

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010014.D
 Acq On : 17 Apr 2019 12:17
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 18 01:46:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	402806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	642072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	592170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	300380	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	244500	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.88	113	200789	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	10.32	98	790850	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	283448	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	155018	51.333	ug/l	100
3) Chloromethane	2.22	50	160314	52.196	ug/l	100
4) Vinyl Chloride	2.37	62	188403	52.771	ug/l	100
5) Bromomethane	2.78	94	118656	49.454	ug/l	100
6) Chloroethane	2.92	64	118035	50.600	ug/l	100
7) Trichlorofluoromethane	3.26	101	127535	51.666	ug/l	100
8) Diethyl Ether	3.68	74	97421	47.446	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	199180	49.231	ug/l	100
10) Methyl Iodide	4.27	142	290573	50.622	ug/l	100
11) Tert butyl alcohol	5.17	59	64813	229.575	ug/l	100
12) 1,1-Dichloroethene	4.03	96	200641	50.386	ug/l	100
13) Acrolein	3.89	56	72044	241.858	ug/l	100
14) Allyl chloride	4.66	41	359467	50.775	ug/l	100
15) Acrylonitrile	5.37	53	256436	242.678	ug/l	100
16) Acetone	4.12	43	277746	240.819	ug/l	100
17) Carbon Disulfide	4.38	76	610532	55.893	ug/l	100
18) Methyl Acetate	4.67	43	119527	44.778	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	260201	50.308	ug/l	100
20) Methylene Chloride	4.91	84	222681	41.967	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	223711	51.880	ug/l	100
22) Diisopropyl ether	6.31	45	726177	50.568	ug/l	100
23) Vinyl Acetate	6.25	43	2353333	260.322	ug/l	100
24) 1,1-Dichloroethane	6.21	63	418887	48.795	ug/l	100
25) 2-Butanone	7.17	43	373716	246.670	ug/l	100
26) 2,2-Dichloropropane	7.17	77	230160	48.460	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	237509	50.082	ug/l	100
28) Bromochloromethane	7.51	49	169085	48.196	ug/l	100
29) Tetrahydrofuran	7.52	42	238694	248.645	ug/l	100
30) Chloroform	7.67	83	418225	48.620	ug/l	100
31) Cyclohexane	7.95	56	397873	49.494	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	333850	49.438	ug/l	100
36) 1,1-Dichloropropene	8.08	75	338026	51.539	ug/l	100
37) Ethyl Acetate	7.25	43	165082	49.533	ug/l	100
38) Carbon Tetrachloride	8.06	117	322010	50.306	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	398733	54.026	ug/l	100
40) Benzene	8.32	78	910215	50.756	ug/l	100
41) Methacrylonitrile	7.48	41	96442	50.774	ug/l	100
42) 1,2-Dichloroethane	8.40	62	302852	49.141	ug/l	100
43) Isopropyl Acetate	8.42	43	306951	49.150	ug/l	100
44) Trichloroethene	9.09	130	227876	50.030	ug/l	100
45) 1,2-Dichloropropane	9.37	63	233693	49.577	ug/l	100
46) Dibromomethane	9.46	93	120969	49.515	ug/l	100
47) Bromodichloromethane	9.64	83	314400	49.852	ug/l	100
48) Methyl methacrylate	9.43	41	149185	49.074	ug/l	100
49) 1,4-Dioxane	9.45	88	36897	988.393	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	820089	250.718	ug/l	100
52) Toluene	10.38	92	576898	51.643	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	318694	50.969	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	366578	51.343	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	168215	49.331	ug/l	100
56) Ethyl methacrylate	10.65	69	230983	54.488	ug/l	100
57) 1,3-Dichloropropane	10.93	76	302871	49.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	602531	295.711	ug/l	100
59) 2-Hexanone	10.97	43	582220	255.702	ug/l	100
60) Dibromochloromethane	11.13	129	199998	50.746	ug/l	100
61) 1,2-Dibromoethane	11.24	107	162095	49.971	ug/l	100
64) Tetrachloroethene	10.86	164	191636	49.851	ug/l	100
65) Chlorobenzene	11.66	112	585118	48.276	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	215566	49.735	ug/l	100
67) Ethyl Benzene	11.73	91	1120581	51.820	ug/l	100
68) m/p-Xylenes	11.84	106	835024	103.303	ug/l	100
69) o-Xylene	12.17	106	380310	51.672	ug/l	100
70) Styrene	12.18	104	675871	53.259	ug/l	100
71) Bromoform	12.35	173	114982	50.169	ug/l #	100
73) Isopropylbenzene	12.46	105	1075612	51.450	ug/l	100
74) N-amyl acetate	12.27	43	294691	50.901	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	200622	48.573	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	269820	74.930	ug/l #	100
77) Bromobenzene	12.75	156	241762	50.283	ug/l	100
78) n-propylbenzene	12.80	91	1342560	51.816	ug/l	100
79) 2-Chlorotoluene	12.90	91	750329	50.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	923029	52.073	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	66059	51.812	ug/l	100
82) 4-Chlorotoluene	12.99	91	790568	50.408	ug/l	100
83) tert-Butylbenzene	13.21	119	763328	52.002	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	928623	51.672	ug/l	100
85) sec-Butylbenzene	13.38	105	1115470	50.851	ug/l	100
86) p-Isopropyltoluene	13.50	119	1016682	52.584	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	480196	49.407	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	471723	48.625	ug/l	100
89) n-Butylbenzene	13.83	91	1006590	52.549	ug/l	100
90) Hexachloroethane	14.10	117	186193	50.279	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	428949	49.222	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	36302	49.113	ug/l	100

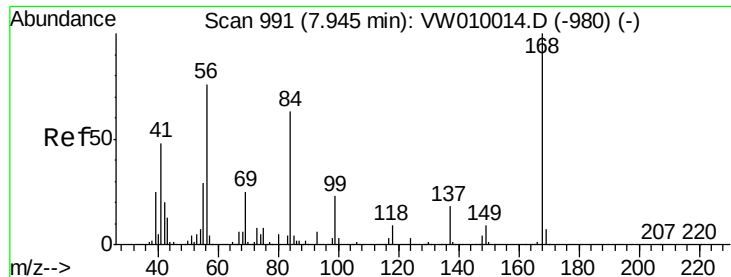
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	291275	50.663	ug/l	100
94) Hexachlorobutadiene	15.24	225	173178	49.603	ug/l	100
95) Naphthalene	15.37	128	550308	53.315	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	256467	51.417	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

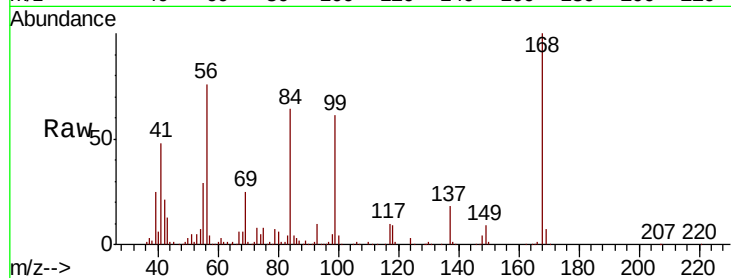
VSTDICCC050

Tgt Ion:168 Resp: 402806

Ion Ratio Lower Upper

168 100

99 60.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

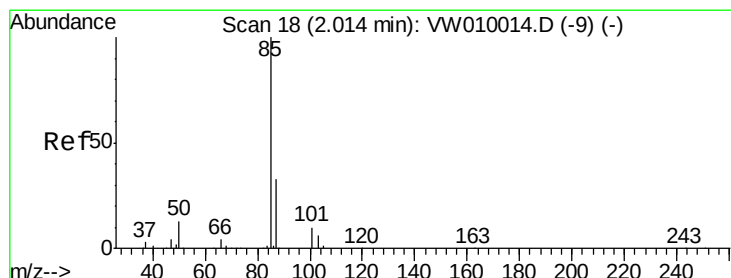
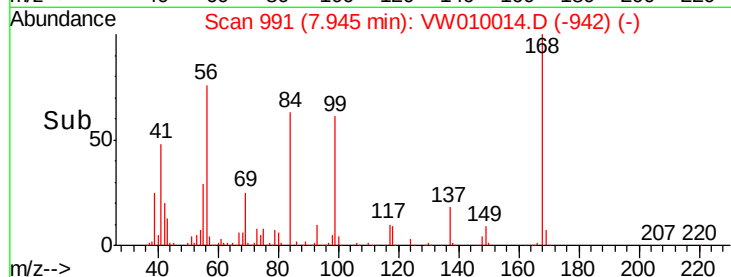
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 51.333 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010014.D

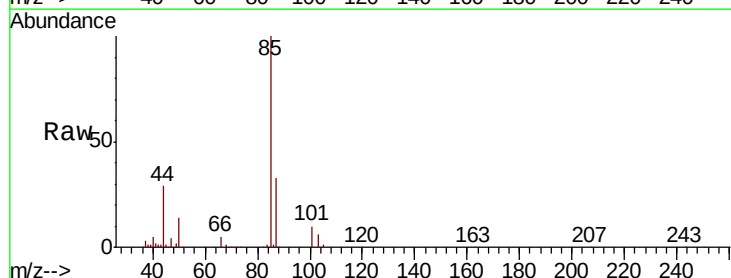
Acq: 17 Apr 2019 12:17

Tgt Ion: 85 Resp: 155018

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

20000

10000

0

1.90

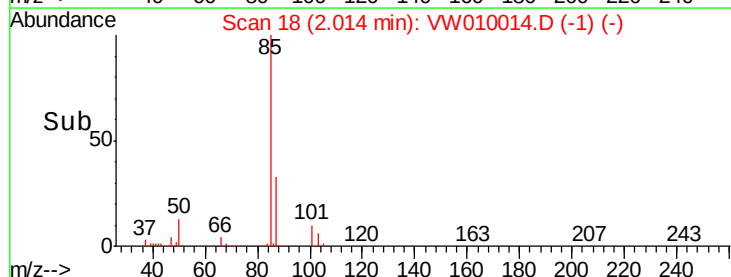
2.00

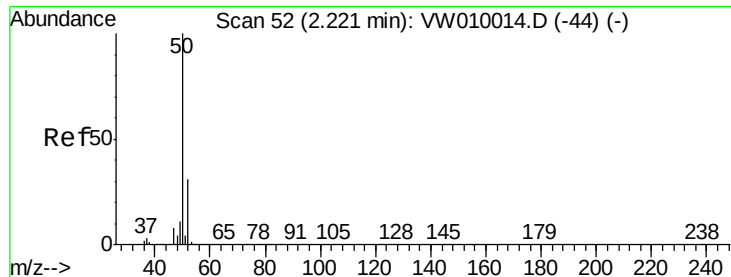
2.10

2.20

2.30

Time-->





#3

Chloromethane

Concen: 52.196 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

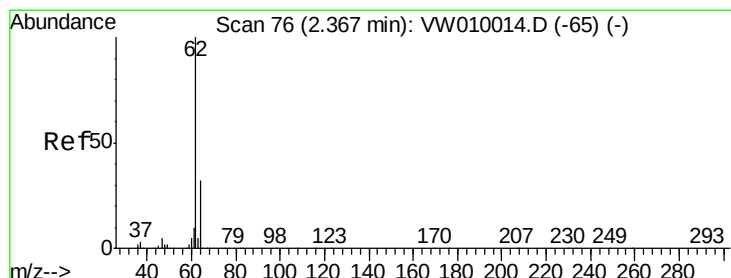
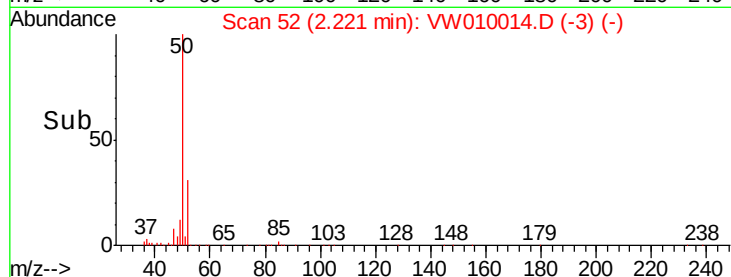
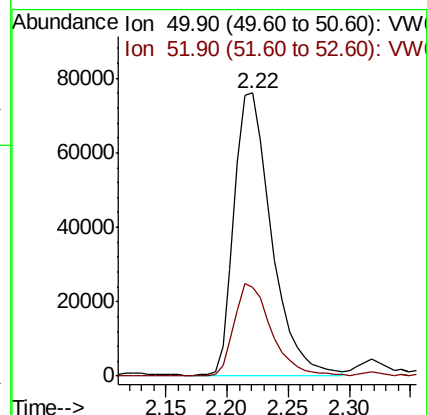
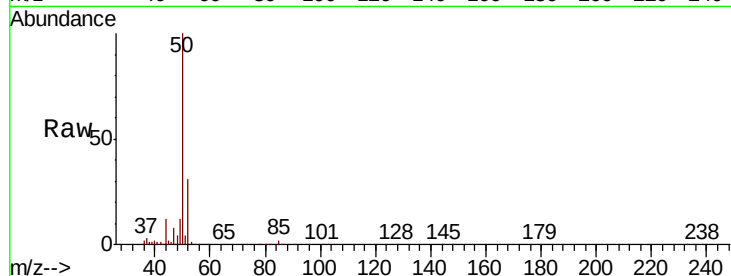
VSTDICCC050

Tgt Ion: 50 Resp: 160314

Ion Ratio Lower Upper

50 100

52 31.3 25.0 37.6



#4

Vinyl Chloride

Concen: 52.771 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010014.D

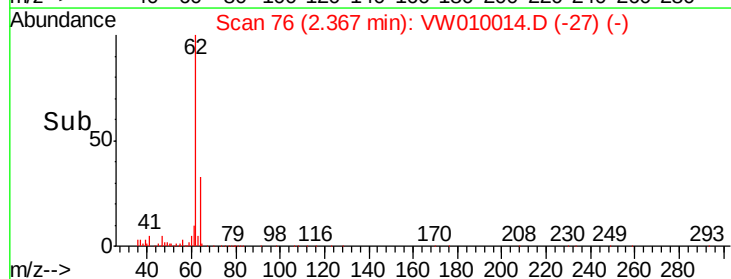
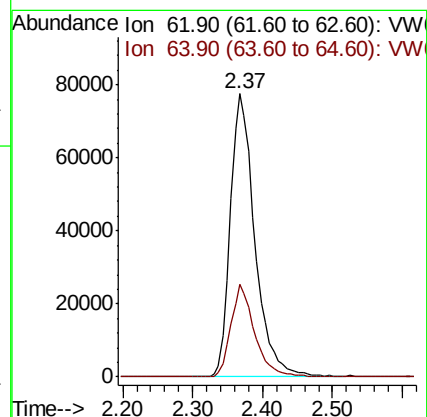
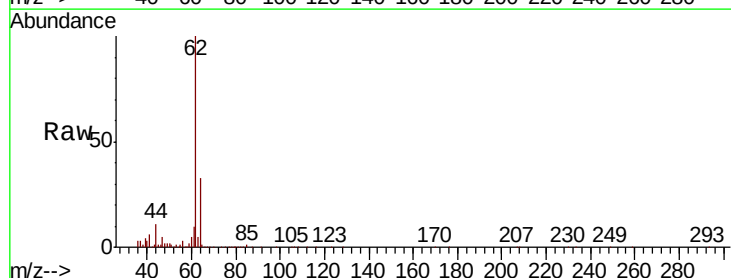
Acq: 17 Apr 2019 12:17

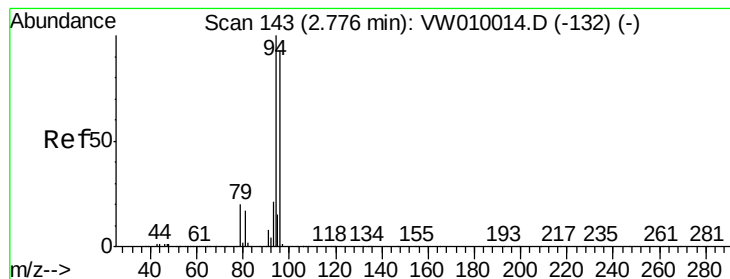
Tgt Ion: 62 Resp: 188403

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 49.454 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

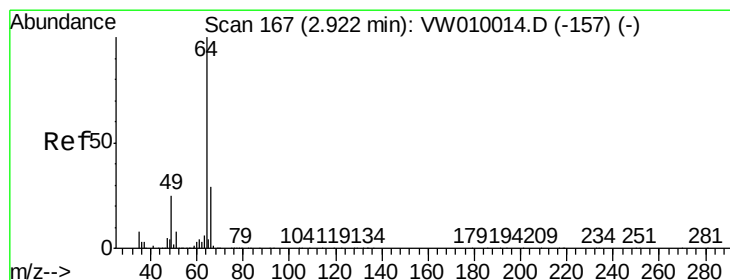
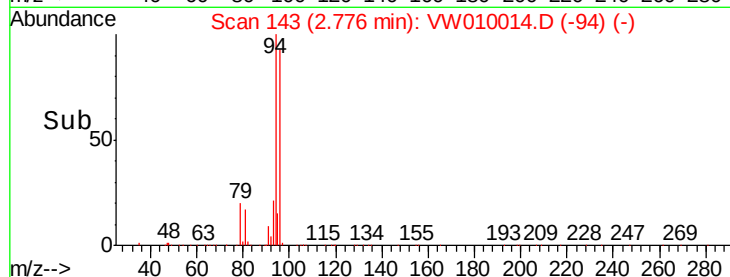
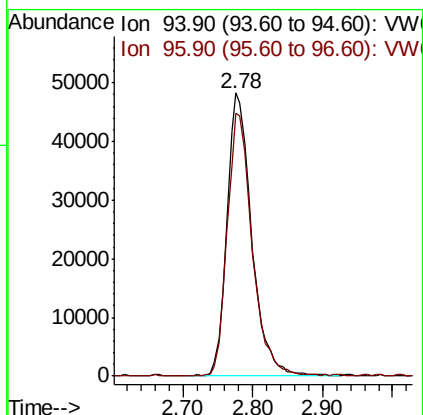
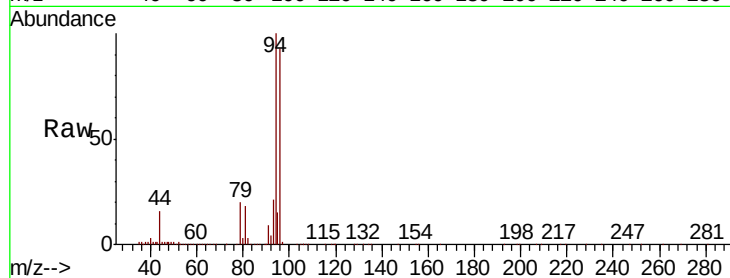
VSTDICCC050

Tgt Ion: 94 Resp: 118656

Ion Ratio Lower Upper

94 100

96 92.7 74.2 111.2



#6

Chloroethane

Concen: 50.600 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010014.D

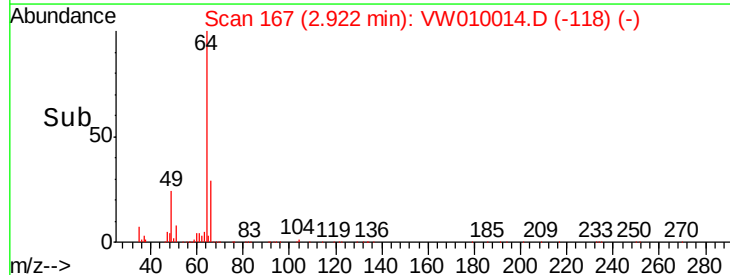
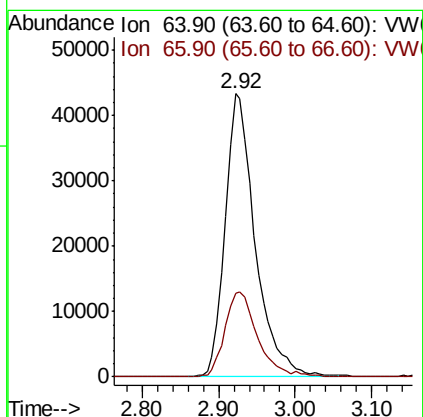
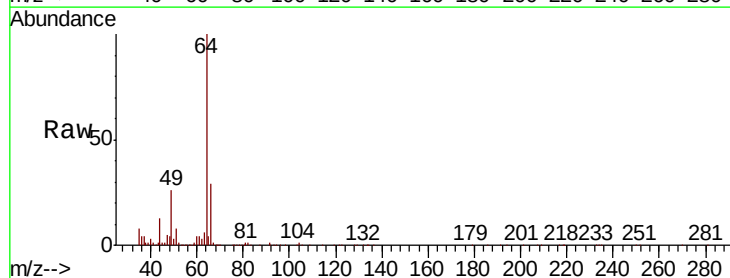
Acq: 17 Apr 2019 12:17

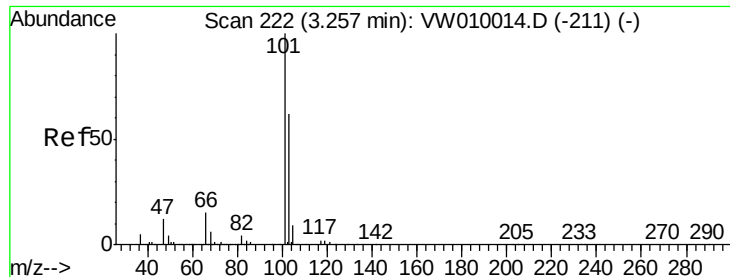
Tgt Ion: 64 Resp: 118035

Ion Ratio Lower Upper

64 100

66 29.2 23.4 35.0



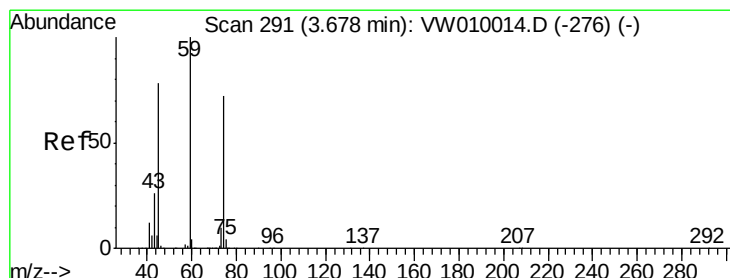
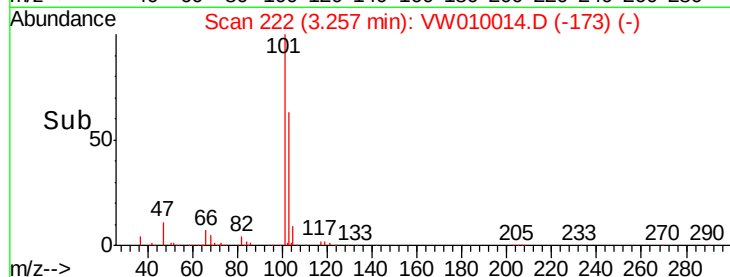
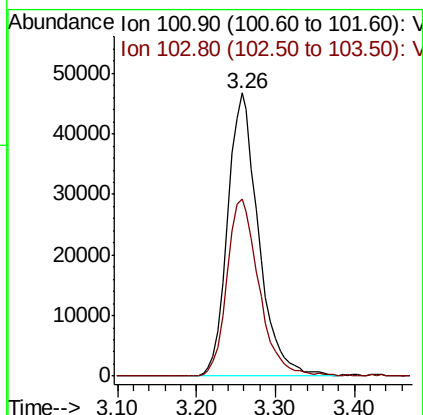
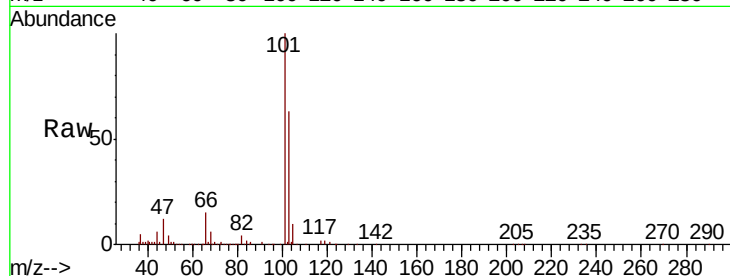


#7

Trichlorofluoromethane
 Concen: 51.666 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

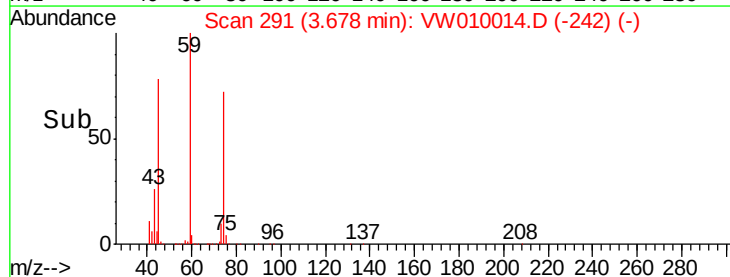
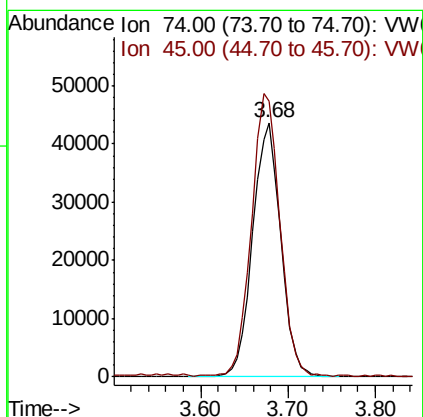
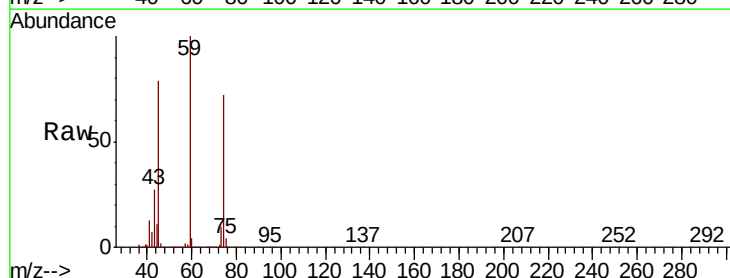
Tgt Ion: 101 Resp: 127535
 Ion Ratio Lower Upper
 101 100
 103 62.2 49.8 74.6

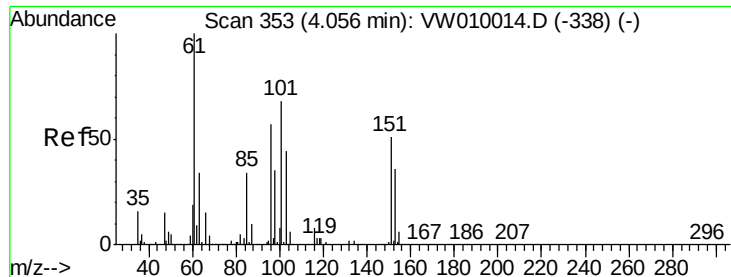


#8

Diethyl Ether
 Concen: 47.446 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 74 Resp: 97421
 Ion Ratio Lower Upper
 74 100
 45 112.0 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.231 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

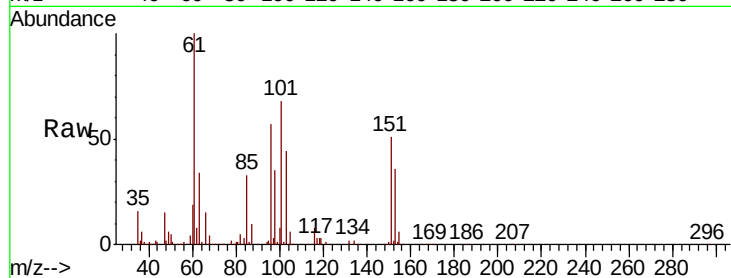
Tgt Ion:101 Resp: 199180

Ion Ratio Lower Upper

101 100

85 45.4 36.3 54.5

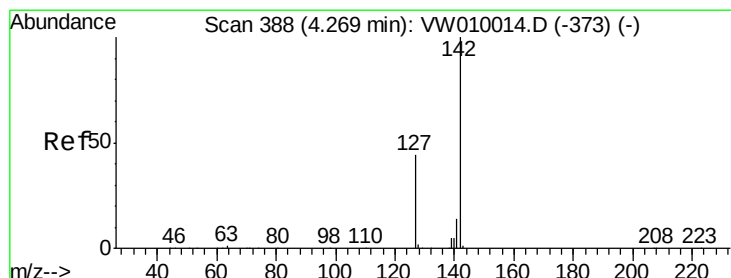
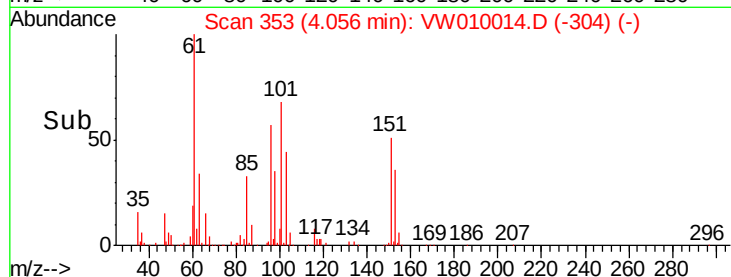
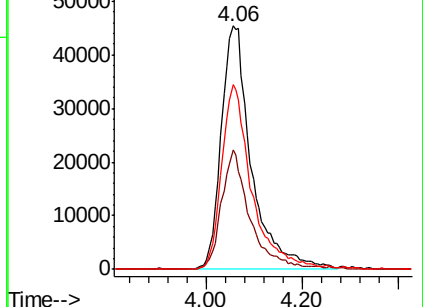
151 75.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.622 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

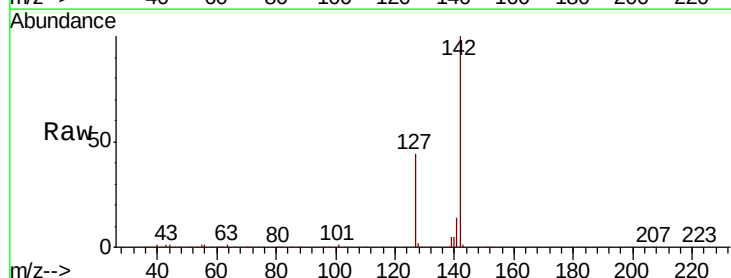
Tgt Ion:142 Resp: 290573

Ion Ratio Lower Upper

142 100

127 47.6 38.1 57.1

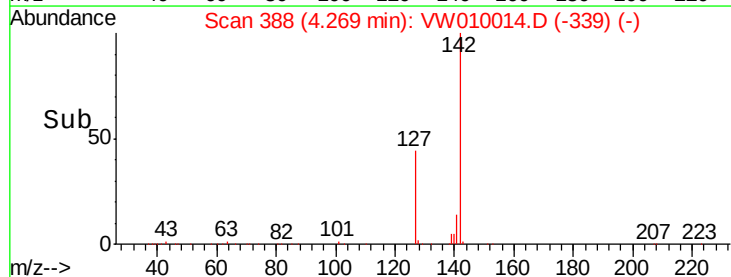
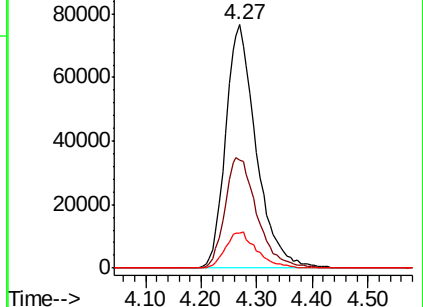
141 15.2 12.2 18.2

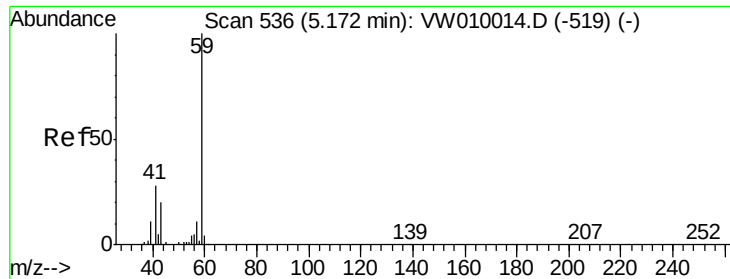


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

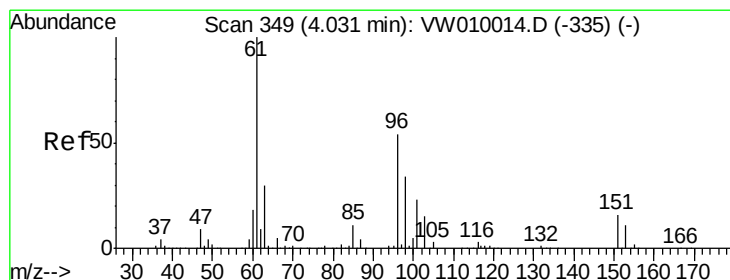
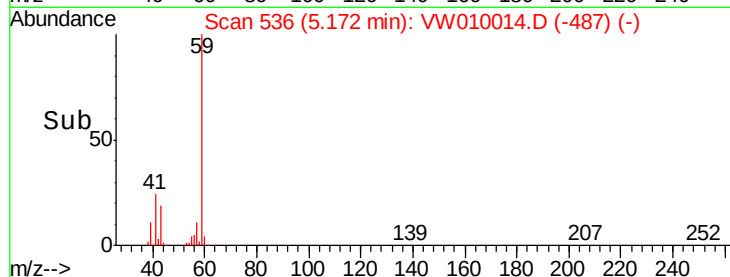
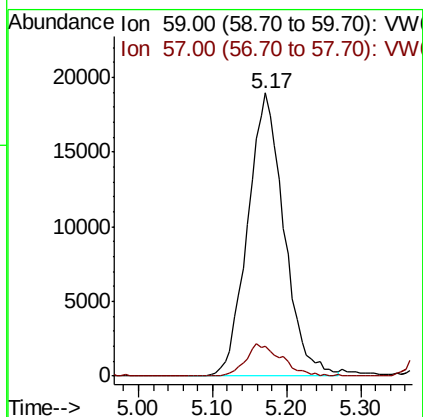
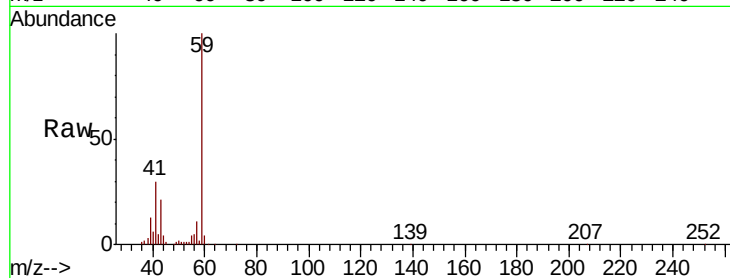




#11
Tert butyl alcohol
Concen: 229.575 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

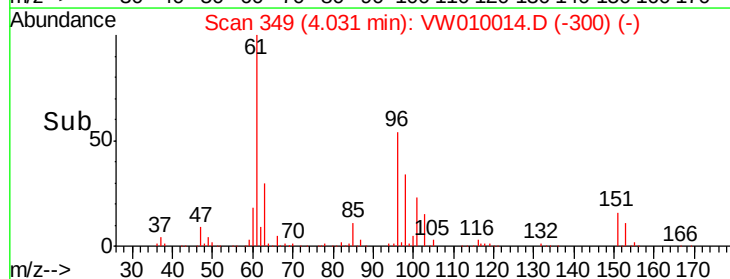
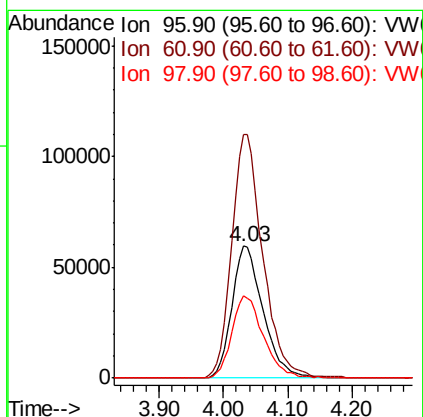
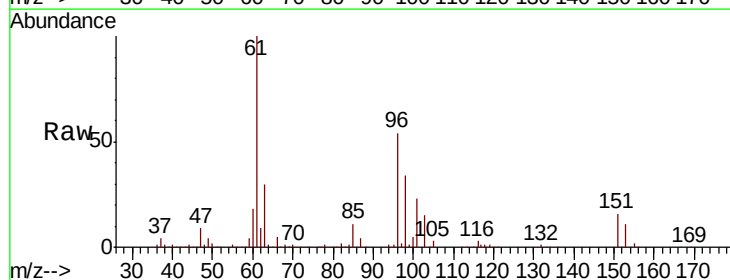
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

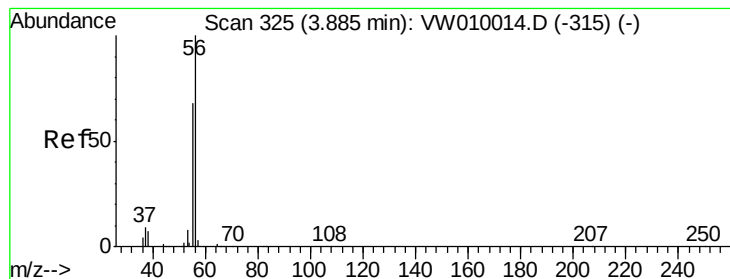
Tgt Ion: 59 Resp: 64813
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4



#12
1,1-Dichloroethene
Concen: 50.386 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 96 Resp: 200641
Ion Ratio Lower Upper
96 100
61 184.3 147.4 221.2
98 62.1 49.7 74.5





#13

Acrolein

Concen: 241.858 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

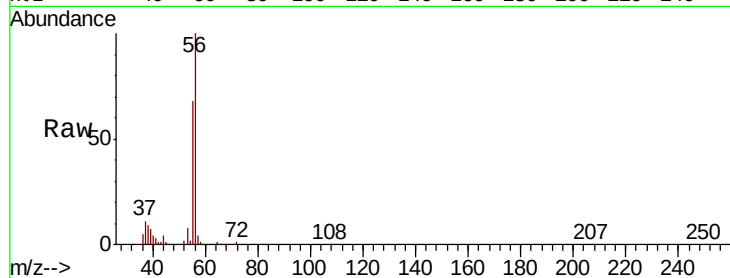
VSTDICCC050

Tgt Ion: 56 Resp: 72044

Ion Ratio Lower Upper

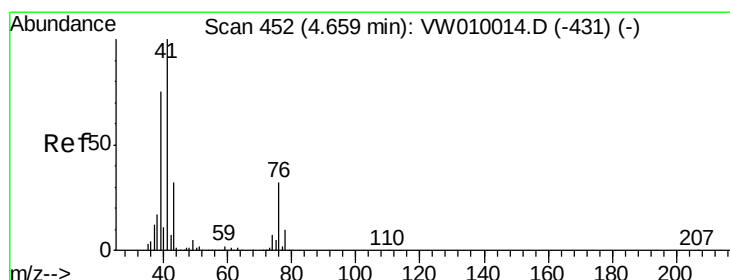
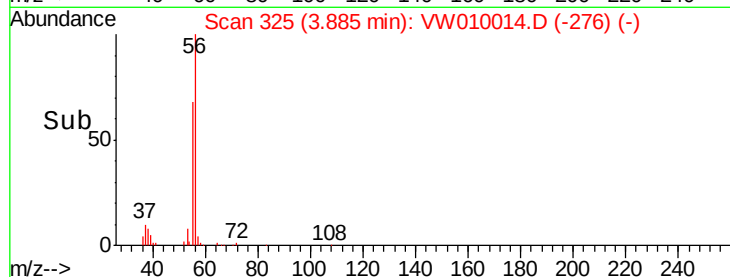
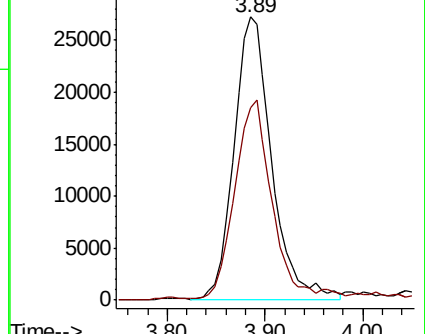
56 100

55 67.7 54.2 81.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 50.775 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

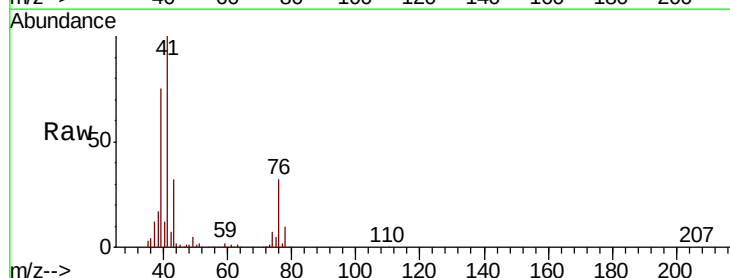
Tgt Ion: 41 Resp: 359467

Ion Ratio Lower Upper

41 100

39 75.3 60.2 90.4

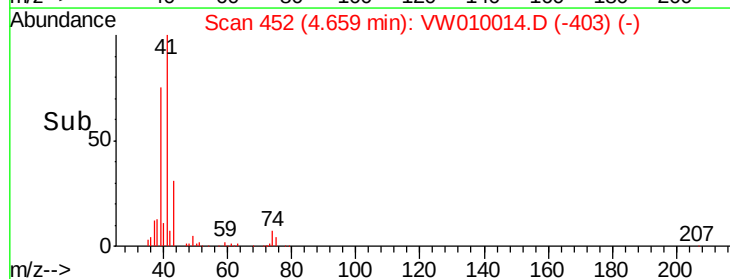
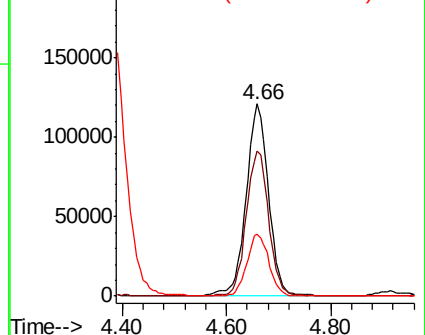
76 31.3 25.0 37.6

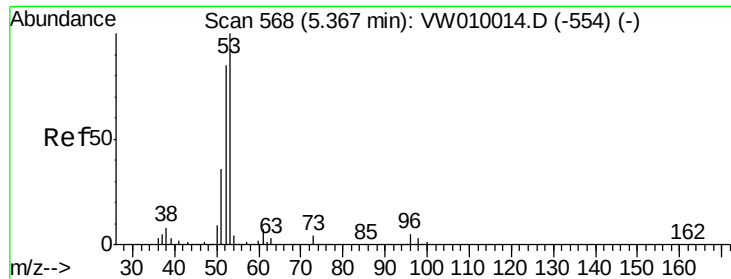


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 242.678 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

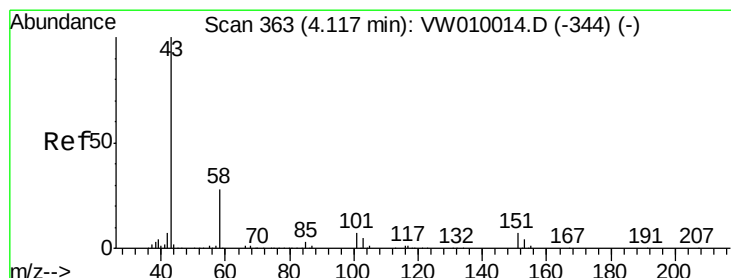
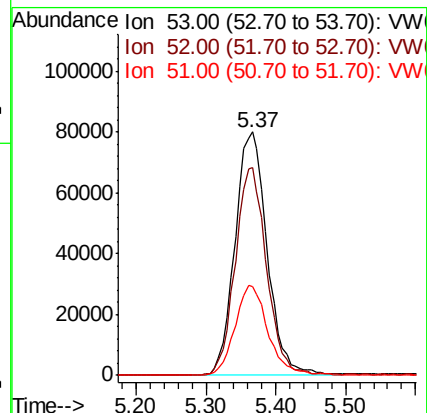
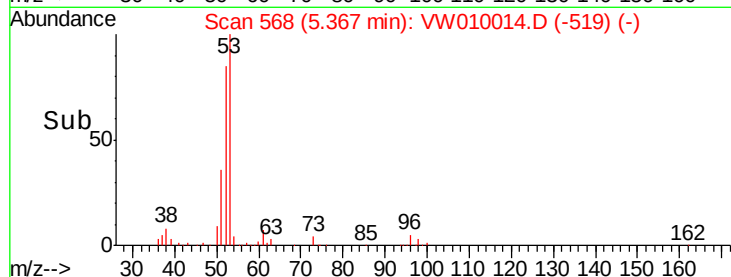
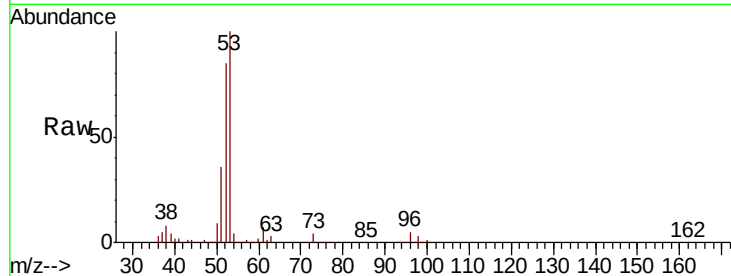
Tgt Ion: 53 Resp: 256436

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

51 37.9 30.3 45.5



#16

Acetone

Concen: 240.819 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010014.D

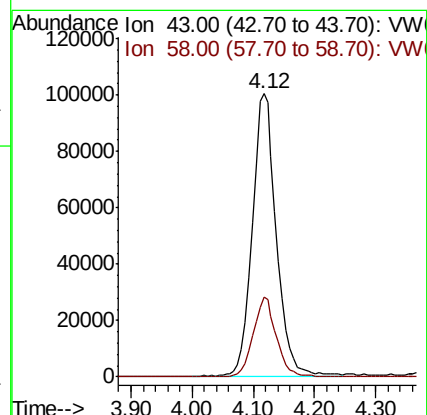
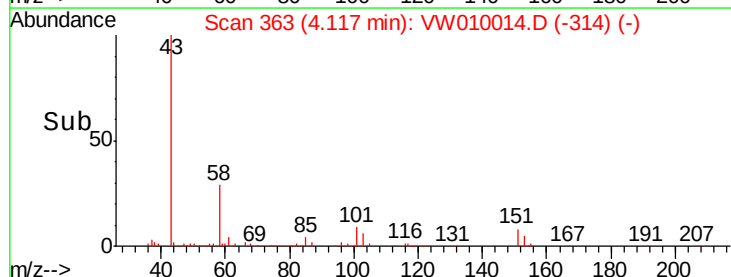
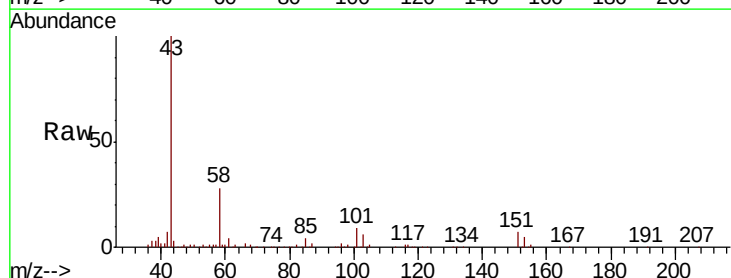
Acq: 17 Apr 2019 12:17

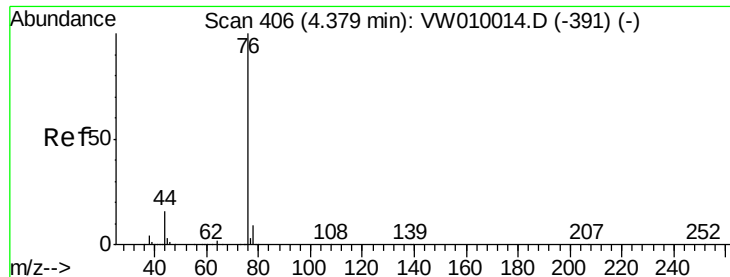
Tgt Ion: 43 Resp: 277746

Ion Ratio Lower Upper

43 100

58 28.4 22.7 34.1





#17

Carbon Disulfide

Concen: 55.893 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

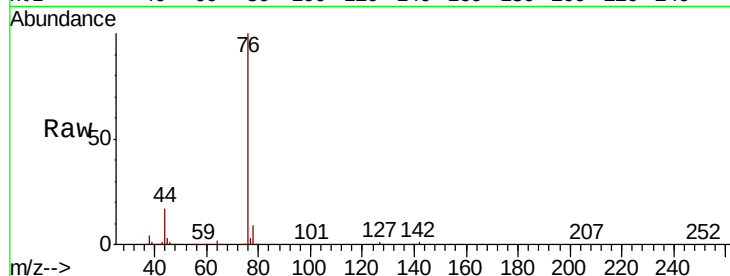
VSTDICCC050

Tgt Ion: 76 Resp: 610532

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

200000

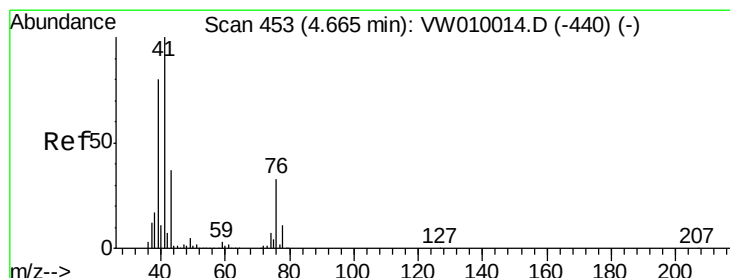
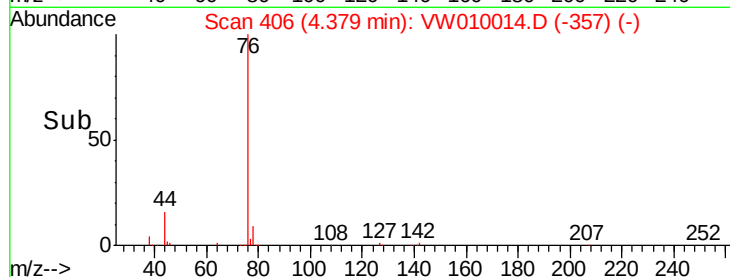
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 44.778 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010014.D

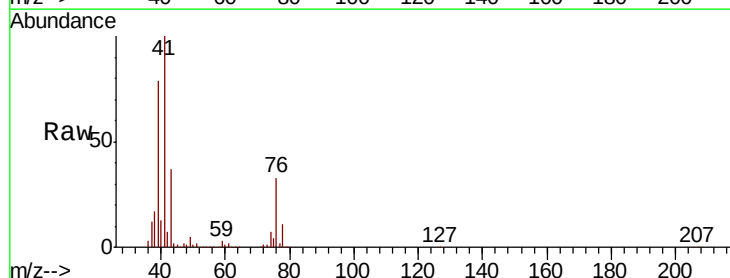
Acq: 17 Apr 2019 12:17

Tgt Ion: 43 Resp: 119527

Ion Ratio Lower Upper

43 100

74 21.0 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

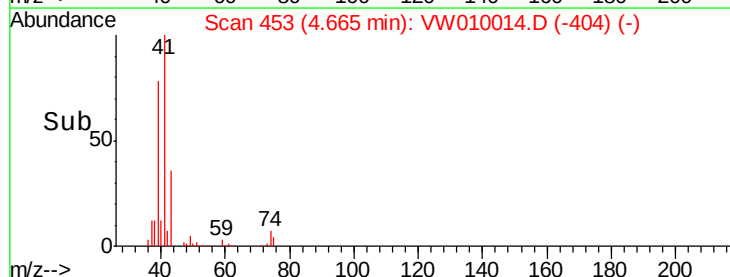
30000

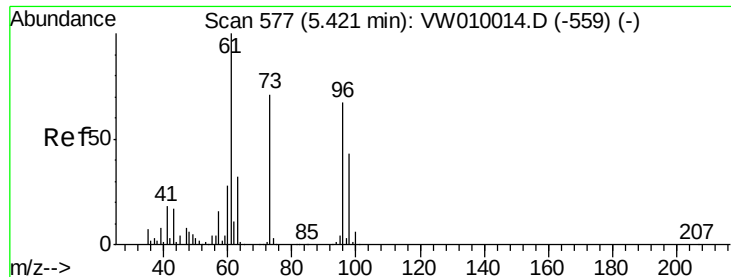
20000

10000

0

Time--> 4.50 4.60 4.70 4.80

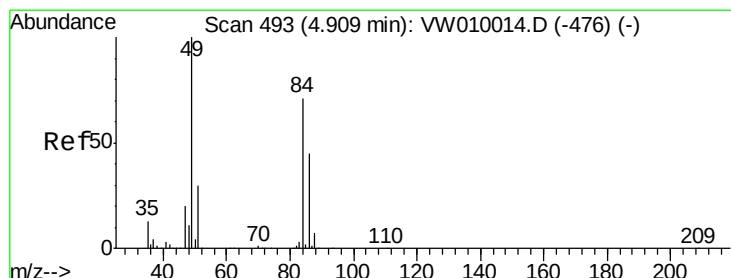
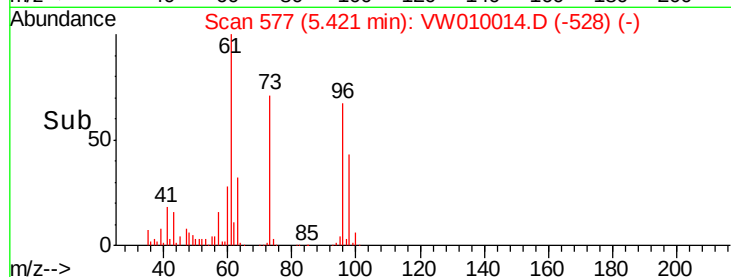
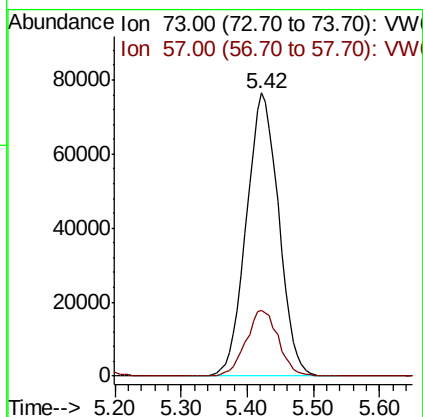
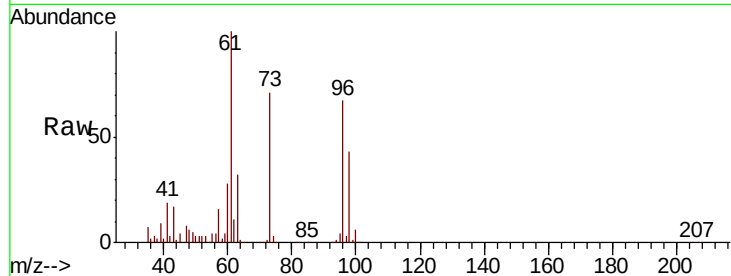




#19
Methyl tert-butyl Ether
Concen: 50.308 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

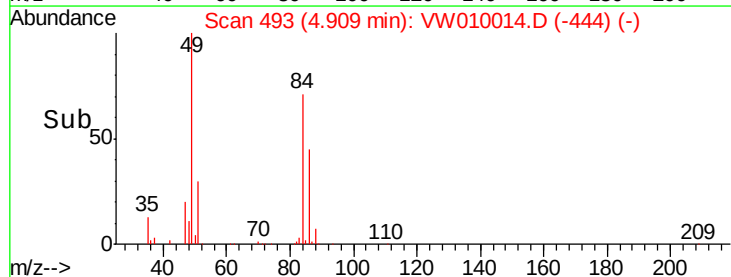
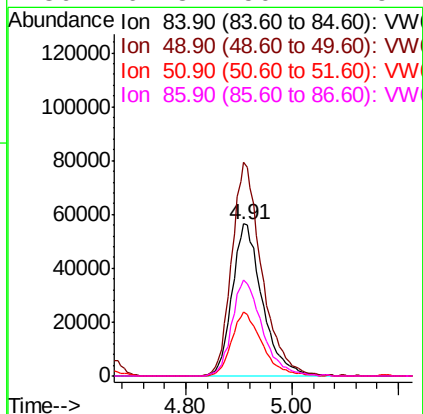
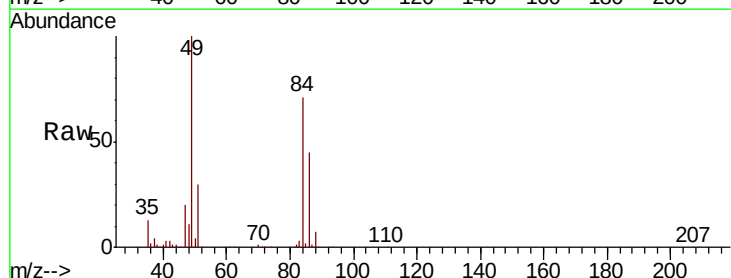
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

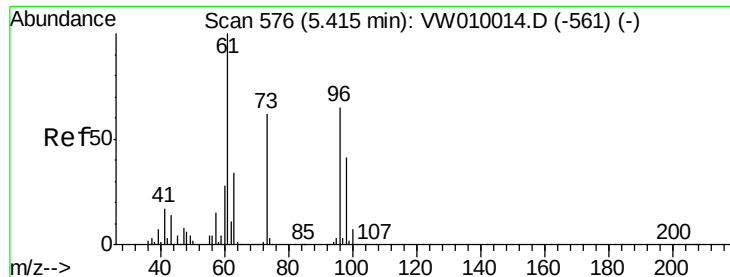
Tgt Ion: 73 Resp: 260201
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7



#20
Methylene Chloride
Concen: 41.967 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 84 Resp: 222681
Ion Ratio Lower Upper
84 100
49 140.4 112.3 168.5
51 42.4 33.9 50.9
86 62.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 51.880 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

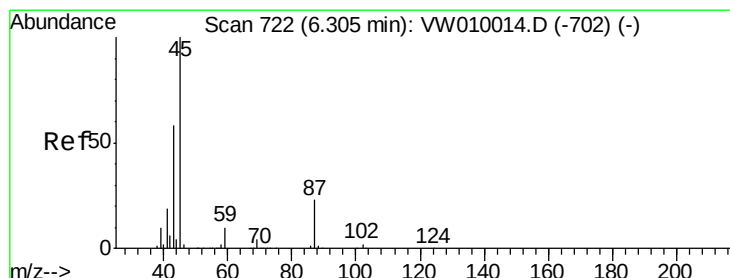
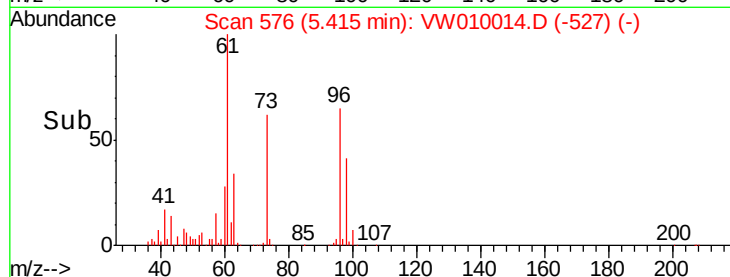
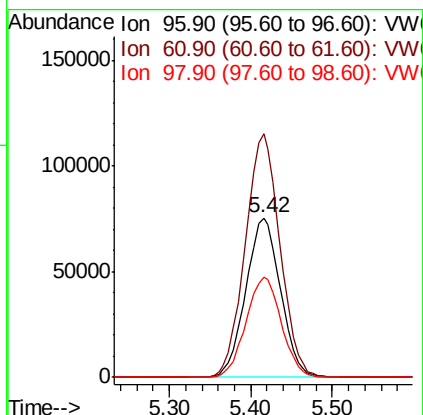
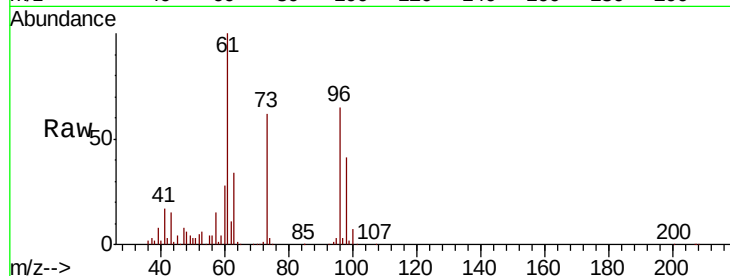
Tgt Ion: 96 Resp: 223711

Ion Ratio Lower Upper

96 100

61 152.9 122.3 183.5

98 63.1 50.5 75.7



#22

Diisopropyl ether

Concen: 50.568 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Tgt Ion: 45 Resp: 726177

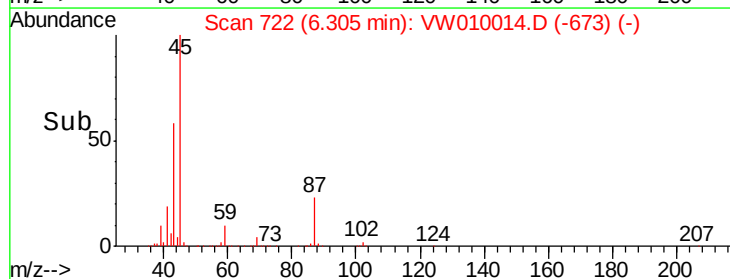
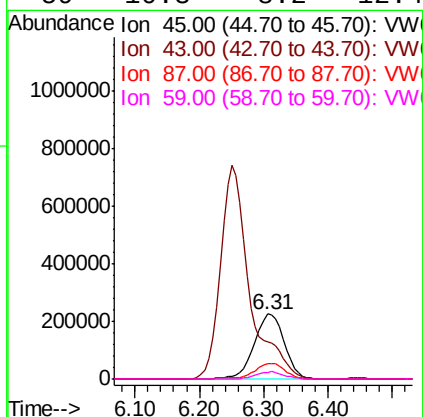
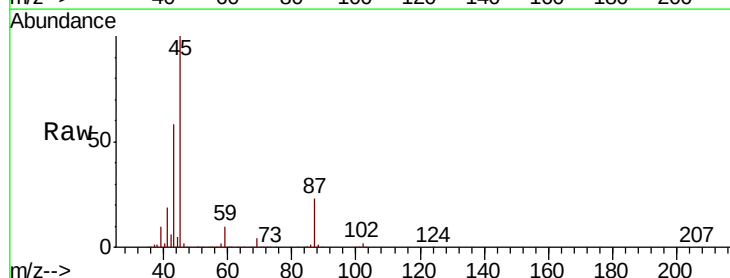
Ion Ratio Lower Upper

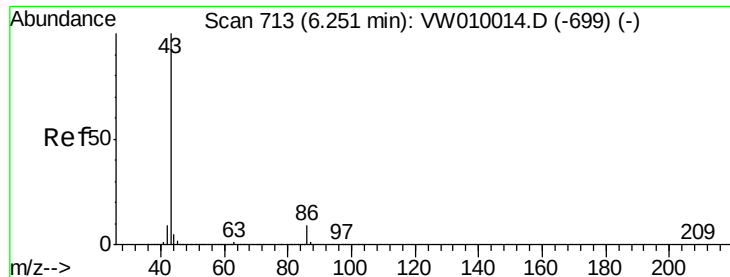
45 100

43 57.6 46.1 69.1

87 22.9 18.3 27.5

59 10.3 8.2 12.4

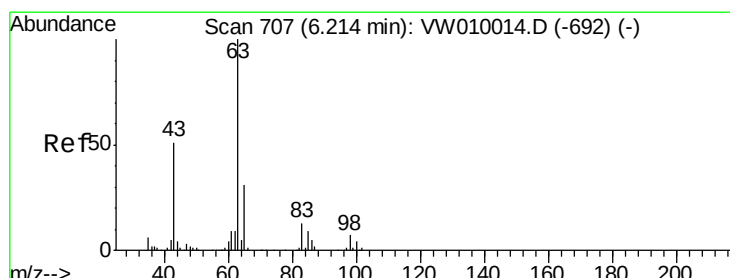
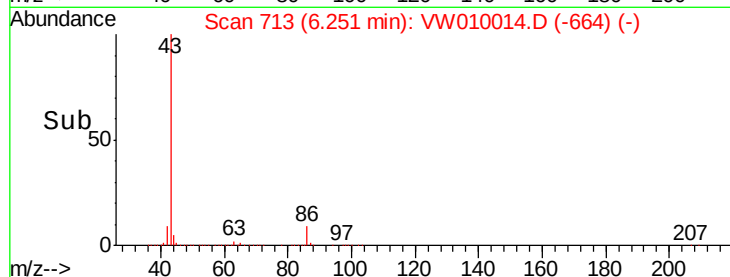
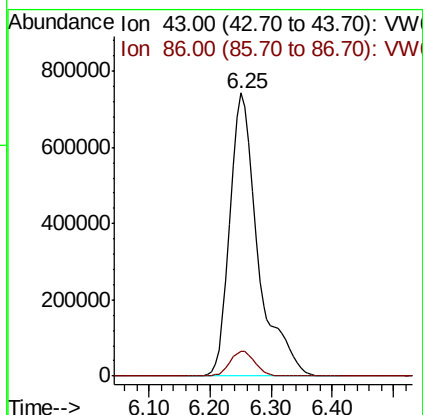
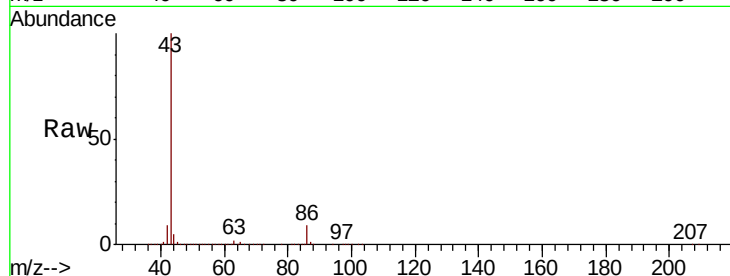




#23
 Vinyl Acetate
 Concen: 260.322 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

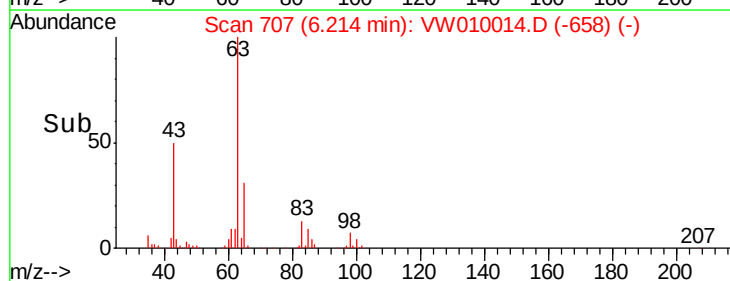
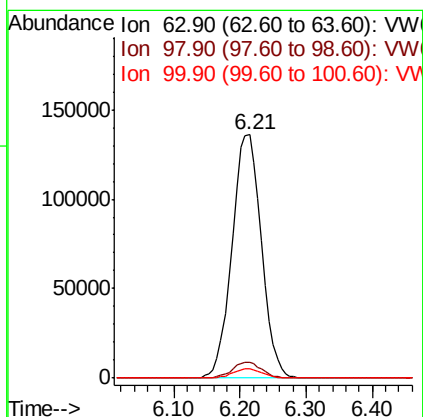
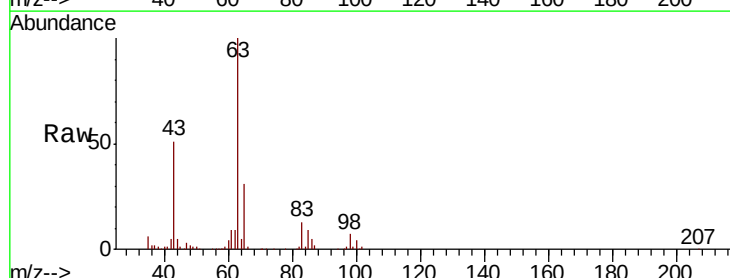
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

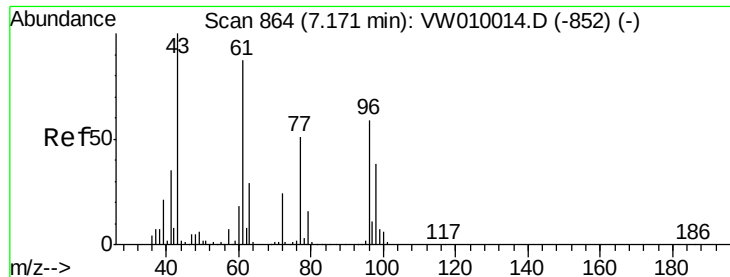
Tgt Ion: 43 Resp: 2353333
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 48.795 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 63 Resp: 418887
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 246.670 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

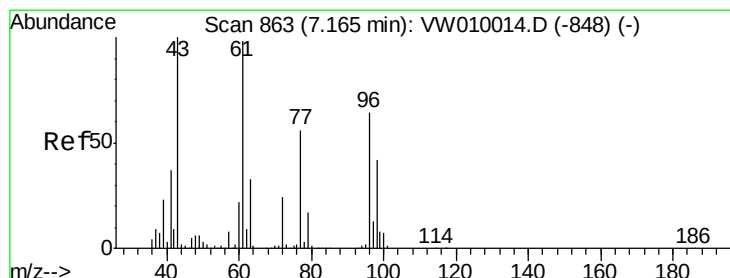
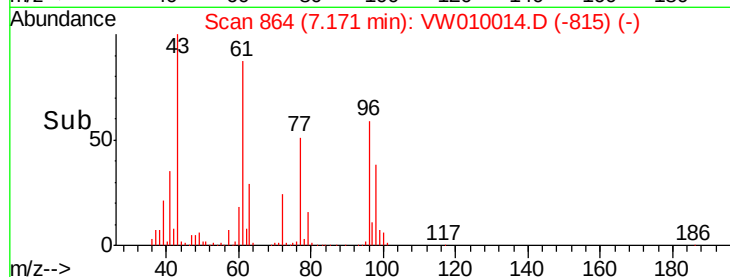
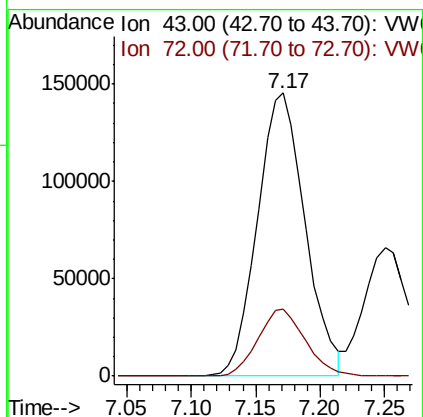
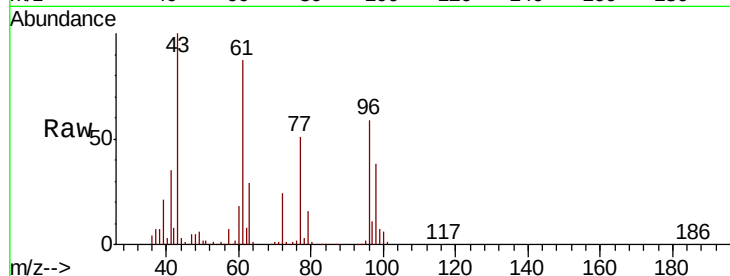
VSTDICCC050

Tgt Ion: 43 Resp: 373716

Ion Ratio Lower Upper

43 100

72 23.9 19.1 28.7



#26

2,2-Dichloropropane

Concen: 48.460 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010014.D

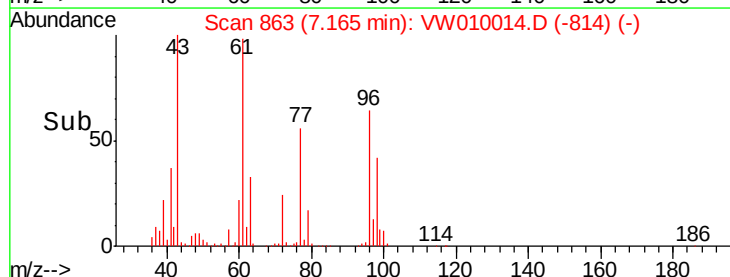
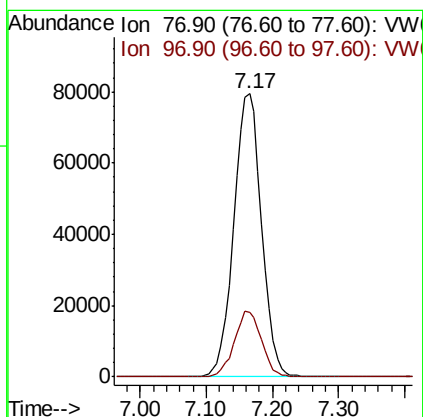
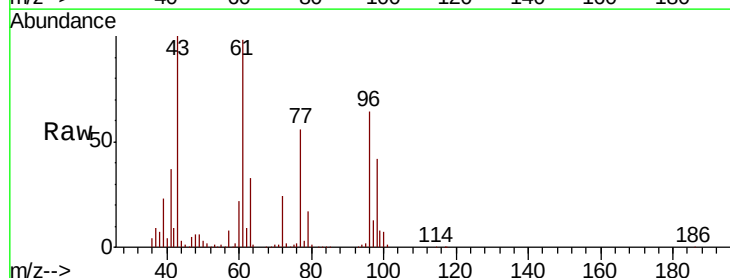
Acq: 17 Apr 2019 12:17

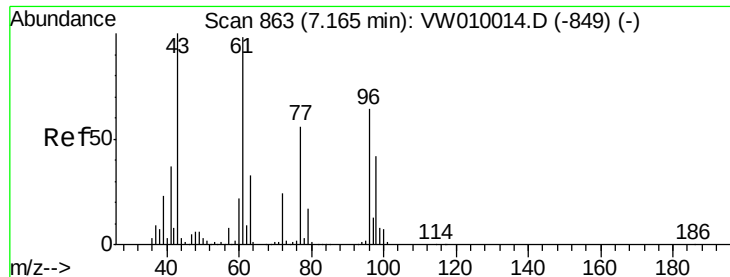
Tgt Ion: 77 Resp: 230160

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9



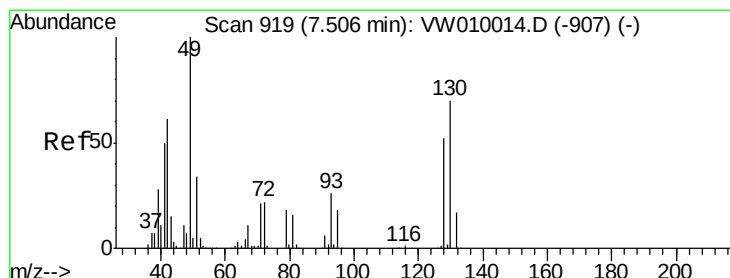
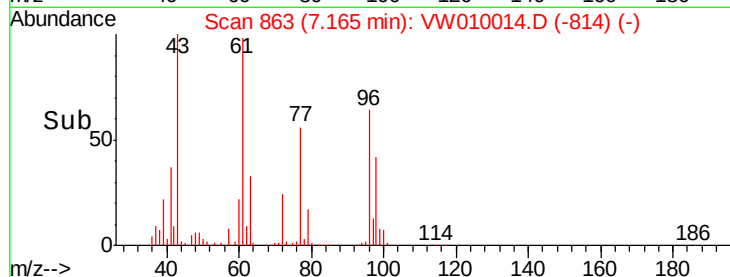
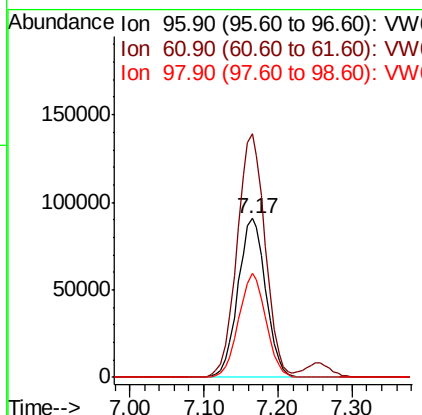
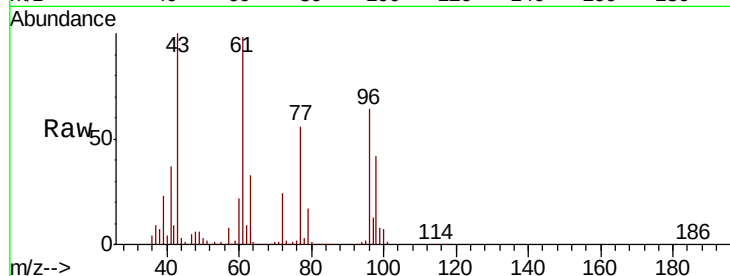


#27

cis-1,2-Dichloroethene
Concen: 50.082 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

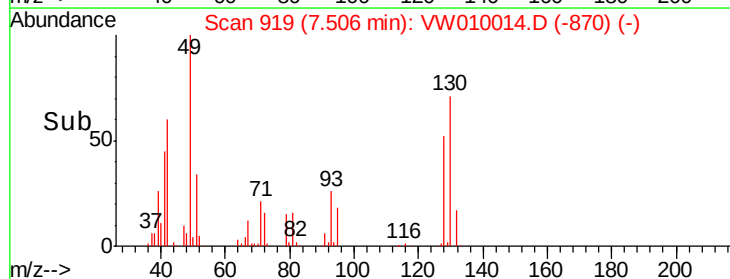
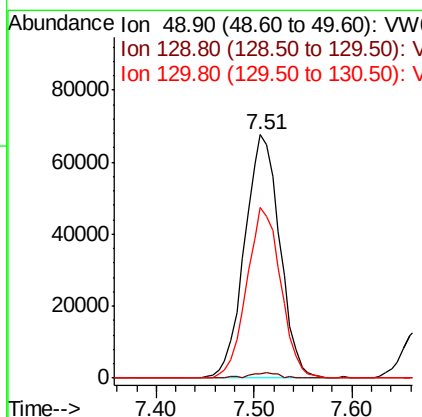
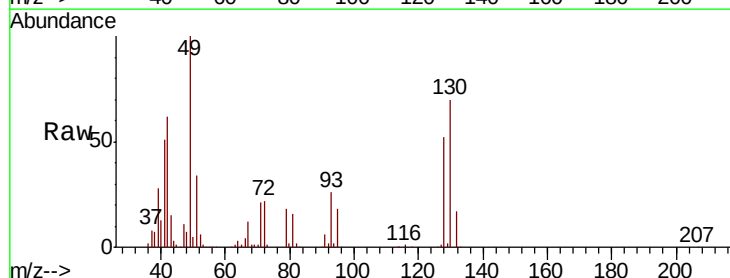
Tgt Ion: 96 Resp: 237509
Ion Ratio Lower Upper
96 100
61 154.7 0.0 309.4
98 64.3 0.0 128.6

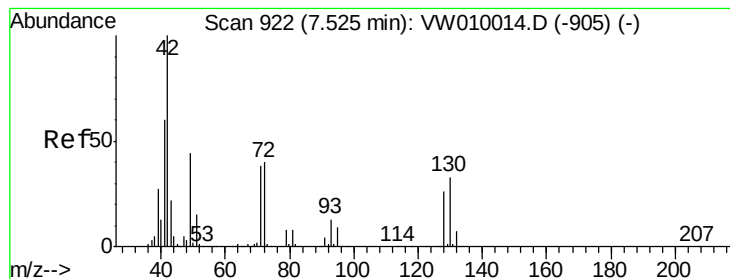


#28

Bromochloromethane
Concen: 48.196 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 49 Resp: 169085
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 68.3 54.6 82.0





#29

Tetrahydrofuran

Concen: 248.645 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

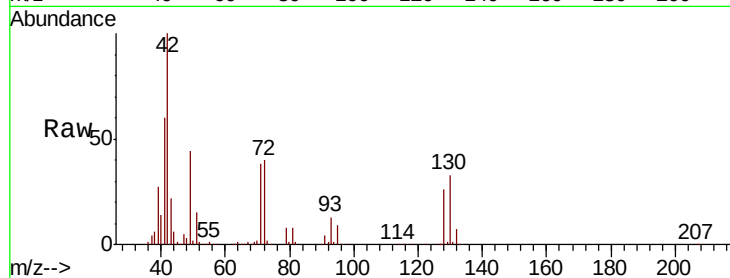
Tgt Ion: 42 Resp: 238694

Ion Ratio Lower Upper

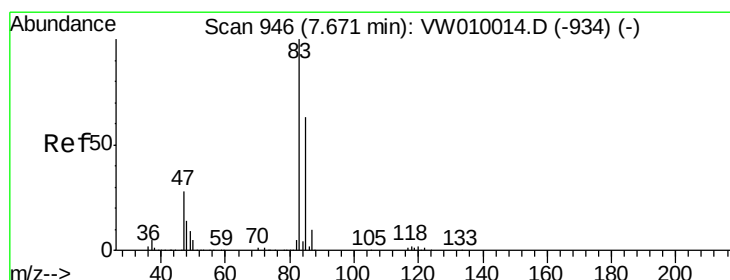
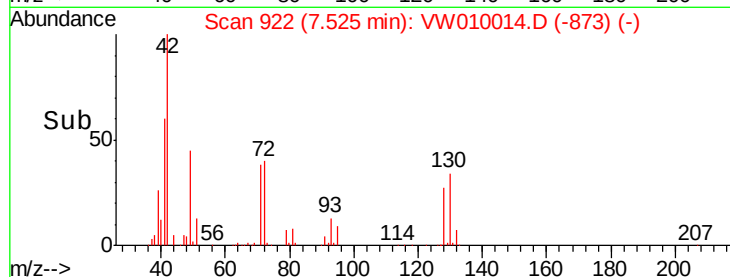
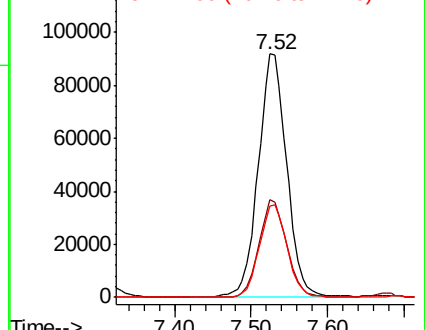
42 100

72 38.8 31.0 46.6

71 37.1 29.7 44.5



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



#30

Chloroform

Concen: 48.620 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010014.D

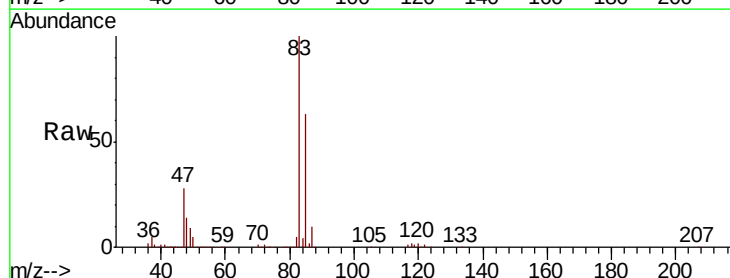
Acq: 17 Apr 2019 12:17

Tgt Ion: 83 Resp: 418225

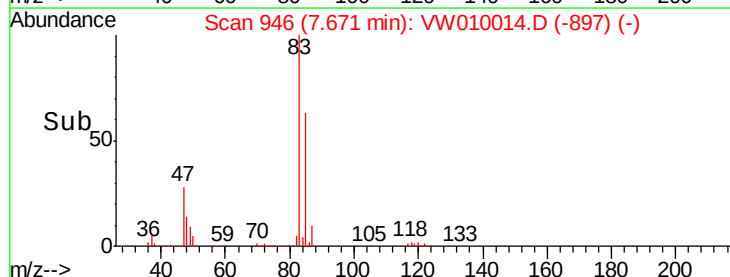
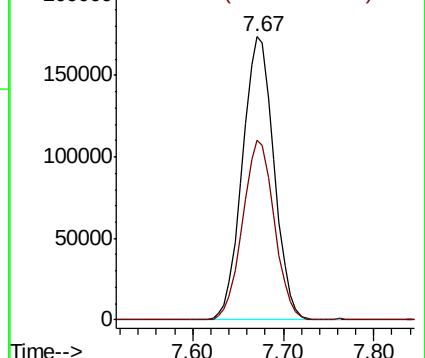
Ion Ratio Lower Upper

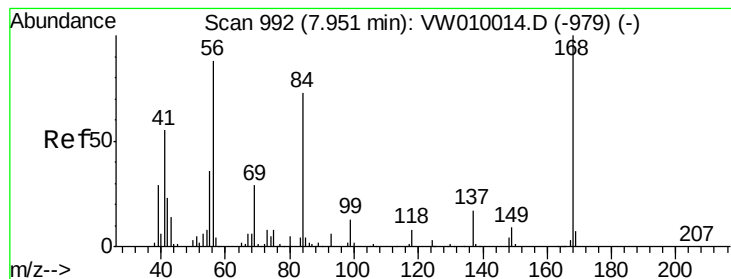
83 100

85 63.4 50.7 76.1



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





#31

Cyclohexane

Concen: 49.494 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

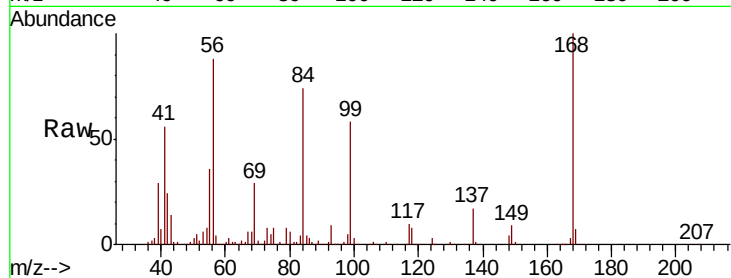
Tgt Ion: 56 Resp: 397873

Ion Ratio Lower Upper

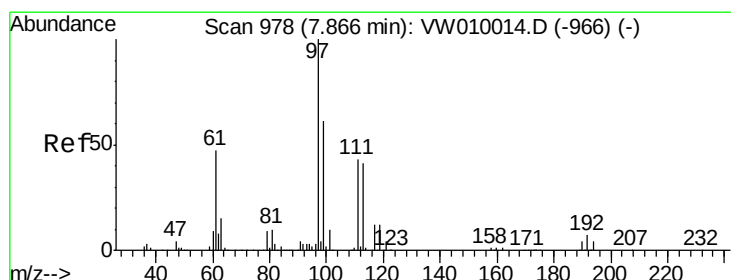
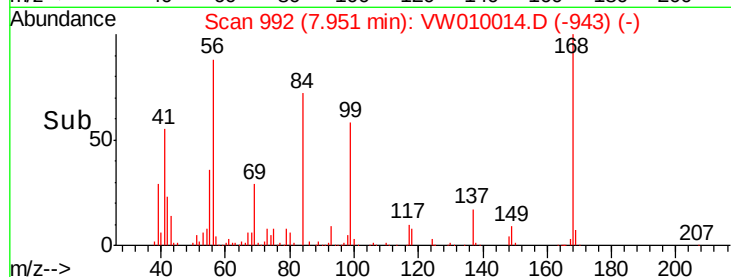
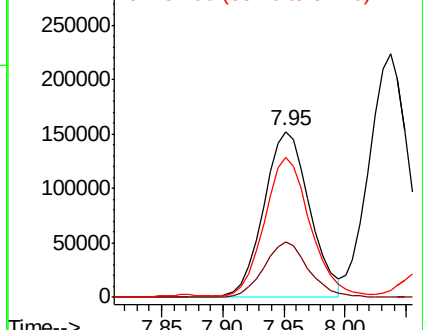
56 100

69 33.3 26.6 40.0

84 82.7 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 49.438 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

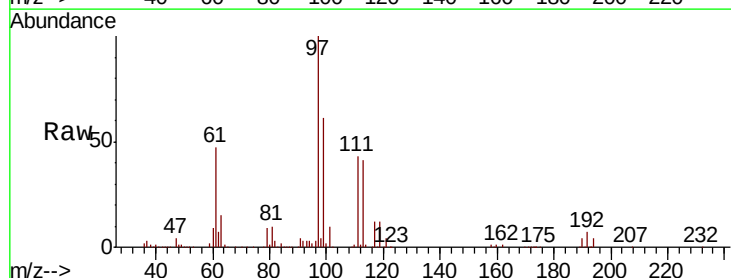
Tgt Ion: 97 Resp: 333850

Ion Ratio Lower Upper

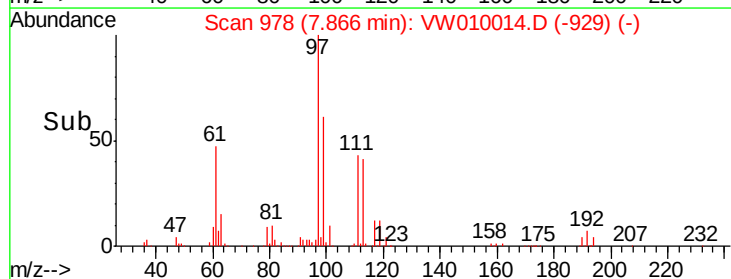
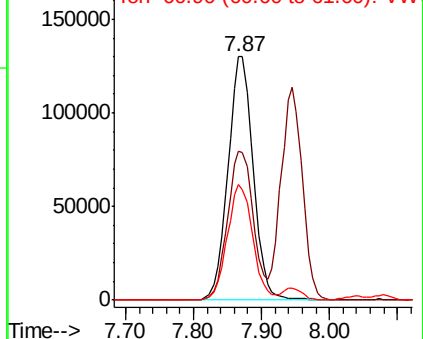
97 100

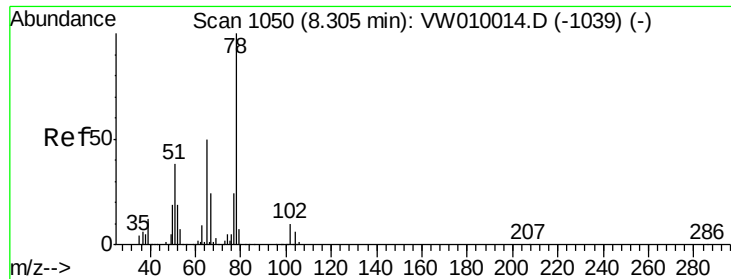
99 62.7 50.2 75.2

61 47.7 38.2 57.2



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

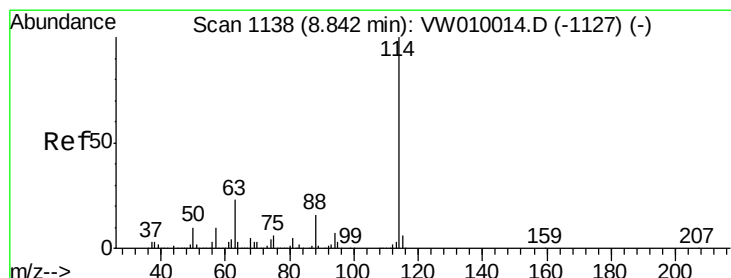
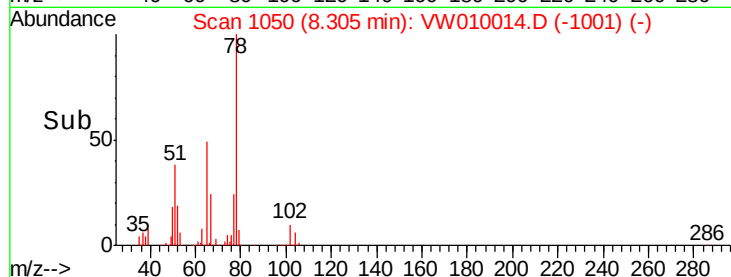
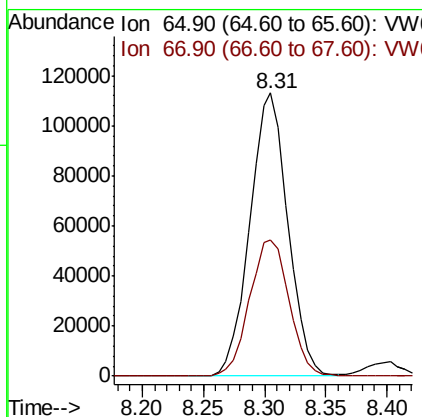
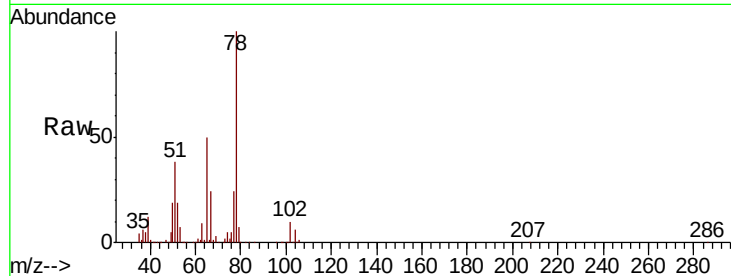




#33
 1,2-Dichloroethane-d4
 Concen: 49.187 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

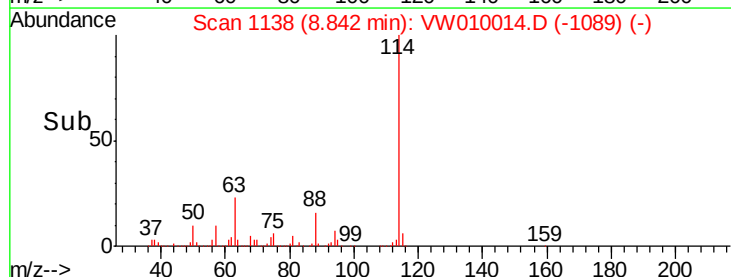
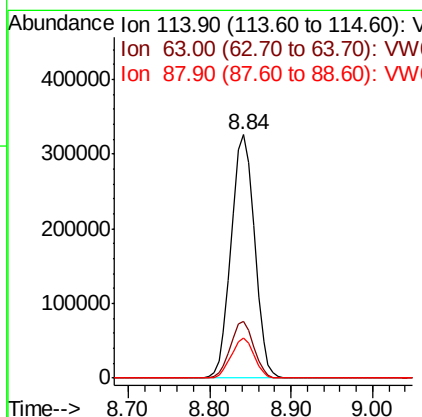
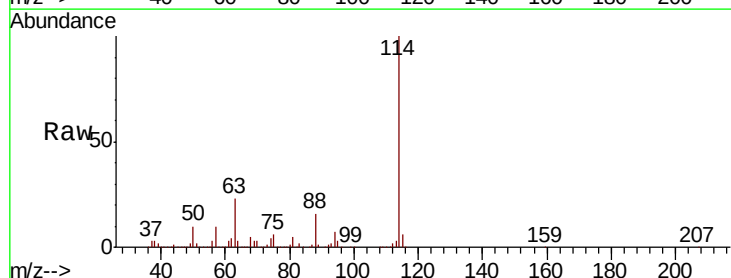
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

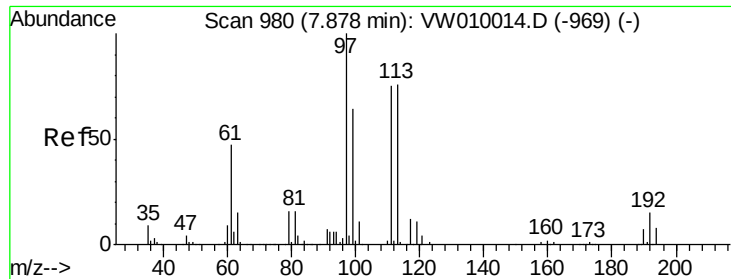
Tgt Ion: 65 Resp: 244500
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 114 Resp: 642072
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.2
 88 16.3 0.0 32.6

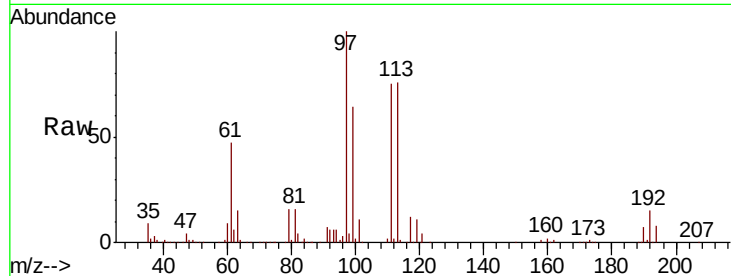




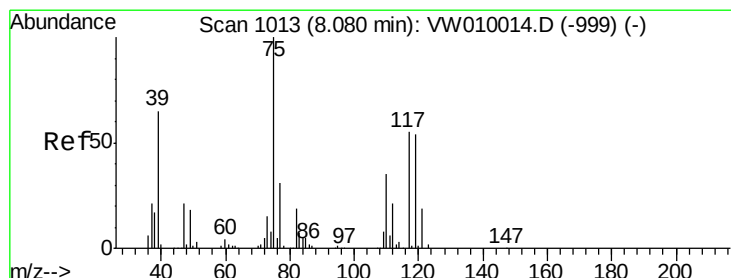
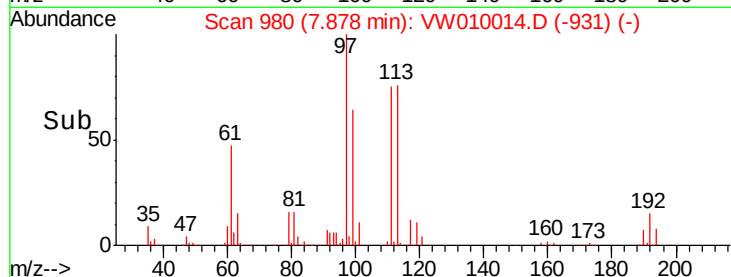
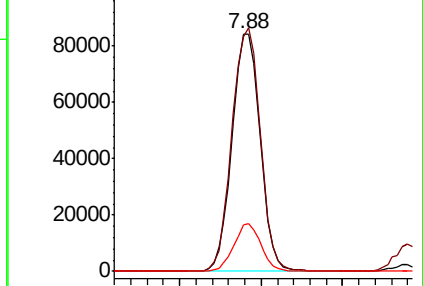
#35
 Dibromofluoromethane
 Concen: 49.188 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 200789
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.6 123.8
 192 19.3 15.4 23.2

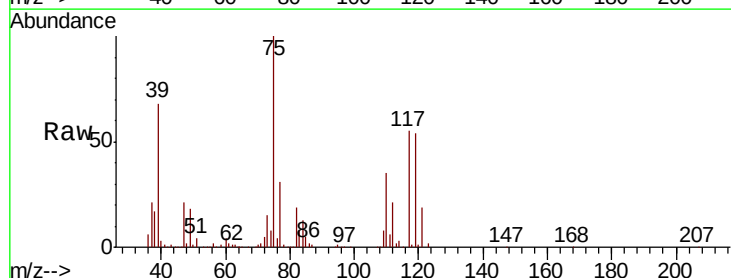


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

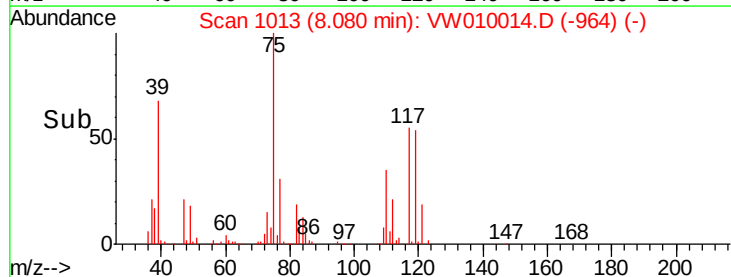
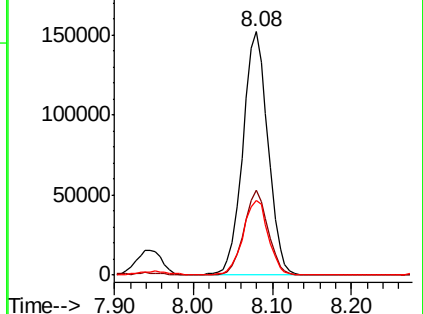


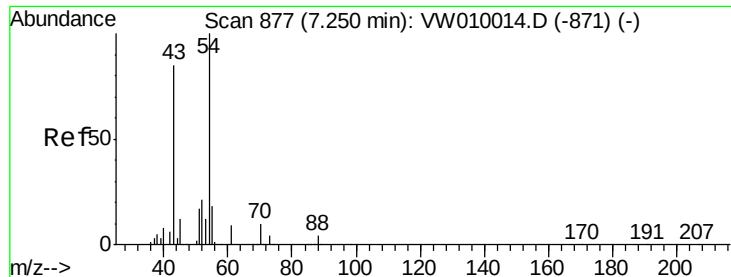
#36
 1,1-Dichloropropene
 Concen: 51.539 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 75 Resp: 338026
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.6 49.8
 77 31.0 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

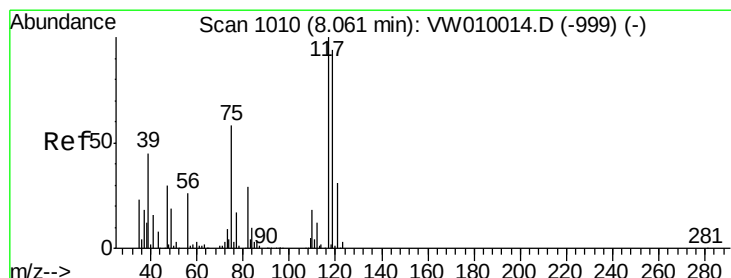
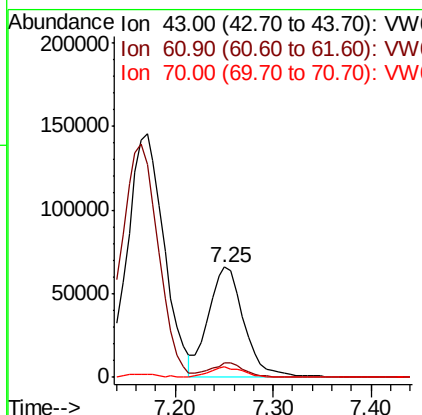
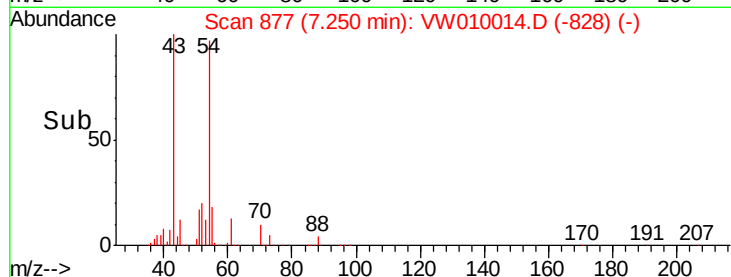
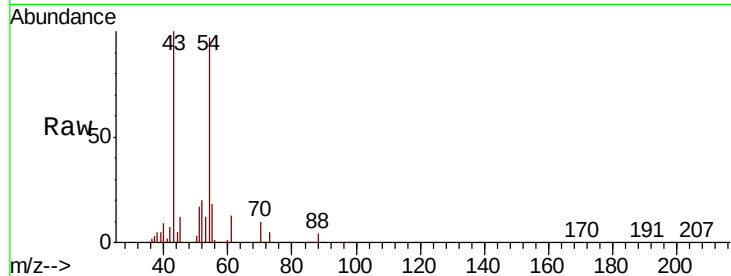




#37
Ethyl Acetate
Concen: 49.533 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

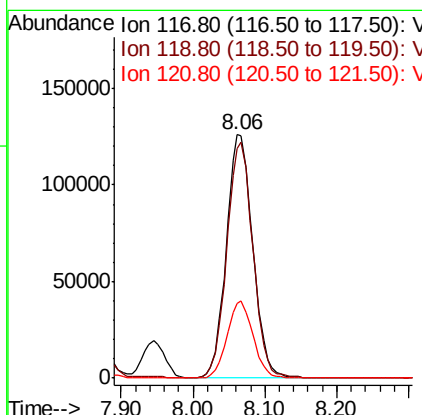
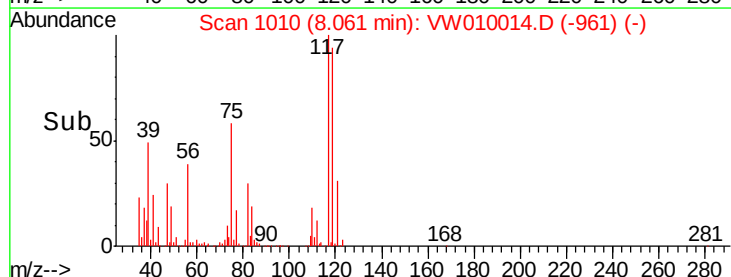
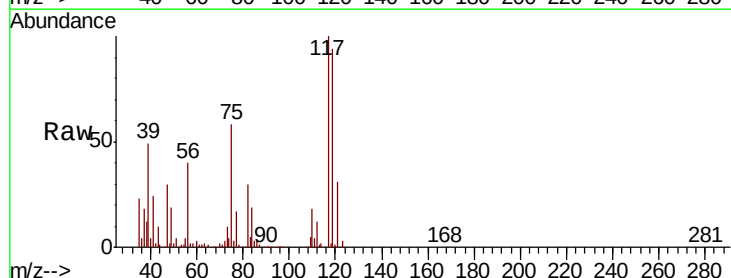
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

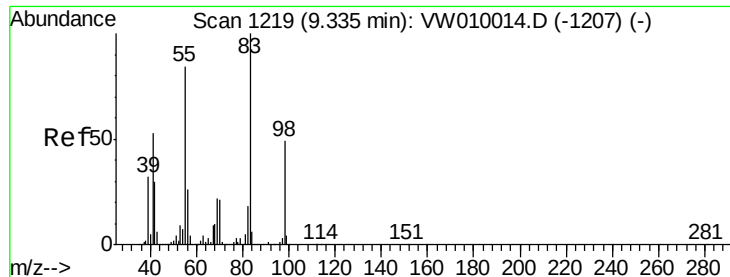
Tgt Ion: 43 Resp: 165082
Ion Ratio Lower Upper
43 100
61 12.3 9.8 14.8
70 9.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 50.306 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 117 Resp: 322010
Ion Ratio Lower Upper
117 100
119 94.1 75.3 112.9
121 30.5 24.4 36.6

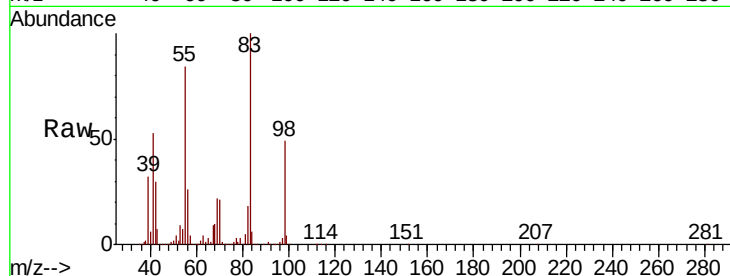




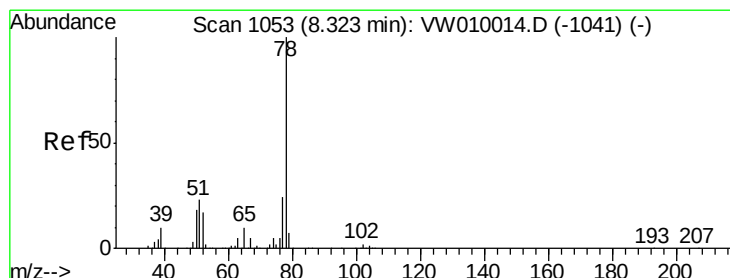
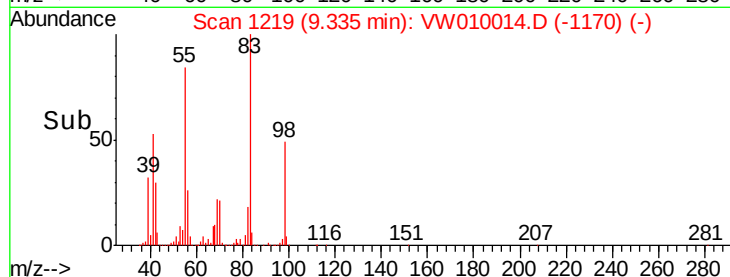
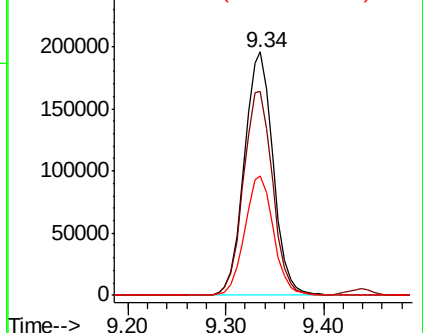
#39
Methylcyclohexane
Concen: 54.026 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tgt Ion: 83 Resp: 398733
Ion Ratio Lower Upper
83 100
55 83.9 67.1 100.7
98 49.0 39.2 58.8

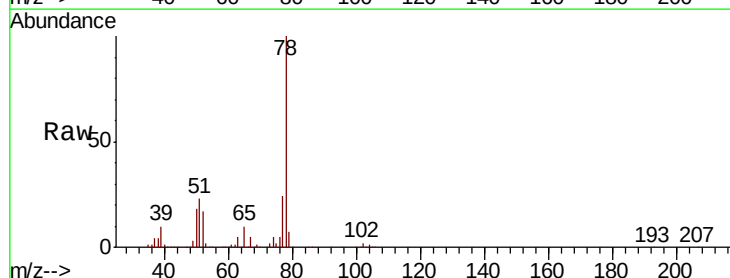


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

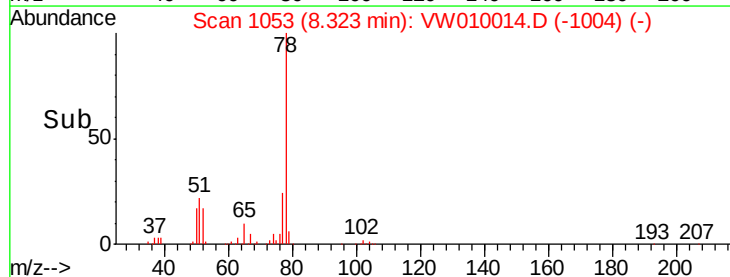
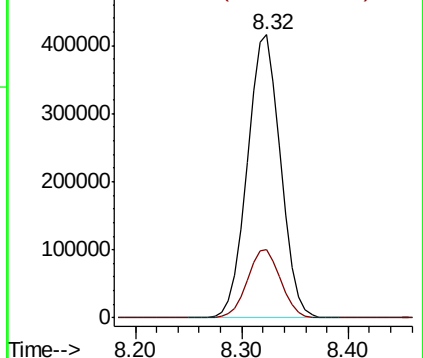


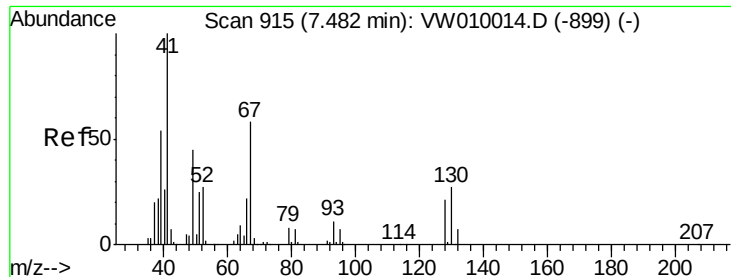
#40
Benzene
Concen: 50.756 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 78 Resp: 910215
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

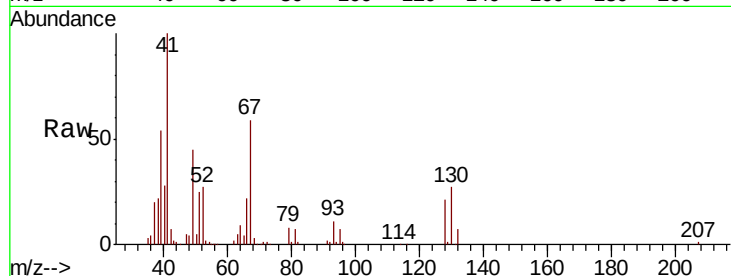




#41
Methacrylonitrile
Concen: 50.774 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	96442
Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.0	67.4
67	63.4	50.7	76.1
52	28.2	22.6	33.8



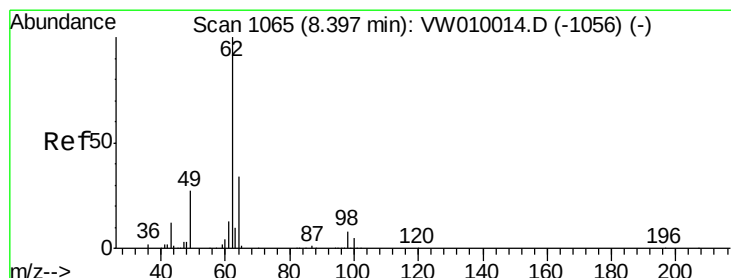
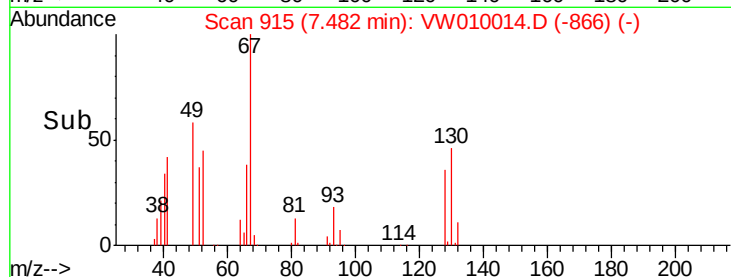
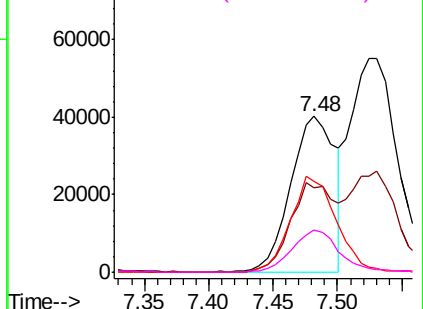
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

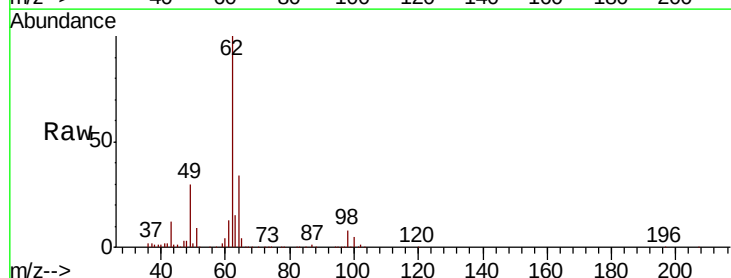
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 49.141 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

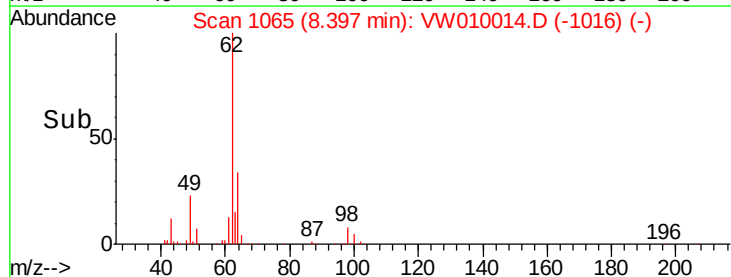
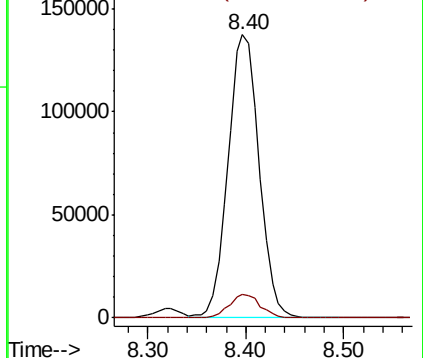
Tgt Ion:	62	Resp:	302852
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6

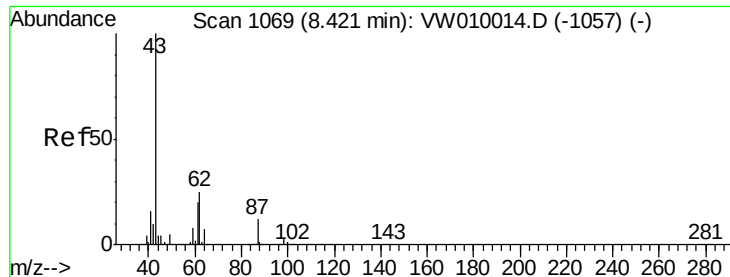


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 49.150 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

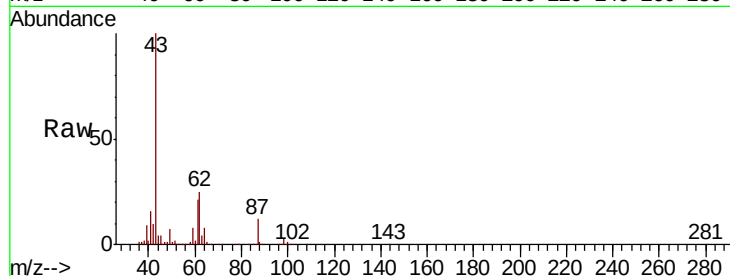
Tgt Ion: 43 Resp: 306951

Ion Ratio Lower Upper

43 100

61 28.8 23.0 34.6

87 11.6 9.3 13.9



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

200000

150000

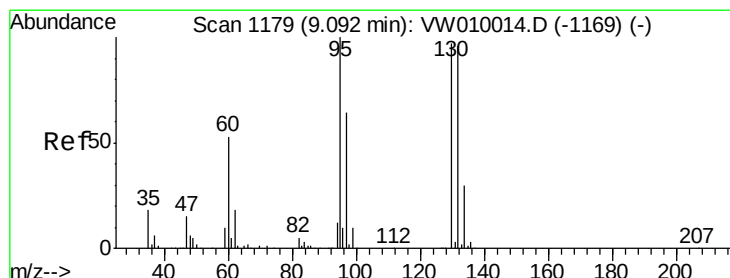
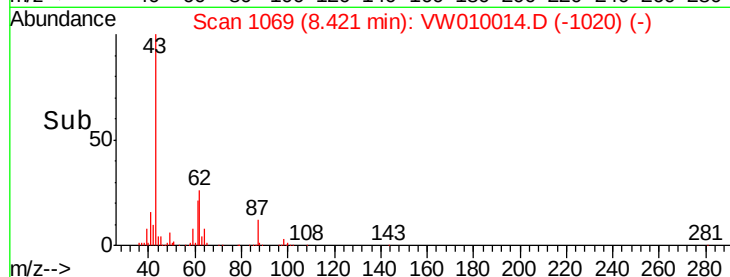
100000

50000

0

8.30 8.40 8.50

Time-->



#44

Trichloroethene

Concen: 50.030 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010014.D

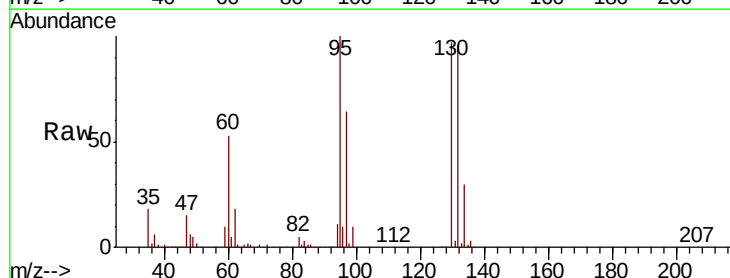
Acq: 17 Apr 2019 12:17

Tgt Ion: 130 Resp: 227876

Ion Ratio Lower Upper

130 100

95 102.7 0.0 205.4



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

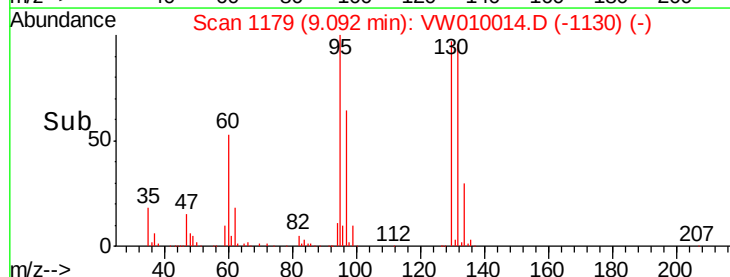
100000

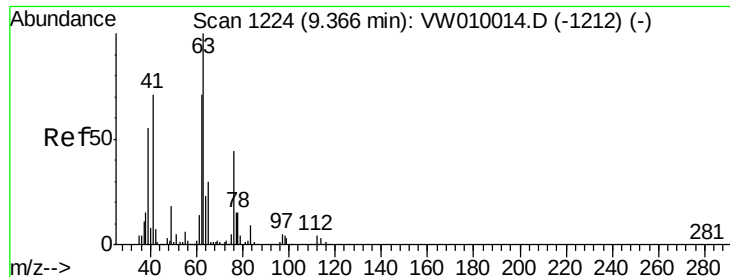
50000

0

9.00 9.05 9.10 9.15

Time-->

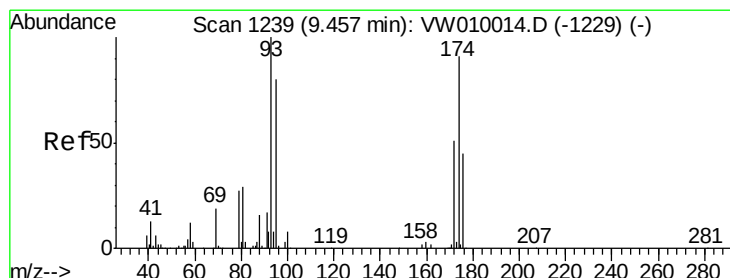
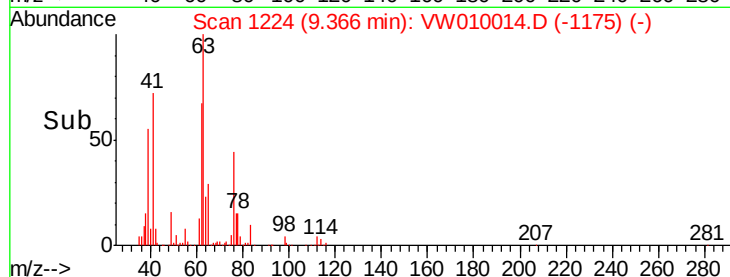
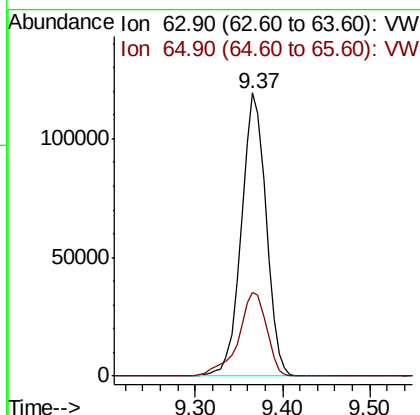
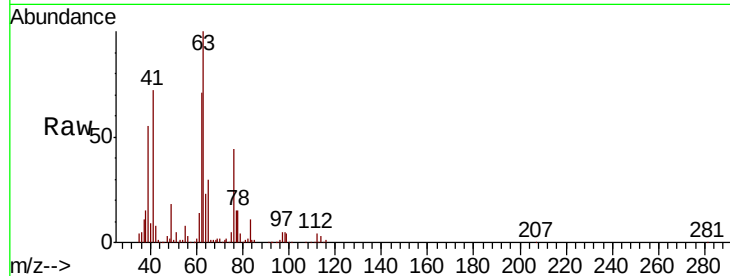




#45
 1,2-Dichloropropane
 Concen: 49.577 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

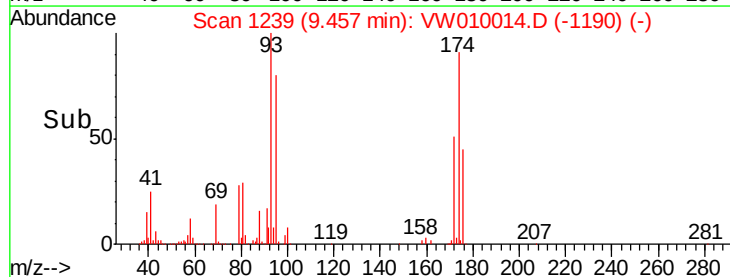
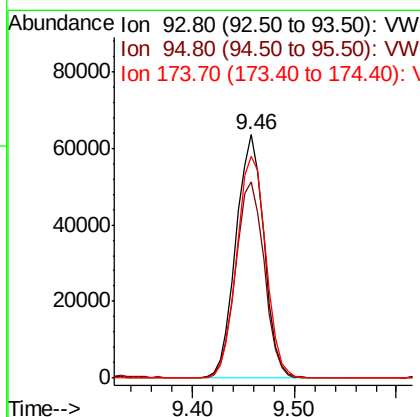
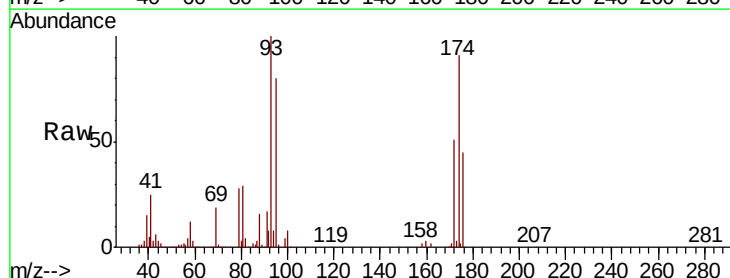
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

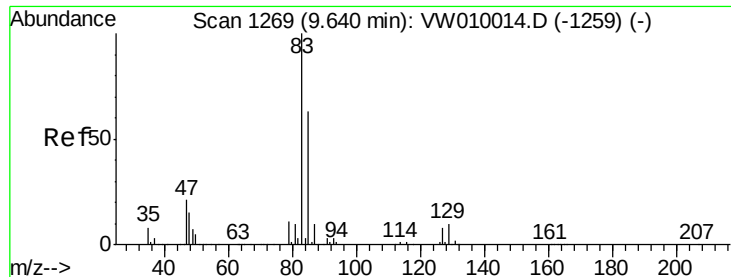
Tgt Ion: 63 Resp: 233693
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6



#46
 Dibromomethane
 Concen: 49.515 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 93 Resp: 120969
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.8
 174 94.4 75.5 113.3

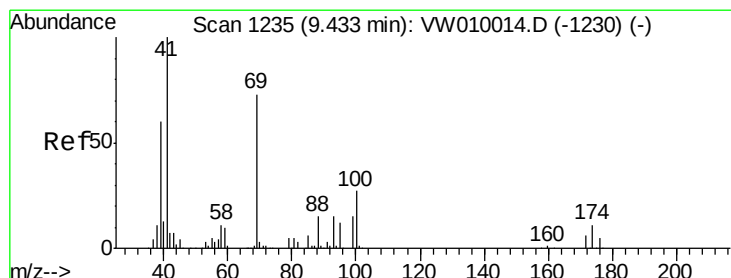
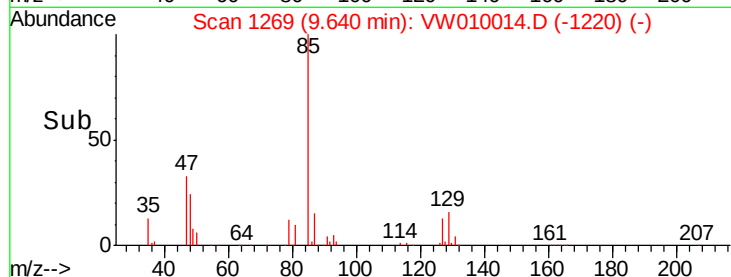
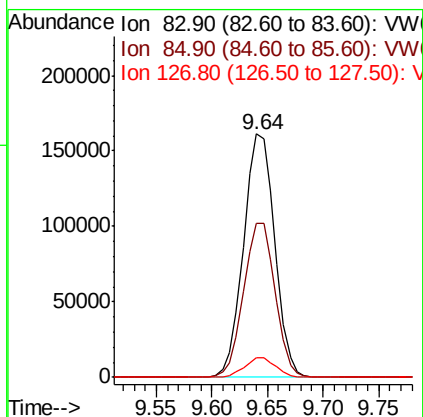
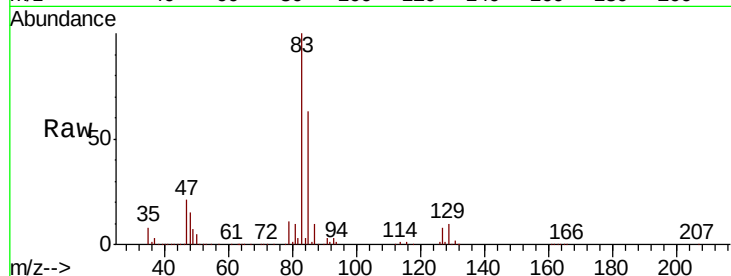




#47
 Bromodichloromethane
 Concen: 49.852 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

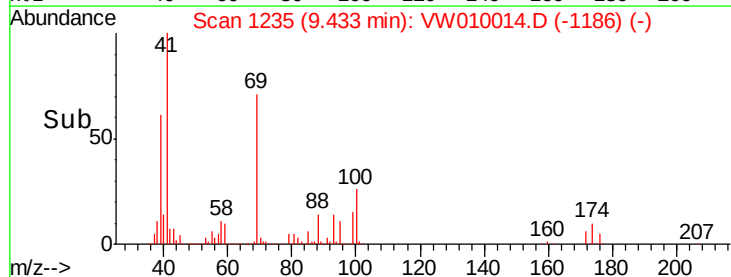
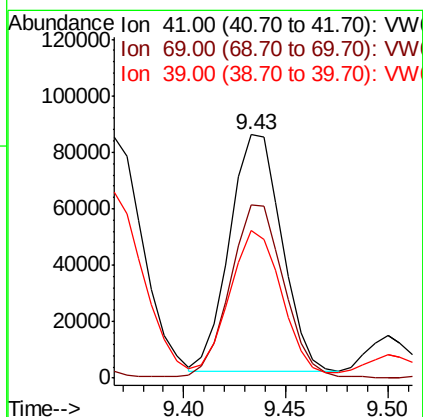
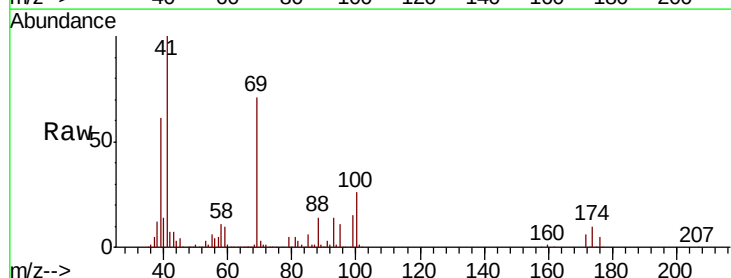
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

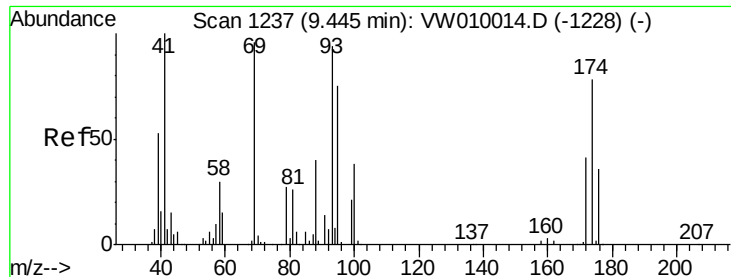
Tgt Ion: 83 Resp: 314400
 Ion Ratio Lower Upper
 83 100
 85 63.2 50.6 75.8
 127 8.3 6.6 10.0



#48
 Methyl methacrylate
 Concen: 49.074 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 41 Resp: 149185
 Ion Ratio Lower Upper
 41 100
 69 75.1 60.1 90.1
 39 63.8 51.0 76.6

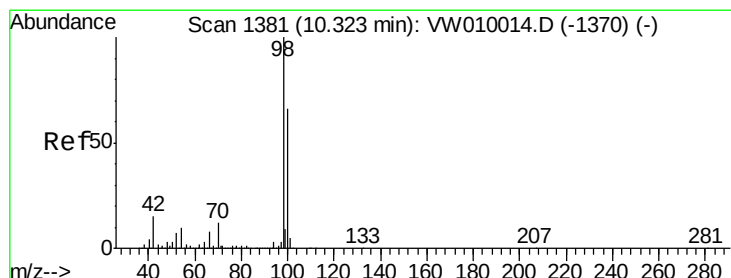
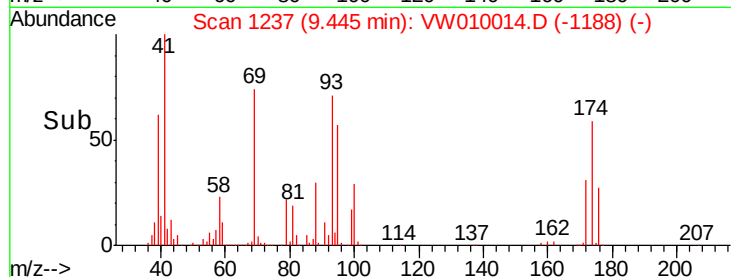
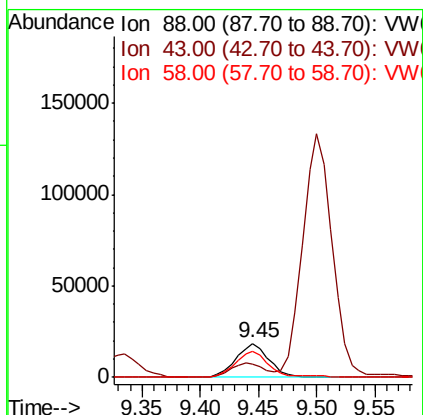
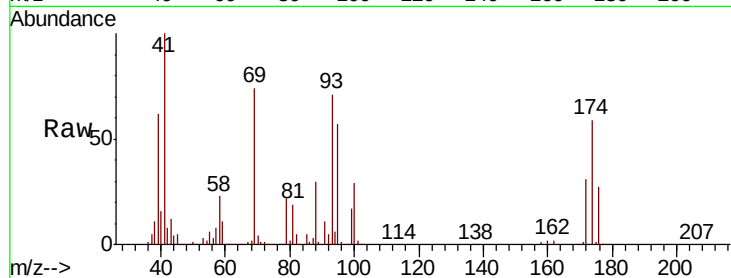




#49
1,4-Dioxane
Concen: 988.393 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

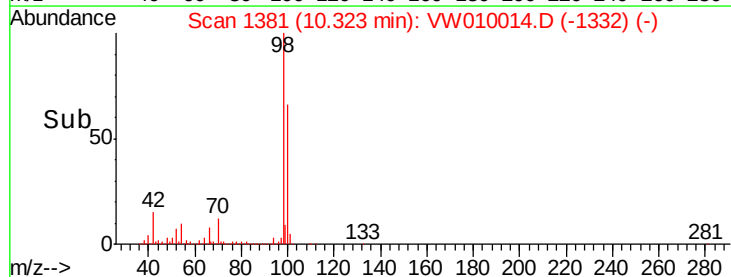
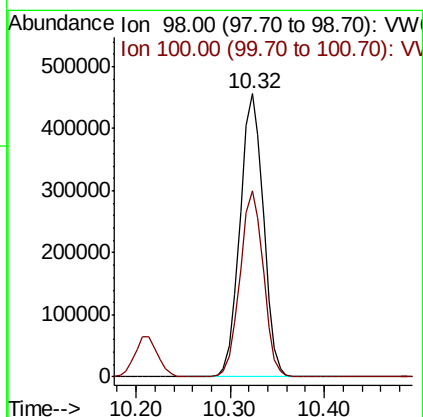
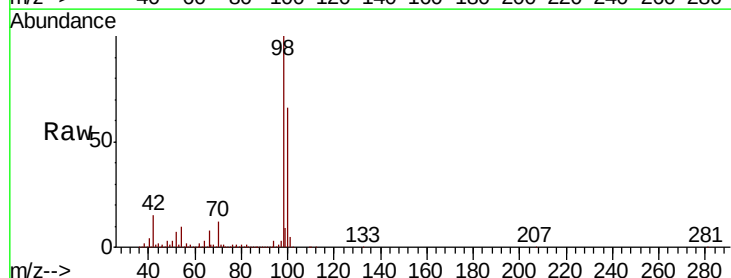
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

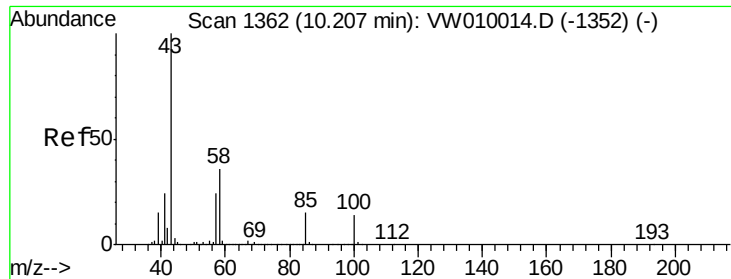
Tgt Ion: 88 Resp: 36897
Ion Ratio Lower Upper
88 100
43 39.9 31.9 47.9
58 77.2 61.8 92.6



#50
Toluene-d8
Concen: 51.702 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 98 Resp: 790850
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

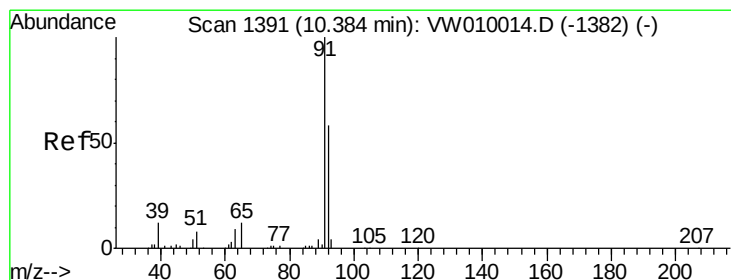
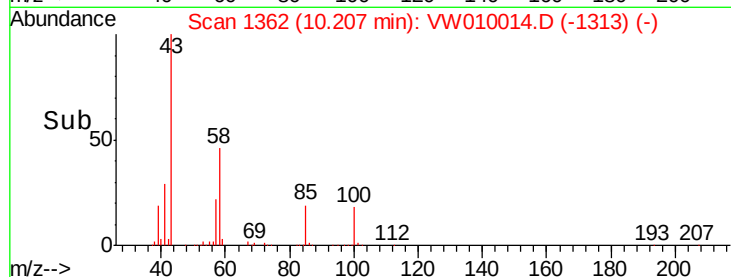
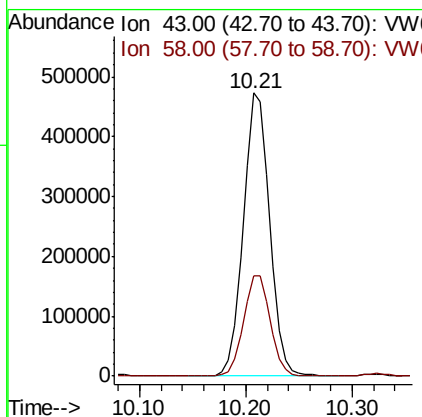
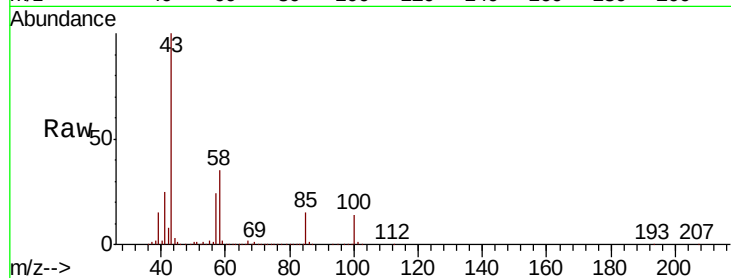




#51
 4-Methyl-2-Pentanone
 Concen: 250.718 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

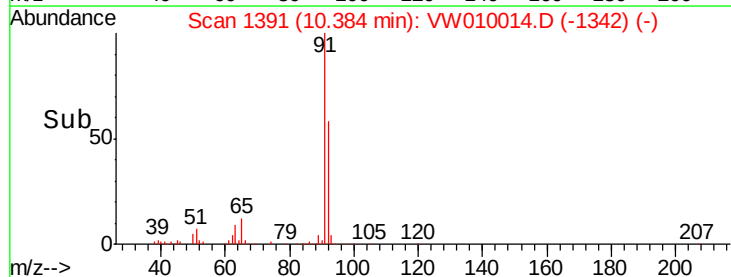
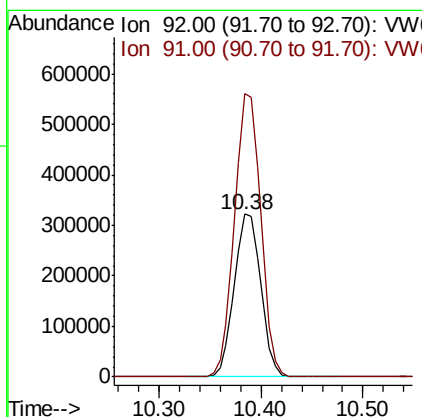
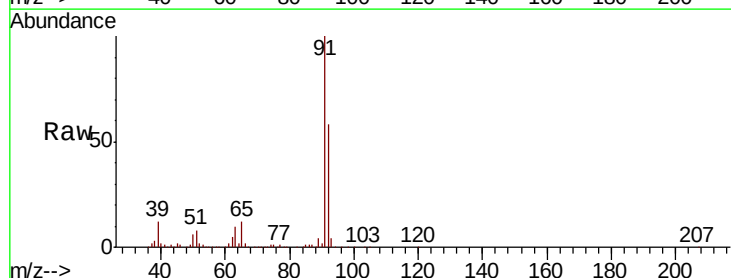
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

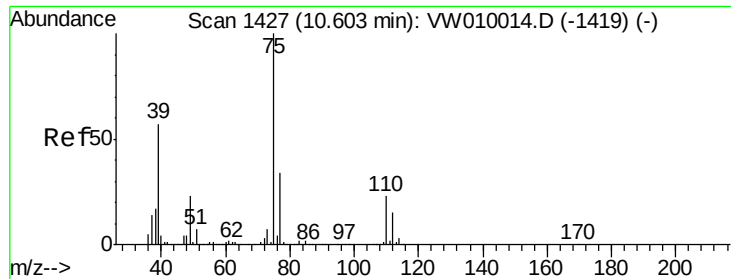
Tgt Ion: 43 Resp: 820089
 Ion Ratio Lower Upper
 43 100
 58 36.1 28.9 43.3



#52
 Toluene
 Concen: 51.643 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 92 Resp: 576898
 Ion Ratio Lower Upper
 92 100
 91 173.1 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 50.969 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

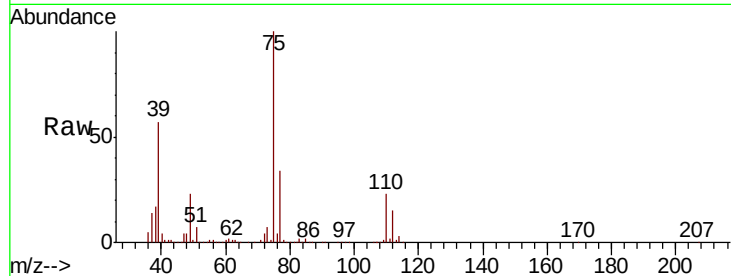
VSTDICCC050

Tgt Ion: 75 Resp: 318694

Ion Ratio Lower Upper

75 100

77 33.6 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

200000

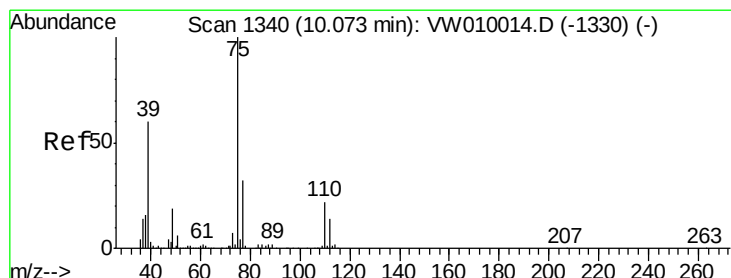
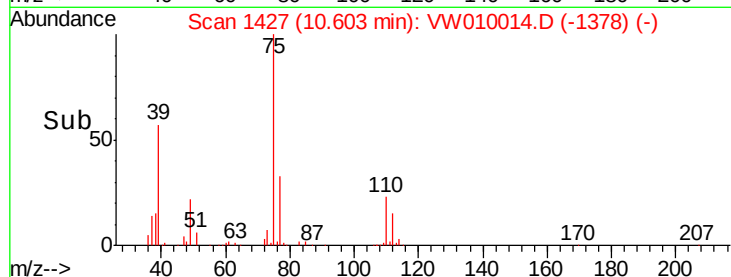
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 51.343 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

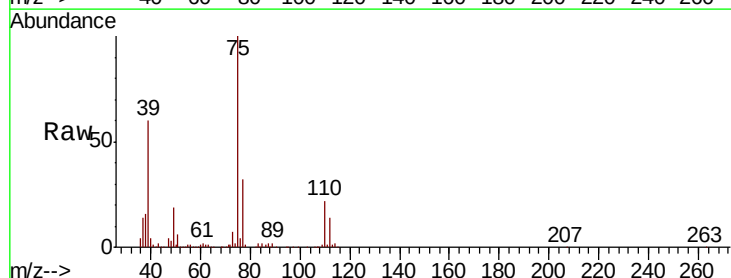
Tgt Ion: 75 Resp: 366578

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 59.7 47.8 71.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

250000

200000

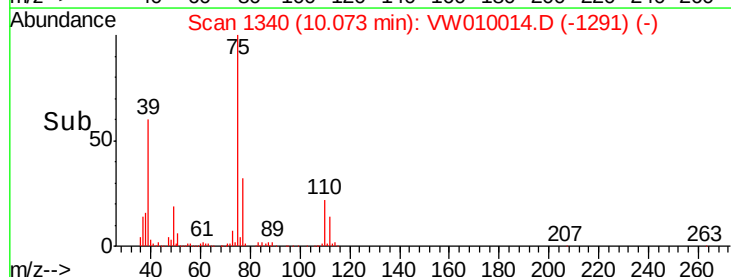
150000

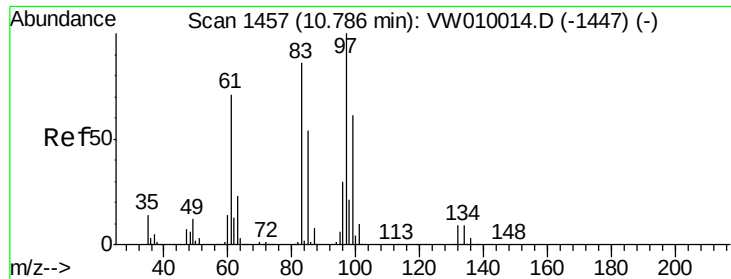
100000

50000

0

Time--> 10.00 10.10 10.20

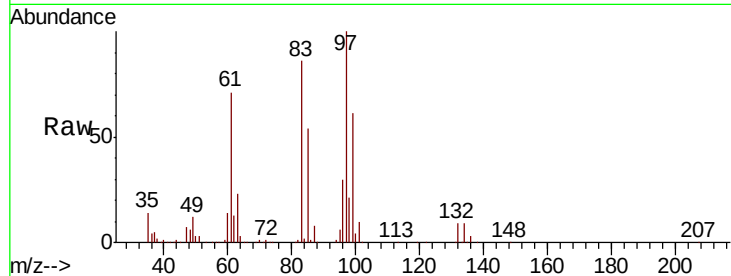




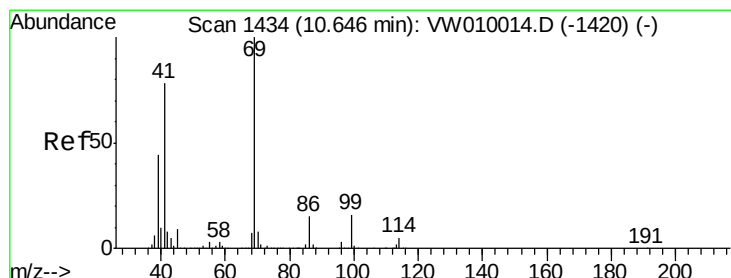
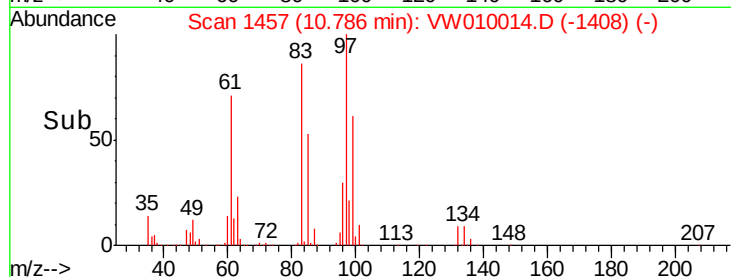
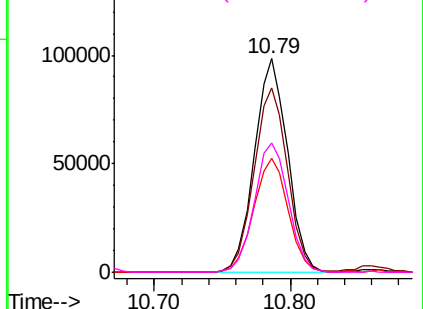
#55
 1,1,2-Trichloroethane
 Concen: 49.331 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion:	97	Resp:	168215
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	53.6	42.9	64.3
99	60.7	48.6	72.8

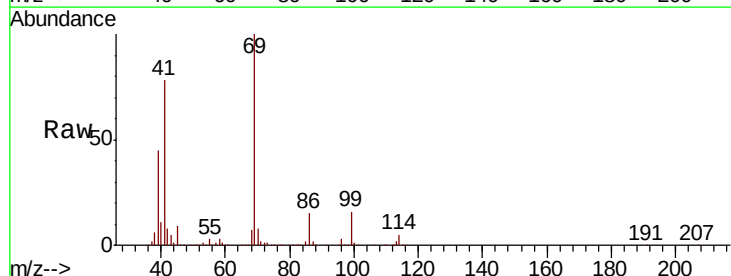


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

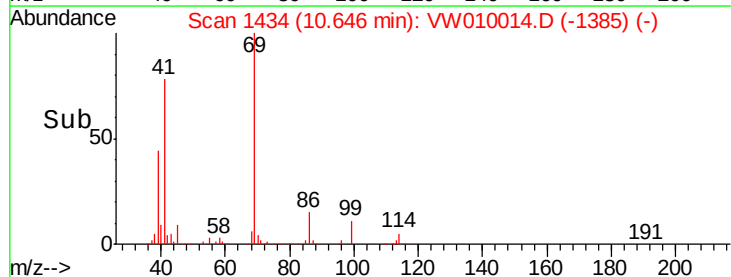
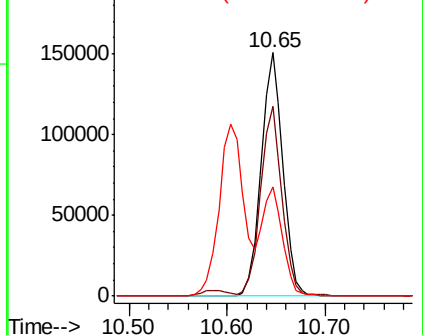


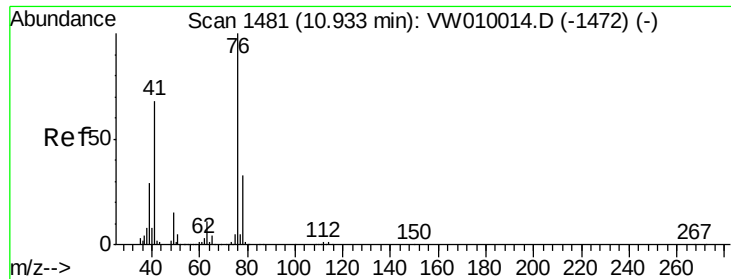
#56
 Ethyl methacrylate
 Concen: 54.488 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion:	69	Resp:	230983
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.0	91.6
39	42.2	33.8	50.6



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





#57

1,3-Dichloropropane

Concen: 49.555 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

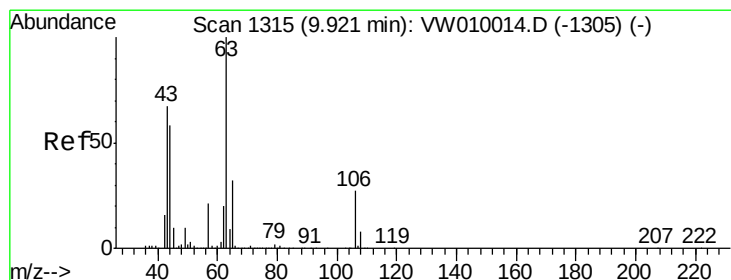
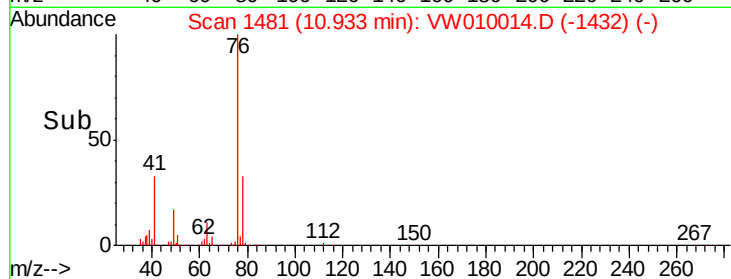
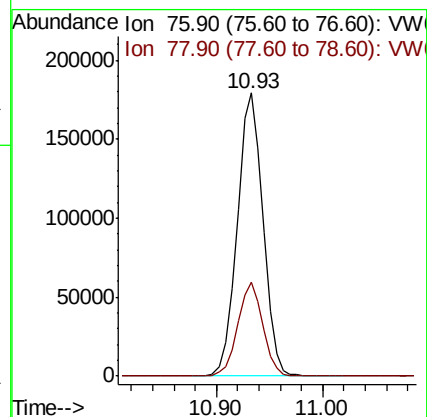
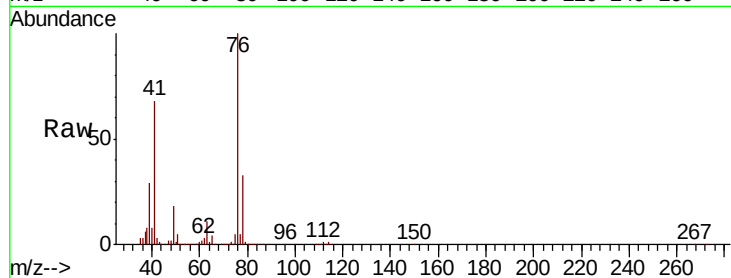
VSTDICCC050

Tgt Ion: 76 Resp: 302871

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 295.711 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010014.D

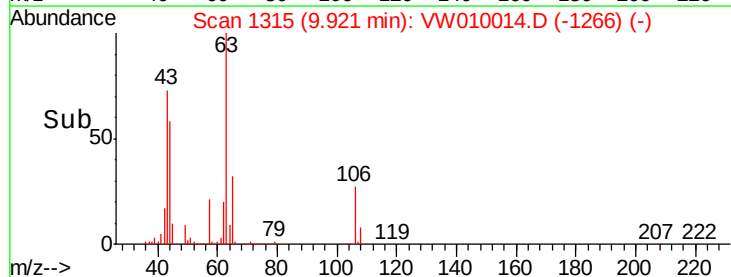
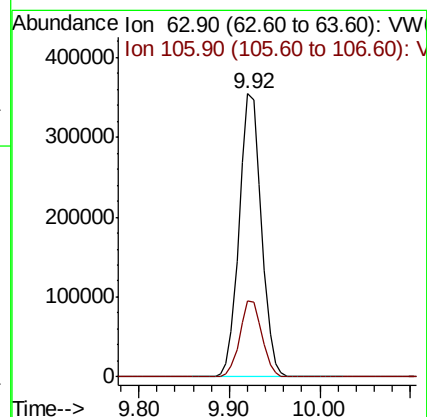
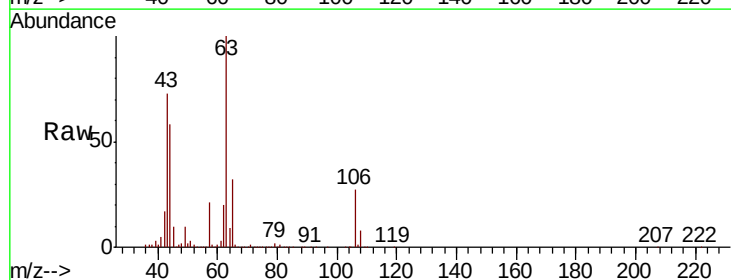
Acq: 17 Apr 2019 12:17

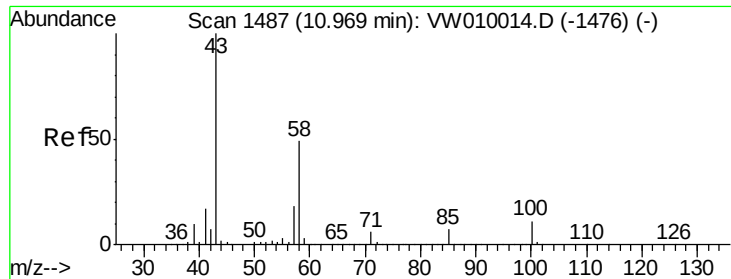
Tgt Ion: 63 Resp: 602531

Ion Ratio Lower Upper

63 100

106 26.7 21.4 32.0

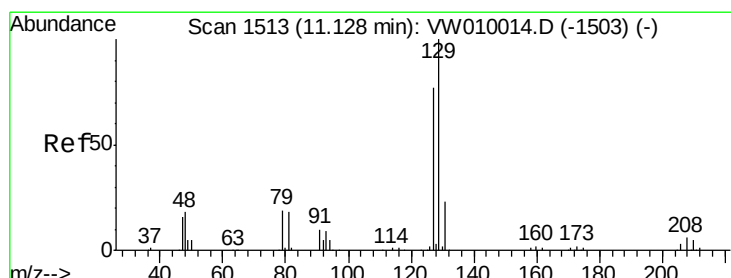
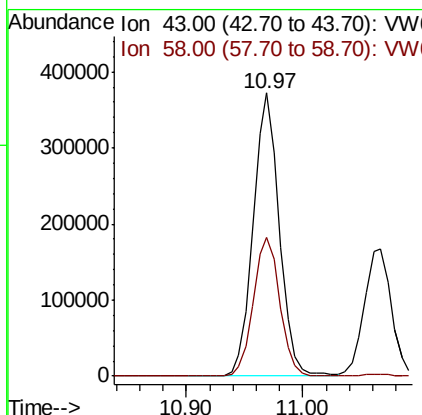
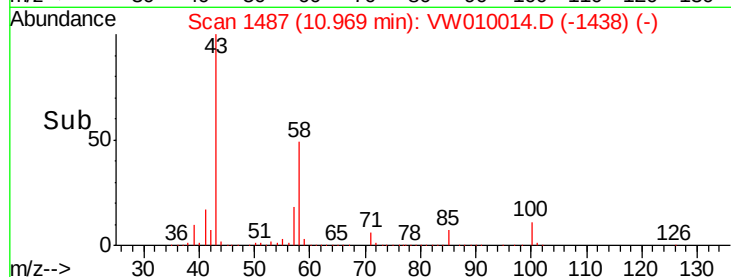
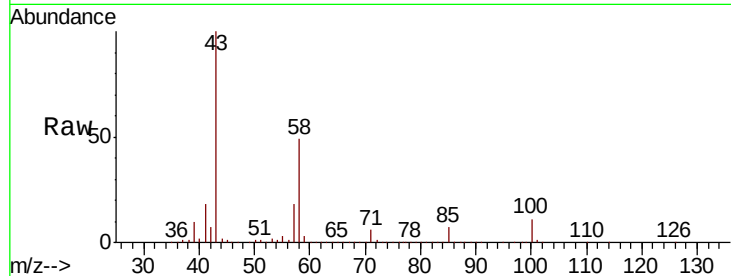




#59
2-Hexanone
Concen: 255.702 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

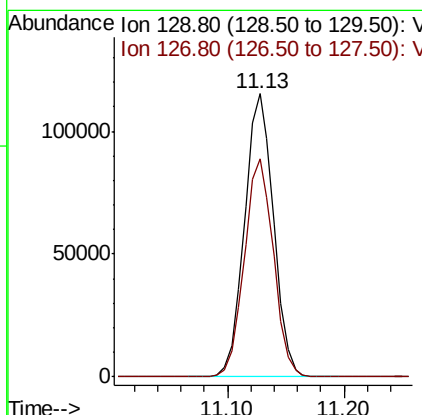
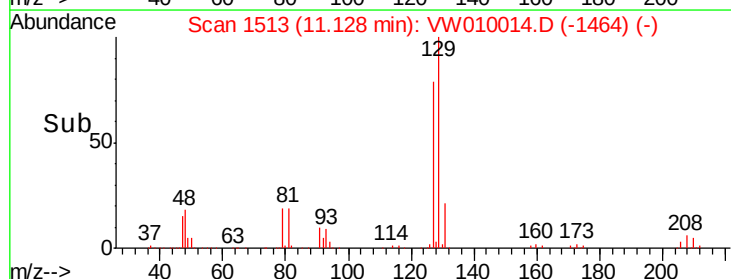
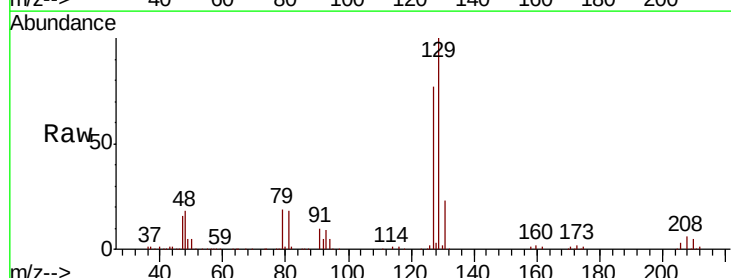
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

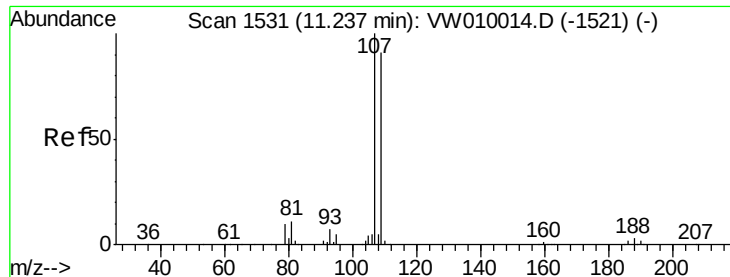
Tgt Ion: 43 Resp: 582220
Ion Ratio Lower Upper
43 100
58 49.8 24.9 74.7



#60
Dibromochloromethane
Concen: 50.746 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 129 Resp: 199998
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

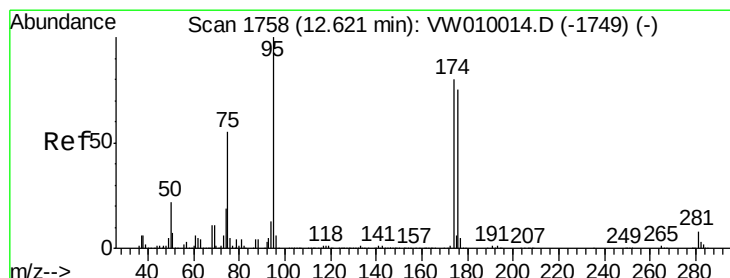
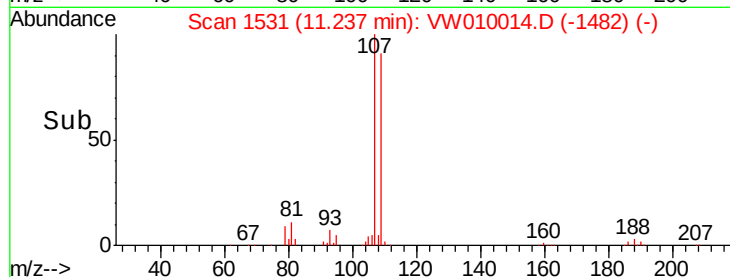
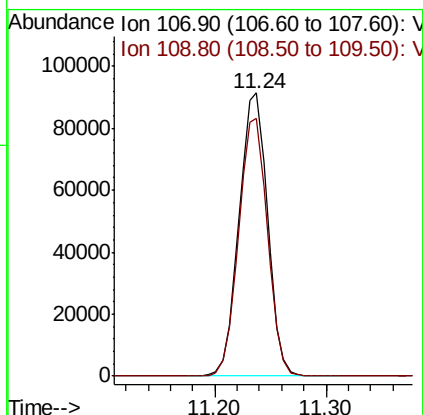
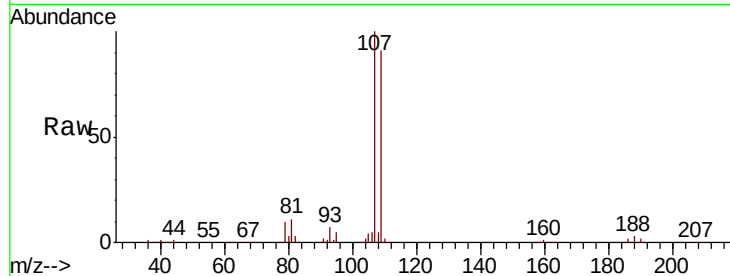




#61
 1,2-Dibromoethane
 Concen: 49.971 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

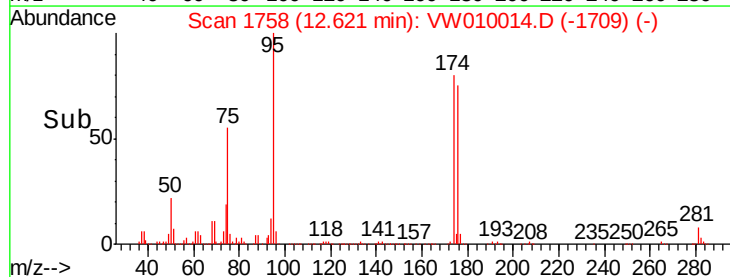
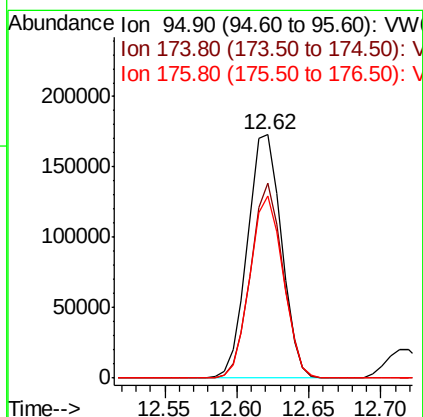
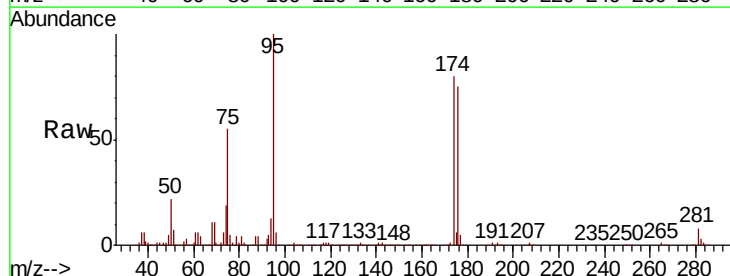
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

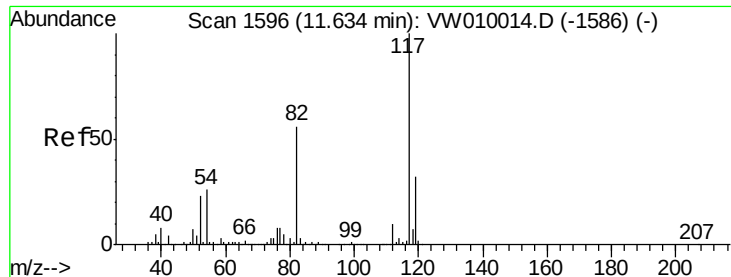
Tgt Ion: 107 Resp: 162095
 Ion Ratio Lower Upper
 107 100
 109 92.0 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 50.979 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 95 Resp: 283448
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 151.4
 176 73.1 0.0 146.2

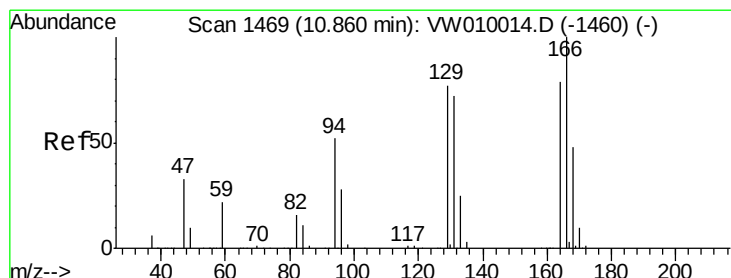
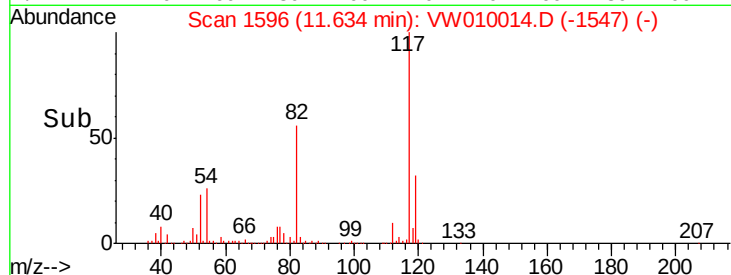
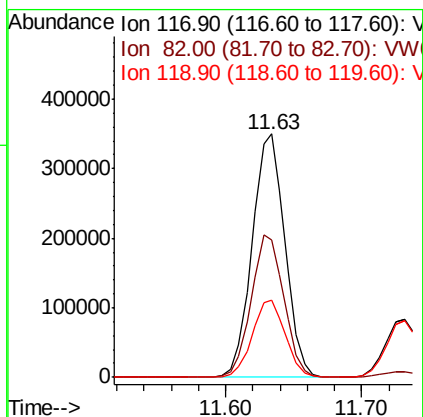
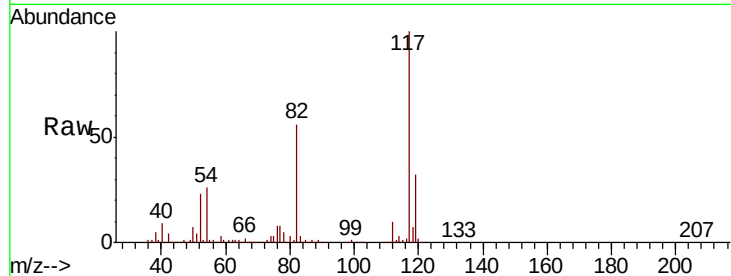




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

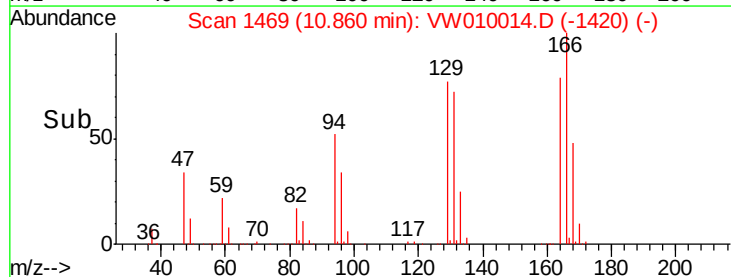
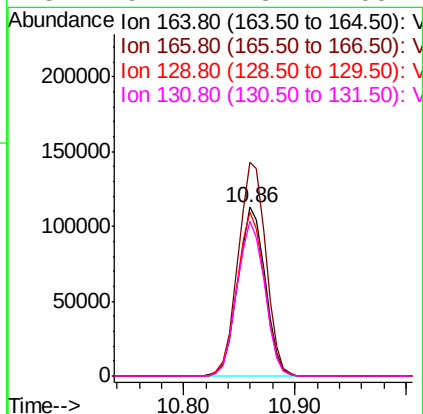
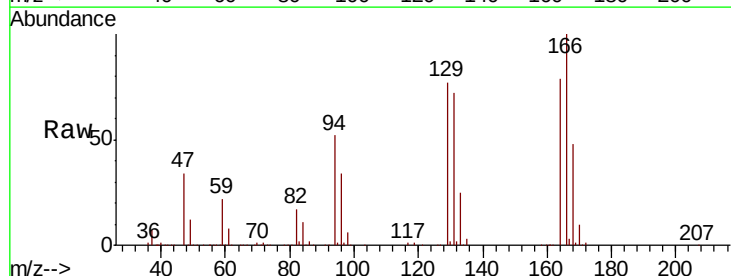
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

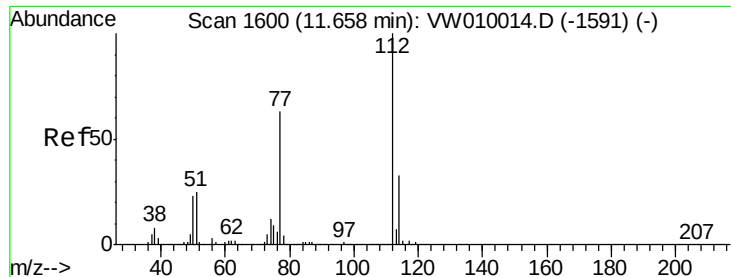
Tgt Ion:117 Resp: 592170
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 49.851 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion:164 Resp: 191636
Ion Ratio Lower Upper
164 100
166 126.5 101.2 151.8
129 97.2 77.8 116.6
131 91.4 73.1 109.7

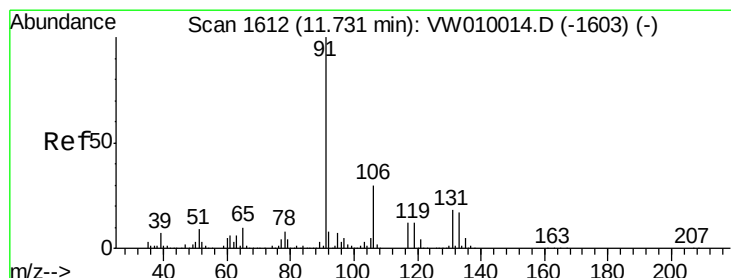
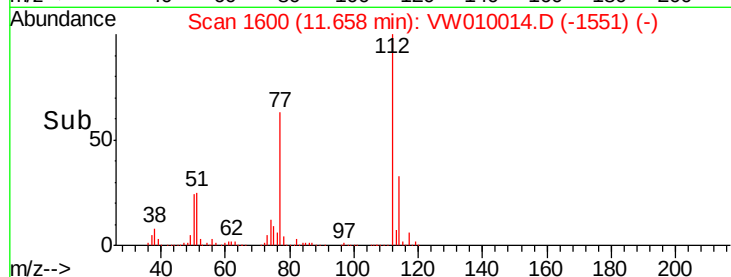
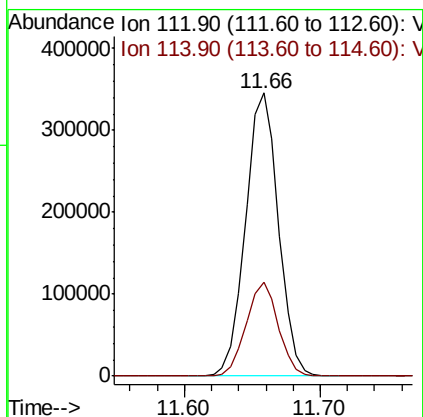
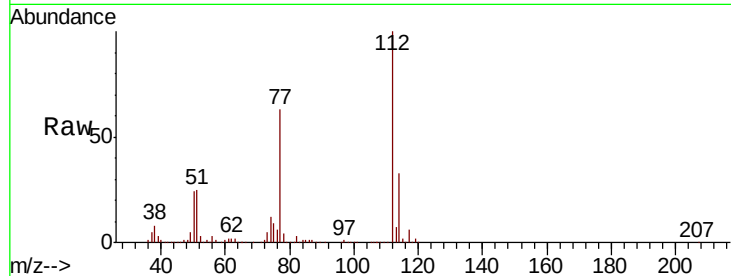




#65
Chlorobenzene
Concen: 48.276 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

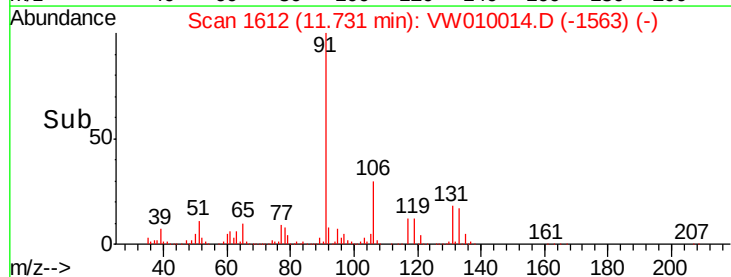
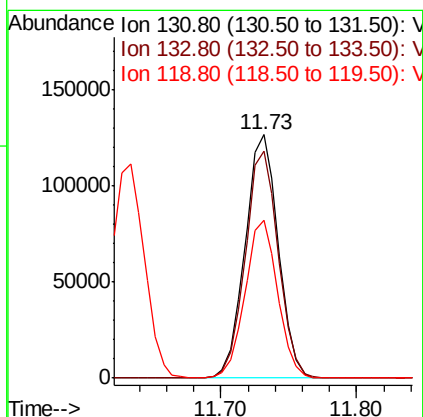
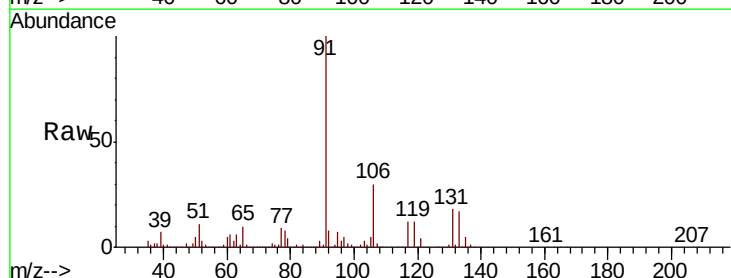
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

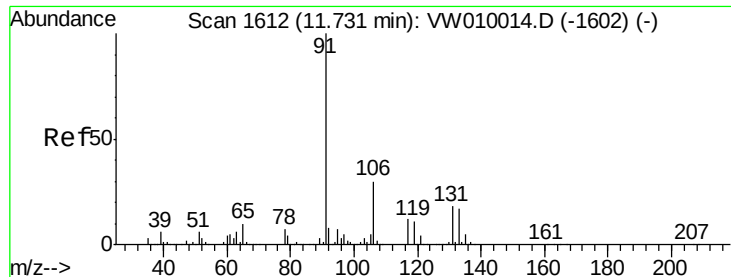
Tgt Ion:112 Resp: 585118
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.735 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion:131 Resp: 215566
Ion Ratio Lower Upper
131 100
133 93.0 46.5 139.5
119 63.7 31.9 95.5

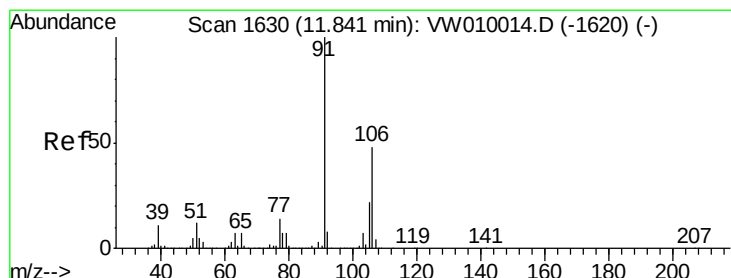
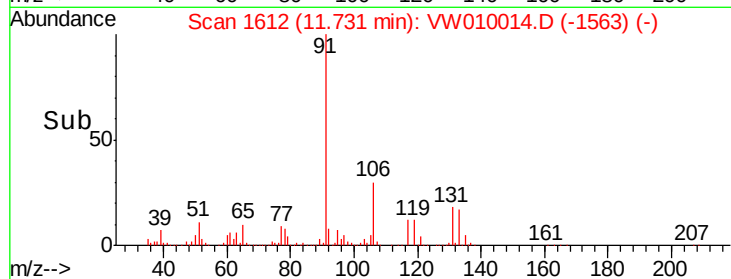
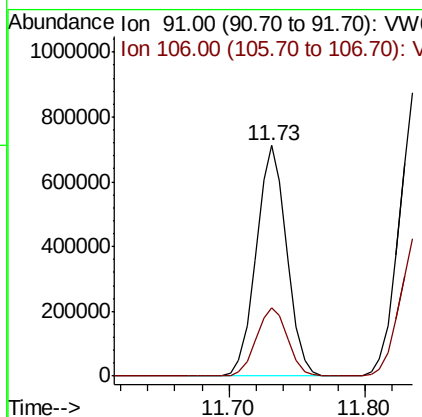
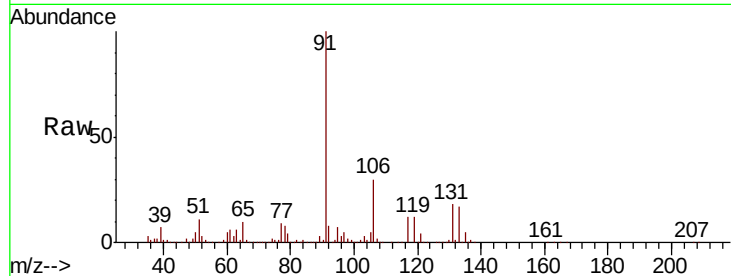




#67
Ethyl Benzene
Concen: 51.820 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

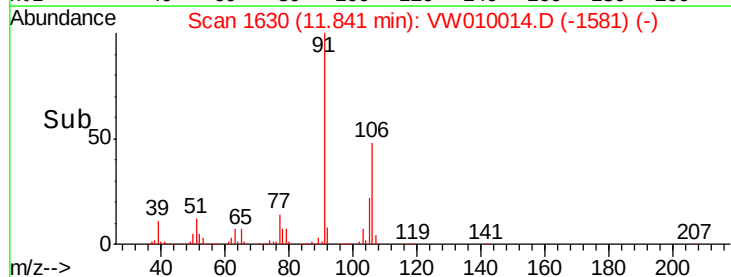
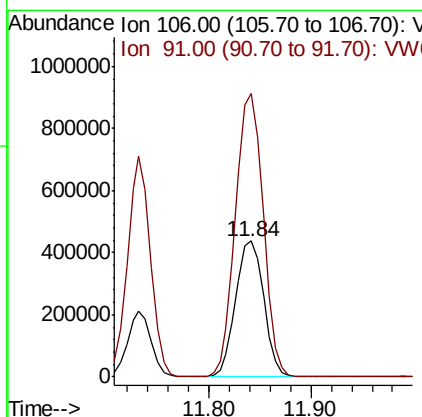
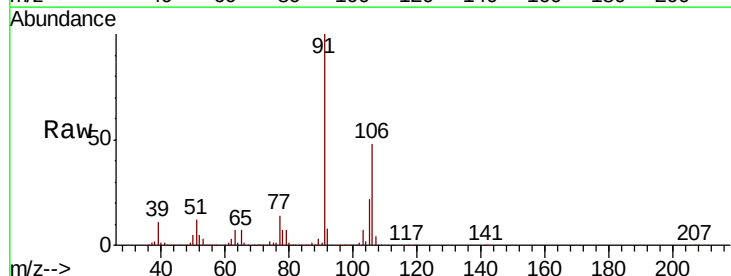
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

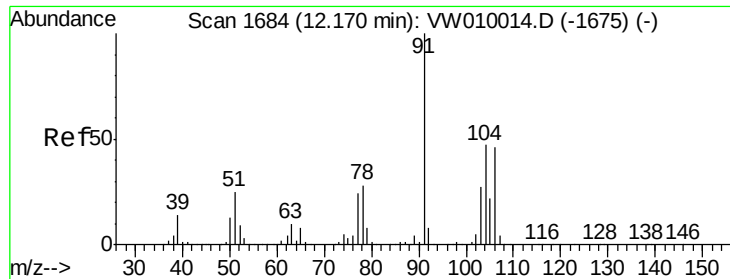
Tgt Ion: 91 Resp: 1120581
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8



#68
m/p-Xylenes
Concen: 103.303 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 106 Resp: 835024
Ion Ratio Lower Upper
106 100
91 206.3 165.0 247.6

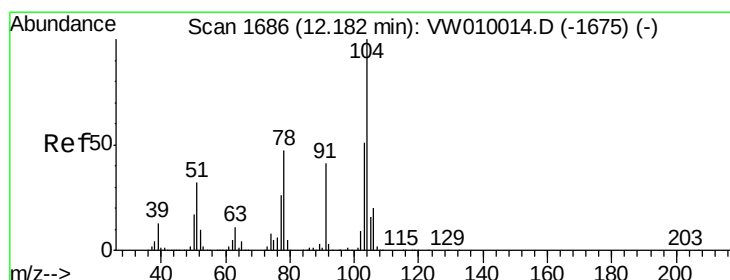
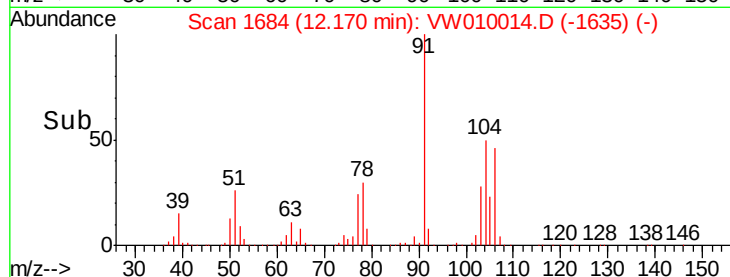
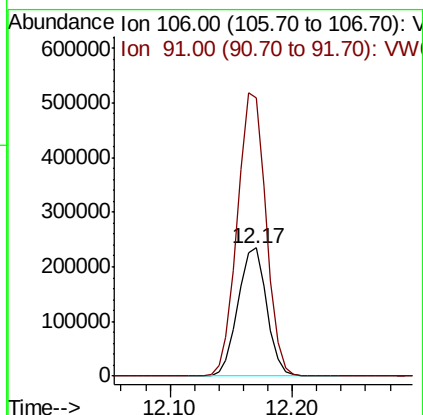
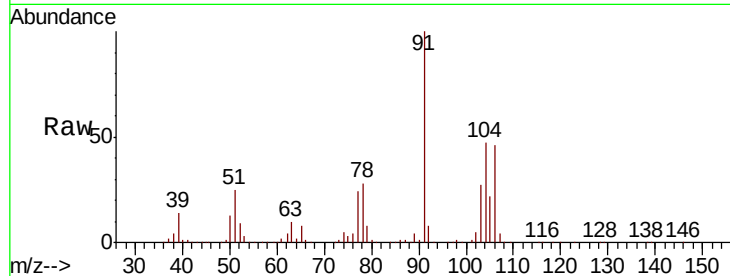




#69
o-Xylene
Concen: 51.672 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

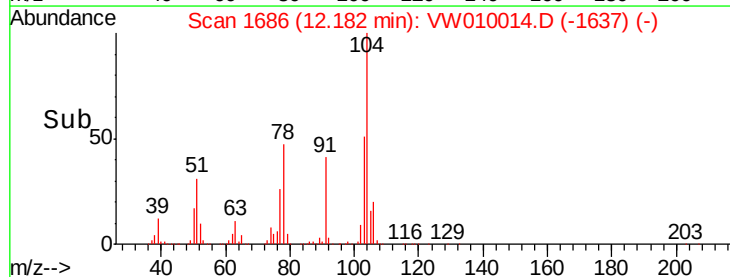
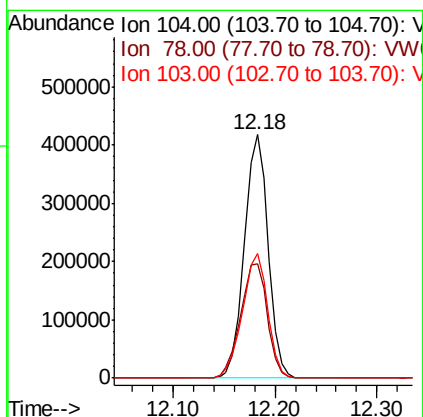
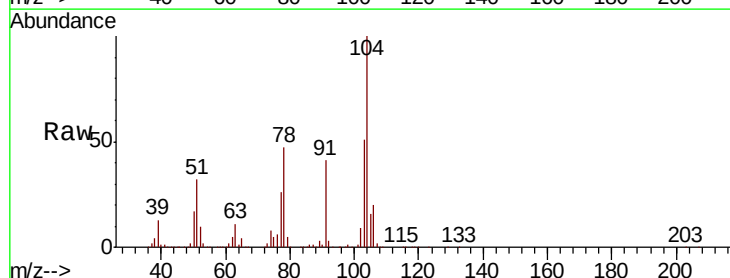
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

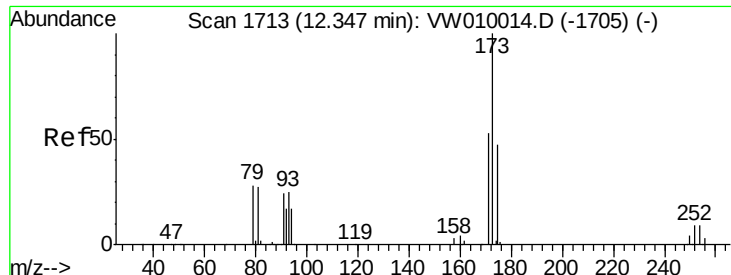
Tgt Ion:106 Resp: 380310
Ion Ratio Lower Upper
106 100
91 220.9 110.5 331.4



#70
Styrene
Concen: 53.259 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion:104 Resp: 675871
Ion Ratio Lower Upper
104 100
78 53.1 42.5 63.7
103 54.5 43.6 65.4

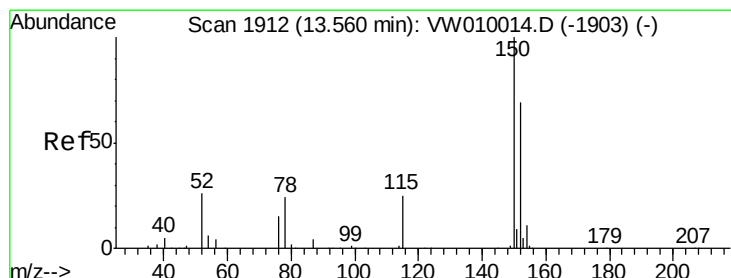
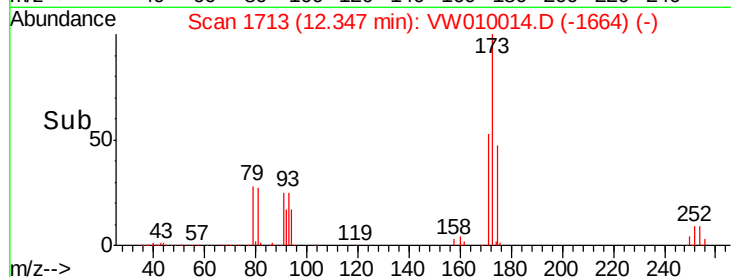
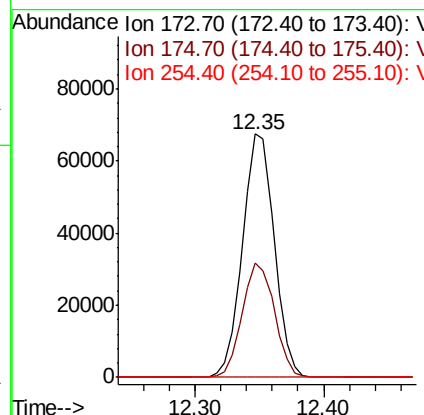
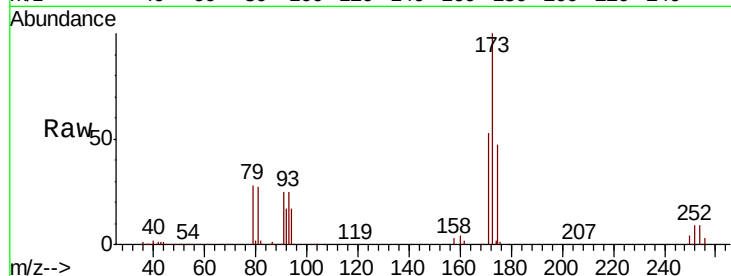




#71
Bromoform
Concen: 50.169 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

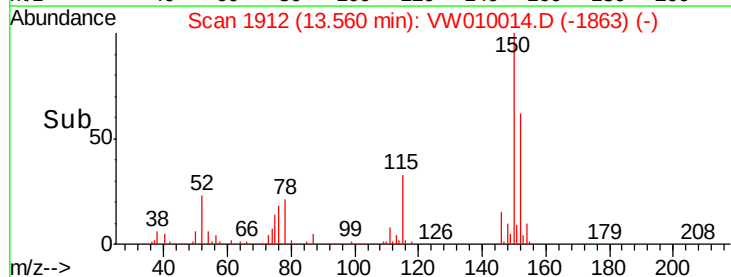
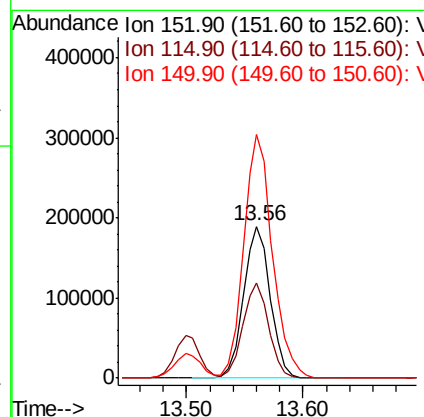
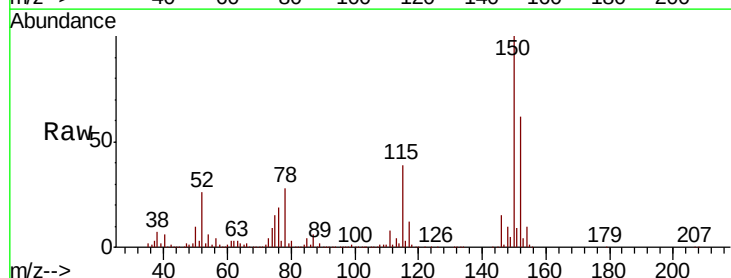
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

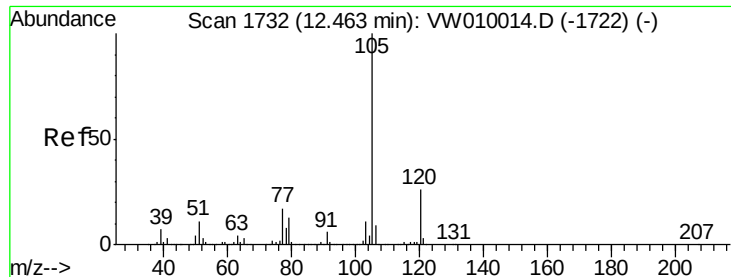
Tgt Ion:173 Resp: 114982
Ion Ratio Lower Upper
173 100
175 47.6 23.8 71.4
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion:152 Resp: 300380
Ion Ratio Lower Upper
152 100
115 60.8 30.4 91.2
150 173.5 0.0 347.0





#73

Isopropylbenzene

Concen: 51.450 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

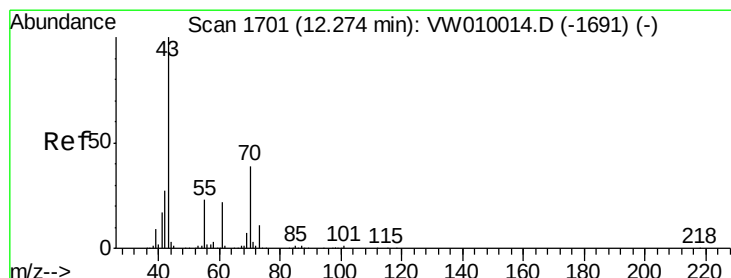
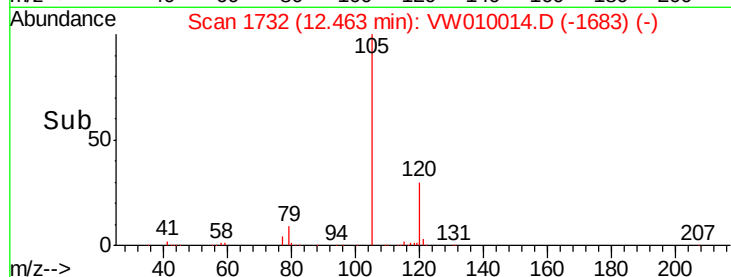
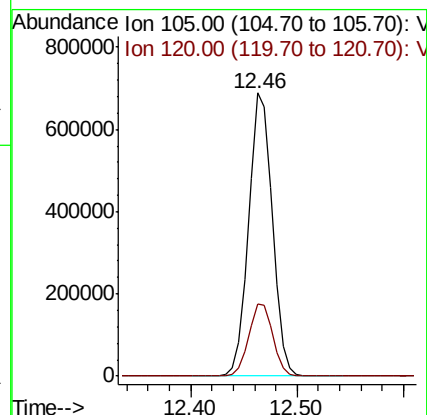
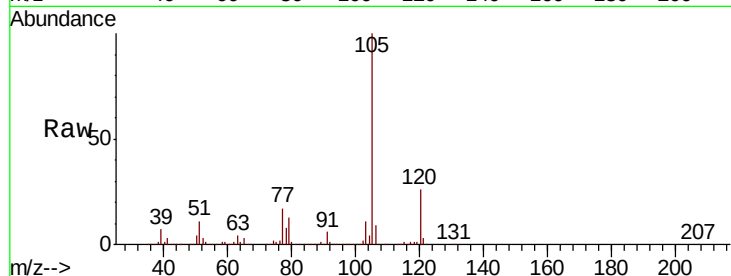
VSTDICCC050

Tgt Ion: 105 Resp: 1075612

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



#74

N-ethyl acetate

Concen: 50.901 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Tgt Ion: 43 Resp: 294691

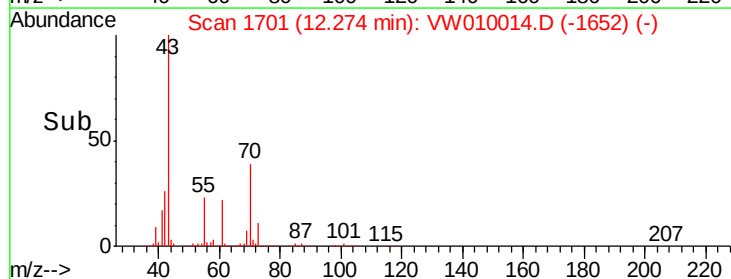
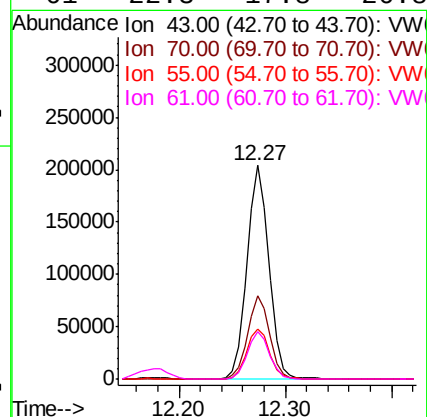
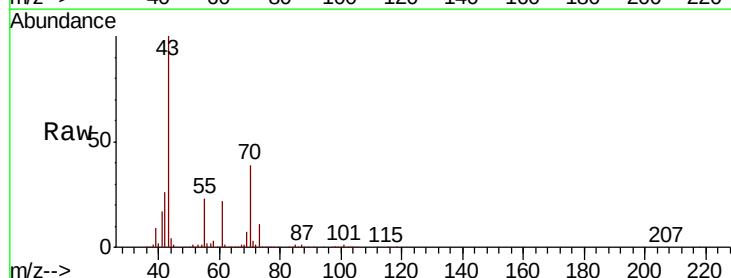
Ion Ratio Lower Upper

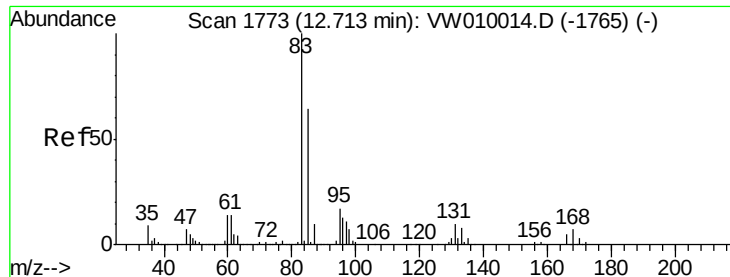
43 100

70 39.1 31.3 46.9

55 25.0 20.0 30.0

61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.573 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

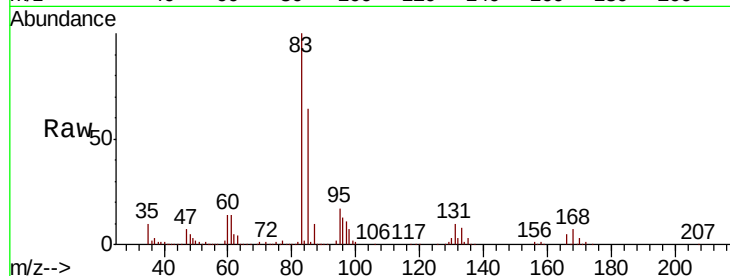
Tgt Ion: 83 Resp: 200622

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

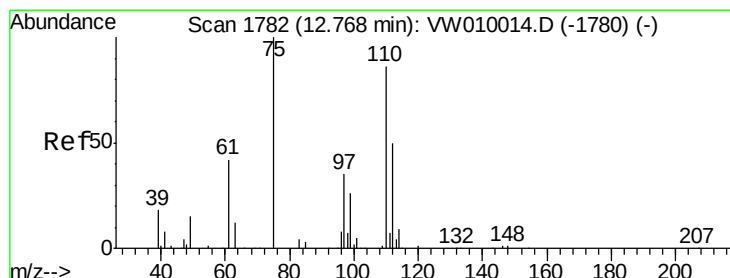
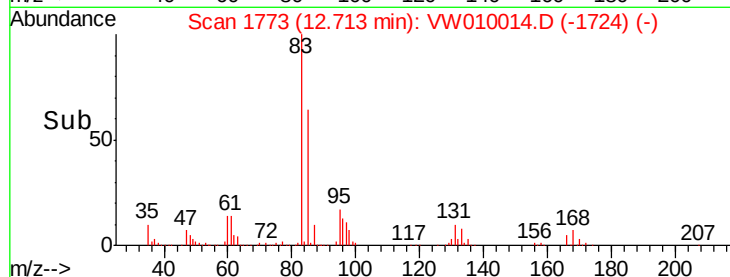
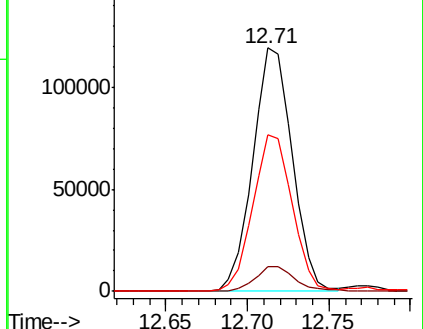
85 64.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 74.930 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010014.D

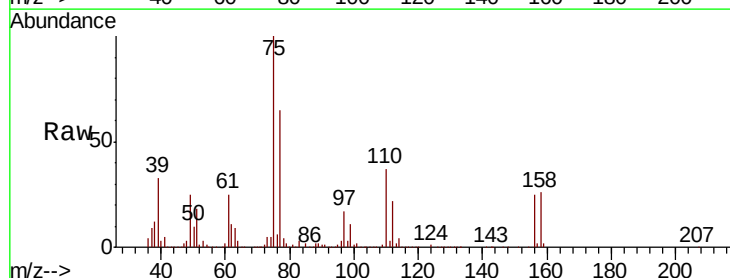
Acq: 17 Apr 2019 12:17

Tgt Ion: 75 Resp: 269820

Ion Ratio Lower Upper

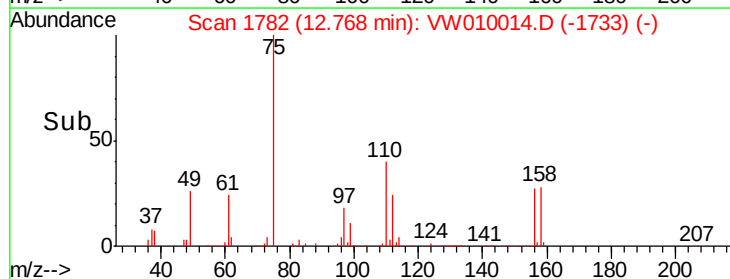
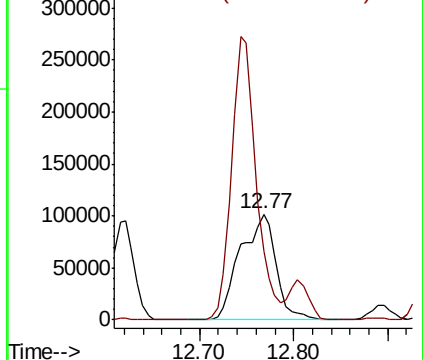
75 100

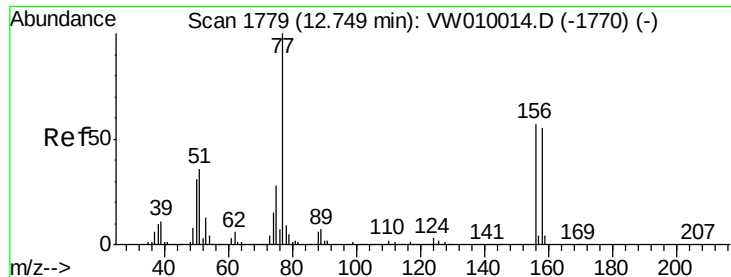
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.283 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

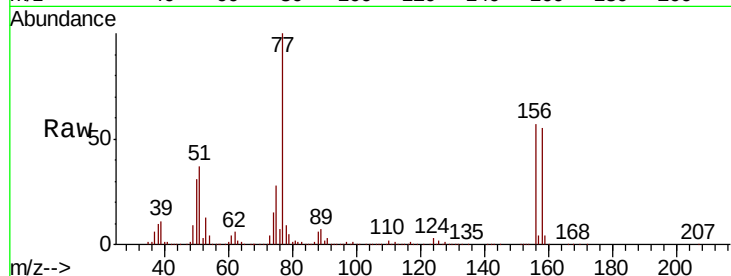
Tgt Ion:156 Resp: 241762

Ion Ratio Lower Upper

156 100

77 204.9 102.5 307.4

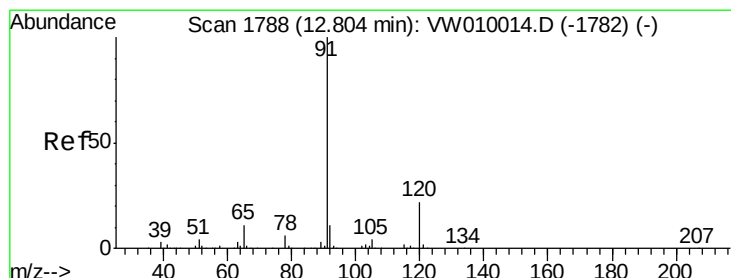
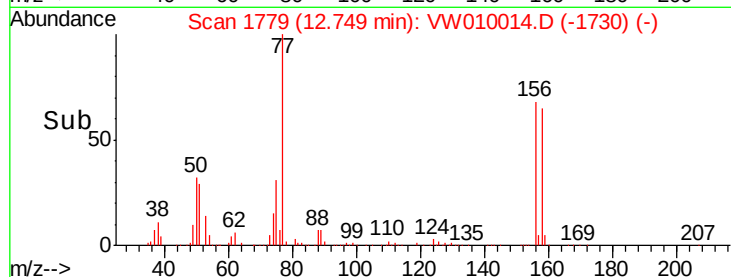
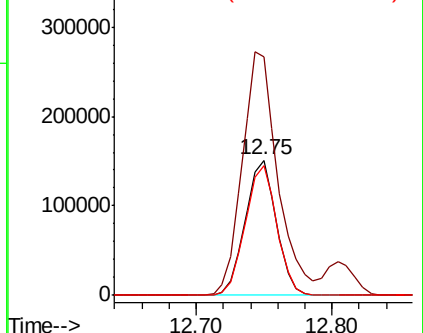
158 97.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.816 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010014.D

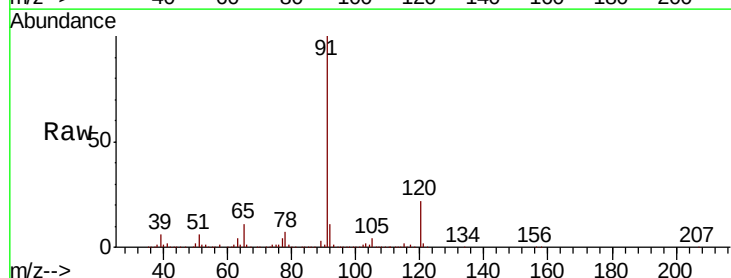
Acq: 17 Apr 2019 12:17

Tgt Ion: 91 Resp: 1342560

Ion Ratio Lower Upper

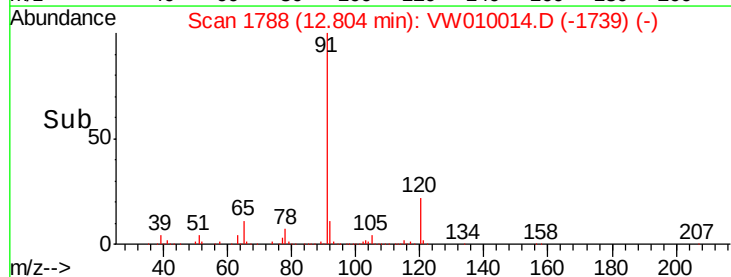
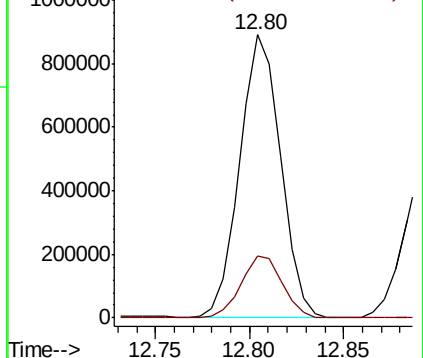
91 100

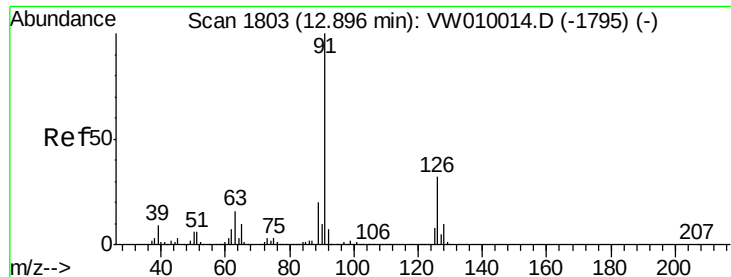
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.352 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

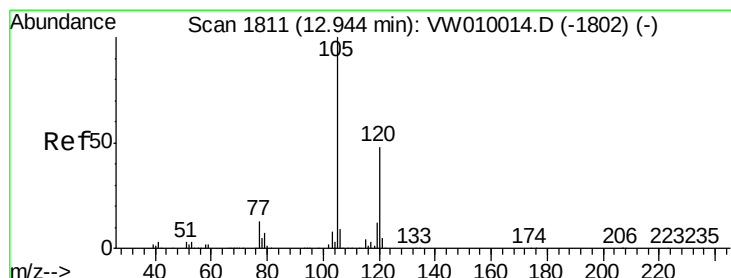
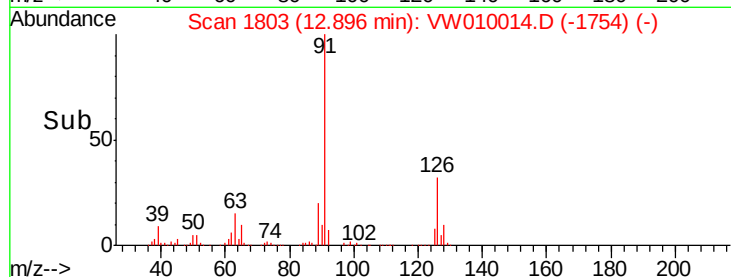
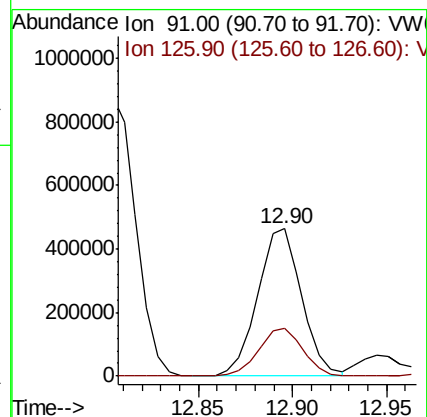
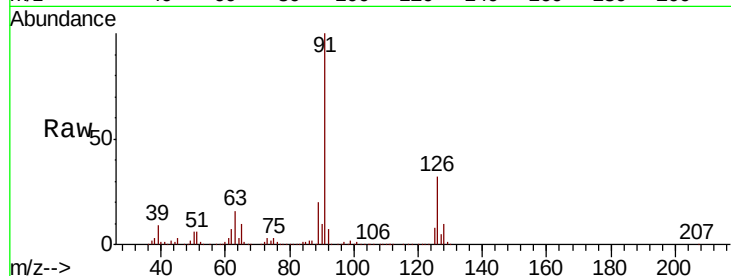
VSTDICCC050

Tgt Ion: 91 Resp: 750329

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 52.073 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010014.D

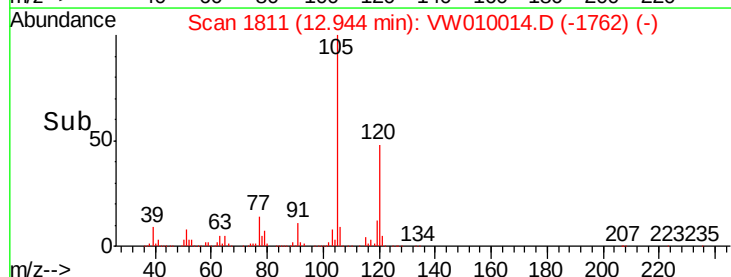
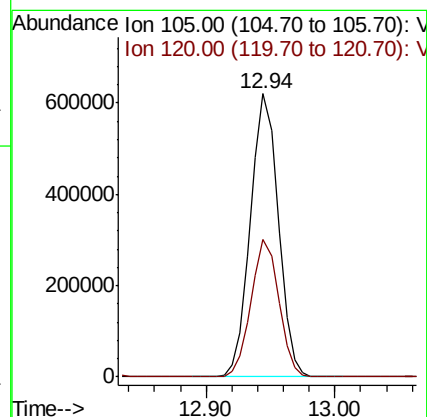
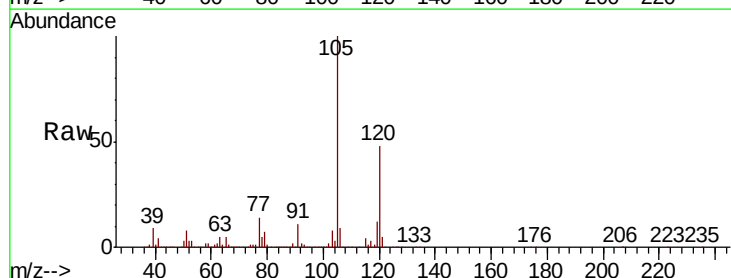
Acq: 17 Apr 2019 12:17

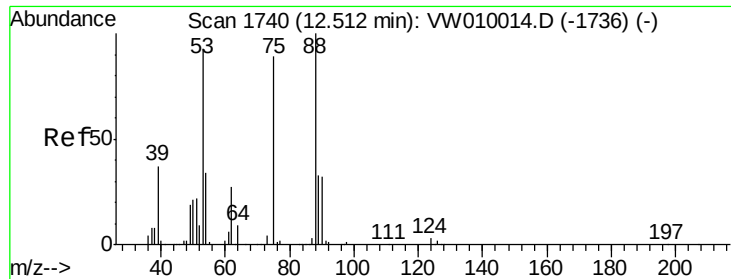
Tgt Ion: 105 Resp: 923029

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.812 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

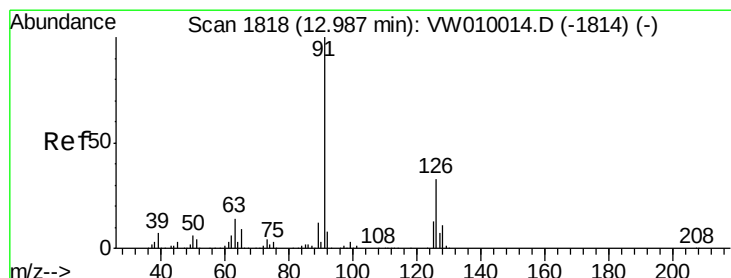
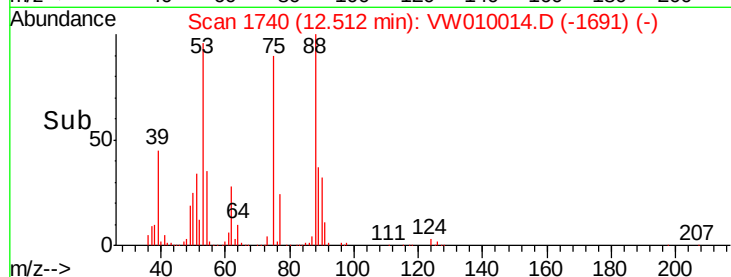
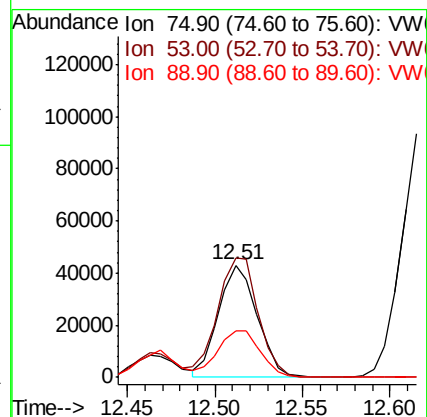
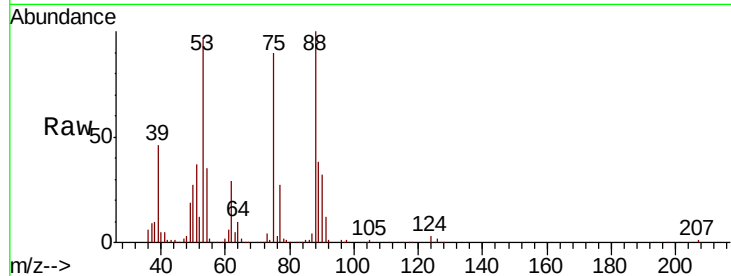
Tgt Ion: 75 Resp: 66059

Ion Ratio Lower Upper

75 100

53 112.3 89.8 134.8

89 45.7 36.6 54.8



#82

4-Chlorotoluene

Concen: 50.408 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW010014.D

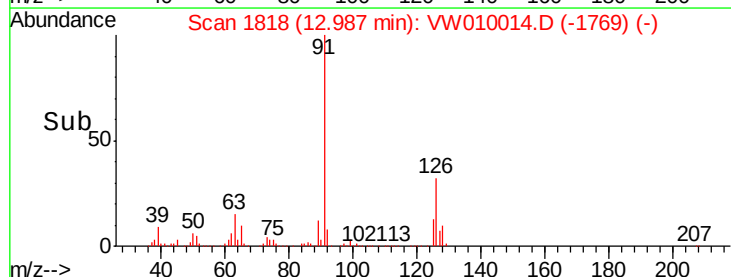
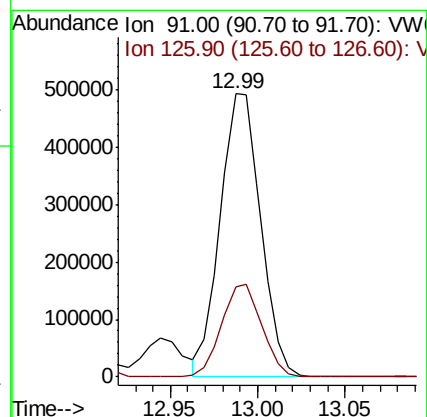
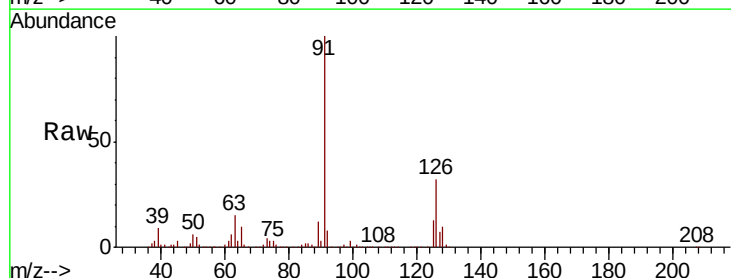
Acq: 17 Apr 2019 12:17

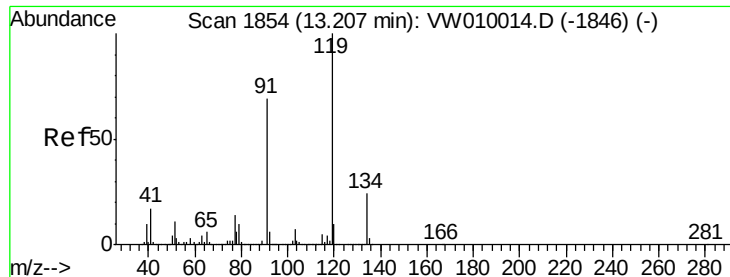
Tgt Ion: 91 Resp: 790568

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1

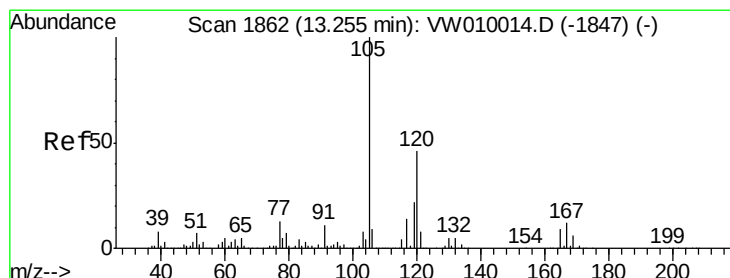
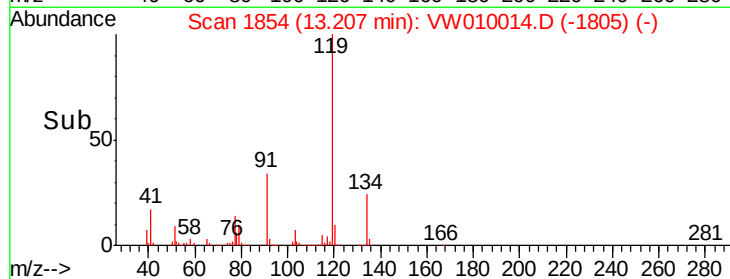
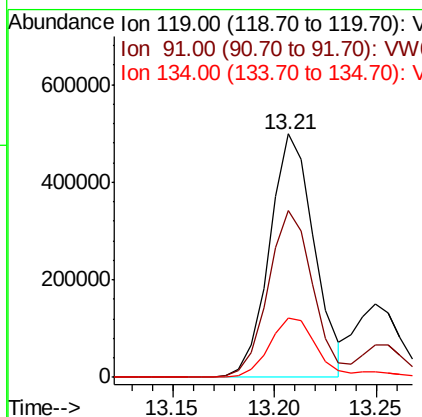
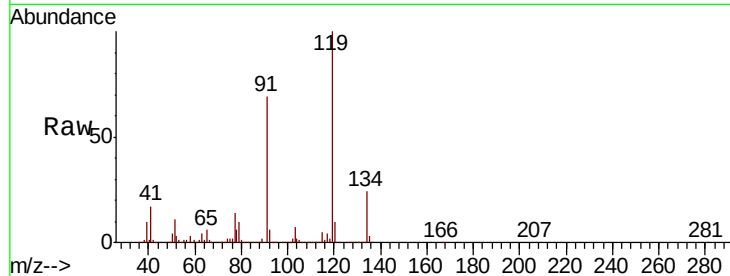




#83
 tert-Butylbenzene
 Concen: 52.002 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

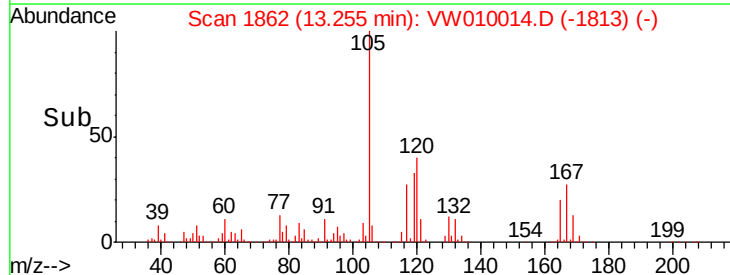
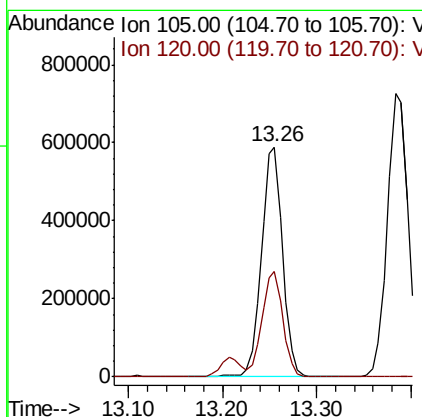
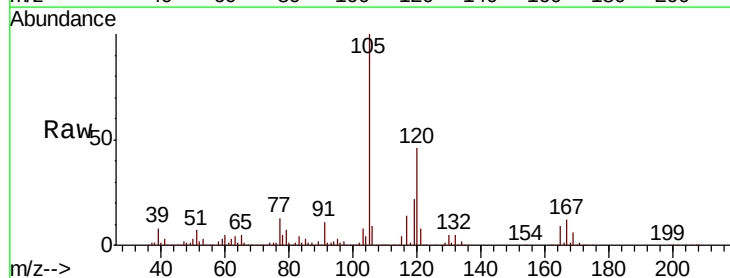
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

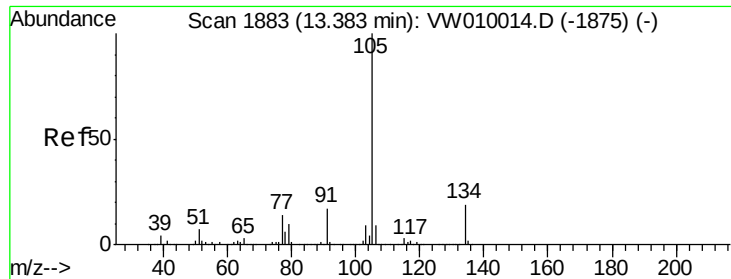
Tgt Ion:119 Resp: 763328
 Ion Ratio Lower Upper
 119 100
 91 69.6 34.8 104.4
 134 27.4 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.672 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion:105 Resp: 928623
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.7

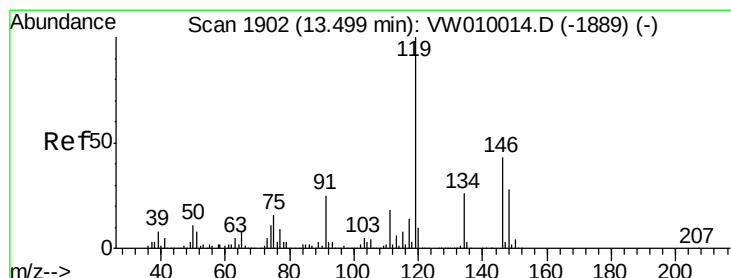
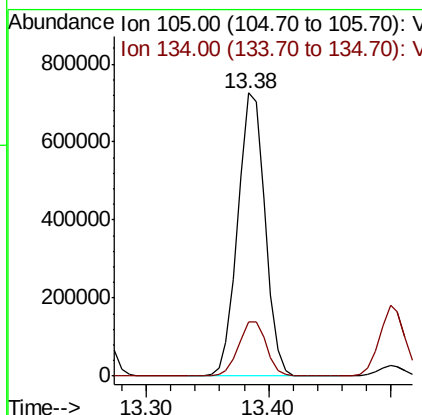
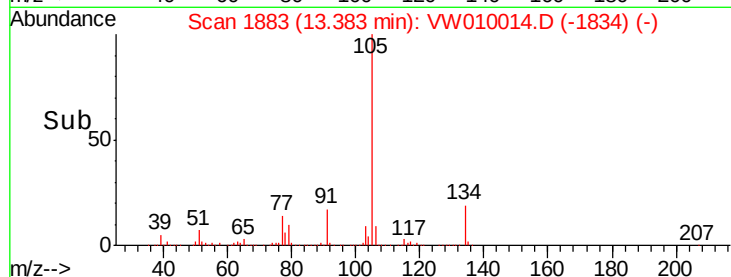
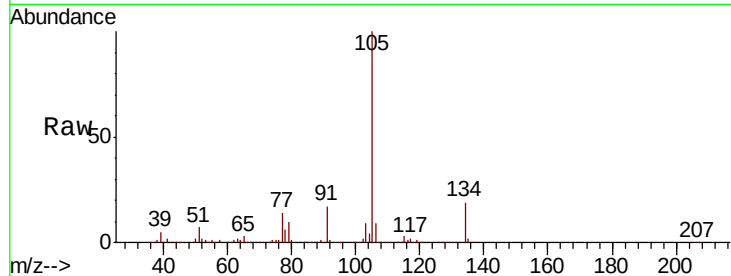




#85
 sec-Butylbenzene
 Concen: 50.851 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

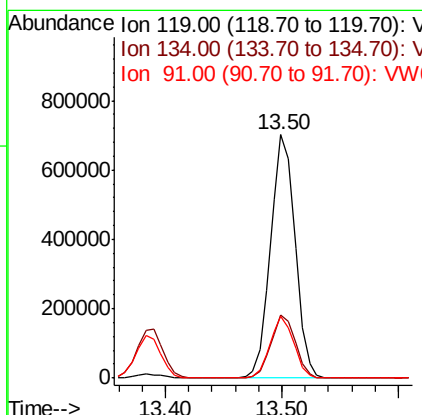
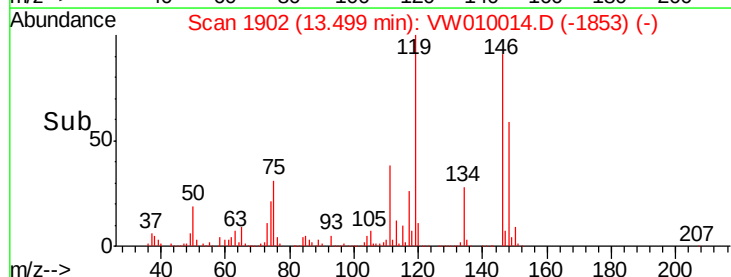
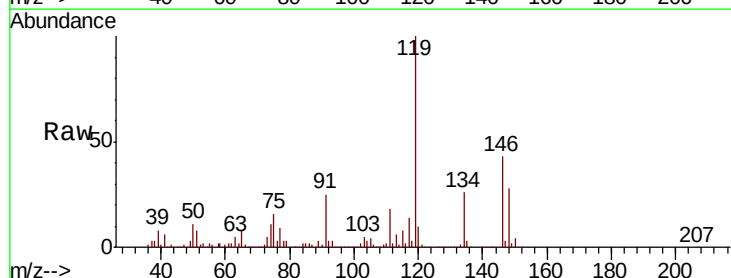
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

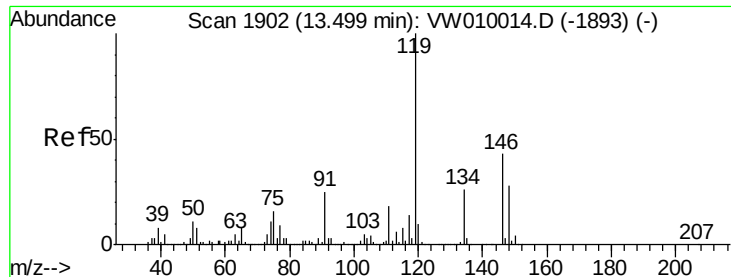
Tgt Ion:105 Resp: 1115470
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 52.584 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion:119 Resp: 1016682
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 49.407 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

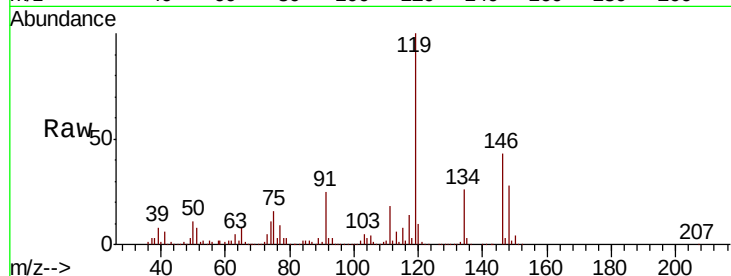
Tgt Ion:146 Resp: 480196

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

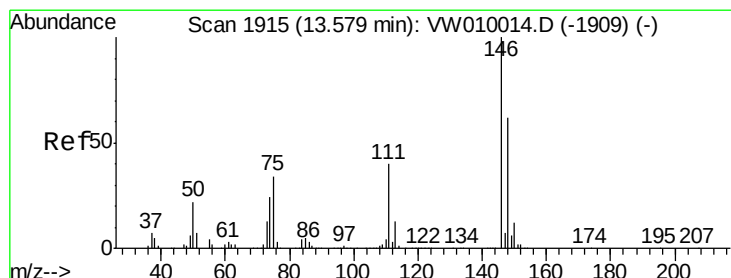
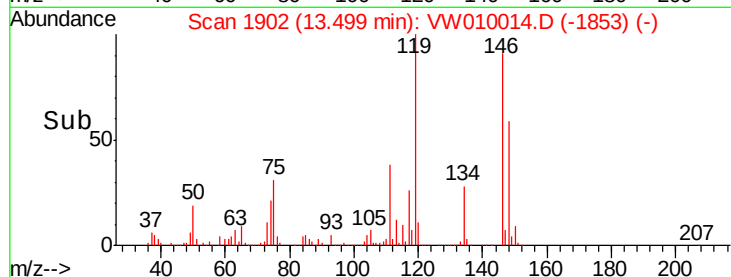
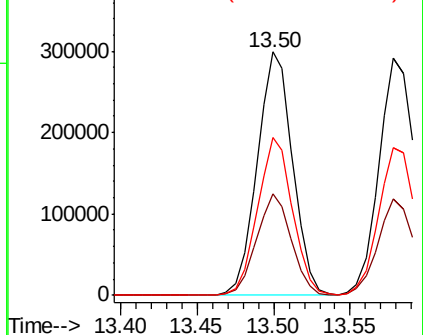
148 64.1 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.625 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

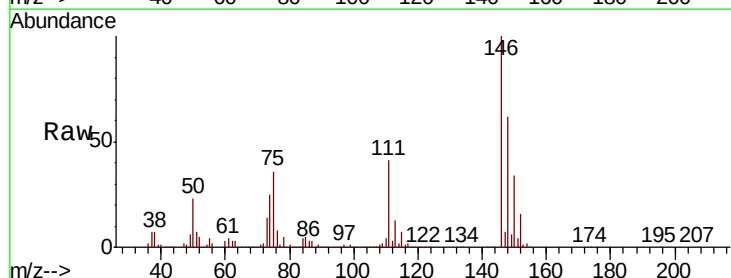
Tgt Ion:146 Resp: 471723

Ion Ratio Lower Upper

146 100

111 40.2 20.1 60.3

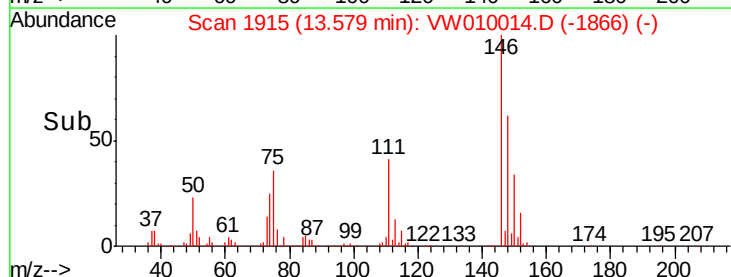
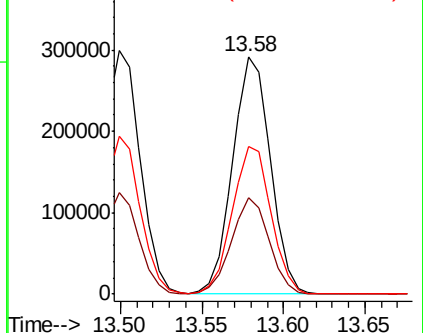
148 63.5 31.8 95.3

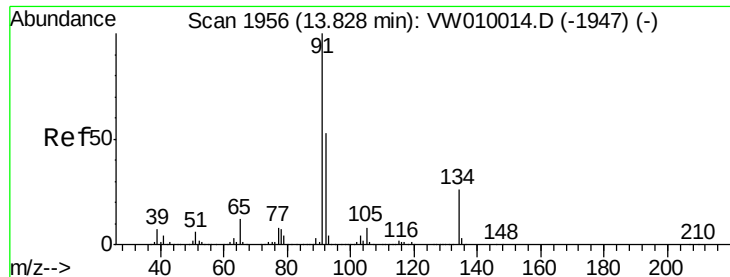


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.549 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

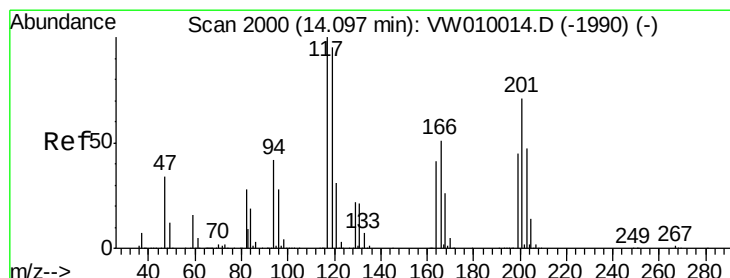
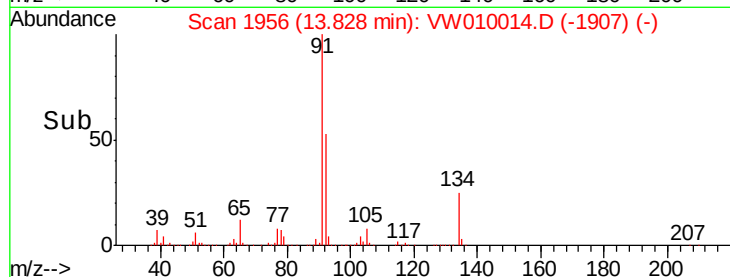
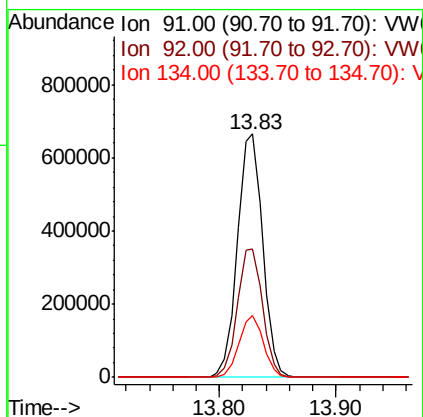
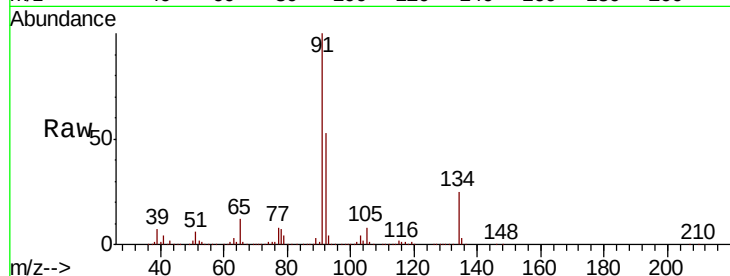
Tgt Ion: 91 Resp: 1006590

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

134 24.7 12.4 37.0



#90

Hexachloroethane

Concen: 50.279 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010014.D

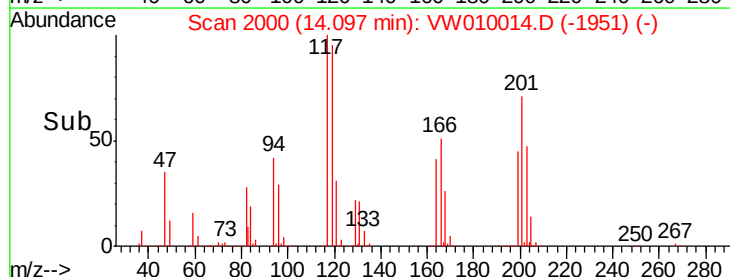
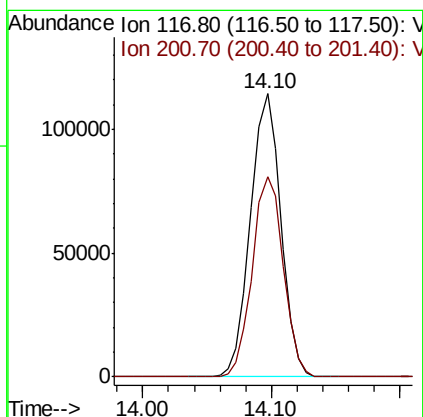
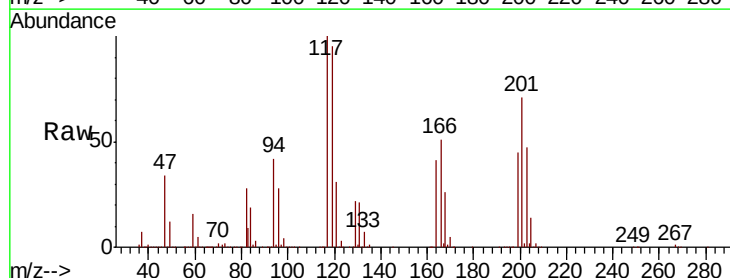
Acq: 17 Apr 2019 12:17

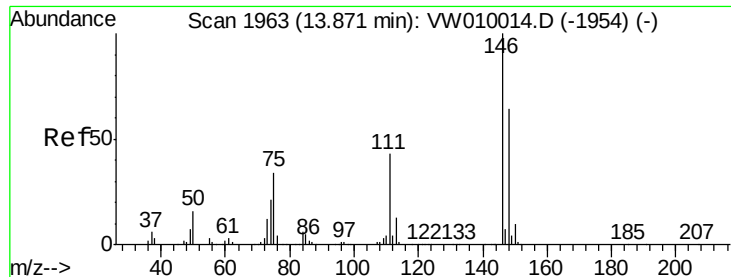
Tgt Ion: 117 Resp: 186193

Ion Ratio Lower Upper

117 100

201 72.2 36.1 108.3





#91

1,2-Dichlorobenzene

Concen: 49.222 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

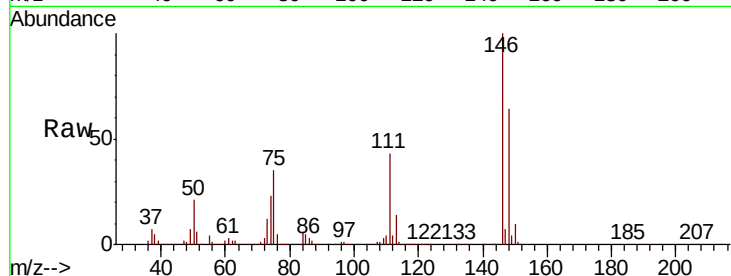
Tgt Ion:146 Resp: 428949

Ion Ratio Lower Upper

146 100

111 41.9 20.9 62.8

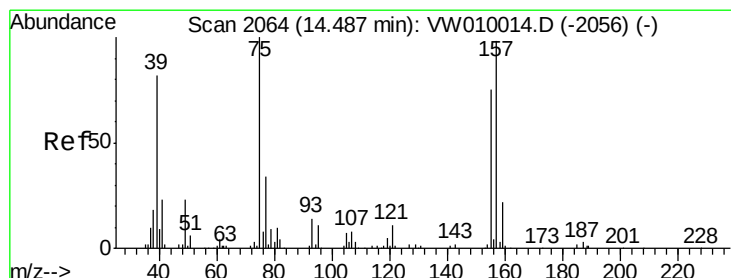
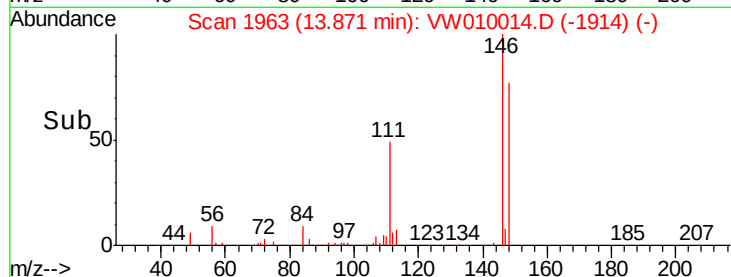
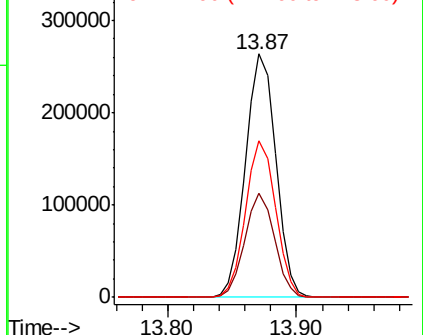
148 63.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.113 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

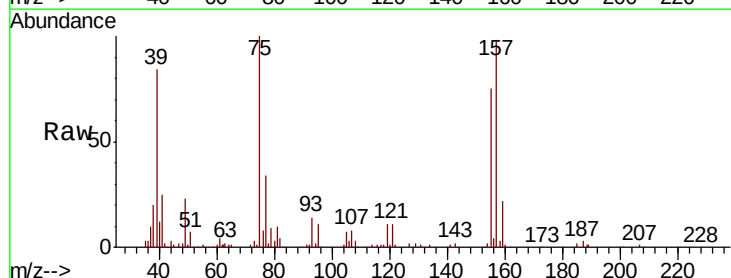
Tgt Ion: 75 Resp: 36302

Ion Ratio Lower Upper

75 100

155 74.3 37.1 111.5

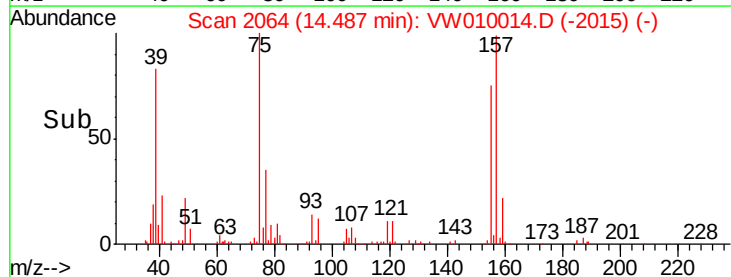
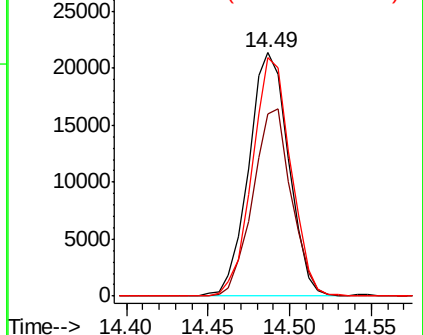
157 94.6 47.3 141.9

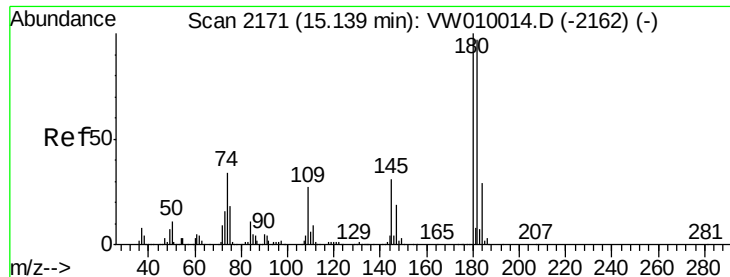


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

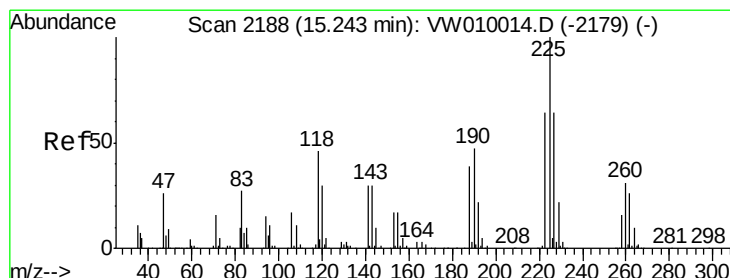
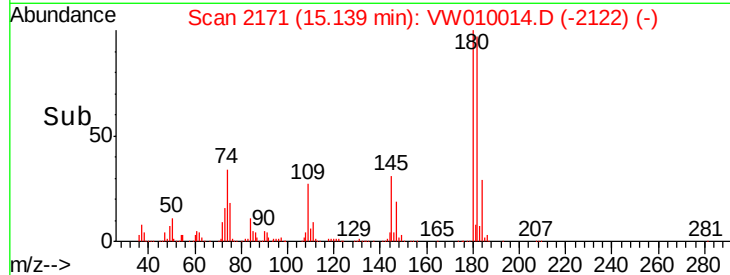
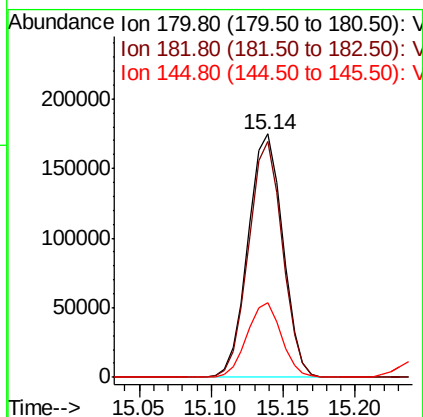
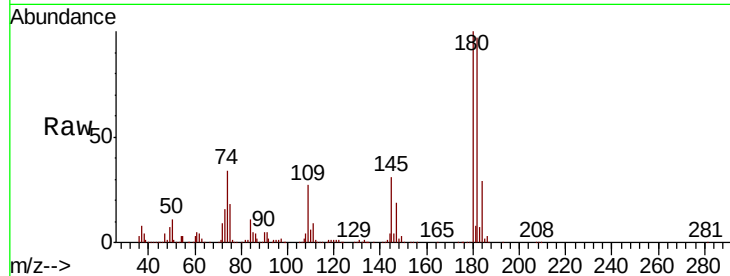




#93
 1,2,4-Trichlorobenzene
 Concen: 50.663 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

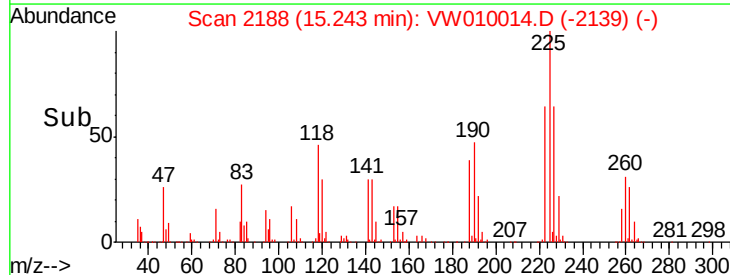
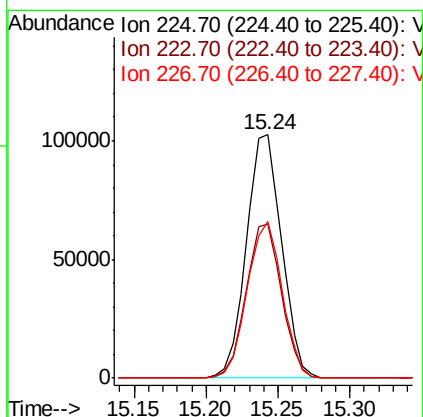
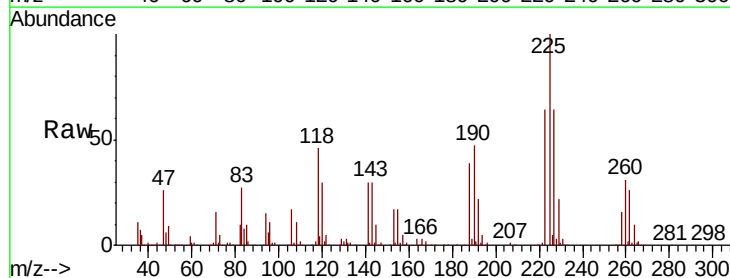
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

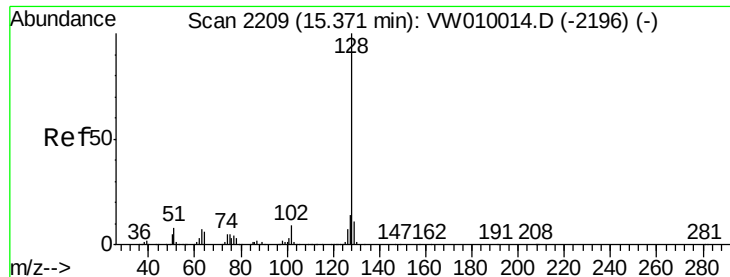
Tgt Ion:180 Resp: 291275
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.1 141.4
 145 30.4 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 49.603 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion:225 Resp: 173178
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.9 95.5
 227 63.5 31.8 95.3

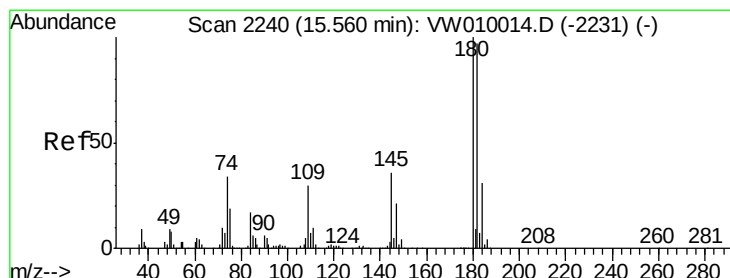
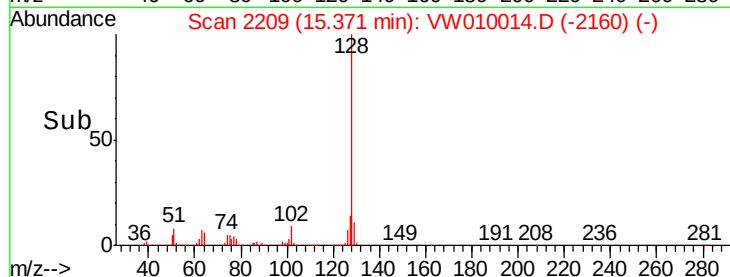
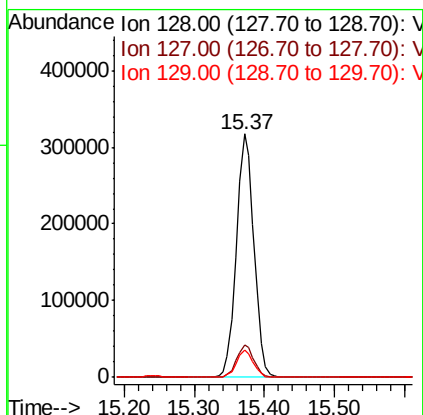
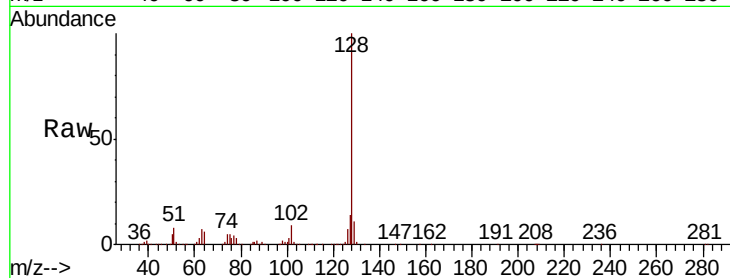




#95
Naphthalene
Concen: 53.315 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 550308
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.417 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion:180 Resp: 256467
Ion Ratio Lower Upper
180 100
182 95.5 47.8 143.3
145 32.8 16.4 49.2

