

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010013.D
 Acq On : 17 Apr 2019 11:49
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 18 01:46:16 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	382764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	618943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	567440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	294642	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	99611	21.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.18%	
35) Dibromofluoromethane	7.88	113	82208	20.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.78%	
50) Toluene-d8	10.32	98	312594	21.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.40%	
62) 4-Bromofluorobenzene	12.62	95	111968	20.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	58400	20.351	ug/l	99
3) Chloromethane	2.21	50	55970	19.177	ug/l	96
4) Vinyl Chloride	2.37	62	69492	20.484	ug/l	98
5) Bromomethane	2.78	94	45323	19.879	ug/l	98
6) Chloroethane	2.92	64	46076	20.786	ug/l	99
7) Trichlorofluoromethane	3.26	101	45466	19.383	ug/l	96
8) Diethyl Ether	3.67	74	37791	19.369	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80041	20.819	ug/l	99
10) Methyl Iodide	4.26	142	109227	20.025	ug/l	100
11) Tert butyl alcohol	5.18	59	26410	98.445	ug/l	99
12) 1,1-Dichloroethene	4.03	96	75444	19.938	ug/l	97
13) Acrolein	3.89	56	26672	94.229	ug/l	100
14) Allyl chloride	4.66	41	133344	19.821	ug/l	98
15) Acrylonitrile	5.37	53	98644	98.240	ug/l	99
16) Acetone	4.12	43	106022	96.739	ug/l	95
17) Carbon Disulfide	4.38	76	204616	19.713	ug/l	99
18) Methyl Acetate	4.67	43	48055	18.946	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	95571	19.445	ug/l	100
20) Methylene Chloride	4.91	84	92557	18.357	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	81621	19.919	ug/l	99
22) Diisopropyl ether	6.31	45	286502	20.995	ug/l	99
23) Vinyl Acetate	6.26	43	867774	101.018	ug/l	100
24) 1,1-Dichloroethane	6.21	63	166613	20.425	ug/l	99
25) 2-Butanone	7.17	43	138970	96.530	ug/l	97
26) 2,2-Dichloropropane	7.17	77	94680	20.978	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	88848	19.716	ug/l	99
28) Bromochloromethane	7.51	49	72069	21.618	ug/l	93
29) Tetrahydrofuran	7.53	42	88984	97.547	ug/l	98
30) Chloroform	7.67	83	167719	20.519	ug/l	99
31) Cyclohexane	7.95	56	151996	19.898	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	133070	20.737	ug/l	99
36) 1,1-Dichloropropene	8.08	75	127309	20.136	ug/l	99
37) Ethyl Acetate	7.25	43	61837	19.248	ug/l	98
38) Carbon Tetrachloride	8.07	117	124565	20.187	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140345	19.727	ug/l	96
40) Benzene	8.32	78	349554	20.221	ug/l	97
41) Methacrylonitrile	7.49	41	35597	19.441	ug/l	98
42) 1,2-Dichloroethane	8.40	62	118470	19.941	ug/l	99
43) Isopropyl Acetate	8.43	43	116480	19.348	ug/l	100
44) Trichloroethene	9.09	130	89459	20.375	ug/l	99
45) 1,2-Dichloropropane	9.37	63	91567	20.152	ug/l	98
46) Dibromomethane	9.46	93	46830	19.885	ug/l	100
47) Bromodichloromethane	9.64	83	120931	19.892	ug/l	98
48) Methyl methacrylate	9.43	41	55979	19.102	ug/l	98
49) 1,4-Dioxane	9.44	88	14565	404.746	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	308609	97.874	ug/l	99
52) Toluene	10.38	92	219543	20.388	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118020	19.580	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	136504	19.833	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66206	20.141	ug/l	97
56) Ethyl methacrylate	10.65	69	75652	18.513	ug/l	98
57) 1,3-Dichloropropane	10.93	76	116692	19.806	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	179189	91.229	ug/l	100
59) 2-Hexanone	10.97	43	213448	97.246	ug/l	98
60) Dibromochloromethane	11.13	129	73000	19.214	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62569	20.010	ug/l	99
64) Tetrachloroethene	10.87	164	72673	19.729	ug/l	98
65) Chlorobenzene	11.66	112	239889	20.655	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	82962	19.975	ug/l	97
67) Ethyl Benzene	11.73	91	420286	20.283	ug/l	100
68) m/p-Xylenes	11.84	106	320098	41.326	ug/l	99
69) o-Xylene	12.17	106	145203	20.588	ug/l	98
70) Styrene	12.18	104	243968	20.063	ug/l	99
71) Bromoform	12.35	173	42329	19.274	ug/l #	98
73) Isopropylbenzene	12.47	105	412058	20.094	ug/l	99
74) N-amyl acetate	12.27	43	109033	19.200	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	77569	19.146	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	105845	29.966	ug/l #	100
77) Bromobenzene	12.75	156	93043	19.728	ug/l	100
78) n-propylbenzene	12.80	91	518713	20.409	ug/l	99
79) 2-Chlorotoluene	12.90	91	296488	20.284	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	351539	20.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22108	17.678	ug/l	91
82) 4-Chlorotoluene	12.99	91	311630	20.257	ug/l	99
83) tert-Butylbenzene	13.21	119	290038	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	361242	20.492	ug/l	98
85) sec-Butylbenzene	13.39	105	439414	20.422	ug/l	99
86) p-Isopropyltoluene	13.50	119	384626	20.281	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	193769	20.325	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	192869	20.268	ug/l	98
89) n-Butylbenzene	13.83	91	378000	20.118	ug/l	100
90) Hexachloroethane	14.10	117	72238	19.887	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	173792	20.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14260	19.668	ug/l	98

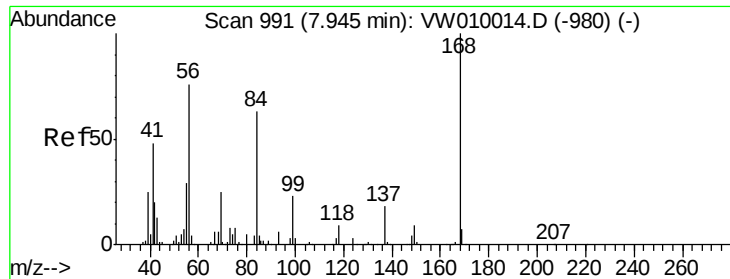
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	111367	19.748	ug/l	100
94) Hexachlorobutadiene	15.24	225	67484	19.706	ug/l	100
95) Naphthalene	15.37	128	192816	19.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	96704	19.765	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: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

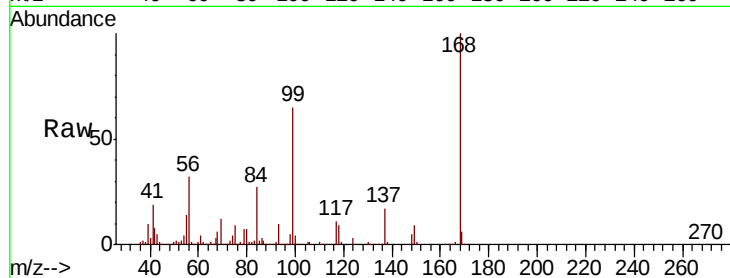
VSTDIC020

Tgt Ion:168 Resp: 382764

Ion Ratio Lower Upper

168 100

99 65.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

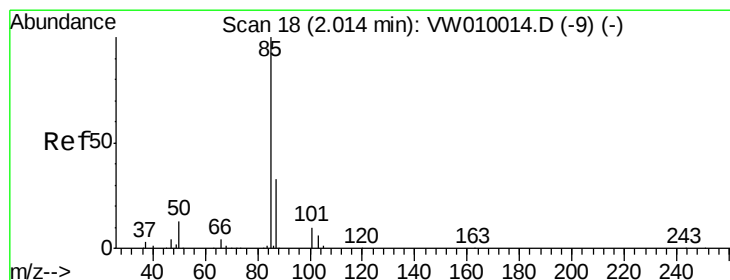
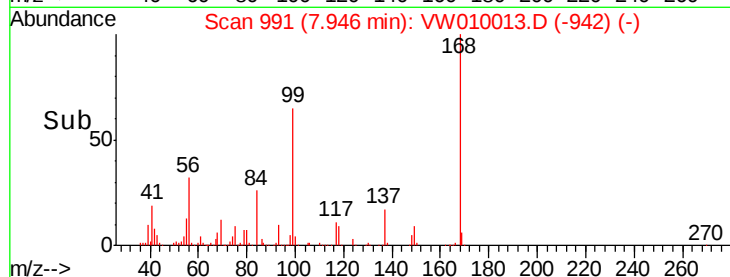
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 20.351 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010013.D

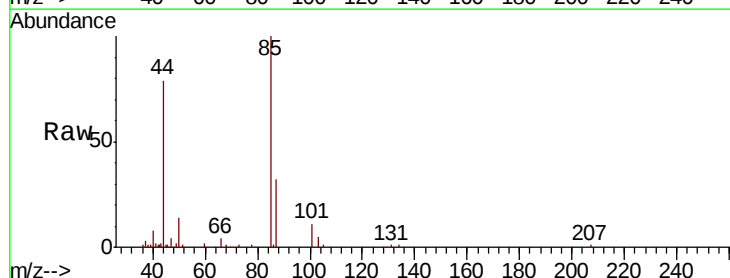
Acq: 17 Apr 2019 11:49

Tgt Ion: 85 Resp: 58400

Ion Ratio Lower Upper

85 100

87 32.3 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

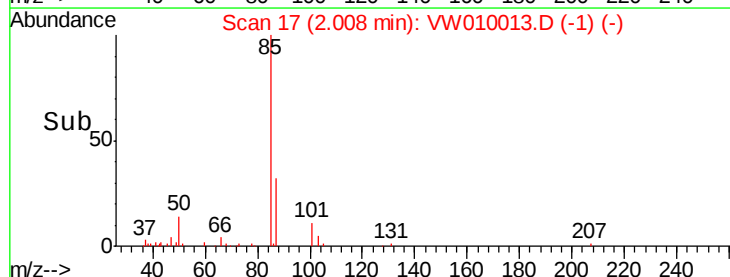
15000

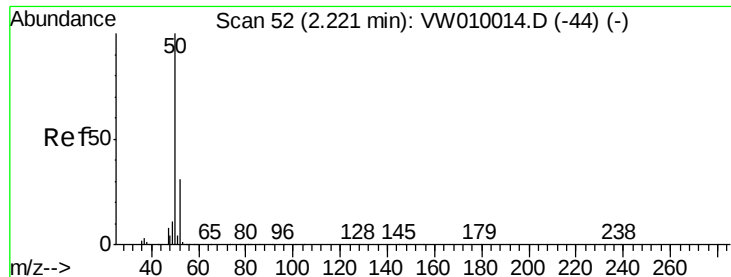
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.177 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

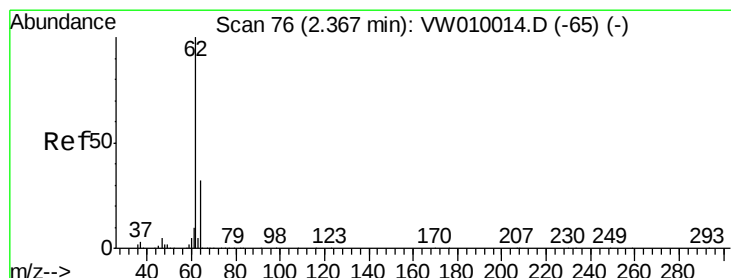
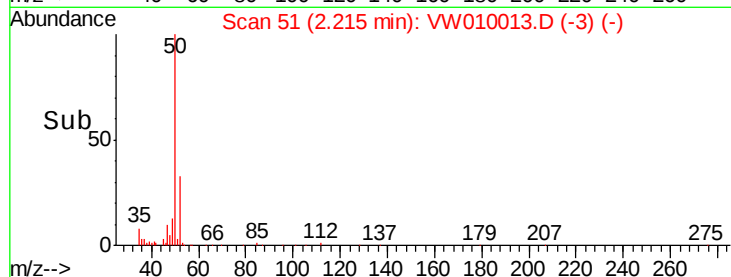
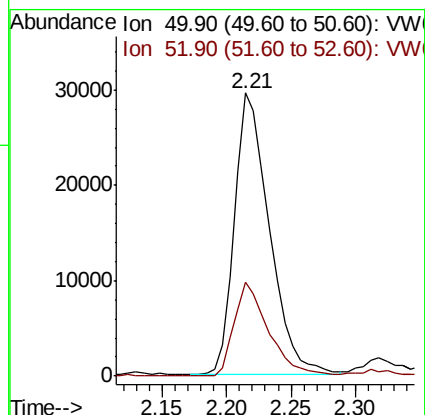
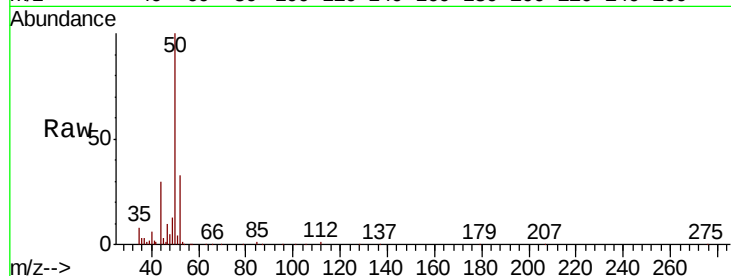
VSTDIC020

Tgt Ion: 50 Resp: 55970

Ion Ratio Lower Upper

50 100

52 33.4 25.0 37.6



#4

Vinyl Chloride

Concen: 20.484 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010013.D

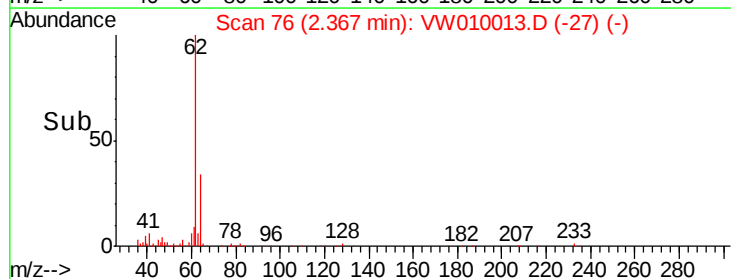
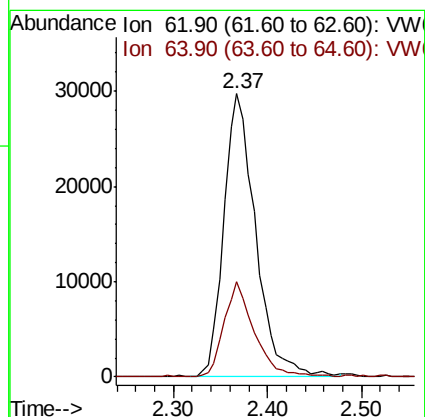
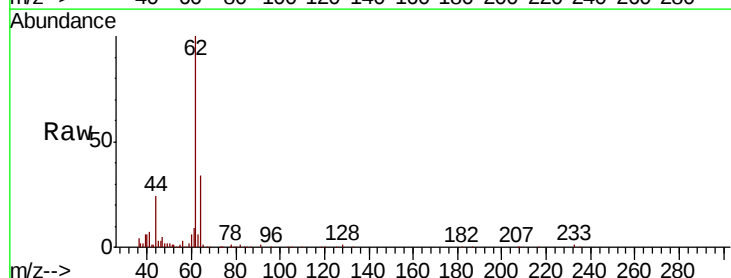
Acq: 17 Apr 2019 11:49

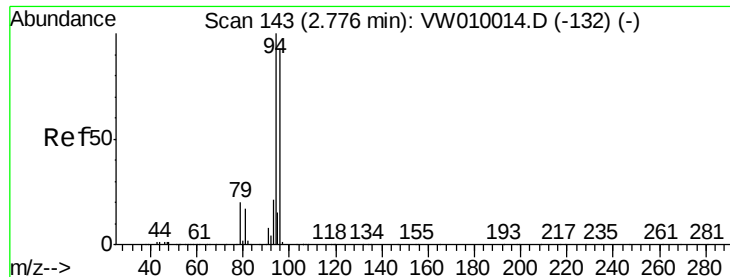
Tgt Ion: 62 Resp: 69492

Ion Ratio Lower Upper

62 100

64 33.5 25.9 38.9





#5

Bromomethane

Concen: 19.879 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

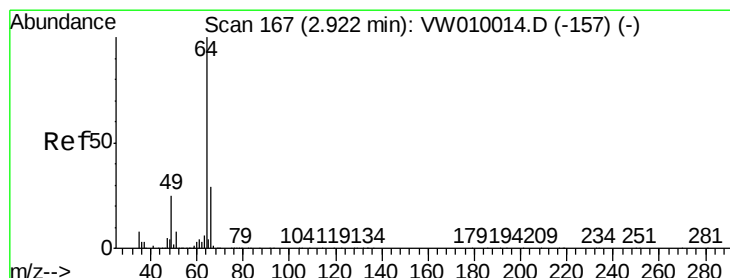
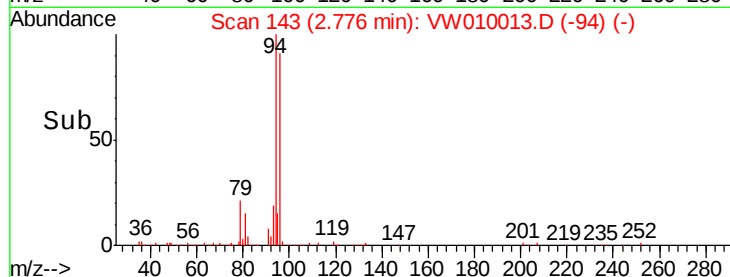
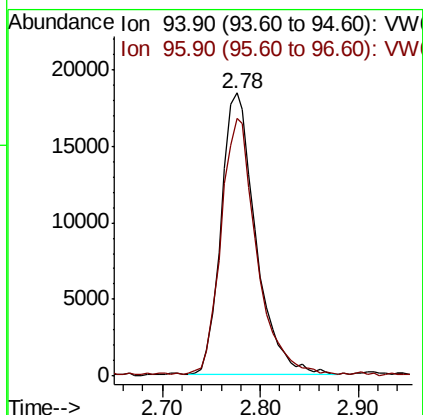
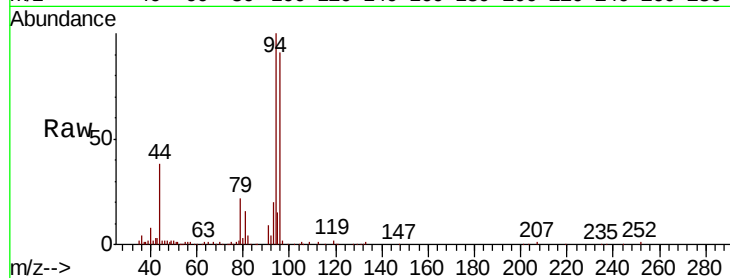
VSTDIC020

Tgt Ion: 94 Resp: 45323

Ion Ratio Lower Upper

94 100

96 90.9 74.2 111.2



#6

Chloroethane

Concen: 20.786 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010013.D

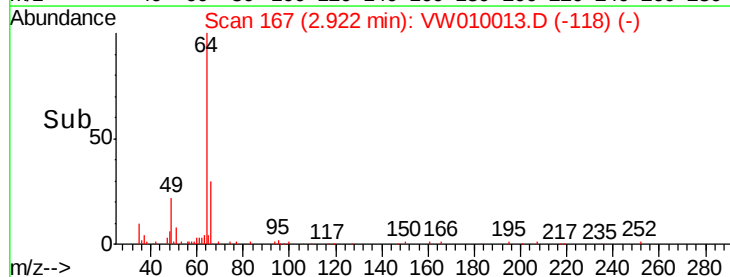
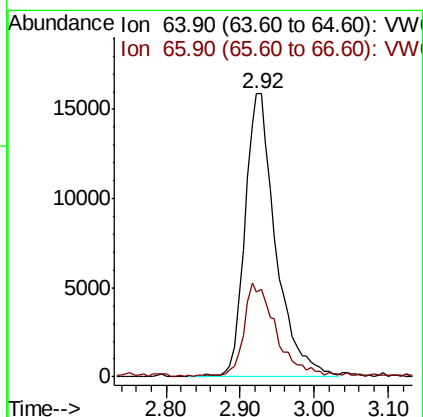
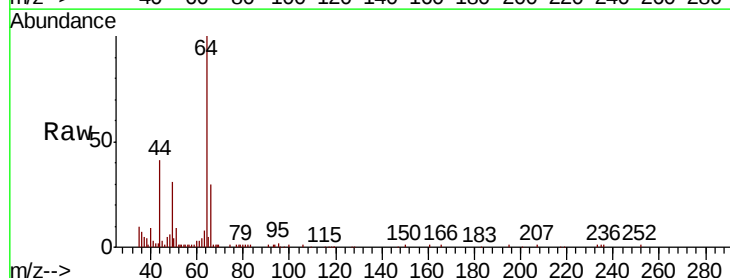
Acq: 17 Apr 2019 11:49

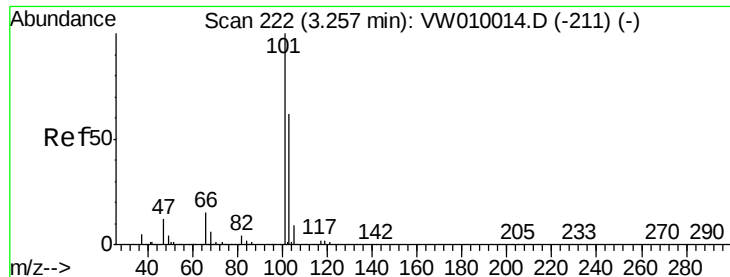
Tgt Ion: 64 Resp: 46076

Ion Ratio Lower Upper

64 100

66 29.7 23.4 35.0



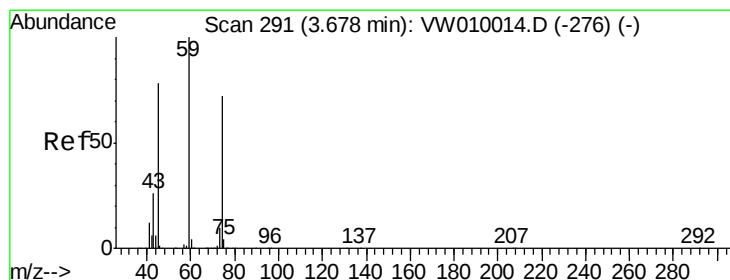
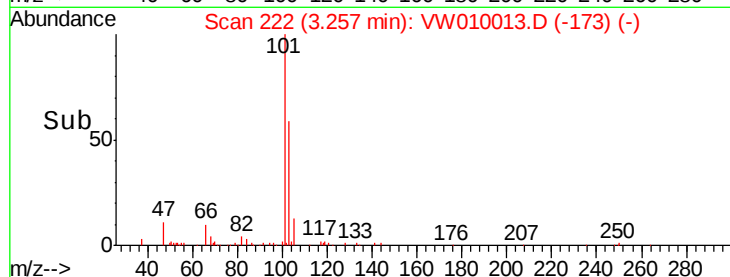
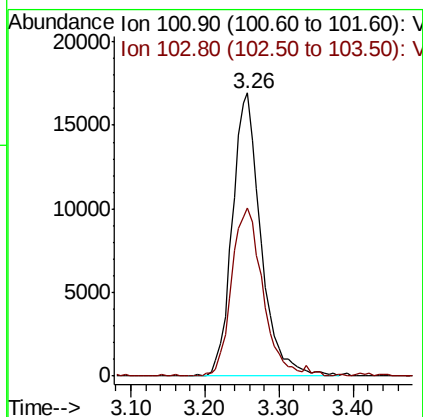
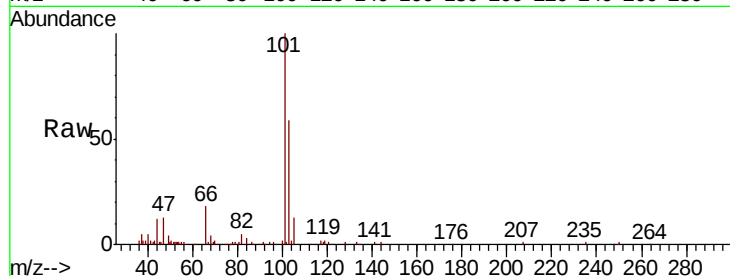


#7

Trichlorofluoromethane
 Concen: 19.383 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

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 ClientSampleId :
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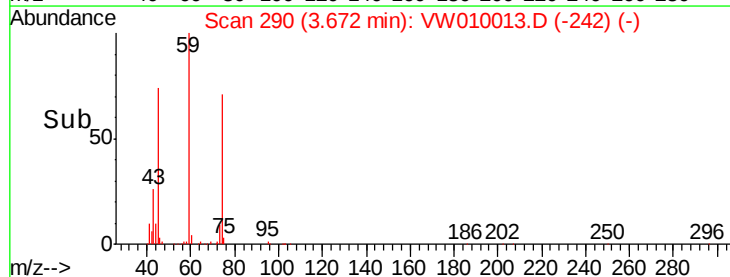
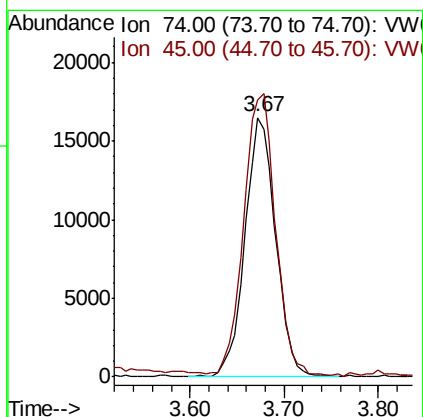
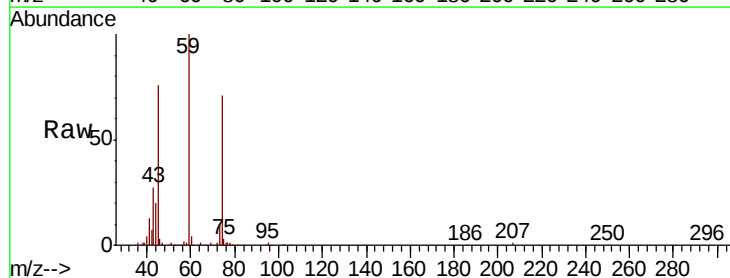
Tgt Ion:101 Resp: 45466
 Ion Ratio Lower Upper
 101 100
 103 59.4 49.8 74.6

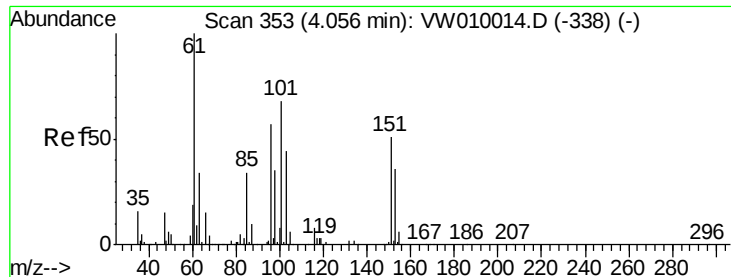


#8

Diethyl Ether
 Concen: 19.369 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 74 Resp: 37791
 Ion Ratio Lower Upper
 74 100
 45 111.3 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.819 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

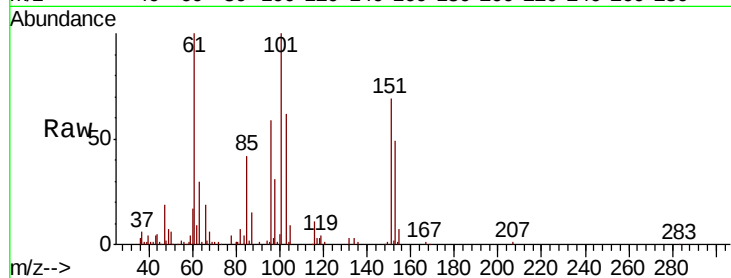
Tgt Ion:101 Resp: 80041

Ion Ratio Lower Upper

101 100

85 44.9 36.3 54.5

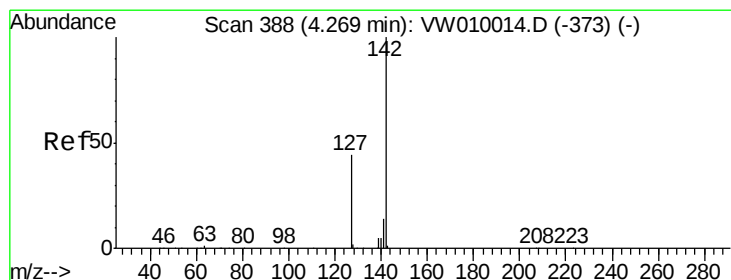
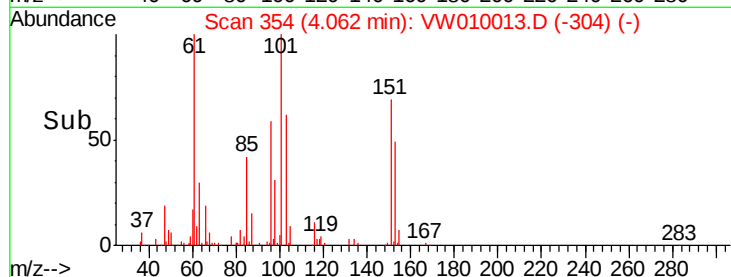
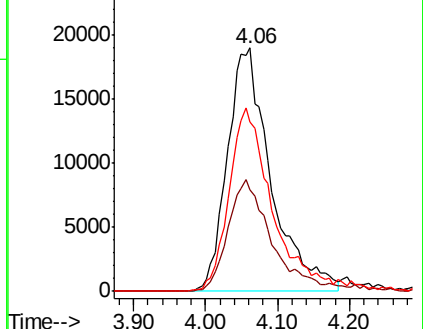
151 74.7 60.2 90.2



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: 20.025 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

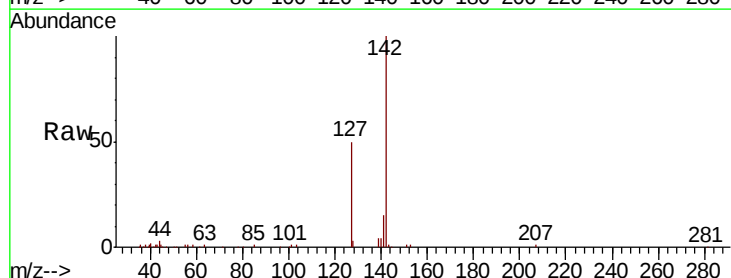
Tgt Ion:142 Resp: 109227

Ion Ratio Lower Upper

142 100

127 47.7 38.1 57.1

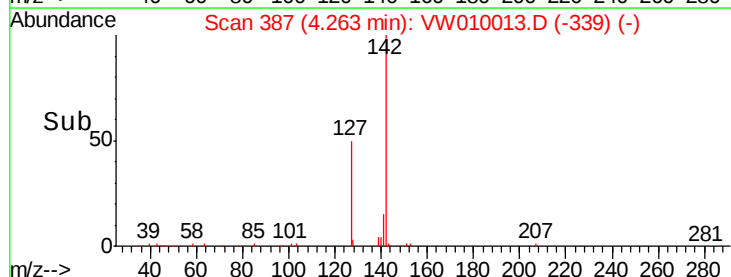
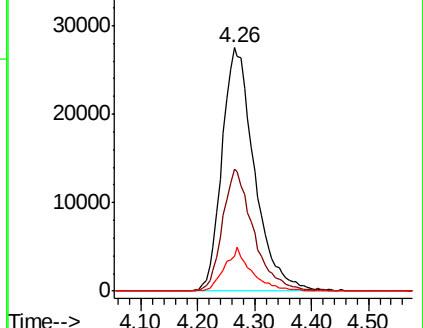
141 15.0 12.2 18.2

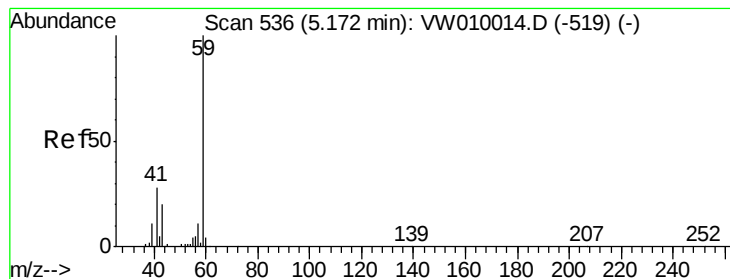


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



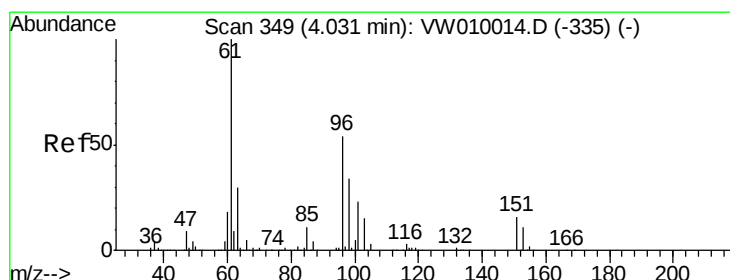
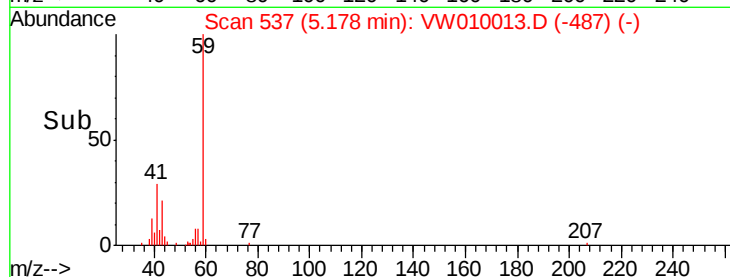
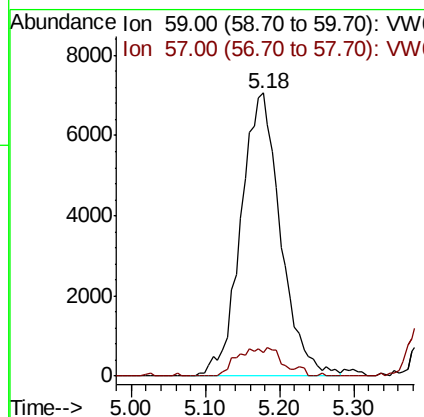
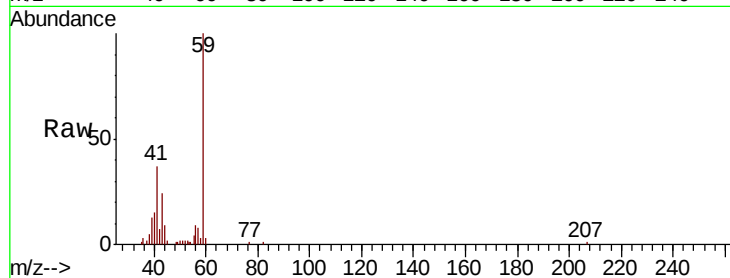


#11

Tert butyl alcohol
 Concen: 98.445 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

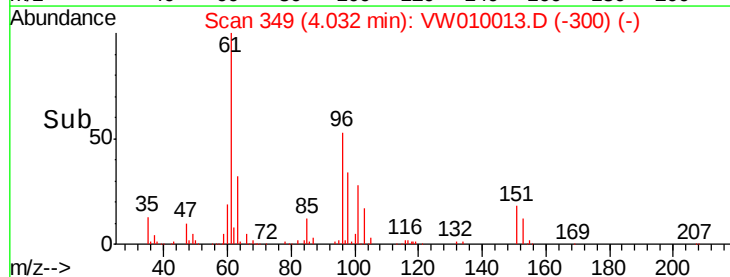
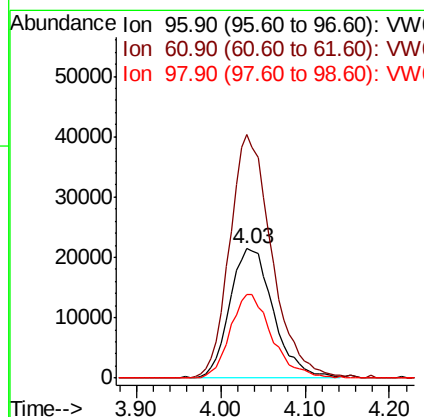
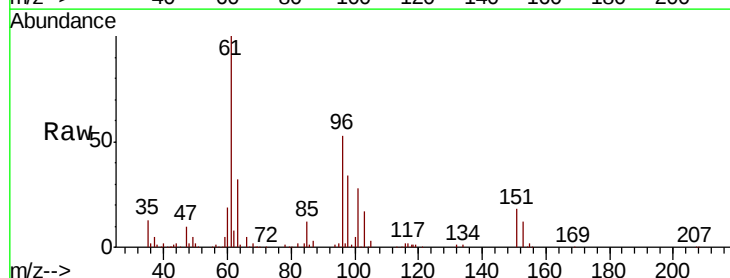
Tgt Ion: 59 Resp: 26410
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.0 13.4

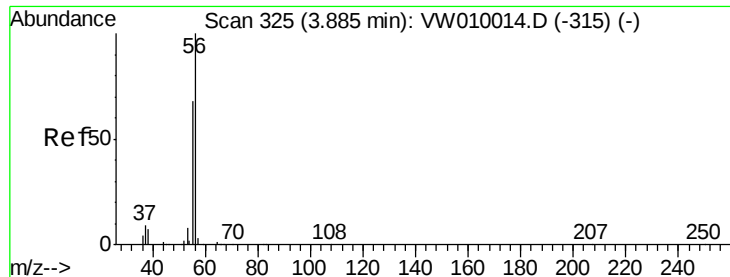


#12

1,1-Dichloroethene
 Concen: 19.938 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 96 Resp: 75444
 Ion Ratio Lower Upper
 96 100
 61 187.9 147.4 221.2
 98 64.3 49.7 74.5





#13

Acrolein

Concen: 94.229 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

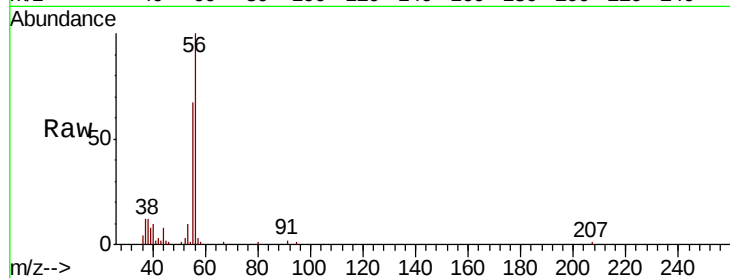
VSTDIC020

Tgt Ion: 56 Resp: 26672

Ion Ratio Lower Upper

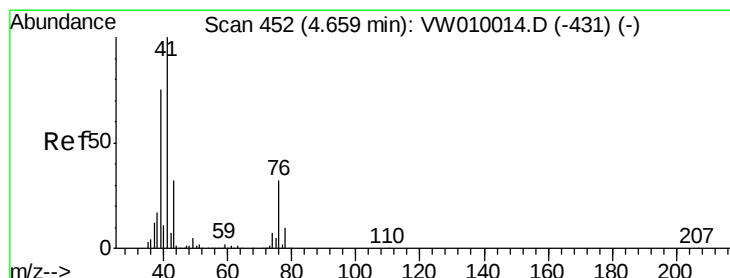
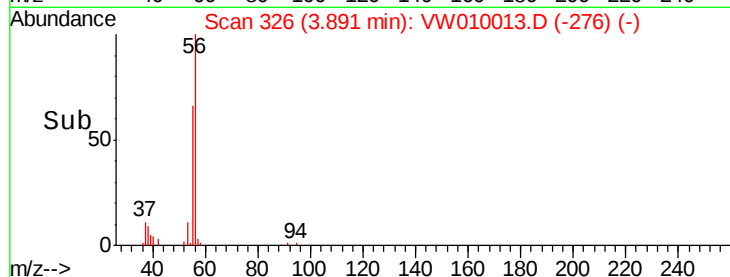
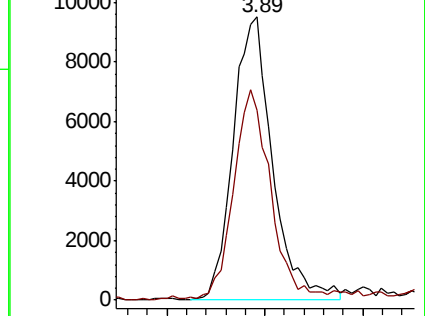
56 100

55 68.1 54.2 81.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.821 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

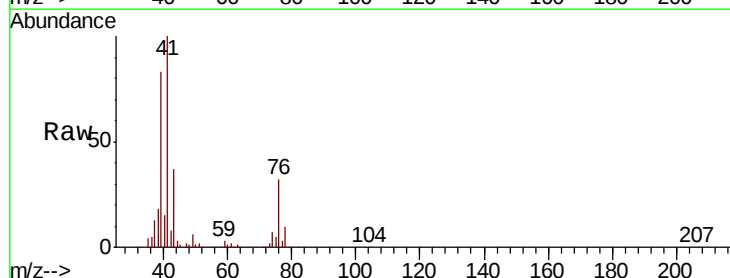
Tgt Ion: 41 Resp: 133344

Ion Ratio Lower Upper

41 100

39 76.8 60.2 90.4

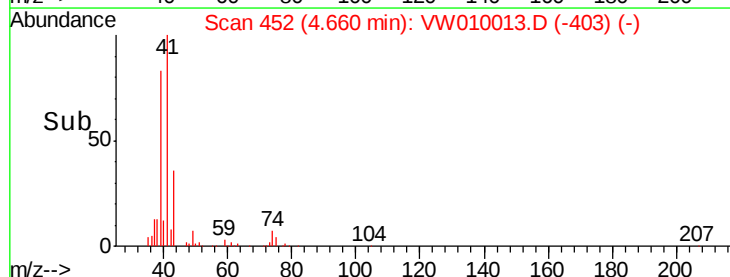
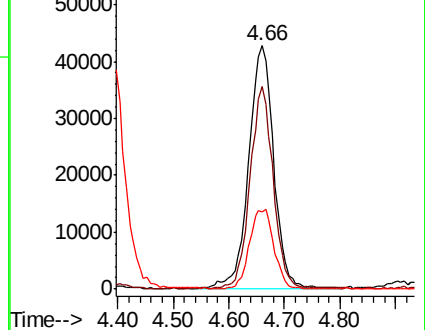
76 32.3 25.0 37.6

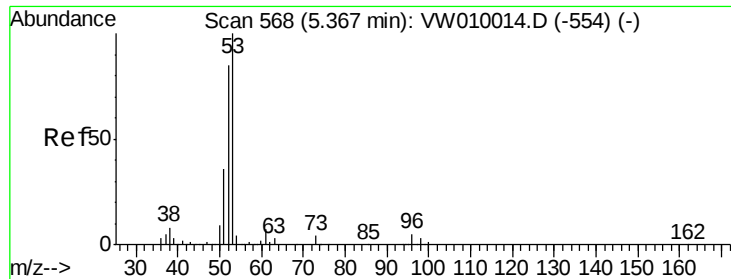


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 98.240 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

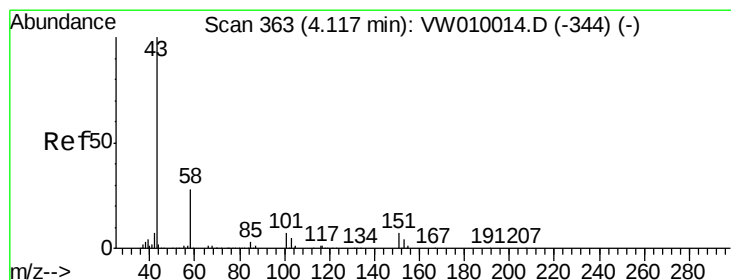
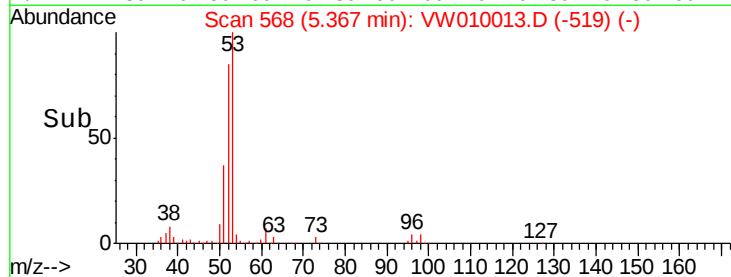
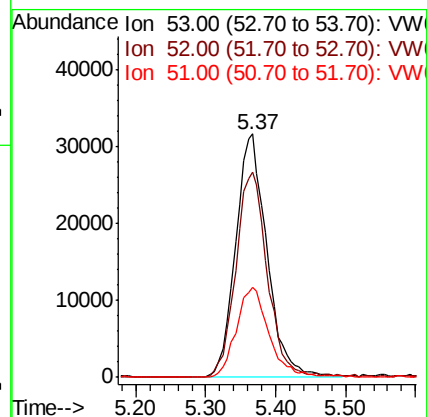
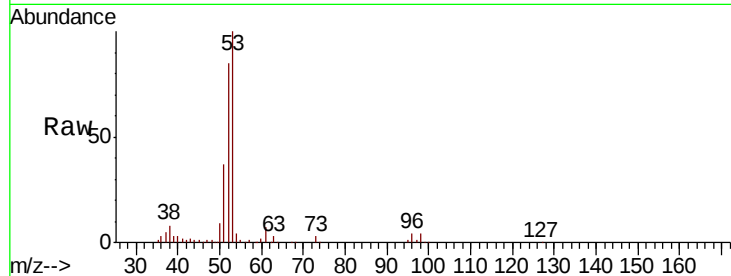
Tgt Ion: 53 Resp: 98644

Ion Ratio Lower Upper

53 100

52 84.5 66.6 100.0

51 38.8 30.3 45.5



#16

Acetone

Concen: 96.739 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010013.D

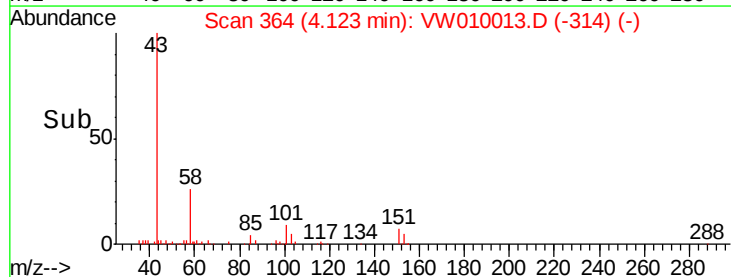
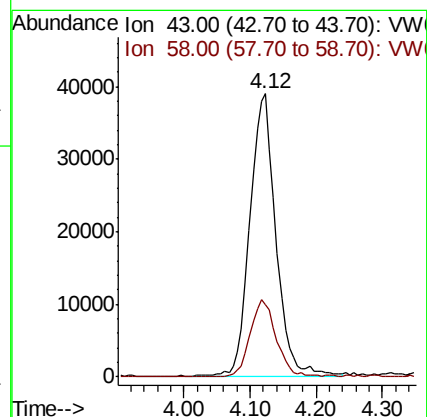
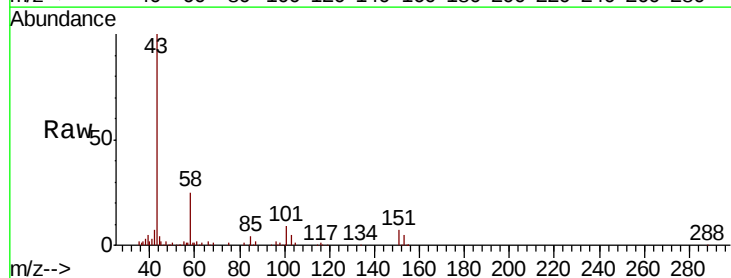
Acq: 17 Apr 2019 11:49

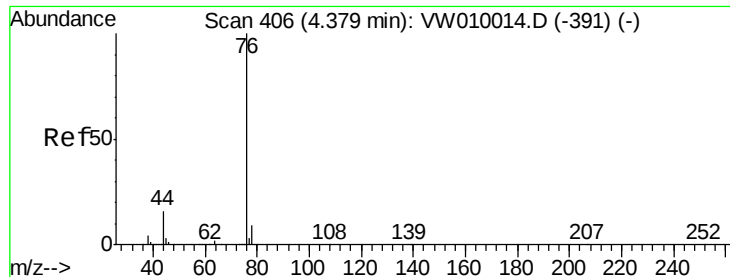
Tgt Ion: 43 Resp: 106022

Ion Ratio Lower Upper

43 100

58 25.6 22.7 34.1

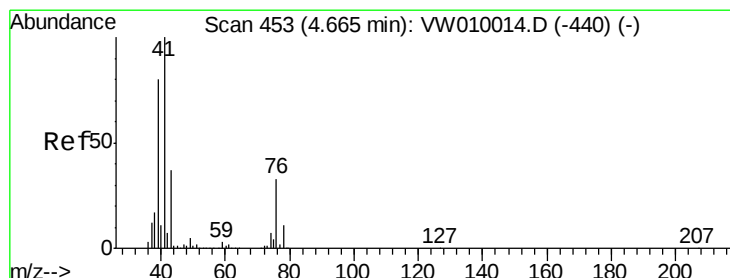
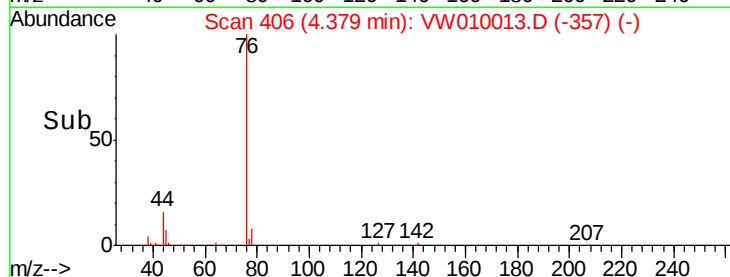
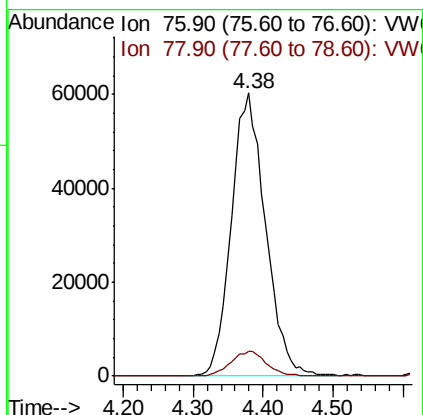
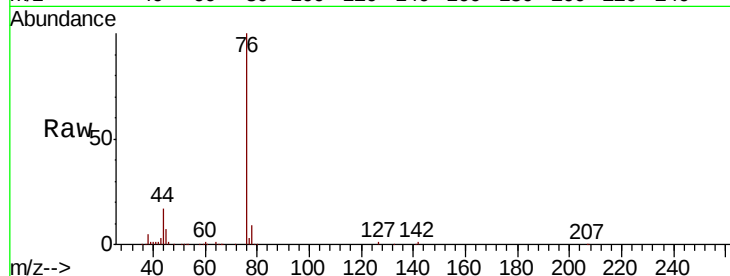




#17
Carbon Disulfide
Concen: 19.713 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

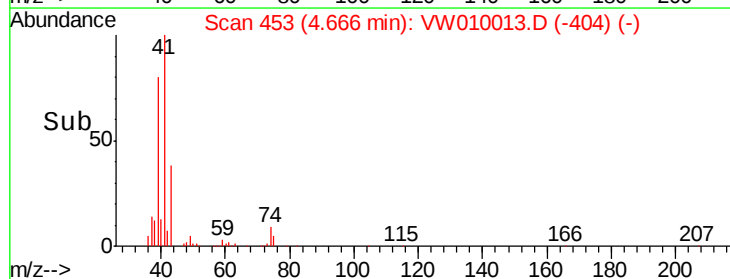
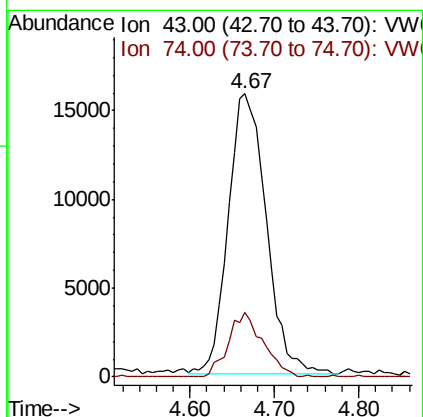
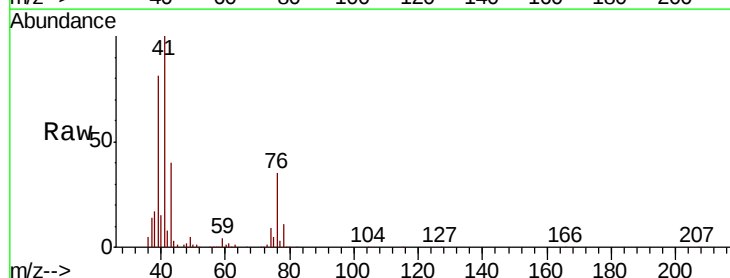
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

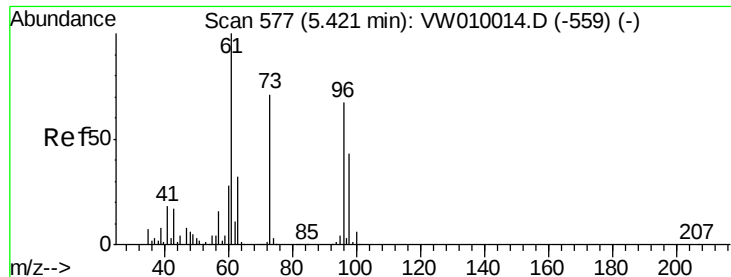
Tgt Ion: 76 Resp: 204616
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 18.946 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 43 Resp: 48055
Ion Ratio Lower Upper
43 100
74 21.1 16.8 25.2

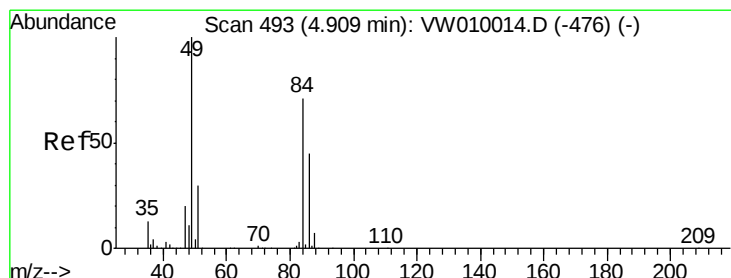
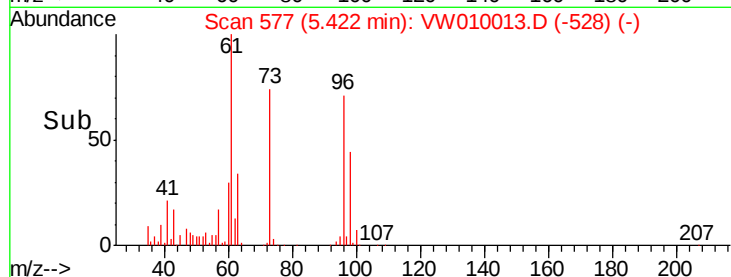
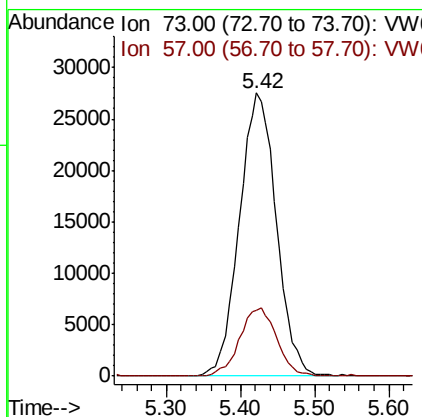
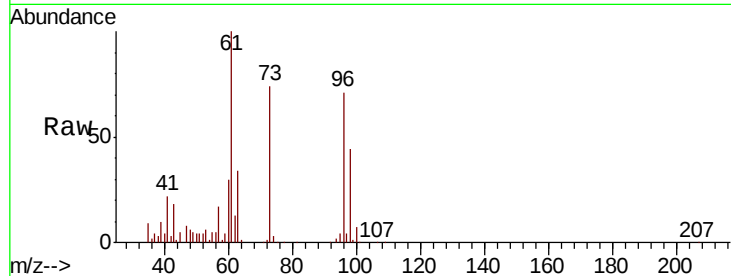




#19
Methyl tert-butyl Ether
Concen: 19.445 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

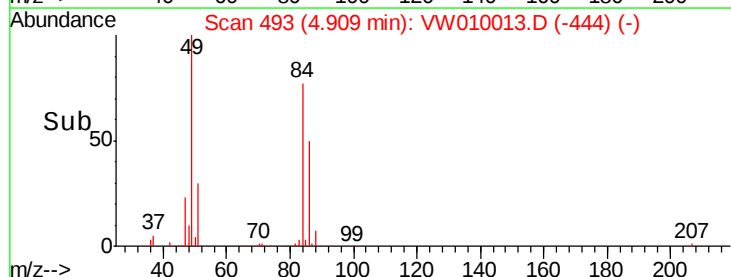
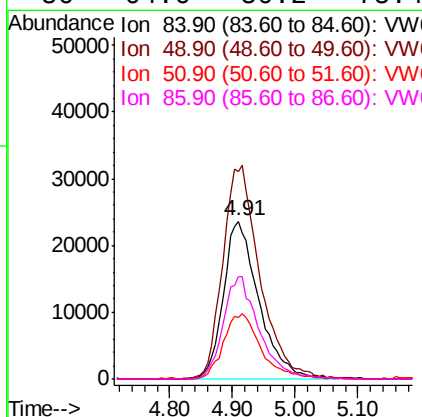
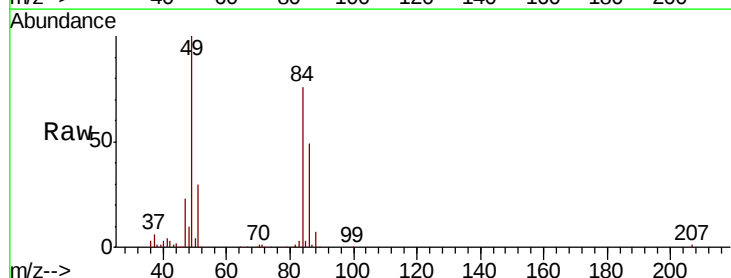
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

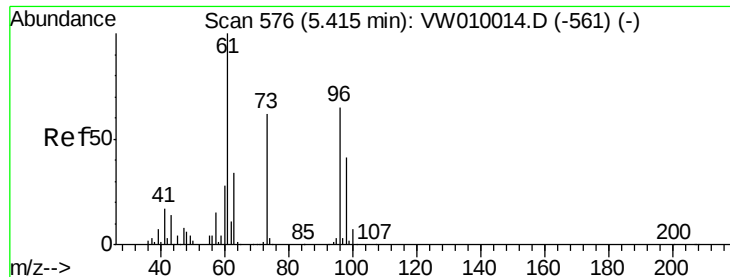
Tgt Ion: 73 Resp: 95571
Ion Ratio Lower Upper
73 100
57 23.2 18.5 27.7



#20
Methylene Chloride
Concen: 18.357 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 84 Resp: 92557
Ion Ratio Lower Upper
84 100
49 130.6 112.3 168.5
51 38.9 33.9 50.9
86 64.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.919 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

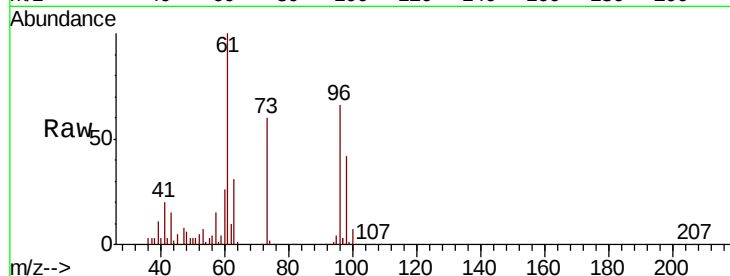
Tgt Ion: 96 Resp: 81621

Ion Ratio Lower Upper

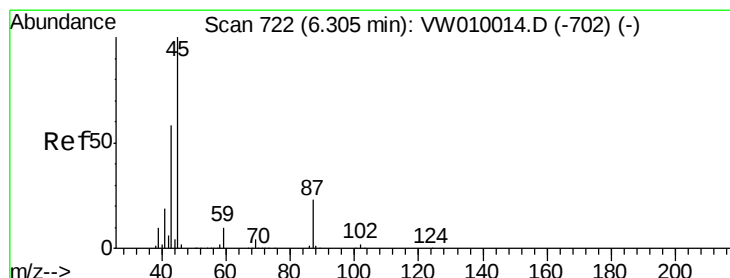
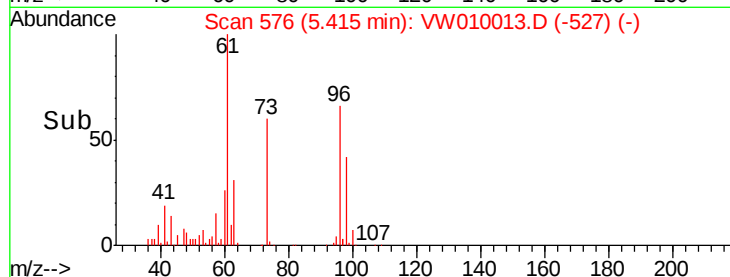
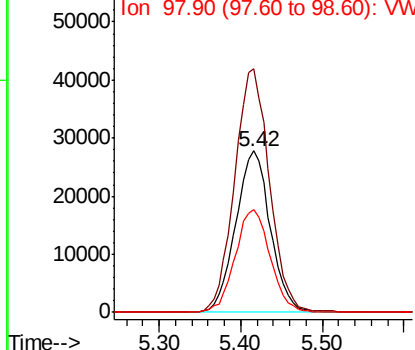
96 100

61 151.0 122.3 183.5

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: 20.995 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion: 45 Resp: 286502

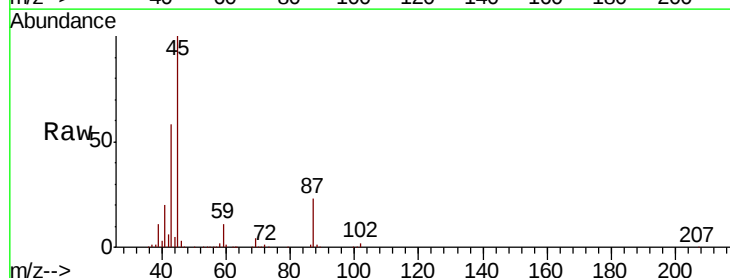
Ion Ratio Lower Upper

45 100

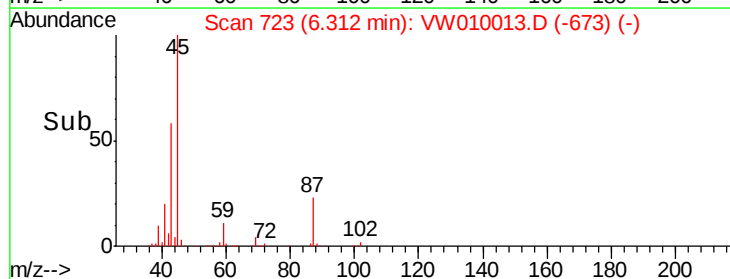
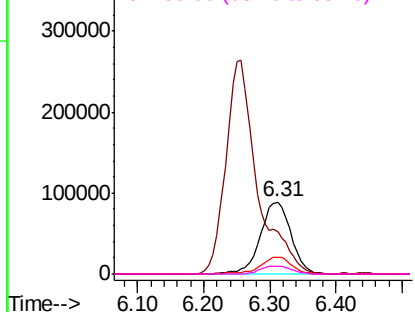
43 58.2 46.1 69.1

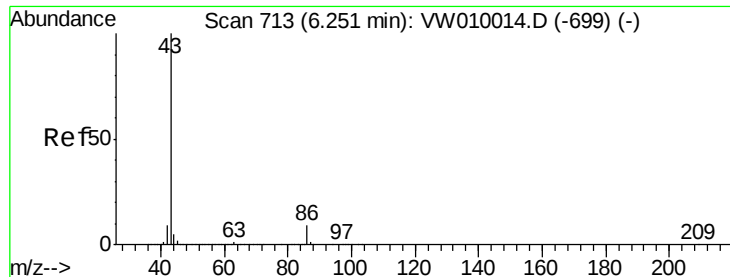
87 23.1 18.3 27.5

59 10.9 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

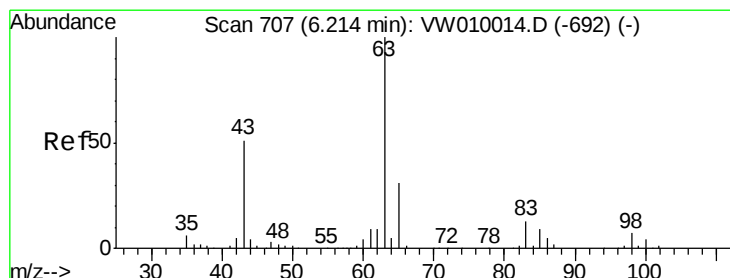
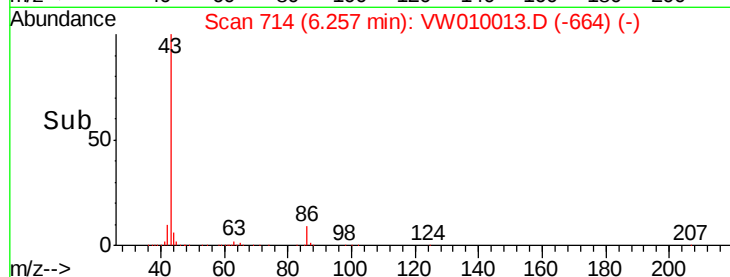
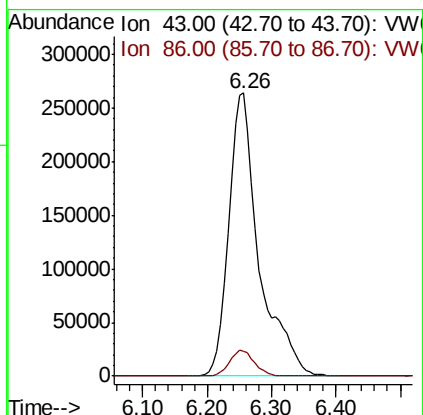
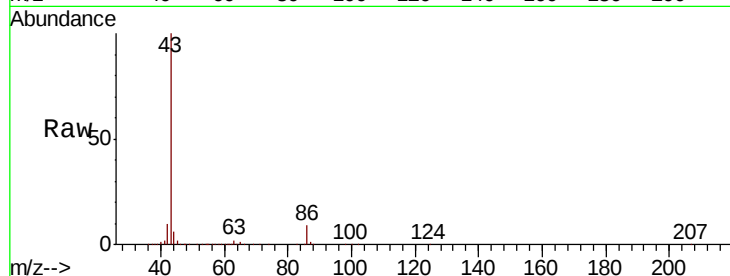




#23
 Vinyl Acetate
 Concen: 101.018 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

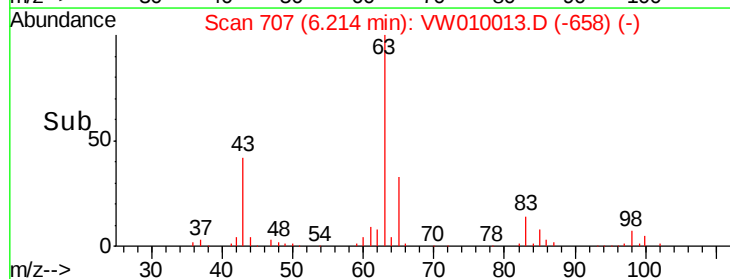
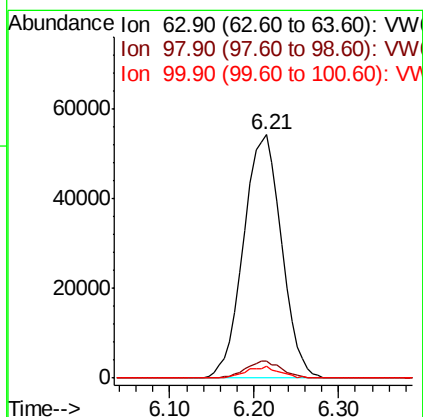
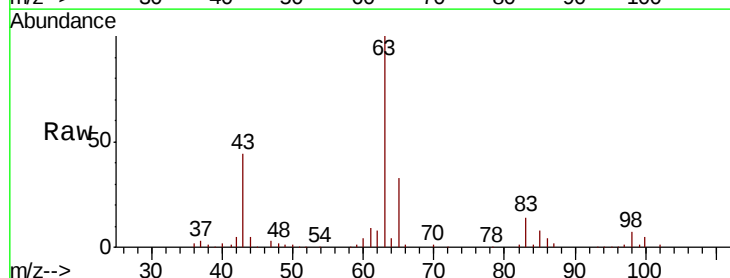
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

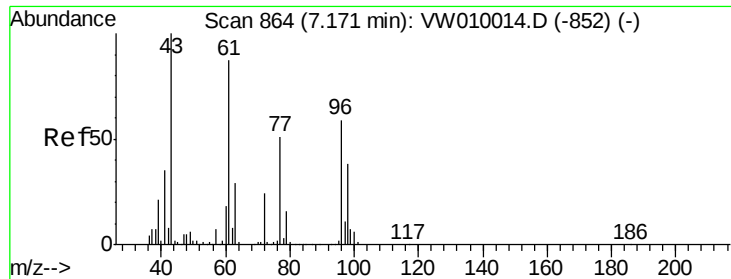
Tgt Ion: 43 Resp: 867774
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 20.425 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 63 Resp: 166613
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.8 2.0 6.0





#25

2-Butanone

Concen: 96.530 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

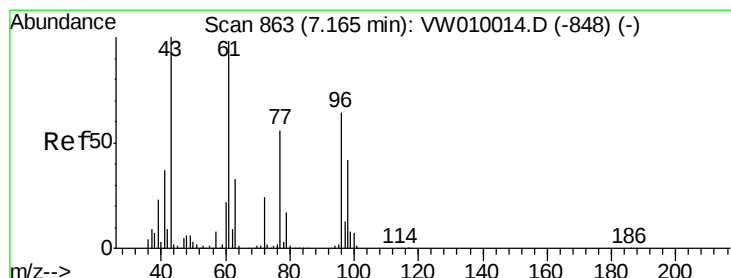
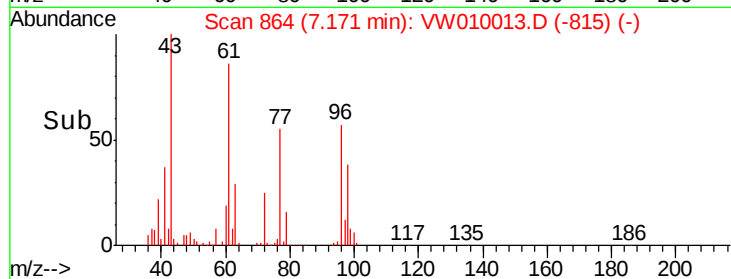
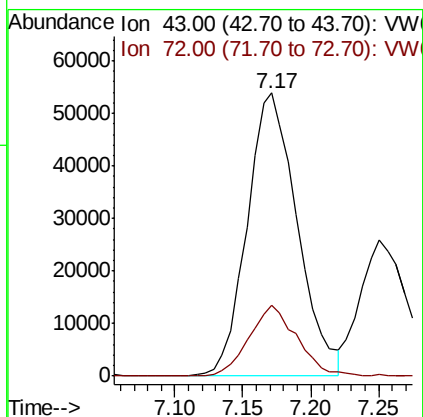
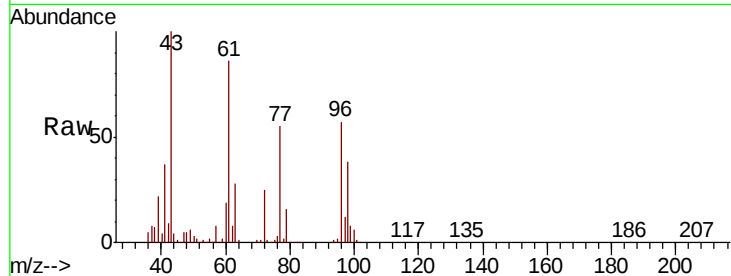
VSTDIC020

Tgt Ion: 43 Resp: 138970

Ion Ratio Lower Upper

43 100

72 25.2 19.1 28.7



#26

2,2-Dichloropropane

Concen: 20.978 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010013.D

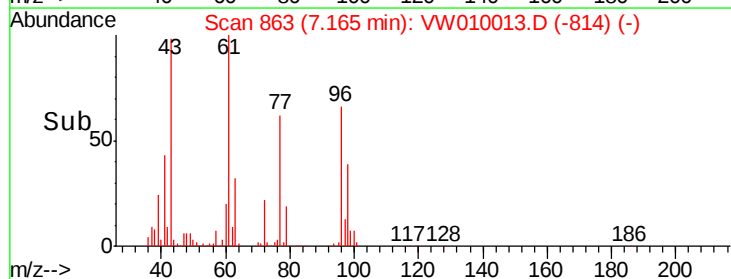
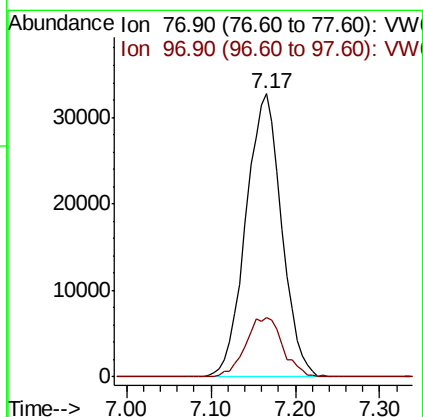
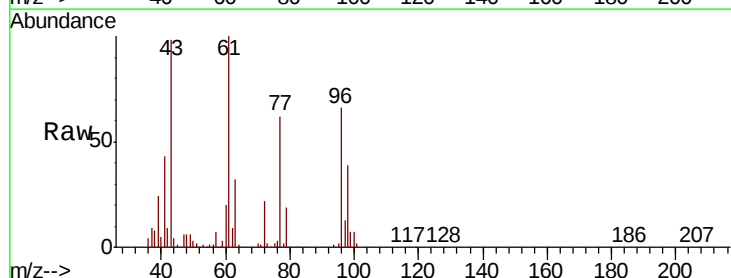
Acq: 17 Apr 2019 11:49

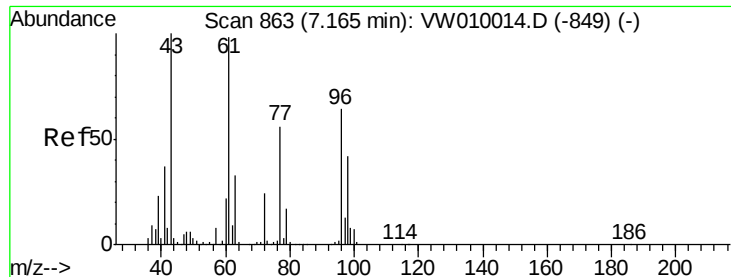
Tgt Ion: 77 Resp: 94680

Ion Ratio Lower Upper

77 100

97 21.8 11.3 33.9



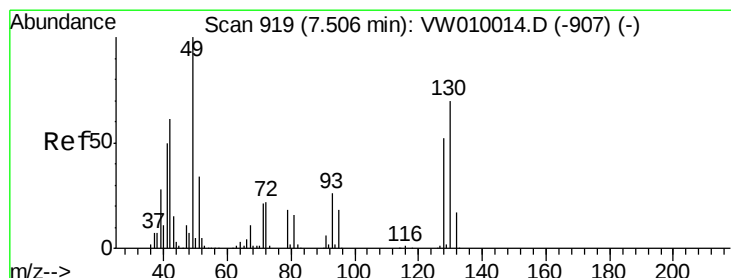
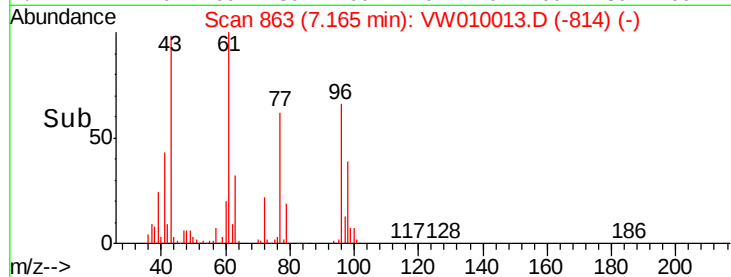
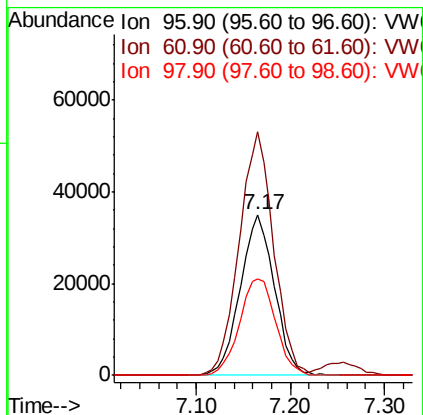
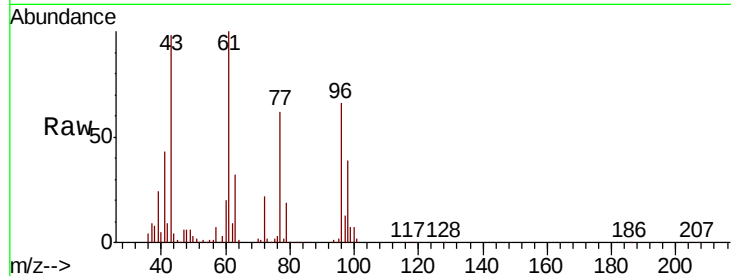


#27

cis-1,2-Dichloroethene
Concen: 19.716 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

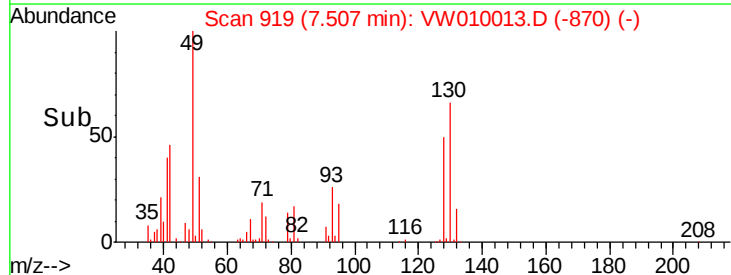
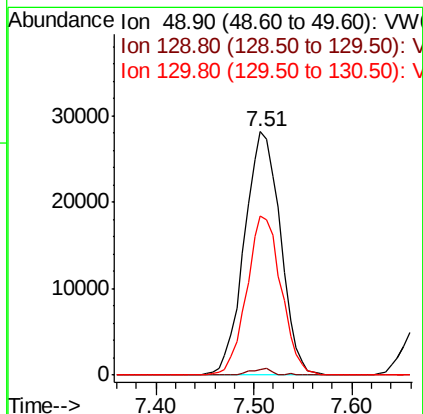
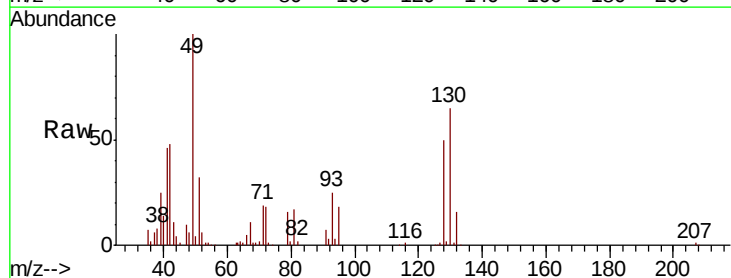
Tgt Ion: 96 Resp: 88848
Ion Ratio Lower Upper
96 100
61 152.6 0.0 309.4
98 63.8 0.0 128.6

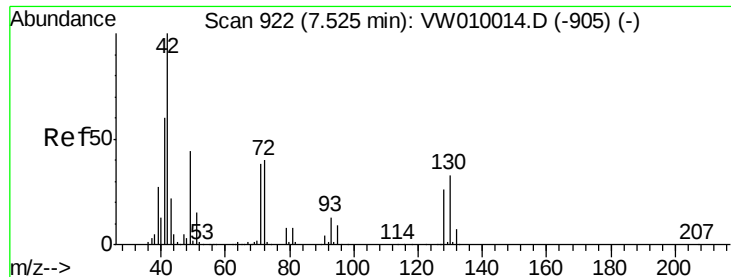


#28

Bromochloromethane
Concen: 21.618 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 49 Resp: 72069
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.8
130 62.4 54.6 82.0

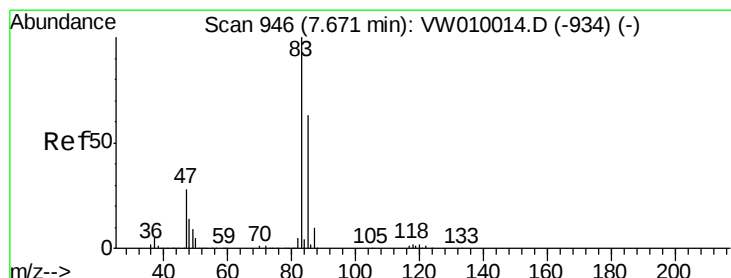
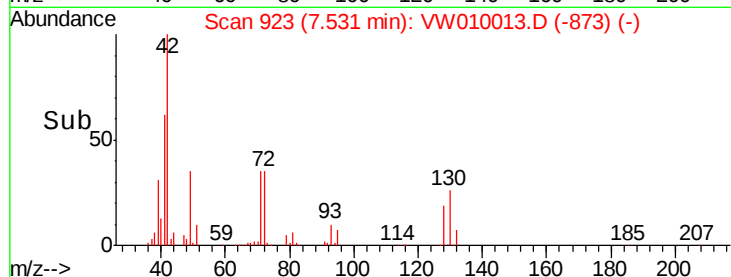
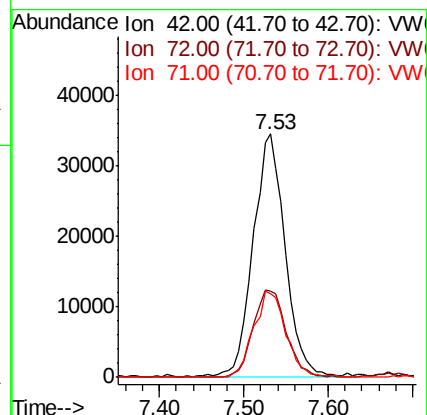
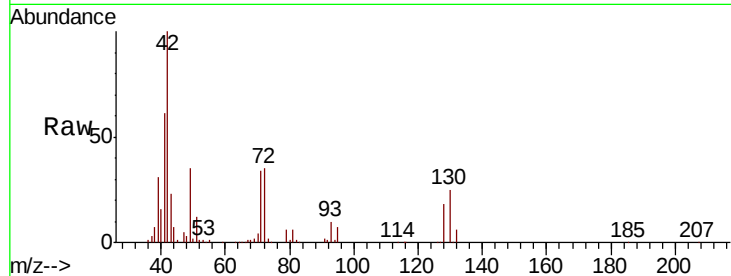




#29
Tetrahydrofuran
Concen: 97.547 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

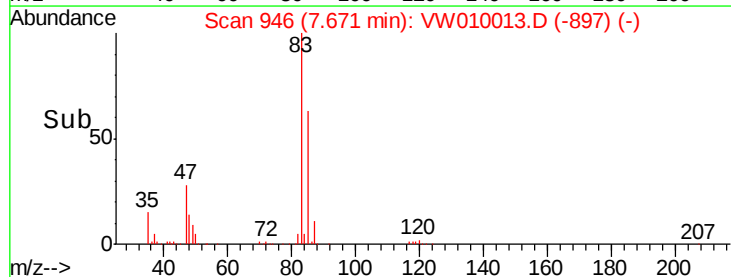
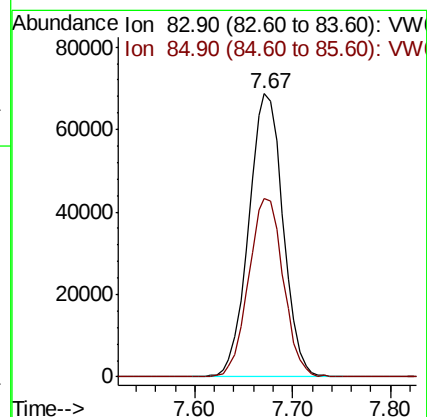
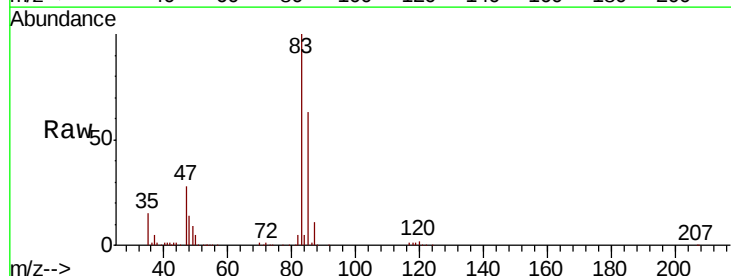
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

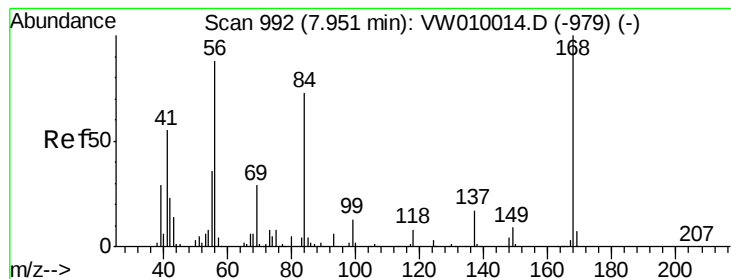
Tgt Ion: 42 Resp: 88984
Ion Ratio Lower Upper
42 100
72 37.4 31.0 46.6
71 36.2 29.7 44.5



#30
Chloroform
Concen: 20.519 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 83 Resp: 167719
Ion Ratio Lower Upper
83 100
85 62.8 50.7 76.1





#31

Cyclohexane

Concen: 19.898 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

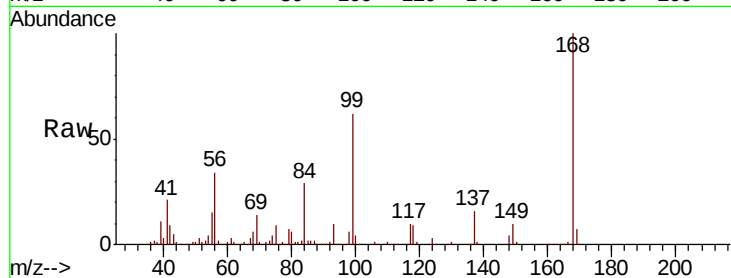
Tgt Ion: 56 Resp: 151996

Ion Ratio Lower Upper

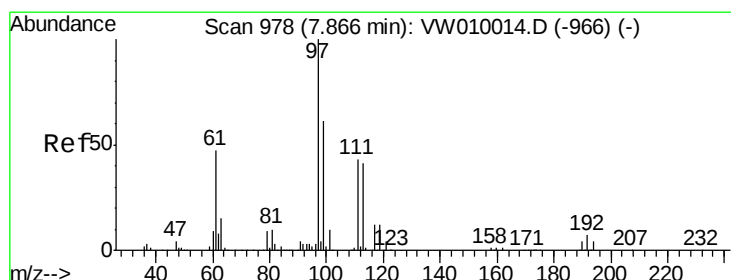
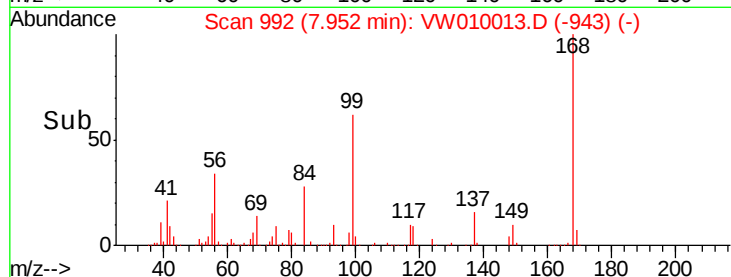
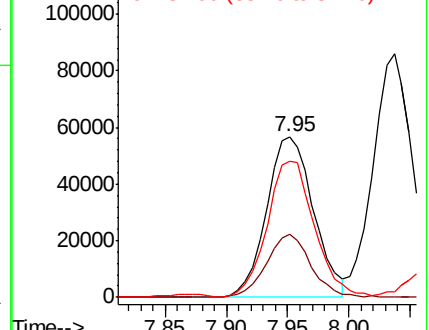
56 100

69 39.5 26.6 40.0

84 82.8 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: 20.737 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

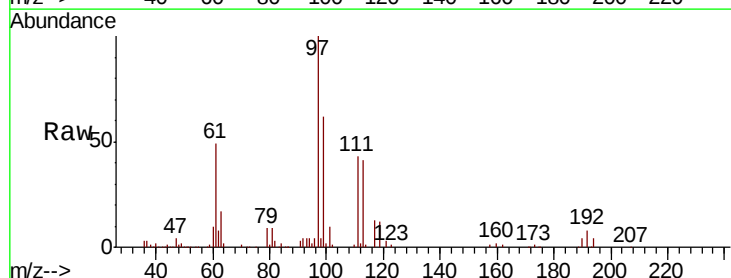
Tgt Ion: 97 Resp: 133070

Ion Ratio Lower Upper

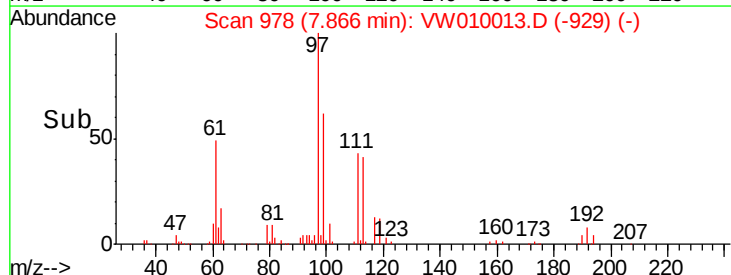
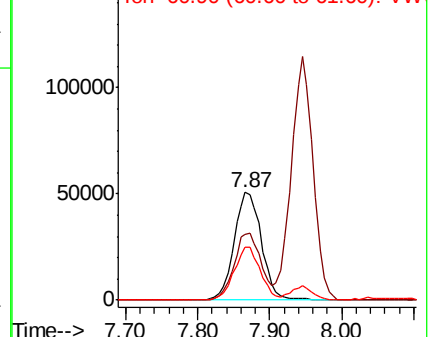
97 100

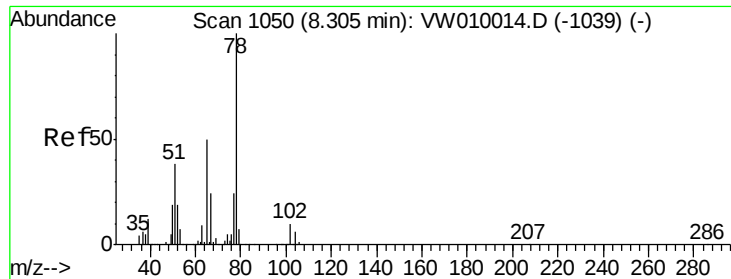
99 61.3 50.2 75.2

61 47.7 38.2 57.2



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

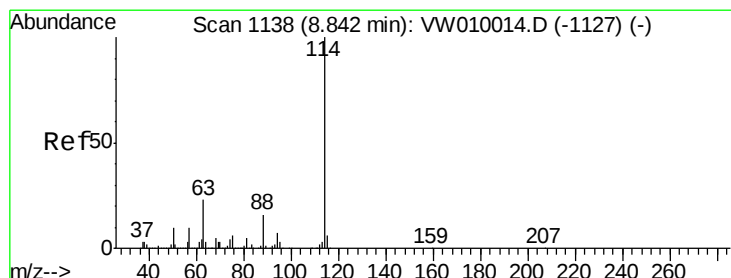
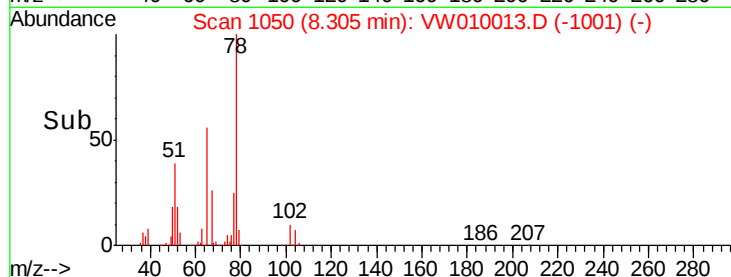
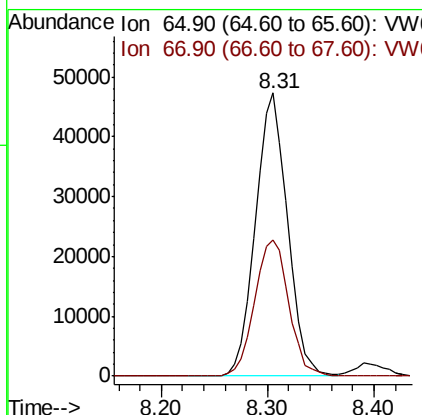
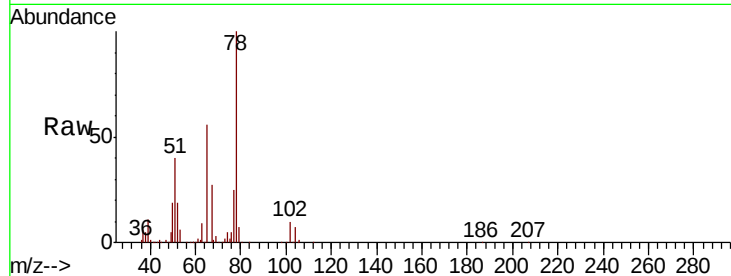




#33
 1,2-Dichloroethane-d4
 Concen: 21.088 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

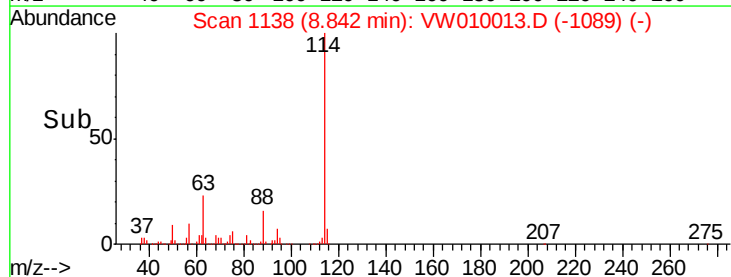
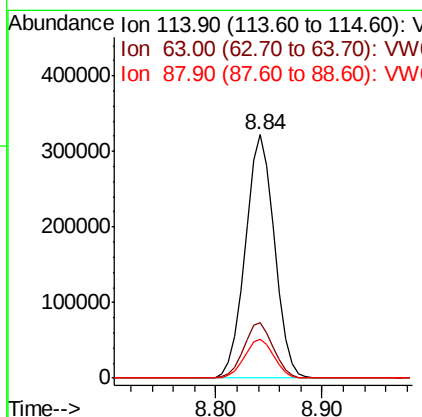
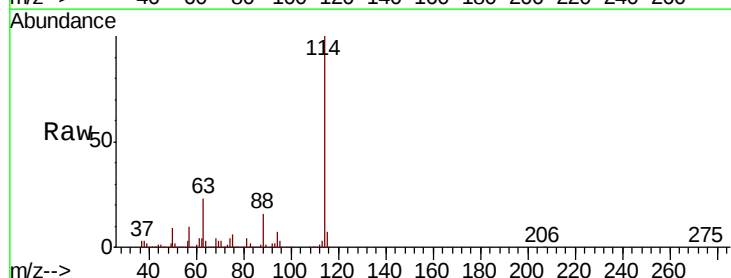
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

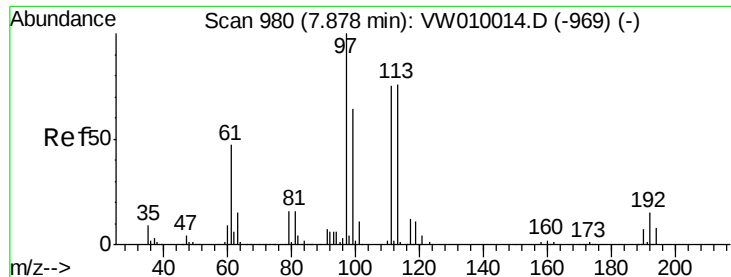
Tgt Ion: 65 Resp: 99611
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 114 Resp: 618943
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.2
 88 16.2 0.0 32.6

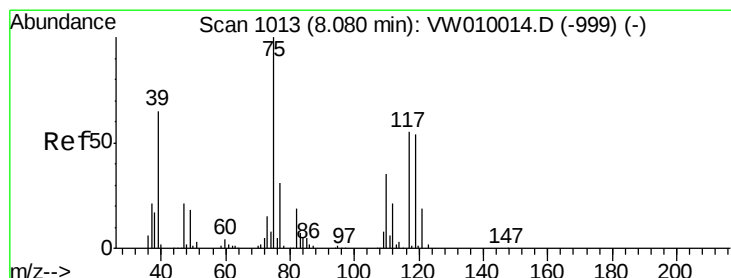
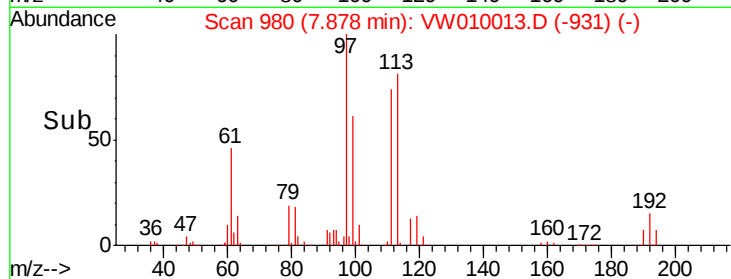
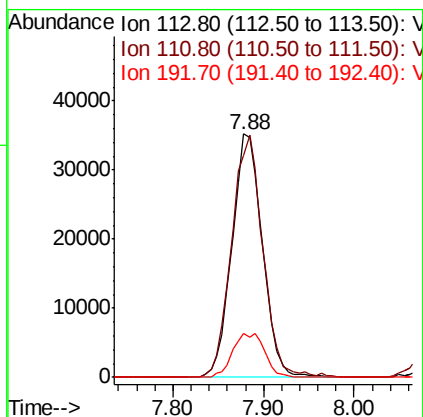
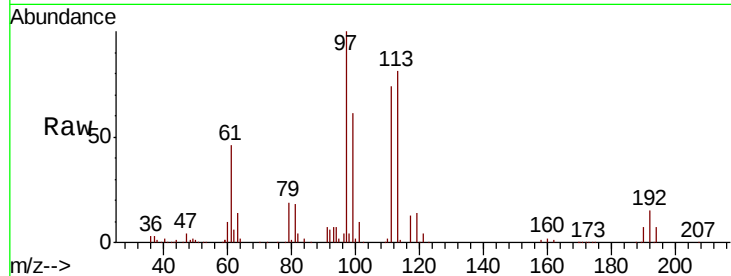




#35
 Dibromofluoromethane
 Concen: 20.891 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

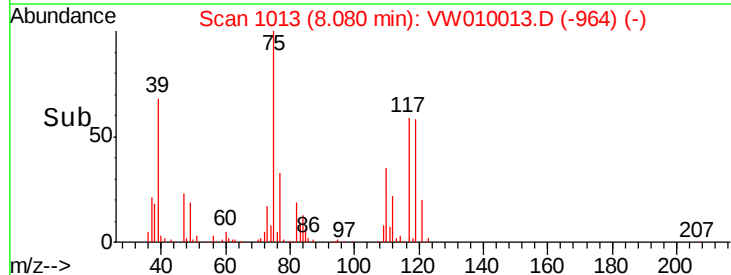
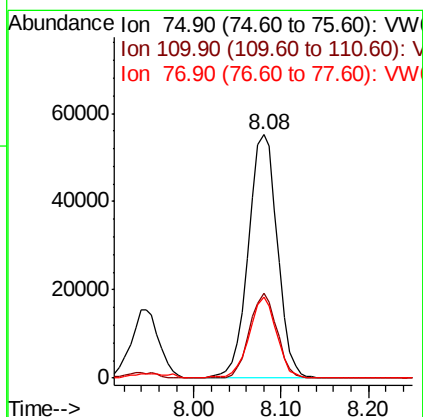
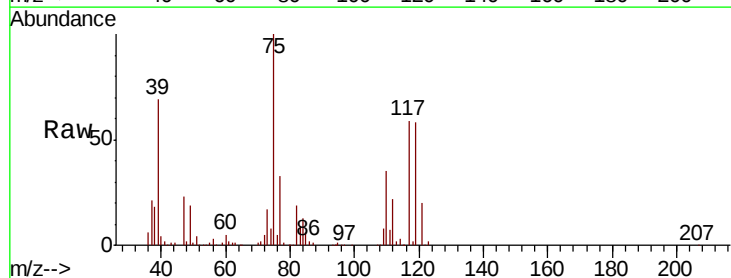
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

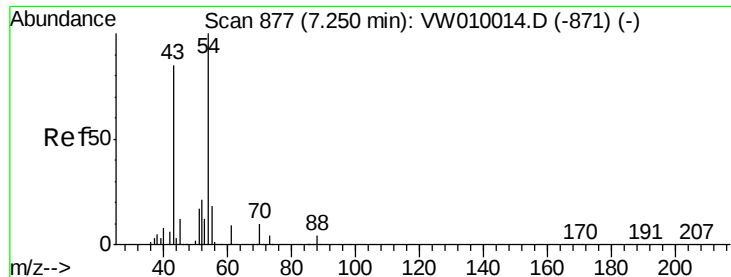
Tgt Ion: 113 Resp: 82208
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 19.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 20.136 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 75 Resp: 127309
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.6 49.8
 77 31.7 24.8 37.2

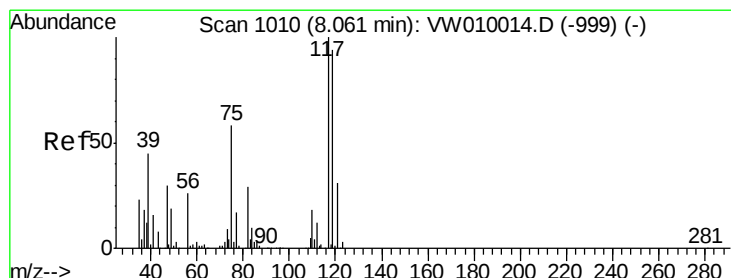
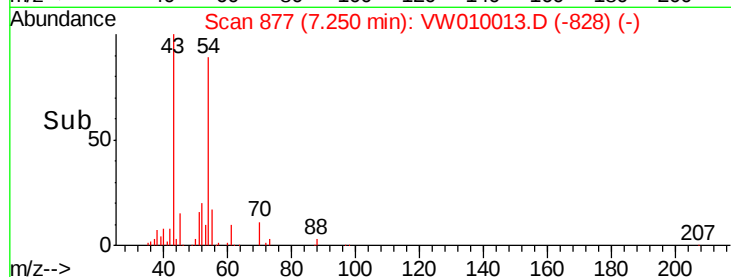
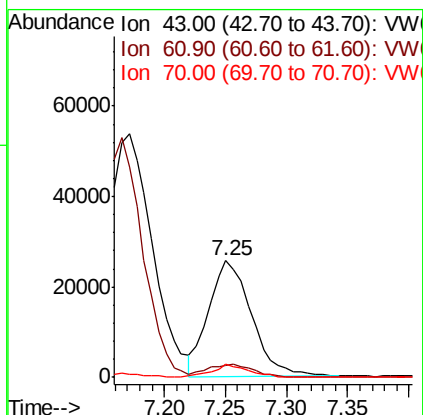
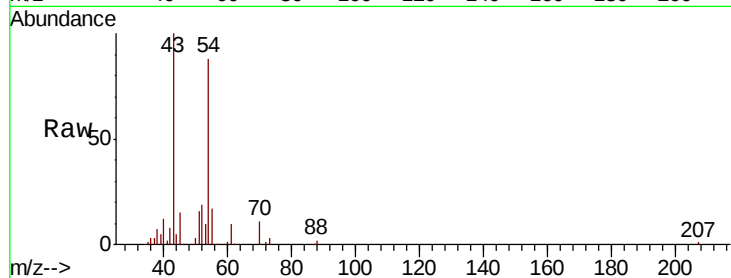




#37
Ethyl Acetate
Concen: 19.248 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

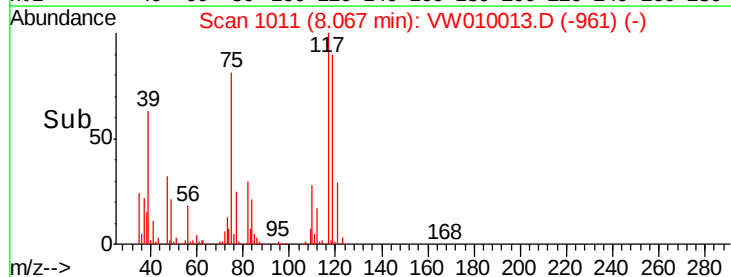
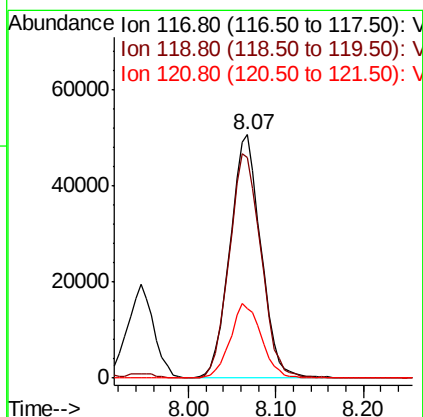
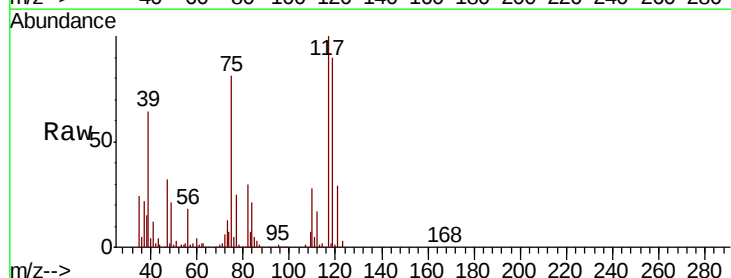
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

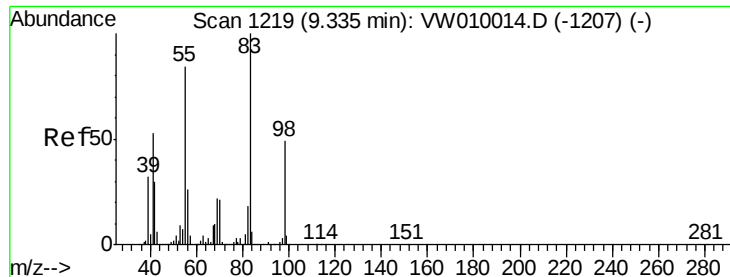
Tgt Ion: 43 Resp: 61837
Ion Ratio Lower Upper
43 100
61 11.5 9.8 14.8
70 9.8 7.4 11.0



#38
Carbon Tetrachloride
Concen: 20.187 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 117 Resp: 124565
Ion Ratio Lower Upper
117 100
119 90.3 75.3 112.9
121 28.8 24.4 36.6

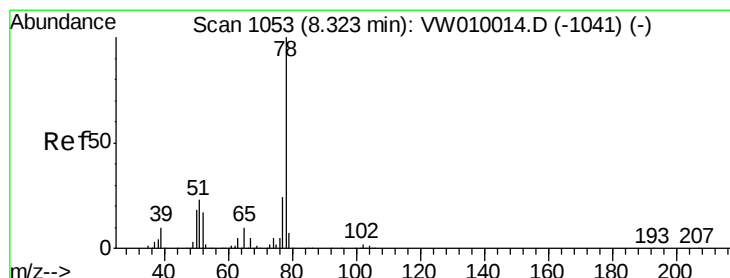
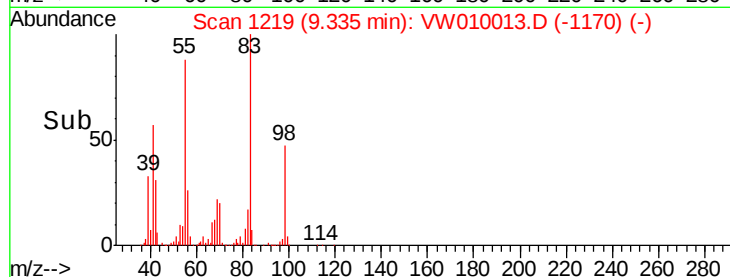
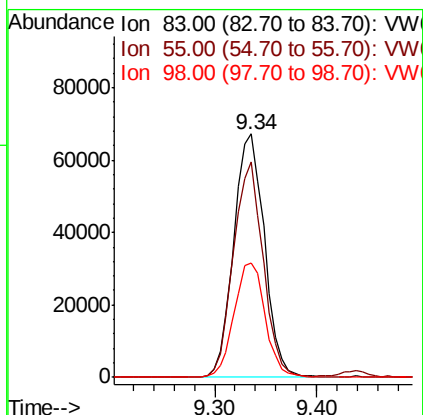
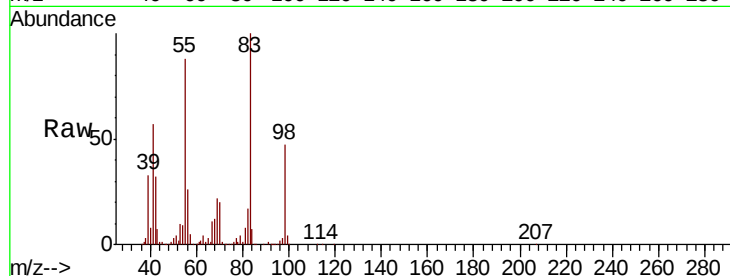




#39
Methylcyclohexane
Concen: 19.727 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

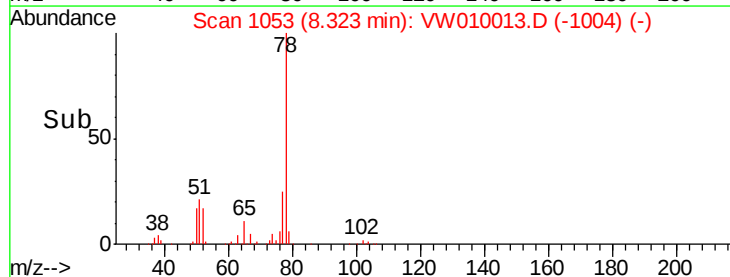
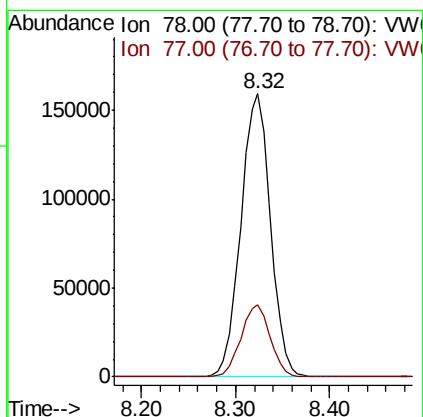
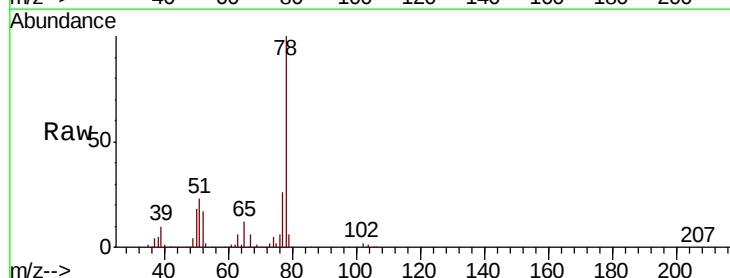
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

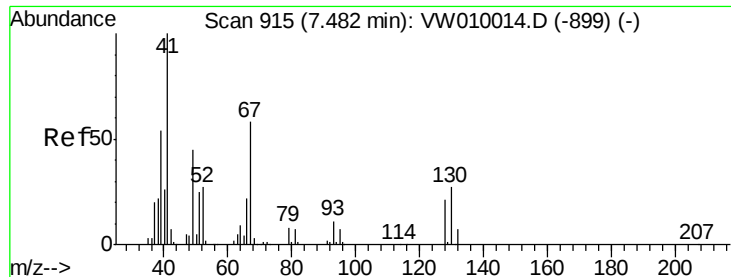
Tgt Ion: 83 Resp: 140345
Ion Ratio Lower Upper
83 100
55 88.5 67.1 100.7
98 46.9 39.2 58.8



#40
Benzene
Concen: 20.221 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 78 Resp: 349554
Ion Ratio Lower Upper
78 100
77 25.5 19.1 28.7





#41

Methacrylonitrile

Concen: 19.441 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 35597

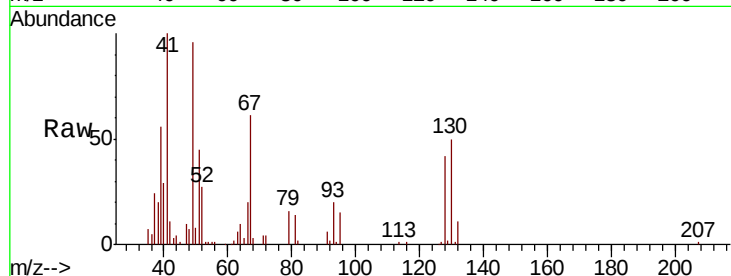
Ion Ratio Lower Upper

41 100

39 57.5 45.0 67.4

67 63.2 50.7 76.1

52 30.5 22.6 33.8

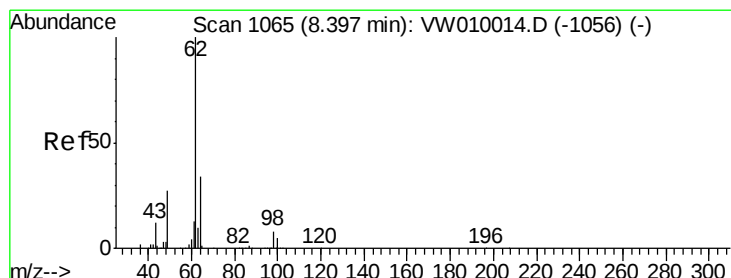
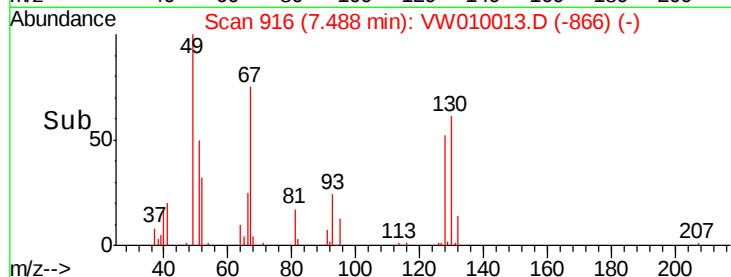
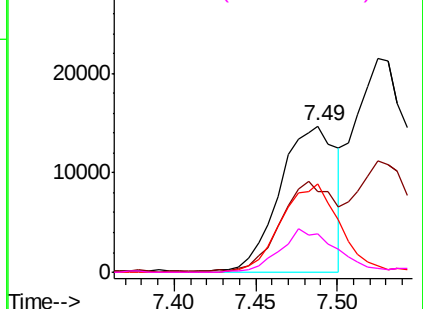


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.941 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010013.D

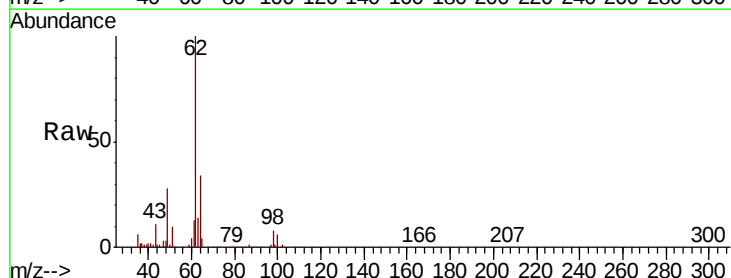
Acq: 17 Apr 2019 11:49

Tgt Ion: 62 Resp: 118470

Ion Ratio Lower Upper

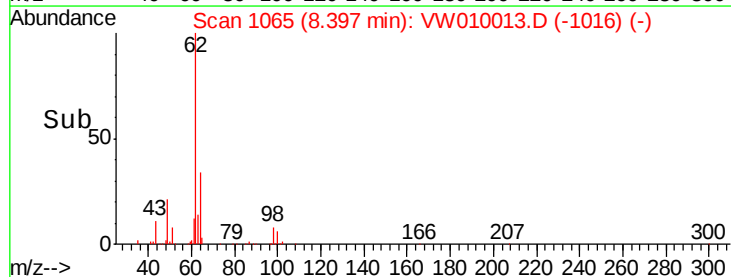
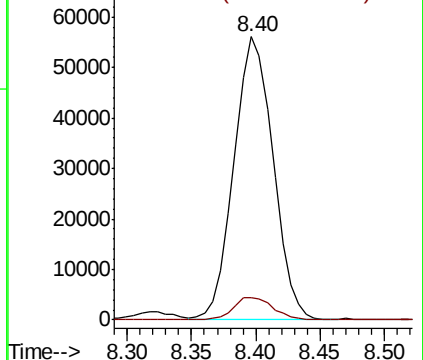
62 100

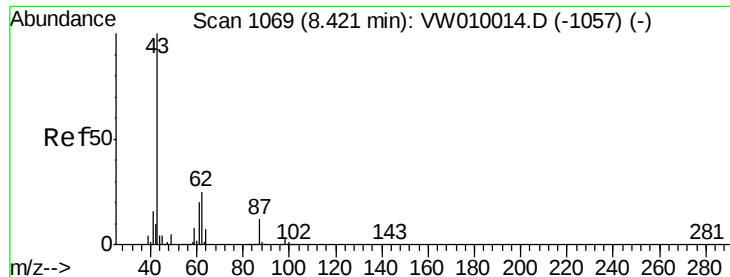
98 8.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.348 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

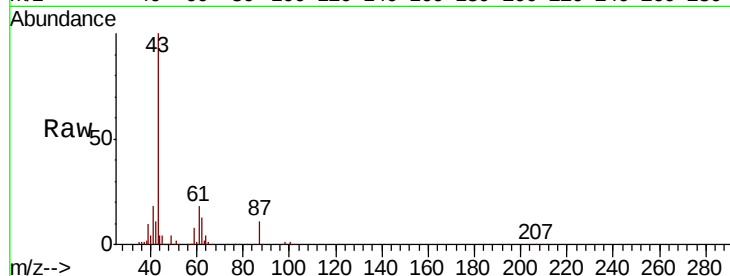
Tgt Ion: 43 Resp: 116480

Ion Ratio Lower Upper

43 100

61 28.7 23.0 34.6

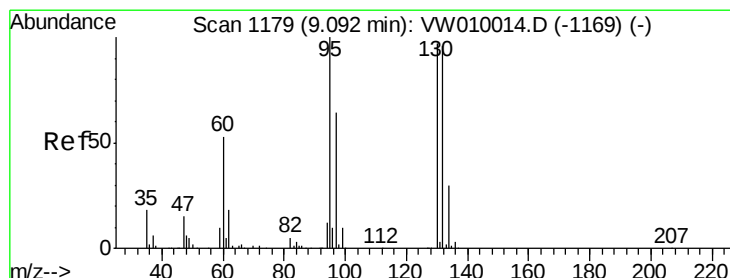
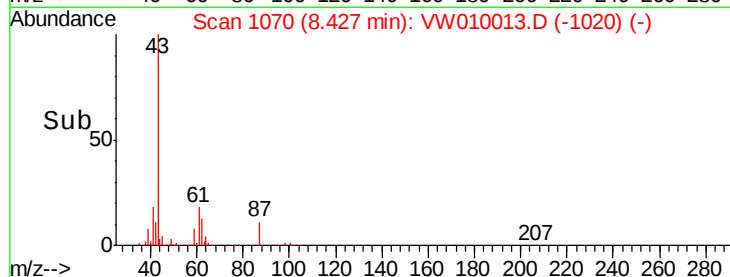
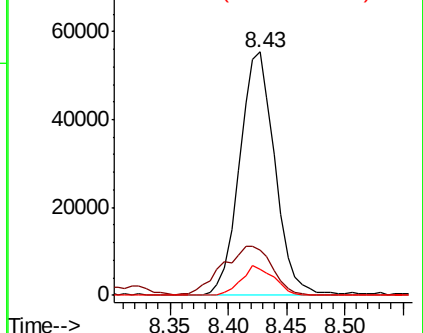
87 11.5 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.375 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010013.D

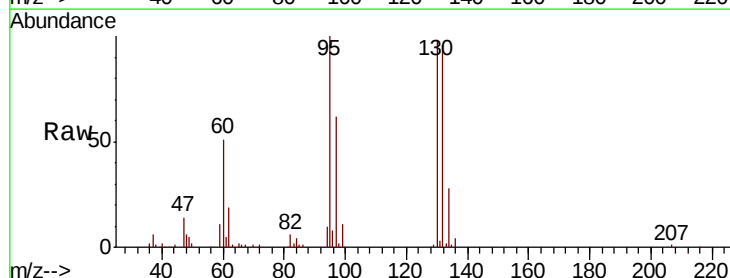
Acq: 17 Apr 2019 11:49

Tgt Ion: 130 Resp: 89459

Ion Ratio Lower Upper

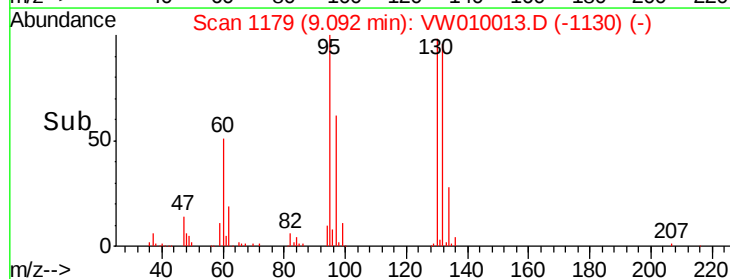
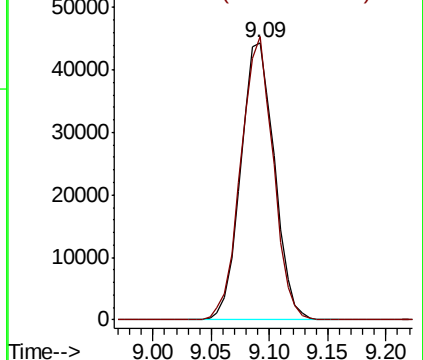
130 100

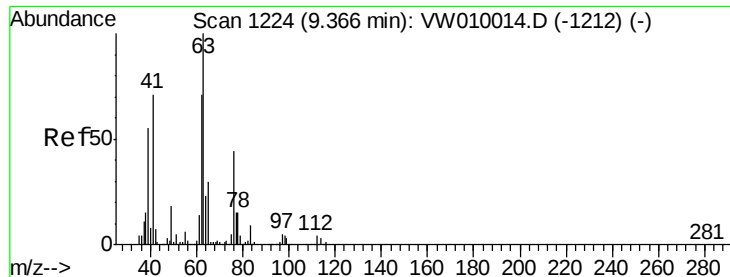
95 102.1 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

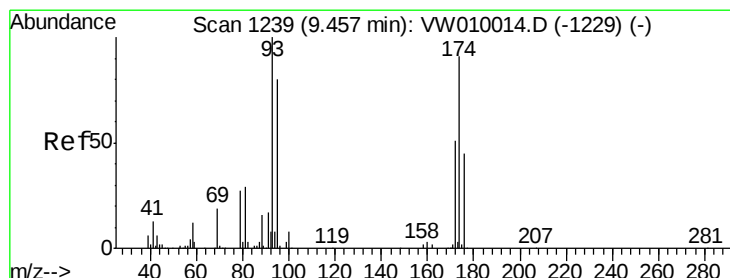
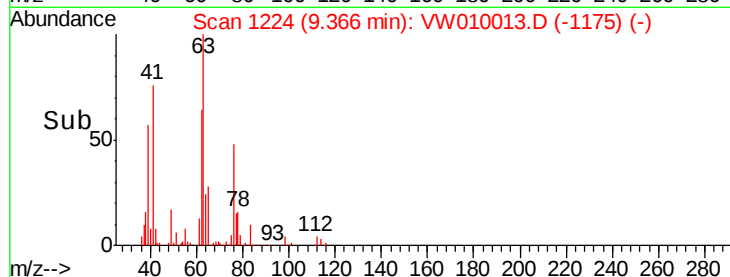
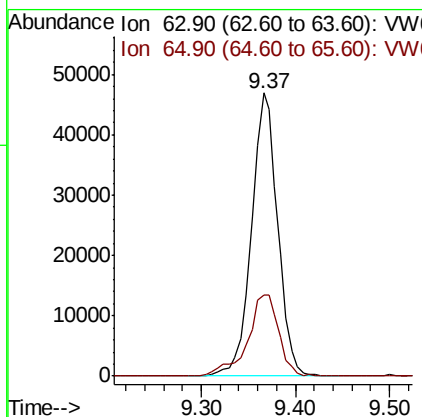
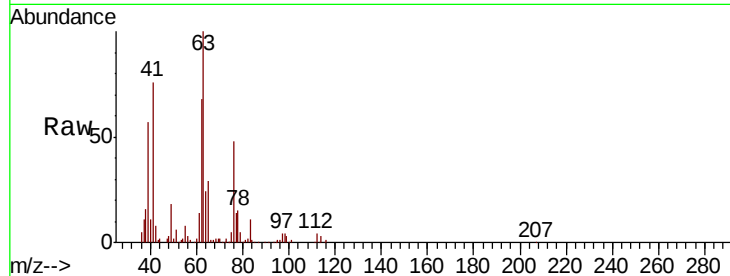




#45
 1,2-Dichloropropane
 Concen: 20.152 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

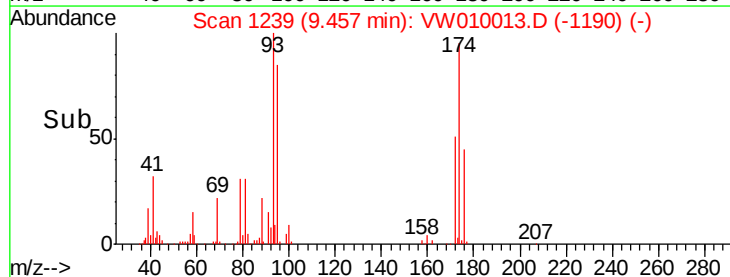
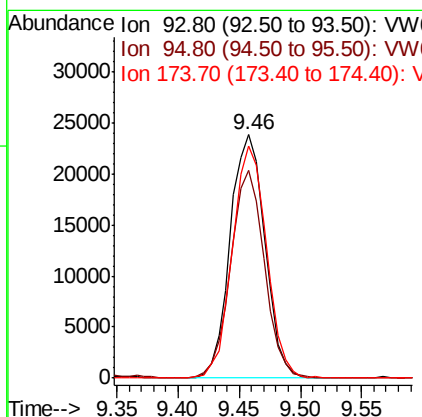
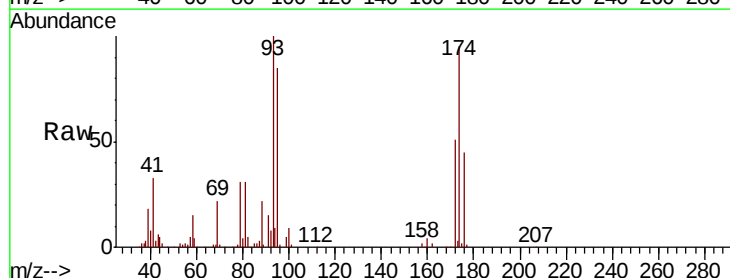
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

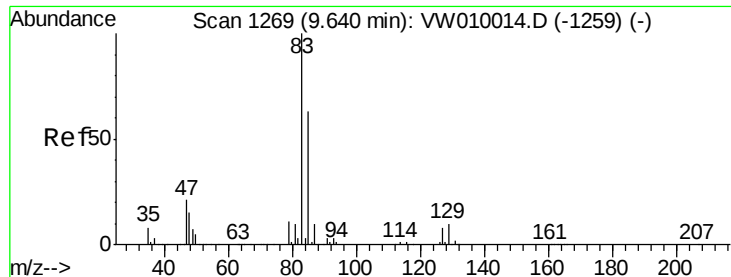
Tgt Ion: 63 Resp: 91567
 Ion Ratio Lower Upper
 63 100
 65 28.6 23.8 35.6



#46
 Dibromomethane
 Concen: 19.885 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 93 Resp: 46830
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.8 98.8
 174 94.1 75.5 113.3

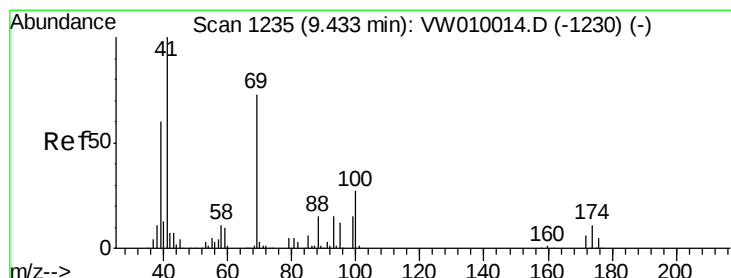
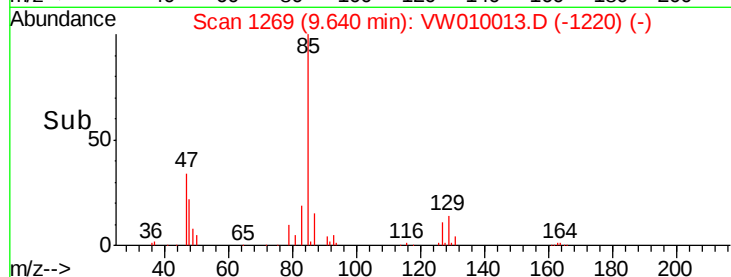
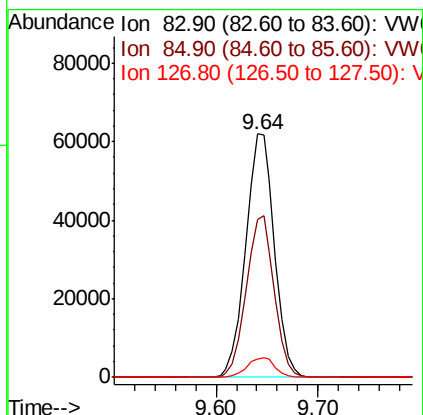
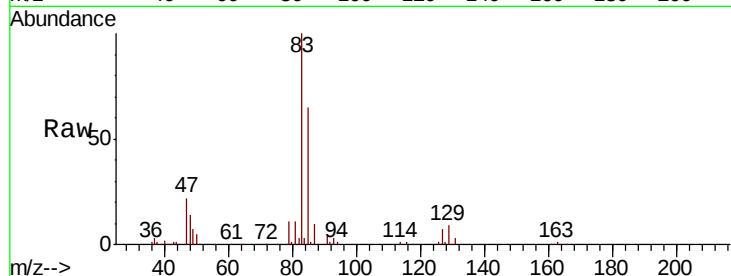




#47
Bromodichloromethane
Concen: 19.892 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

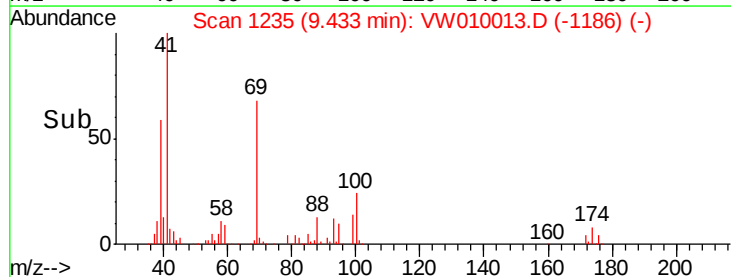
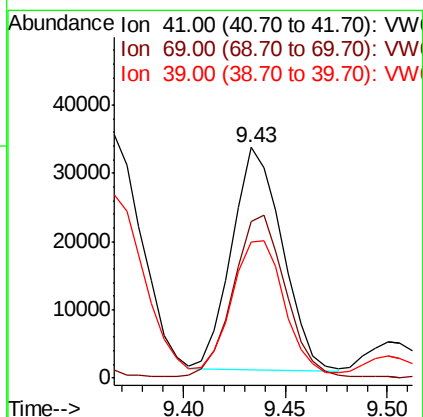
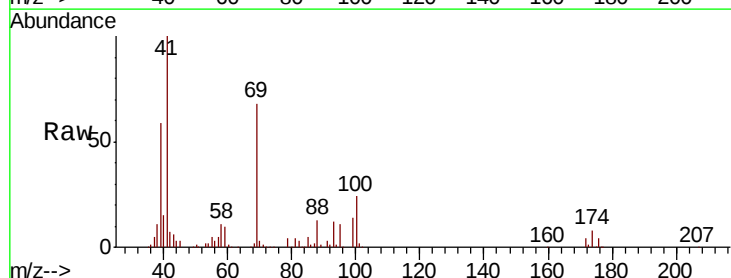
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

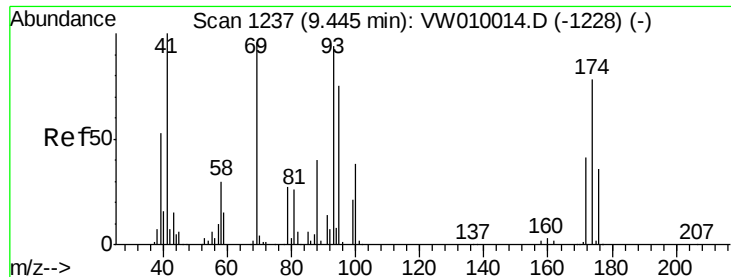
Tgt Ion: 83 Resp: 120931
Ion Ratio Lower Upper
83 100
85 64.7 50.6 75.8
127 7.3 6.6 10.0



#48
Methyl methacrylate
Concen: 19.102 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 41 Resp: 55979
Ion Ratio Lower Upper
41 100
69 77.4 60.1 90.1
39 65.4 51.0 76.6

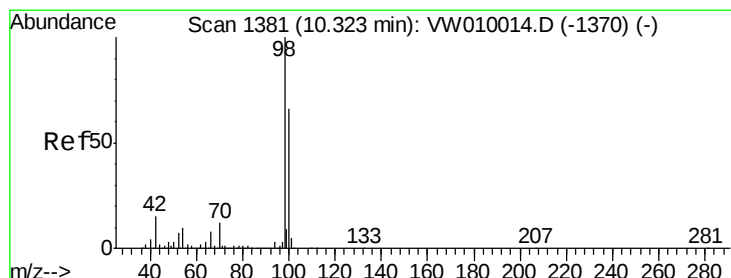
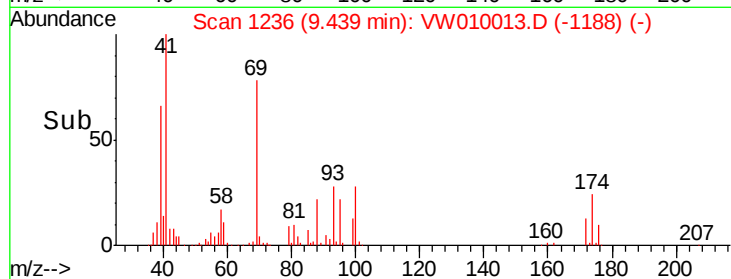
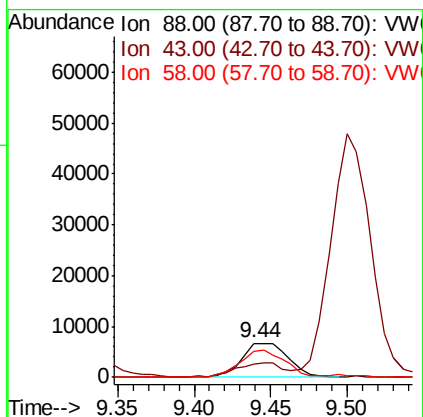
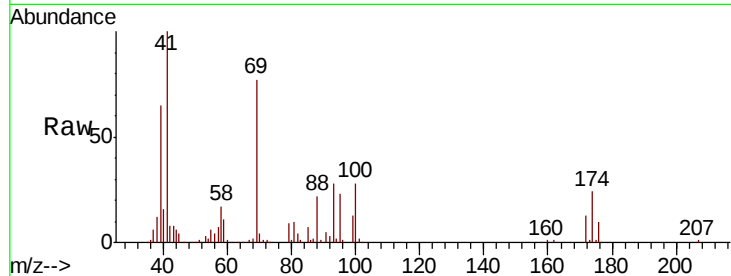




#49
1,4-Dioxane
Concen: 404.746 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

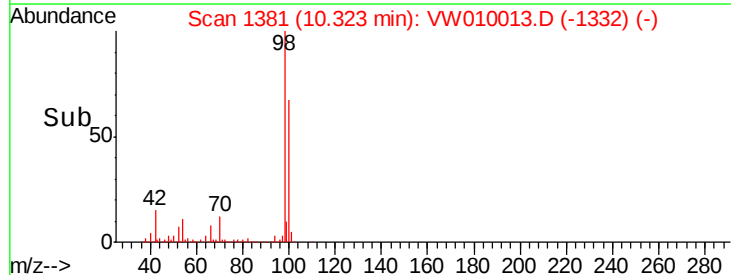
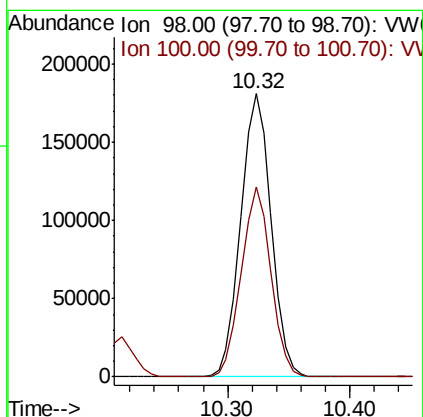
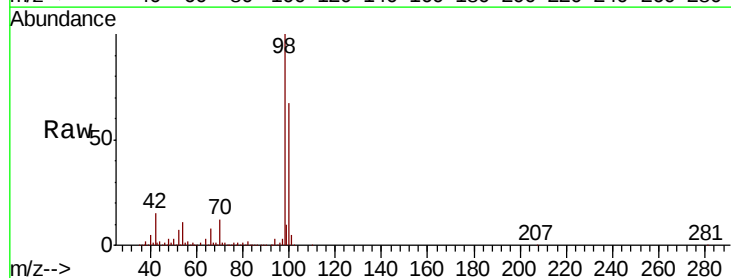
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

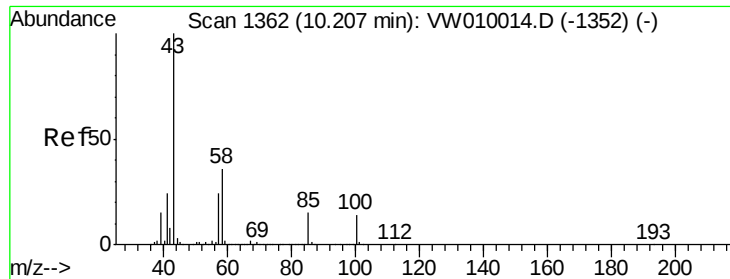
Tgt Ion: 88 Resp: 14565
Ion Ratio Lower Upper
88 100
43 38.9 31.9 47.9
58 77.5 61.8 92.6



#50
Toluene-d8
Concen: 21.200 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 98 Resp: 312594
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

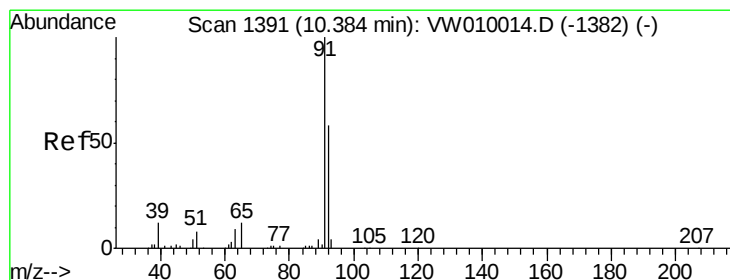
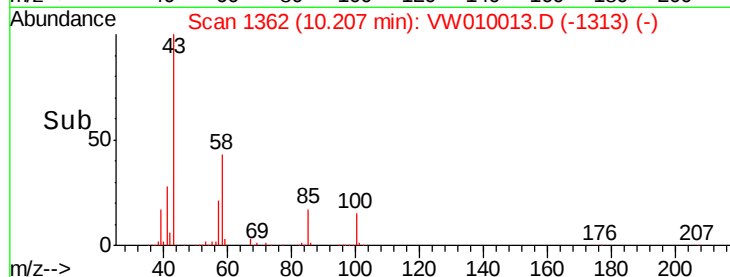
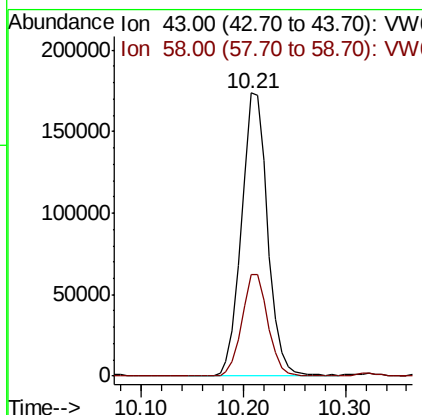
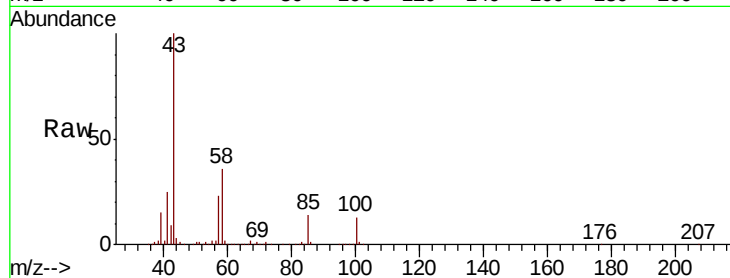




#51
 4-Methyl-2-Pentanone
 Concen: 97.874 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

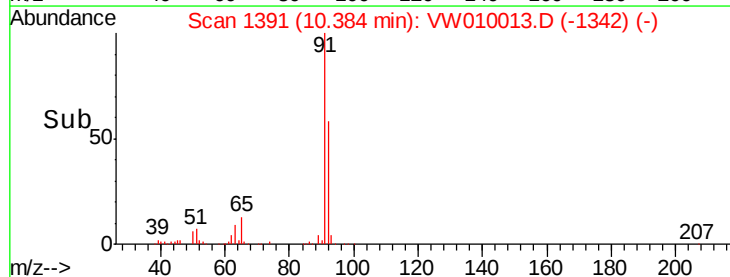
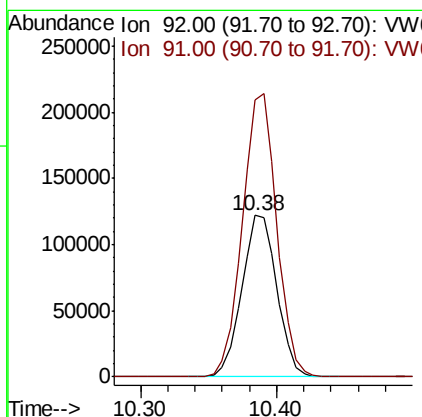
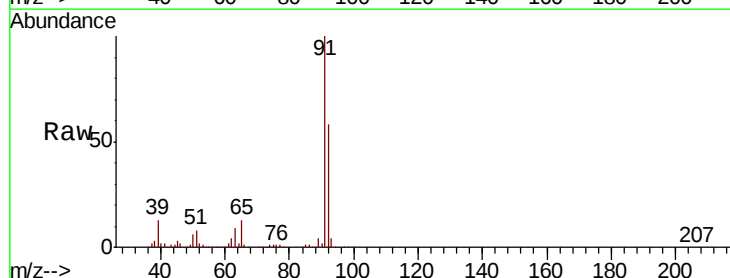
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

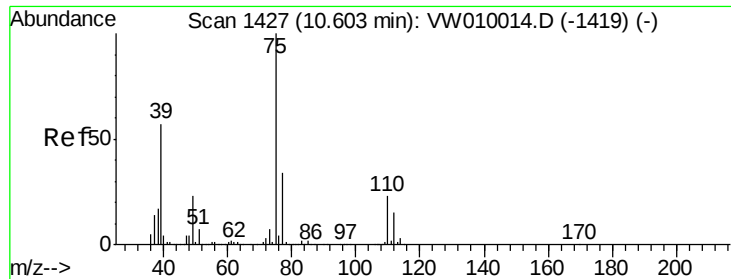
Tgt Ion: 43 Resp: 308609
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.9 43.3



#52
 Toluene
 Concen: 20.388 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 92 Resp: 219543
 Ion Ratio Lower Upper
 92 100
 91 171.9 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 19.580 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

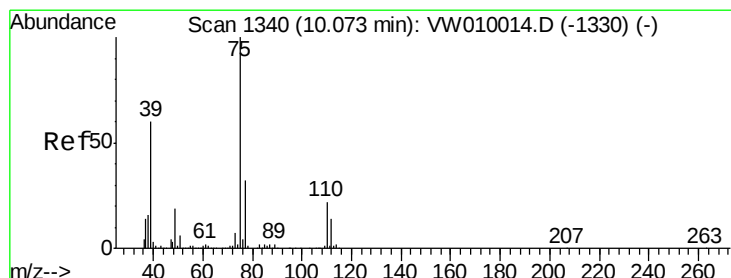
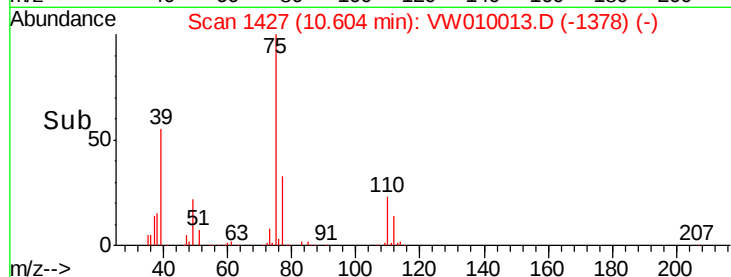
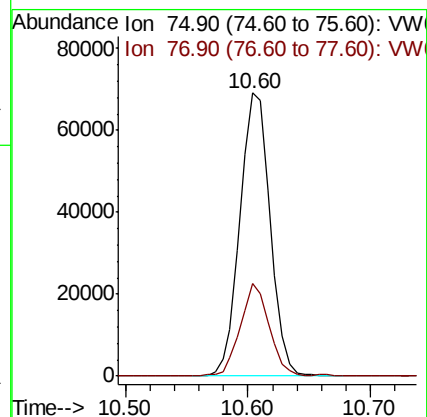
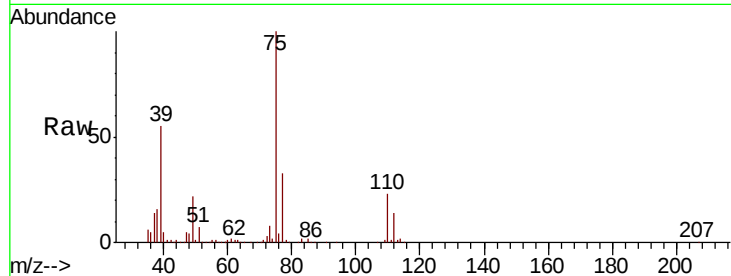
VSTDIC020

Tgt Ion: 75 Resp: 118020

Ion Ratio Lower Upper

75 100

77 32.4 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 19.833 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

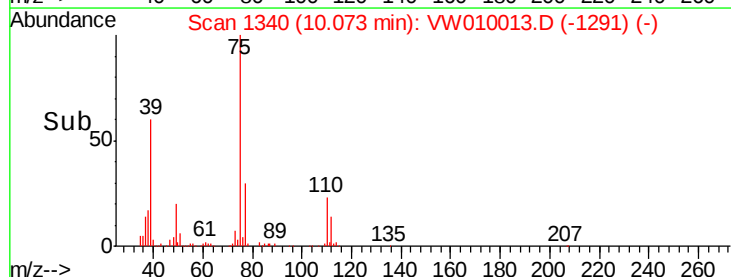
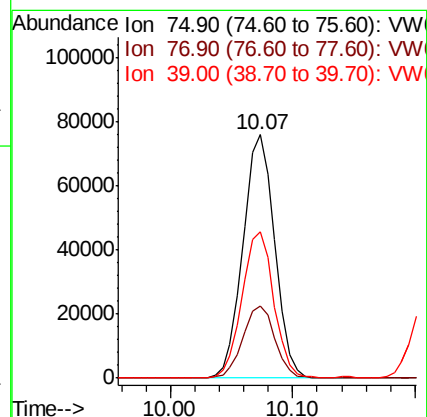
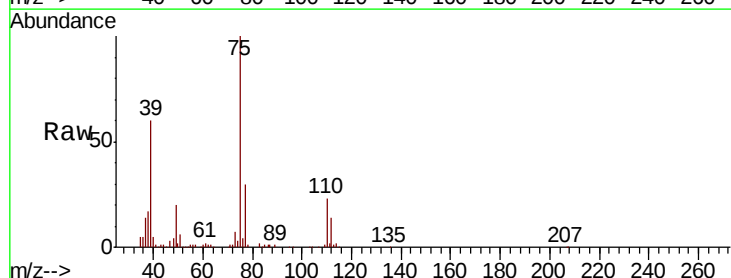
Tgt Ion: 75 Resp: 136504

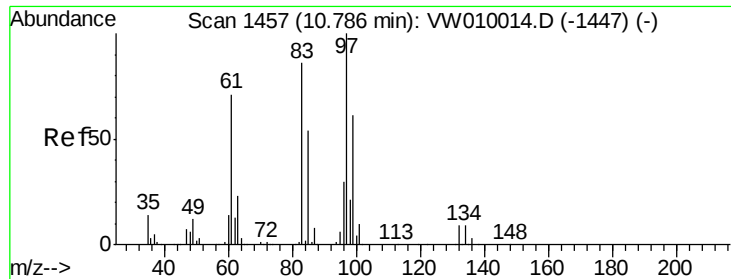
Ion Ratio Lower Upper

75 100

77 29.7 25.6 38.4

39 59.7 47.8 71.6

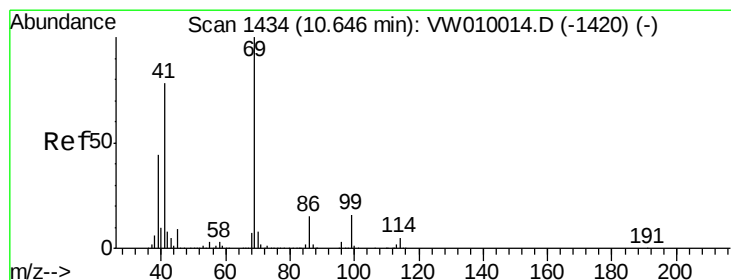
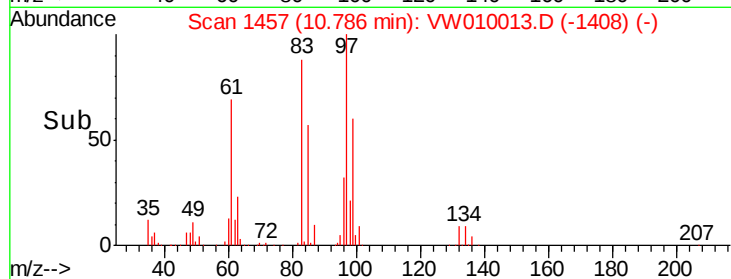
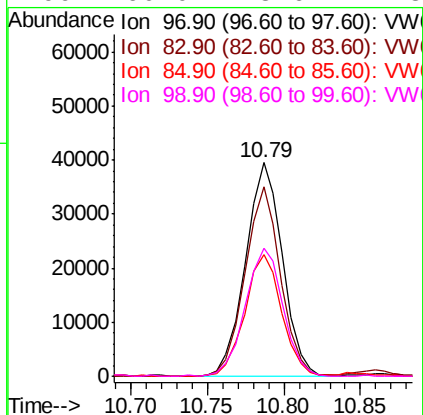
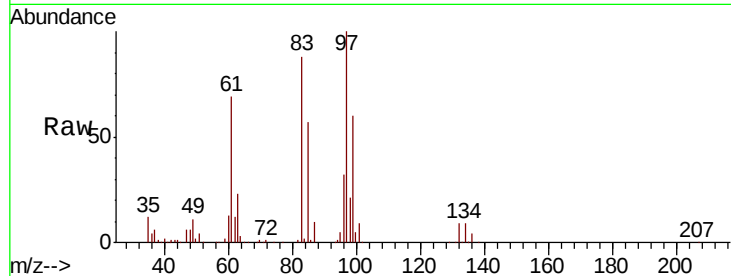




#55
 1,1,2-Trichloroethane
 Concen: 20.141 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

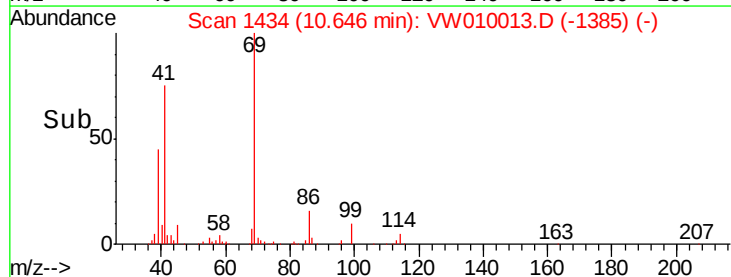
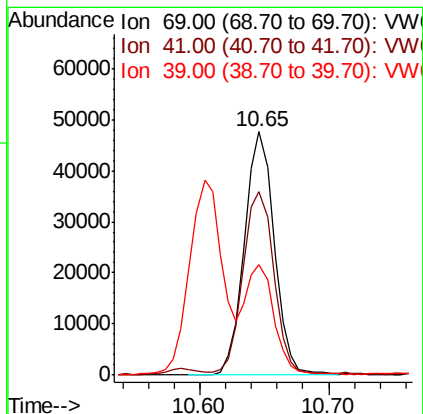
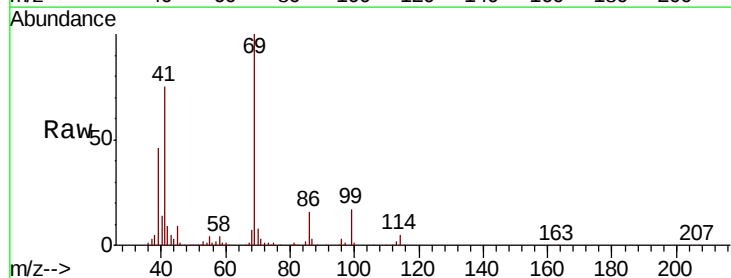
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

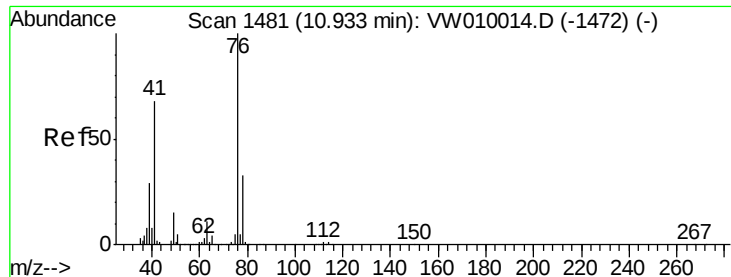
Tgt Ion:	97	Resp:	66206
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.9	103.3
85	57.0	42.9	64.3
99	60.0	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 18.513 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion:	69	Resp:	75652
Ion	Ratio	Lower	Upper
69	100		
41	77.7	61.0	91.6
39	44.1	33.8	50.6

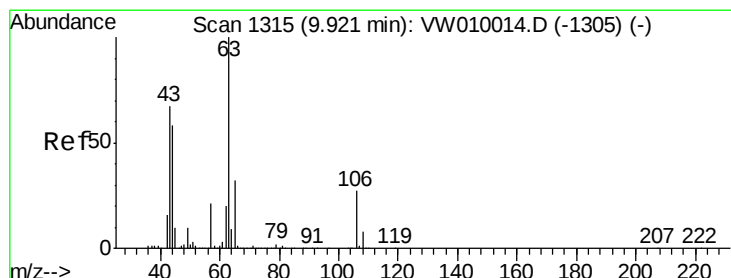
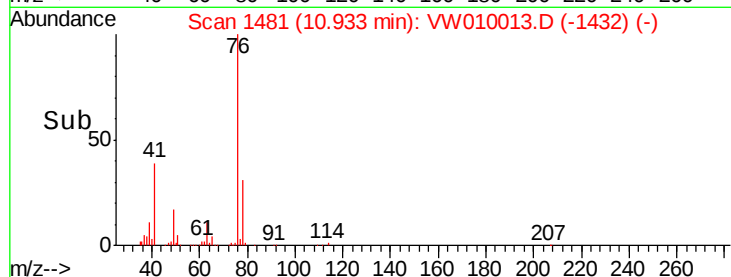
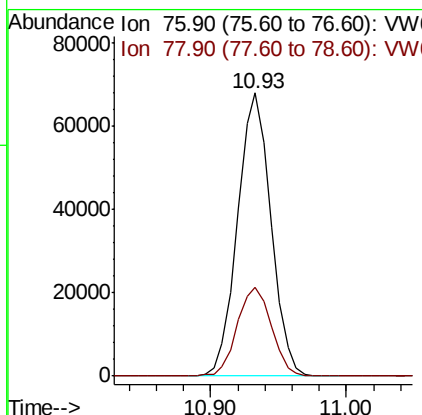
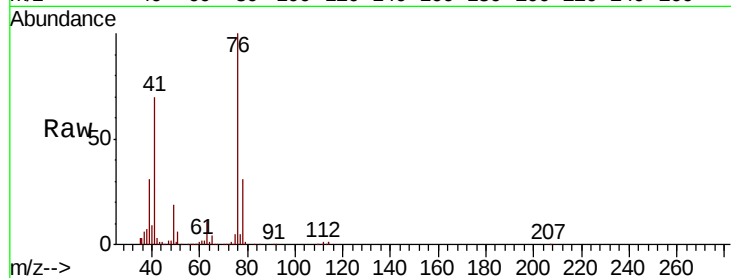




#57
 1,3-Dichloropropane
 Concen: 19.806 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

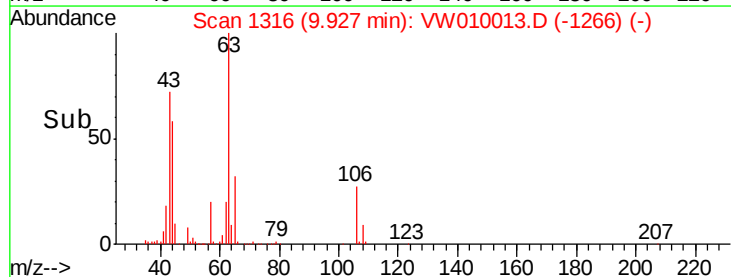
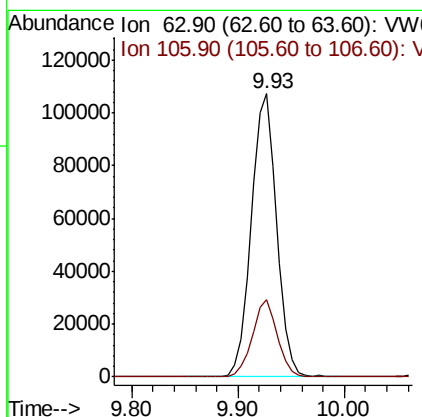
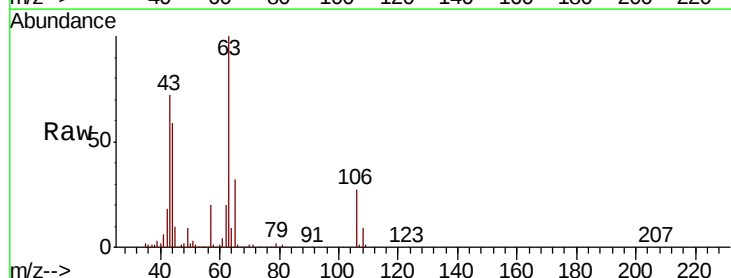
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

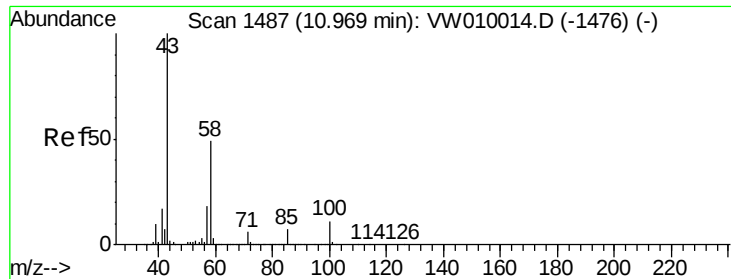
Tgt Ion: 76 Resp: 116692
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.229 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 63 Resp: 179189
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.4 32.0

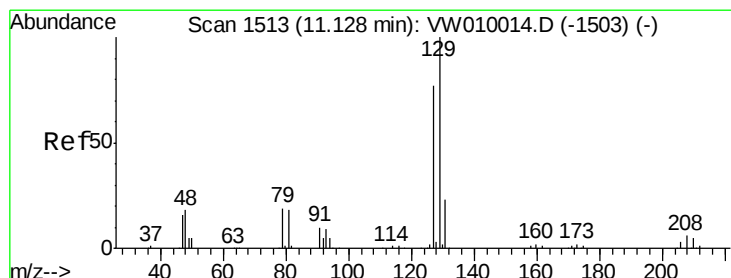
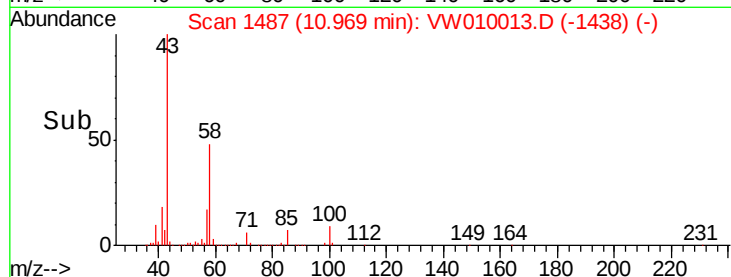
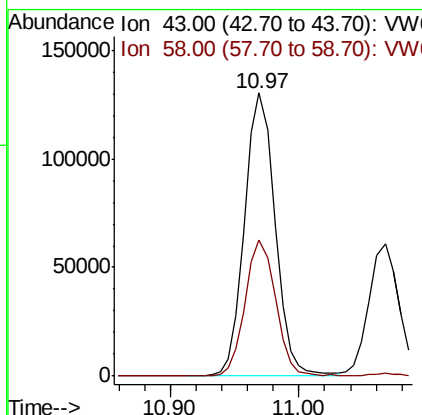
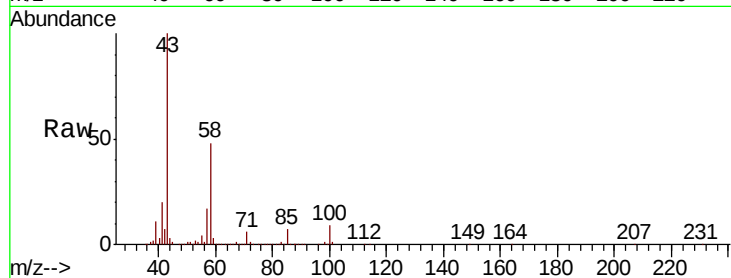




#59
2-Hexanone
Concen: 97.246 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

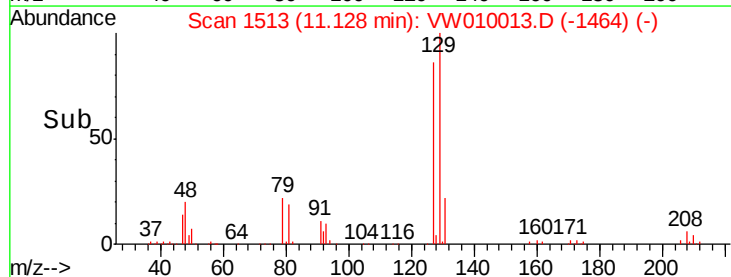
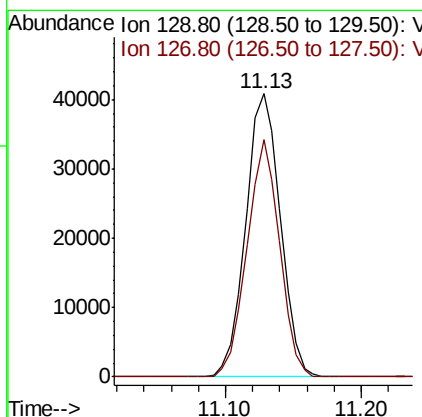
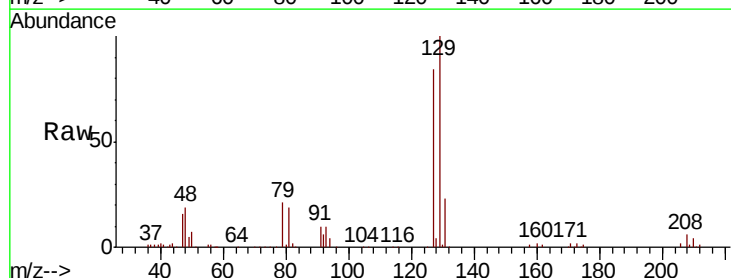
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

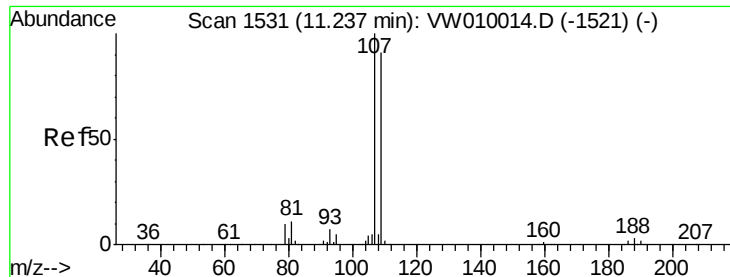
Tgt Ion: 43 Resp: 213448
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.7



#60
Dibromochloromethane
Concen: 19.214 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 129 Resp: 73000
Ion Ratio Lower Upper
129 100
127 78.8 38.6 116.0

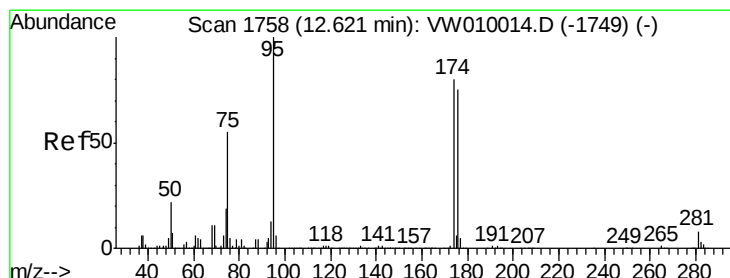
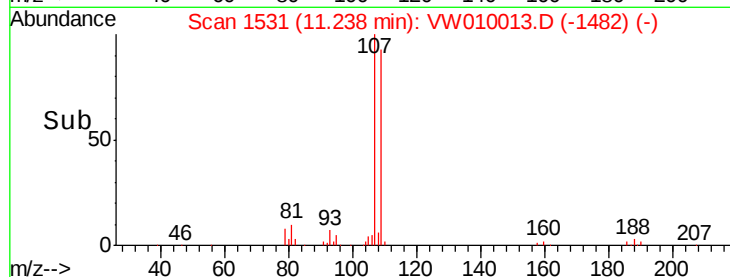
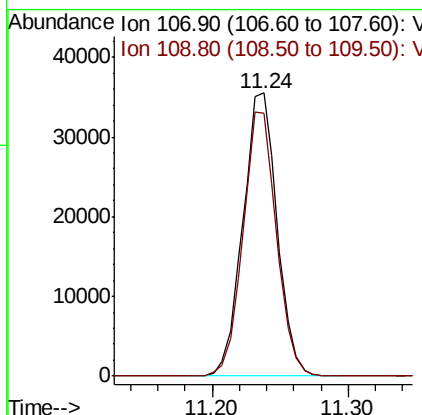
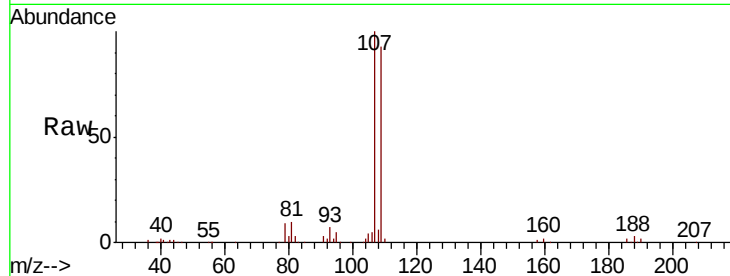




#61
 1,2-Dibromoethane
 Concen: 20.010 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

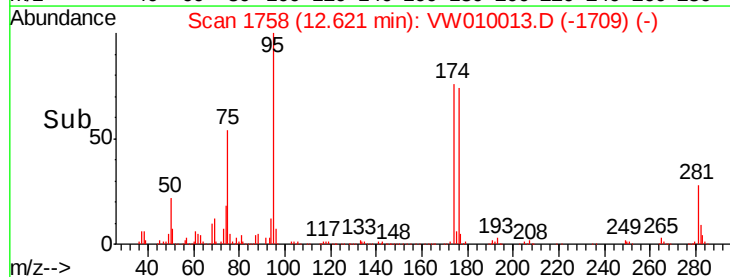
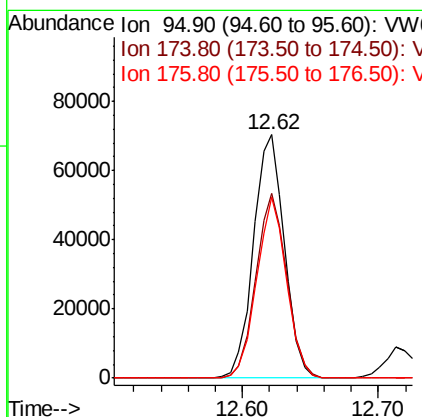
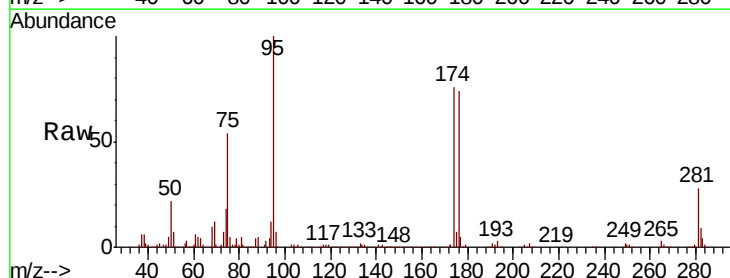
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

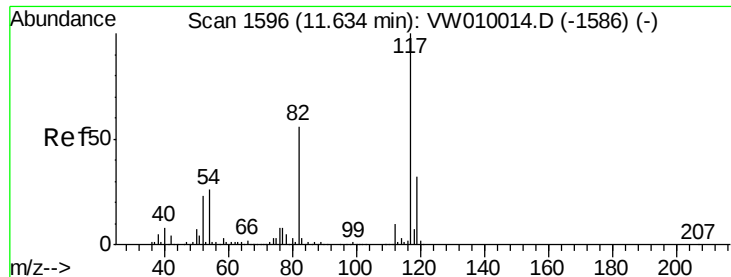
Tgt Ion: 107 Resp: 62569
 Ion Ratio Lower Upper
 107 100
 109 91.4 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 20.890 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 95 Resp: 111968
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 151.4
 176 72.3 0.0 146.2

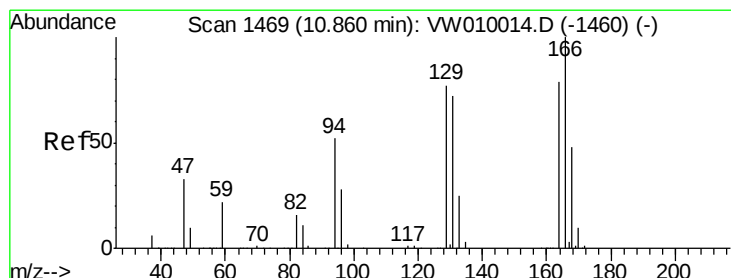
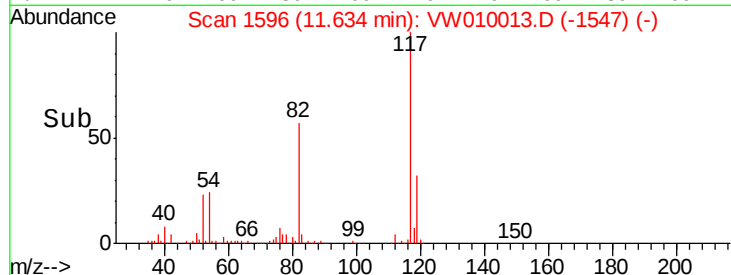
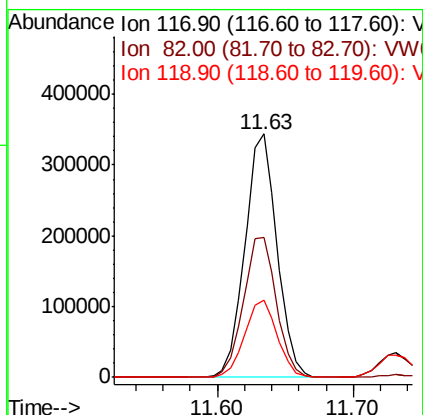
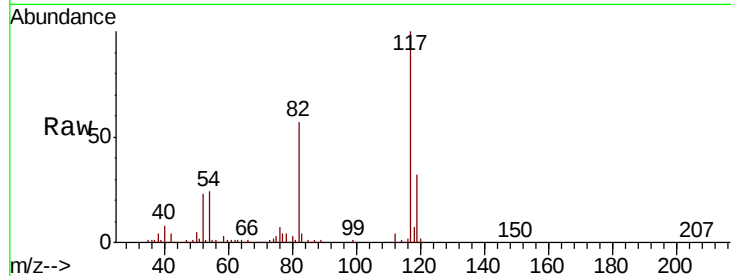




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

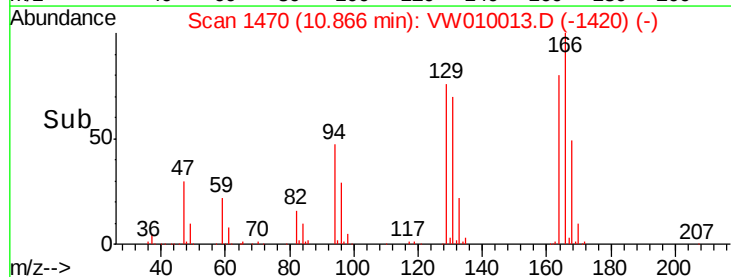
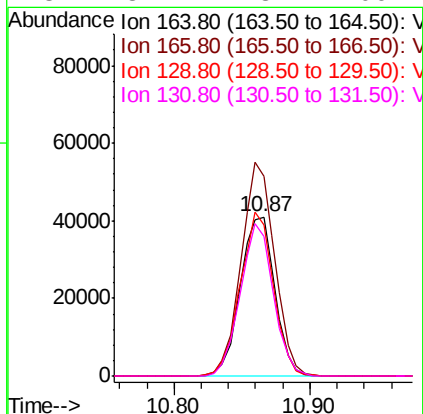
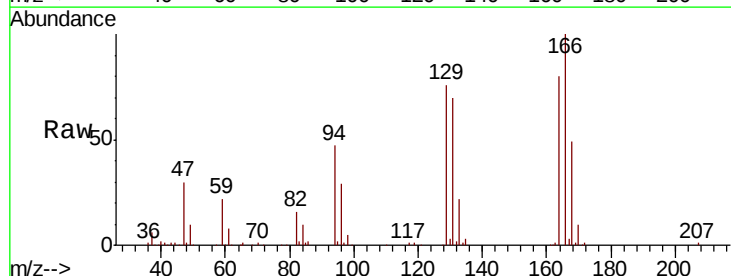
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

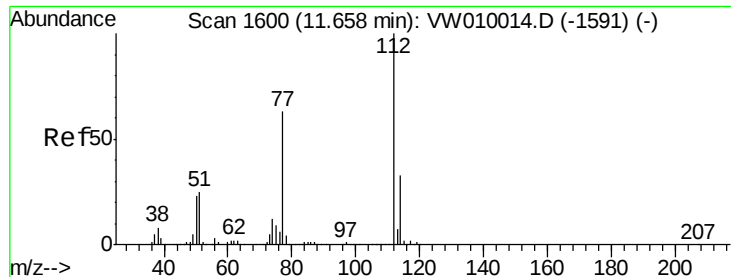
Tgt Ion:117 Resp: 567440
Ion Ratio Lower Upper
117 100
82 57.2 45.2 67.8
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 19.729 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion:164 Resp: 72673
Ion Ratio Lower Upper
164 100
166 125.5 101.2 151.8
129 94.8 77.8 116.6
131 87.4 73.1 109.7





#65

Chlorobenzene

Concen: 20.655 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

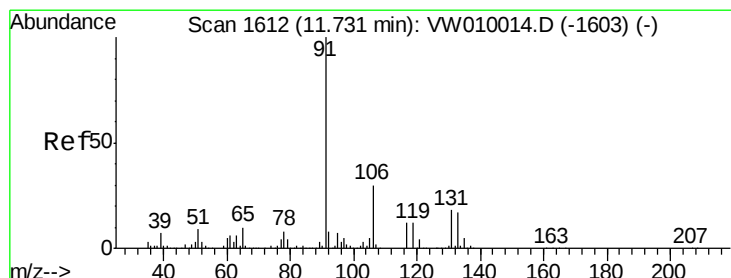
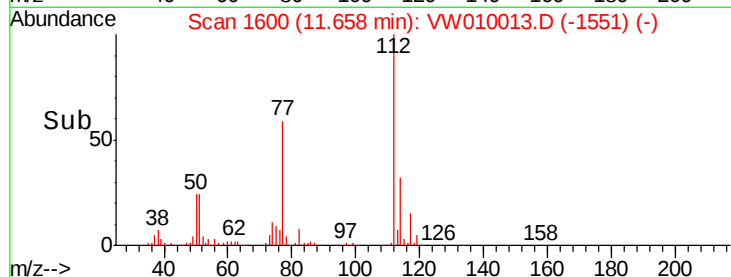
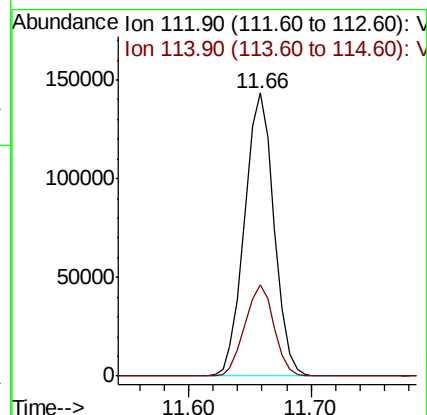
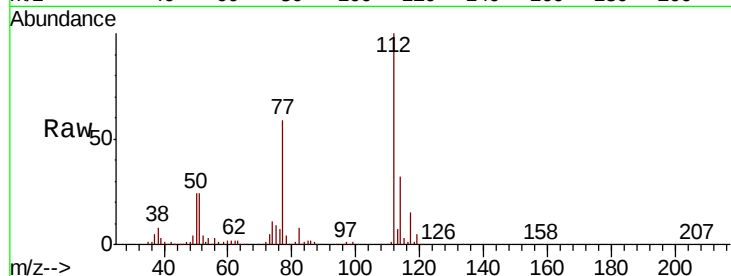
VSTDIC020

Tgt Ion:112 Resp: 239889

Ion Ratio Lower Upper

112 100

114 32.2 26.5 39.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.975 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

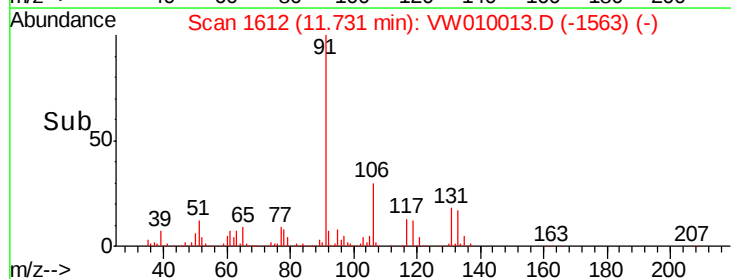
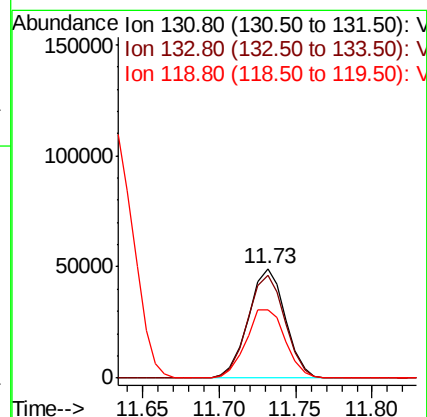
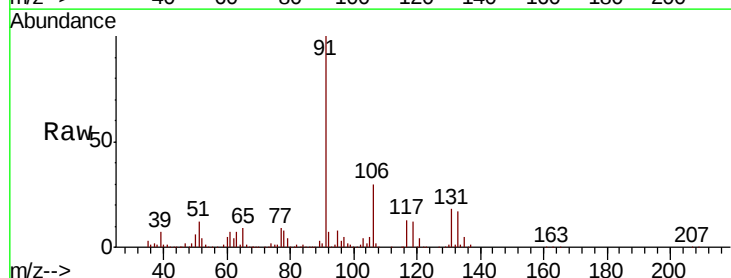
Tgt Ion:131 Resp: 82962

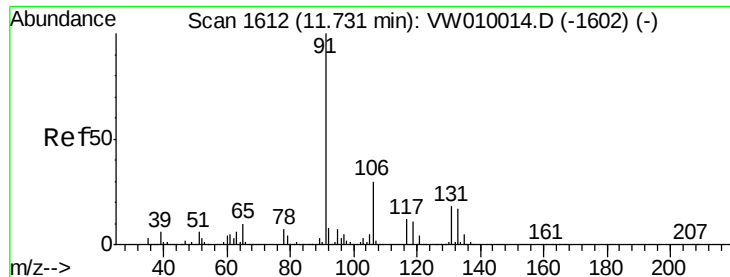
Ion Ratio Lower Upper

131 100

133 95.2 46.5 139.5

119 66.4 31.9 95.5

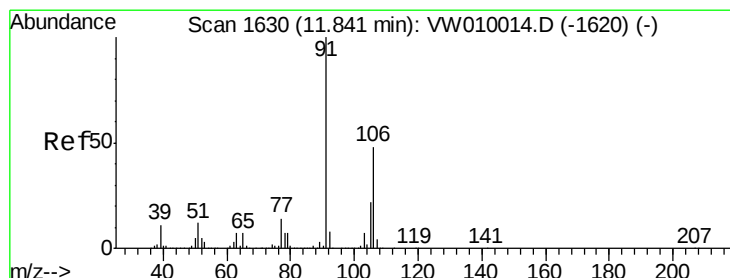
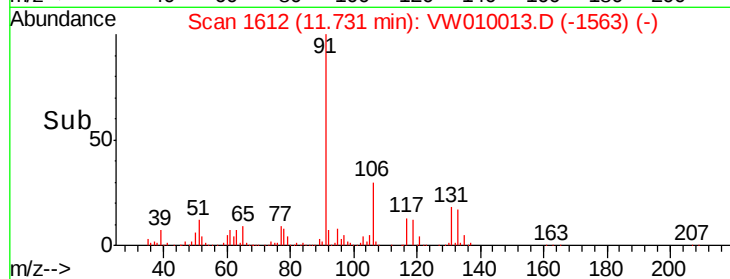
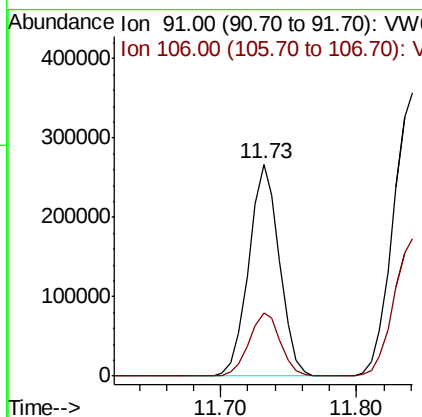
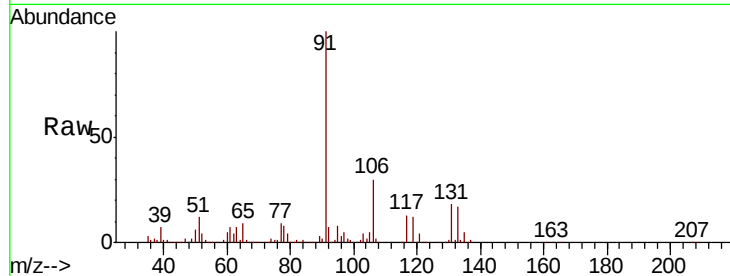




#67
Ethyl Benzene
Concen: 20.283 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

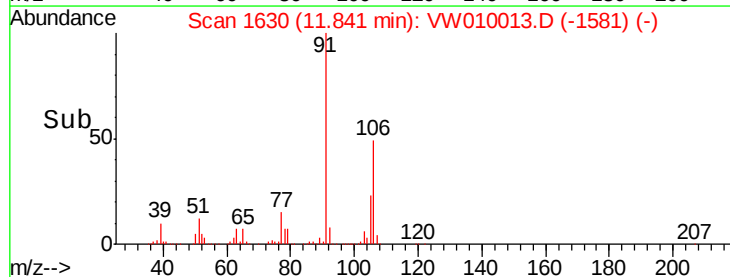
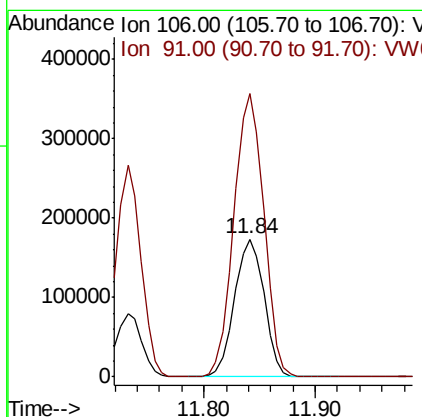
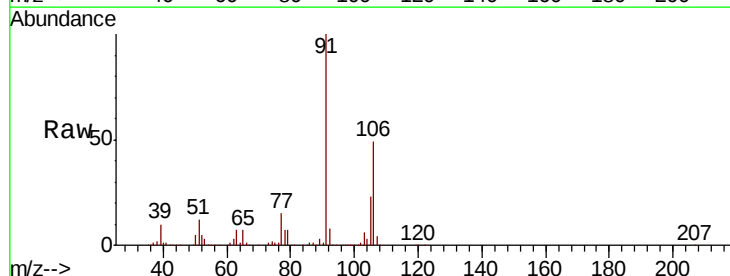
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

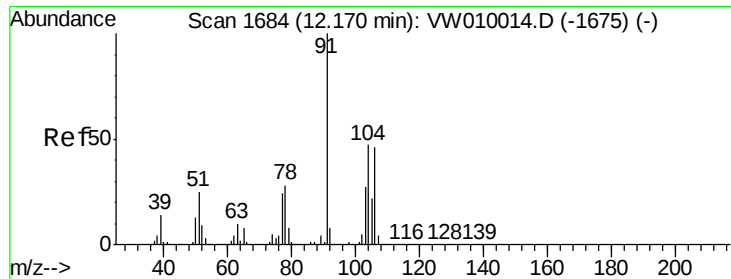
Tgt Ion: 91 Resp: 420286
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8



#68
m/p-Xylenes
Concen: 41.326 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 106 Resp: 320098
Ion Ratio Lower Upper
106 100
91 208.1 165.0 247.6

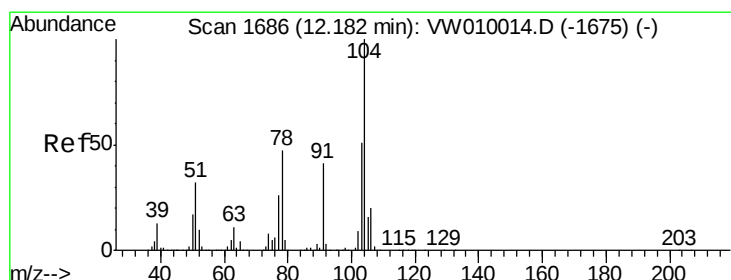
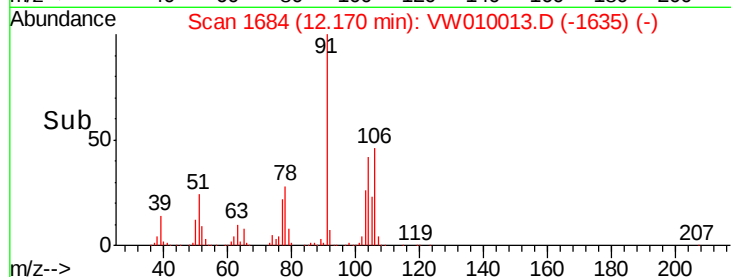
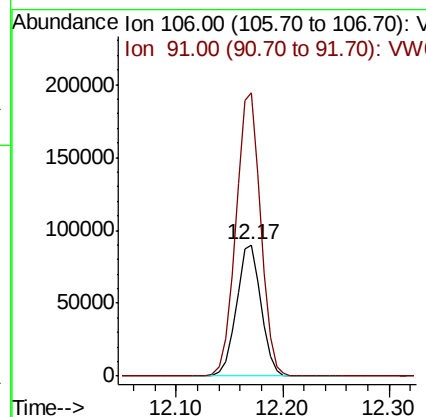
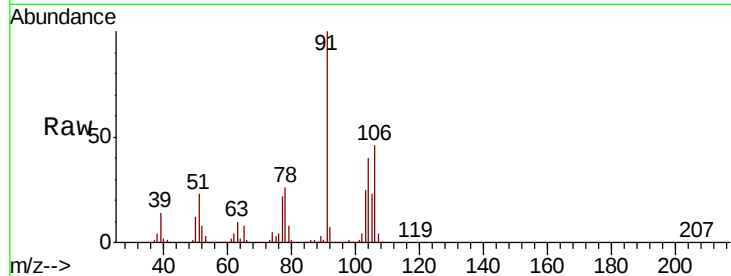




#69
o-Xylene
Concen: 20.588 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

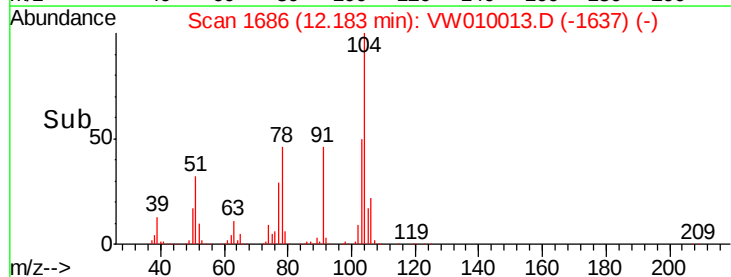
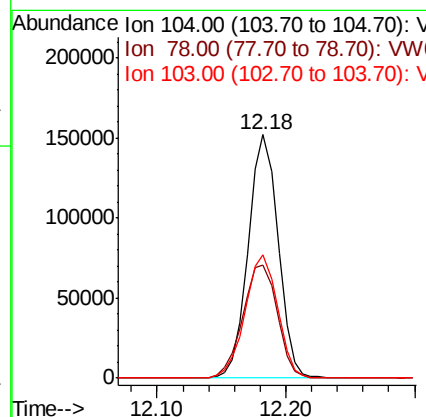
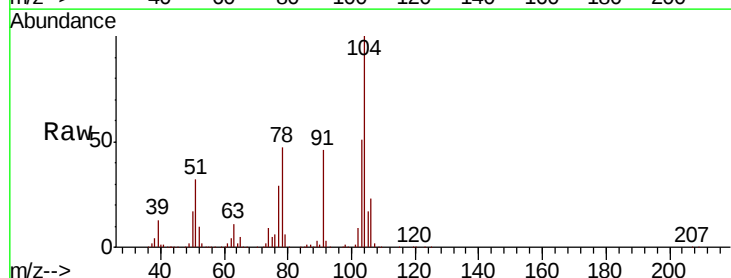
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

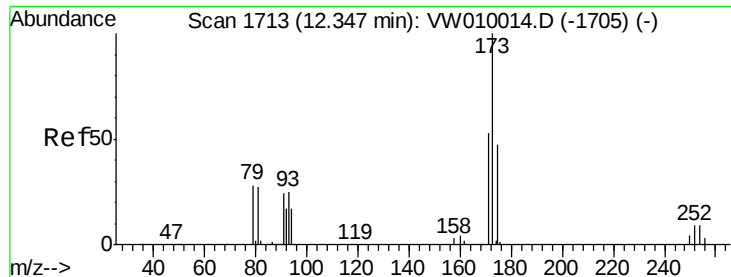
Tgt Ion:106 Resp: 145203
Ion Ratio Lower Upper
106 100
91 217.8 110.5 331.4



#70
Styrene
Concen: 20.063 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion:104 Resp: 243968
Ion Ratio Lower Upper
104 100
78 54.0 42.5 63.7
103 55.2 43.6 65.4





#71

Bromoform

Concen: 19.274 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

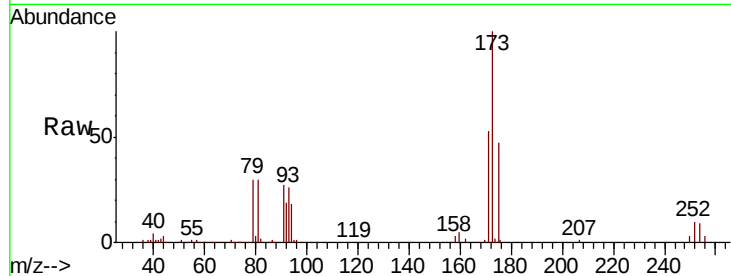
Tgt Ion:173 Resp: 42329

Ion Ratio Lower Upper

173 100

175 48.7 23.8 71.4

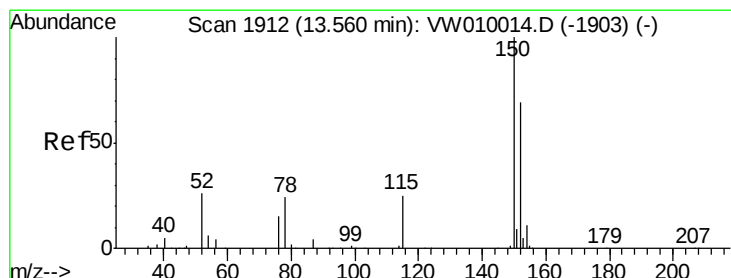
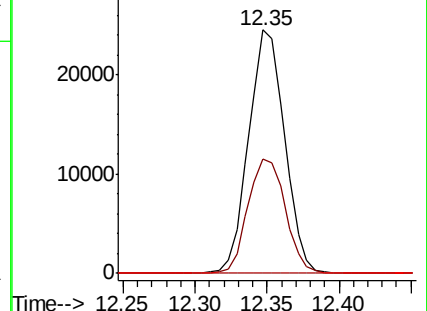
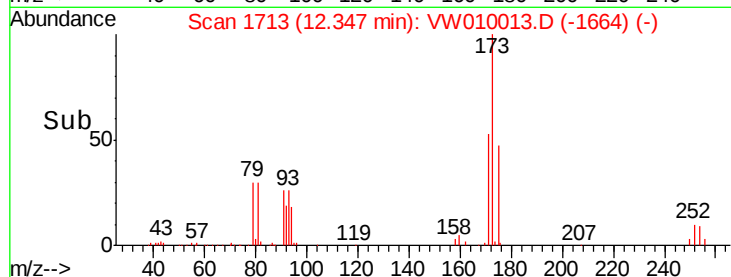
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

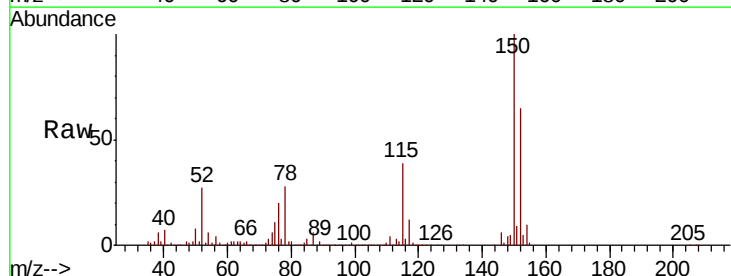
Tgt Ion:152 Resp: 294642

Ion Ratio Lower Upper

152 100

115 59.4 30.4 91.2

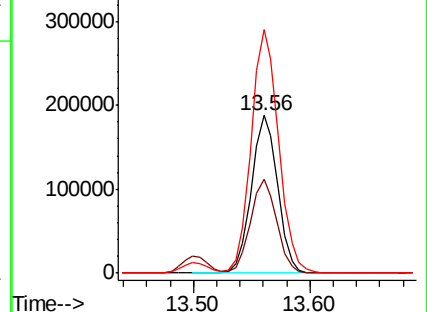
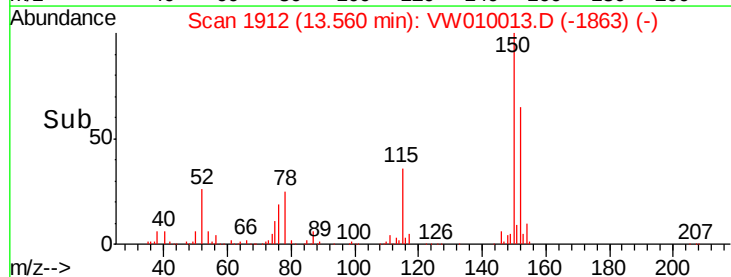
150 162.1 0.0 347.0

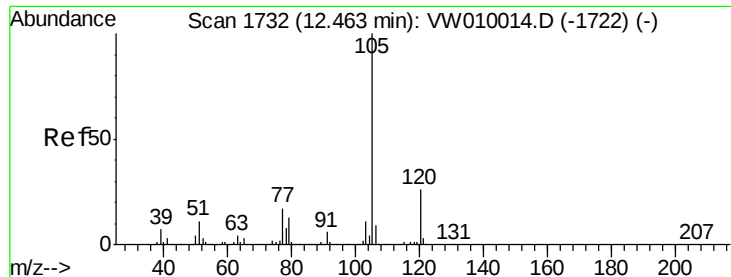


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.094 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

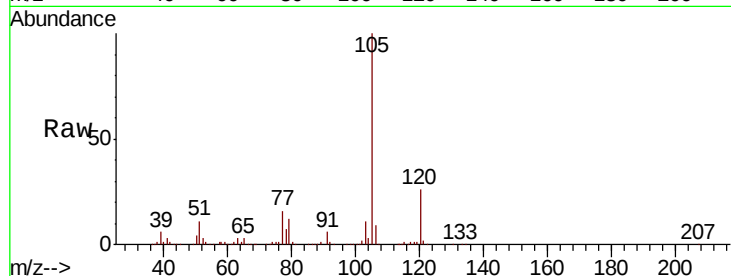
VSTDIC020

Tgt Ion: 105 Resp: 412058

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

250000

200000

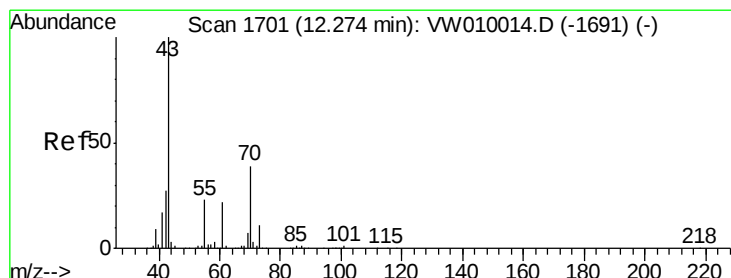
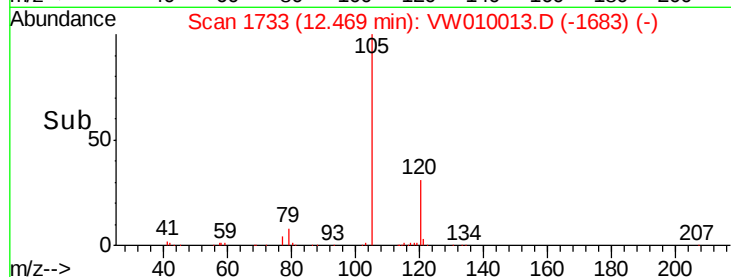
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.200 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion: 43 Resp: 109033

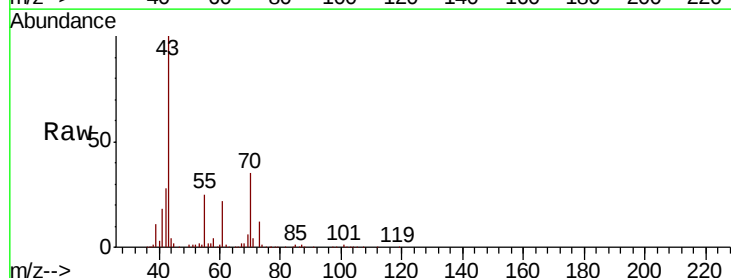
Ion Ratio Lower Upper

43 100

70 37.3 31.3 46.9

55 25.1 20.0 30.0

61 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

100000

80000

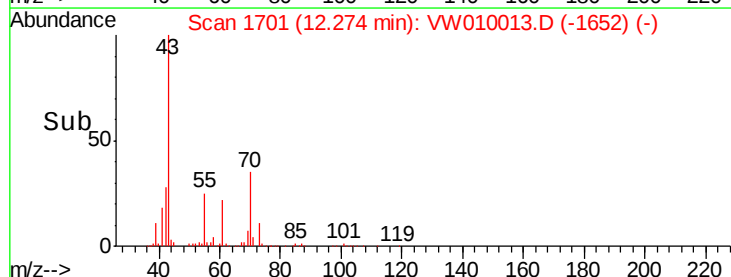
60000

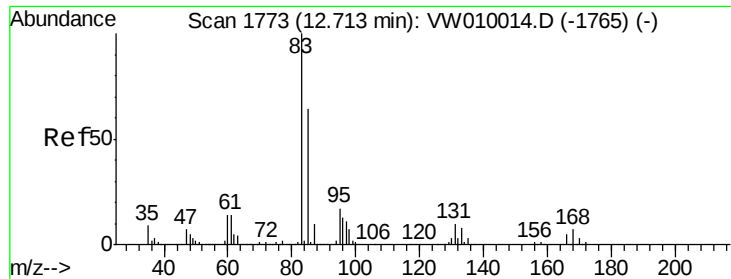
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.146 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

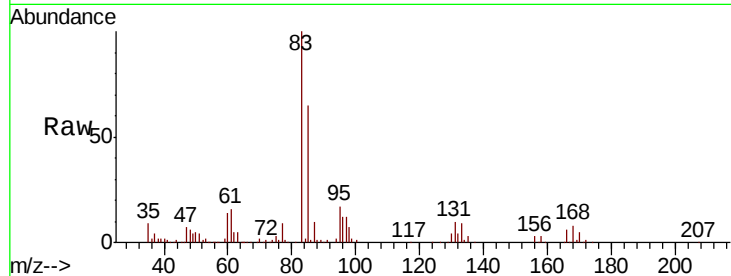
Tgt Ion: 83 Resp: 77569

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

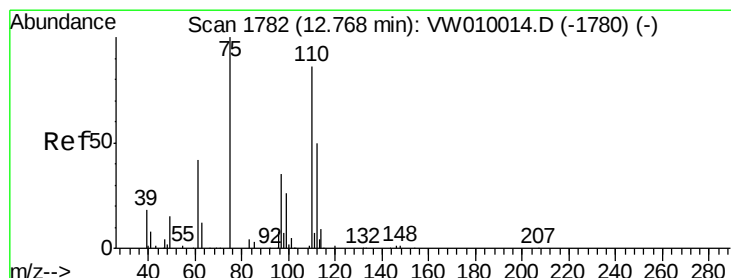
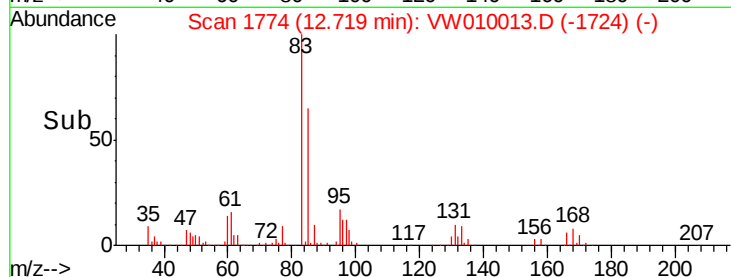
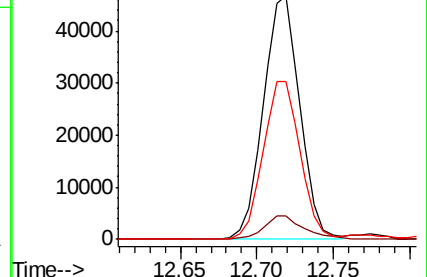
85 66.0 32.0 96.2



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: 29.966 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010013.D

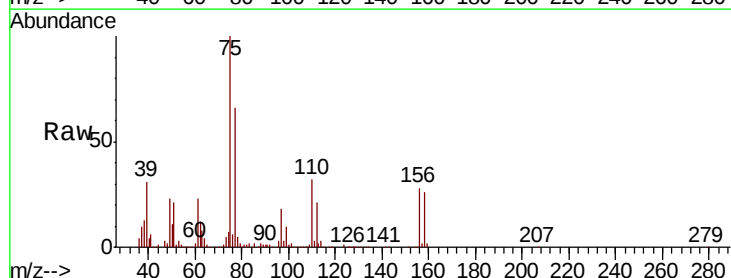
Acq: 17 Apr 2019 11:49

Tgt Ion: 75 Resp: 105845

Ion Ratio Lower Upper

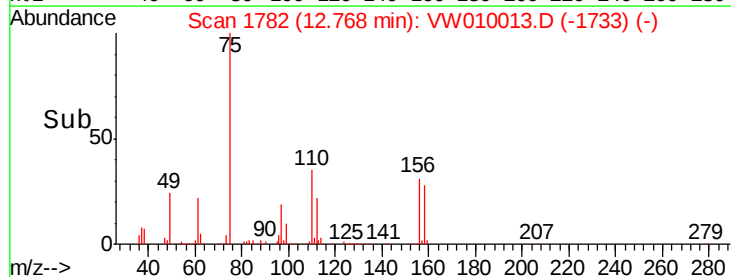
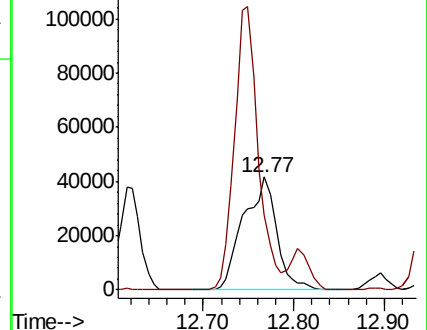
75 100

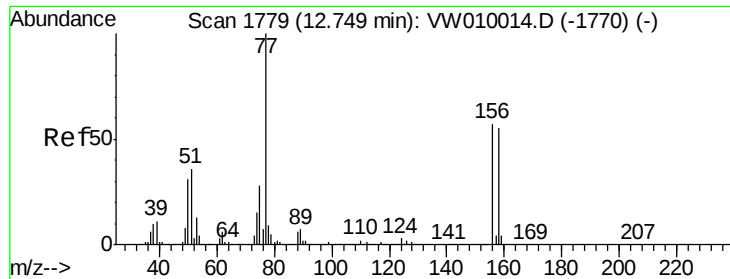
77 179.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.728 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

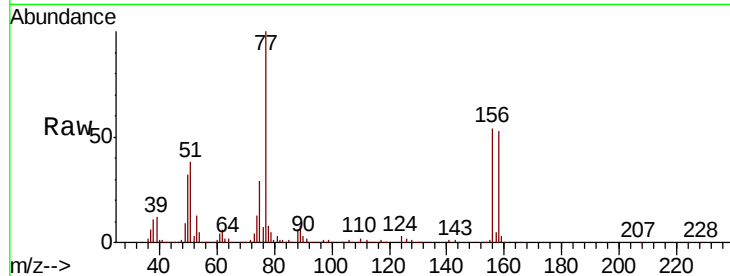
Tgt Ion:156 Resp: 93043

Ion Ratio Lower Upper

156 100

77 204.5 102.5 307.4

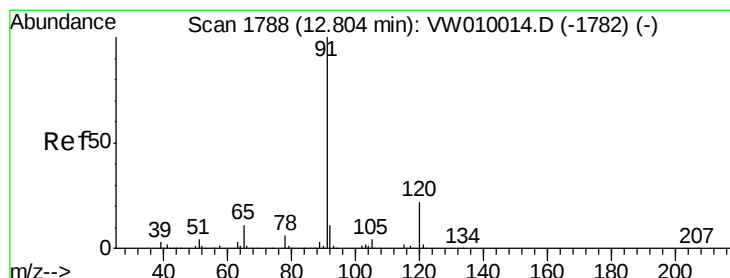
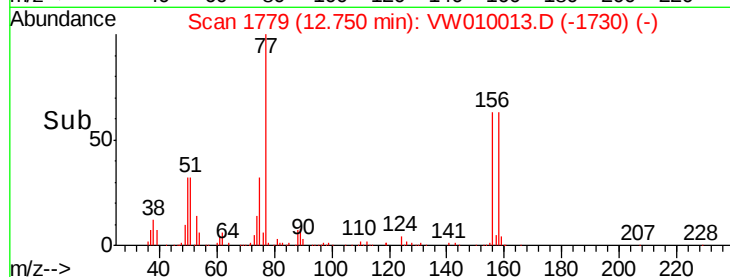
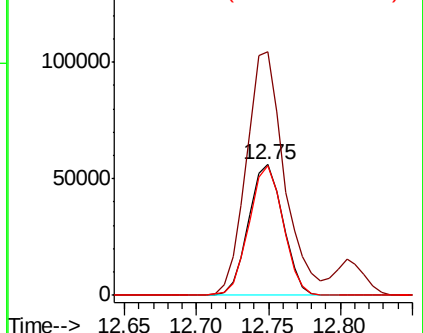
158 97.4 48.8 146.4



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: 20.409 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010013.D

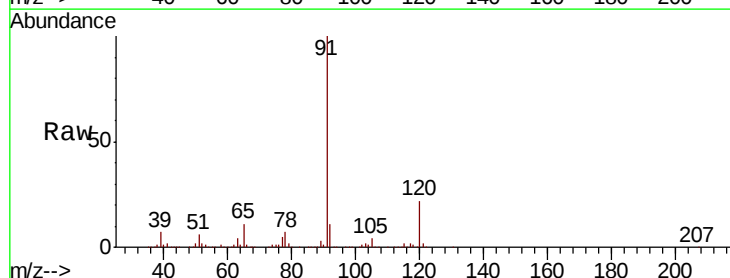
Acq: 17 Apr 2019 11:49

Tgt Ion: 91 Resp: 518713

Ion Ratio Lower Upper

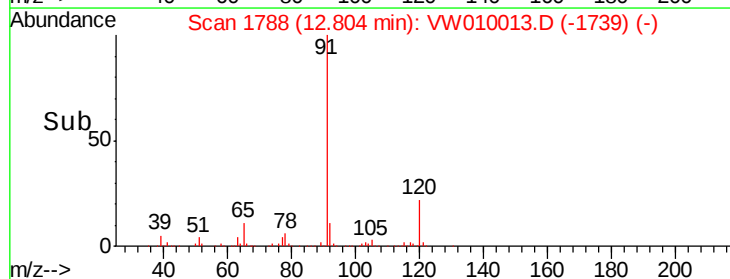
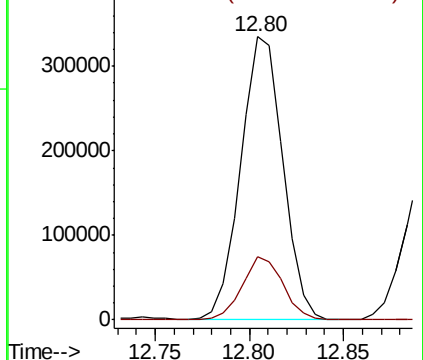
91 100

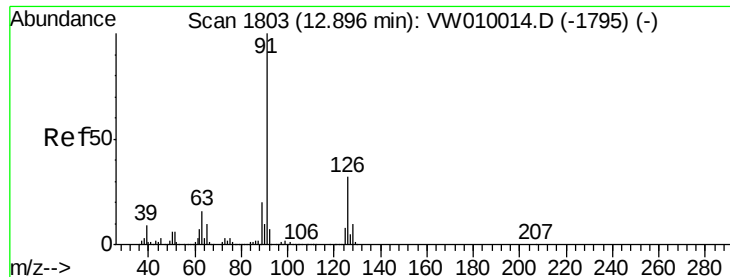
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

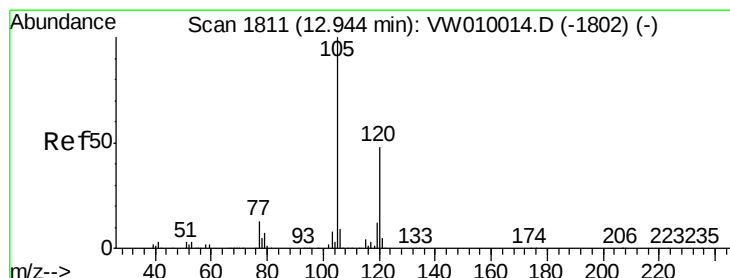
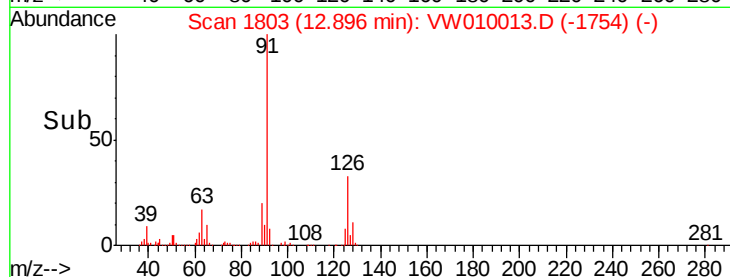
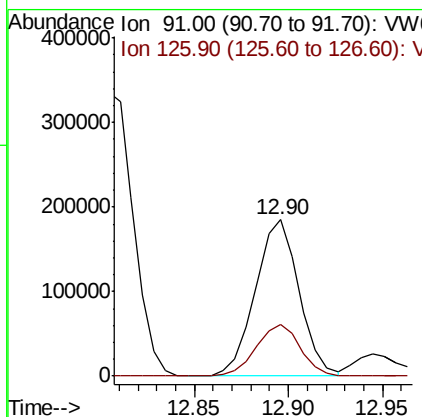
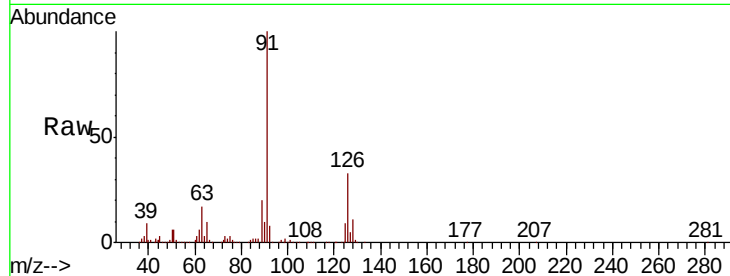




#79
 2-Chlorotoluene
 Concen: 20.284 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

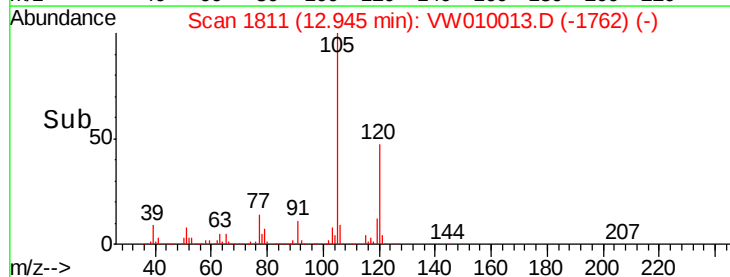
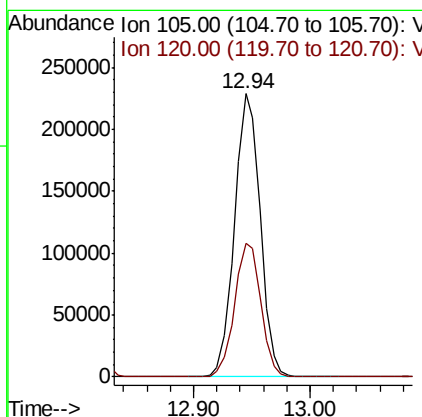
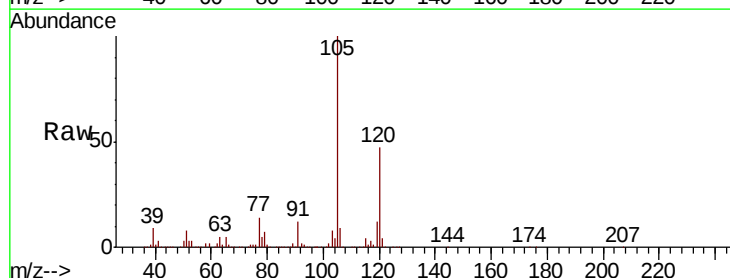
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

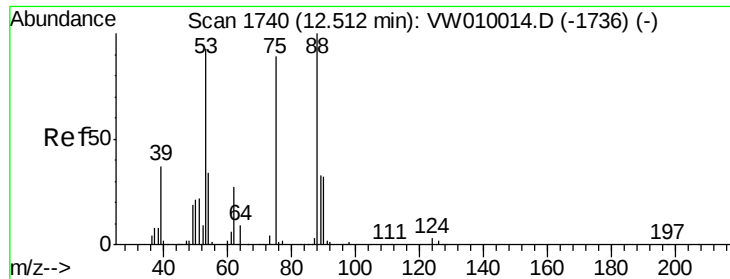
Tgt Ion: 91 Resp: 296488
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.219 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 105 Resp: 351539
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.678 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

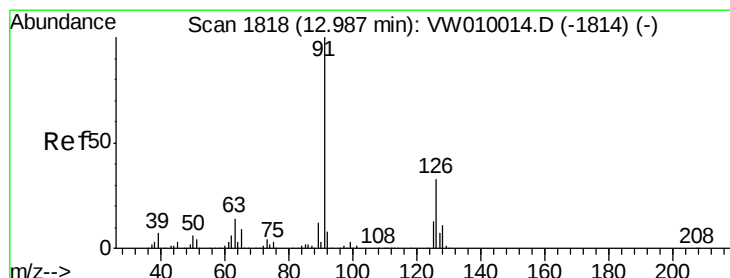
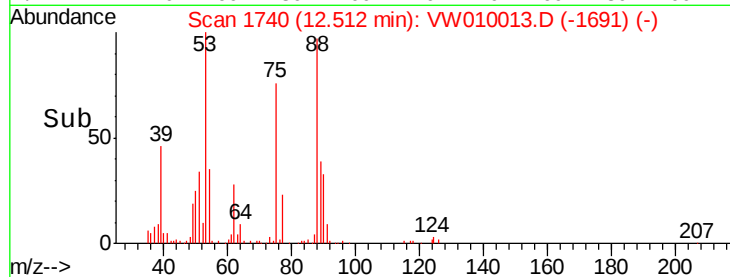
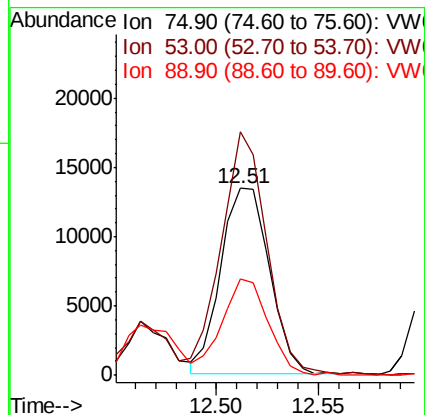
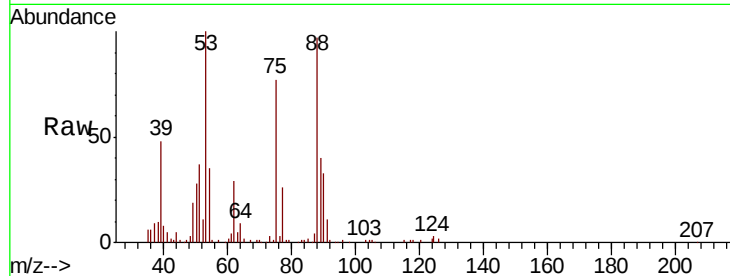
Tgt Ion: 75 Resp: 22108

Ion Ratio Lower Upper

75 100

53 122.6 89.8 134.8

89 50.2 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.257 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010013.D

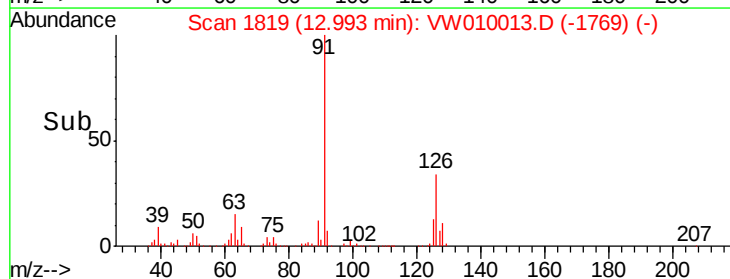
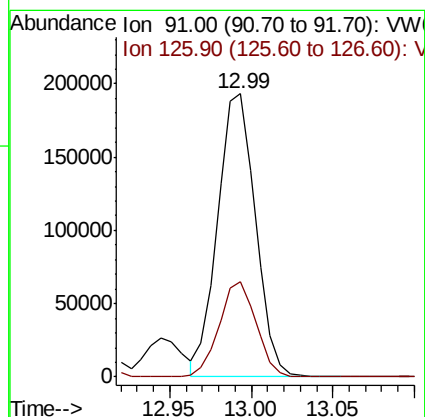
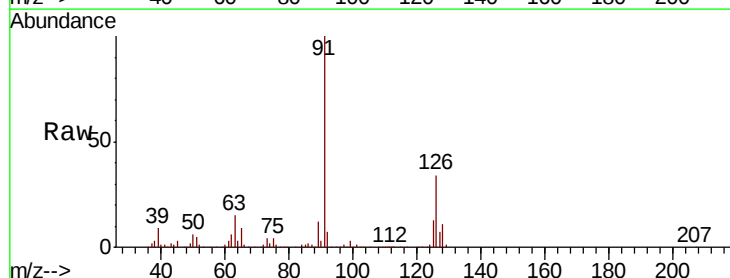
Acq: 17 Apr 2019 11:49

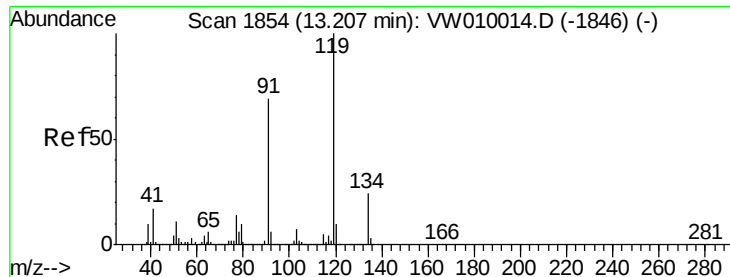
Tgt Ion: 91 Resp: 311630

Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.1

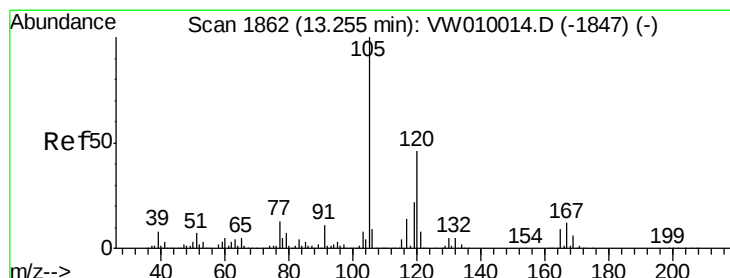
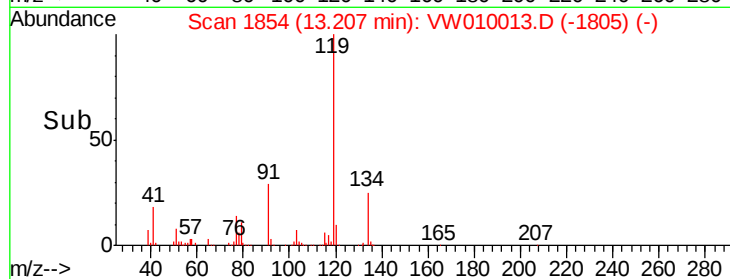
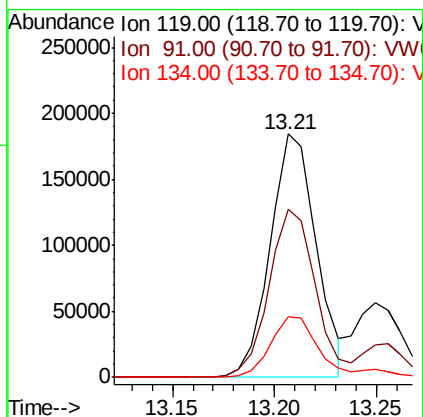
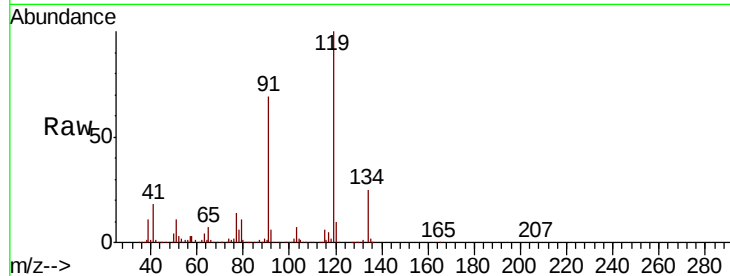




#83
 tert-Butylbenzene
 Concen: 20.144 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

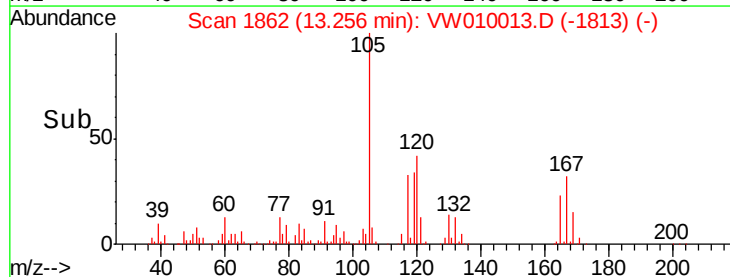
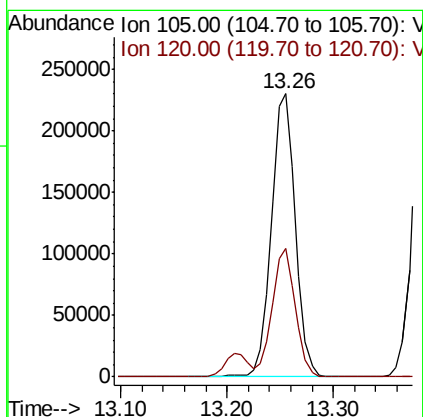
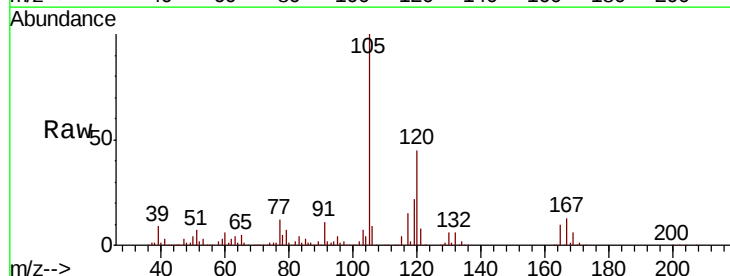
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

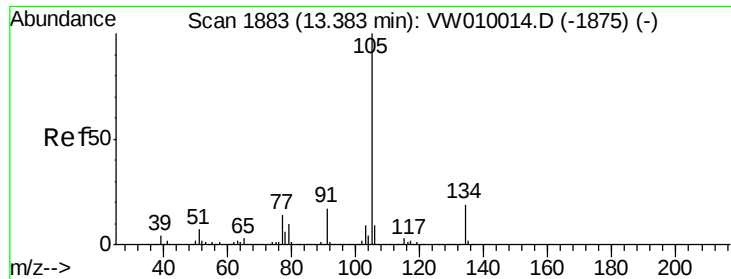
Tgt Ion:119 Resp: 290038
 Ion Ratio Lower Upper
 119 100
 91 70.1 34.8 104.4
 134 25.3 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.492 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion:105 Resp: 361242
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.6 67.7

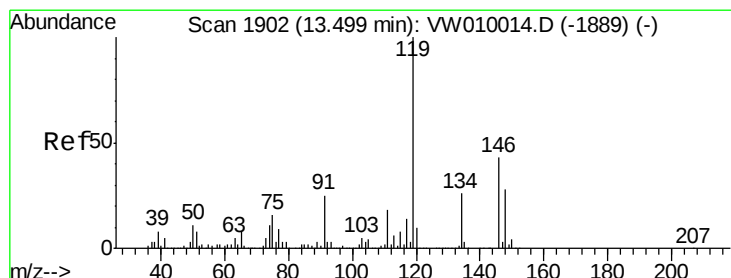
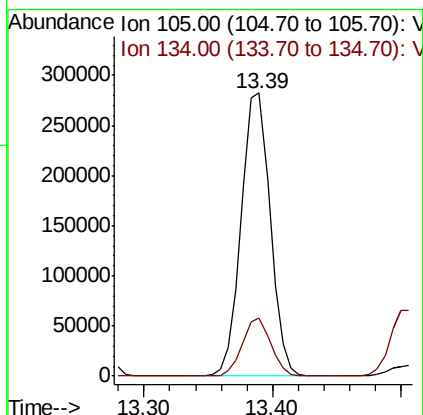
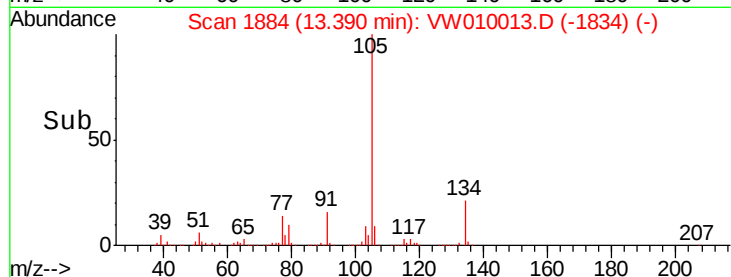
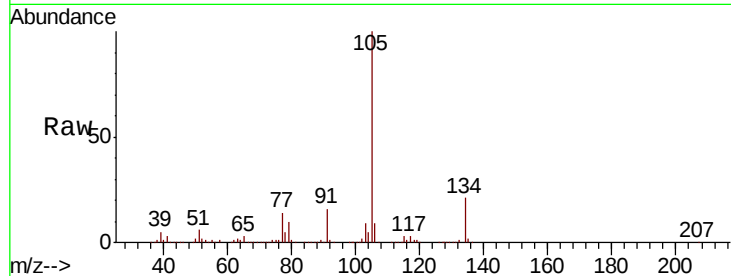




#85
 sec-Butylbenzene
 Concen: 20.422 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

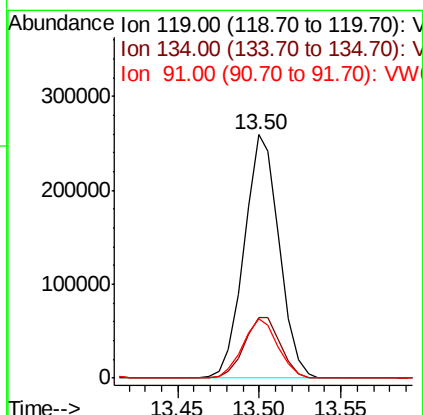
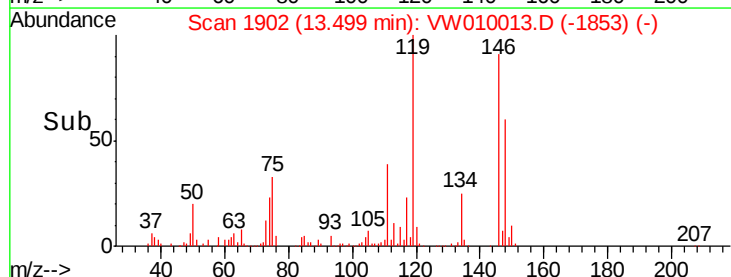
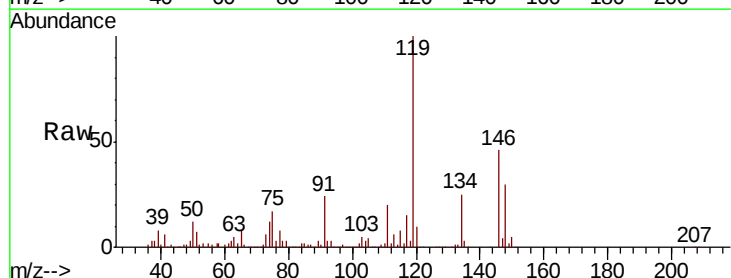
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

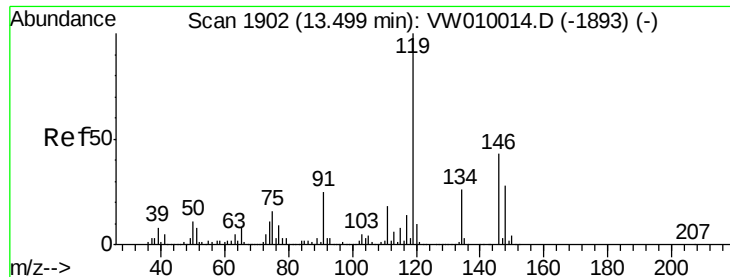
Tgt Ion:105 Resp: 439414
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.281 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion:119 Resp: 384626
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.325 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

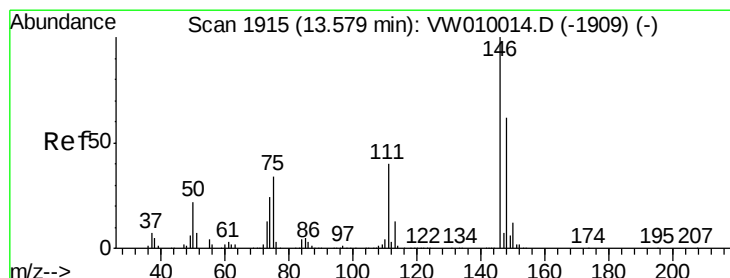
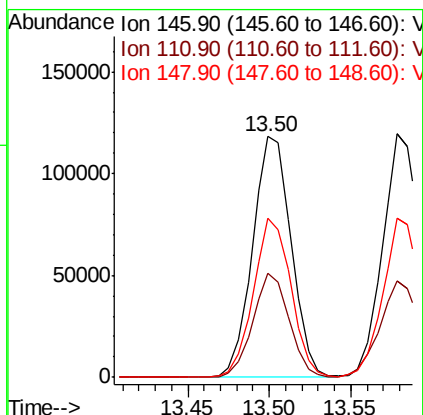
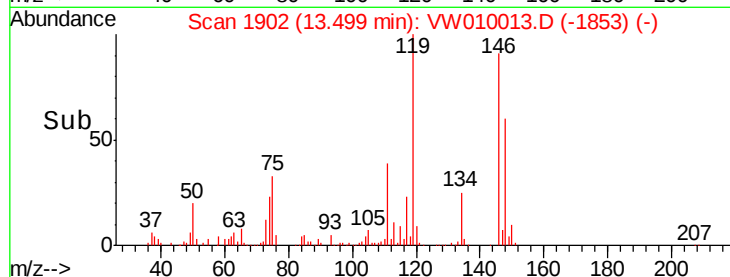
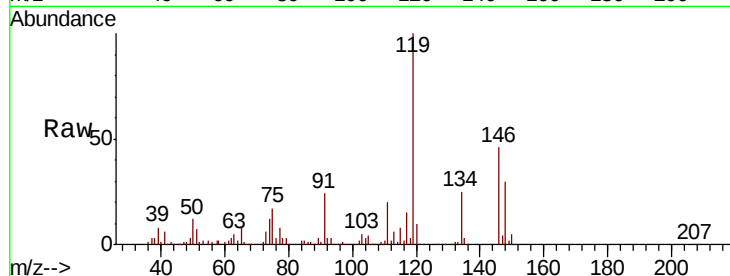
Tgt Ion:146 Resp: 193769

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

148 64.4 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 20.268 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

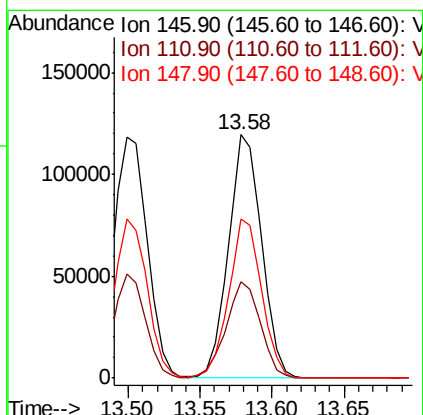
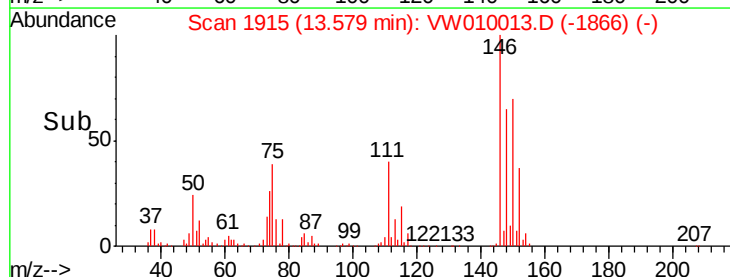
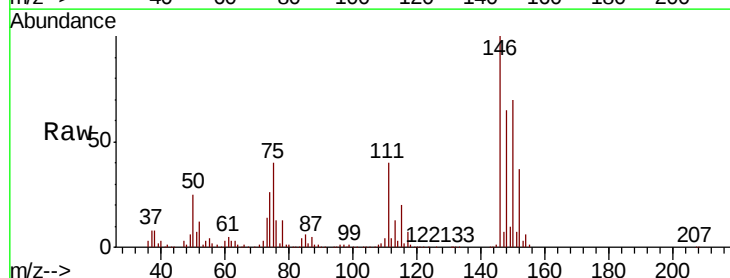
Tgt Ion:146 Resp: 192869

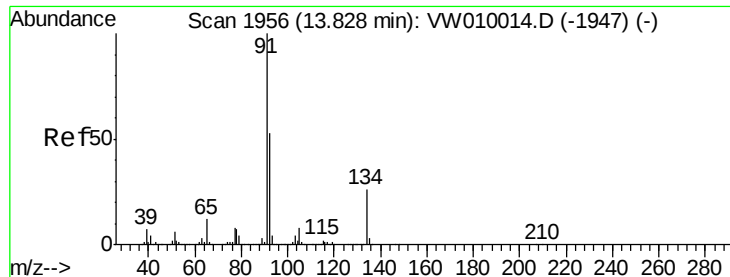
Ion Ratio Lower Upper

146 100

111 41.1 20.1 60.3

148 64.9 31.8 95.3





#89

n-Butylbenzene

Concen: 20.118 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

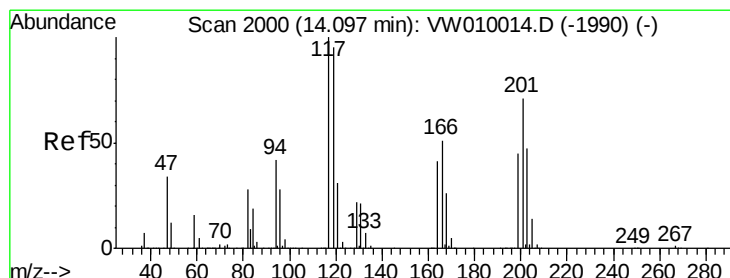
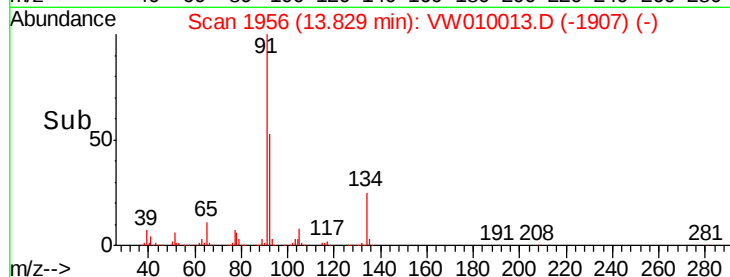
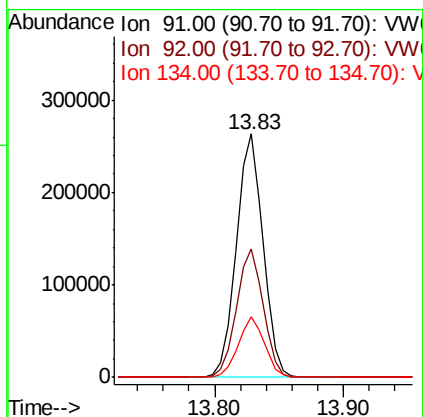
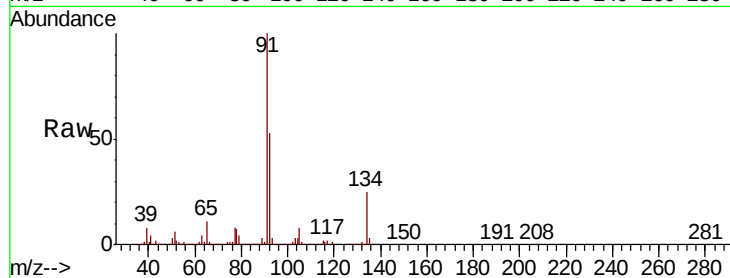
Tgt Ion: 91 Resp: 378000

Ion Ratio Lower Upper

91 100

92 53.0 26.5 79.4

134 24.4 12.4 37.0



#90

Hexachloroethane

Concen: 19.887 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010013.D

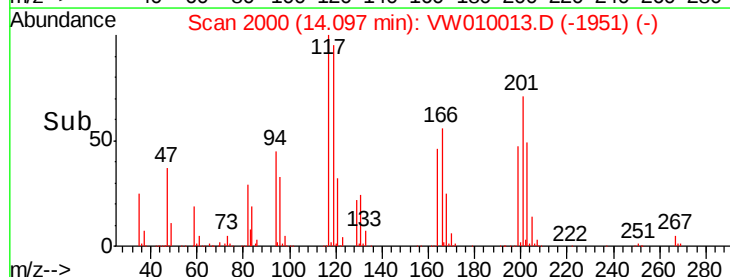
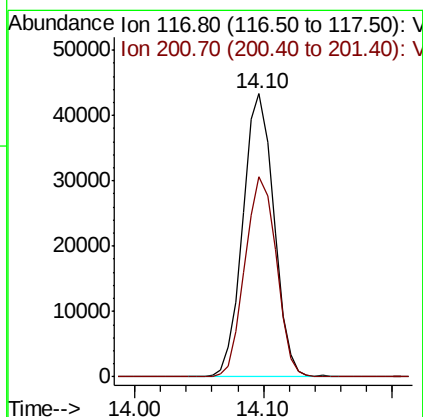
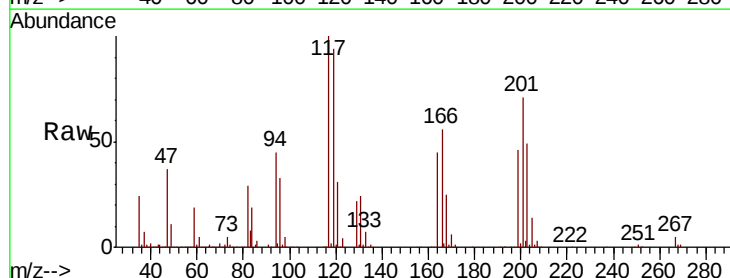
Acq: 17 Apr 2019 11:49

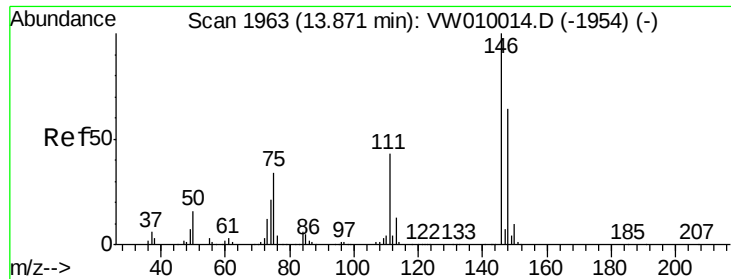
Tgt Ion: 117 Resp: 72238

Ion Ratio Lower Upper

117 100

201 71.2 36.1 108.3

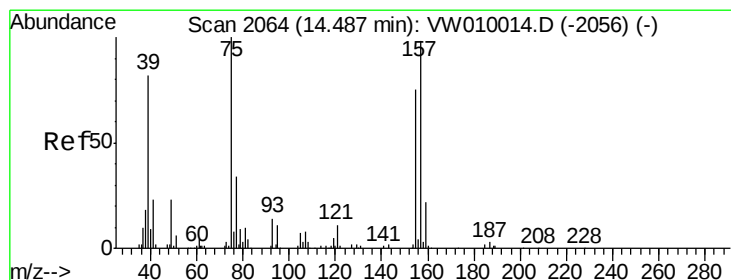
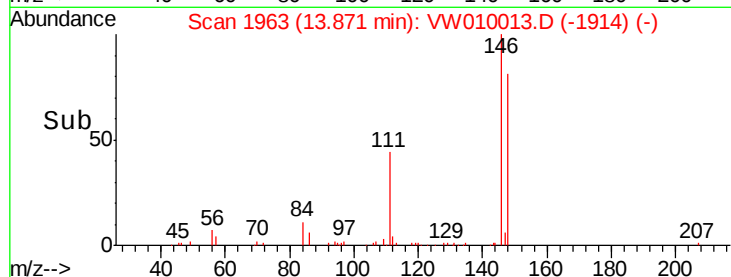
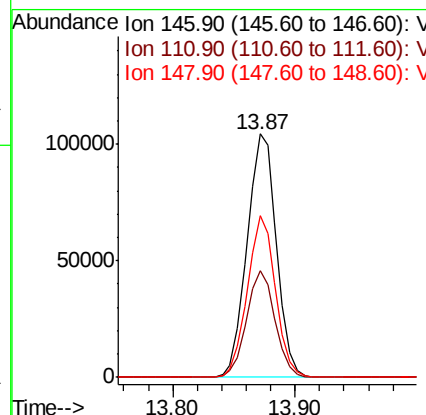
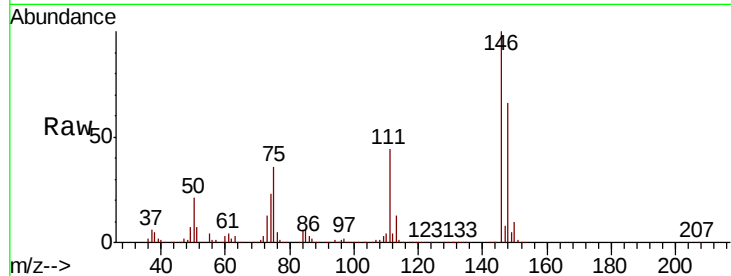




#91
 1,2-Dichlorobenzene
 Concen: 20.331 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

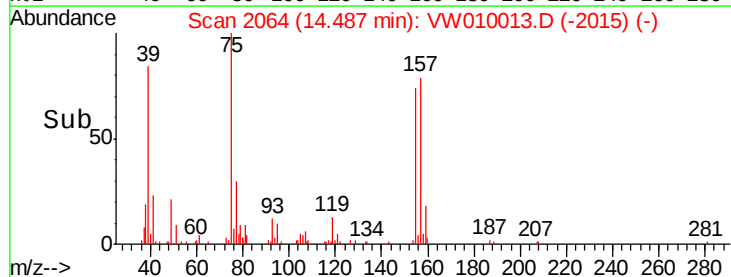
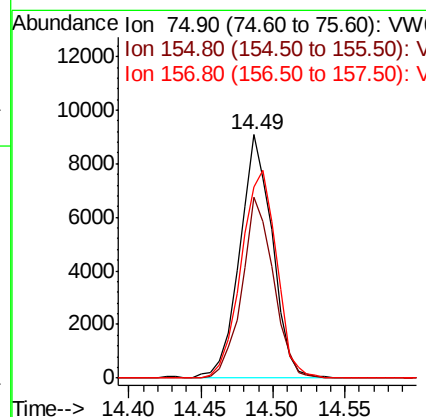
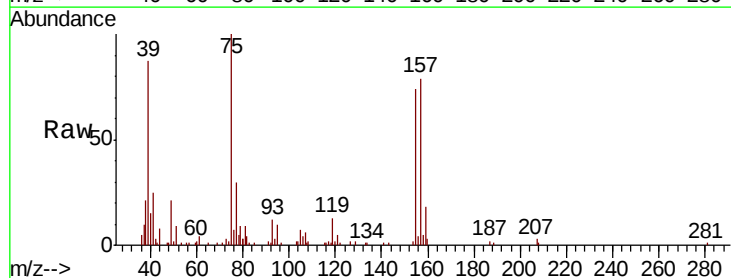
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

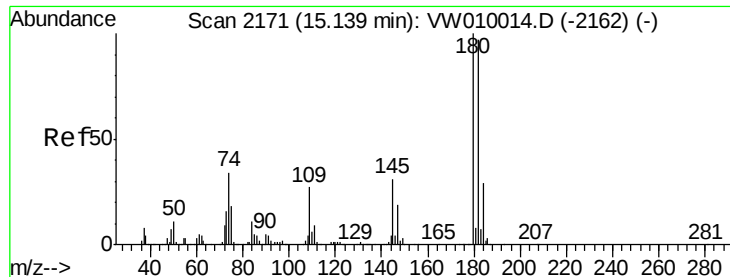
Tgt Ion: 146 Resp: 173792
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.9 62.8
 148 63.4 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.668 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 75 Resp: 14260
 Ion Ratio Lower Upper
 75 100
 155 71.7 37.1 111.5
 157 92.8 47.3 141.9

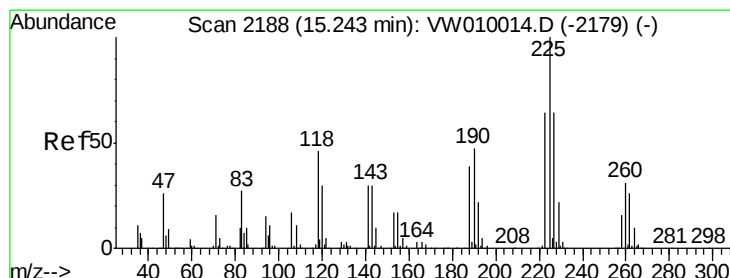
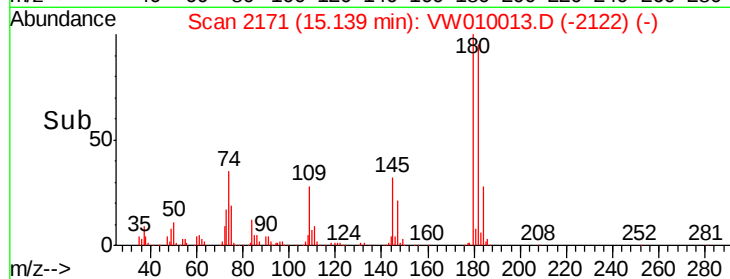
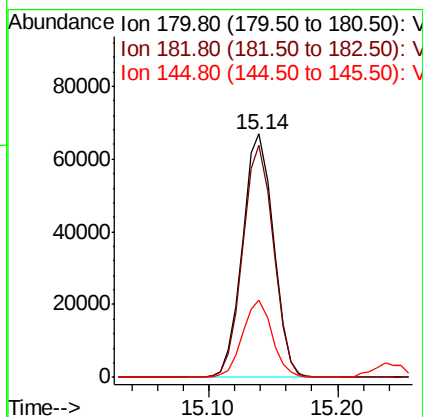
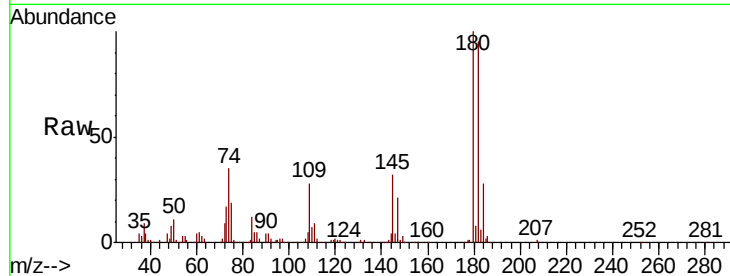




#93
 1,2,4-Trichlorobenzene
 Concen: 19.748 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

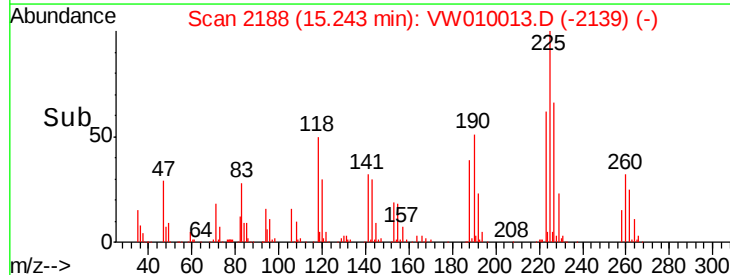
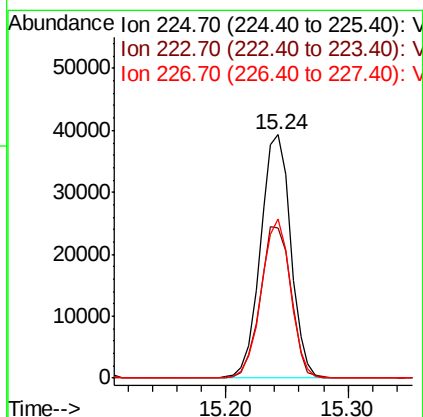
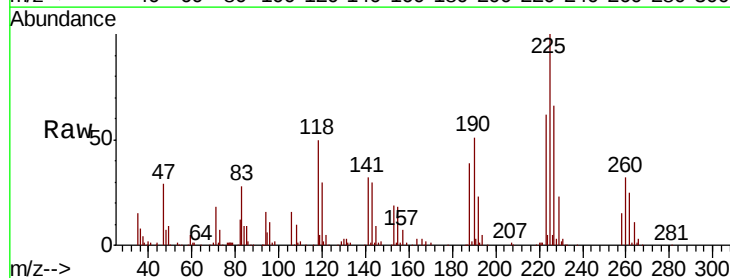
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

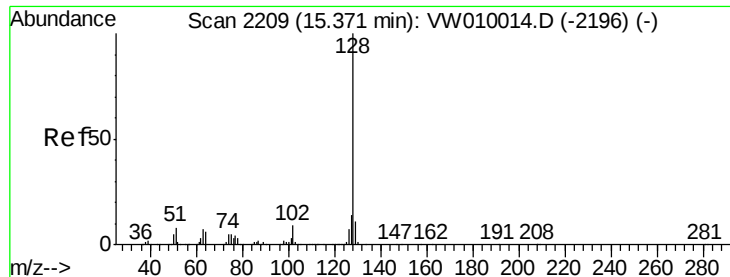
Tgt Ion:180 Resp: 111367
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.1 141.4
 145 30.3 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 19.706 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion:225 Resp: 67484
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.9 95.5
 227 63.6 31.8 95.3

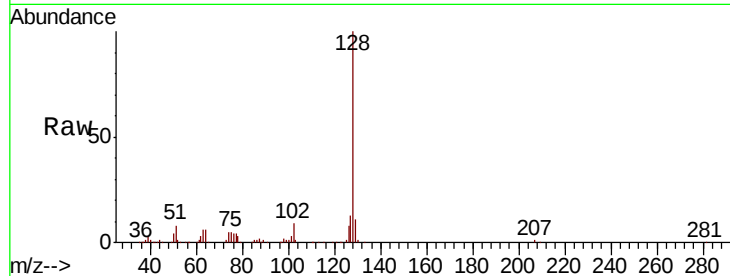




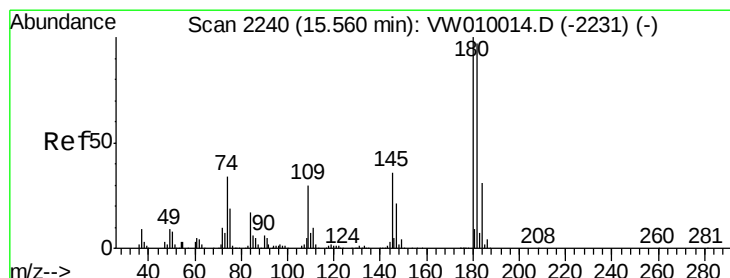
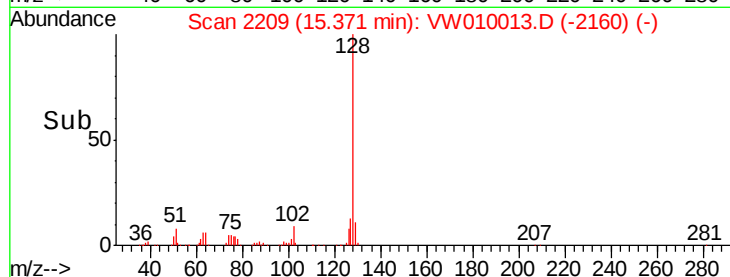
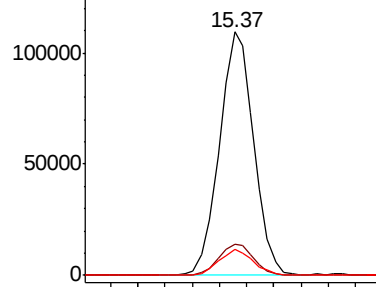
#95
Naphthalene
Concen: 19.044 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 192816
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.7 8.7 13.1

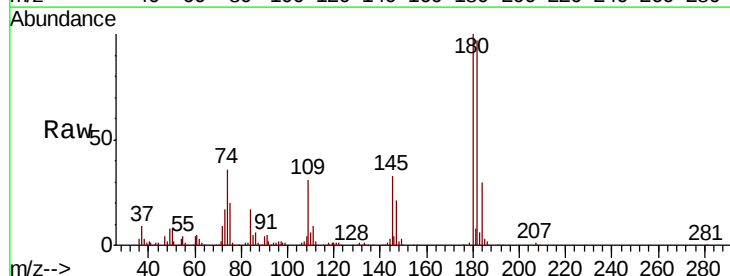


Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.765 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion:180 Resp: 96704
Ion Ratio Lower Upper
180 100
182 96.1 47.8 143.3
145 33.3 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V
60000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

