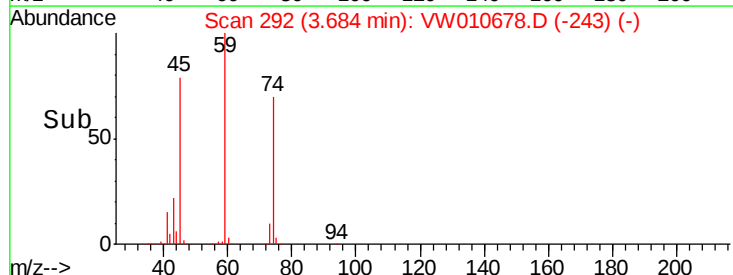
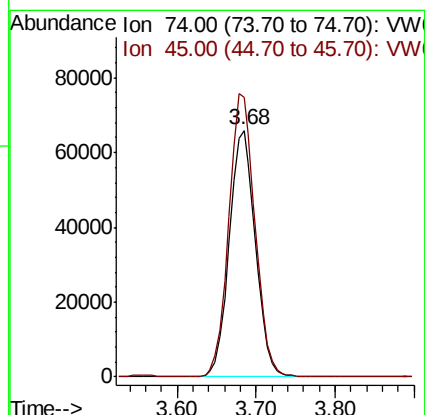
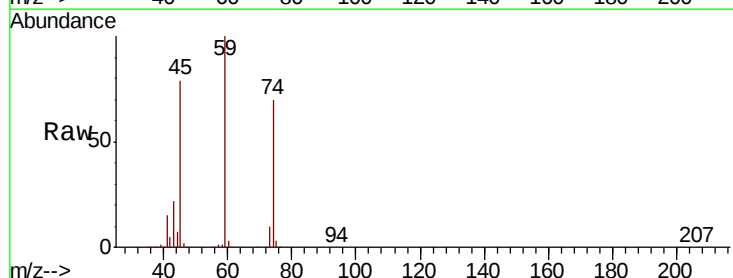
Tot Ion:101 Resp: 407164
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.2 76.8

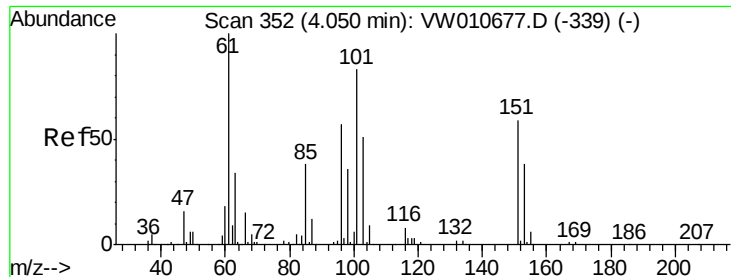


#8

Diethyl Ether
 Concen: 99.400 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion: 74 Resp: 151779
 Ion Ratio Lower Upper
 74 100
 45 114.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.875 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

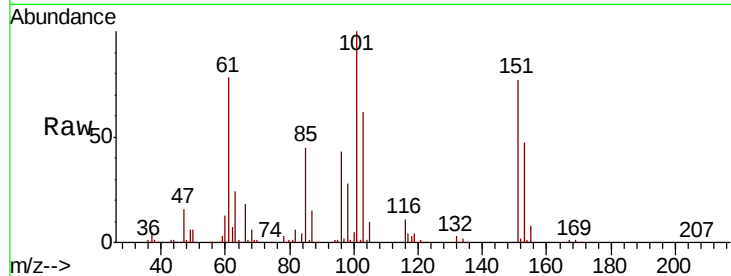
Tot Ion:101 Resp: 251859

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.8

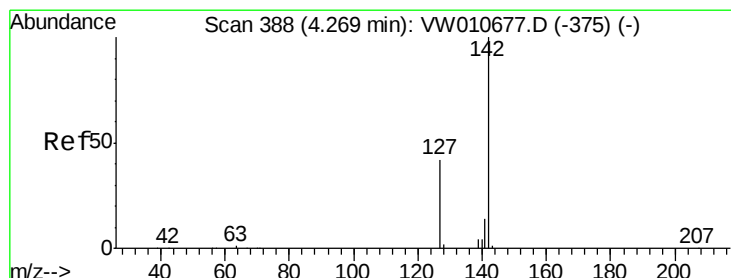
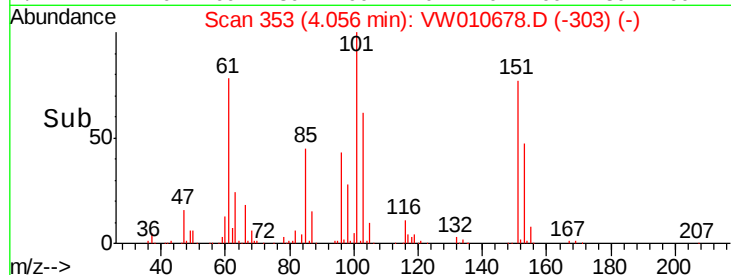
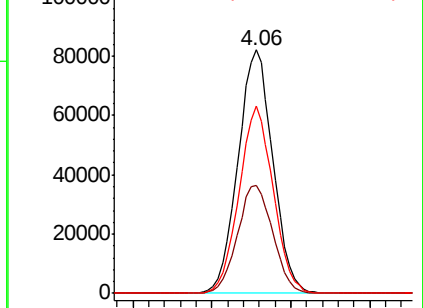
151 75.2 58.1 87.1



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: 119.162 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

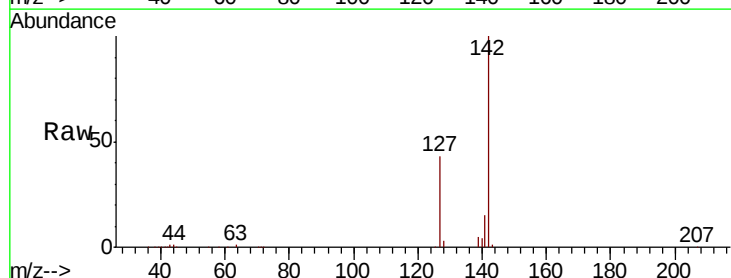
Tgt Ion:142 Resp: 276443

Ion Ratio Lower Upper

142 100

127 43.5 34.6 51.8

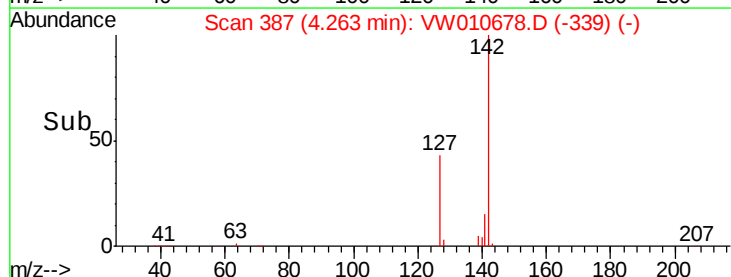
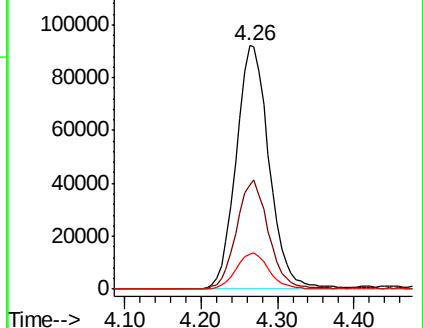
141 14.8 11.6 17.4

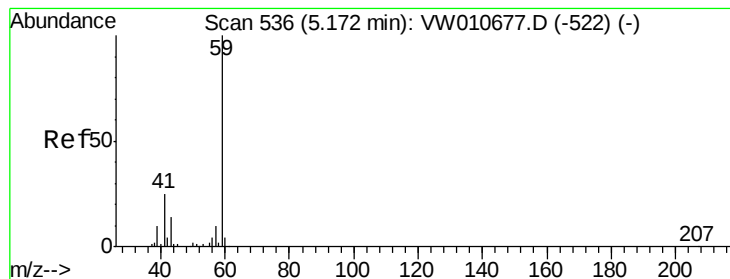


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 527.022 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

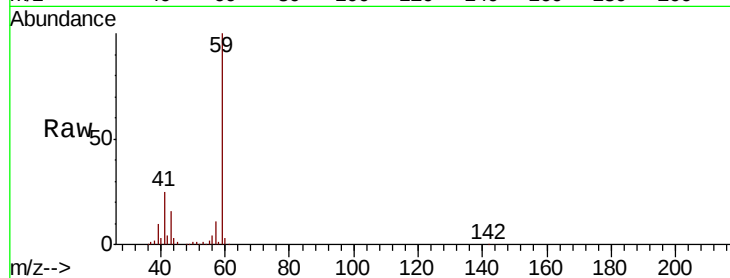
VSTDIC100

Tot Ion: 59 Resp: 132608

Ion Ratio Lower Upper

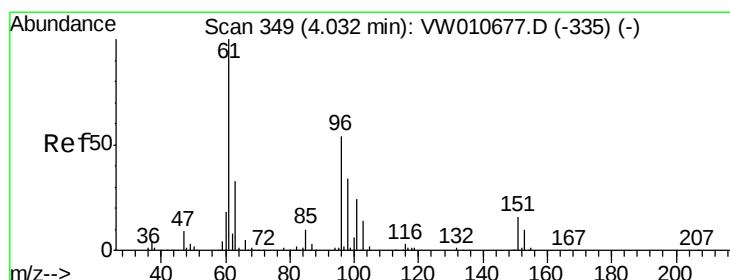
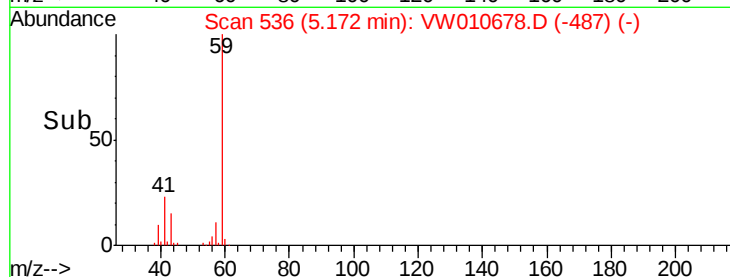
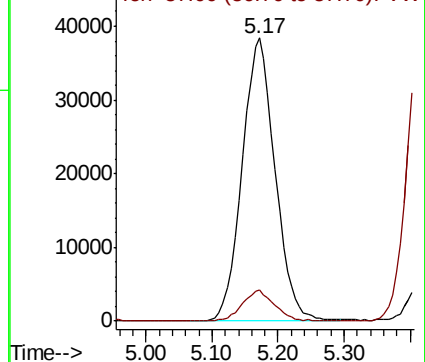
59 100

57 10.7 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 95.930 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

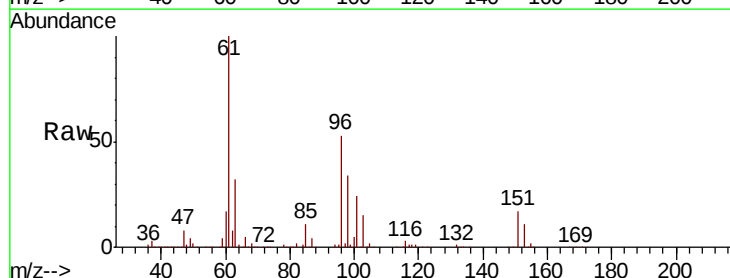
Tgt Ion: 96 Resp: 243095

Ion Ratio Lower Upper

96 100

61 187.0 149.1 223.7

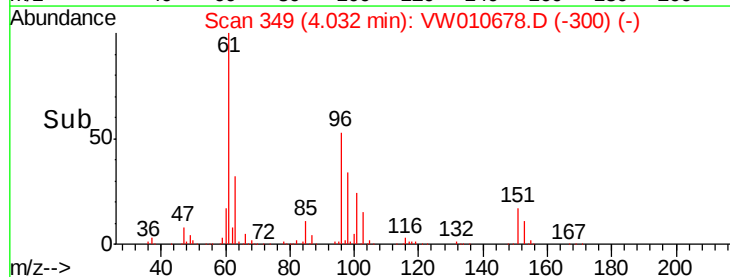
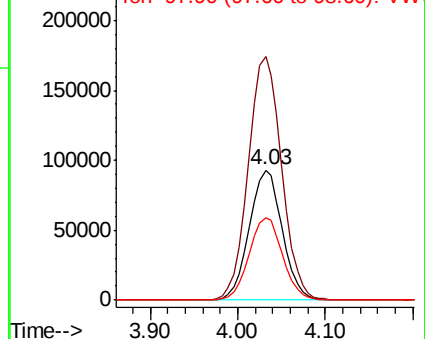
98 63.0 51.1 76.7

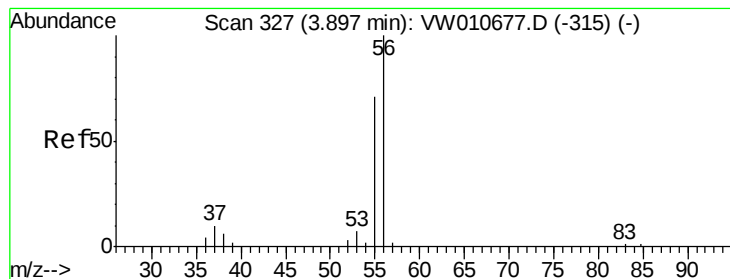


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 503.846 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

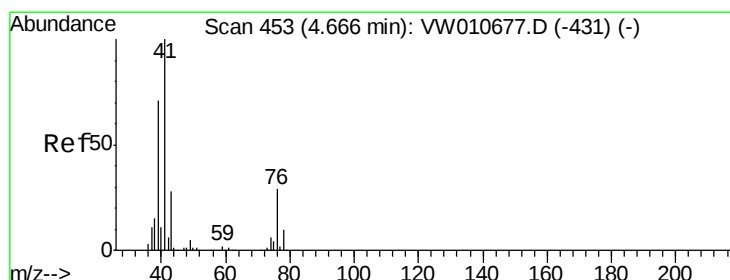
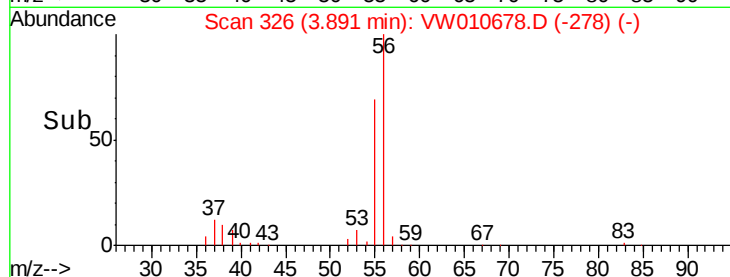
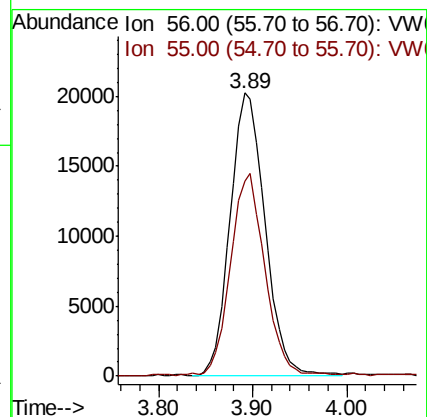
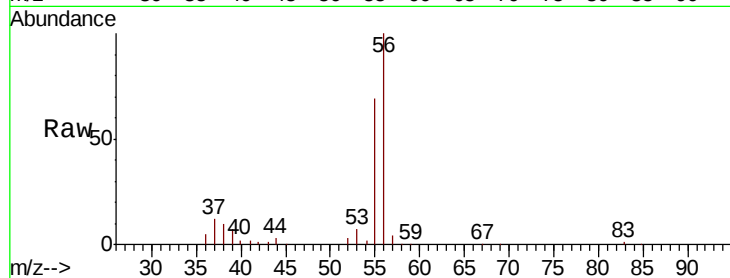
VSTDIC100

Tot Ion: 56 Resp: 51805

Ion Ratio Lower Upper

56 100

55 70.1 57.6 86.4



#14

Allyl chloride

Concen: 100.810 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

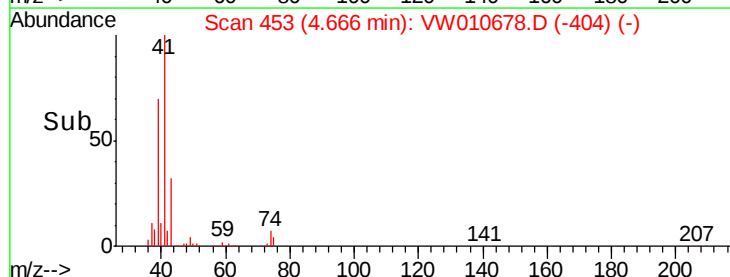
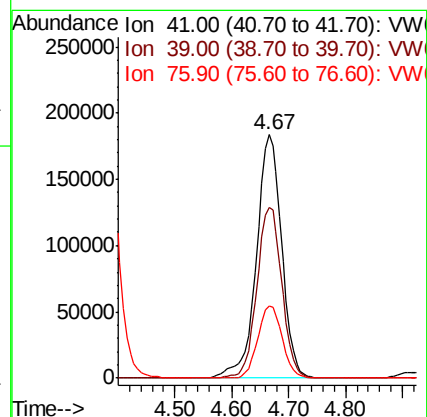
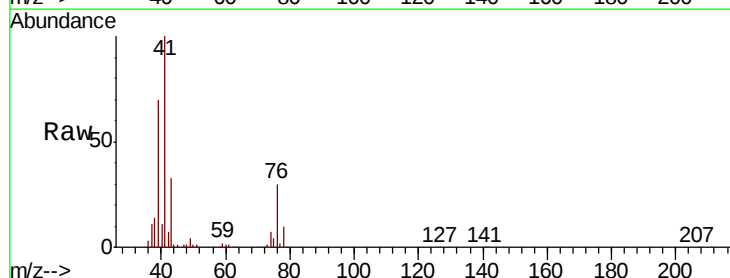
Tgt Ion: 41 Resp: 563274

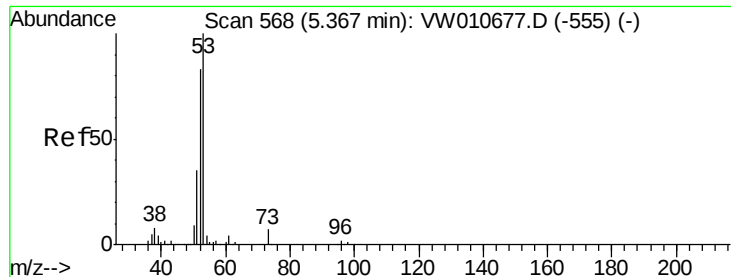
Ion Ratio Lower Upper

41 100

39 69.4 55.8 83.6

76 28.6 22.7 34.1





#15

Acrylonitrile

Concen: 510.962 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

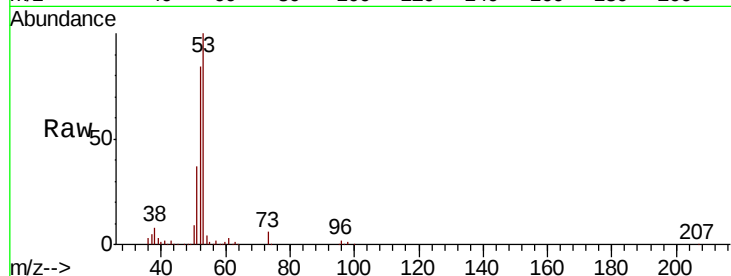
Tot Ion: 53 Resp: 379041

Ion Ratio Lower Upper

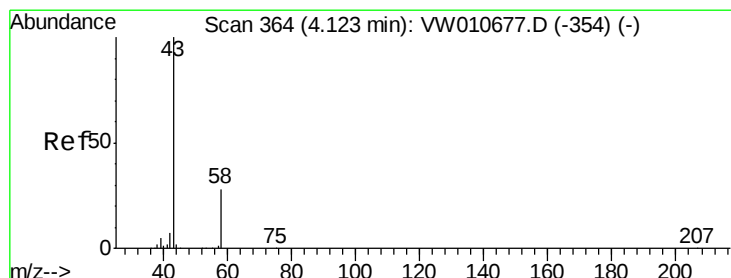
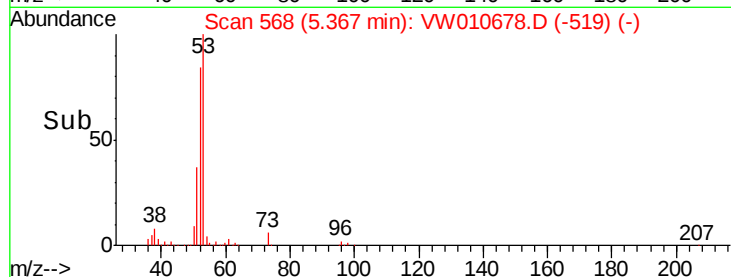
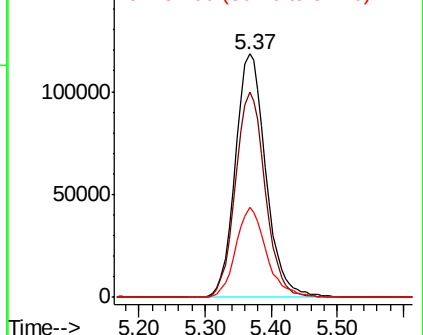
53 100

52 82.5 66.6 100.0

51 37.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 555.170 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010678.D

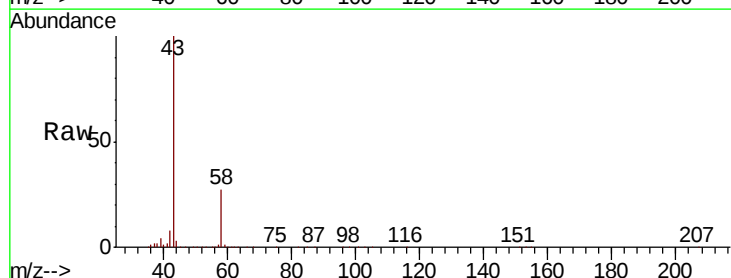
Acq: 04 Jun 2019 16:08

Tgt Ion: 43 Resp: 459443

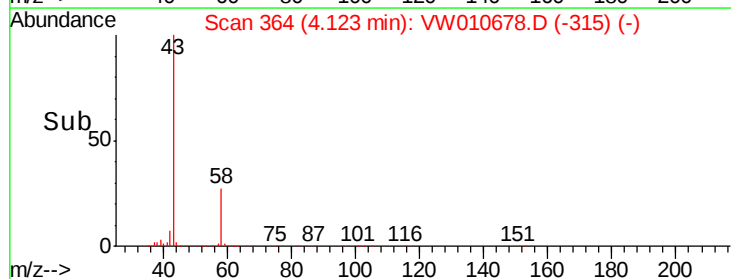
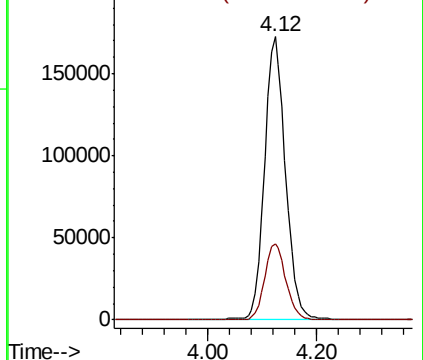
Ion Ratio Lower Upper

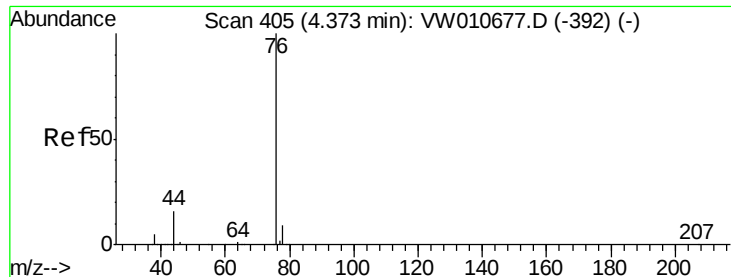
43 100

58 26.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 99.360 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

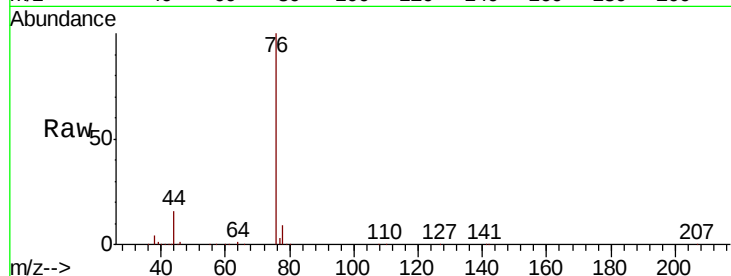
VSTDIC100

Tot Ion: 76 Resp: 799283

Ion Ratio Lower Upper

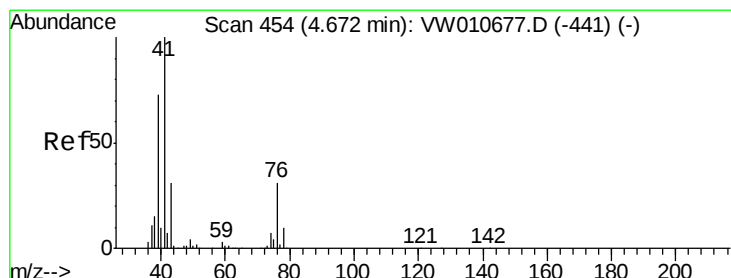
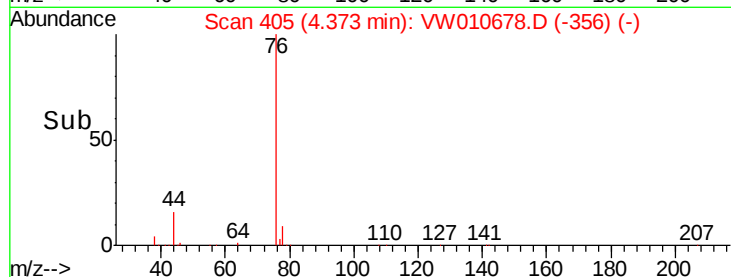
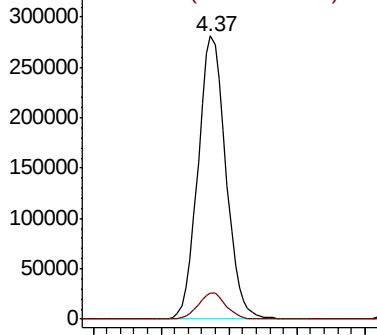
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 101.121 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010678.D

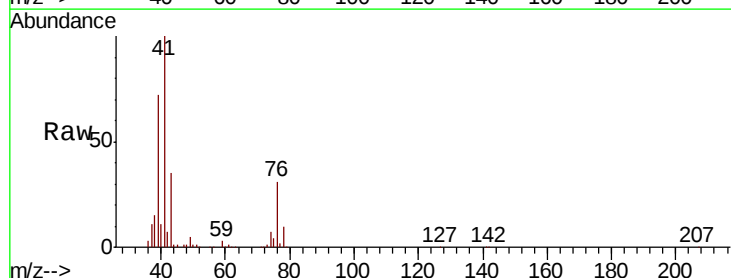
Acq: 04 Jun 2019 16:08

Tgt Ion: 43 Resp: 180140

Ion Ratio Lower Upper

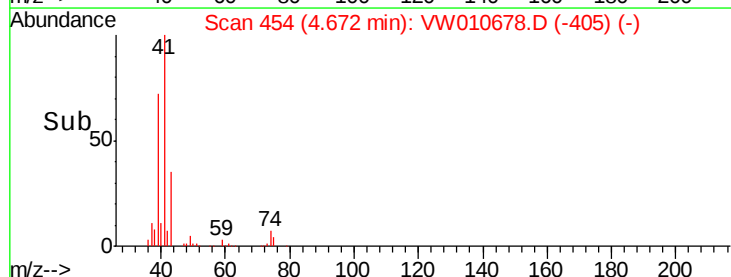
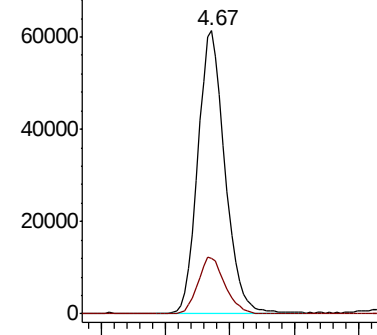
43 100

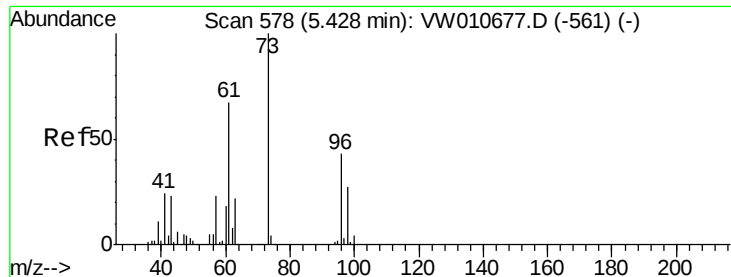
74 20.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



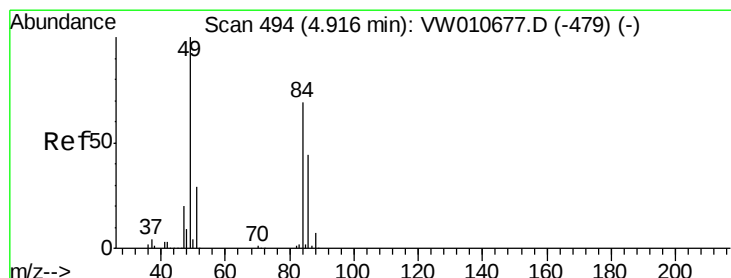
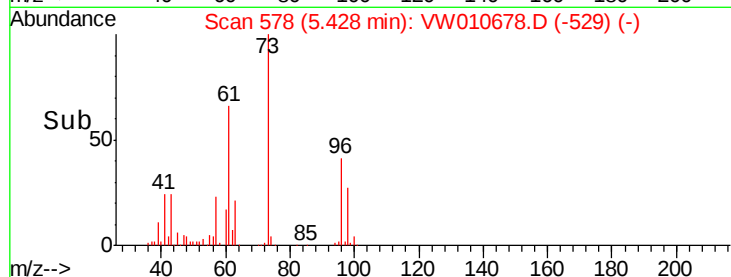
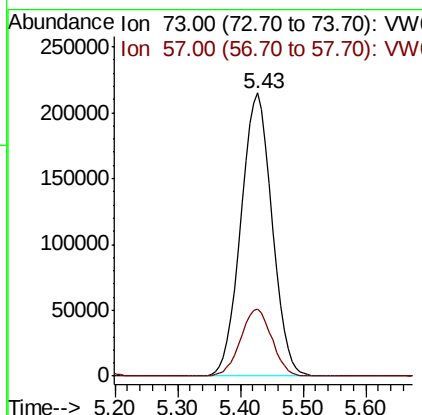
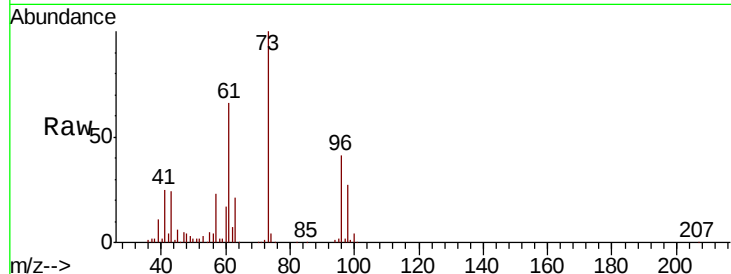


#19

Methyl tert-butyl Ether
 Concen: 101.095 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

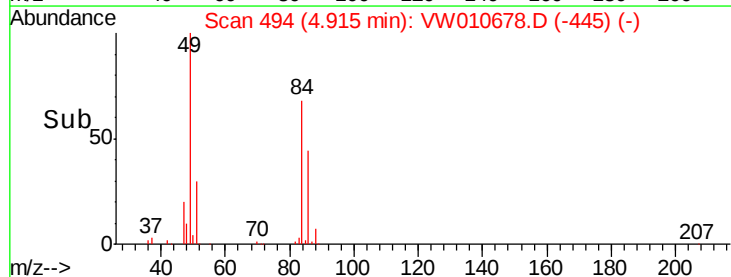
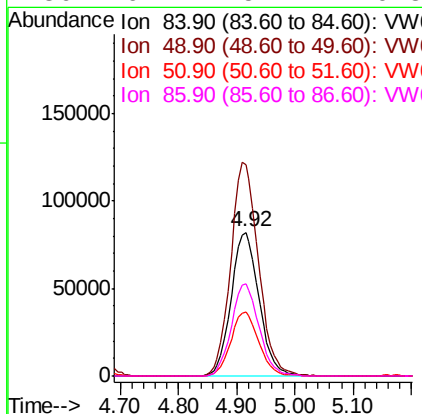
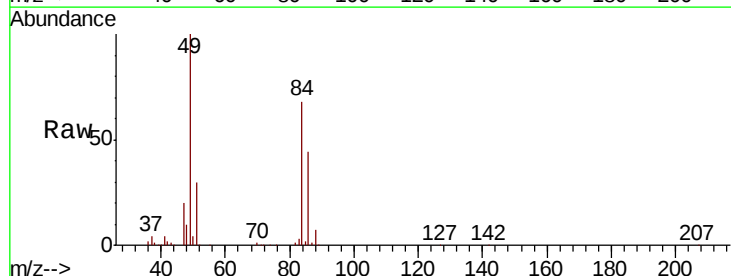
Tot Ion: 73 Resp: 738868
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.6 27.8

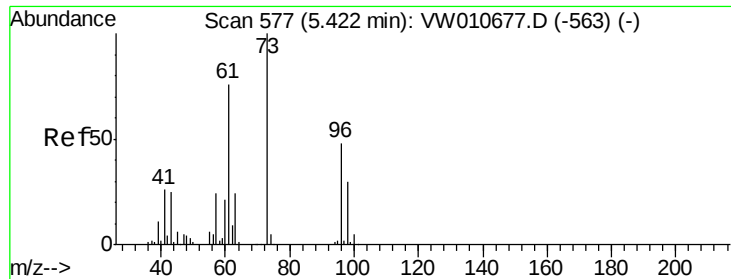


#20

Methylene Chloride
 Concen: 93.964 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion: 84 Resp: 272796
 Ion Ratio Lower Upper
 84 100
 49 147.7 116.7 175.1
 51 44.9 34.2 51.2
 86 64.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 97.459 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

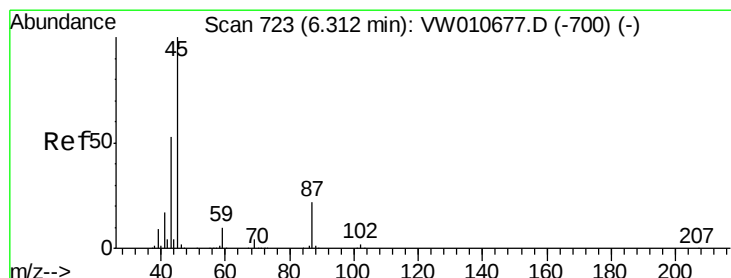
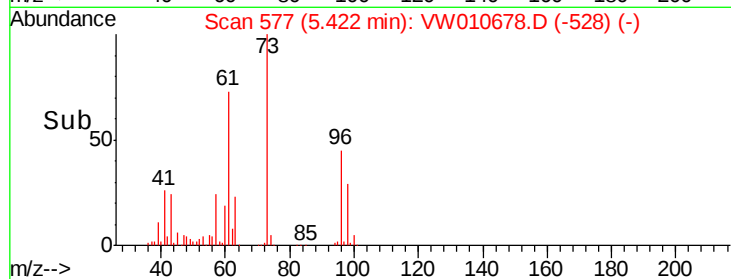
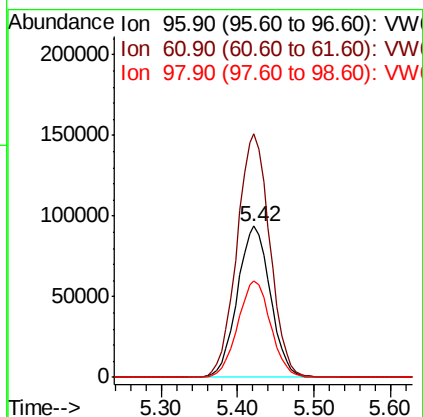
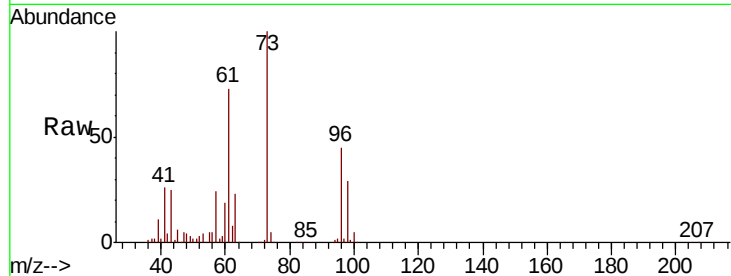
Tot Ion: 96 Resp: 280361

Ion Ratio Lower Upper

96 100

61 161.1 126.0 189.0

98 63.9 49.6 74.4



#22

Diisopropyl ether

Concen: 99.855 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion: 45 Resp: 1117000

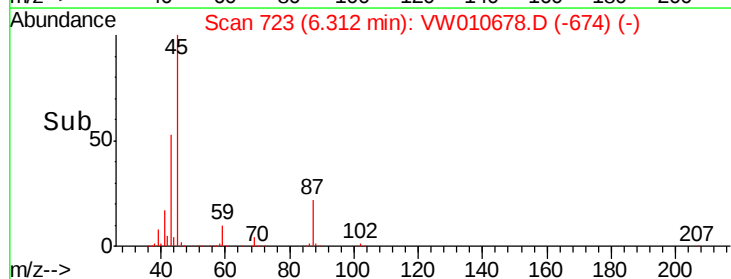
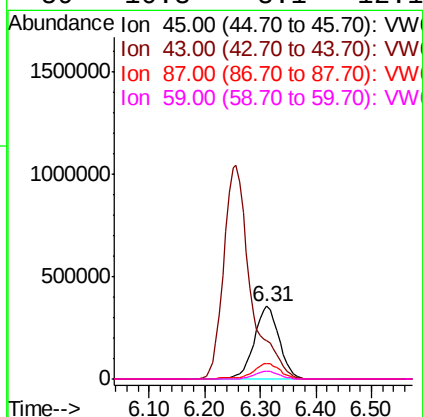
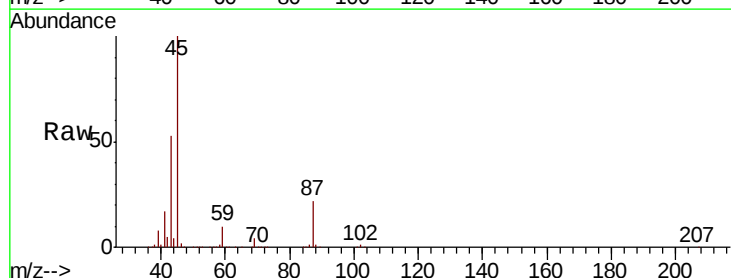
Ion Ratio Lower Upper

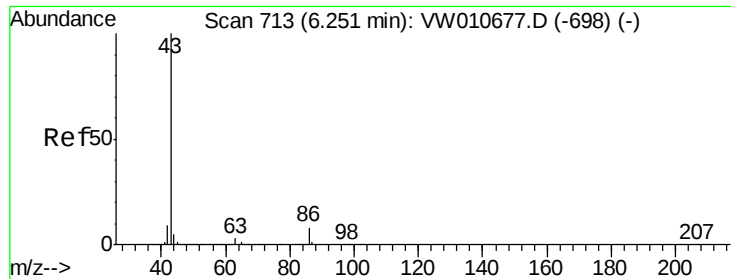
45 100

43 52.8 42.5 63.7

87 21.9 17.4 26.2

59 10.3 8.1 12.1





#23

Vinyl Acetate

Concen: 516.372 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

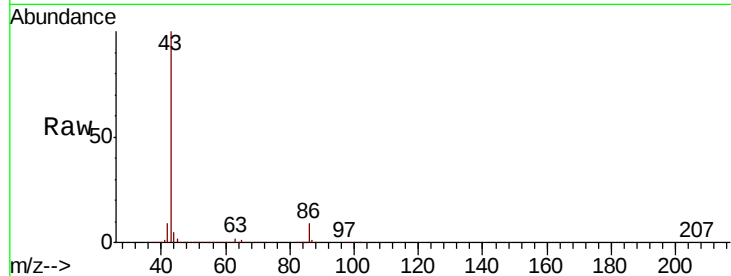
VSTDIC100

Tot Ion: 43 Resp: 3485956

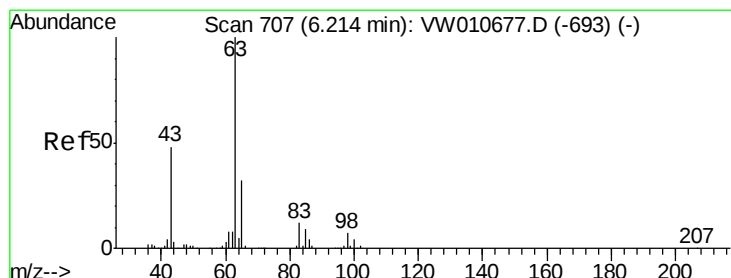
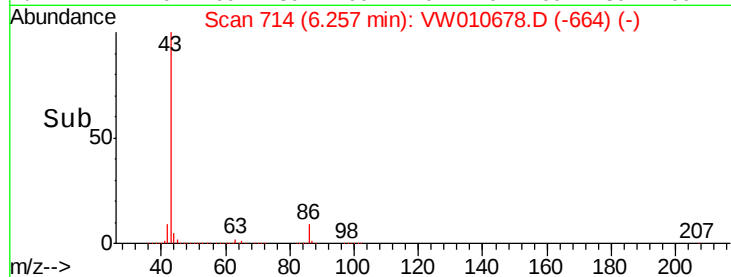
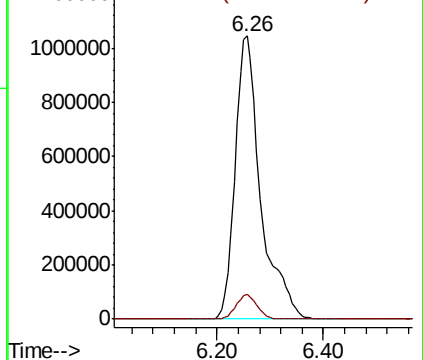
Ion Ratio Lower Upper

43 100

86 8.8 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 98.751 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

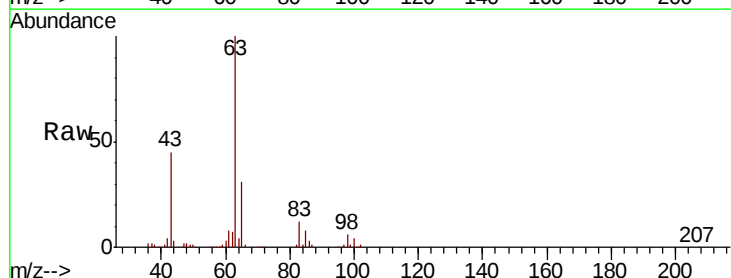
Tgt Ion: 63 Resp: 553590

Ion Ratio Lower Upper

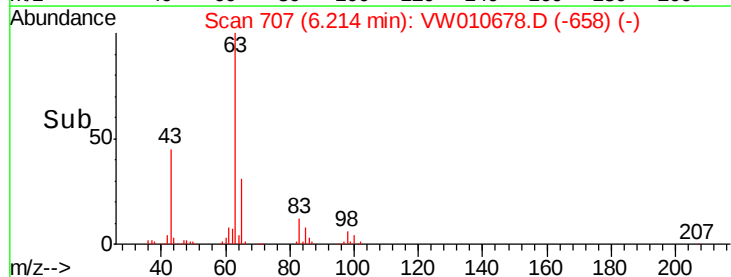
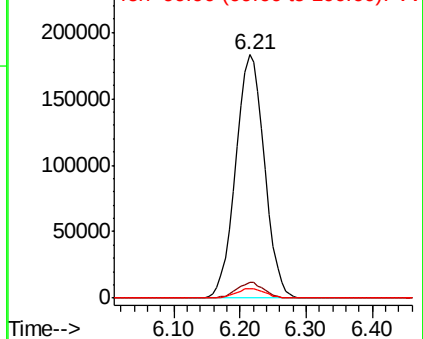
63 100

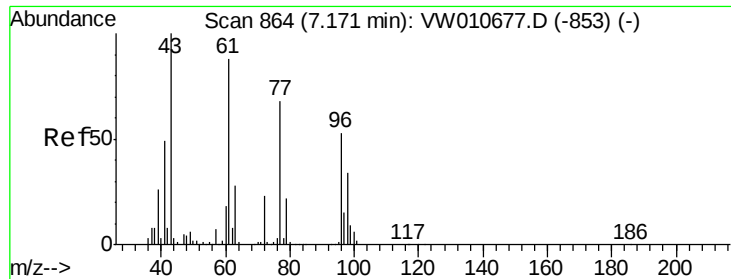
98 6.3 3.4 10.2

100 3.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 533.093 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

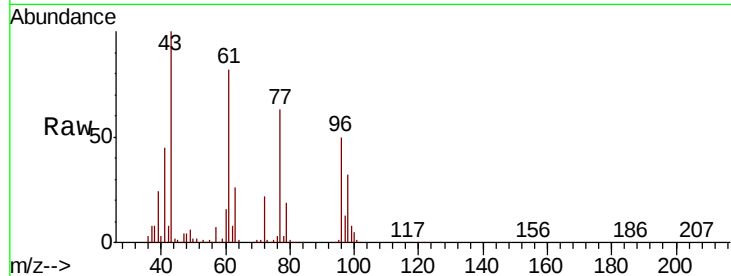
VSTDIC100

Tot Ion: 43 Resp: 611746

Ion Ratio Lower Upper

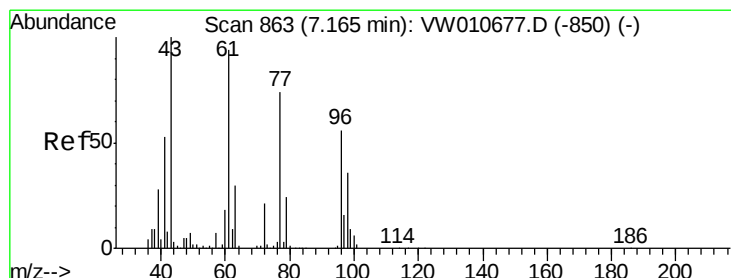
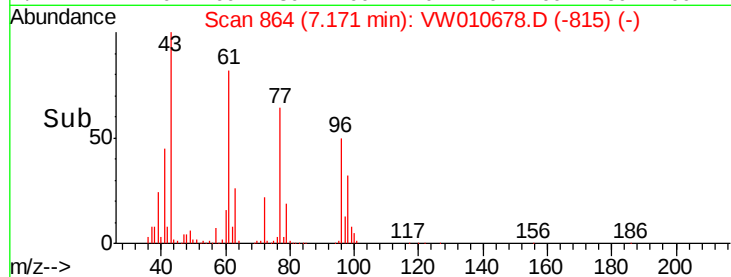
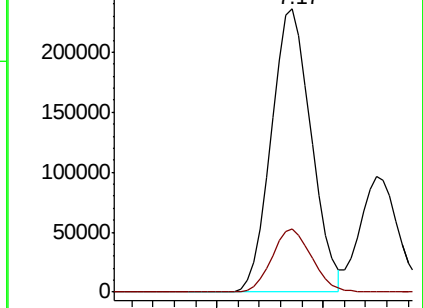
43 100

72 22.3 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 97.460 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010678.D

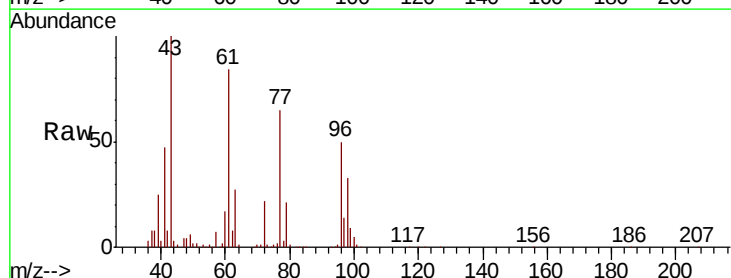
Acq: 04 Jun 2019 16:08

Tgt Ion: 77 Resp: 444583

Ion Ratio Lower Upper

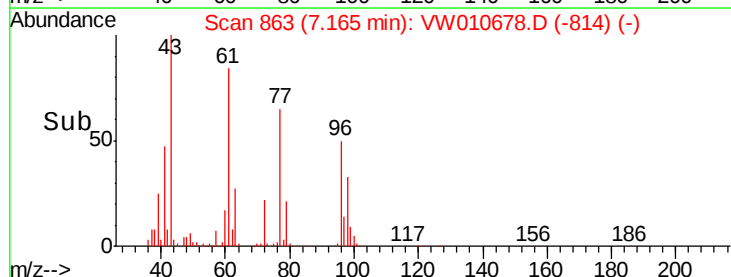
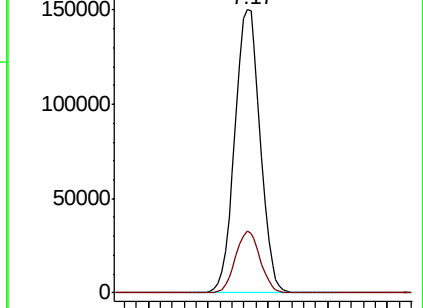
77 100

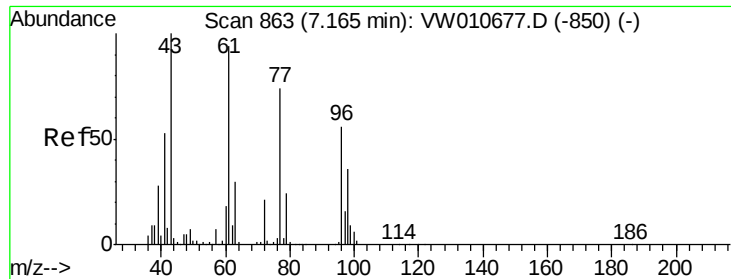
97 21.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



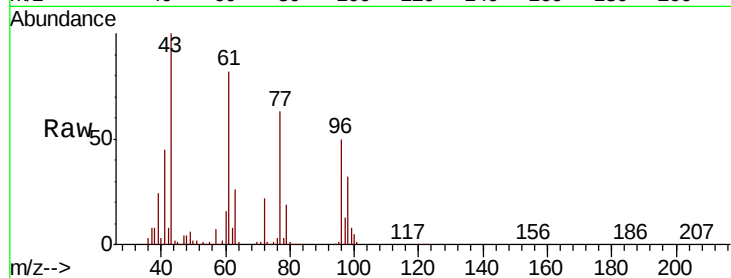


#27

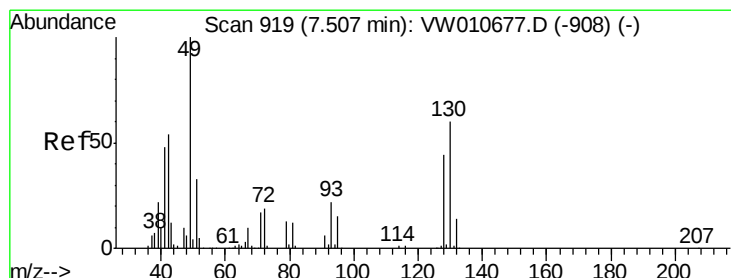
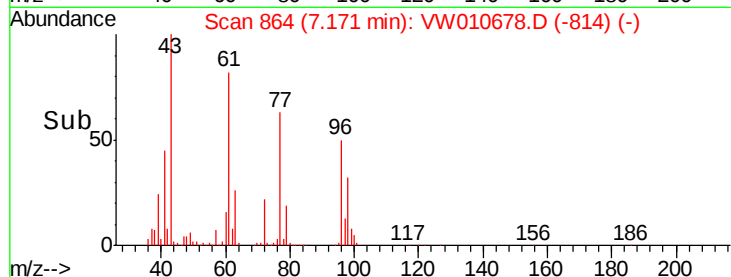
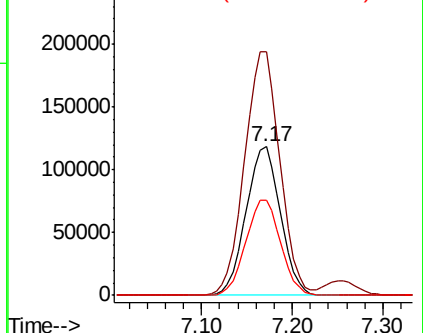
cis-1,2-Dichloroethene
Concen: 98.460 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 96 Resp: 311708
Ion Ratio Lower Upper
96 100
61 167.5 0.0 336.4
98 64.6 0.0 128.0



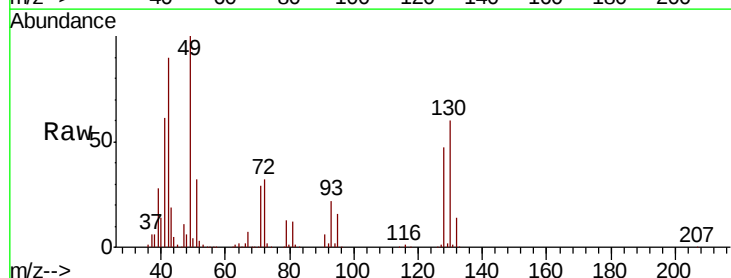
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



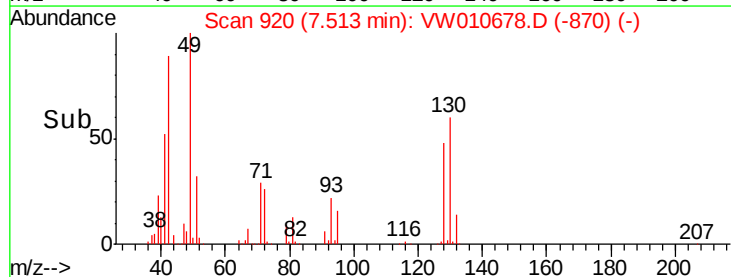
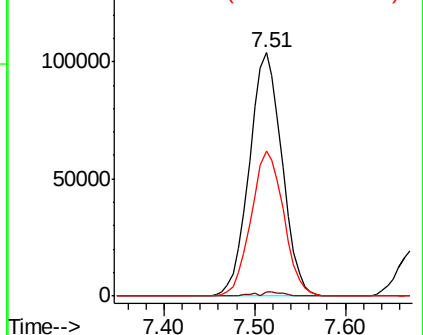
#28

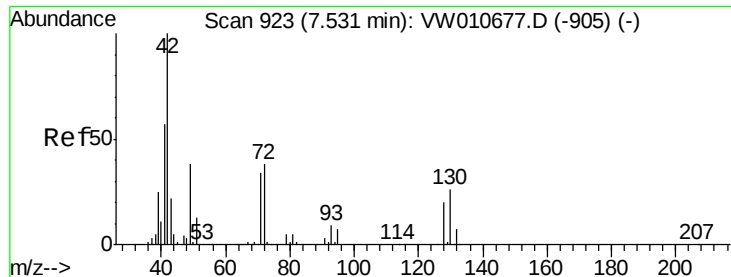
Bromochloromethane
Concen: 103.619 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 49 Resp: 259233
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.2
130 59.4 48.3 72.5



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

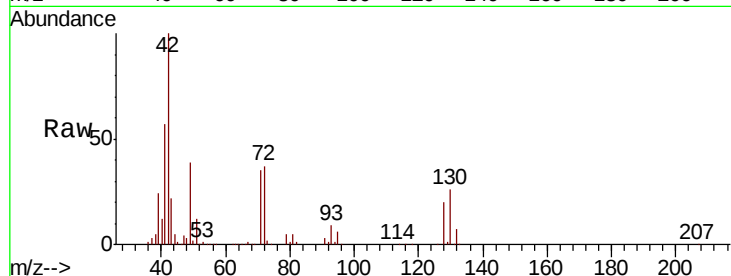




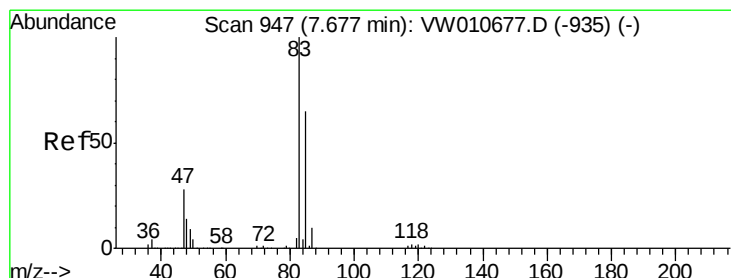
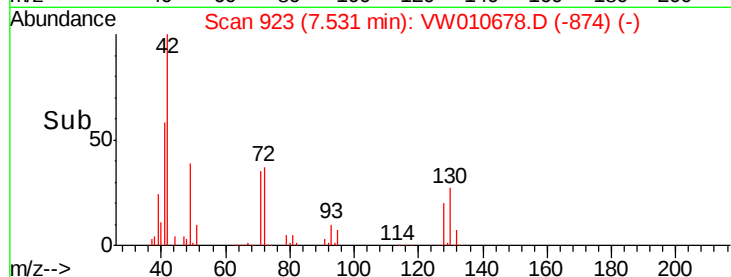
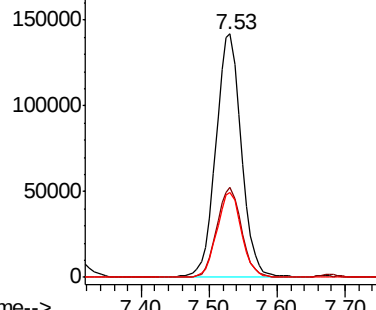
#29
Tetrahydrofuran
Concen: 512.261 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 369748
Ion Ratio Lower Upper
42 100
72 35.9 28.7 43.1
71 33.8 26.6 39.8

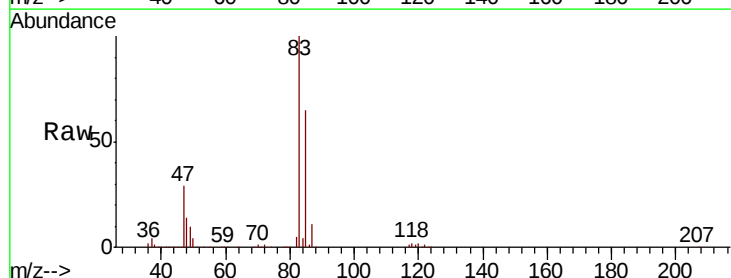


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

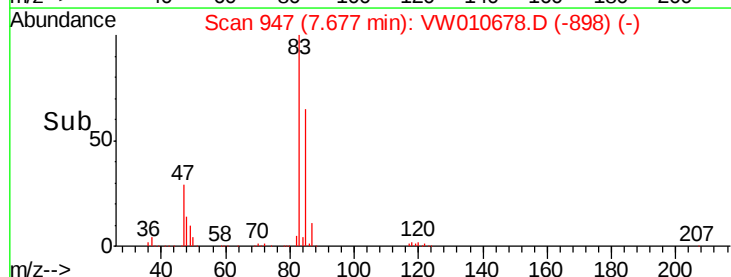
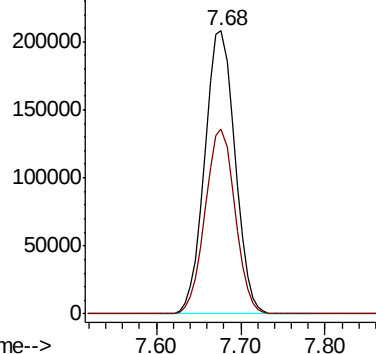


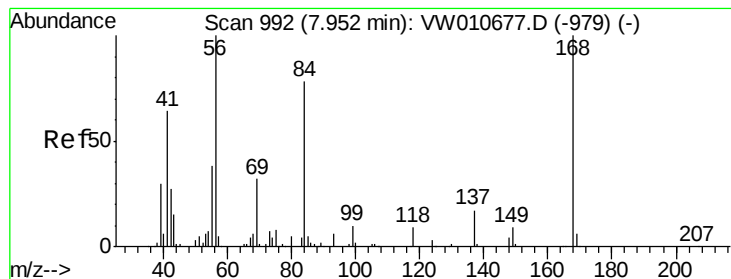
#30
Chloroform
Concen: 98.539 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 83 Resp: 505268
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.8



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





#31

Cyclohexane

Concen: 91.575 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

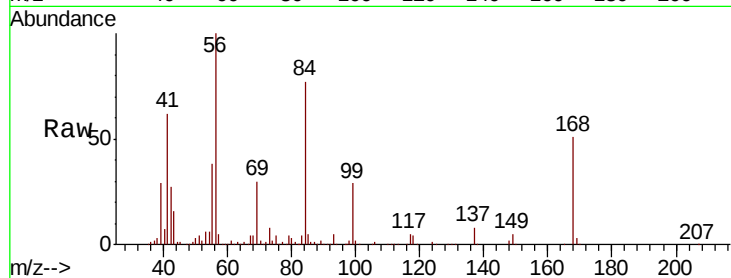
Tot Ion: 56 Resp: 570664

Ion Ratio Lower Upper

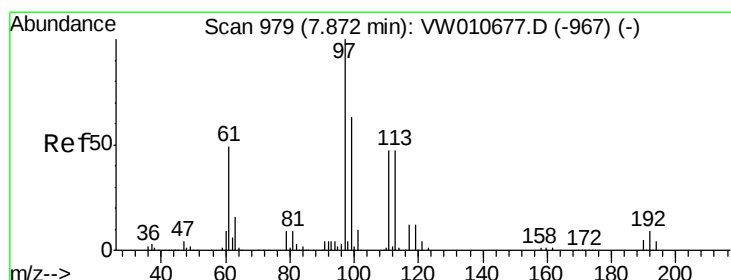
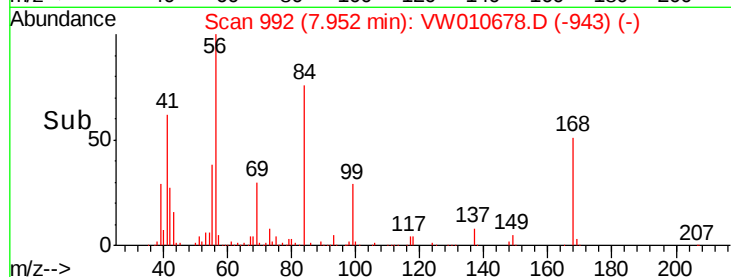
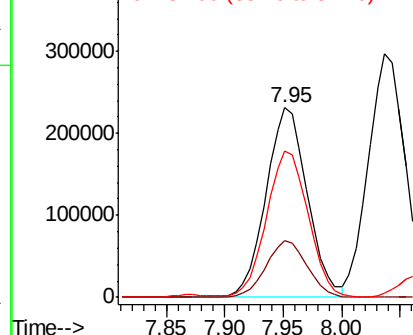
56 100

69 29.7 25.2 37.8

84 75.6 62.2 93.2



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



#32

1,1,1-Trichloroethane

Concen: 98.761 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

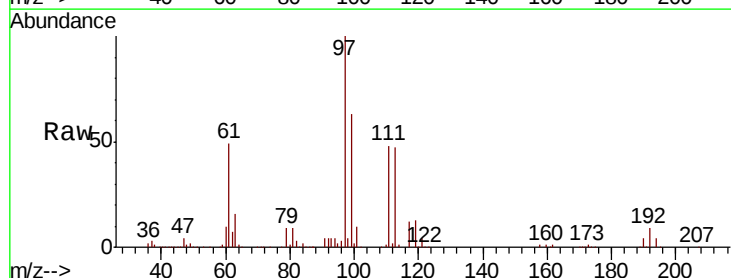
Tgt Ion: 97 Resp: 442359

Ion Ratio Lower Upper

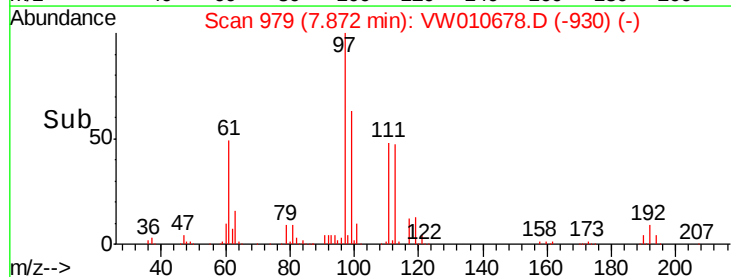
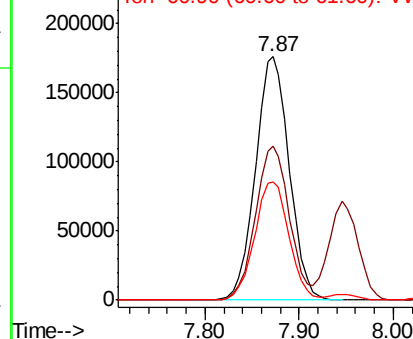
97 100

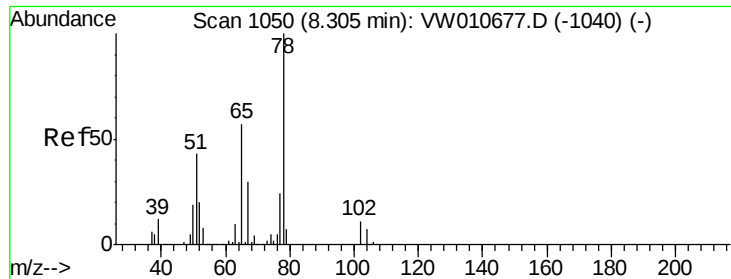
99 64.1 51.3 76.9

61 49.5 40.4 60.6



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





#33

1,2-Dichloroethane-d4

Concen: 104.055 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

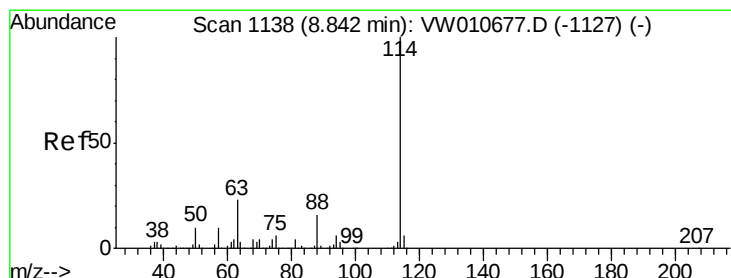
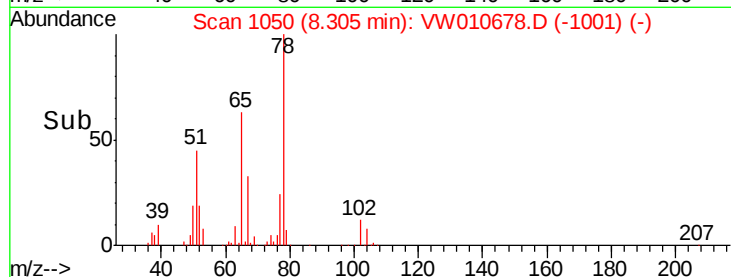
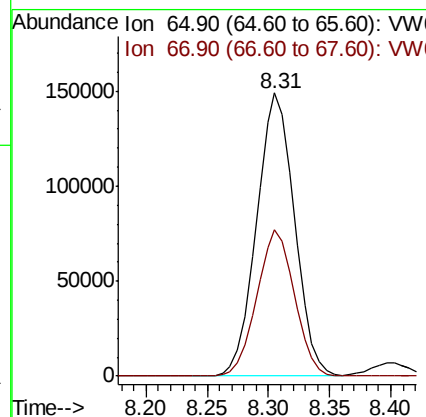
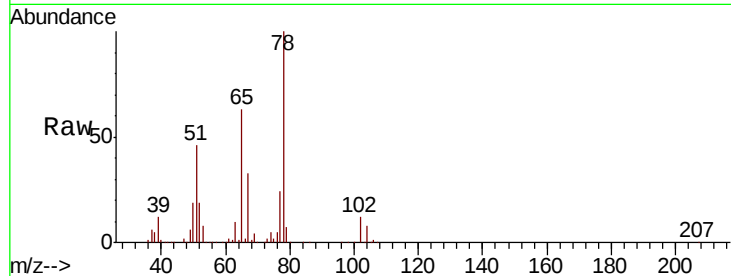
VSTDIC100

Tot Ion: 65 Resp: 321379

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

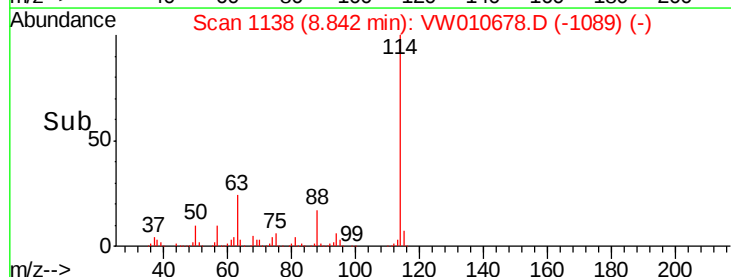
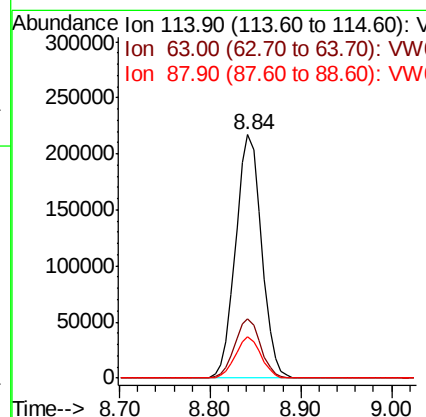
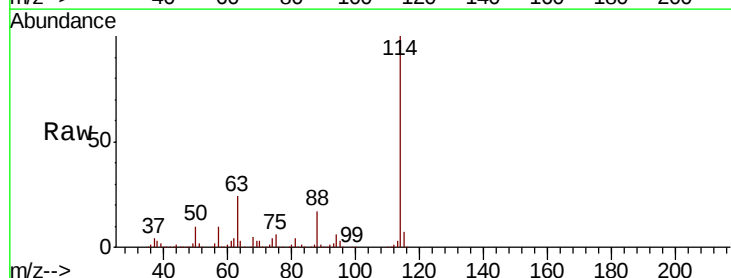
Tgt Ion: 114 Resp: 430377

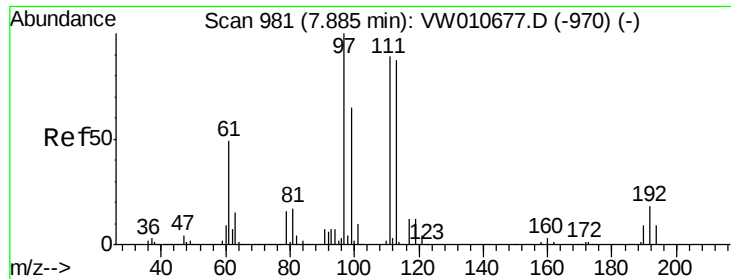
Ion Ratio Lower Upper

114 100

63 24.3 0.0 46.4

88 16.9 0.0 32.2

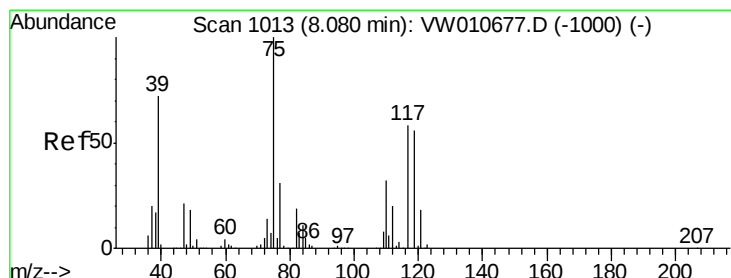
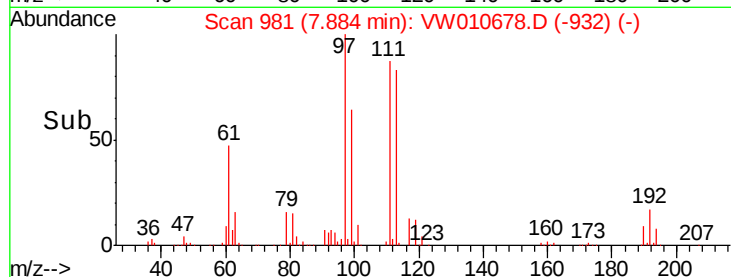
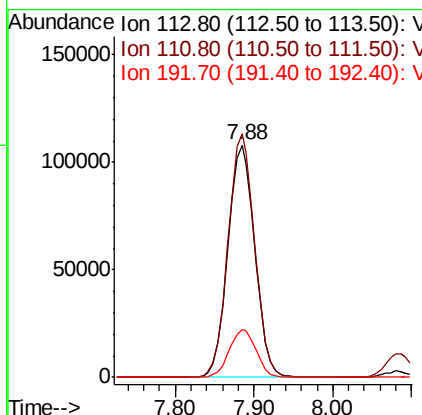
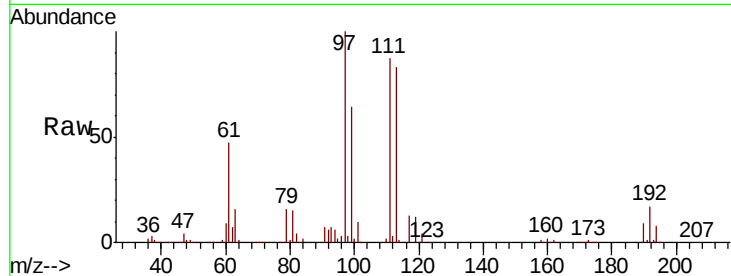




#35
 Dibromofluoromethane
 Concen: 109.433 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

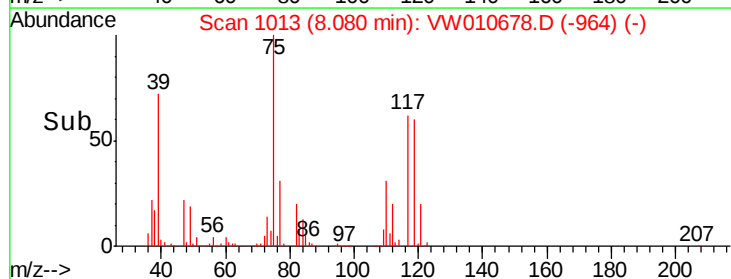
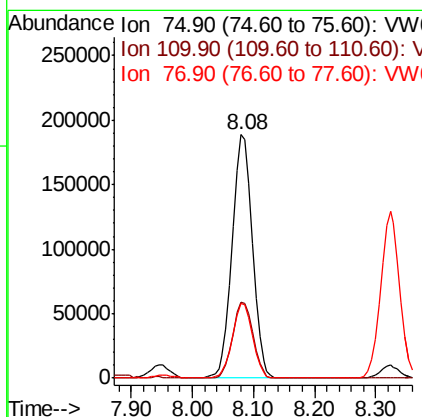
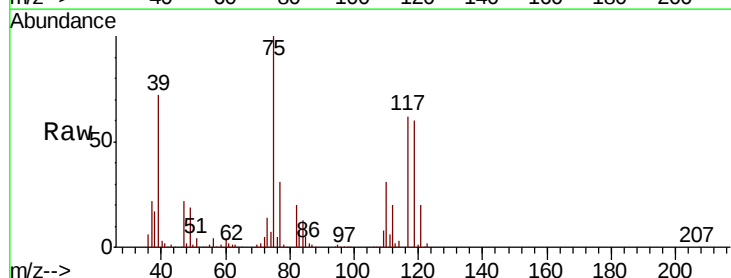
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	20.6	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 96.951 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.8	47.3
77	30.7	24.7	37.1

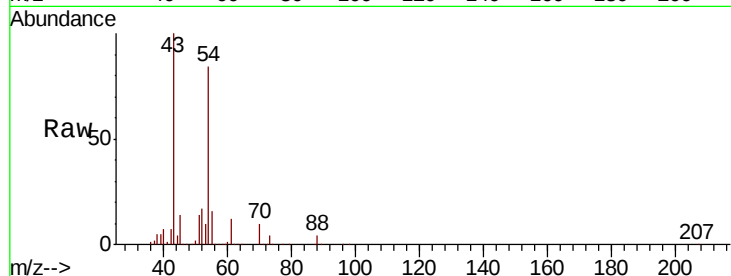




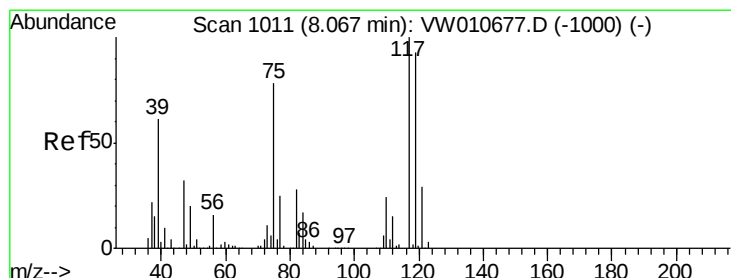
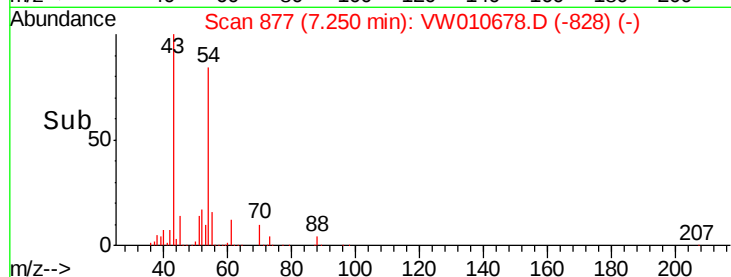
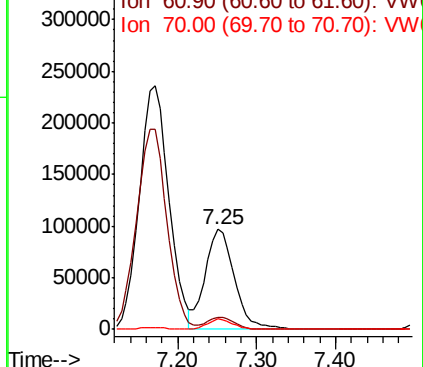
#37
Ethyl Acetate
Concen: 102.281 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 249689
Ion Ratio Lower Upper
43 100
61 11.3 9.7 14.5
70 8.8 7.2 10.8

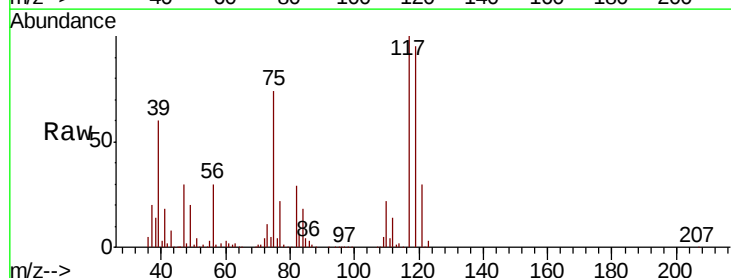


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

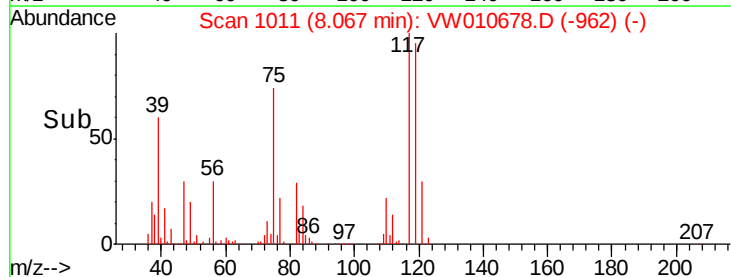
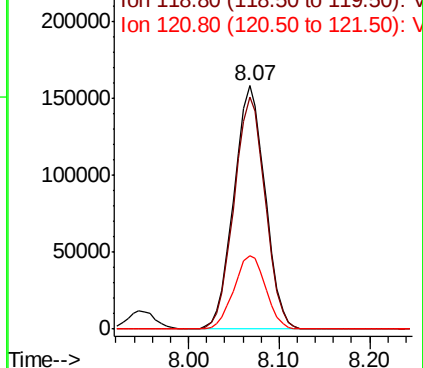


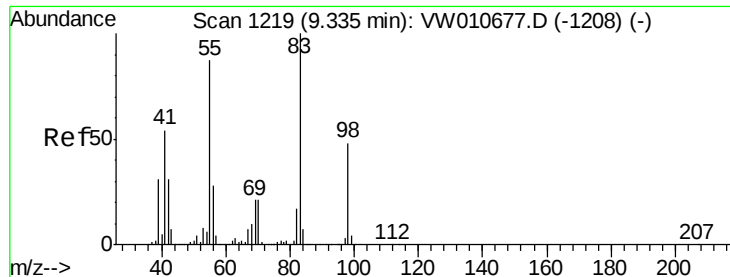
#38
Carbon Tetrachloride
Concen: 99.089 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 117 Resp: 376835
Ion Ratio Lower Upper
117 100
119 95.3 74.2 111.4
121 30.3 22.9 34.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

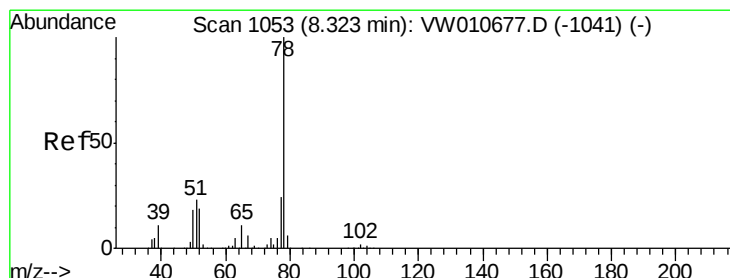
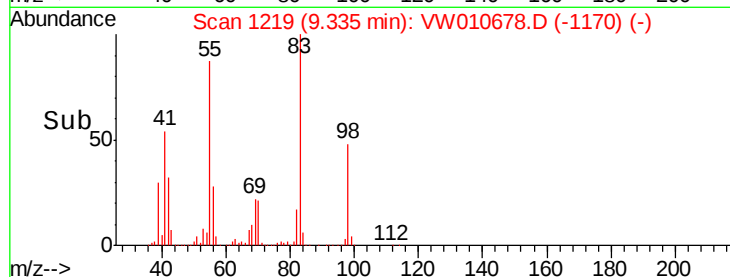
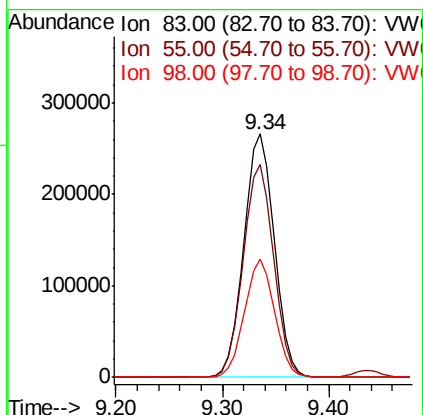
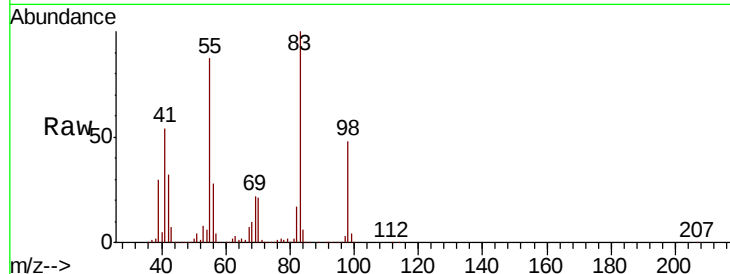




#39
Methvlcvclohexane
Concen: 96.113 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

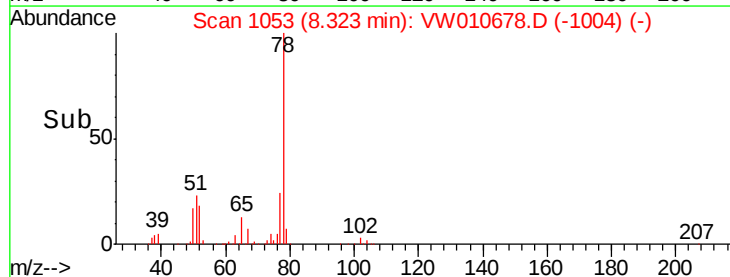
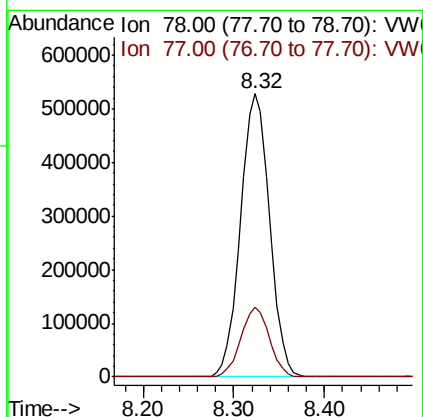
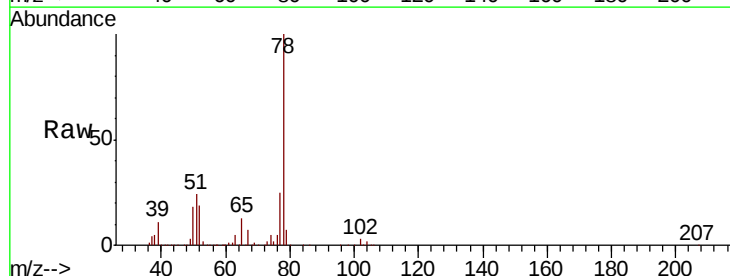
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

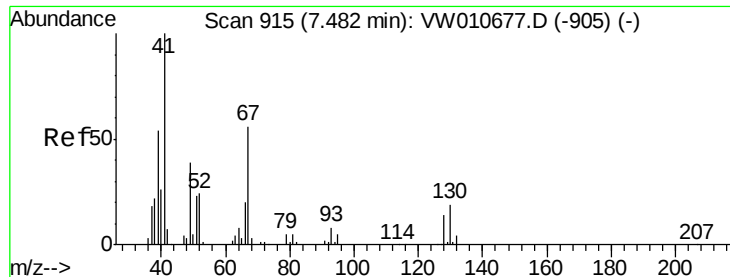
Tot Ion: 83 Resp: 538258
Ion Ratio Lower Upper
83 100
55 87.4 70.0 105.0
98 48.4 38.1 57.1



#40
Benzene
Concen: 97.284 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 78 Resp: 1169175
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7

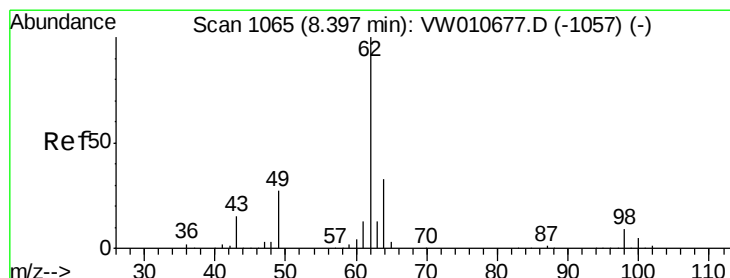
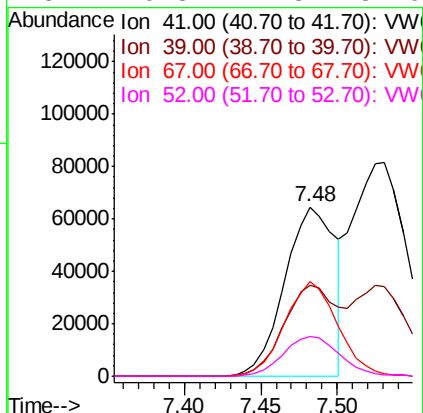
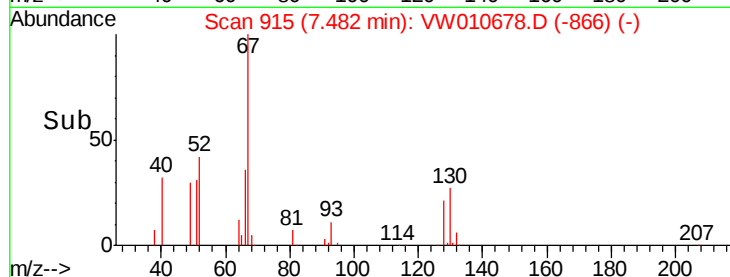
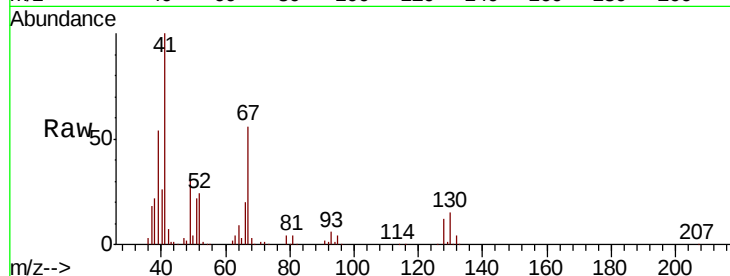




#41
Methacrylonitrile
Concen: 102.130 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

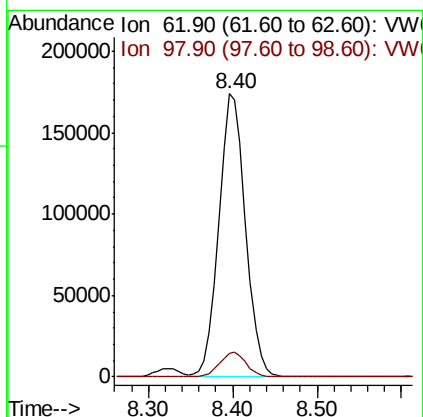
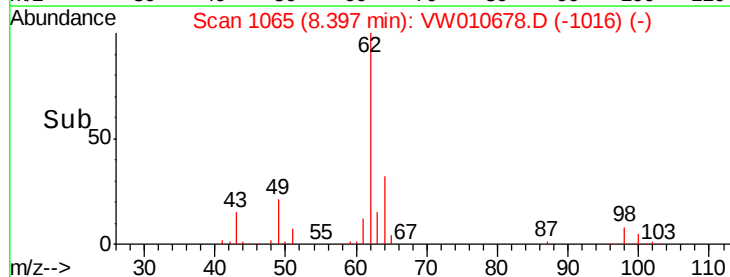
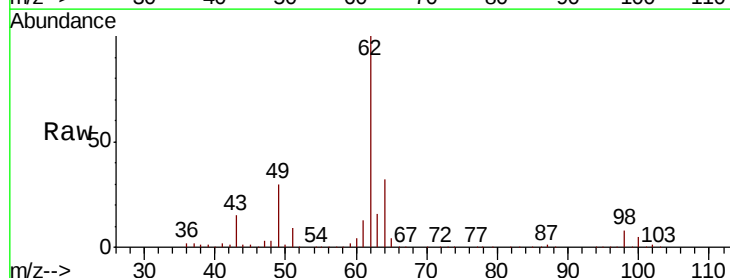
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

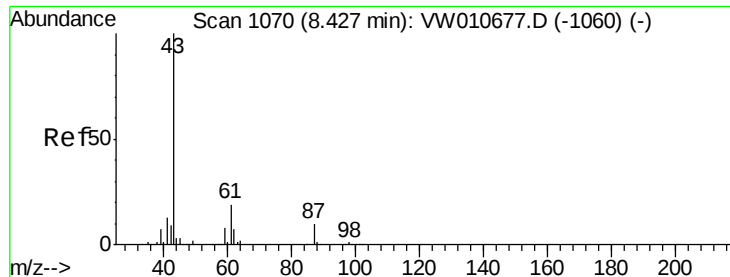
Tot Ion:	41	Resp:	148196
Ion	Ratio	Lower	Upper
41	100		
39	60.4	47.3	70.9
67	59.2	47.2	70.8
52	26.3	21.3	31.9



#42
1,2-Dichloroethane
Concen: 98.805 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion:	62	Resp:	376873
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 102.971 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

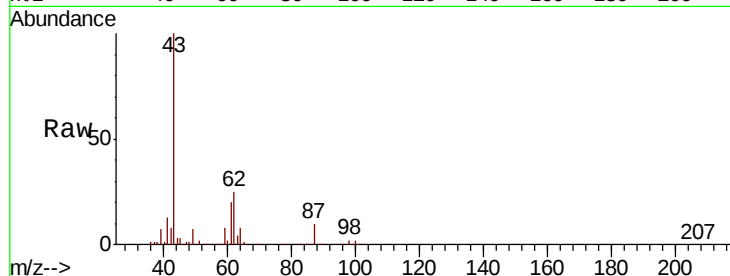
Tot Ion: 43 Resp: 485639

Ion Ratio Lower Upper

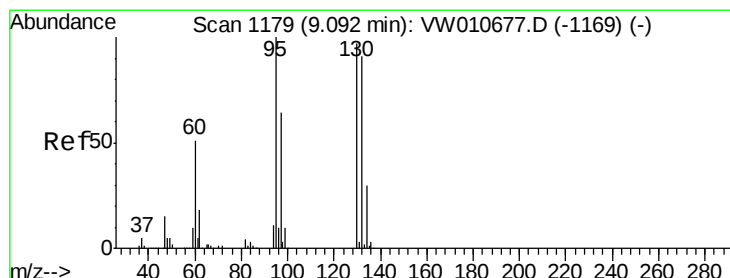
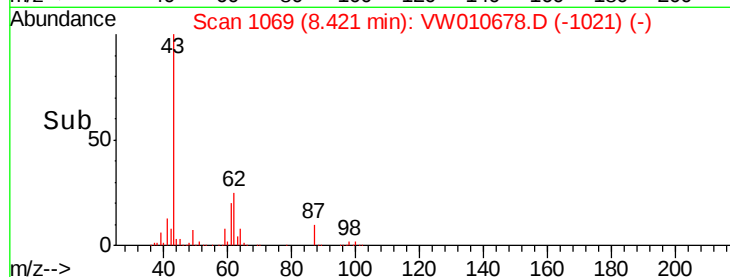
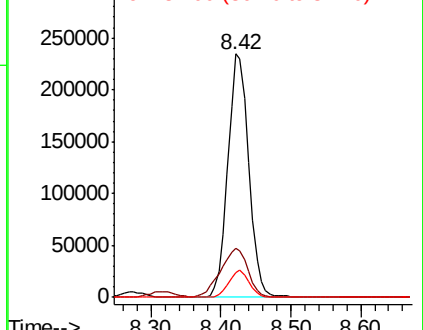
43 100

61 26.2 21.2 31.8

87 10.7 8.3 12.5



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: 97.398 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010678.D

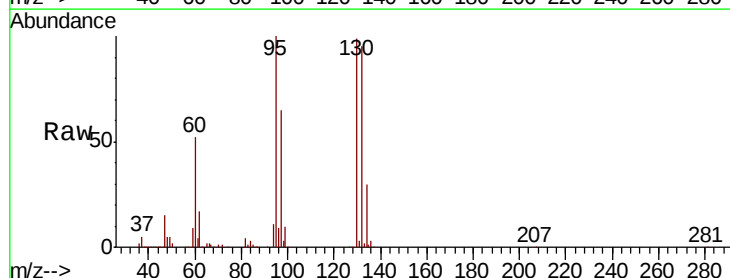
Acq: 04 Jun 2019 16:08

Tgt Ion:130 Resp: 288746

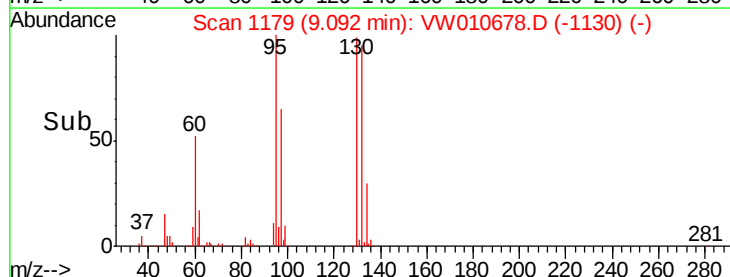
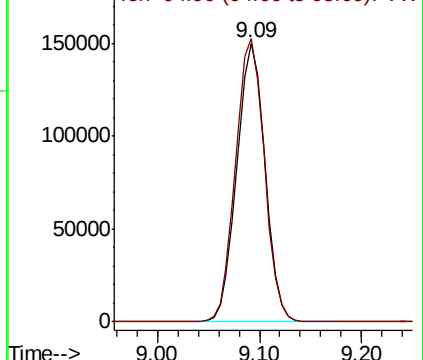
Ion Ratio Lower Upper

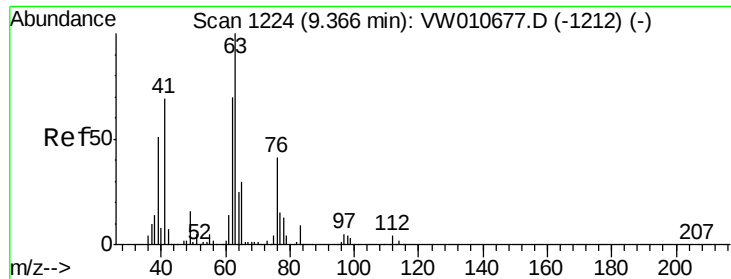
130 100

95 101.5 0.0 207.0



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

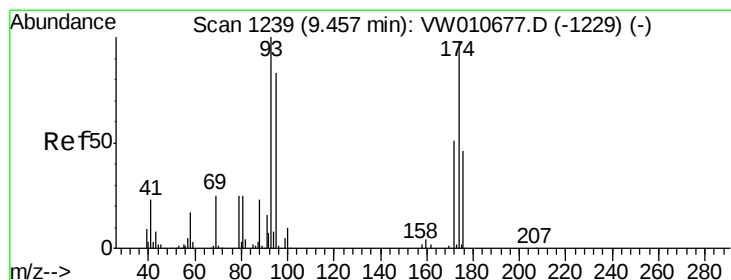
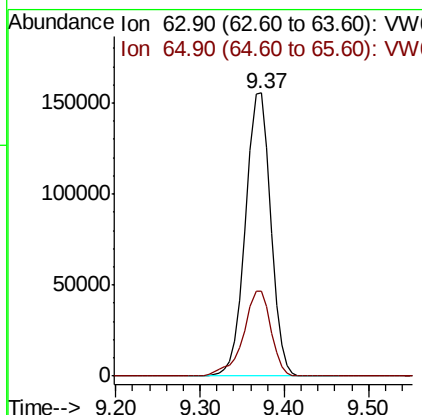
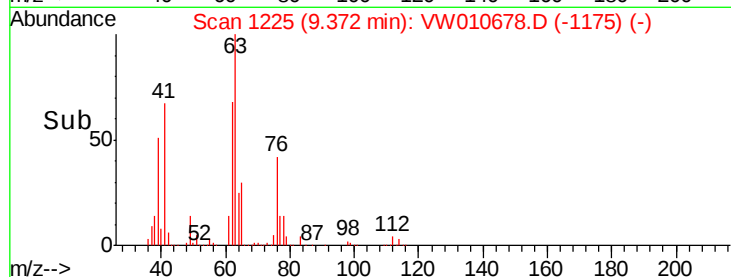
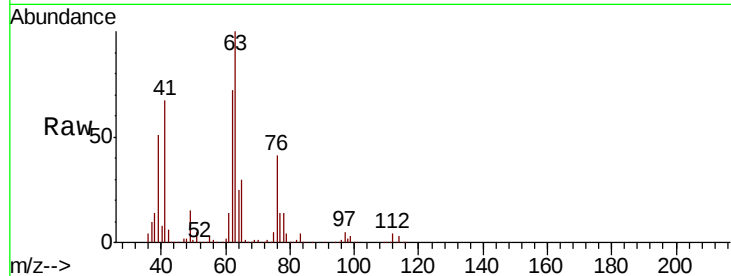




#45
 1,2-Dichloropropane
 Concen: 98.670 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

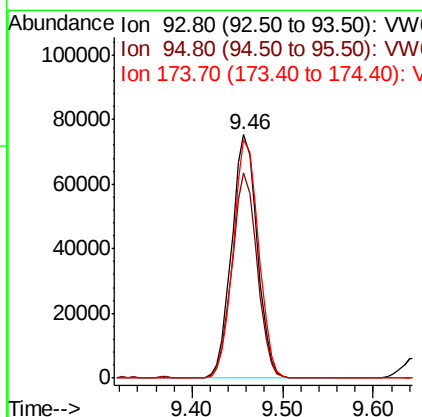
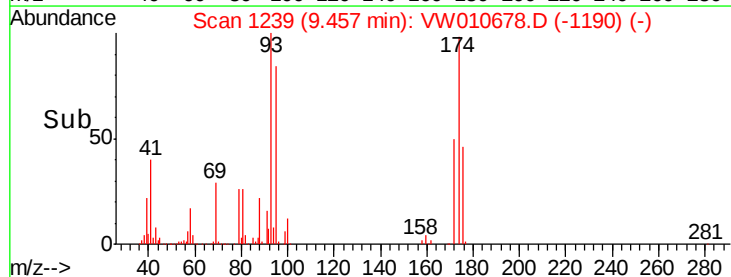
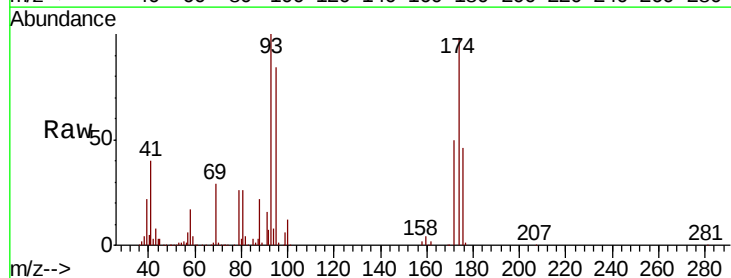
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

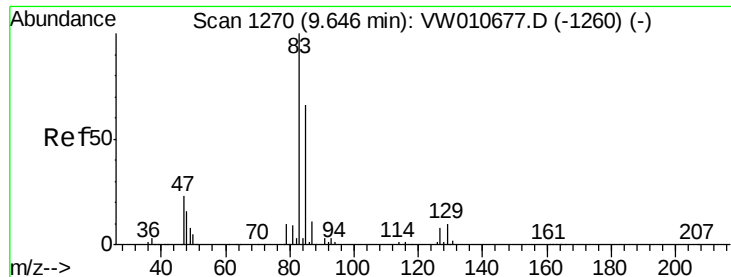
Tot Ion: 63 Resp: 313905
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6



#46
 Dibromomethane
 Concen: 99.521 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion: 93 Resp: 147059
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.8 98.8
 174 97.7 77.4 116.0

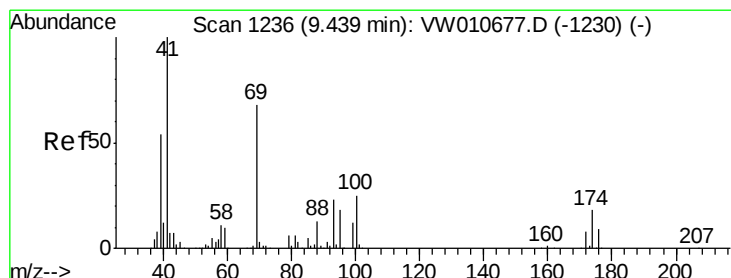
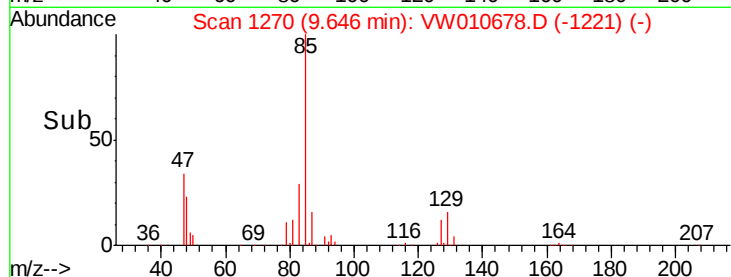
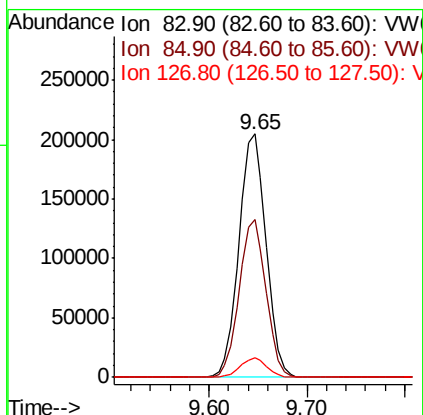
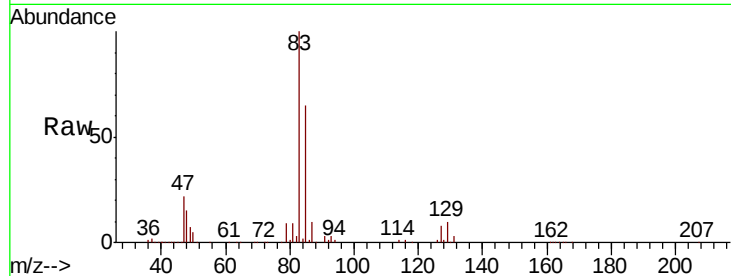




#47
 Bromodichloromethane
 Concen: 102.661 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

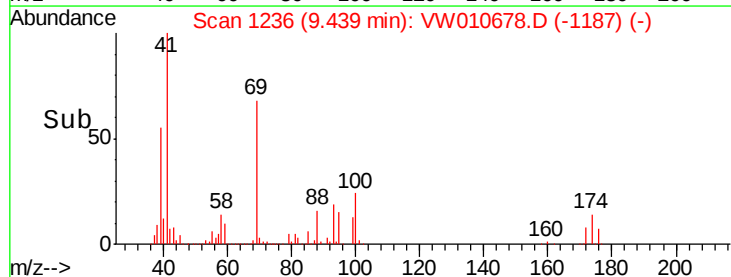
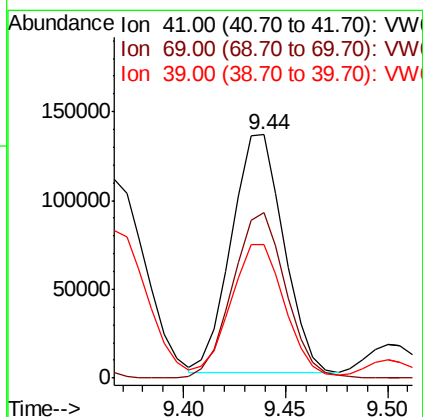
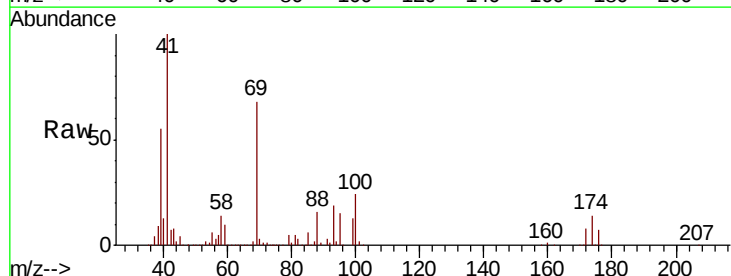
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

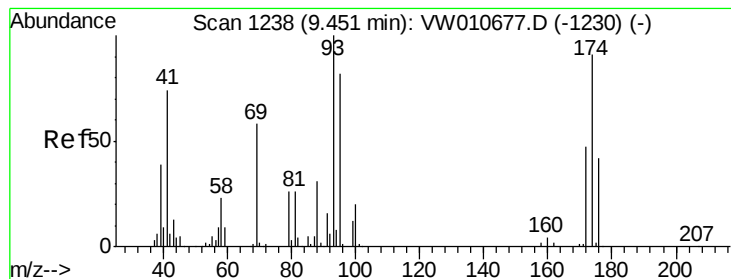
Tot Ion	83	Resp	393228
Ion Ratio	Lower	Upper	
83	100		
85	64.7	53.0	79.4
127	8.0	6.4	9.6



#48
 Methyl methacrylate
 Concen: 104.722 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	41	Resp	238131
Ion Ratio	Lower	Upper	
41	100		
69	71.1	56.6	85.0
39	55.3	44.4	66.6





#49

1,4-Dioxane

Concen: 2102.880 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

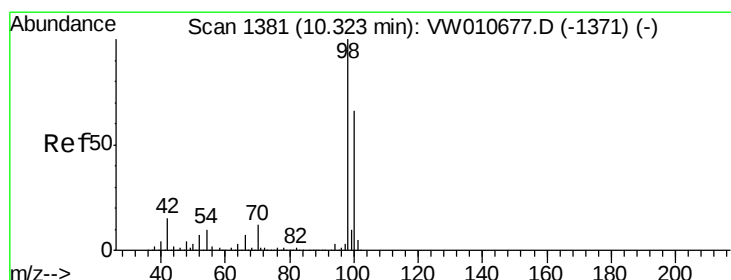
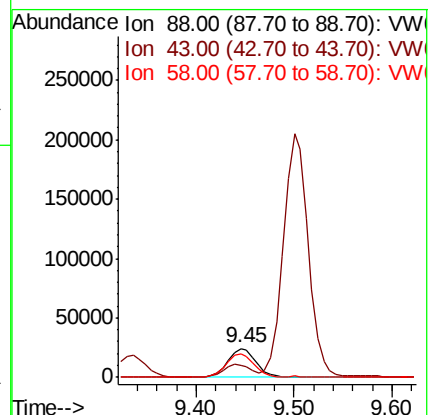
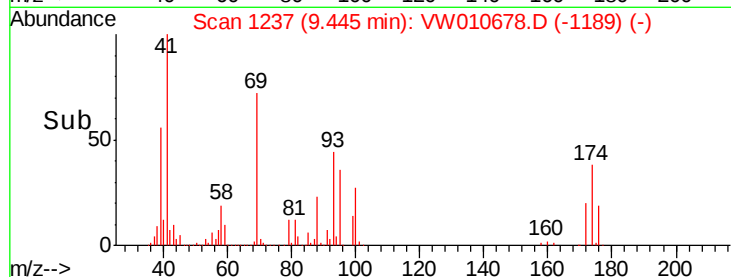
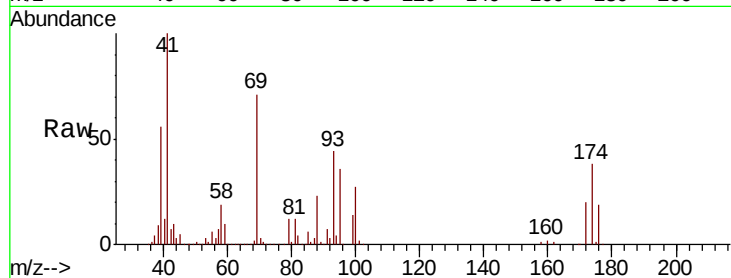
Tot Ion: 88 Resp: 48582

Ion Ratio Lower Upper

88 100

43 42.5 34.2 51.4

58 81.5 69.0 103.4



#50

Toluene-d8

Concen: 102.667 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010678.D

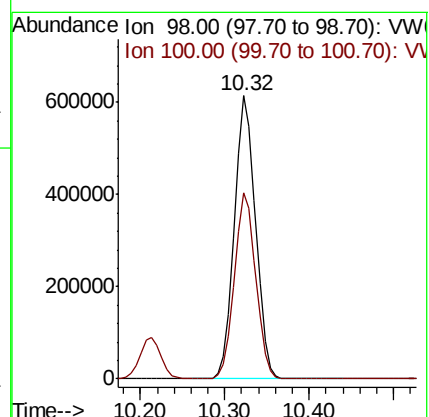
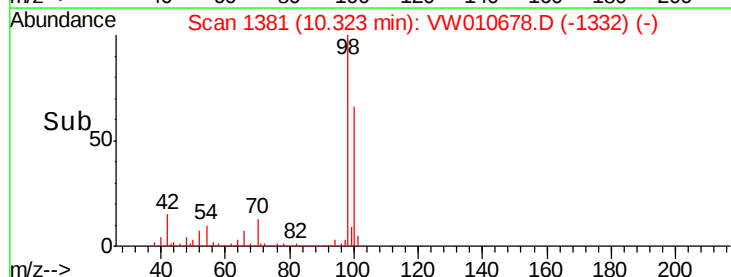
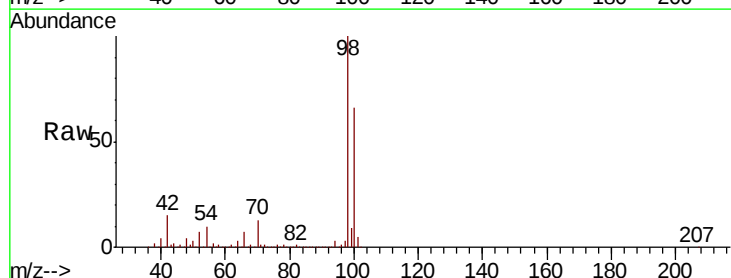
Acq: 04 Jun 2019 16:08

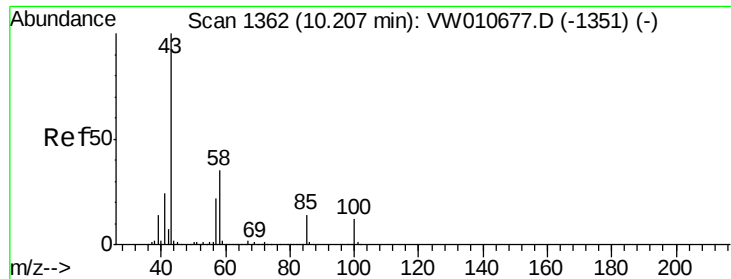
Tgt Ion: 98 Resp: 1051681

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 517.522 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

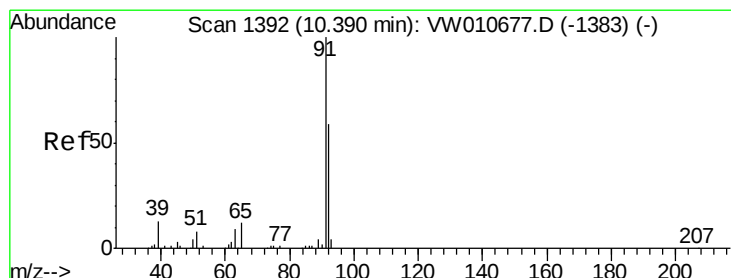
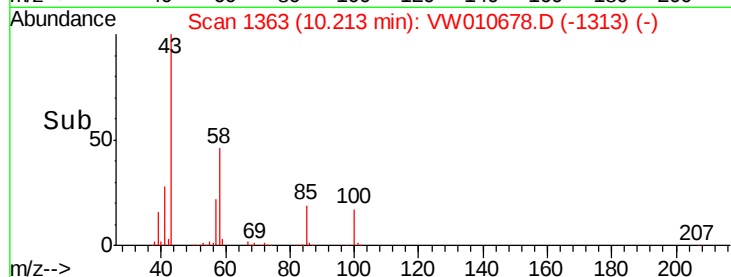
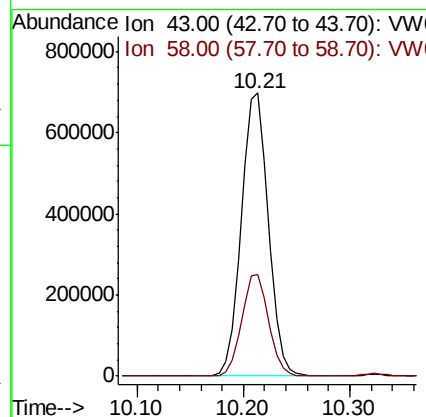
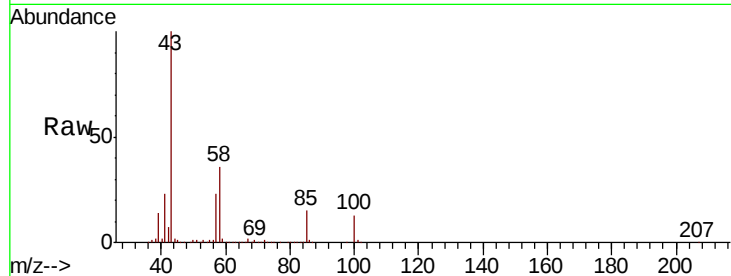
VSTDIC100

Tot Ion: 43 Resp: 1246922

Ion Ratio Lower Upper

43 100

58 35.7 28.4 42.6



#52

Toluene

Concen: 98.046 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010678.D

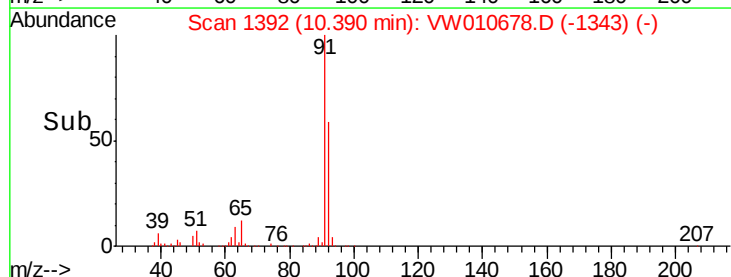
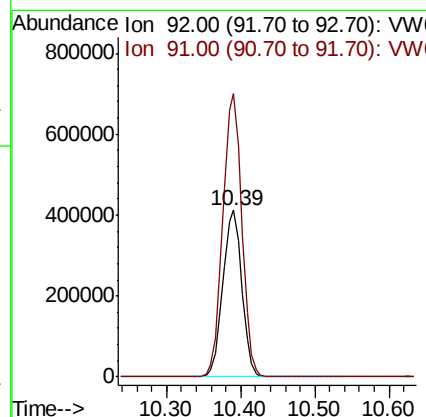
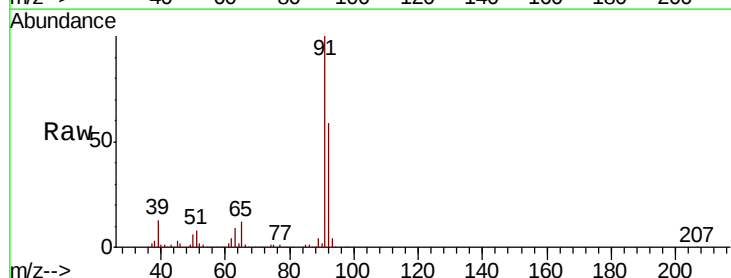
Acq: 04 Jun 2019 16:08

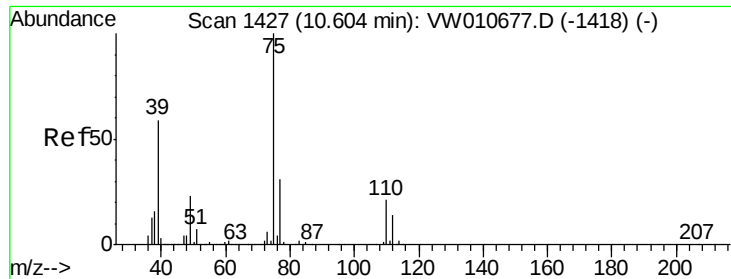
Tgt Ion: 92 Resp: 725004

Ion Ratio Lower Upper

92 100

91 170.1 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 104.452 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

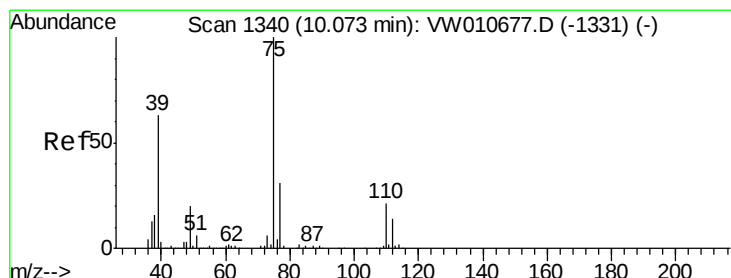
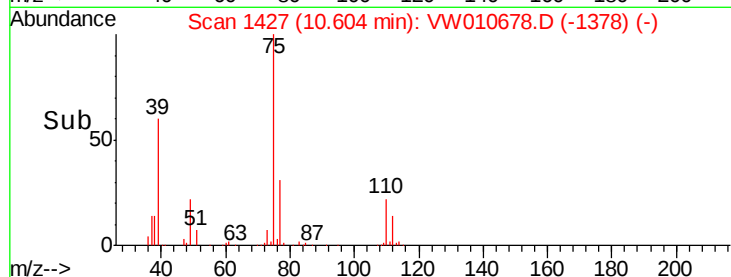
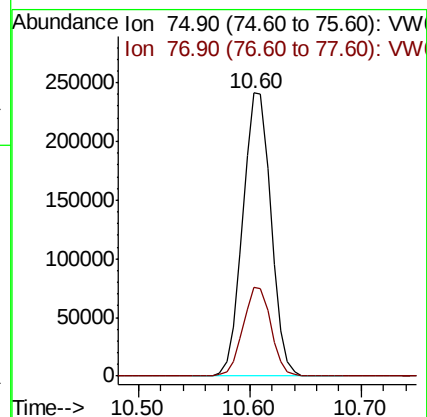
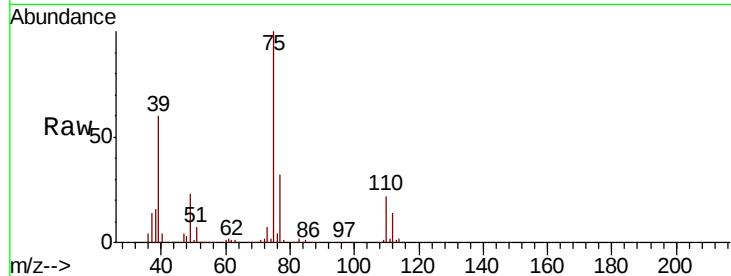
VSTDIC100

Tot Ion: 75 Resp: 423770

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 103.161 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

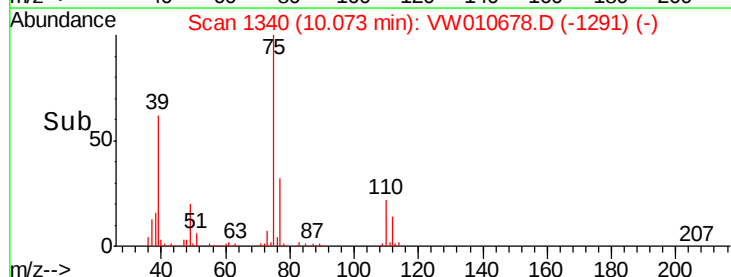
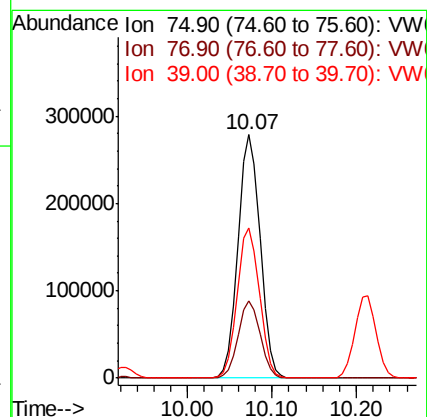
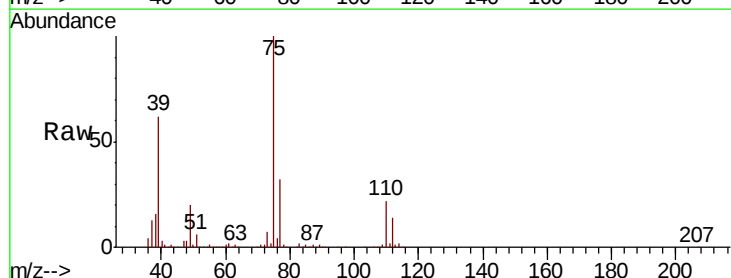
Tgt Ion: 75 Resp: 492495

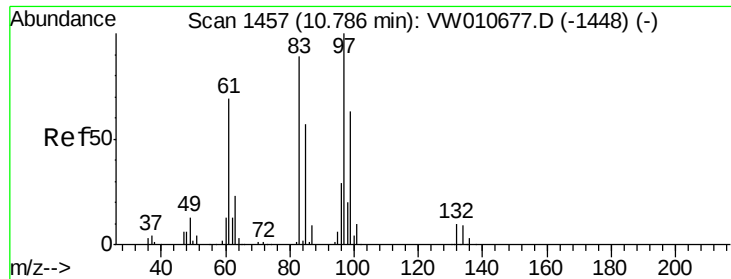
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 61.6 50.1 75.1



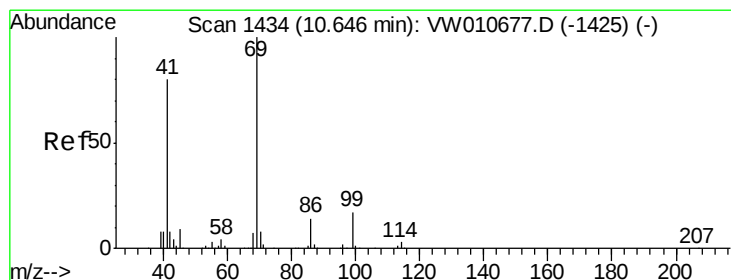
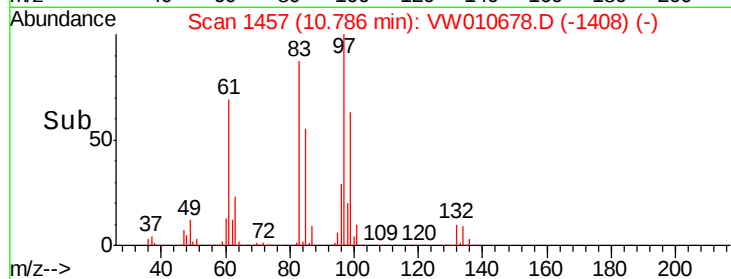
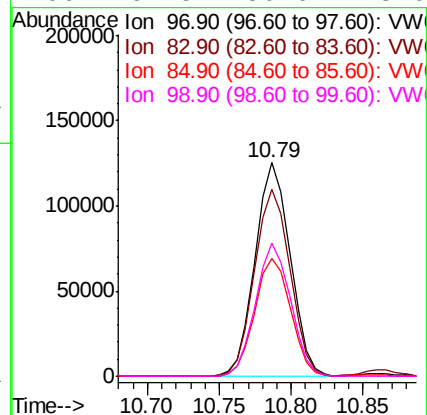
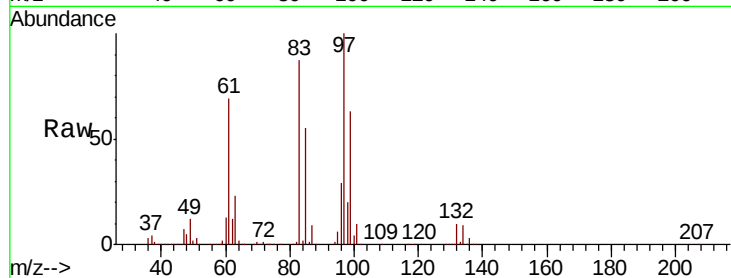


#55
 1,1,2-Trichloroethane
 Concen: 99.406 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 97 Resp: 211608

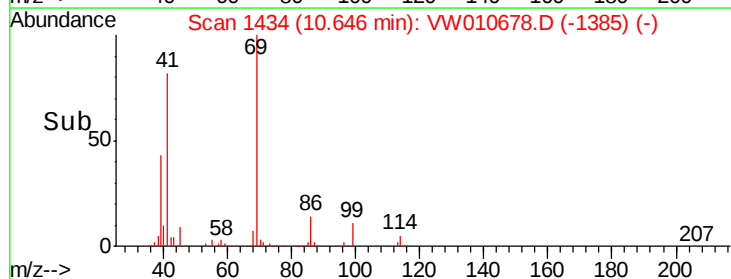
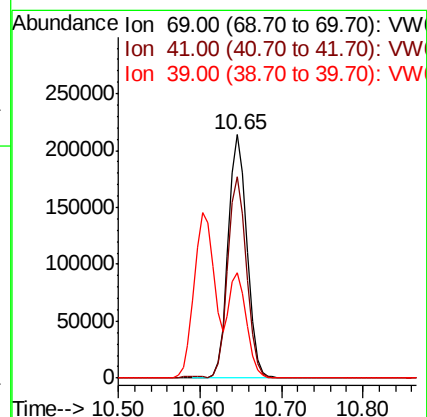
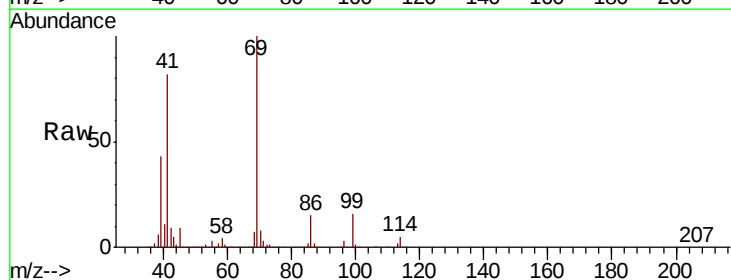
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.1	106.7
85	55.3	45.2	67.8
99	62.5	50.0	75.0

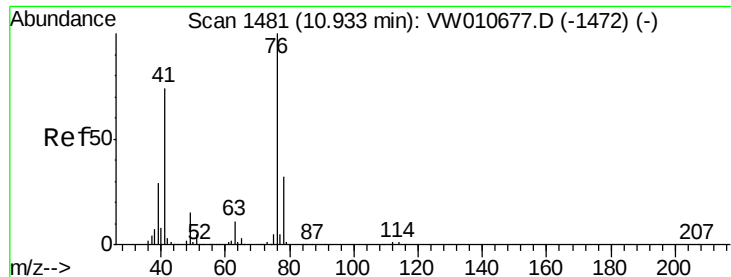


#56
 Ethyl methacrylate
 Concen: 104.327 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion: 69 Resp: 341728

Ion	Ratio	Lower	Upper
69	100		
41	81.8	64.8	97.2
39	41.0	32.2	48.2





#57

1,3-Dichloropropane

Concen: 100.022 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

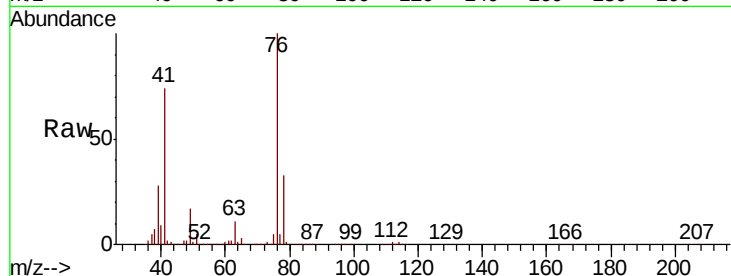
VSTDIC100

Tot Ion: 76 Resp: 401256

Ion Ratio Lower Upper

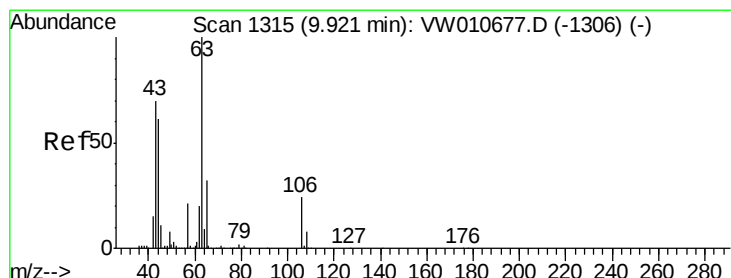
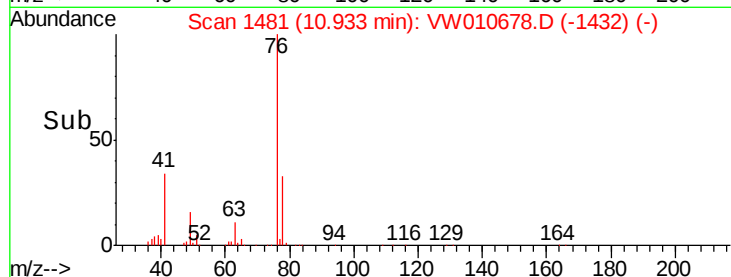
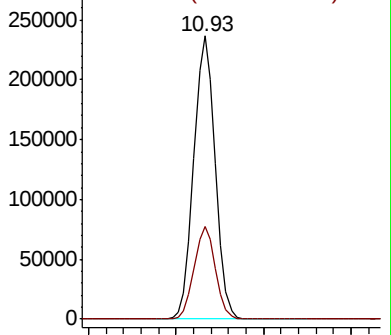
76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 517.639 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010678.D

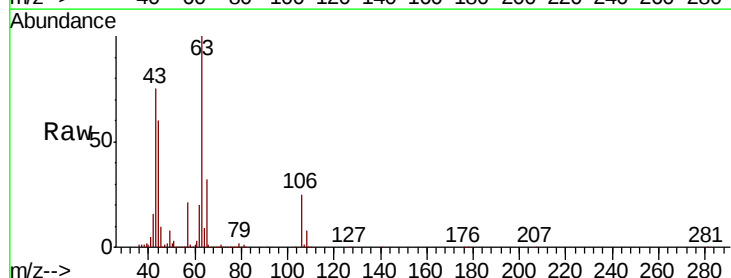
Acq: 04 Jun 2019 16:08

Tgt Ion: 63 Resp: 888092

Ion Ratio Lower Upper

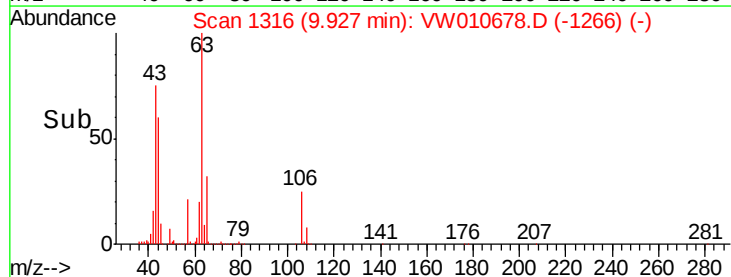
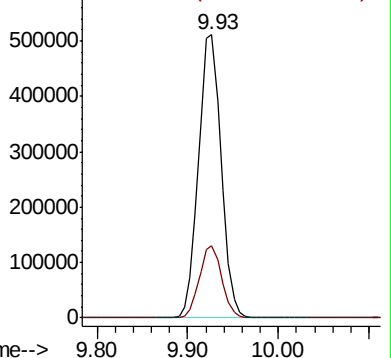
63 100

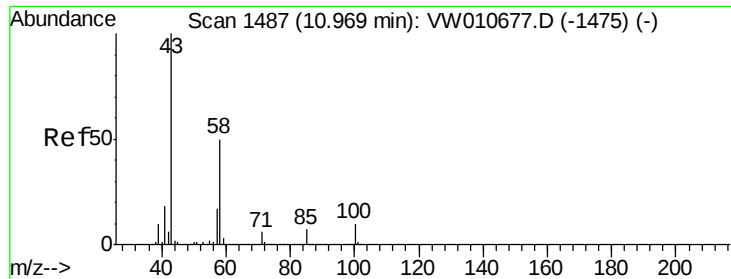
106 25.1 20.1 30.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

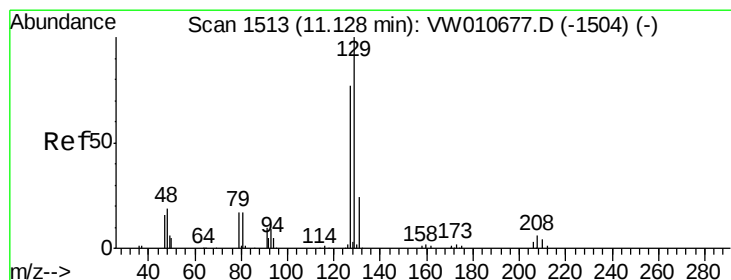
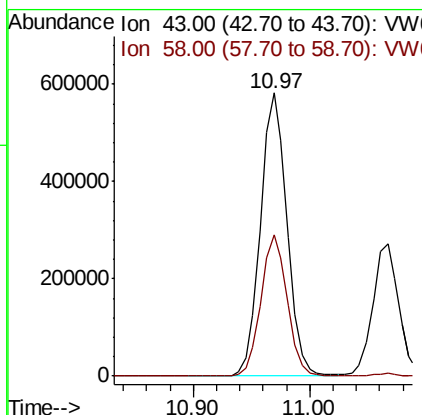
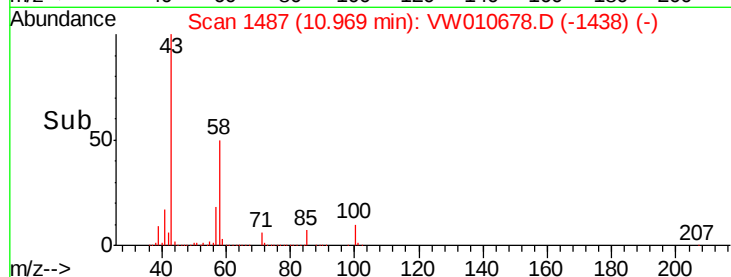
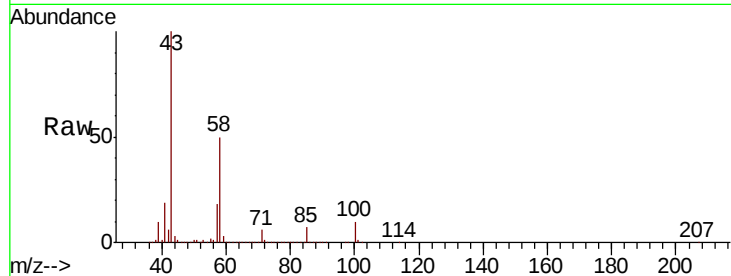




#59
2-Hexanone
Concen: 530.473 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

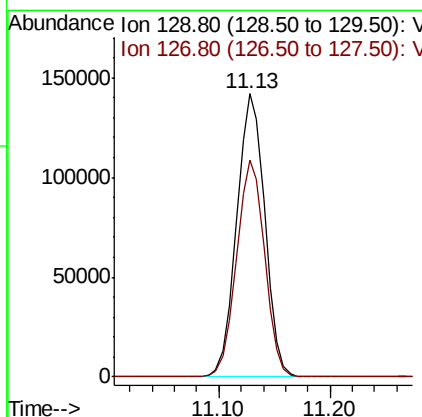
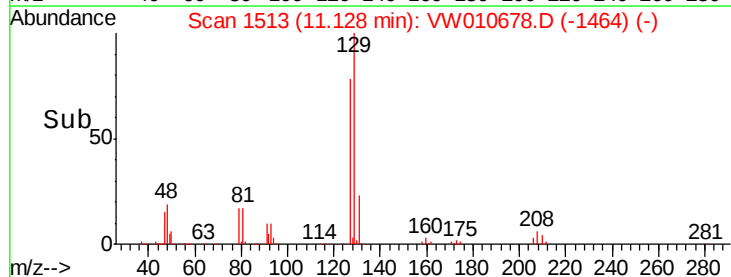
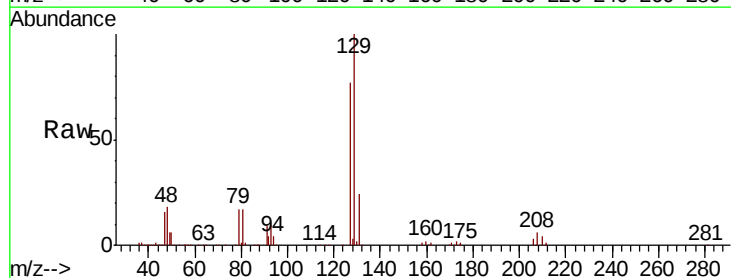
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

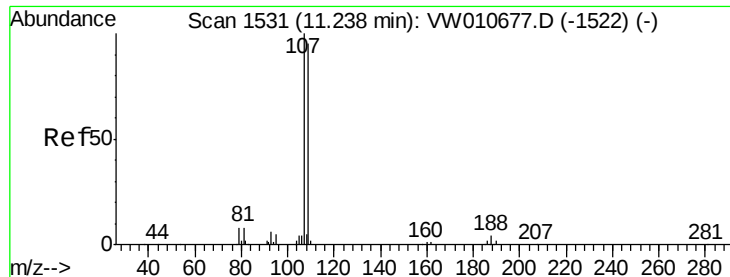
Tot Ion: 43 Resp: 923731
Ion Ratio Lower Upper
43 100
58 49.6 24.9 74.6



#60
Dibromochloromethane
Concen: 104.812 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 129 Resp: 247331
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 102.162 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

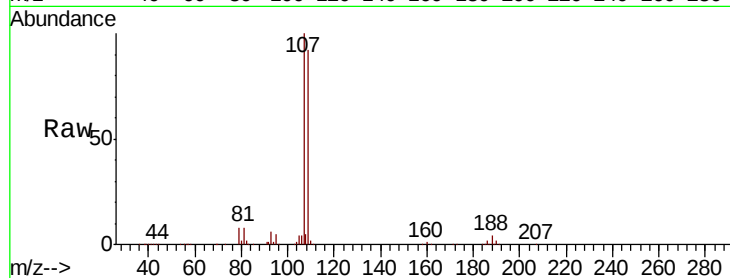
VSTDIC100

Tot Ion: 107 Resp: 206050

Ion Ratio Lower Upper

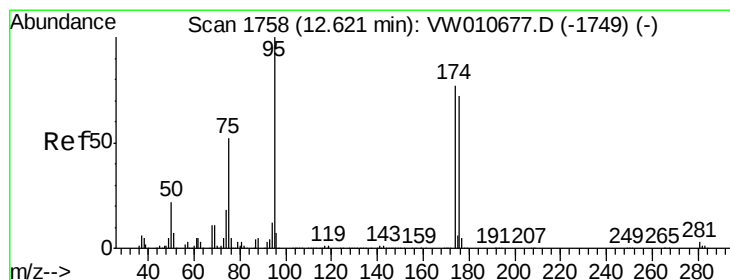
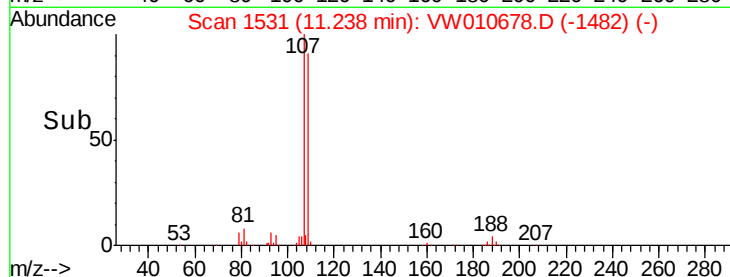
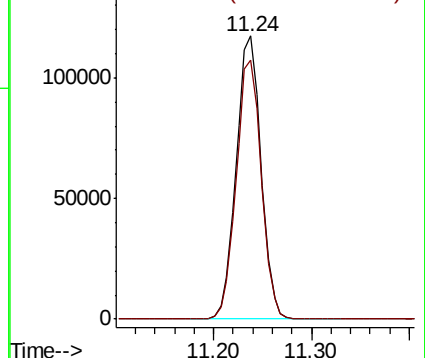
107 100

109 92.7 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 104.000 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

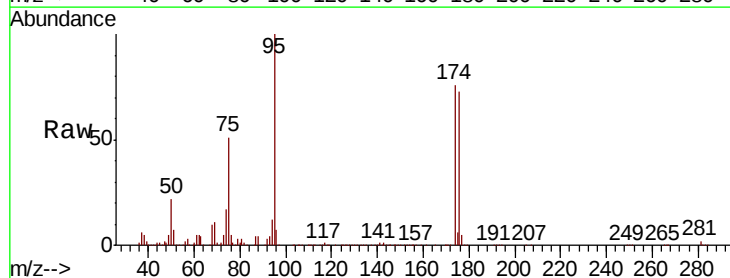
Tgt Ion: 95 Resp: 387662

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.4

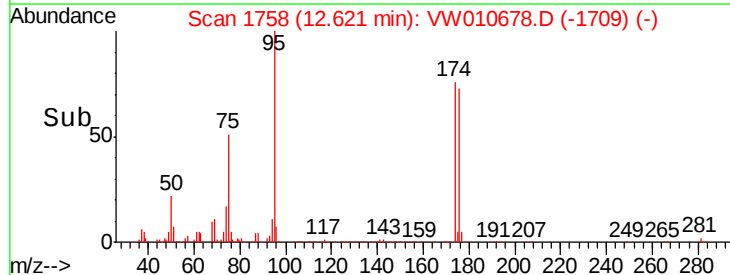
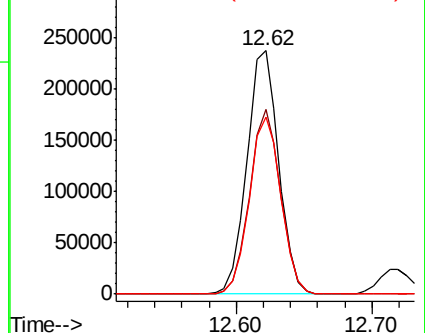
176 72.6 0.0 144.8

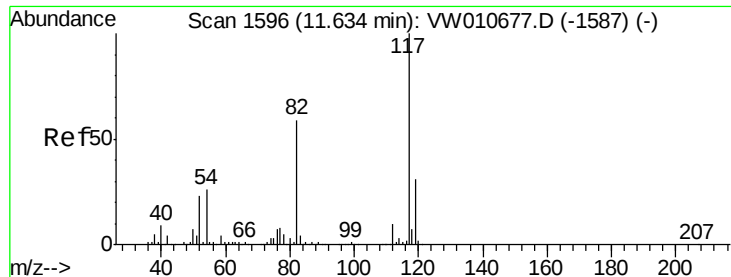


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

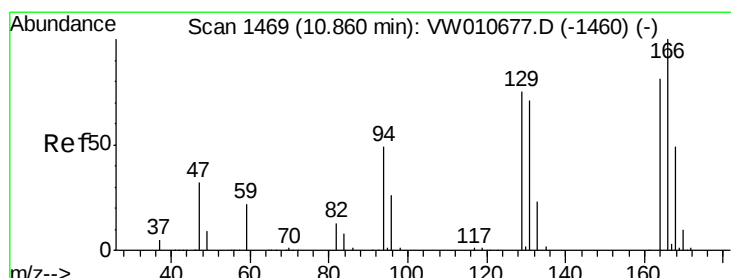
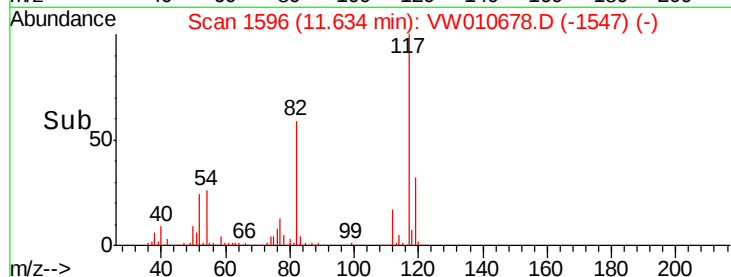
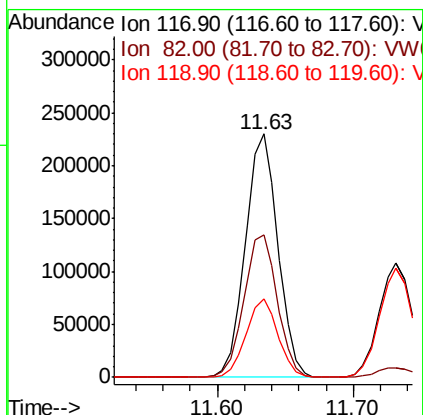
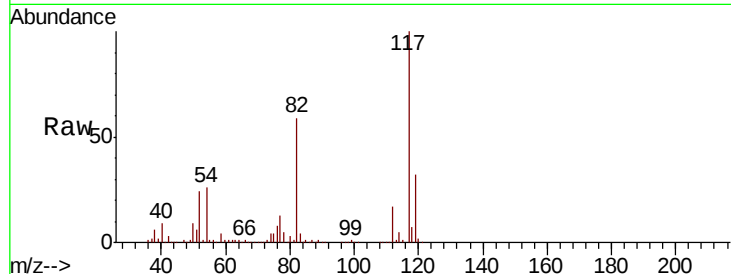




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

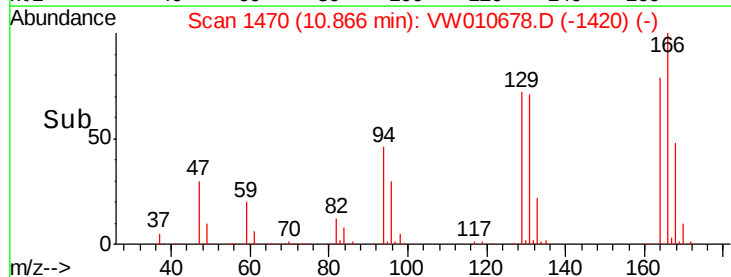
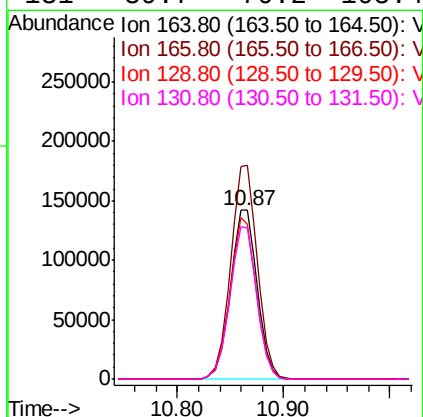
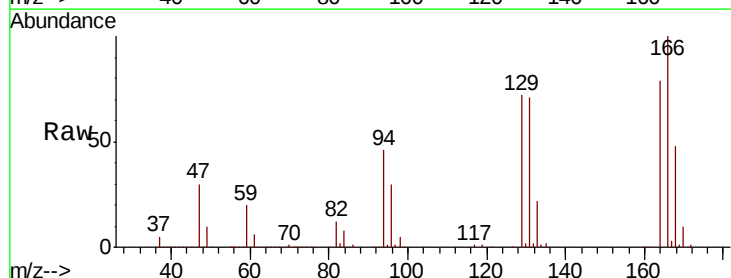
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

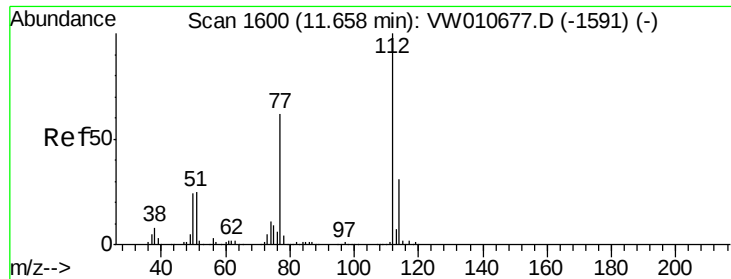
Tot Ion:117 Resp: 384958
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.4
119 32.4 25.1 37.7



#64
Tetrachloroethene
Concen: 97.499 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion:164 Resp: 249203
Ion Ratio Lower Upper
164 100
166 126.7 99.2 148.8
129 91.8 74.6 112.0
131 89.7 70.2 105.4

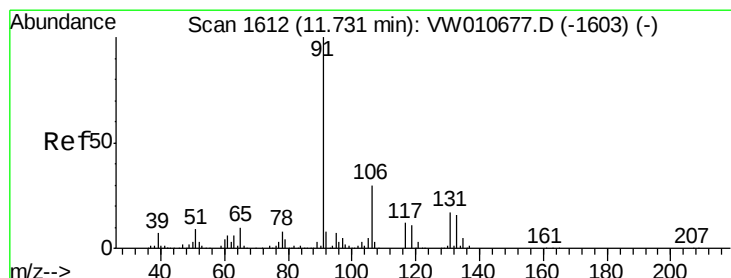
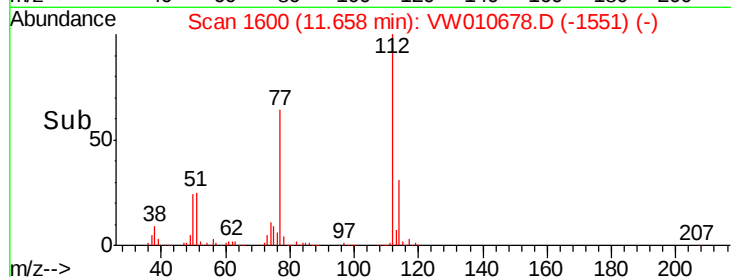
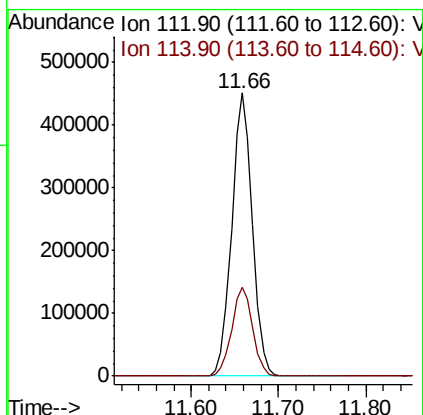
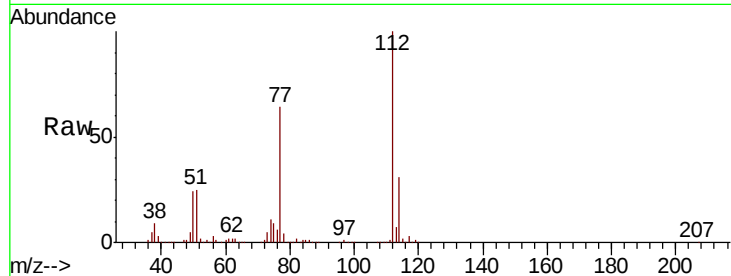




#65
Chlorobenzene
Concen: 97.479 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

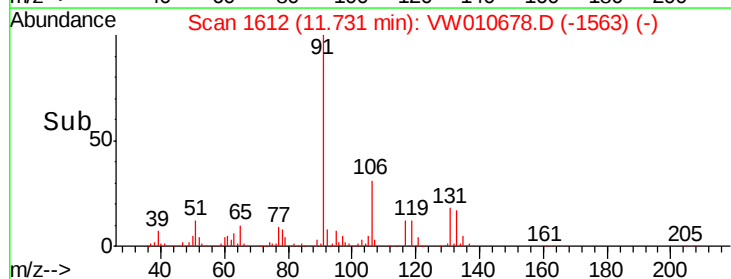
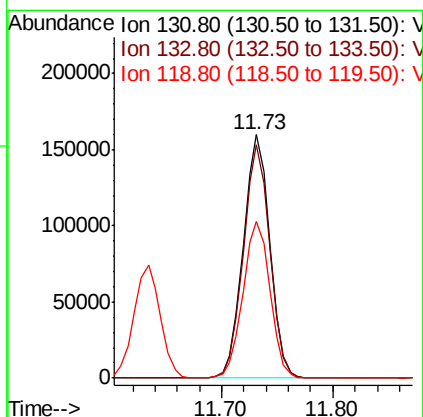
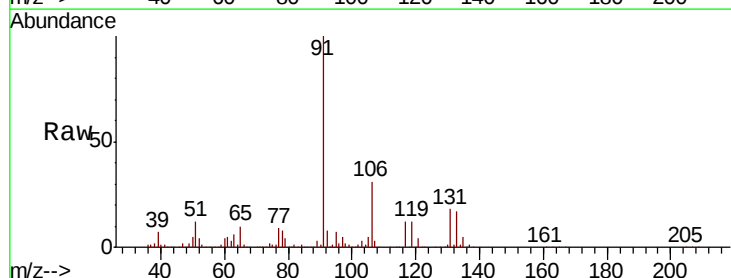
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

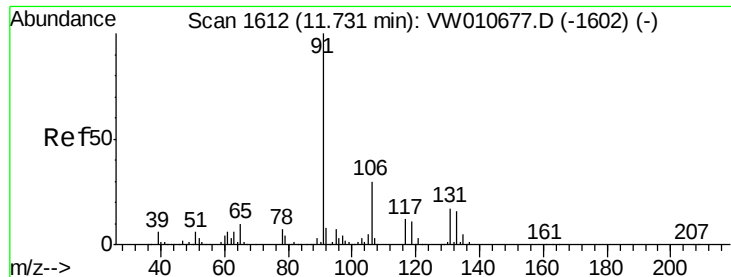
Tot Ion:112 Resp: 737932
Ion Ratio Lower Upper
112 100
114 31.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 100.761 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion:131 Resp: 264048
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 65.6 32.4 97.0

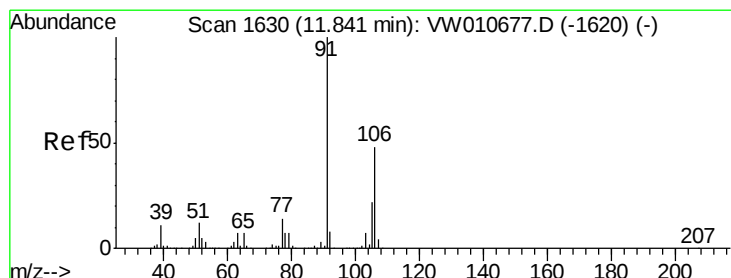
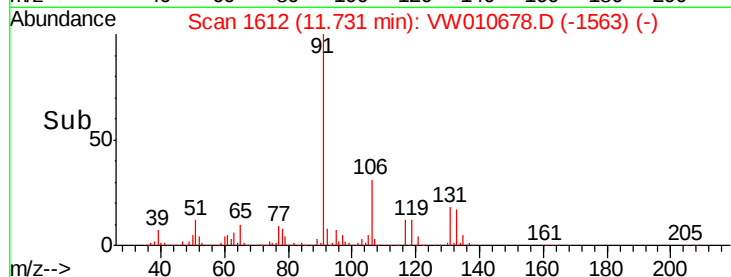
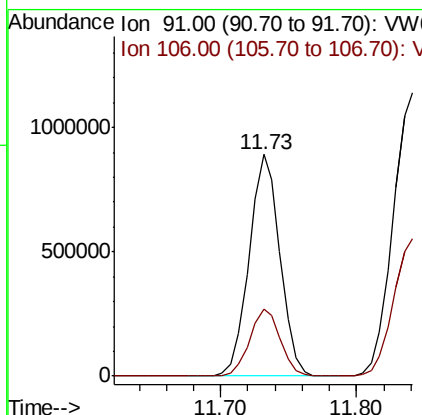
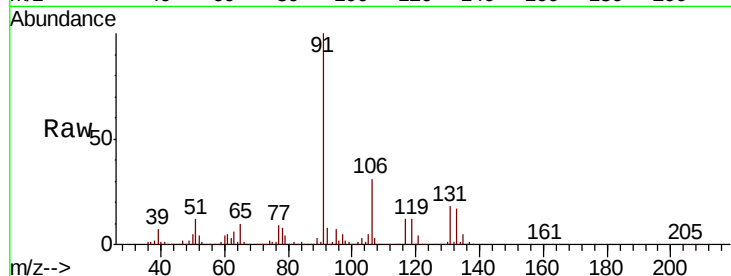




#67
Ethyl Benzene
Concen: 97.115 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

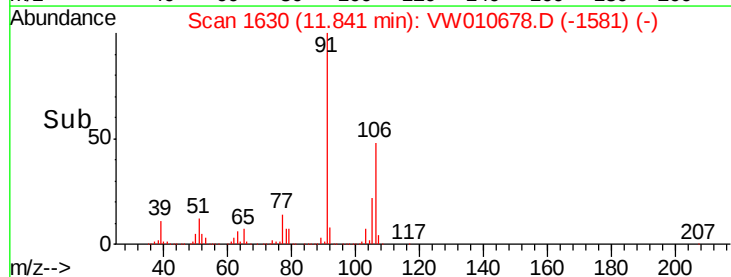
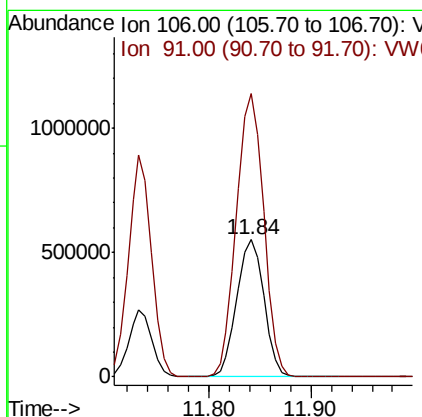
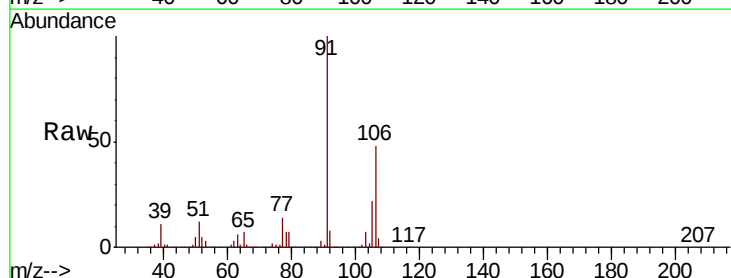
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

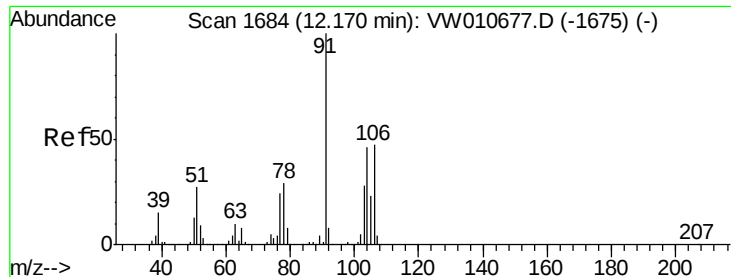
Tot Ion: 91 Resp: 1412893
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4



#68
m/p-Xylenes
Concen: 196.326 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 106 Resp: 1022477
Ion Ratio Lower Upper
106 100
91 207.2 166.5 249.7

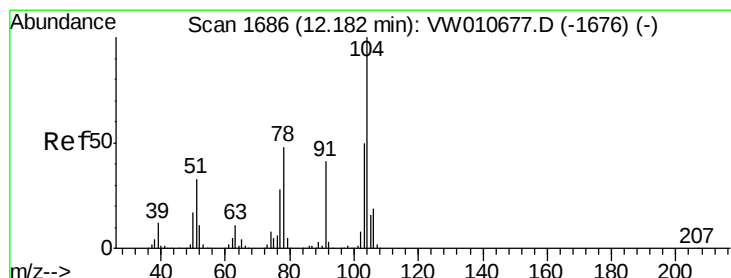
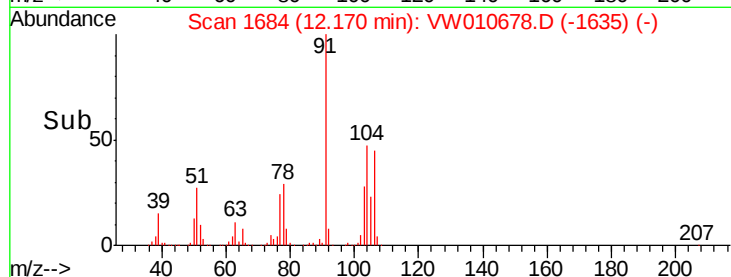
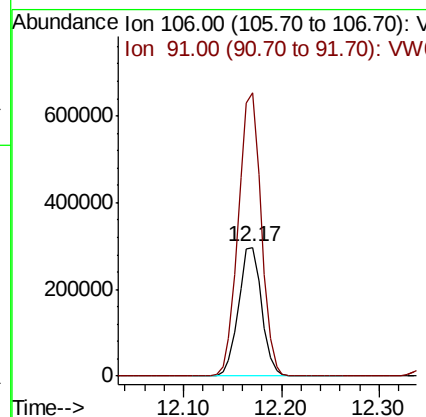
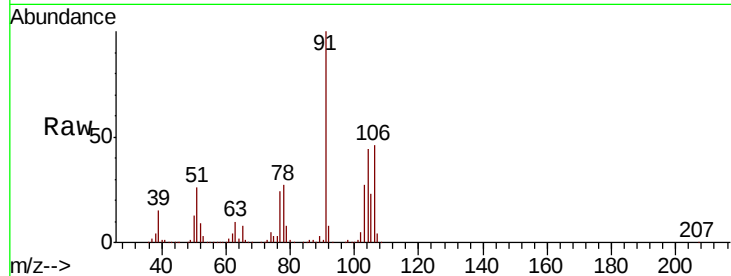




#69
o-Xylene
Concen: 98.672 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

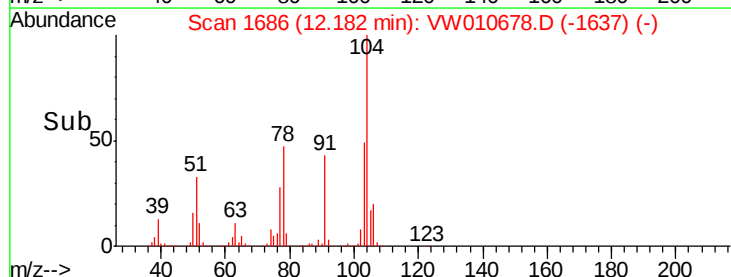
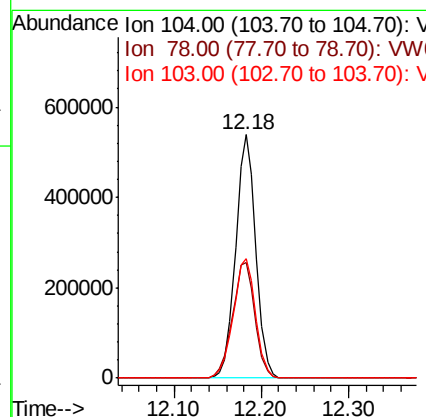
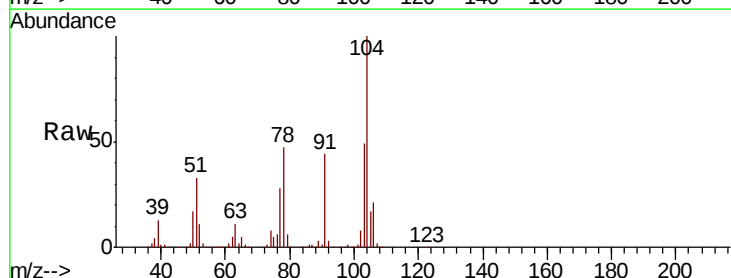
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

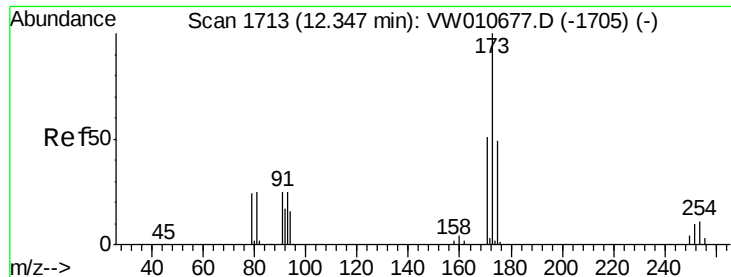
Tot Ion:106 Resp: 487384
Ion Ratio Lower Upper
106 100
91 217.8 108.9 326.6



#70
Styrene
Concen: 100.422 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion:104 Resp: 861670
Ion Ratio Lower Upper
104 100
78 52.8 42.7 64.1
103 54.0 43.6 65.4





#71

Bromoform

Concen: 107.250 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

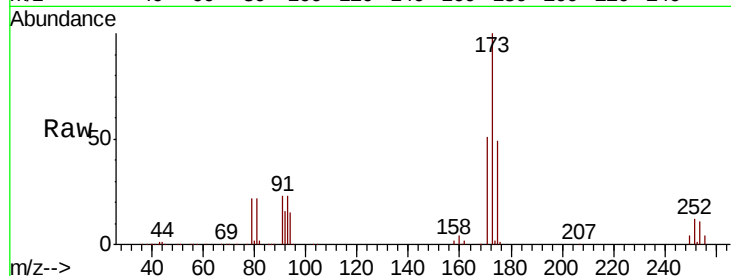
Tot Ion:173 Resp: 145355

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

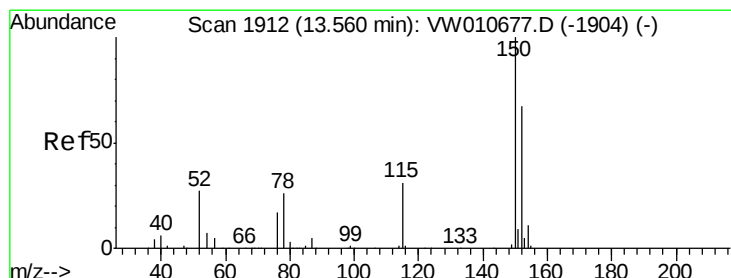
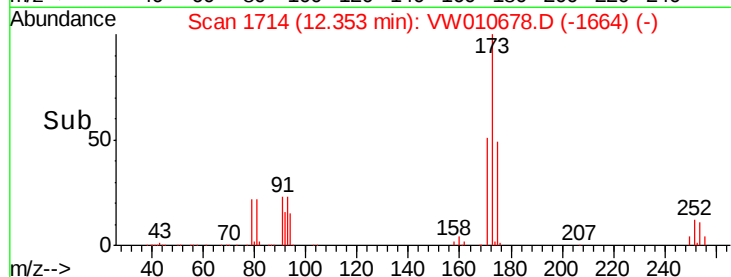
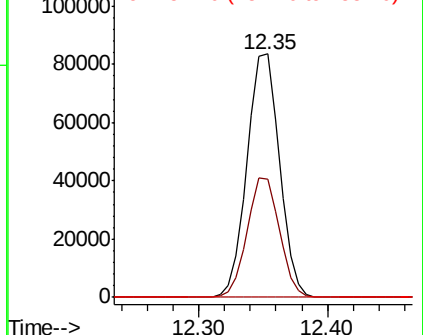
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

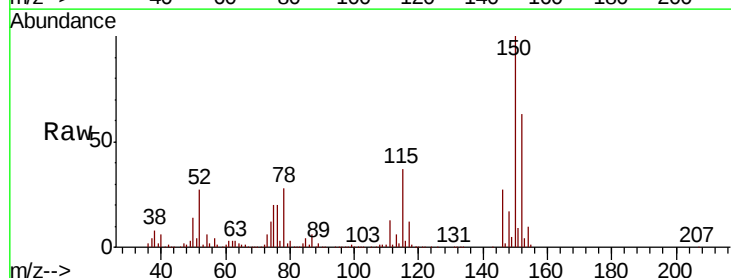
Tgt Ion:152 Resp: 187139

Ion Ratio Lower Upper

152 100

115 59.0 29.8 89.3

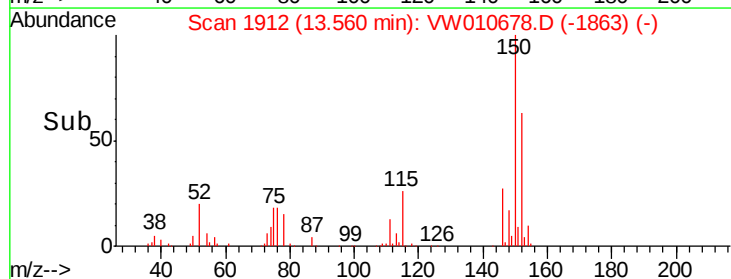
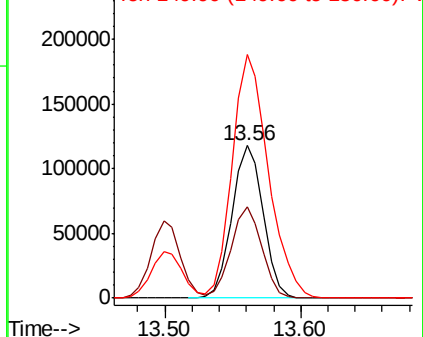
150 185.9 0.0 345.0

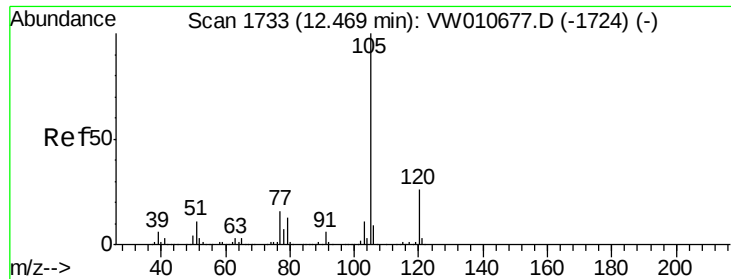


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 95.545 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

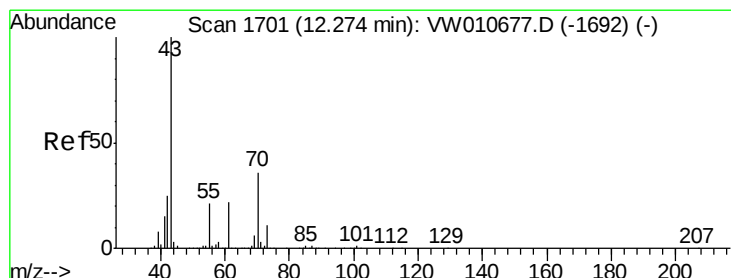
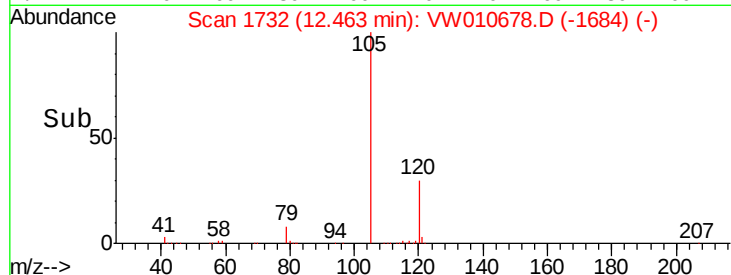
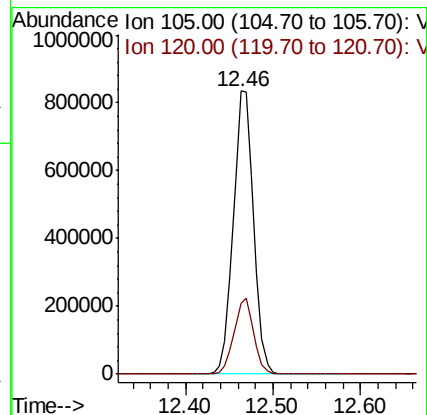
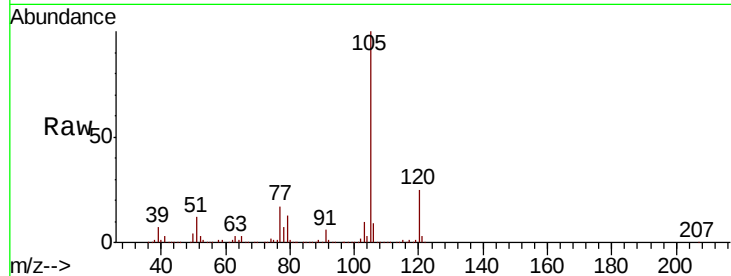
VSTDIC100

Tot Ion:105 Resp: 1343623

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 103.361 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion: 43 Resp: 469765

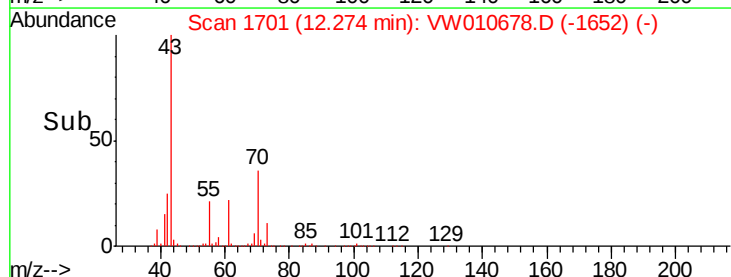
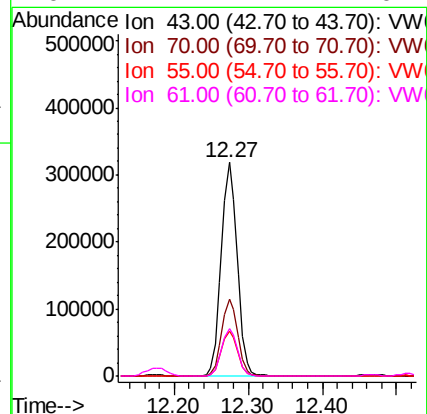
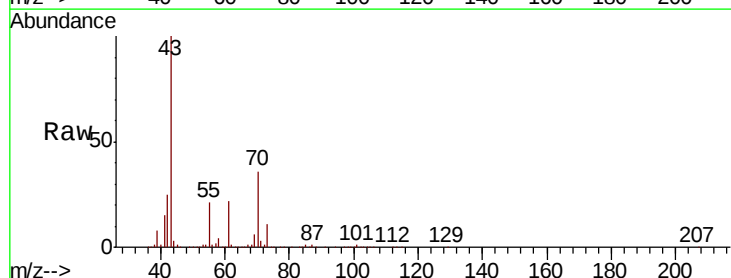
Ion Ratio Lower Upper

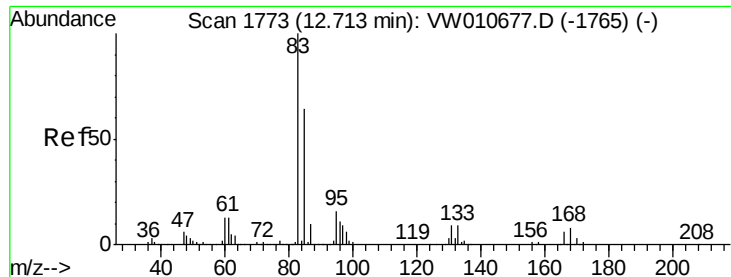
43 100

70 36.6 29.2 43.8

55 21.7 17.5 26.3

61 22.2 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 98.007 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

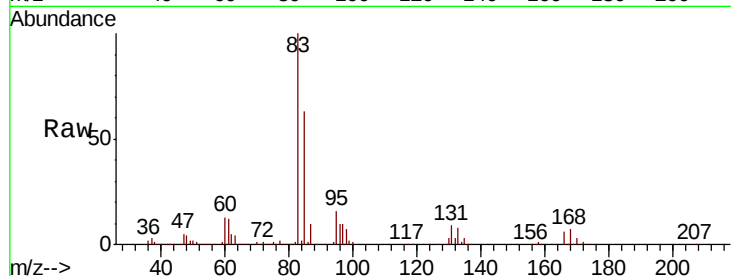
Tot Ion: 83 Resp: 262384

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

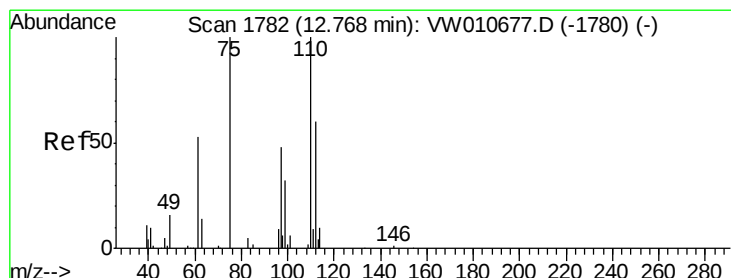
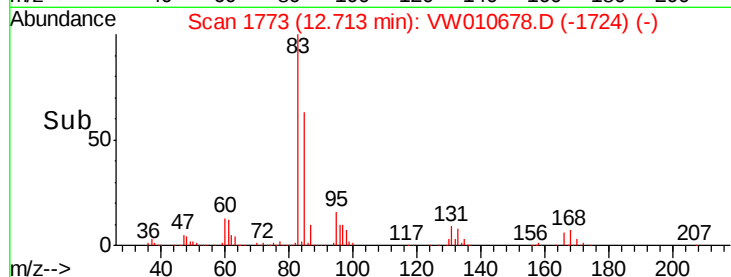
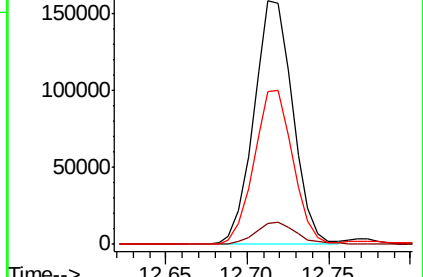
85 63.3 31.9 95.9



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: 132.076 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010678.D

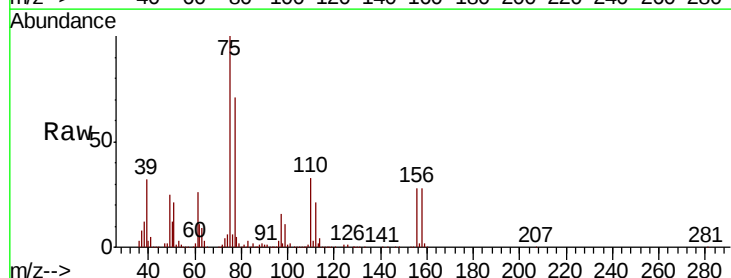
Acq: 04 Jun 2019 16:08

Tgt Ion: 75 Resp: 354087

Ion Ratio Lower Upper

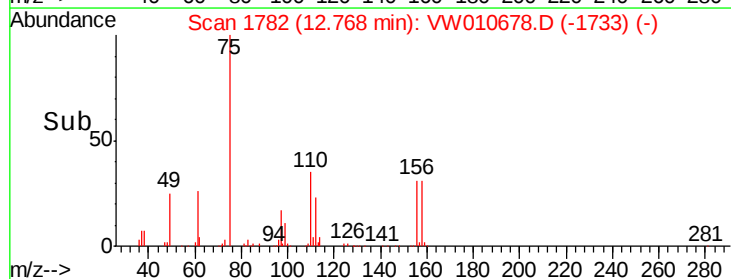
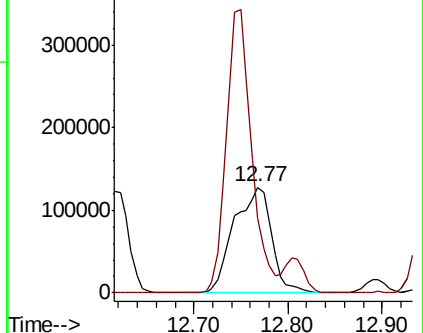
75 100

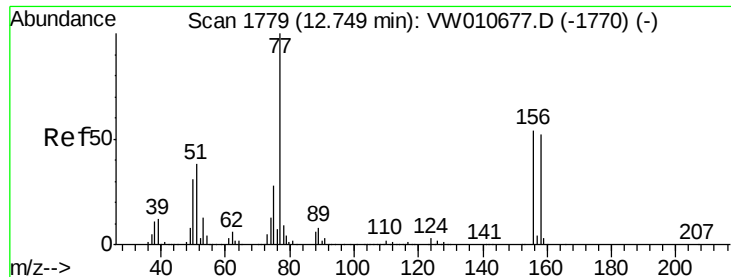
77 180.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 96.750 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

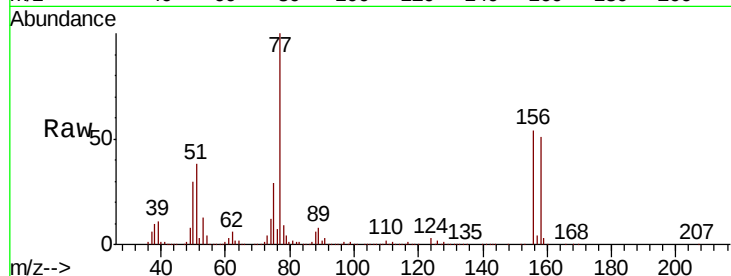
Tot Ion:156 Resp: 296992

Ion Ratio Lower Upper

156 100

77 214.9 106.5 319.4

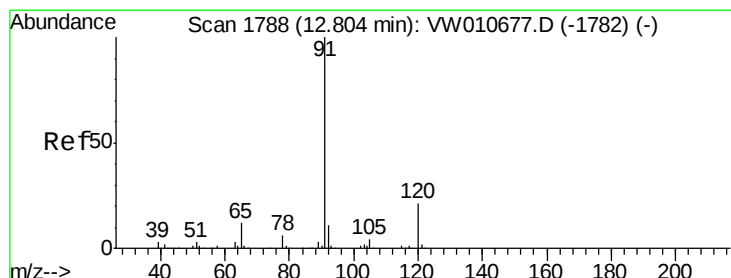
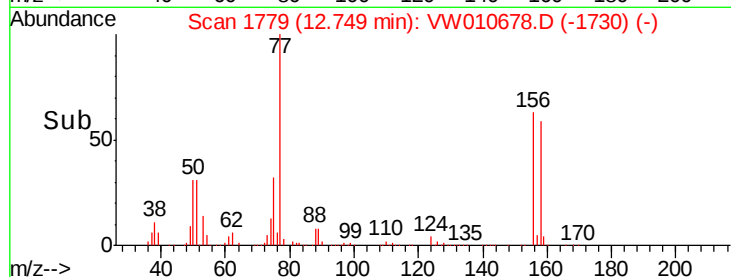
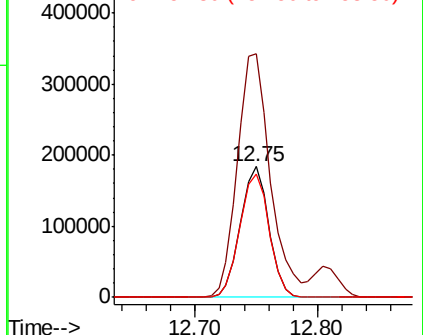
158 97.6 48.3 144.9



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: 95.395 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010678.D

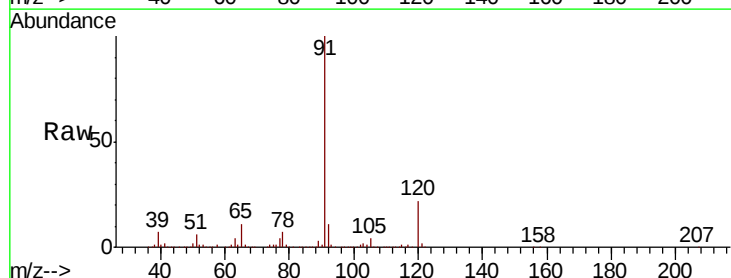
Acq: 04 Jun 2019 16:08

Tgt Ion: 91 Resp: 1617615

Ion Ratio Lower Upper

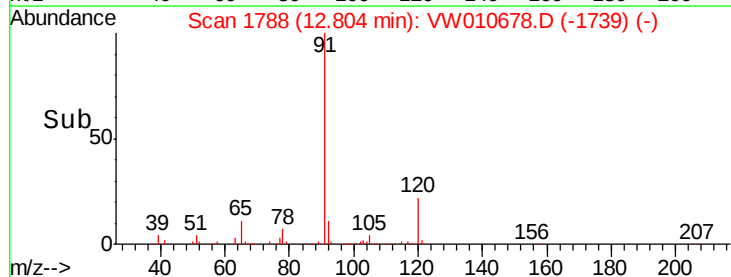
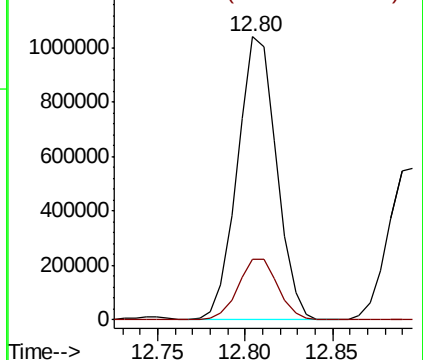
91 100

120 21.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 95.245 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

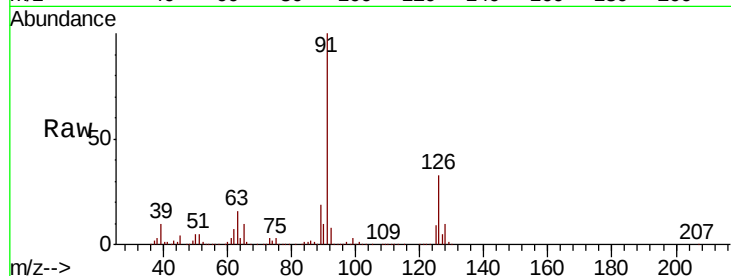
VSTDIC100

Tot Ion: 91 Resp: 922711

Ion Ratio Lower Upper

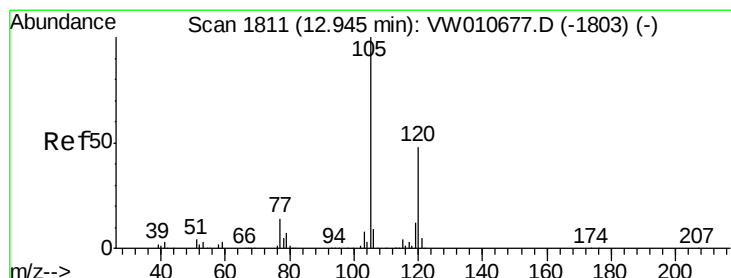
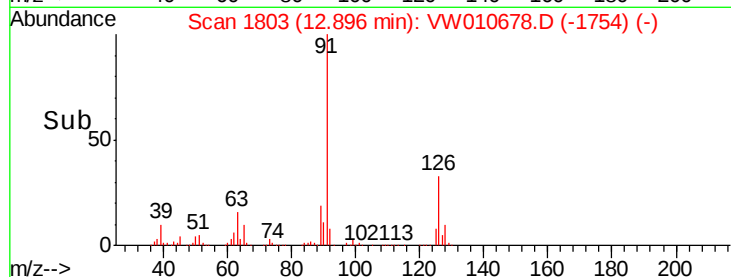
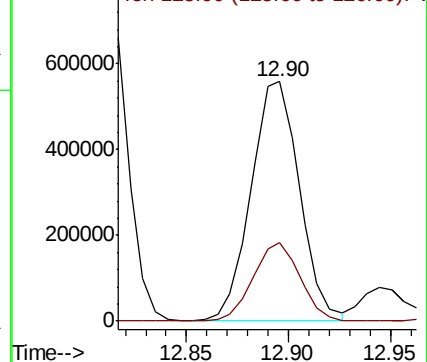
91 100

126 31.6 15.7 47.0



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: 95.625 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010678.D

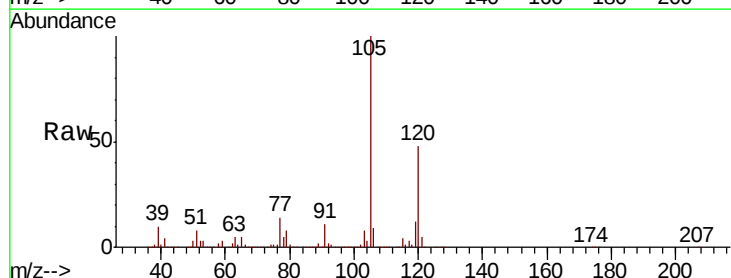
Acq: 04 Jun 2019 16:08

Tgt Ion:105 Resp: 1100703

Ion Ratio Lower Upper

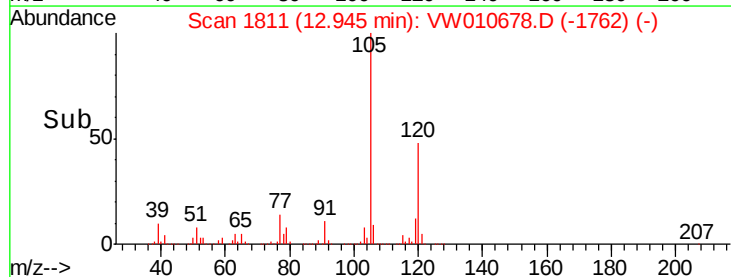
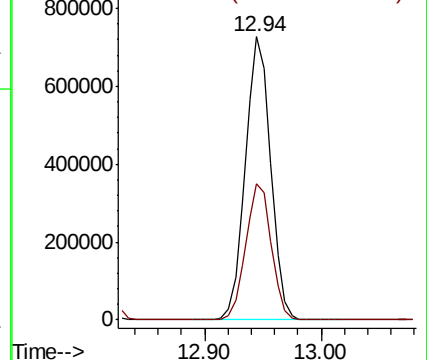
105 100

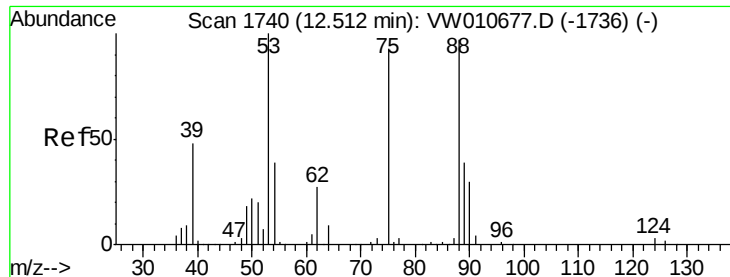
120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 106.442 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

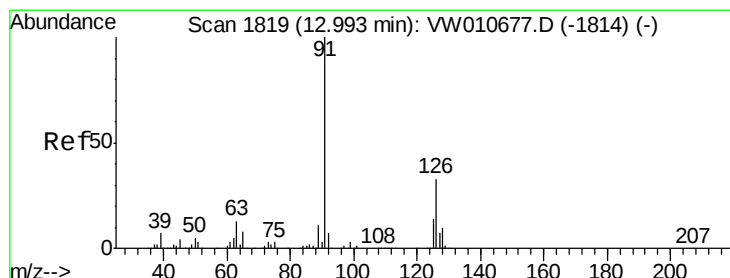
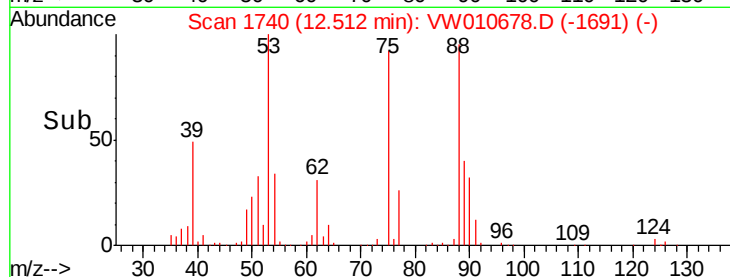
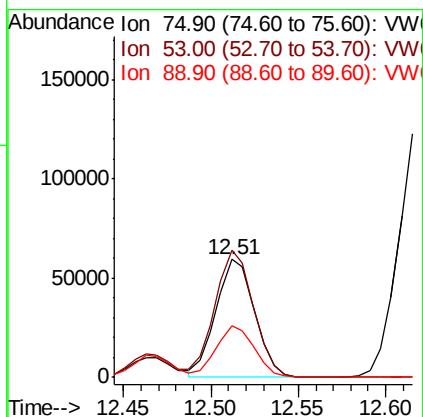
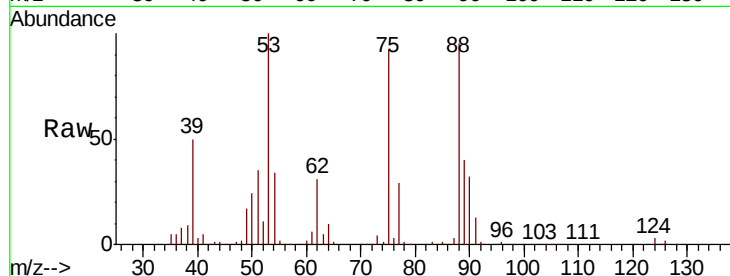
Tot Ion: 75 Resp: 91015

Ion Ratio Lower Upper

75 100

53 110.2 90.1 135.1

89 43.8 34.6 52.0



#82

4-Chlorotoluene

Concen: 95.850 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010678.D

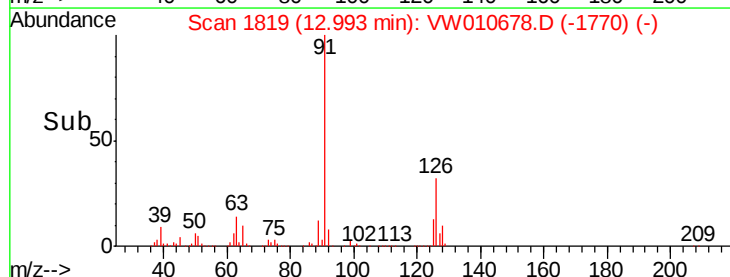
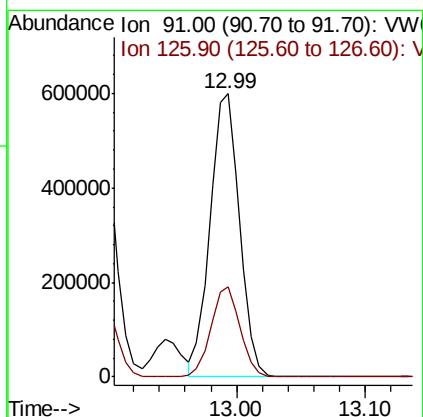
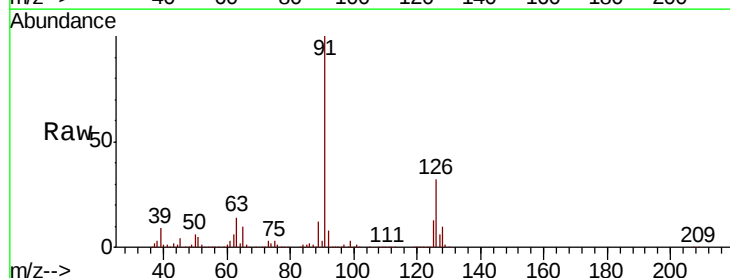
Acq: 04 Jun 2019 16:08

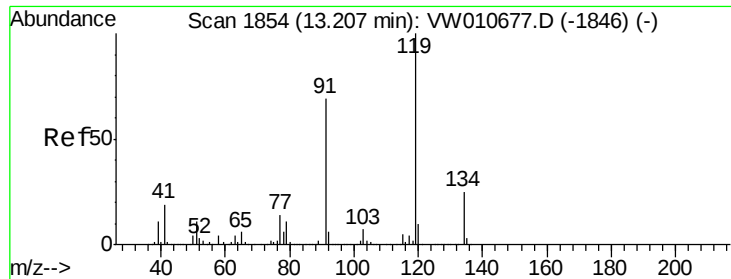
Tgt Ion: 91 Resp: 958246

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.7

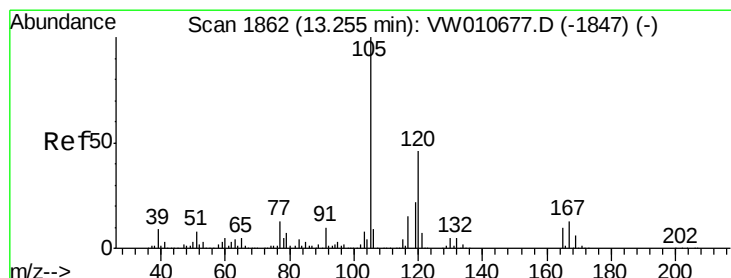
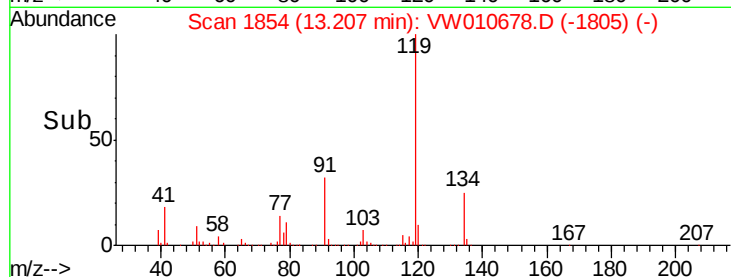
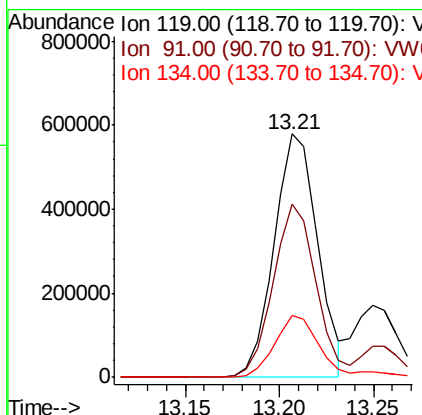
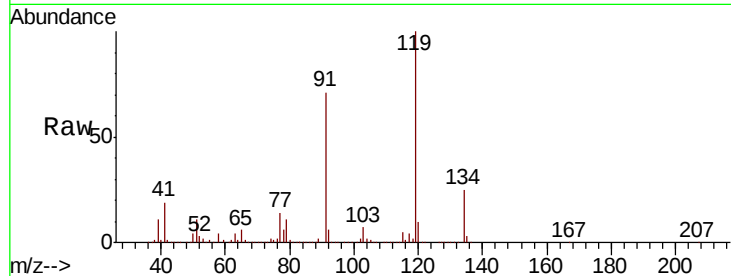




#83
tert-Butylbenzene
Concen: 94.814 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

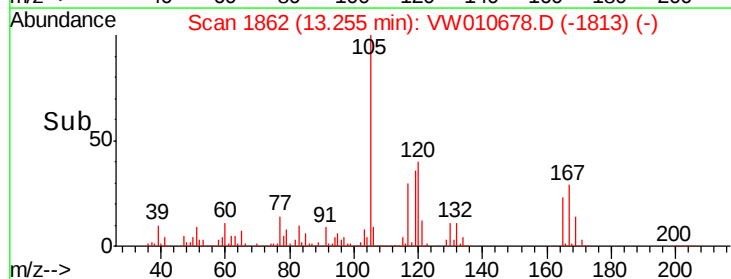
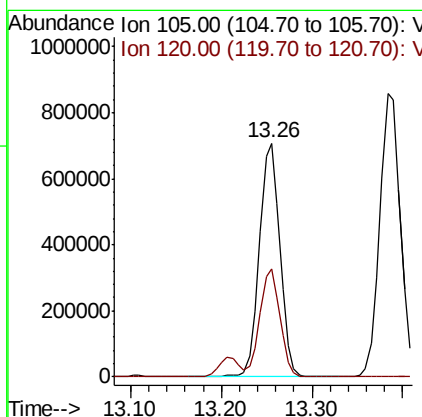
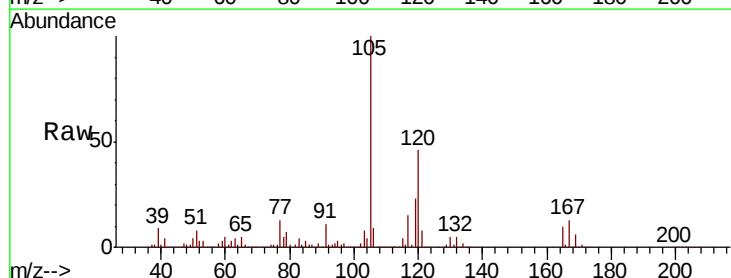
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

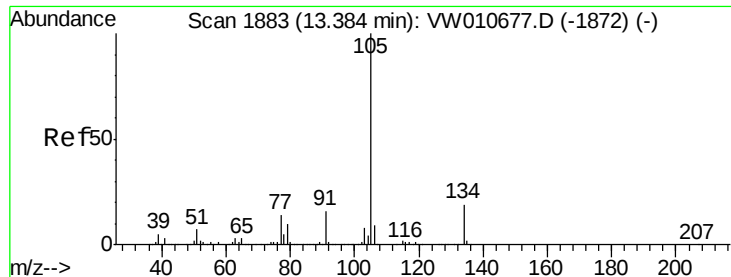
Tot Ion:119 Resp: 926218
Ion Ratio Lower Upper
119 100
91 70.2 35.1 105.3
134 27.2 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 95.541 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion:105 Resp: 1106653
Ion Ratio Lower Upper
105 100
120 45.2 22.5 67.5

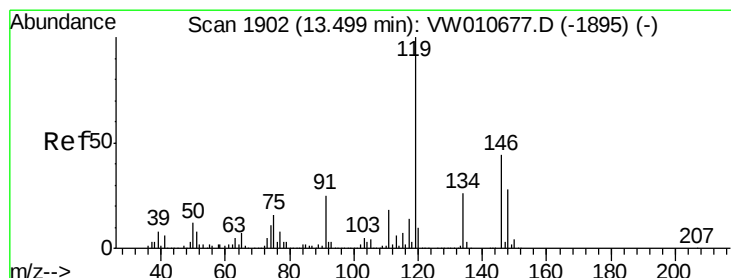
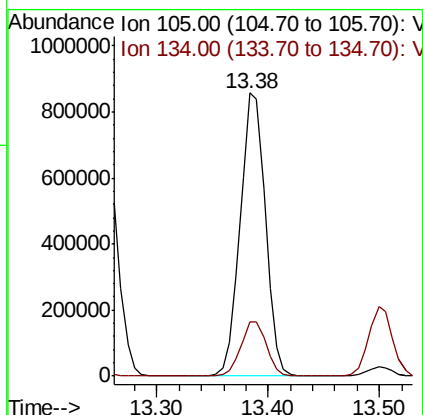
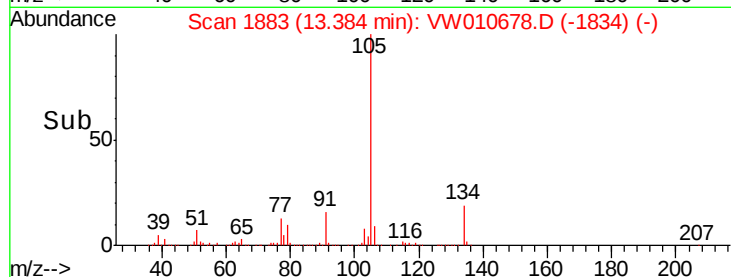
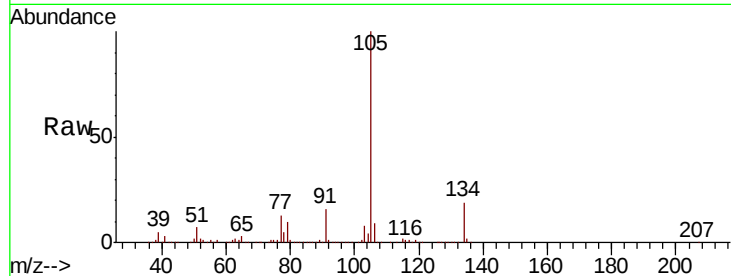




#85
 sec-Butylbenzene
 Concen: 94.527 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

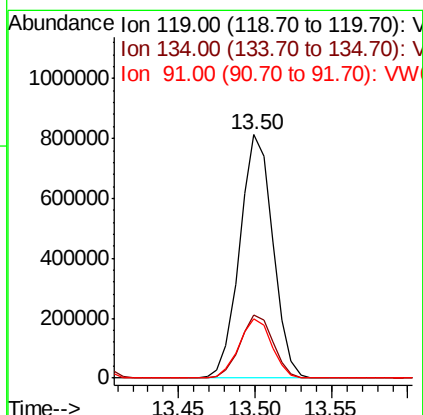
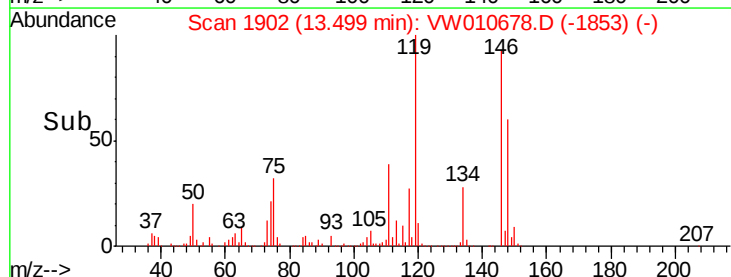
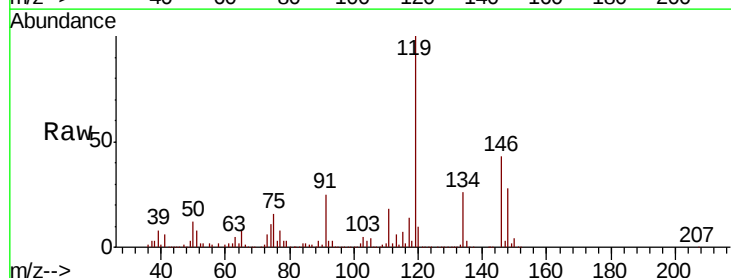
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

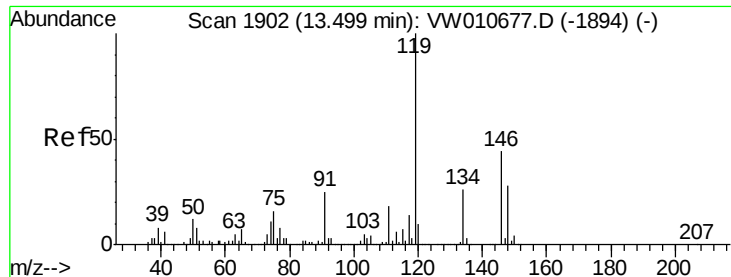
Tot Ion:105 Resp: 1344469
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 96.137 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion:119 Resp: 1222769
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 24.2 12.2 36.4

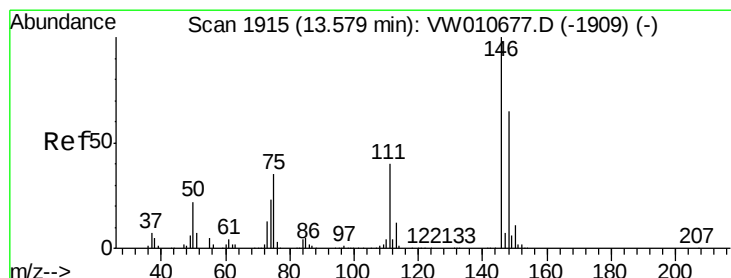
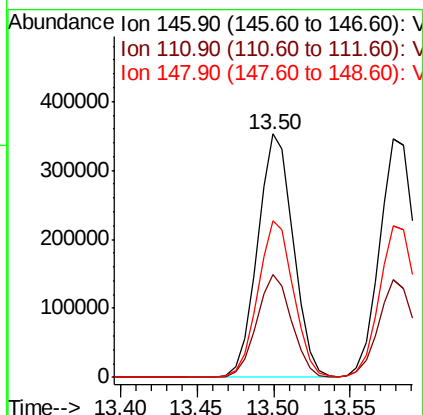
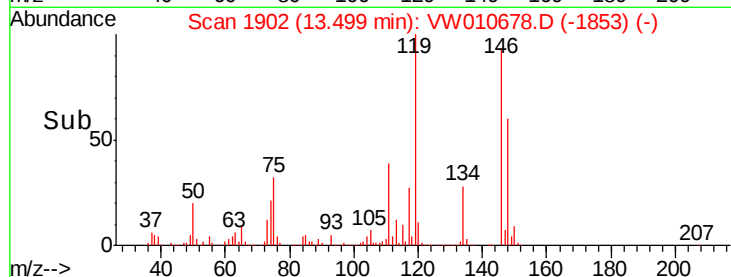
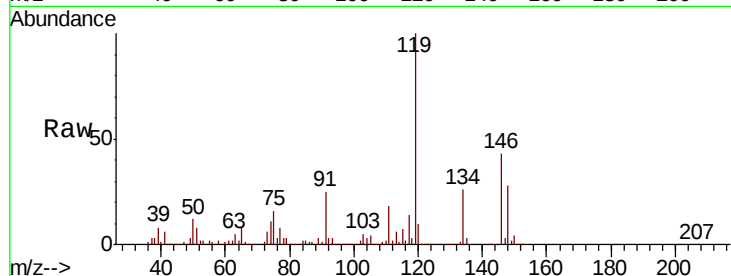




#87
 1,3-Dichlorobenzene
 Concen: 96.400 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

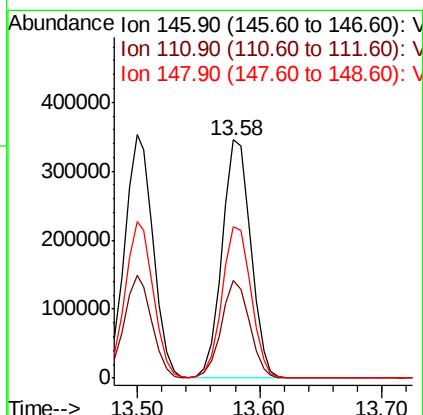
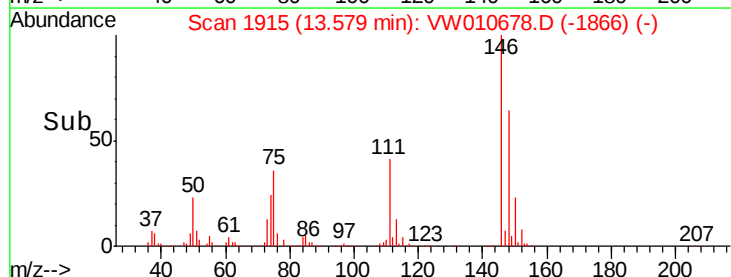
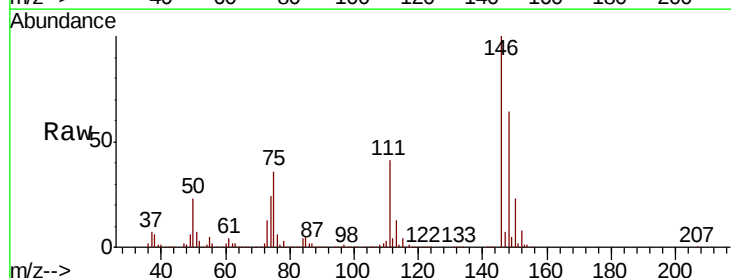
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

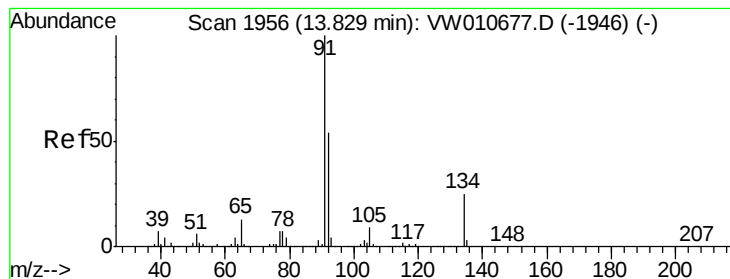
Tot Ion:146 Resp: 570664
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.4 61.3
 148 64.2 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 95.517 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion:146 Resp: 560565
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.3 60.9
 148 64.4 32.4 97.2





#89

n-Butylbenzene

Concen: 95.873 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

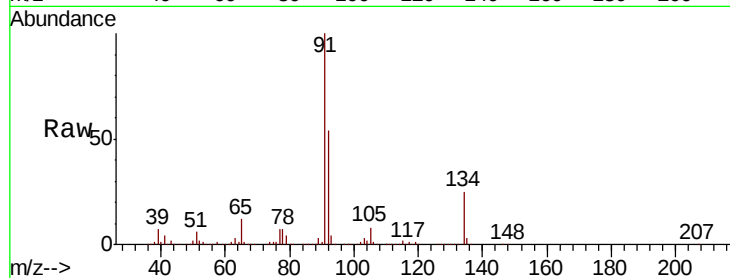
Tot Ion: 91 Resp: 1216668

Ion Ratio Lower Upper

91 100

92 54.8 27.3 81.8

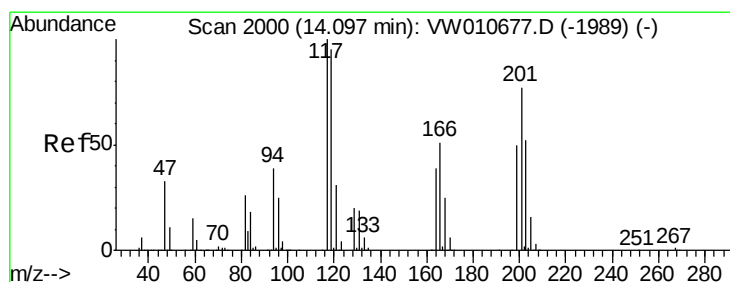
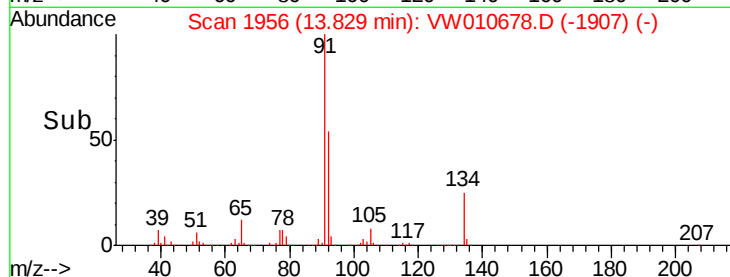
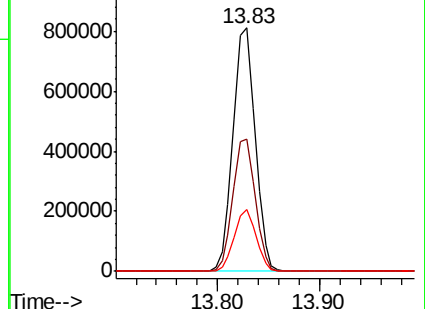
134 24.8 12.3 36.9



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: 99.155 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010678.D

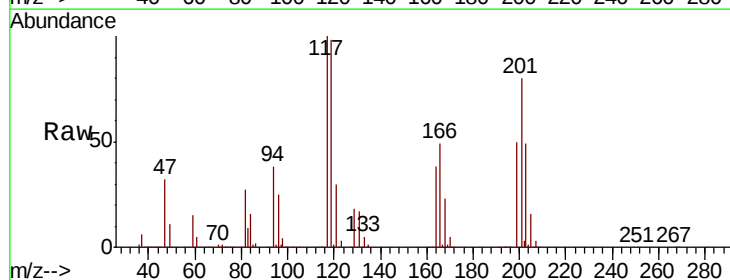
Acq: 04 Jun 2019 16:08

Tgt Ion: 117 Resp: 225854

Ion Ratio Lower Upper

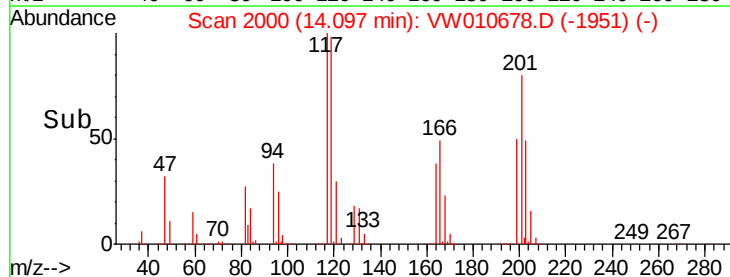
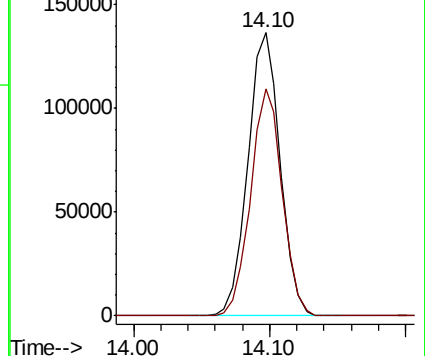
117 100

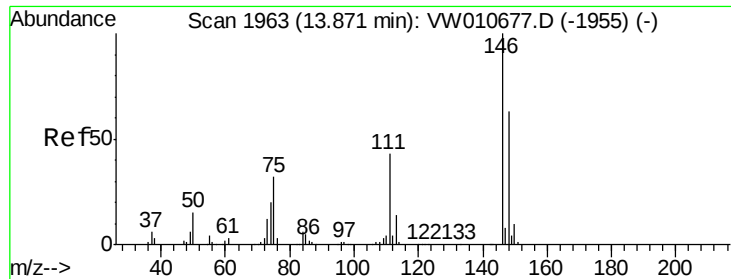
201 79.0 38.8 116.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

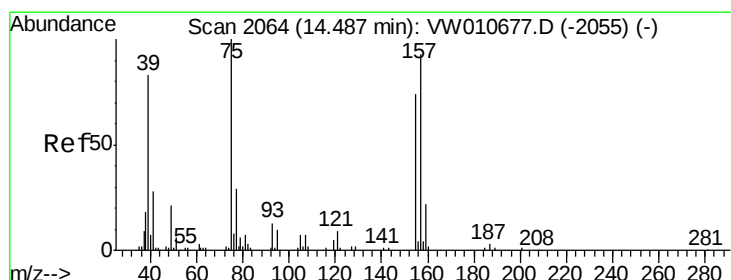
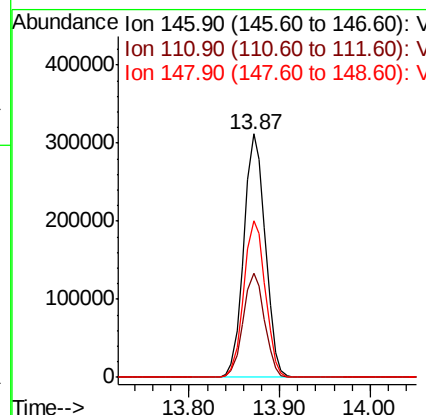
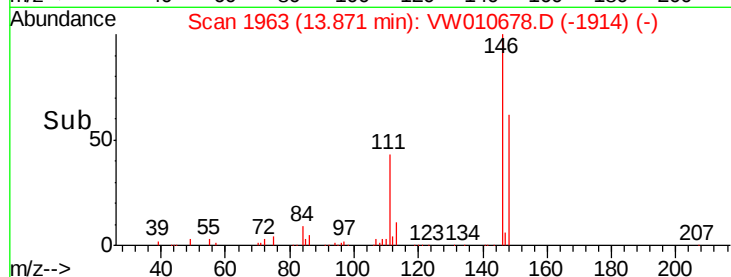
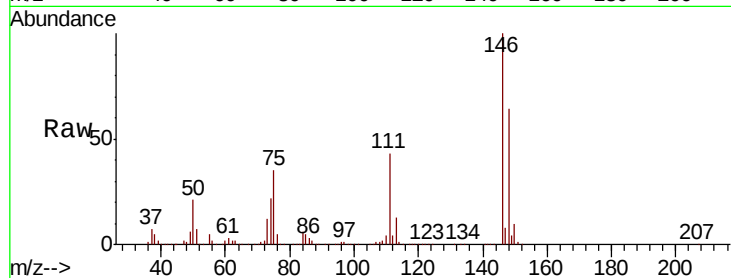




#91
 1,2-Dichlorobenzene
 Concen: 95.936 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

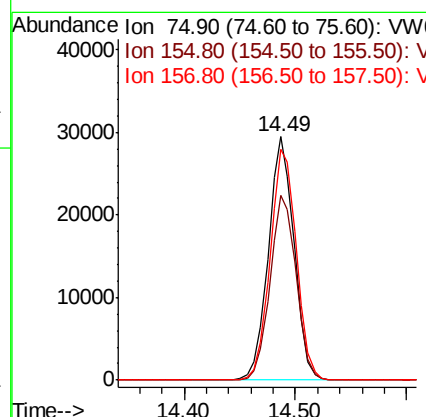
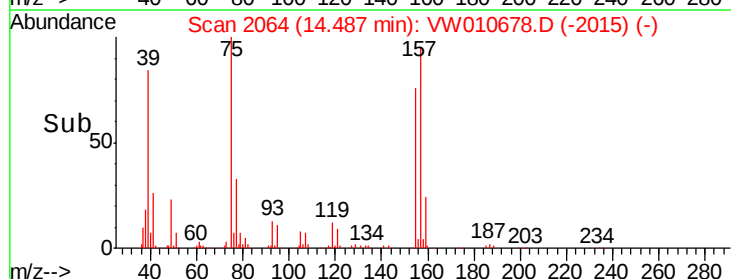
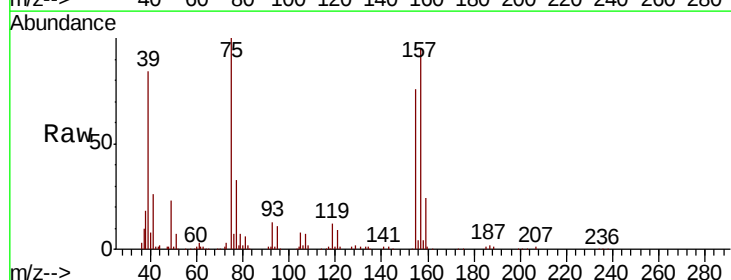
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

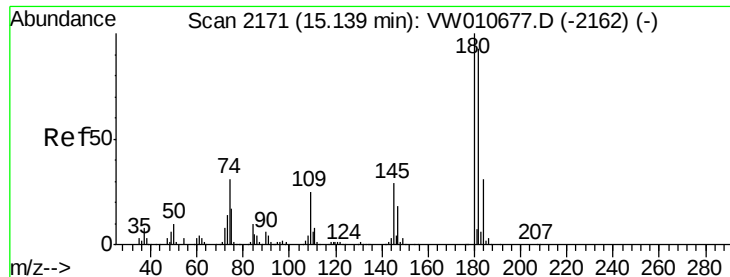
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	64.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.980 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.8	116.4
157	96.4	48.4	145.0

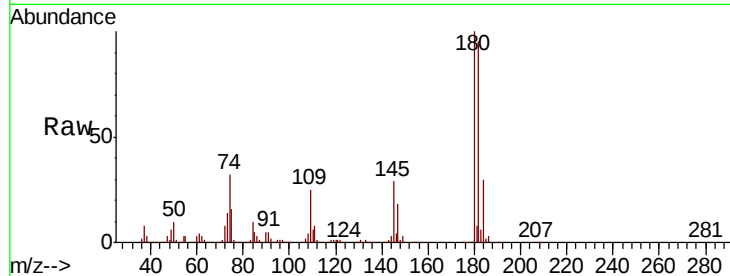




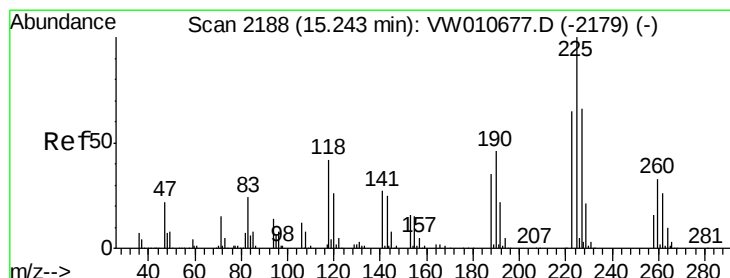
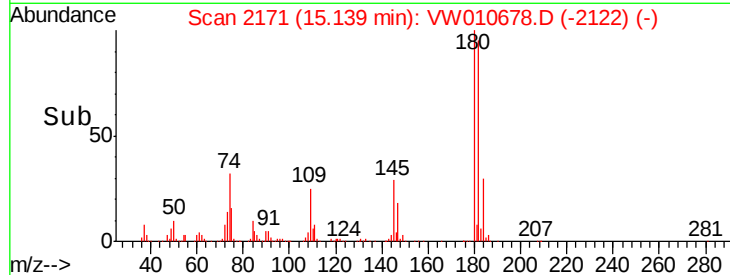
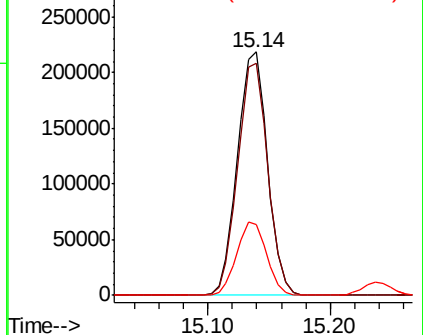
#93
 1,2,4-Trichlorobenzene
 Concen: 99.586 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.4
145	30.2	15.2	45.5

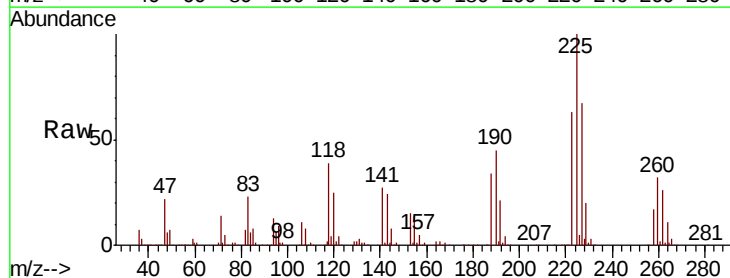


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

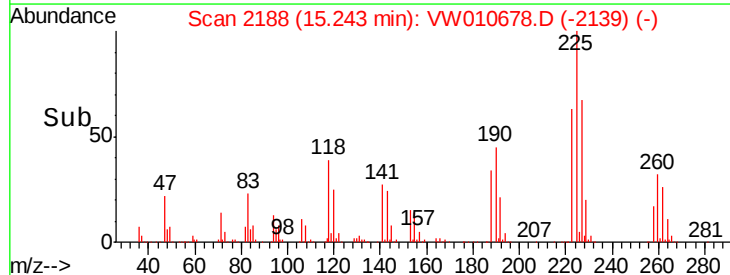
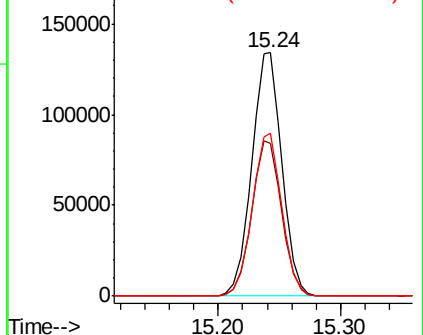


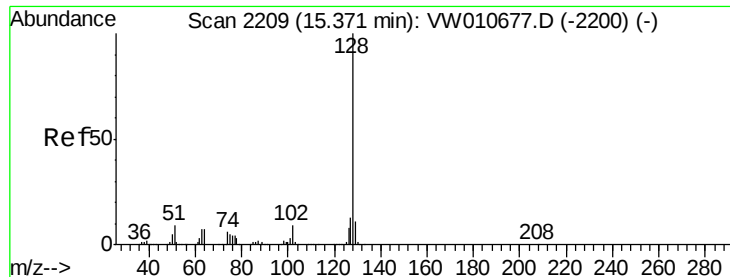
#94
 Hexachlorobutadiene
 Concen: 97.499 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.2	96.6
227	65.6	32.0	96.0



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

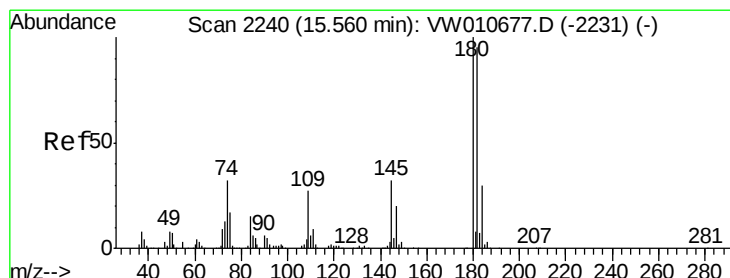
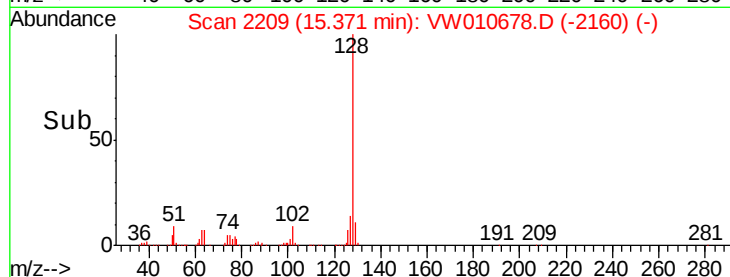
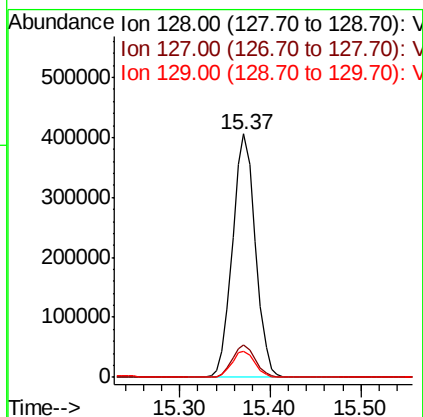
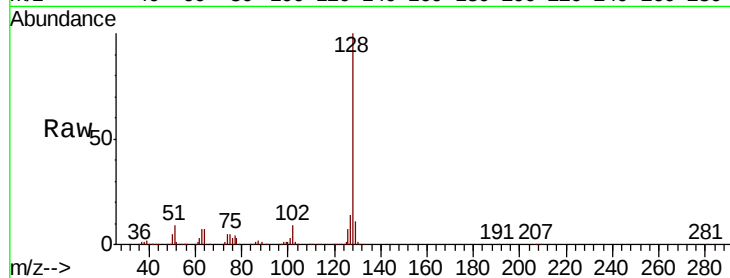




#95
Naphthalene
Concen: 104.415 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:128 Resp: 708723
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 100.253 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion:180 Resp: 318517
Ion Ratio Lower Upper
180 100
182 94.9 47.0 141.0
145 32.3 16.1 48.3

