

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009105.D
 Acq On : 12 Mar 2019 01:17
 Operator : SY/VA
 Sample : VW0311SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Quant Time: Mar 12 08:16:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	433965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	236430	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	162287	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
35) Dibromofluoromethane	7.88	113	133799	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.32	98	542465	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	214050	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	58154	20.740 ug/l	95
3) Chloromethane	2.21	50	71655	20.116 ug/l	96
4) Vinyl Chloride	2.35	62	72569	20.075 ug/l	93
5) Bromomethane	2.74	94	67104	21.991 ug/l	96
6) Chloroethane	2.90	64	52118	20.252 ug/l	95
7) Trichlorofluoromethane	3.25	101	91420	19.642 ug/l	99
8) Diethyl Ether	3.68	74	31665	22.250 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54915	18.944 ug/l	97
10) Methyl Iodide	4.27	142	37826	14.450 ug/l	99
11) Tert butyl alcohol	5.17	59	29227	136.254 ug/l	100
12) 1,1-Dichloroethene	4.03	96	49793	19.913 ug/l	97
13) Acrolein	3.89	56	22495	95.301 ug/l	99
14) Allyl chloride	4.66	41	91491	20.743 ug/l	98
15) Acrylonitrile	5.37	53	71191	114.615 ug/l	97
16) Acetone	4.12	43	61997	98.149 ug/l	99
17) Carbon Disulfide	4.37	76	160952	19.131 ug/l	100
18) Methyl Acetate	4.67	43	32622	22.459 ug/l	98
19) Methyl tert-butyl Ether	5.42	73	149624	22.620 ug/l	100
20) Methylene Chloride	4.90	84	62402	17.470 ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	57753	20.003 ug/l	92
22) Diisopropyl ether	6.31	45	190452	21.728 ug/l	98
23) Vinyl Acetate	6.25	43	590796	108.312 ug/l	99
24) 1,1-Dichloroethane	6.21	63	108596	21.360 ug/l	99
25) 2-Butanone	7.17	43	97643	111.852 ug/l	90
26) 2,2-Dichloropropane	7.17	77	83444	18.057 ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	64965	20.951 ug/l	100
28) Bromochloromethane	7.51	49	44340	20.968 ug/l	97
29) Tetrahydrofuran	7.52	42	64766	117.730 ug/l	99
30) Chloroform	7.67	83	110247	21.063 ug/l	94
31) Cyclohexane	7.95	56	100739	19.298 ug/l	# 94
32) 1,1,1-Trichloroethane	7.87	97	97315	20.146 ug/l	99
36) 1,1-Dichloropropene	8.08	75	85538	18.851 ug/l	98
37) Ethyl Acetate	7.25	43	43682	20.495 ug/l	97
38) Carbon Tetrachloride	8.07	117	86028	18.358 ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96279	17.814	ug/l	98
40) Benzene	8.32	78	234769	19.382	ug/l	99
41) Methacrylonitrile	7.48	41	24506	20.705	ug/l	93
42) 1,2-Dichloroethane	8.40	62	78510	20.076	ug/l	99
43) Isopropyl Acetate	8.43	43	83274	20.978	ug/l	98
44) Trichloroethene	9.09	130	64151	18.896	ug/l	100
45) 1,2-Dichloropropane	9.37	63	58692	19.346	ug/l	97
46) Dibromomethane	9.46	93	33463	20.197	ug/l	98
47) Bromodichloromethane	9.64	83	82600	19.694	ug/l	97
48) Methyl methacrylate	9.43	41	37323	20.192	ug/l #	85
49) 1,4-Dioxane	9.45	88	10545	444.453	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	215967	107.166	ug/l	100
52) Toluene	10.38	92	154413	18.797	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	81447	19.635	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	92803	19.468	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45661	20.333	ug/l	95
56) Ethyl methacrylate	10.65	69	57306	20.561	ug/l	99
57) 1,3-Dichloropropane	10.93	76	82461	20.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	149660	103.582	ug/l	100
59) 2-Hexanone	10.97	43	149684	105.643	ug/l	98
60) Dibromochloromethane	11.13	129	54075	19.458	ug/l	97
61) 1,2-Dibromoethane	11.23	107	43899	19.941	ug/l	99
64) Tetrachloroethene	10.86	164	61459	20.155	ug/l	92
65) Chlorobenzene	11.66	112	177125	19.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58481	19.030	ug/l	97
67) Ethyl Benzene	11.73	91	311865	18.757	ug/l	98
68) m/p-Xylenes	11.84	106	245506	37.409	ug/l	100
69) o-Xylene	12.16	106	115643	18.938	ug/l	98
70) Styrene	12.18	104	184506	18.675	ug/l	98
71) Bromoform	12.35	173	33022	20.013	ug/l #	100
73) Isopropylbenzene	12.46	105	314745	18.590	ug/l	100
74) N-amyl acetate	12.27	43	82557	20.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	54748	20.499	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	73237	39.206	ug/l #	1
77) Bromobenzene	12.75	156	74507	19.260	ug/l	97
78) n-propylbenzene	12.80	91	390628	18.731	ug/l	99
79) 2-Chlorotoluene	12.90	91	219578	18.740	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	273346	18.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15712	18.814	ug/l	98
82) 4-Chlorotoluene	12.99	91	235119	18.824	ug/l	99
83) tert-Butylbenzene	13.21	119	232666	18.903	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	279335	18.921	ug/l	99
85) sec-Butylbenzene	13.38	105	338013	18.535	ug/l	100
86) p-Isopropyltoluene	13.50	119	299182	18.339	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	152524	18.761	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	151794	18.893	ug/l	99
89) n-Butylbenzene	13.83	91	280495	18.086	ug/l	100
90) Hexachloroethane	14.10	117	52656	18.714	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	139446	19.440	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10329	21.715	ug/l	97

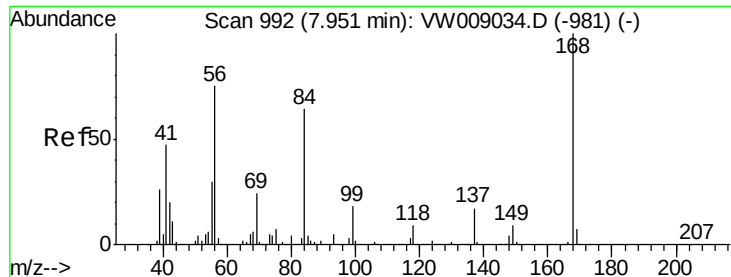
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	93807	19.365	ug/l	98
94) Hexachlorobutadiene	15.24	225	57625	18.991	ug/l	97
95) Naphthalene	15.37	128	163712	20.645	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	82450	19.356	ug/l	98

(#) = 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. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

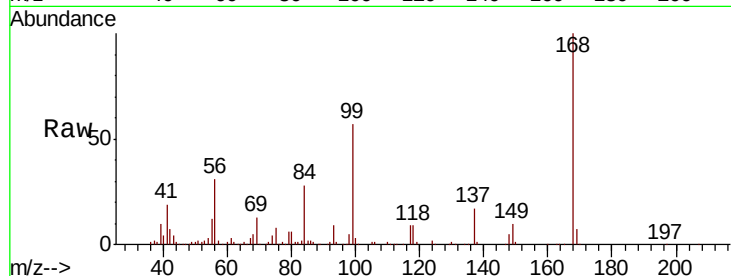
VW0311SBS02

Tgt Ion:168 Resp: 278223

Ion Ratio Lower Upper

168 100

99 56.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

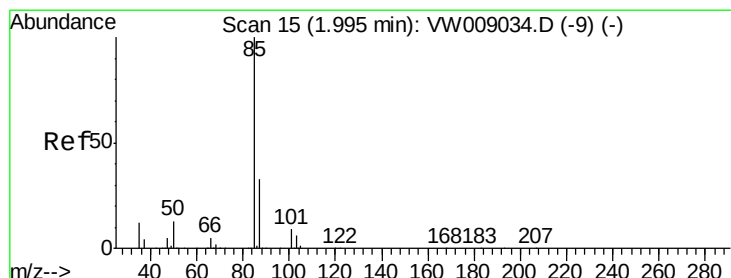
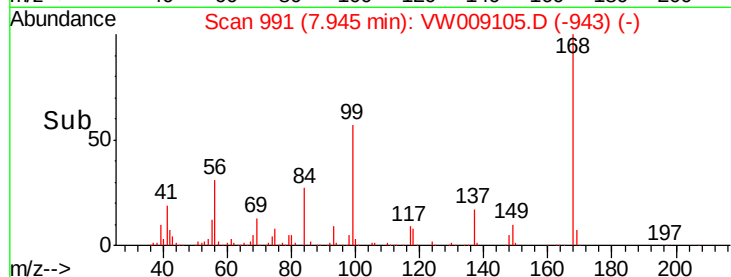
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.740 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009105.D

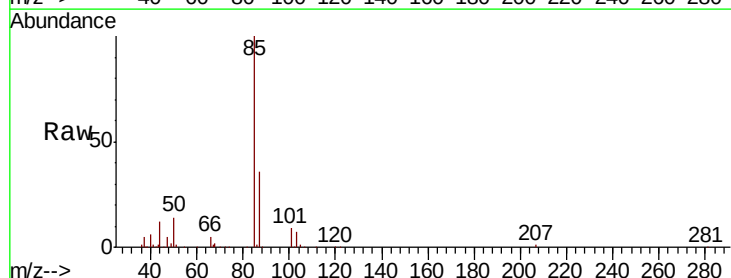
Acq: 12 Mar 2019 01:17

Tgt Ion: 85 Resp: 58154

Ion Ratio Lower Upper

85 100

87 35.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

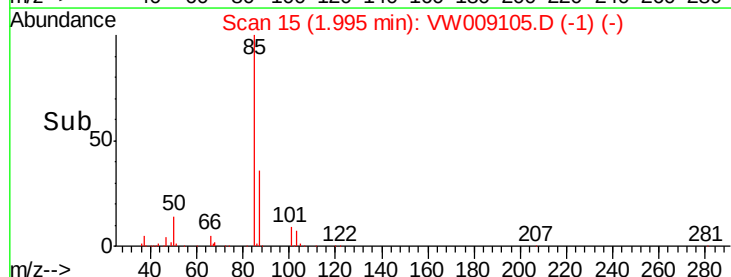
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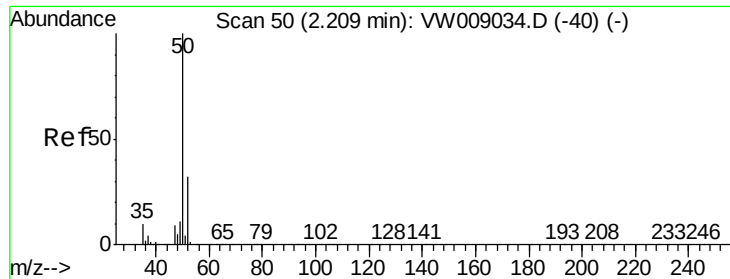
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.116 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

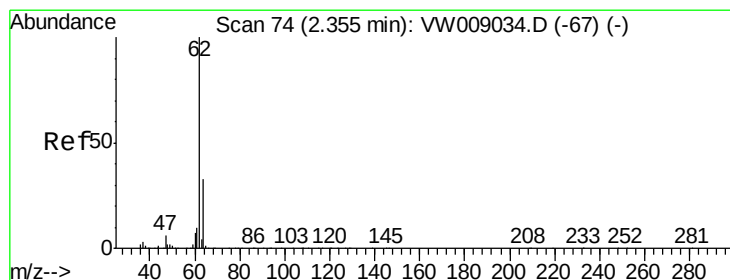
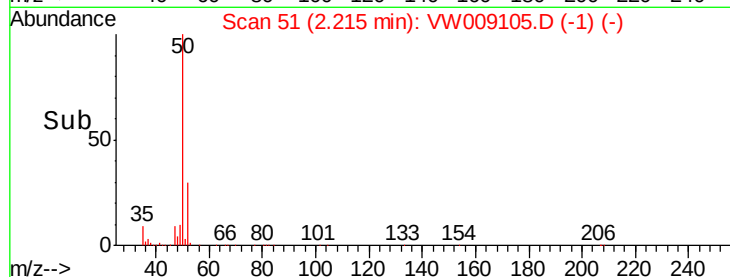
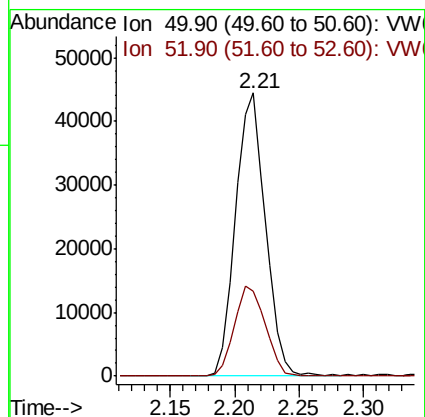
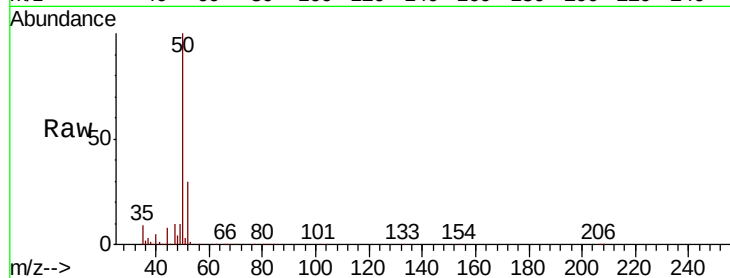
VW0311SBS02

Tgt Ion: 50 Resp: 71655

Ion Ratio Lower Upper

50 100

52 29.8 25.4 38.2



#4

Vinyl Chloride

Concen: 20.075 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW009105.D

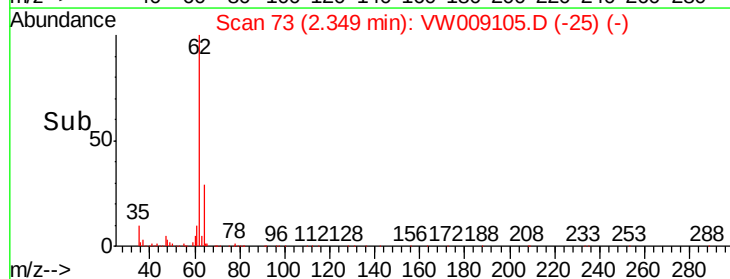
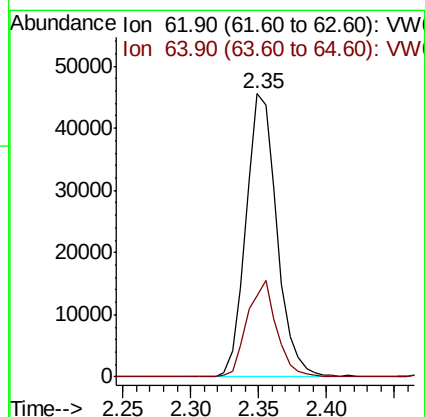
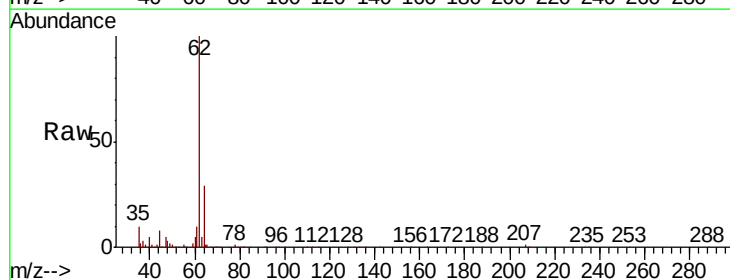
Acq: 12 Mar 2019 01:17

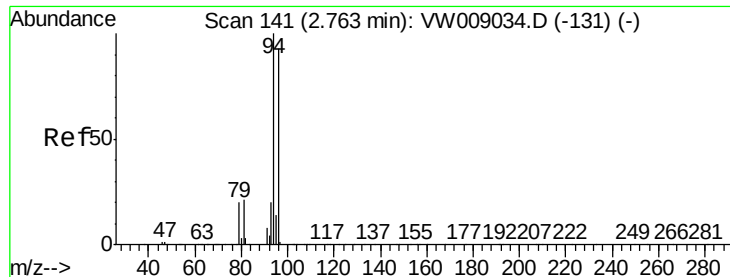
Tgt Ion: 62 Resp: 72569

Ion Ratio Lower Upper

62 100

64 28.7 26.0 39.0





#5

Bromomethane

Concen: 21.991 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

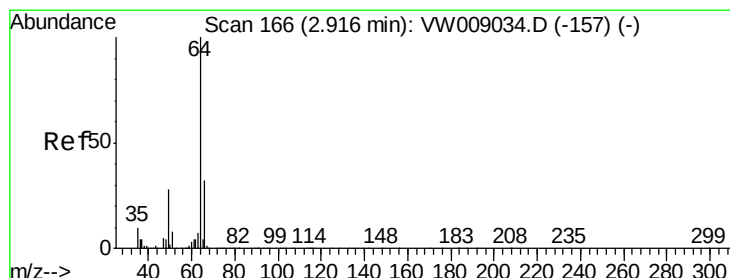
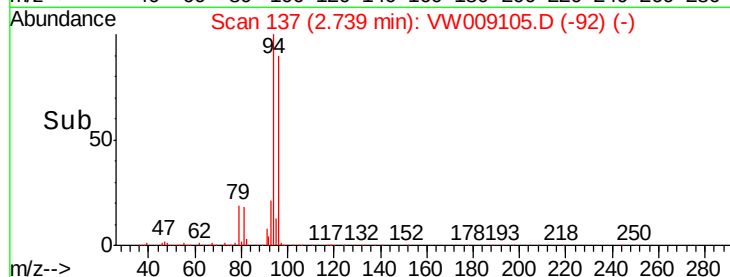
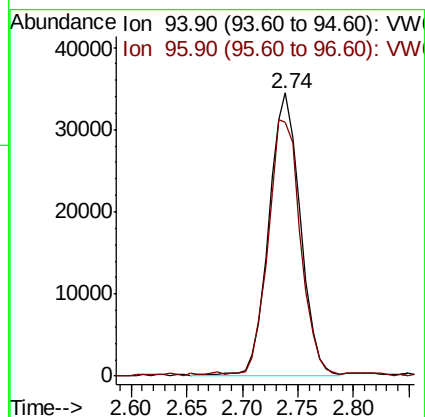
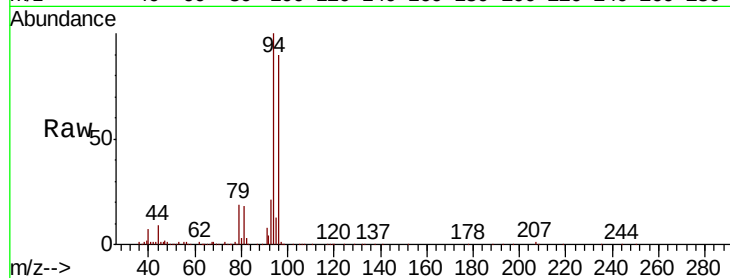
VW0311SBS02

Tgt Ion: 94 Resp: 67104

Ion Ratio Lower Upper

94 100

96 89.3 74.4 111.6



#6

Chloroethane

Concen: 20.252 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW009105.D

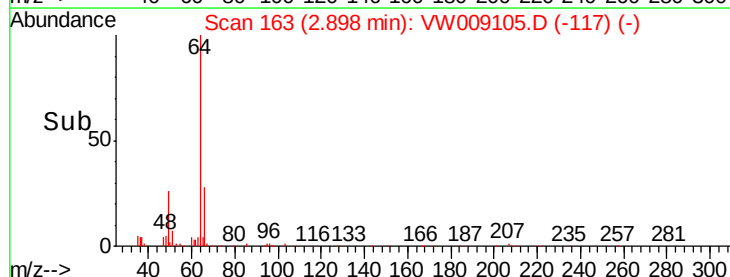
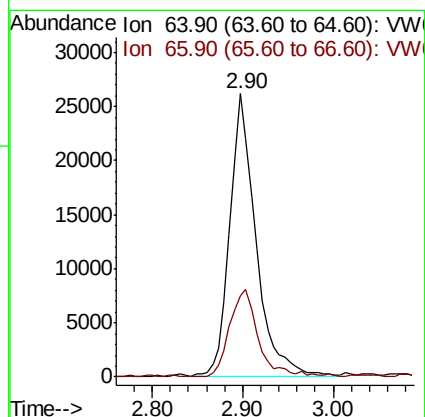
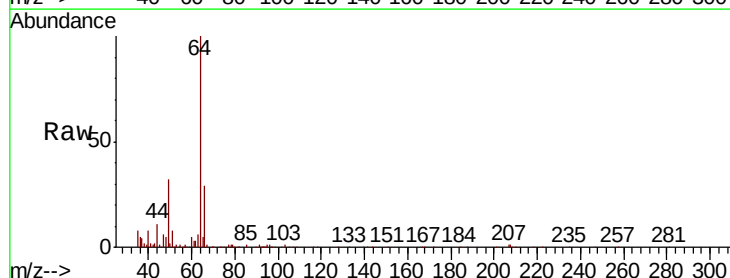
Acq: 12 Mar 2019 01:17

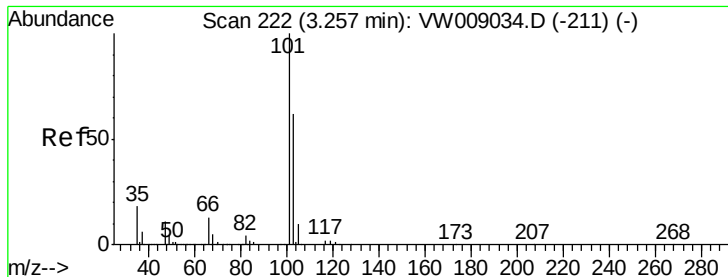
Tgt Ion: 64 Resp: 52118

Ion Ratio Lower Upper

64 100

66 28.9 25.5 38.3



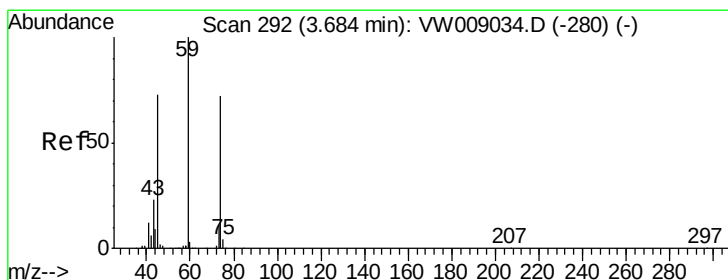
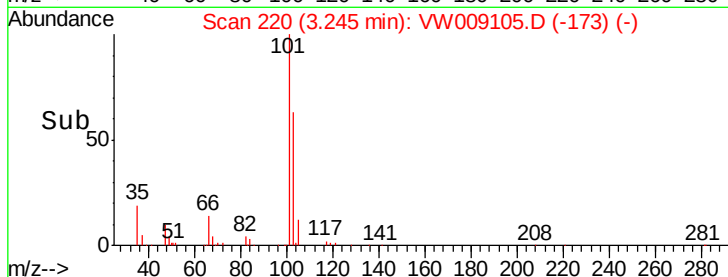
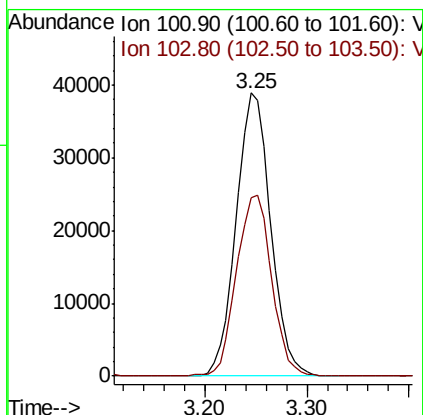
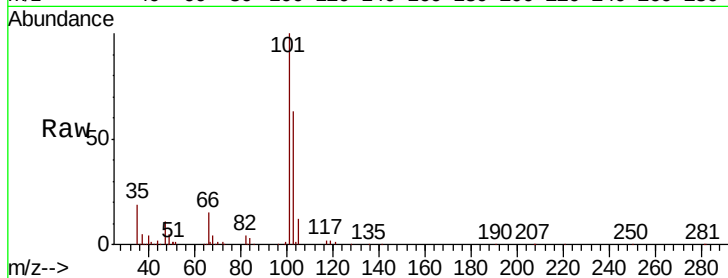


#7

Trichlorofluoromethane
 Concen: 19.642 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
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 VW0311SBS02

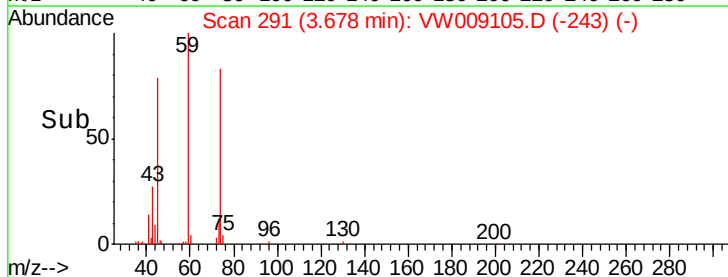
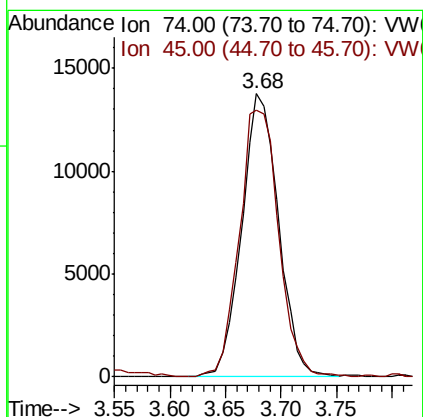
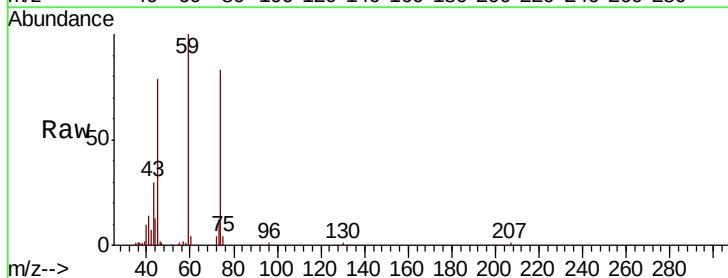
Tgt Ion:101 Resp: 91420
 Ion Ratio Lower Upper
 101 100
 103 63.0 49.9 74.9

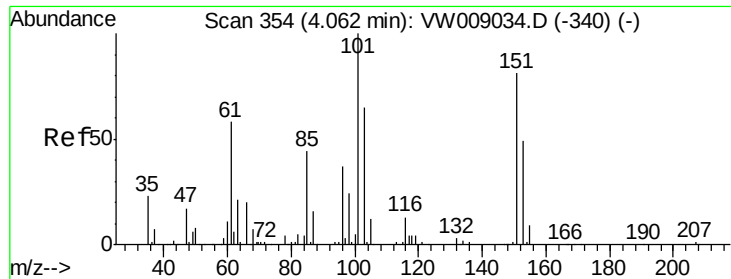


#8

Diethyl Ether
 Concen: 22.250 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion: 74 Resp: 31665
 Ion Ratio Lower Upper
 74 100
 45 100.6 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.944 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

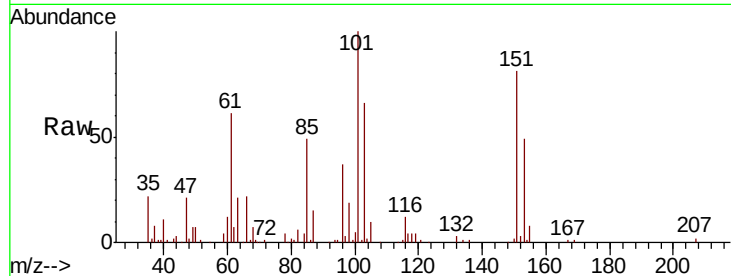
Tgt Ion:101 Resp: 54915

Ion Ratio Lower Upper

101 100

85 47.3 36.2 54.4

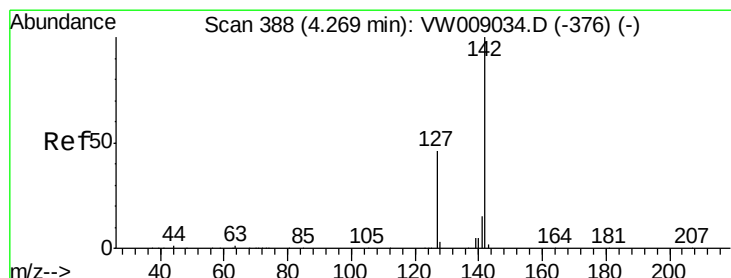
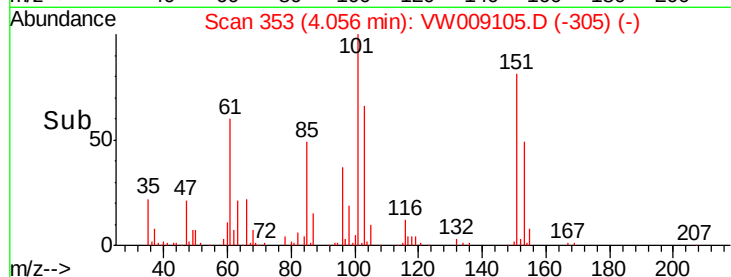
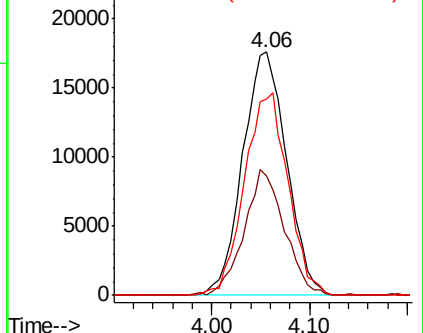
151 82.4 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.450 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

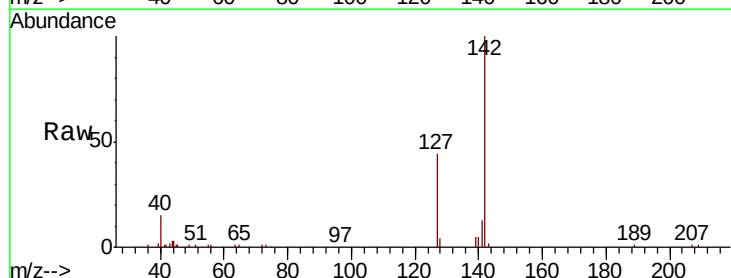
Tgt Ion:142 Resp: 37826

Ion Ratio Lower Upper

142 100

127 44.3 35.8 53.6

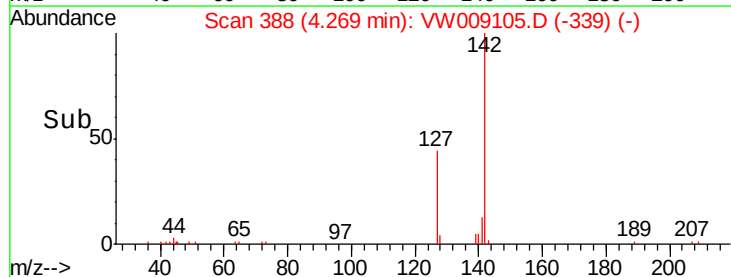
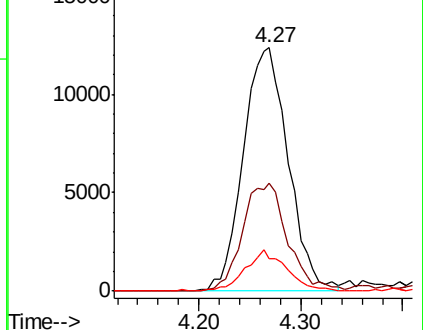
141 15.5 11.8 17.8

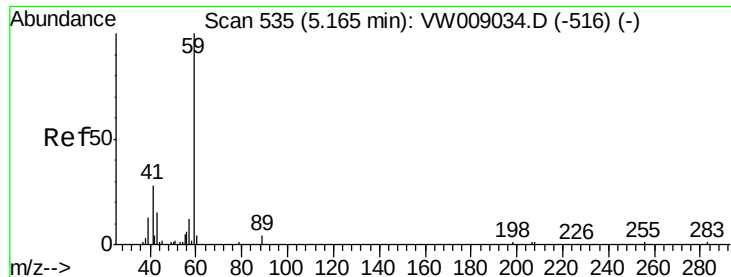


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

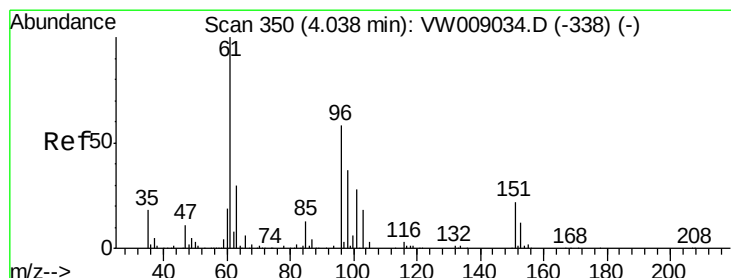
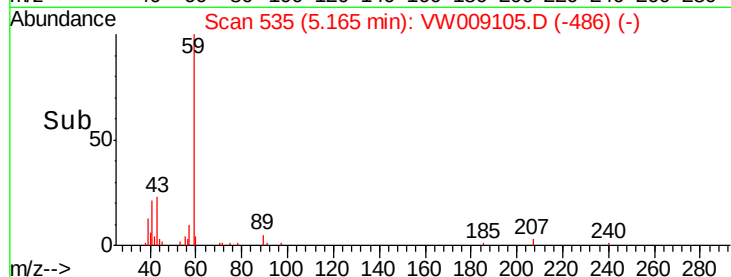
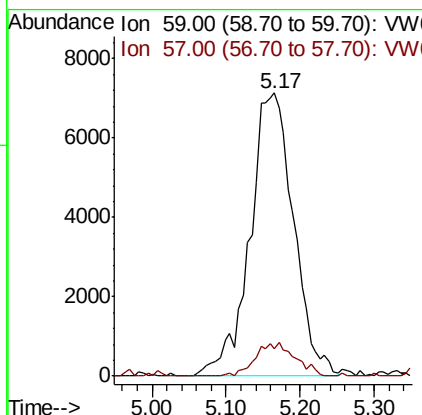
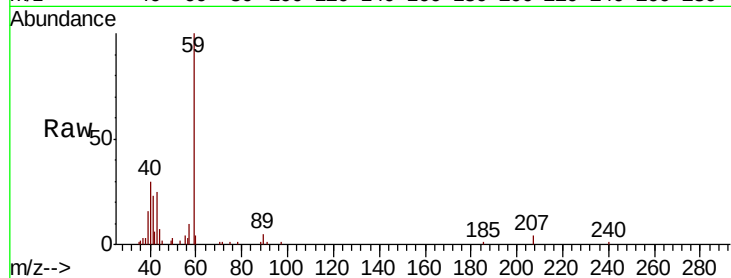




#11
Tert butyl alcohol
Concen: 136.254 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

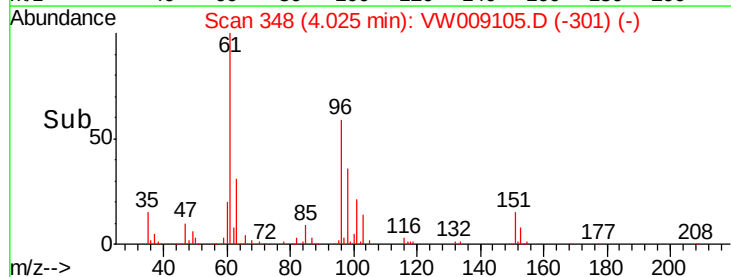
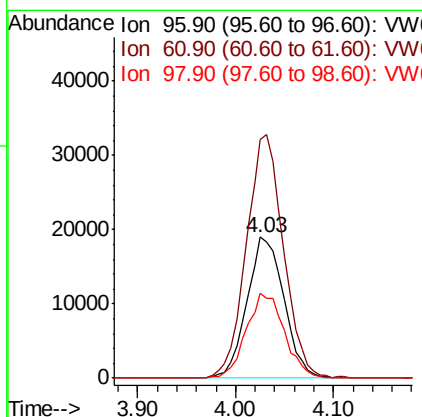
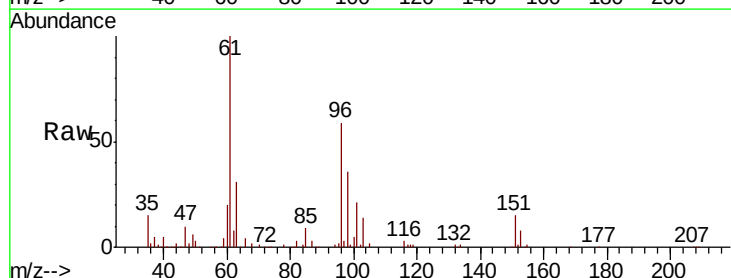
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

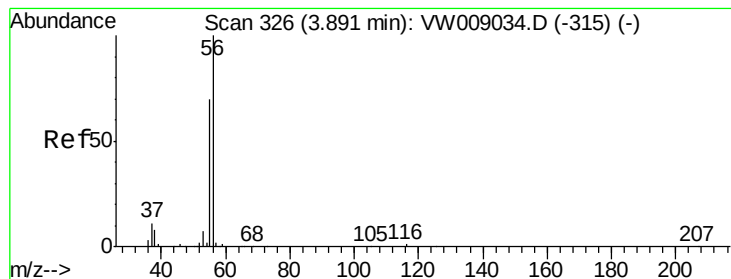
Tgt Ion: 59 Resp: 29227
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8



#12
1,1-Dichloroethene
Concen: 19.913 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 96 Resp: 49793
Ion Ratio Lower Upper
96 100
61 169.7 138.2 207.2
98 60.3 51.3 76.9





#13

Acrolein

Concen: 95.301 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

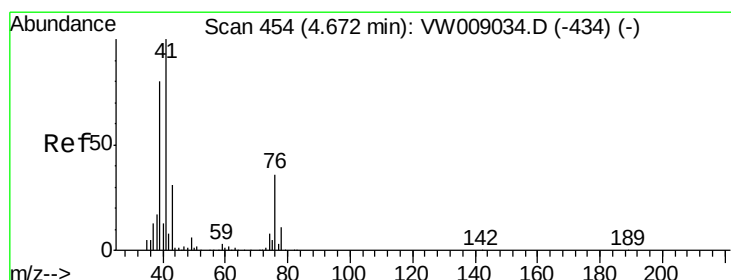
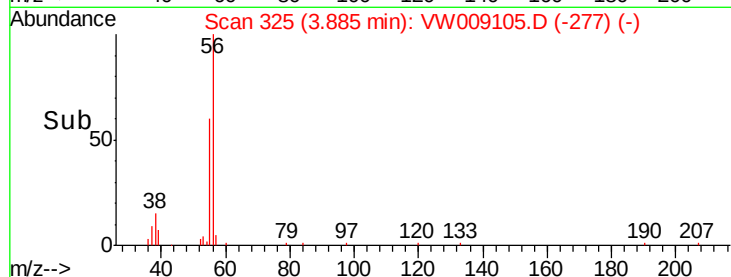
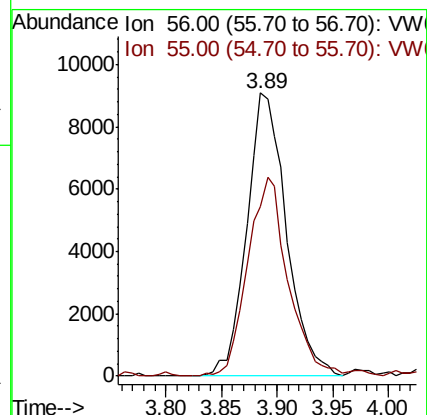
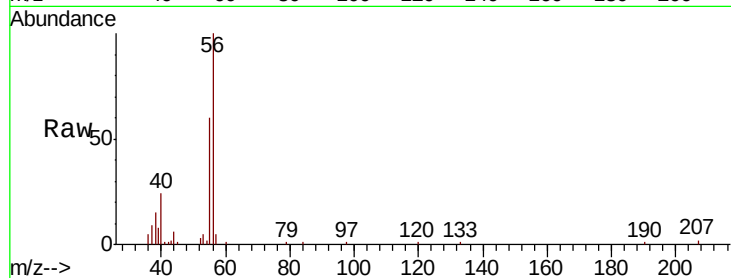
VW0311SBS02

Tgt Ion: 56 Resp: 22495

Ion Ratio Lower Upper

56 100

55 71.5 56.6 84.8



#14

Allyl chloride

Concen: 20.743 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

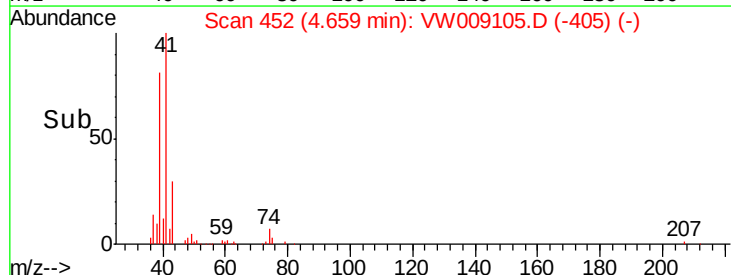
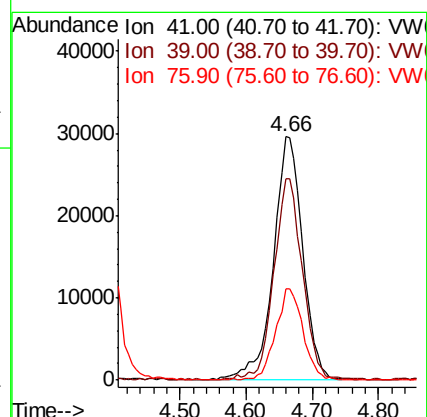
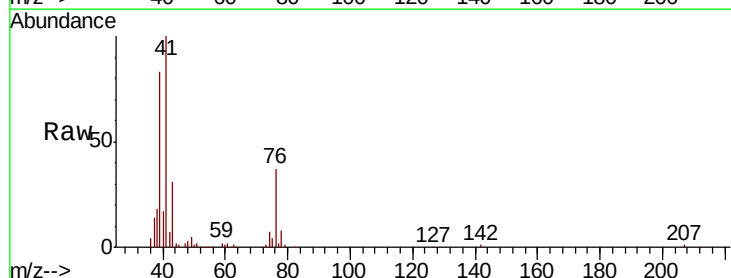
Tgt Ion: 41 Resp: 91491

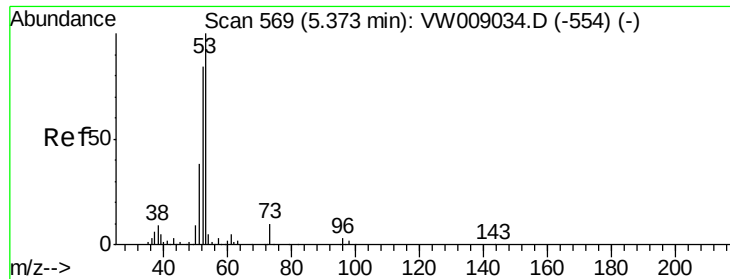
Ion Ratio Lower Upper

41 100

39 81.0 63.0 94.4

76 35.1 28.2 42.2

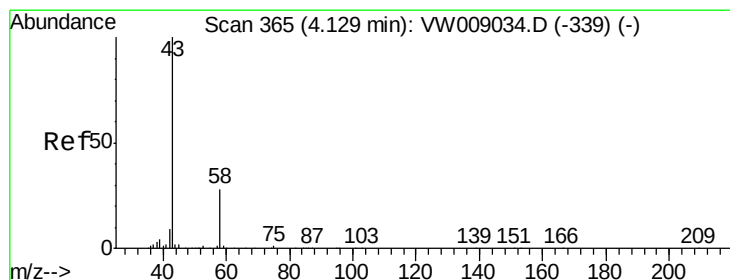
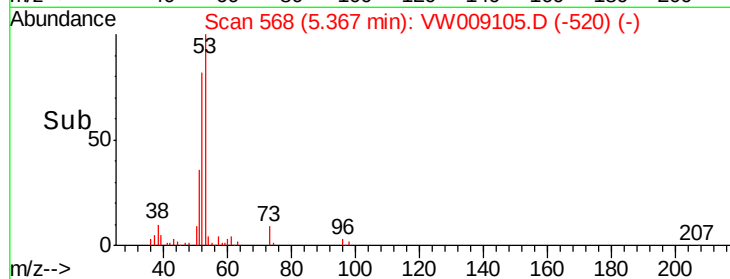
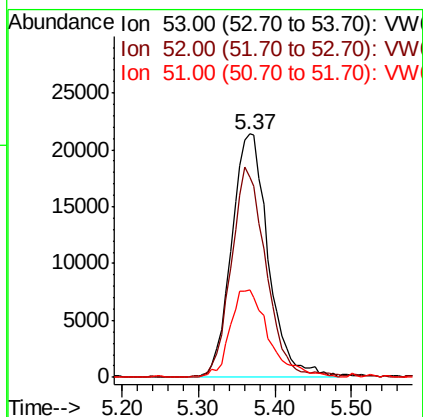
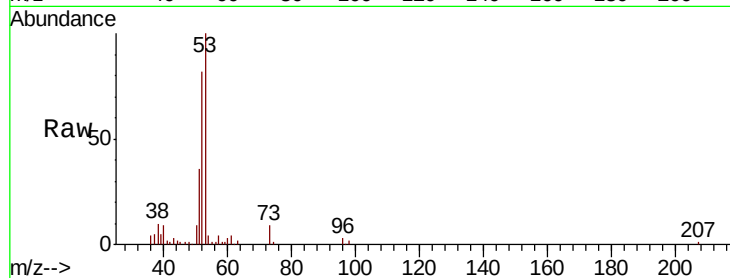




#15
 Acrylonitrile
 Concen: 114.615 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

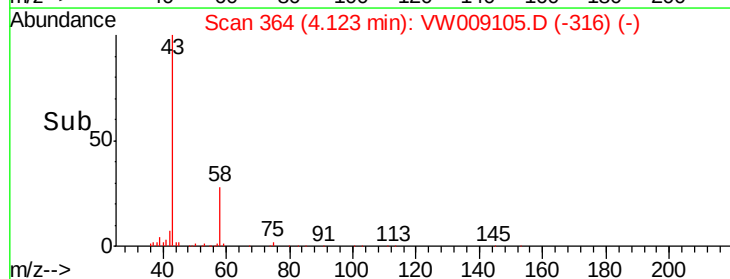
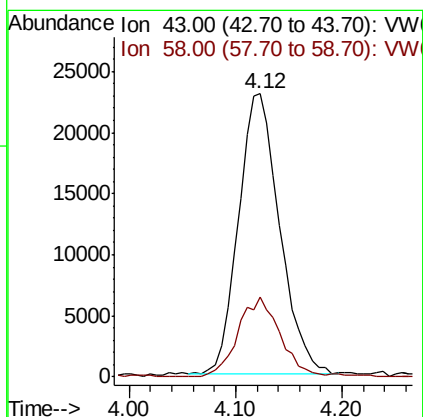
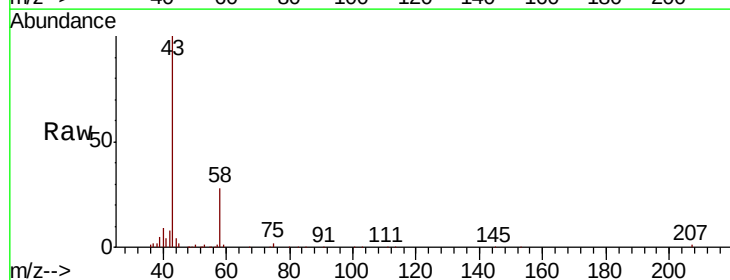
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

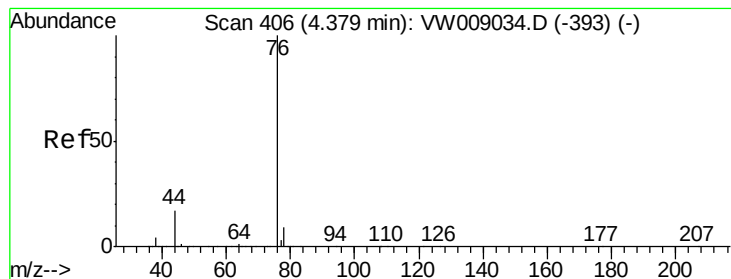
Tgt Ion: 53 Resp: 71191
 Ion Ratio Lower Upper
 53 100
 52 81.1 67.2 100.8
 51 38.0 31.8 47.6



#16
 Acetone
 Concen: 98.149 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion: 43 Resp: 61997
 Ion Ratio Lower Upper
 43 100
 58 28.4 22.5 33.7





#17

Carbon Disulfide

Concen: 19.131 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

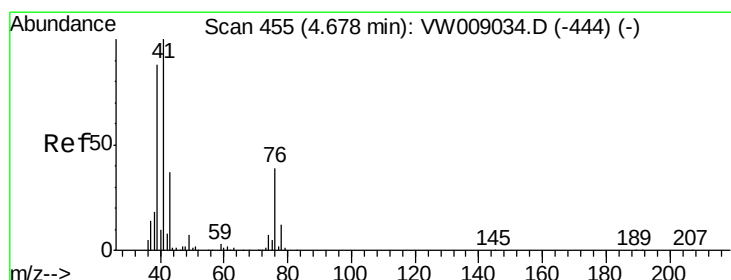
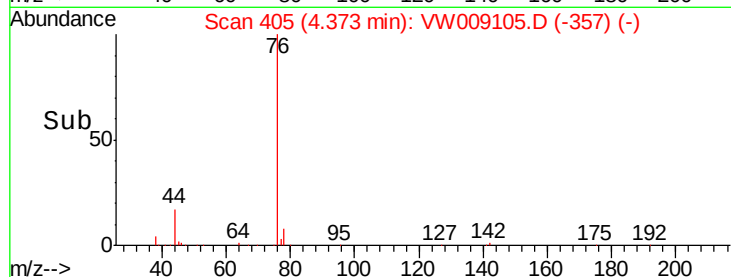
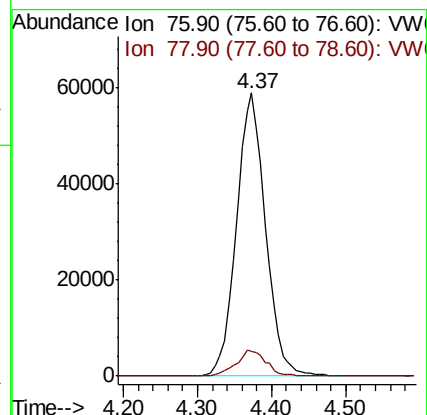
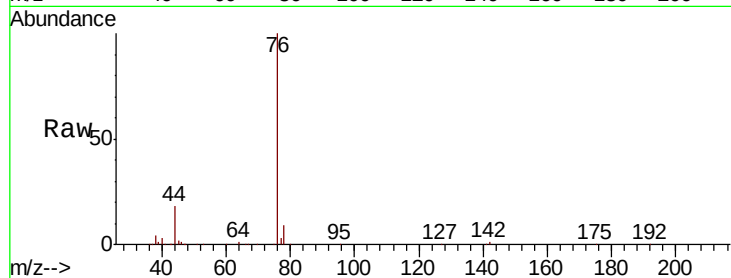
VW0311SBS02

Tgt Ion: 76 Resp: 160952

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



#18

Methyl Acetate

Concen: 22.459 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009105.D

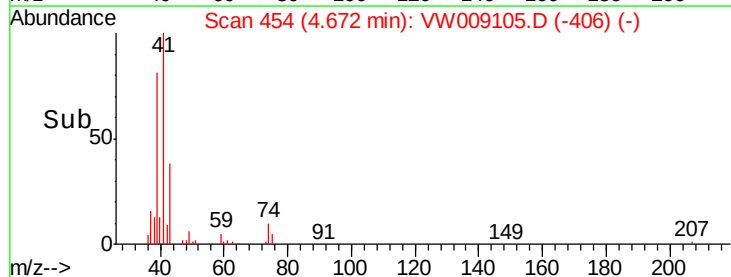
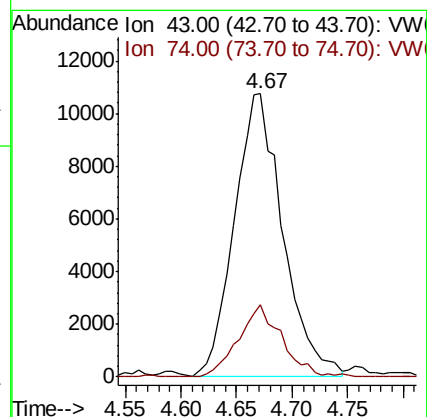
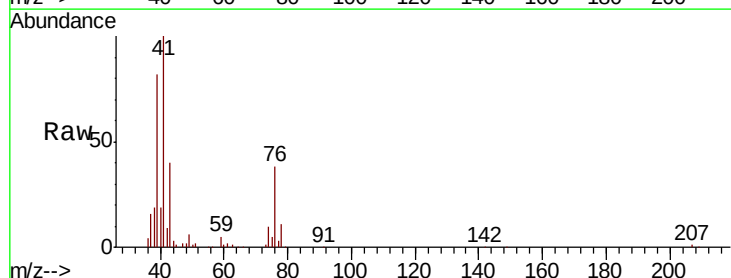
Acq: 12 Mar 2019 01:17

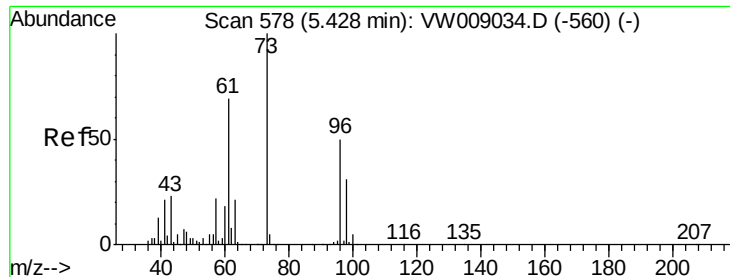
Tgt Ion: 43 Resp: 32622

Ion Ratio Lower Upper

43 100

74 22.9 17.6 26.4

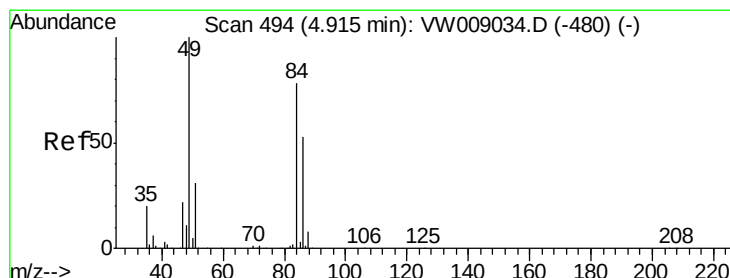
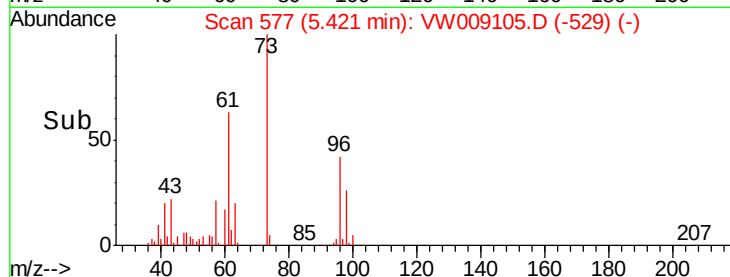
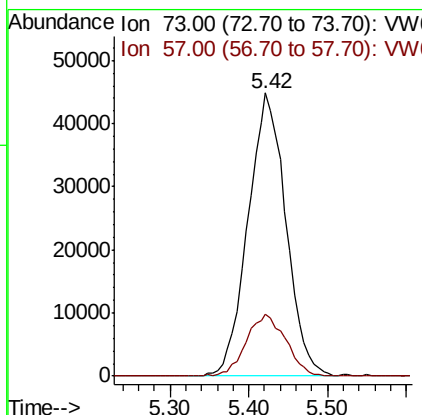
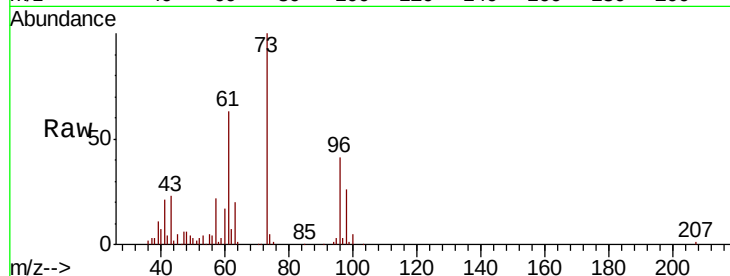




#19
Methyl tert-butyl Ether
Concen: 22.620 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

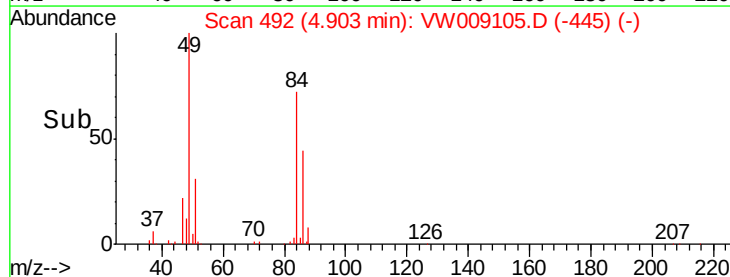
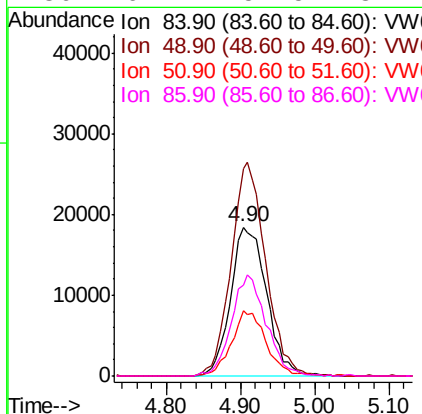
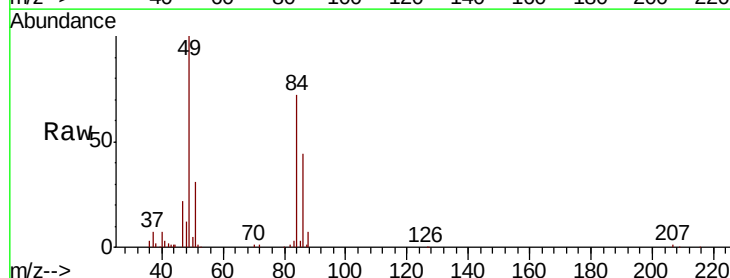
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

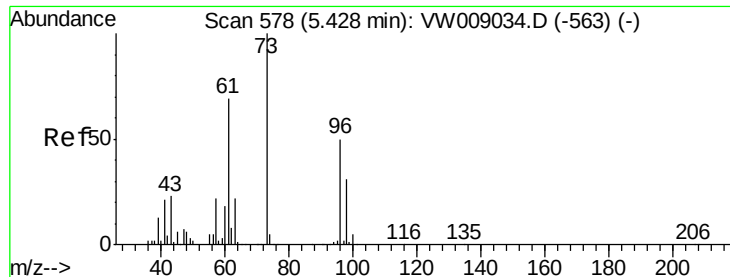
Tgt Ion: 73 Resp: 149624
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9



#20
Methylene Chloride
Concen: 17.470 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 84 Resp: 62402
Ion Ratio Lower Upper
84 100
49 138.5 102.4 153.6
51 43.7 31.6 47.4
86 61.4 54.5 81.7

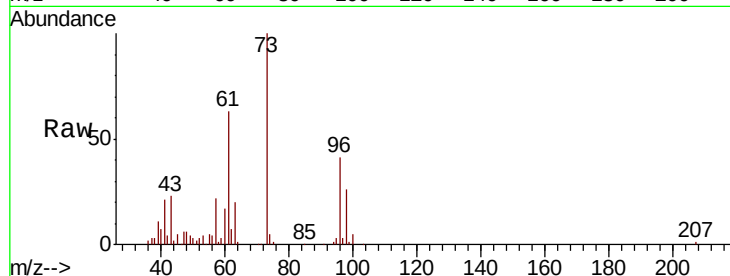




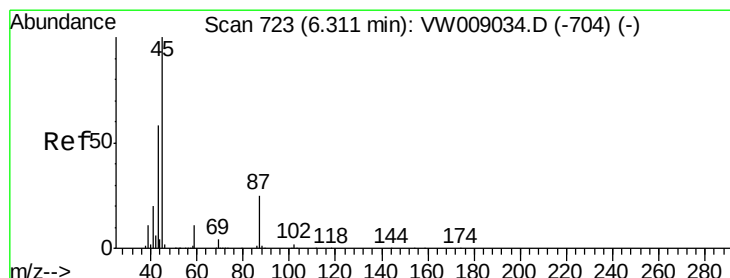
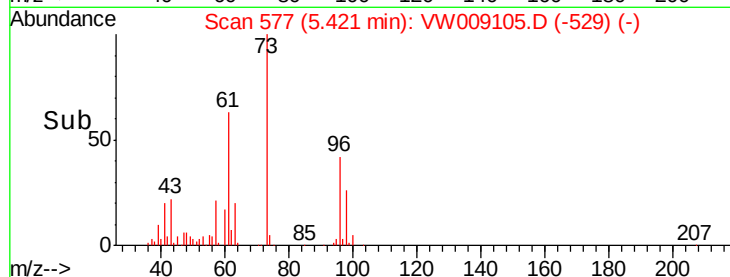
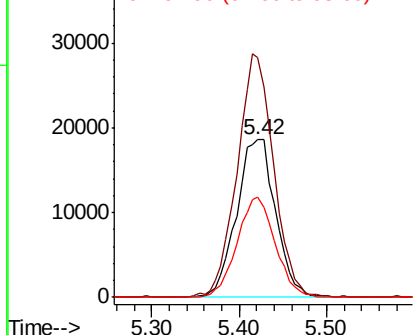
#21
trans-1,2-Dichloroethene
Concen: 20.003 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tgt Ion: 96 Resp: 57753
Ion Ratio Lower Upper
96 100
61 152.3 111.0 166.6
98 63.7 49.4 74.0

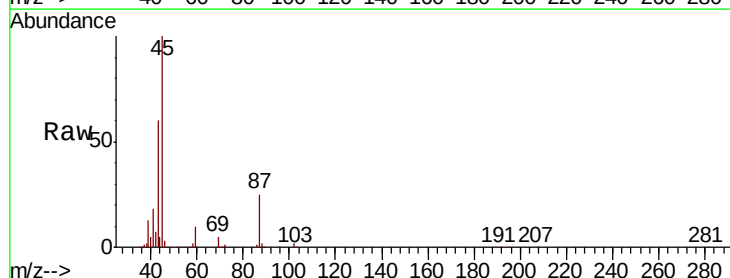


Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

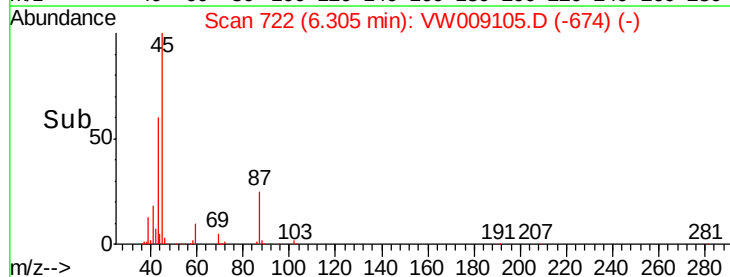
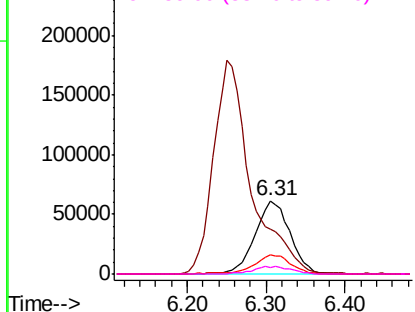


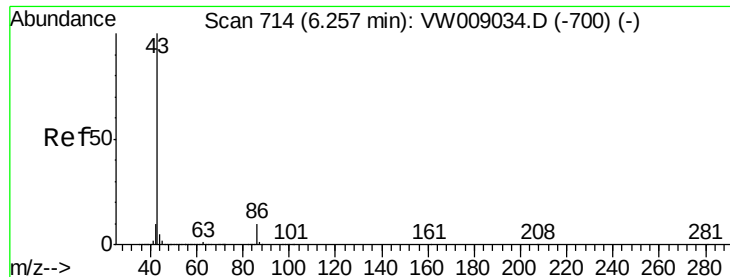
#22
Diisopropyl ether
Concen: 21.728 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 45 Resp: 190452
Ion Ratio Lower Upper
45 100
43 59.1 46.2 69.4
87 25.3 20.1 30.1
59 9.4 8.4 12.6



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: 108.312 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

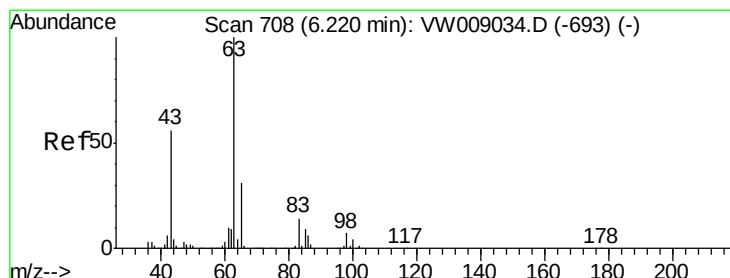
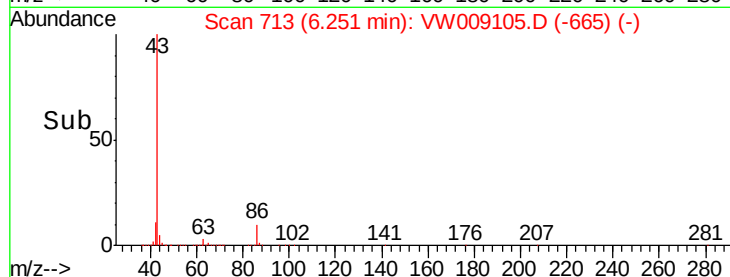
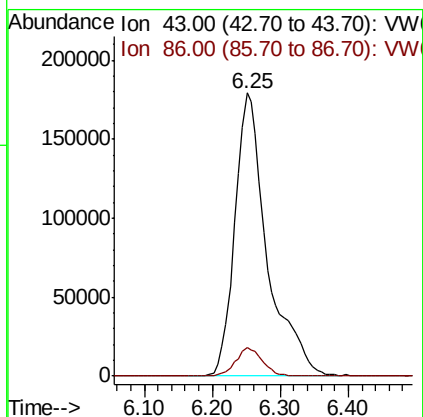
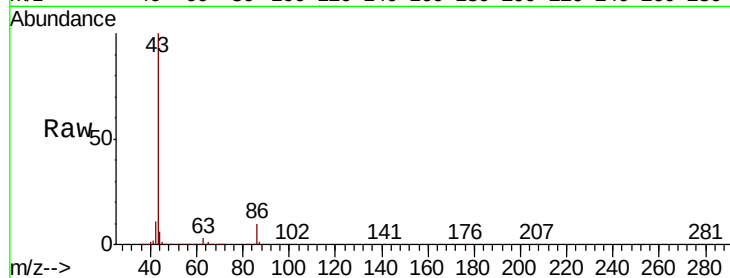
VW0311SBS02

Tgt Ion: 43 Resp: 590796

Ion Ratio Lower Upper

43 100

86 10.0 7.6 11.4



#24

1,1-Dichloroethane

Concen: 21.360 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

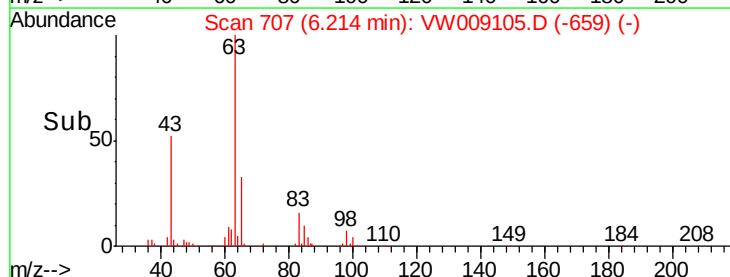
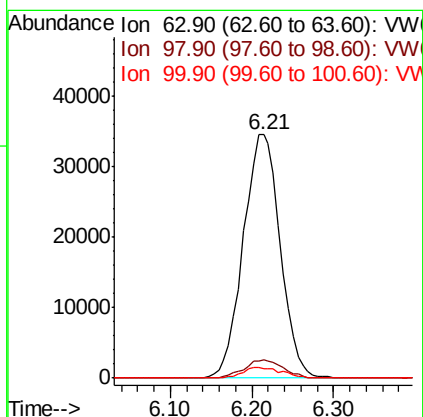
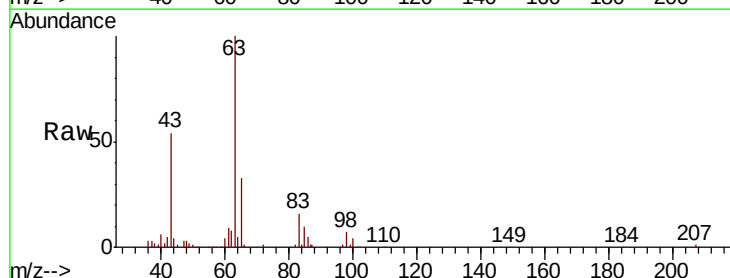
Tgt Ion: 63 Resp: 108596

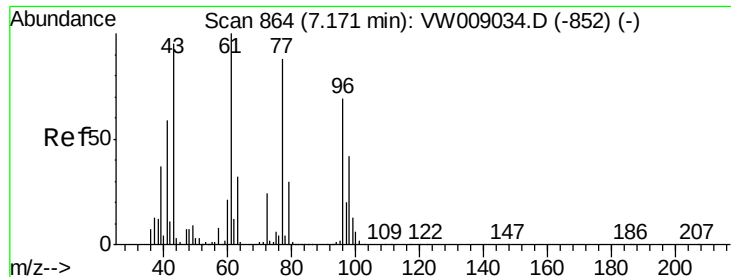
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 111.852 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

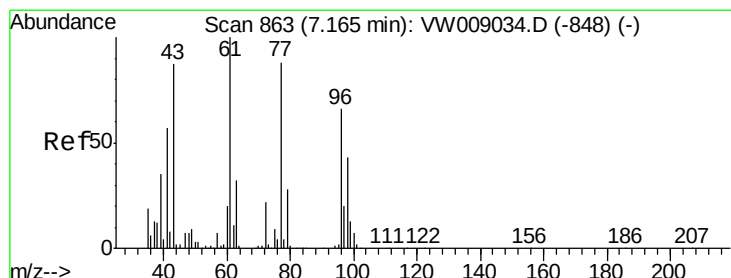
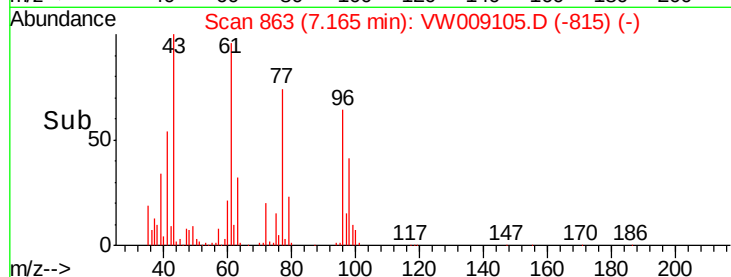
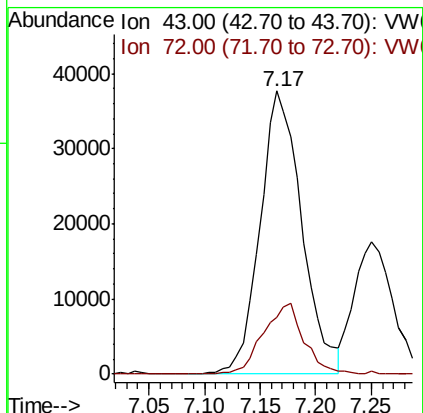
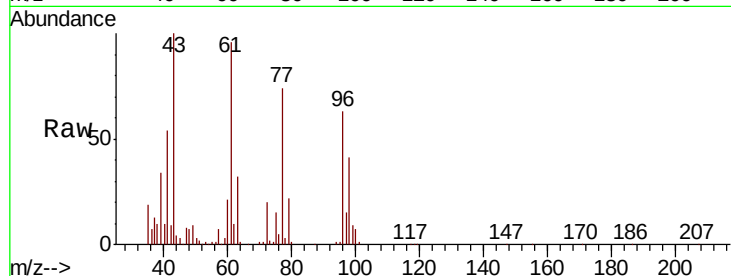
VW0311SBS02

Tgt Ion: 43 Resp: 97643

Ion Ratio Lower Upper

43 100

72 20.1 20.0 30.0



#26

2,2-Dichloropropane

Concen: 18.057 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009105.D

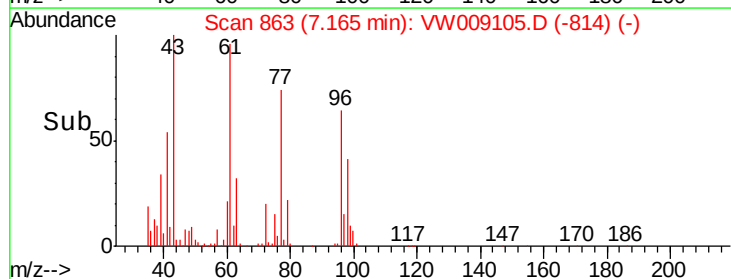
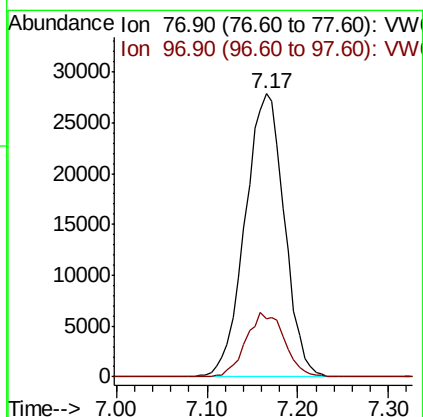
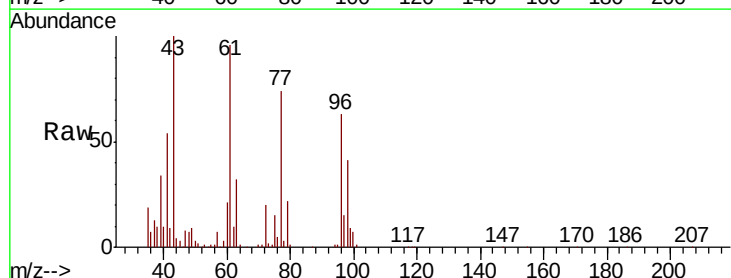
Acq: 12 Mar 2019 01:17

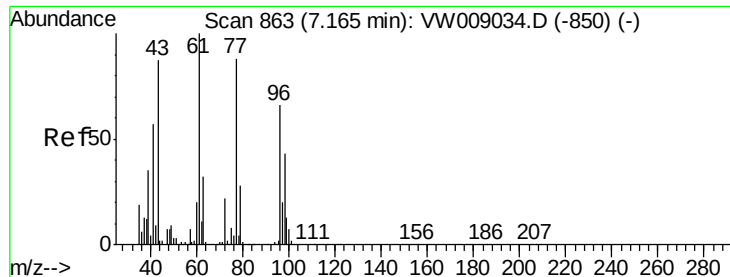
Tgt Ion: 77 Resp: 83444

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9



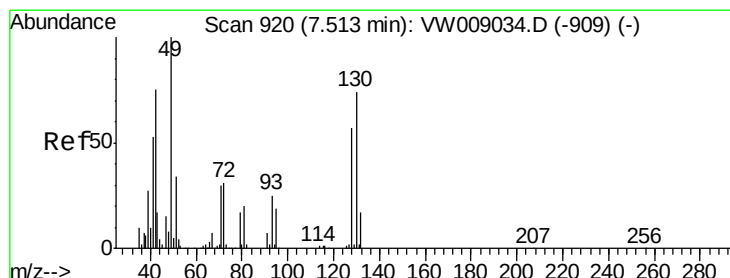
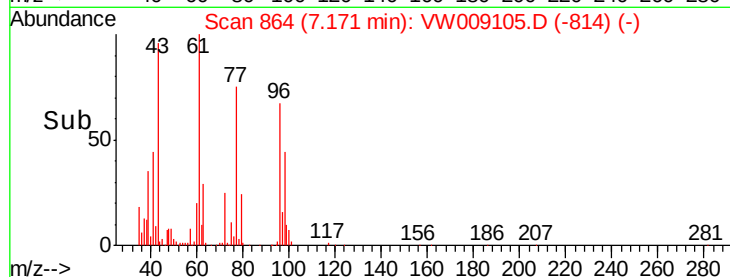
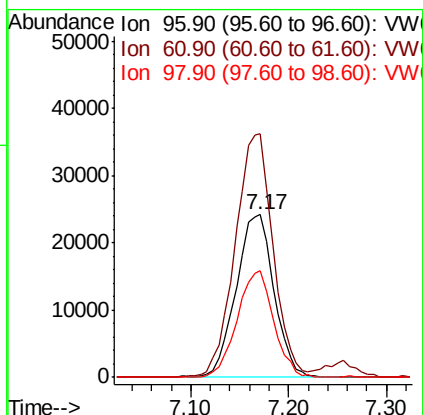
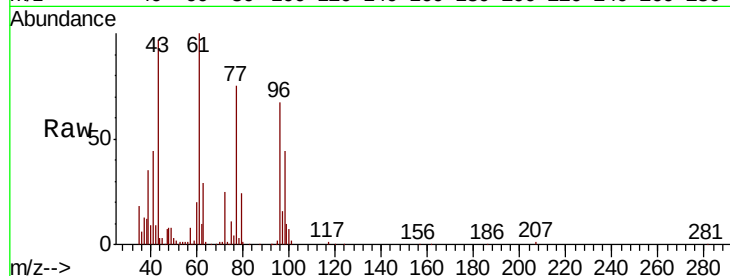


#27

cis-1,2-Dichloroethene
Concen: 20.951 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

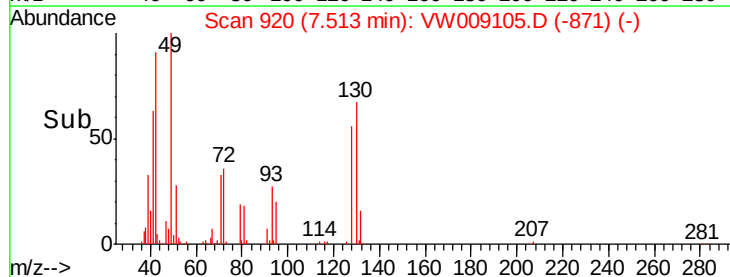
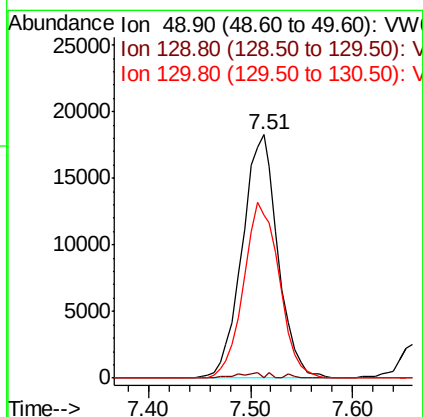
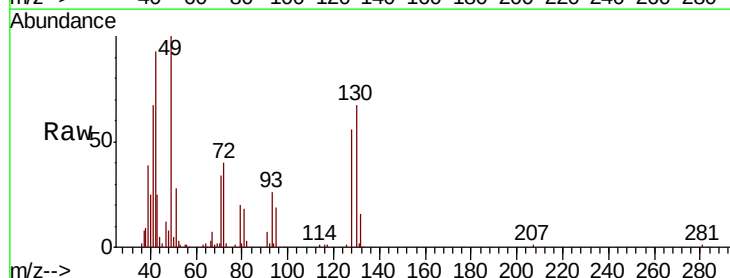
Tgt Ion: 96 Resp: 64965
Ion Ratio Lower Upper
96 100
61 149.5 0.0 299.8
98 63.2 0.0 127.2

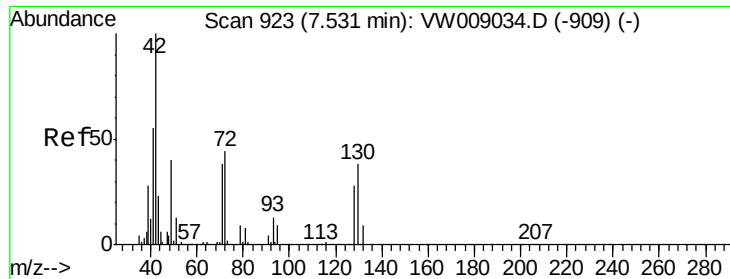


#28

Bromochloromethane
Concen: 20.968 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 49 Resp: 44340
Ion Ratio Lower Upper
49 100
129 1.4 0.0 4.6
130 72.6 60.4 90.6

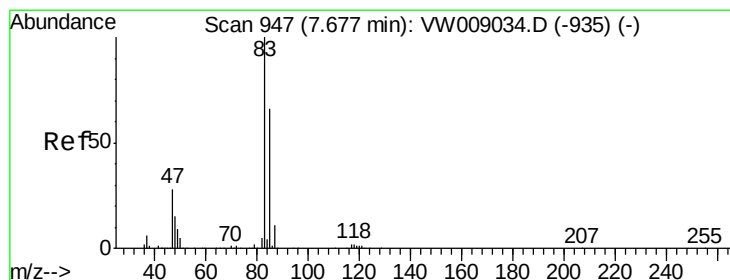
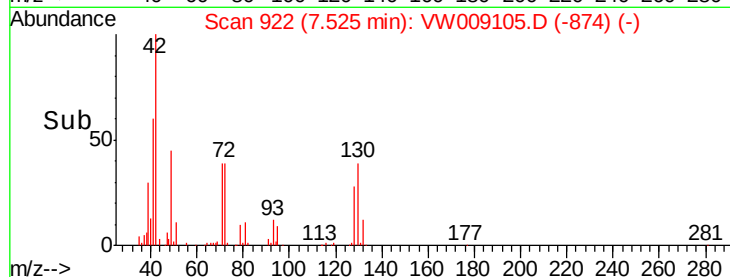
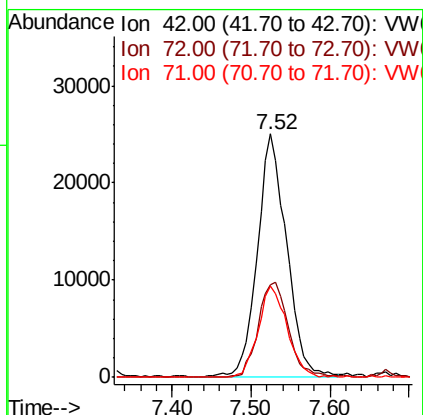
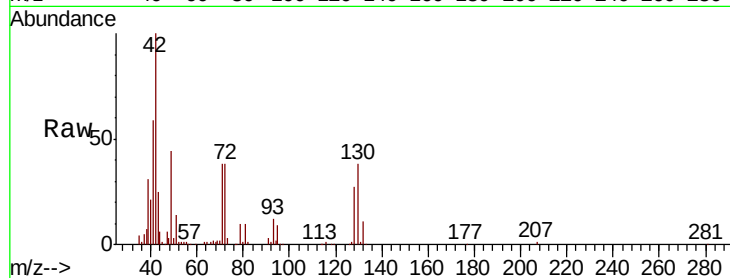




#29
Tetrahydrofuran
Concen: 117.730 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

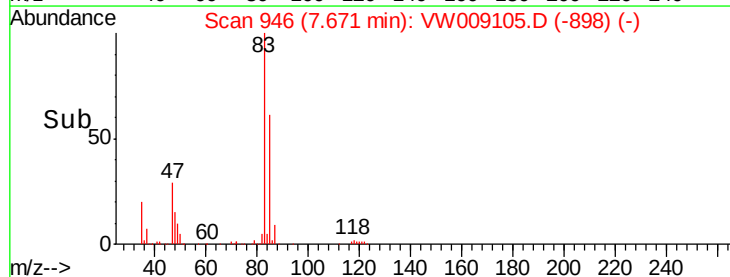
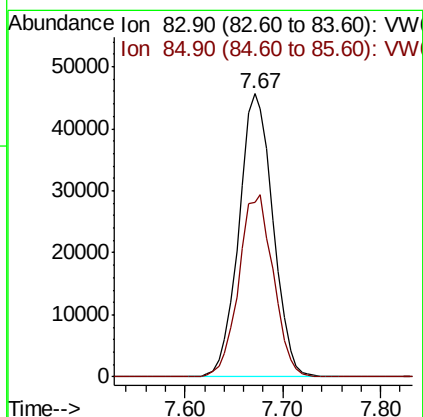
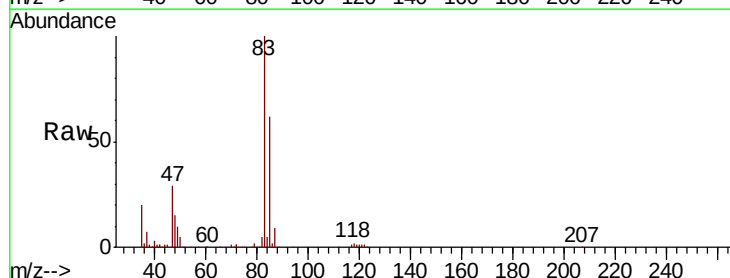
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

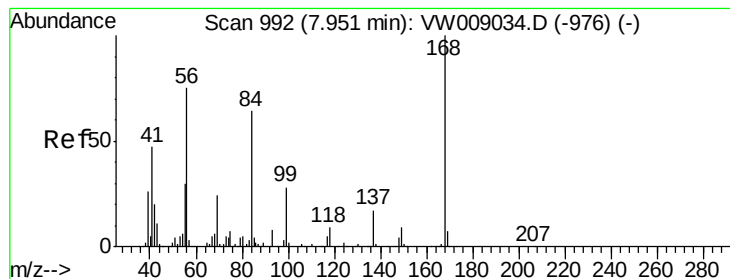
Tgt Ion: 42 Resp: 64766
Ion Ratio Lower Upper
42 100
72 40.4 32.2 48.4
71 37.1 30.7 46.1



#30
Chloroform
Concen: 21.063 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 83 Resp: 110247
Ion Ratio Lower Upper
83 100
85 61.8 53.0 79.6





#31

Cyclohexane

Concen: 19.298 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

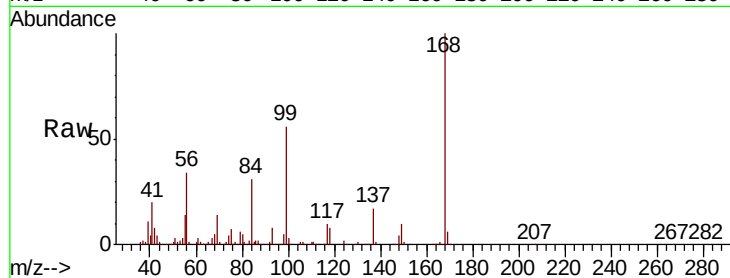
Tgt Ion: 56 Resp: 100739

Ion Ratio Lower Upper

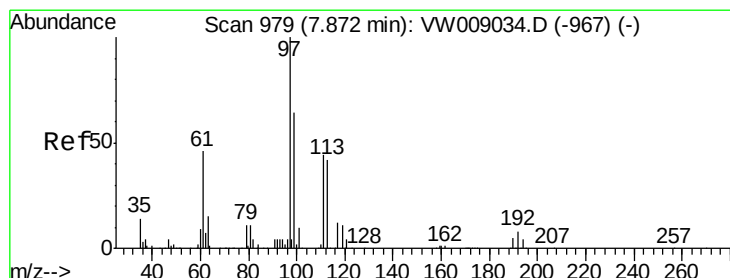
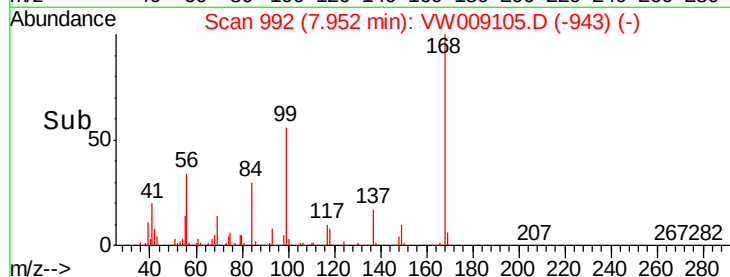
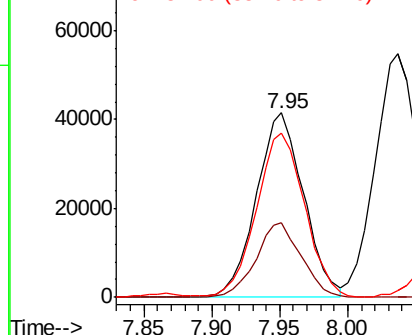
56 100

69 40.6 25.5 38.3#

84 88.2 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 20.146 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

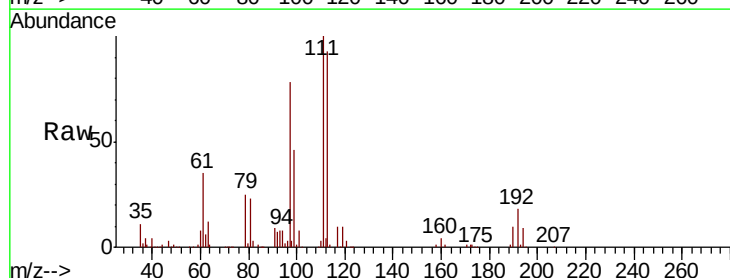
Tgt Ion: 97 Resp: 97315

Ion Ratio Lower Upper

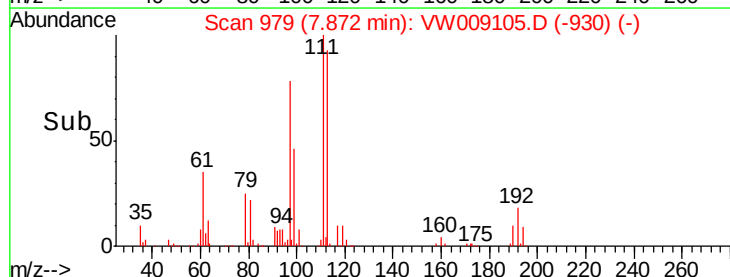
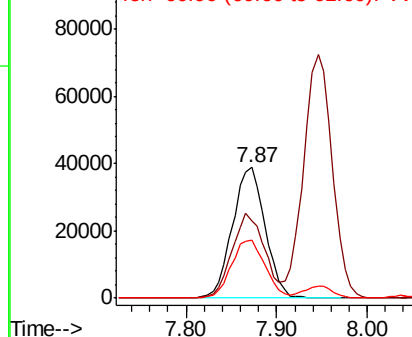
97 100

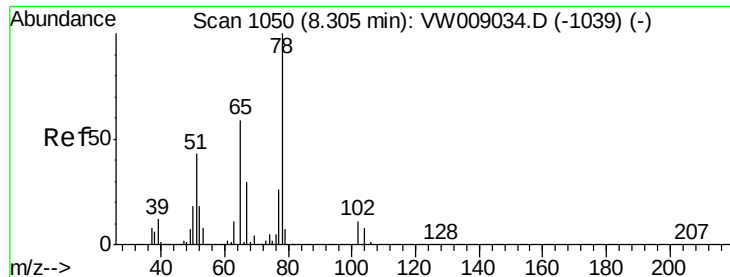
99 64.2 51.8 77.8

61 45.9 37.3 55.9



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

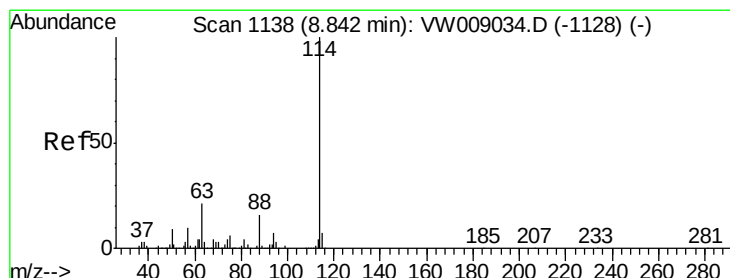
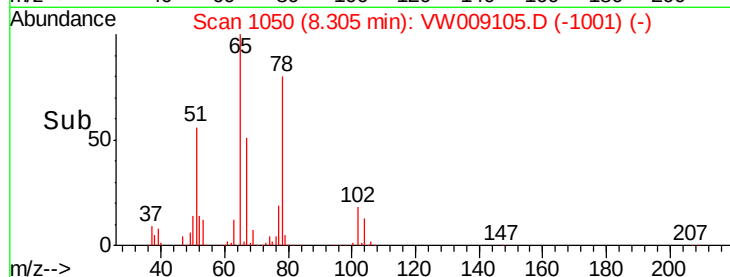
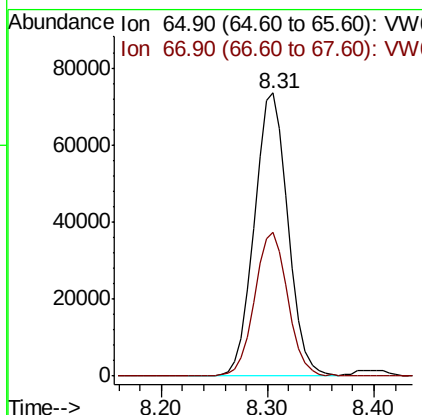
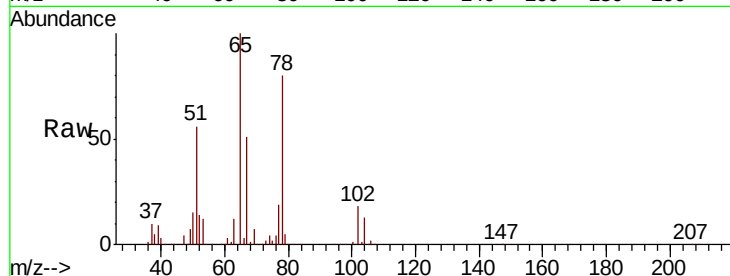




#33
 1,2-Dichloroethane-d4
 Concen: 57.976 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

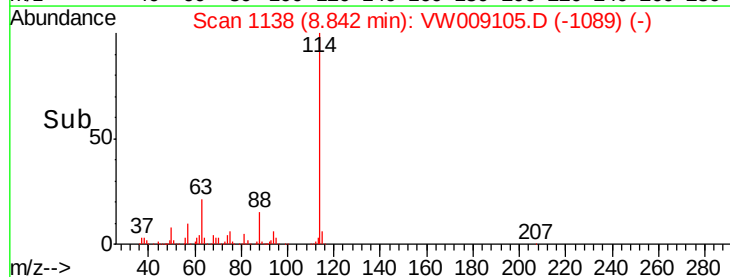
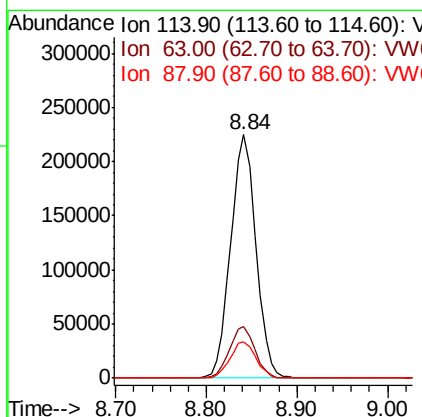
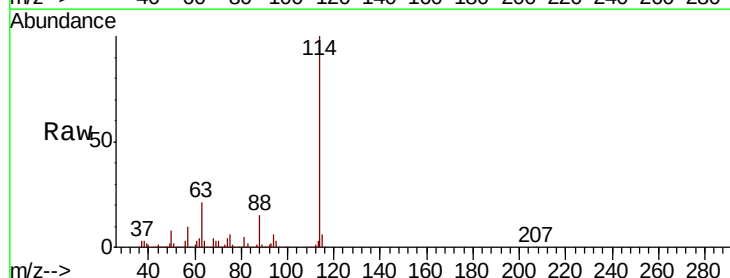
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

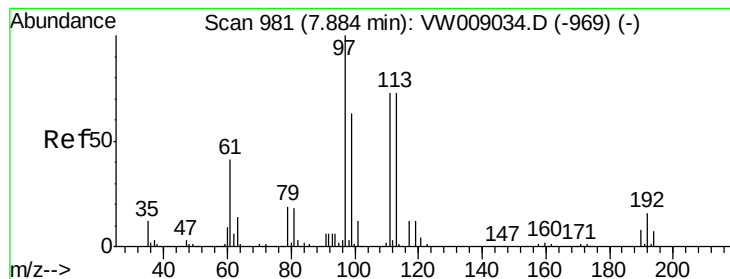
Tgt Ion: 65 Resp: 162287
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion: 114 Resp: 433965
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.2
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

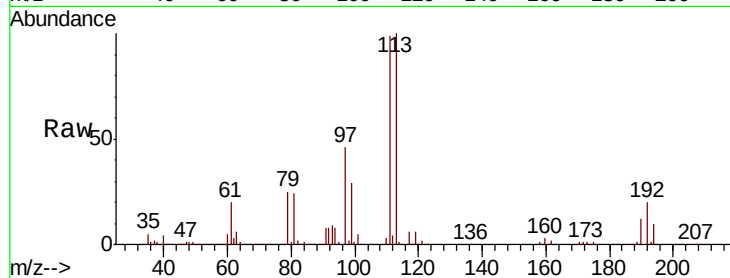
Tgt Ion:113 Resp: 133799

Ion Ratio Lower Upper

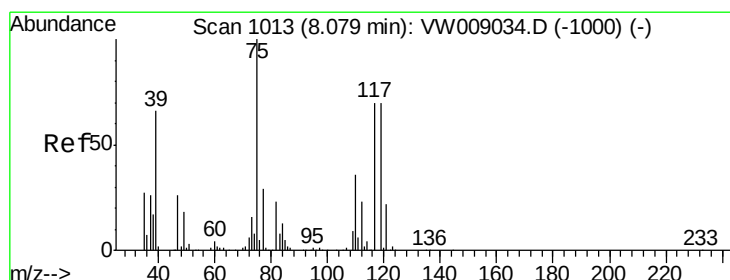
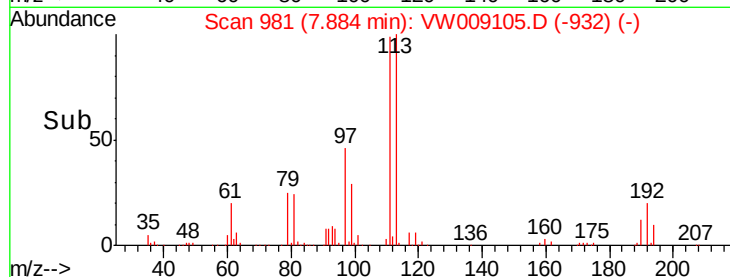
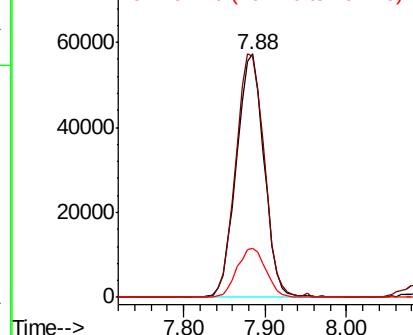
113 100

111 102.5 81.0 121.4

192 21.0 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 18.851 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

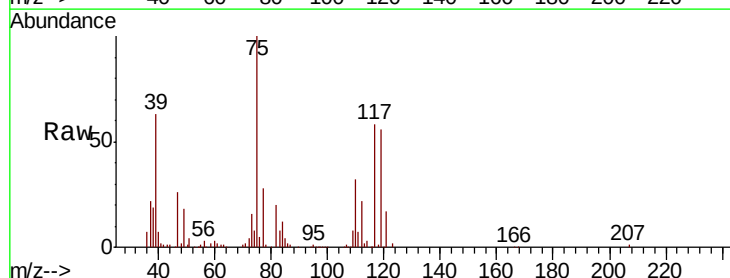
Tgt Ion: 75 Resp: 85538

Ion Ratio Lower Upper

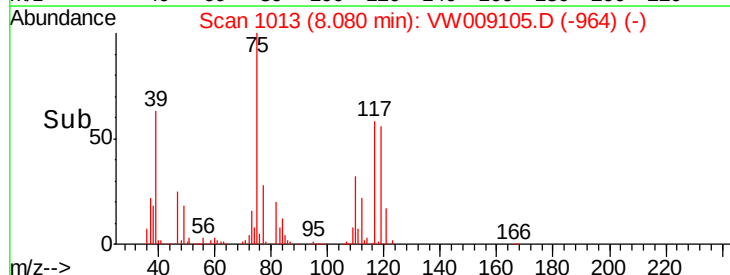
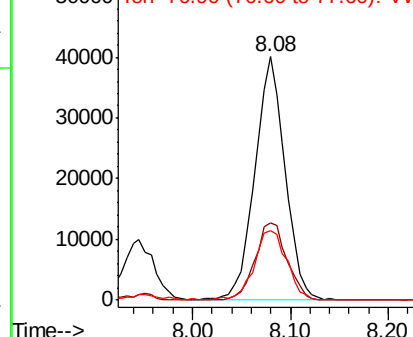
75 100

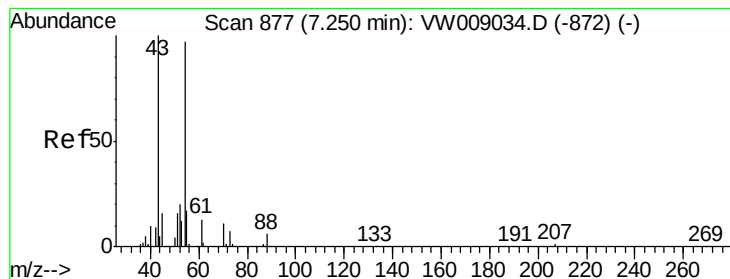
110 33.5 17.6 52.9

77 30.8 25.1 37.7



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





#37

Ethyl Acetate

Concen: 20.495 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

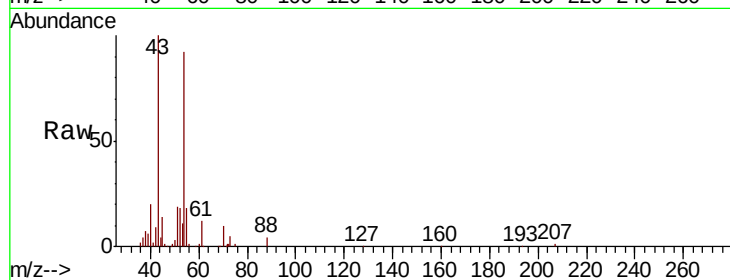
Tgt Ion: 43 Resp: 43682

Ion Ratio Lower Upper

43 100

61 12.8 9.8 14.6

70 10.4 7.2 10.8

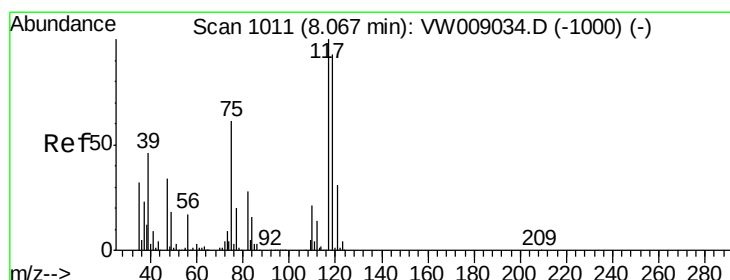
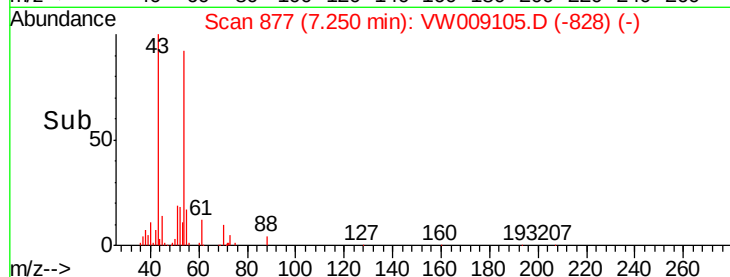
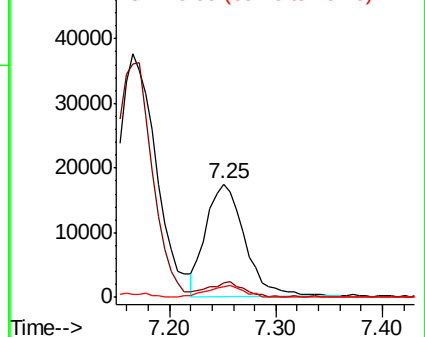


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 18.358 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

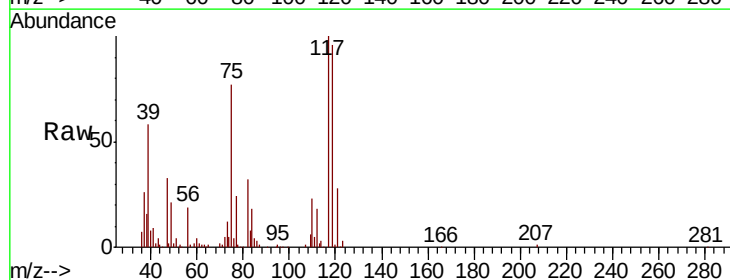
Tgt Ion: 117 Resp: 86028

Ion Ratio Lower Upper

117 100

119 95.6 74.6 112.0

121 28.1 24.7 37.1

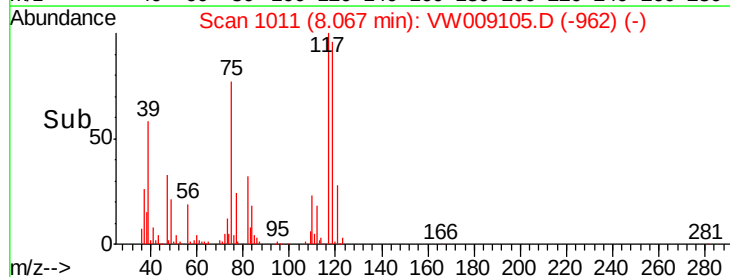
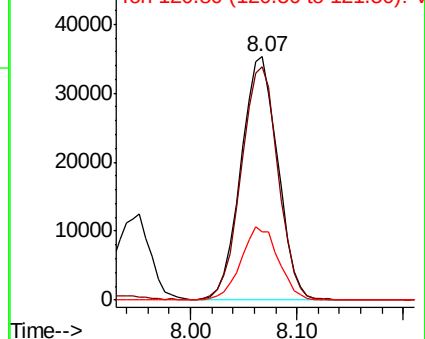


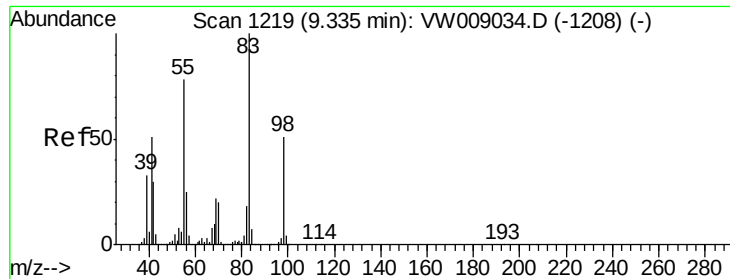
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

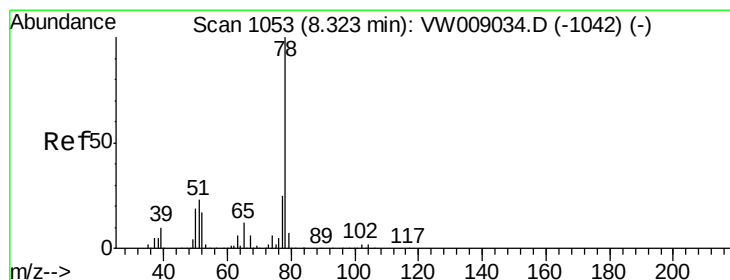
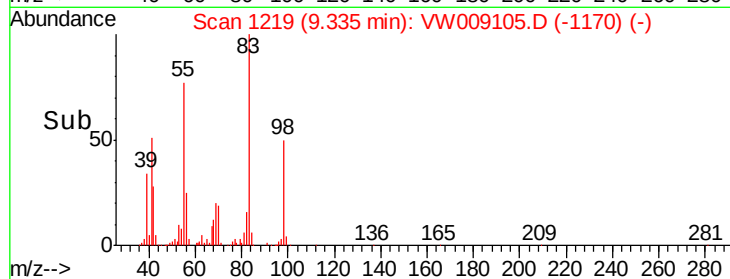
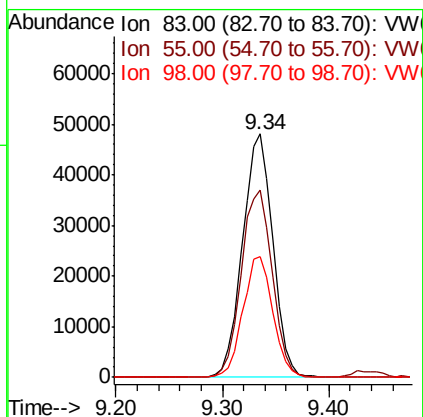
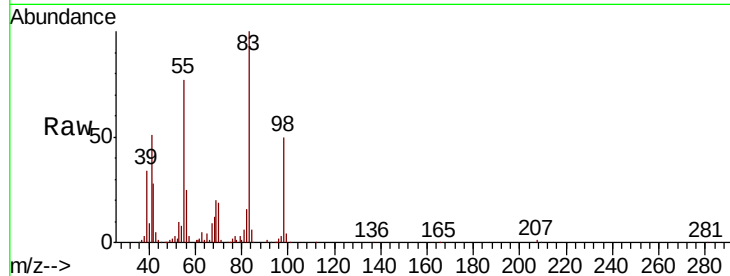




#39
Methylcyclohexane
Concen: 17.814 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

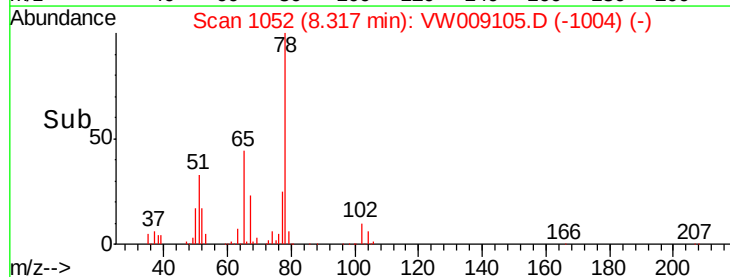
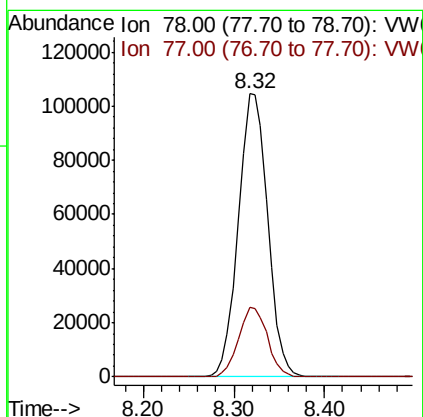
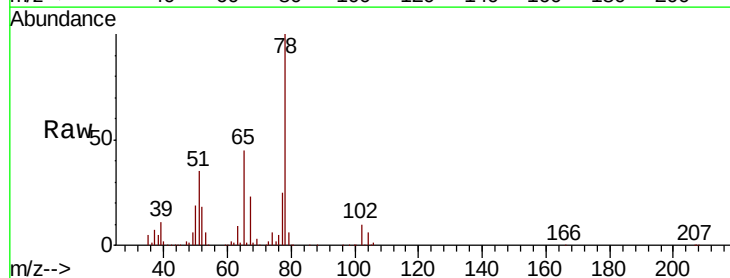
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

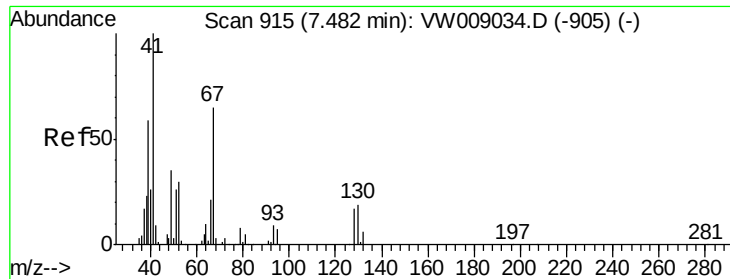
Tgt Ion: 83 Resp: 96279
Ion Ratio Lower Upper
83 100
55 77.1 62.7 94.1
98 49.7 40.8 61.2



#40
Benzene
Concen: 19.382 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 78 Resp: 234769
Ion Ratio Lower Upper
78 100
77 24.7 20.2 30.4

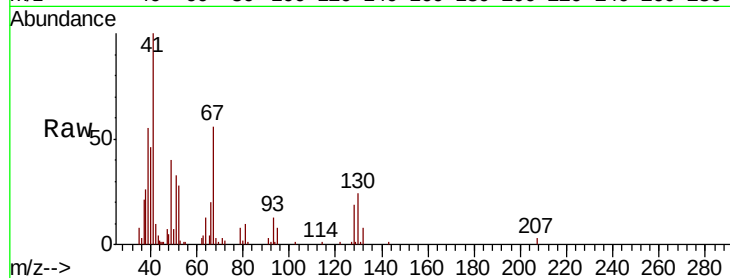




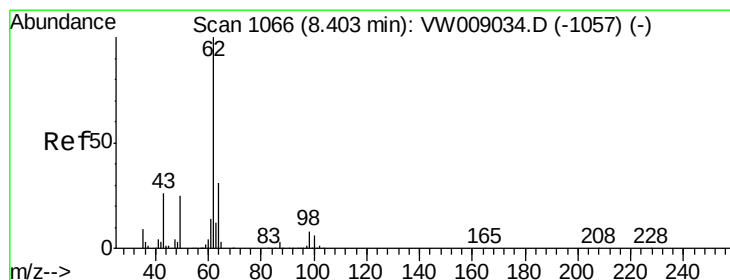
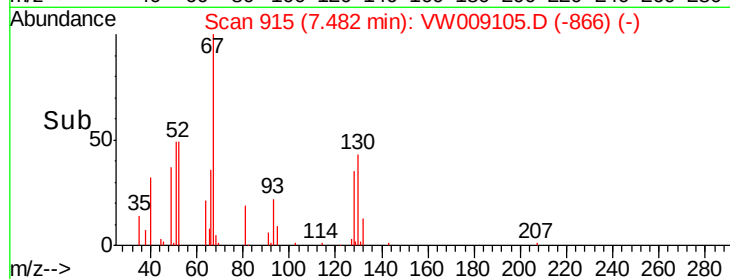
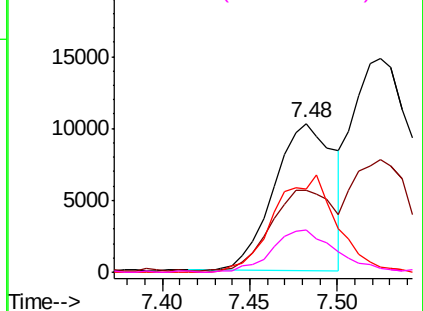
#41
Methacrylonitrile
Concen: 20.705 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tgt Ion:	41	Resp:	24506
Ion	Ratio	Lower	Upper
41	100		
39	57.5	53.6	80.4
67	68.6	57.6	86.4
52	30.6	26.0	39.0

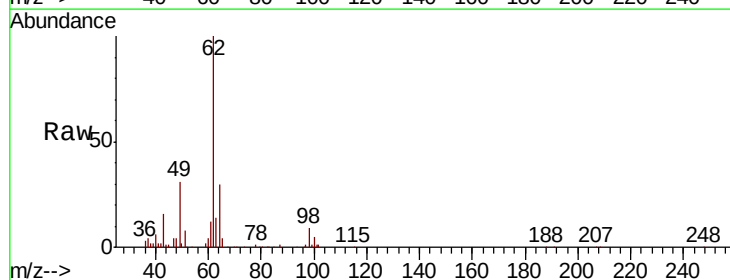


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

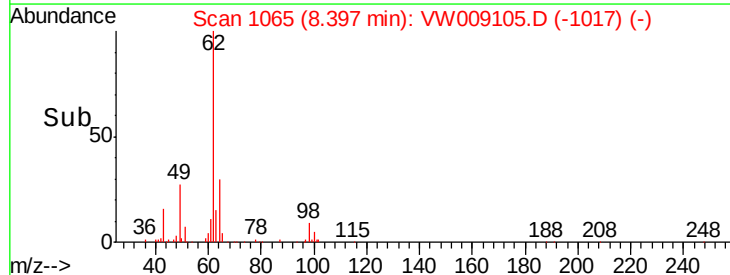
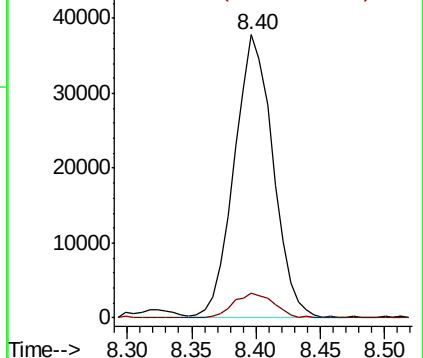


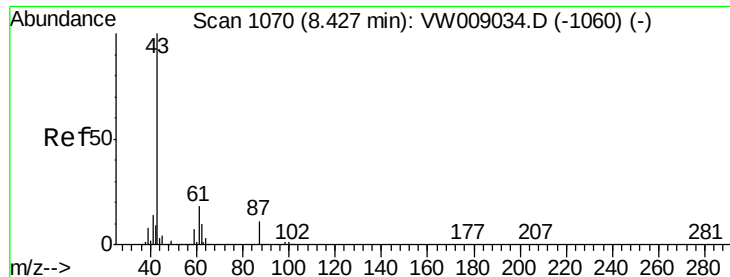
#42
1,2-Dichloroethane
Concen: 20.076 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion:	62	Resp:	78510
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.978 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

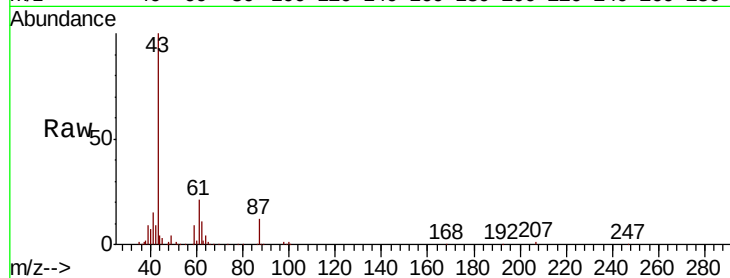
Tgt Ion: 43 Resp: 83274

Ion Ratio Lower Upper

43 100

61 27.2 22.8 34.2

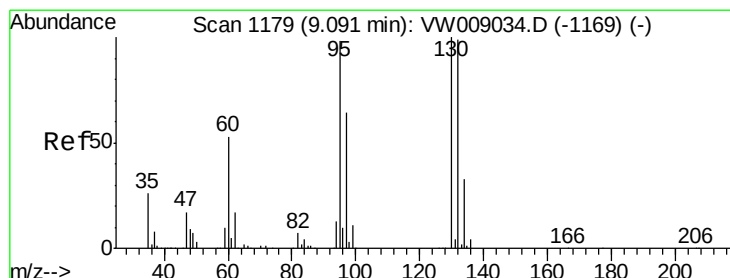
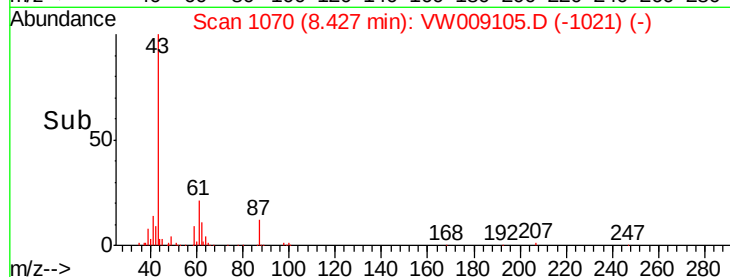
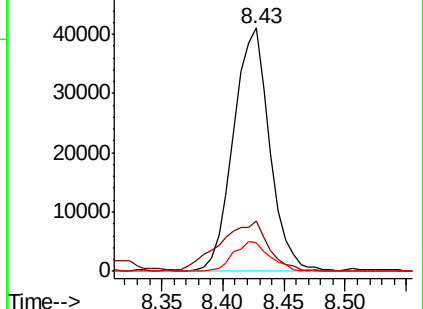
87 12.4 9.4 14.2



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: 18.896 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009105.D

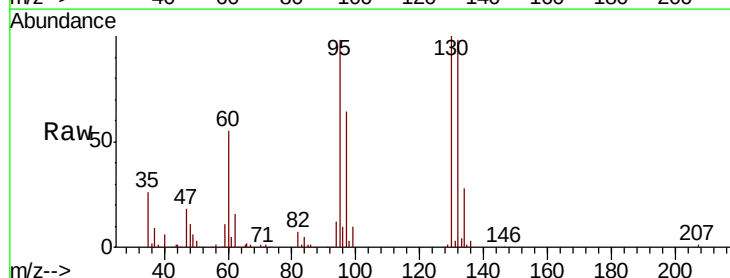
Acq: 12 Mar 2019 01:17

Tgt Ion: 130 Resp: 64151

Ion Ratio Lower Upper

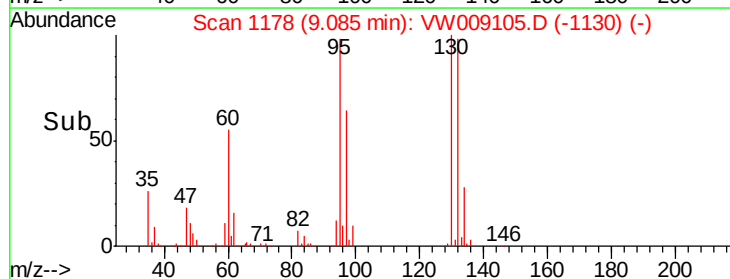
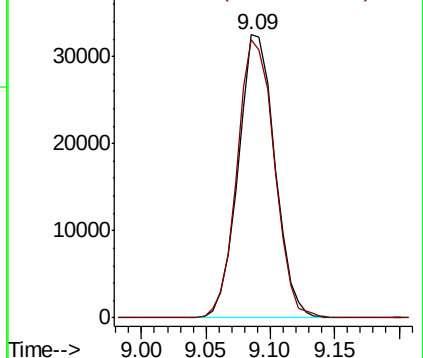
130 100

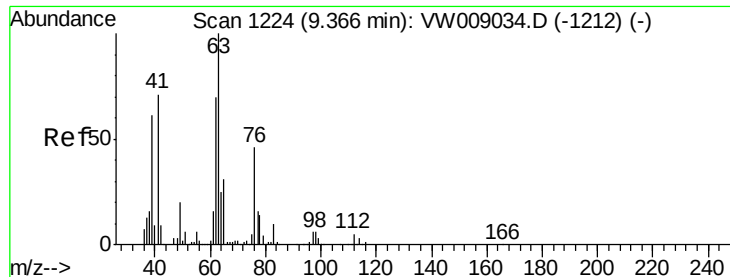
95 98.4 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.346 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

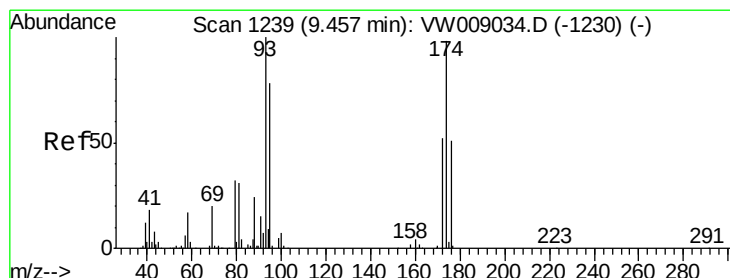
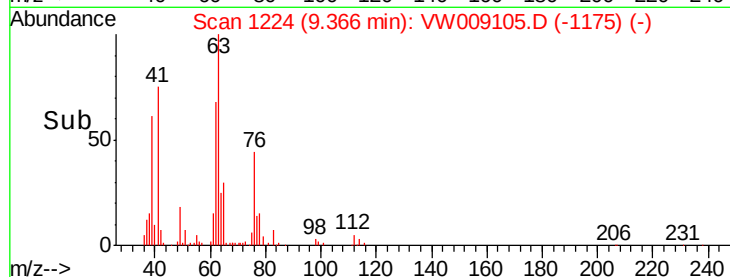
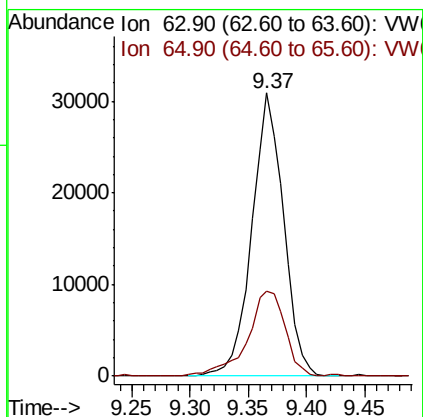
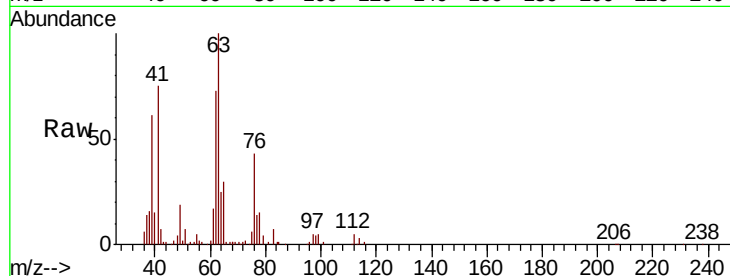
VW0311SBS02

Tgt Ion: 63 Resp: 58692

Ion Ratio Lower Upper

63 100

65 29.6 24.9 37.3



#46

Dibromomethane

Concen: 20.197 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

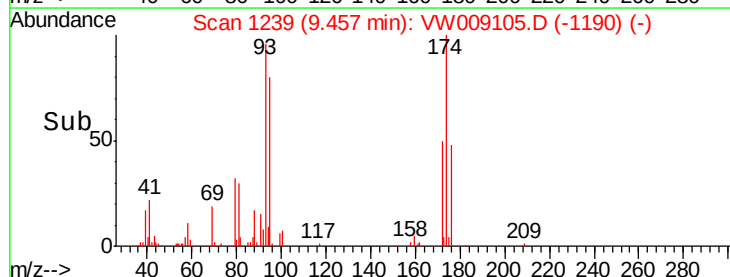
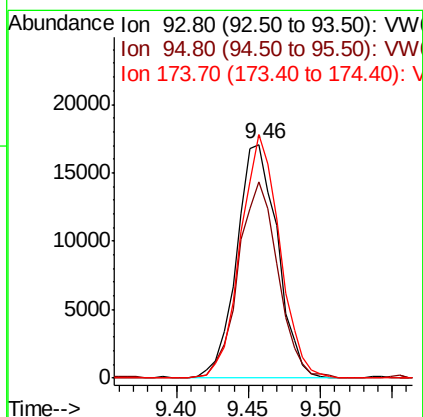
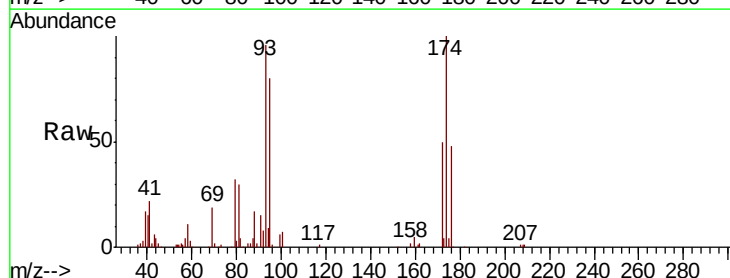
Tgt Ion: 93 Resp: 33463

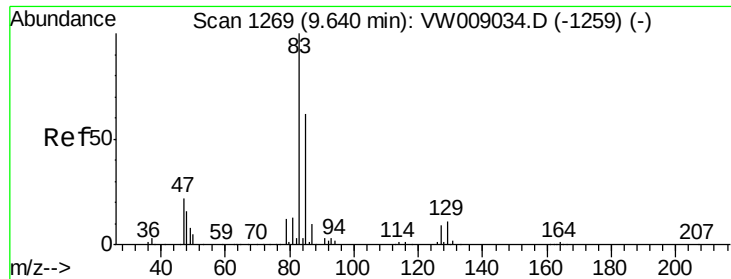
Ion Ratio Lower Upper

93 100

95 82.0 65.0 97.6

174 99.9 81.8 122.6

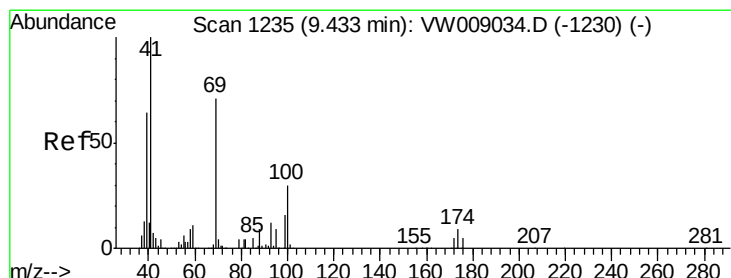
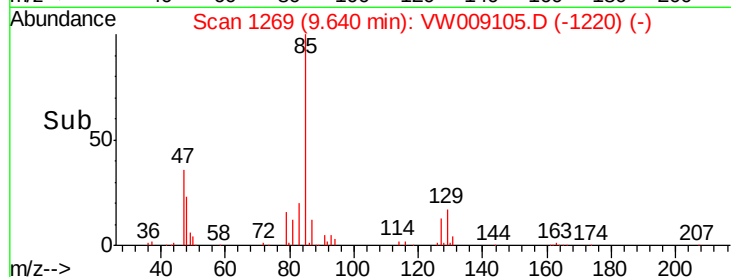
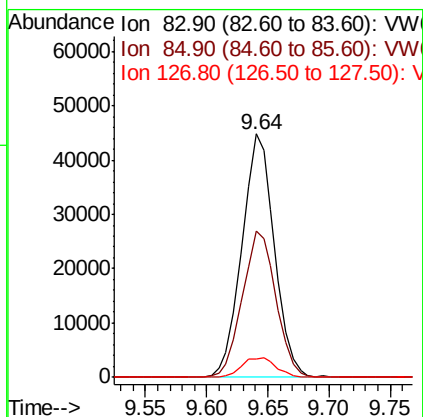
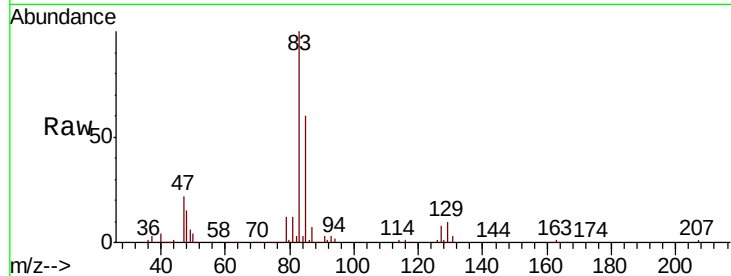




#47
Bromodichloromethane
Concen: 19.694 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

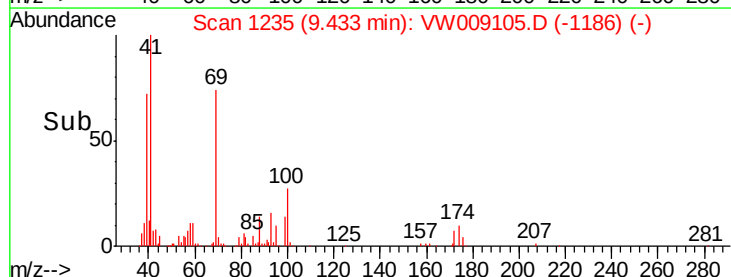
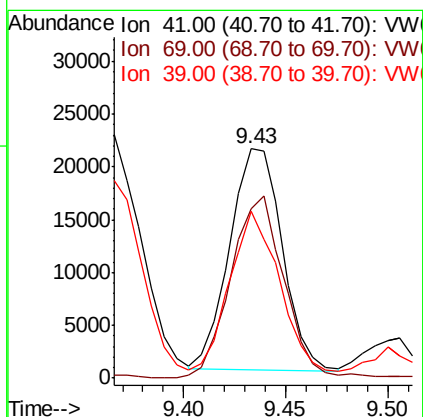
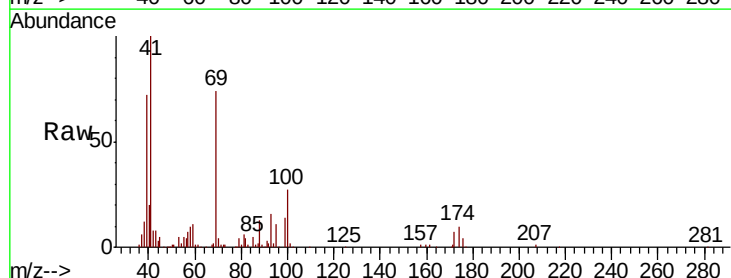
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

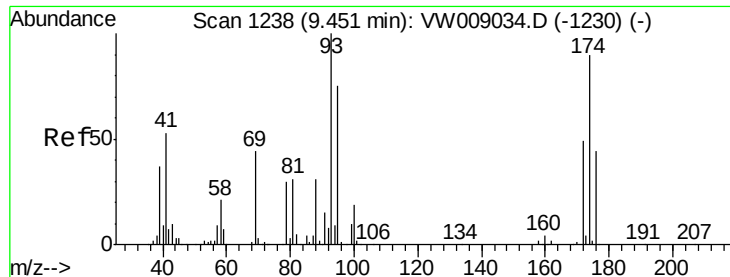
Tgt Ion: 83 Resp: 82600
Ion Ratio Lower Upper
83 100
85 60.4 49.9 74.9
127 7.8 7.1 10.7



#48
Methyl methacrylate
Concen: 20.192 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 41 Resp: 37323
Ion Ratio Lower Upper
41 100
69 84.3 59.1 88.7
39 74.7 48.9 73.3#





#49

1,4-Dioxane

Concen: 444.453 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

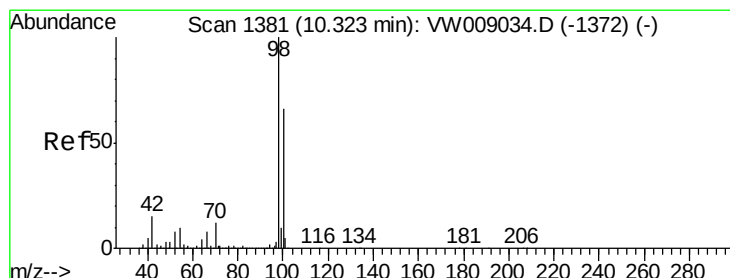
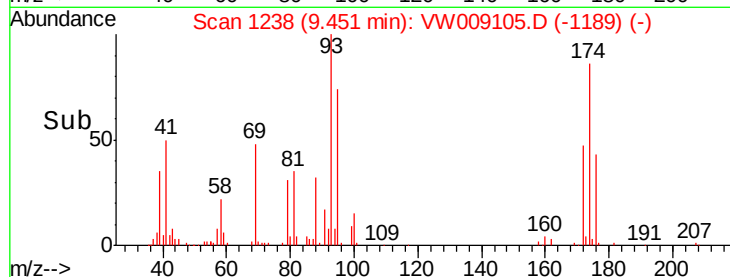
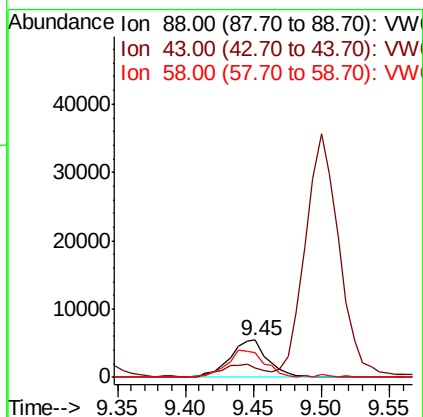
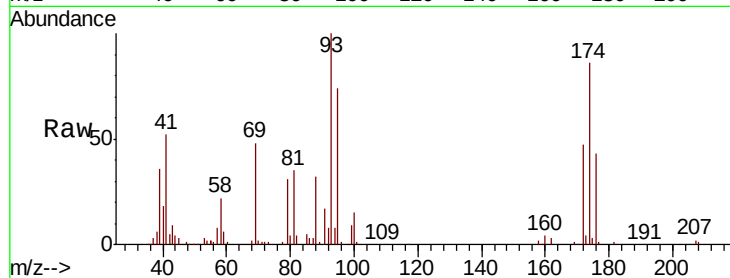
Tgt Ion: 88 Resp: 10545

Ion Ratio Lower Upper

88 100

43 38.6 29.0 43.4

58 72.9 59.2 88.8



#50

Toluene-d8

Concen: 50.549 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009105.D

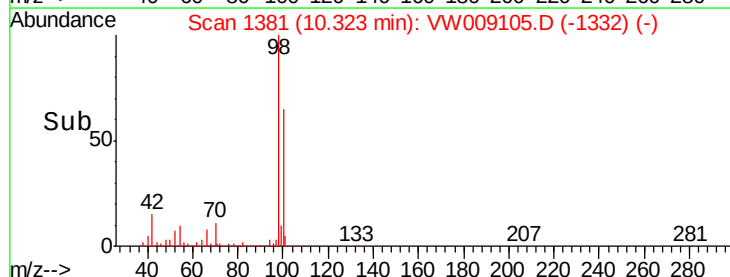
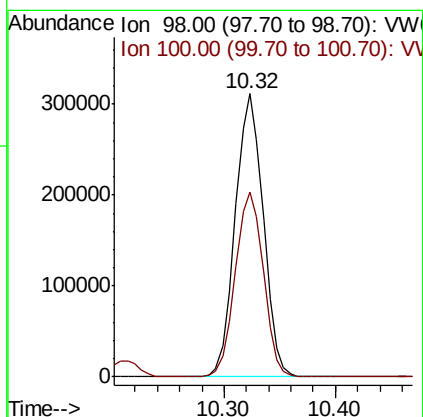
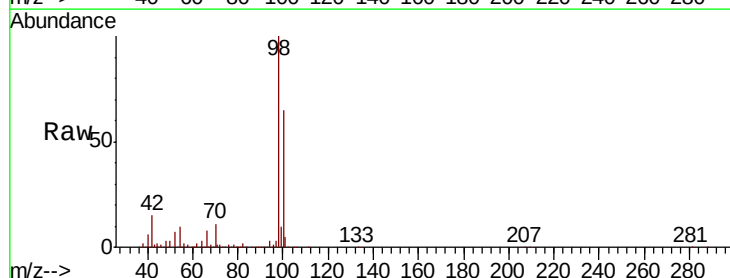
Acq: 12 Mar 2019 01:17

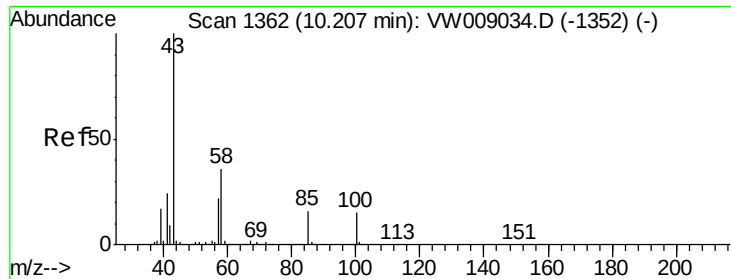
Tgt Ion: 98 Resp: 542465

Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9

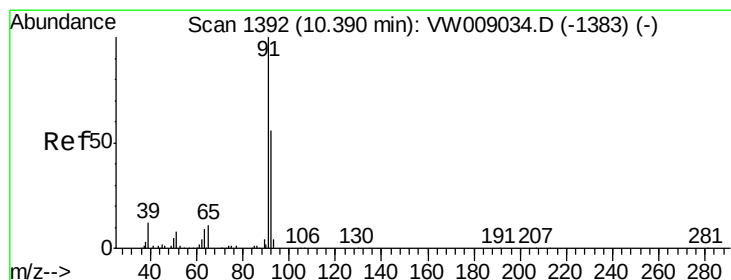
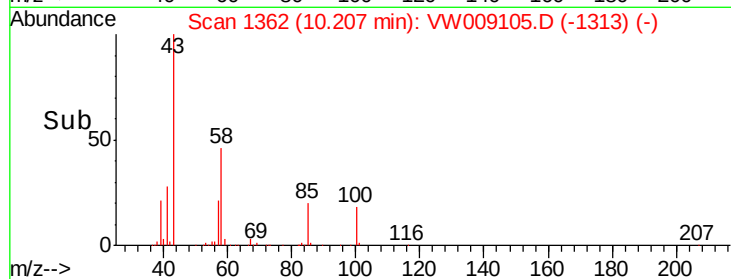
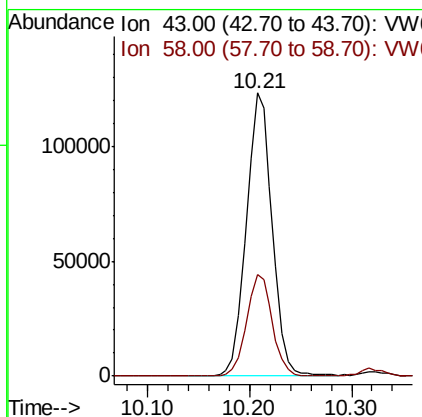
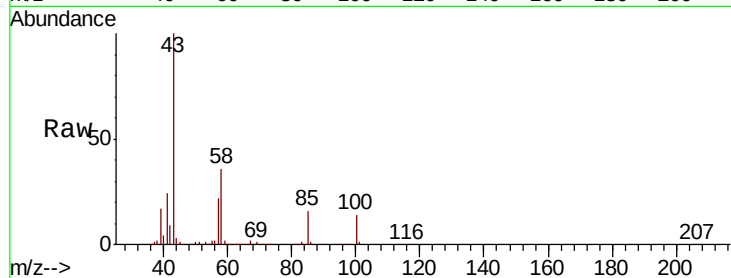




#51
 4-Methyl-2-Pentanone
 Concen: 107.166 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

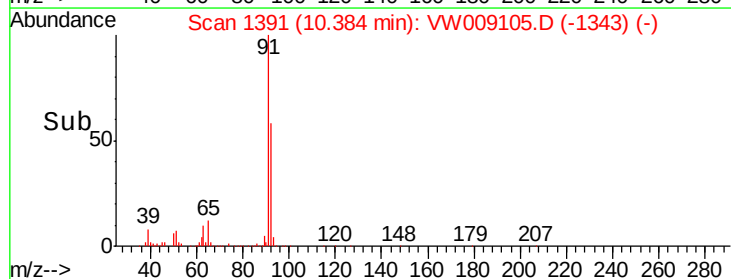
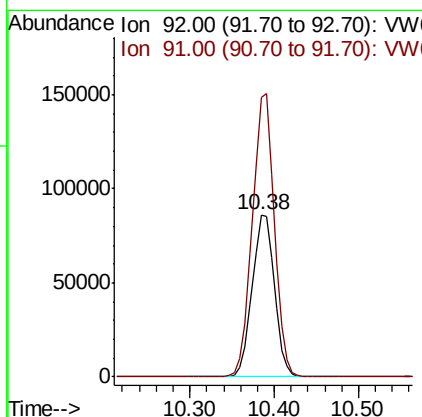
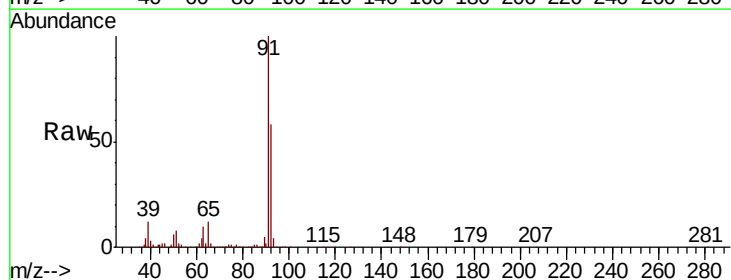
Instrument :
 MSVOA_W
 ClientSampled :
 VW0311SBS02

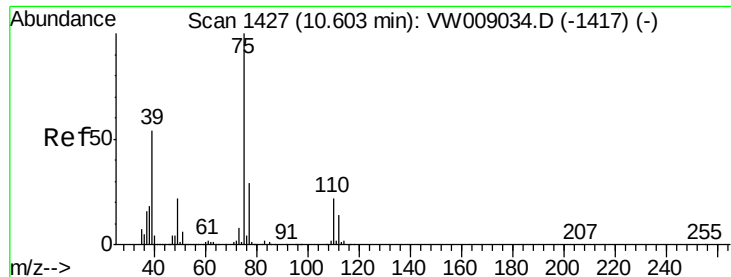
Tgt Ion: 43 Resp: 215967
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.8 43.2



#52
 Toluene
 Concen: 18.797 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion: 92 Resp: 154413
 Ion Ratio Lower Upper
 92 100
 91 172.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.635 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

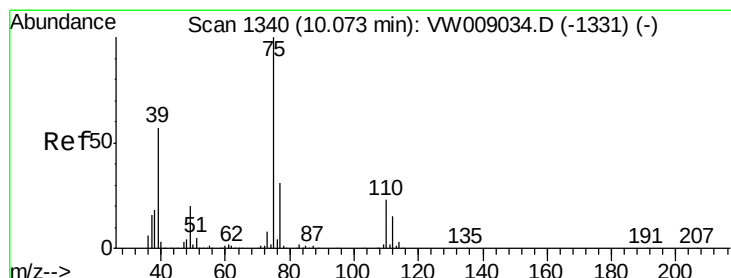
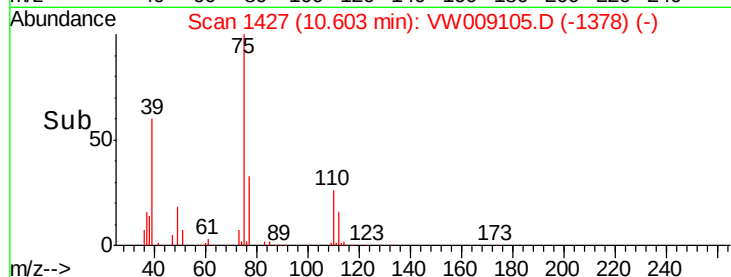
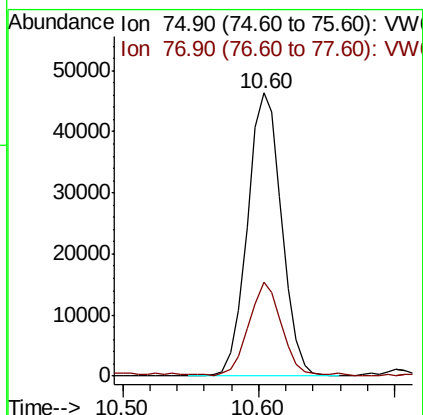
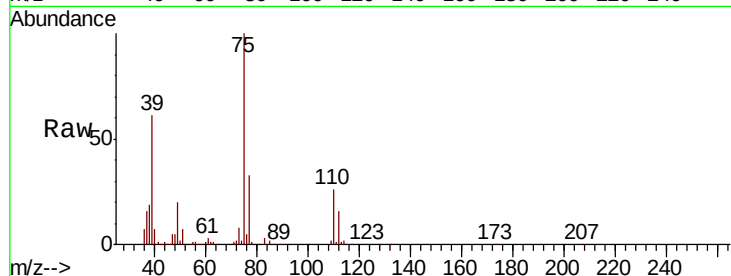
VW0311SBS02

Tgt Ion: 75 Resp: 81447

Ion Ratio Lower Upper

75 100

77 32.8 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 19.468 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

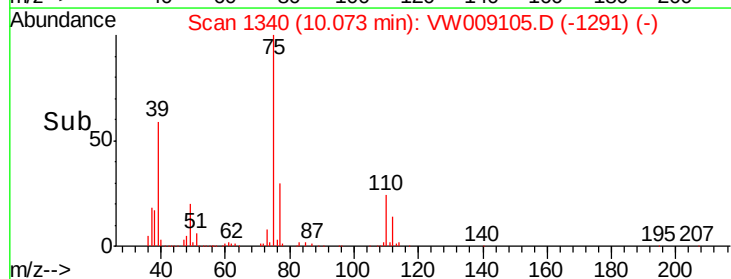
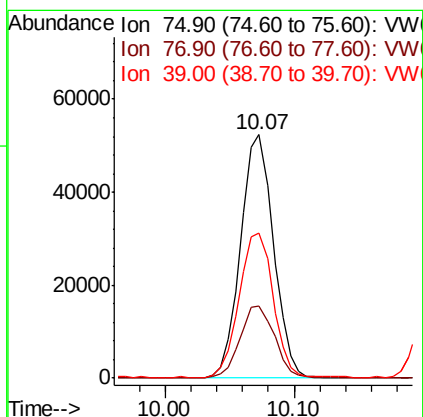
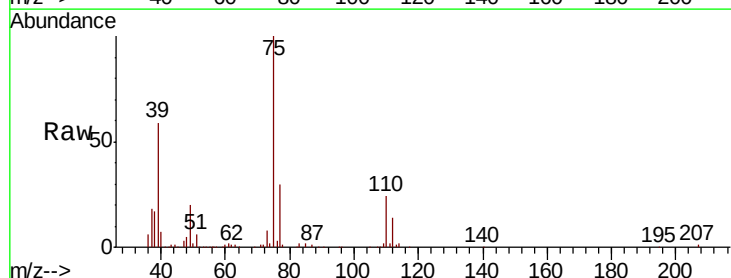
Tgt Ion: 75 Resp: 92803

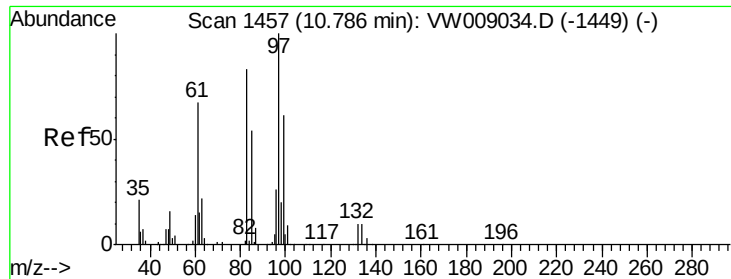
Ion Ratio Lower Upper

75 100

77 29.5 24.6 36.8

39 59.2 45.9 68.9

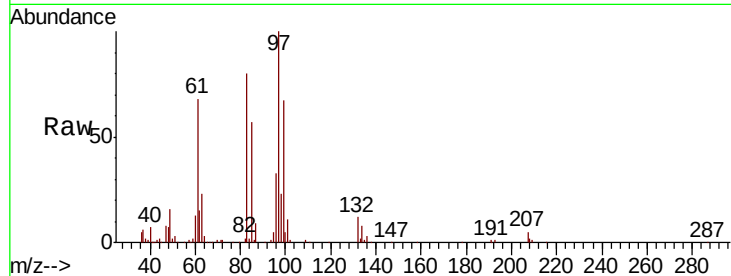




#55
 1,1,2-Trichloroethane
 Concen: 20.333 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tgt Ion:	97	Resp:	45661
Ion	Ratio	Lower	Upper
97	100		
83	79.6	66.2	99.2
85	57.2	43.6	65.4
99	67.0	49.0	73.4



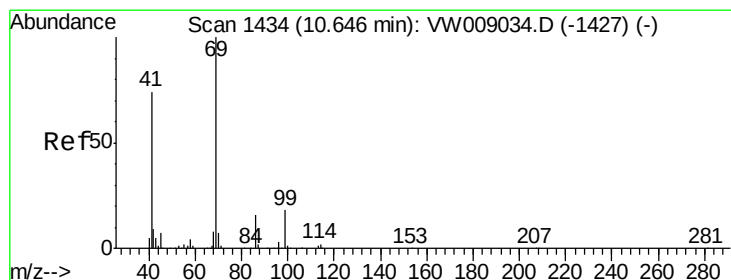
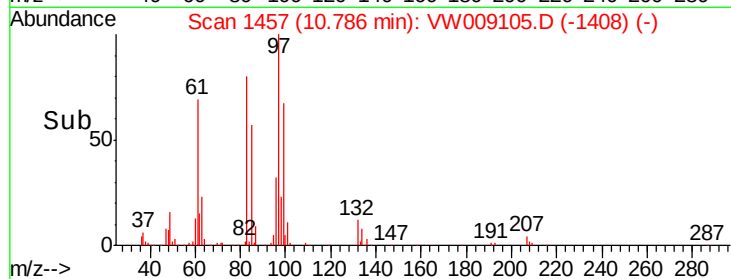
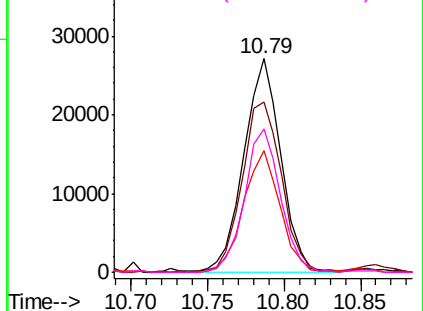
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

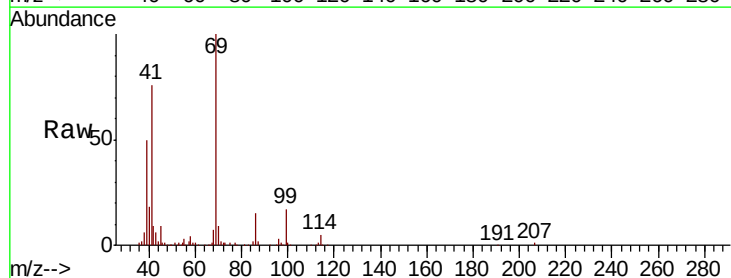
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.561 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion:	69	Resp:	57306
Ion	Ratio	Lower	Upper
69	100		
41	74.5	59.4	89.2
39	45.9	38.5	57.7

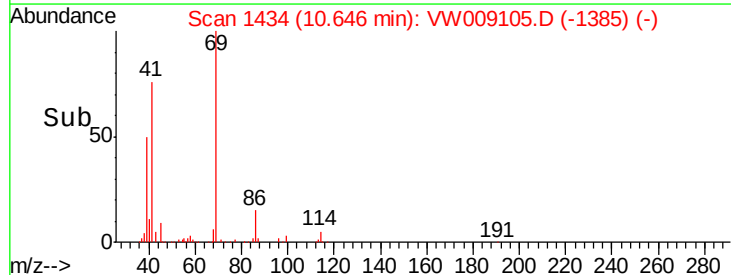
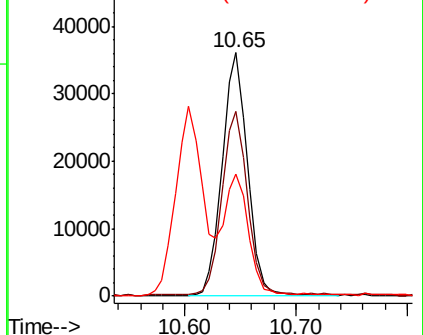


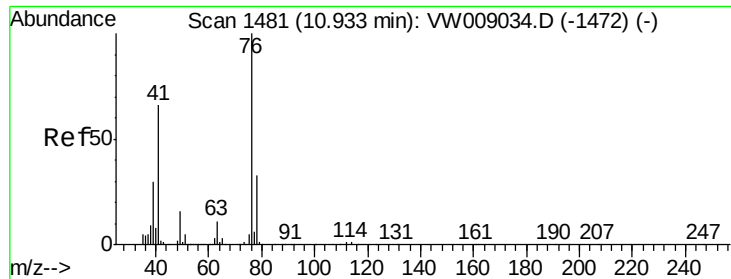
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

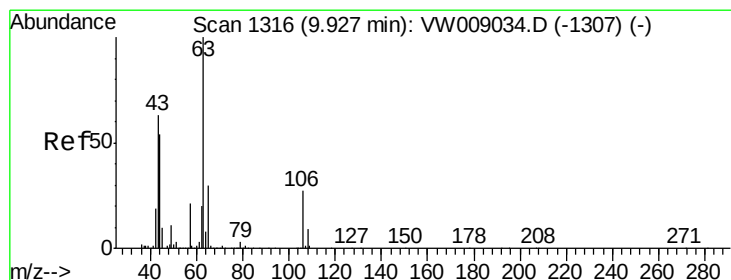
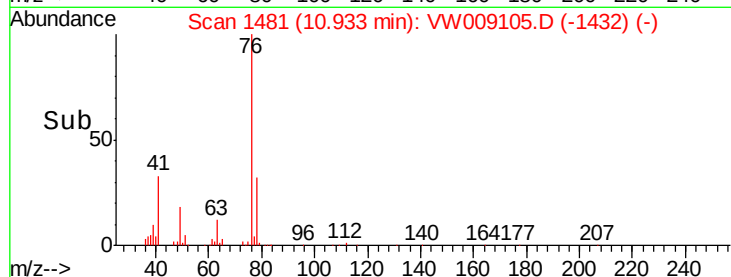
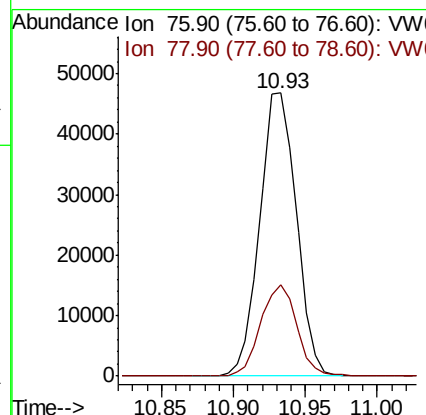
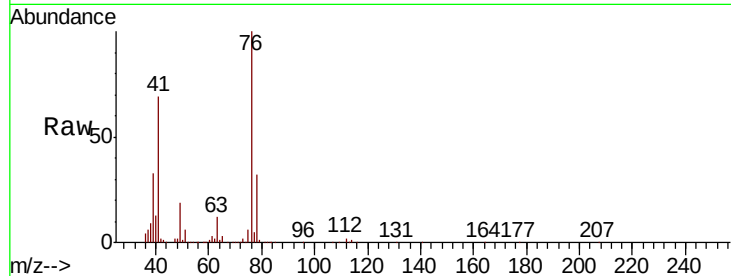




#57
 1,3-Dichloropropane
 Concen: 20.728 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

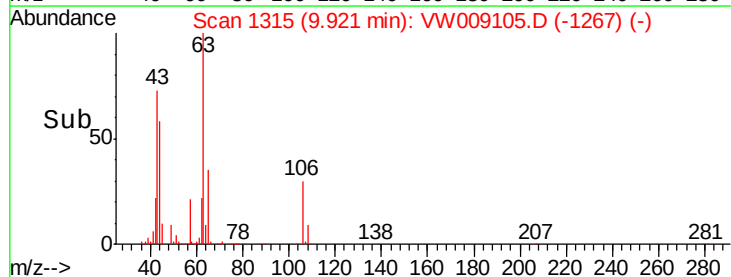
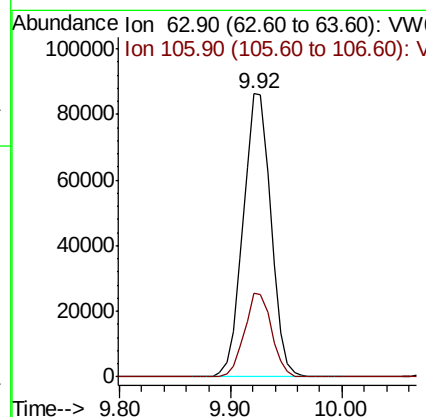
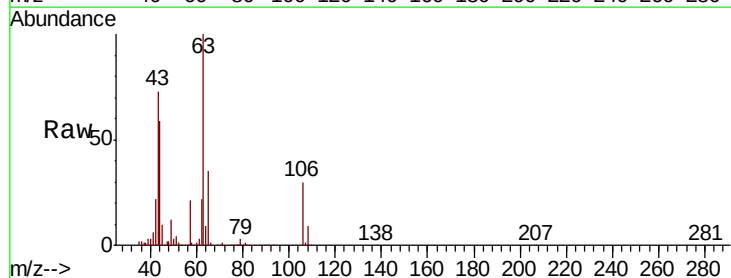
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

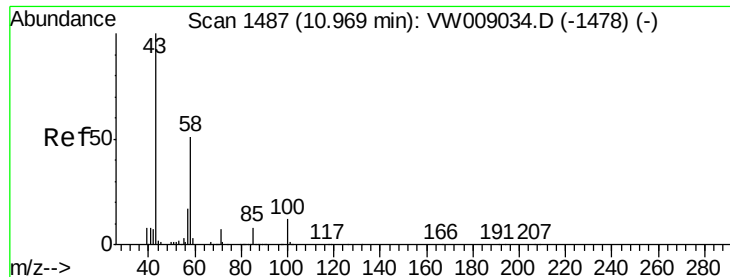
Tgt Ion: 76 Resp: 82461
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.582 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion: 63 Resp: 149660
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.0 34.6





#59

2-Hexanone

Concen: 105.643 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

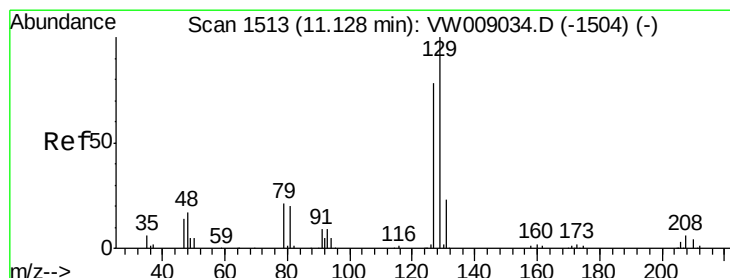
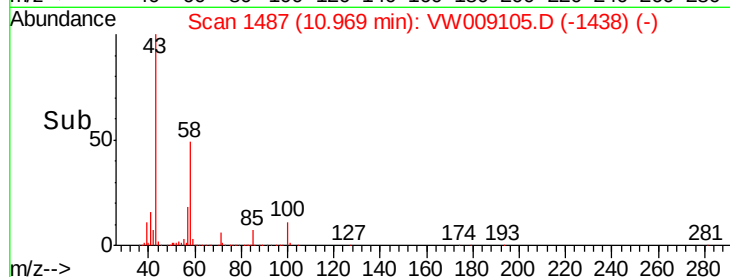
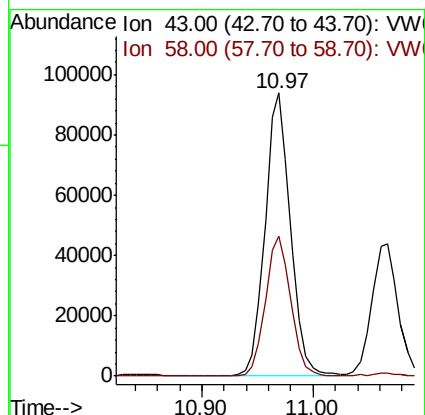
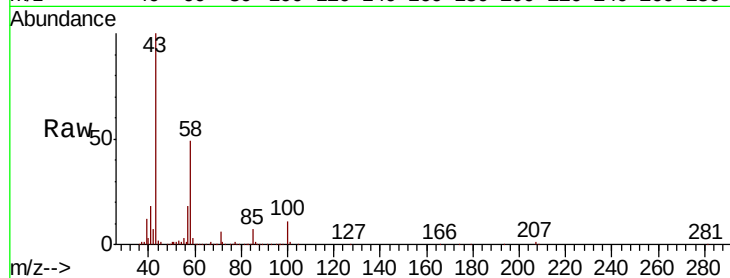
VW0311SBS02

Tgt Ion: 43 Resp: 149684

Ion Ratio Lower Upper

43 100

58 49.2 25.3 75.9



#60

Dibromochloromethane

Concen: 19.458 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009105.D

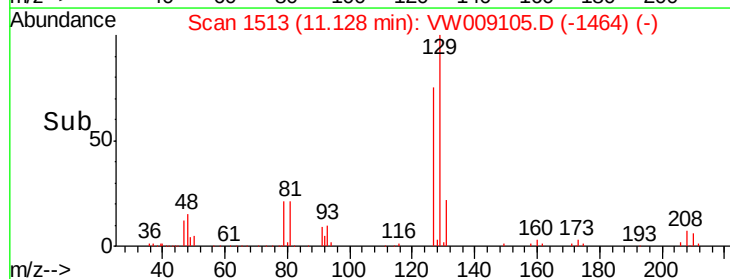
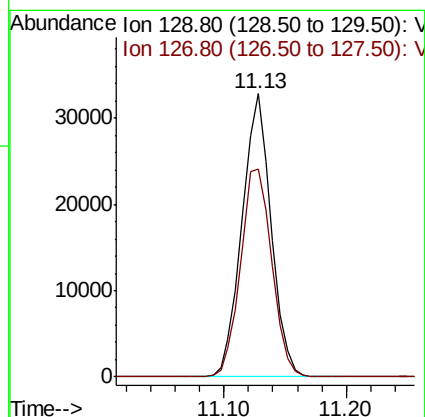
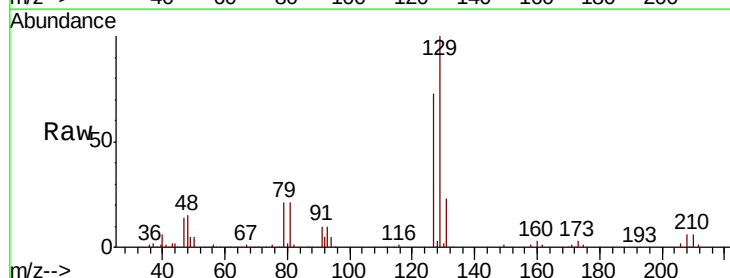
Acq: 12 Mar 2019 01:17

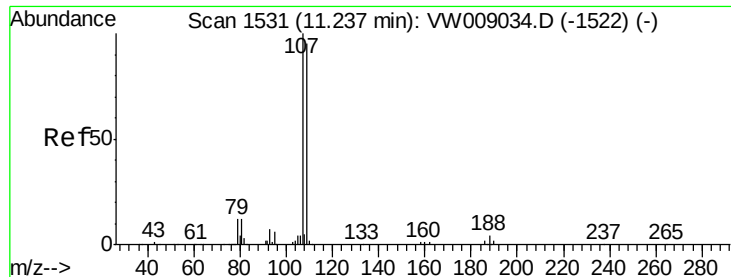
Tgt Ion: 129 Resp: 54075

Ion Ratio Lower Upper

129 100

127 79.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.941 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

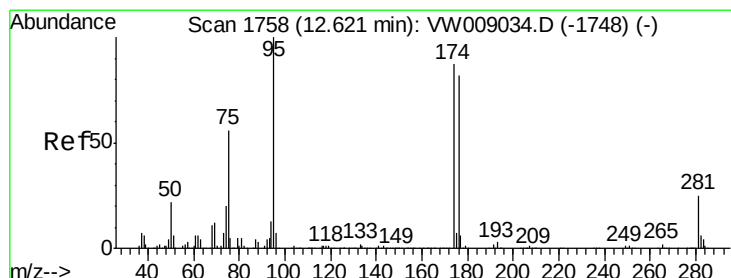
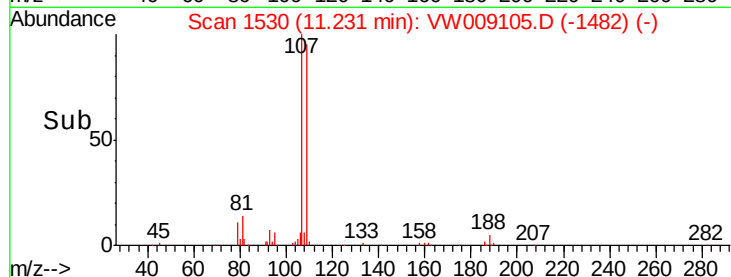
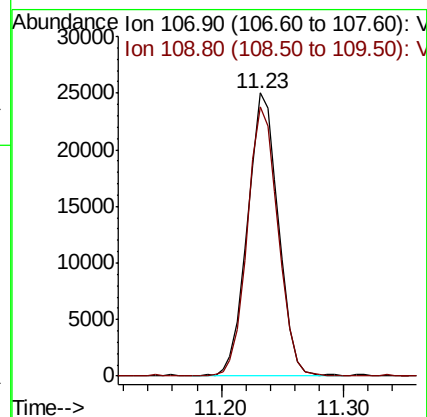
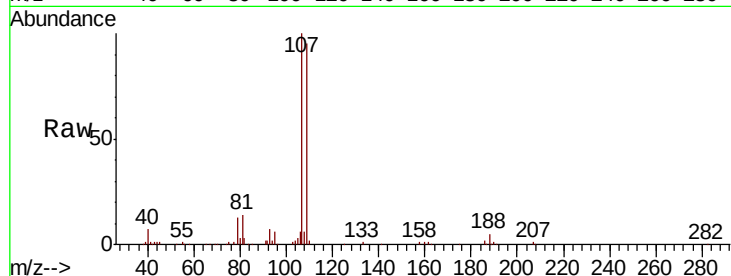
VW0311SBS02

Tgt Ion: 107 Resp: 43899

Ion Ratio Lower Upper

107 100

109 94.6 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 50.668 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

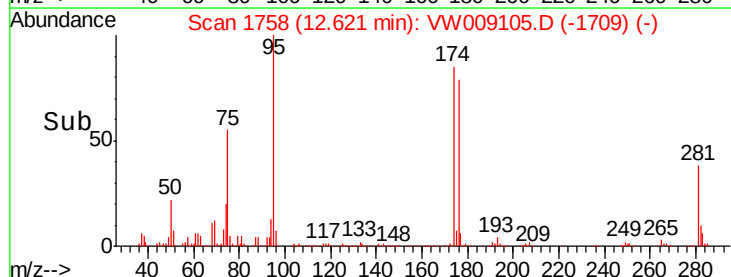
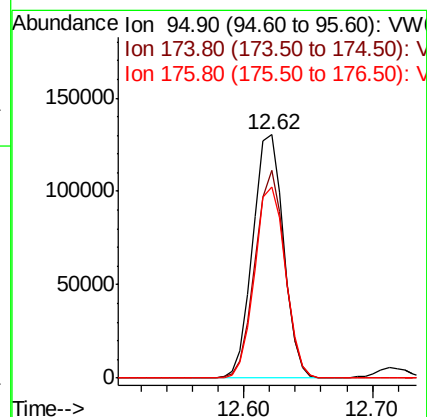
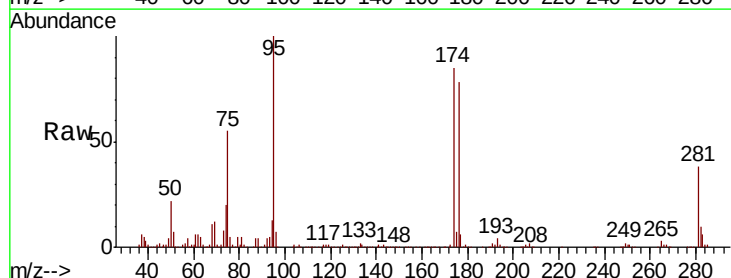
Tgt Ion: 95 Resp: 214050

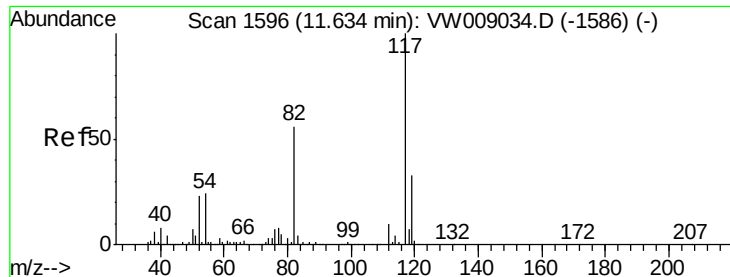
Ion Ratio Lower Upper

95 100

174 82.4 0.0 167.0

176 78.9 0.0 159.4

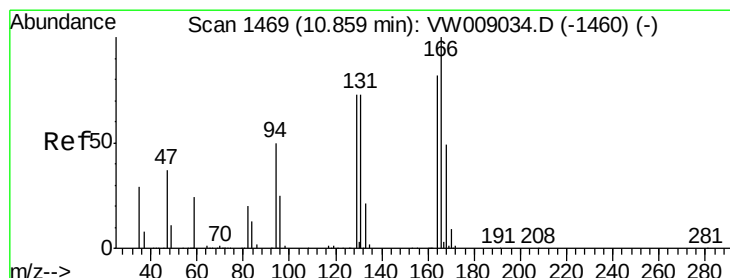
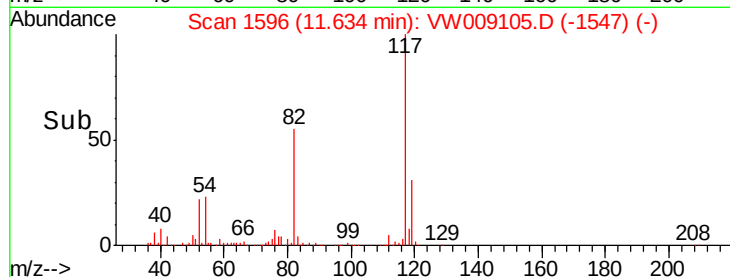
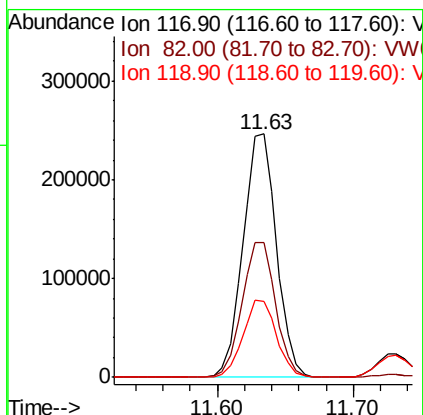
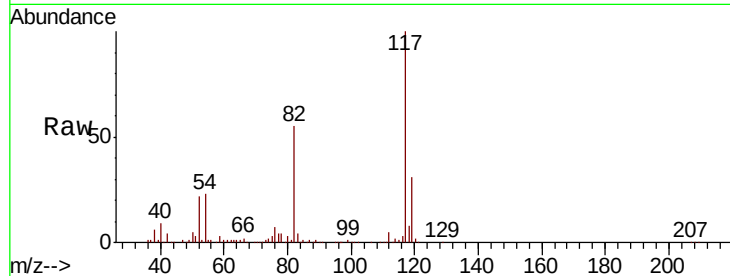




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

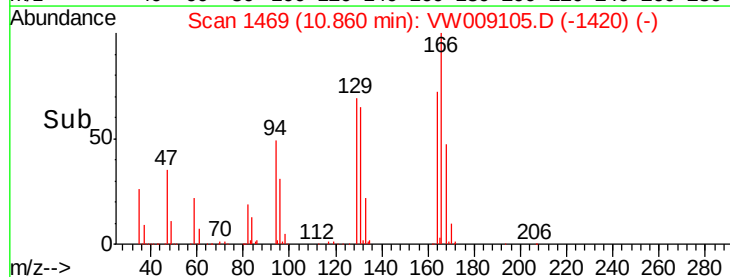
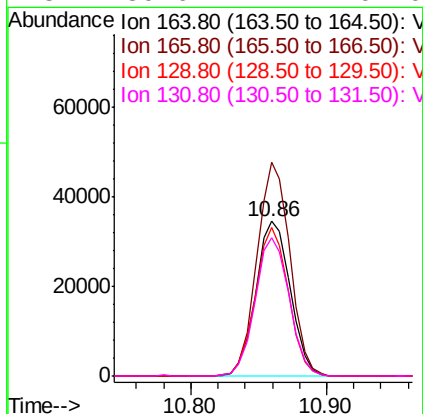
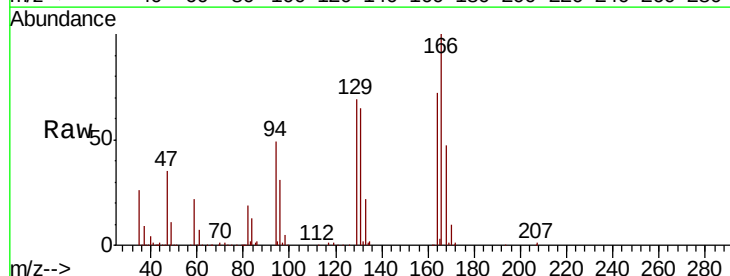
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

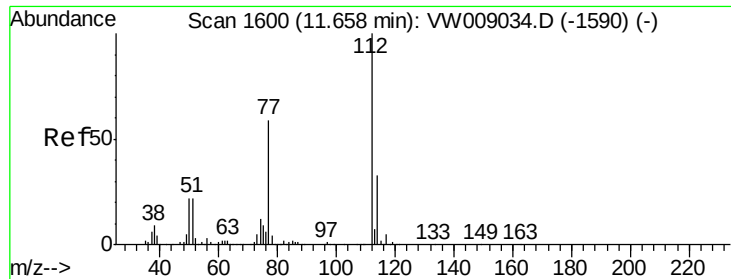
Tgt Ion:117 Resp: 422839
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.6
119 31.4 26.6 39.8



#64
Tetrachloroethene
Concen: 20.155 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion:164 Resp: 61459
Ion Ratio Lower Upper
164 100
166 138.3 97.8 146.6
129 96.1 71.6 107.4
131 89.6 71.4 107.0





#65

Chlorobenzene

Concen: 19.245 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

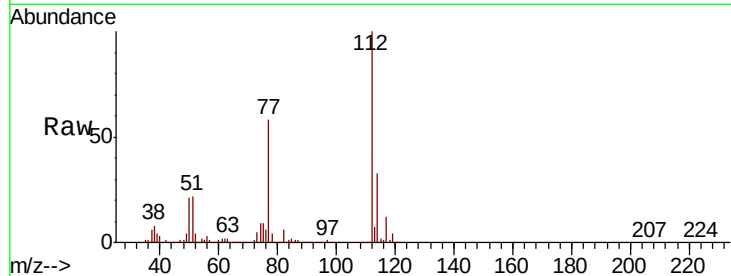
VW0311SBS02

Tgt Ion:112 Resp: 177125

Ion Ratio Lower Upper

112 100

114 32.6 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

120000

100000

80000

60000

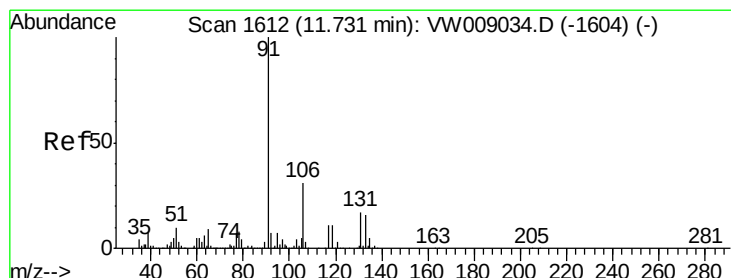
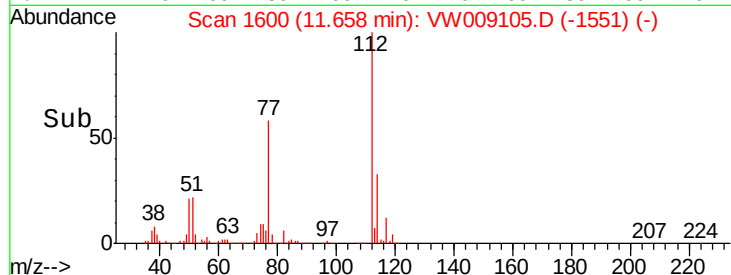
40000

20000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 19.030 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

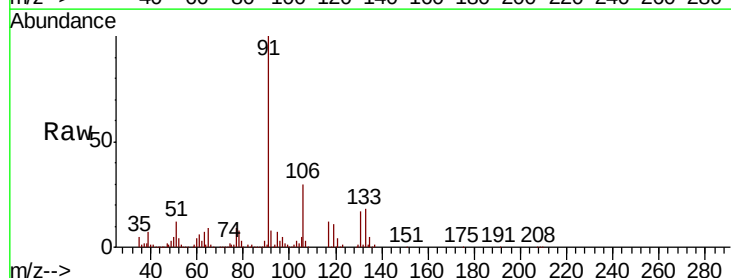
Tgt Ion:131 Resp: 58481

Ion Ratio Lower Upper

131 100

133 97.4 47.6 142.8

119 65.9 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

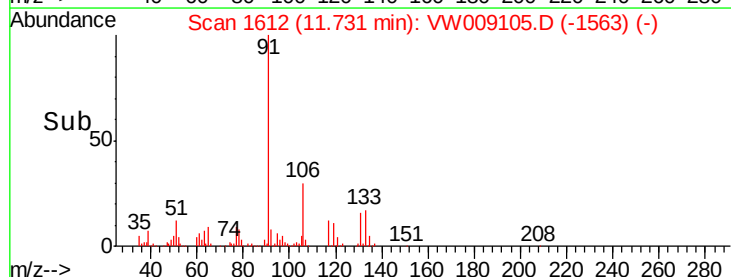
40000

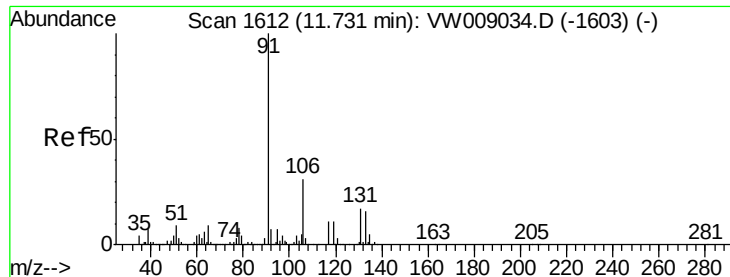
20000

0

Time-->

11.70 11.80

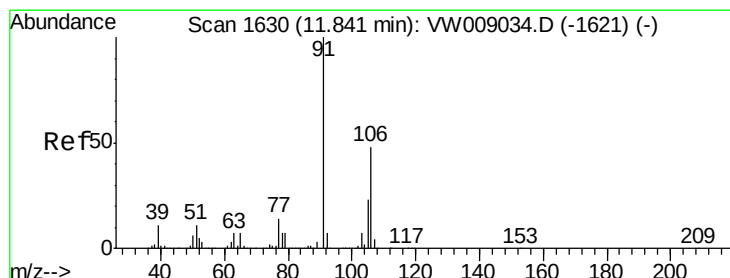
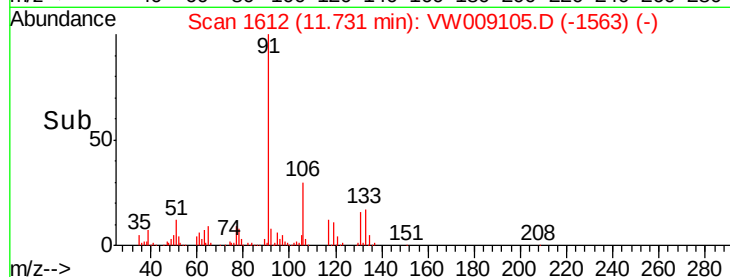
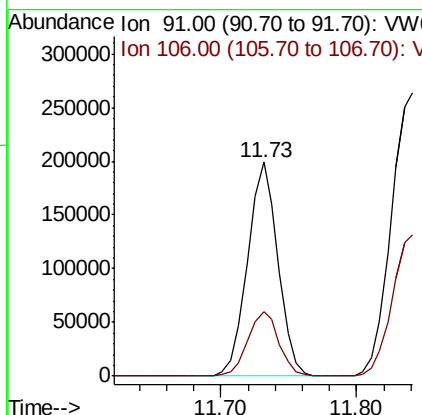
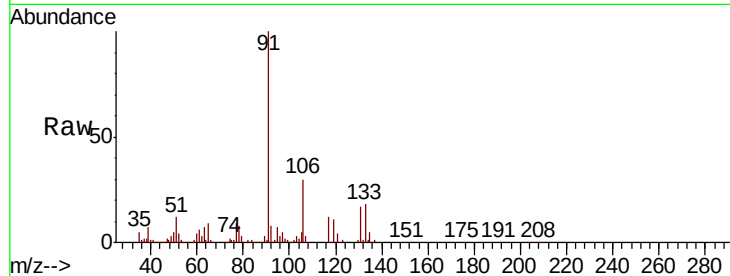




#67
Ethyl Benzene
Concen: 18.757 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

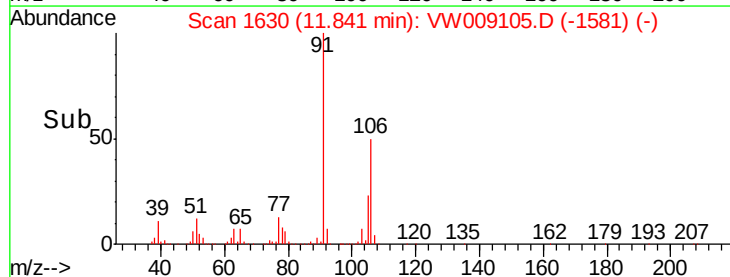
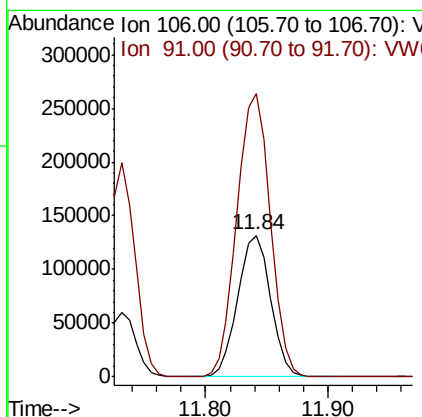
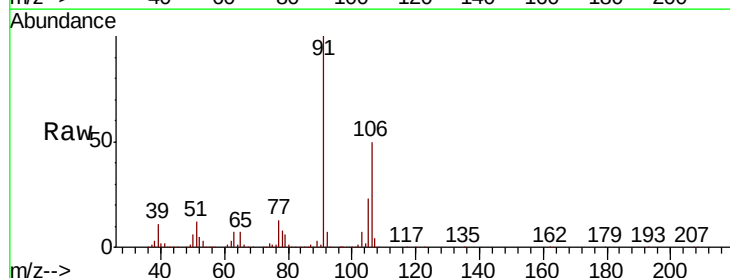
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

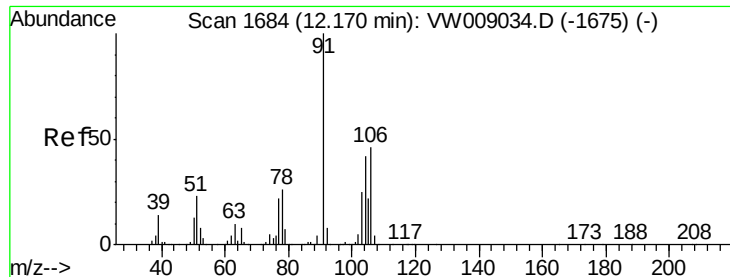
Tgt Ion: 91 Resp: 311865
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.4



#68
m/p-Xylenes
Concen: 37.409 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 106 Resp: 245506
Ion Ratio Lower Upper
106 100
91 204.3 163.2 244.8

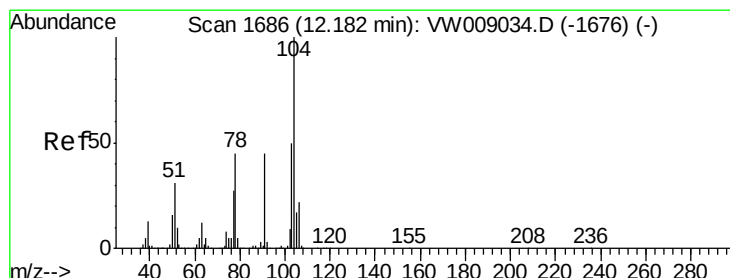
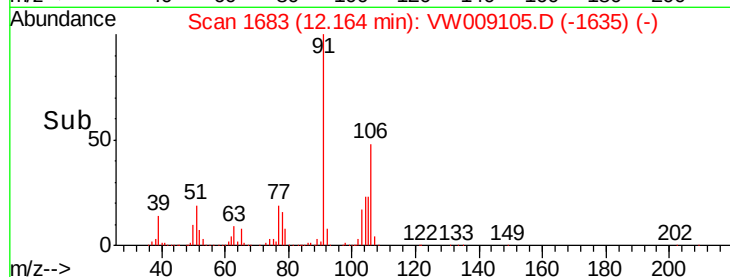
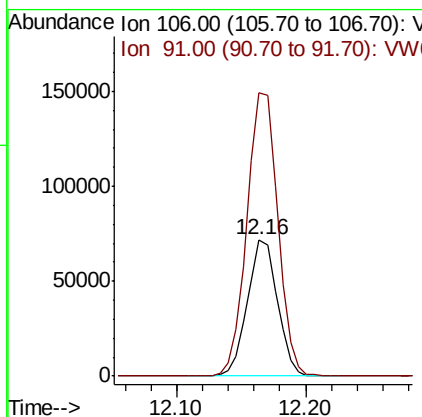
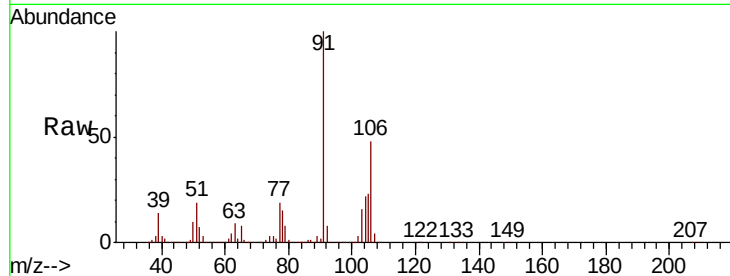




#69
o-Xylene
Concen: 18.938 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

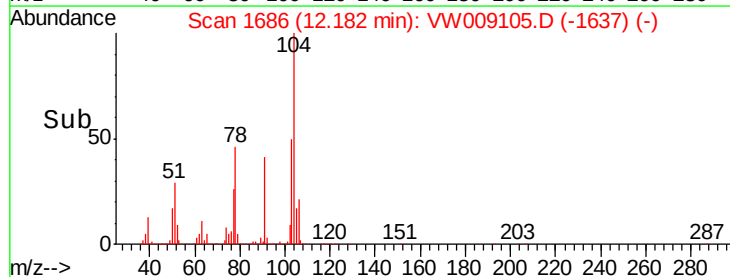
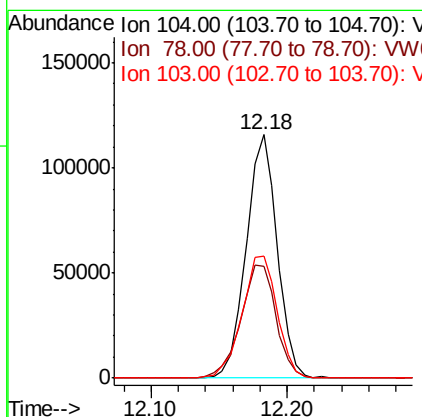
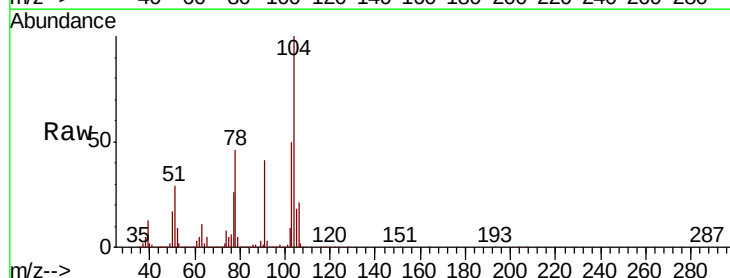
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

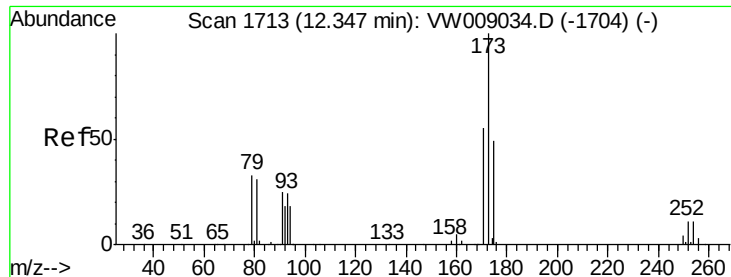
Tgt Ion:106 Resp: 115643
Ion Ratio Lower Upper
106 100
91 213.7 108.6 325.6



#70
Styrene
Concen: 18.675 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion:104 Resp: 184506
Ion Ratio Lower Upper
104 100
78 53.0 42.1 63.1
103 57.1 43.9 65.9

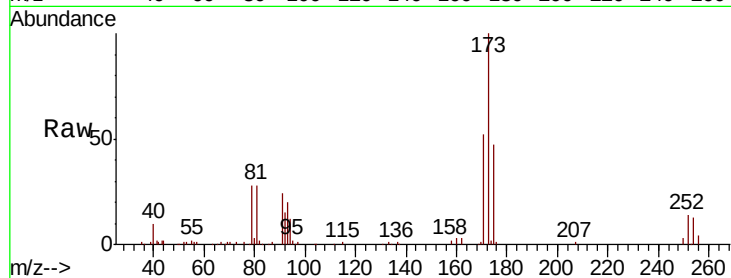




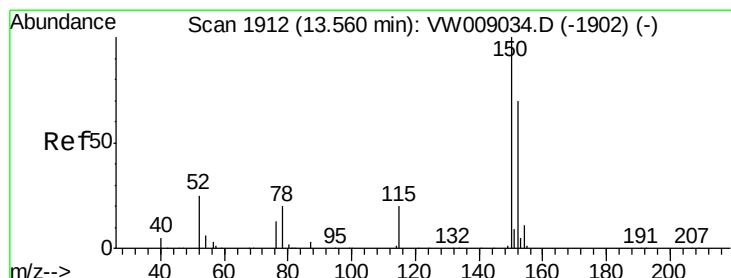
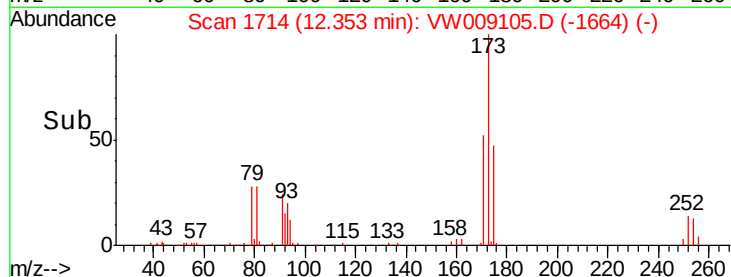
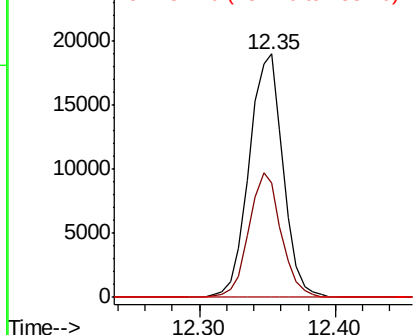
#71
Bromoform
Concen: 20.013 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tgt Ion:173 Resp: 33022
Ion Ratio Lower Upper
173 100
175 49.1 24.6 74.0
254 0.0 0.0 0.0

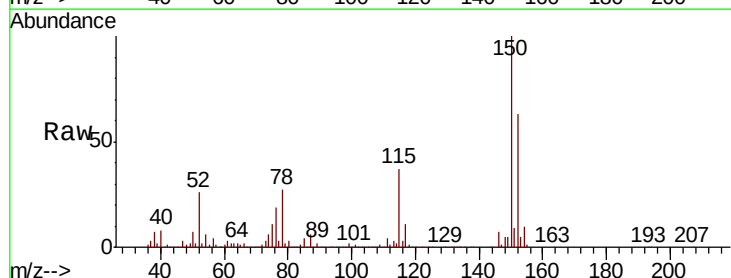


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

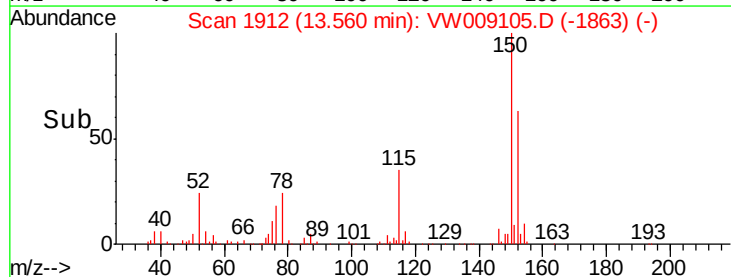
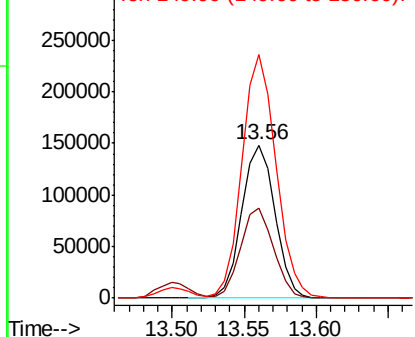


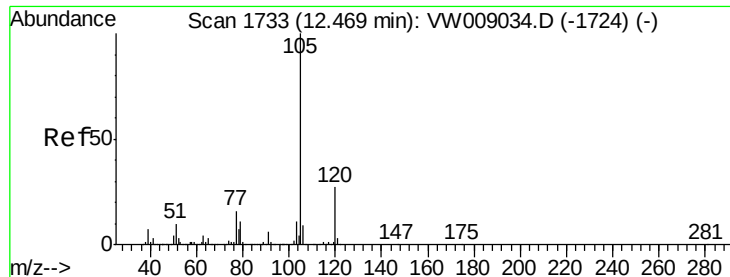
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion:152 Resp: 236430
Ion Ratio Lower Upper
152 100
115 58.7 28.9 86.7
150 163.1 0.0 349.2



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: 18.590 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

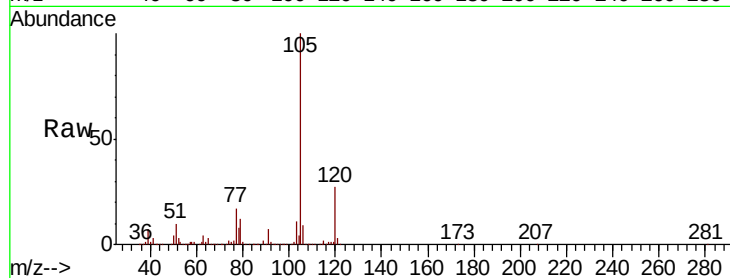
VW0311SBS02

Tgt Ion: 105 Resp: 314745

Ion Ratio Lower Upper

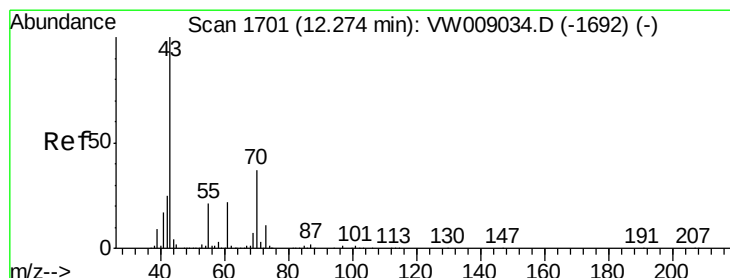
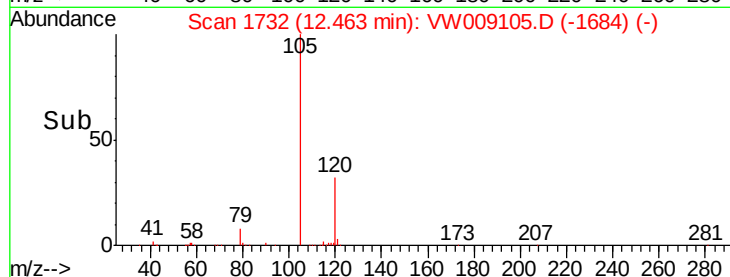
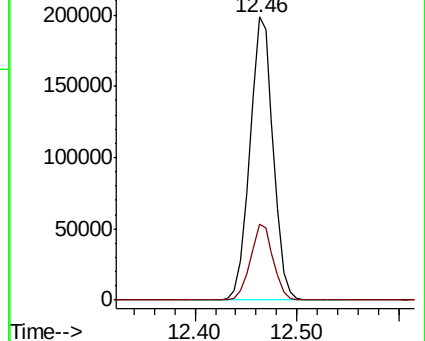
105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 20.598 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion: 43 Resp: 82557

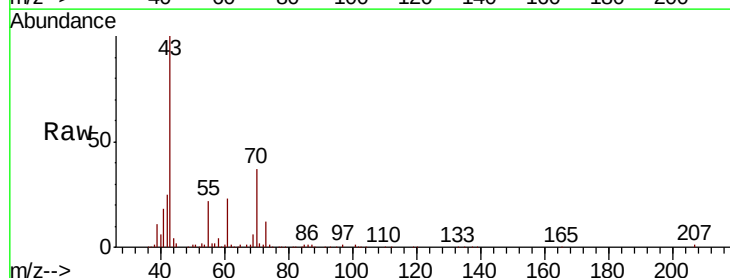
Ion Ratio Lower Upper

43 100

70 38.8 30.8 46.2

55 22.7 17.8 26.8

61 22.2 17.4 26.2

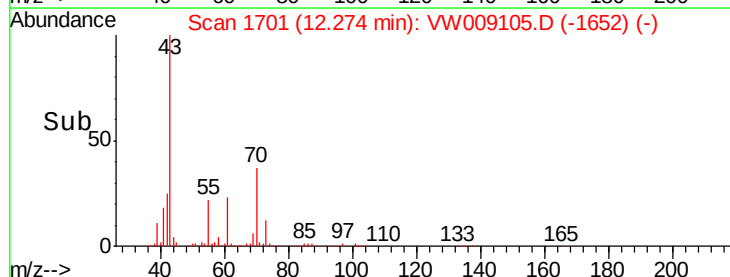
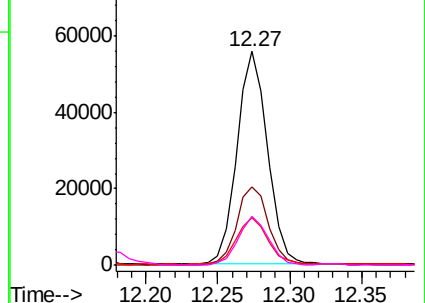


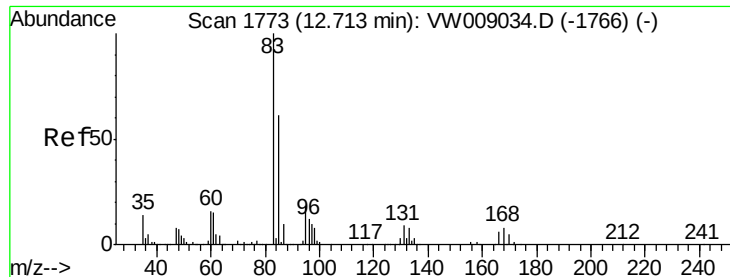
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 20.499 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

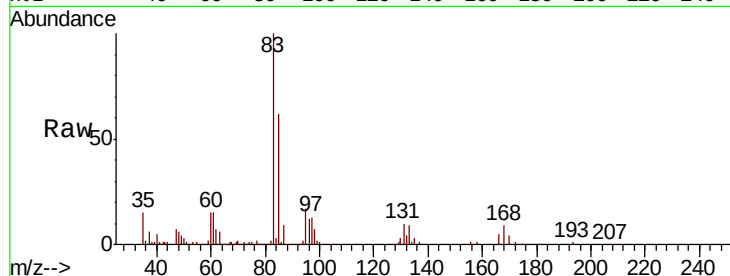
Tgt Ion: 83 Resp: 54748

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.7

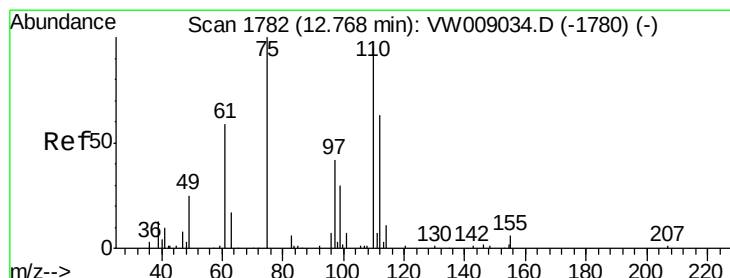
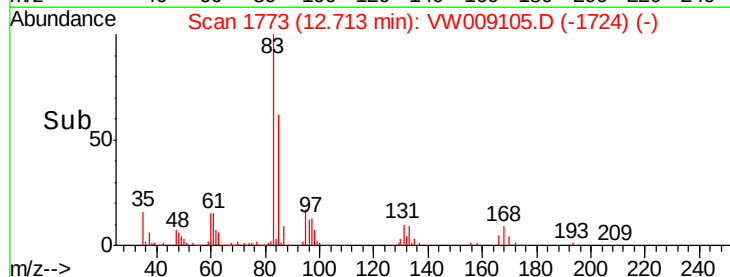
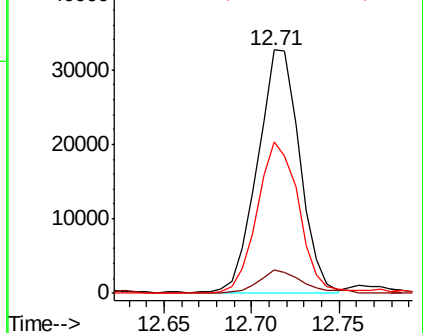
85 61.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.206 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009105.D

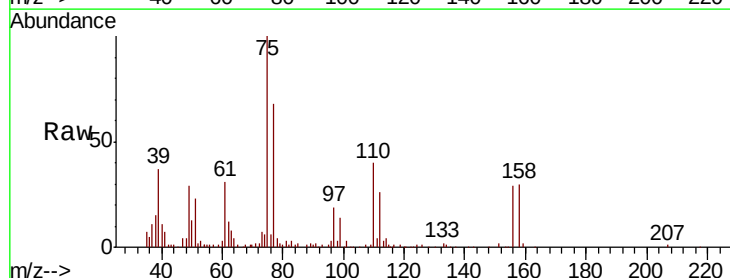
Acq: 12 Mar 2019 01:17

Tgt Ion: 75 Resp: 73237

Ion Ratio Lower Upper

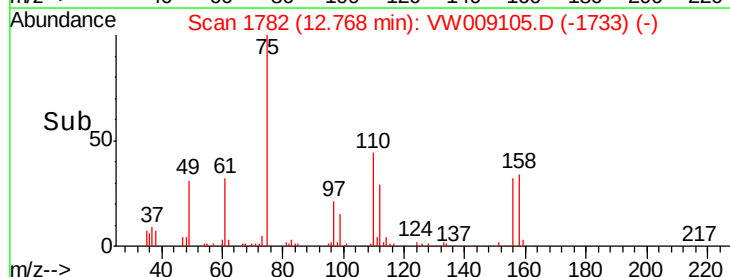
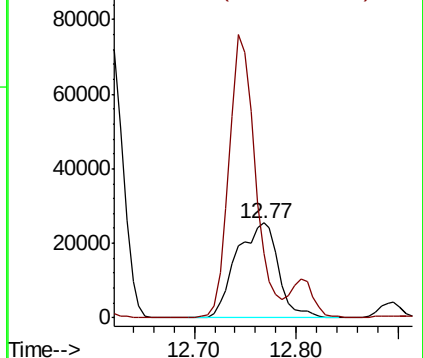
75 100

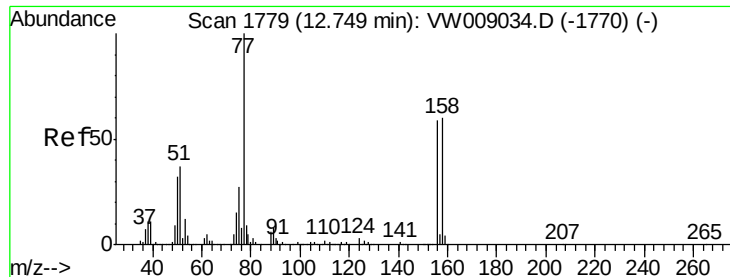
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.260 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

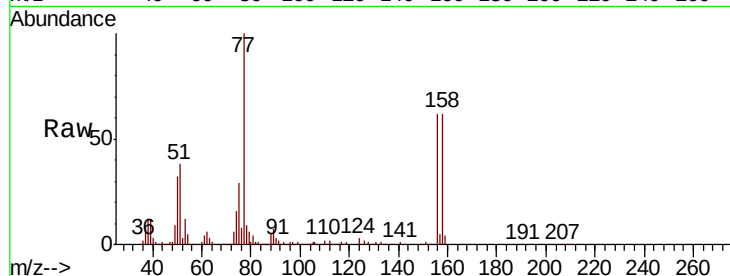
Tgt Ion:156 Resp: 74507

Ion Ratio Lower Upper

156 100

77 182.4 93.0 279.2

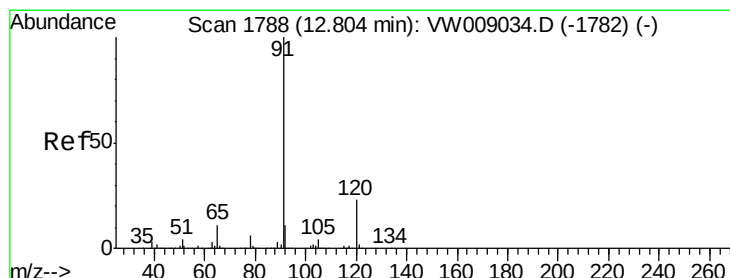
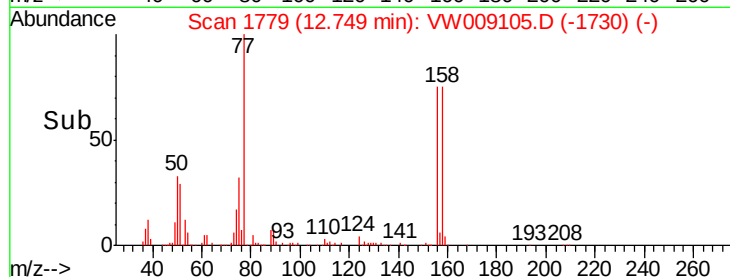
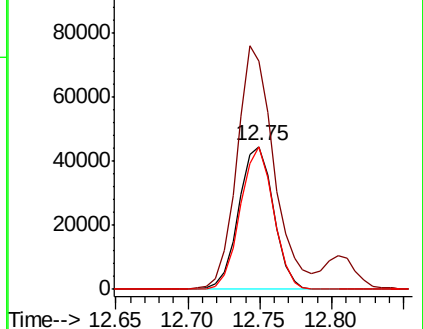
158 95.1 50.0 149.8



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: 18.731 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009105.D

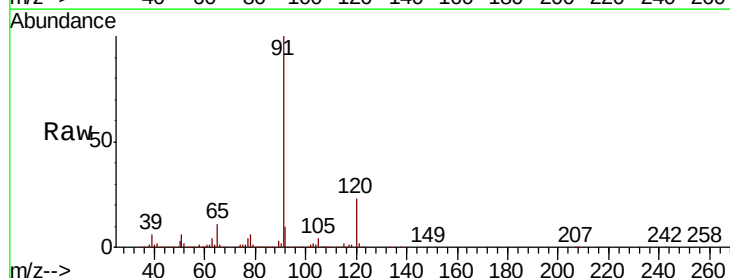
Acq: 12 Mar 2019 01:17

Tgt Ion: 91 Resp: 390628

Ion Ratio Lower Upper

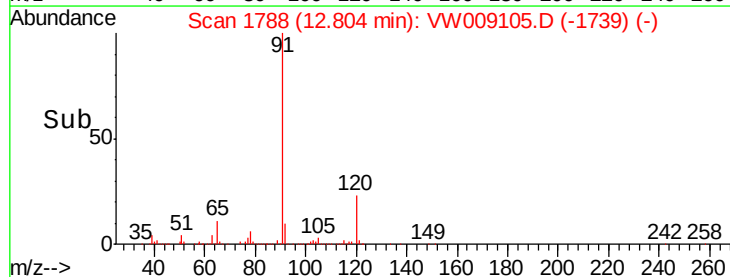
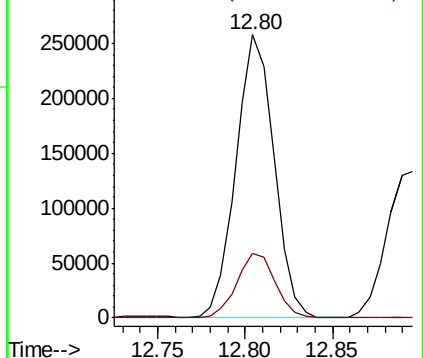
91 100

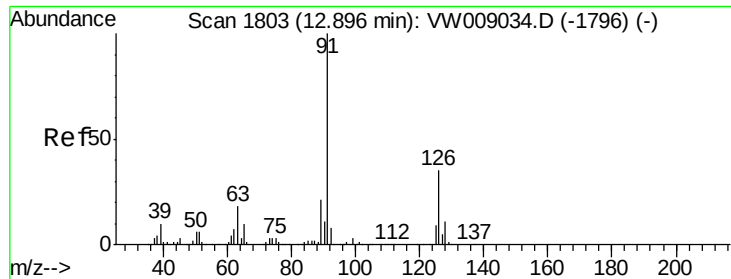
120 23.0 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

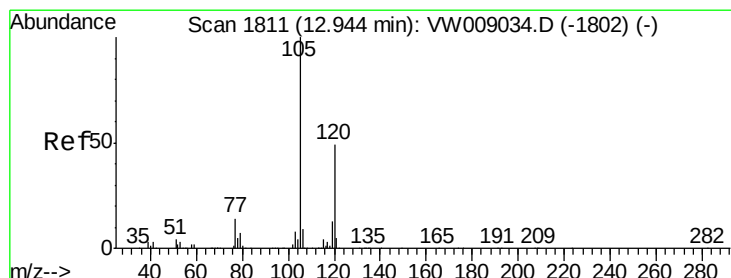
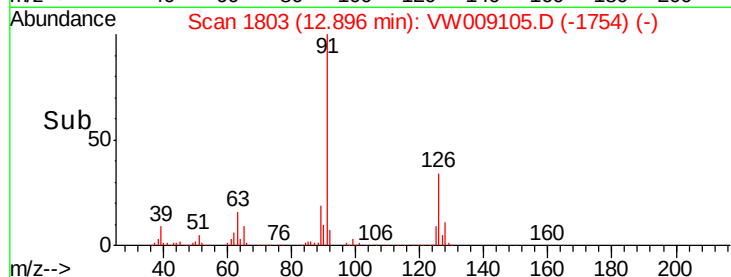
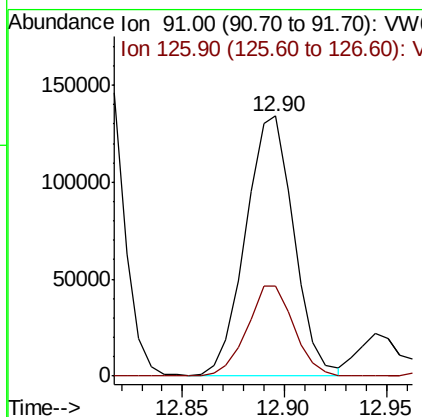
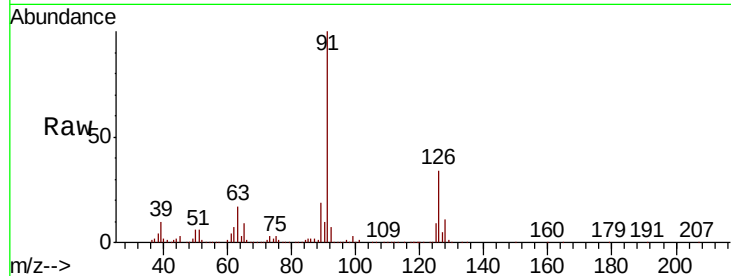




#79
 2-Chlorotoluene
 Concen: 18.740 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

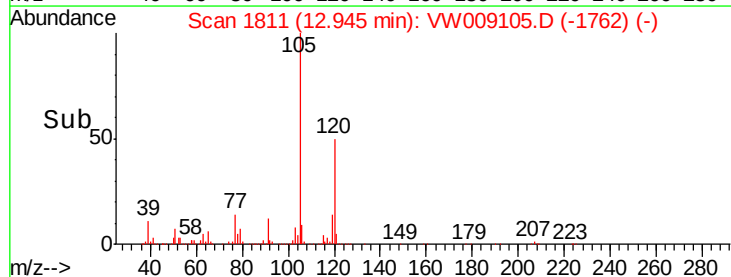
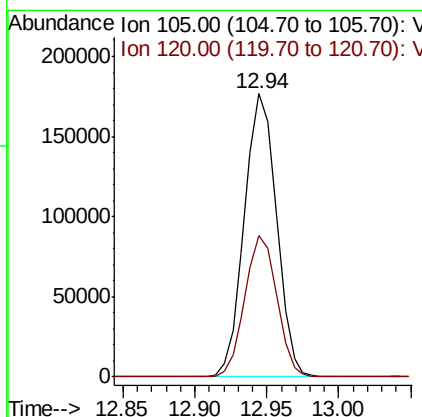
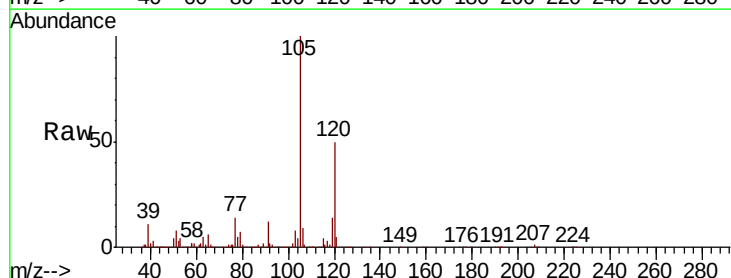
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

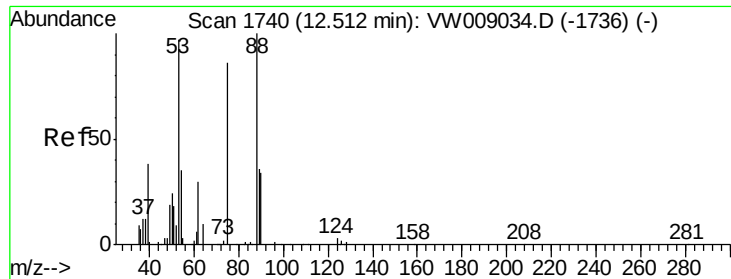
Tgt Ion: 91 Resp: 219578
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 18.730 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion: 105 Resp: 273346
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.814 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

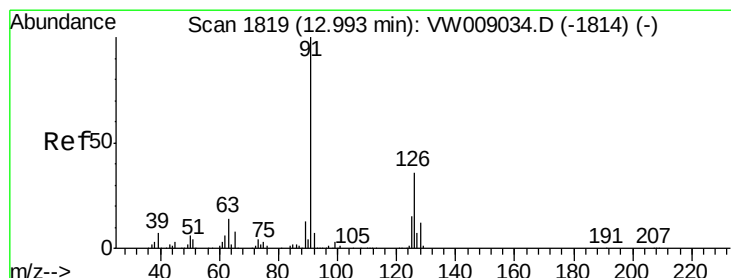
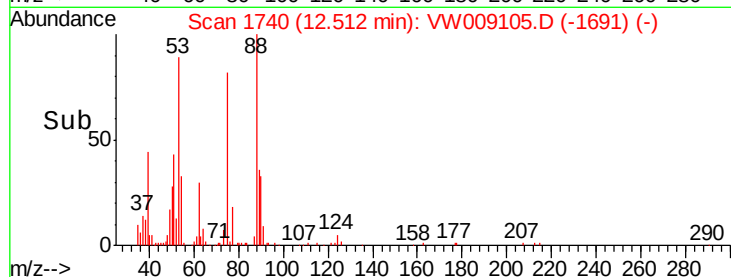
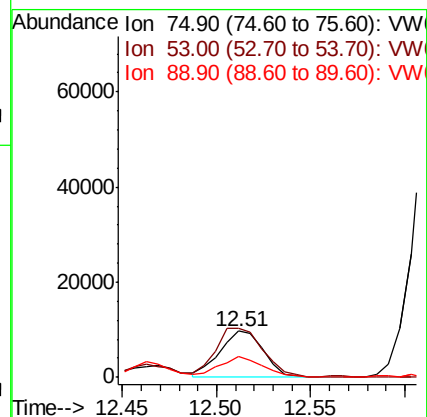
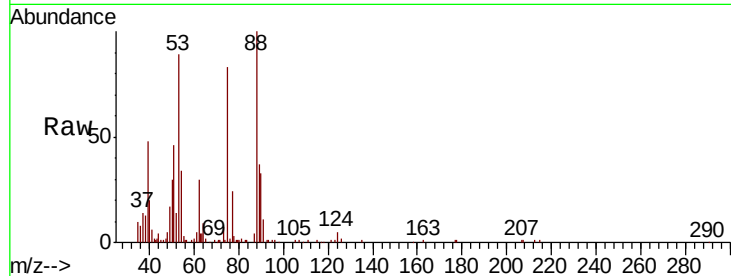
Tgt Ion: 75 Resp: 15712

Ion Ratio Lower Upper

75 100

53 112.7 90.5 135.7

89 44.1 37.5 56.3



#82

4-Chlorotoluene

Concen: 18.824 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW009105.D

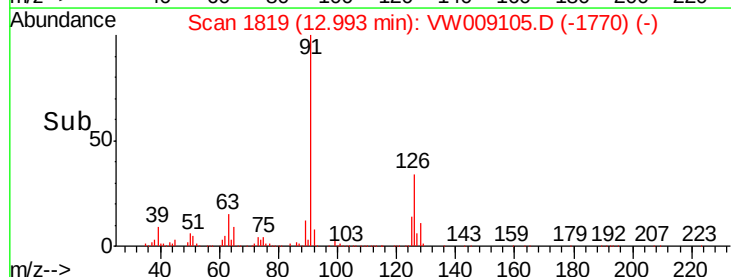
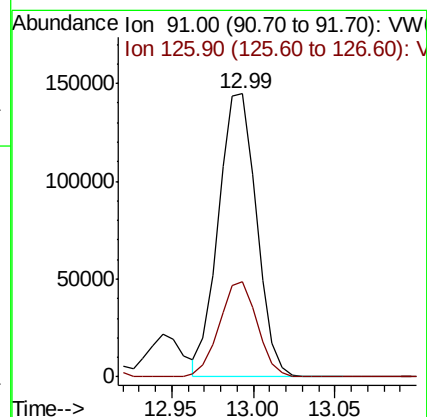
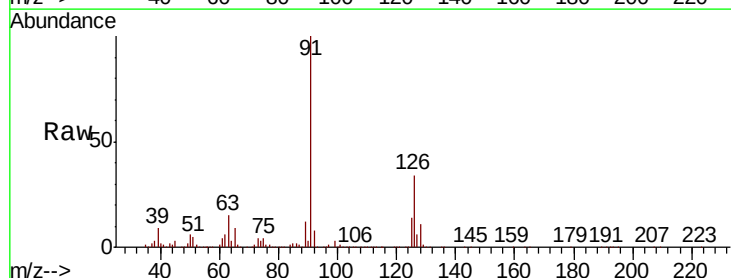
Acq: 12 Mar 2019 01:17

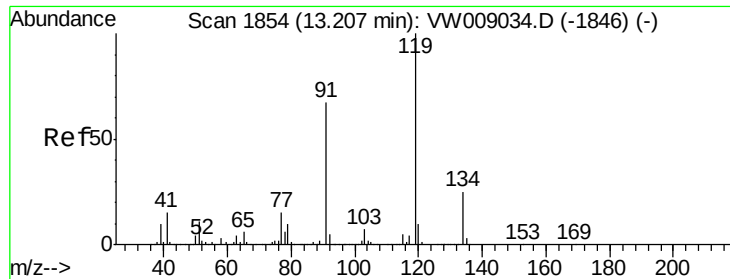
Tgt Ion: 91 Resp: 235119

Ion Ratio Lower Upper

91 100

126 33.7 16.6 49.8





#83

tert-Butylbenzene

Concen: 18.903 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

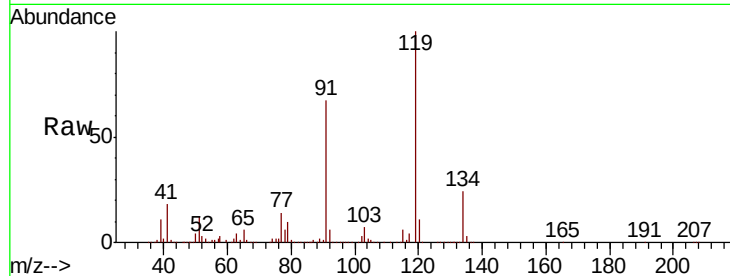
Tgt Ion:119 Resp: 232666

Ion Ratio Lower Upper

119 100

91 67.8 34.2 102.5

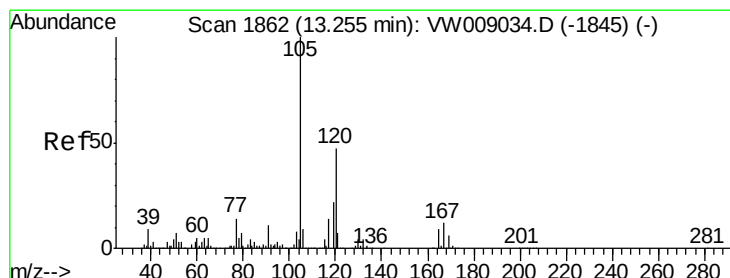
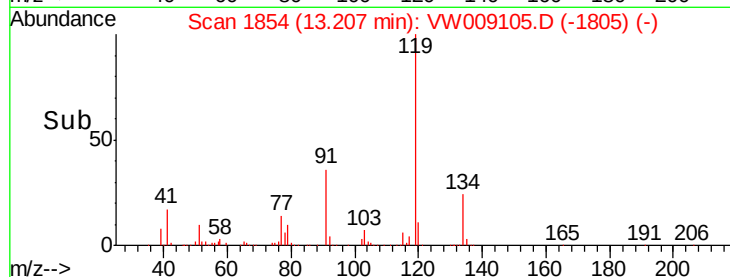
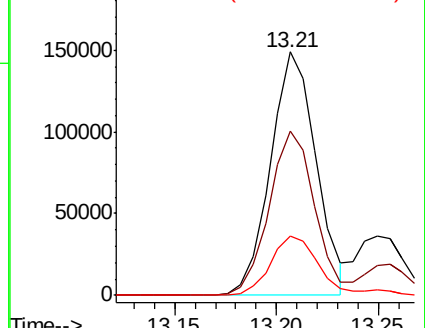
134 25.4 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.921 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009105.D

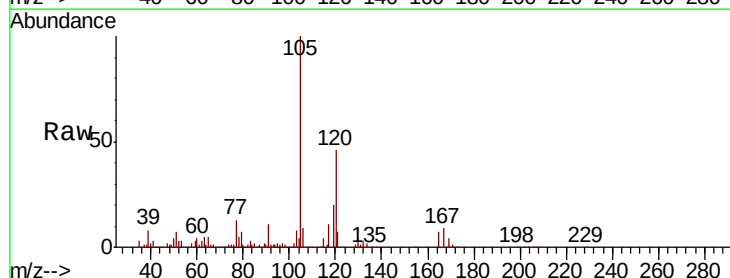
Acq: 12 Mar 2019 01:17

Tgt Ion:105 Resp: 279335

Ion Ratio Lower Upper

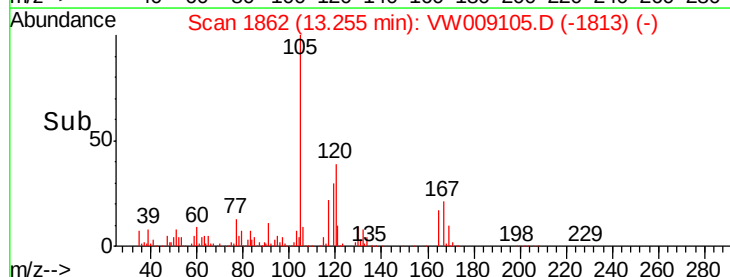
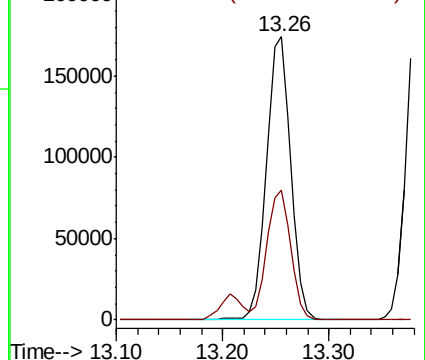
105 100

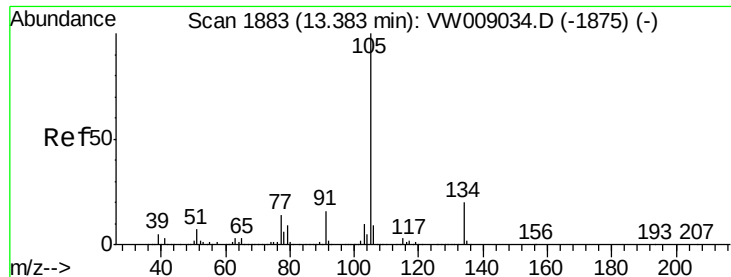
120 45.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

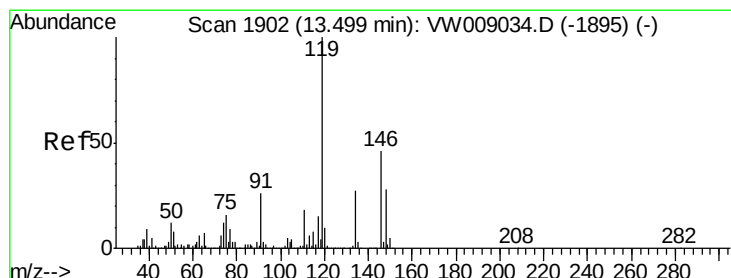
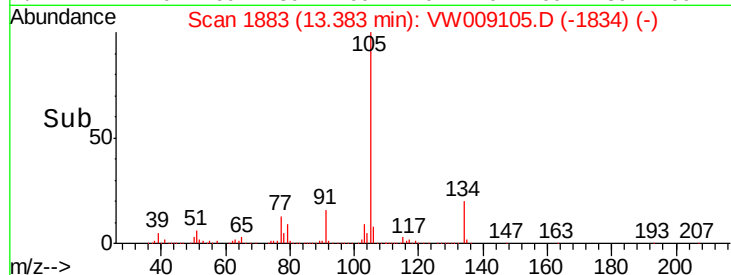
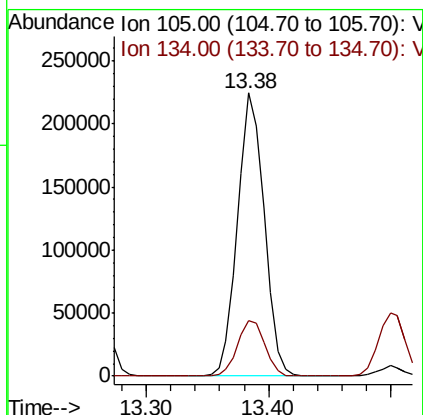
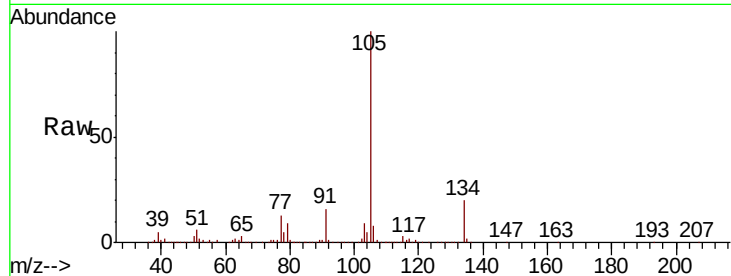




#85
 sec-Butylbenzene
 Concen: 18.535 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

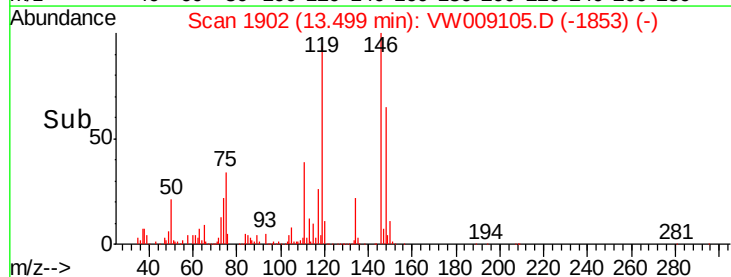
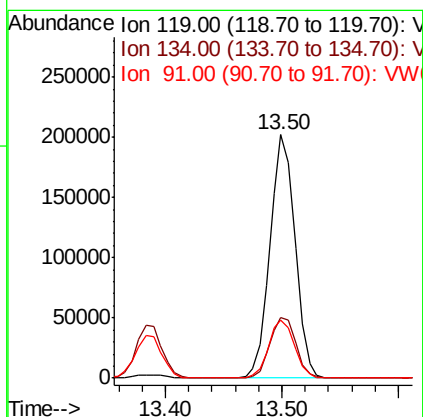
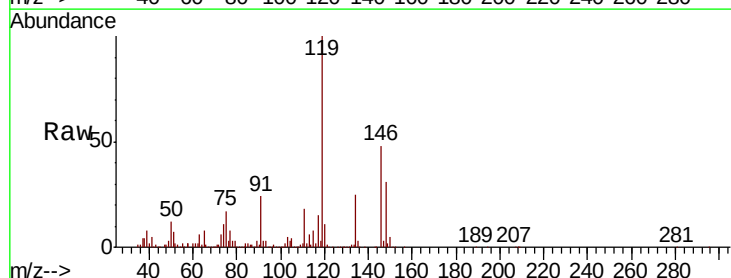
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

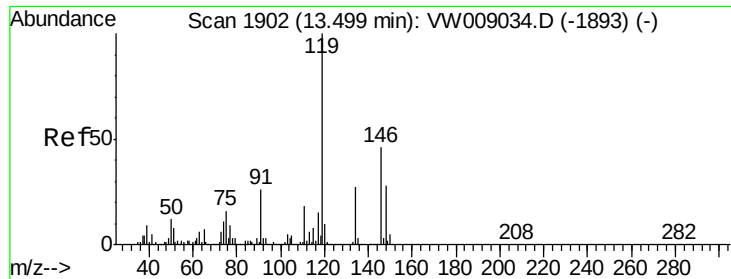
Tgt Ion:105 Resp: 338013
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 18.339 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion:119 Resp: 299182
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.9
 91 24.5 12.3 36.9

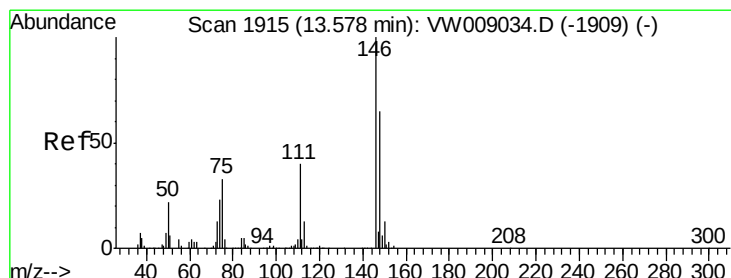
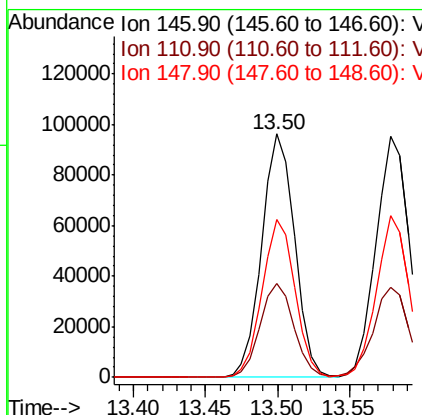
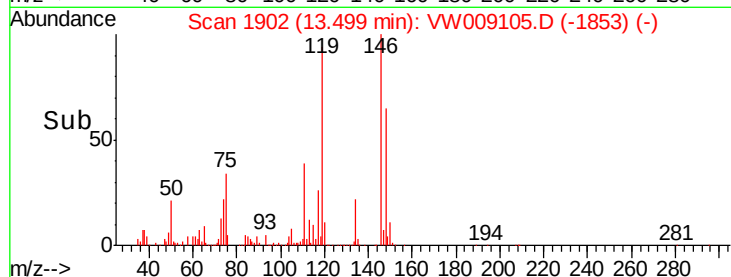
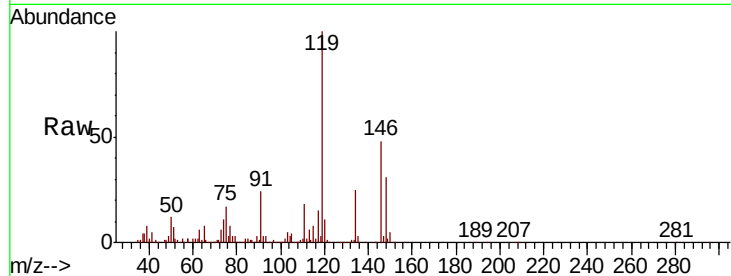




#87
 1,3-Dichlorobenzene
 Concen: 18.761 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

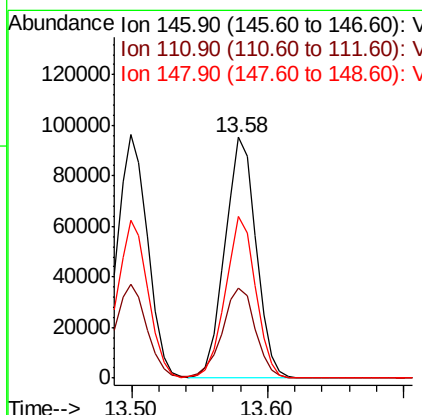
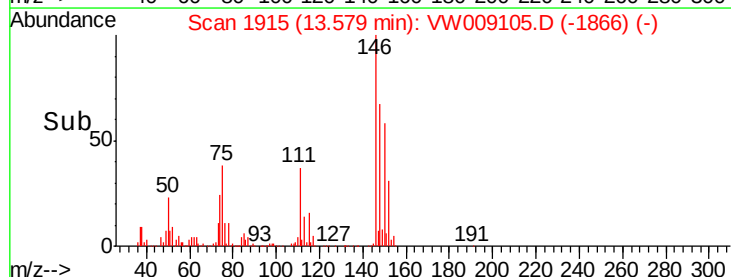
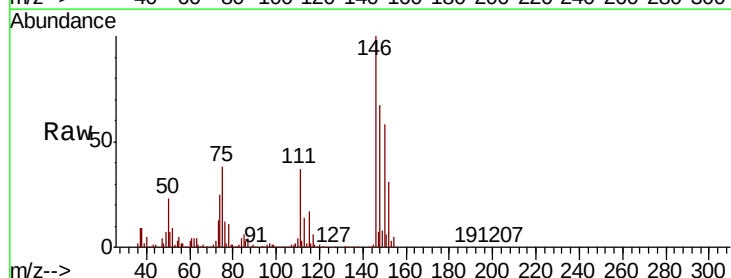
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

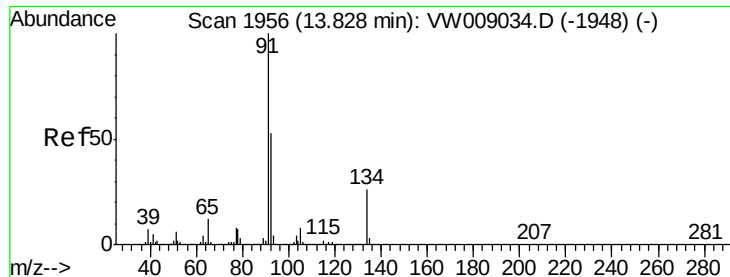
Tgt Ion:146 Resp: 152524
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.8 59.4
 148 64.6 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 18.893 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion:146 Resp: 151794
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.7 59.0
 148 65.1 32.2 96.6





#89

n-Butylbenzene

Concen: 18.086 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

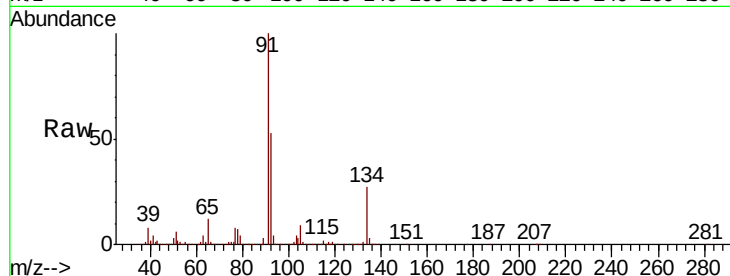
Tgt Ion: 91 Resp: 280495

Ion Ratio Lower Upper

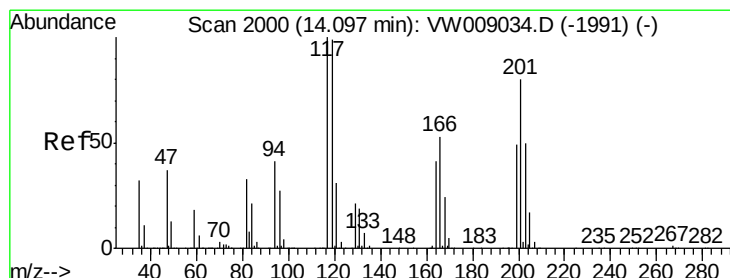
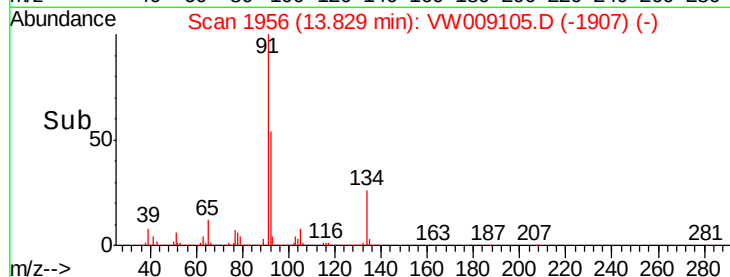
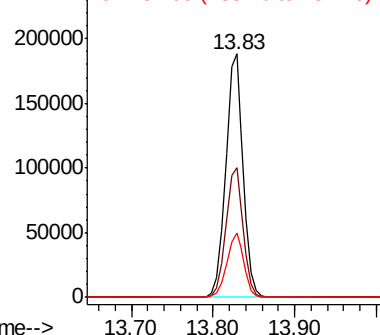
91 100

92 53.4 26.8 80.3

134 26.1 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.714 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009105.D

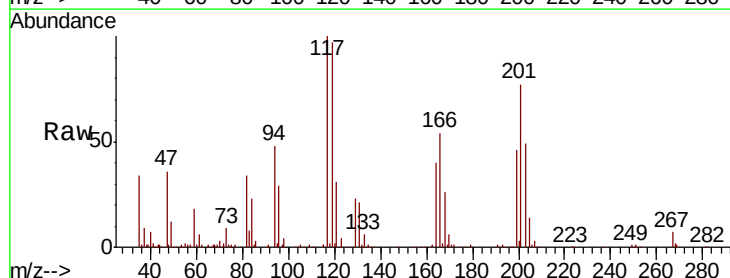
Acq: 12 Mar 2019 01:17

Tgt Ion: 117 Resp: 52656

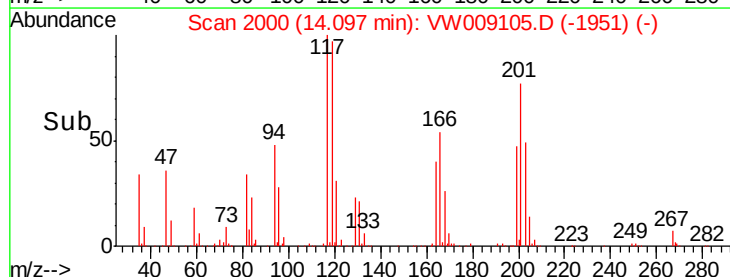
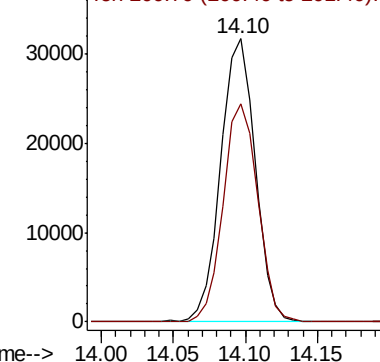
Ion Ratio Lower Upper

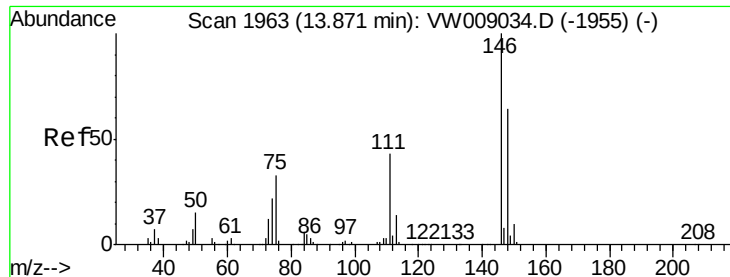
117 100

201 76.9 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.440 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

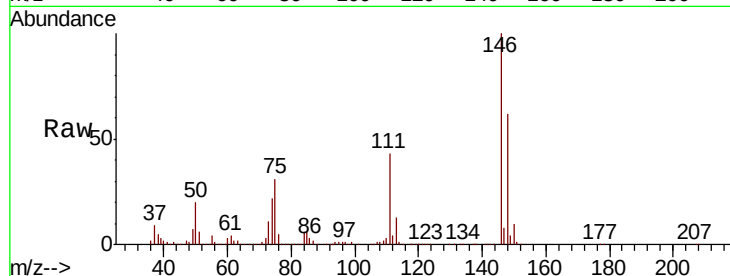
Tgt Ion:146 Resp: 139446

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.1

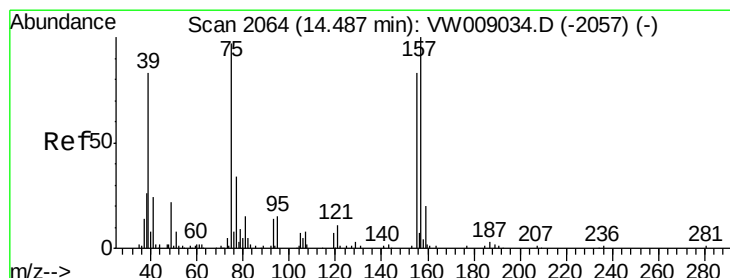
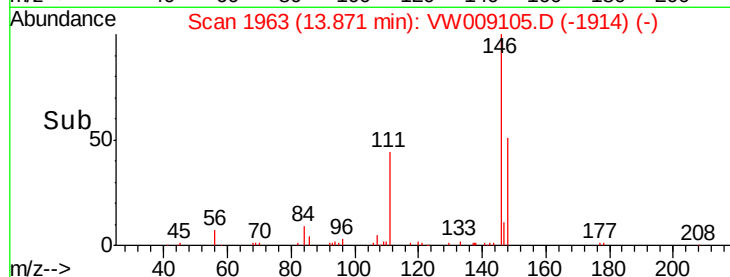
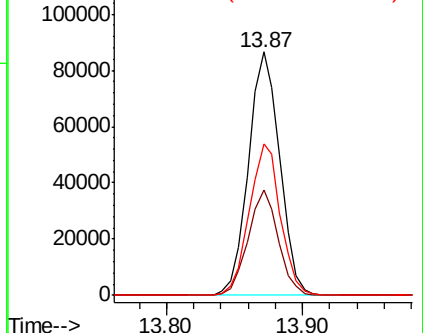
148 62.4 32.3 96.9



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: 21.715 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

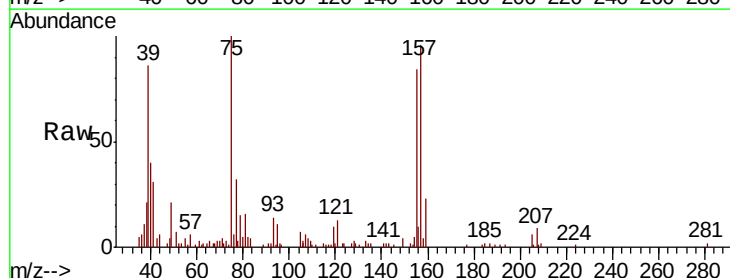
Tgt Ion: 75 Resp: 10329

Ion Ratio Lower Upper

75 100

155 81.6 40.8 122.4

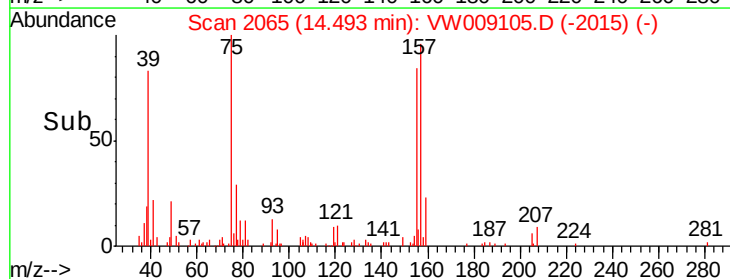
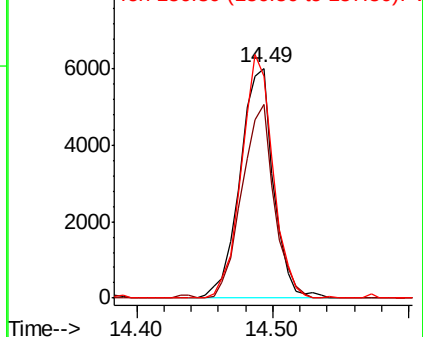
157 99.9 52.4 157.3

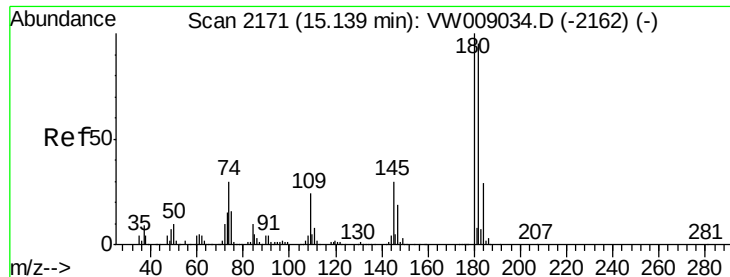


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

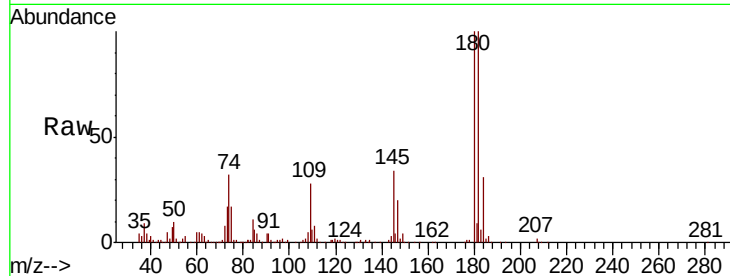




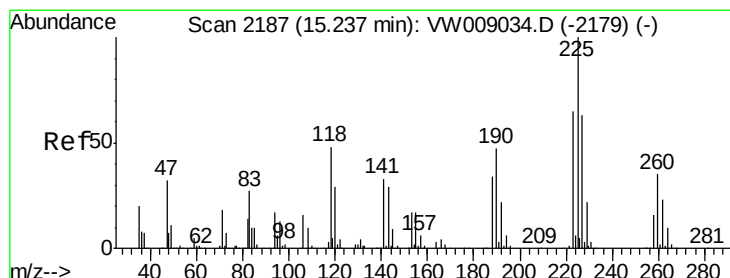
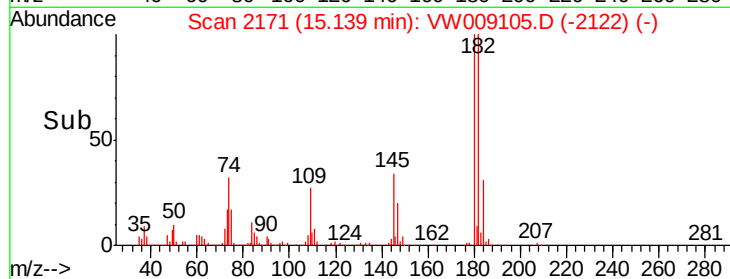
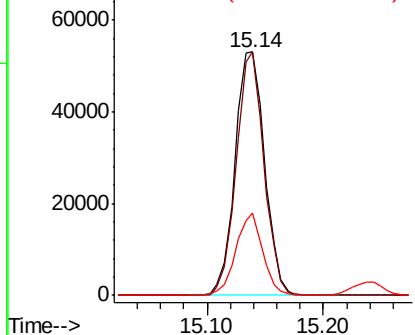
#93
 1,2,4-Trichlorobenzene
 Concen: 19.365 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tgt Ion:180 Resp: 93807
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.1 144.3
 145 30.9 15.4 46.1

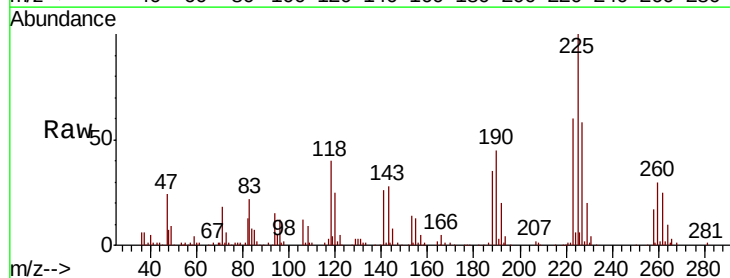


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

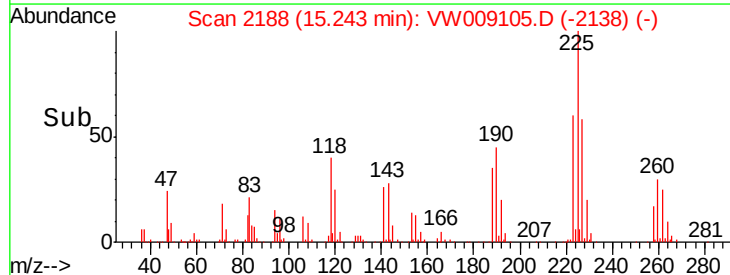
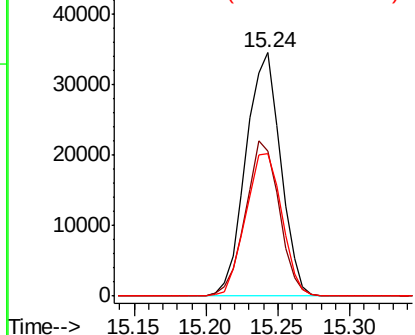


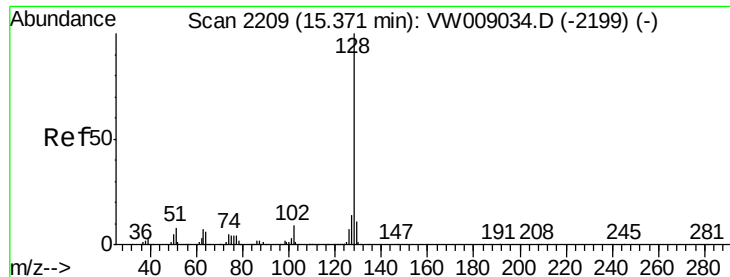
#94
 Hexachlorobutadiene
 Concen: 18.991 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion:225 Resp: 57625
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.6 94.8
 227 61.0 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

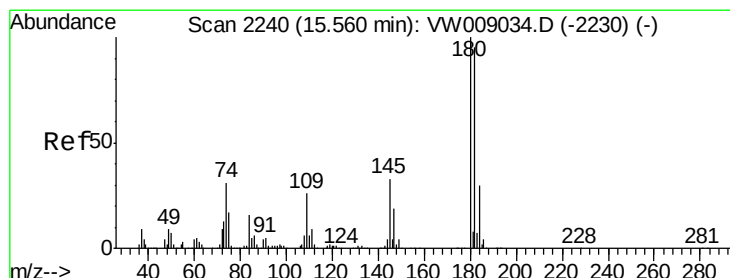
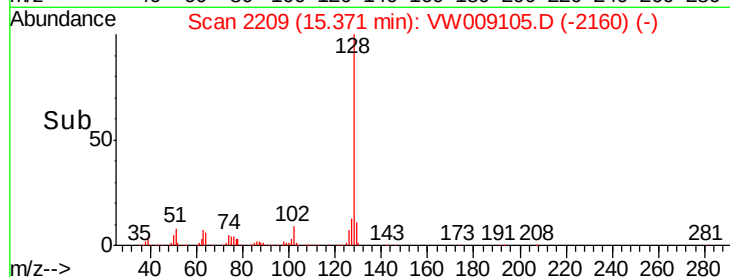
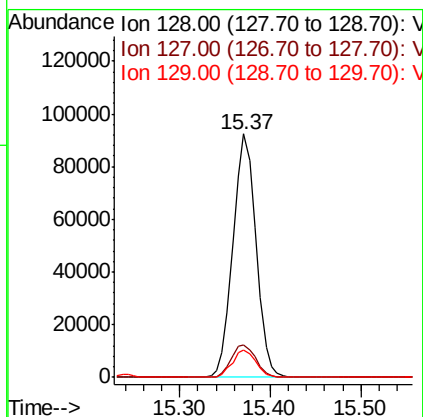
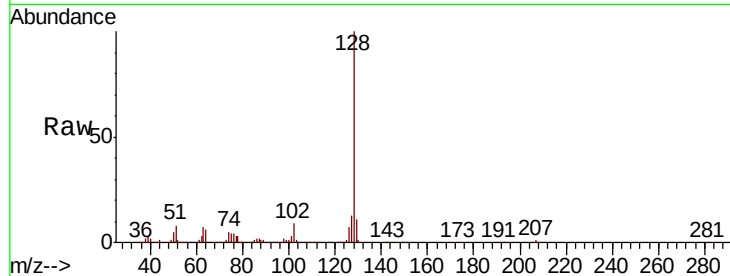




#95
Naphthalene
Concen: 20.645 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tgt Ion:128 Resp: 163712
Ion Ratio Lower Upper
128 100
127 14.4 11.0 16.6
129 11.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.356 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion:180 Resp: 82450
Ion Ratio Lower Upper
180 100
182 93.5 48.1 144.3
145 31.3 15.8 47.3

