

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010015.D
 Acq On : 17 Apr 2019 12:44
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 18 01:47:33 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	444112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	708428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	656270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	327729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	566910	103.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.88%	
35) Dibromofluoromethane	7.88	113	469411	104.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.44%	
50) Toluene-d8	10.32	98	1842512	109.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.34%	
62) 4-Bromofluorobenzene	12.62	95	674665	109.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	219.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	352070	105.742	ug/l	99
3) Chloromethane	2.22	50	364995	107.784	ug/l	98
4) Vinyl Chloride	2.37	62	419099	106.471	ug/l	97
5) Bromomethane	2.77	94	277458	104.886	ug/l	99
6) Chloroethane	2.92	64	270525	105.184	ug/l	97
7) Trichlorofluoromethane	3.25	101	300543	110.431	ug/l	99
8) Diethyl Ether	3.67	74	226274	99.950	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	444038	99.544	ug/l	99
10) Methyl Iodide	4.27	142	656220	103.690	ug/l	99
11) Tert butyl alcohol	5.18	59	152507	489.954	ug/l	98
12) 1,1-Dichloroethene	4.03	96	455084	103.654	ug/l	99
13) Acrolein	3.88	56	156235	475.713	ug/l	96
14) Allyl chloride	4.66	41	812029	104.032	ug/l	100
15) Acrylonitrile	5.36	53	595564	511.192	ug/l	99
16) Acetone	4.12	43	598567	470.716	ug/l	99
17) Carbon Disulfide	4.37	76	1367512	113.549	ug/l	100
18) Methyl Acetate	4.67	43	277392	94.254	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	607929	106.606	ug/l	99
20) Methylene Chloride	4.91	84	480873	82.198	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	505078	106.236	ug/l	99
22) Diisopropyl ether	6.31	45	1621397	102.406	ug/l	97
23) Vinyl Acetate	6.25	43	5496004	551.415	ug/l	99
24) 1,1-Dichloroethane	6.21	63	943759	99.711	ug/l	99
25) 2-Butanone	7.16	43	893006	534.605	ug/l	97
26) 2,2-Dichloropropane	7.16	77	507447	96.905	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	546065	104.436	ug/l	99
28) Bromochloromethane	7.51	49	381580	98.650	ug/l	97
29) Tetrahydrofuran	7.52	42	571034	539.514	ug/l	98
30) Chloroform	7.67	83	933459	98.424	ug/l	99
31) Cyclohexane	7.95	56	885609	99.920	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	732476	98.380	ug/l	99
36) 1,1-Dichloropropene	8.08	75	752290	103.958	ug/l	99
37) Ethyl Acetate	7.25	43	381539	103.759	ug/l	100
38) Carbon Tetrachloride	8.06	117	717427	101.582	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	923516	113.411	ug/l	99
40) Benzene	8.32	78	2031546	102.674	ug/l	99
41) Methacrylonitrile	7.48	41	236058	112.637	ug/l	98
42) 1,2-Dichloroethane	8.40	62	675360	99.320	ug/l	100
43) Isopropyl Acetate	8.42	43	739473	107.316	ug/l	98
44) Trichloroethene	9.09	130	520925	103.656	ug/l	98
45) 1,2-Dichloropropane	9.37	63	523610	100.677	ug/l	100
46) Dibromomethane	9.46	93	275315	102.135	ug/l	100
47) Bromodichloromethane	9.64	83	718667	103.280	ug/l	99
48) Methyl methacrylate	9.43	41	357825	106.680	ug/l	98
49) 1,4-Dioxane	9.44	88	85147	2067.265	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1933953	535.869	ug/l	100
52) Toluene	10.38	92	1294064	104.992	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	743189	107.725	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	847203	107.545	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	379044	100.747	ug/l	98
56) Ethyl methacrylate	10.65	69	551695	117.953	ug/l	98
57) 1,3-Dichloropropane	10.93	76	689094	102.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1055563	469.526	ug/l	99
59) 2-Hexanone	10.97	43	1385732	551.588	ug/l	100
60) Dibromochloromethane	11.13	129	462978	106.468	ug/l	100
61) 1,2-Dibromoethane	11.23	107	368929	103.081	ug/l	97
64) Tetrachloroethene	10.86	164	440241	103.336	ug/l	99
65) Chlorobenzene	11.66	112	1342381	99.938	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	492221	102.473	ug/l	99
67) Ethyl Benzene	11.73	91	2547792	106.313	ug/l	99
68) m/p-Xylenes	11.84	106	1882540	210.146	ug/l	100
69) o-Xylene	12.16	106	883185	108.276	ug/l	98
70) Styrene	12.18	104	1558022	110.782	ug/l	99
71) Bromoform	12.35	173	264906	104.295	ug/l #	99
73) Isopropylbenzene	12.47	105	2470265	108.301	ug/l	100
74) N-amyl acetate	12.27	43	712548	112.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	459050	101.867	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	625676	159.253	ug/l #	100
77) Bromobenzene	12.75	156	546064	104.095	ug/l	100
78) n-propylbenzene	12.80	91	3002733	106.219	ug/l	100
79) 2-Chlorotoluene	12.90	91	1694565	104.227	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2076168	107.354	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	160673	115.503	ug/l	98
82) 4-Chlorotoluene	12.99	91	1759710	102.839	ug/l	100
83) tert-Butylbenzene	13.21	119	1733716	108.254	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2073946	105.772	ug/l	100
85) sec-Butylbenzene	13.38	105	2508564	104.815	ug/l	100
86) p-Isopropyltoluene	13.50	119	2271021	107.658	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1057553	99.730	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1043143	98.553	ug/l	99
89) n-Butylbenzene	13.83	91	2269678	108.601	ug/l	99
90) Hexachloroethane	14.10	117	421029	104.207	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	943063	99.186	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	81660	101.259	ug/l	97

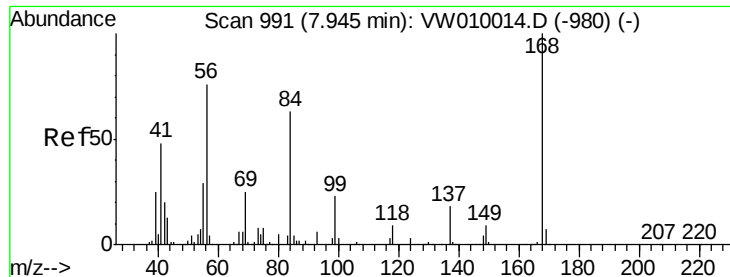
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	658319	104.950	ug/l	100
94) Hexachlorobutadiene	15.24	225	386946	101.584	ug/l	99
95) Naphthalene	15.37	128	1302455	115.654	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	570242	104.783	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

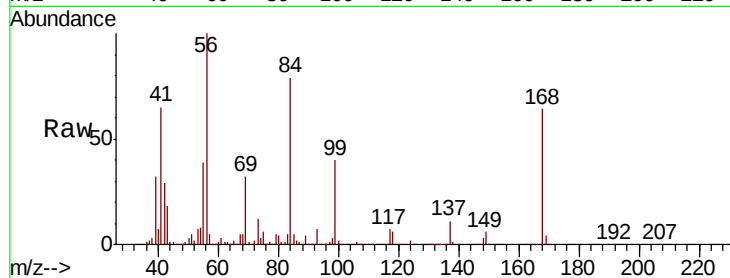
VSTDIC100

Tgt Ion:168 Resp: 444112

Ion Ratio Lower Upper

168 100

99 61.7 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

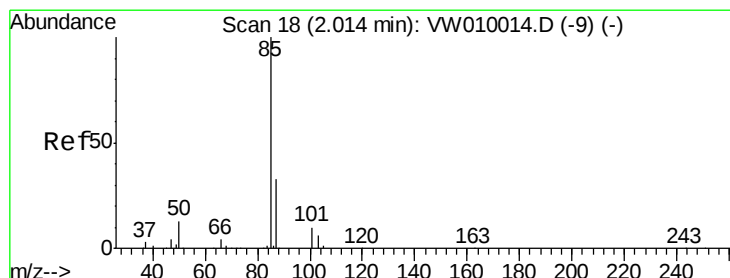
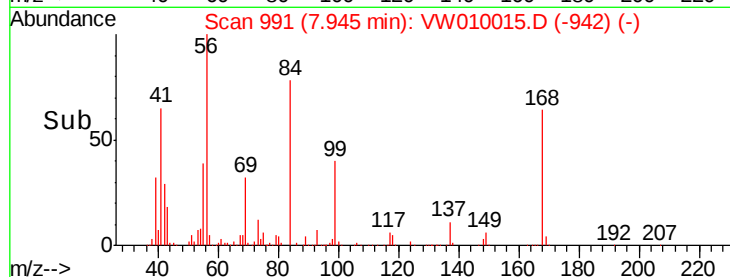
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 105.742 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010015.D

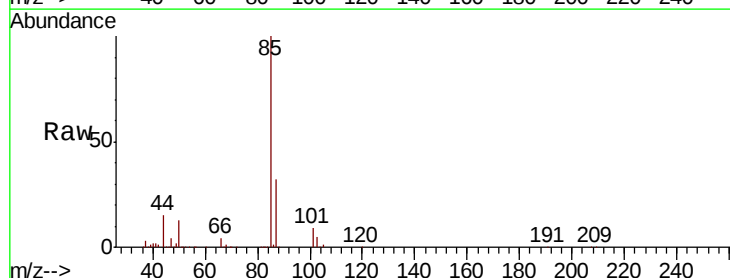
Acq: 17 Apr 2019 12:44

Tgt Ion: 85 Resp: 352070

Ion Ratio Lower Upper

85 100

87 32.0 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

100000

80000

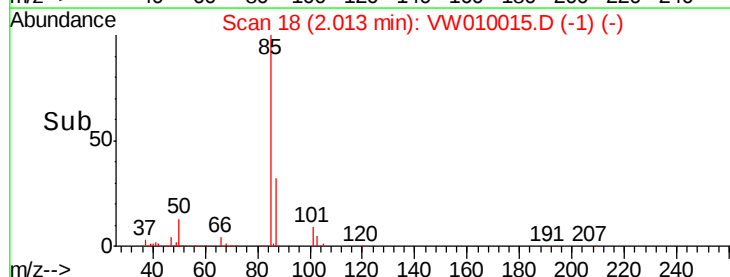
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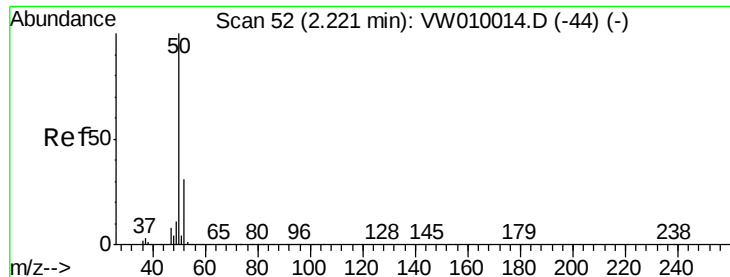
40000

20000

0

Time--> 1.80 2.00 2.20





#3

Chloromethane

Concen: 107.784 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

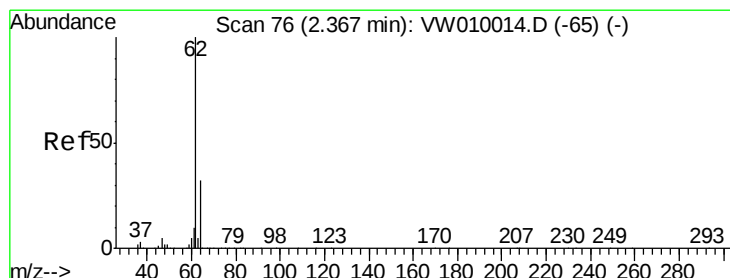
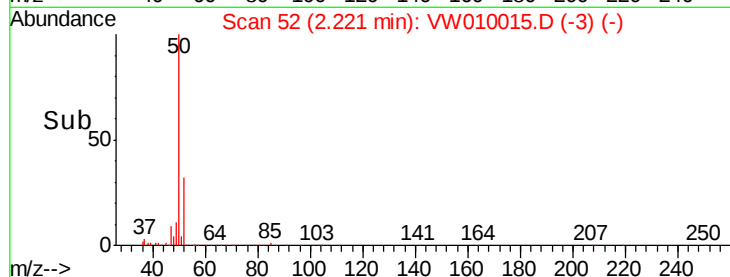
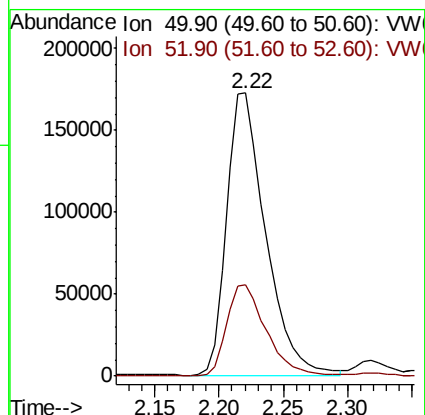
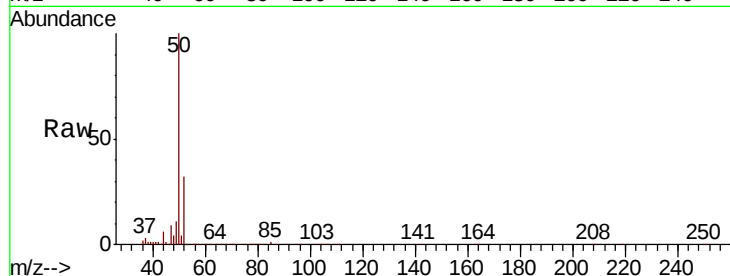
VSTDIC100

Tgt Ion: 50 Resp: 364995

Ion Ratio Lower Upper

50 100

52 32.3 25.0 37.6



#4

Vinyl Chloride

Concen: 106.471 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010015.D

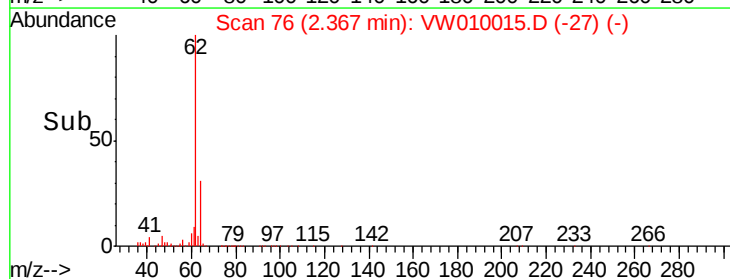
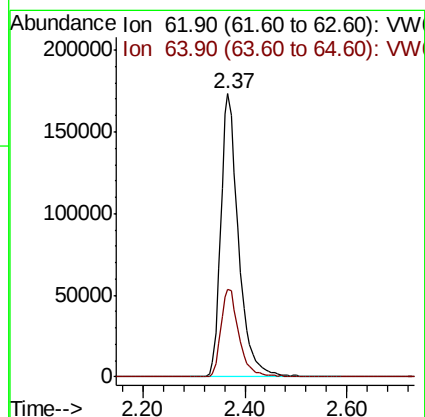
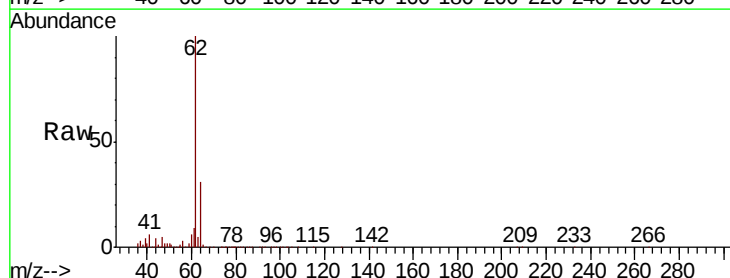
Acq: 17 Apr 2019 12:44

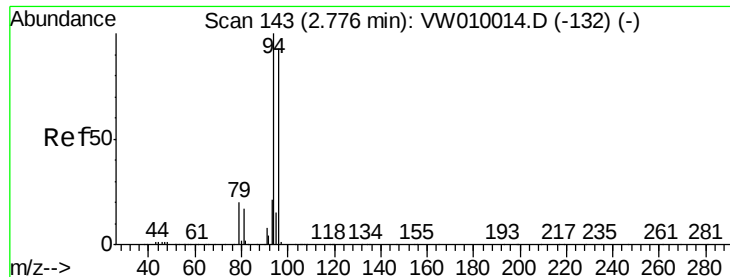
Tgt Ion: 62 Resp: 419099

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 104.886 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

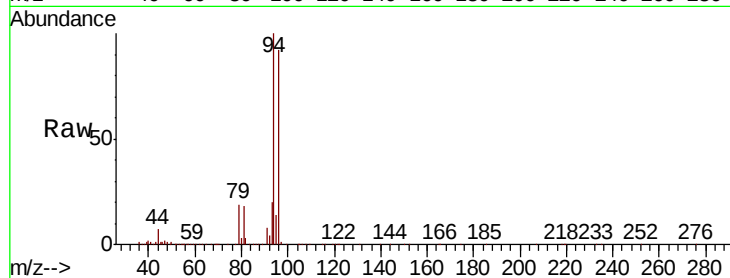
VSTDIC100

Tgt Ion: 94 Resp: 277458

Ion Ratio Lower Upper

94 100

96 91.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

120000

100000

80000

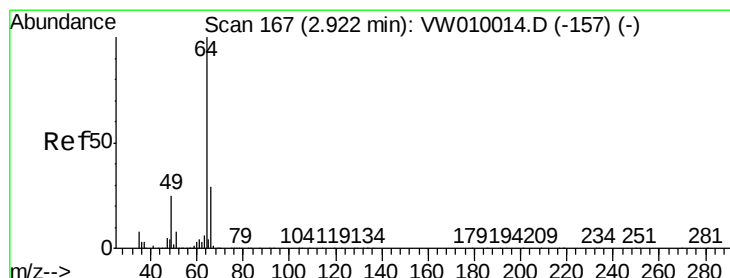
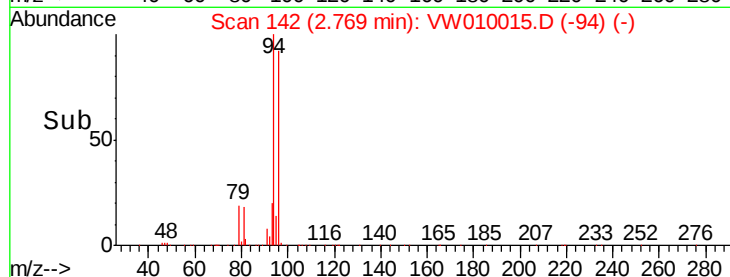
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 105.184 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010015.D

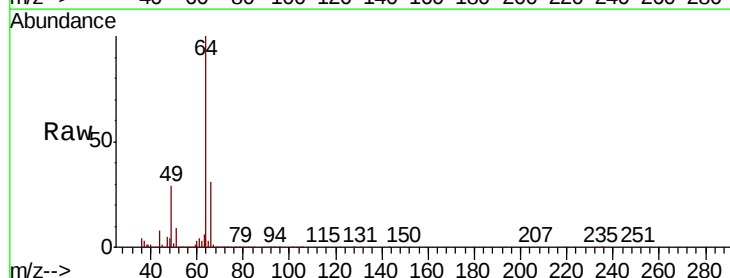
Acq: 17 Apr 2019 12:44

Tgt Ion: 64 Resp: 270525

Ion Ratio Lower Upper

64 100

66 30.6 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

100000

80000

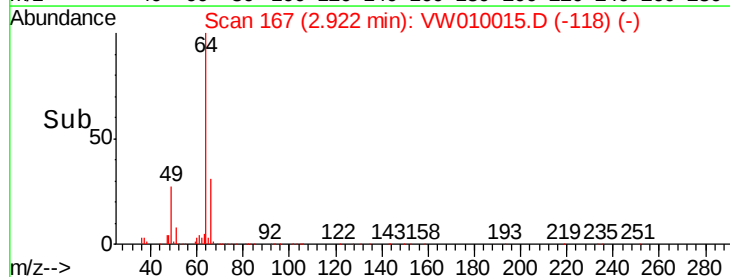
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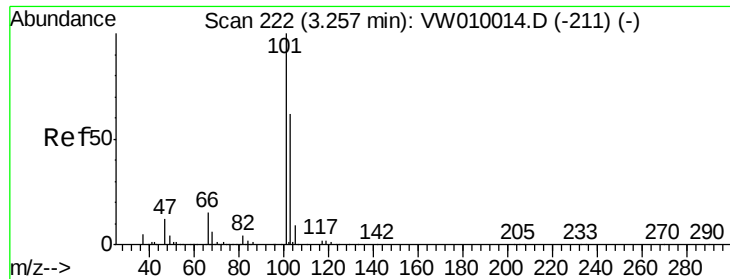
40000

20000

0

Time-->



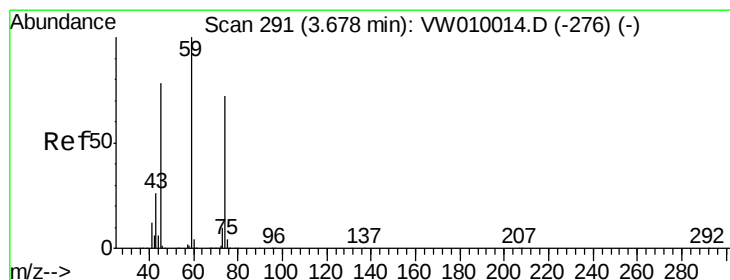
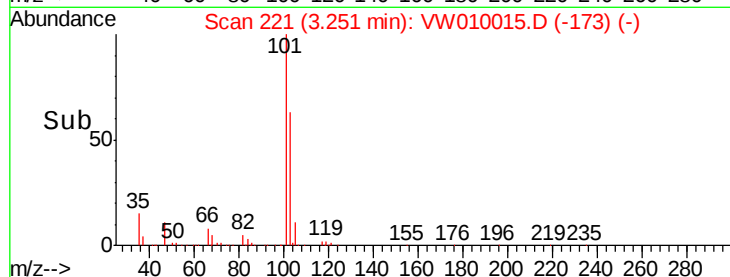
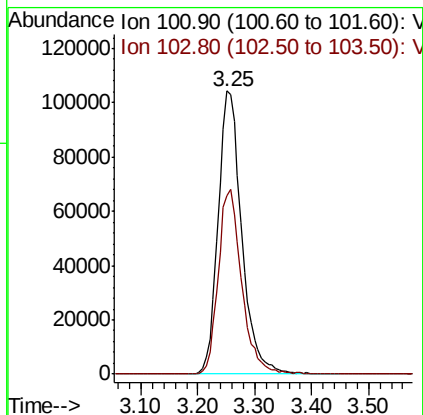
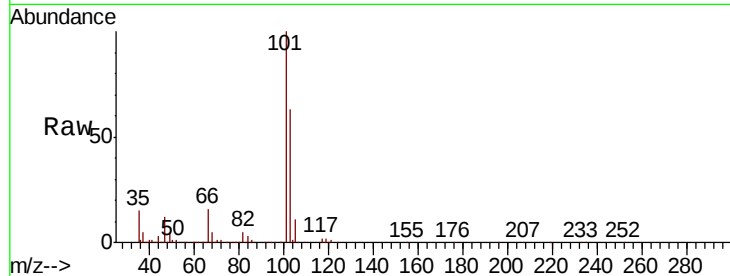


#7

Trichlorofluoromethane
 Concen: 110.431 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

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 ClientSampleId :
 VSTDIC100

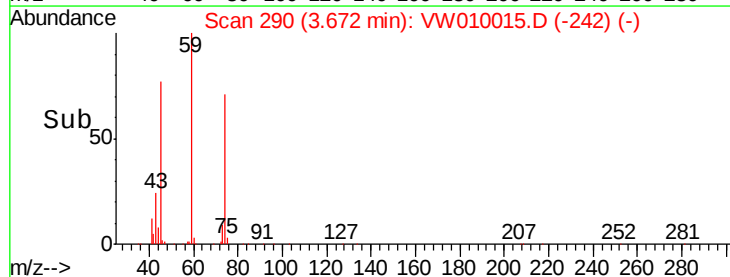
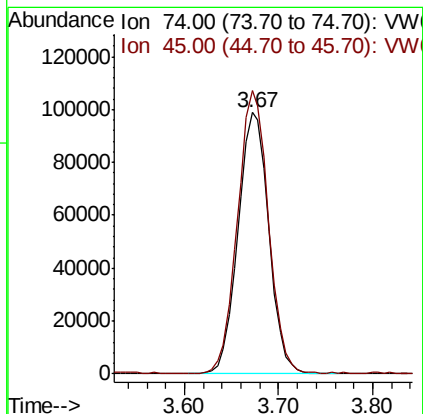
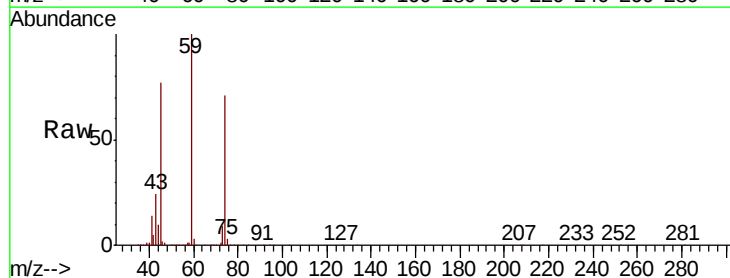
Tgt Ion: 101 Resp: 300543
 Ion Ratio Lower Upper
 101 100
 103 63.0 49.8 74.6

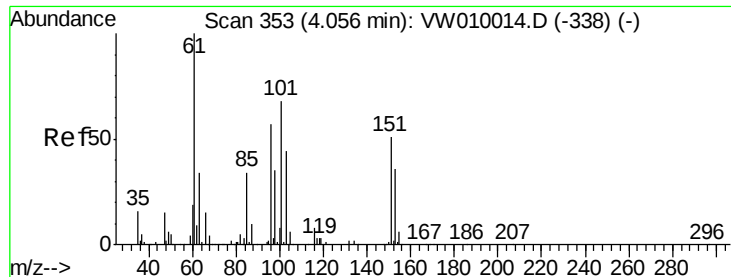


#8

Diethyl Ether
 Concen: 99.950 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion: 74 Resp: 226274
 Ion Ratio Lower Upper
 74 100
 45 107.9 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.544 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

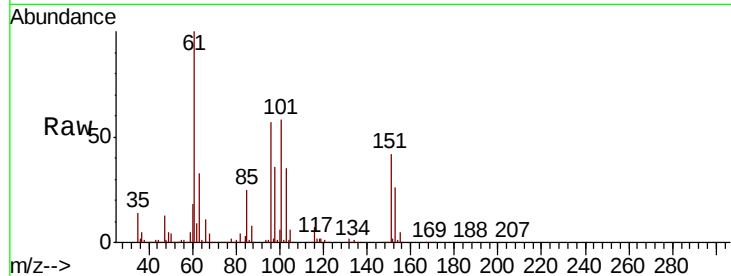
Tgt Ion:101 Resp: 444038

Ion Ratio Lower Upper

101 100

85 45.7 36.3 54.5

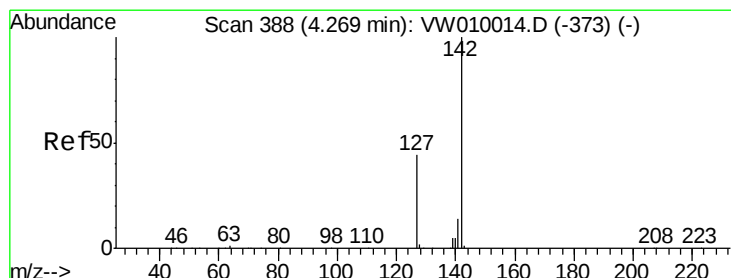
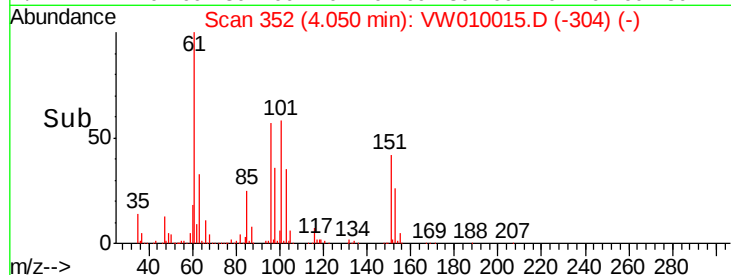
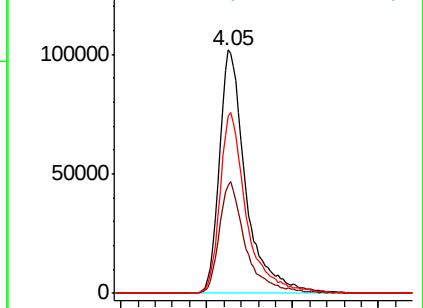
151 74.0 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 103.690 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

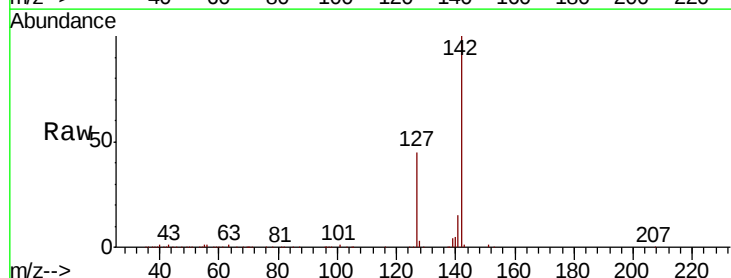
Tgt Ion:142 Resp: 656220

Ion Ratio Lower Upper

142 100

127 46.7 38.1 57.1

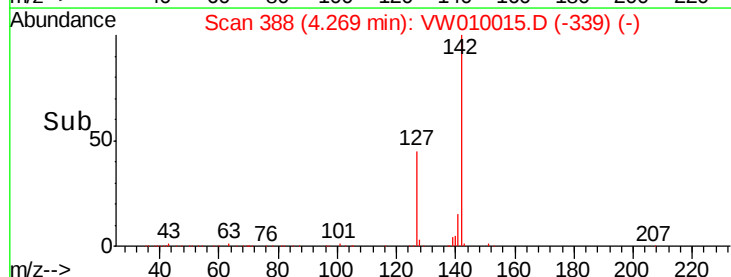
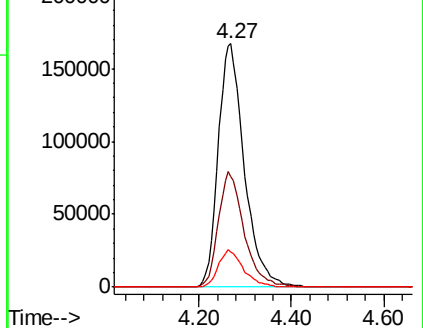
141 14.8 12.2 18.2

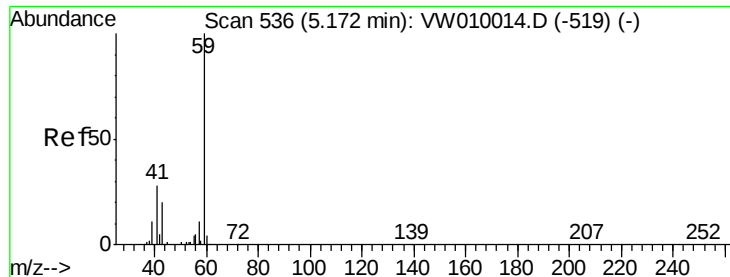


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

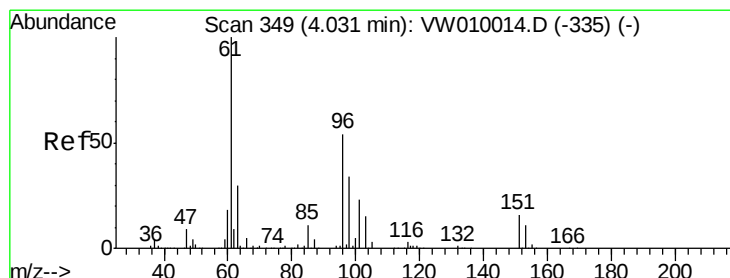
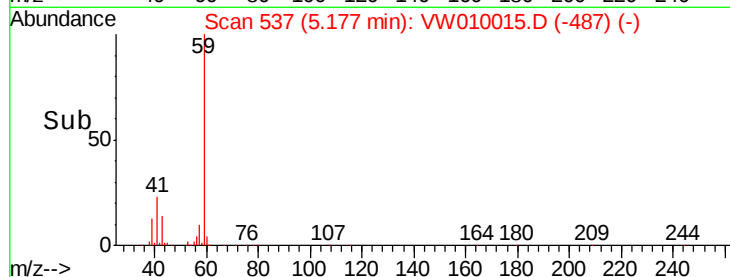
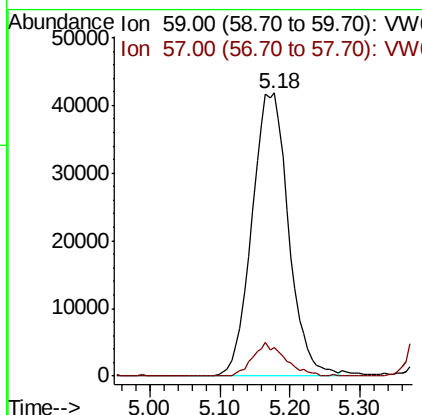
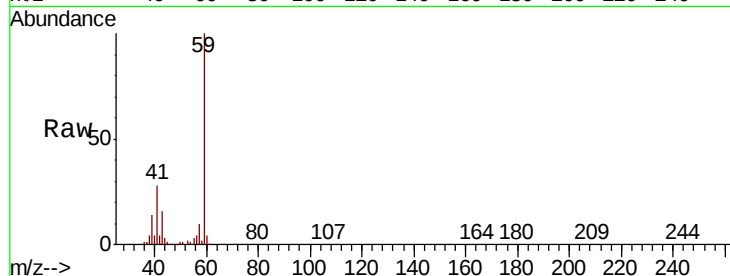




#11
Tert butyl alcohol
Concen: 489.954 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

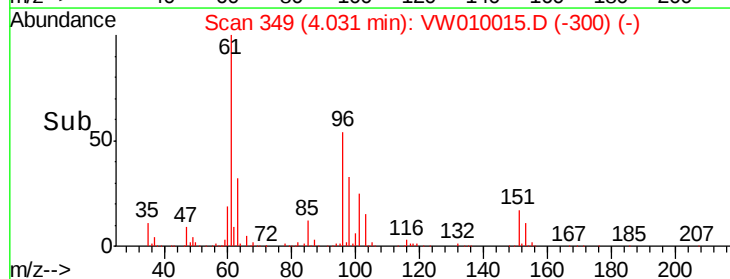
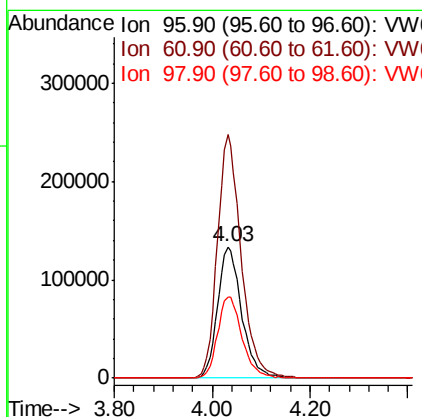
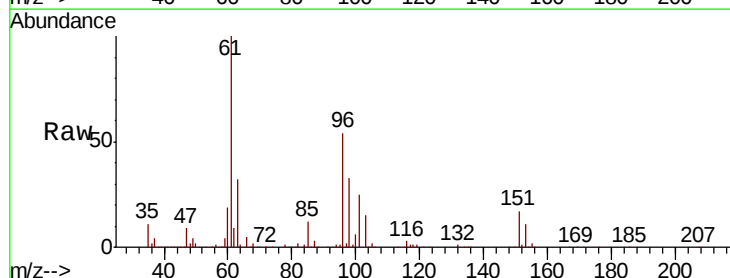
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

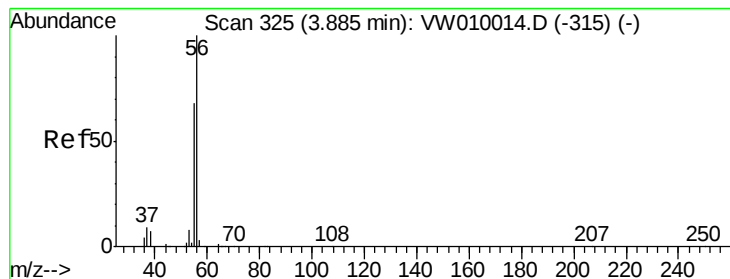
Tgt Ion: 59 Resp: 152507
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.4



#12
1,1-Dichloroethene
Concen: 103.654 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 96 Resp: 455084
Ion Ratio Lower Upper
96 100
61 185.5 147.4 221.2
98 61.9 49.7 74.5





#13

Acrolein

Concen: 475.713 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

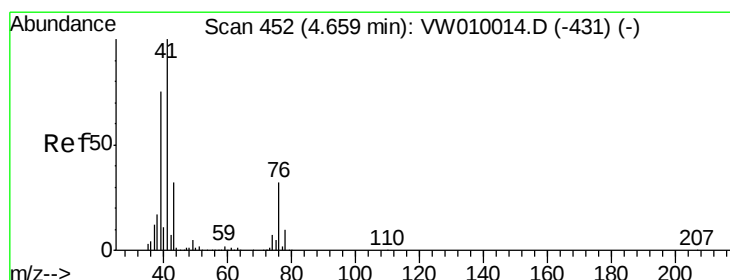
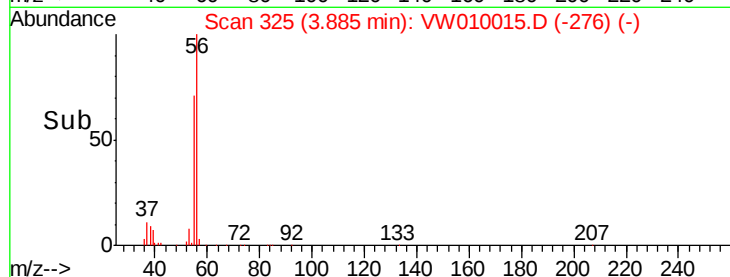
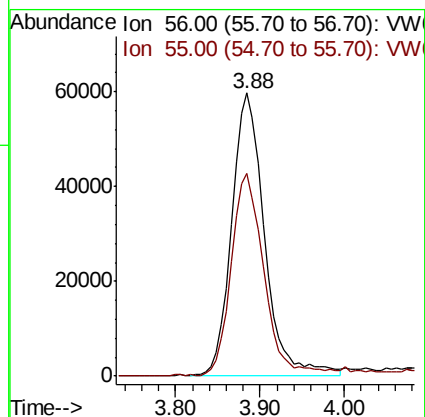
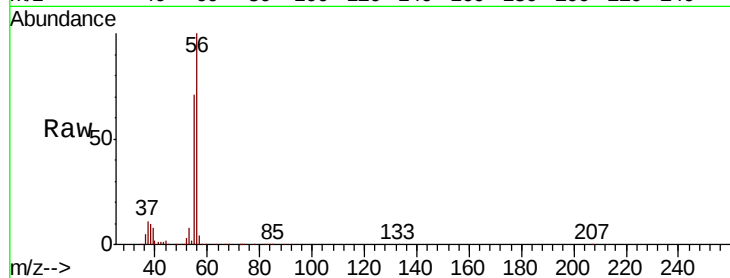
VSTDIC100

Tgt Ion: 56 Resp: 156235

Ion Ratio Lower Upper

56 100

55 70.9 54.2 81.2



#14

Allyl chloride

Concen: 104.032 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

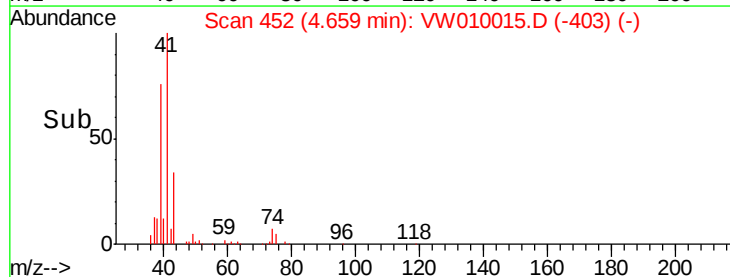
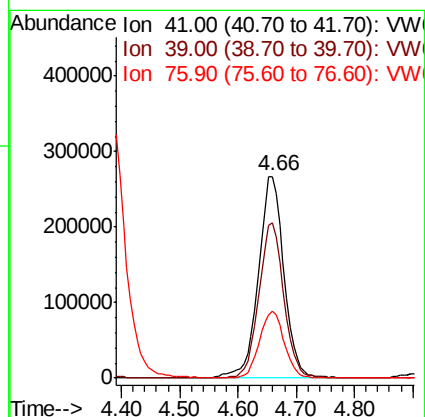
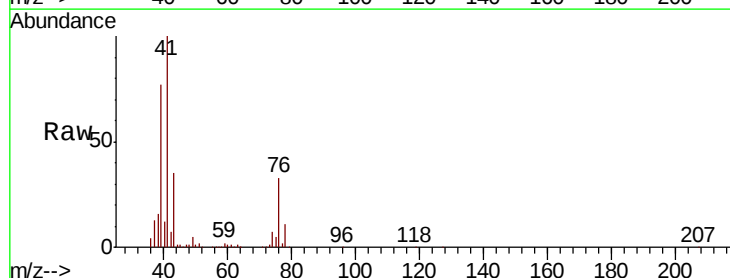
Tgt Ion: 41 Resp: 812029

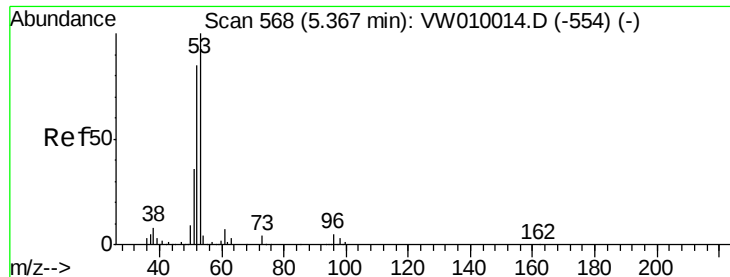
Ion Ratio Lower Upper

41 100

39 75.4 60.2 90.4

76 32.0 25.0 37.6





#15

Acrylonitrile

Concen: 511.192 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

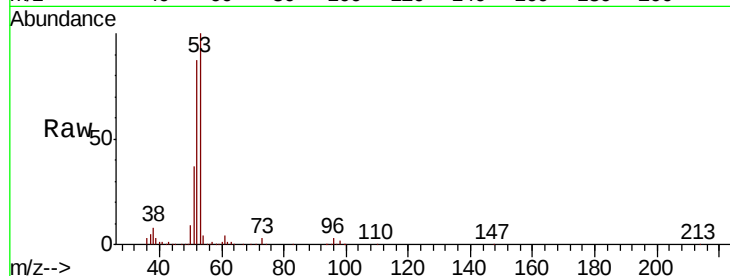
Tgt Ion: 53 Resp: 595564

Ion Ratio Lower Upper

53 100

52 84.5 66.6 100.0

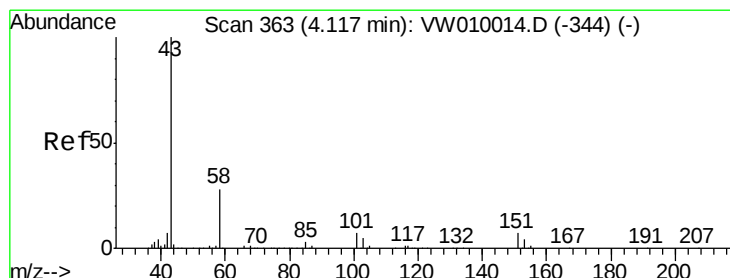
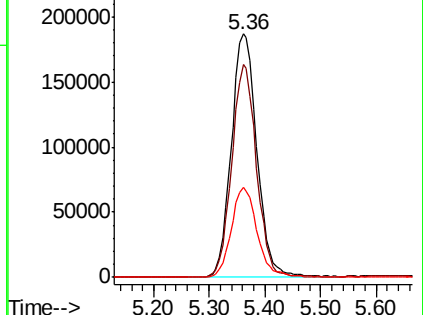
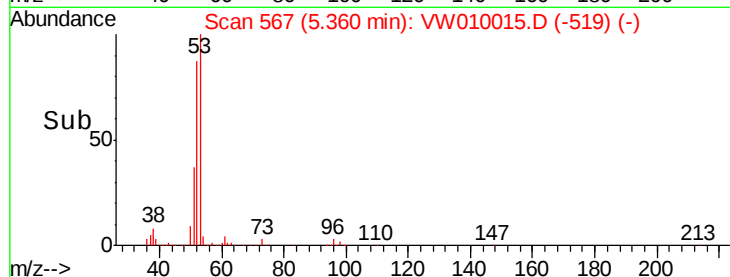
51 37.4 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 470.716 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010015.D

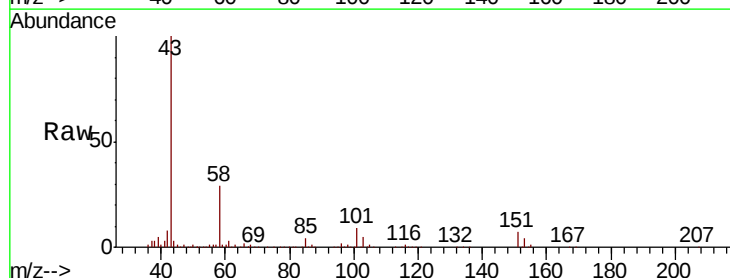
Acq: 17 Apr 2019 12:44

Tgt Ion: 43 Resp: 598567

Ion Ratio Lower Upper

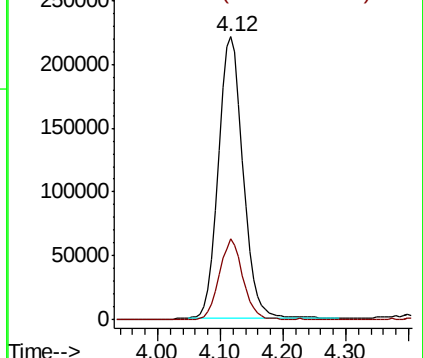
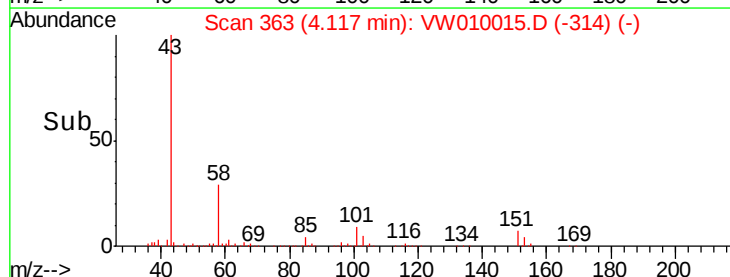
43 100

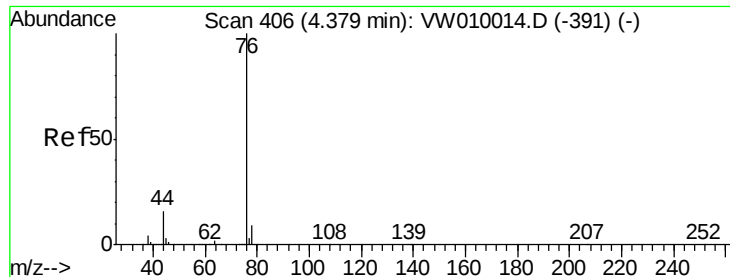
58 29.0 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

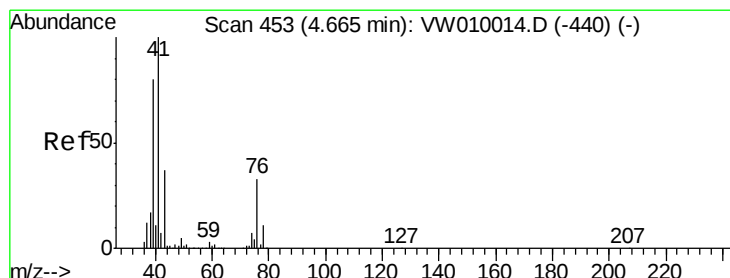
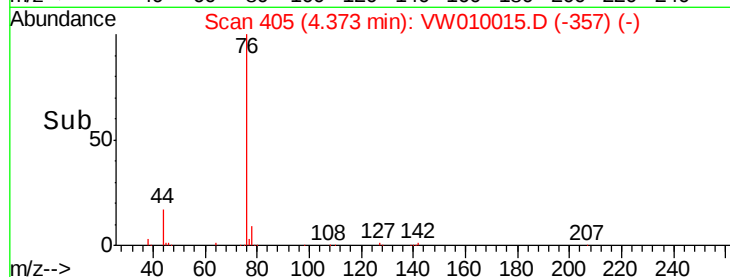
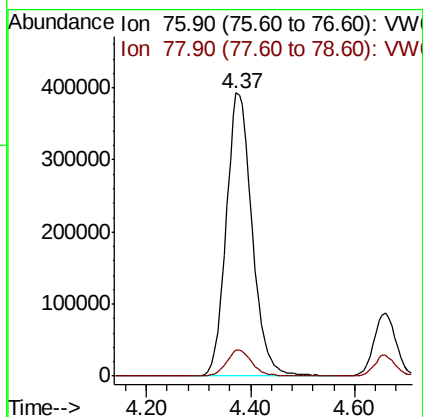
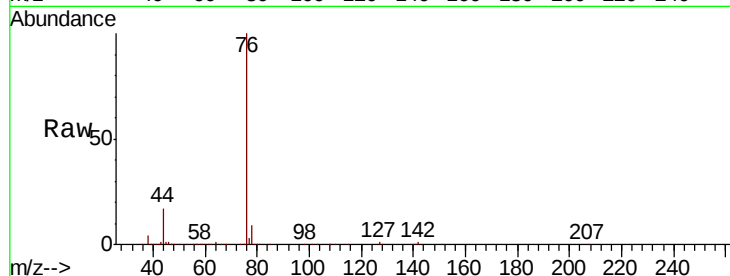




#17
Carbon Disulfide
Concen: 113.549 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

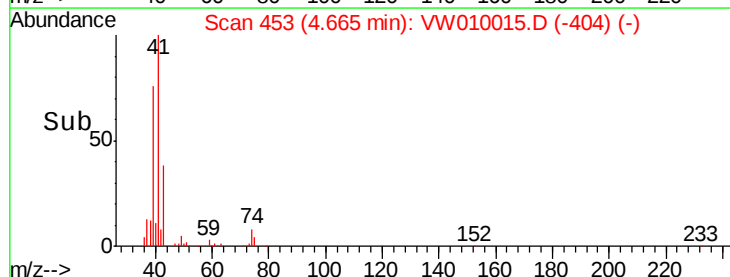
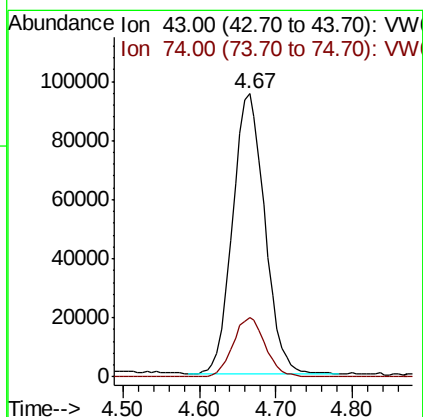
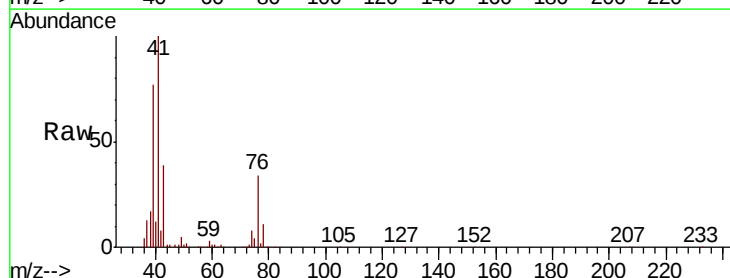
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

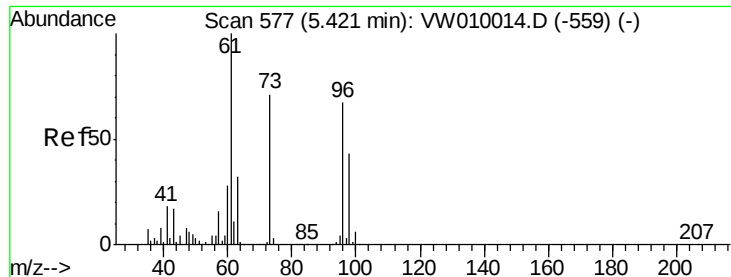
Tgt Ion: 76 Resp: 1367512
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 94.254 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 43 Resp: 277392
Ion Ratio Lower Upper
43 100
74 21.2 16.8 25.2

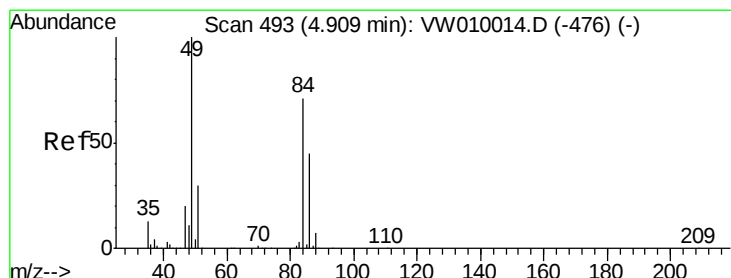
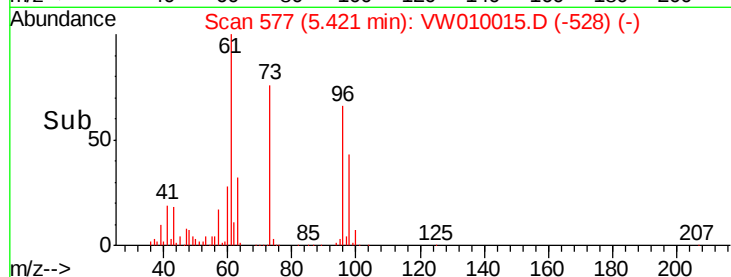
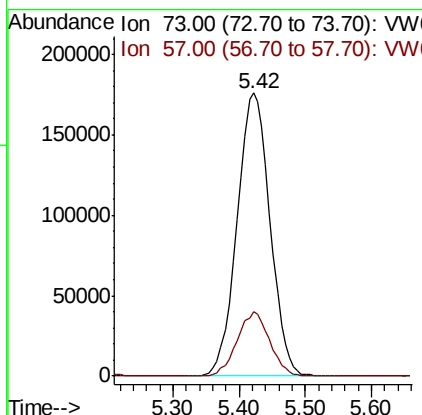
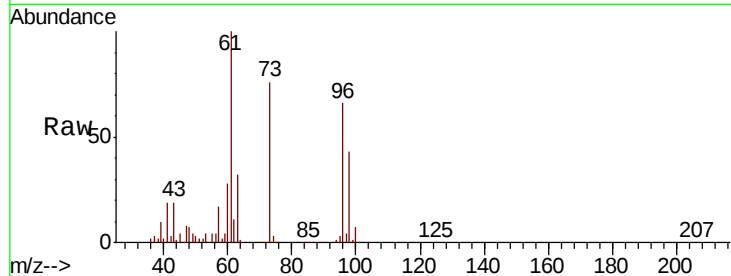




#19
Methyl tert-butyl Ether
Concen: 106.606 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

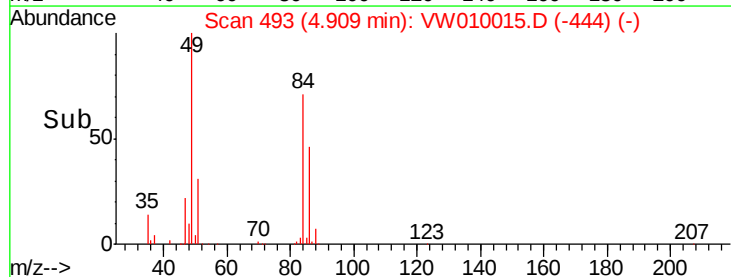
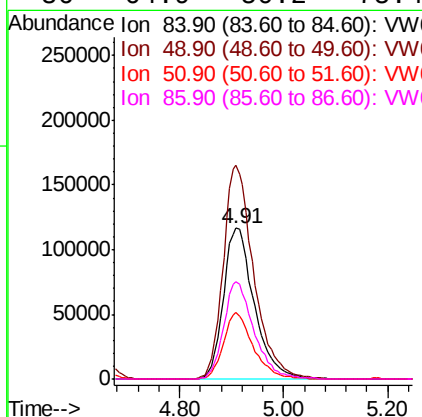
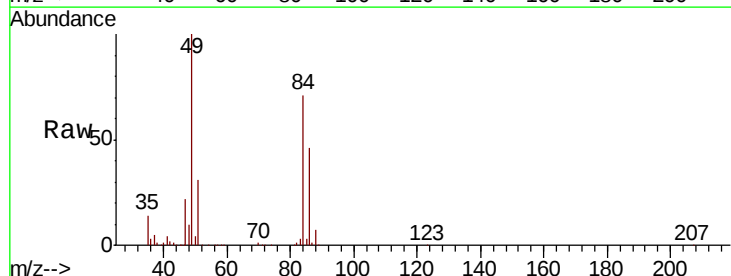
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

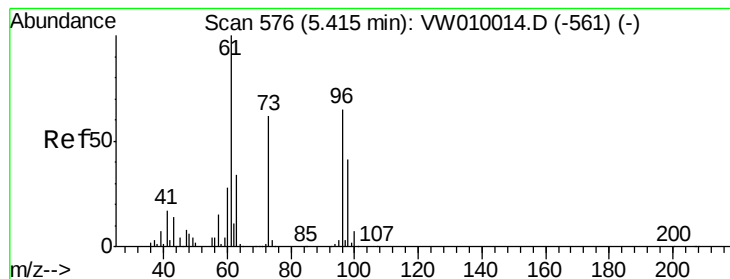
Tgt Ion: 73 Resp: 607929
Ion Ratio Lower Upper
73 100
57 22.8 18.5 27.7



#20
Methylene Chloride
Concen: 82.198 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 84 Resp: 480873
Ion Ratio Lower Upper
84 100
49 141.8 112.3 168.5
51 43.9 33.9 50.9
86 64.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 106.236 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

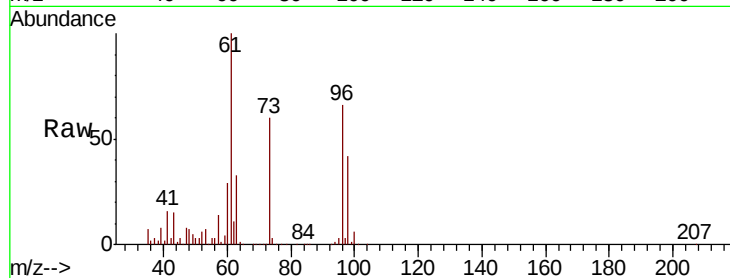
Tgt Ion: 96 Resp: 505078

Ion Ratio Lower Upper

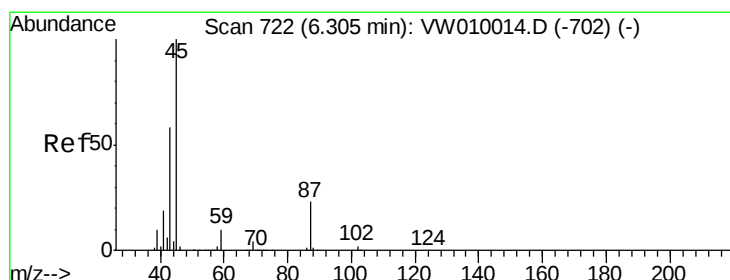
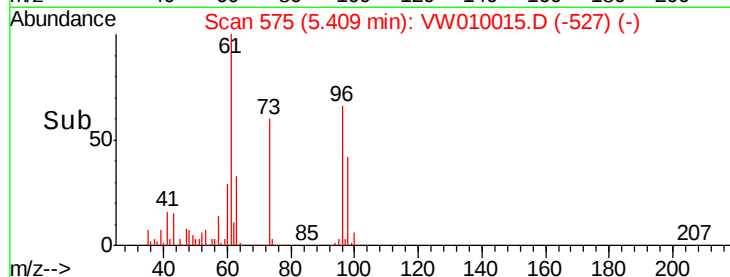
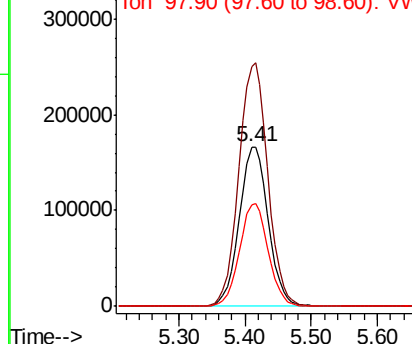
96 100

61 150.4 122.3 183.5

98 63.4 50.5 75.7



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



#22

Diisopropyl ether

Concen: 102.406 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion: 45 Resp: 1621397

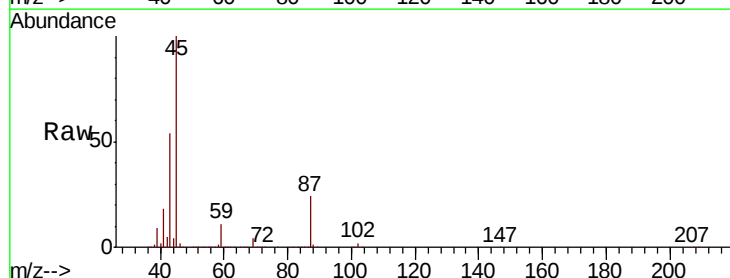
Ion Ratio Lower Upper

45 100

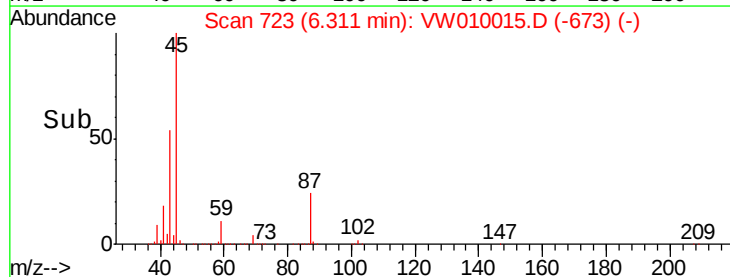
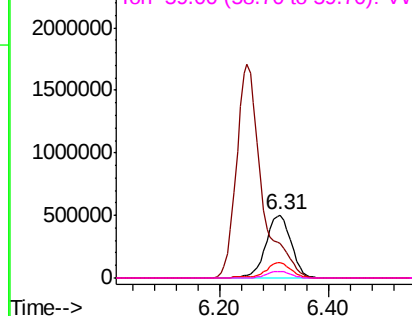
43 54.2 46.1 69.1

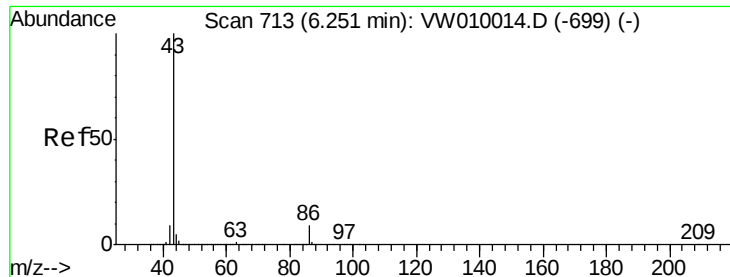
87 23.6 18.3 27.5

59 10.6 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 551.415 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

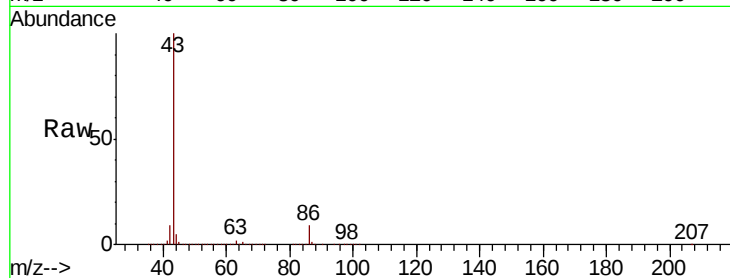
VSTDIC100

Tgt Ion: 43 Resp: 5496004

Ion Ratio Lower Upper

43 100

86 9.1 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

2000000

1500000

1000000

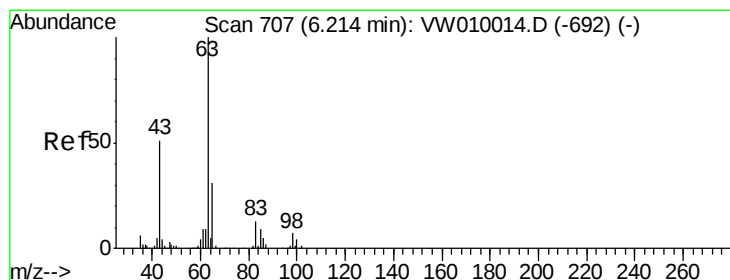
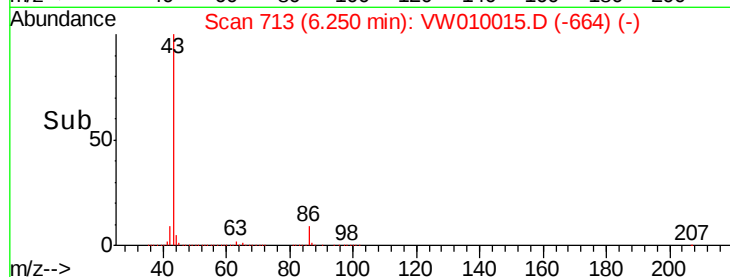
500000

0

6.25

6.20 6.25 6.30

Time-->



#24

1,1-Dichloroethane

Concen: 99.711 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

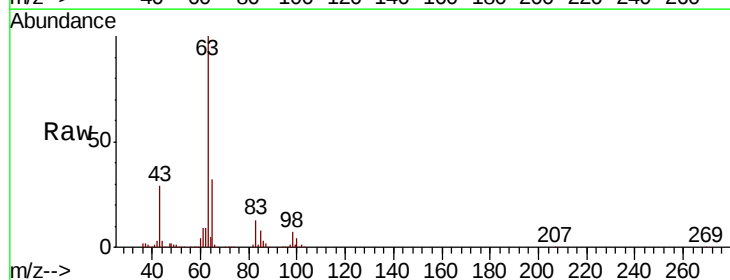
Tgt Ion: 63 Resp: 943759

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

400000

300000

200000

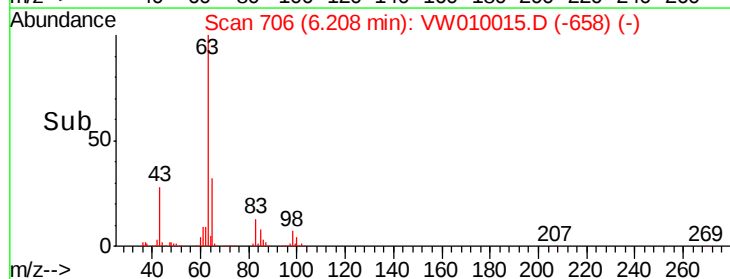
100000

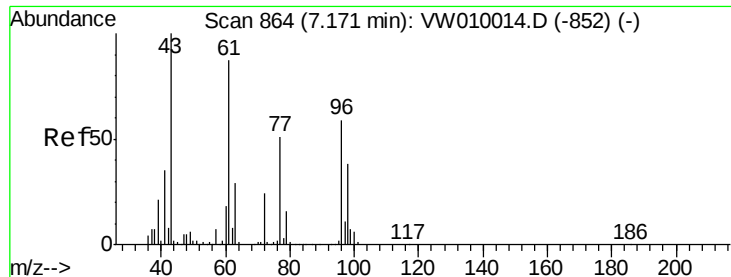
0

6.21

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 534.605 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

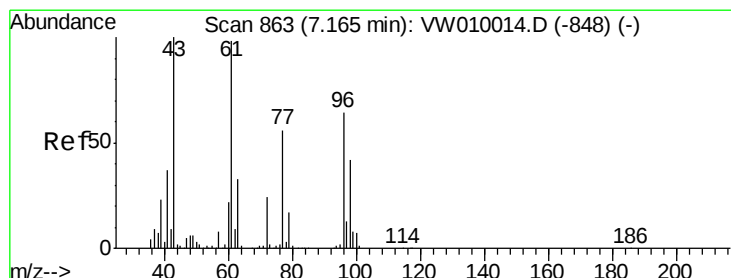
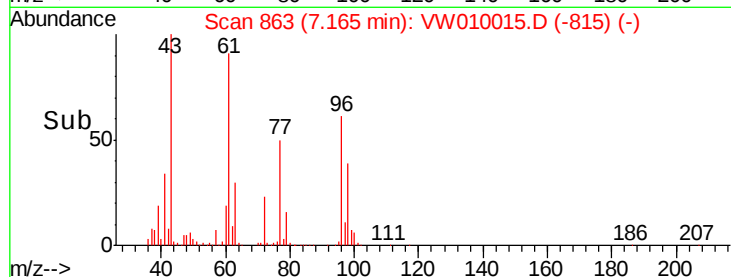
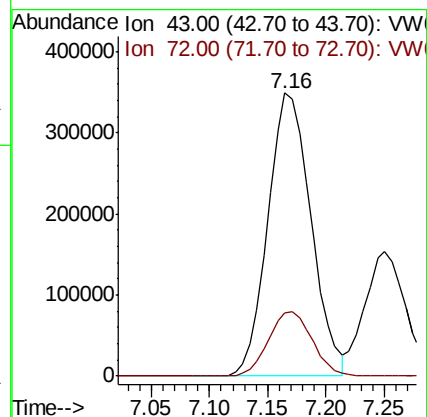
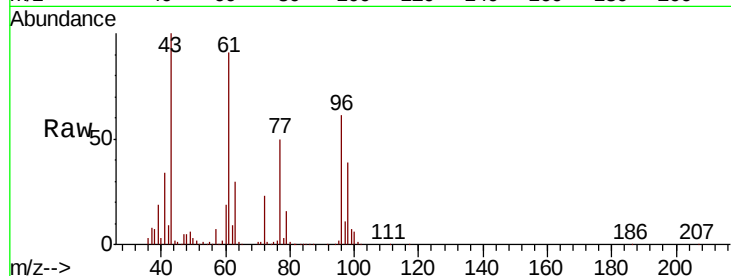
VSTDIC100

Tgt Ion: 43 Resp: 893006

Ion Ratio Lower Upper

43 100

72 22.5 19.1 28.7



#26

2,2-Dichloropropane

Concen: 96.905 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010015.D

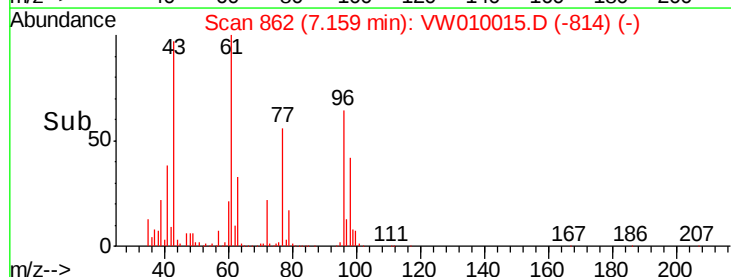
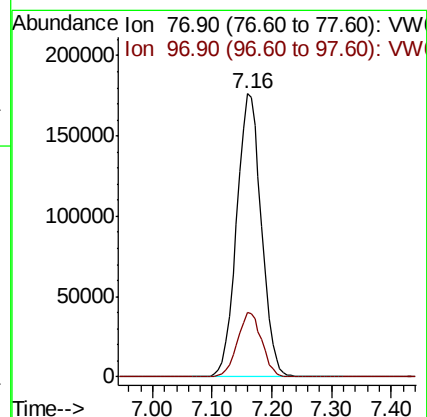
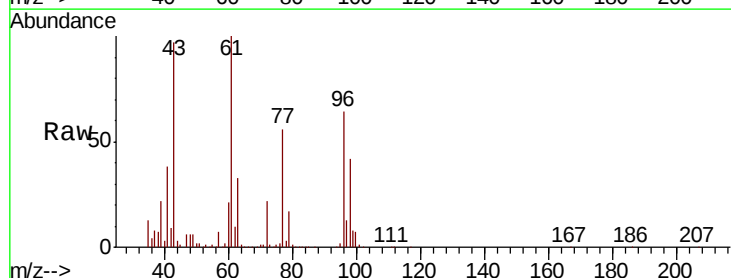
Acq: 17 Apr 2019 12:44

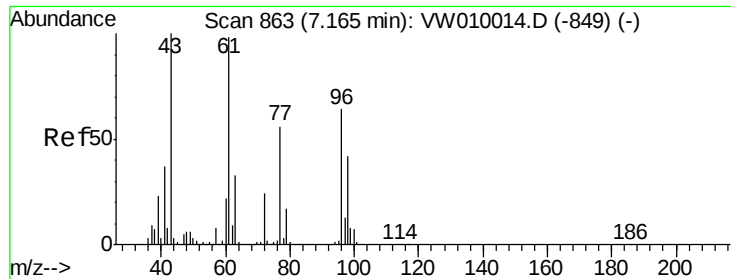
Tgt Ion: 77 Resp: 507447

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9



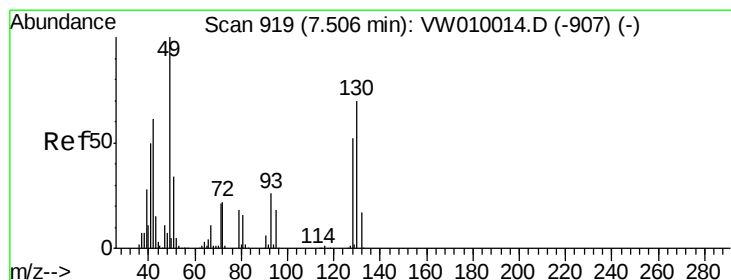
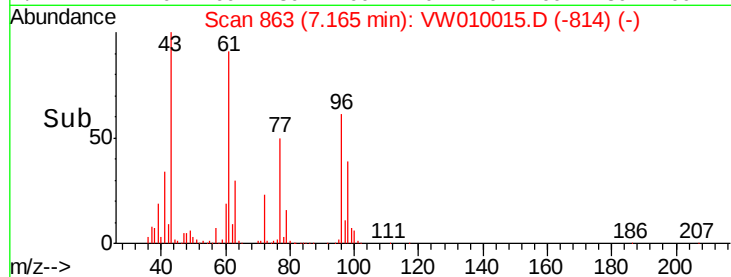
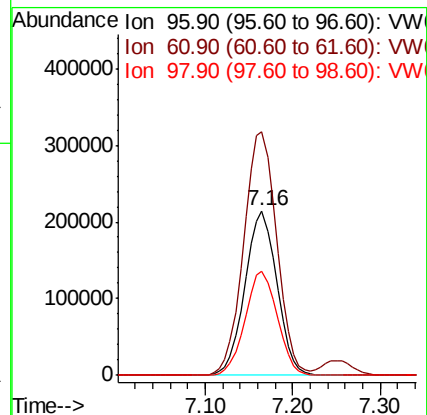
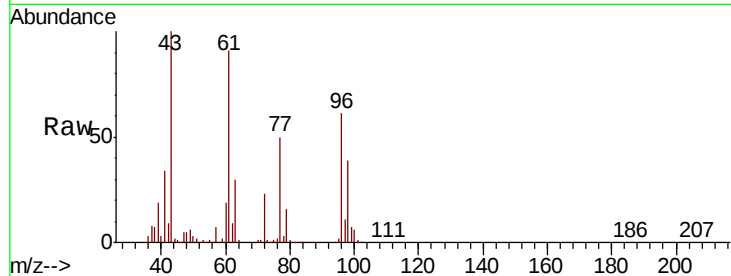


#27

cis-1,2-Dichloroethene
Concen: 104.436 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

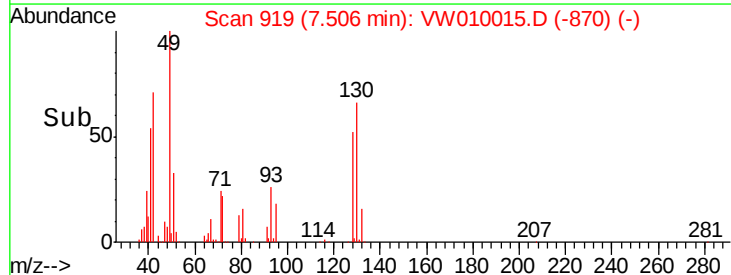
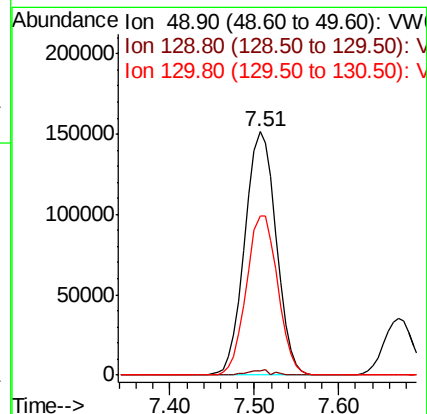
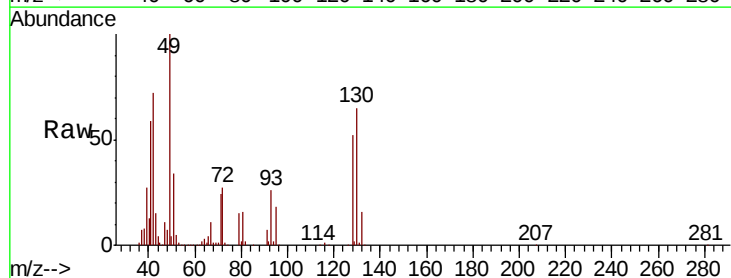
Tgt Ion	Resp	Lower	Upper
96	546065		
Ion Ratio			
96	100		
61	153.1	0.0	309.4
98	64.0	0.0	128.6

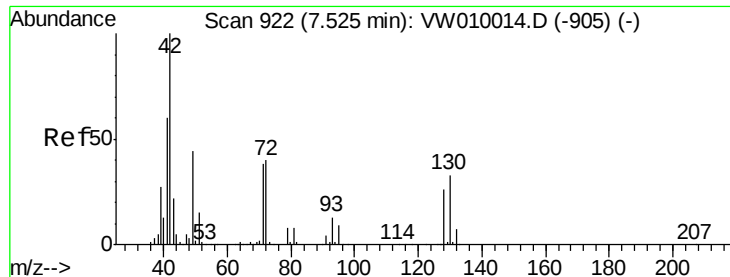


#28

Bromochloromethane
Concen: 98.650 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Resp	Lower	Upper
49	381580		
Ion Ratio			
49	100		
129	1.6	0.0	3.8
130	65.5	54.6	82.0

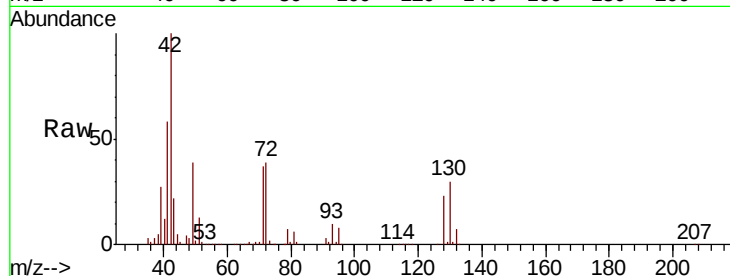




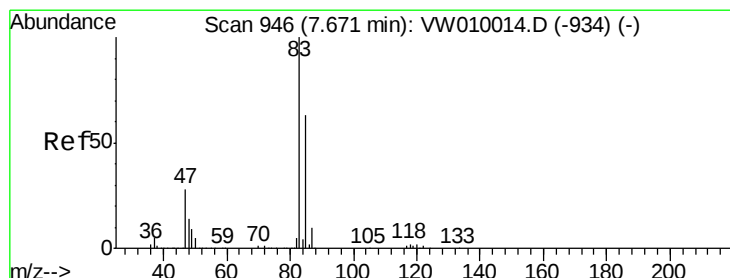
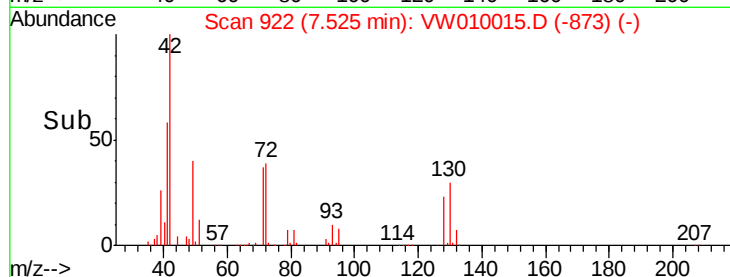
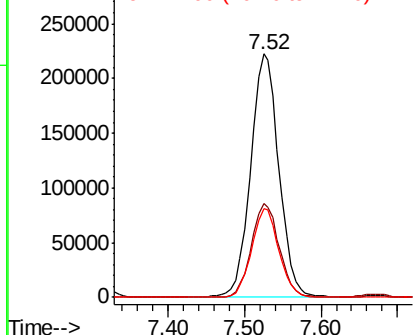
#29
Tetrahydrofuran
Concen: 539.514 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 571034
Ion Ratio Lower Upper
42 100
72 38.2 31.0 46.6
71 35.6 29.7 44.5

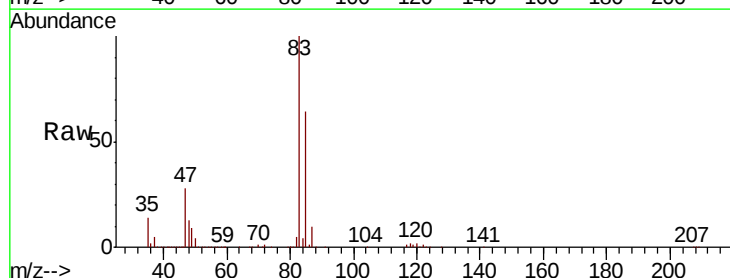


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

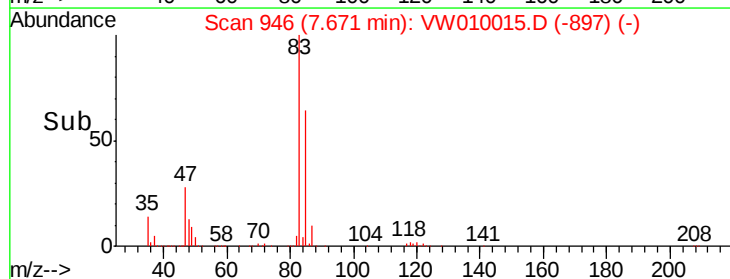
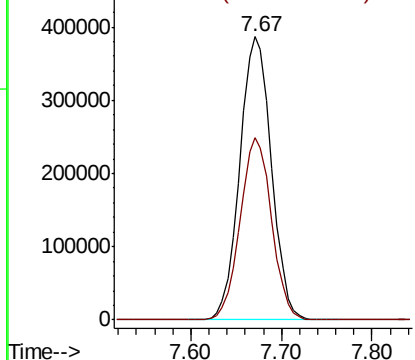


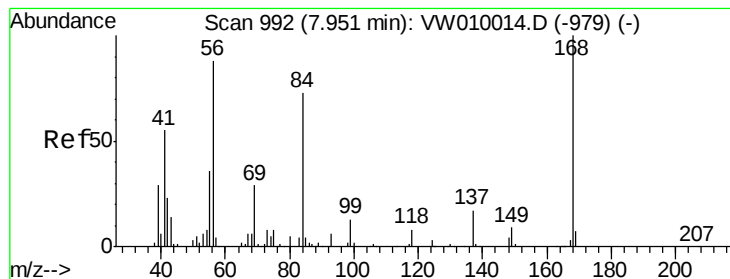
#30
Chloroform
Concen: 98.424 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 83 Resp: 933459
Ion Ratio Lower Upper
83 100
85 64.2 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: 99.920 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

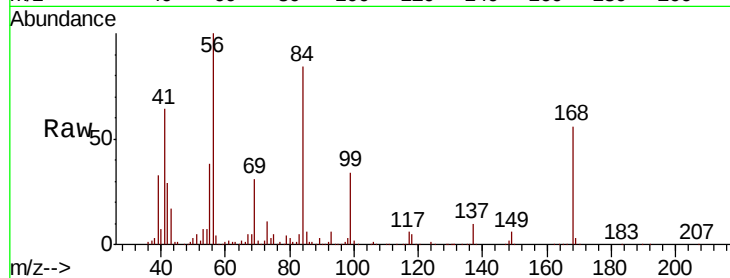
Tgt Ion: 56 Resp: 885609

Ion Ratio Lower Upper

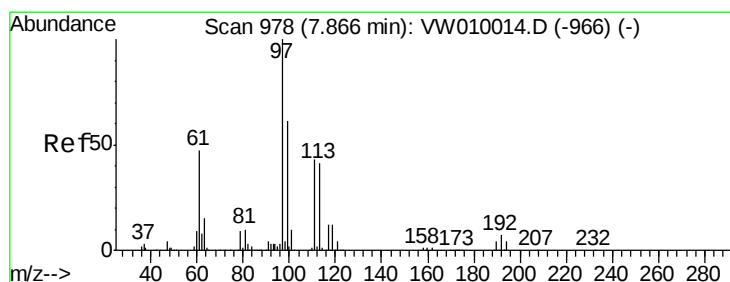
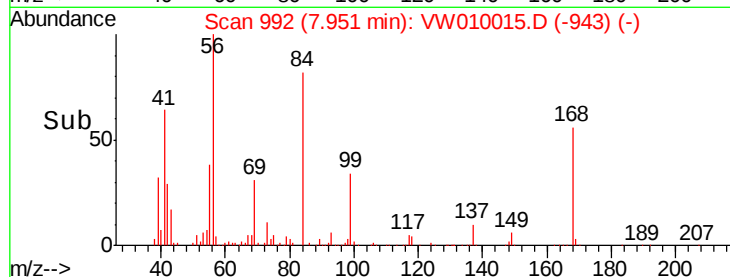
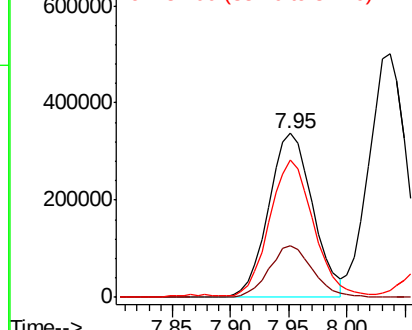
56 100

69 31.3 26.6 40.0

84 82.5 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: 98.380 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

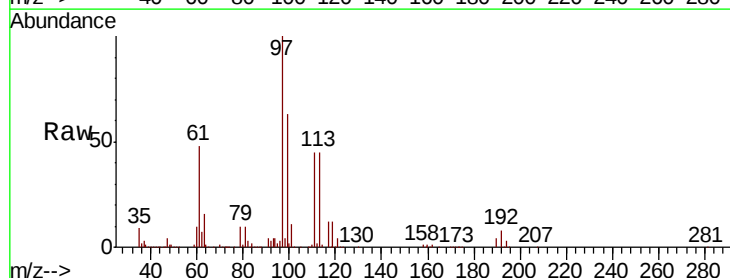
Tgt Ion: 97 Resp: 732476

Ion Ratio Lower Upper

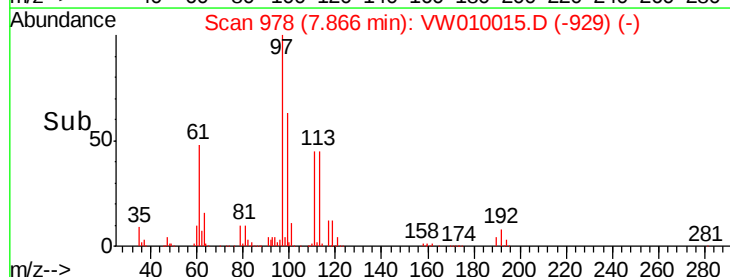
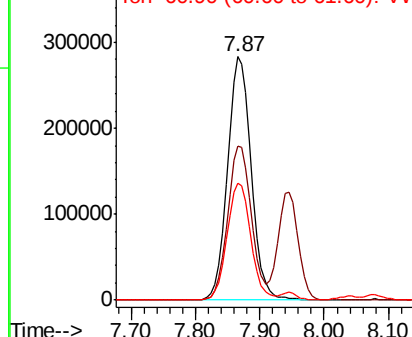
97 100

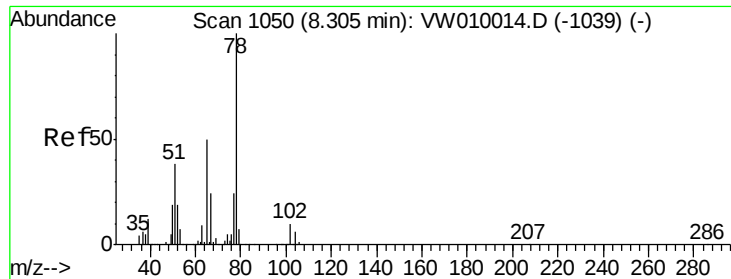
99 63.3 50.2 75.2

61 48.3 38.2 57.2



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





#33

1,2-Dichloroethane-d4

Concen: 103.440 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

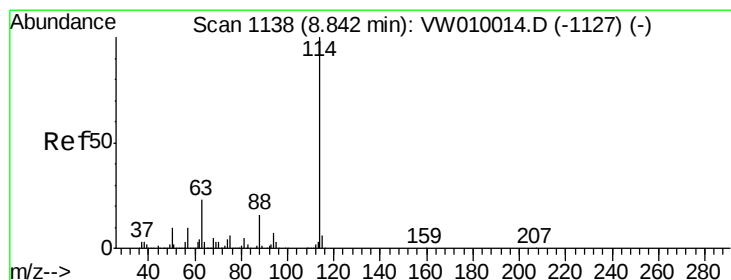
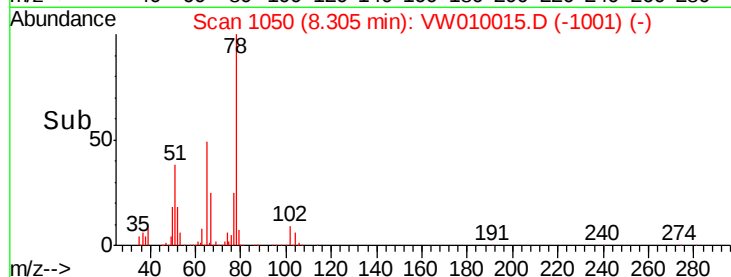
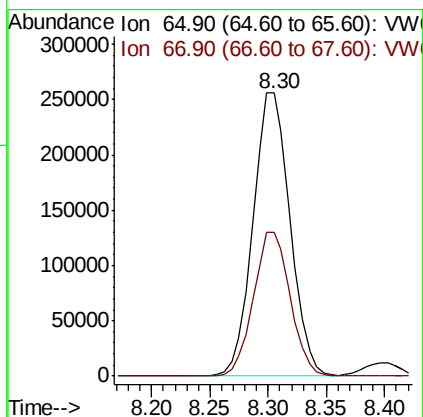
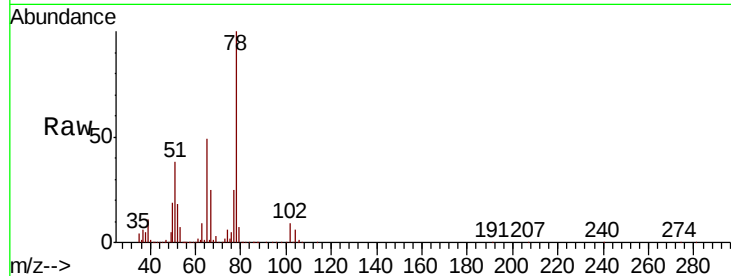
VSTDIC100

Tgt Ion: 65 Resp: 566910

Ion Ratio Lower Upper

65 100

67 50.6 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: VW010015.D

Acq: 17 Apr 2019 12:44

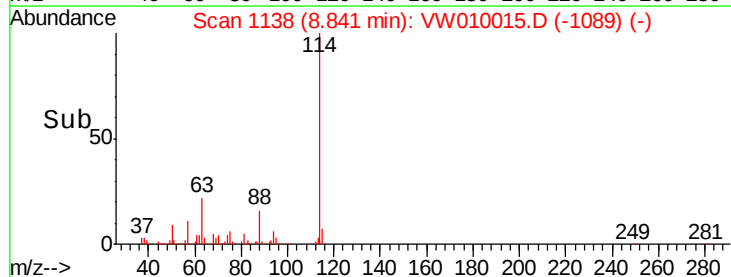
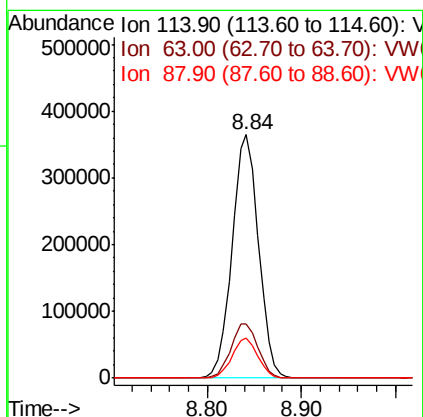
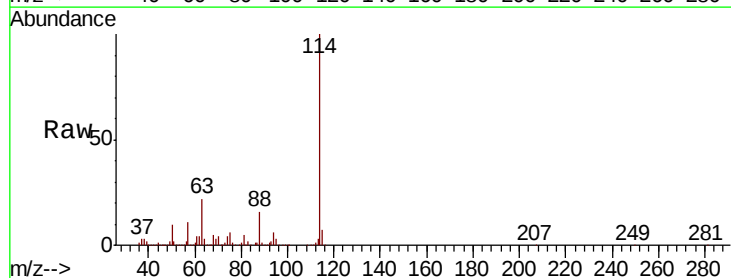
Tgt Ion: 114 Resp: 708428

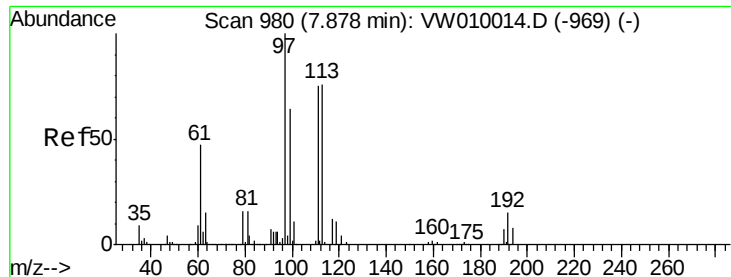
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

88 16.4 0.0 32.6

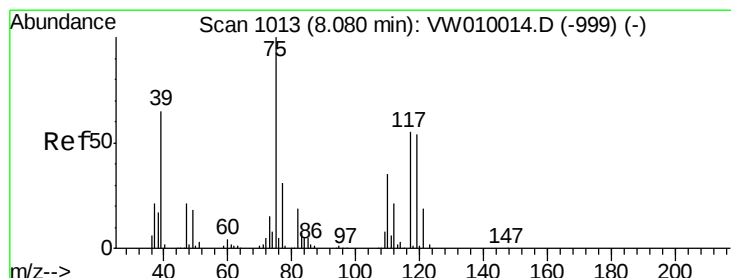
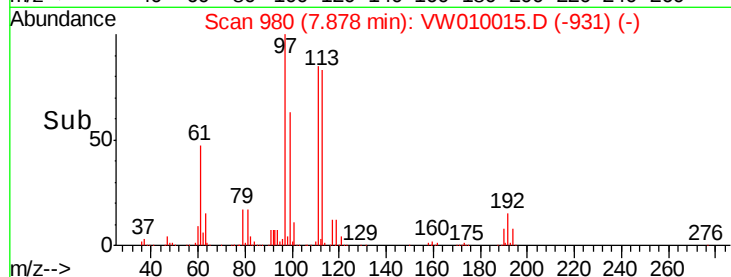
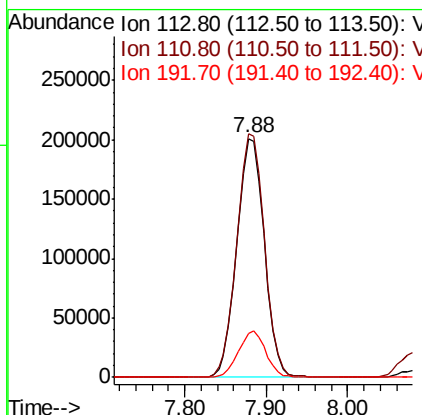
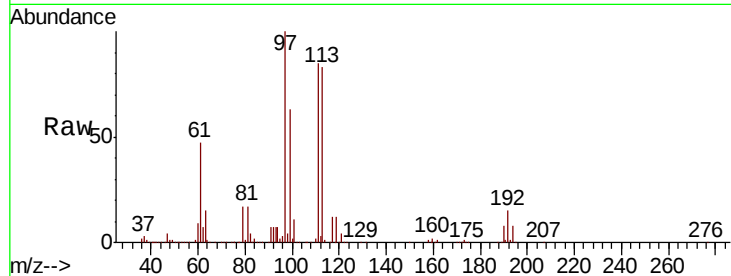




#35
 Dibromofluoromethane
 Concen: 104.222 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

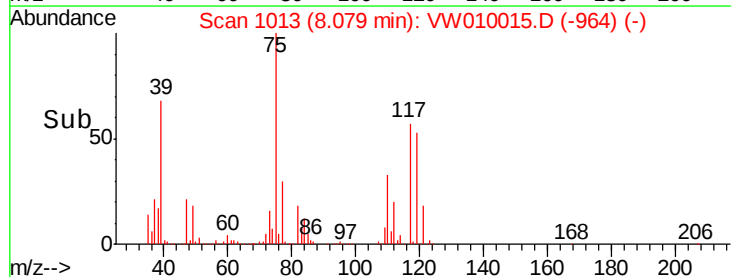
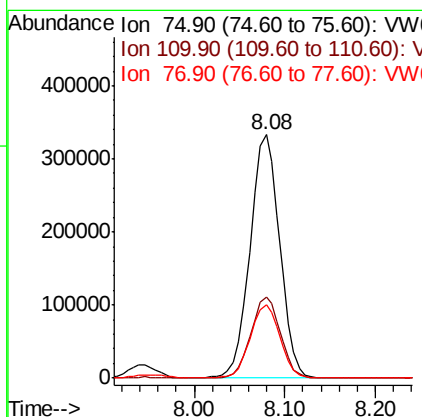
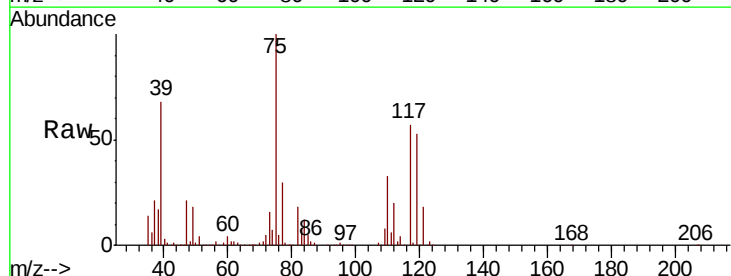
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

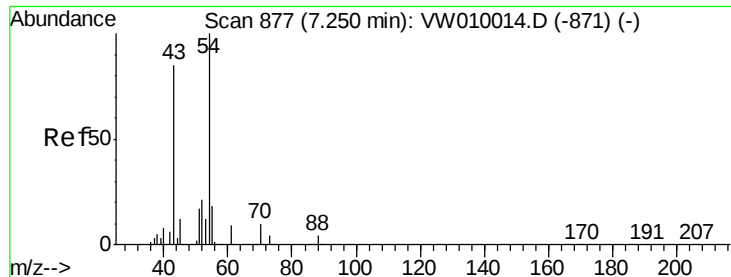
Tgt Ion: 113 Resp: 469411
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 19.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 103.958 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion: 75 Resp: 752290
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.6 49.8
 77 30.5 24.8 37.2

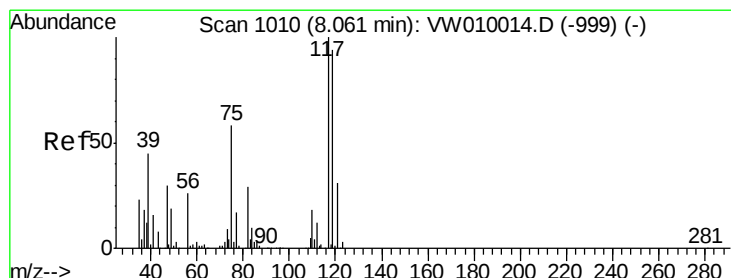
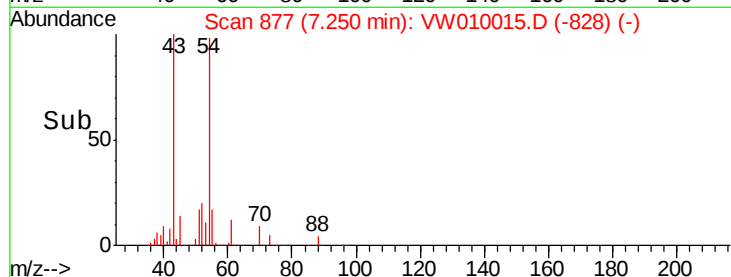
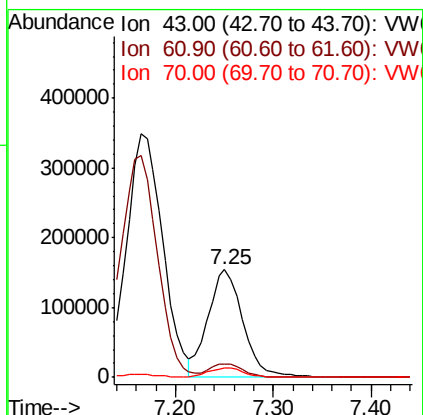
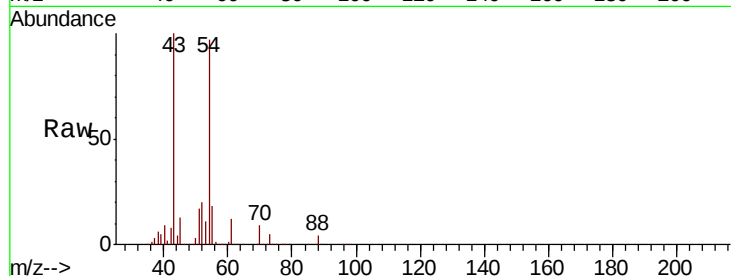




#37
Ethyl Acetate
Concen: 103.759 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

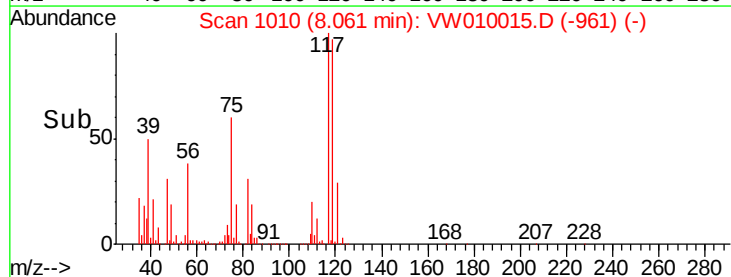
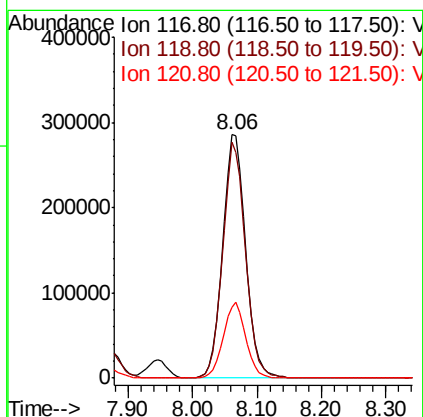
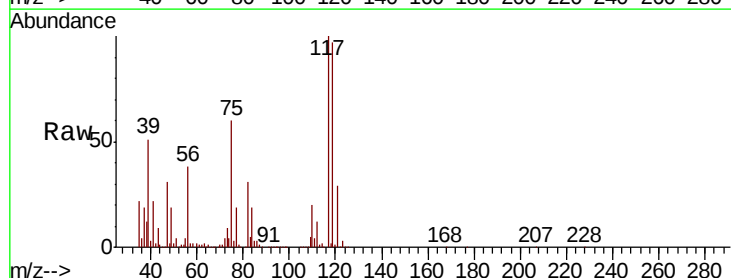
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

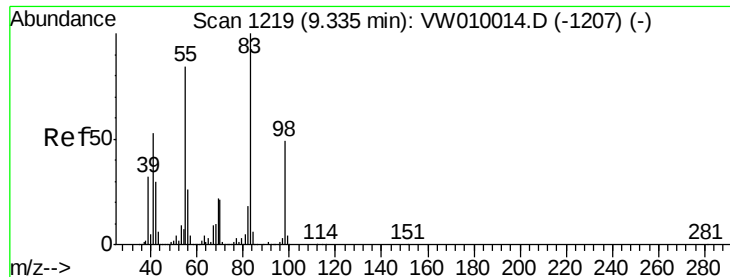
Tgt Ion: 43 Resp: 381539
Ion Ratio Lower Upper
43 100
61 12.3 9.8 14.8
70 9.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 101.582 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 117 Resp: 717427
Ion Ratio Lower Upper
117 100
119 96.7 75.3 112.9
121 29.3 24.4 36.6

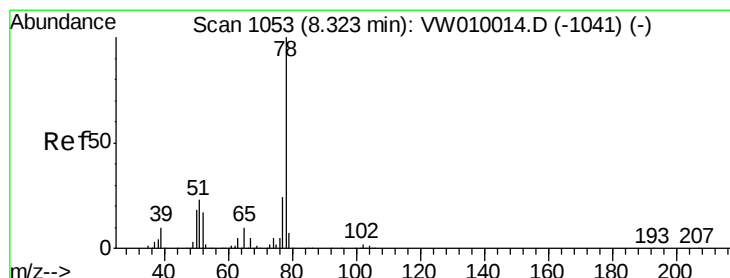
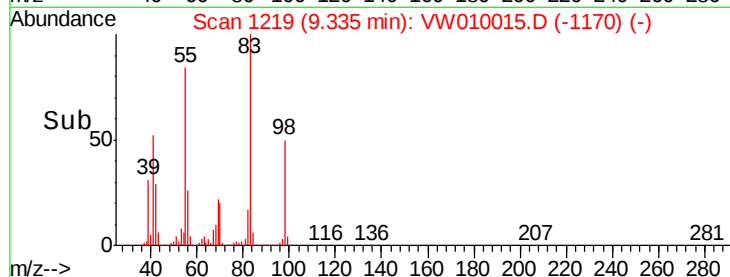
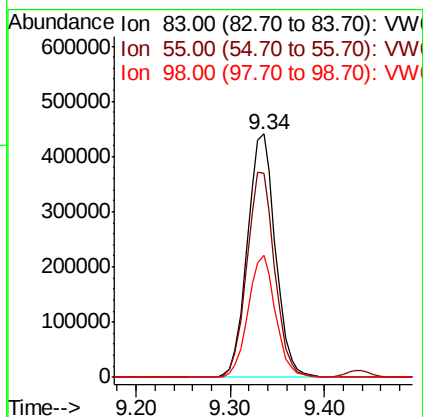
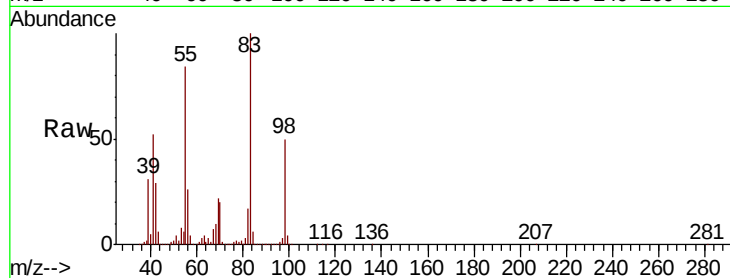




#39
Methylcyclohexane
Concen: 113.411 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

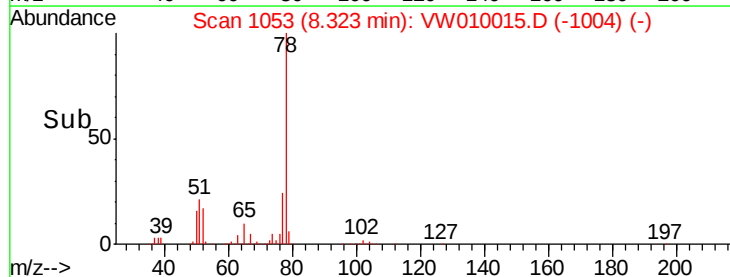
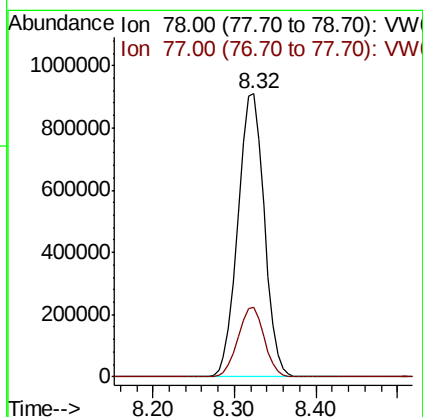
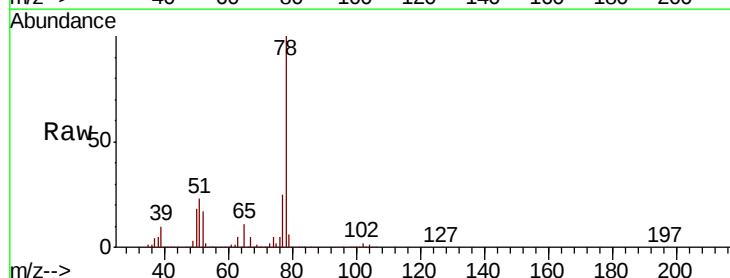
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

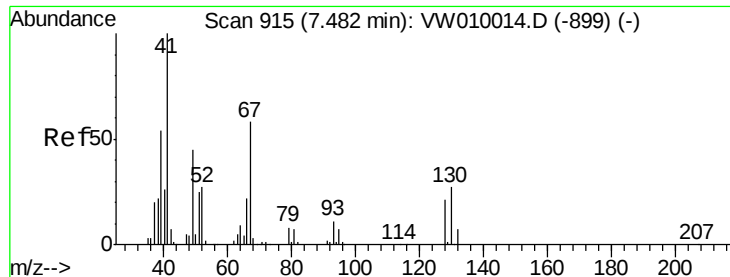
Tgt Ion: 83 Resp: 923516
Ion Ratio Lower Upper
83 100
55 83.6 67.1 100.7
98 50.2 39.2 58.8



#40
Benzene
Concen: 102.674 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 78 Resp: 2031546
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7

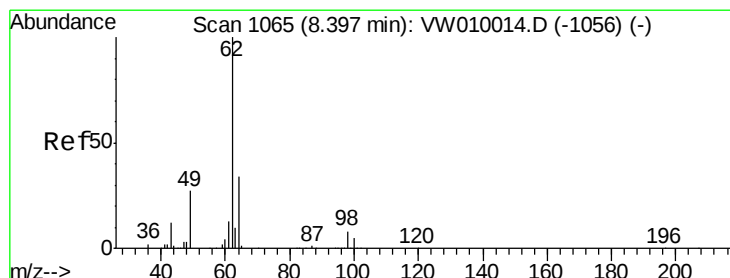
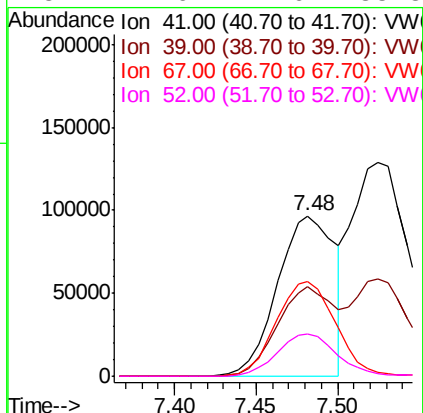
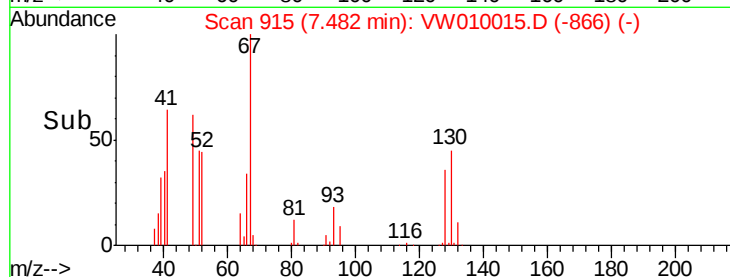
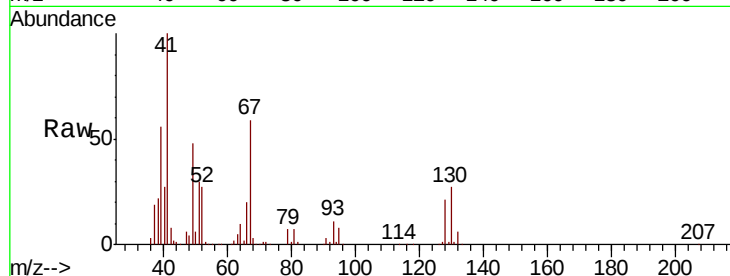




#41
Methacrylonitrile
Concen: 112.637 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

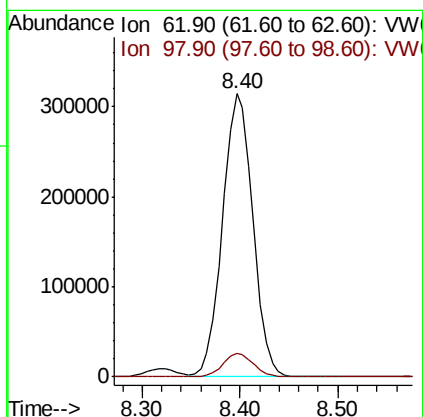
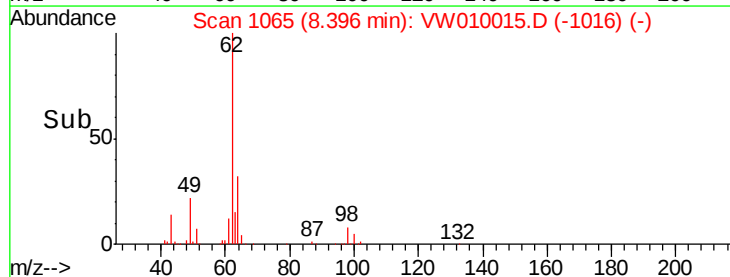
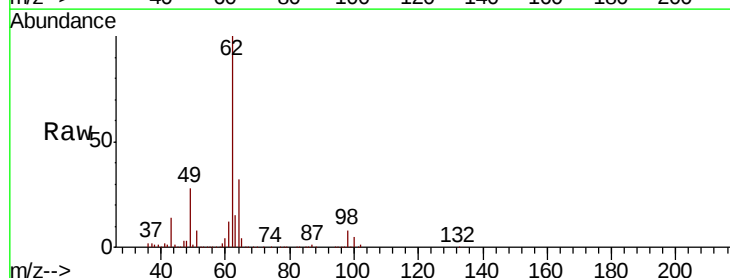
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

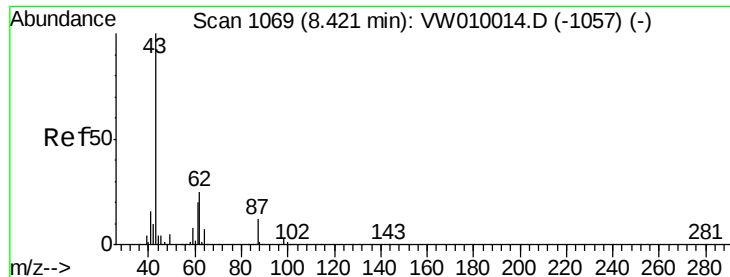
Tgt Ion:	41	Resp:	236058
Ion	Ratio	Lower	Upper
41	100		
39	54.5	45.0	67.4
67	61.4	50.7	76.1
52	27.6	22.6	33.8



#42
1,2-Dichloroethane
Concen: 99.320 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:	62	Resp:	675360
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 107.316 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

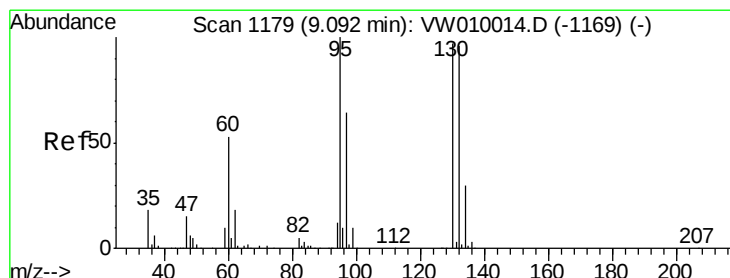
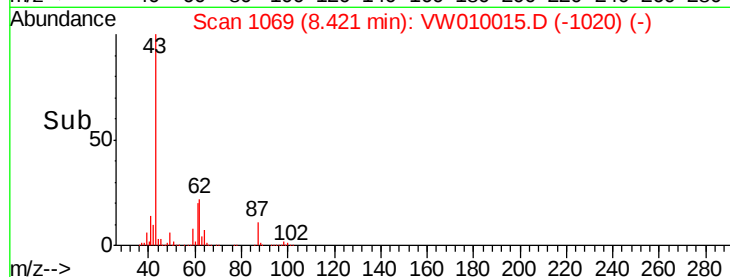
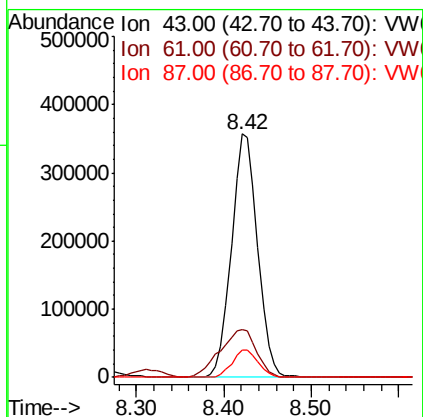
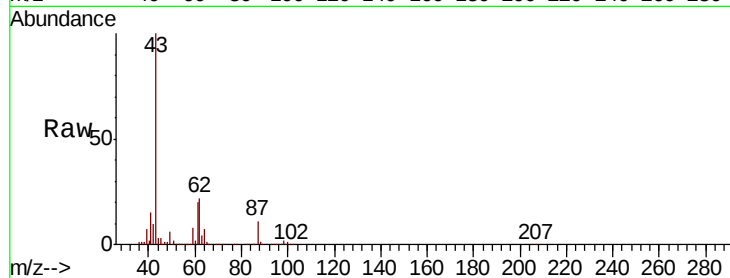
Tgt Ion: 43 Resp: 739473

Ion Ratio Lower Upper

43 100

61 27.4 23.0 34.6

87 11.2 9.3 13.9



#44

Trichloroethene

Concen: 103.656 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010015.D

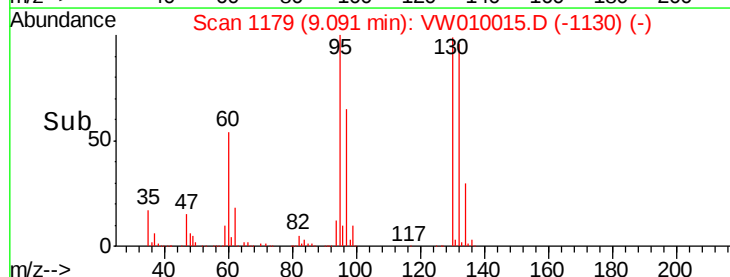
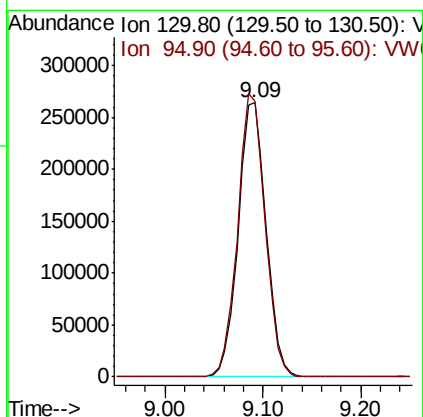
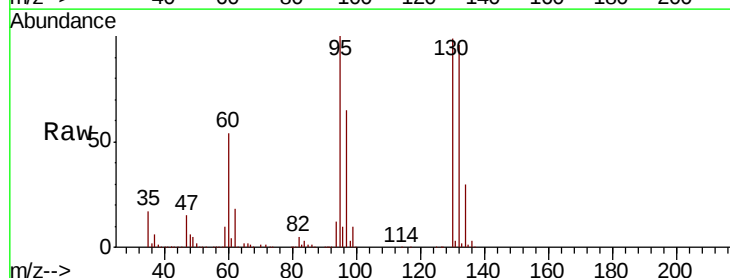
Acq: 17 Apr 2019 12:44

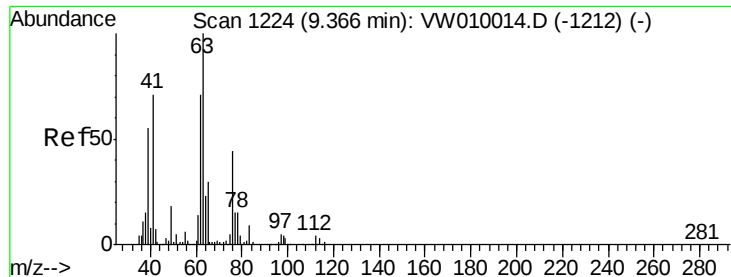
Tgt Ion: 130 Resp: 520925

Ion Ratio Lower Upper

130 100

95 100.8 0.0 205.4





#45

1,2-Dichloropropane

Concen: 100.677 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

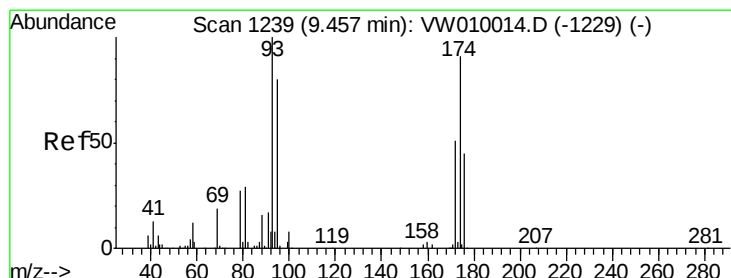
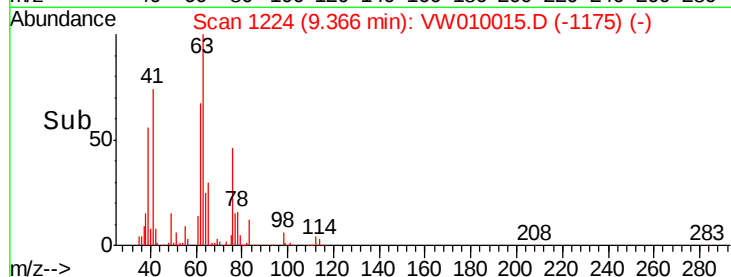
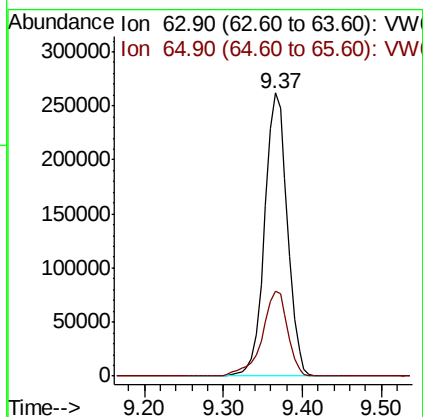
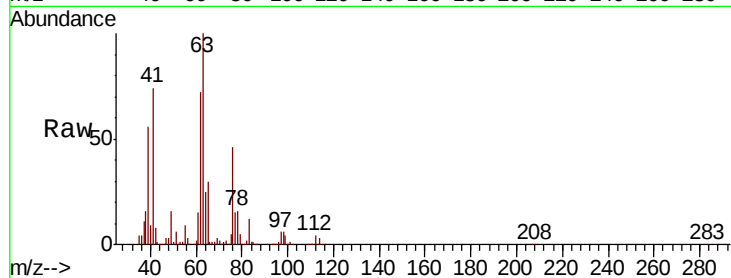
VSTDIC100

Tgt Ion: 63 Resp: 523610

Ion Ratio Lower Upper

63 100

65 29.9 23.8 35.6



#46

Dibromomethane

Concen: 102.135 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

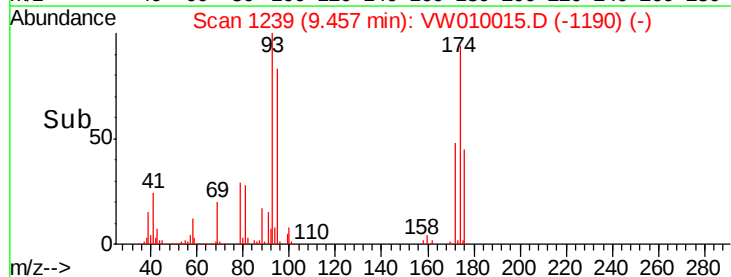
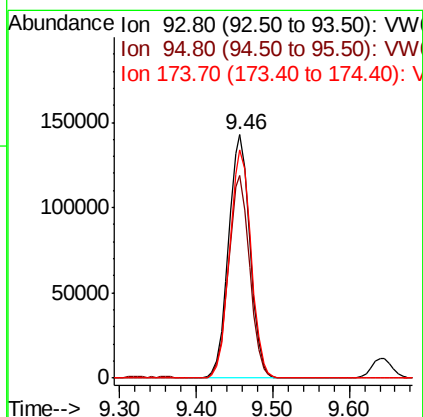
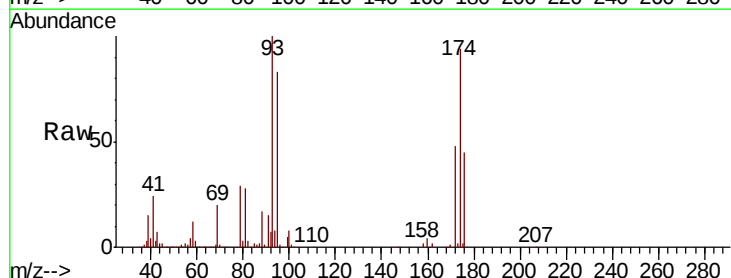
Tgt Ion: 93 Resp: 275315

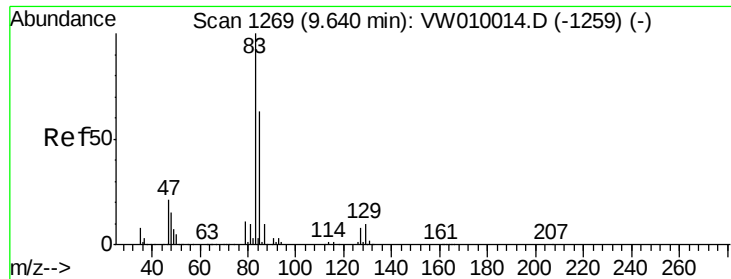
Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.8

174 94.1 75.5 113.3

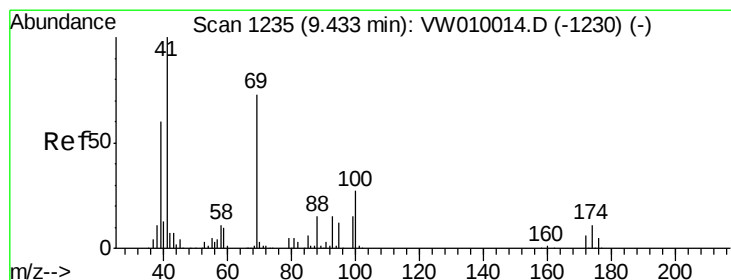
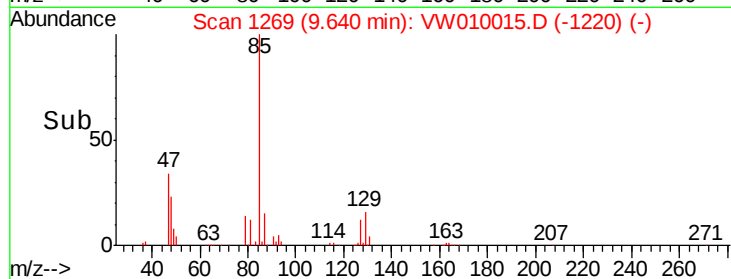
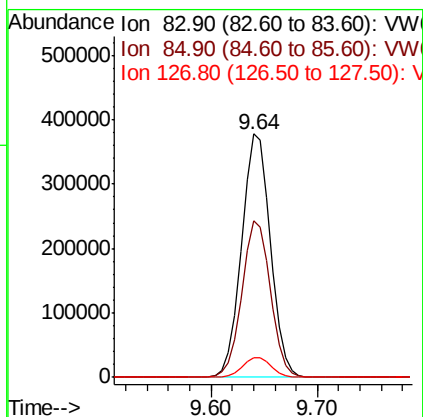
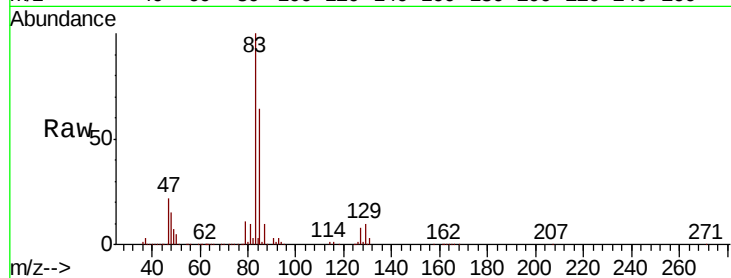




#47
 Bromodichloromethane
 Concen: 103.280 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

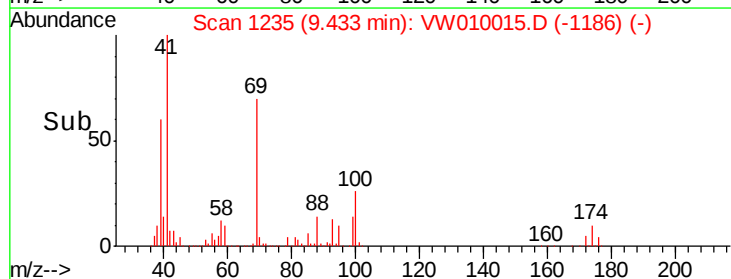
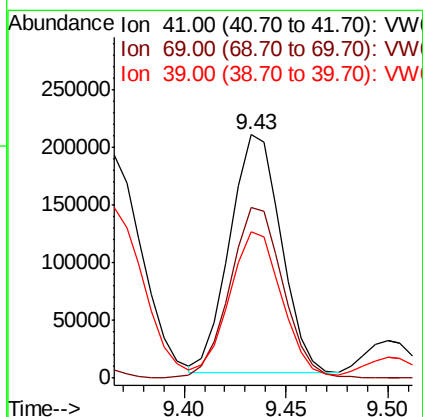
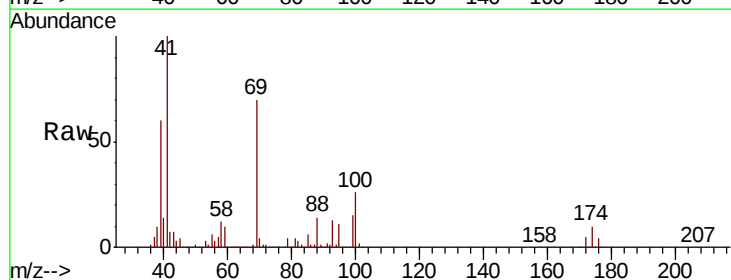
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

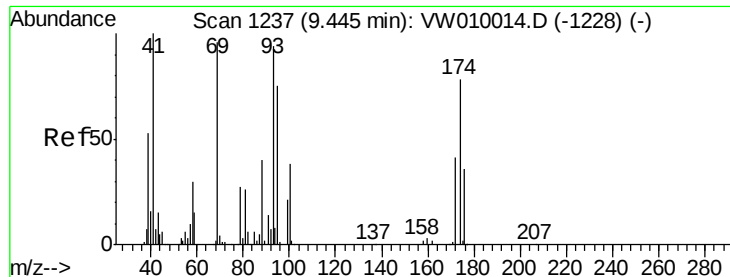
Tgt Ion: 83 Resp: 718667
 Ion Ratio Lower Upper
 83 100
 85 64.1 50.6 75.8
 127 8.0 6.6 10.0



#48
 Methyl methacrylate
 Concen: 106.680 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion: 41 Resp: 357825
 Ion Ratio Lower Upper
 41 100
 69 75.3 60.1 90.1
 39 60.4 51.0 76.6





#49

1,4-Dioxane

Concen: 2067.265 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

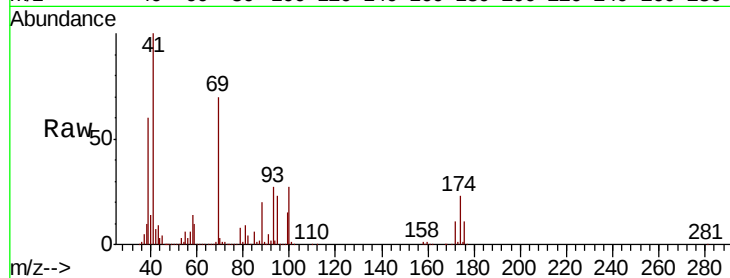
Tgt Ion: 88 Resp: 85147

Ion Ratio Lower Upper

88 100

43 40.0 31.9 47.9

58 77.1 61.8 92.6

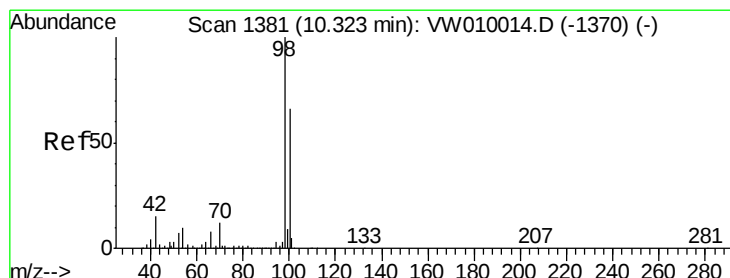
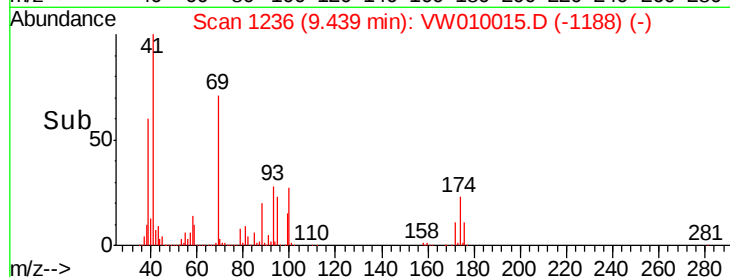
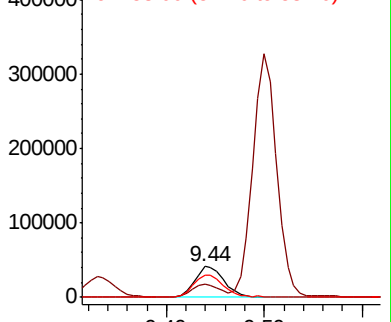


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 109.172 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010015.D

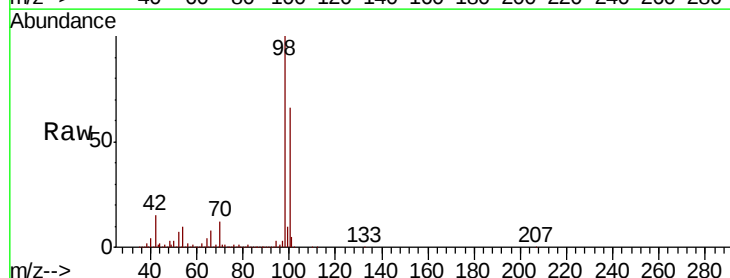
Acq: 17 Apr 2019 12:44

Tgt Ion: 98 Resp: 1842512

Ion Ratio Lower Upper

98 100

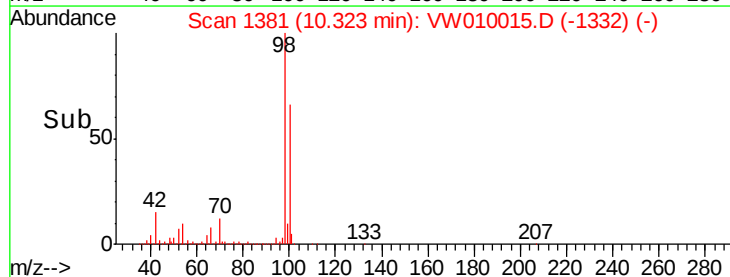
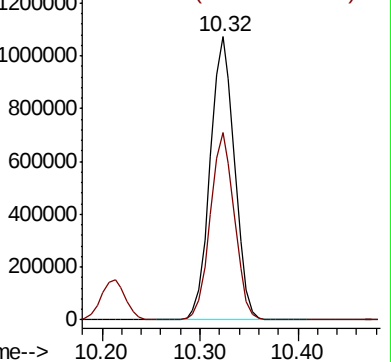
100 65.5 52.3 78.5

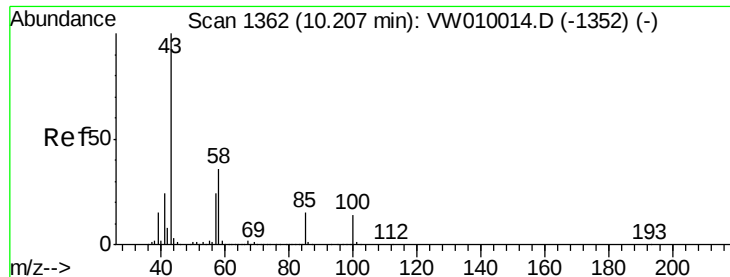


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

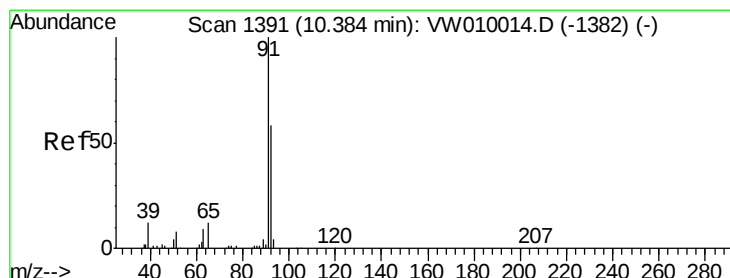
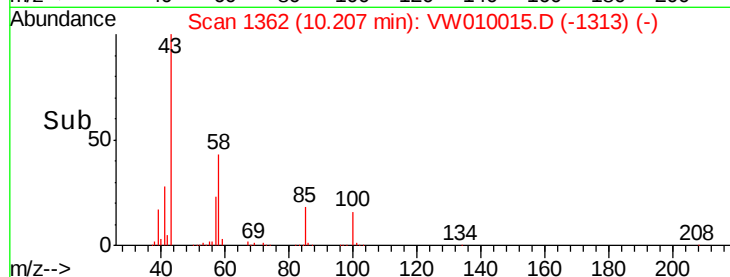
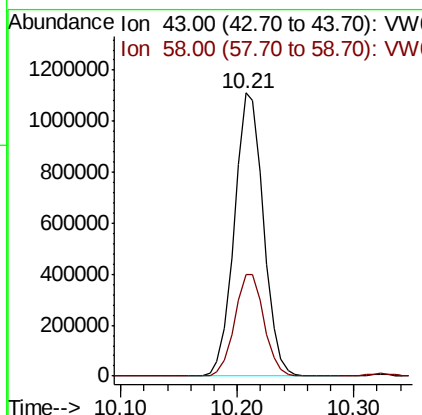
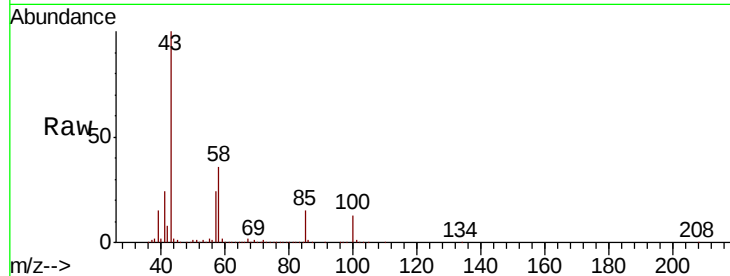




#51
 4-Methyl-2-Pentanone
 Concen: 535.869 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

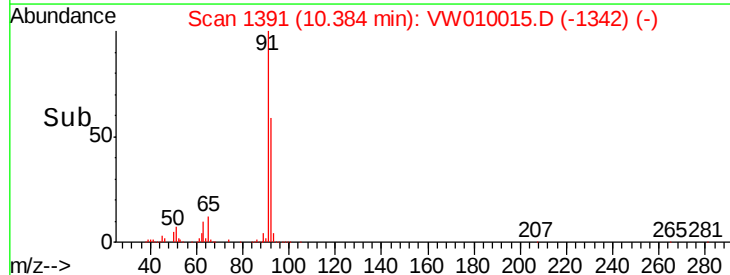
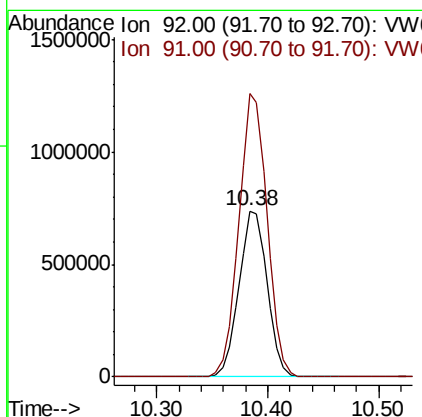
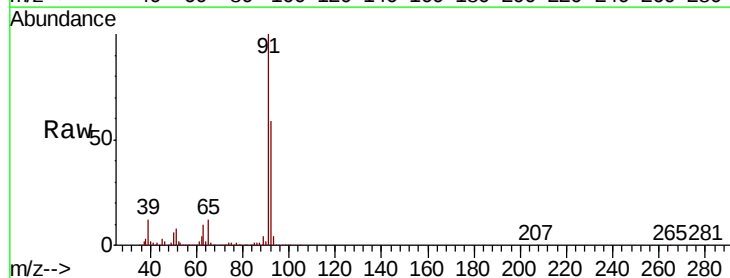
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

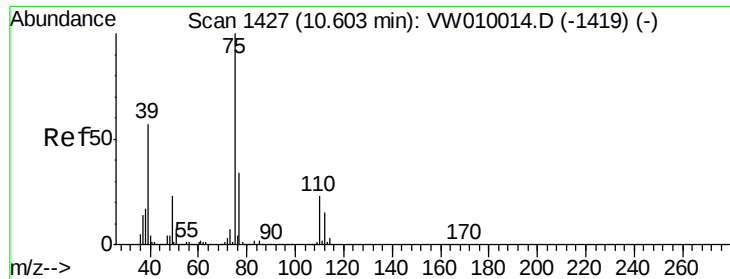
Tgt Ion: 43 Resp: 1933953
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.9 43.3



#52
 Toluene
 Concen: 104.992 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion: 92 Resp: 1294064
 Ion Ratio Lower Upper
 92 100
 91 170.8 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 107.725 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

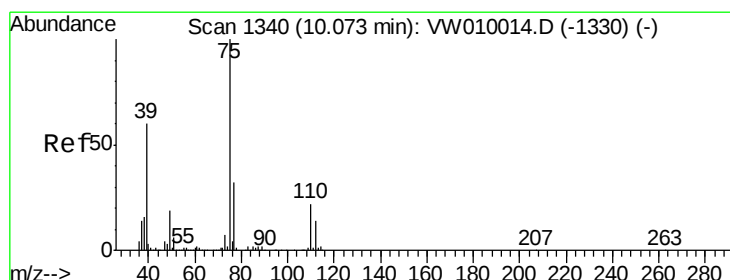
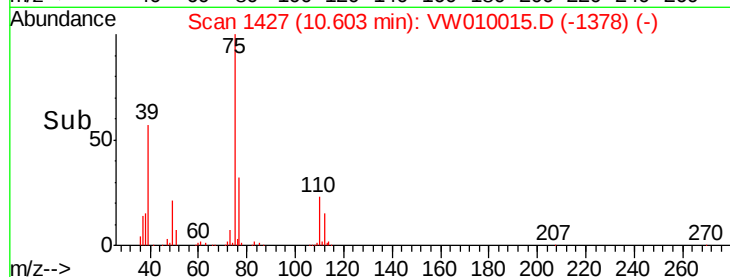
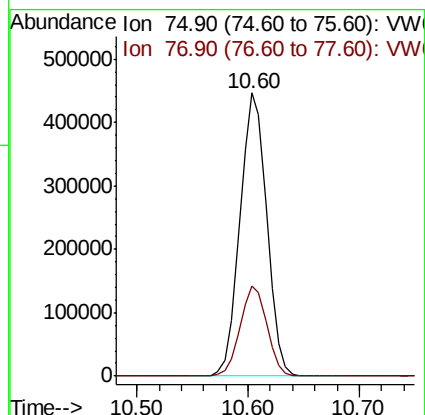
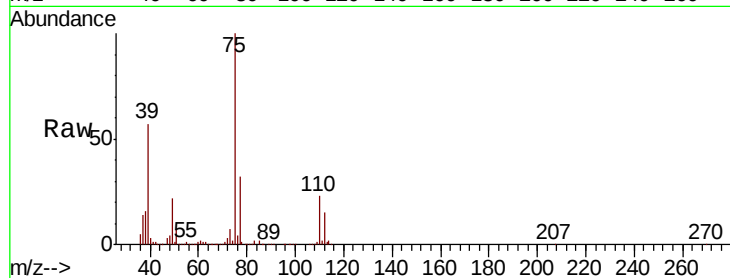
VSTDIC100

Tgt Ion: 75 Resp: 743189

Ion Ratio Lower Upper

75 100

77 31.6 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 107.545 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

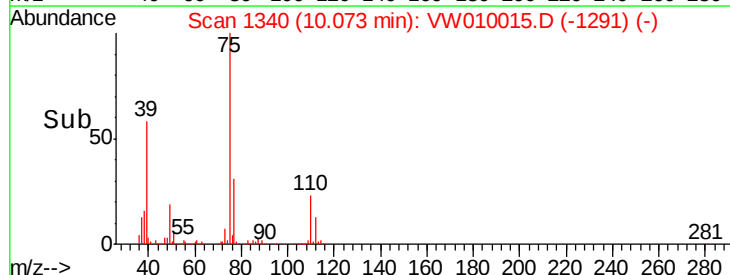
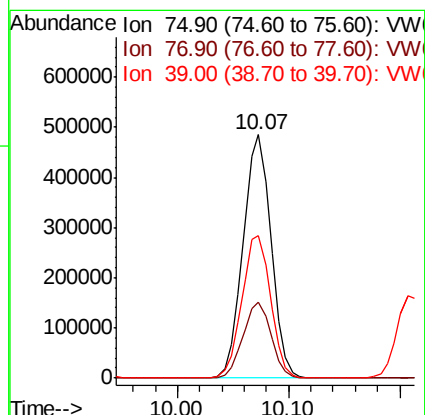
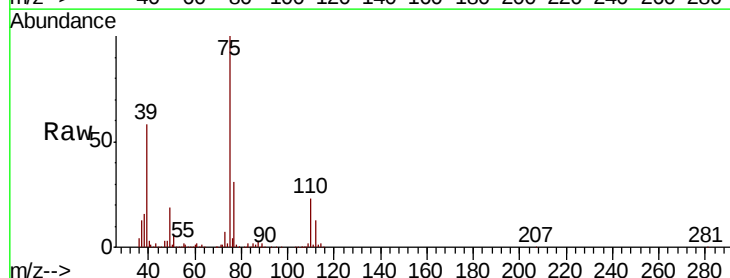
Tgt Ion: 75 Resp: 847203

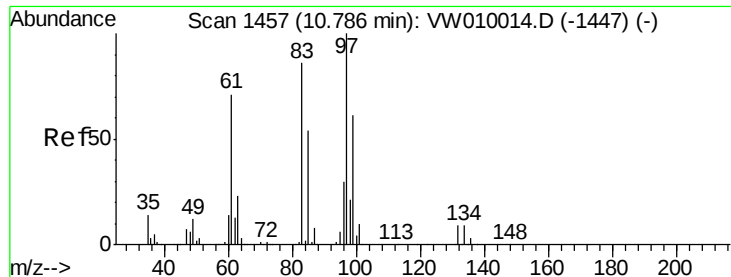
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 58.4 47.8 71.6

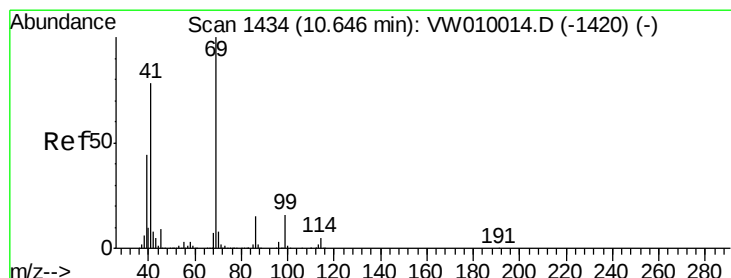
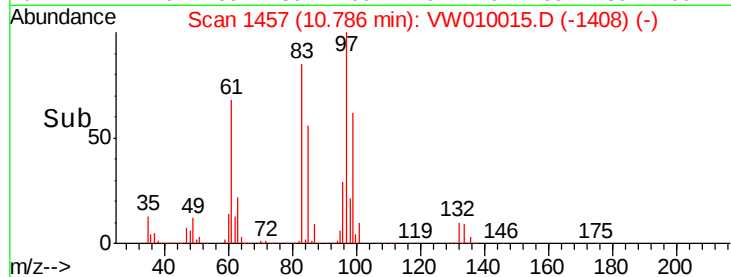
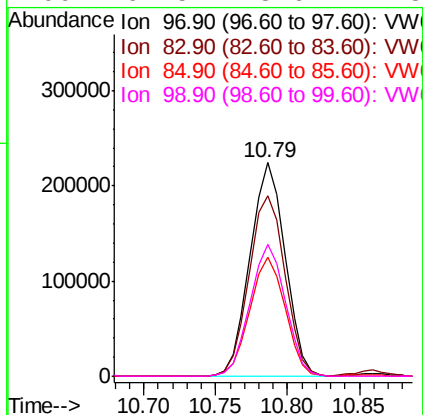
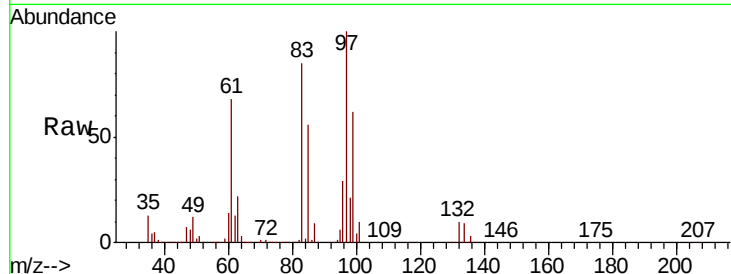




#55
 1,1,2-Trichloroethane
 Concen: 100.747 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

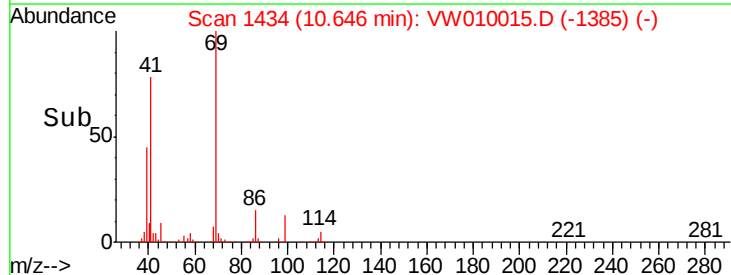
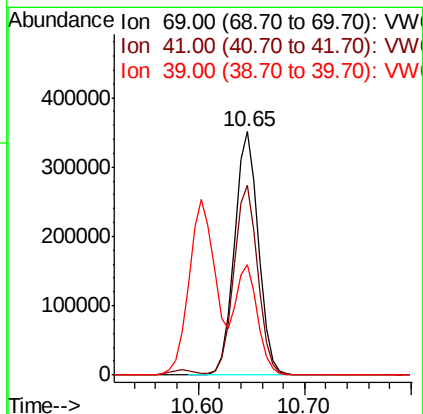
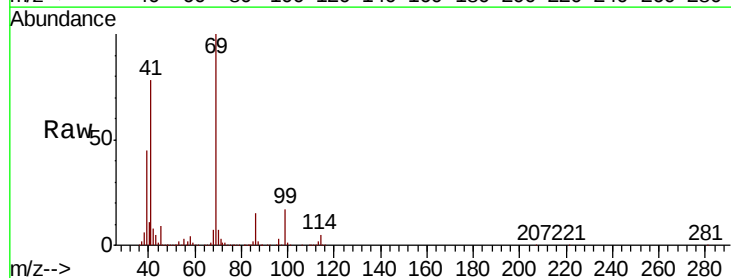
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

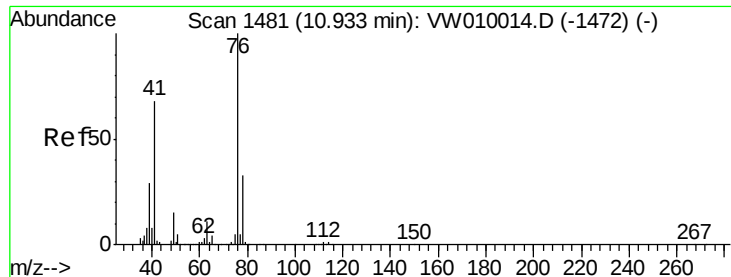
Tgt Ion:	97	Resp:	379044
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.9	103.3
85	55.6	42.9	64.3
99	61.5	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 117.953 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion:	69	Resp:	551695
Ion	Ratio	Lower	Upper
69	100		
41	78.3	61.0	91.6
39	41.5	33.8	50.6

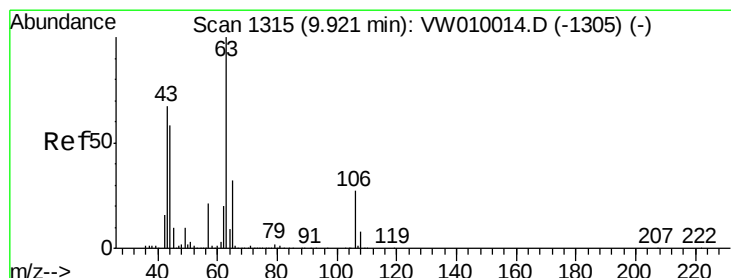
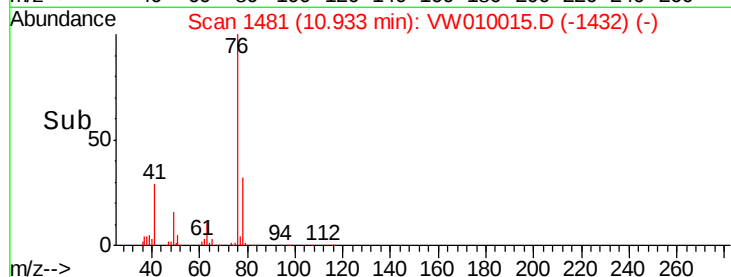
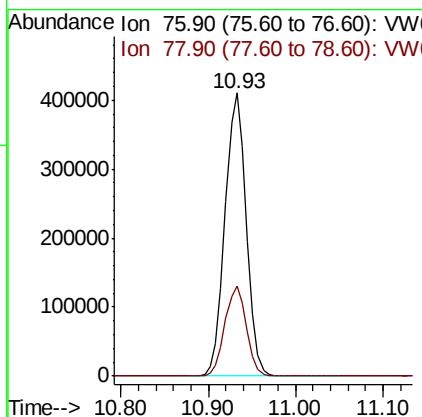
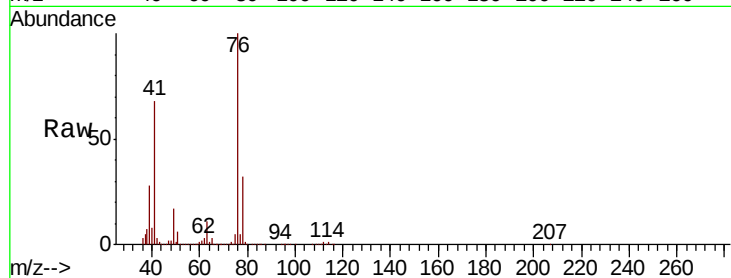




#57
 1,3-Dichloropropane
 Concen: 102.187 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

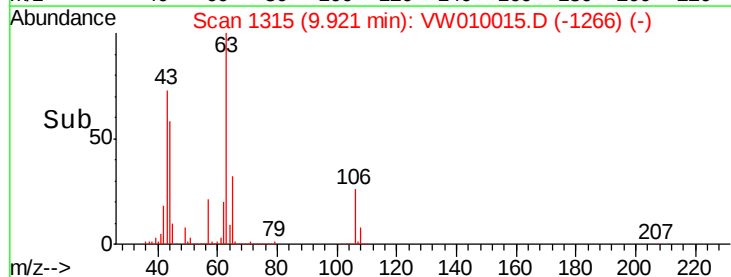
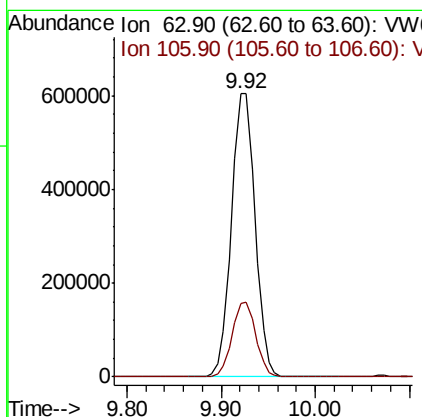
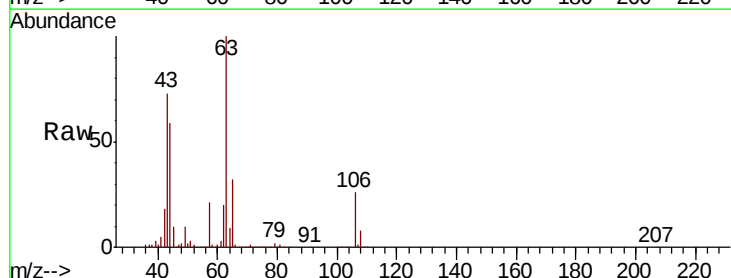
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

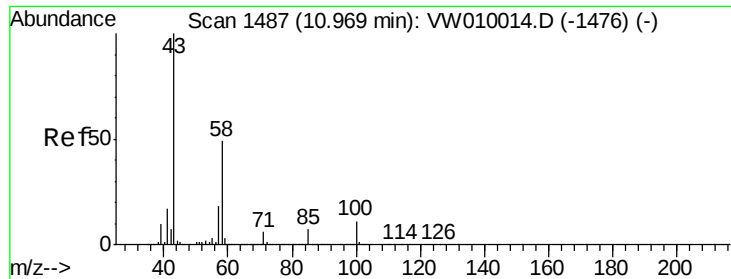
Tgt Ion: 76 Resp: 689094
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 469.526 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion: 63 Resp: 1055563
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.4 32.0

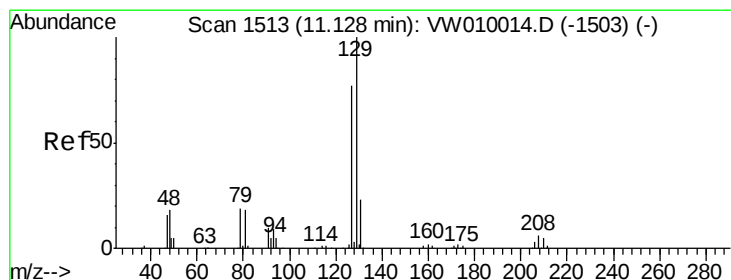
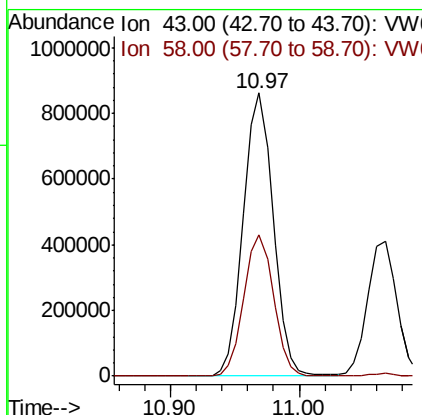
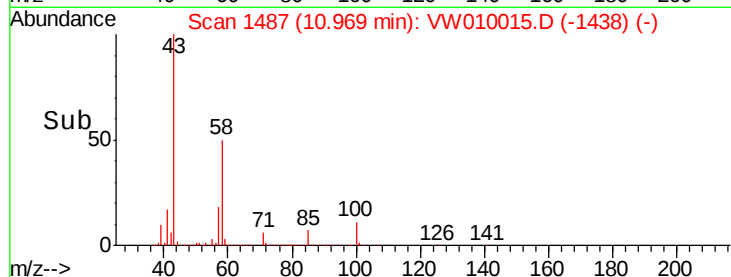
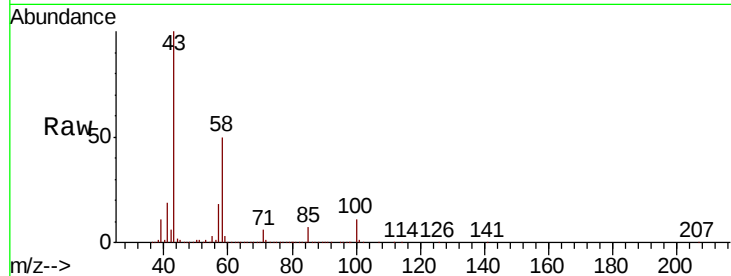




#59
2-Hexanone
Concen: 551.588 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

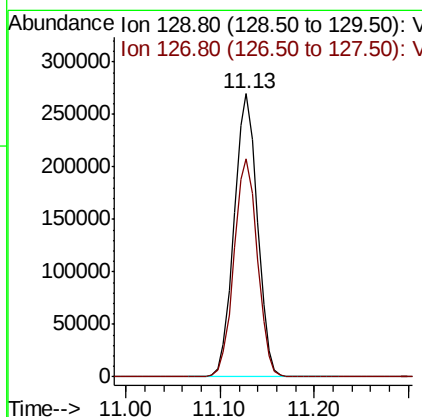
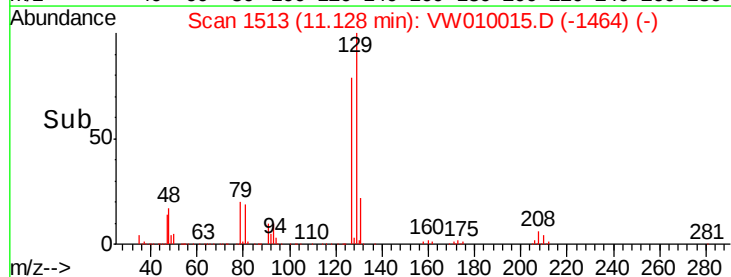
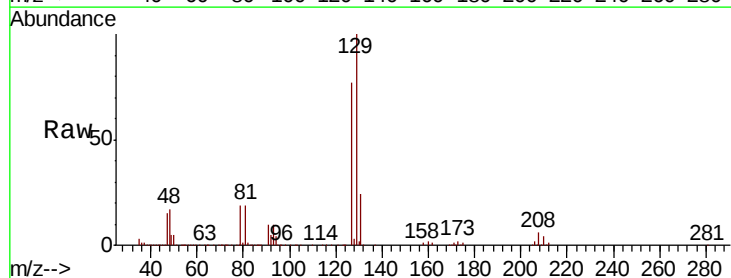
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

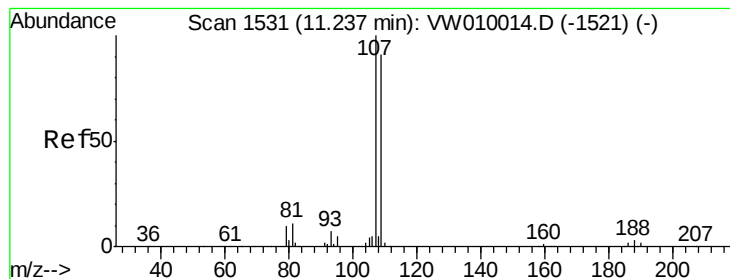
Tgt Ion: 43 Resp: 1385732
Ion Ratio Lower Upper
43 100
58 49.6 24.9 74.7



#60
Dibromochloromethane
Concen: 106.468 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 129 Resp: 462978
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 103.081 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

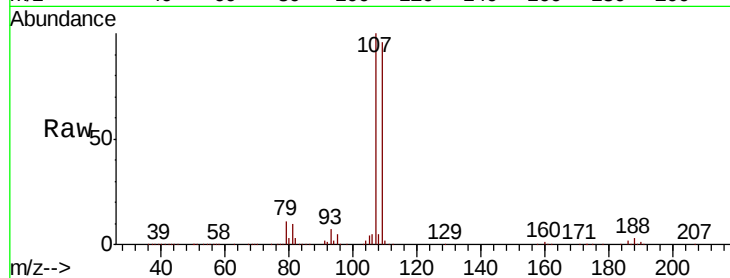
VSTDIC100

Tgt Ion: 107 Resp: 368929

Ion Ratio Lower Upper

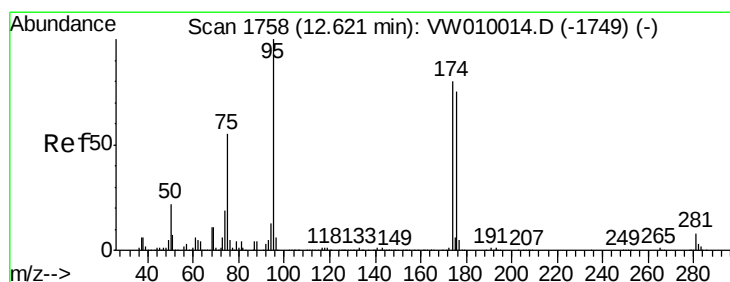
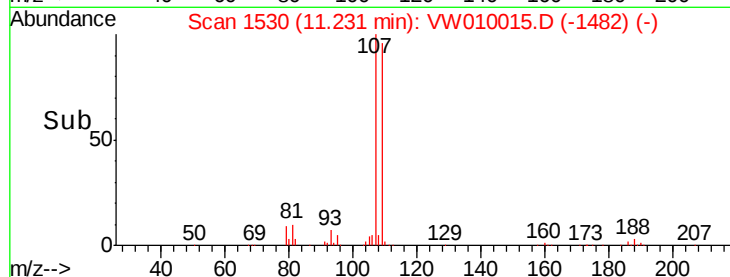
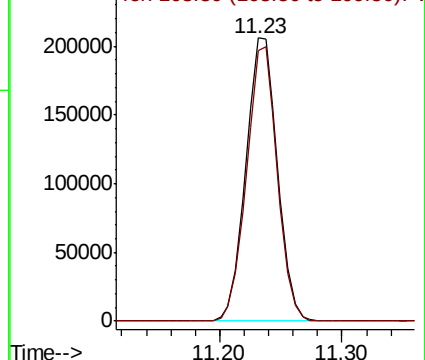
107 100

109 94.7 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 109.974 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

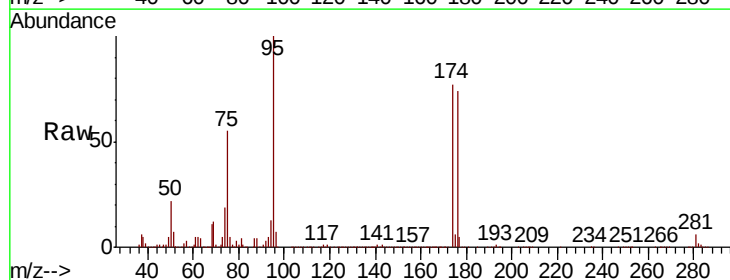
Tgt Ion: 95 Resp: 674665

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.4

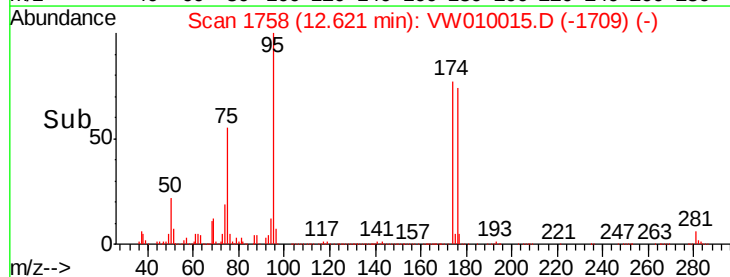
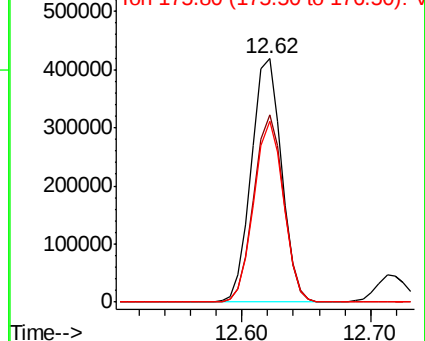
176 73.2 0.0 146.2

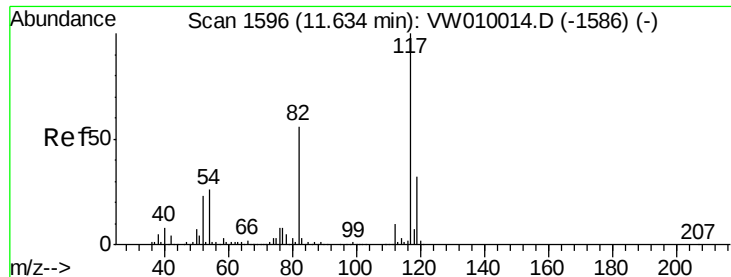


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

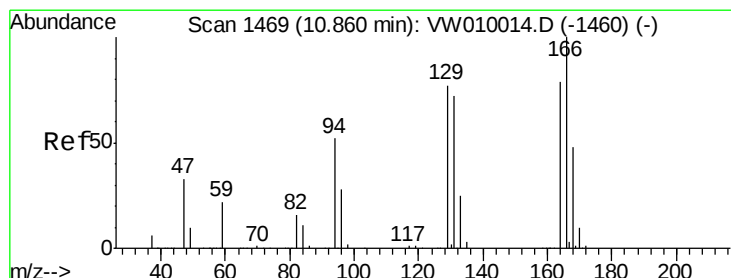
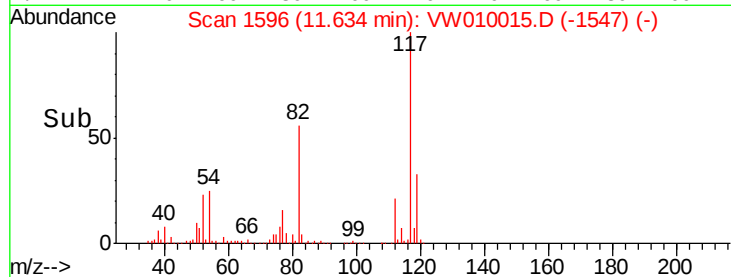
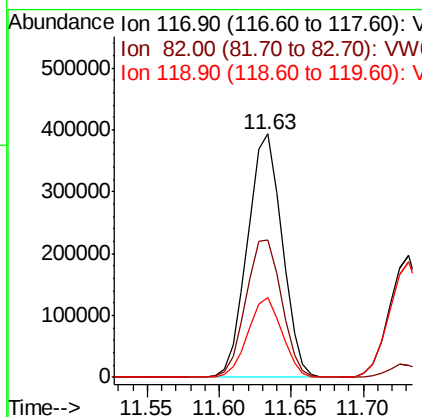
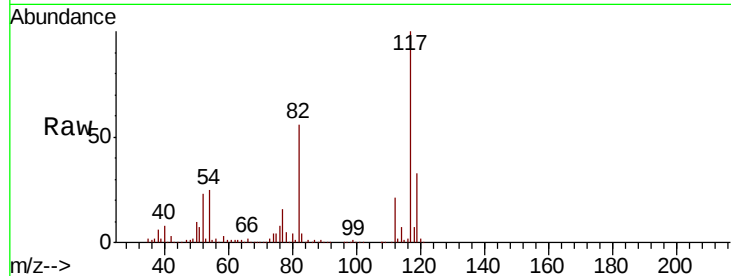




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

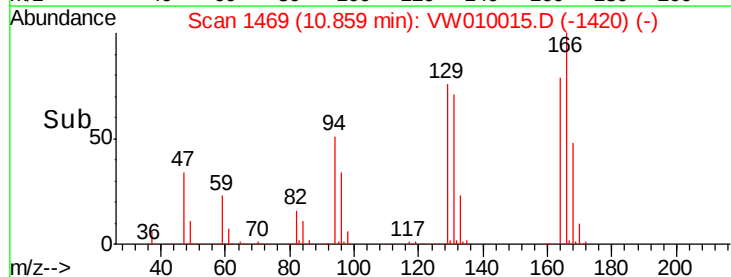
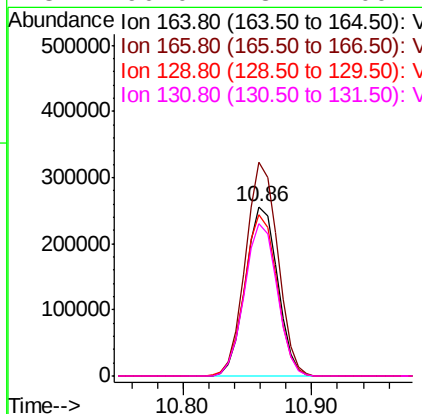
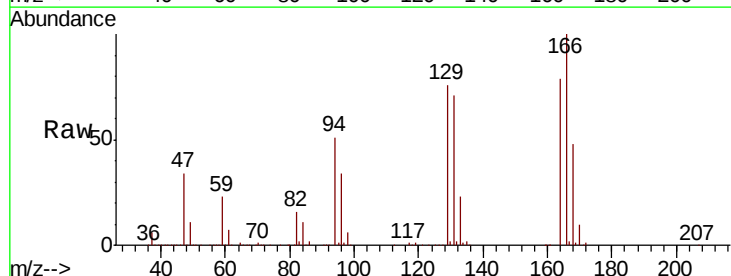
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

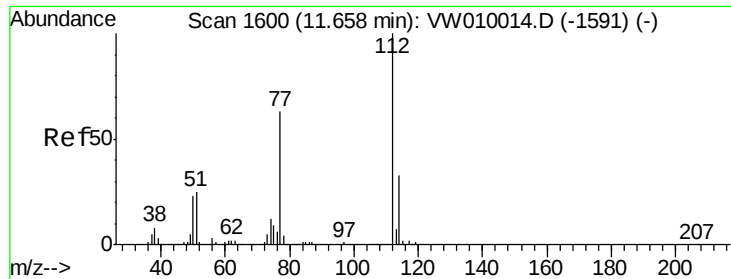
Tgt Ion:117 Resp: 656270
Ion Ratio Lower Upper
117 100
82 56.4 45.2 67.8
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 103.336 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:164 Resp: 440241
Ion Ratio Lower Upper
164 100
166 125.9 101.2 151.8
129 95.5 77.8 116.6
131 90.0 73.1 109.7

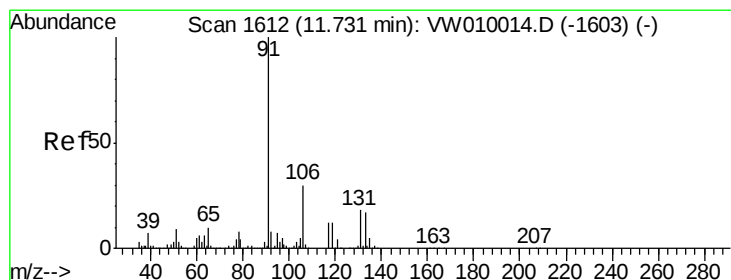
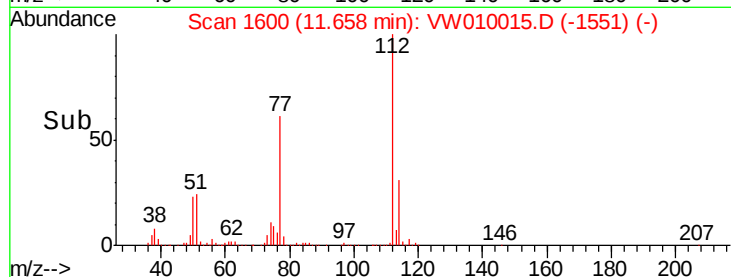
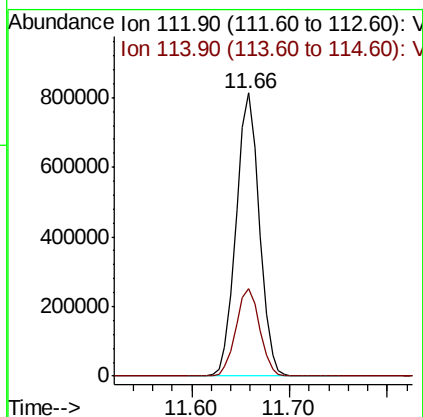
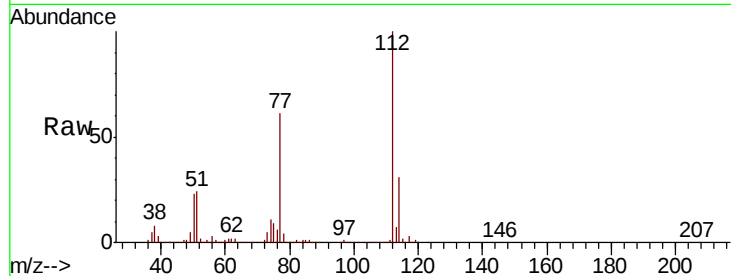




#65
Chlorobenzene
Concen: 99.938 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

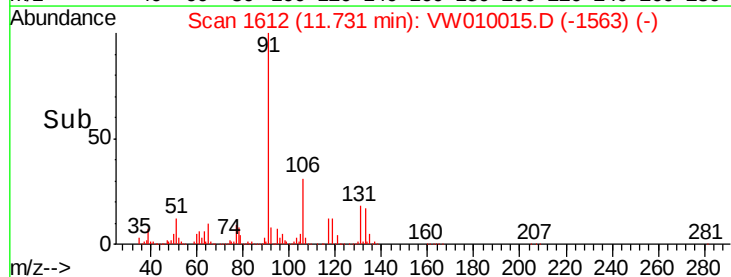
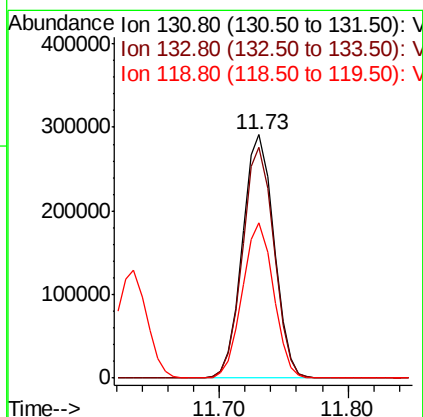
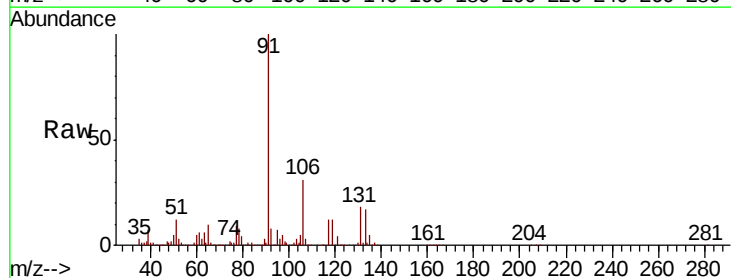
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

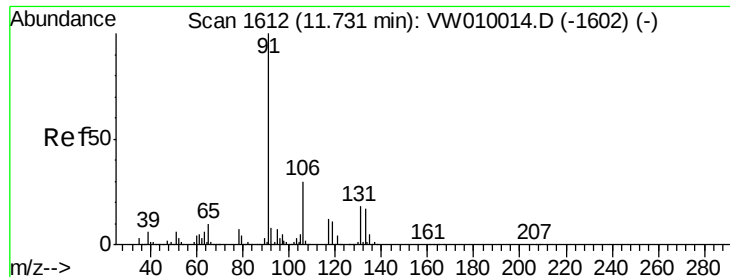
Tgt Ion:112 Resp: 1342381
Ion Ratio Lower Upper
112 100
114 31.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 102.473 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:131 Resp: 492221
Ion Ratio Lower Upper
131 100
133 94.6 46.5 139.5
119 63.4 31.9 95.5

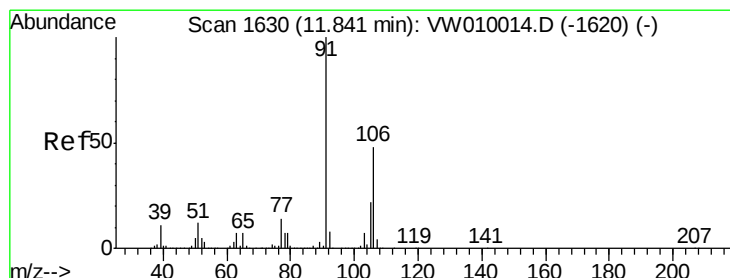
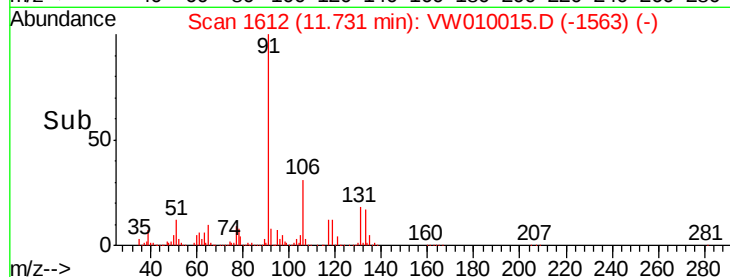
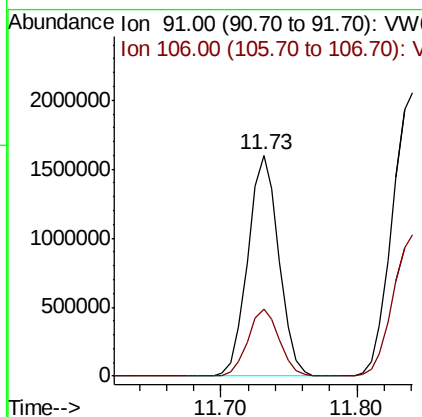
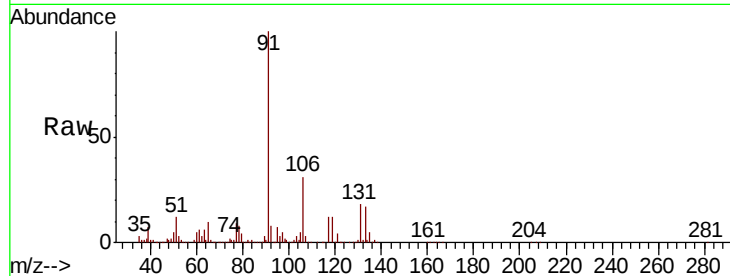




#67
Ethyl Benzene
Concen: 106.313 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

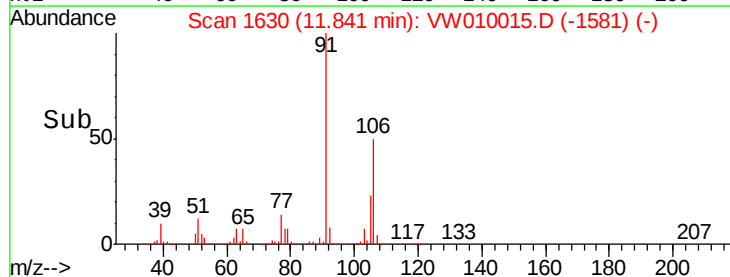
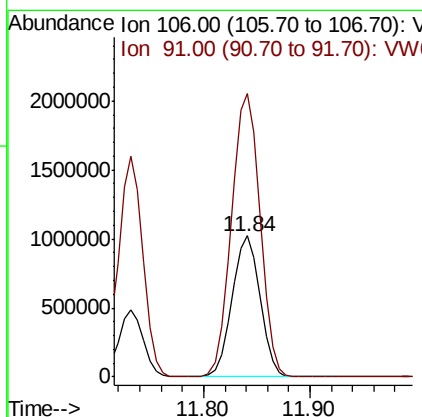
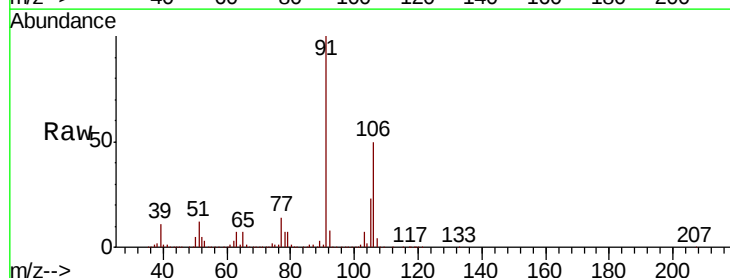
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

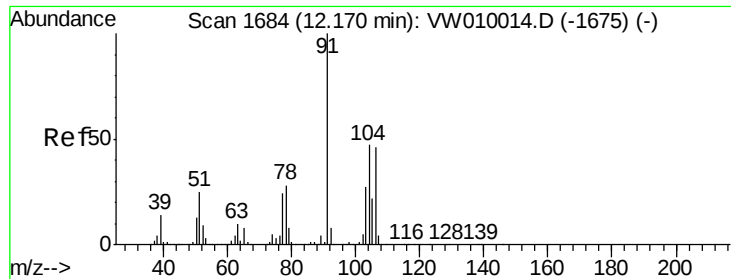
Tgt Ion: 91 Resp: 2547792
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.8



#68
m/p-Xylenes
Concen: 210.146 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 106 Resp: 1882540
Ion Ratio Lower Upper
106 100
91 205.8 165.0 247.6

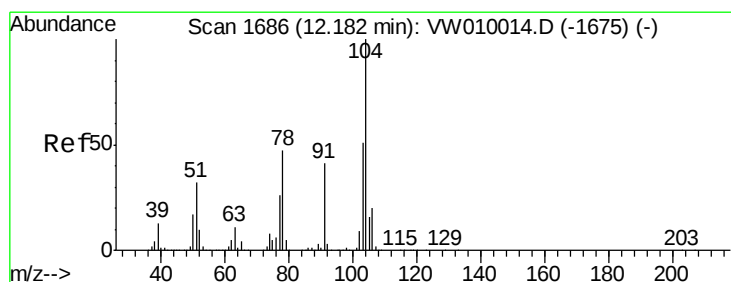
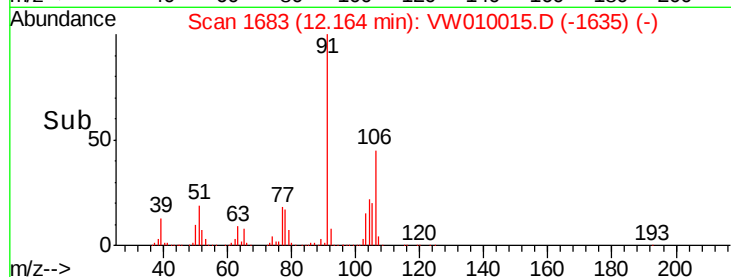
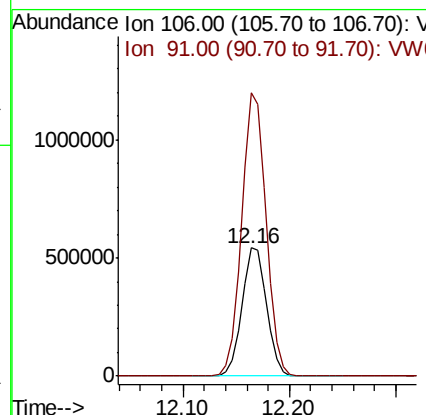
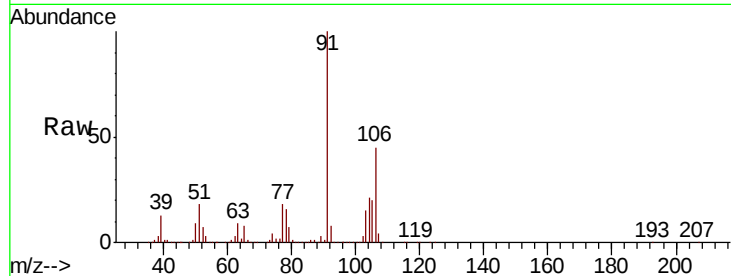




#69
o-Xylene
Concen: 108.276 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

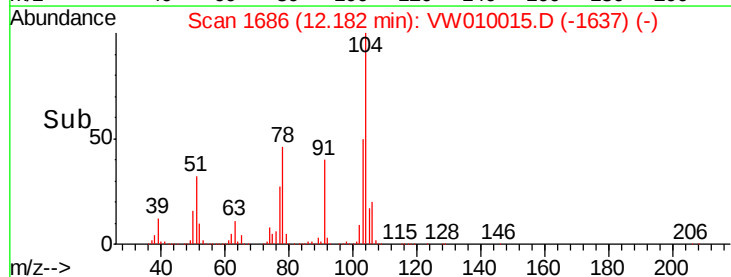
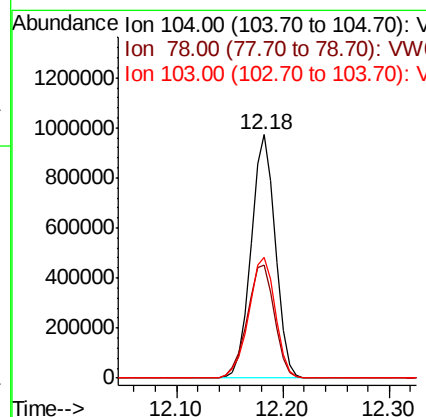
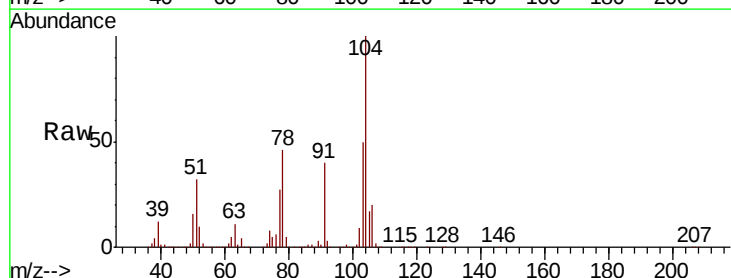
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

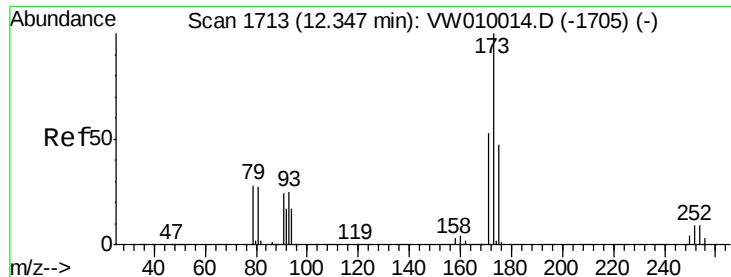
Tgt Ion:106 Resp: 883185
Ion Ratio Lower Upper
106 100
91 218.3 110.5 331.4



#70
Styrene
Concen: 110.782 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:104 Resp: 1558022
Ion Ratio Lower Upper
104 100
78 52.2 42.5 63.7
103 54.3 43.6 65.4





#71

Bromoform

Concen: 104.295 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

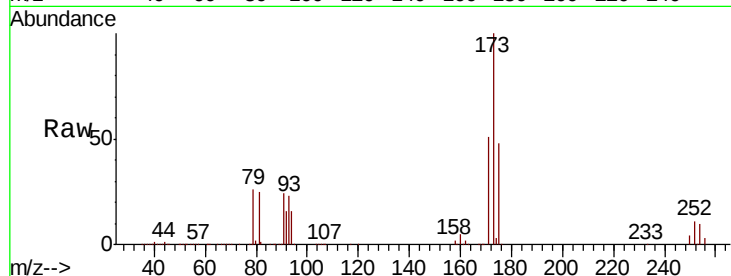
Tgt Ion:173 Resp: 264906

Ion Ratio Lower Upper

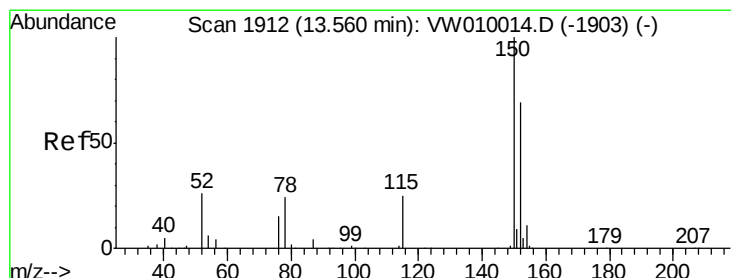
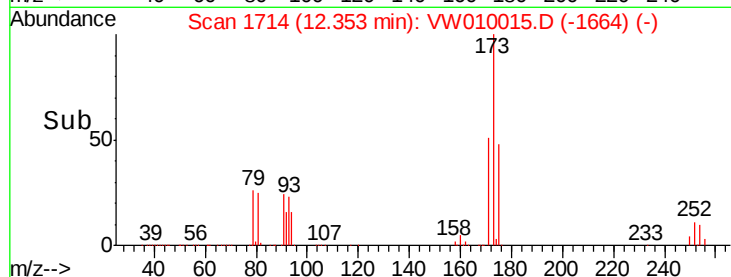
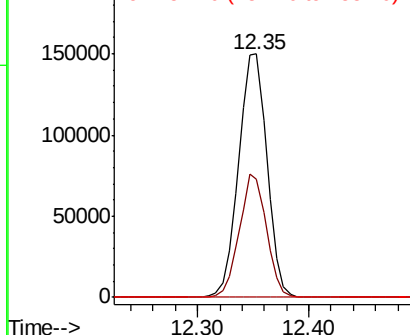
173 100

175 48.3 23.8 71.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

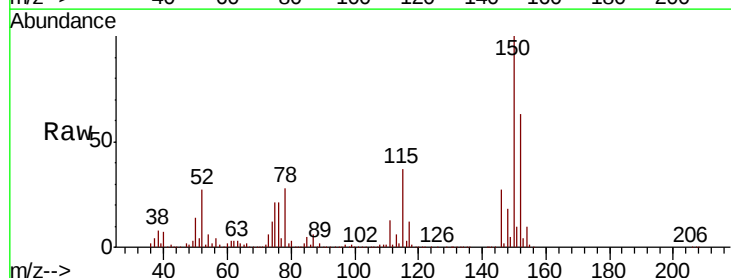
Tgt Ion:152 Resp: 327729

Ion Ratio Lower Upper

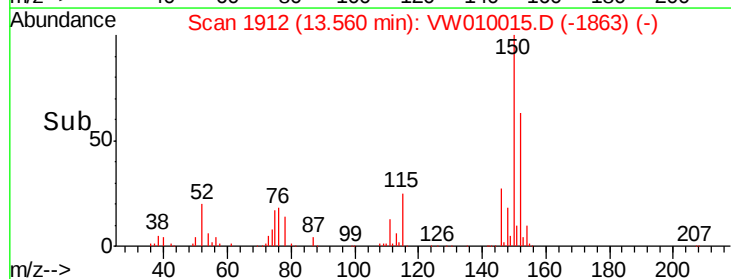
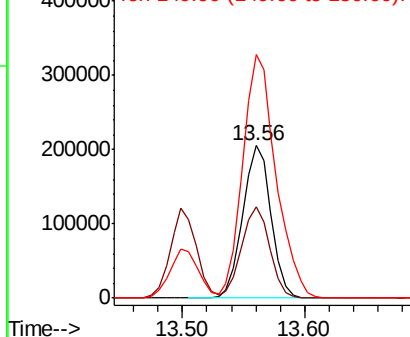
152 100

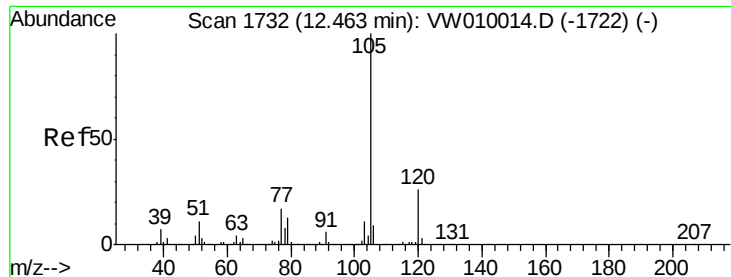
115 59.8 30.4 91.2

150 188.3 0.0 347.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 108.301 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

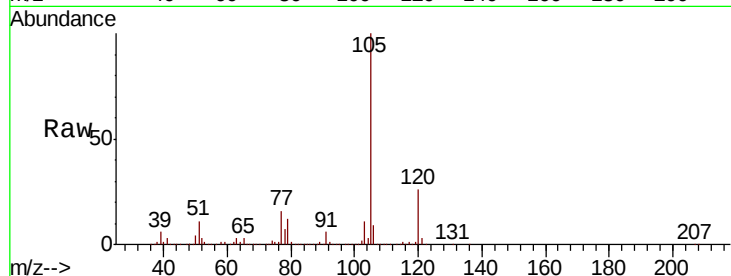
VSTDIC100

Tgt Ion:105 Resp: 2470265

Ion Ratio Lower Upper

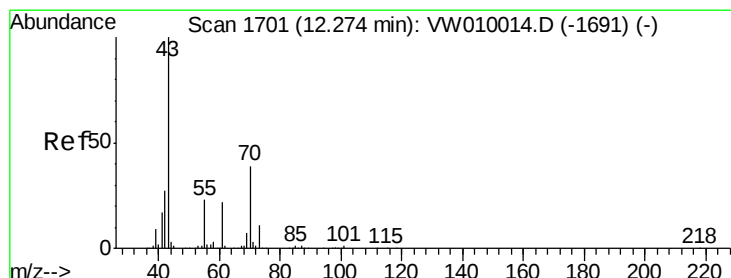
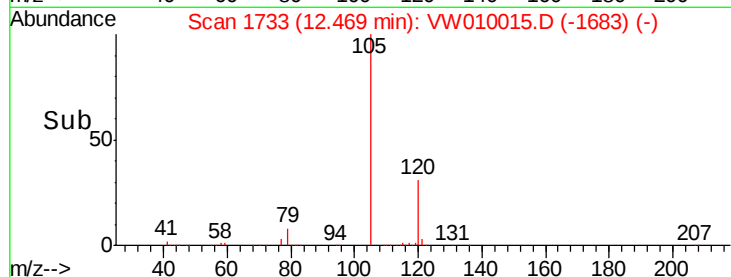
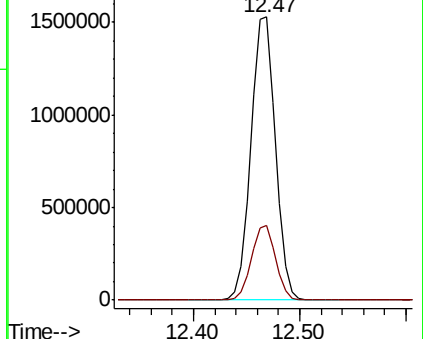
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 112.806 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion: 43 Resp: 712548

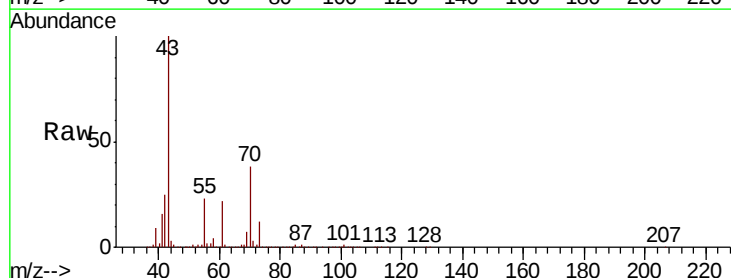
Ion Ratio Lower Upper

43 100

70 38.5 31.3 46.9

55 23.8 20.0 30.0

61 22.3 17.8 26.8

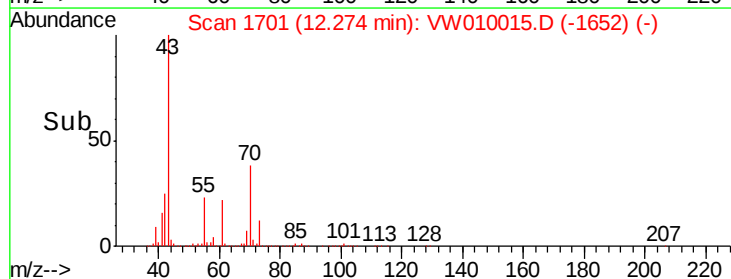
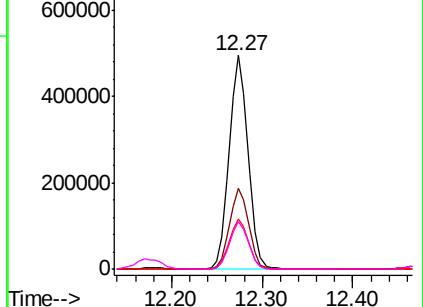


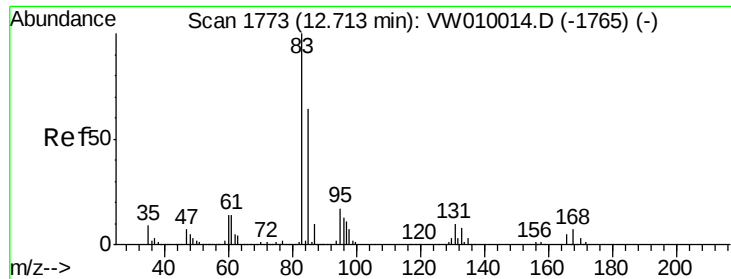
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 101.867 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

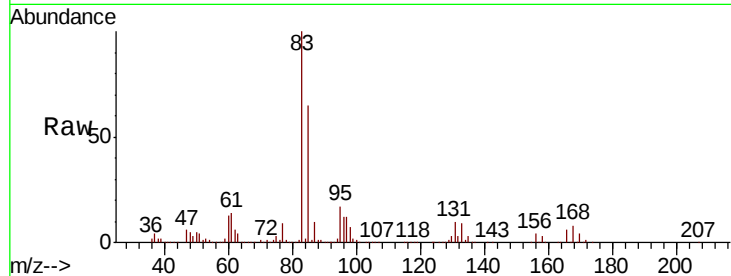
Tgt Ion: 83 Resp: 459050

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.8

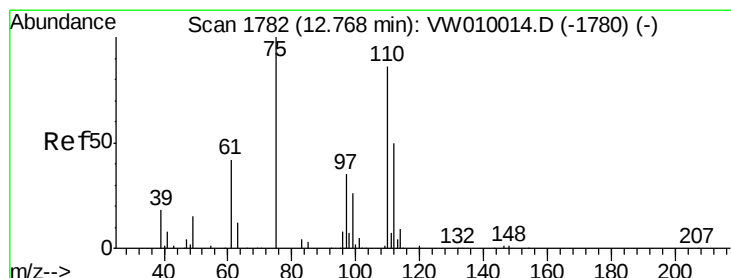
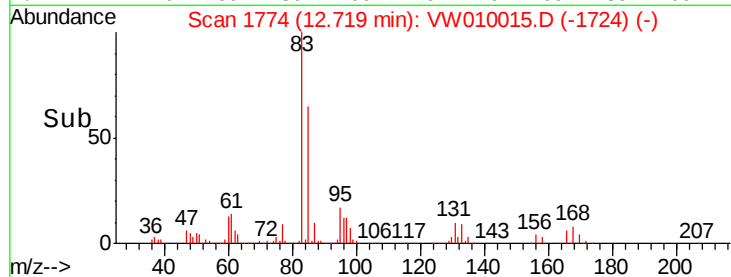
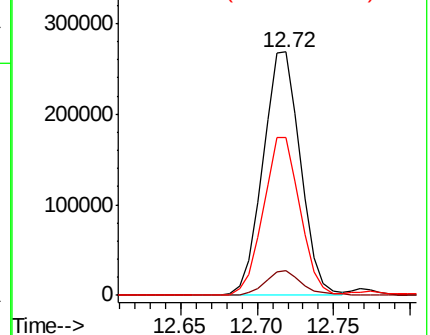
85 63.7 32.0 96.2



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: 159.253 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010015.D

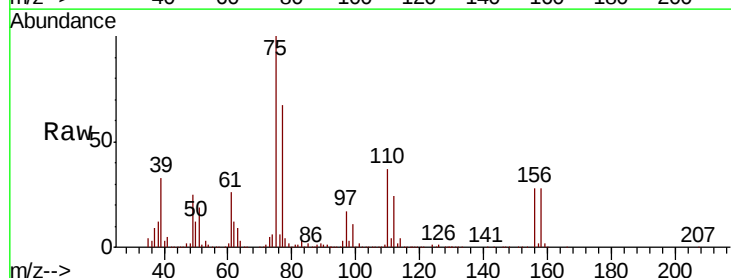
Acq: 17 Apr 2019 12:44

Tgt Ion: 75 Resp: 625676

Ion Ratio Lower Upper

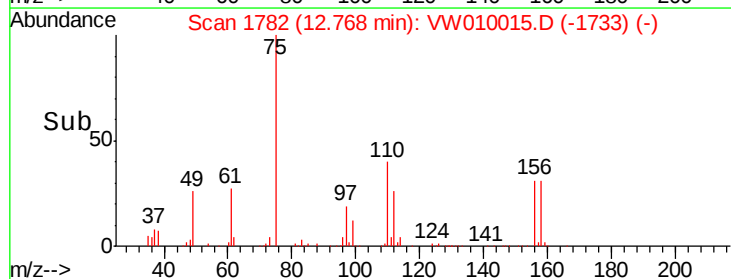
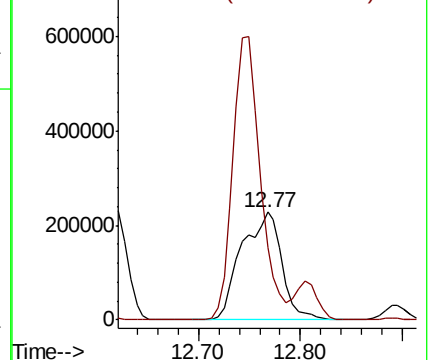
75 100

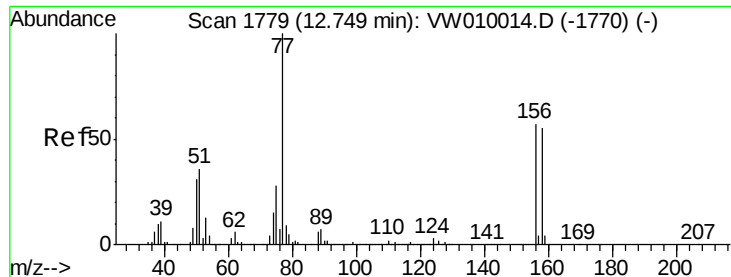
77 178.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 104.095 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

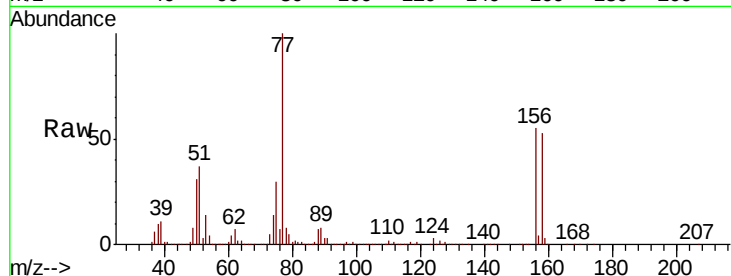
Tgt Ion:156 Resp: 546064

Ion Ratio Lower Upper

156 100

77 204.4 102.5 307.4

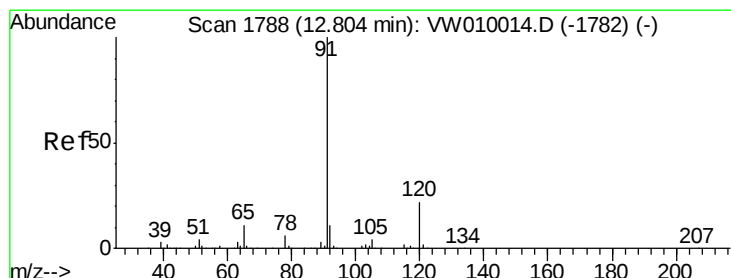
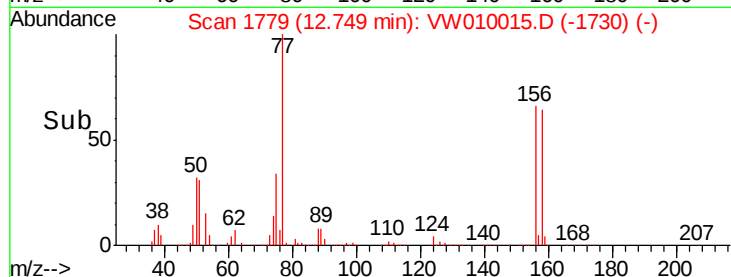
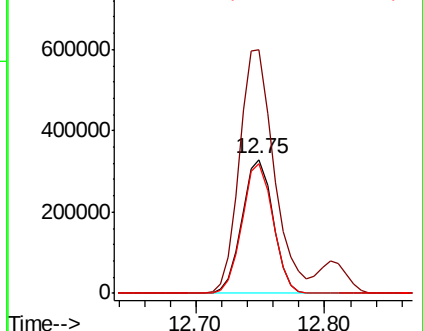
158 97.0 48.8 146.4



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: 106.219 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010015.D

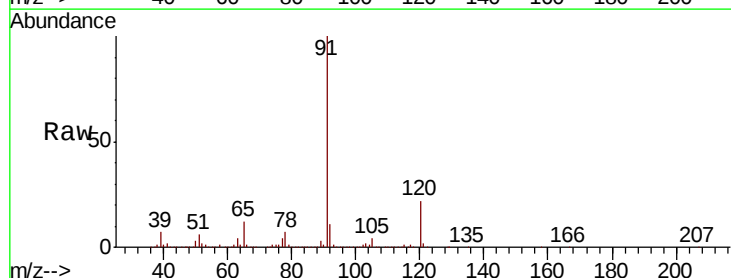
Acq: 17 Apr 2019 12:44

Tgt Ion: 91 Resp: 3002733

Ion Ratio Lower Upper

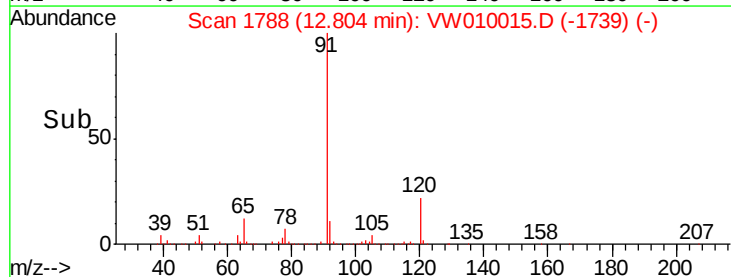
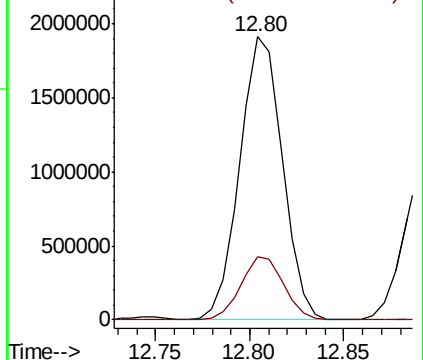
91 100

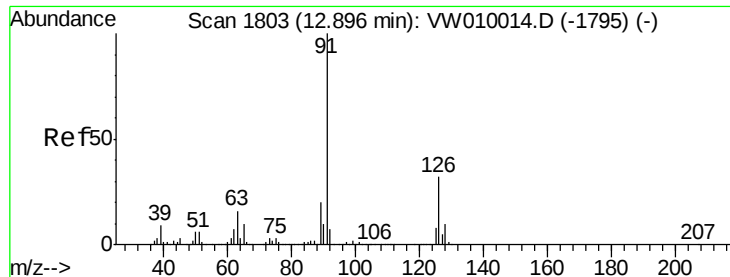
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 104.227 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

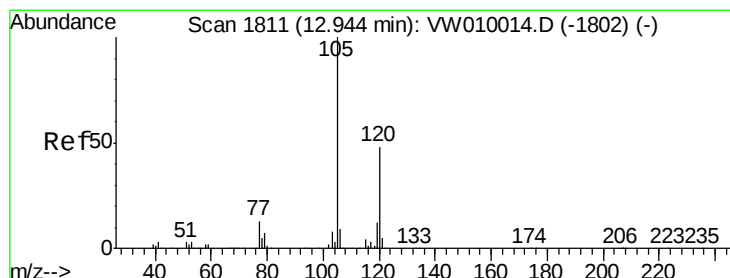
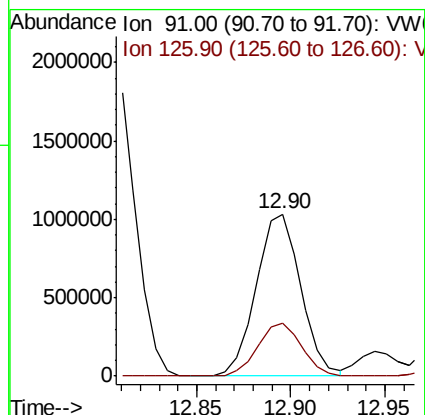
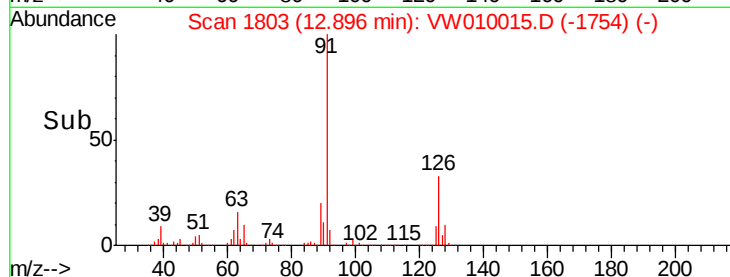
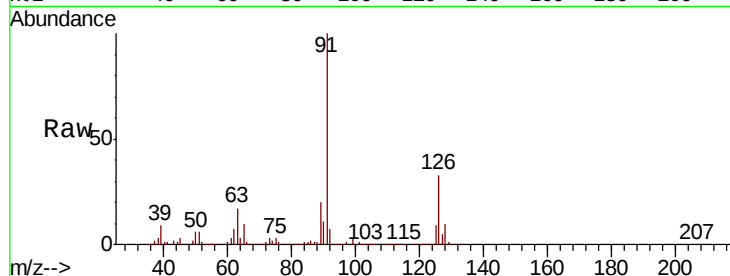
VSTDIC100

Tgt Ion: 91 Resp: 1694565

Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 107.354 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010015.D

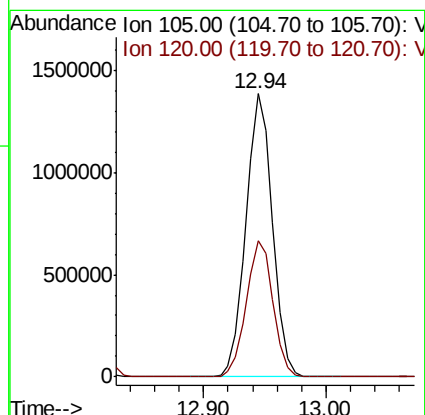
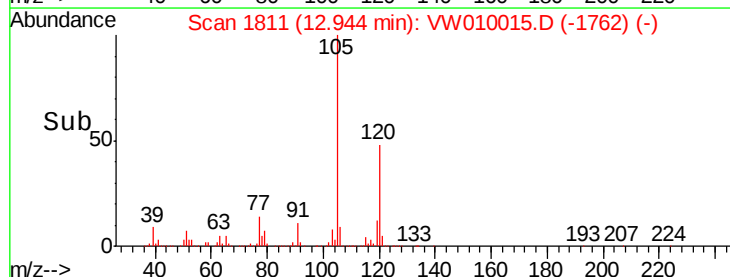
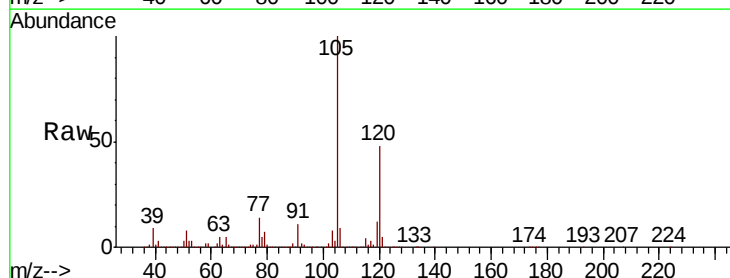
Acq: 17 Apr 2019 12:44

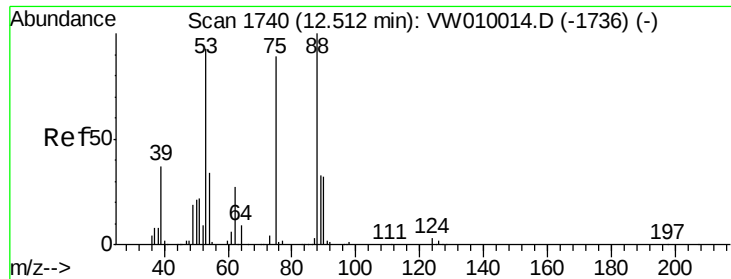
Tgt Ion: 105 Resp: 2076168

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 115.503 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

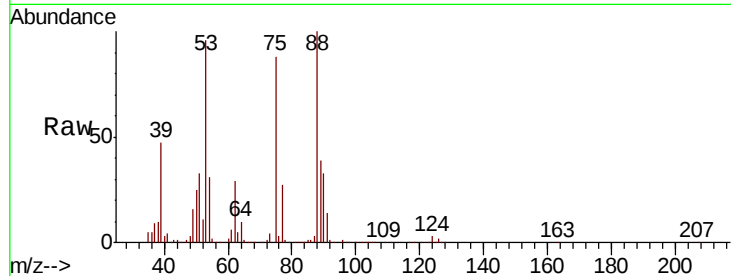
Tgt Ion: 75 Resp: 160673

Ion Ratio Lower Upper

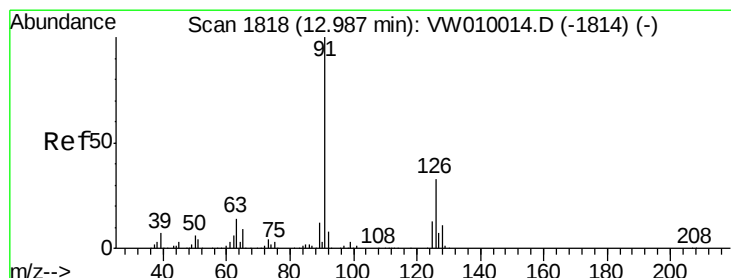
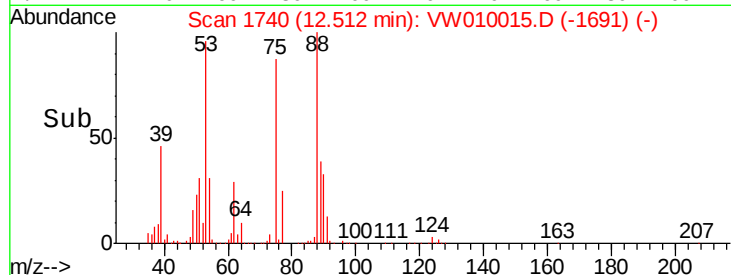
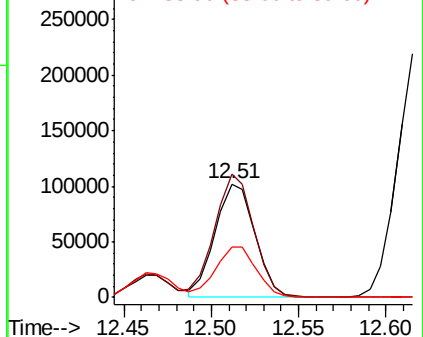
75 100

53 109.3 89.8 134.8

89 45.9 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 102.839 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010015.D

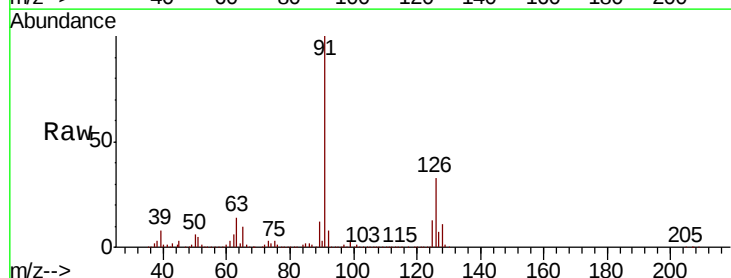
Acq: 17 Apr 2019 12:44

Tgt Ion: 91 Resp: 1759710

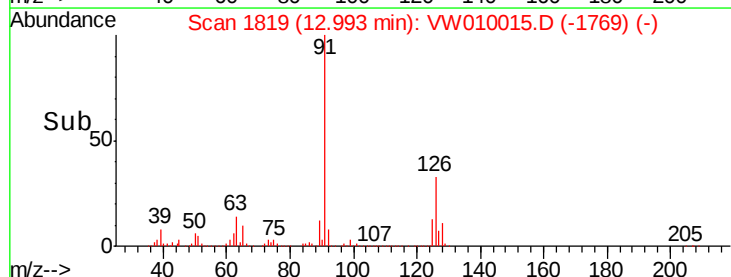
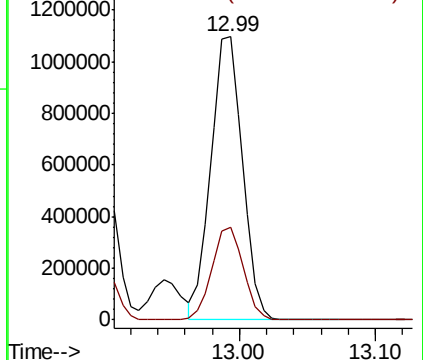
Ion Ratio Lower Upper

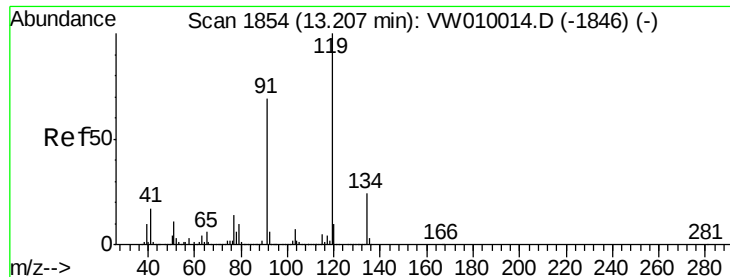
91 100

126 32.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 108.254 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

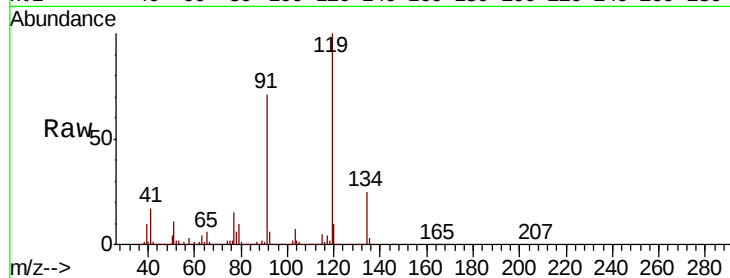
Tgt Ion:119 Resp: 1733716

Ion Ratio Lower Upper

119 100

91 70.1 34.8 104.4

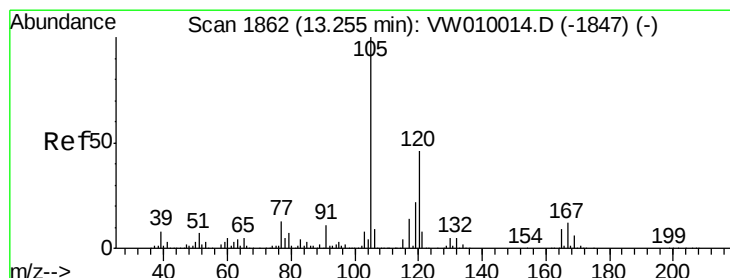
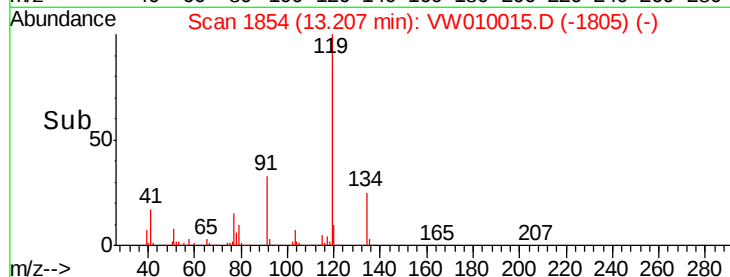
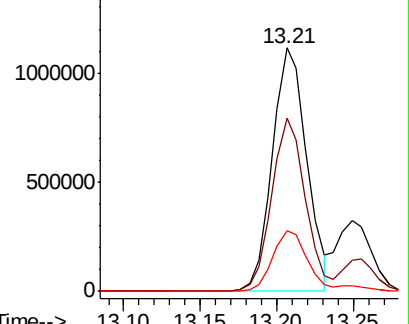
134 27.0 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 105.772 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010015.D

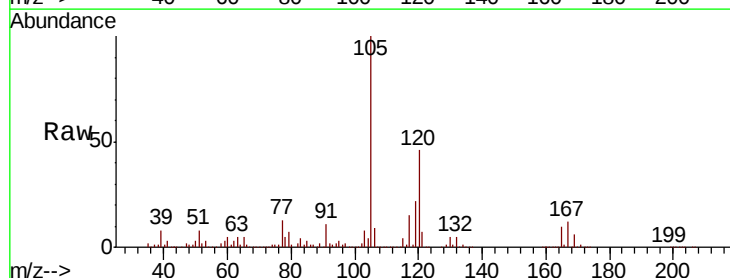
Acq: 17 Apr 2019 12:44

Tgt Ion:105 Resp: 2073946

Ion Ratio Lower Upper

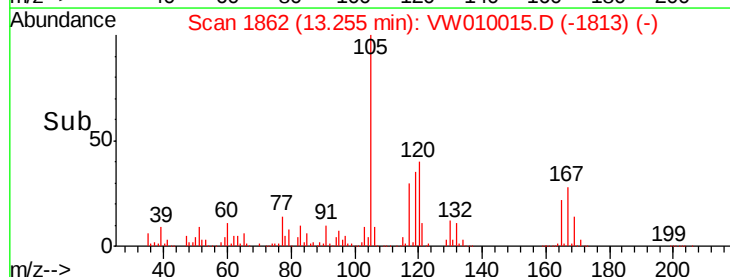
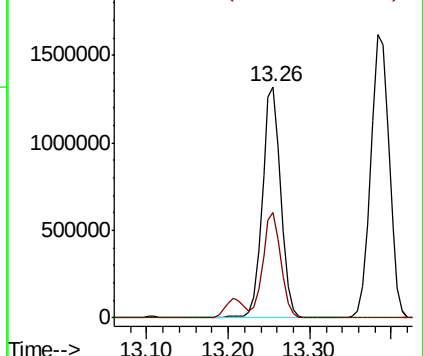
105 100

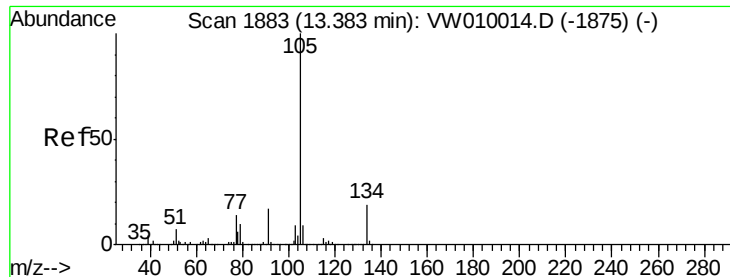
120 45.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

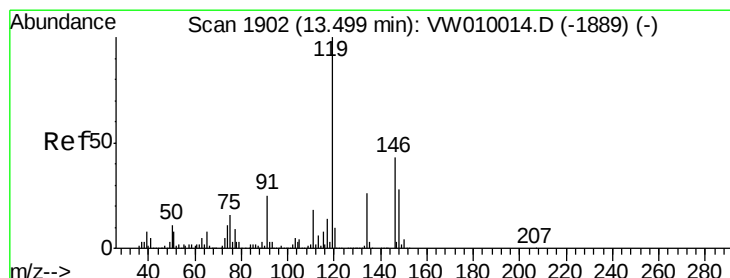
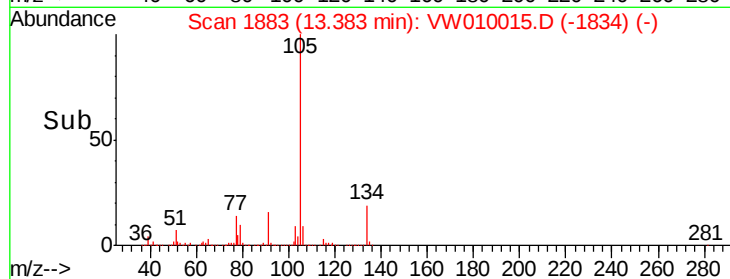
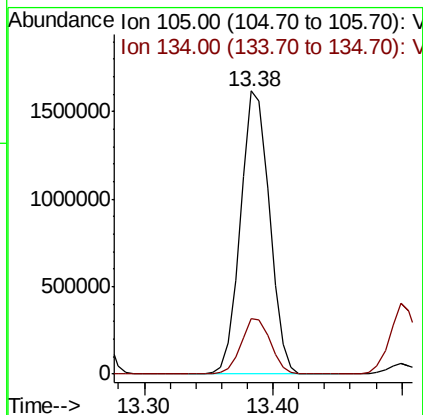
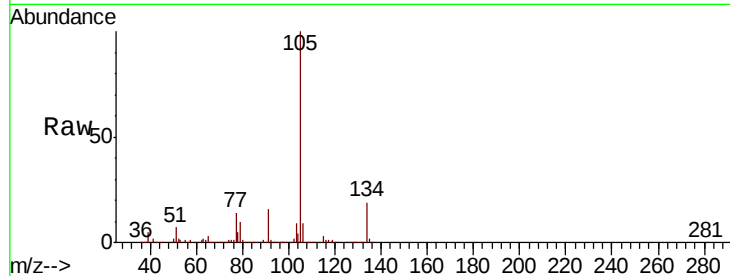




#85
 sec-Butylbenzene
 Concen: 104.815 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

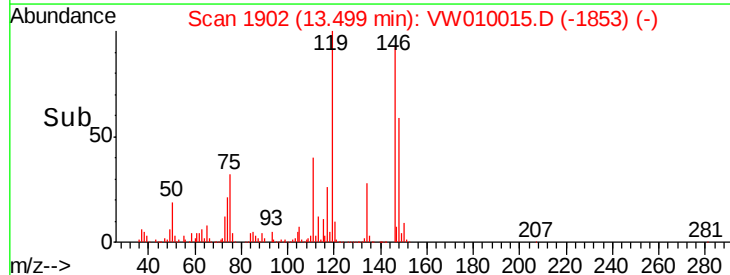
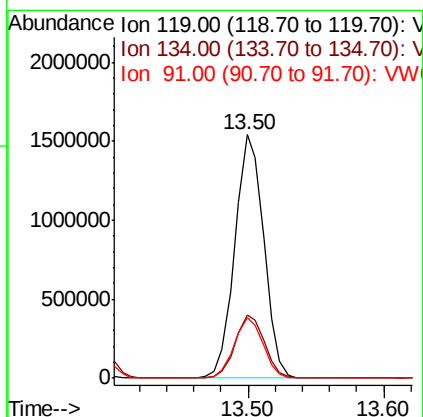
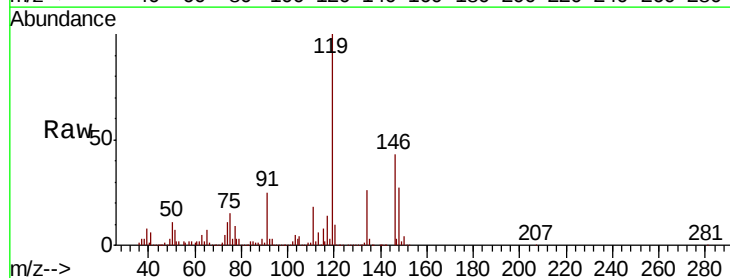
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

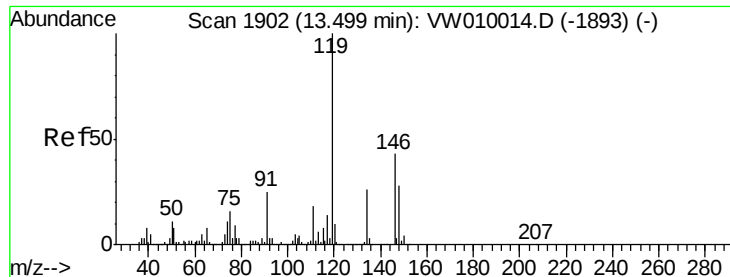
Tgt Ion:105 Resp: 2508564
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 107.658 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion:119 Resp: 2271021
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 24.6 12.3 36.9

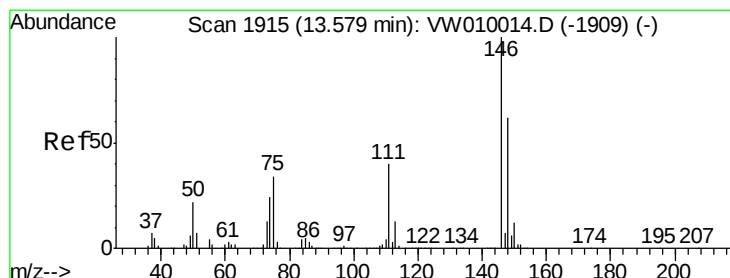
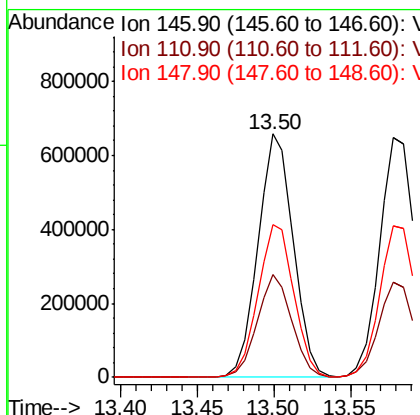
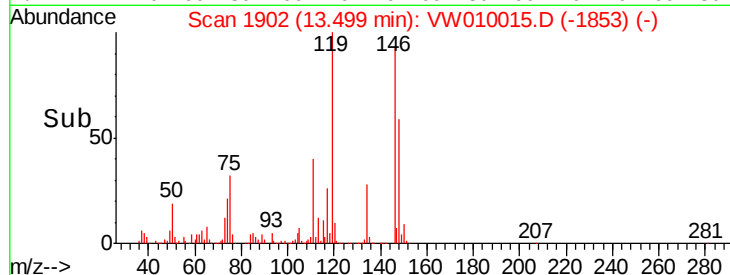
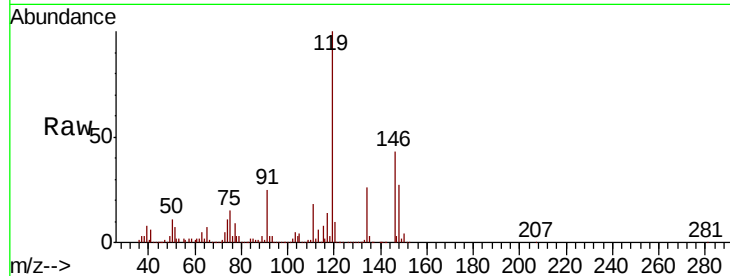




#87
 1,3-Dichlorobenzene
 Concen: 99.730 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

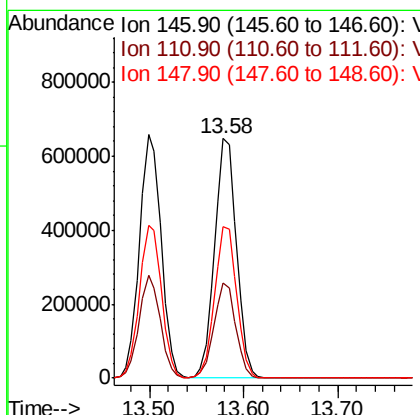
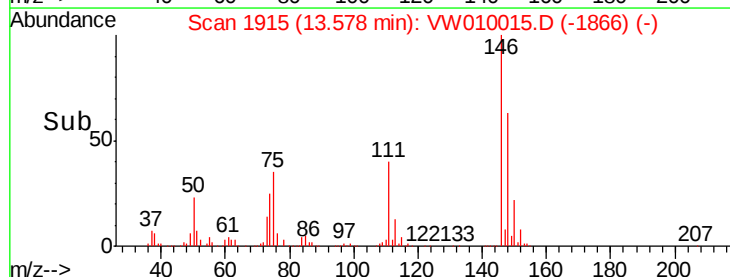
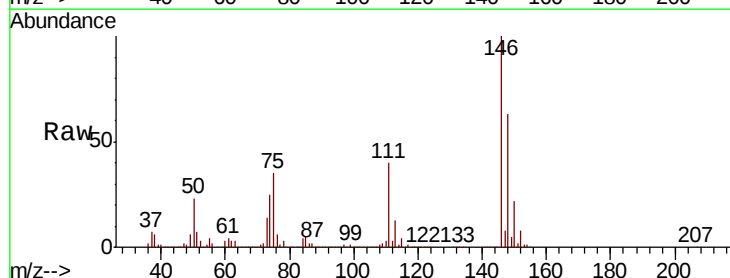
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

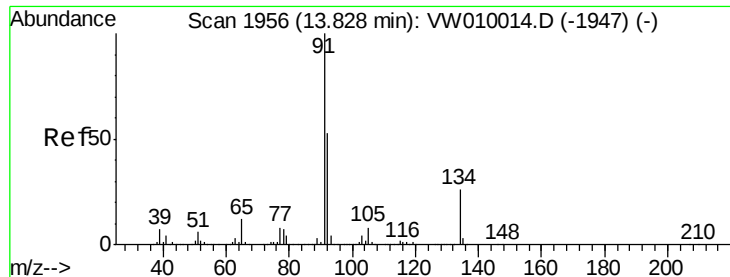
Tgt Ion:146 Resp: 1057553
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.3 61.0
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 98.553 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion:146 Resp: 1043143
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.1 60.3
 148 63.8 31.8 95.3





#89

n-Butylbenzene

Concen: 108.601 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

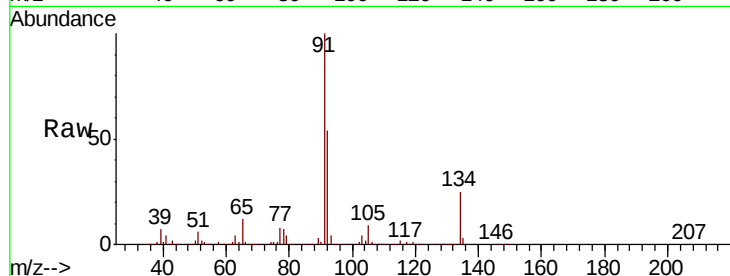
Tgt Ion: 91 Resp: 2269678

Ion Ratio Lower Upper

91 100

92 53.6 26.5 79.4

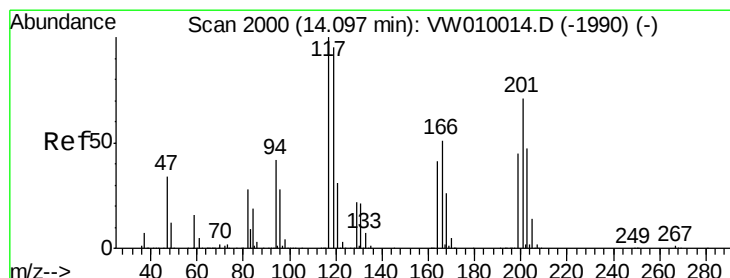
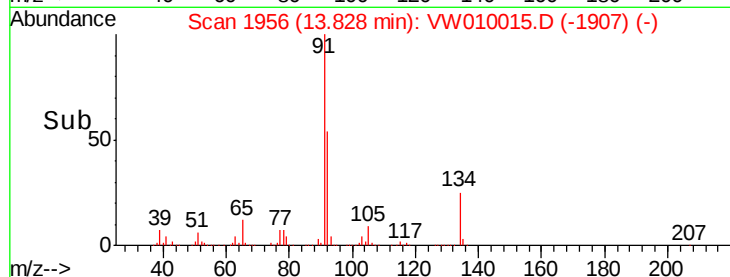
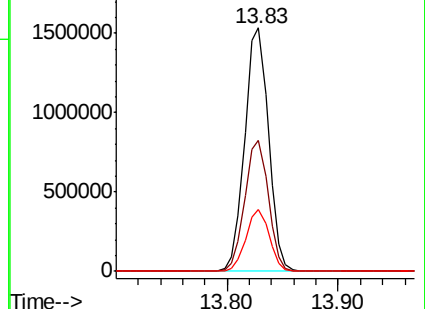
134 24.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 104.207 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010015.D

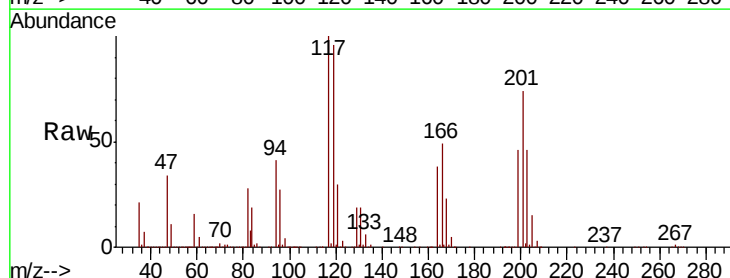
Acq: 17 Apr 2019 12:44

Tgt Ion: 117 Resp: 421029

Ion Ratio Lower Upper

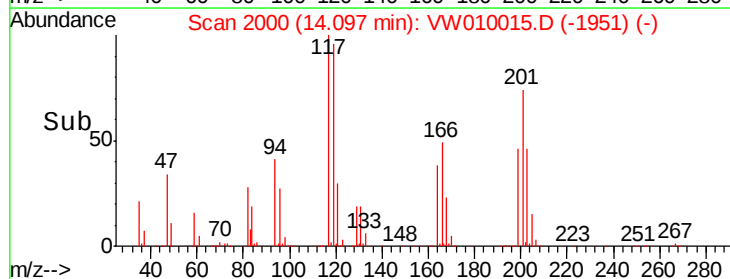
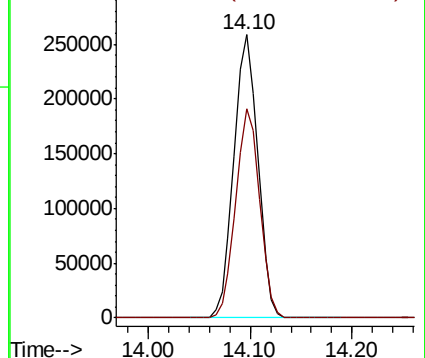
117 100

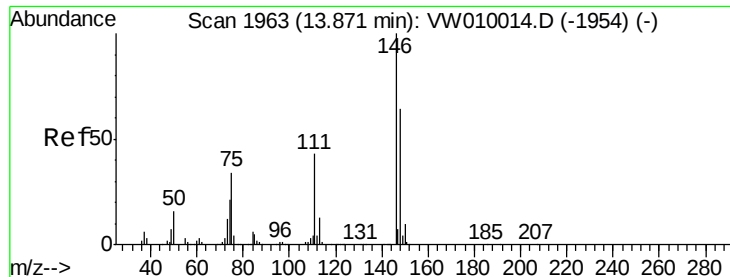
201 73.7 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 99.186 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

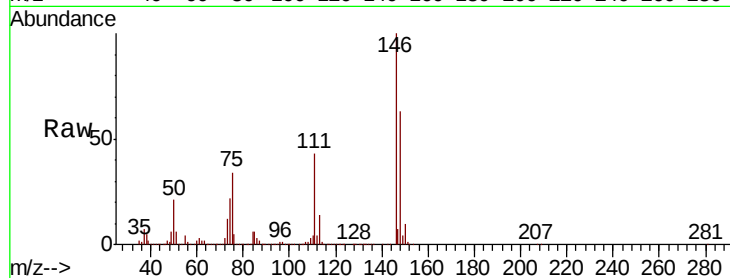
Tgt Ion:146 Resp: 943063

Ion Ratio Lower Upper

146 100

111 42.5 20.9 62.8

148 63.6 31.9 95.7

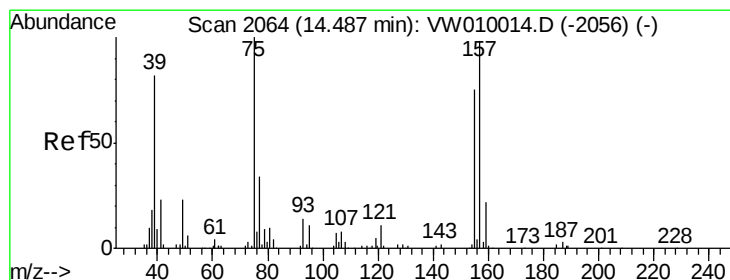
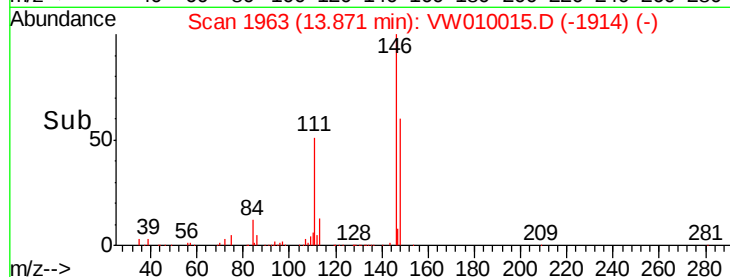
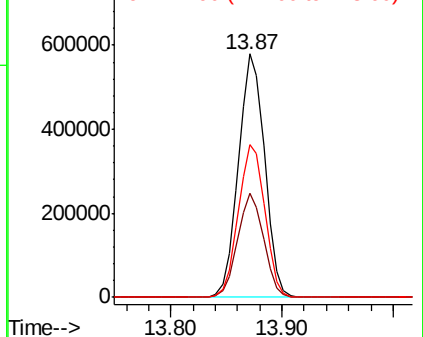


Abundance

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: 101.259 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

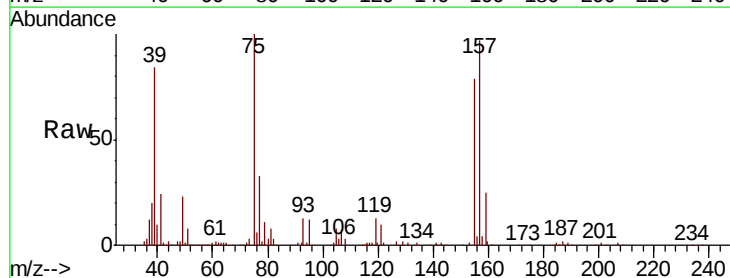
Tgt Ion: 75 Resp: 81660

Ion Ratio Lower Upper

75 100

155 77.0 37.1 111.5

157 96.8 47.3 141.9

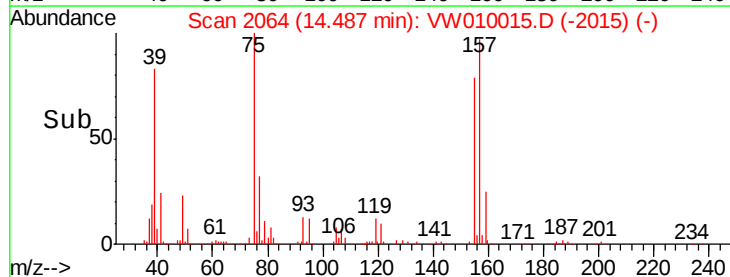
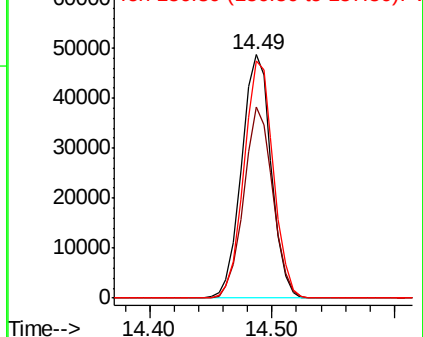


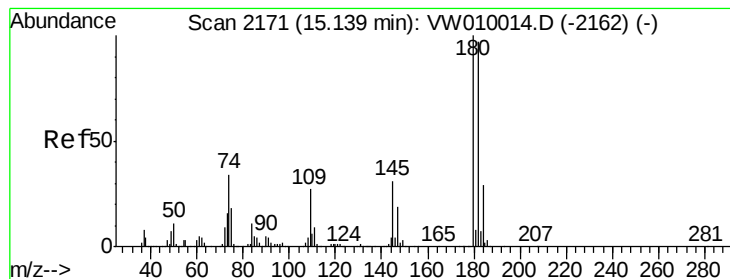
Abundance

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: 104.950 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

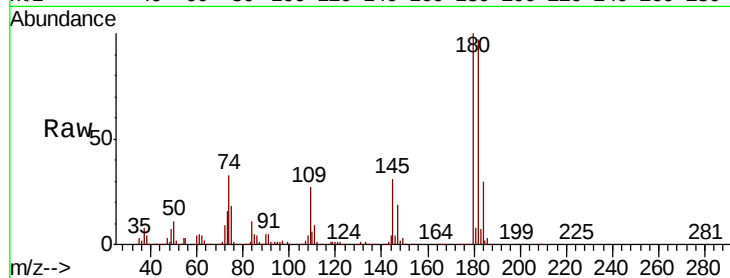
Tgt Ion:180 Resp: 658319

Ion Ratio Lower Upper

180 100

182 94.5 47.1 141.4

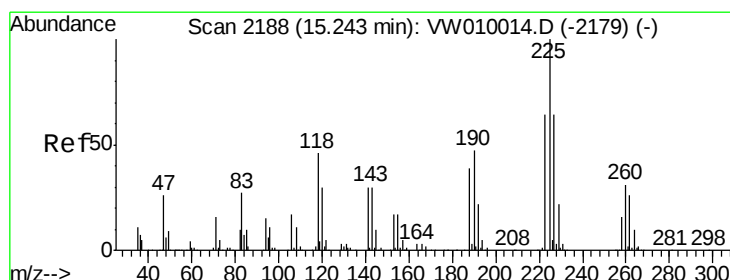
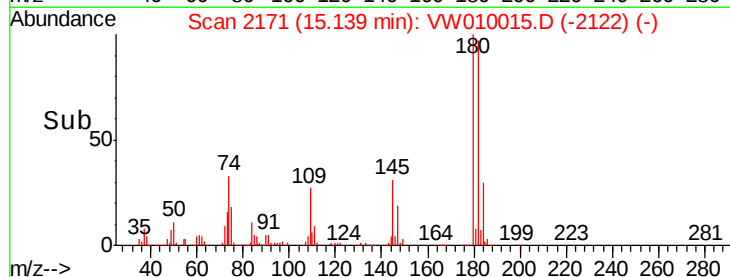
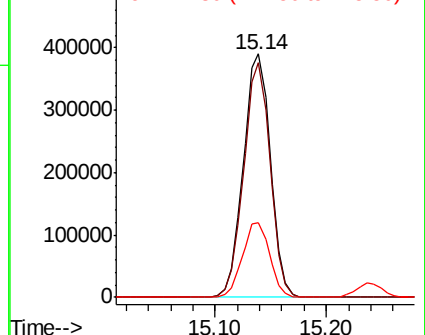
145 30.9 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 101.584 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

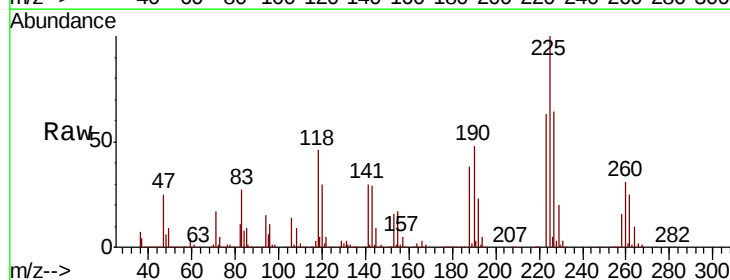
Tgt Ion:225 Resp: 386946

Ion Ratio Lower Upper

225 100

223 62.4 31.9 95.5

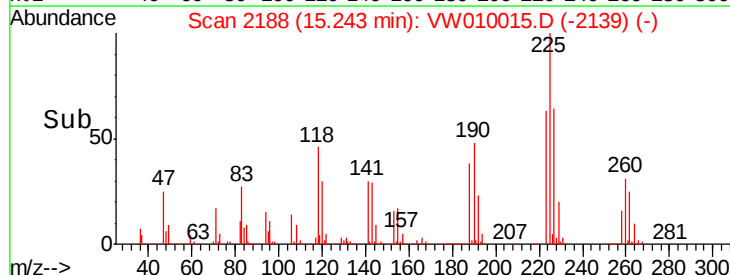
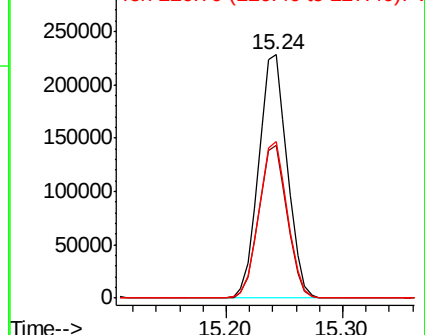
227 63.9 31.8 95.3

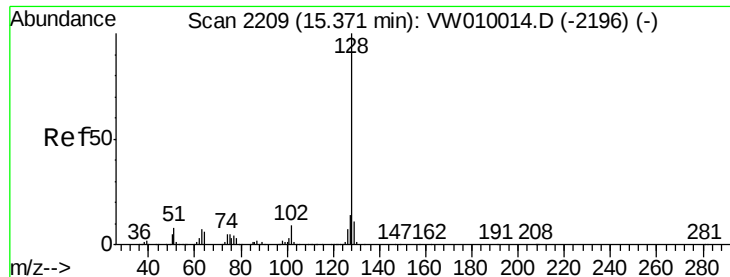


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

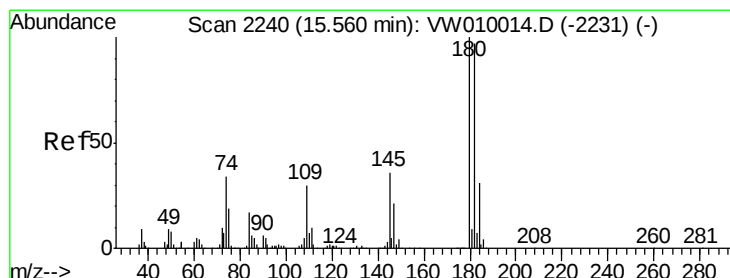
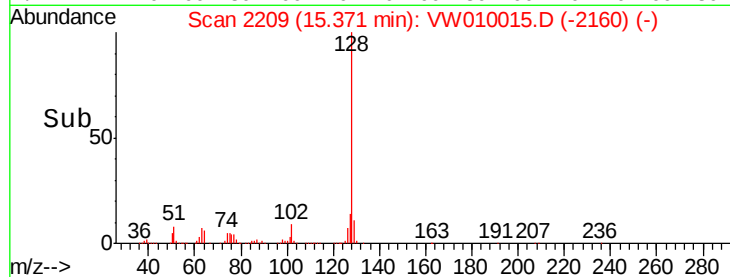
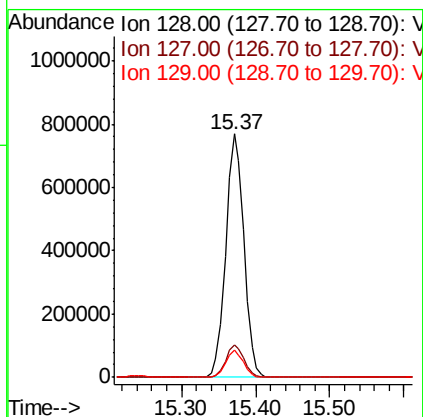
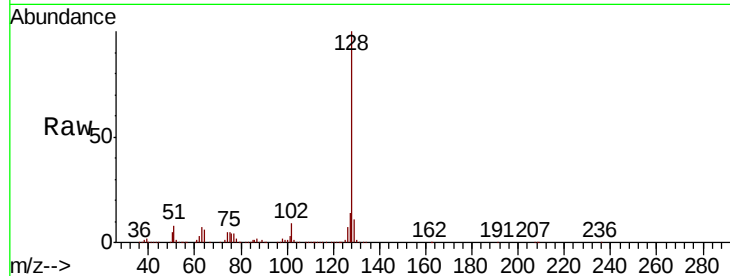




#95
Naphthalene
Concen: 115.654 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1302455
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 104.783 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:180 Resp: 570242
Ion Ratio Lower Upper
180 100
182 96.5 47.8 143.3
145 32.9 16.4 49.2

