

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
 Data File : VW010042.D
 Acq On : 18 Apr 2019 13:50
 Operator : SY/VA
 Sample : VW0418SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Quant Time: Apr 18 14:09:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	438941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	710785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	648176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	330432	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	291849	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.88	113	238966	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.32	98	932681	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
62) 4-Bromofluorobenzene	12.62	95	338565	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	61201	18.286	ug/l	99
3) Chloromethane	2.21	50	56850	16.986	ug/l	91
4) Vinyl Chloride	2.36	62	72909	18.740	ug/l	94
5) Bromomethane	2.77	94	47687	18.239	ug/l	96
6) Chloroethane	2.92	64	50258	19.771	ug/l	98
7) Trichlorofluoromethane	3.25	101	44685	16.612	ug/l	99
8) Diethyl Ether	3.67	74	44351	19.822	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	87442	19.319	ug/l	98
10) Methyl Iodide	4.26	142	116722	18.661	ug/l	99
11) Tert butyl alcohol	5.18	59	30333	98.310	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	82526	19.018	ug/l	98
13) Acrolein	3.89	56	27060	83.364	ug/l	99
14) Allyl chloride	4.65	41	137074	17.768	ug/l	100
15) Acrylonitrile	5.36	53	109885	95.429	ug/l	100
16) Acetone	4.12	43	117672	93.628	ug/l	98
17) Carbon Disulfide	4.38	76	214705	17.323	ug/l	97
18) Methyl Acetate	4.67	43	55572	19.105	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	111288	19.745	ug/l	96
20) Methylene Chloride	4.92	84	109013	19.699	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	89732	19.096	ug/l	99
22) Diisopropyl ether	6.31	45	311950	19.935	ug/l	97
23) Vinyl Acetate	6.25	43	997888	101.298	ug/l	97
24) 1,1-Dichloroethane	6.21	63	179710	19.211	ug/l	99
25) 2-Butanone	7.17	43	168592	102.118	ug/l	99
26) 2,2-Dichloropropane	7.17	77	98729	19.076	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	99128	19.182	ug/l	99
28) Bromochloromethane	7.51	49	72814	19.046	ug/l	96
29) Tetrahydrofuran	7.53	42	107037	102.320	ug/l	98
30) Chloroform	7.67	83	179518	19.151	ug/l	96
31) Cyclohexane	7.95	56	166265	18.980	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	139007	18.890	ug/l	99
36) 1,1-Dichloropropene	8.08	75	143086	19.707	ug/l	98
37) Ethyl Acetate	7.25	43	77432	20.988	ug/l	99
38) Carbon Tetrachloride	8.06	117	134979	19.049	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	155980	18.429	ug/l	100
40) Benzene	8.32	78	390887	19.690	ug/l	98
41) Methacrylonitrile	7.48	41	43501	20.688	ug/l	96
42) 1,2-Dichloroethane	8.40	62	131600	19.289	ug/l	100
43) Isopropyl Acetate	8.42	43	140054	20.258	ug/l	98
44) Trichloroethene	9.09	130	96519	19.142	ug/l	98
45) 1,2-Dichloropropane	9.37	63	100100	19.183	ug/l	96
46) Dibromomethane	9.45	93	51926	19.199	ug/l	99
47) Bromodichloromethane	9.64	83	132601	18.993	ug/l	98
48) Methyl methacrylate	9.43	41	64691	19.223	ug/l	95
49) 1,4-Dioxane	9.45	88	15547	376.210	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	378595	104.555	ug/l	99
52) Toluene	10.38	92	243870	19.720	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	132951	19.207	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	150753	19.073	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72896	19.311	ug/l	95
56) Ethyl methacrylate	10.65	69	94005	19.628	ug/l	97
57) 1,3-Dichloropropane	10.93	76	133390	19.715	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	264851	117.418	ug/l	99
59) 2-Hexanone	10.97	43	256431	101.733	ug/l	100
60) Dibromochloromethane	11.13	129	83836	19.215	ug/l	99
61) 1,2-Dibromoethane	11.23	107	69848	19.451	ug/l	99
64) Tetrachloroethene	10.86	164	81086	19.271	ug/l	96
65) Chlorobenzene	11.66	112	260837	19.661	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	93022	19.608	ug/l	100
67) Ethyl Benzene	11.73	91	462739	19.550	ug/l	100
68) m/p-Xylenes	11.84	106	356466	40.289	ug/l	100
69) o-Xylene	12.16	106	160633	19.939	ug/l	99
70) Styrene	12.18	104	270720	19.490	ug/l	99
71) Bromoform	12.35	173	49219	19.620	ug/l #	99
73) Isopropylbenzene	12.46	105	454004	19.742	ug/l	100
74) N-amyl acetate	12.27	43	128281	20.143	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	90815	19.988	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	121420	36.715	ug/l #	100
77) Bromobenzene	12.75	156	103195	19.511	ug/l	99
78) n-propylbenzene	12.80	91	578181	20.285	ug/l	100
79) 2-Chlorotoluene	12.89	91	326848	19.939	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	383411	19.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	27905	19.896	ug/l	97
82) 4-Chlorotoluene	12.99	91	345145	20.006	ug/l	100
83) tert-Butylbenzene	13.21	119	320788	19.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	399870	20.227	ug/l	98
85) sec-Butylbenzene	13.38	105	481917	19.971	ug/l	100
86) p-Isopropyltoluene	13.50	119	421101	19.799	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	213551	19.974	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	210687	19.742	ug/l	99
89) n-Butylbenzene	13.83	91	416166	19.750	ug/l	100
90) Hexachloroethane	14.10	117	78948	19.380	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	193004	20.133	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16240	19.973	ug/l	95

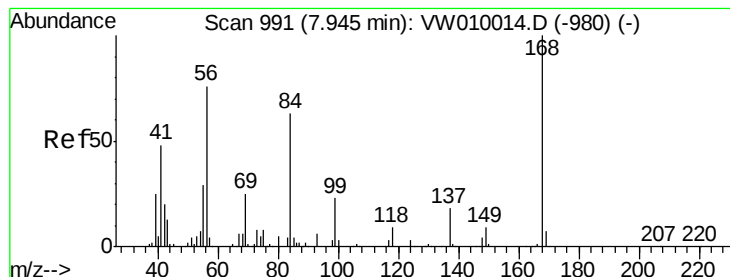
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122839	19.423	ug/l	98
94) Hexachlorobutadiene	15.24	225	74506	19.400	ug/l	99
95) Naphthalene	15.37	128	227589	19.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	111986	20.409	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: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

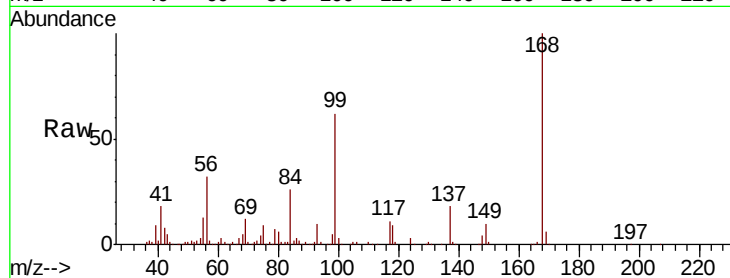
VW0418SBS01

Tgt Ion:168 Resp: 438941

Ion Ratio Lower Upper

168 100

99 61.7 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

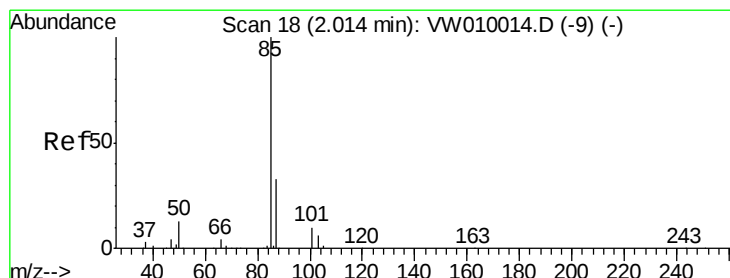
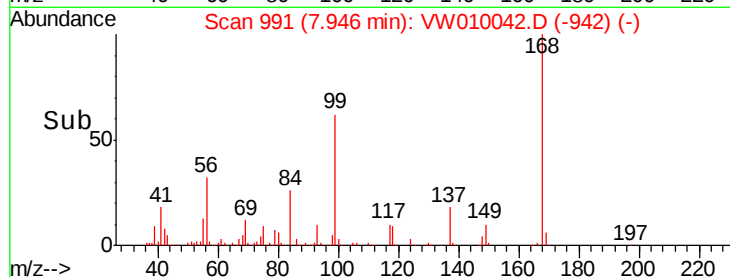
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.286 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010042.D

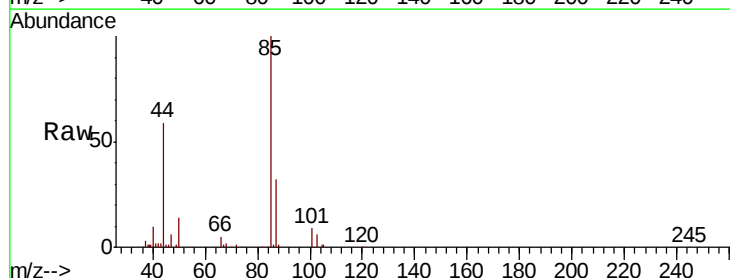
Acq: 18 Apr 2019 13:50

Tgt Ion: 85 Resp: 61201

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

20000

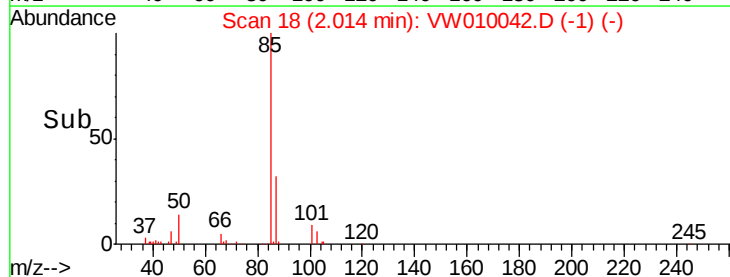
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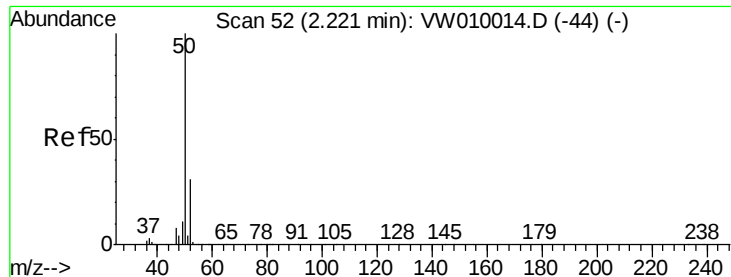
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 16.986 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

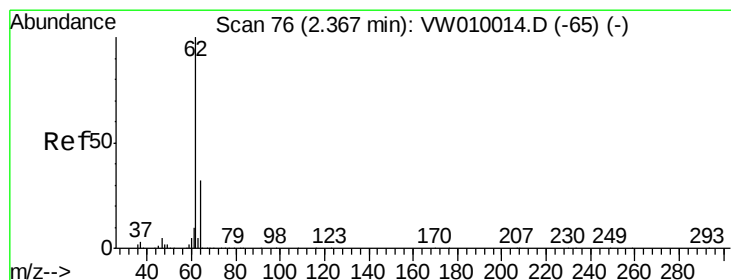
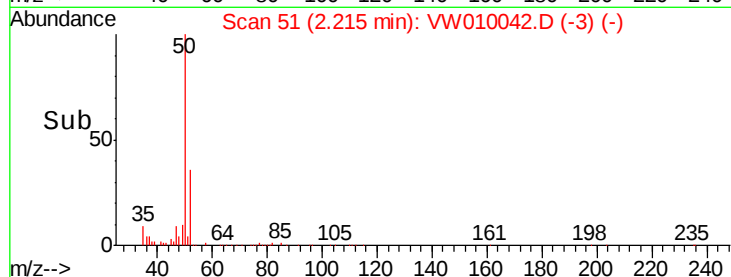
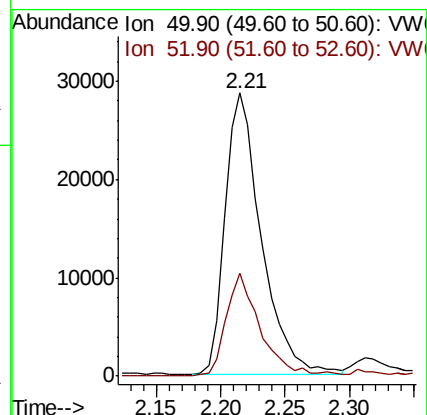
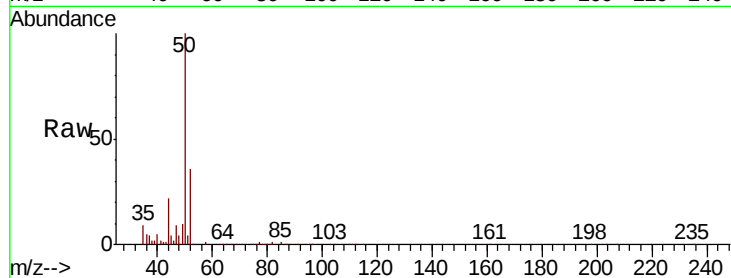
VW0418SBS01

Tgt Ion: 50 Resp: 56850

Ion Ratio Lower Upper

50 100

52 36.4 25.0 37.6



#4

Vinyl Chloride

Concen: 18.740 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010042.D

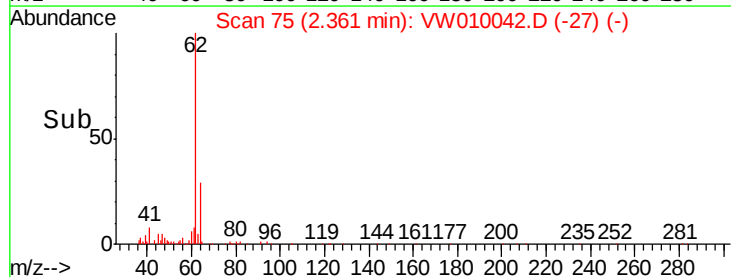
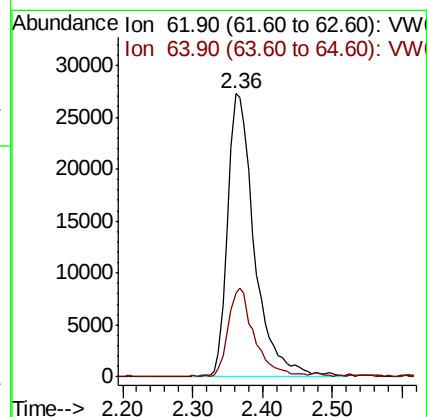
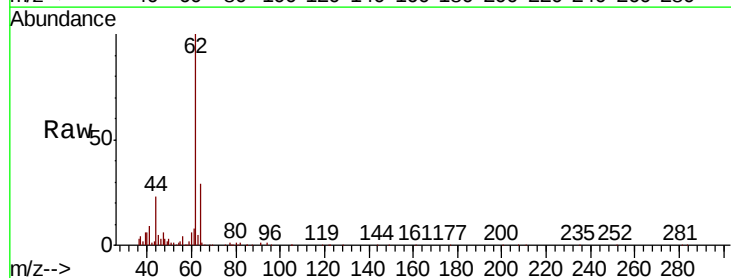
Acq: 18 Apr 2019 13:50

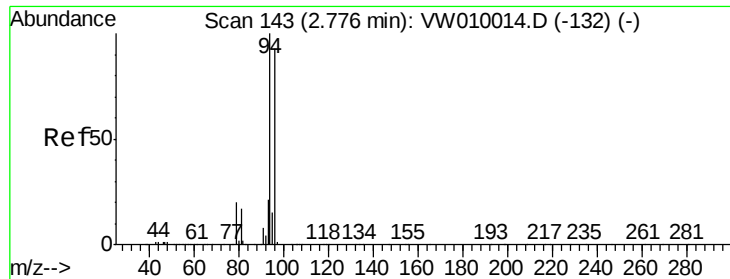
Tgt Ion: 62 Resp: 72909

Ion Ratio Lower Upper

62 100

64 28.9 25.9 38.9





#5

Bromomethane

Concen: 18.239 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

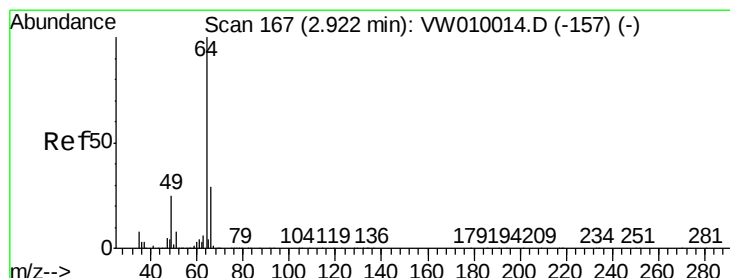
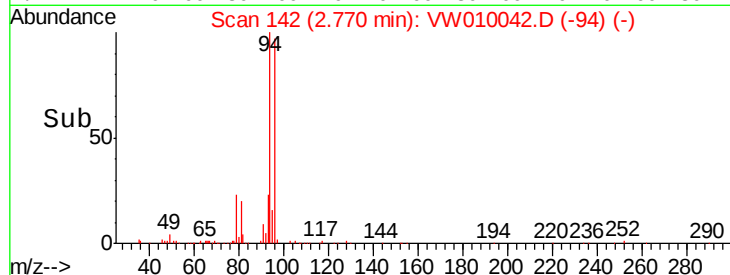
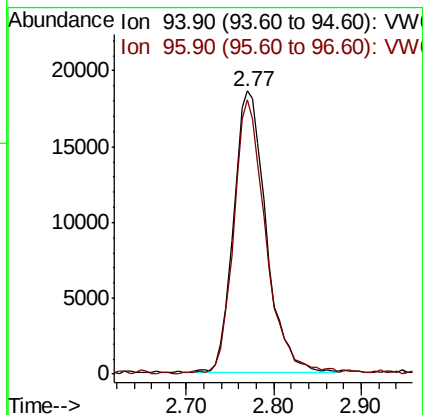
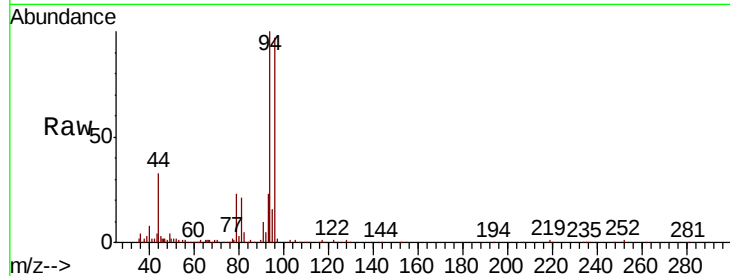
VW0418SBS01

Tgt Ion: 94 Resp: 47687

Ion Ratio Lower Upper

94 100

96 96.7 74.2 111.2



#6

Chloroethane

Concen: 19.771 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010042.D

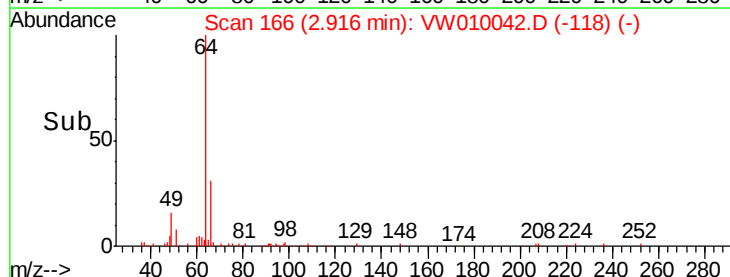
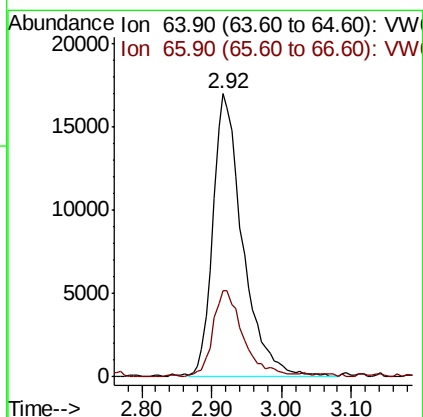
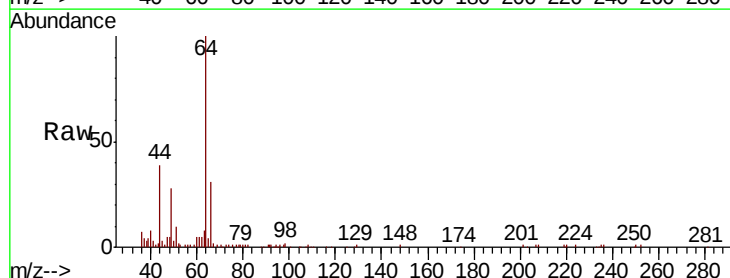
Acq: 18 Apr 2019 13:50

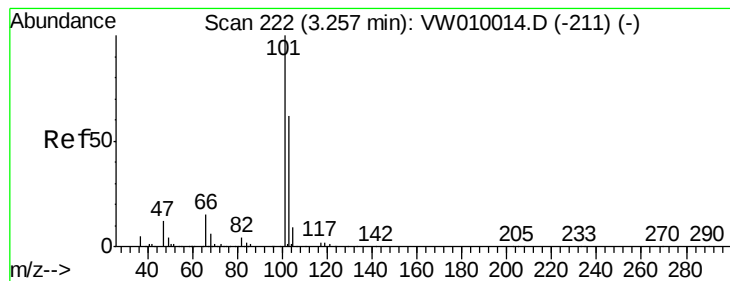
Tgt Ion: 64 Resp: 50258

Ion Ratio Lower Upper

64 100

66 30.2 23.4 35.0



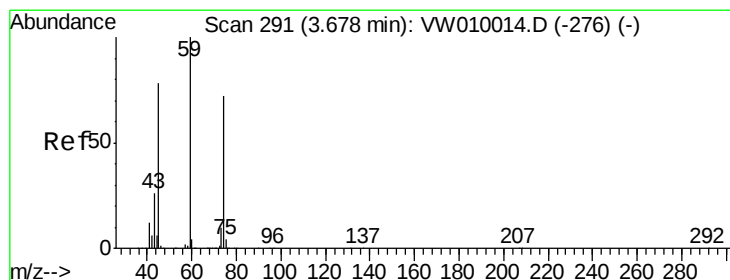
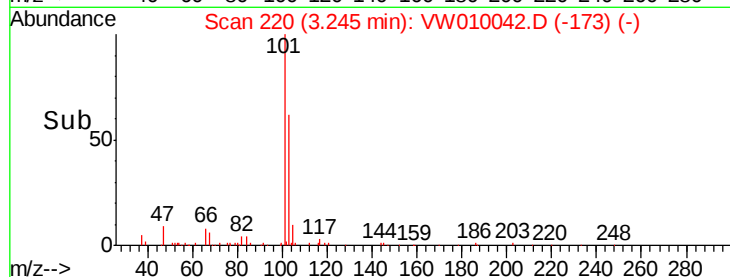
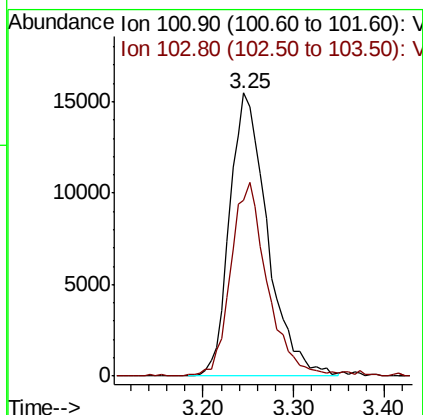
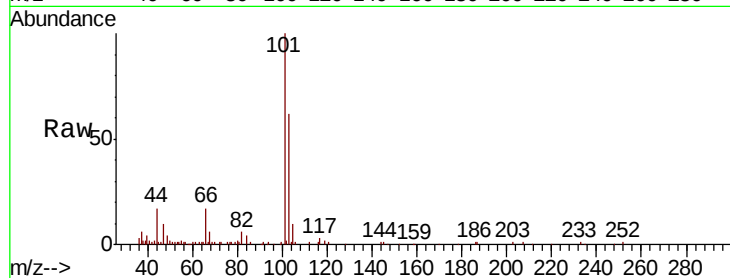


#7

Trichlorofluoromethane
 Concen: 16.612 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBSD01

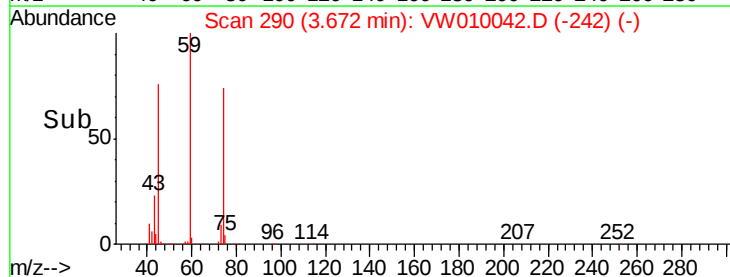
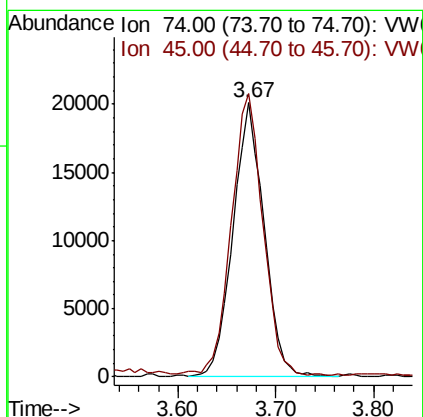
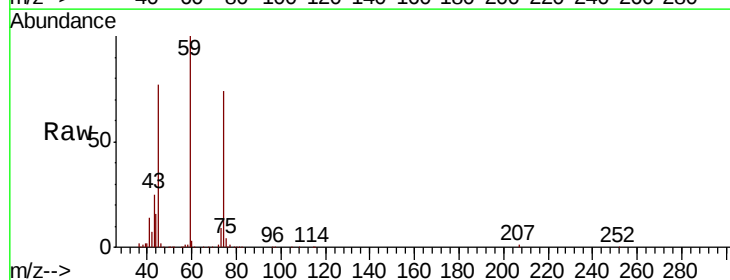
Tgt Ion:101 Resp: 44685
 Ion Ratio Lower Upper
 101 100
 103 61.6 49.8 74.6

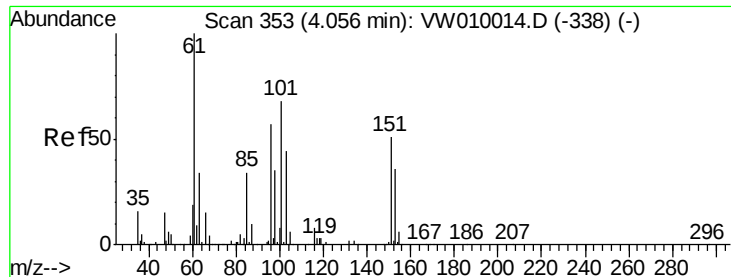


#8

Diethyl Ether
 Concen: 19.822 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 74 Resp: 44351
 Ion Ratio Lower Upper
 74 100
 45 103.4 56.0 168.0

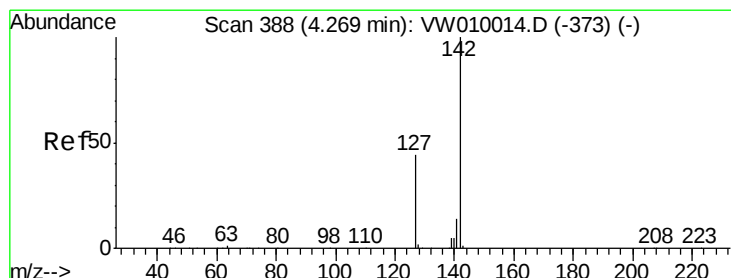
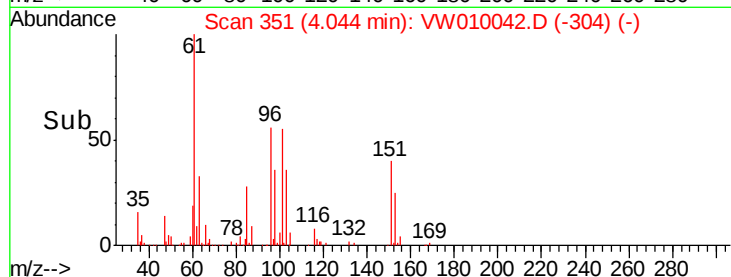
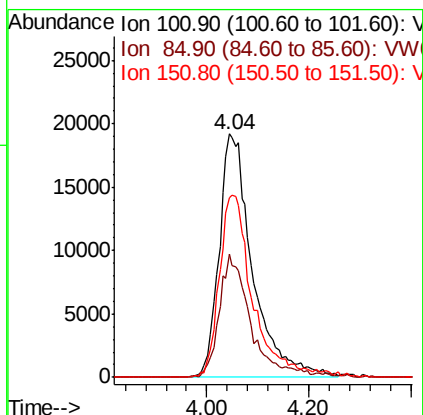
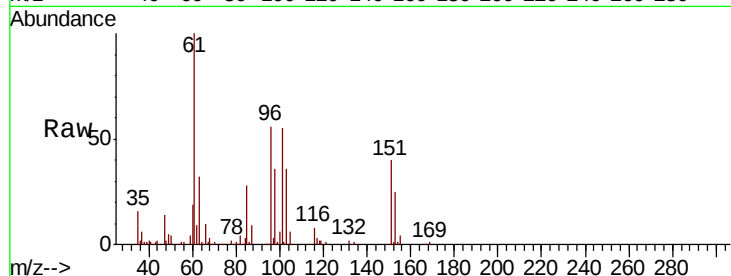




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.319 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

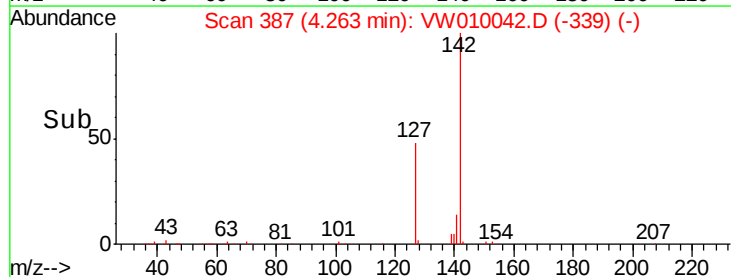
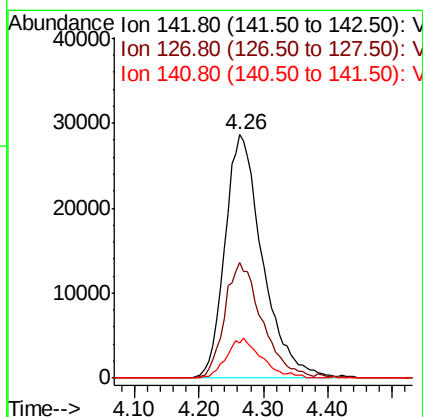
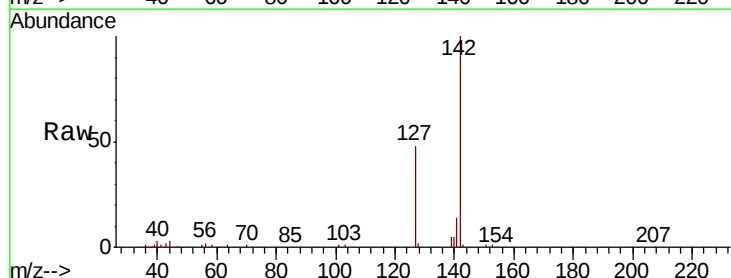
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBSD01

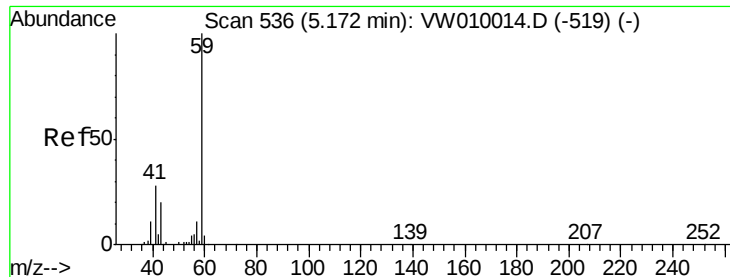
Tgt Ion:101 Resp: 87442
 Ion Ratio Lower Upper
 101 100
 85 44.6 36.3 54.5
 151 73.6 60.2 90.2



#10
 Methyl Iodide
 Concen: 18.661 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion:142 Resp: 116722
 Ion Ratio Lower Upper
 142 100
 127 47.0 38.1 57.1
 141 15.4 12.2 18.2

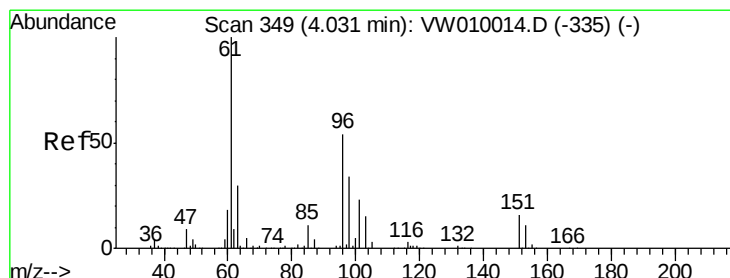
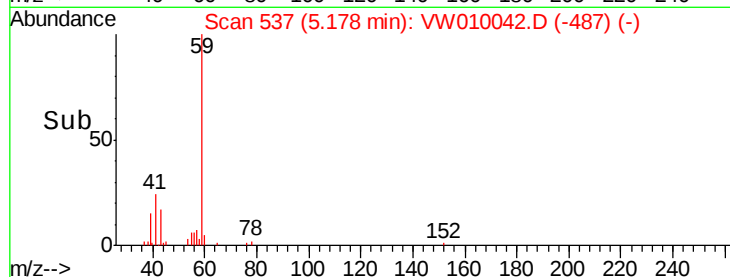
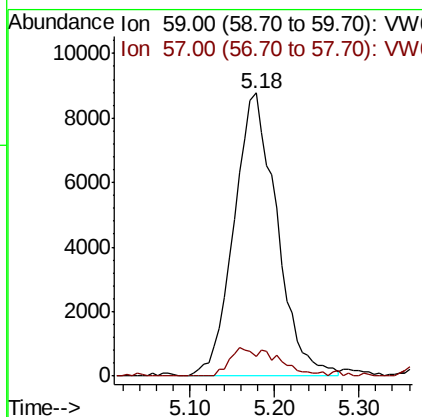
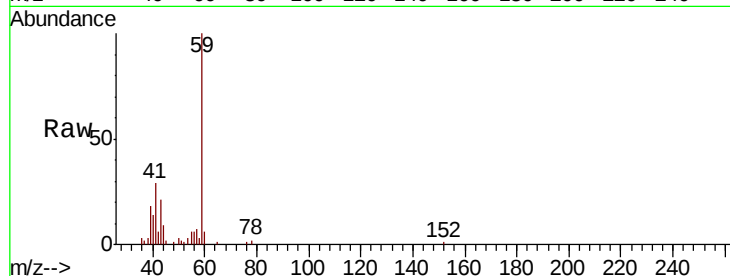




#11
Tert butyl alcohol
Concen: 98.310 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

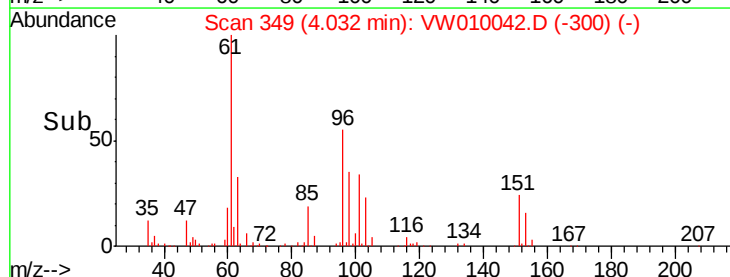
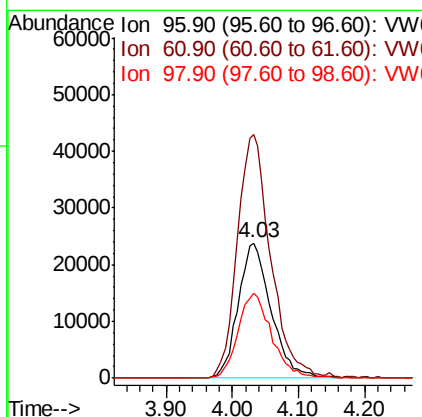
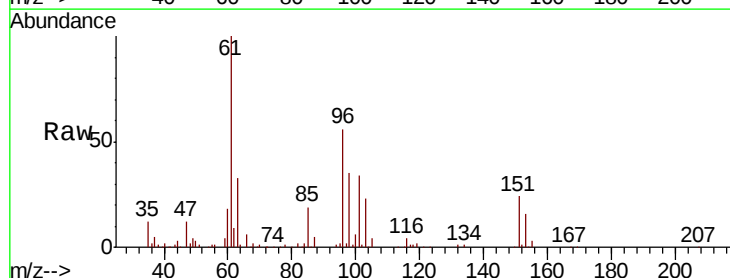
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

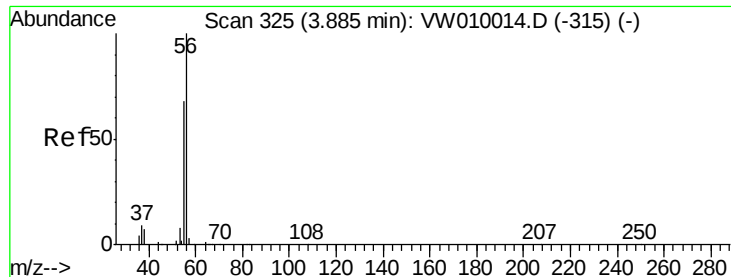
Tgt Ion: 59 Resp: 30333
Ion Ratio Lower Upper
59 100
57 5.7 9.0 13.4#



#12
1,1-Dichloroethene
Concen: 19.018 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 96 Resp: 82526
Ion Ratio Lower Upper
96 100
61 180.0 147.4 221.2
98 62.7 49.7 74.5





#13

Acrolein

Concen: 83.364 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

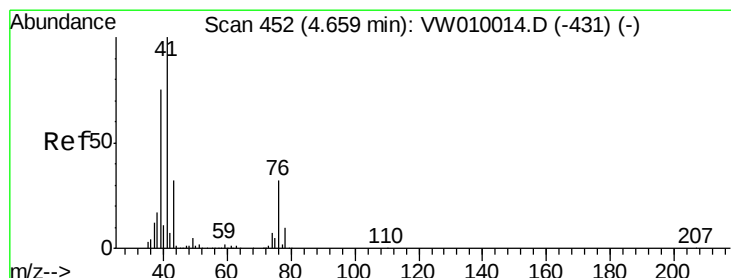
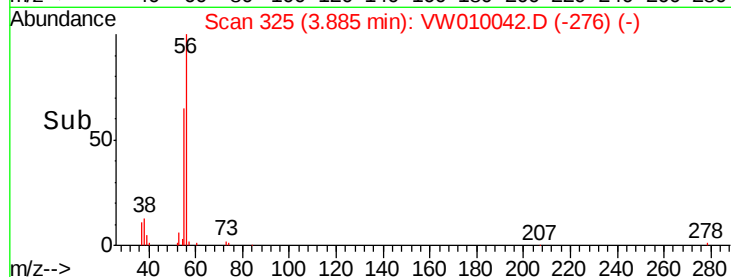
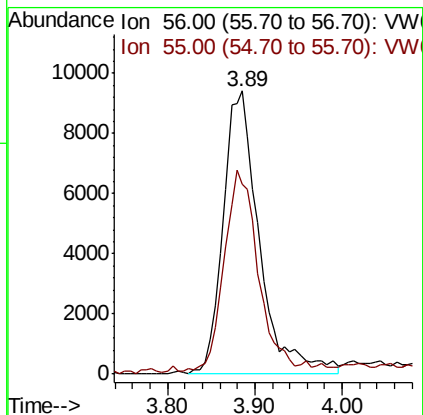
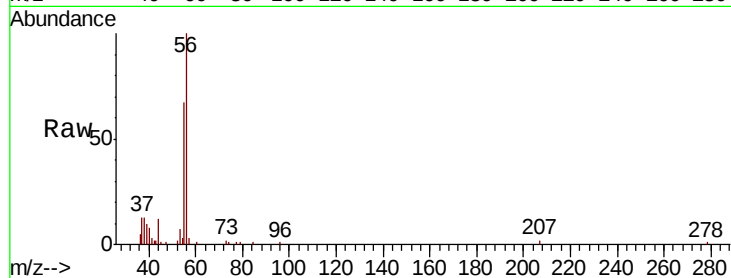
VW0418SBS01

Tgt Ion: 56 Resp: 27060

Ion Ratio Lower Upper

56 100

55 66.7 54.2 81.2



#14

Allyl chloride

Concen: 17.768 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

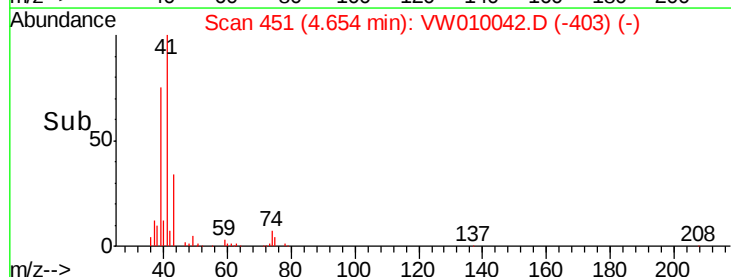
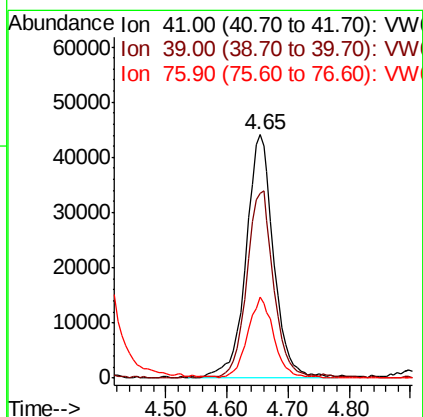
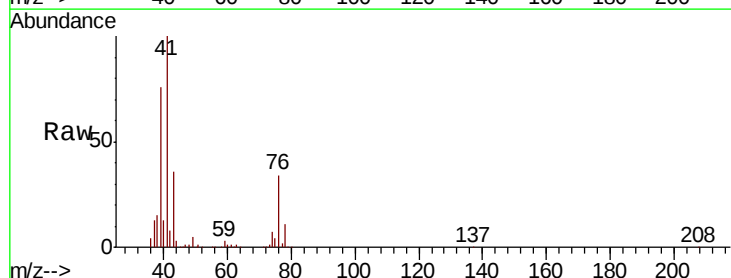
Tgt Ion: 41 Resp: 137074

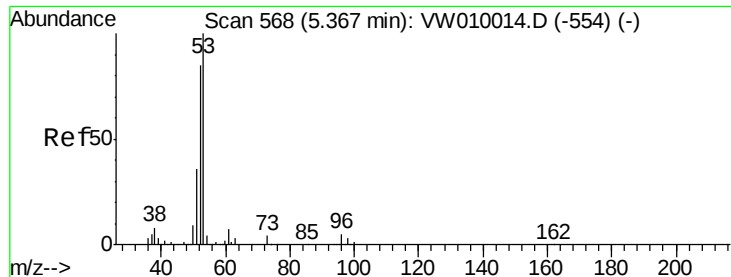
Ion Ratio Lower Upper

41 100

39 75.4 60.2 90.4

76 31.5 25.0 37.6





#15

Acrylonitrile

Concen: 95.429 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

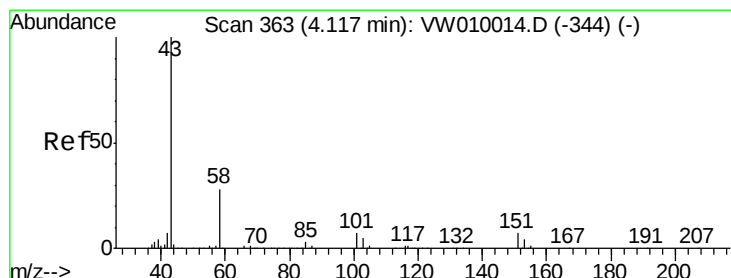
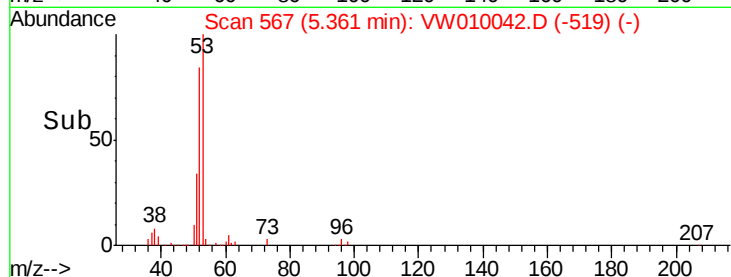
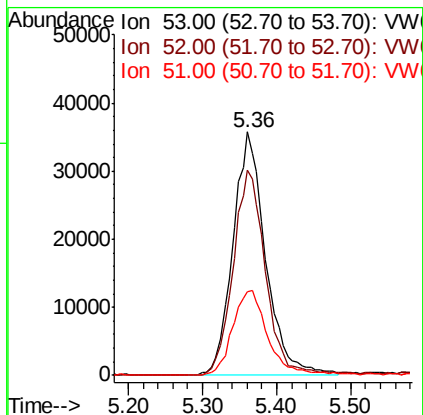
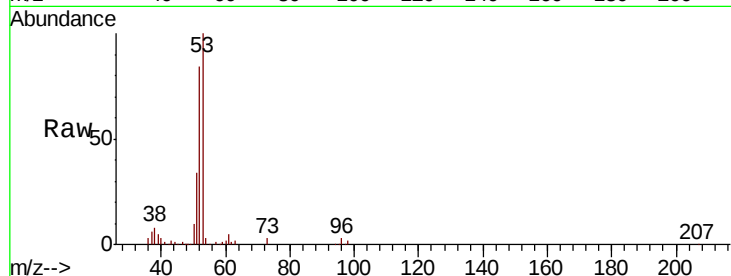
Tgt Ion: 53 Resp: 109885

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

51 37.8 30.3 45.5



#16

Acetone

Concen: 93.628 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010042.D

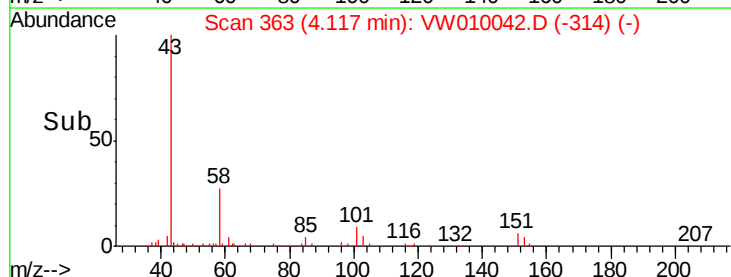
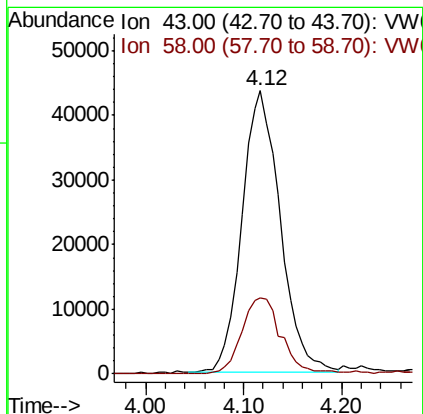
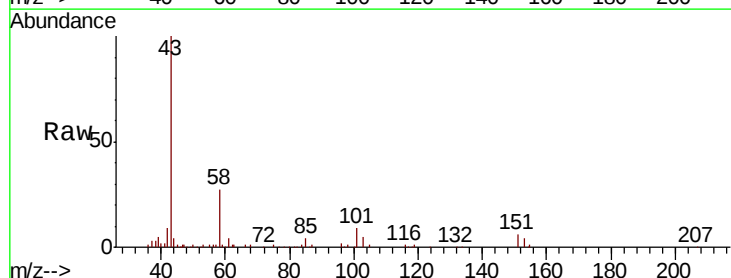
Acq: 18 Apr 2019 13:50

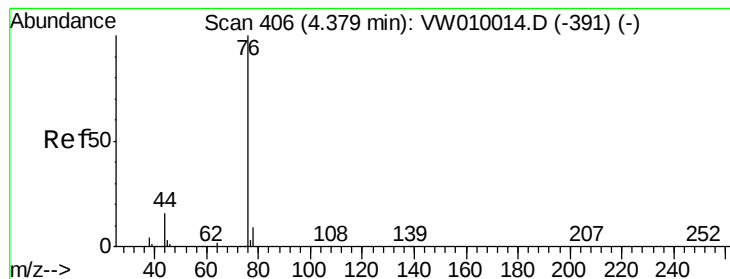
Tgt Ion: 43 Resp: 117672

Ion Ratio Lower Upper

43 100

58 27.1 22.7 34.1





#17

Carbon Disulfide

Concen: 17.323 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

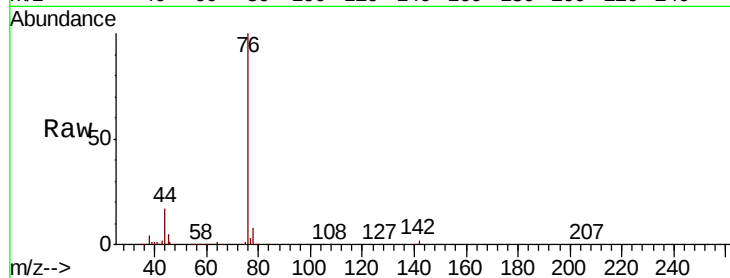
VW0418SBSD01

Tgt Ion: 76 Resp: 214705

Ion Ratio Lower Upper

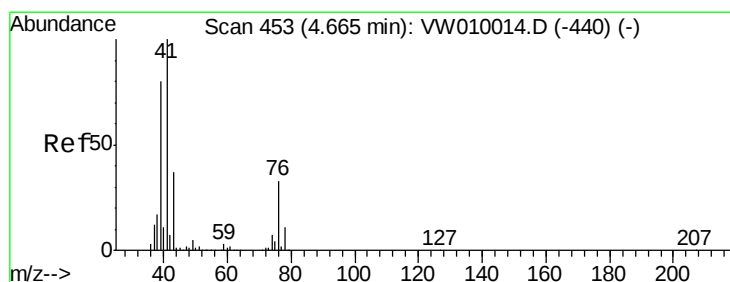
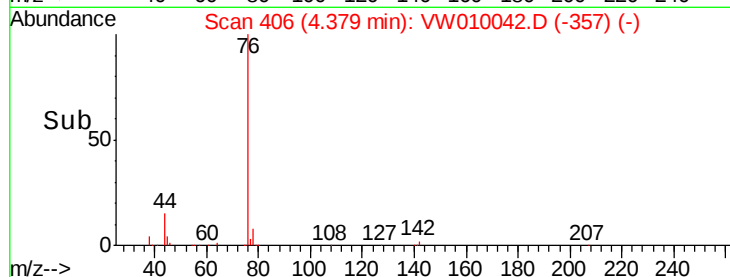
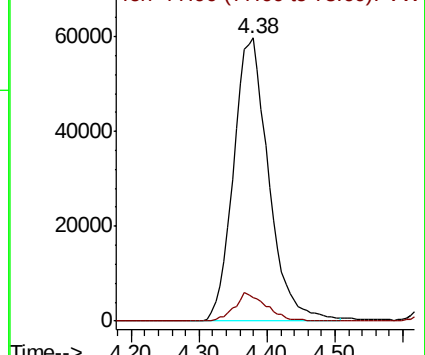
76 100

78 8.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.105 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010042.D

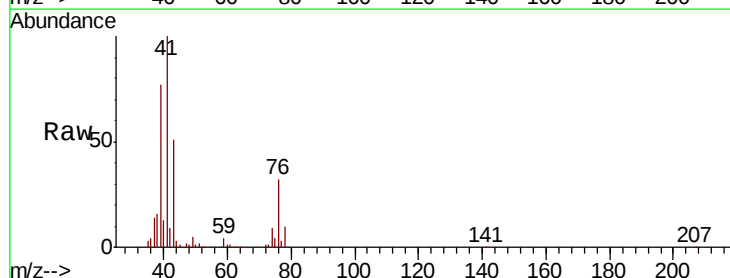
Acq: 18 Apr 2019 13:50

Tgt Ion: 43 Resp: 55572

Ion Ratio Lower Upper

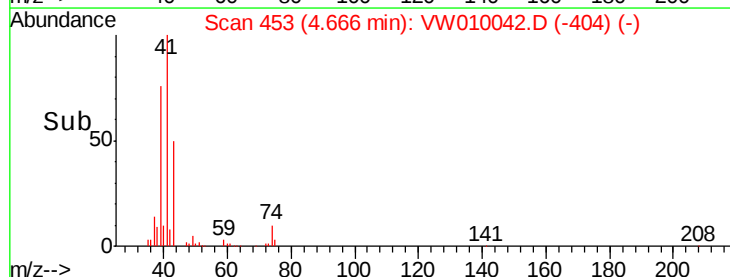
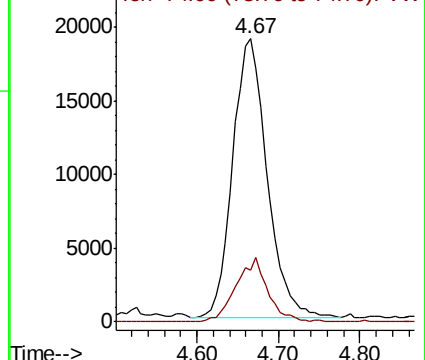
43 100

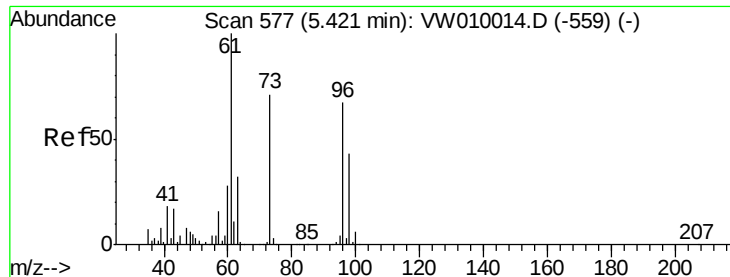
74 21.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

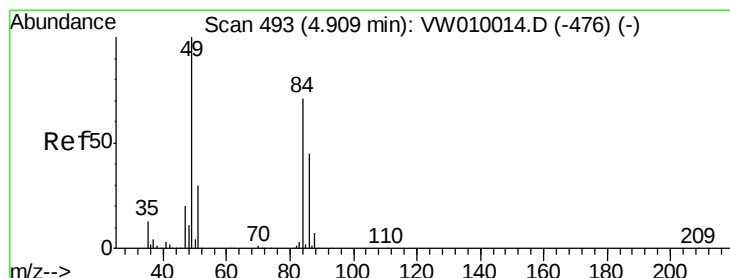
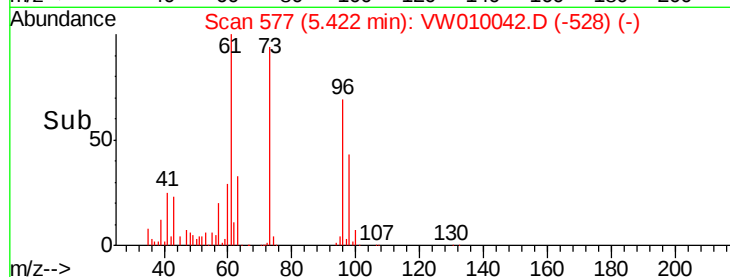
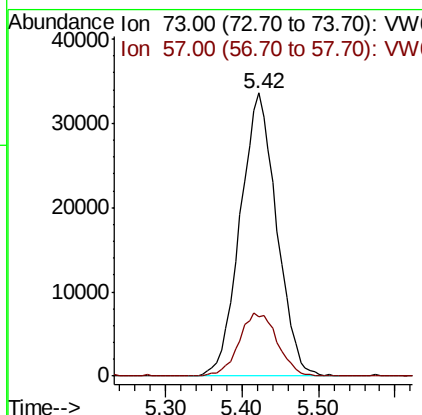
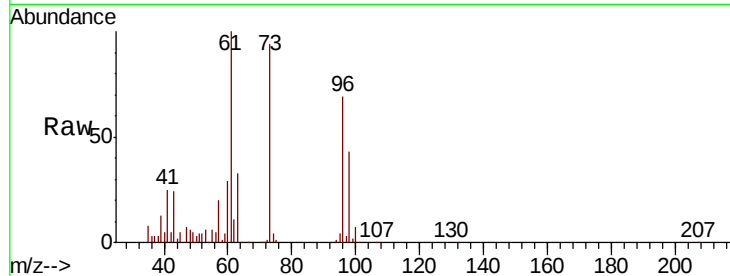




#19
Methyl tert-butyl Ether
Concen: 19.745 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

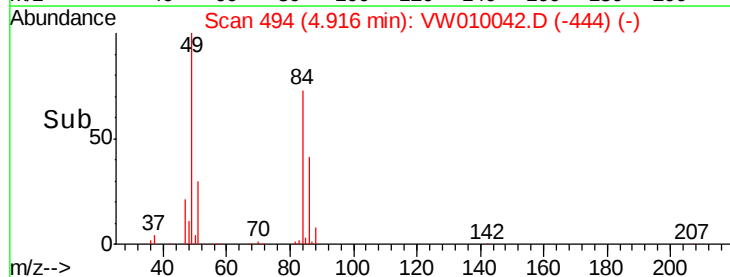
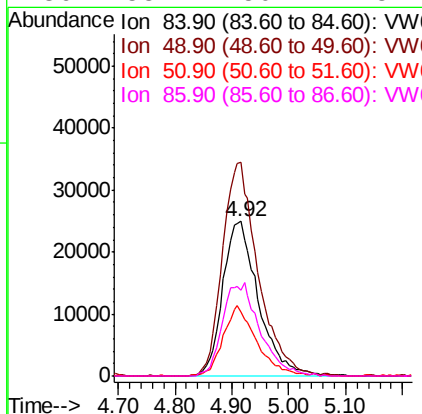
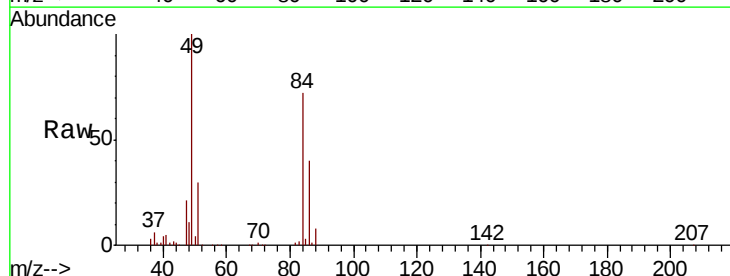
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

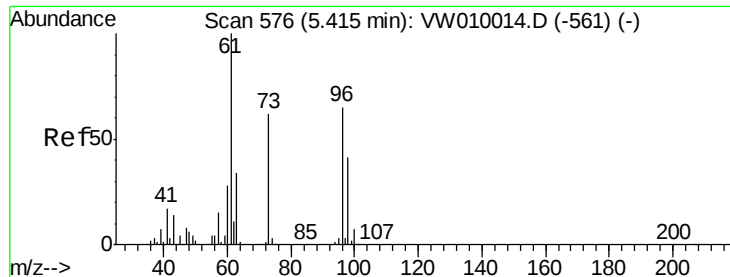
Tgt Ion: 73 Resp: 111288
Ion Ratio Lower Upper
73 100
57 20.9 18.5 27.7



#20
Methylene Chloride
Concen: 19.699 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 84 Resp: 109013
Ion Ratio Lower Upper
84 100
49 138.1 112.3 168.5
51 41.5 33.9 50.9
86 55.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.096 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBSD01

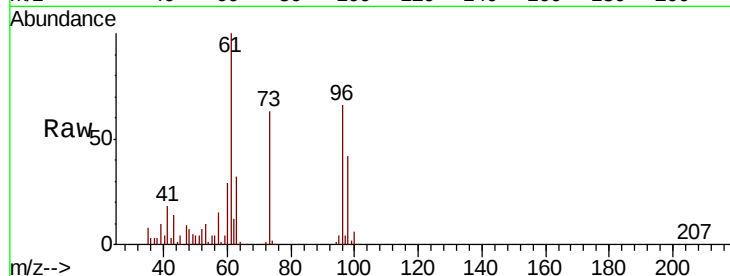
Tgt Ion: 96 Resp: 89732

Ion Ratio Lower Upper

96 100

61 152.1 122.3 183.5

98 63.9 50.5 75.7

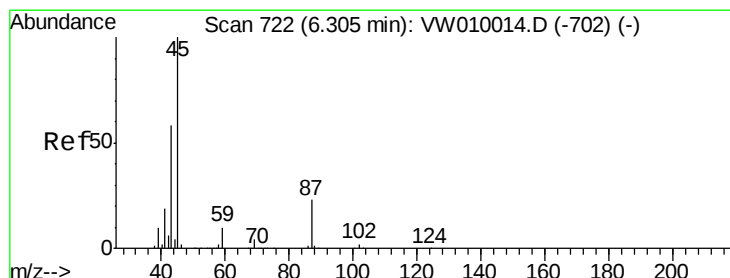
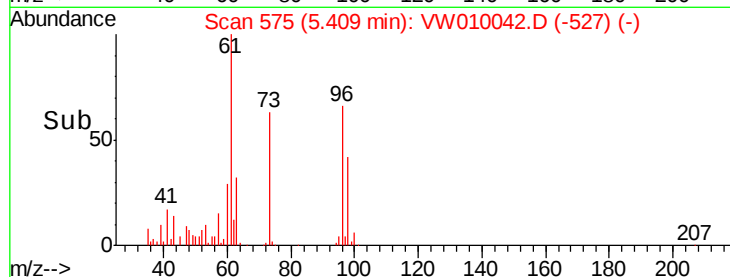
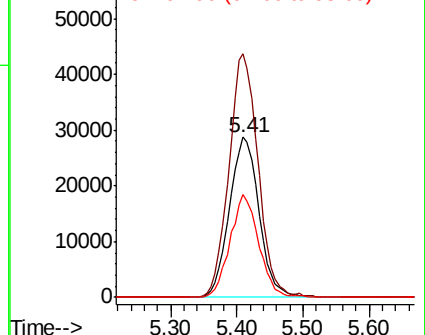


Abundance

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: 19.935 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion: 45 Resp: 311950

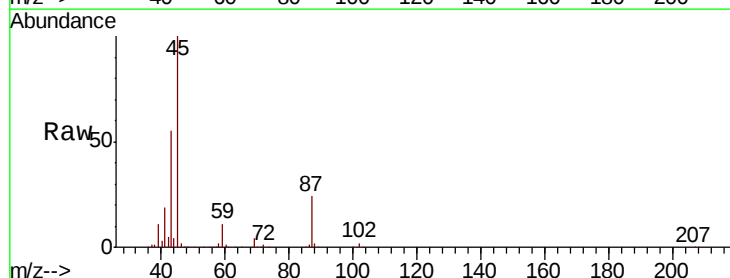
Ion Ratio Lower Upper

45 100

43 54.7 46.1 69.1

87 23.8 18.3 27.5

59 10.7 8.2 12.4



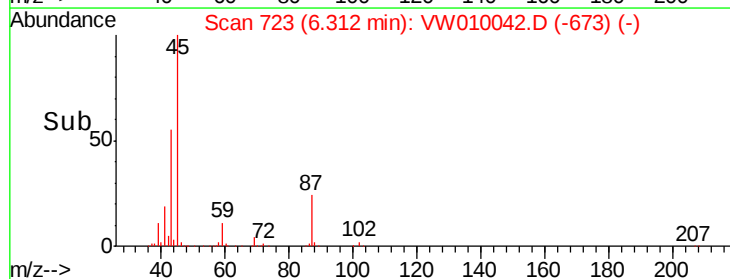
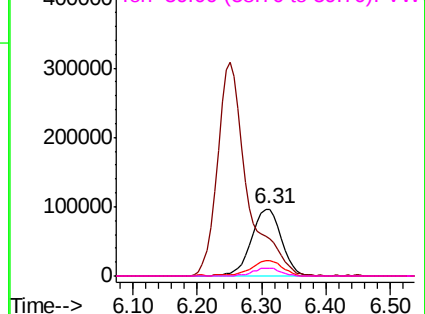
Abundance

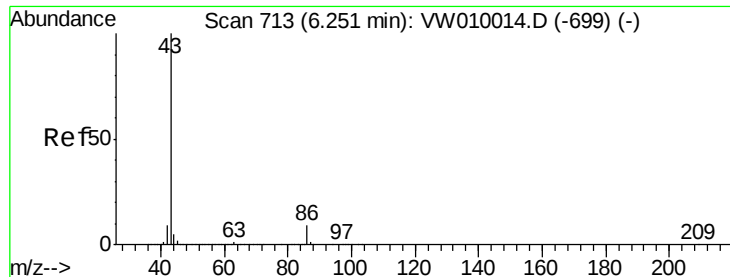
Ion 45.00 (44.70 to 45.70): VW

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: 101.298 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

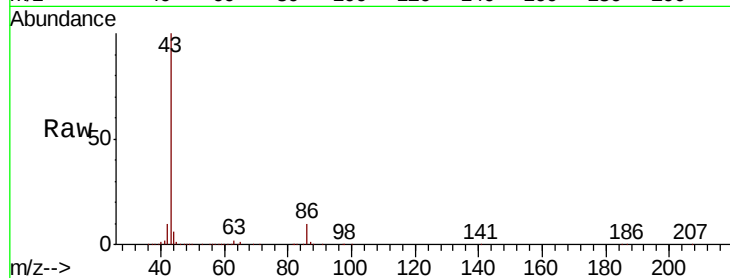
VW0418SBS01

Tgt Ion: 43 Resp: 997888

Ion Ratio Lower Upper

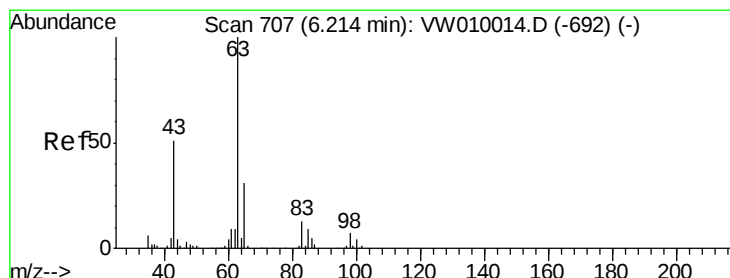
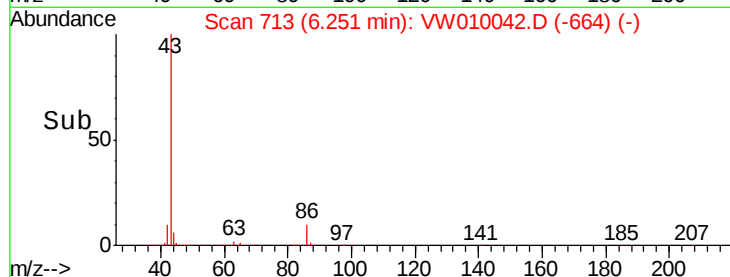
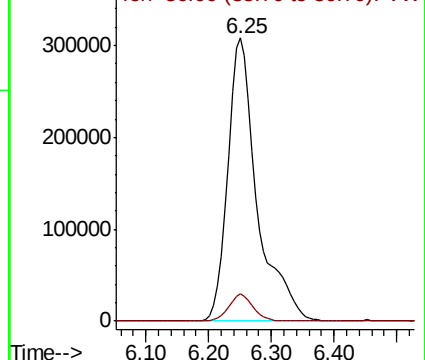
43 100

86 9.9 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.211 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

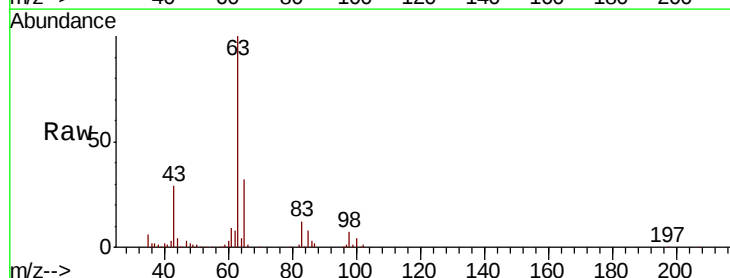
Tgt Ion: 63 Resp: 179710

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

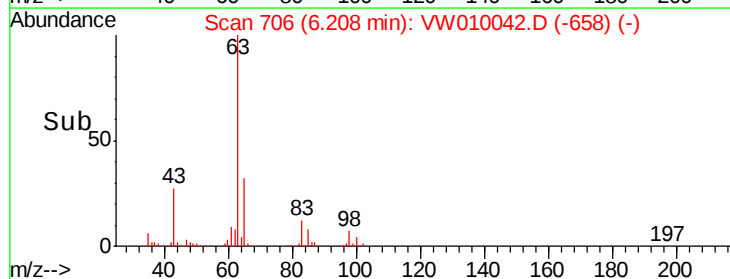
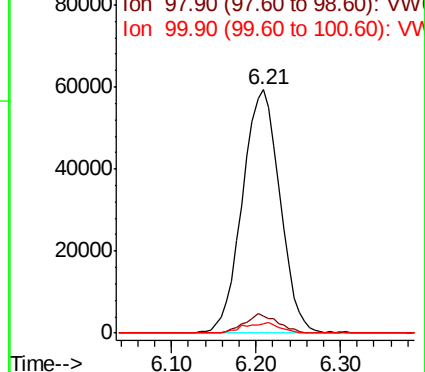
100 4.1 2.0 6.0

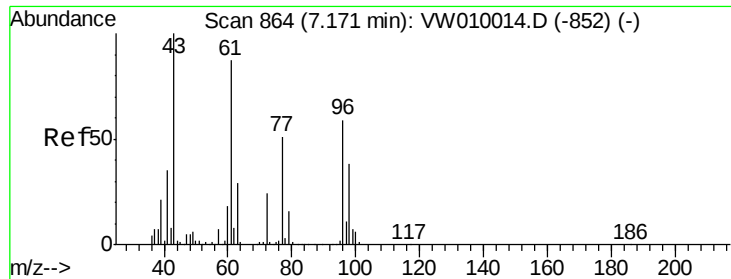


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 102.118 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

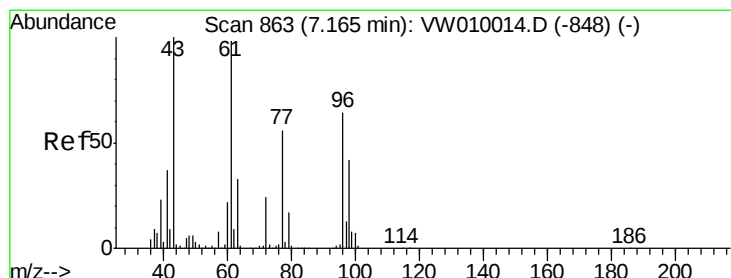
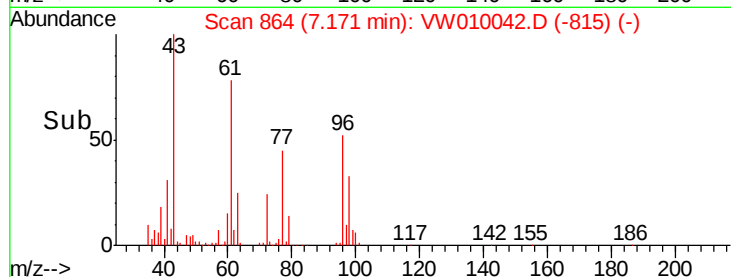
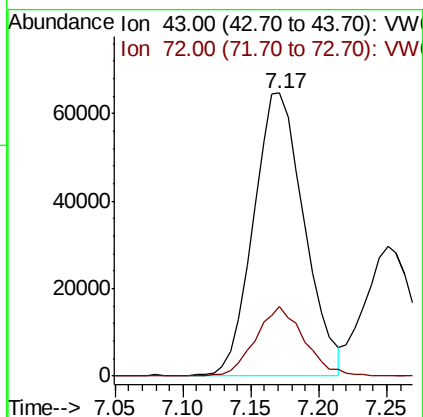
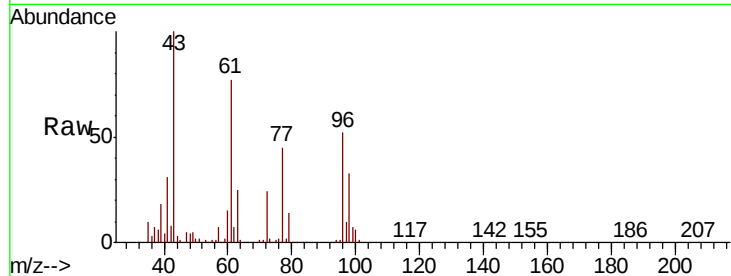
VW0418SBS01

Tgt Ion: 43 Resp: 168592

Ion Ratio Lower Upper

43 100

72 24.4 19.1 28.7



#26

2,2-Dichloropropane

Concen: 19.076 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010042.D

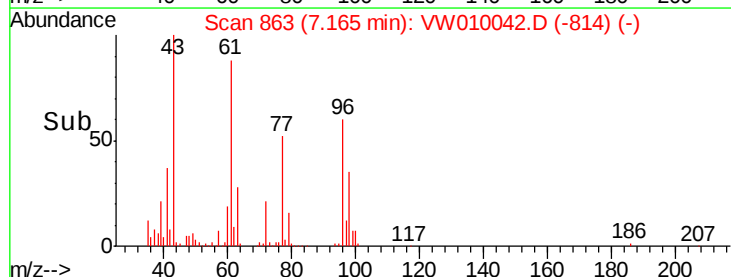
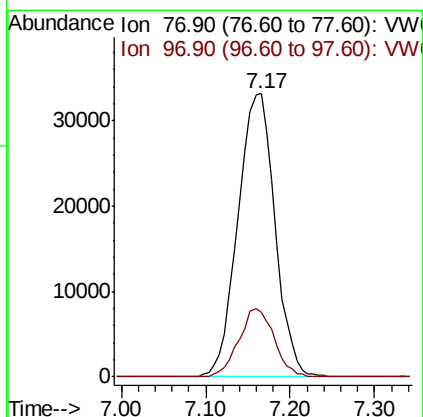
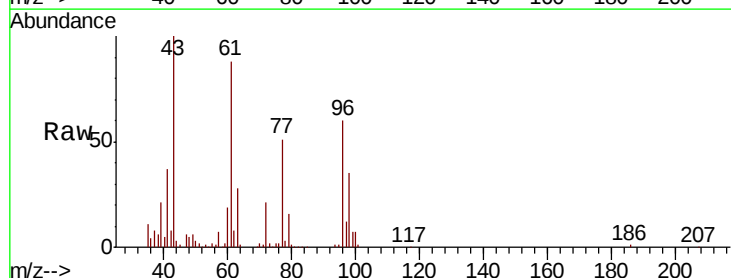
Acq: 18 Apr 2019 13:50

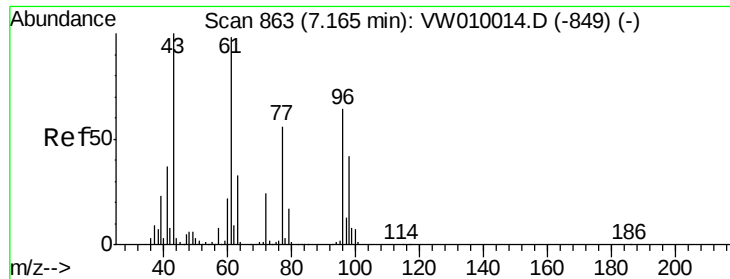
Tgt Ion: 77 Resp: 98729

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9



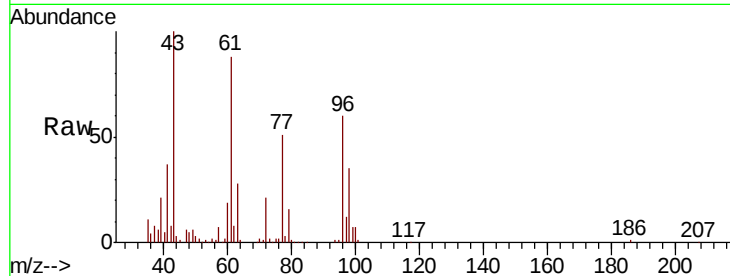


#27

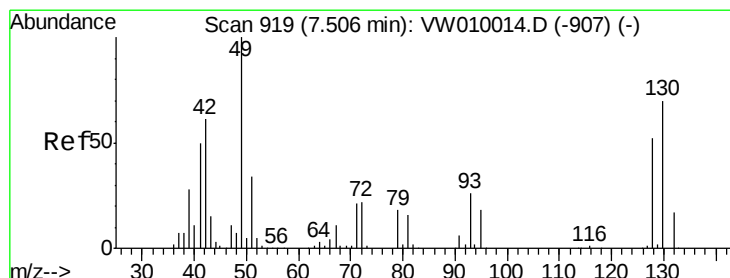
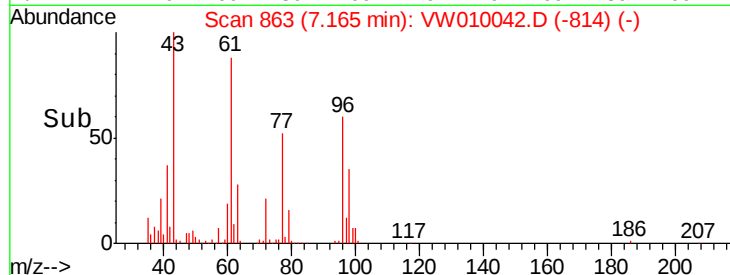
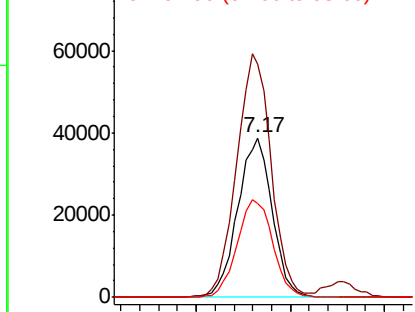
cis-1,2-Dichloroethene
Concen: 19.182 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBSD01

Tgt Ion: 96 Resp: 99128
Ion Ratio Lower Upper
96 100
61 154.0 0.0 309.4
98 63.2 0.0 128.6



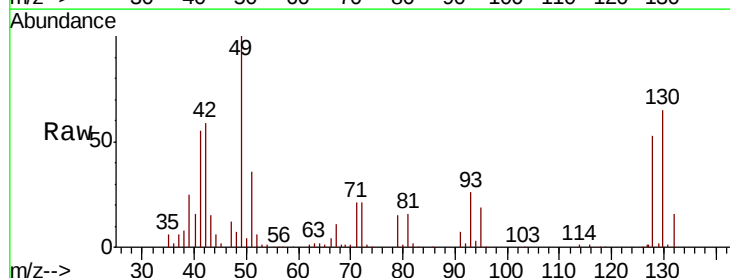
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



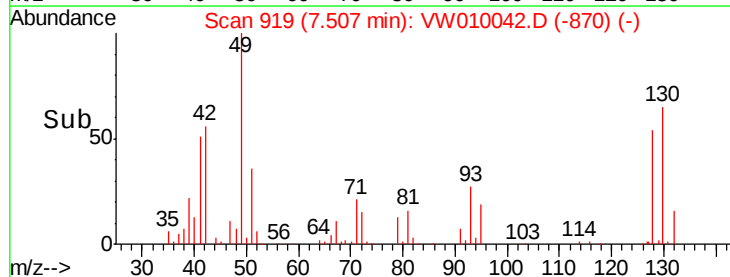
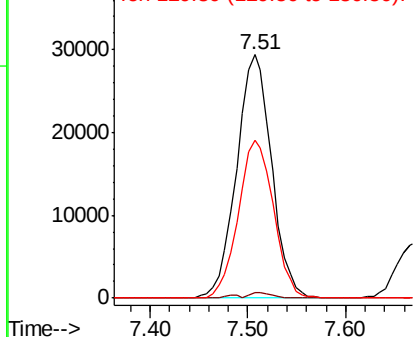
#28

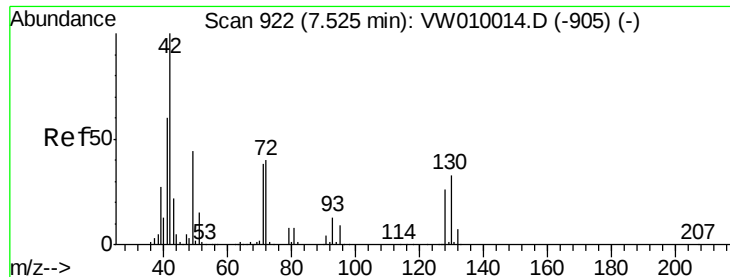
Bromochloromethane
Concen: 19.046 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 49 Resp: 72814
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.8
130 65.3 54.6 82.0



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

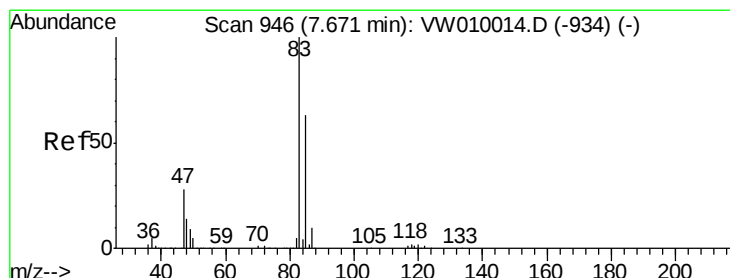
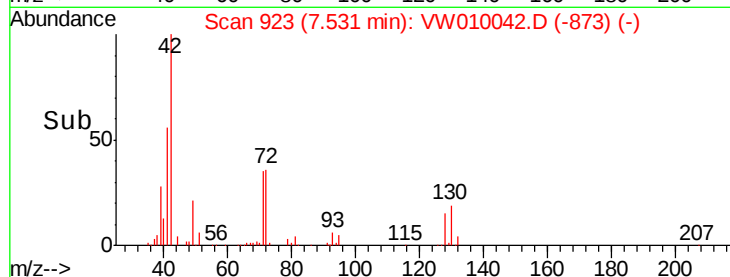
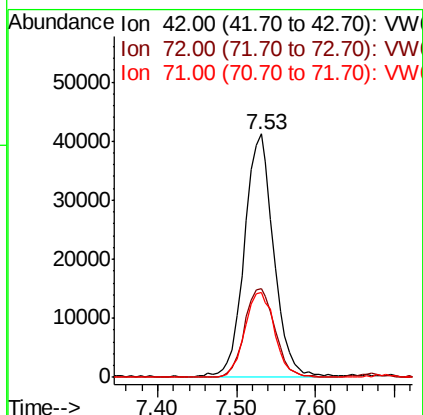
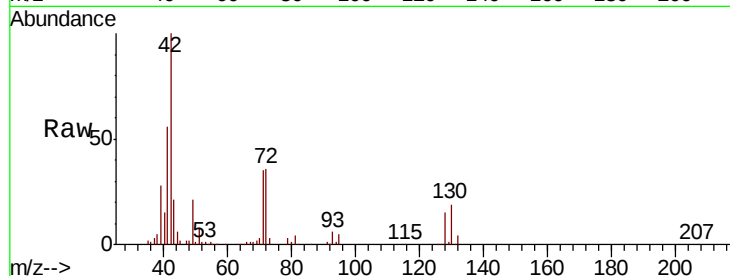




#29
Tetrahydrofuran
Concen: 102.320 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

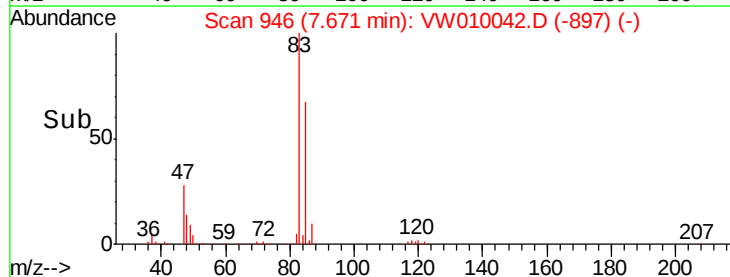
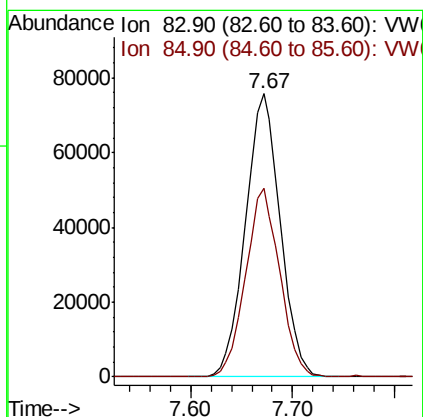
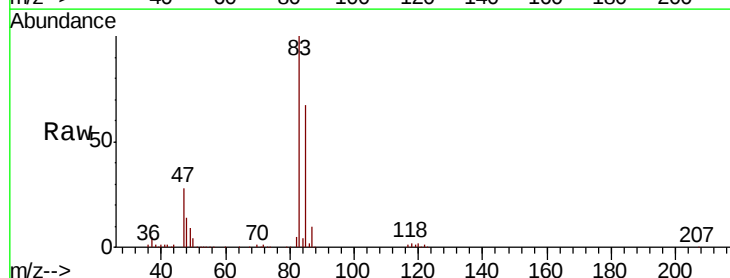
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBSD01

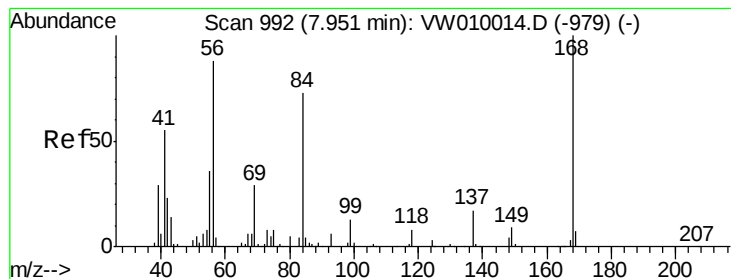
Tgt Ion: 42 Resp: 107037
Ion Ratio Lower Upper
42 100
72 37.9 31.0 46.6
71 35.3 29.7 44.5



#30
Chloroform
Concen: 19.151 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 83 Resp: 179518
Ion Ratio Lower Upper
83 100
85 66.6 50.7 76.1





#31

Cyclohexane

Concen: 18.980 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

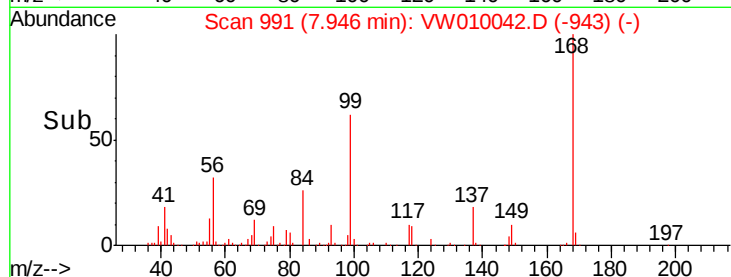
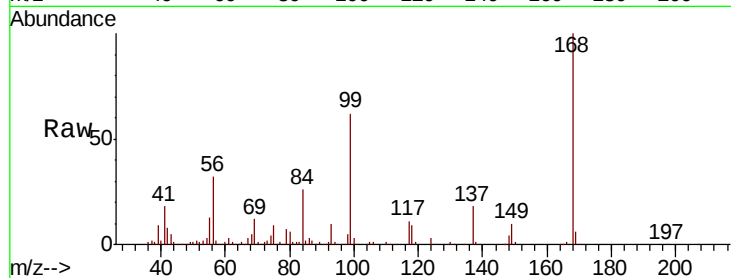
Tgt Ion: 56 Resp: 166265

Ion Ratio Lower Upper

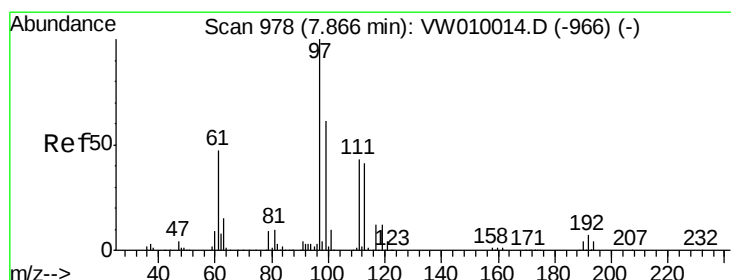
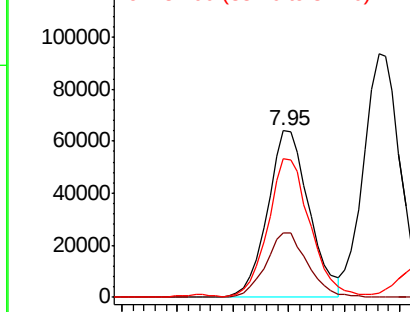
56 100

69 38.4 26.6 40.0

84 82.3 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: 18.890 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

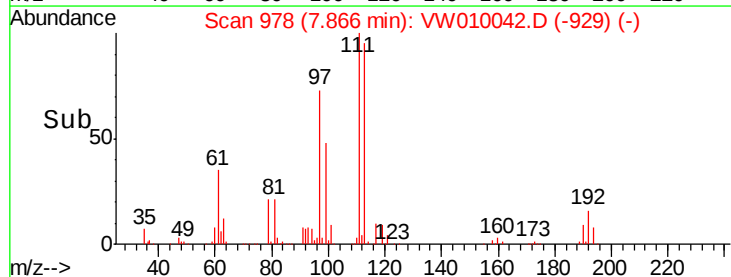
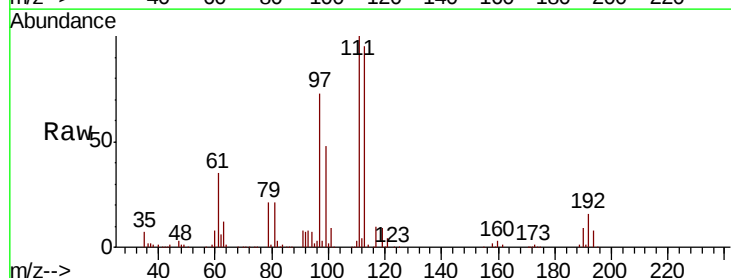
Tgt Ion: 97 Resp: 139007

Ion Ratio Lower Upper

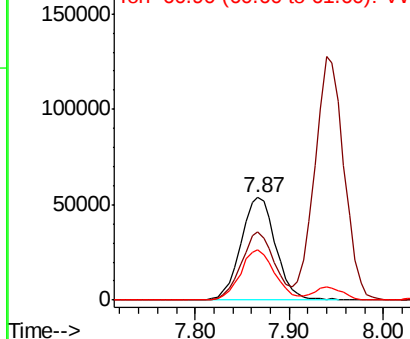
97 100

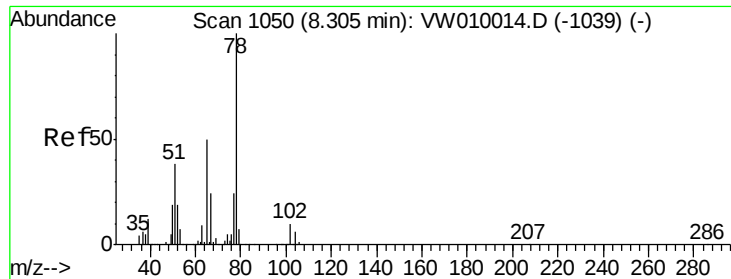
99 63.9 50.2 75.2

61 48.0 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

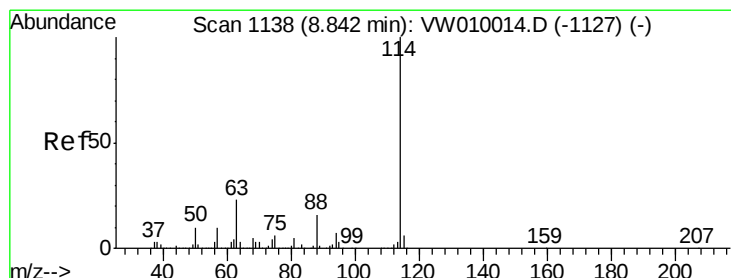
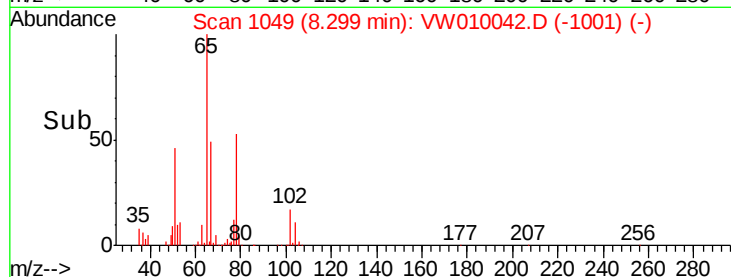
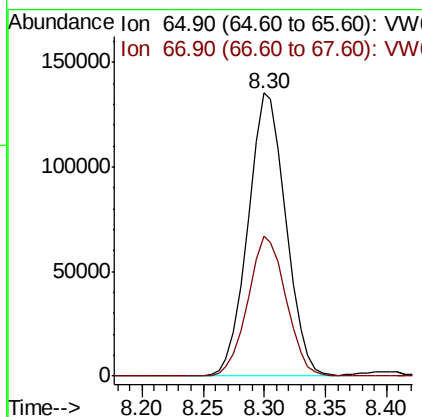
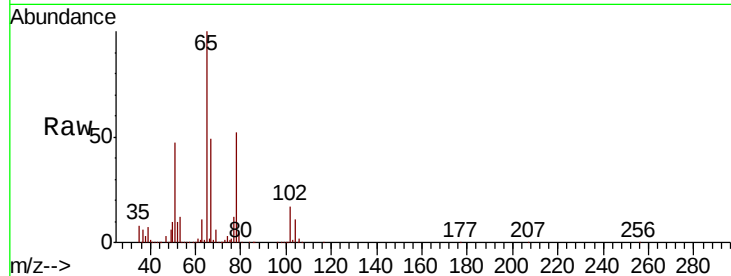




#33
 1,2-Dichloroethane-d4
 Concen: 53.879 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

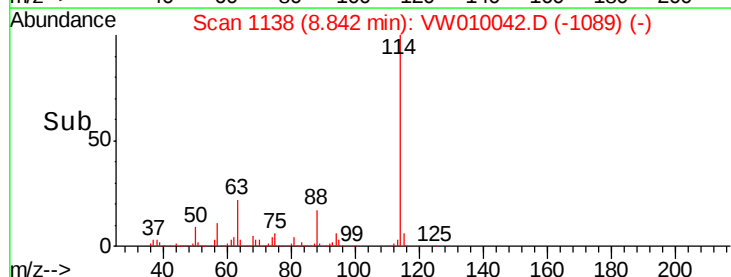
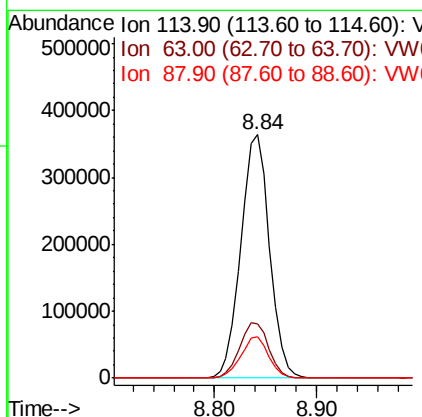
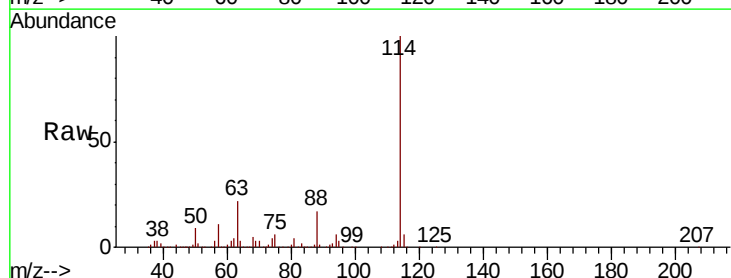
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

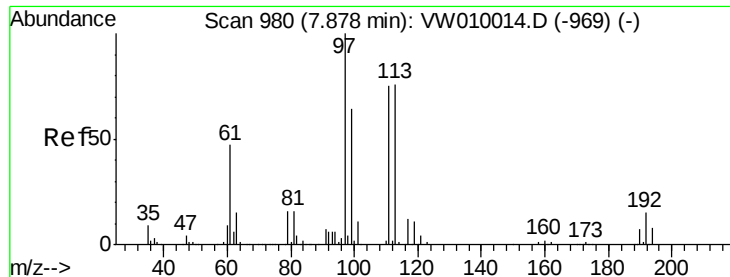
Tgt Ion: 65 Resp: 291849
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 114 Resp: 710785
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 46.2
 88 16.8 0.0 32.6

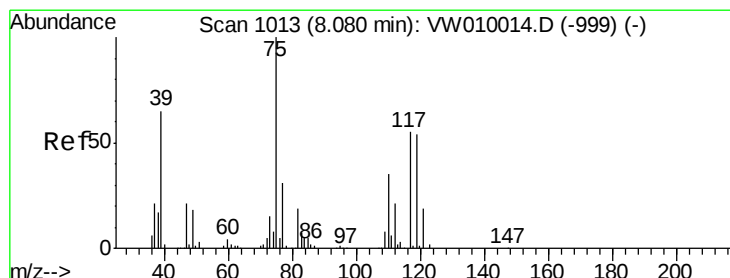
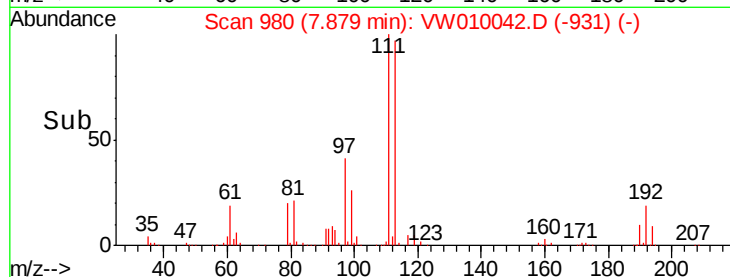
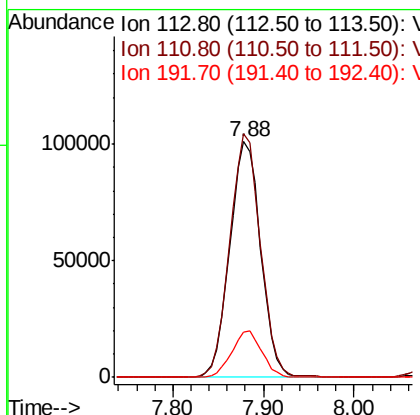
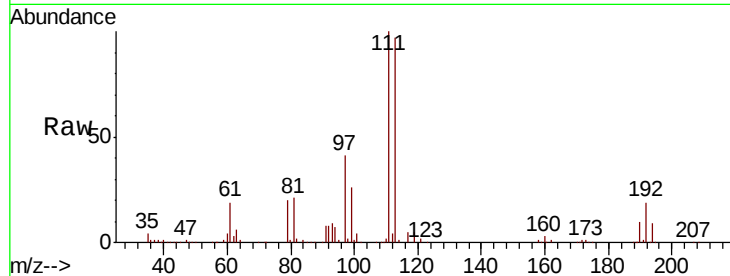




#35
 Dibromofluoromethane
 Concen: 52.881 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

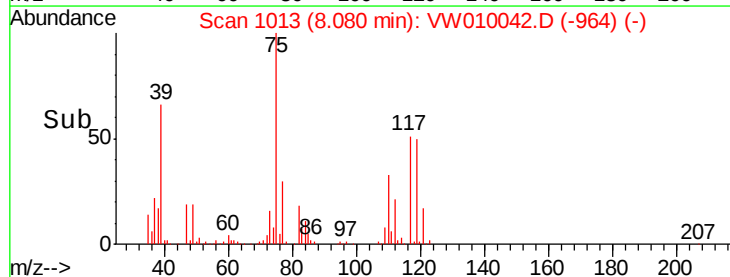
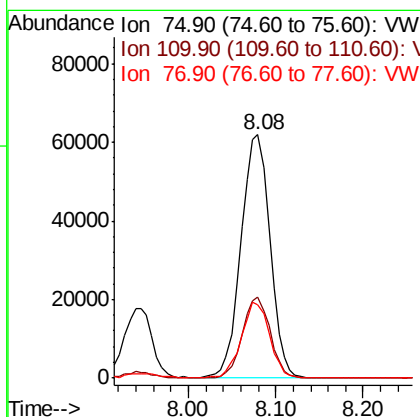
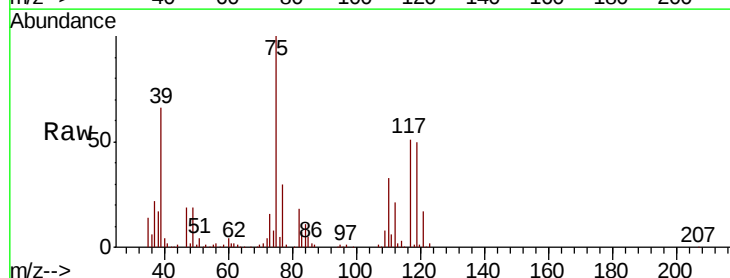
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

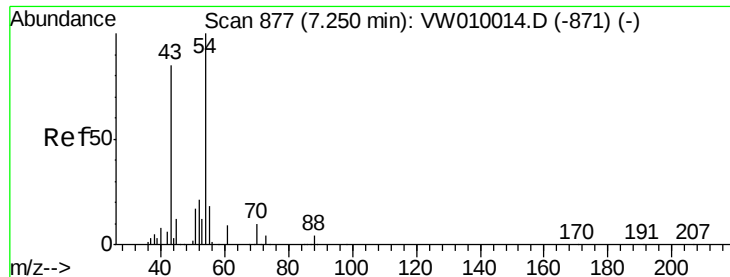
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	123.8
192	19.2	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 19.707 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.6	49.8
77	30.6	24.8	37.2

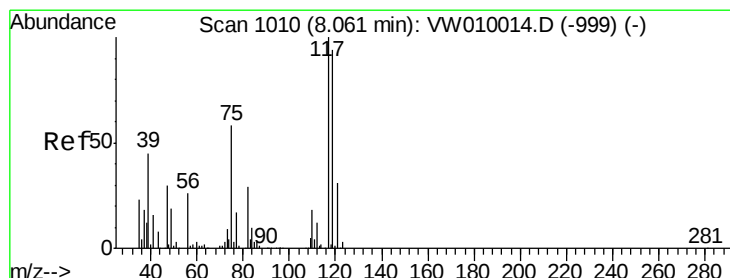
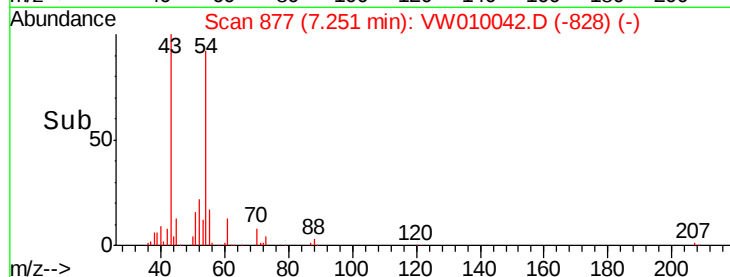
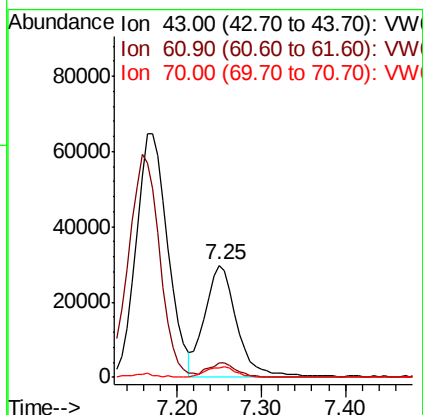
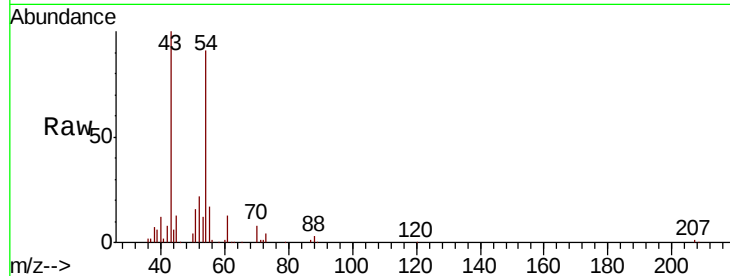




#37
Ethyl Acetate
Concen: 20.988 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

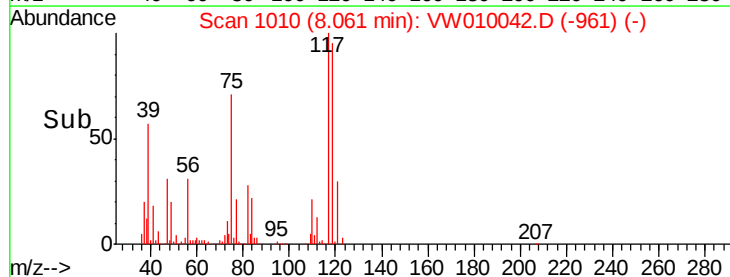
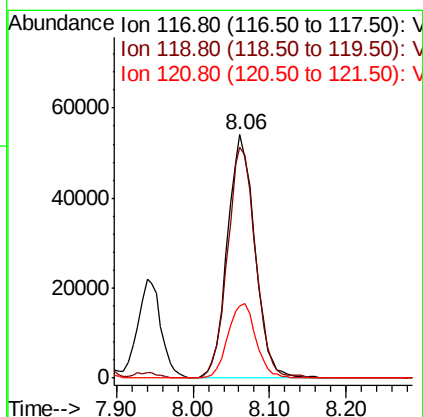
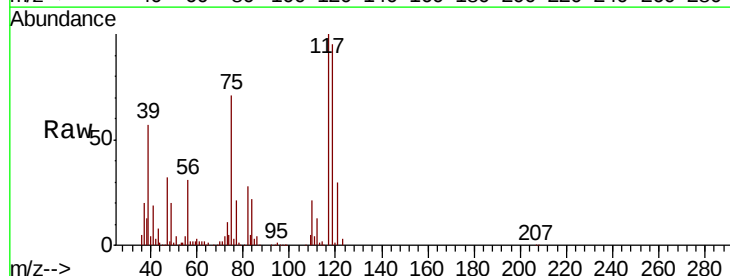
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBSD01

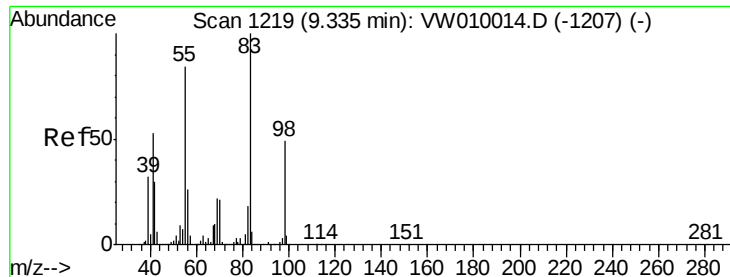
Tgt Ion: 43 Resp: 77432
Ion Ratio Lower Upper
43 100
61 11.7 9.8 14.8
70 8.9 7.4 11.0



#38
Carbon Tetrachloride
Concen: 19.049 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 117 Resp: 134979
Ion Ratio Lower Upper
117 100
119 95.0 75.3 112.9
121 29.7 24.4 36.6

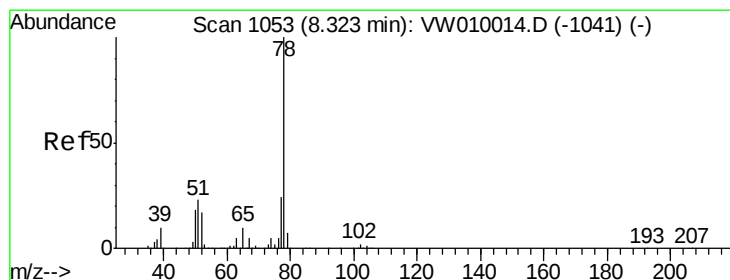
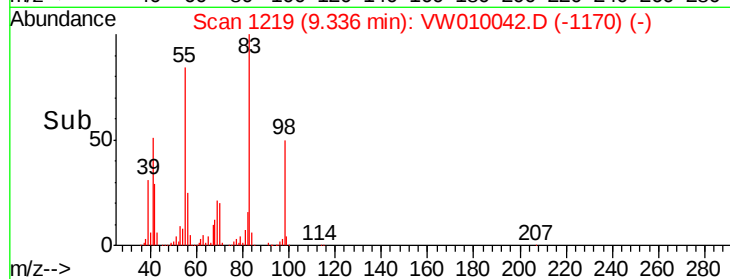
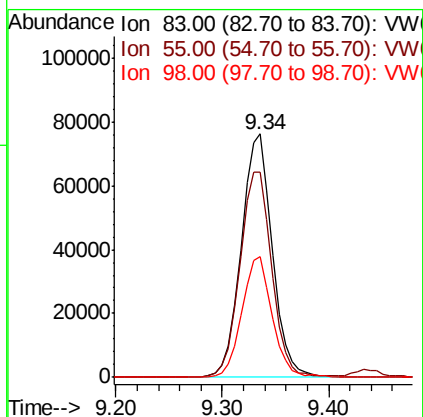
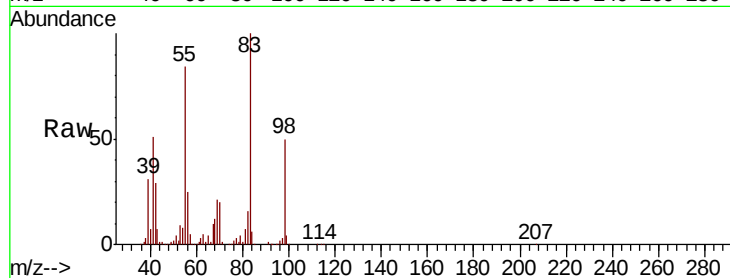




#39
Methylcyclohexane
Concen: 18.429 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

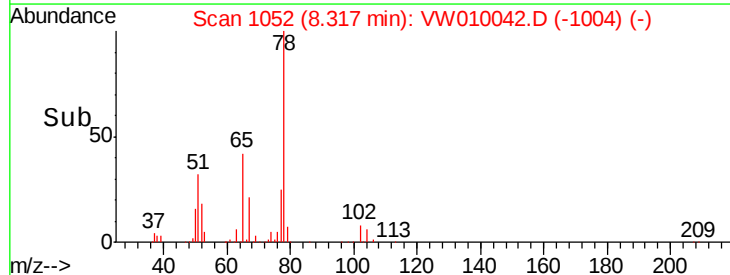
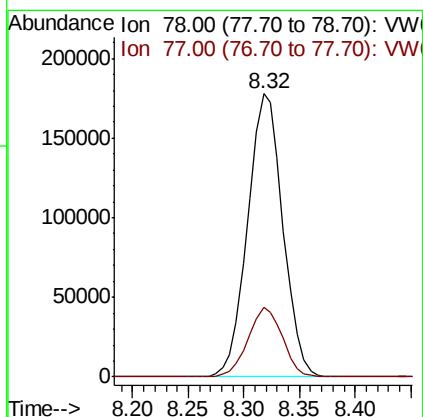
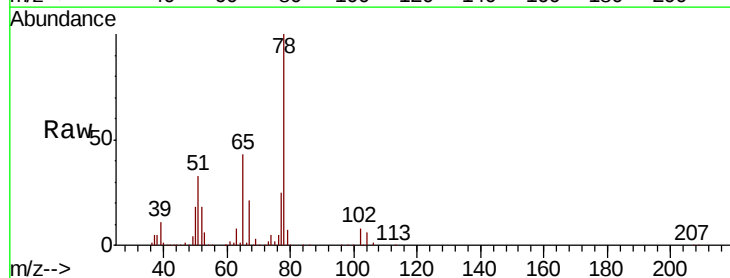
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

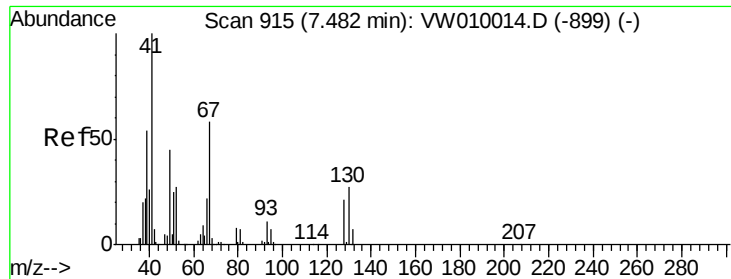
Tgt Ion: 83 Resp: 155980
Ion Ratio Lower Upper
83 100
55 83.9 67.1 100.7
98 49.6 39.2 58.8



#40
Benzene
Concen: 19.690 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 78 Resp: 390887
Ion Ratio Lower Upper
78 100
77 24.7 19.1 28.7

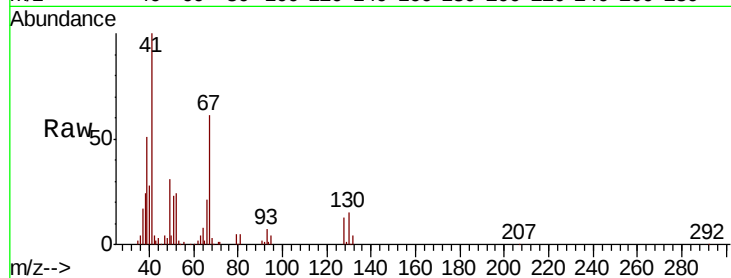




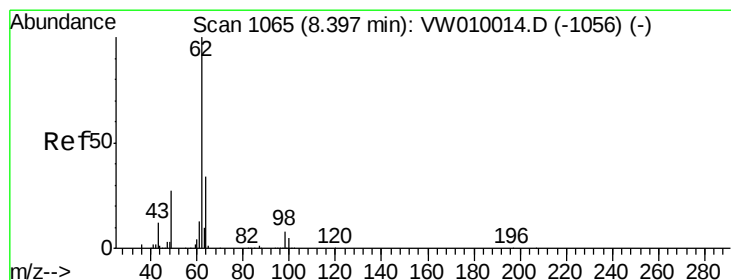
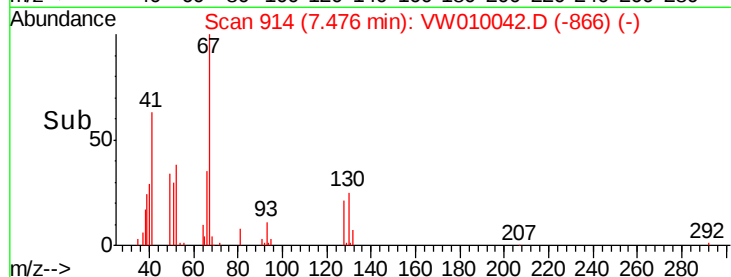
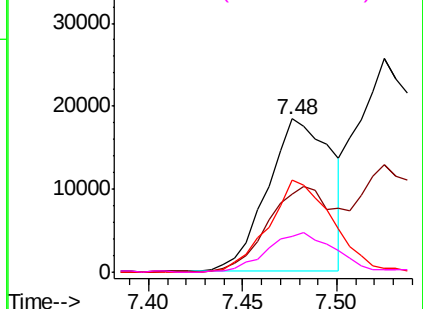
#41
Methacrylonitrile
Concen: 20.688 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tgt Ion:	41	Resp:	43501
Ion	Ratio	Lower	Upper
41	100		
39	62.4	45.0	67.4
67	61.2	50.7	76.1
52	28.4	22.6	33.8

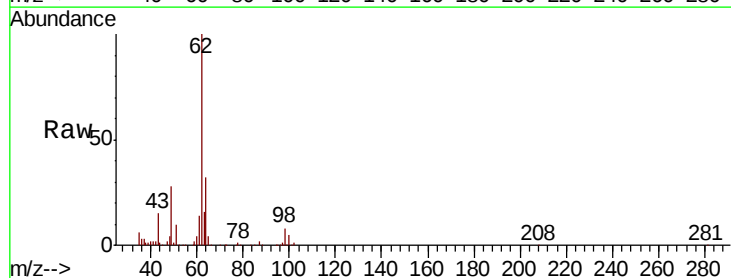


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

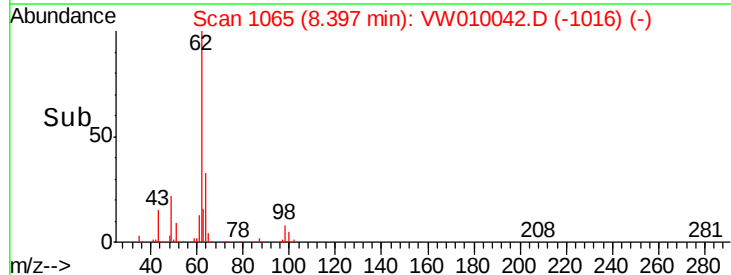
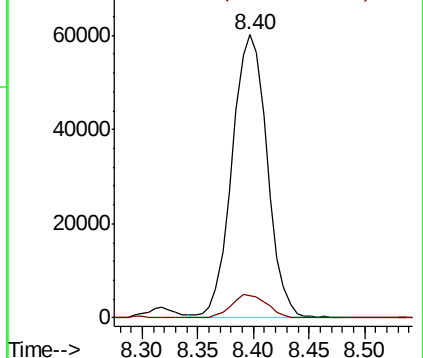


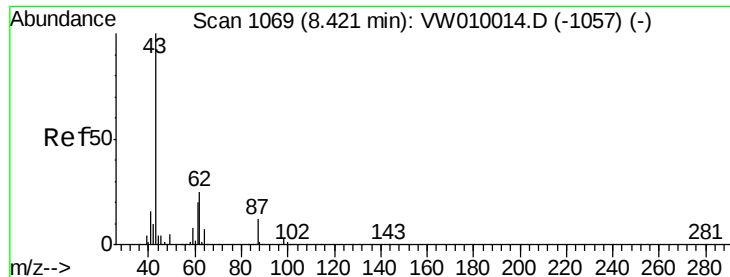
#42
1,2-Dichloroethane
Concen: 19.289 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion:	62	Resp:	131600
Ion	Ratio	Lower	Upper
62	100		
98	8.4	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: 20.258 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

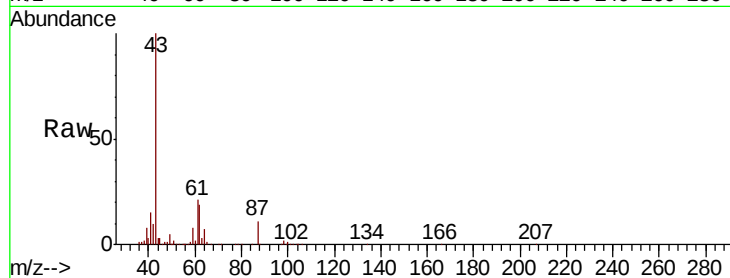
Tgt Ion: 43 Resp: 140054

Ion Ratio Lower Upper

43 100

61 27.4 23.0 34.6

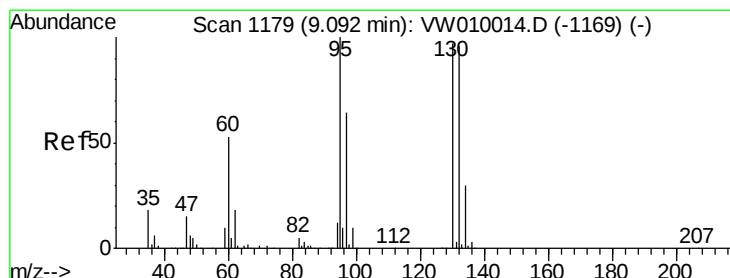
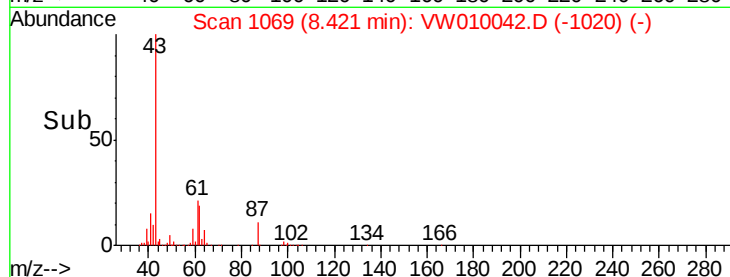
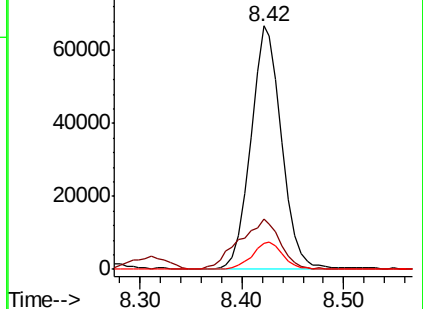
87 11.0 9.3 13.9



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: 19.142 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010042.D

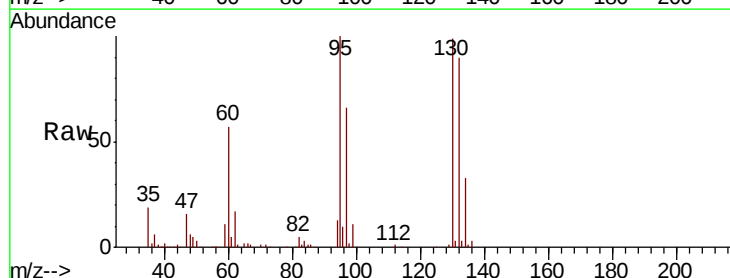
Acq: 18 Apr 2019 13:50

Tgt Ion: 130 Resp: 96519

Ion Ratio Lower Upper

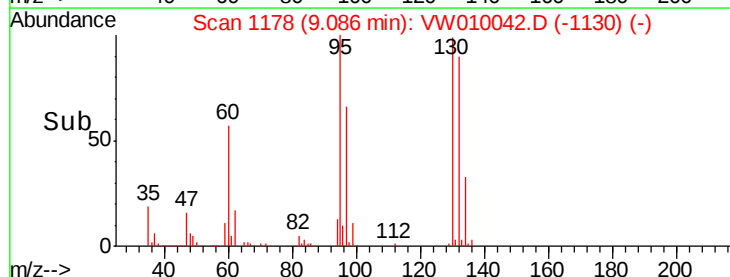
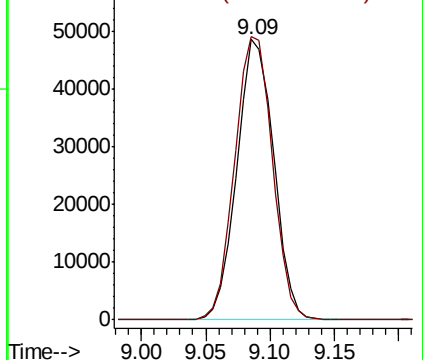
130 100

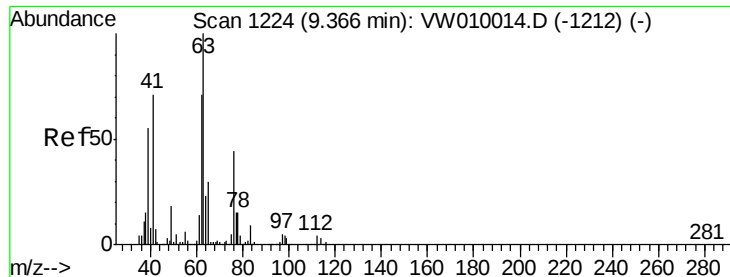
95 101.0 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

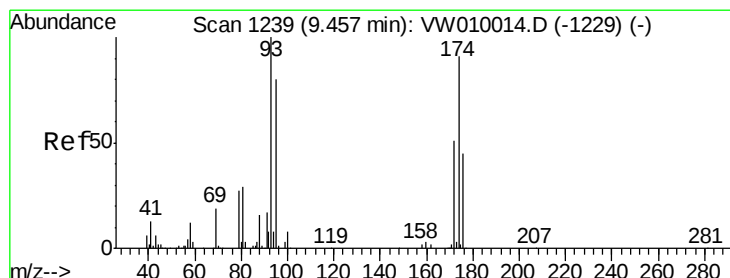
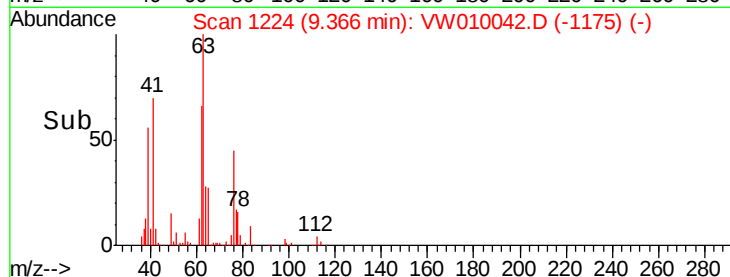
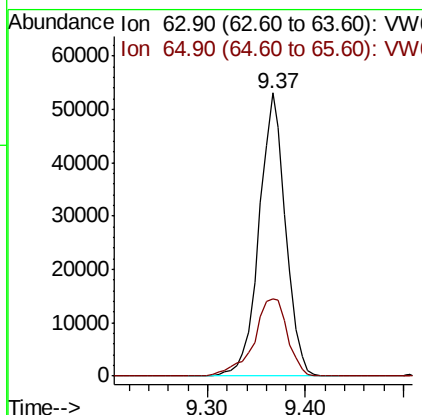
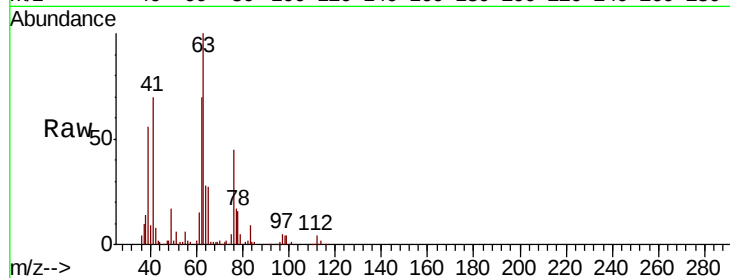




#45
 1,2-Dichloropropane
 Concen: 19.183 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

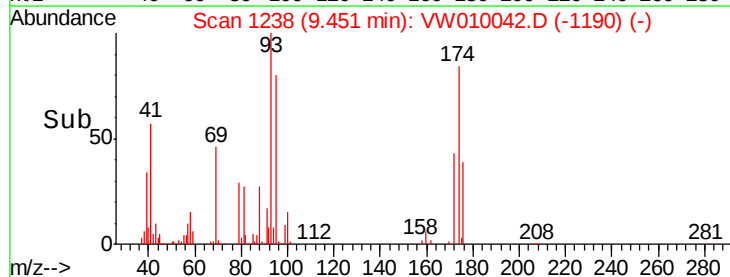
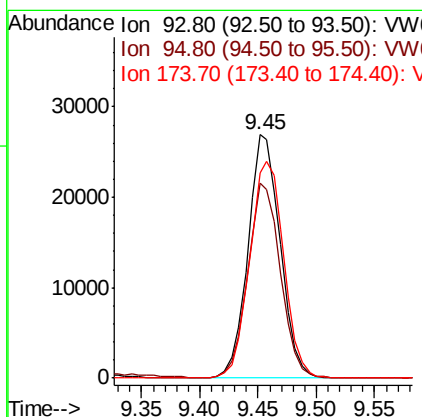
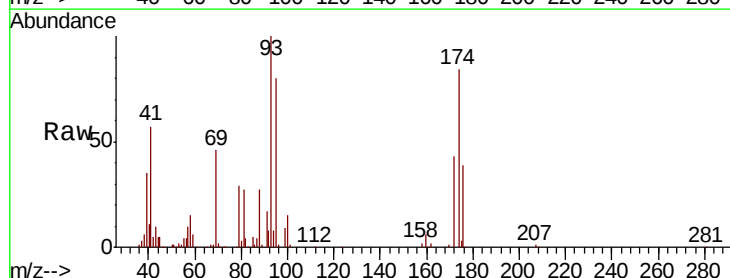
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBSD01

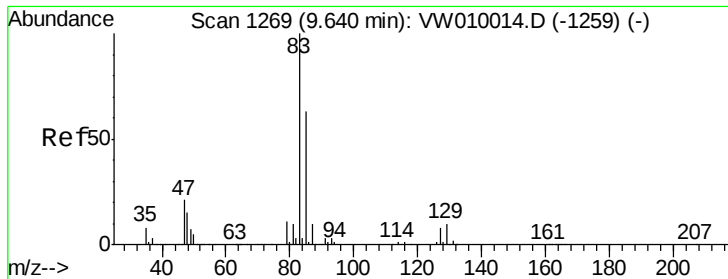
Tgt Ion: 63 Resp: 100100
 Ion Ratio Lower Upper
 63 100
 65 27.4 23.8 35.6



#46
 Dibromomethane
 Concen: 19.199 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 93 Resp: 51926
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.8 98.8
 174 94.3 75.5 113.3

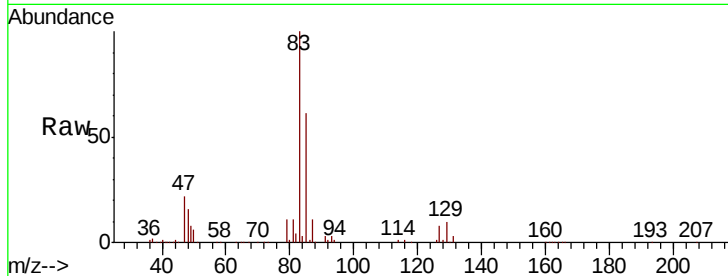




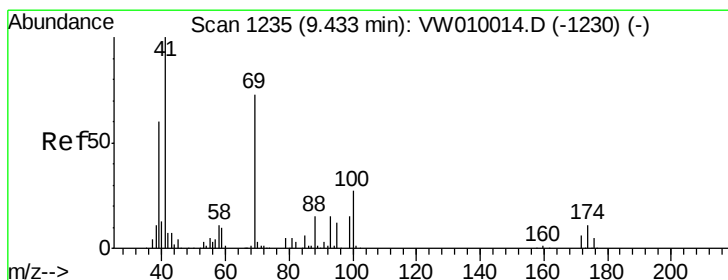
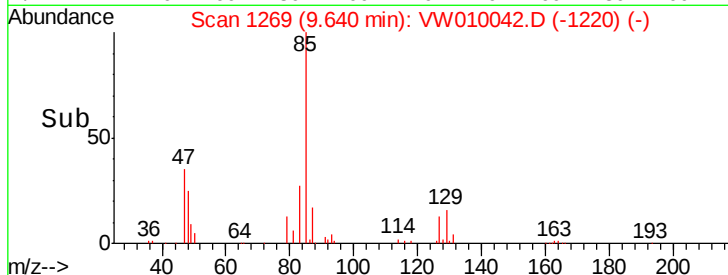
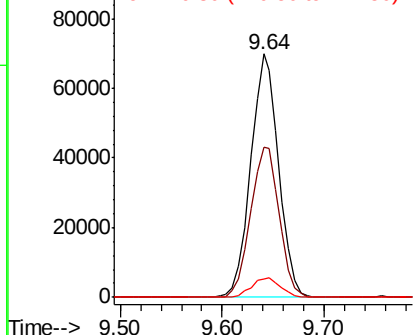
#47
 Bromodichloromethane
 Concen: 18.993 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tgt Ion: 83 Resp: 132601
 Ion Ratio Lower Upper
 83 100
 85 61.4 50.6 75.8
 127 7.7 6.6 10.0

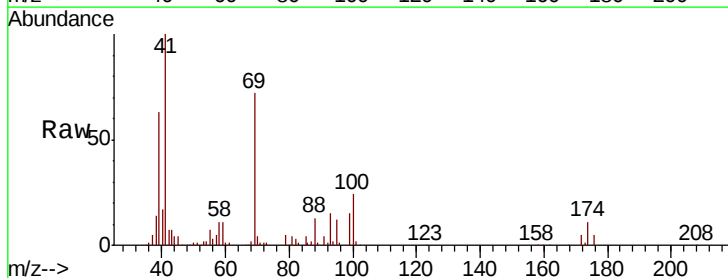


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): VW

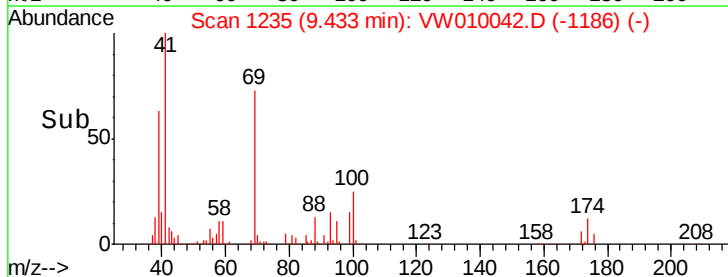
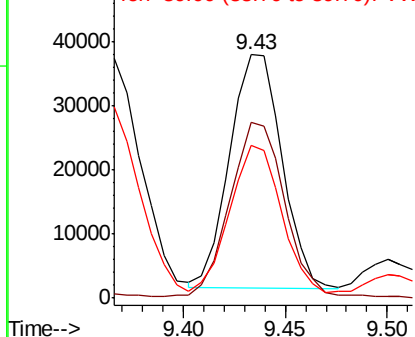


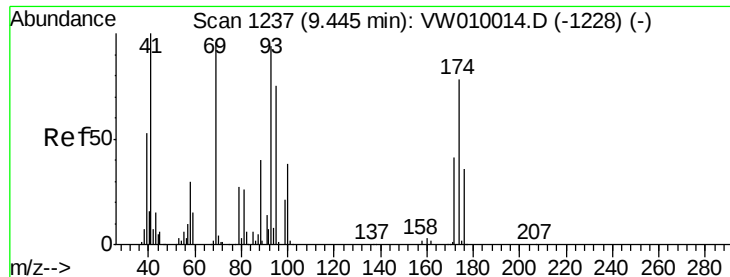
#48
 Methyl methacrylate
 Concen: 19.223 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 41 Resp: 64691
 Ion Ratio Lower Upper
 41 100
 69 80.0 60.1 90.1
 39 67.0 51.0 76.6



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

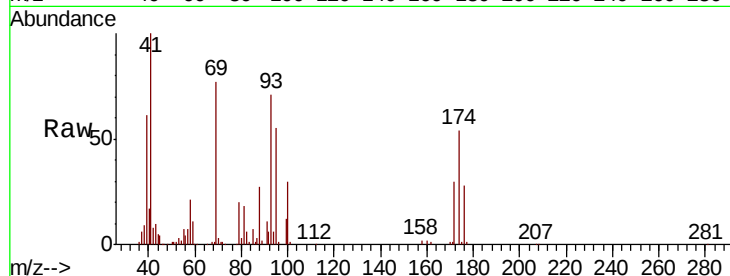




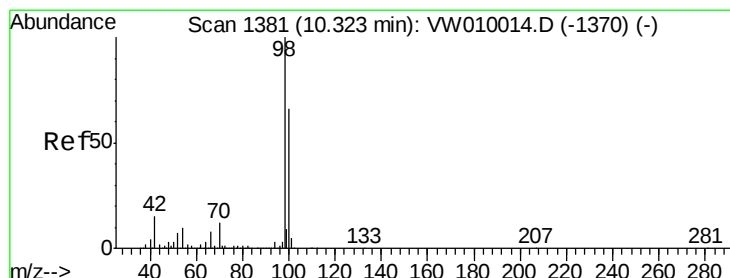
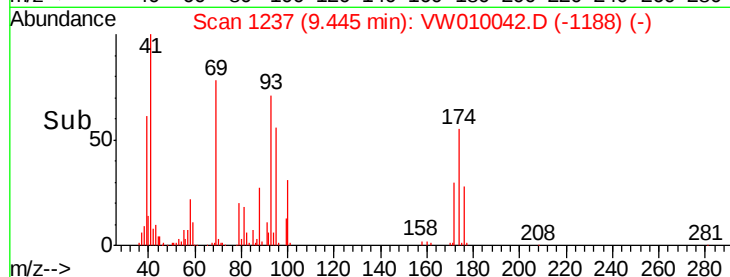
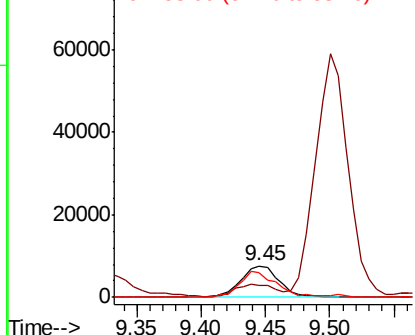
#49
 1,4-Dioxane
 Concen: 376.210 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tgt Ion: 88 Resp: 15547
 Ion Ratio Lower Upper
 88 100
 43 40.3 31.9 47.9
 58 76.5 61.8 92.6

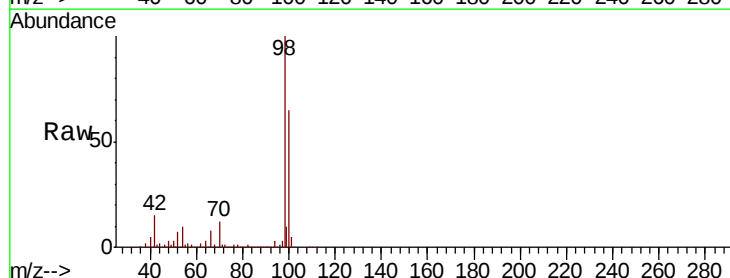


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

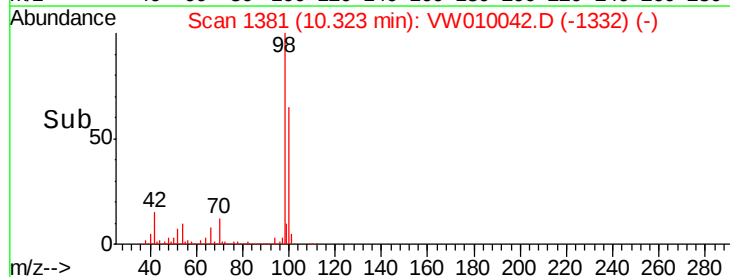
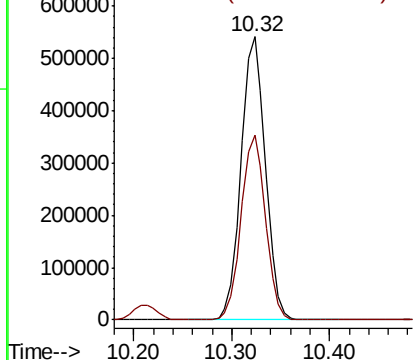


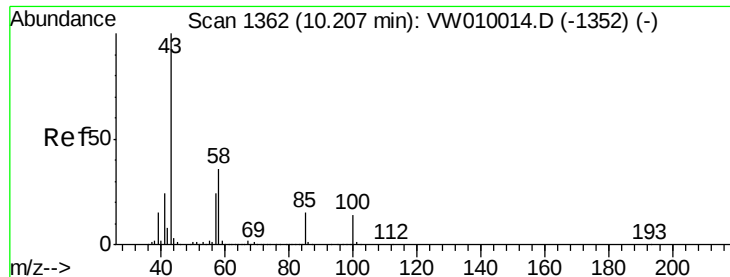
#50
 Toluene-d8
 Concen: 55.080 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 98 Resp: 932681
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

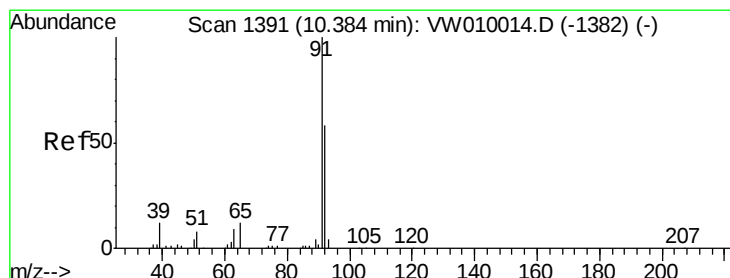
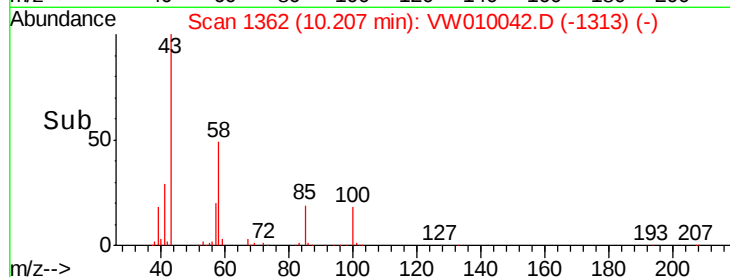
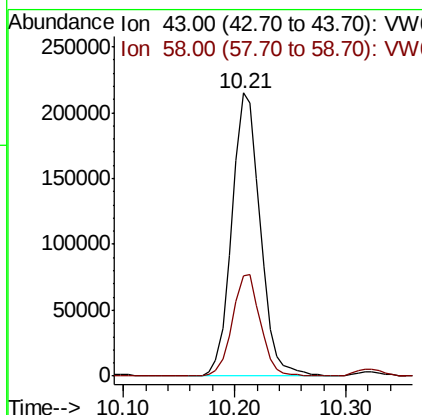
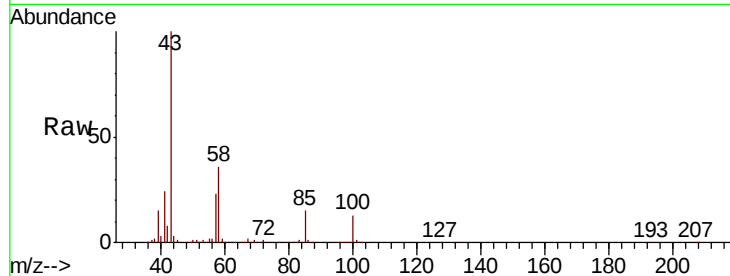




#51
 4-Methyl-2-Pentanone
 Concen: 104.555 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

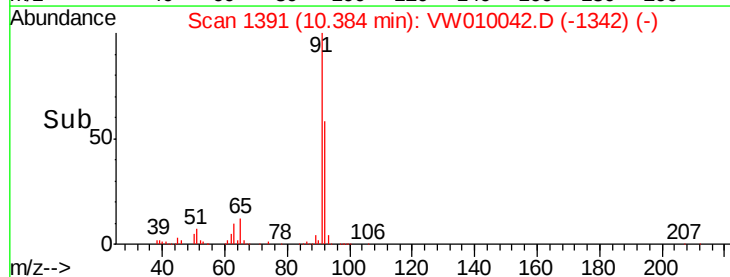
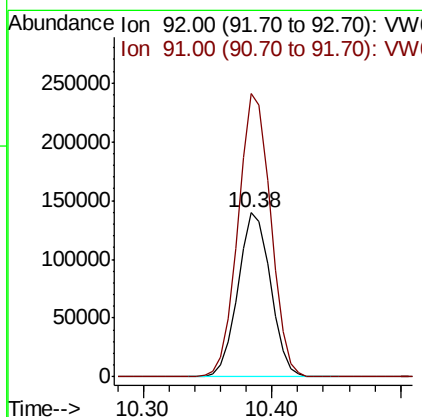
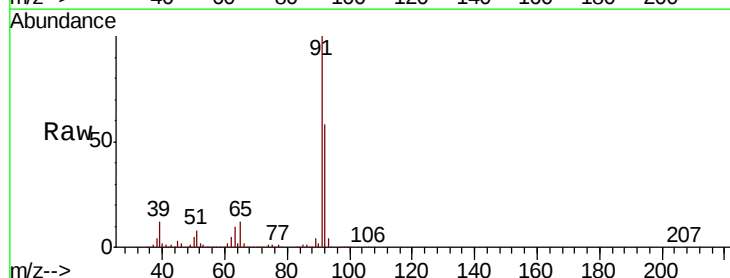
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

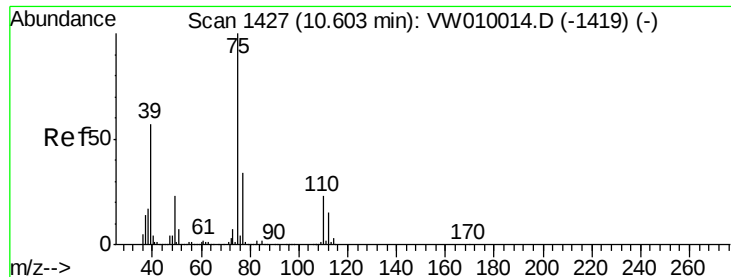
Tgt Ion: 43 Resp: 378595
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.9 43.3



#52
 Toluene
 Concen: 19.720 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 92 Resp: 243870
 Ion Ratio Lower Upper
 92 100
 91 172.9 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 19.207 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

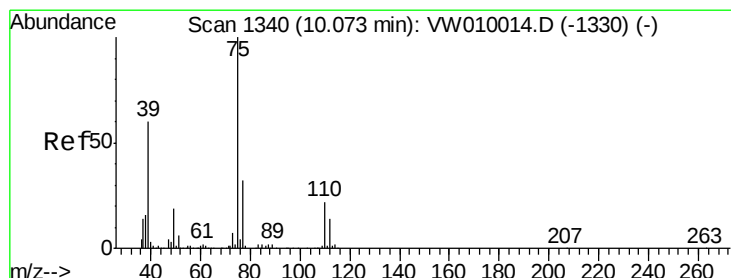
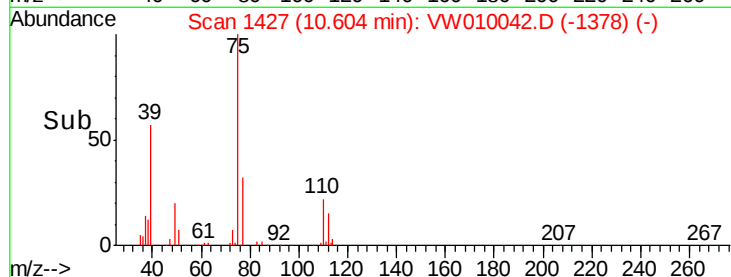
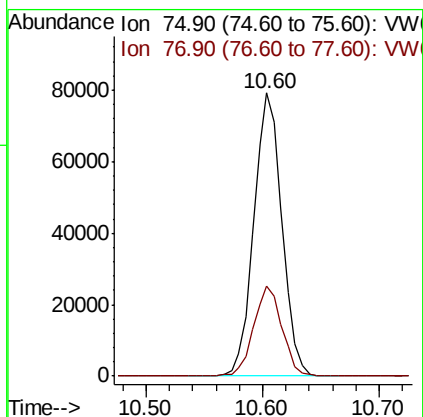
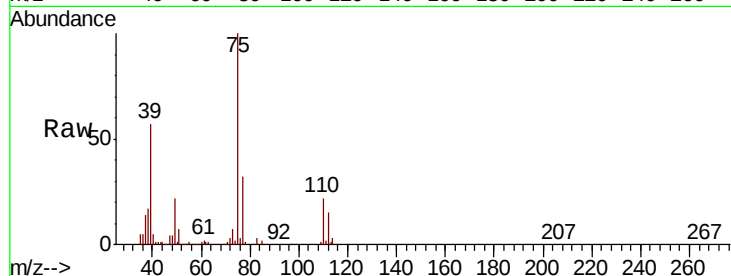
VW0418SBS01

Tgt Ion: 75 Resp: 132951

Ion Ratio Lower Upper

75 100

77 31.6 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 19.073 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

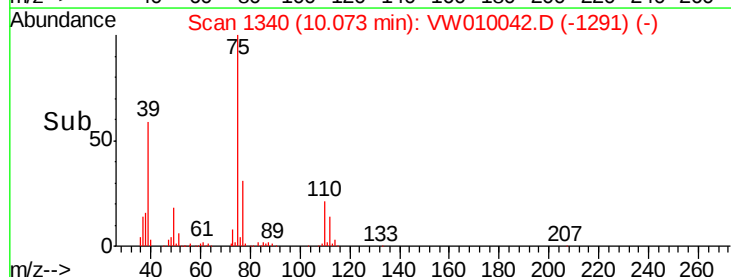
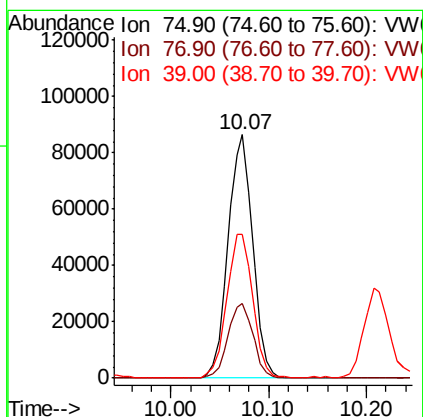
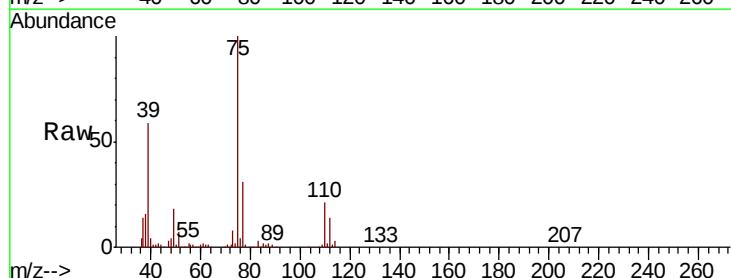
Tgt Ion: 75 Resp: 150753

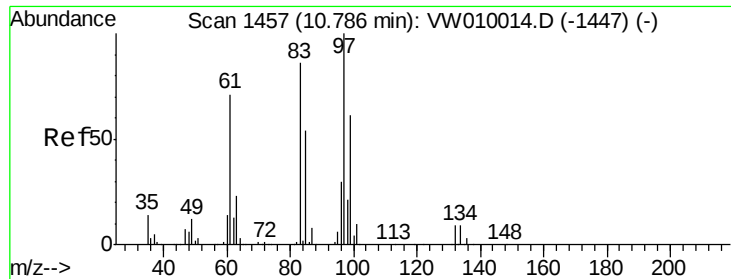
Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4

39 59.2 47.8 71.6

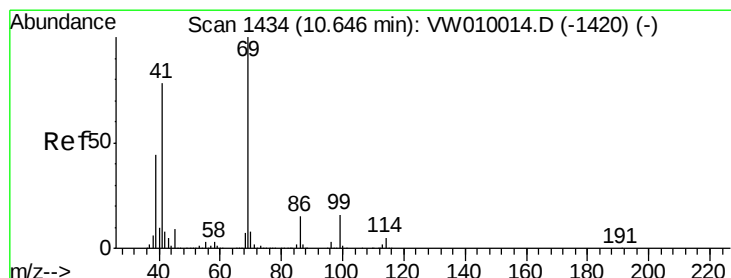
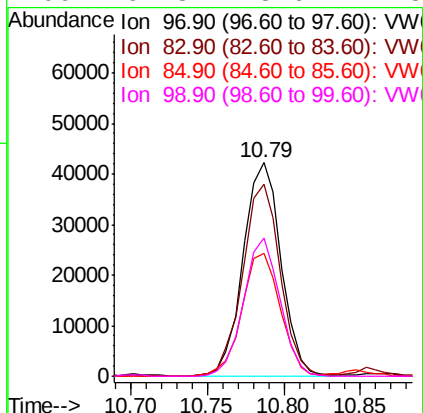
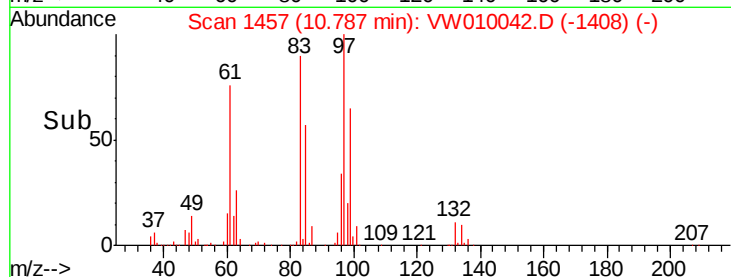
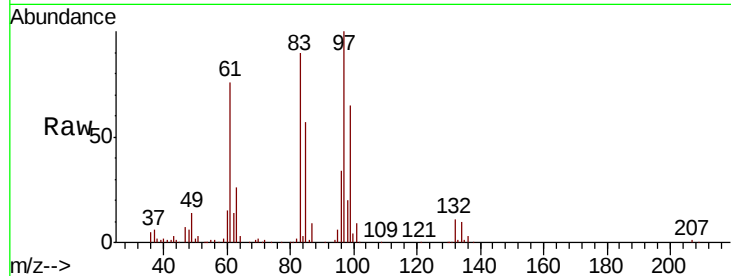




#55
 1,1,2-Trichloroethane
 Concen: 19.311 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

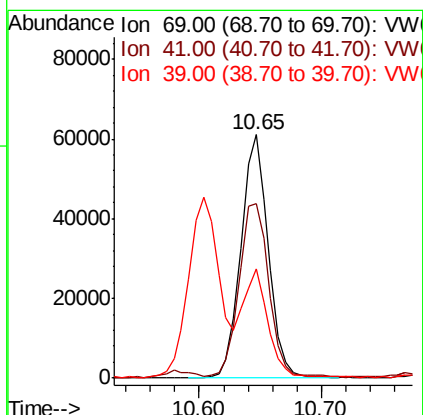
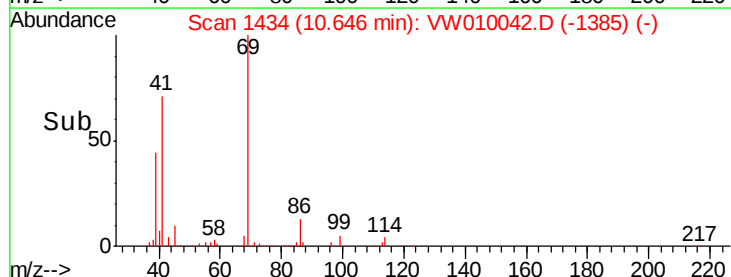
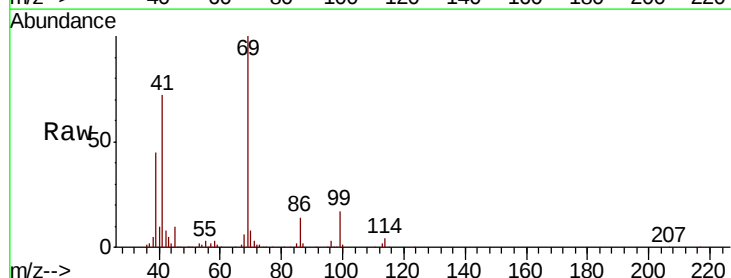
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

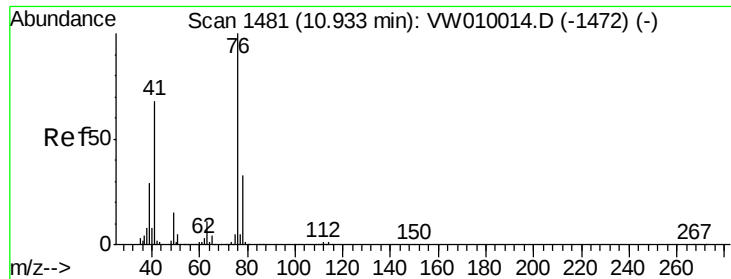
Tgt Ion:	97	Resp:	72896
Ion	Ratio	Lower	Upper
97	100		
83	89.6	68.9	103.3
85	57.3	42.9	64.3
99	64.8	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 19.628 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion:	69	Resp:	94005
Ion	Ratio	Lower	Upper
69	100		
41	78.5	61.0	91.6
39	40.0	33.8	50.6

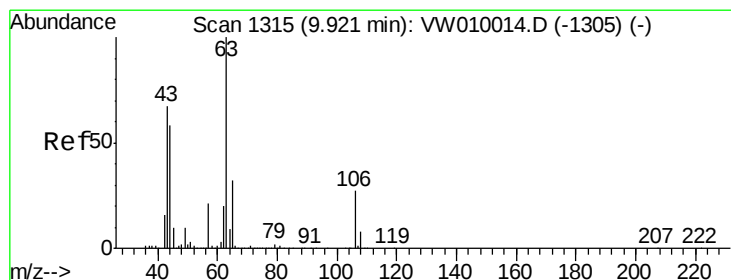
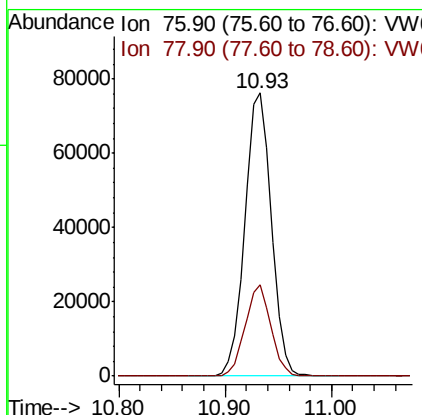
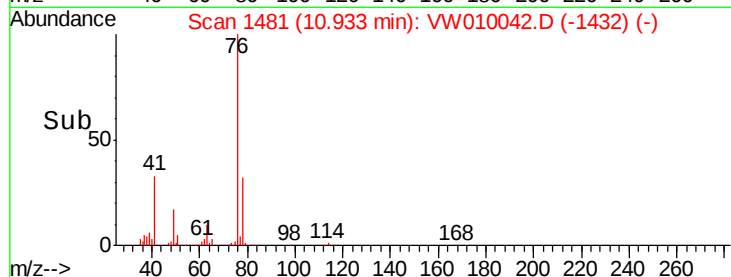
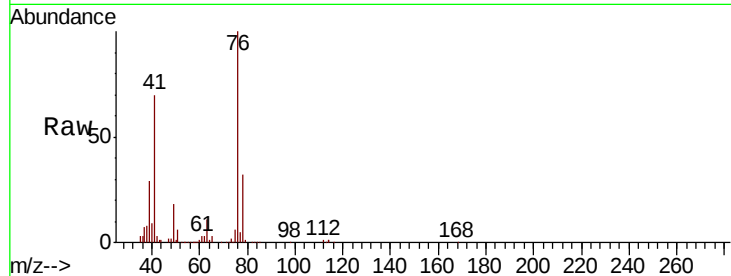




#57
 1,3-Dichloropropane
 Concen: 19.715 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

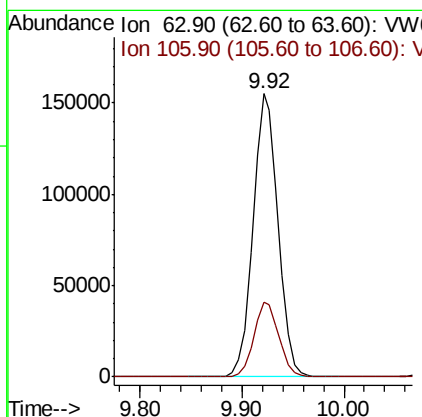
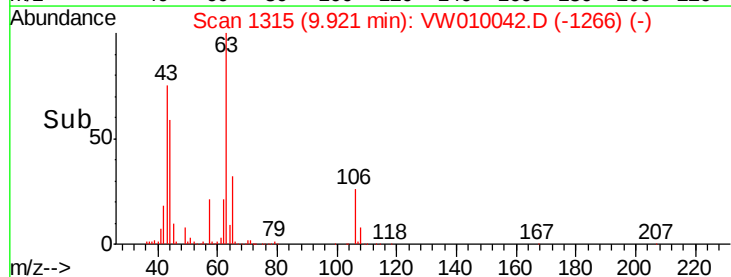
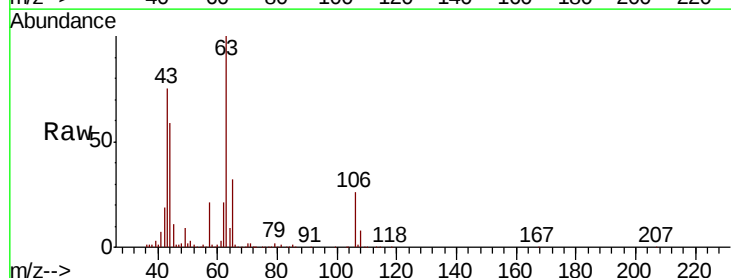
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

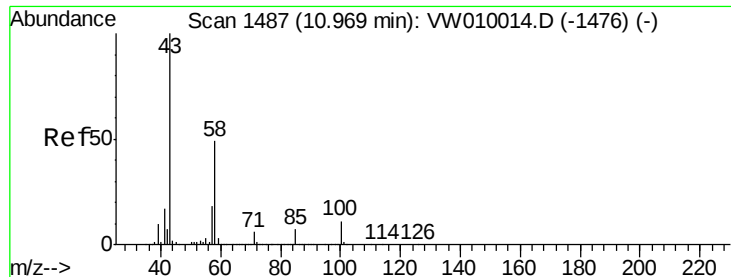
Tgt Ion: 76 Resp: 133390
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.418 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 63 Resp: 264851
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.4 32.0





#59

2-Hexanone

Concen: 101.733 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

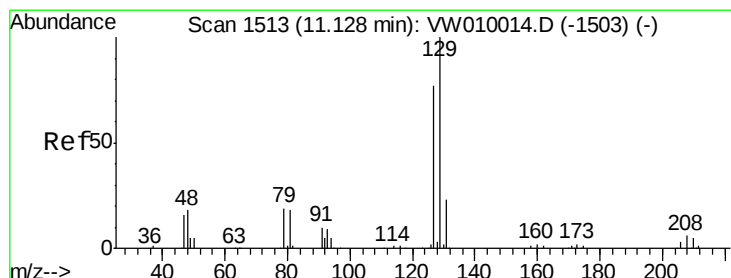
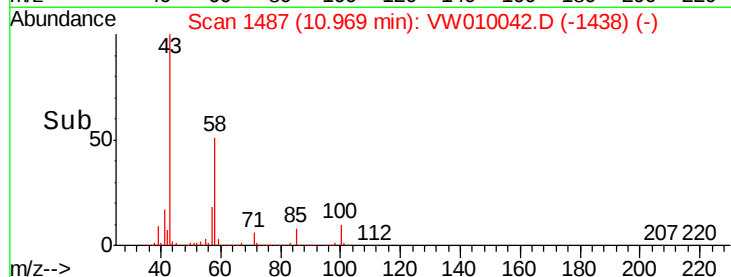
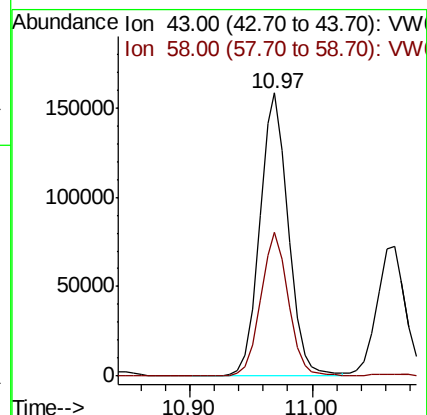
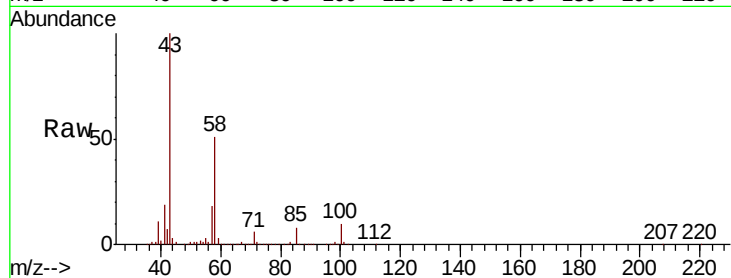
VW0418SBS01

Tgt Ion: 43 Resp: 256431

Ion Ratio Lower Upper

43 100

58 49.5 24.9 74.7



#60

Dibromochloromethane

Concen: 19.215 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010042.D

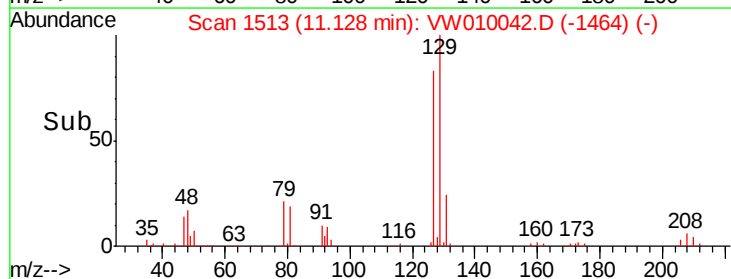
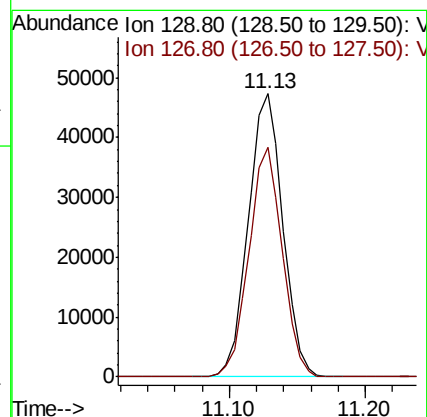
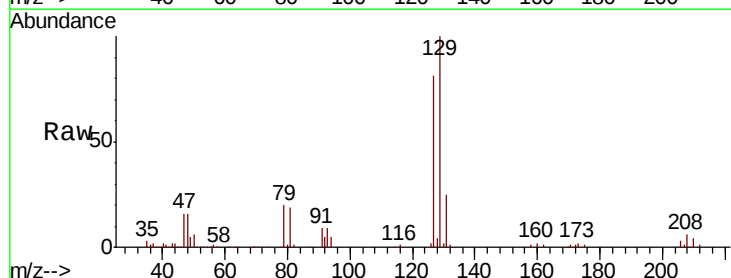
Acq: 18 Apr 2019 13:50

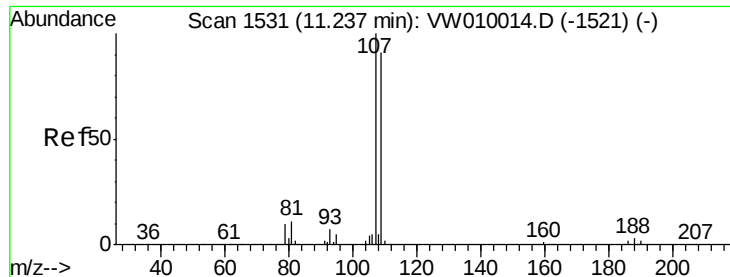
Tgt Ion: 129 Resp: 83836

Ion Ratio Lower Upper

129 100

127 78.4 38.6 116.0

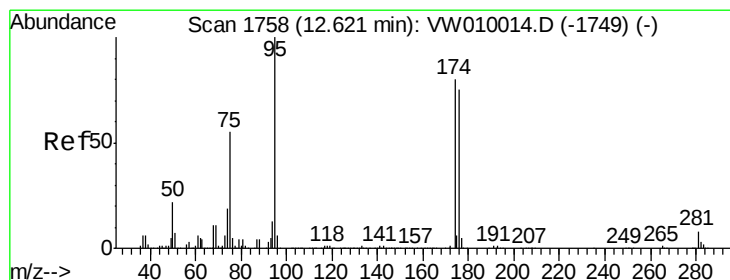
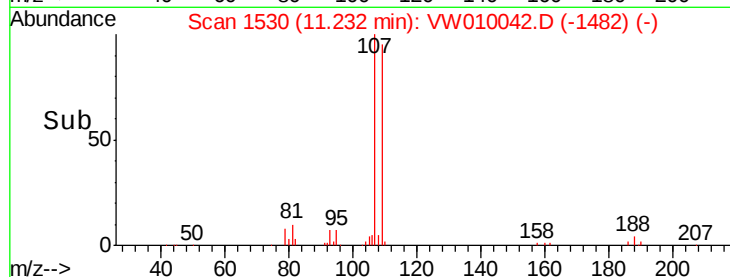
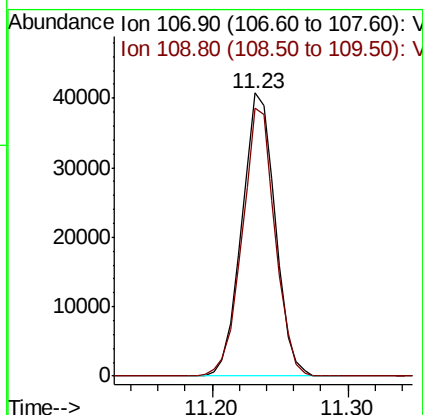
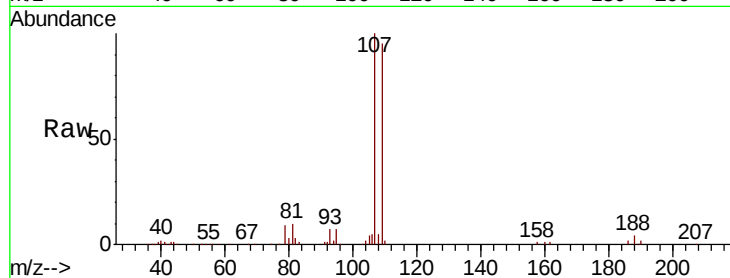




#61
 1,2-Dibromoethane
 Concen: 19.451 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

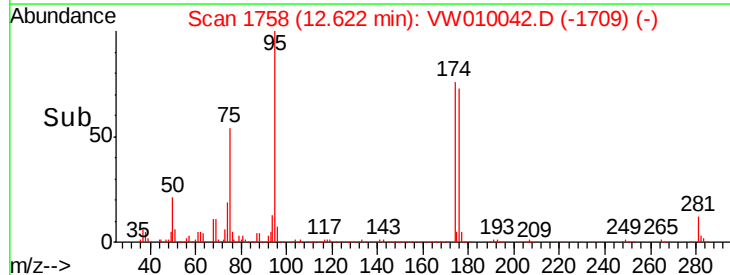
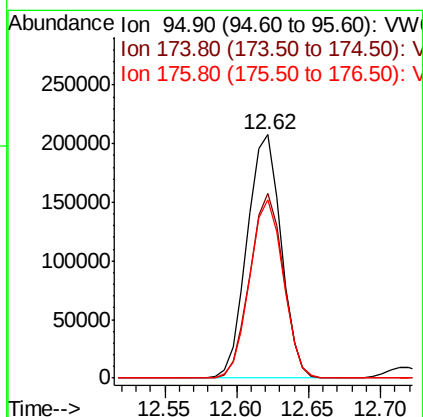
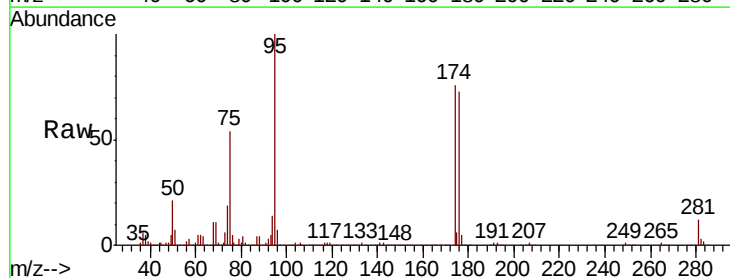
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

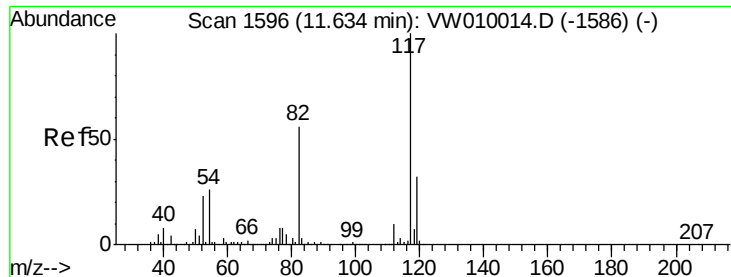
Tgt Ion: 107 Resp: 69848
 Ion Ratio Lower Upper
 107 100
 109 93.2 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 55.005 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 95 Resp: 338565
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 151.4
 176 72.6 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: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

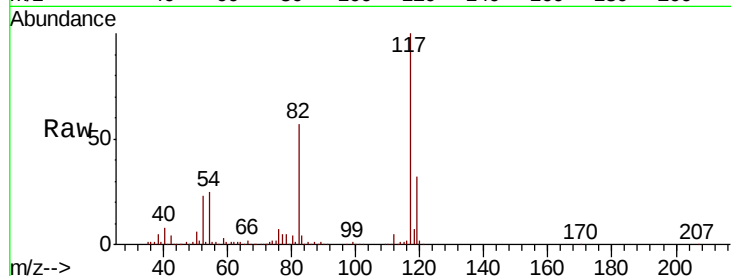
Tgt Ion:117 Resp: 648176

Ion Ratio Lower Upper

117 100

82 57.1 45.2 67.8

119 31.5 25.4 38.2

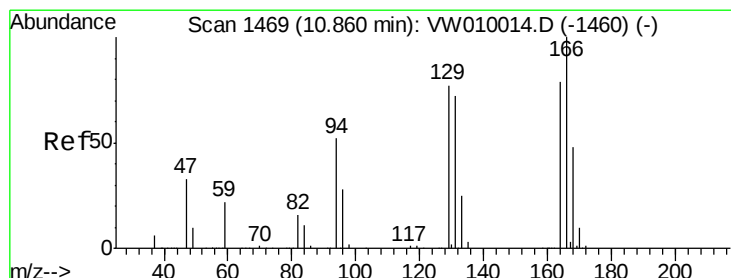
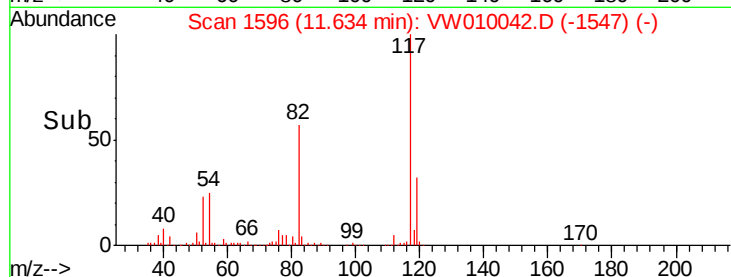
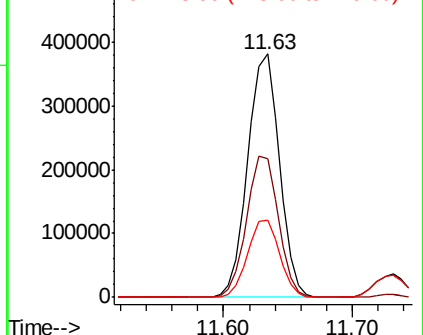


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.271 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion:164 Resp: 81086

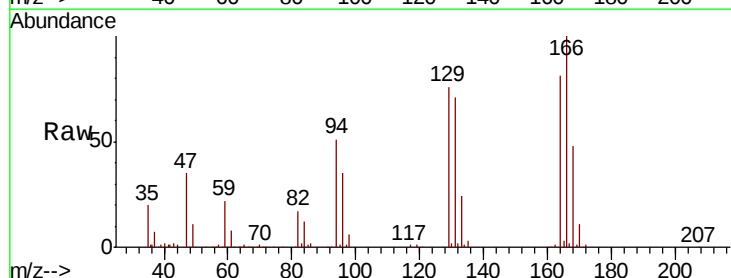
Ion Ratio Lower Upper

164 100

166 123.0 101.2 151.8

129 93.0 77.8 116.6

131 87.2 73.1 109.7



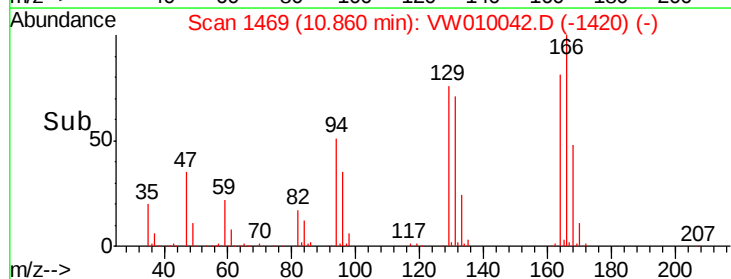
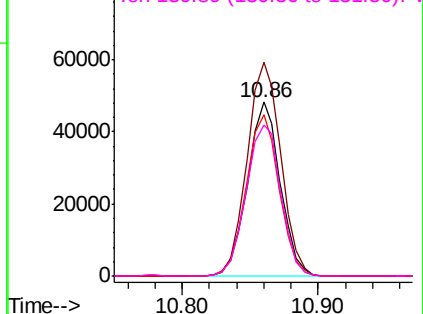
Abundance

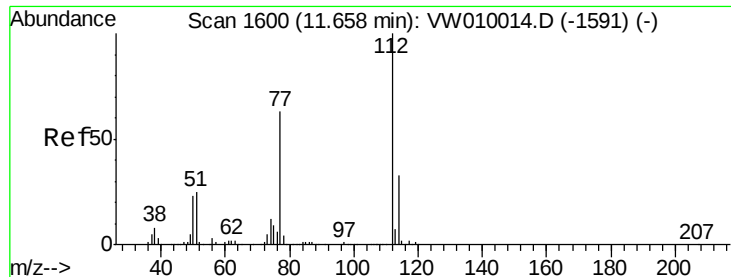
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

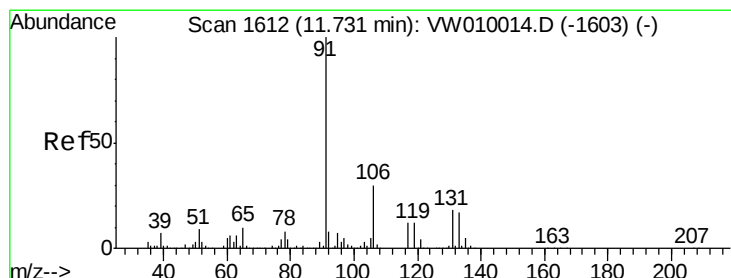
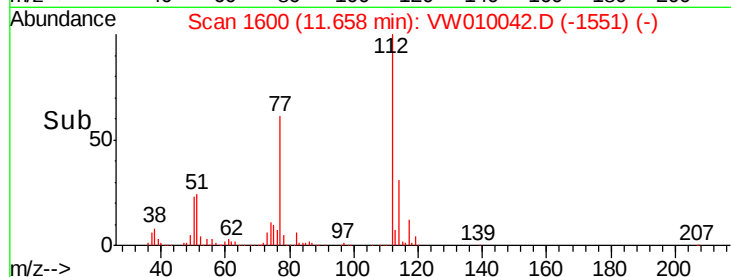
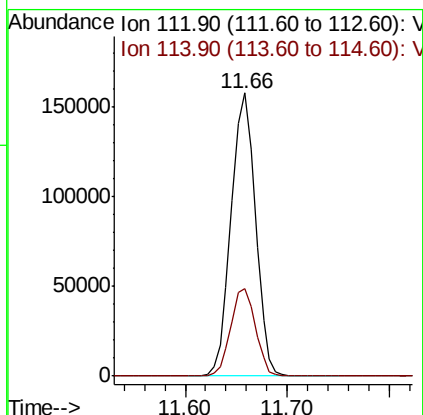
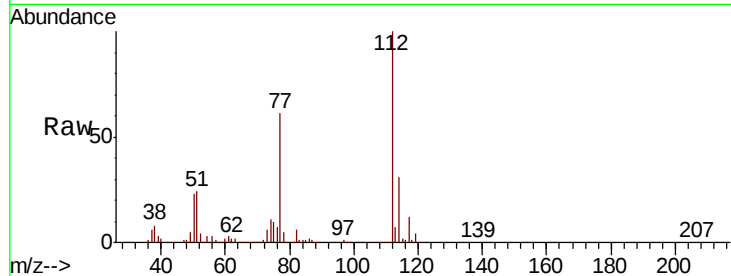




#65
Chlorobenzene
Concen: 19.661 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

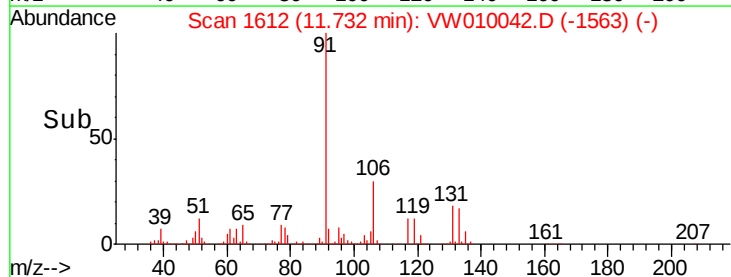
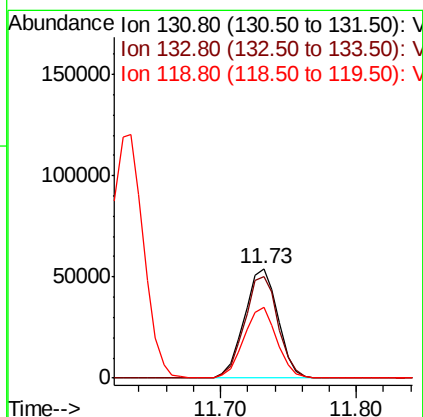
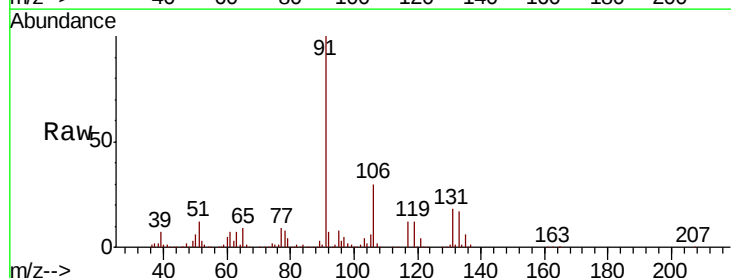
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

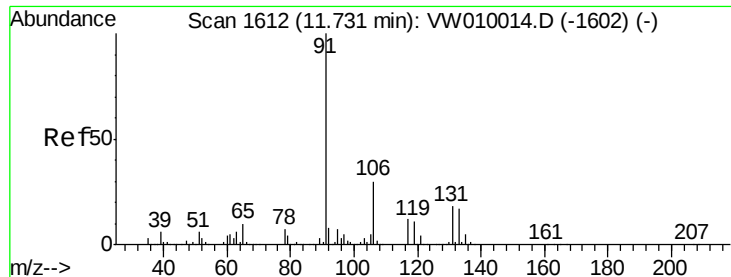
Tgt Ion:112 Resp: 260837
Ion Ratio Lower Upper
112 100
114 30.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.608 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion:131 Resp: 93022
Ion Ratio Lower Upper
131 100
133 92.8 46.5 139.5
119 63.2 31.9 95.5

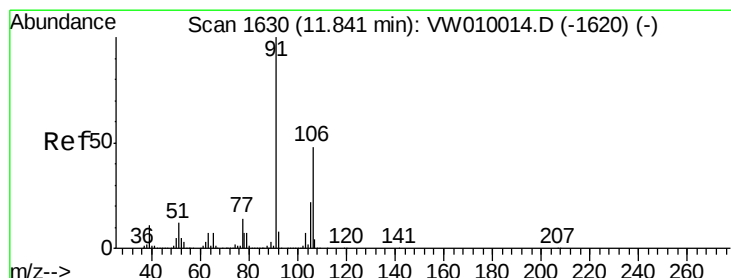
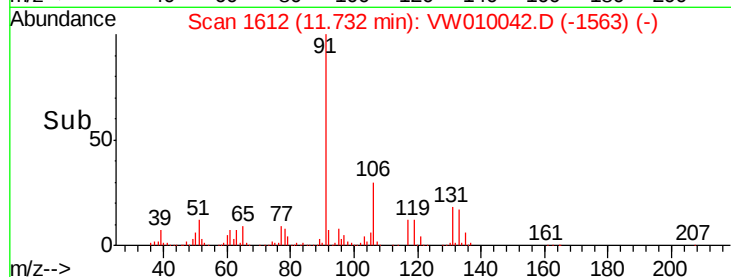
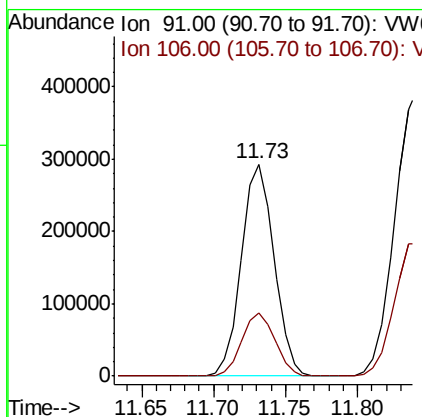
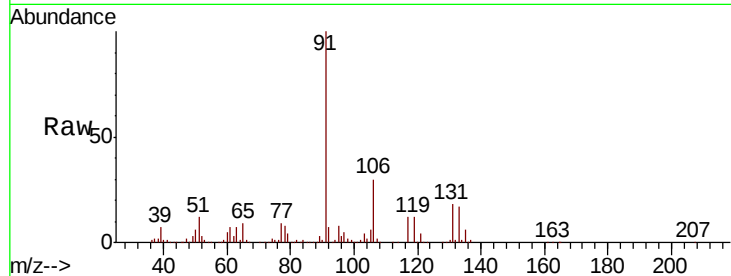




#67
Ethyl Benzene
Concen: 19.550 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

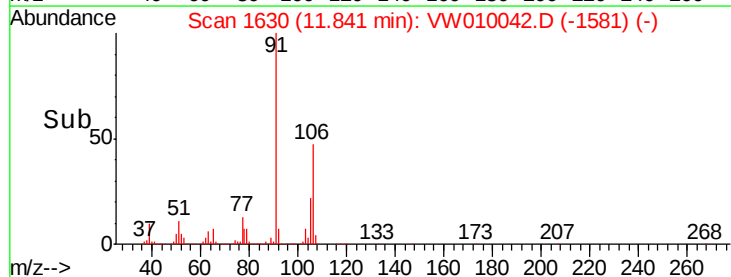
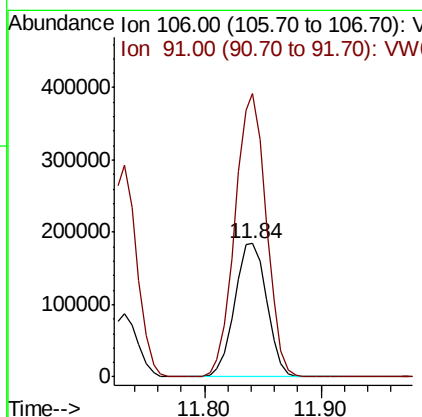
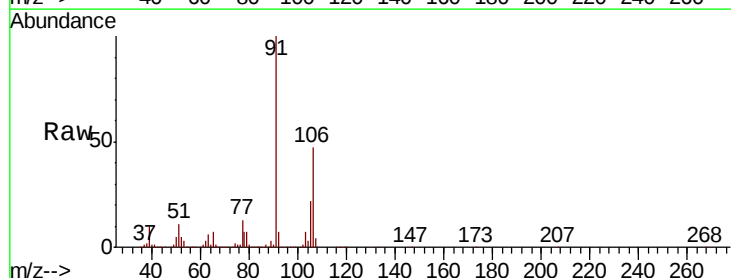
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBSD01

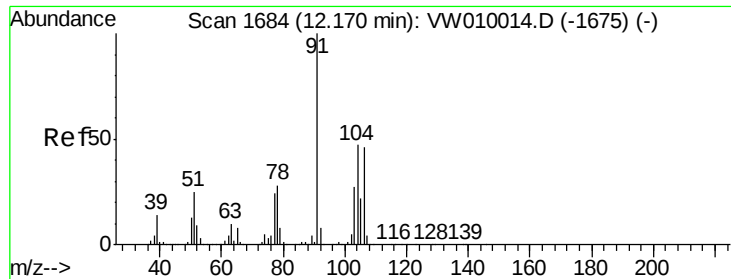
Tgt Ion: 91 Resp: 462739
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8



#68
m/p-Xylenes
Concen: 40.289 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 106 Resp: 356466
Ion Ratio Lower Upper
106 100
91 206.5 165.0 247.6

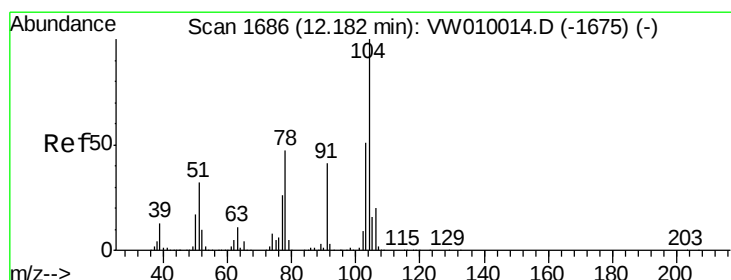
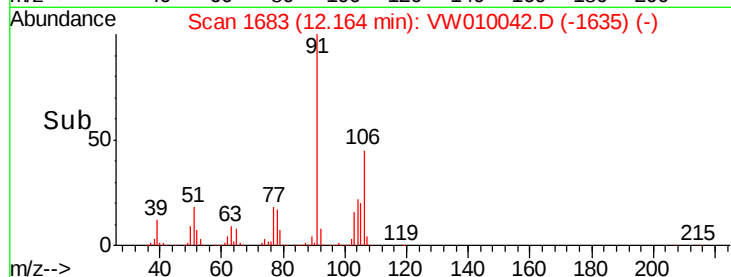
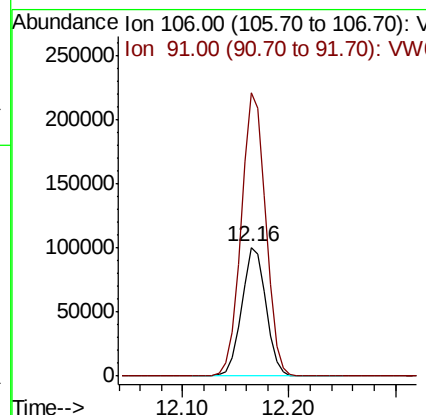
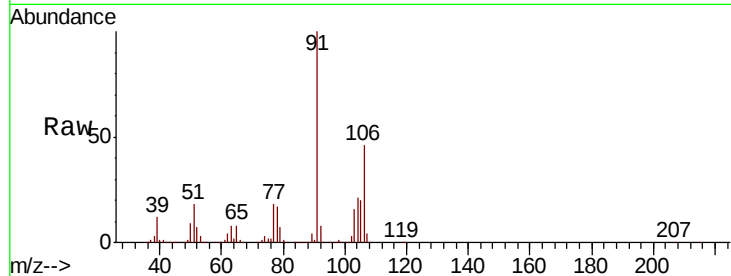




#69
o-Xylene
Concen: 19.939 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

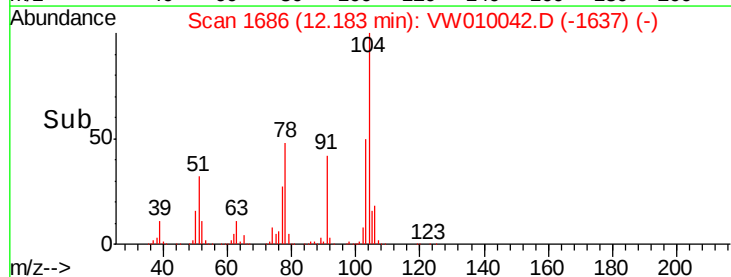
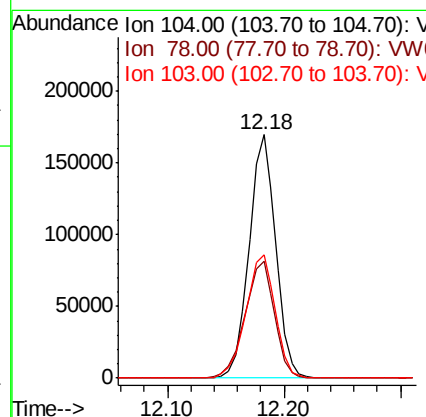
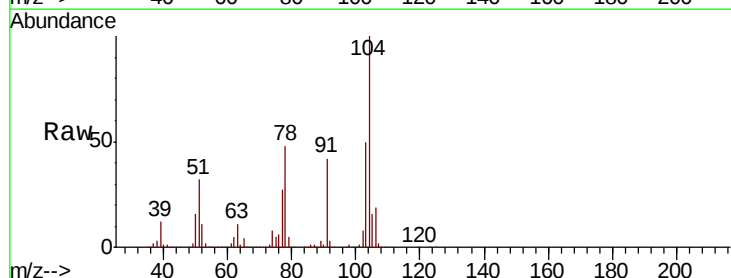
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBSD01

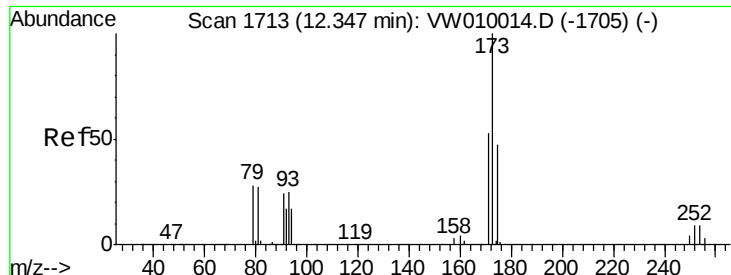
Tgt Ion:106 Resp: 160633
Ion Ratio Lower Upper
106 100
91 222.5 110.5 331.4



#70
Styrene
Concen: 19.490 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion:104 Resp: 270720
Ion Ratio Lower Upper
104 100
78 53.2 42.5 63.7
103 55.8 43.6 65.4





#71

Bromoform

Concen: 19.620 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

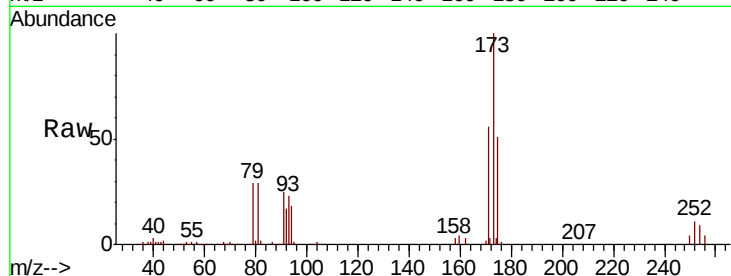
Tgt Ion:173 Resp: 49219

Ion Ratio Lower Upper

173 100

175 48.4 23.8 71.4

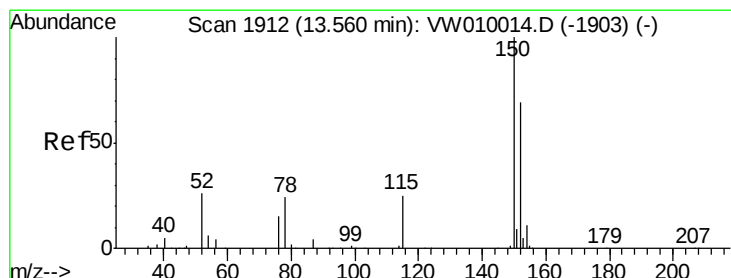
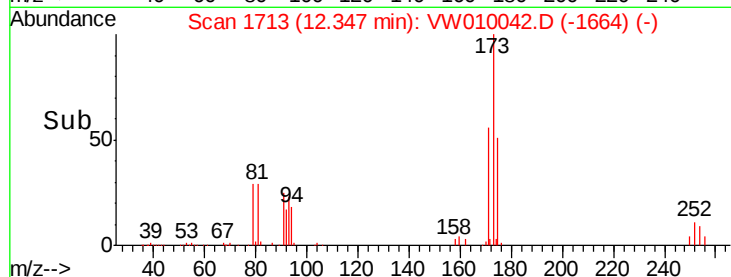
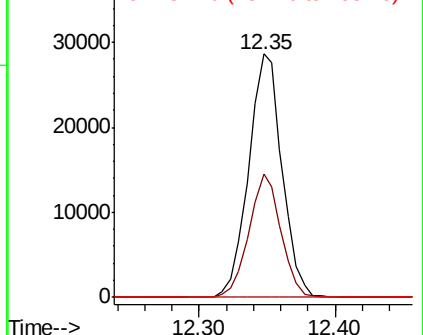
254 0.0 0.1 0.1#



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: VW010042.D

Acq: 18 Apr 2019 13:50

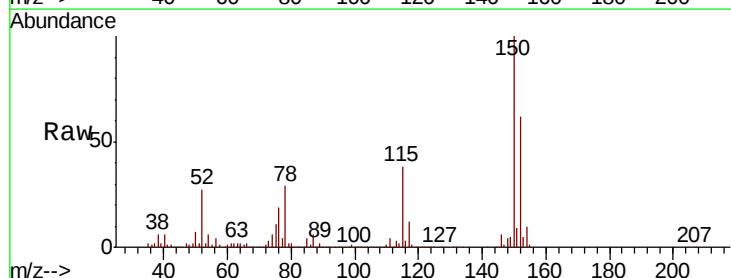
Tgt Ion:152 Resp: 330432

Ion Ratio Lower Upper

152 100

115 59.9 30.4 91.2

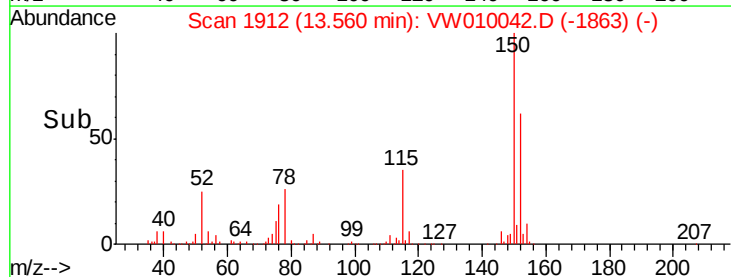
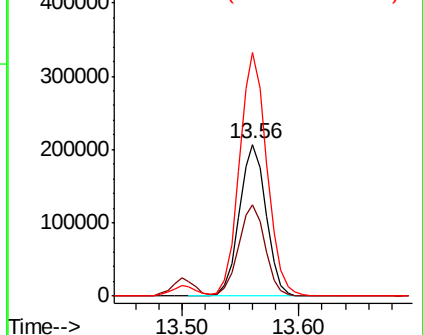
150 164.9 0.0 347.0

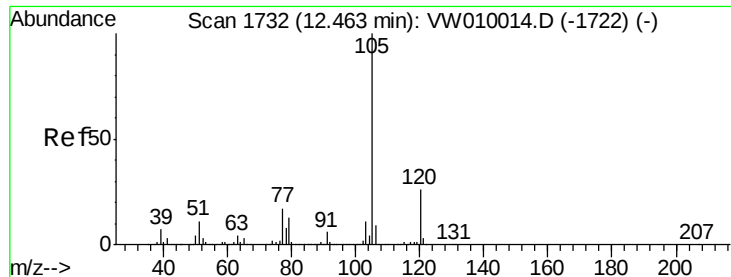


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.742 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

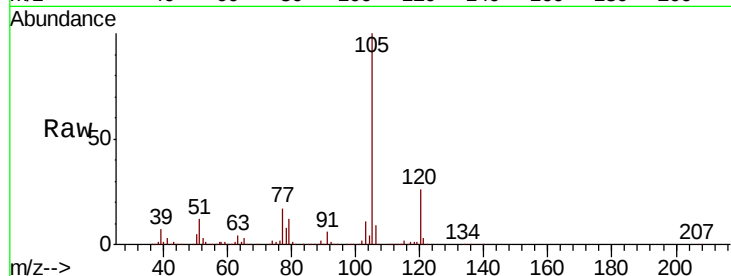
VW0418SBS01

Tgt Ion: 105 Resp: 454004

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

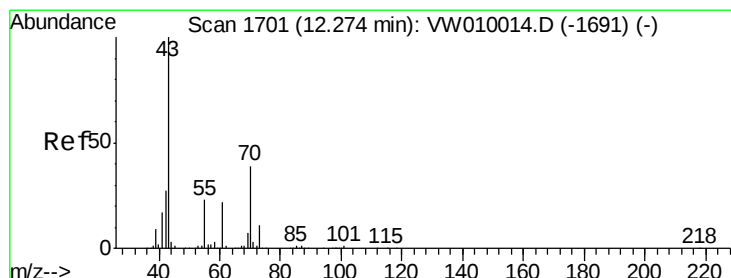
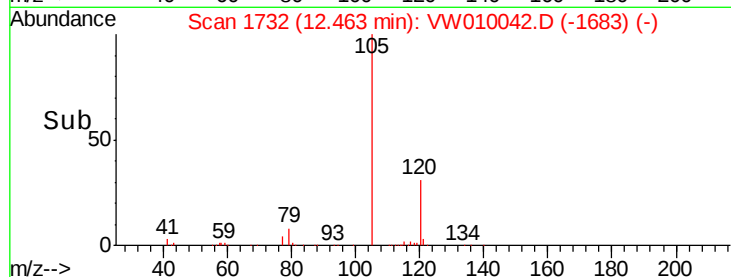
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.143 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion: 43 Resp: 128281

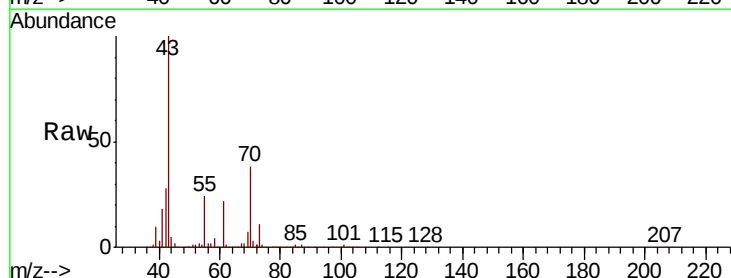
Ion Ratio Lower Upper

43 100

70 37.9 31.3 46.9

55 23.9 20.0 30.0

61 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

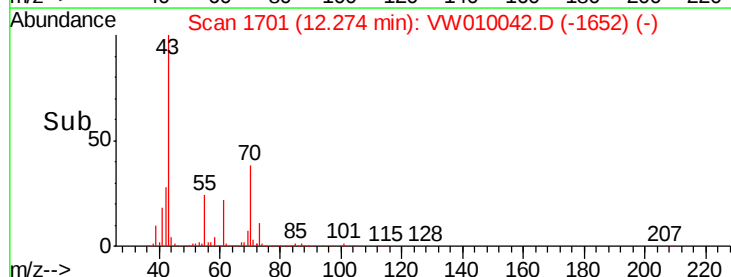
12.27

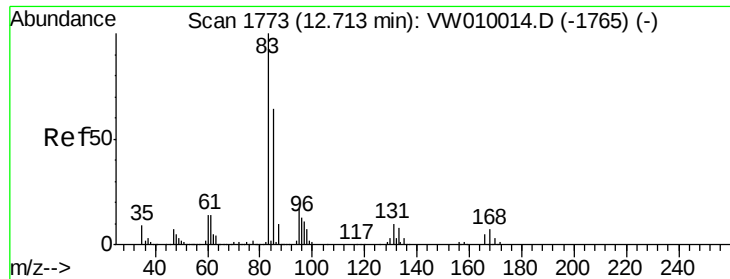
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.988 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

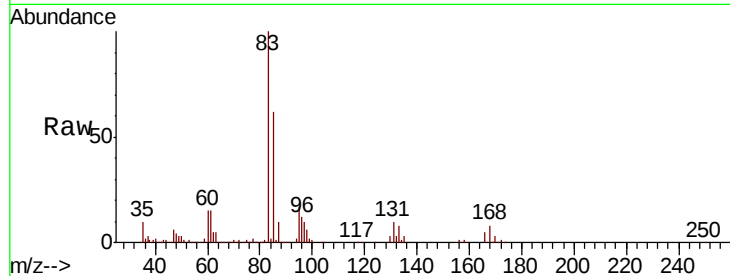
Tgt Ion: 83 Resp: 90815

Ion Ratio Lower Upper

83 100

131 11.0 5.3 15.8

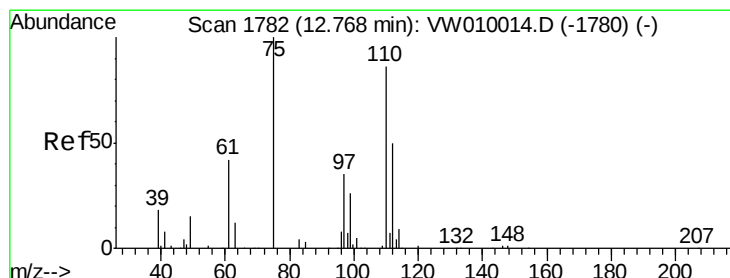
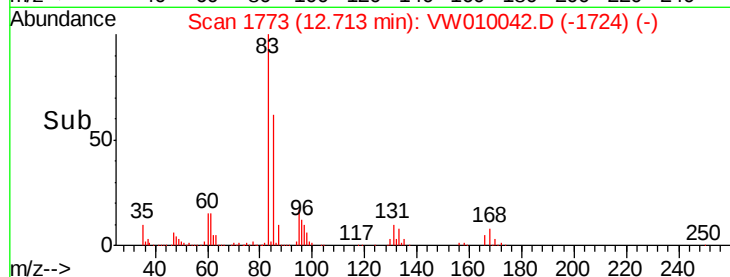
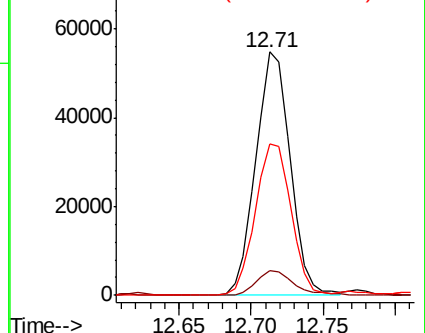
85 64.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.715 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010042.D

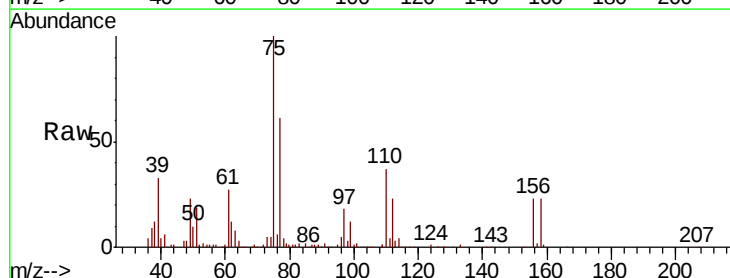
Acq: 18 Apr 2019 13:50

Tgt Ion: 75 Resp: 121420

Ion Ratio Lower Upper

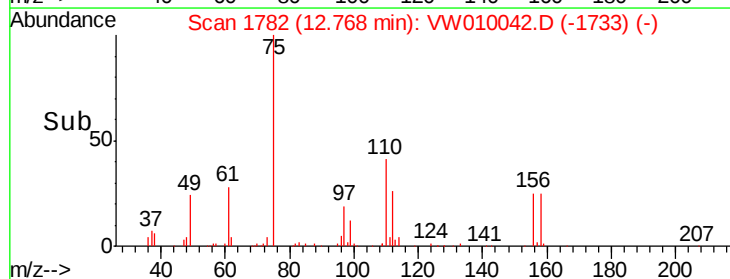
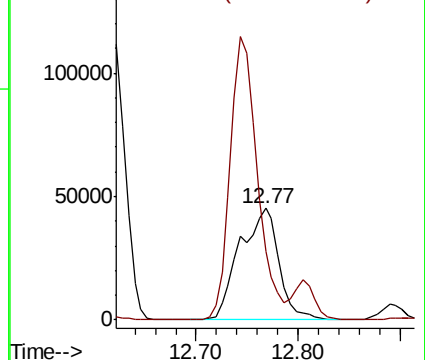
75 100

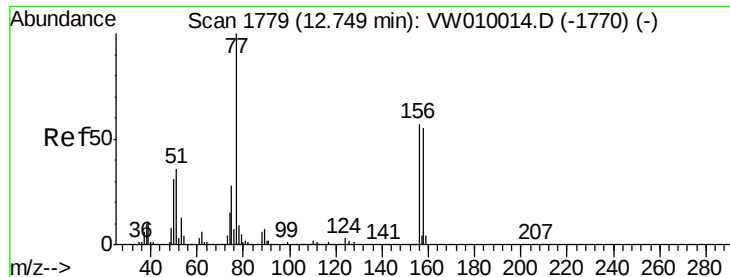
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.511 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

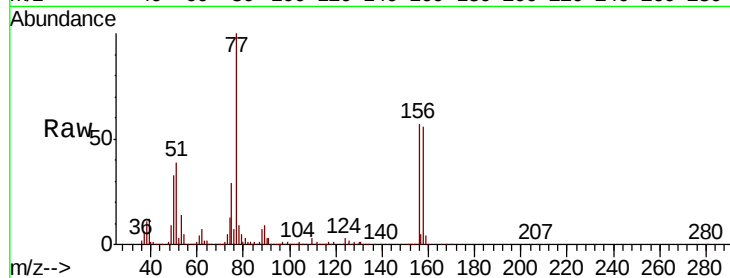
Tgt Ion:156 Resp: 103195

Ion Ratio Lower Upper

156 100

77 206.0 102.5 307.4

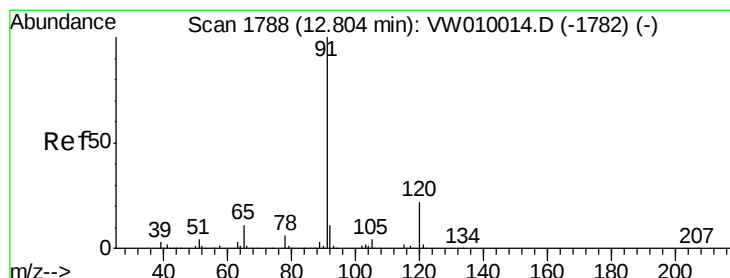
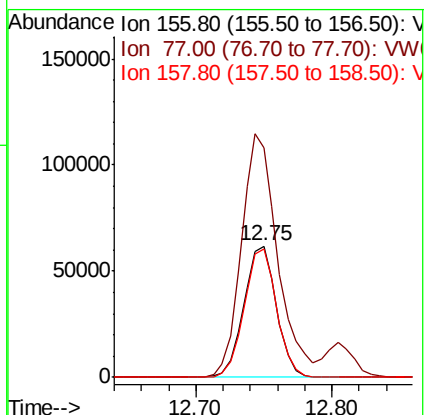
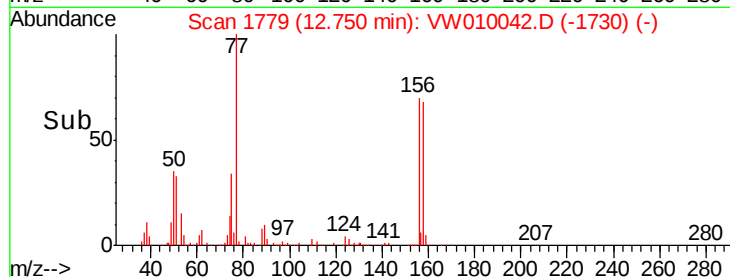
158 97.5 48.8 146.4



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: 20.285 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010042.D

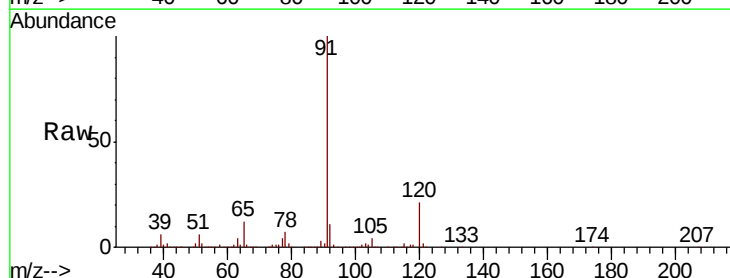
Acq: 18 Apr 2019 13:50

Tgt Ion: 91 Resp: 578181

Ion Ratio Lower Upper

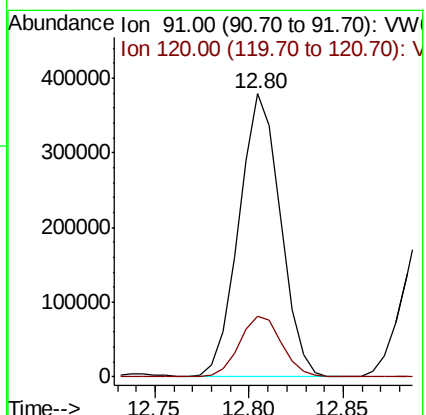
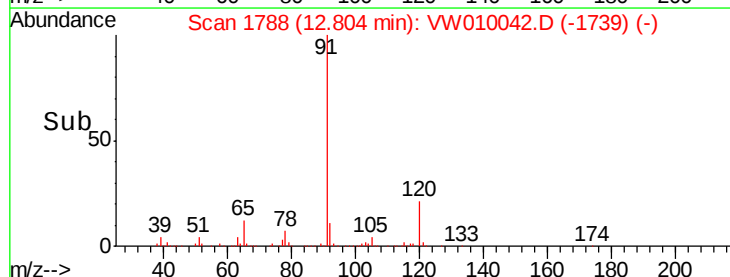
91 100

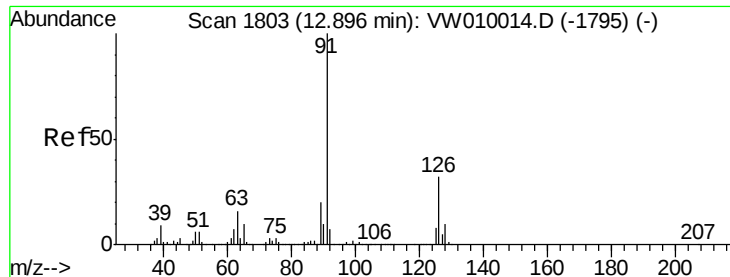
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.939 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

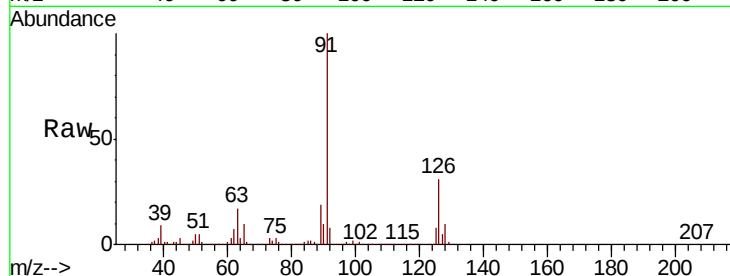
VW0418SBSD01

Tgt Ion: 91 Resp: 326848

Ion Ratio Lower Upper

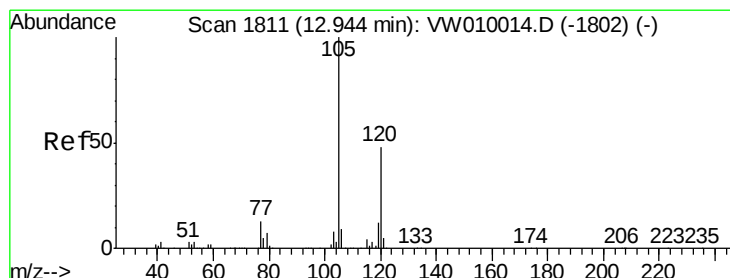
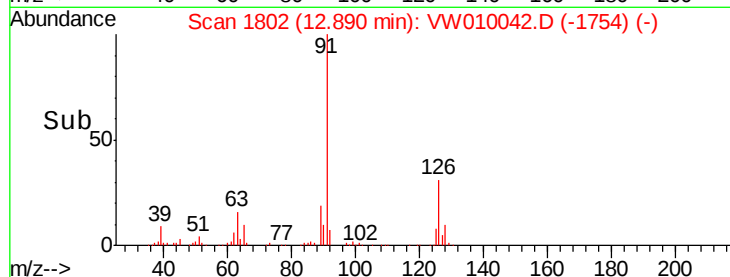
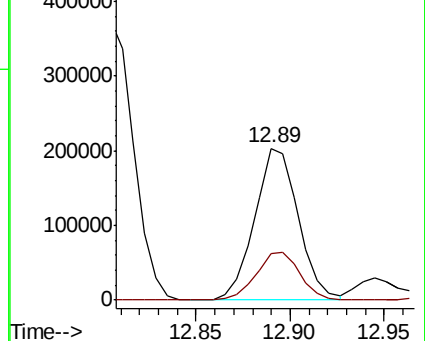
91 100

126 31.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.663 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010042.D

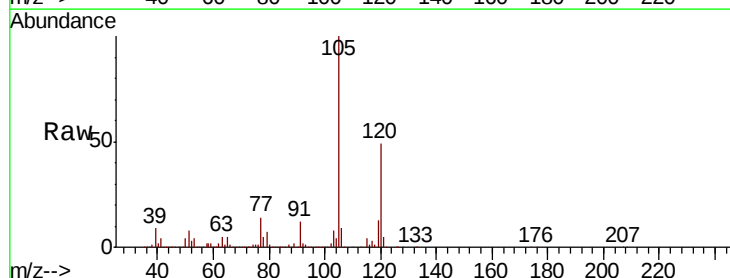
Acq: 18 Apr 2019 13:50

Tgt Ion: 105 Resp: 383411

Ion Ratio Lower Upper

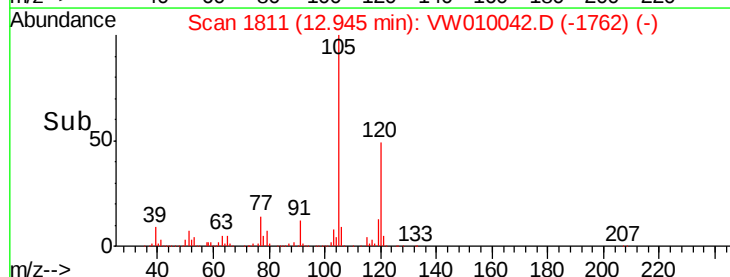
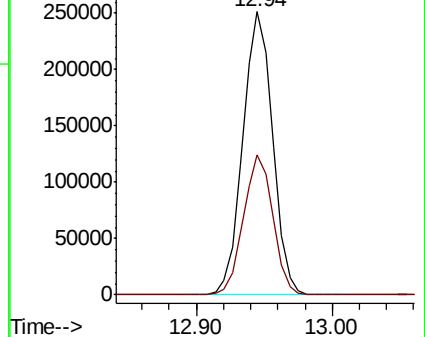
105 100

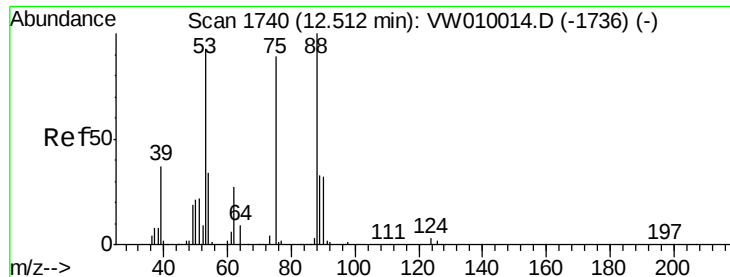
120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.896 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

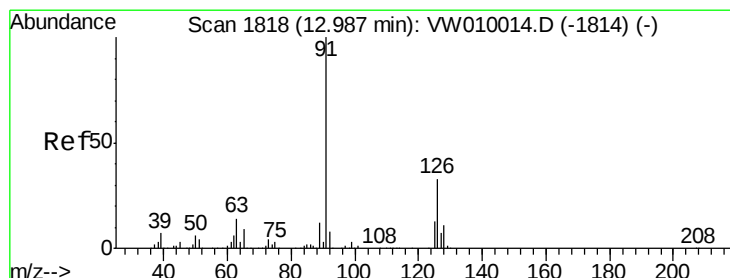
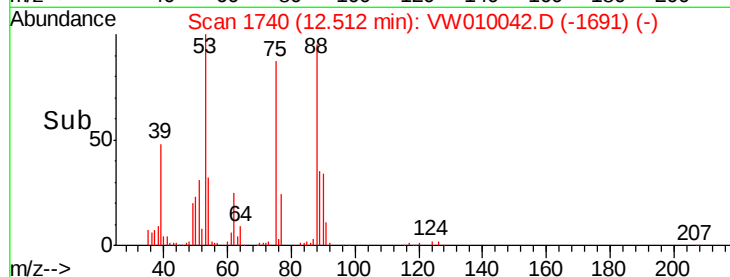
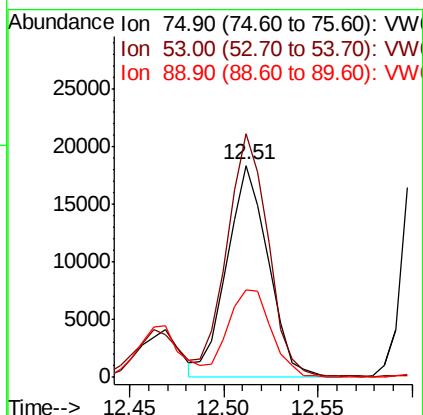
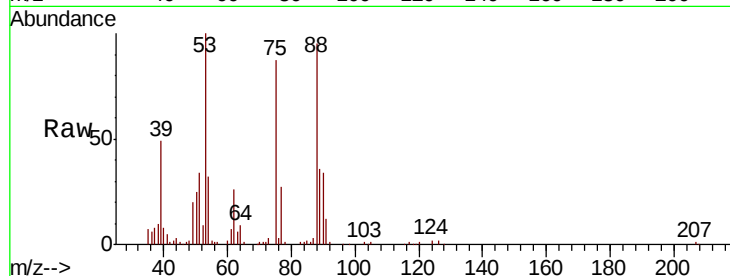
Tgt Ion: 75 Resp: 27905

Ion Ratio Lower Upper

75 100

53 115.8 89.8 134.8

89 44.1 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.006 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW010042.D

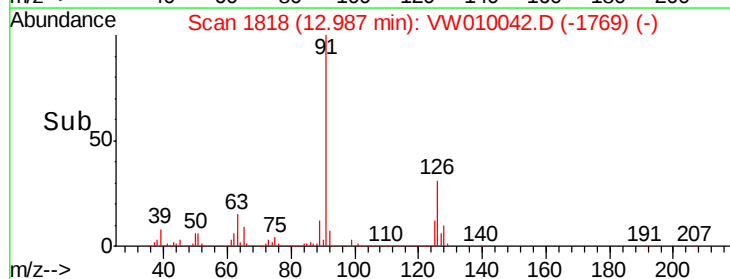
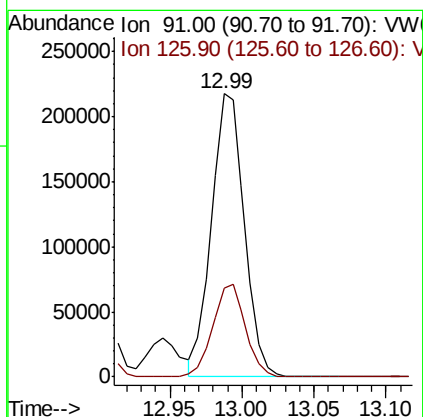
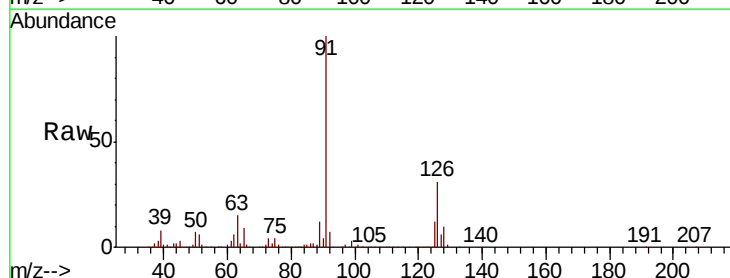
Acq: 18 Apr 2019 13:50

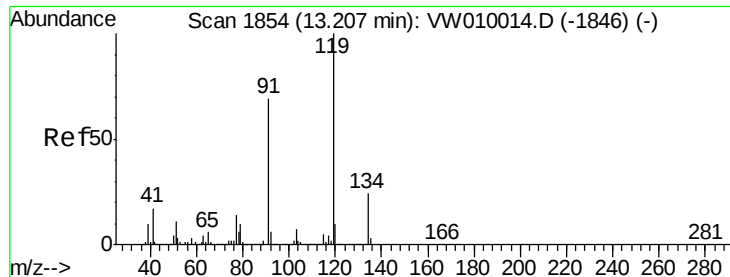
Tgt Ion: 91 Resp: 345145

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1





#83

tert-Butylbenzene

Concen: 19.866 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

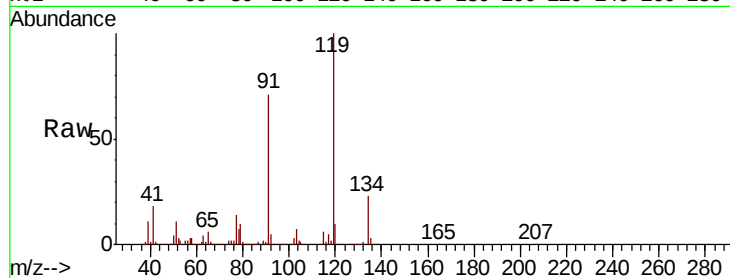
Tgt Ion:119 Resp: 320788

Ion Ratio Lower Upper

119 100

91 70.6 34.8 104.4

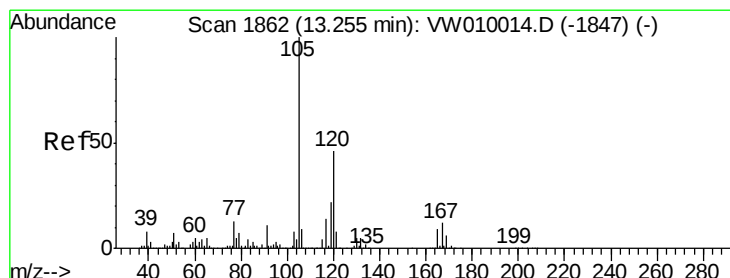
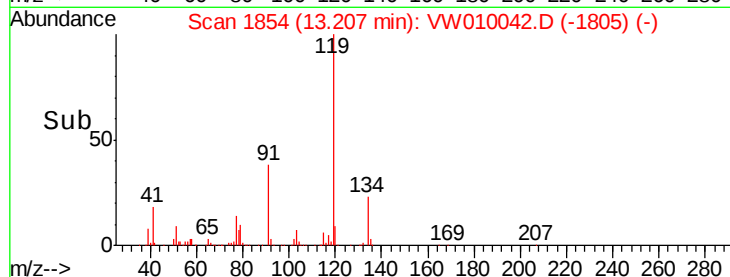
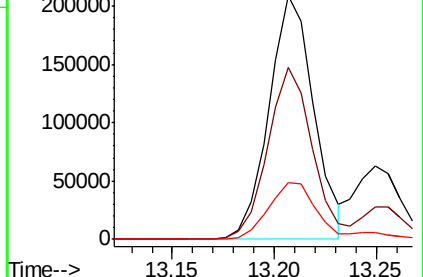
134 24.9 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.227 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010042.D

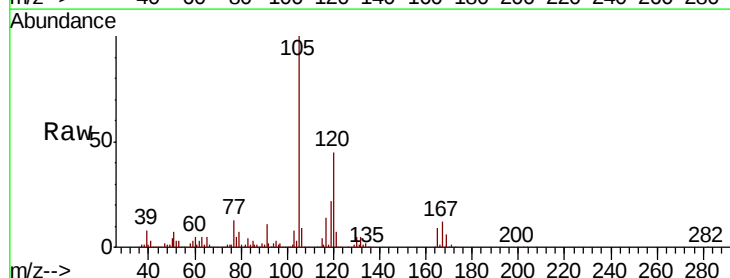
Acq: 18 Apr 2019 13:50

Tgt Ion:105 Resp: 399870

Ion Ratio Lower Upper

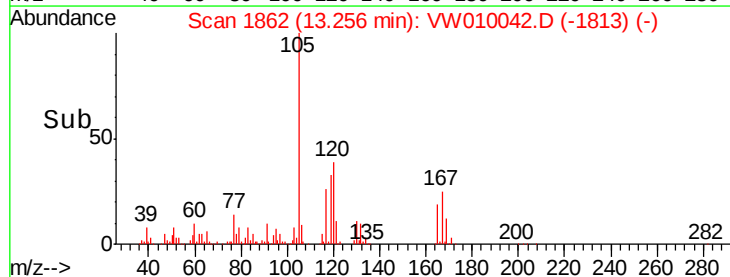
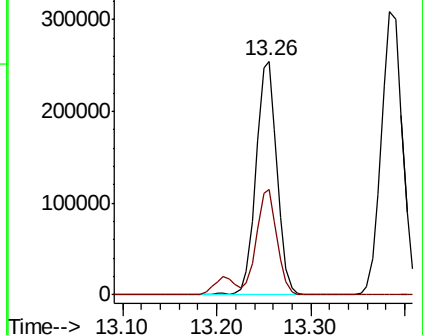
105 100

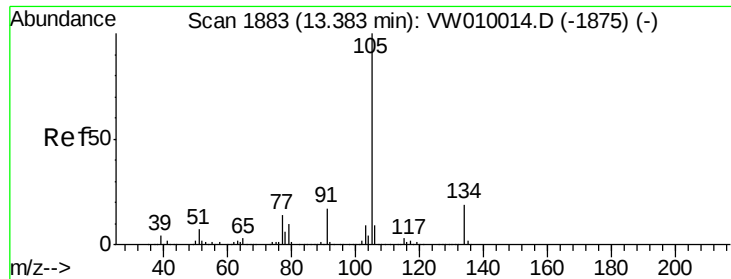
120 44.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.971 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

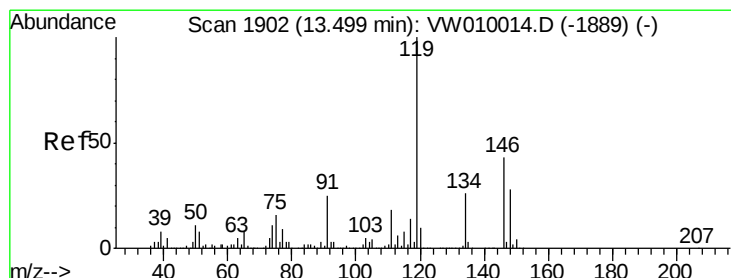
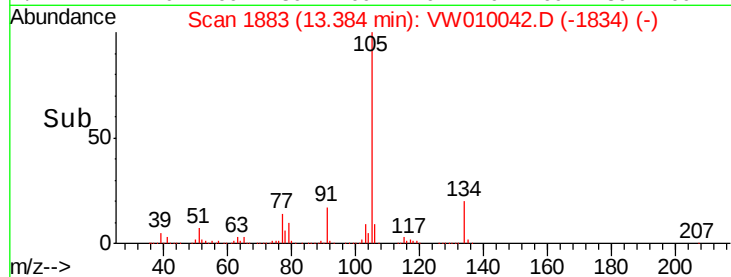
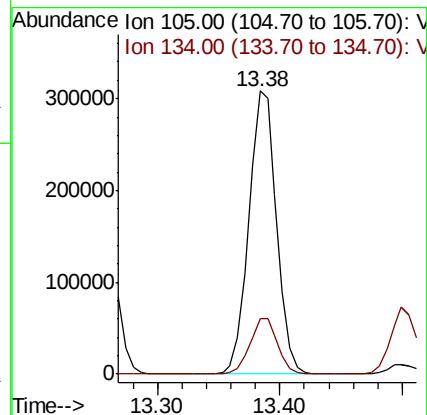
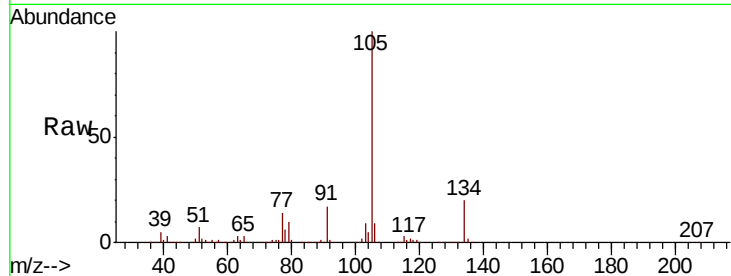
VW0418SBS01

Tgt Ion:105 Resp: 481917

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 19.799 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

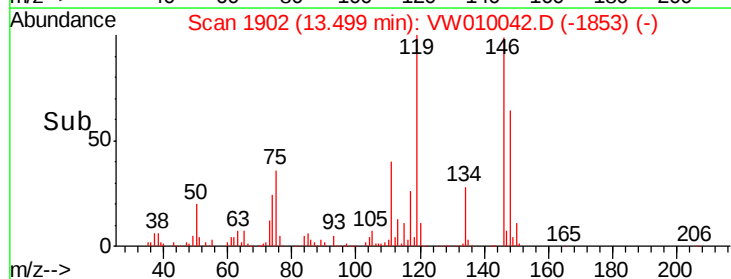
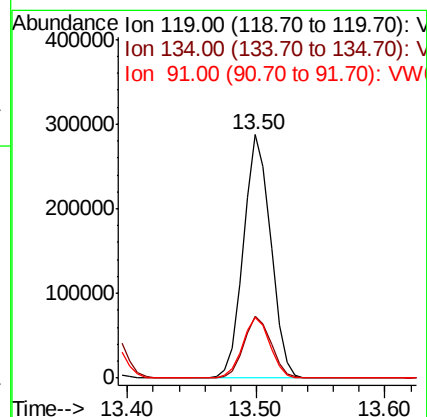
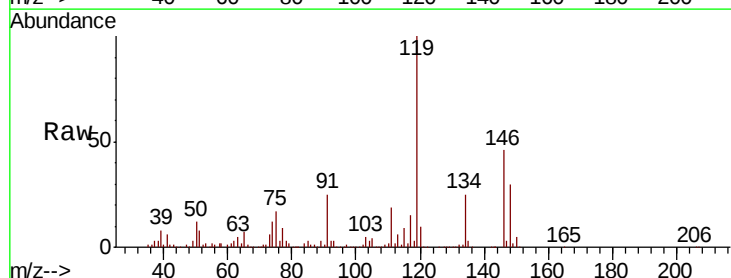
Tgt Ion:119 Resp: 421101

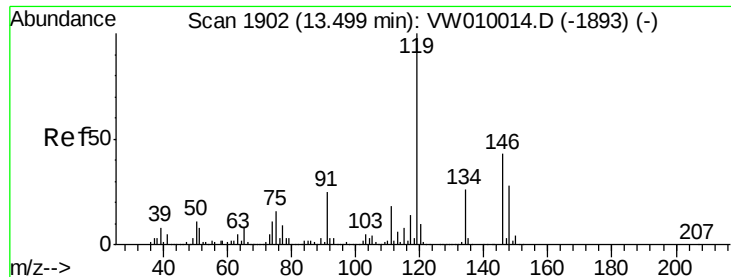
Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 24.9 12.3 36.9

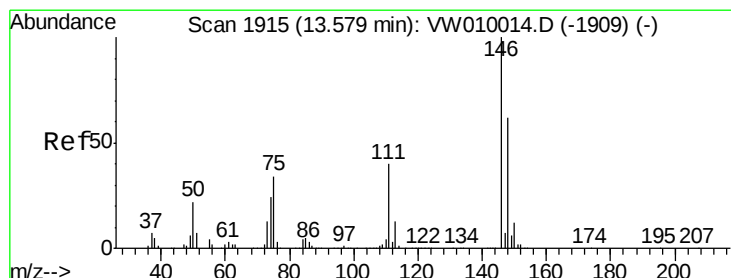
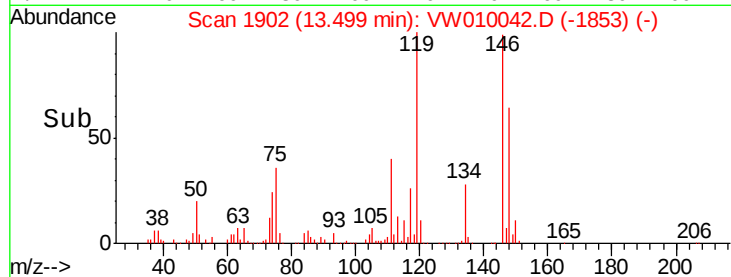
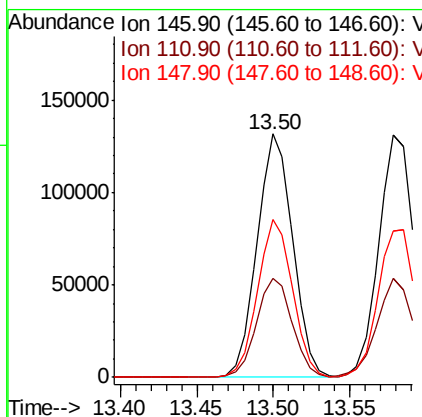
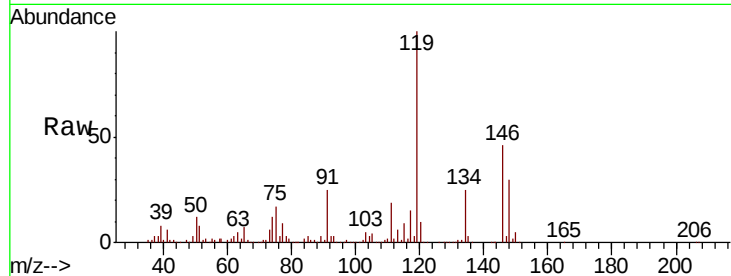




#87
 1,3-Dichlorobenzene
 Concen: 19.974 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

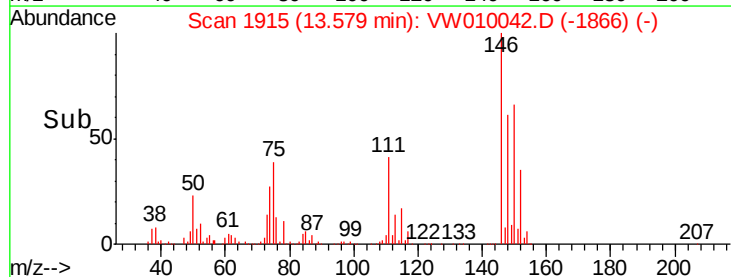
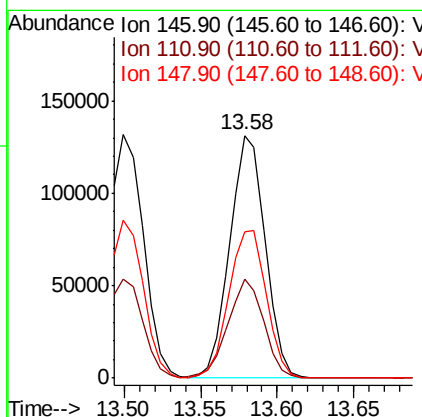
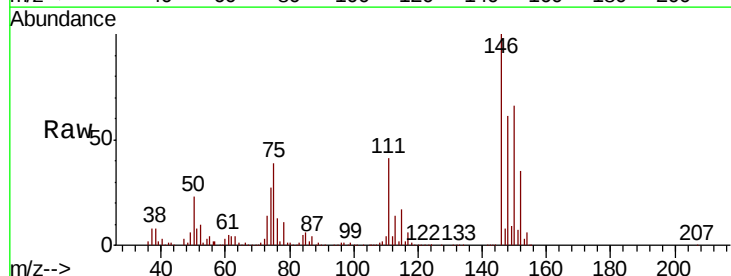
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

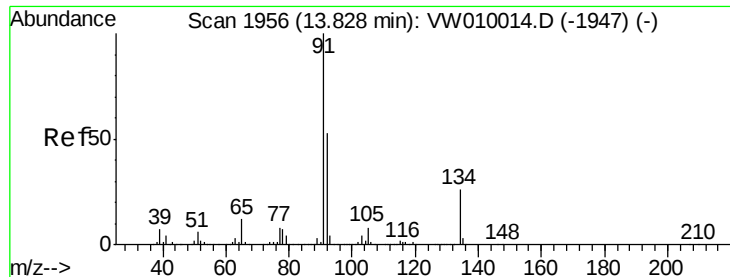
Tgt Ion:146 Resp: 213551
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 61.0
 148 63.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.742 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion:146 Resp: 210687
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.1 60.3
 148 64.2 31.8 95.3





#89

n-Butylbenzene

Concen: 19.750 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

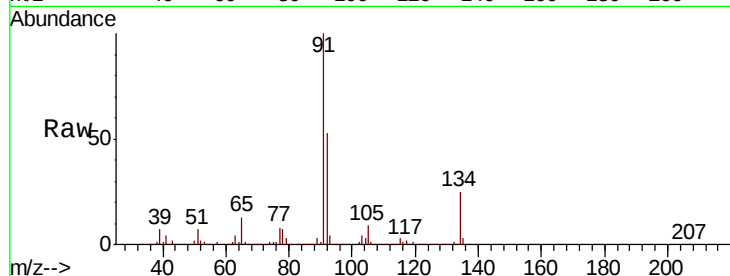
Tgt Ion: 91 Resp: 416166

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

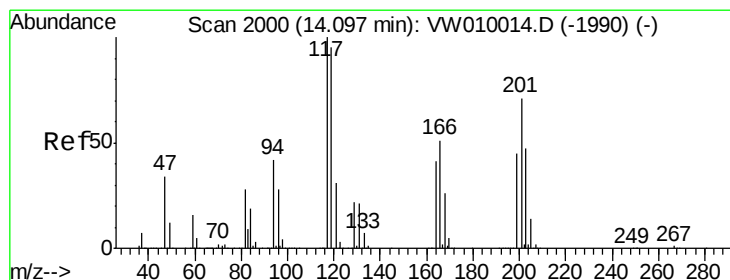
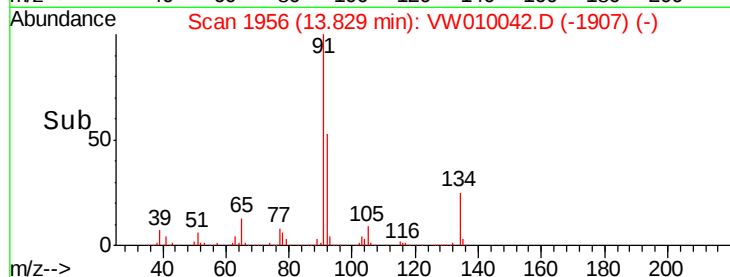
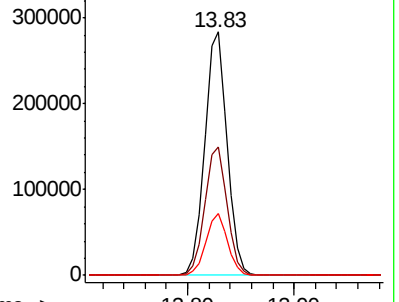
134 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 19.380 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010042.D

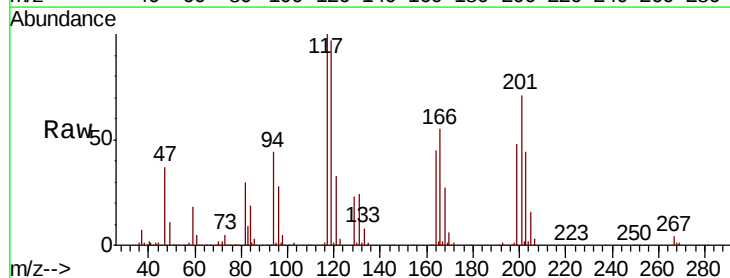
Acq: 18 Apr 2019 13:50

Tgt Ion: 117 Resp: 78948

Ion Ratio Lower Upper

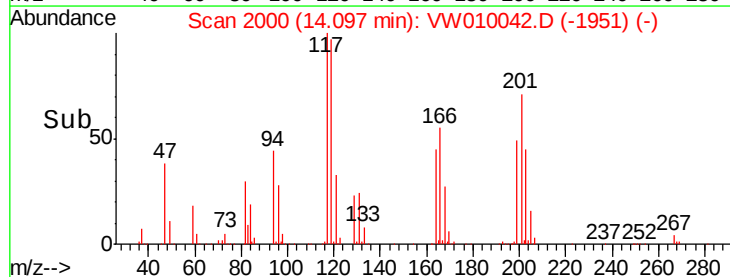
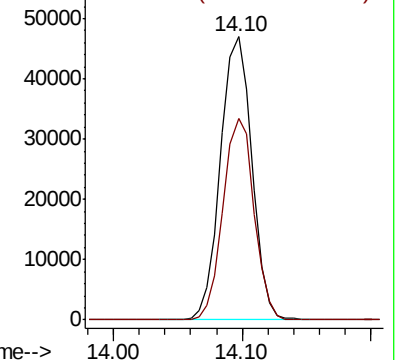
117 100

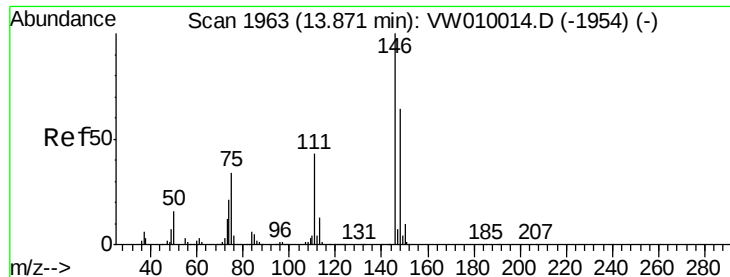
201 70.2 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.133 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

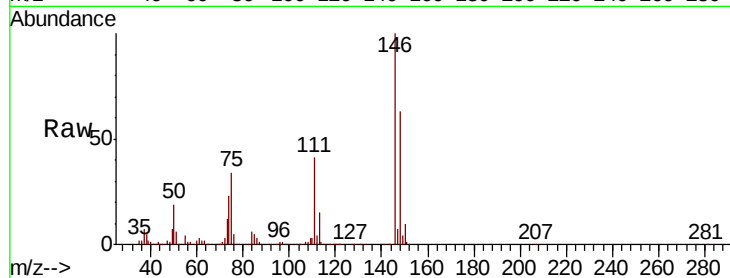
Tgt Ion:146 Resp: 193004

Ion Ratio Lower Upper

146 100

111 41.7 20.9 62.8

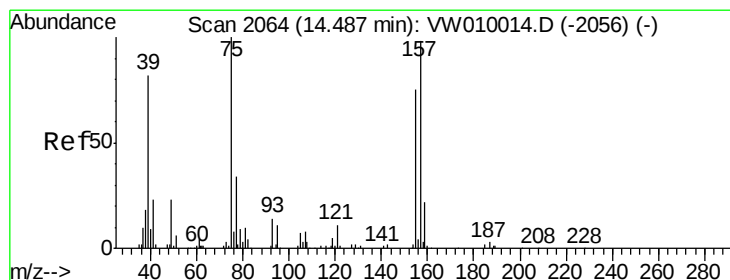
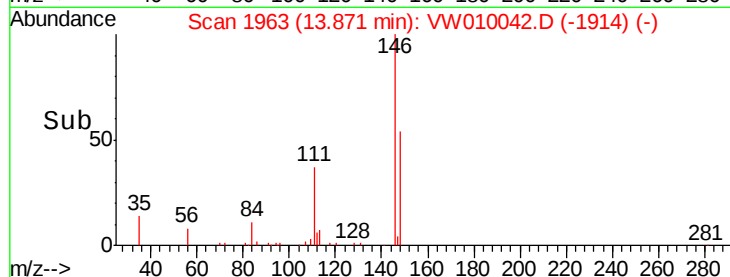
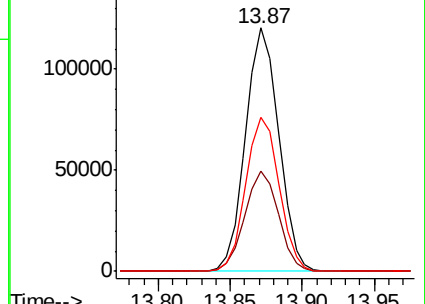
148 63.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.973 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

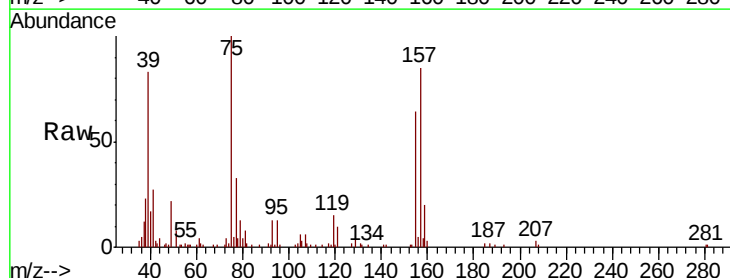
Tgt Ion: 75 Resp: 16240

Ion Ratio Lower Upper

75 100

155 70.1 37.1 111.5

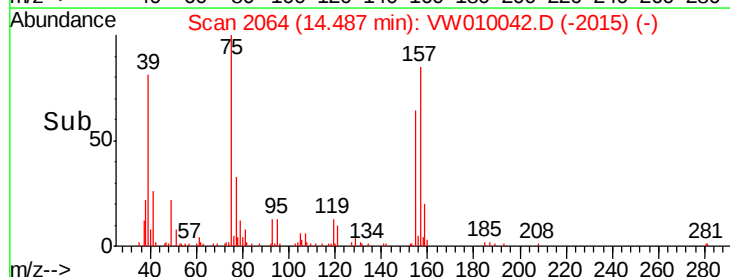
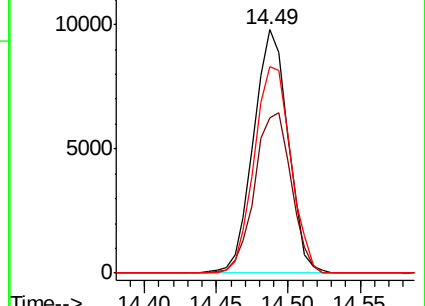
157 89.5 47.3 141.9

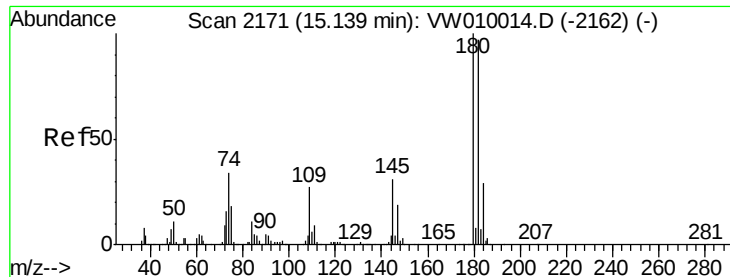


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

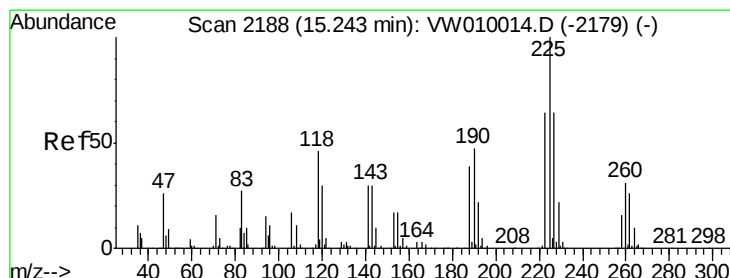
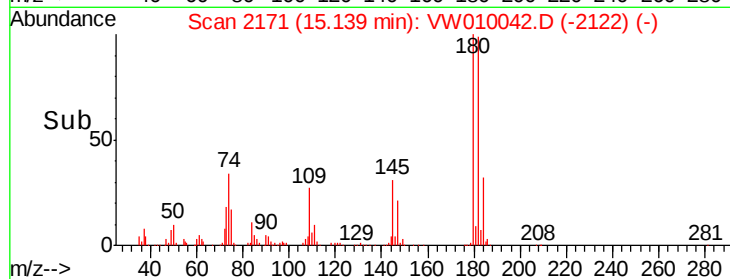
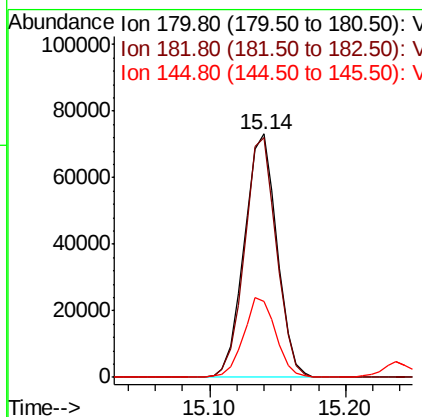
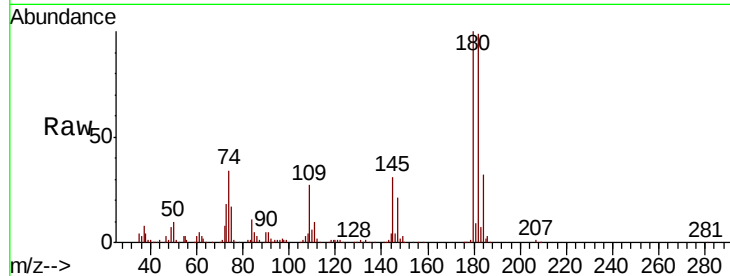




#93
 1,2,4-Trichlorobenzene
 Concen: 19.423 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

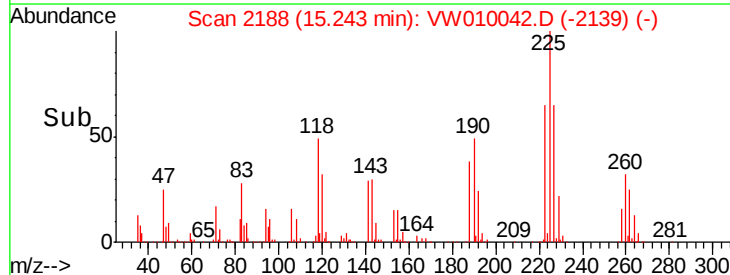
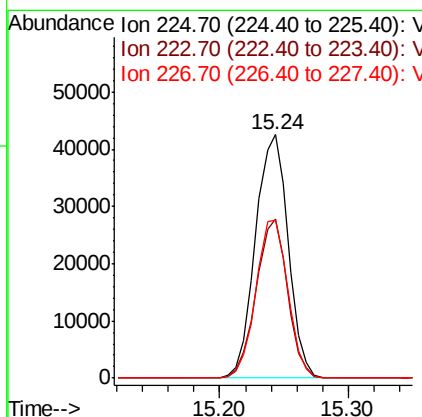
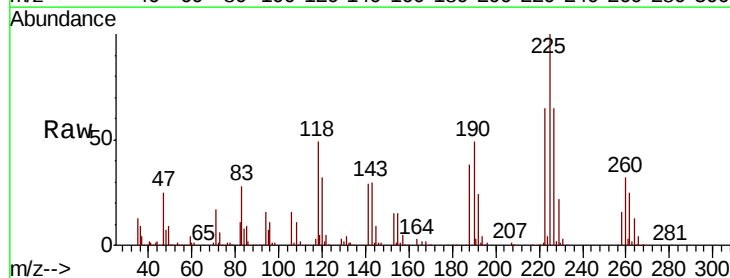
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

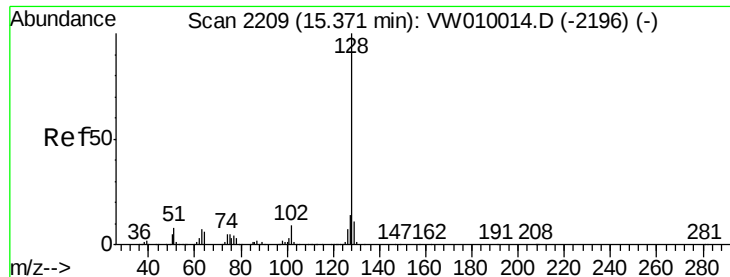
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.4
145	32.1	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 19.400 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	63.4	31.8	95.3

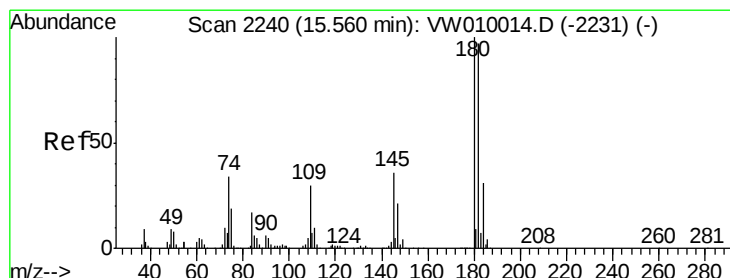
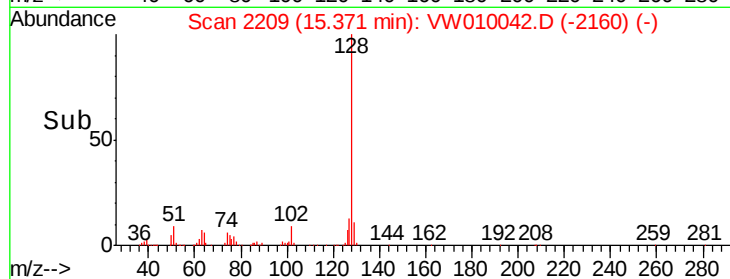
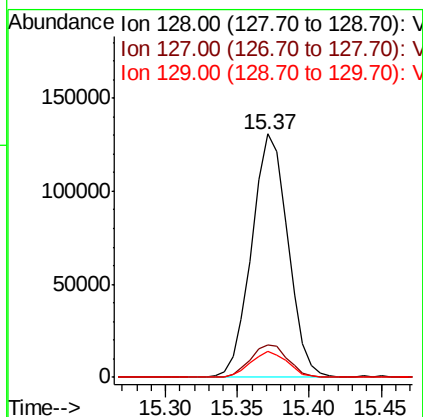
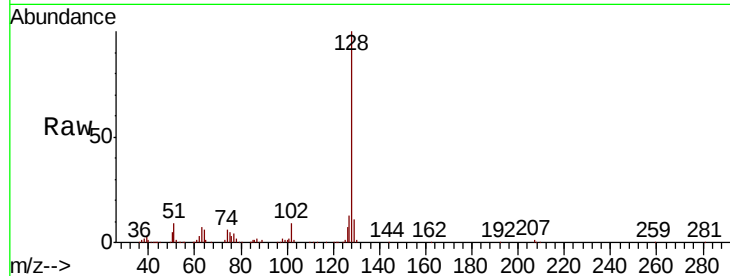




#95
Naphthalene
Concen: 19.808 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tgt Ion:128 Resp: 227589
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.409 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion:180 Resp: 111986
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 31.8 16.4 49.2

