

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021919\
 Data File : VW008747.D
 Acq On : 19 Feb 2019 12:51
 Operator : SY/VA
 Sample : VW0219SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0219SBS01

Quant Time: Feb 20 07:04:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	361599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	536450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	482104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	253545	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	182501	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	7.88	113	170292	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.32	98	641675	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.62	95	236466	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	48838	21.087	ug/l	96
3) Chloromethane	2.21	50	60458	18.108	ug/l	98
4) Vinyl Chloride	2.36	62	79834	18.204	ug/l	97
5) Bromomethane	2.78	94	66841	19.261	ug/l	93
6) Chloroethane	2.92	64	60292	18.476	ug/l	99
7) Trichlorofluoromethane	3.25	101	60605	17.743	ug/l	98
8) Diethyl Ether	3.67	74	38238	18.759	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	73304	20.307	ug/l	98
10) Methyl Iodide	4.26	142	112881	20.036	ug/l	100
11) Tert butyl alcohol	5.17	59	28687	95.375	ug/l	95
12) 1,1-Dichloroethene	4.02	96	68849	19.503	ug/l	98
13) Acrolein	3.89	56	24436	78.853	ug/l	97
14) Allyl chloride	4.65	41	110237	18.795	ug/l	99
15) Acrylonitrile	5.36	53	79007	92.086	ug/l	99
16) Acetone	4.12	43	75672	88.458	ug/l	96
17) Carbon Disulfide	4.37	76	201739	18.937	ug/l	99
18) Methyl Acetate	4.67	43	36096	18.465	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	117917	19.028	ug/l	99
20) Methylene Chloride	4.91	84	75769	15.045	ug/l	86
21) trans-1,2-Dichloroethene	5.40	96	76970	19.910	ug/l	97
22) Diisopropyl ether	6.31	45	223373	18.923	ug/l	98
23) Vinyl Acetate	6.25	43	686604	89.619	ug/l	100
24) 1,1-Dichloroethane	6.21	63	130973	19.228	ug/l	100
25) 2-Butanone	7.17	43	107919	89.341	ug/l	98
26) 2,2-Dichloropropane	7.16	77	90369	21.237	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	81355	19.461	ug/l	99
28) Bromochloromethane	7.50	49	56933	19.799	ug/l	97
29) Tetrahydrofuran	7.52	42	70952	89.116	ug/l	99
30) Chloroform	7.67	83	134059	19.641	ug/l	91
31) Cyclohexane	7.95	56	131750	19.163	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	117819	20.439	ug/l	100
36) 1,1-Dichloropropene	8.07	75	110588	20.519	ug/l	99
37) Ethyl Acetate	7.25	43	49882	19.186	ug/l	99
38) Carbon Tetrachloride	8.06	117	112694	21.028	ug/l	92

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	132391	19.421	ug/l	97
40) Benzene	8.32	78	299338	20.336	ug/l	99
41) Methacrylonitrile	7.48	41	28618	19.564	ug/l	94
42) 1,2-Dichloroethane	8.40	62	93497	20.478	ug/l	99
43) Isopropyl Acetate	8.42	43	93023	17.944	ug/l	96
44) Trichloroethene	9.09	130	85135	20.860	ug/l	91
45) 1,2-Dichloropropane	9.37	63	71264	19.563	ug/l	99
46) Dibromomethane	9.46	93	40012	19.939	ug/l	99
47) Bromodichloromethane	9.64	83	97834	20.286	ug/l #	99
48) Methyl methacrylate	9.43	41	44195	18.395	ug/l	99
49) 1,4-Dioxane	9.45	88	12630	394.300	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	246931	92.726	ug/l	100
52) Toluene	10.38	92	189477	19.954	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	97065	19.159	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	111958	19.494	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	55778	20.258	ug/l	96
56) Ethyl methacrylate	10.65	69	66603	18.217	ug/l	98
57) 1,3-Dichloropropane	10.93	76	96381	19.729	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	173166	98.733	ug/l	97
59) 2-Hexanone	10.97	43	168930	90.299	ug/l	100
60) Dibromochloromethane	11.13	129	64866	19.689	ug/l	99
61) 1,2-Dibromoethane	11.23	107	53545	19.751	ug/l	99
64) Tetrachloroethene	10.86	164	74237	20.707	ug/l	98
65) Chlorobenzene	11.66	112	214379	20.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	73611	19.997	ug/l	98
67) Ethyl Benzene	11.73	91	365050	19.722	ug/l	97
68) m/p-Xylenes	11.84	106	285240	39.606	ug/l	100
69) o-Xylene	12.16	106	133971	19.680	ug/l	97
70) Styrene	12.18	104	215934	19.420	ug/l	99
71) Bromoform	12.35	173	38563	19.443	ug/l	96
73) Isopropylbenzene	12.46	105	372572	19.727	ug/l	99
74) N-amyl acetate	12.27	43	89145	17.455	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	63068	19.193	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	45647m	18.232	ug/l	
77) Bromobenzene	12.75	156	88289	20.337	ug/l	95
78) n-propylbenzene	12.80	91	446251	19.886	ug/l	99
79) 2-Chlorotoluene	12.89	91	251704	19.847	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	316034	20.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	19350	18.701	ug/l	96
82) 4-Chlorotoluene	12.99	91	266198	19.806	ug/l	99
83) tert-Butylbenzene	13.21	119	272979	20.041	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	318271	19.740	ug/l	100
85) sec-Butylbenzene	13.38	105	394271	19.879	ug/l	99
86) p-Isopropyltoluene	13.50	119	358889	20.227	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	177341	20.151	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	177596	20.476	ug/l	99
89) n-Butylbenzene	13.83	91	329414	19.537	ug/l	98
90) Hexachloroethane	14.10	117	62235	20.077	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	157611	20.214	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11380	19.930	ug/l	99

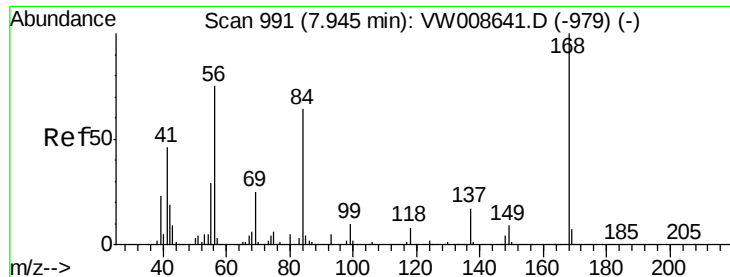
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021919\
Data File : VW008747.D
Acq On : 19 Feb 2019 12:51
Operator : SY/VA
Sample : VW0219SBSD01
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MSVOA_W
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	117534	21.176	ug/l	98
94) Hexachlorobutadiene	15.24	225	72091	22.313	ug/l	98
95) Naphthalene	15.37	128	195322	19.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	100581	21.118	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

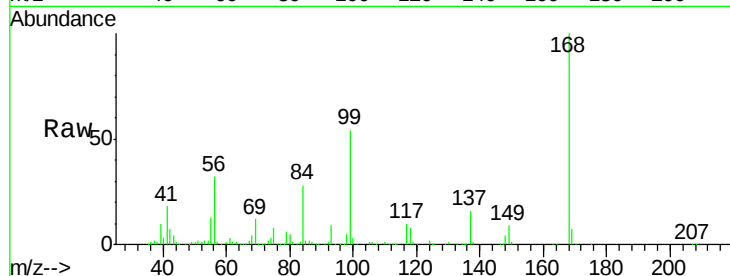
VW0219SBSD01

Tot Ion:168 Resp: 361599

Ion Ratio Lower Upper

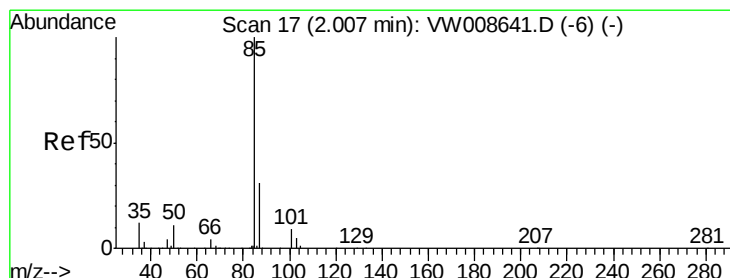
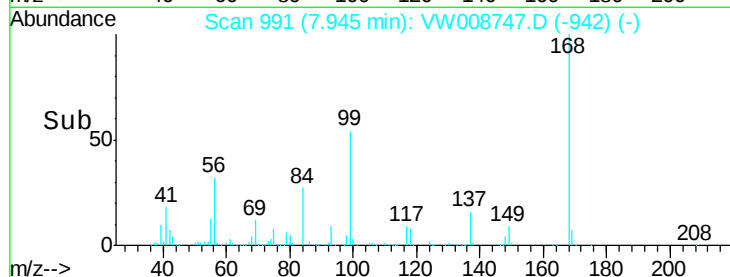
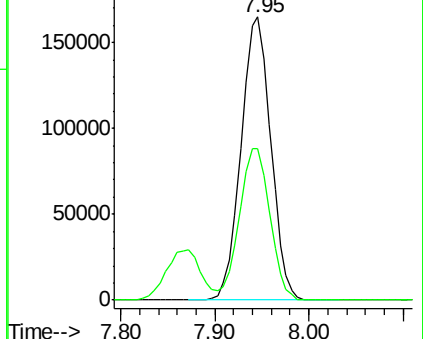
168 100

99 53.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.087 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008747.D

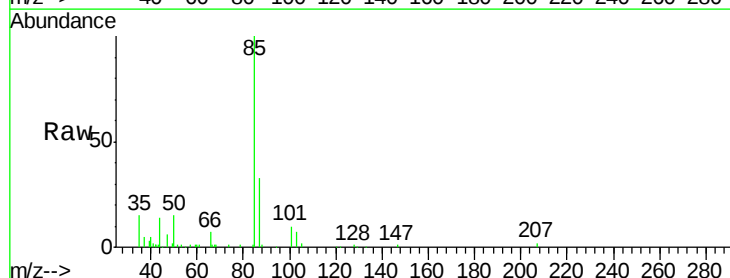
Acq: 19 Feb 2019 12:51

Tgt Ion: 85 Resp: 48838

Ion Ratio Lower Upper

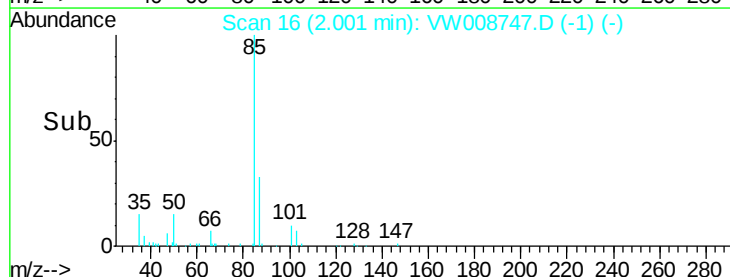
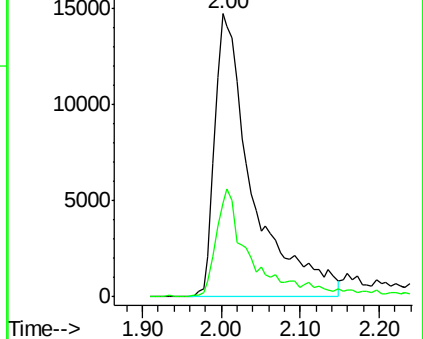
85 100

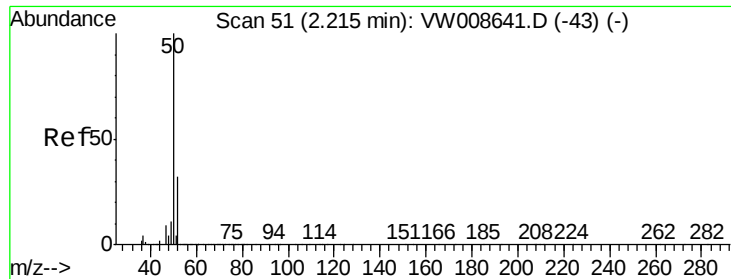
87 33.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

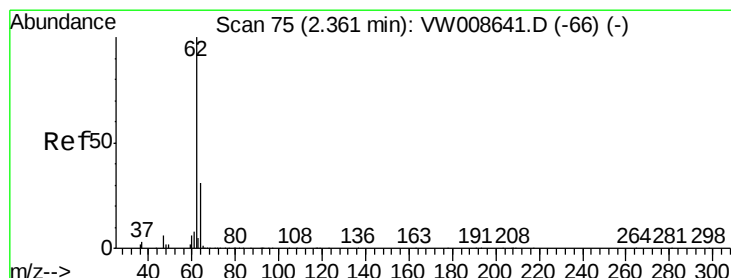
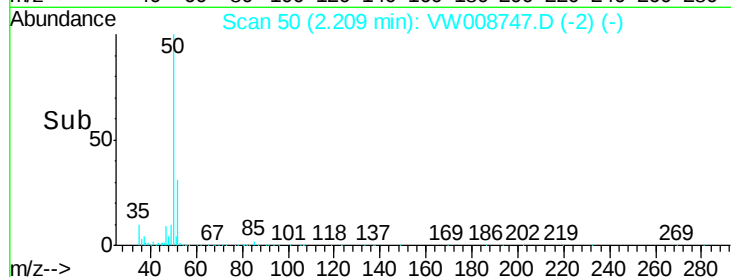
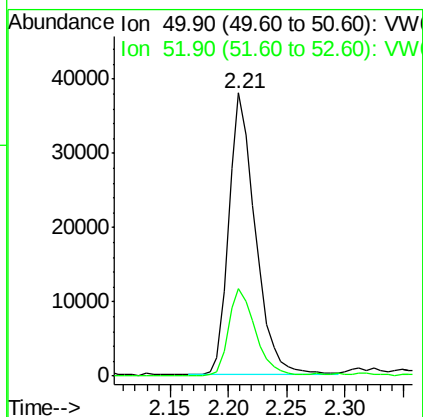
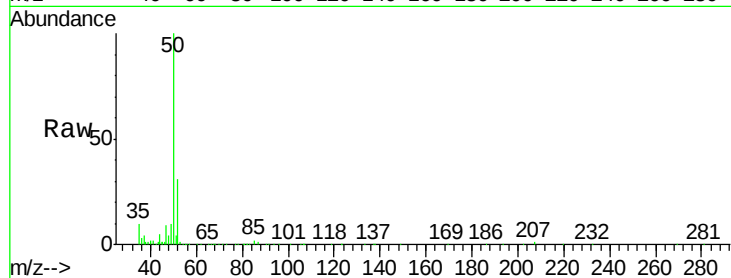




#3
Chloromethane
Concen: 18.108 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

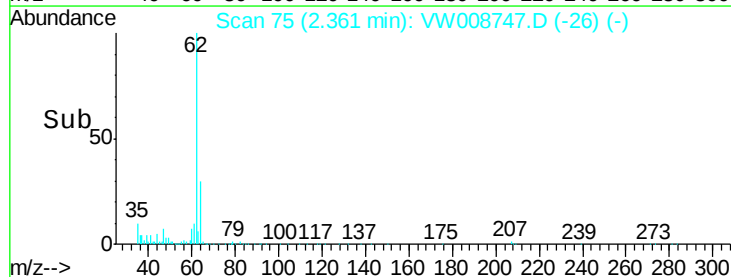
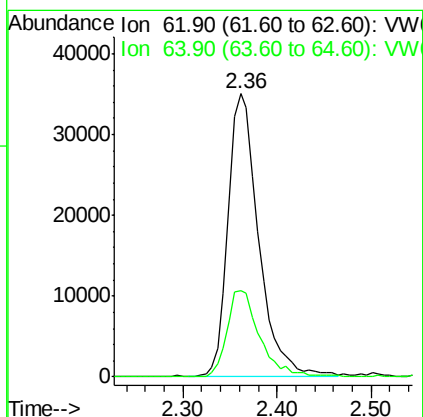
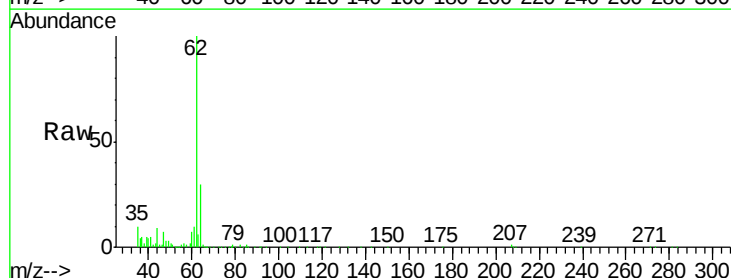
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBSD01

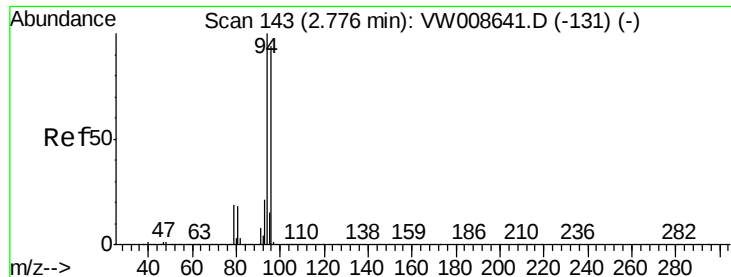
Tot Ion: 50 Resp: 60458
Ion Ratio Lower Upper
50 100
52 31.2 26.0 39.0



#4
Vinyl Chloride
Concen: 18.204 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion: 62 Resp: 79834
Ion Ratio Lower Upper
62 100
64 30.0 25.1 37.7





#5

Bromomethane

Concen: 19.261 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

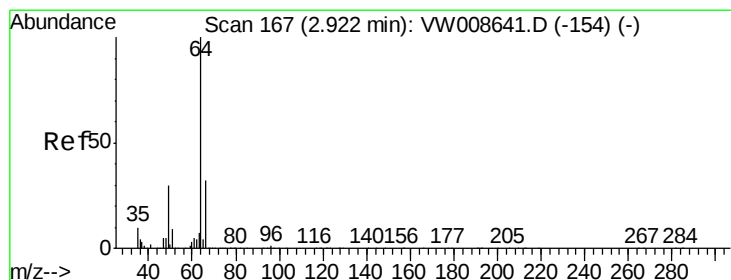
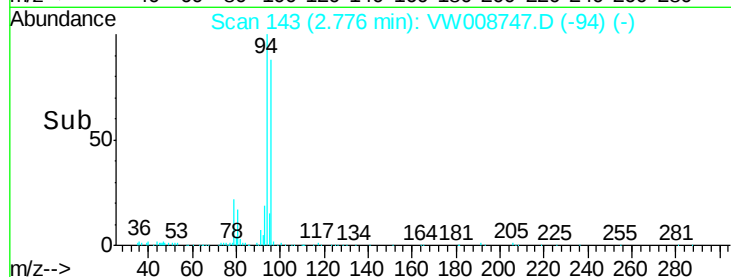
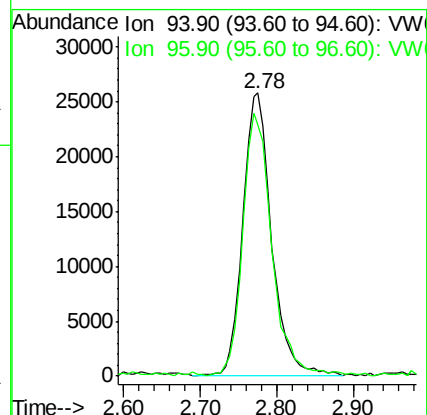
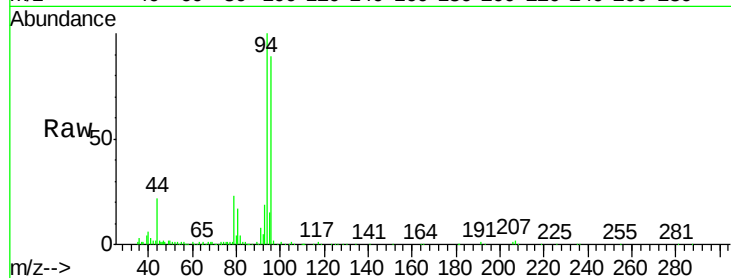
VW0219SBSD01

Tot Ion: 94 Resp: 66841

Ion Ratio Lower Upper

94 100

96 87.8 75.5 113.3



#6

Chloroethane

Concen: 18.476 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008747.D

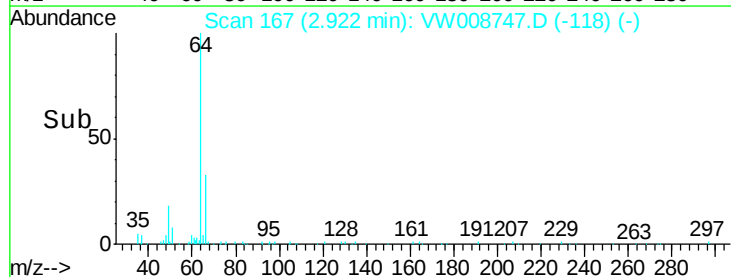
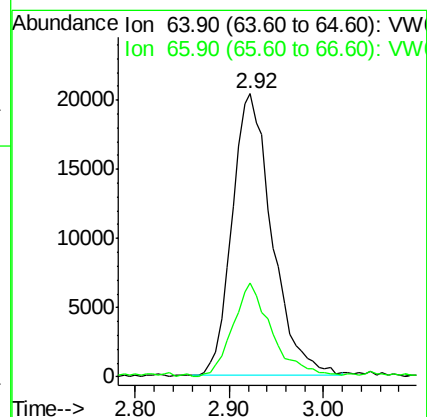
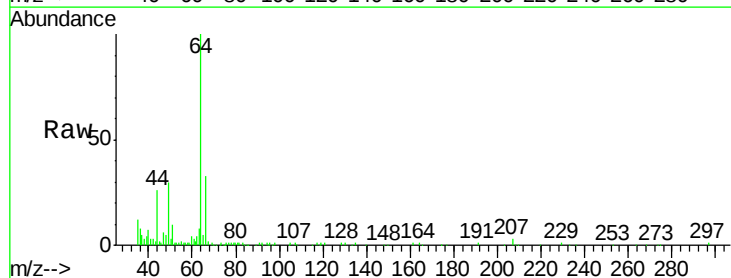
Acq: 19 Feb 2019 12:51

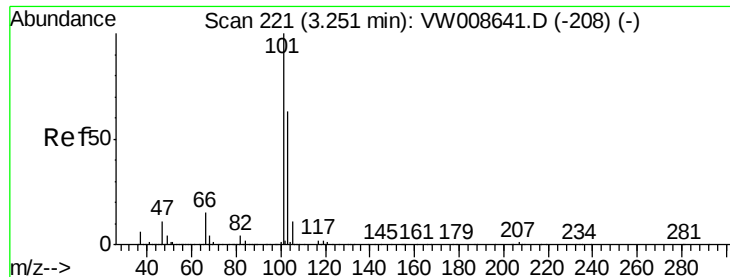
Tgt Ion: 64 Resp: 60292

Ion Ratio Lower Upper

64 100

66 33.3 26.2 39.4



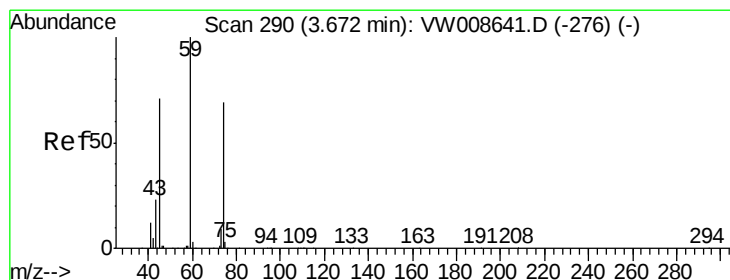
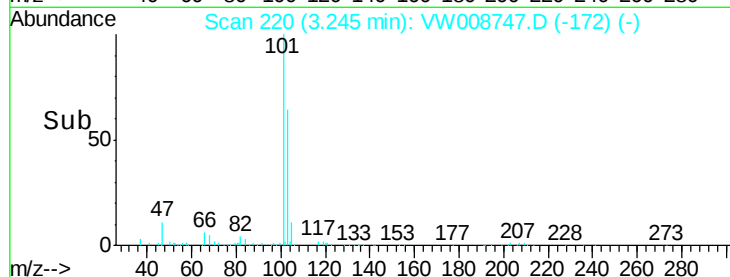
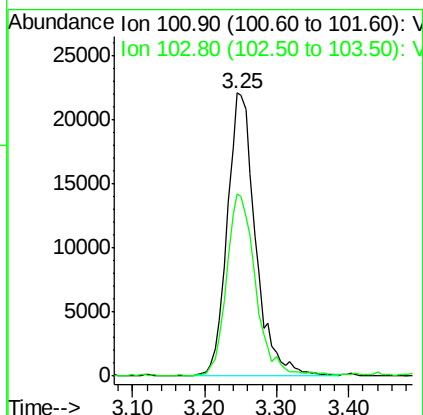
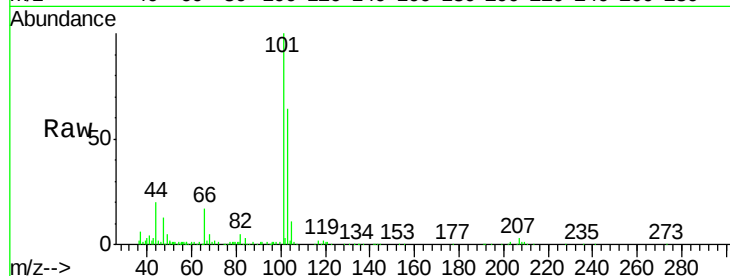


#7

Trichlorofluoromethane
 Concen: 17.743 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0219SBSD01

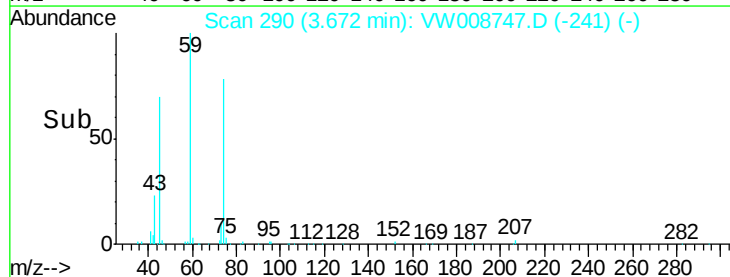
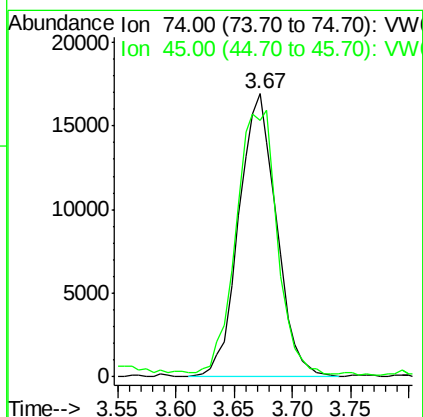
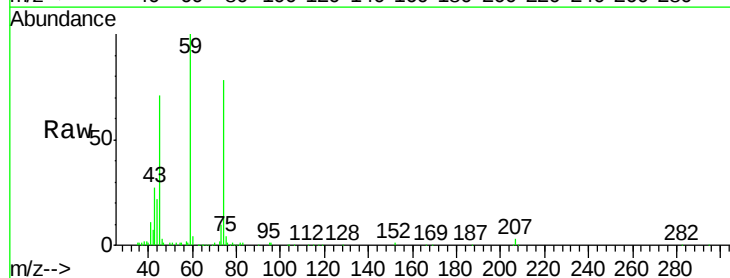
Tot Ion:101 Resp: 60605
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.5 75.7

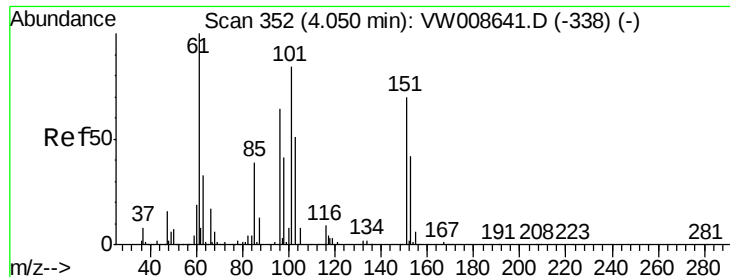


#8

Diethyl Ether
 Concen: 18.759 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Tgt Ion: 74 Resp: 38238
 Ion Ratio Lower Upper
 74 100
 45 100.8 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.307 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

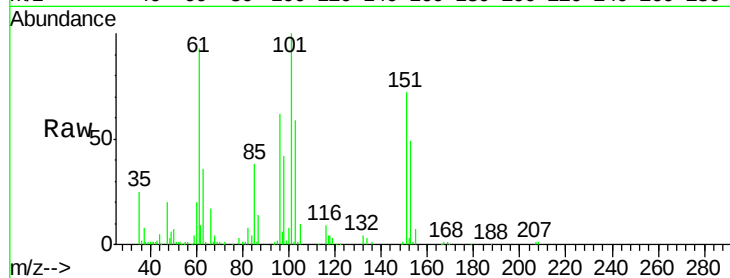
Tot Ion:101 Resp: 73304

Ion Ratio Lower Upper

101 100

85 43.3 34.3 51.5

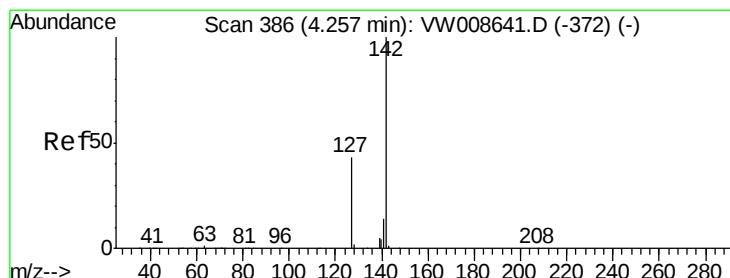
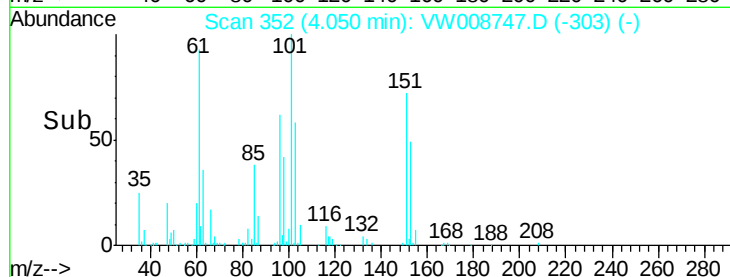
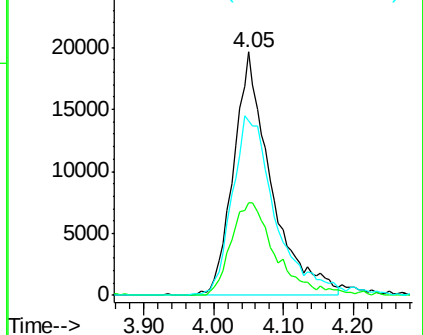
151 84.5 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.036 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.01 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

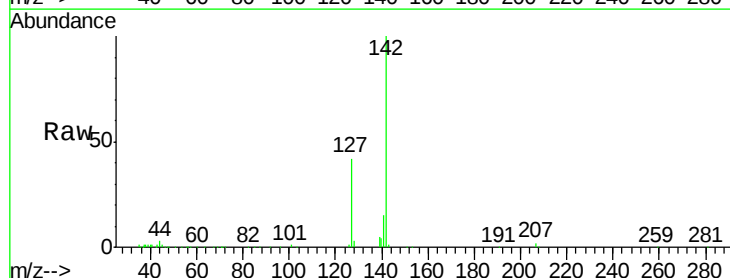
Tgt Ion:142 Resp: 112881

Ion Ratio Lower Upper

142 100

127 43.3 34.8 52.2

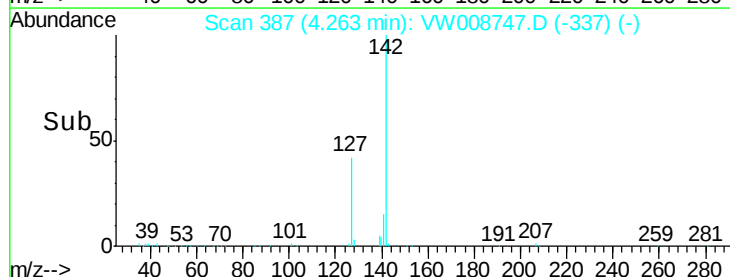
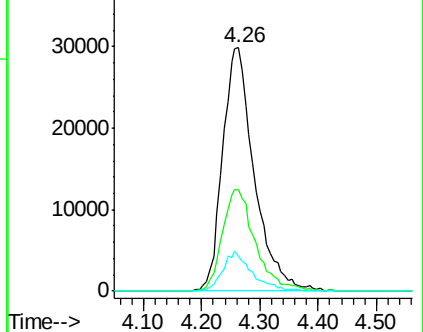
141 15.1 11.8 17.8

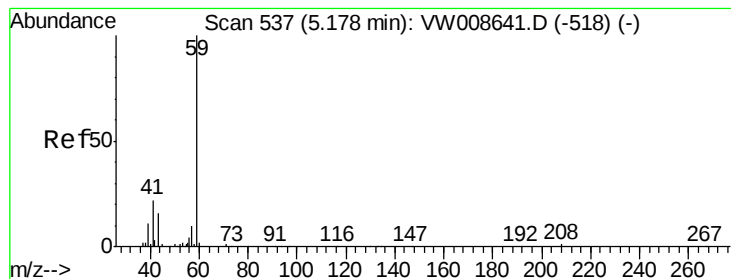


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



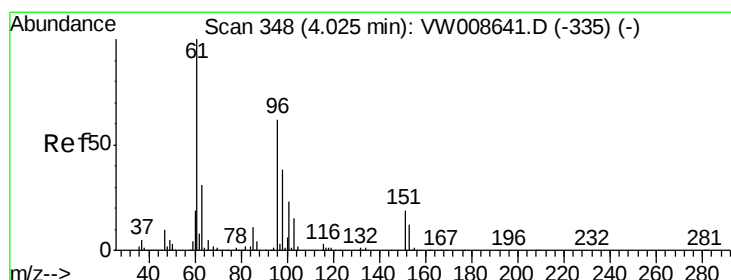
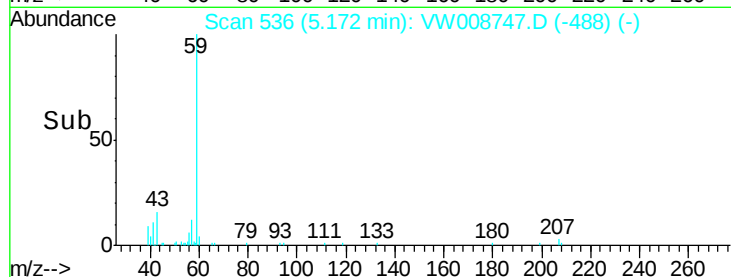
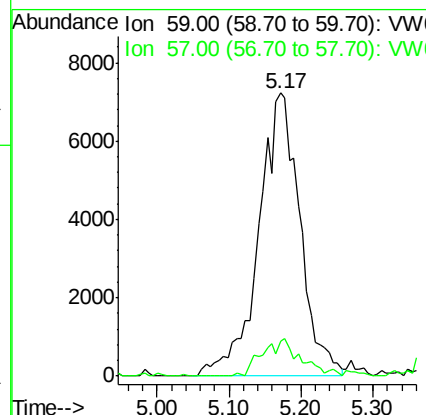
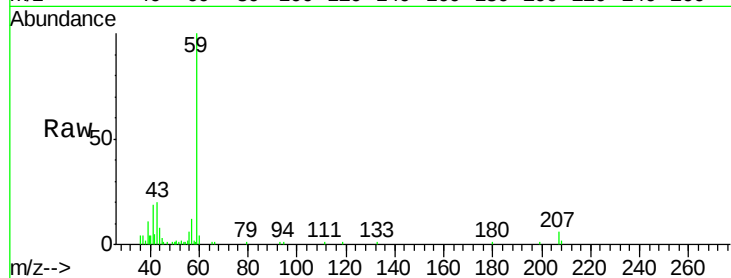


#11

Tert butyl alcohol
 Concen: 95.375 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0219SBS01

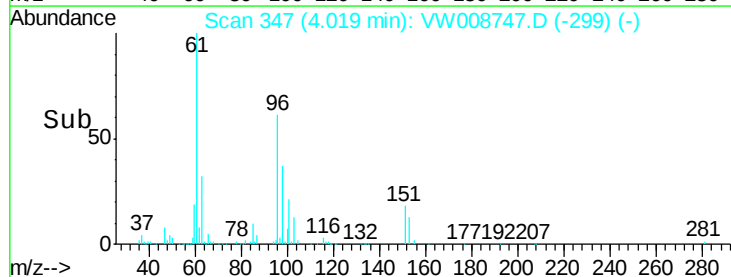
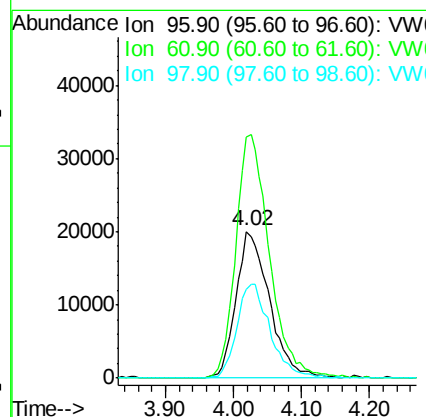
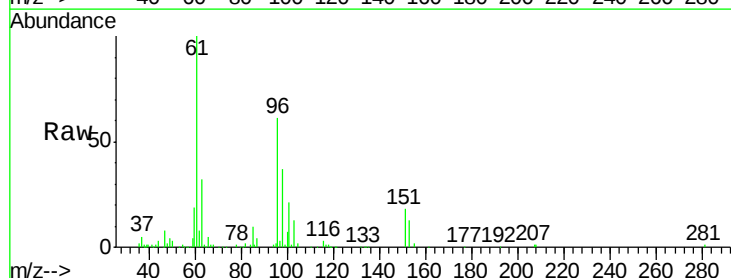
Tot Ion: 59 Resp: 28687
 Ion Ratio Lower Upper
 59 100
 57 12.4 8.3 12.5

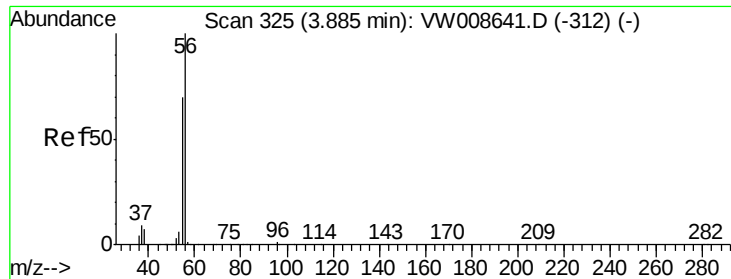


#12

1,1-Dichloroethene
 Concen: 19.503 ug/l
 RT: 4.02 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Tgt Ion: 96 Resp: 68849
 Ion Ratio Lower Upper
 96 100
 61 164.6 129.8 194.6
 98 60.5 49.3 73.9

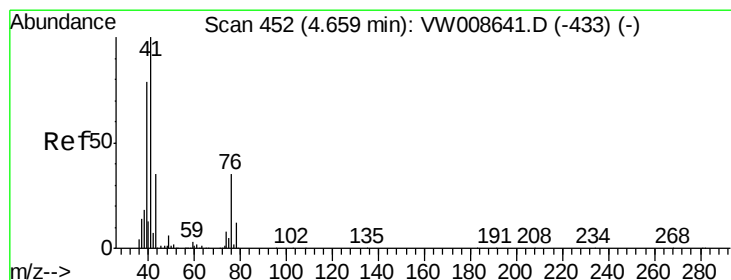
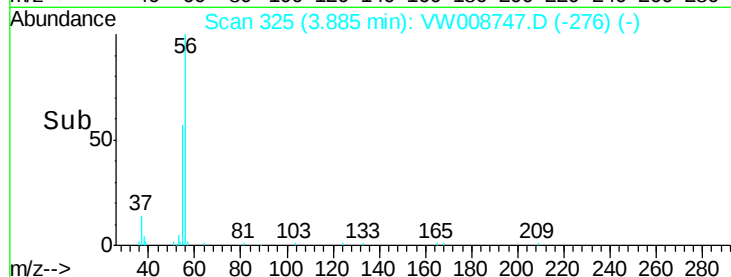
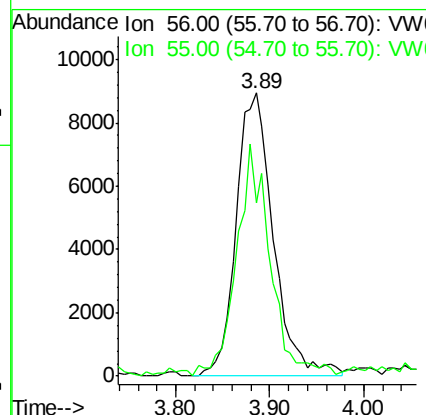
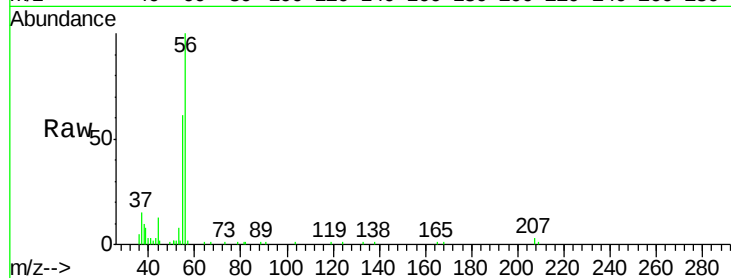




#13
Acrolein
Concen: 78.853 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

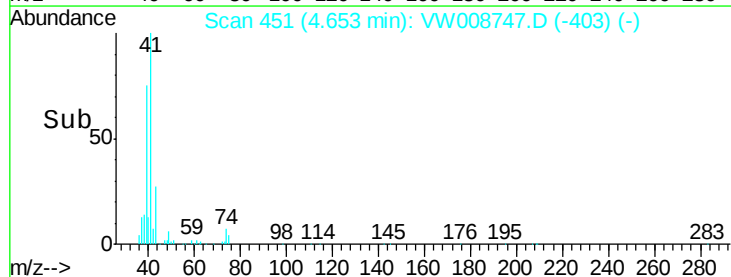
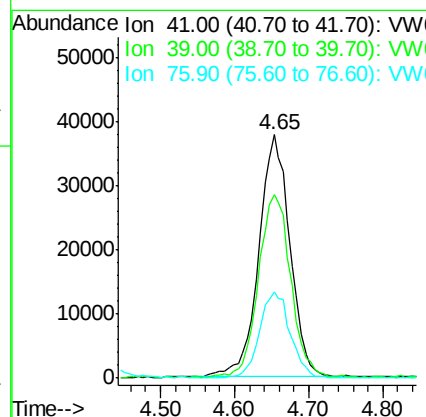
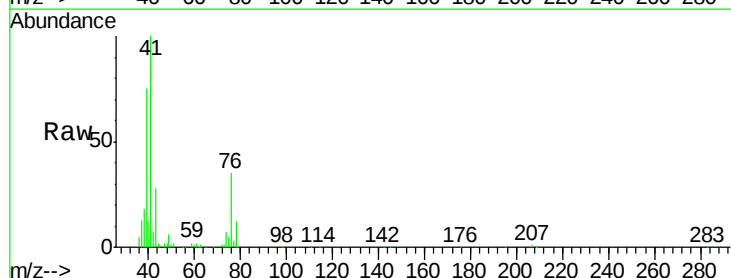
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBSD01

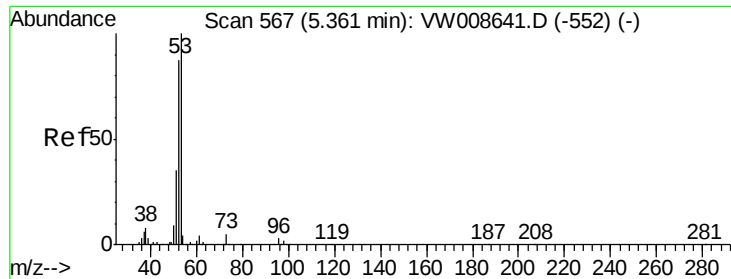
Tot Ion: 56 Resp: 24436
Ion Ratio Lower Upper
56 100
55 74.1 57.4 86.2



#14
Allyl chloride
Concen: 18.795 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion: 41 Resp: 110237
Ion Ratio Lower Upper
41 100
39 77.9 61.7 92.5
76 35.3 27.7 41.5





#15

Acrylonitrile

Concen: 92.086 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

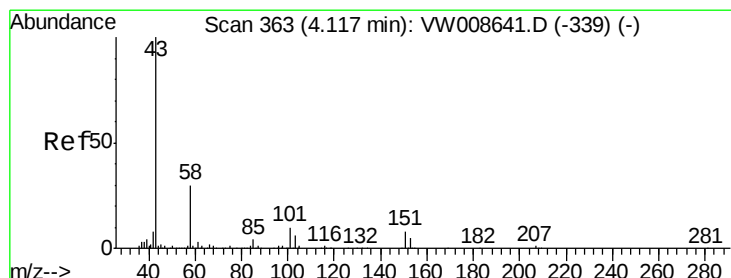
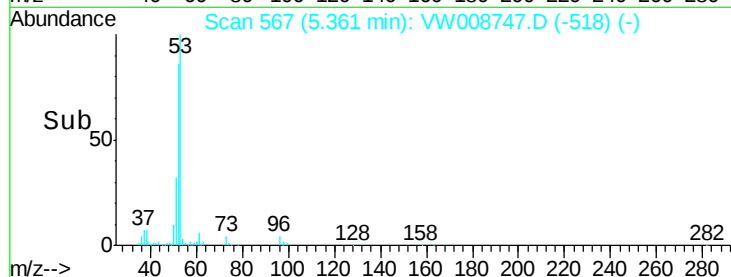
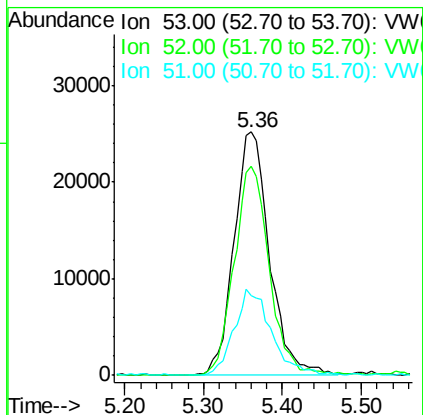
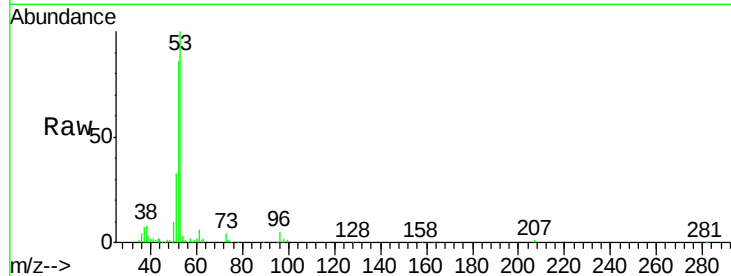
Tot Ion: 53 Resp: 79007

Ion Ratio Lower Upper

53 100

52 84.8 66.8 100.2

51 37.0 29.4 44.0



#16

Acetone

Concen: 88.458 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008747.D

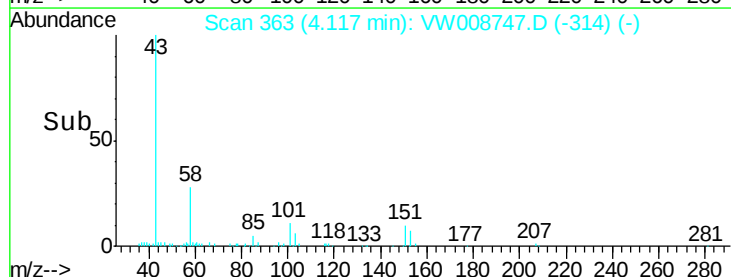
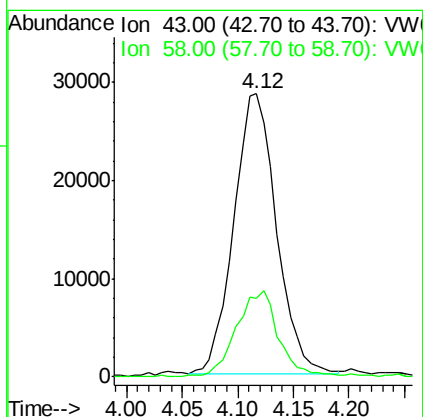
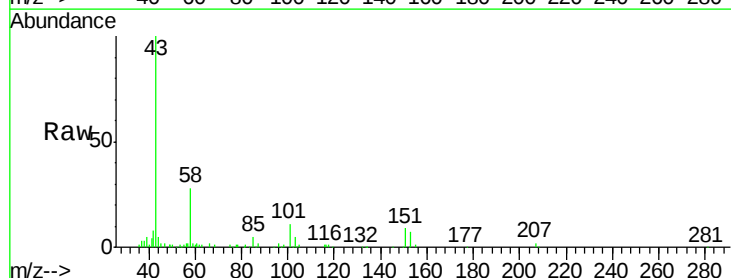
Acq: 19 Feb 2019 12:51

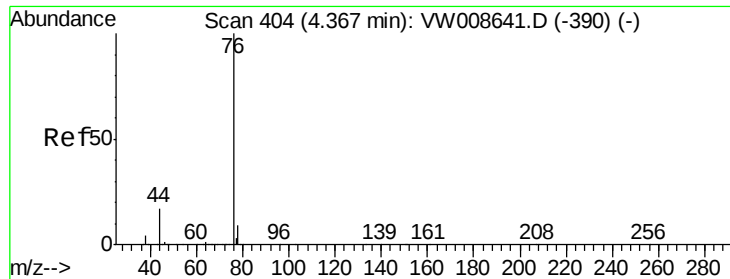
Tgt Ion: 43 Resp: 75672

Ion Ratio Lower Upper

43 100

58 27.7 24.1 36.1





#17

Carbon Disulfide

Concen: 18.937 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

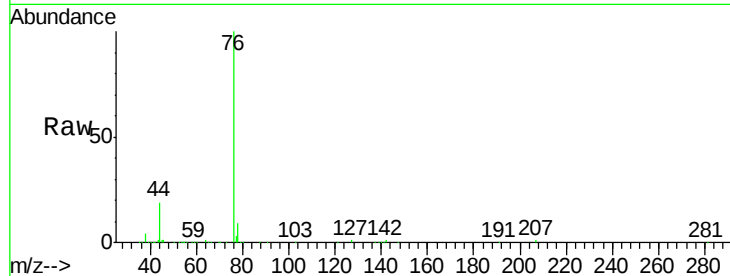
VW0219SBSD01

Tot Ion: 76 Resp: 201739

Ion Ratio Lower Upper

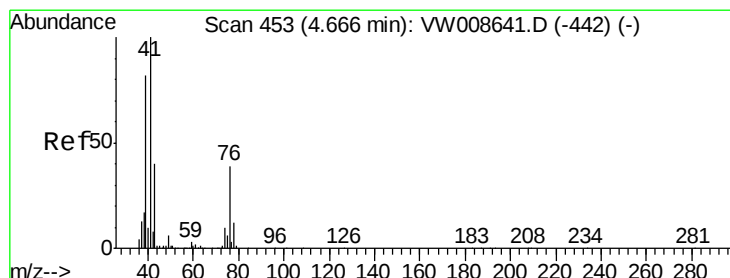
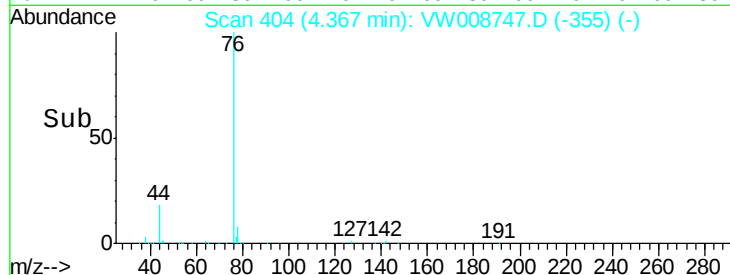
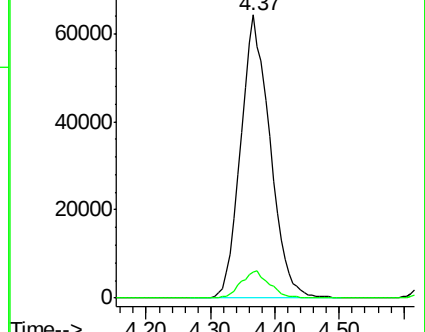
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.465 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008747.D

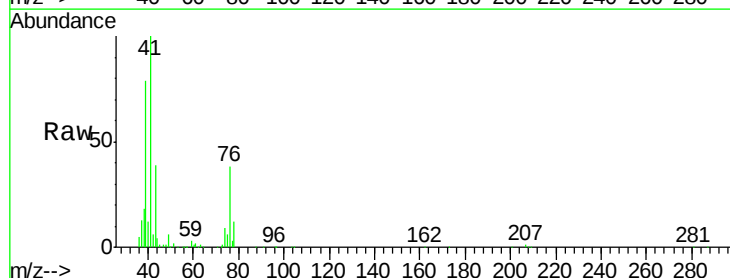
Acq: 19 Feb 2019 12:51

Tgt Ion: 43 Resp: 36096

Ion Ratio Lower Upper

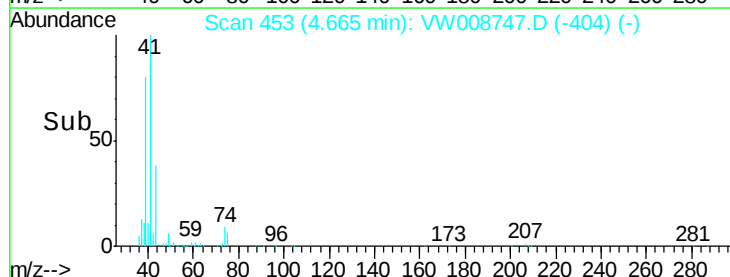
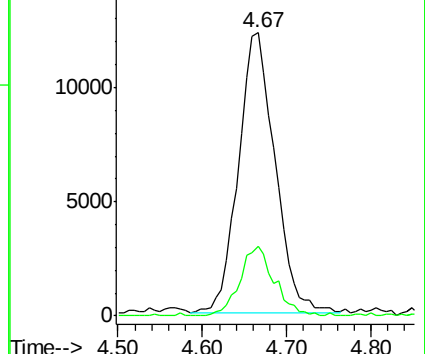
43 100

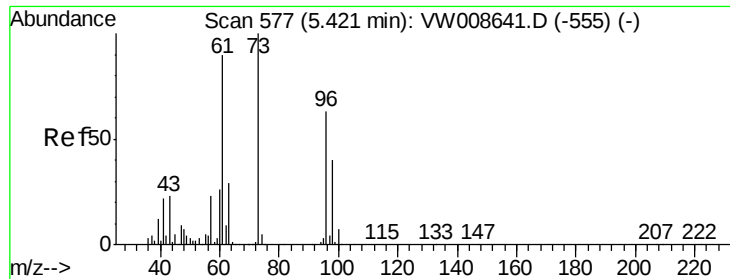
74 23.2 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



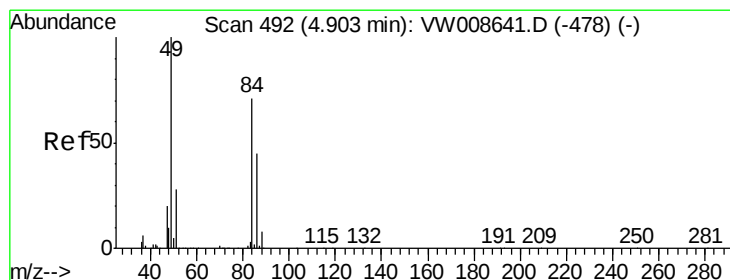
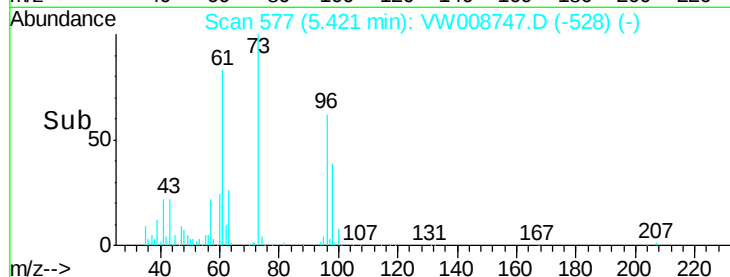
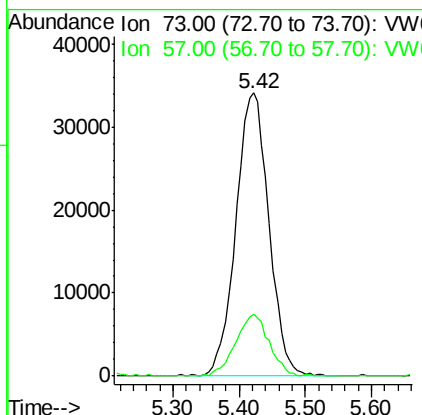
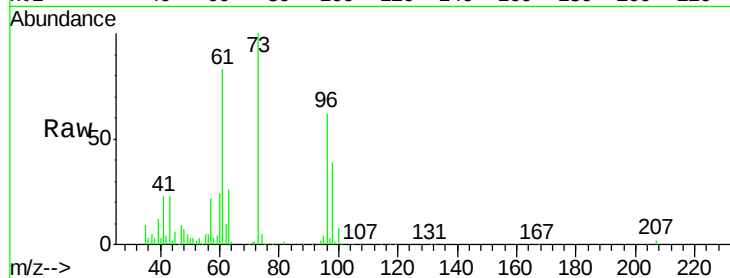


#19

Methyl tert-butyl Ether
 Concen: 19.028 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0219SBSD01

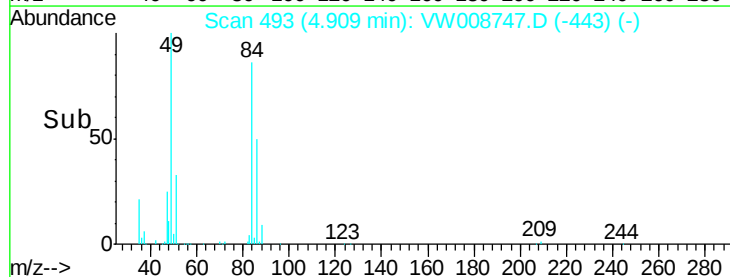
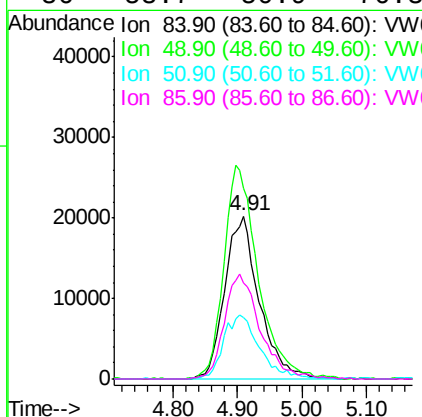
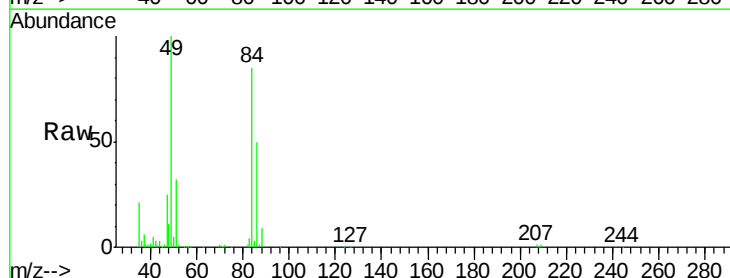
Tot Ion: 73 Resp: 117917
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.2 27.2

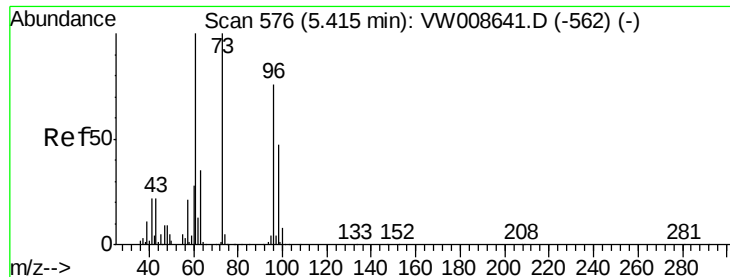


#20

Methylene Chloride
 Concen: 15.045 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Tgt Ion: 84 Resp: 75769
 Ion Ratio Lower Upper
 84 100
 49 116.9 113.3 169.9
 51 37.9 32.1 48.1
 86 58.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.910 ug/l

RT: 5.40 min Scan# 574

Delta R.T. -0.01 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

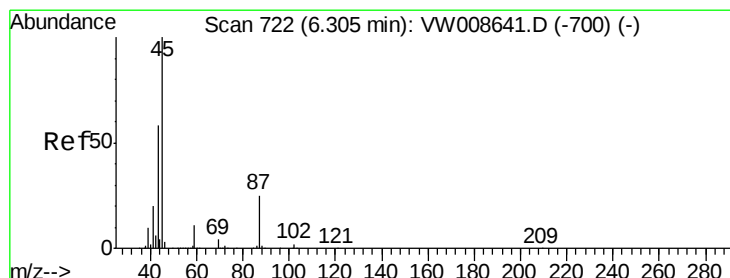
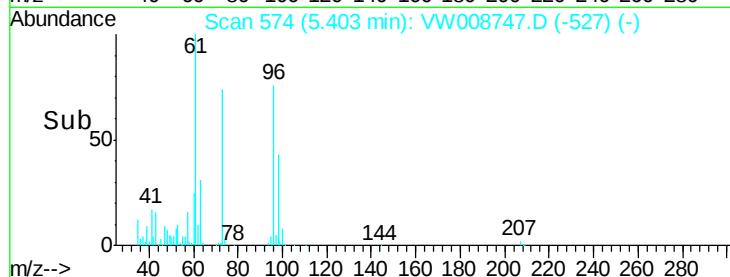
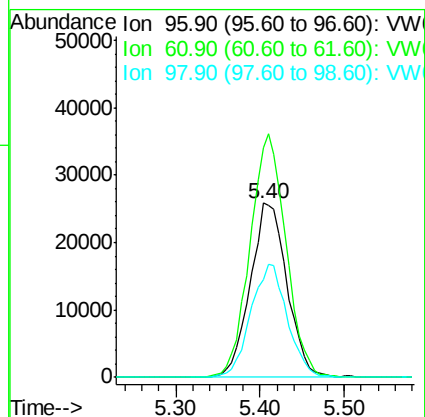
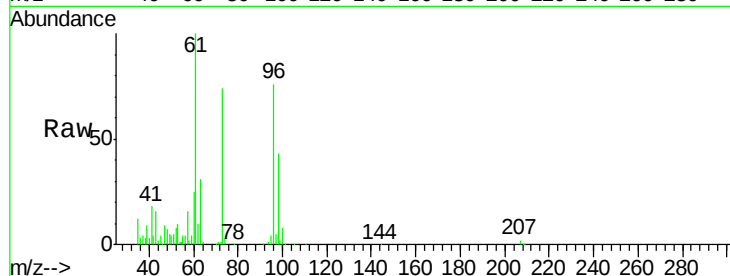
Tot Ion: 96 Resp: 76970

Ion Ratio Lower Upper

96 100

61 131.6 105.9 158.9

98 55.9 49.8 74.6



#22

Diisopropyl ether

Concen: 18.923 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Tgt Ion: 45 Resp: 223373

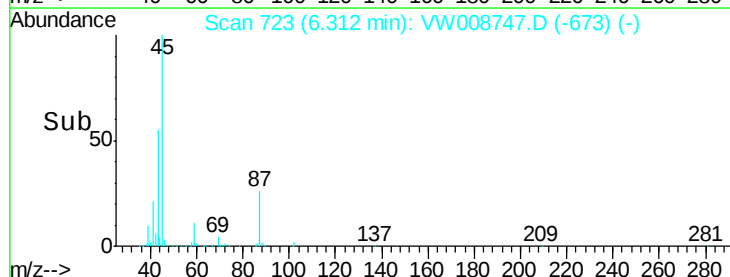
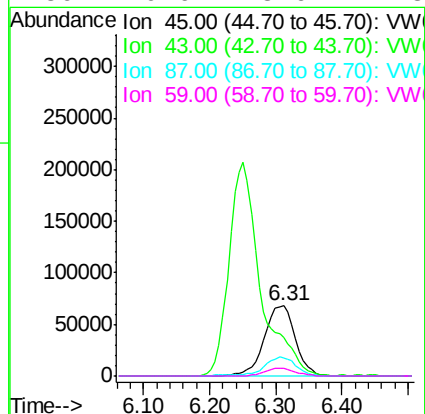
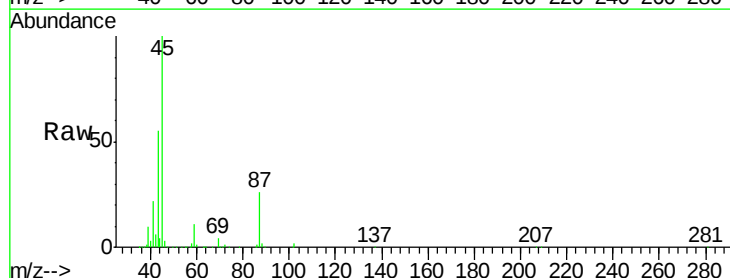
Ion Ratio Lower Upper

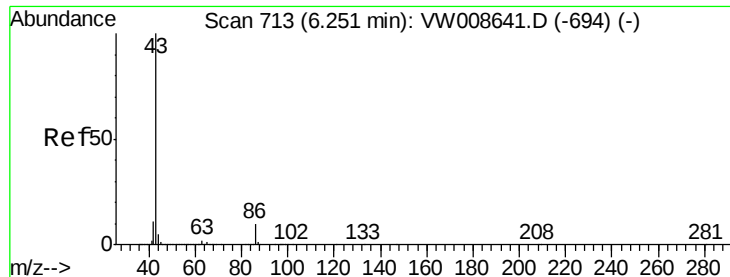
45 100

43 55.3 46.1 69.1

87 25.9 20.5 30.7

59 10.6 8.6 12.8





#23

Vinyl Acetate

Concen: 89.619 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleID :

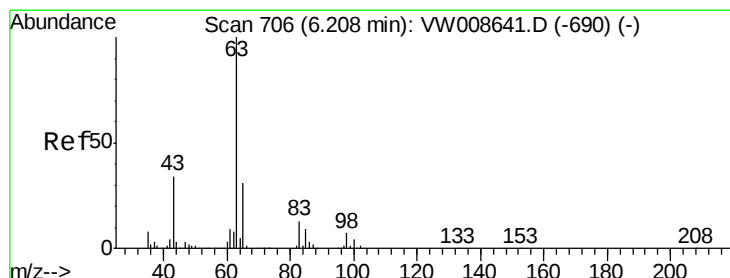
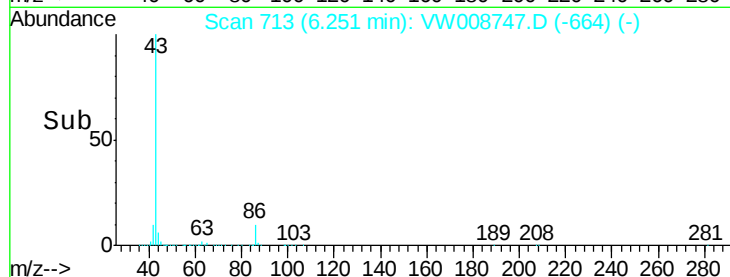
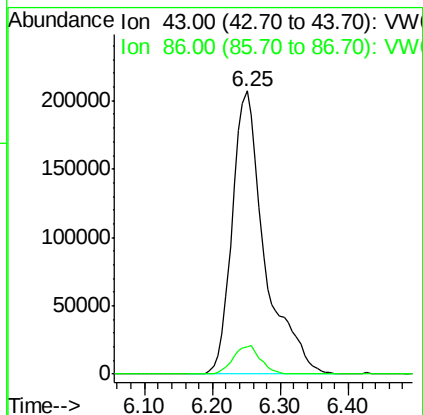
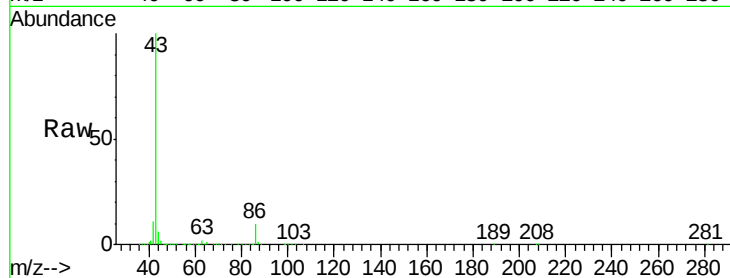
VW0219SBSD01

Tot Ion: 43 Resp: 686604

Ion Ratio Lower Upper

43 100

86 9.7 7.9 11.9



#24

1,1-Dichloroethane

Concen: 19.228 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

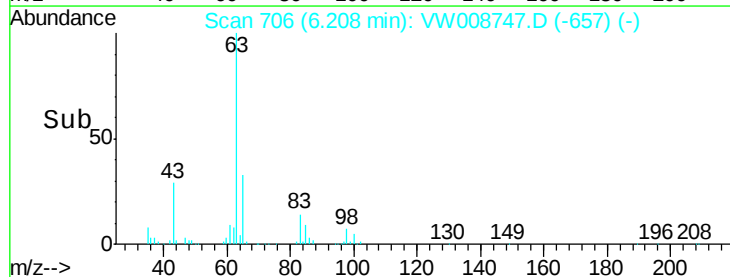
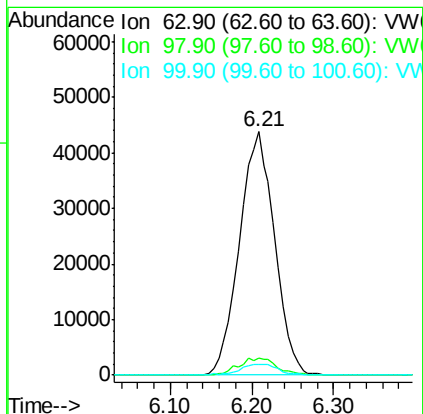
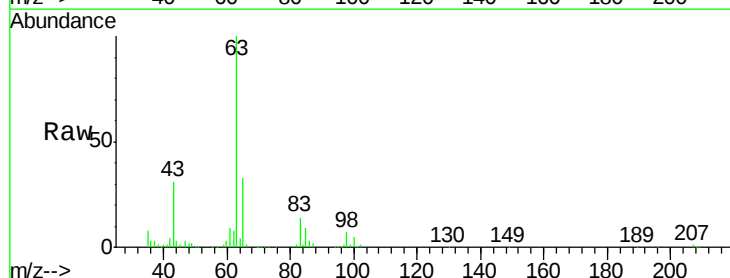
Tgt Ion: 63 Resp: 130973

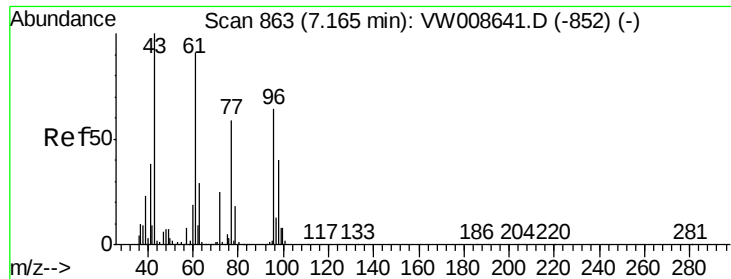
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 89.341 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

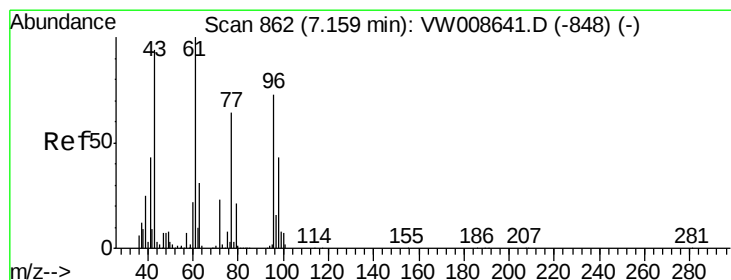
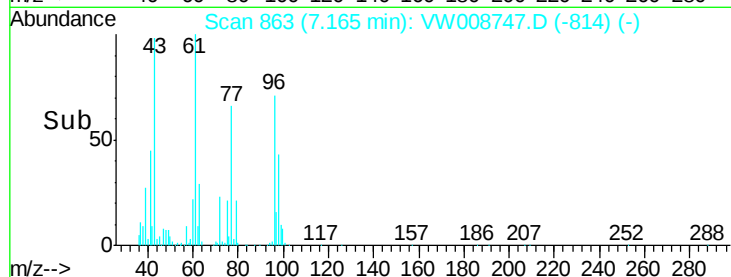
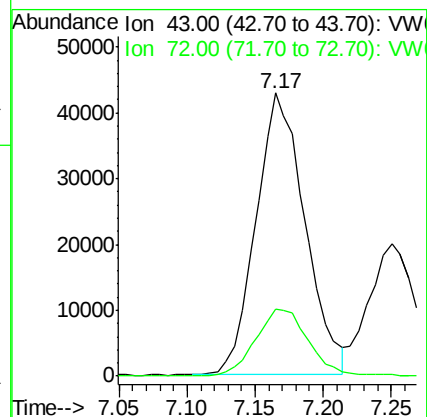
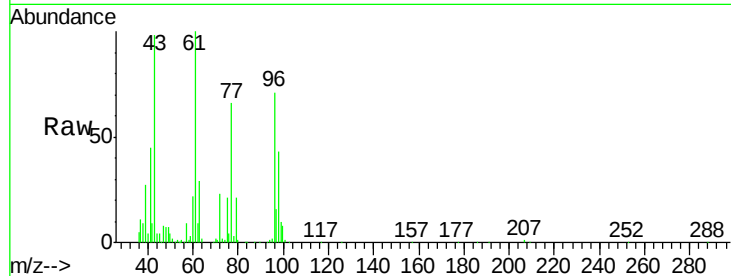
VW0219SBSD01

Tot Ion: 43 Resp: 107919

Ion Ratio Lower Upper

43 100

72 23.8 19.7 29.5



#26

2,2-Dichloropropane

Concen: 21.237 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008747.D

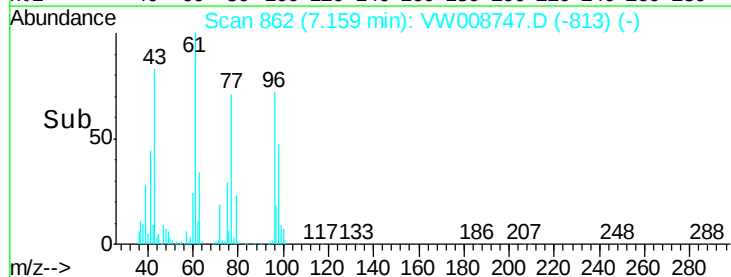
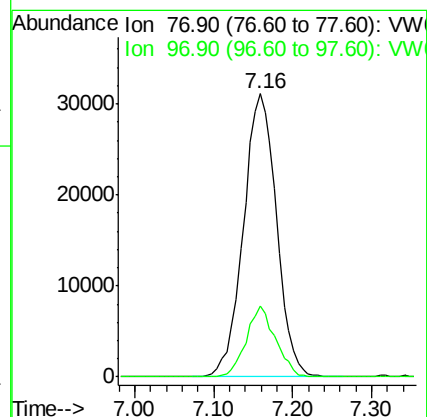
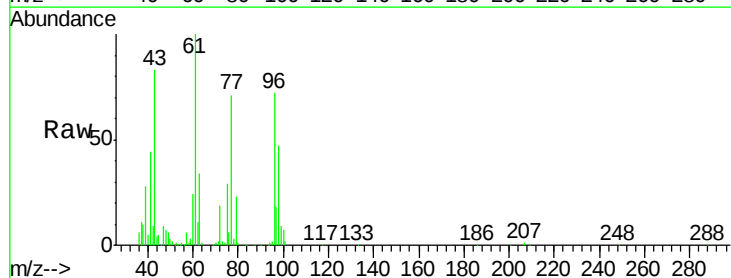
Acq: 19 Feb 2019 12:51

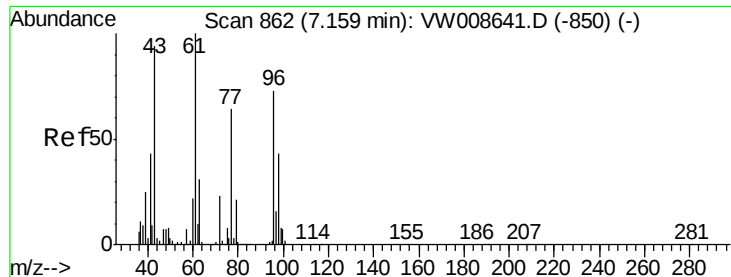
Tgt Ion: 77 Resp: 90369

Ion Ratio Lower Upper

77 100

97 22.1 11.7 35.0



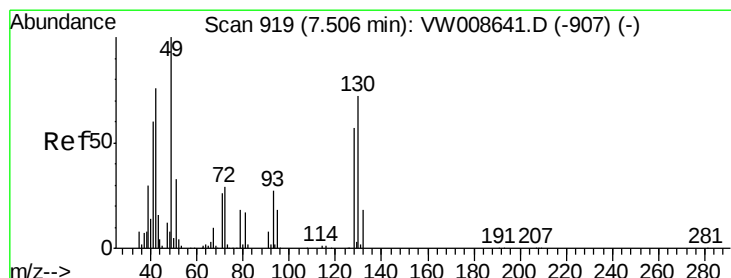
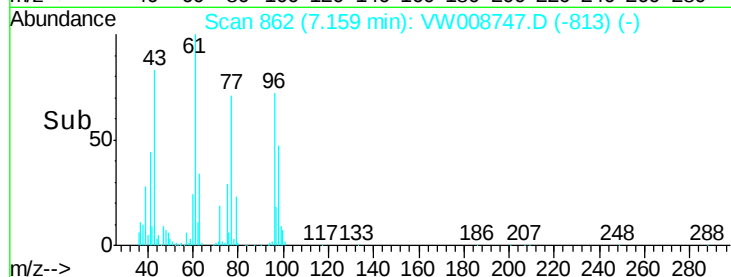
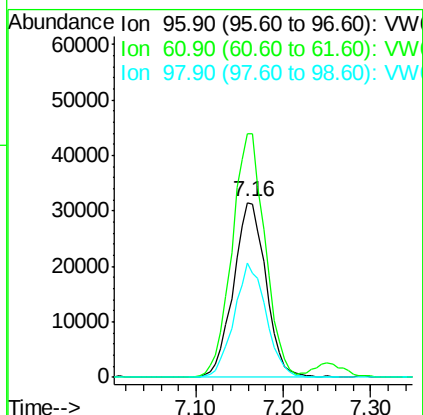
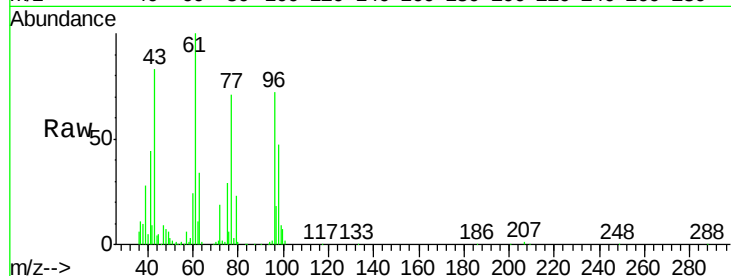


#27

cis-1,2-Dichloroethene
 Concen: 19.461 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0219SBSD01

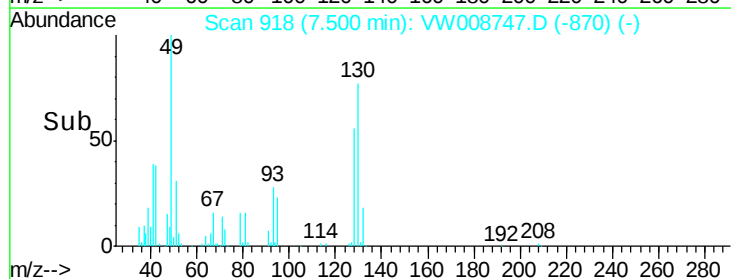
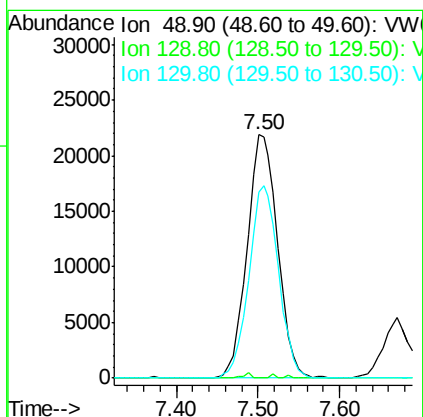
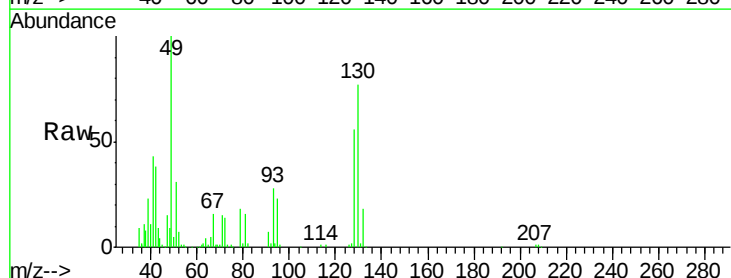
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	286.4
98	64.2	0.0	125.0

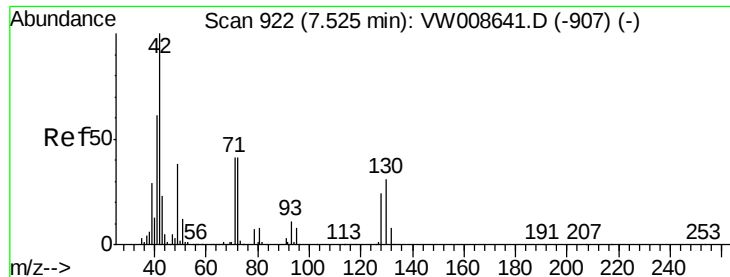


#28

Bromochloromethane
 Concen: 19.799 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	77.2	59.4	89.0





#29

Tetrahydrofuran

Concen: 89.116 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampled :

VW0219SBS01

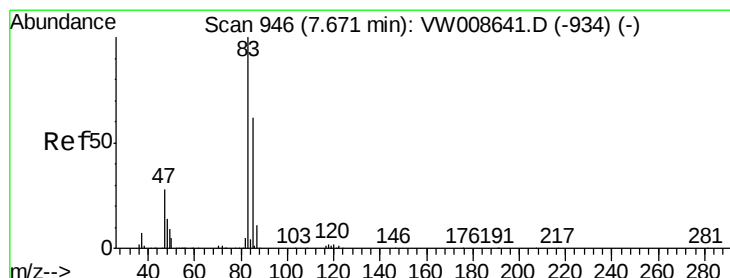
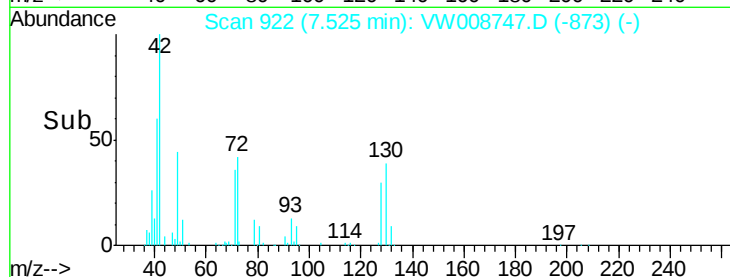
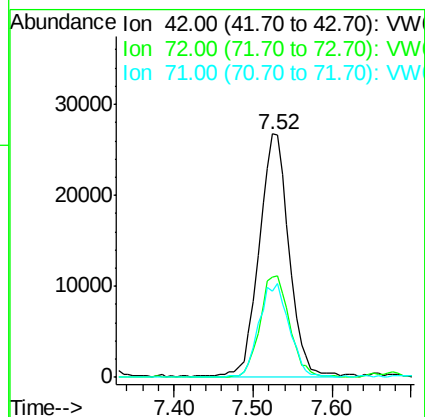
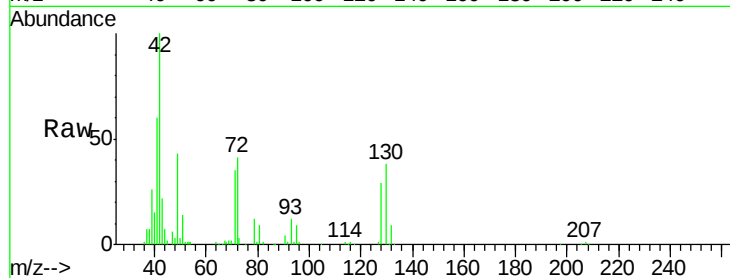
Tot Ion: 42 Resp: 70952

Ion Ratio Lower Upper

42 100

72 41.5 32.2 48.2

71 38.6 31.0 46.6



#30

Chloroform

Concen: 19.641 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW008747.D

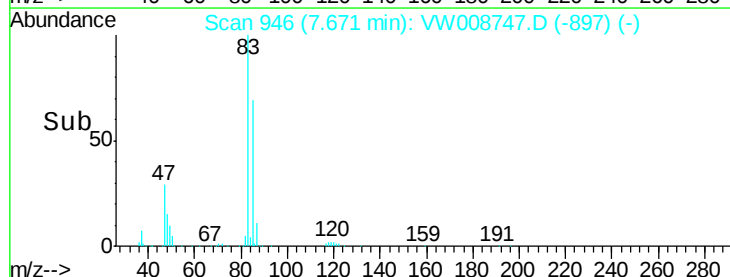
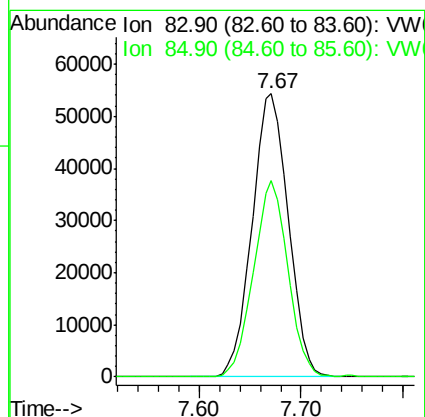
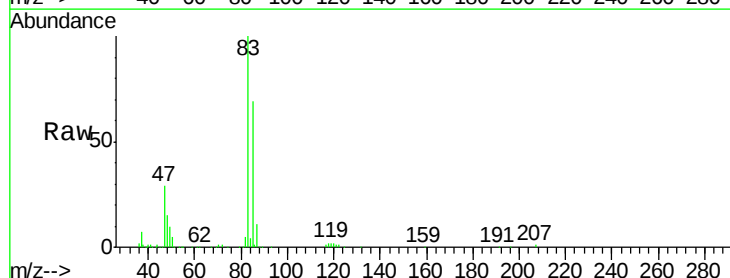
Acq: 19 Feb 2019 12:51

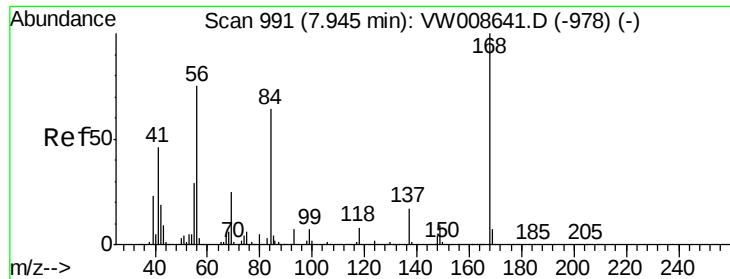
Tgt Ion: 83 Resp: 134059

Ion Ratio Lower Upper

83 100

85 69.2 49.8 74.8

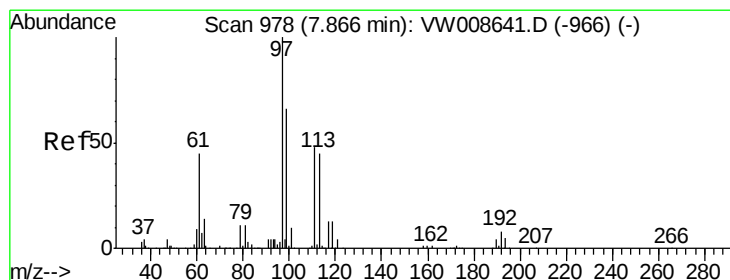
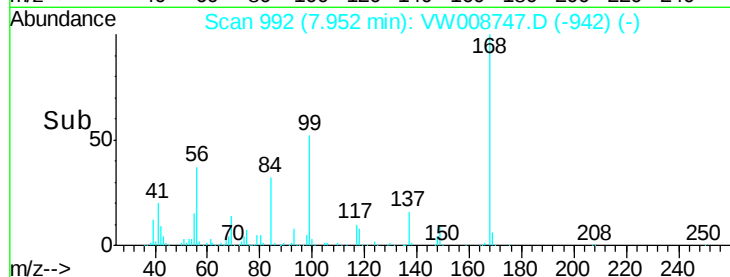
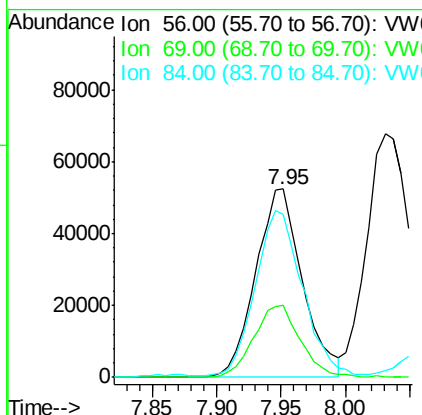
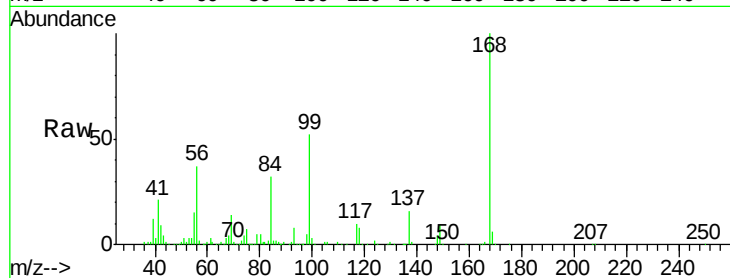




#31
Cyclohexane
Concen: 19.163 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

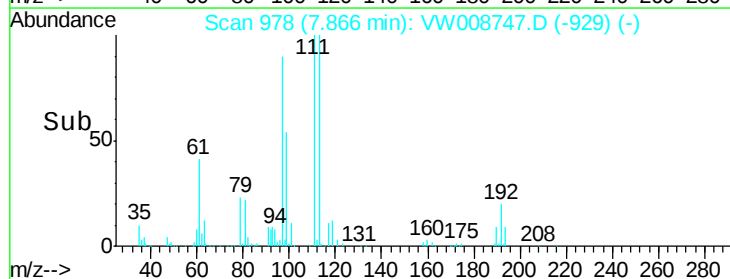
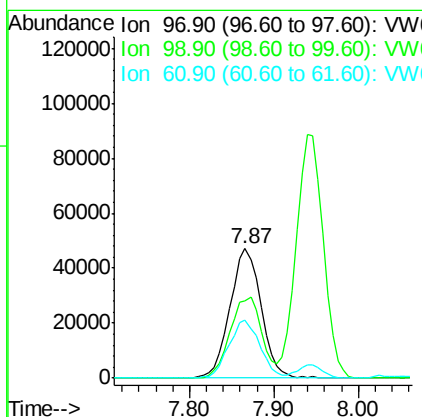
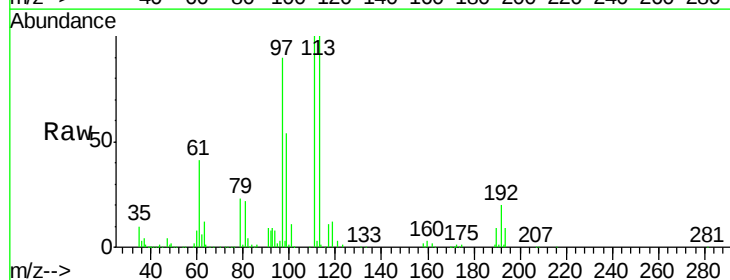
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBS01

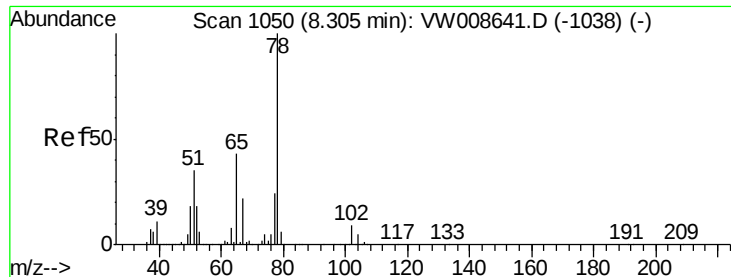
Tot Ion: 56 Resp: 131750
Ion Ratio Lower Upper
56 100
69 38.4 26.4 39.6
84 85.8 67.4 101.2



#32
1,1,1-Trichloroethane
Concen: 20.439 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion: 97 Resp: 117819
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 44.4 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 48.546 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

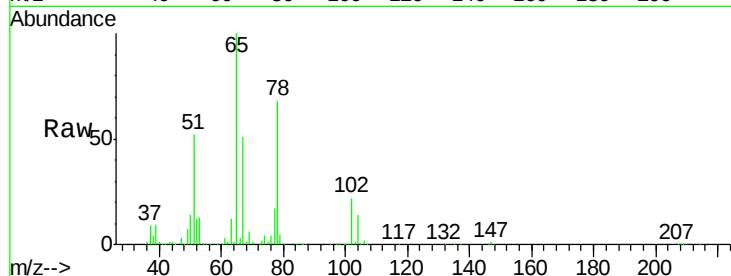
VW0219SBSD01

Tot Ion: 65 Resp: 182501

Ion Ratio Lower Upper

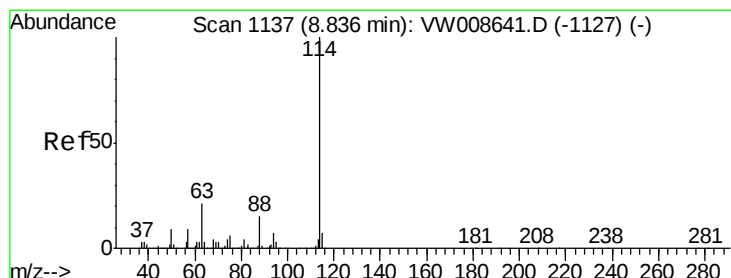
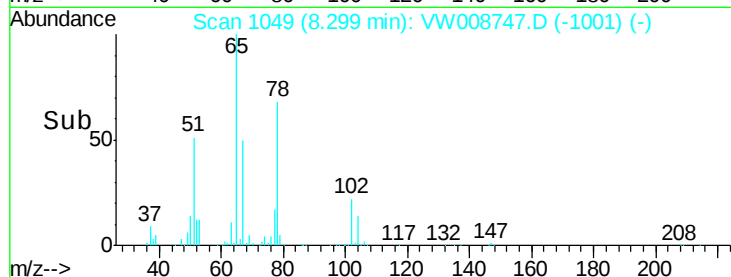
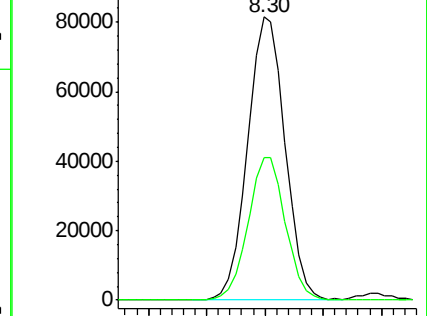
65 100

67 50.7 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

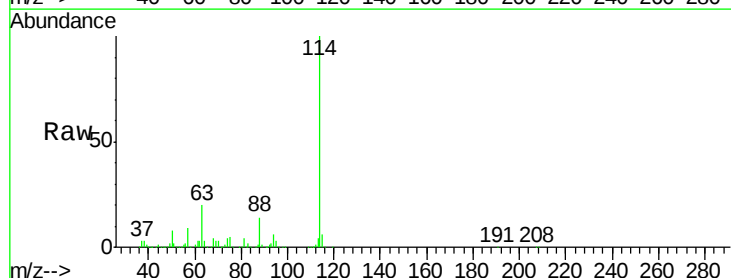
Tgt Ion: 114 Resp: 536450

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.2

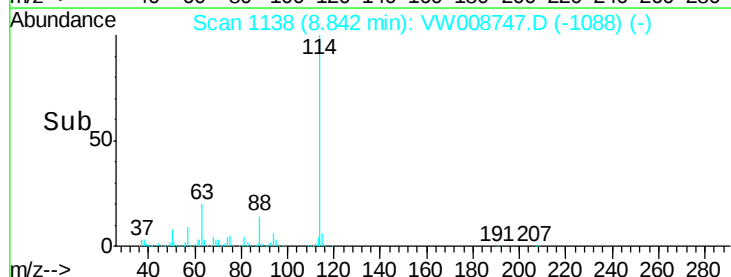
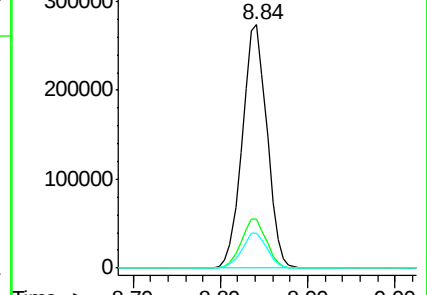
88 14.2 0.0 29.6

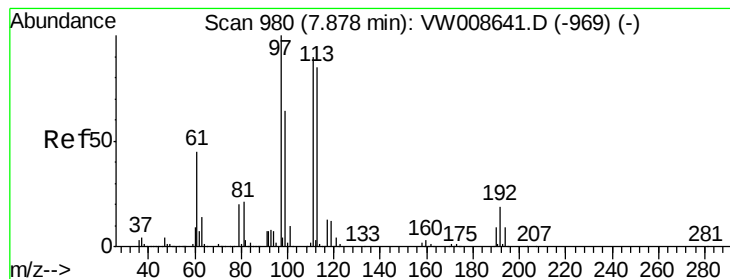


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.123 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

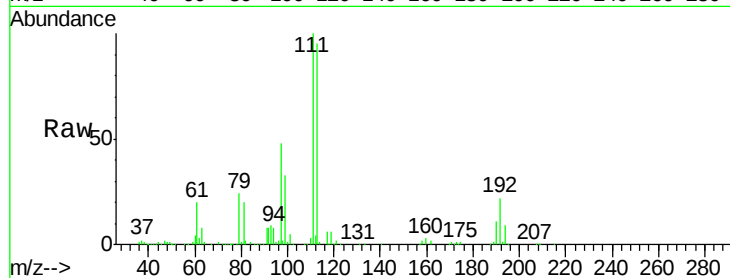
Tot Ion:113 Resp: 170292

Ion Ratio Lower Upper

113 100

111 103.0 84.0 126.0

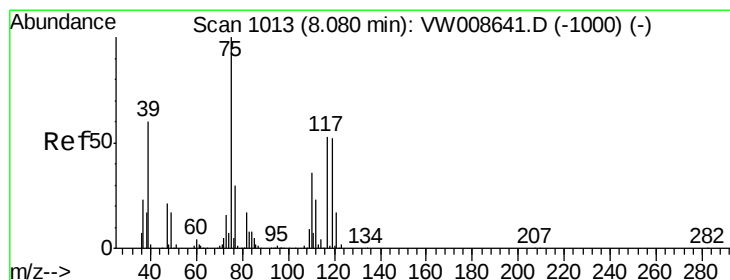
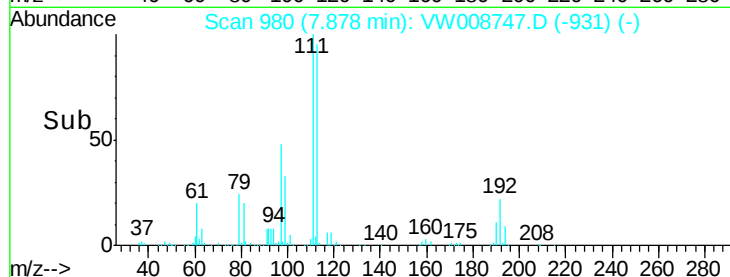
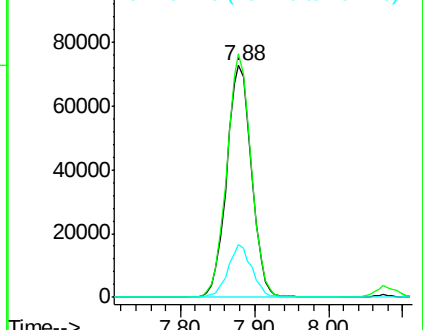
192 21.7 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.519 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

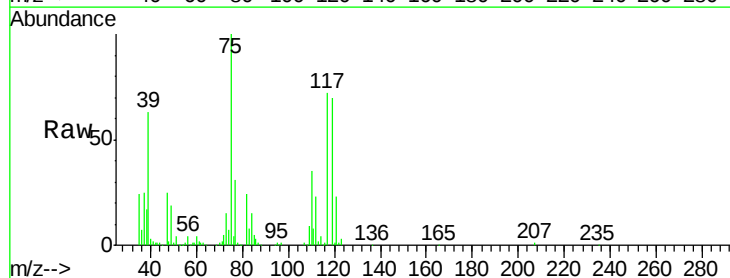
Tgt Ion: 75 Resp: 110588

Ion Ratio Lower Upper

75 100

110 35.9 17.8 53.3

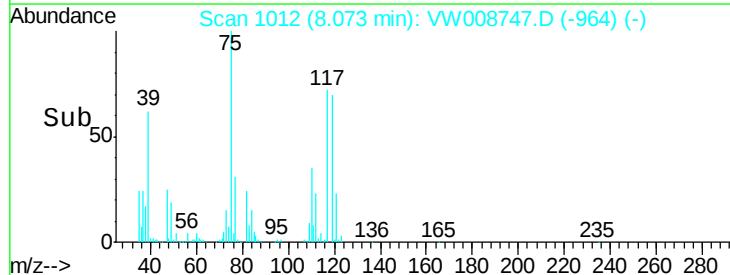
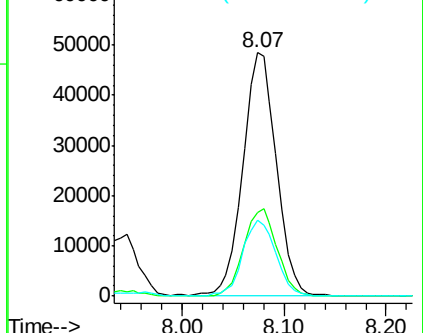
77 31.1 24.7 37.1

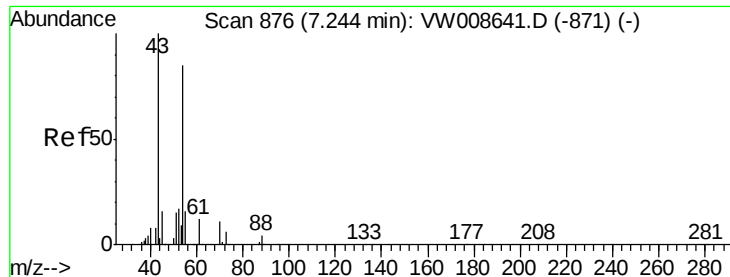


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

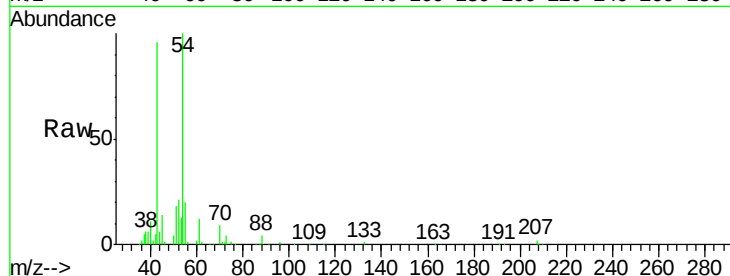




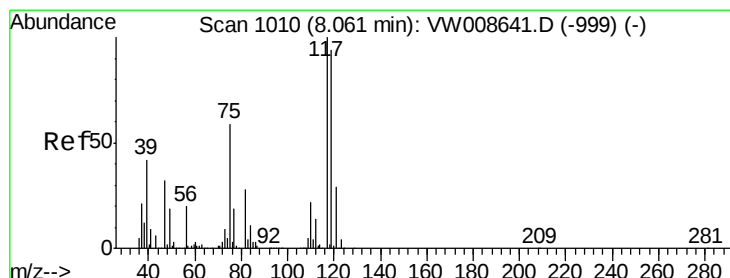
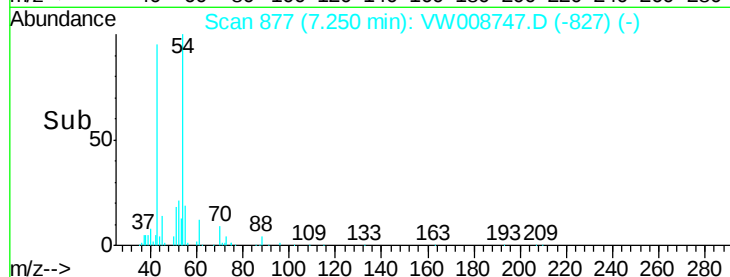
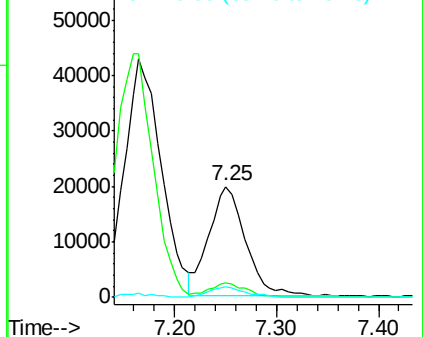
#37
Ethyl Acetate
Concen: 19.186 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Instrument :
MSVOA_W
ClientSampleId :
VW0219SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.4	8.1	12.1

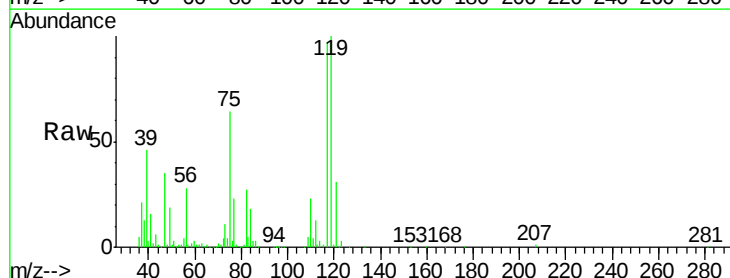


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

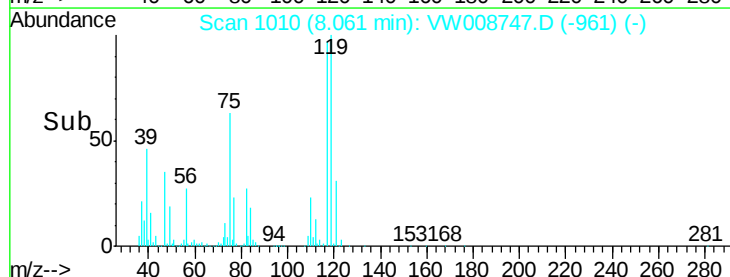
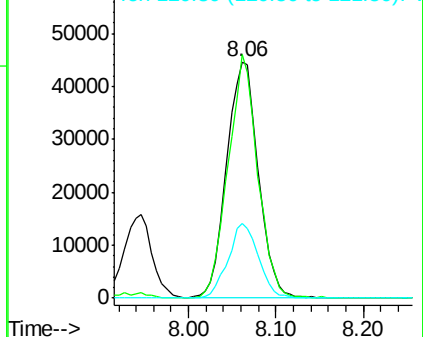


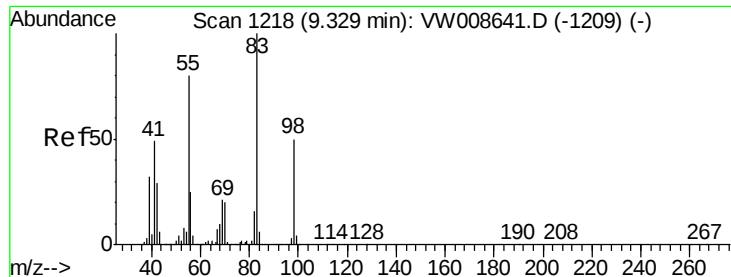
#38
Carbon Tetrachloride
Concen: 21.028 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.0	75.1	112.7
121	31.6	23.5	35.3



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

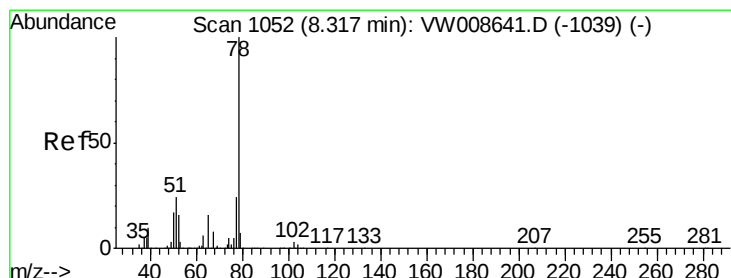
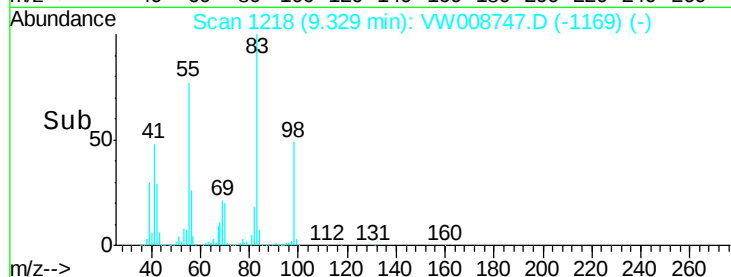
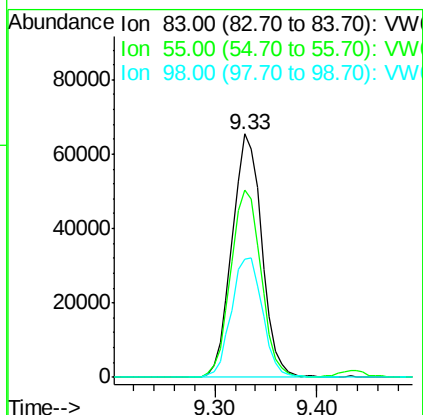
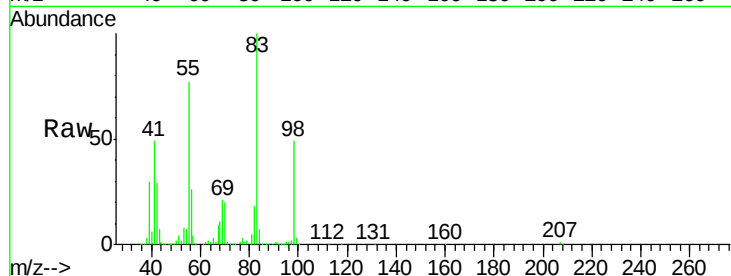




#39
Methvlcvclohexane
Concen: 19.421 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

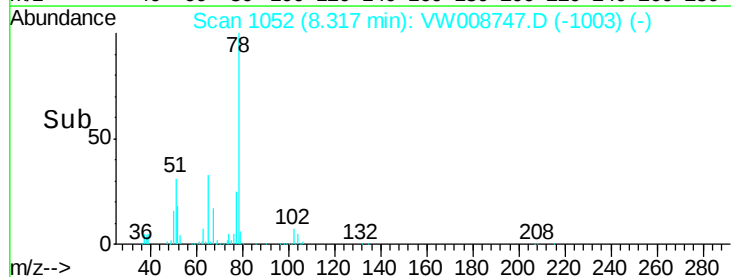
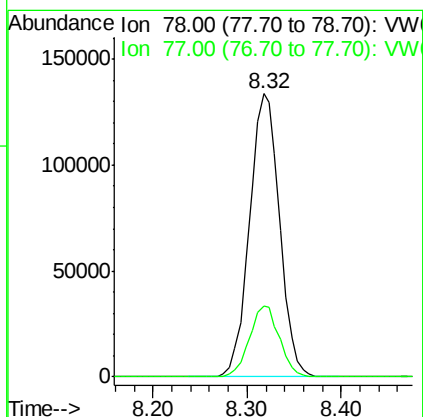
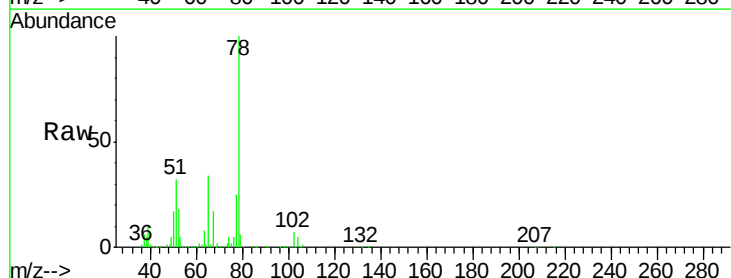
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBS01

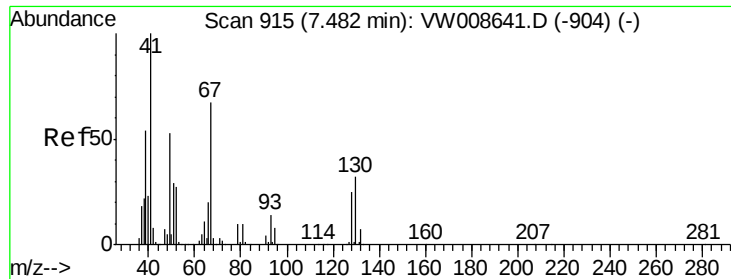
Tot Ion: 83 Resp: 132391
Ion Ratio Lower Upper
83 100
55 76.8 63.9 95.9
98 48.8 40.2 60.2



#40
Benzene
Concen: 20.336 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion: 78 Resp: 299338
Ion Ratio Lower Upper
78 100
77 25.1 19.5 29.3

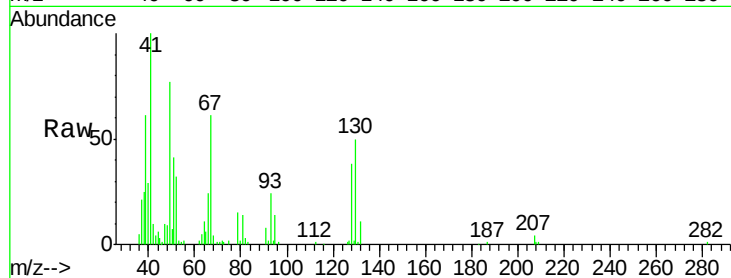




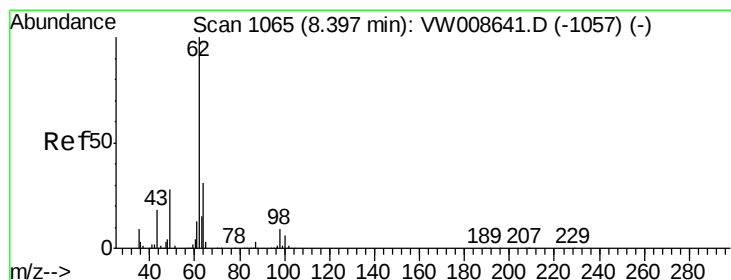
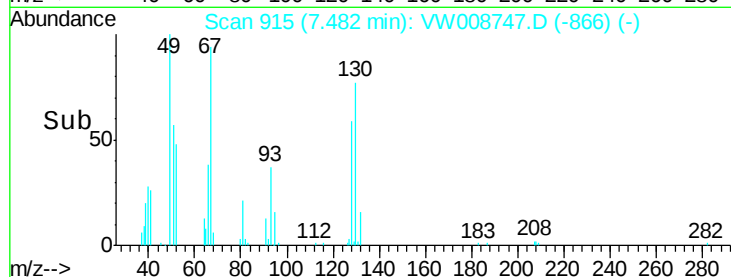
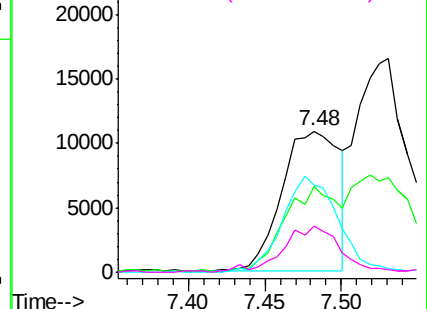
#41
Methacrylonitrile
Concen: 19.564 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Instrument :
MSVOA_W
ClientSampleId :
VW0219SBS01

Tot Ion:	41	Resp:	28618
Ion	Ratio	Lower	Upper
41	100		
39	57.5	39.7	59.5
67	66.0	52.5	78.7
52	32.7	23.1	34.7

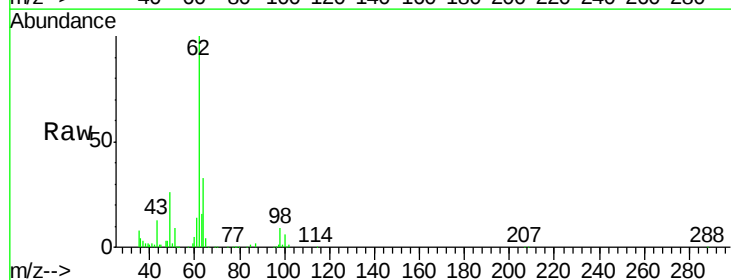


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

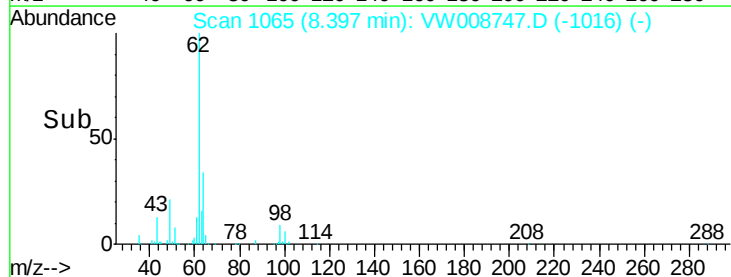
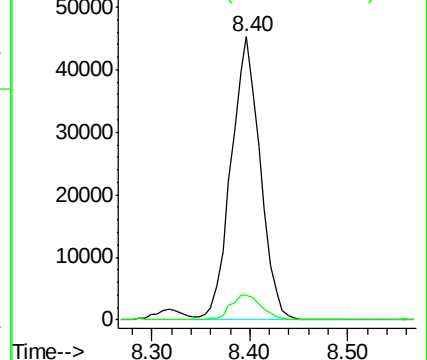


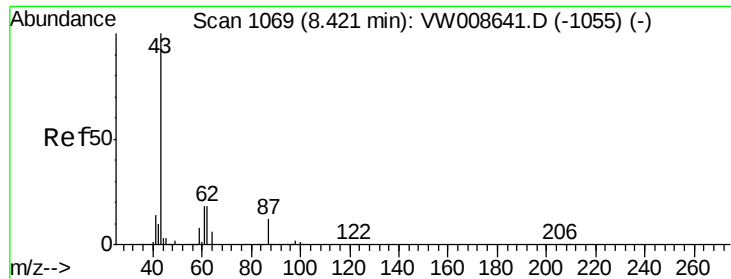
#42
1,2-Dichloroethane
Concen: 20.478 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion:	62	Resp:	93497
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 17.944 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

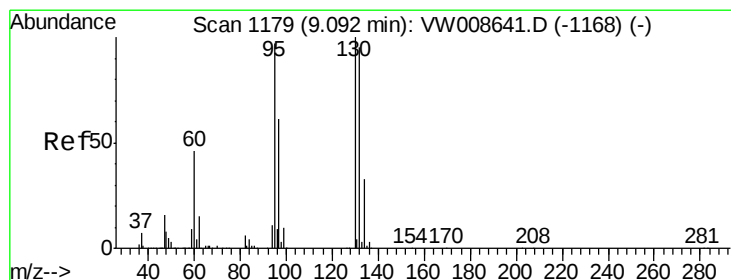
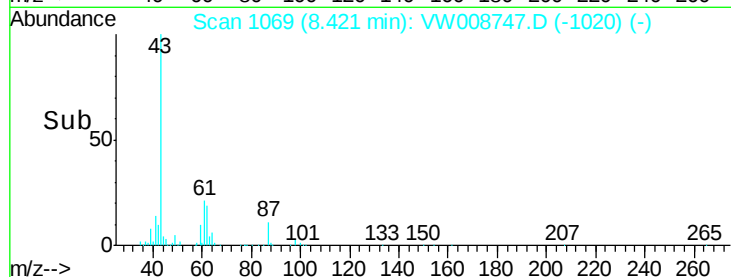
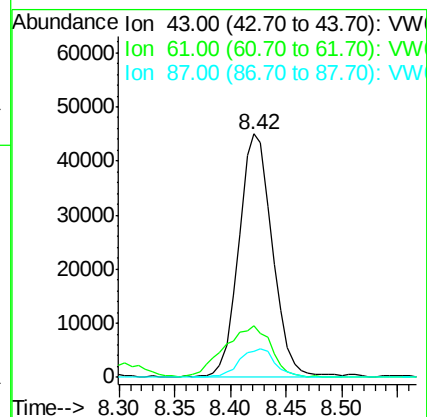
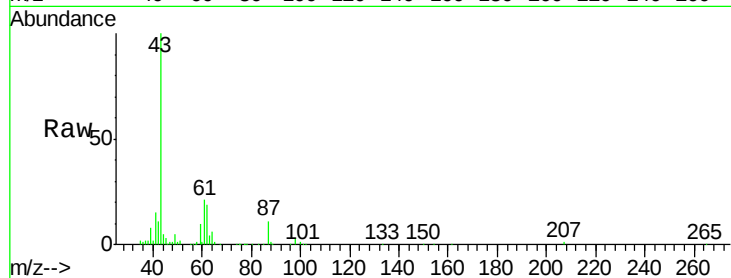
Tot Ion: 43 Resp: 93023

Ion Ratio Lower Upper

43 100

61 30.0 21.4 32.2

87 12.5 9.8 14.8



#44

Trichloroethene

Concen: 20.860 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008747.D

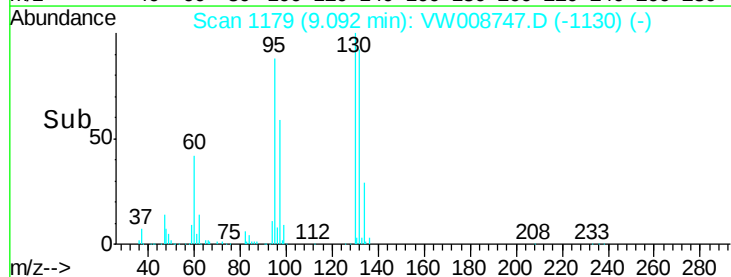
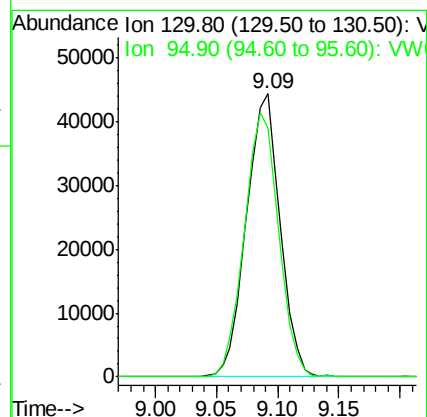
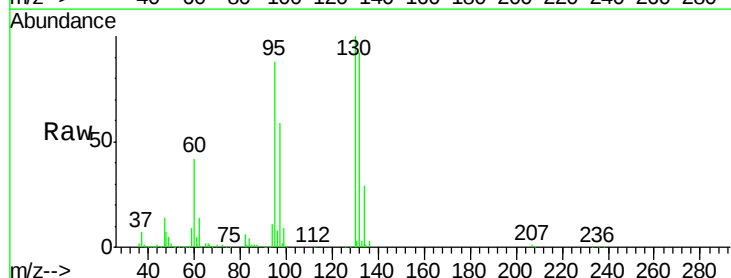
Acq: 19 Feb 2019 12:51

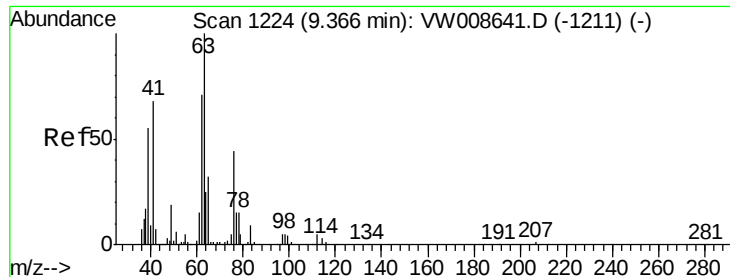
Tgt Ion: 130 Resp: 85135

Ion Ratio Lower Upper

130 100

95 88.0 0.0 193.4





#45

1,2-Dichloropropane

Concen: 19.563 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

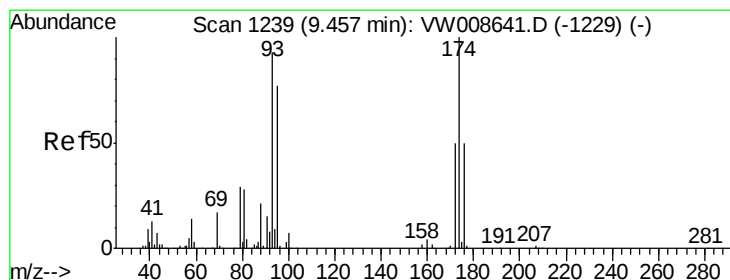
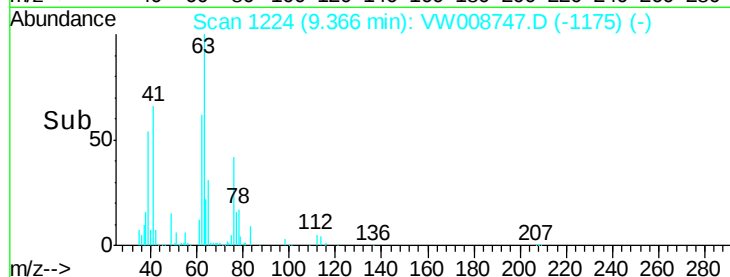
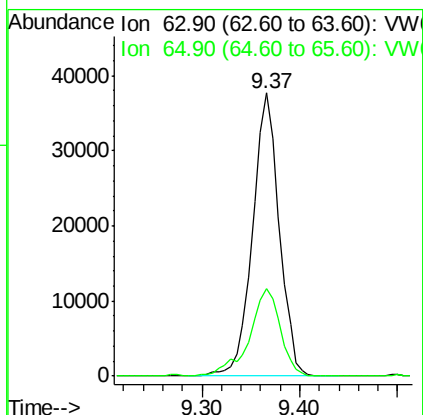
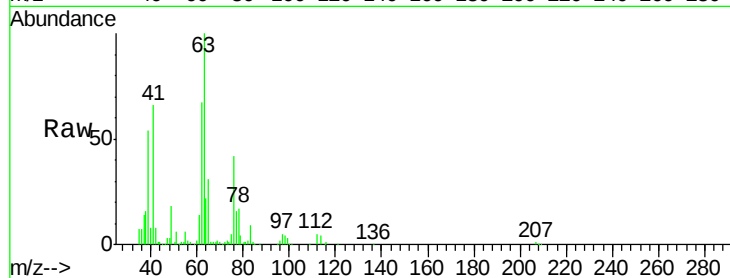
VW0219SBS01

Tot Ion: 63 Resp: 71264

Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.0



#46

Dibromomethane

Concen: 19.939 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

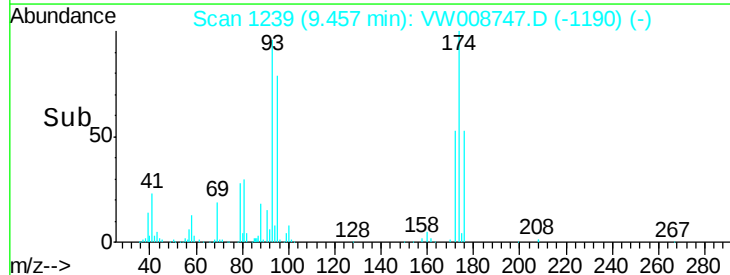
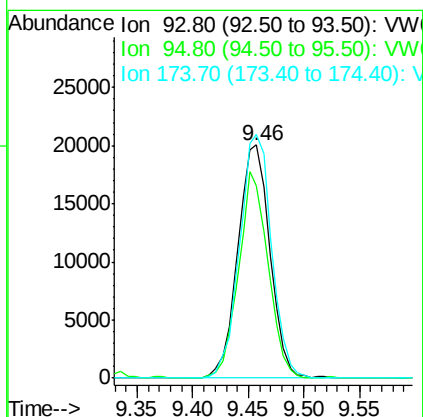
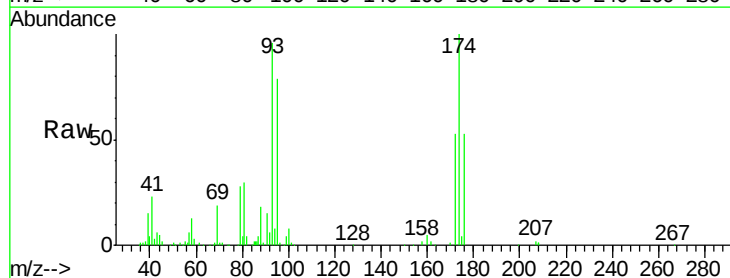
Tgt Ion: 93 Resp: 40012

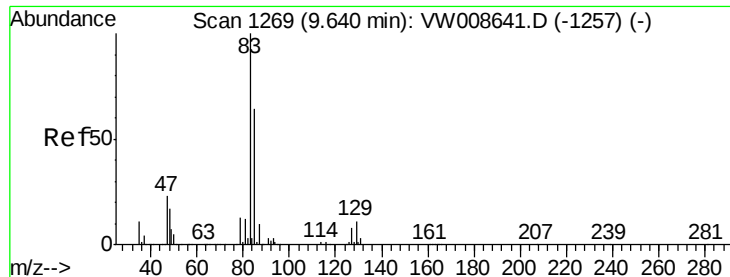
Ion Ratio Lower Upper

93 100

95 81.7 65.8 98.8

174 104.4 82.5 123.7

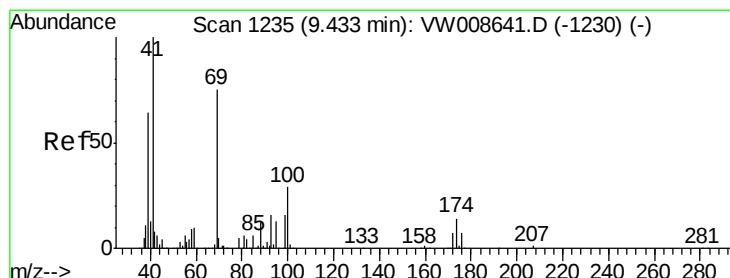
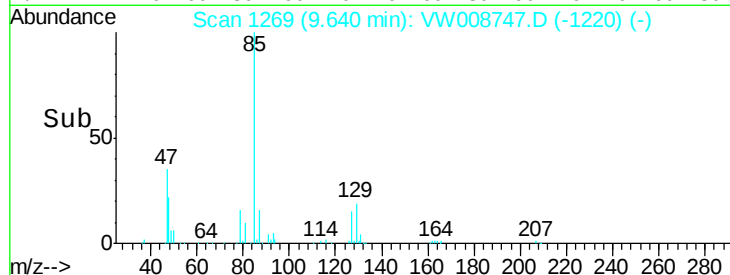
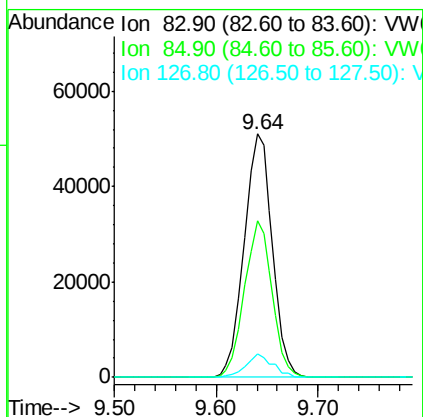
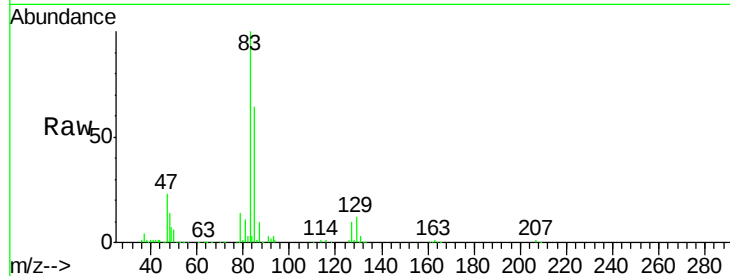




#47
Bromodichloromethane
Concen: 20.286 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

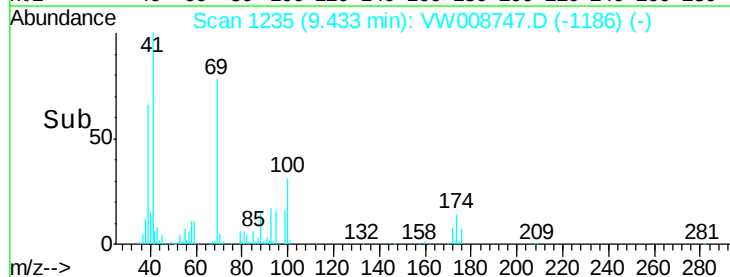
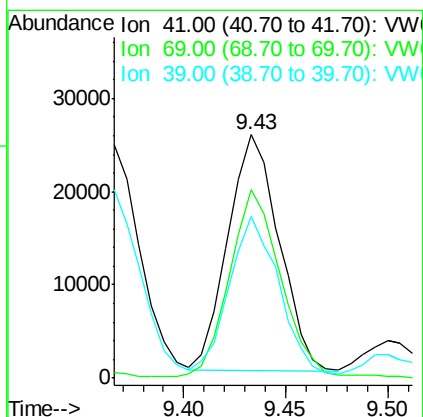
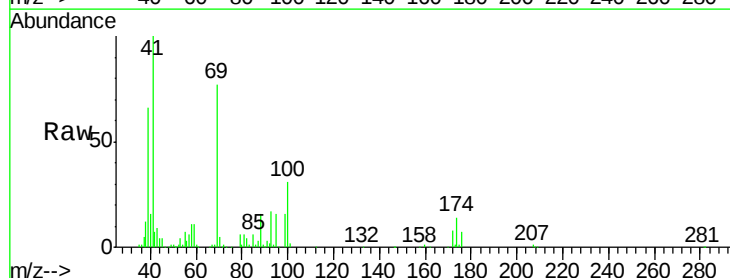
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBSD01

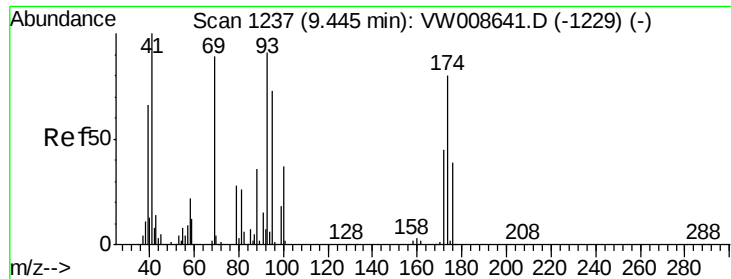
Tot Ion: 83 Resp: 97834
Ion Ratio Lower Upper
83 100
85 64.3 51.2 76.8
127 9.8 6.4 9.6#



#48
Methyl methacrylate
Concen: 18.395 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion: 41 Resp: 44195
Ion Ratio Lower Upper
41 100
69 81.3 64.1 96.1
39 64.1 52.3 78.5





#49

1,4-Dioxane

Concen: 394.300 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

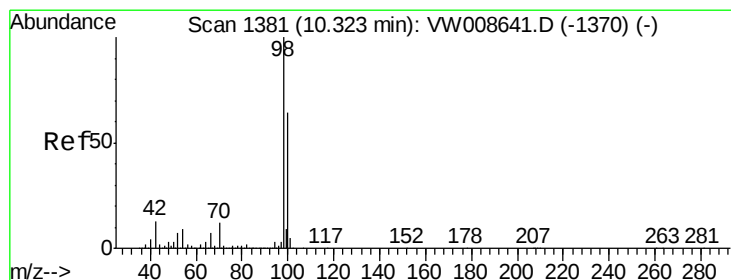
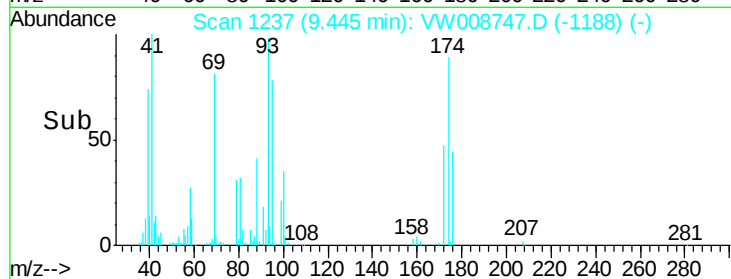
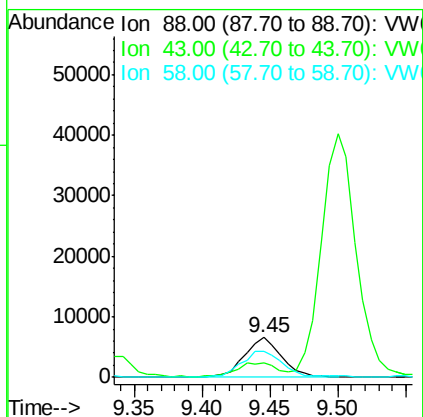
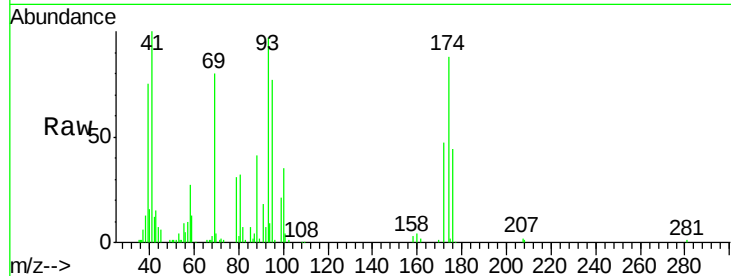
Tot Ion: 88 Resp: 12630

Ion Ratio Lower Upper

88 100

43 38.0 31.0 46.6

58 73.1 57.0 85.6



#50

Toluene-d8

Concen: 49.972 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008747.D

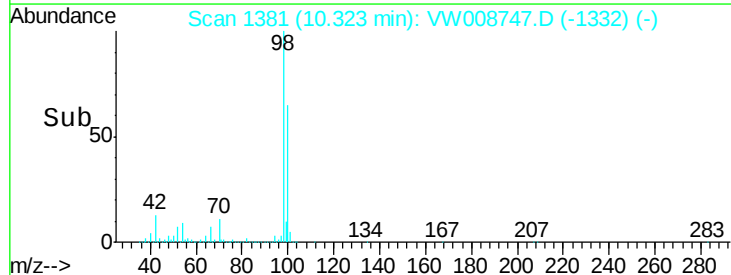
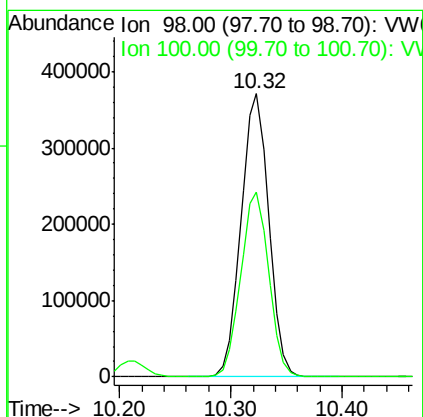
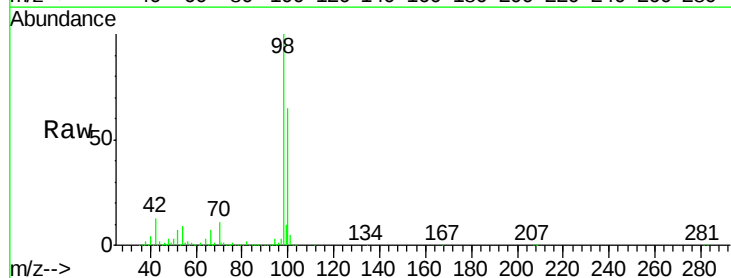
Acq: 19 Feb 2019 12:51

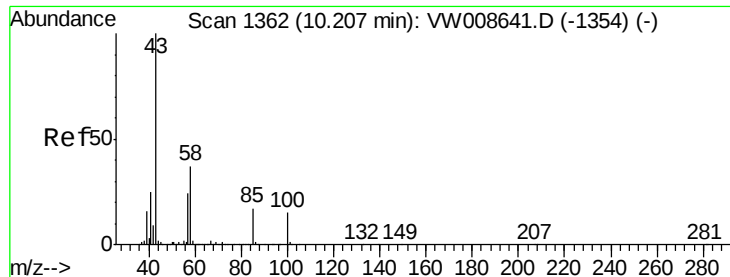
Tgt Ion: 98 Resp: 641675

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 92.726 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

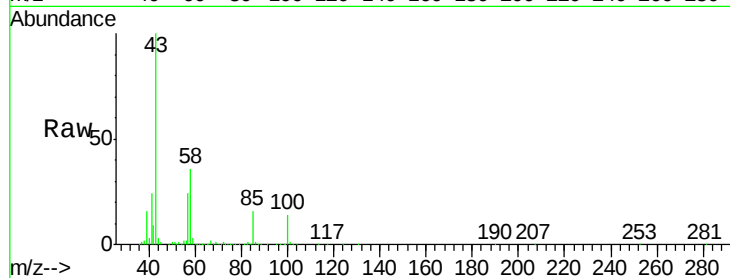
VW0219SBS01

Tot Ion: 43 Resp: 246931

Ion Ratio Lower Upper

43 100

58 36.1 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

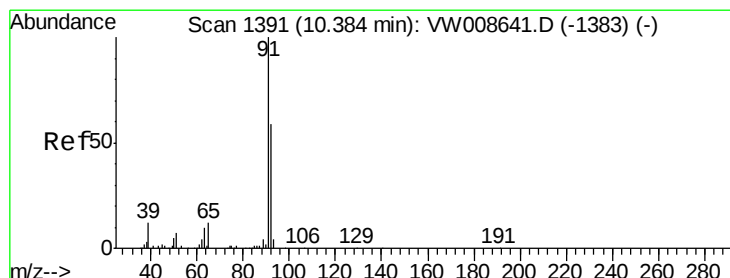
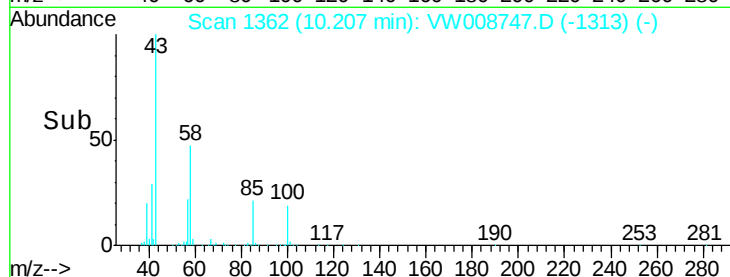
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.954 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008747.D

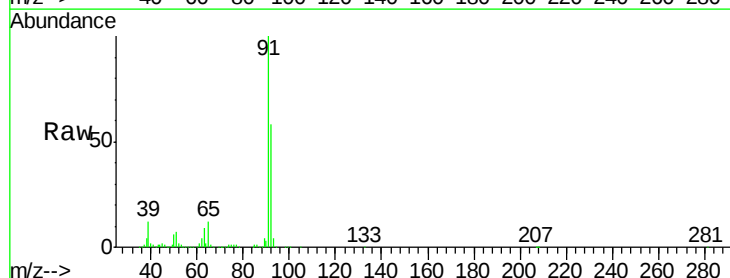
Acq: 19 Feb 2019 12:51

Tgt Ion: 92 Resp: 189477

Ion Ratio Lower Upper

92 100

91 172.0 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

200000

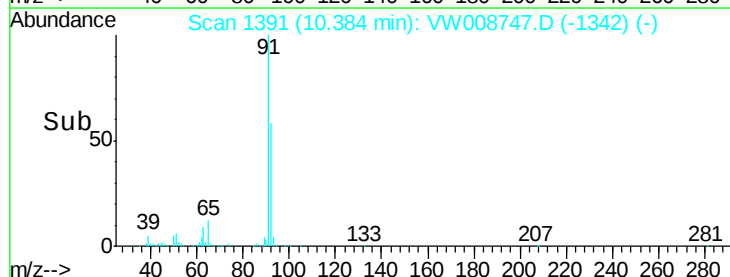
150000

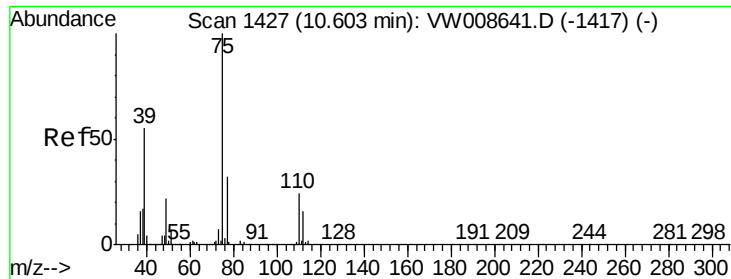
100000

50000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 19.159 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

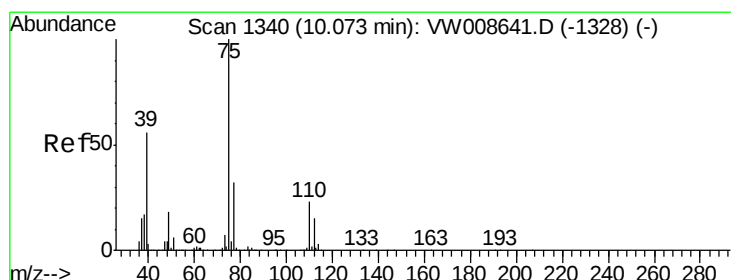
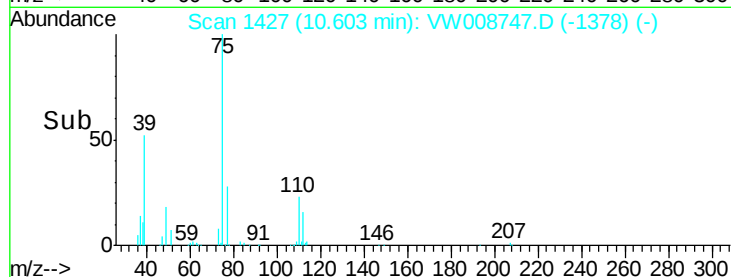
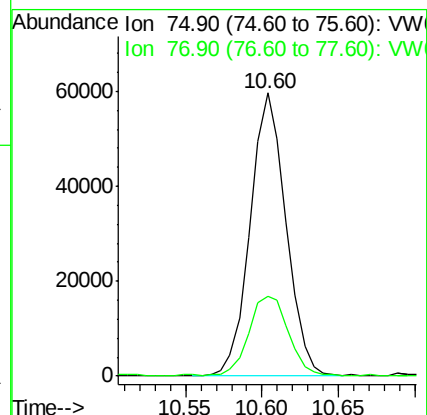
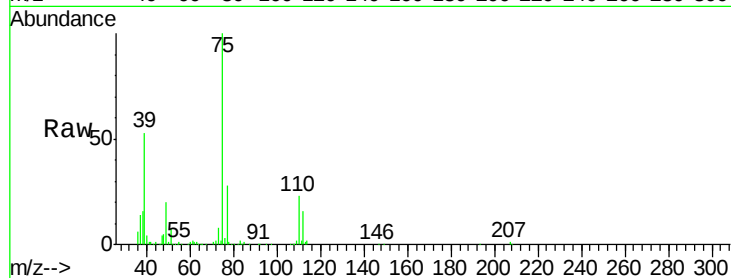
VW0219SBSD01

Tot Ion: 75 Resp: 97065

Ion Ratio Lower Upper

75 100

77 27.9 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.494 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

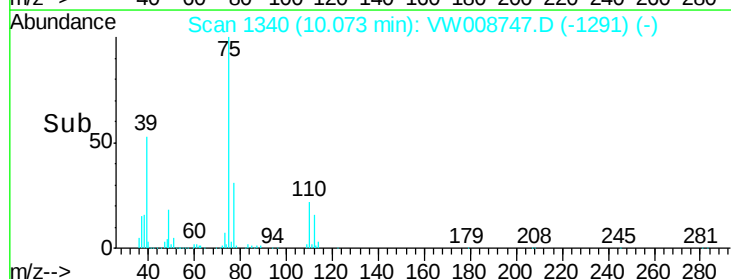
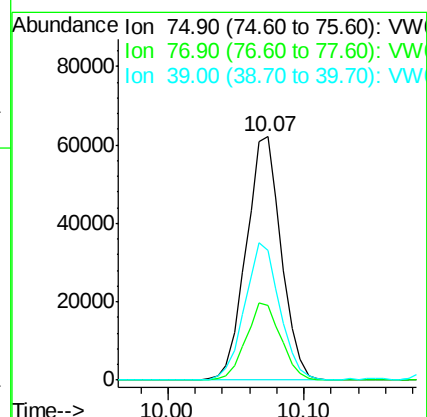
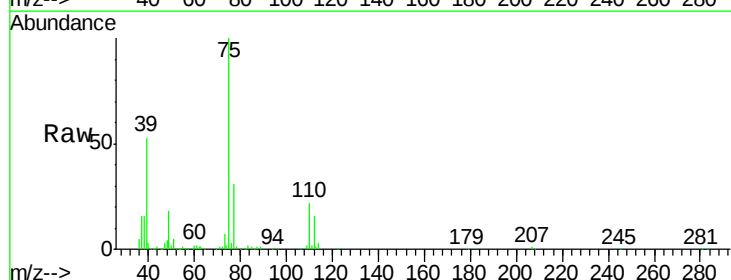
Tgt Ion: 75 Resp: 111958

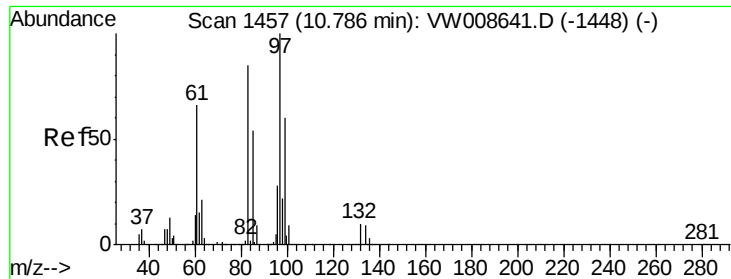
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 53.1 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 20.258 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

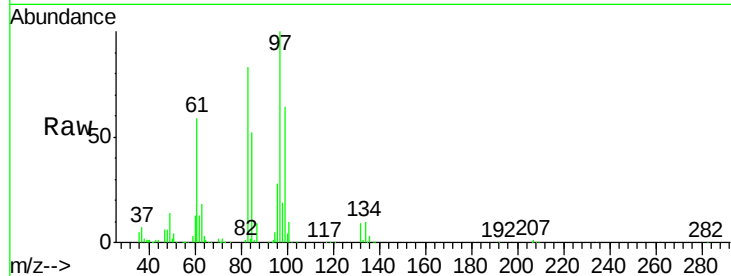
MSVOA_W

ClientSampleId :

VW0219SBSD01

Tot Ion: 97 Resp: 55778

Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.4	102.6
85	52.2	43.1	64.7
99	63.8	47.8	71.8



Abundance

Ion 96.90 (96.60 to 97.60): VW

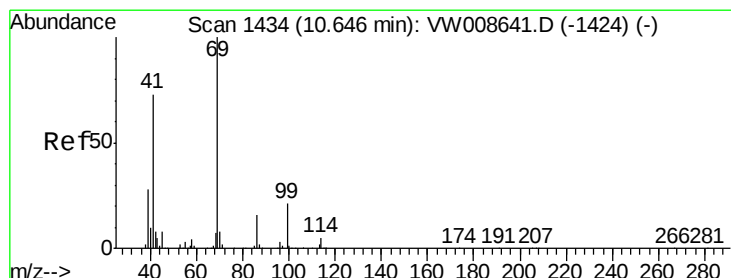
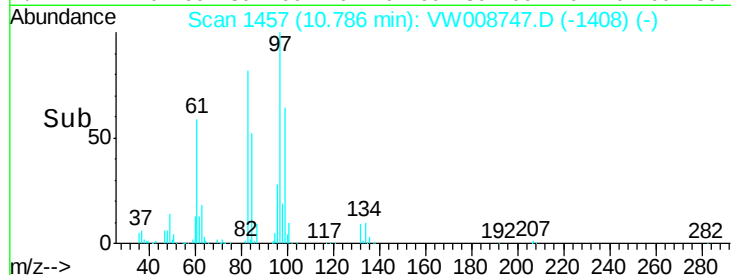
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 18.217 ug/l

RT: 10.65 min Scan# 1434

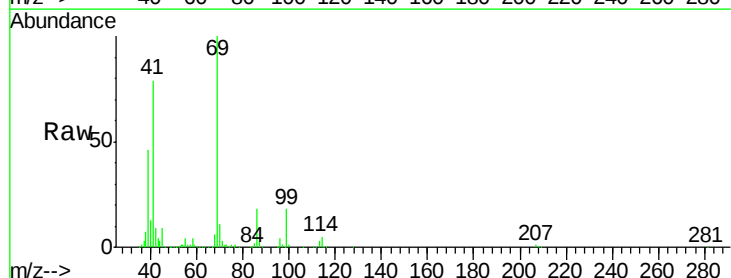
Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Tgt Ion: 69 Resp: 66603

Ion	Ratio	Lower	Upper
69	100		
41	72.8	59.0	88.4
39	41.3	34.4	51.6



Abundance

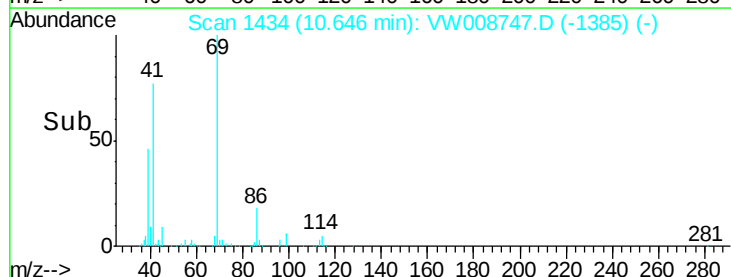
Ion 69.00 (68.70 to 69.70): VW

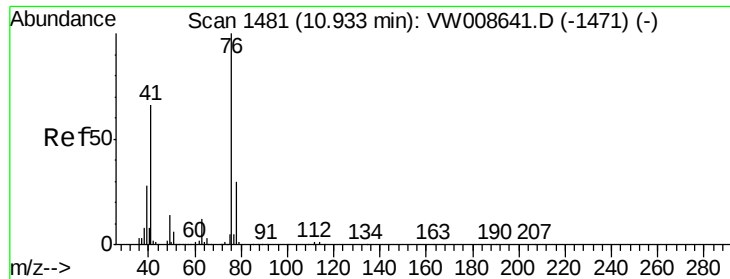
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->

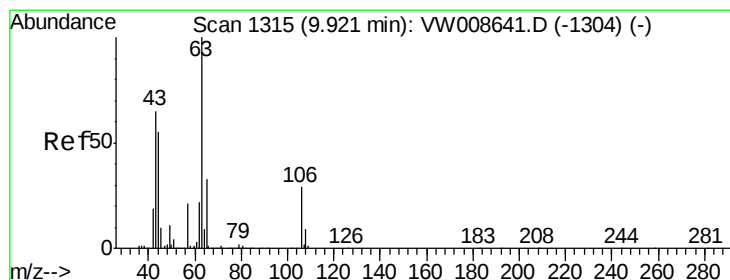
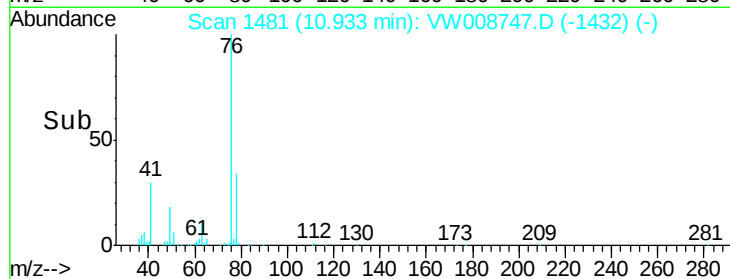
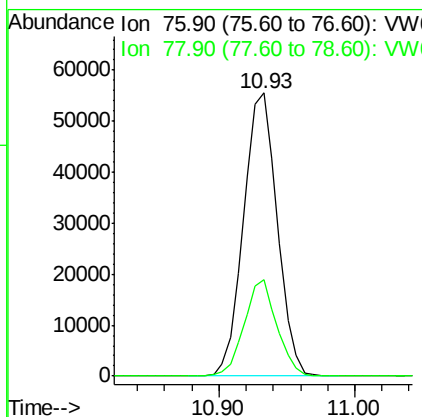
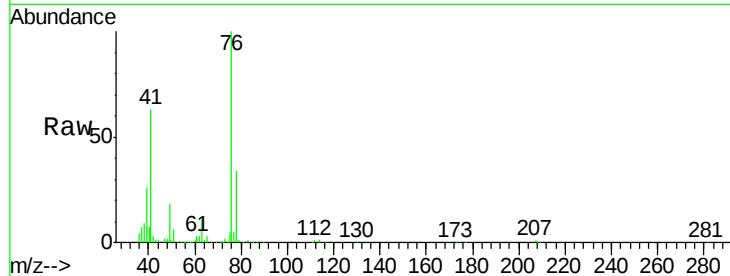




#57
 1,3-Dichloropropane
 Concen: 19.729 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

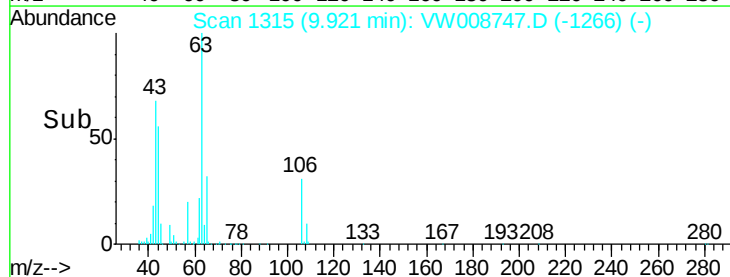
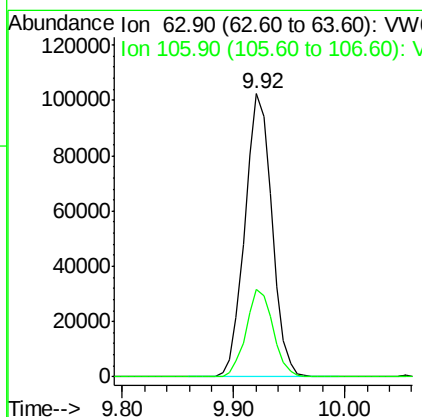
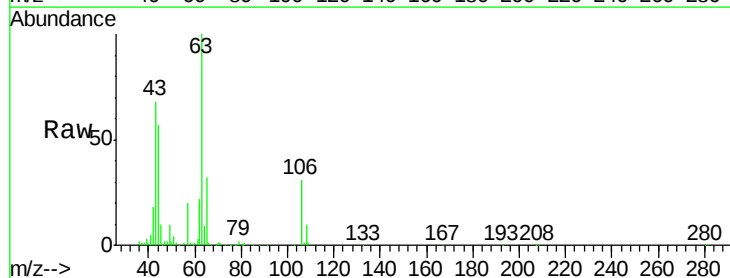
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0219SBSD01

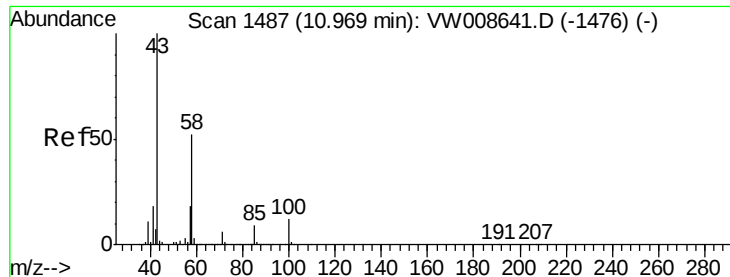
Tot Ion: 76 Resp: 96381
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.733 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Tgt Ion: 63 Resp: 173166
 Ion Ratio Lower Upper
 63 100
 106 30.9 23.4 35.2

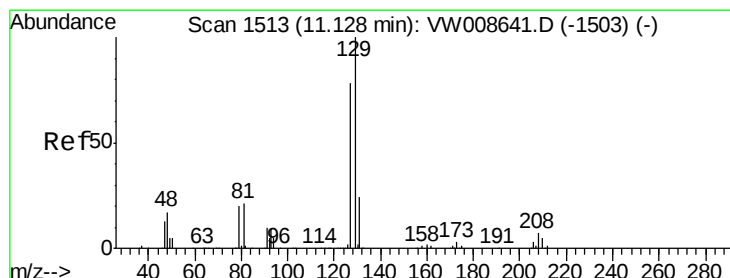
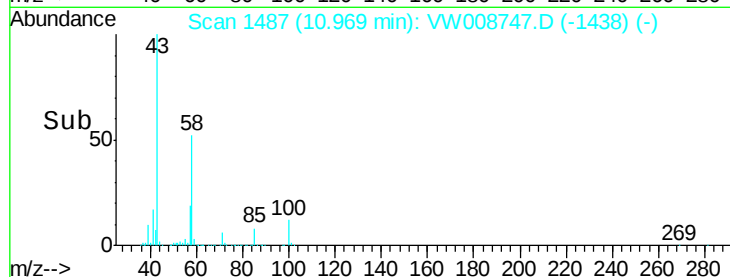
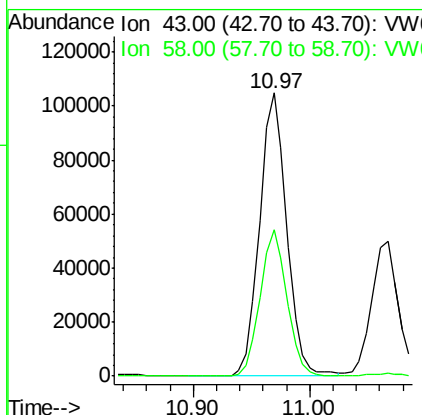
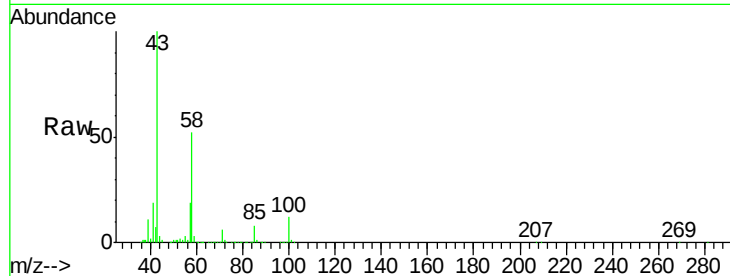




#59
2-Hexanone
Concen: 90.299 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

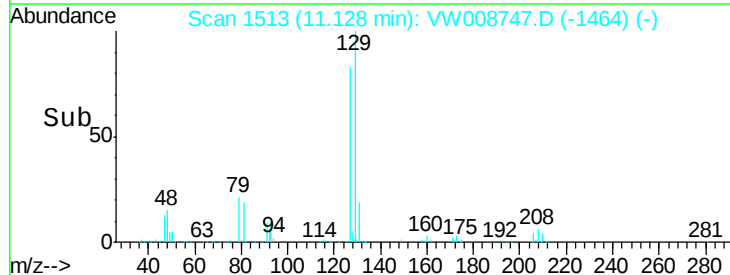
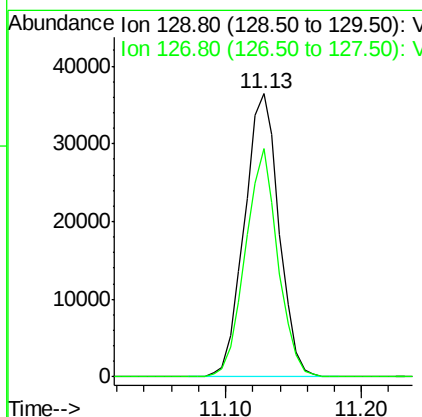
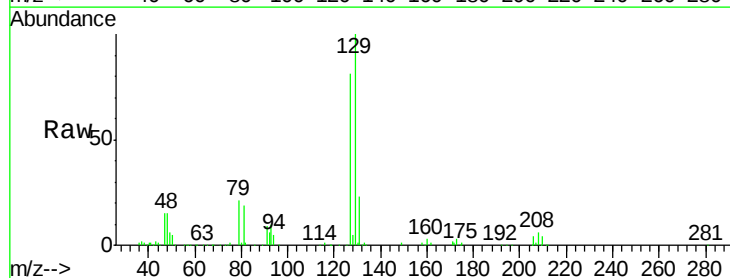
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBSD01

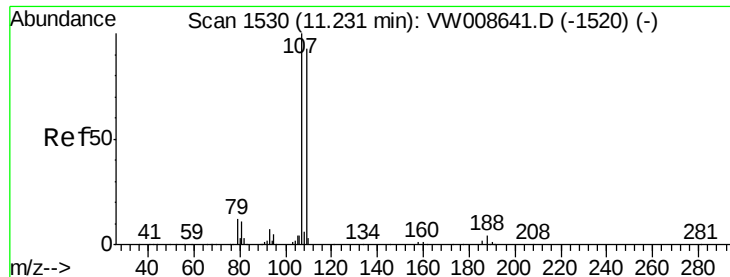
Tot Ion: 43 Resp: 168930
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.6



#60
Dibromochloromethane
Concen: 19.689 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion: 129 Resp: 64866
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.751 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

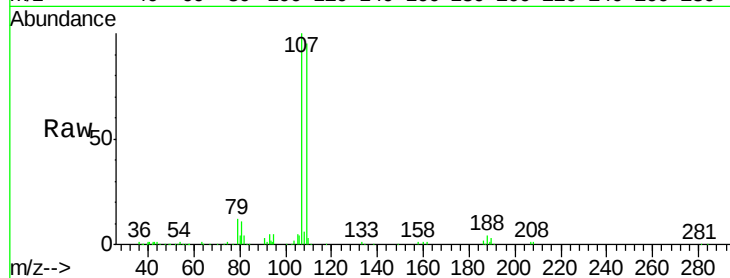
VW0219SBSD01

Tot Ion: 107 Resp: 53545

Ion Ratio Lower Upper

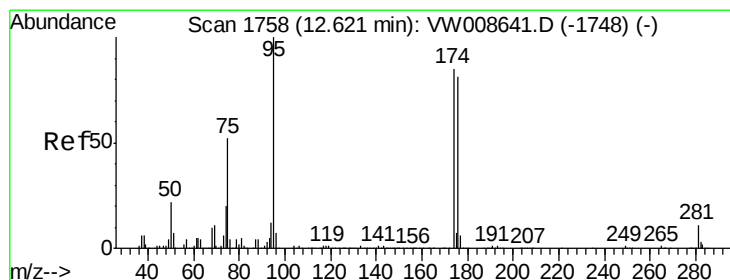
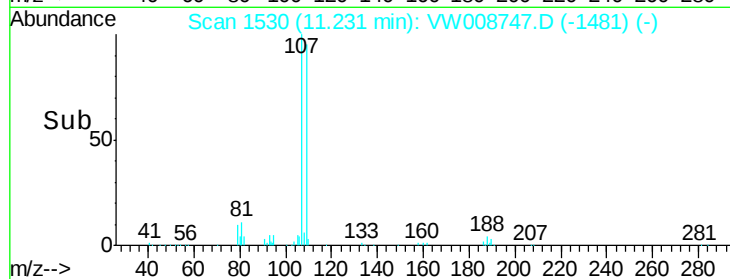
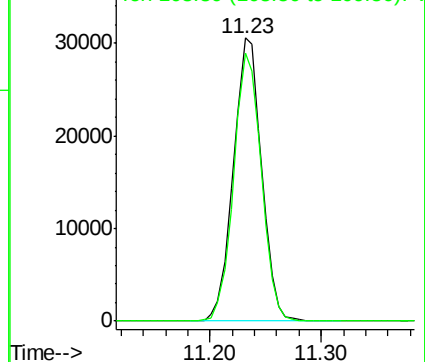
107 100

109 92.8 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.890 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

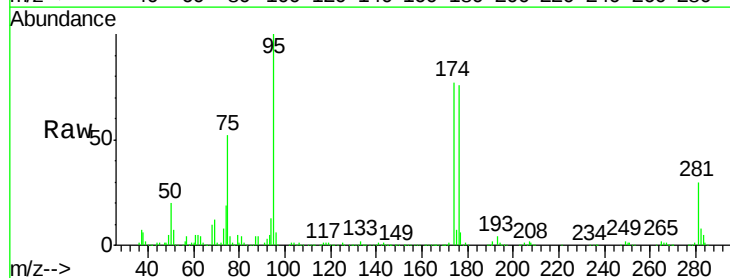
Tgt Ion: 95 Resp: 236466

Ion Ratio Lower Upper

95 100

174 84.7 0.0 163.2

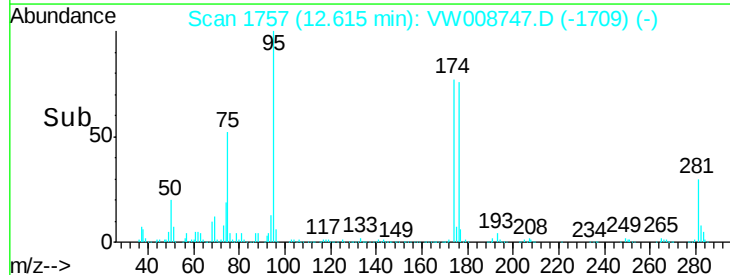
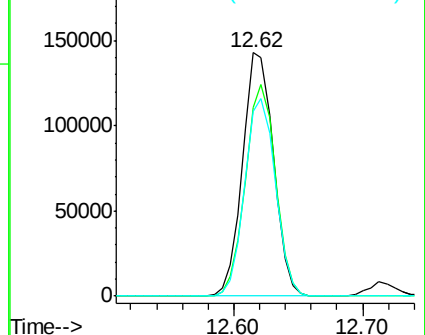
176 80.9 0.0 158.0

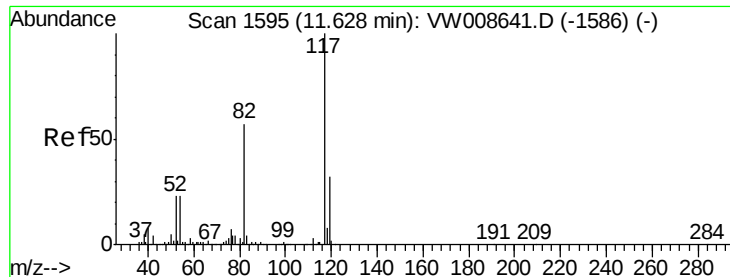


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

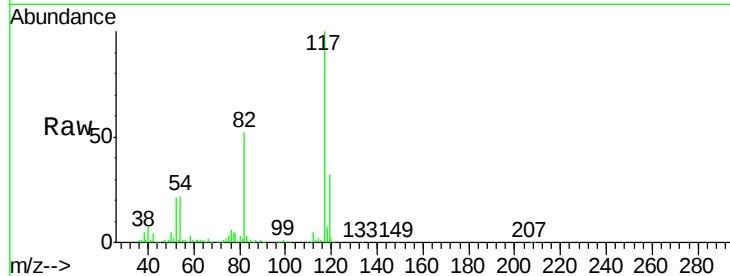




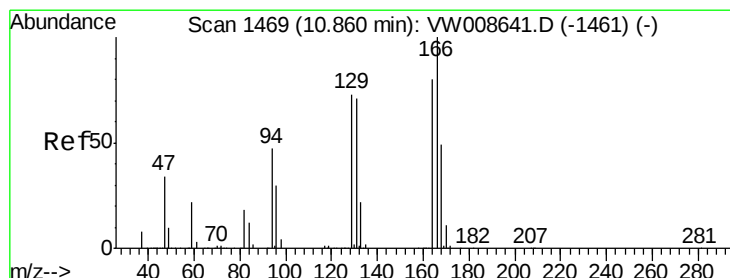
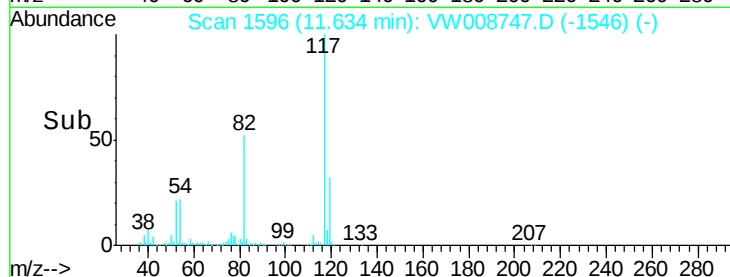
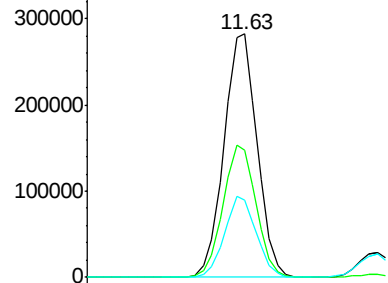
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Instrument :
MSVOA_W
ClientSampleId :
VW0219SBSD01

Tot Ion:117 Resp: 482104
Ion Ratio Lower Upper
117 100
82 52.4 45.6 68.4
119 31.9 25.7 38.5

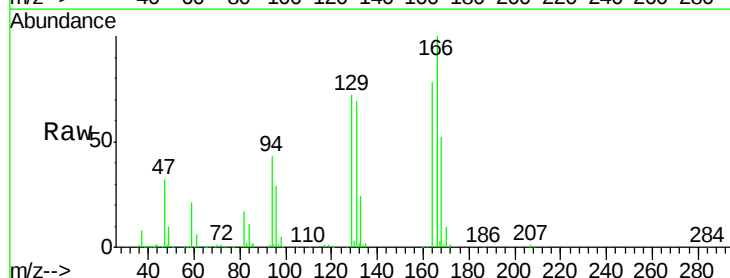


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

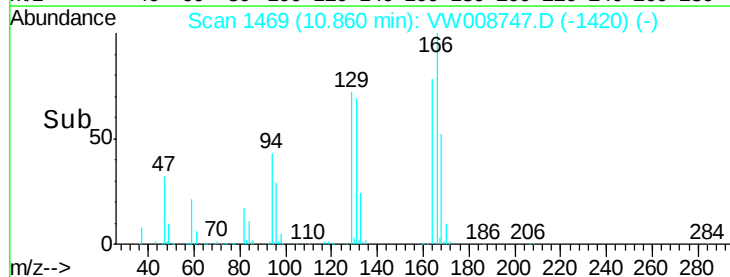
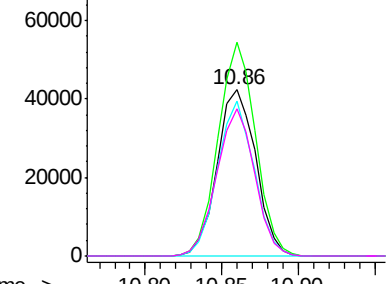


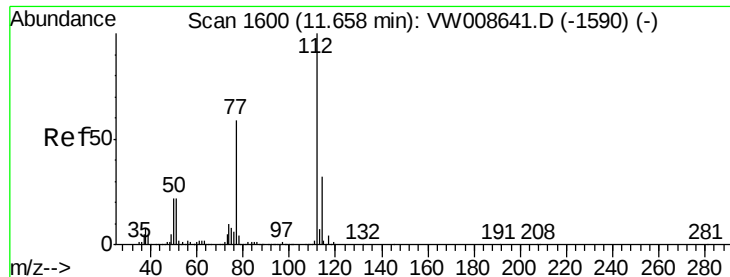
#64
Tetrachloroethene
Concen: 20.707 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion:164 Resp: 74237
Ion Ratio Lower Upper
164 100
166 128.8 100.2 150.2
129 93.3 73.6 110.4
131 89.0 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

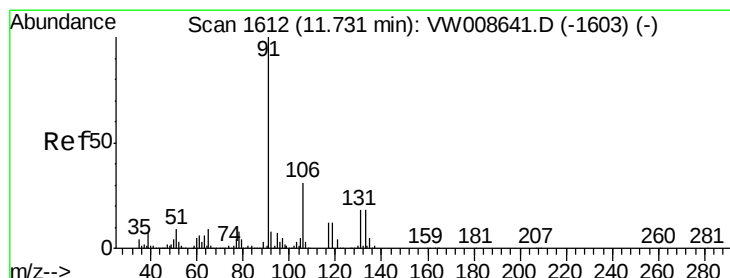
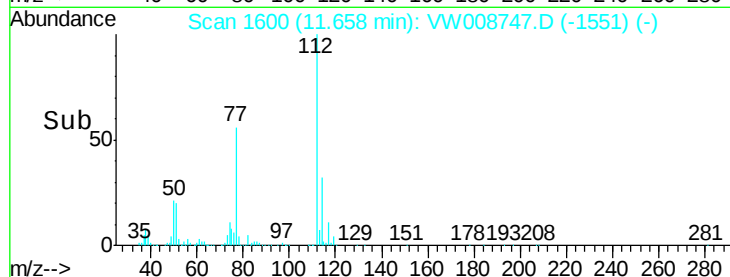
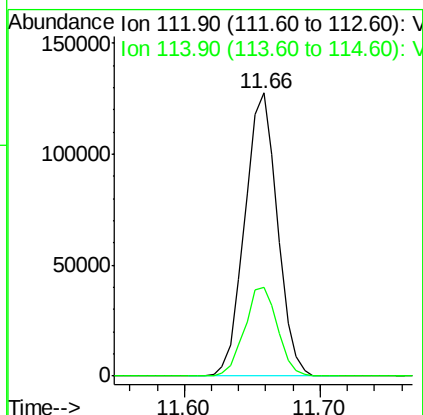
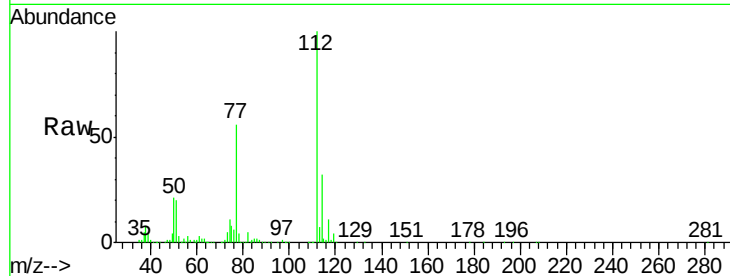




#65
Chlorobenzene
Concen: 20.631 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

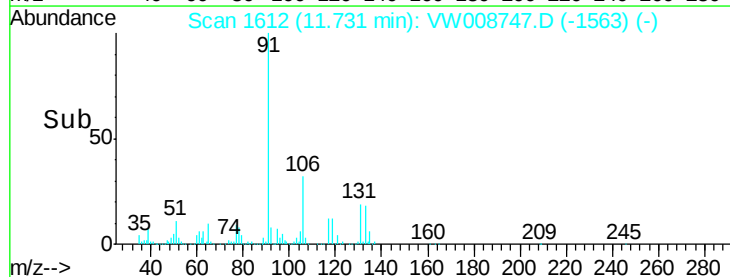
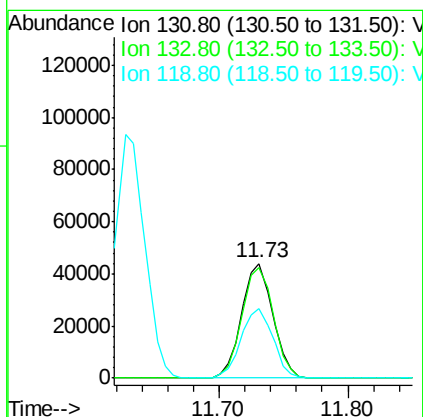
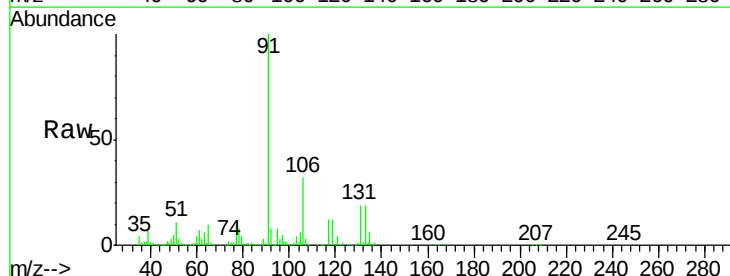
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBSD01

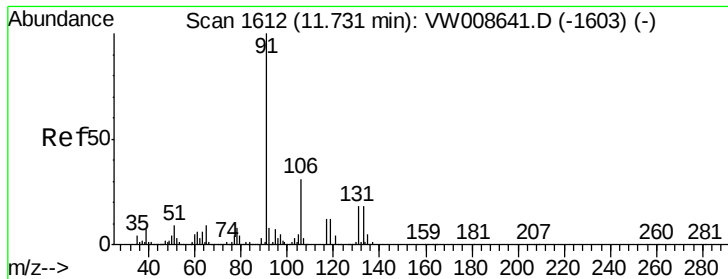
Tot Ion:112 Resp: 214379
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.997 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion:131 Resp: 73611
Ion Ratio Lower Upper
131 100
133 97.7 47.8 143.4
119 61.7 31.6 94.8

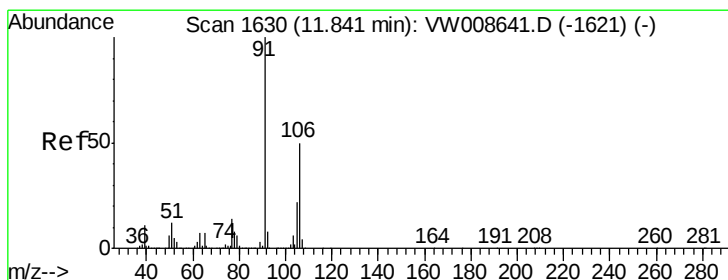
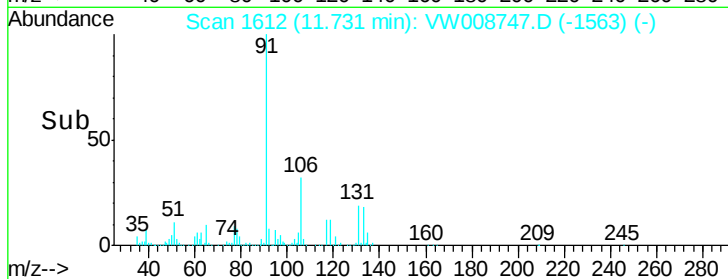
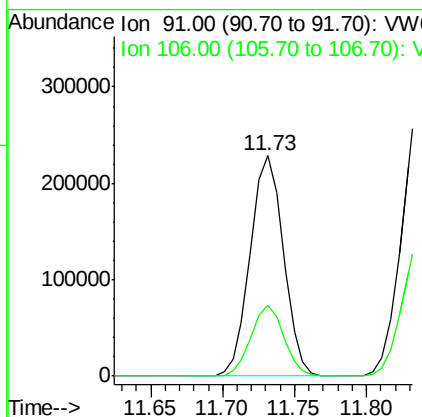
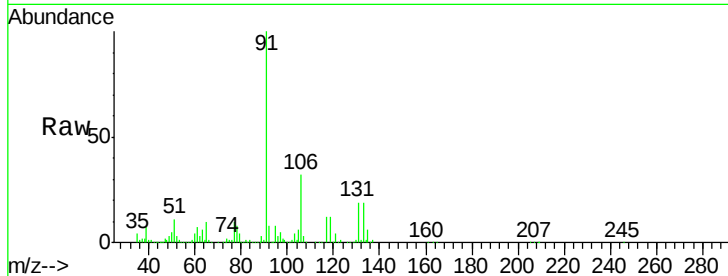




#67
Ethyl Benzene
Concen: 19.722 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

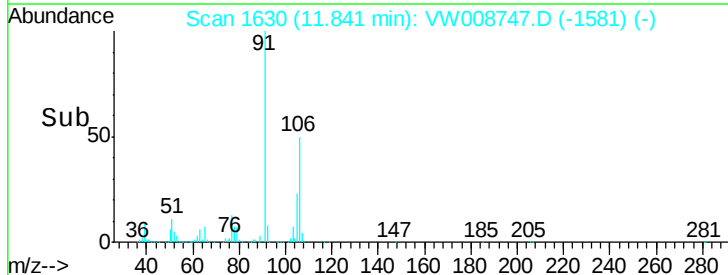
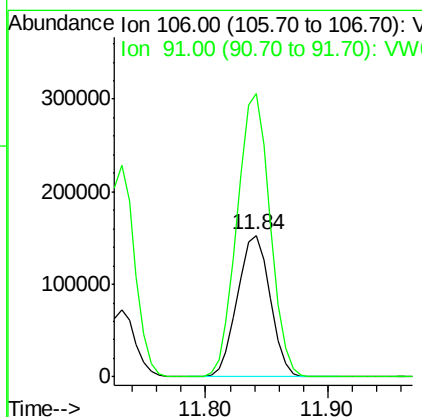
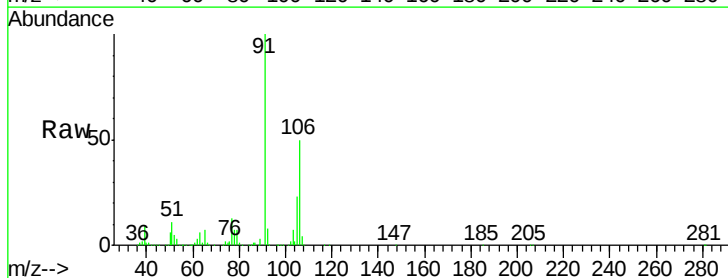
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBS01

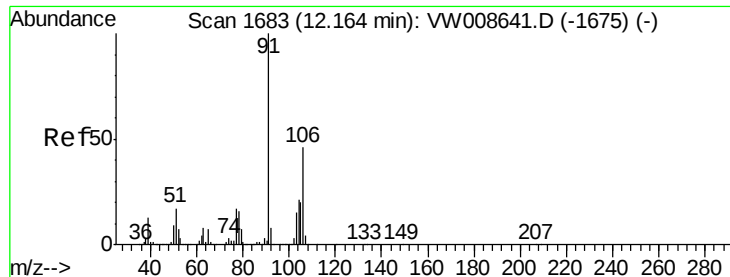
Tot Ion: 91 Resp: 365050
Ion Ratio Lower Upper
91 100
106 32.0 24.5 36.7



#68
m/p-Xylenes
Concen: 39.606 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion: 106 Resp: 285240
Ion Ratio Lower Upper
106 100
91 200.8 161.0 241.4

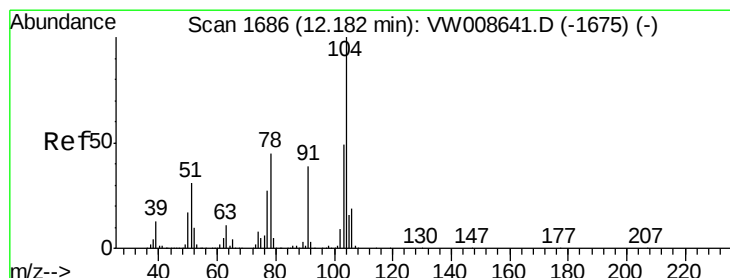
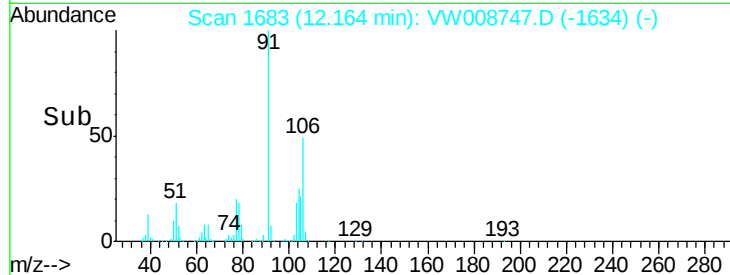
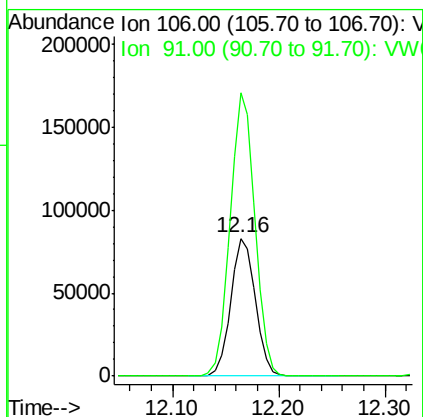
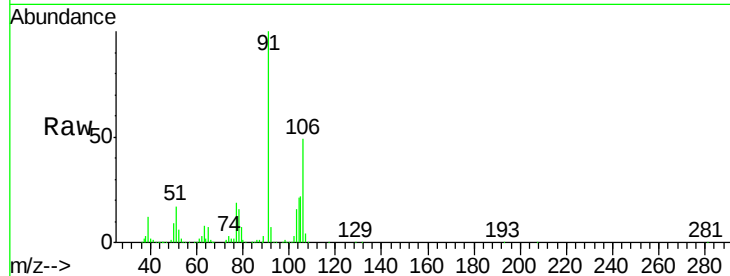




#69
o-Xylene
Concen: 19.680 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

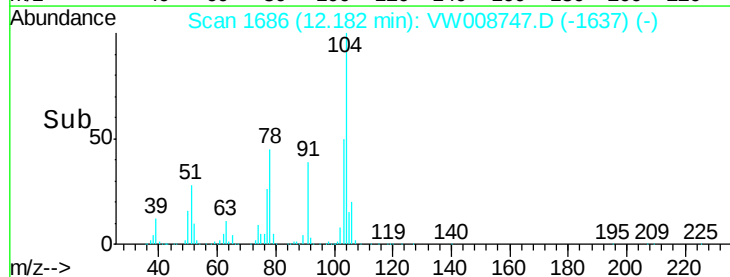
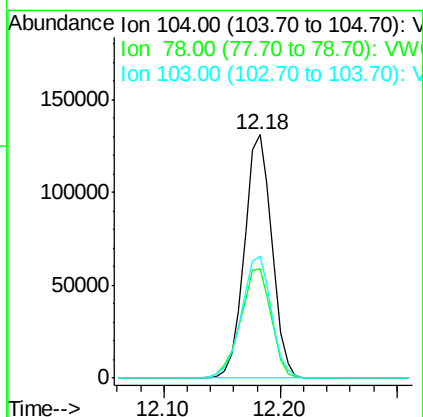
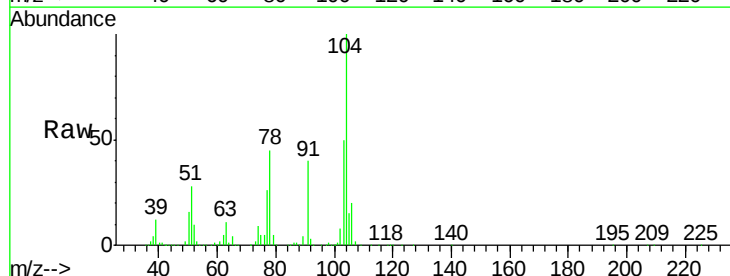
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBS01

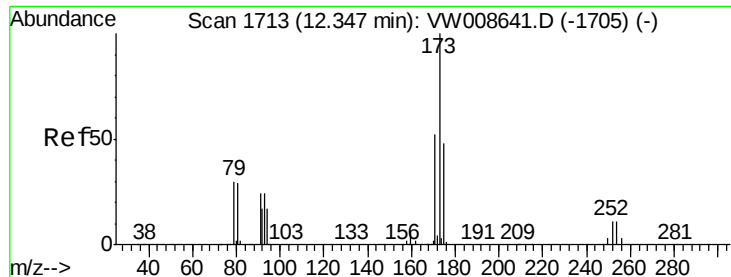
Tot Ion:106 Resp: 133971
Ion Ratio Lower Upper
106 100
91 207.9 106.7 320.1



#70
Styrene
Concen: 19.420 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion:104 Resp: 215934
Ion Ratio Lower Upper
104 100
78 50.4 41.5 62.3
103 54.7 43.5 65.3





#71

Bromoform

Concen: 19.443 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

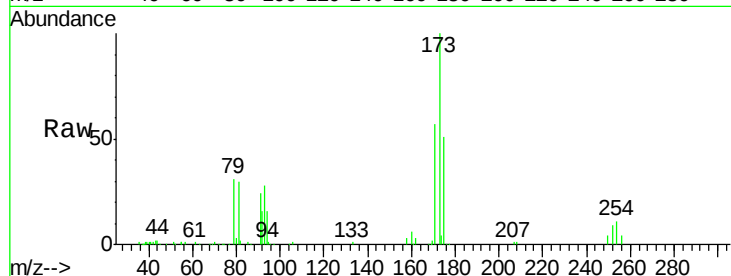
Tot Ion:173 Resp: 38563

Ion Ratio Lower Upper

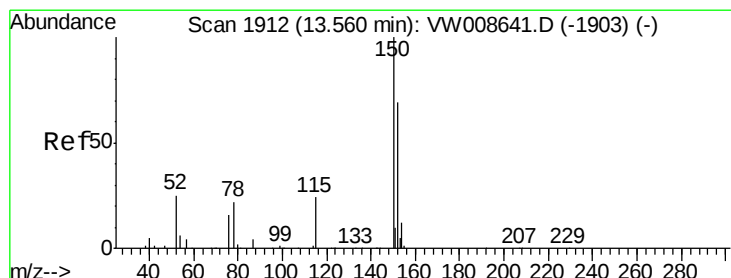
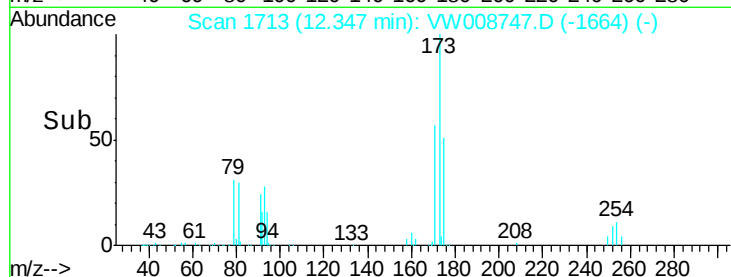
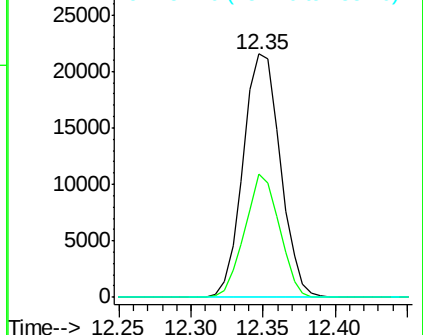
173 100

175 47.2 24.9 74.7

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

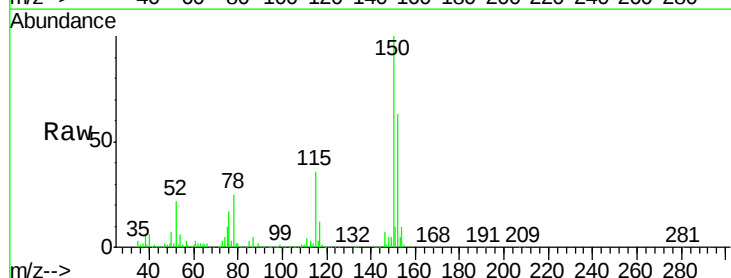
Tgt Ion:152 Resp: 253545

Ion Ratio Lower Upper

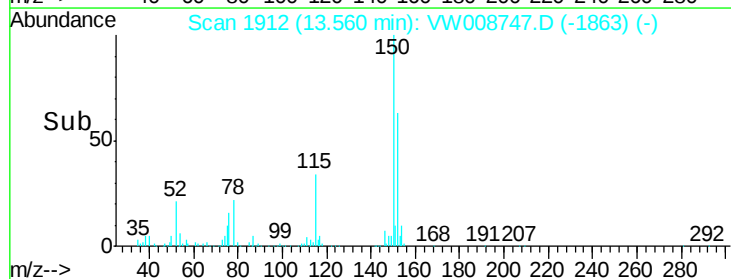
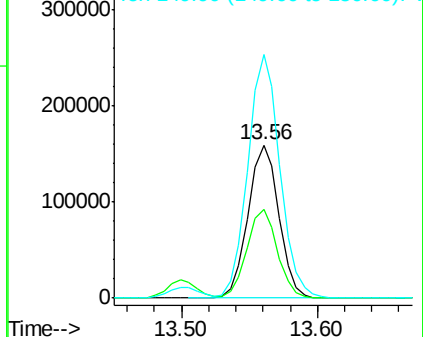
152 100

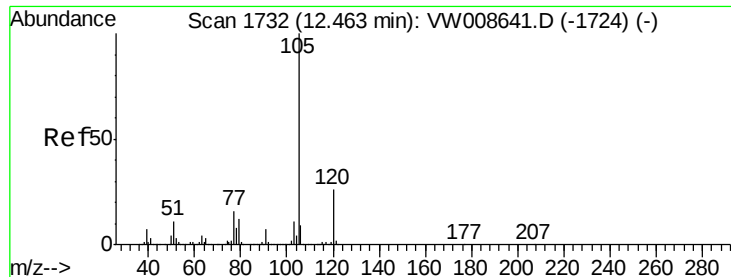
115 57.4 29.3 87.8

150 164.9 0.0 352.8



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





#73

Isopropylbenzene

Concen: 19.727 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

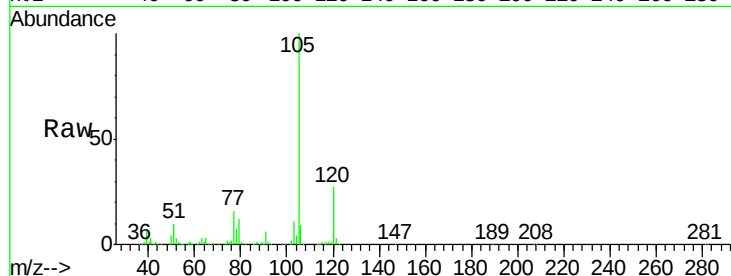
VW0219SBSD01

Tot Ion:105 Resp: 372572

Ion Ratio Lower Upper

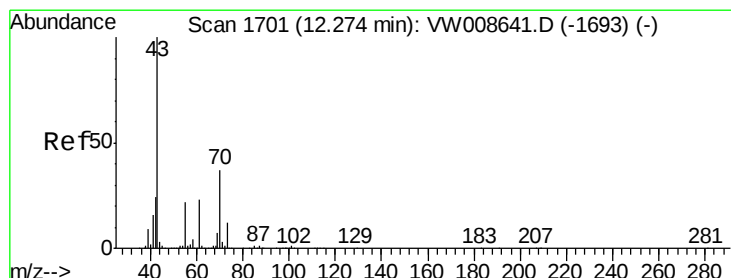
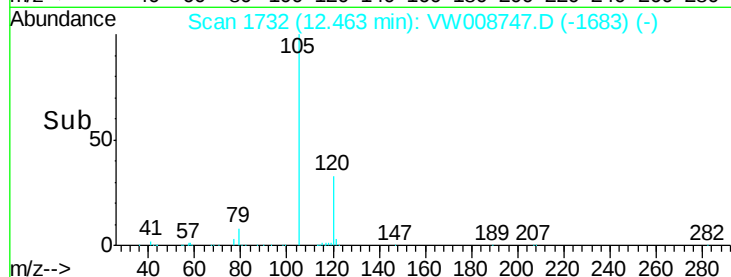
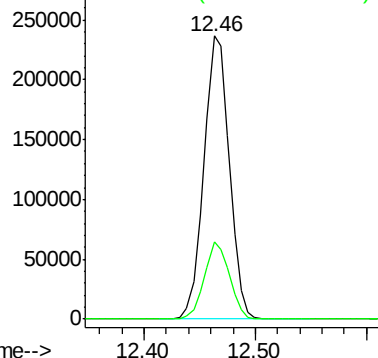
105 100

120 26.9 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-ethyl acetate

Concen: 17.455 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Tgt Ion: 43 Resp: 89145

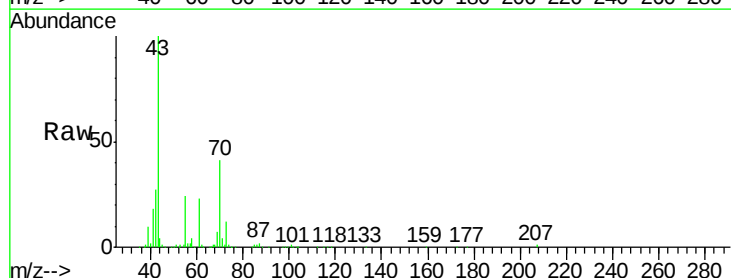
Ion Ratio Lower Upper

43 100

70 39.9 30.5 45.7

55 24.2 17.6 26.4

61 23.2 17.9 26.9

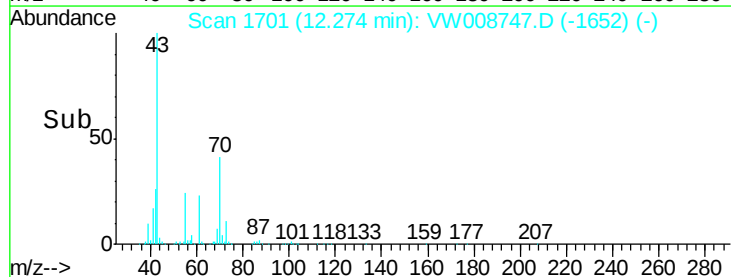
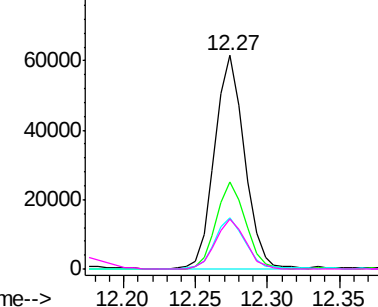


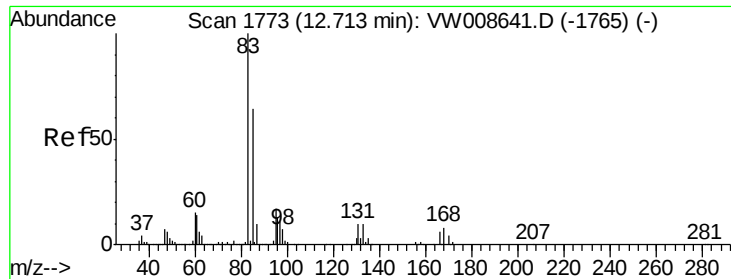
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.193 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

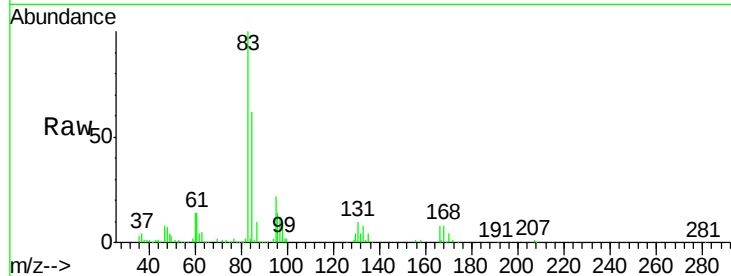
Tot Ion: 83 Resp: 63068

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.7

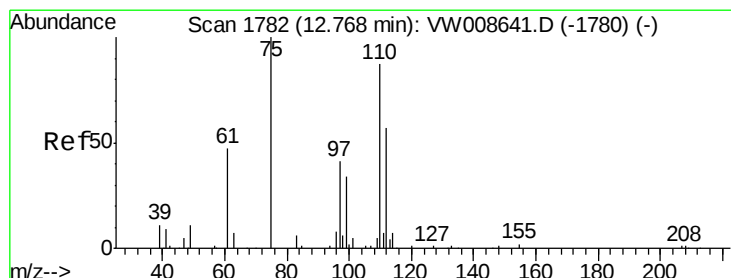
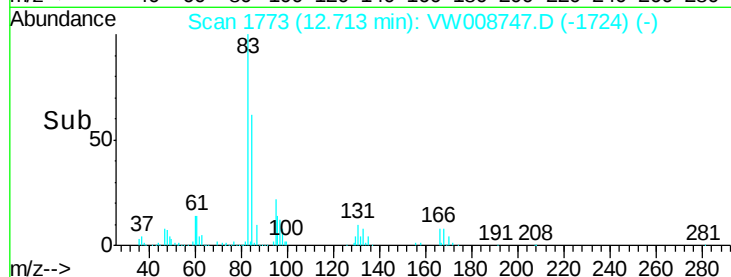
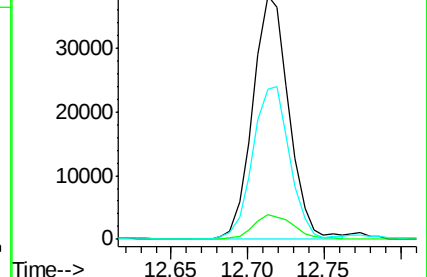
85 64.3 31.8 95.3



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: 18.232 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008747.D

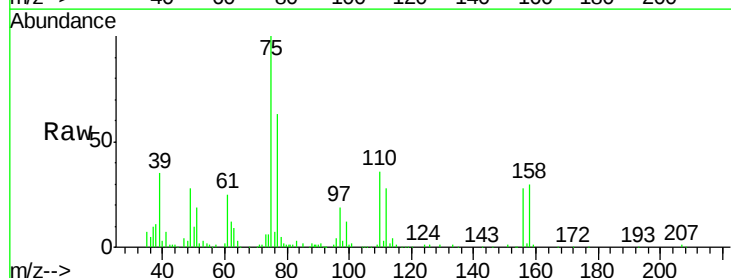
Acq: 19 Feb 2019 12:51

Tgt Ion: 75 Resp: 45647

Ion Ratio Lower Upper

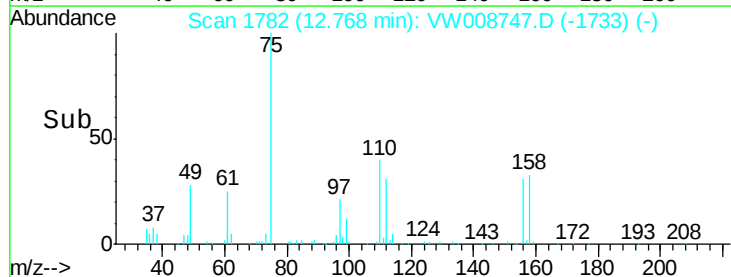
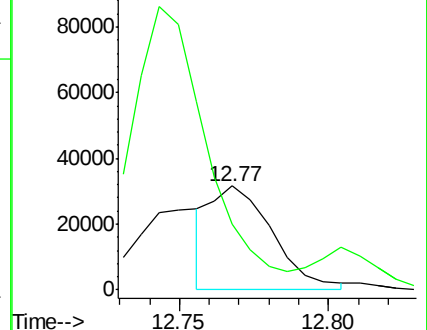
75 100

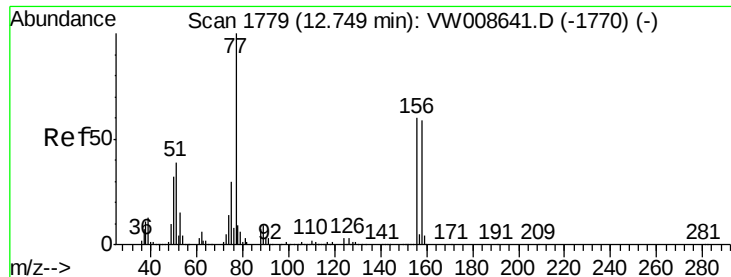
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.337 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

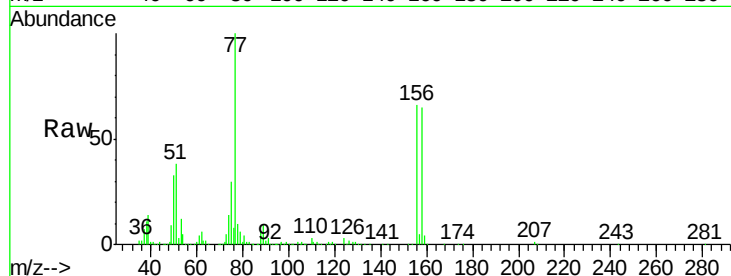
Tot Ion:156 Resp: 88289

Ion Ratio Lower Upper

156 100

77 175.2 93.2 279.5

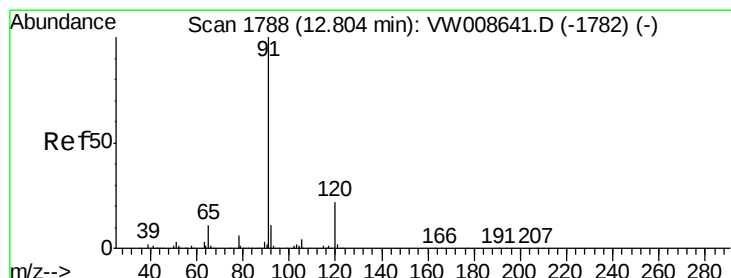
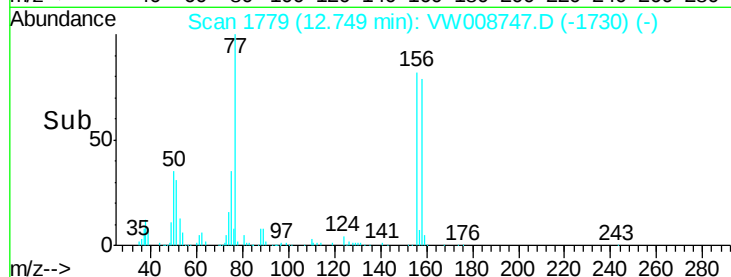
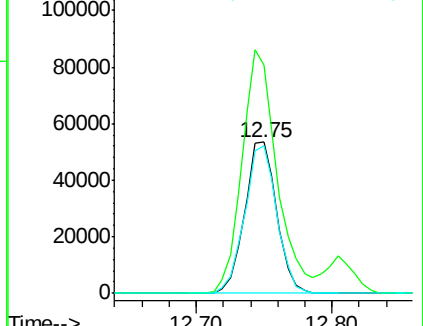
158 97.9 48.5 145.5



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: 19.886 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008747.D

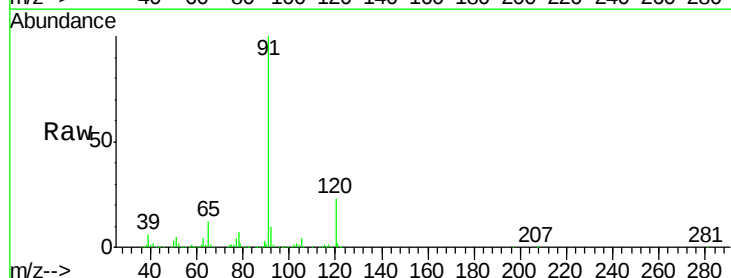
Acq: 19 Feb 2019 12:51

Tgt Ion: 91 Resp: 446251

Ion Ratio Lower Upper

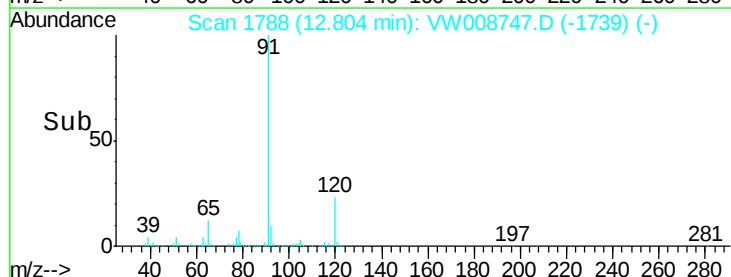
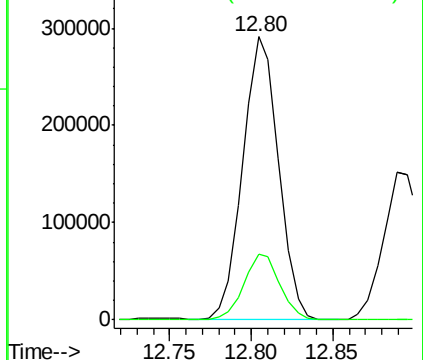
91 100

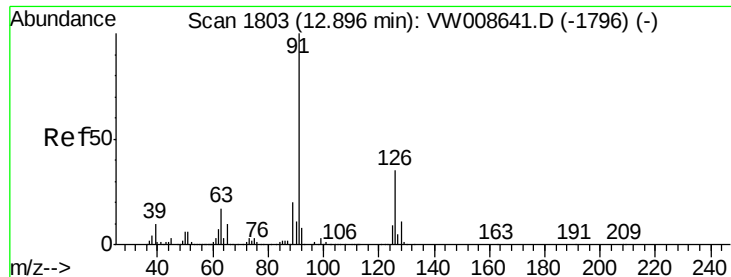
120 23.5 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.847 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

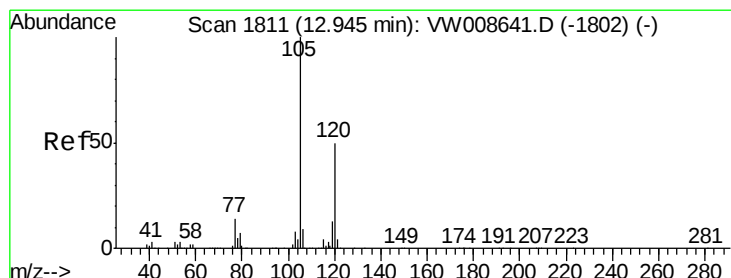
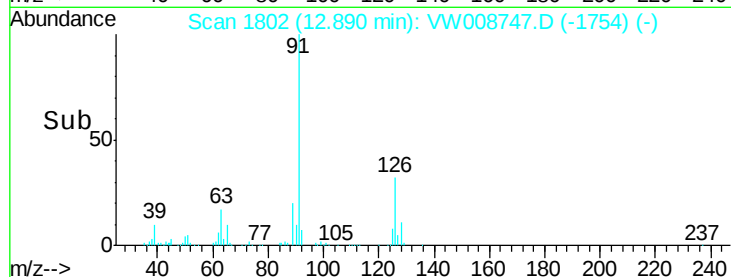
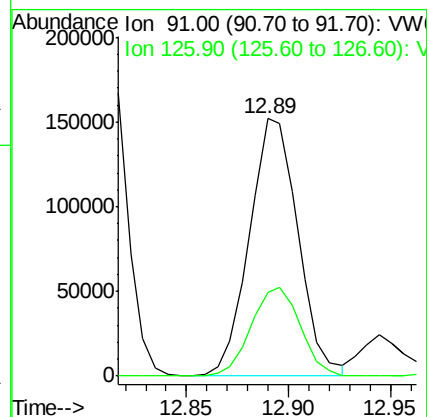
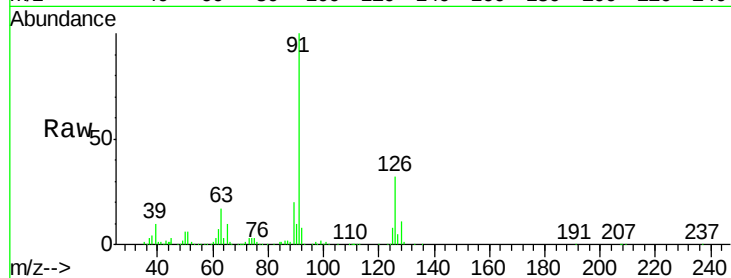
VW0219SBSD01

Tot Ion: 91 Resp: 251704

Ion Ratio Lower Upper

91 100

126 34.8 17.0 50.9



#80

1,3,5-Trimethylbenzene

Concen: 20.146 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008747.D

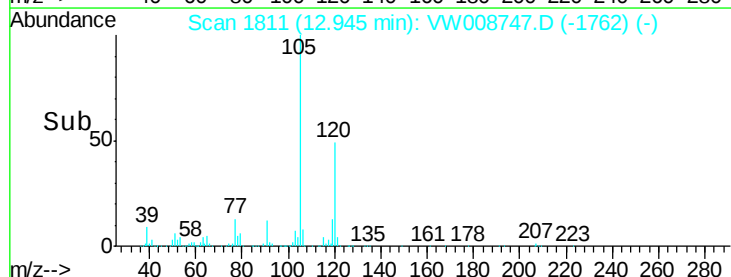
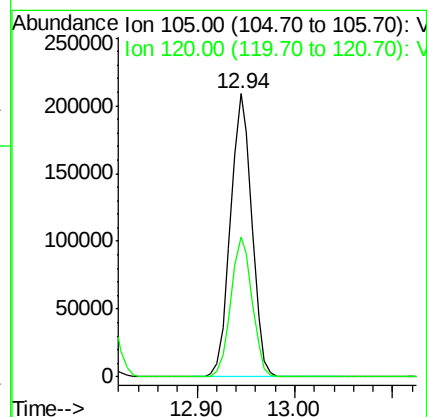
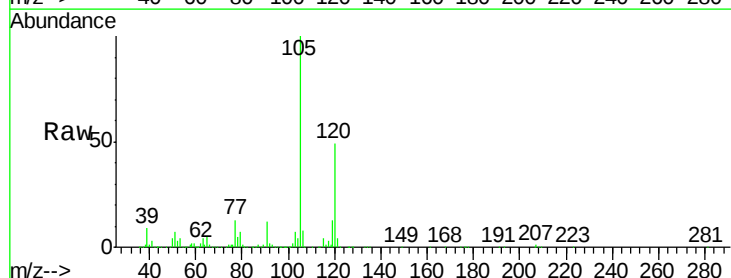
Acq: 19 Feb 2019 12:51

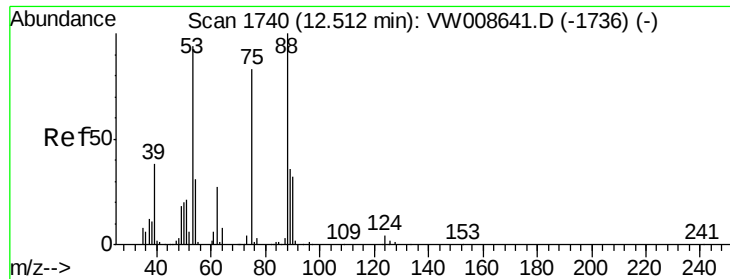
Tgt Ion: 105 Resp: 316034

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8

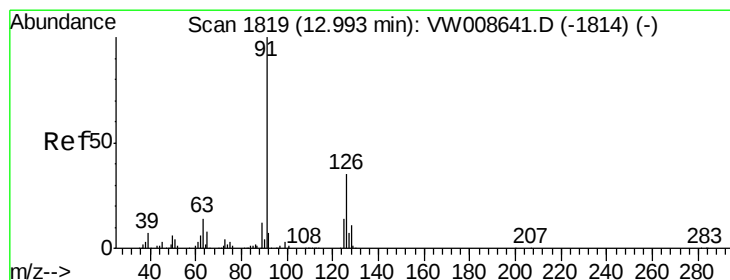
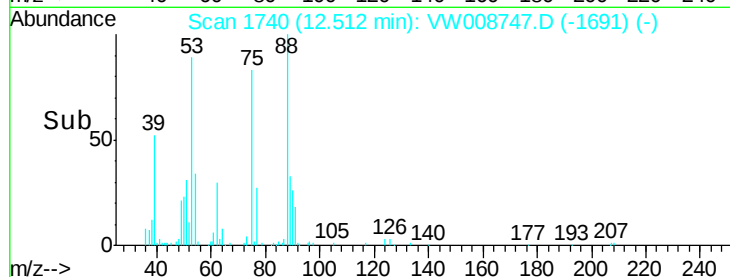
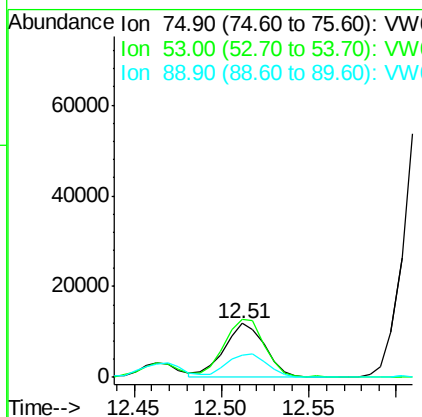
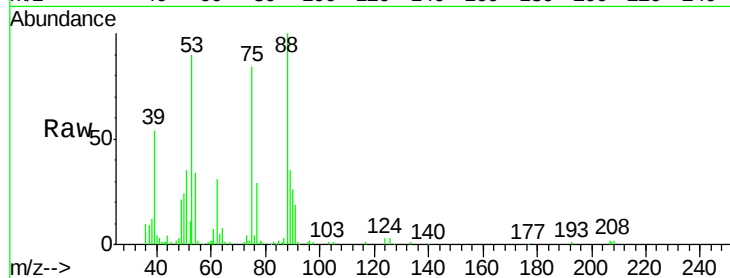




#81
trans-1,4-Dichloro-2-butene
Concen: 18.701 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

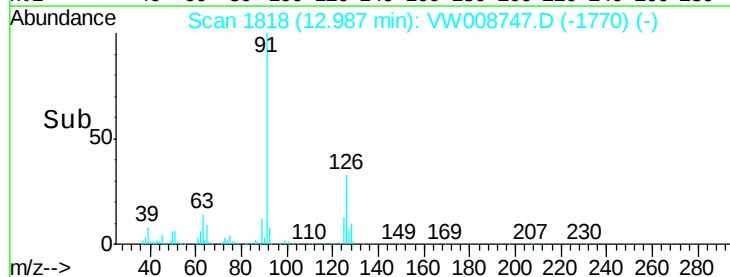
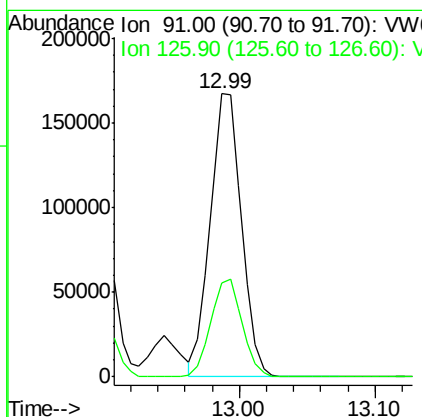
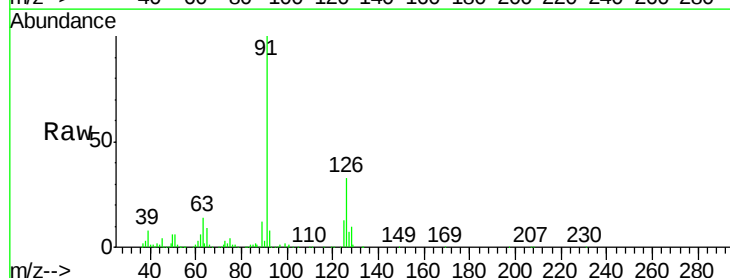
Instrument :
MSVOA_W
ClientSampled :
VW0219SBSD01

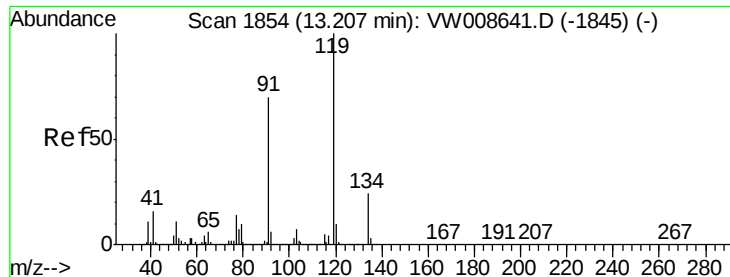
Tot Ion: 75 Resp: 19350
Ion Ratio Lower Upper
75 100
53 105.4 87.4 131.0
89 42.8 37.0 55.4



#82
4-Chlorotoluene
Concen: 19.806 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion: 91 Resp: 266198
Ion Ratio Lower Upper
91 100
126 34.6 16.9 50.7

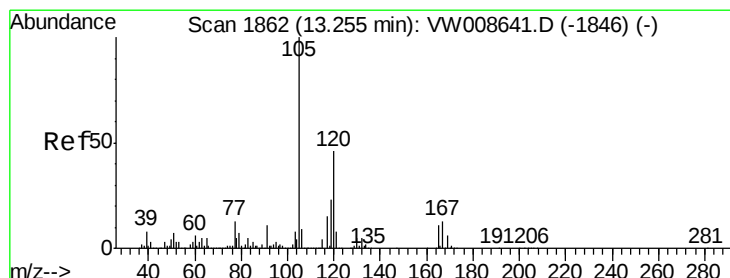
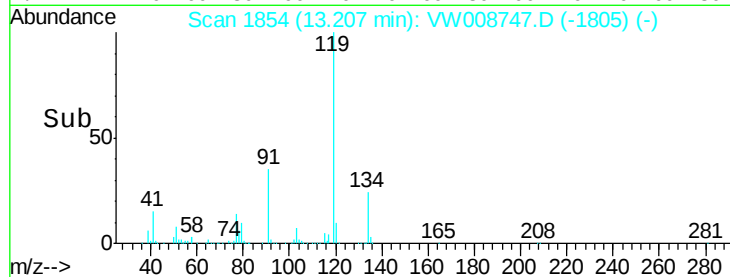
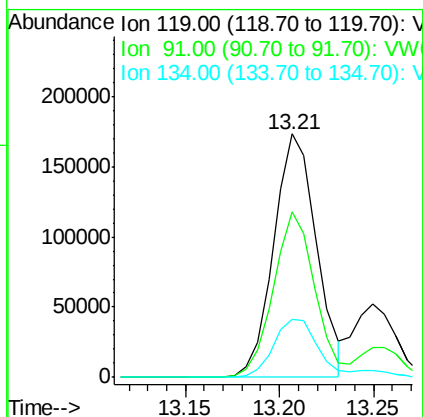
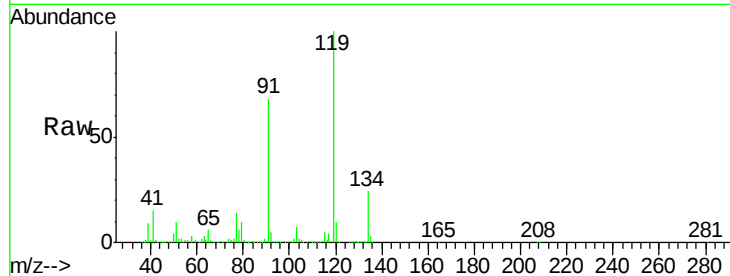




#83
tert-Butylbenzene
Concen: 20.041 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

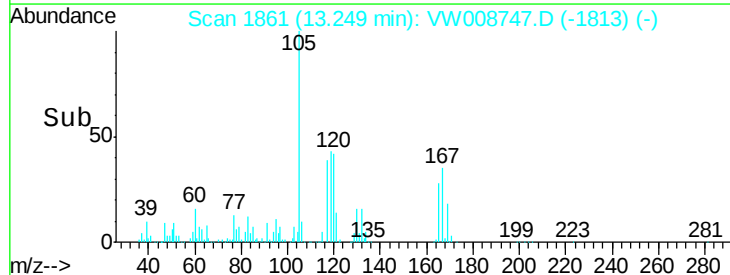
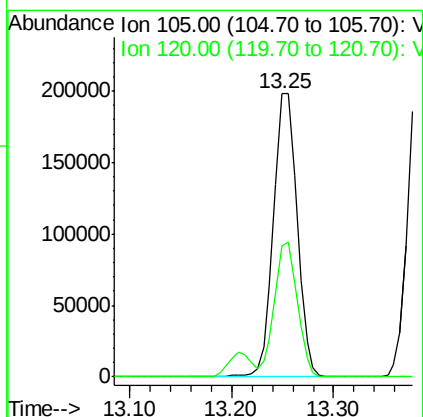
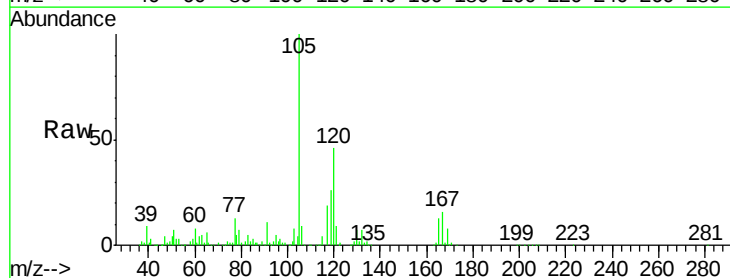
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBSD01

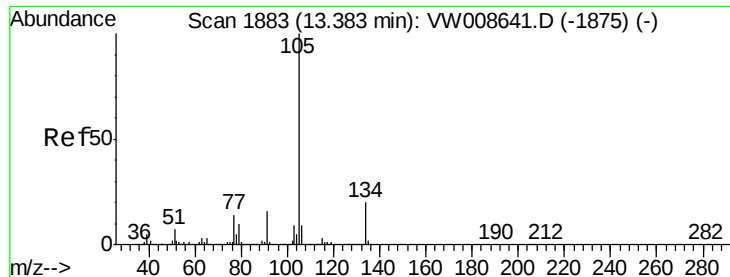
Tot Ion:119 Resp: 272979
Ion Ratio Lower Upper
119 100
91 66.4 34.0 102.0
134 24.6 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 19.740 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

Tgt Ion:105 Resp: 318271
Ion Ratio Lower Upper
105 100
120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.879 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

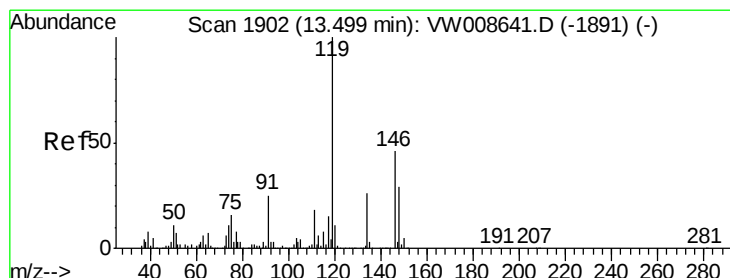
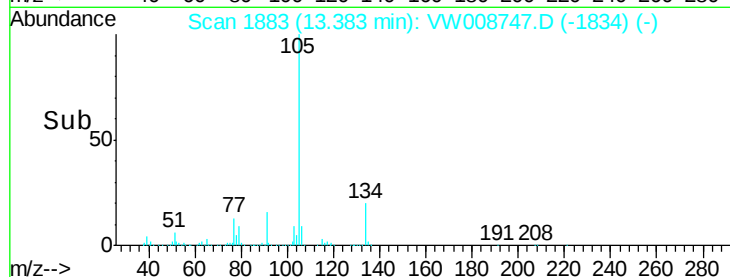
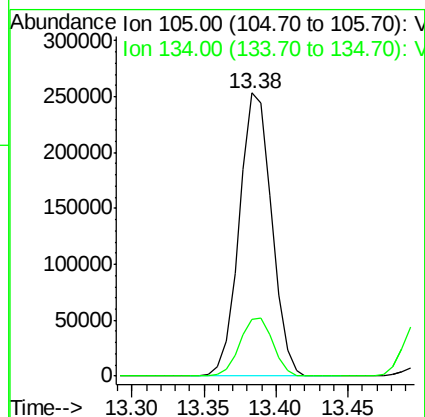
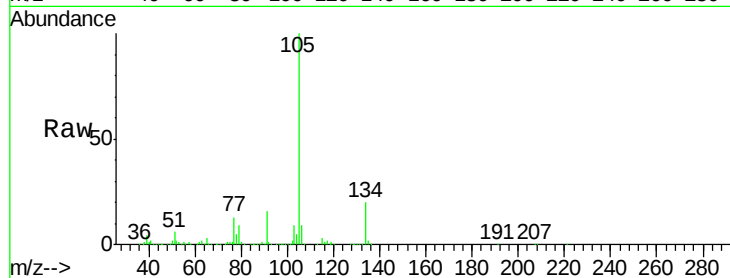
VW0219SBS01

Tot Ion:105 Resp: 394271

Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.227 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

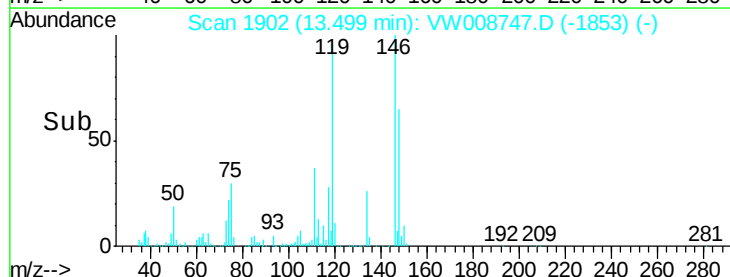
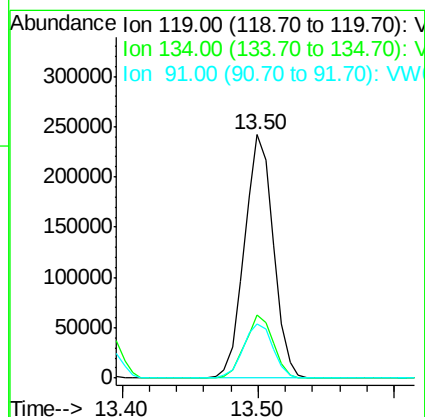
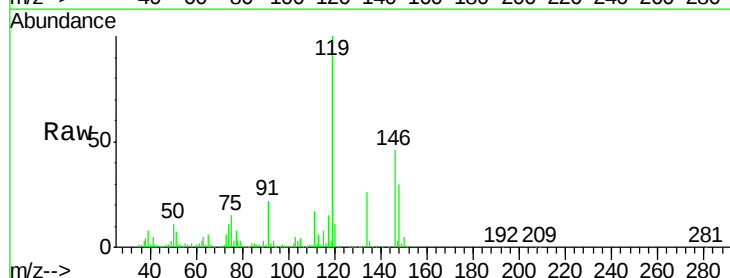
Tgt Ion:119 Resp: 358889

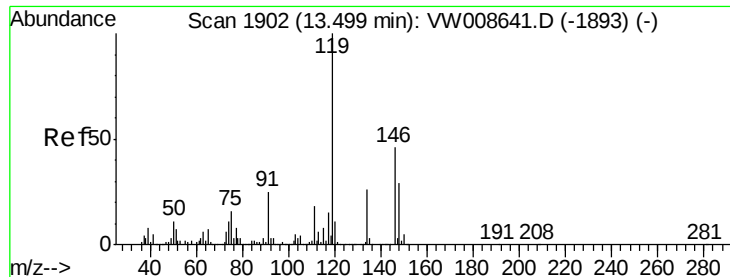
Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 23.2 12.3 36.9

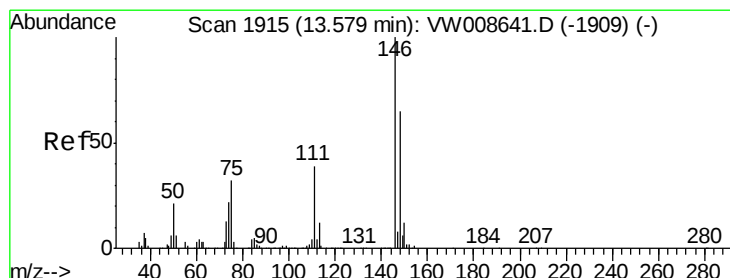
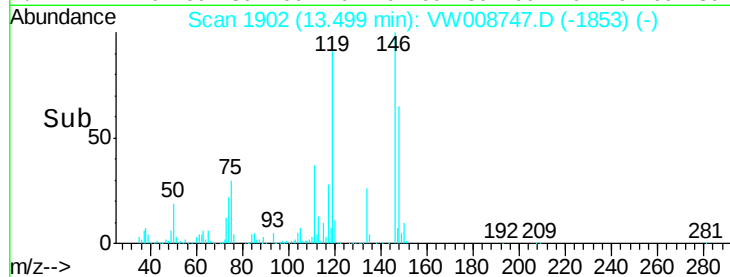
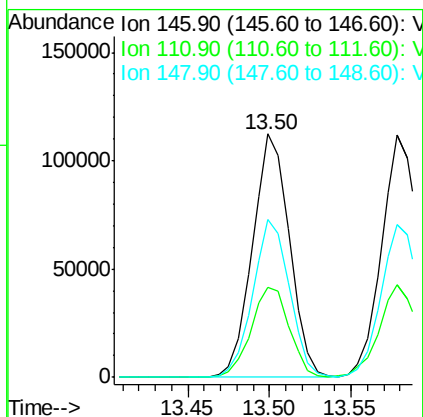
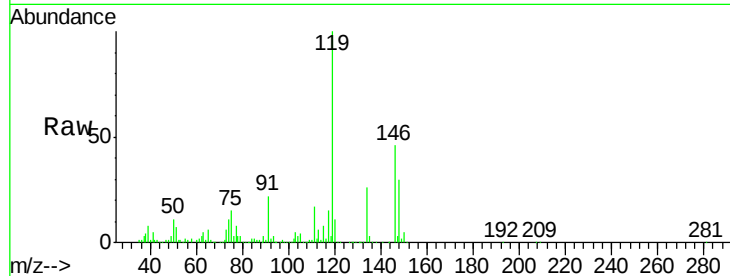




#87
 1,3-Dichlorobenzene
 Concen: 20.151 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

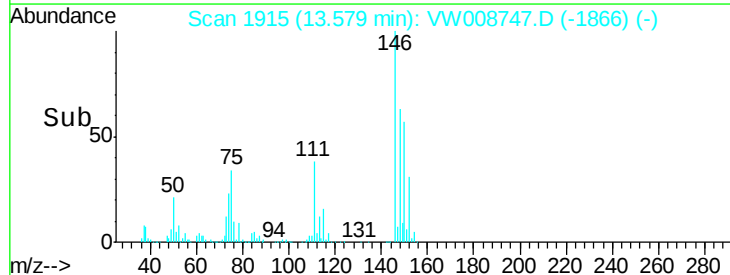
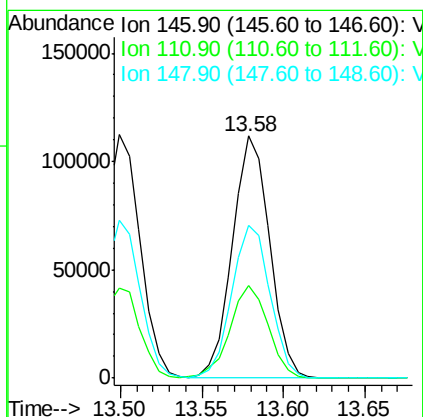
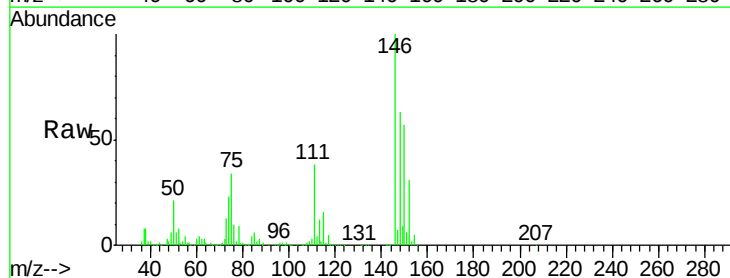
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0219SBSD01

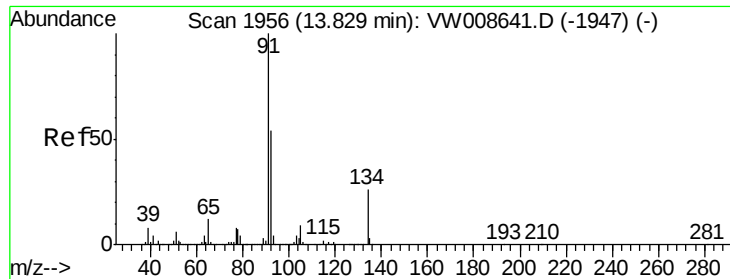
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	64.4	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.476 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.7	31.8	95.4

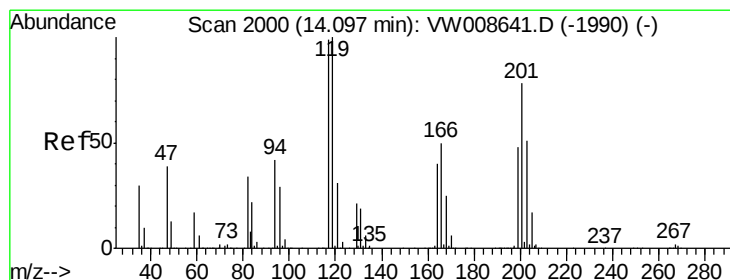
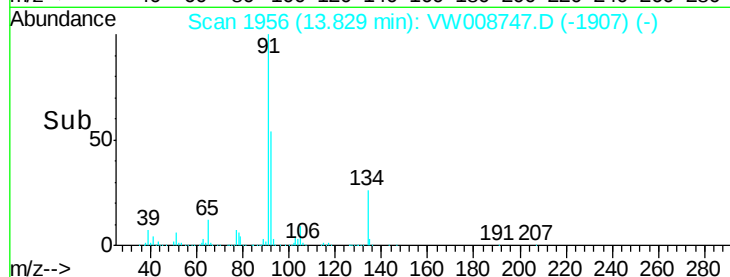
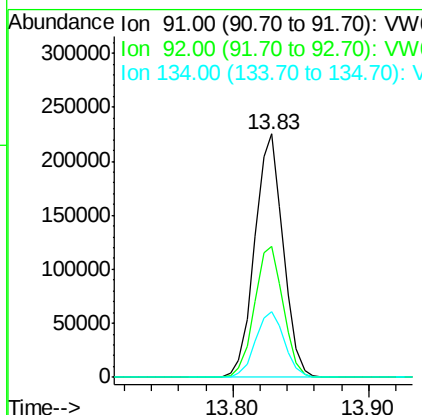
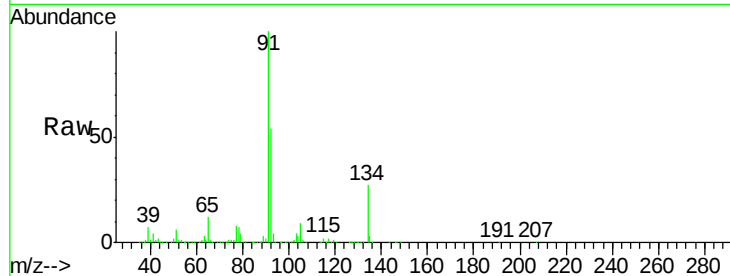




#89
n-Butylbenzene
Concen: 19.537 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

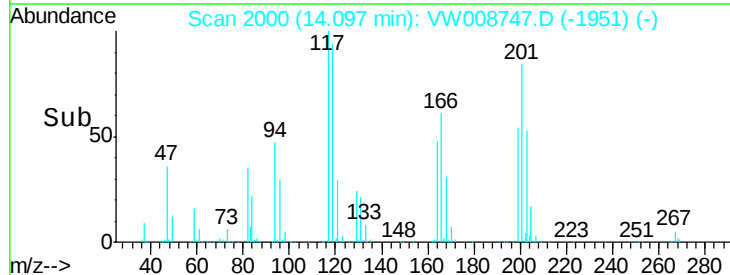
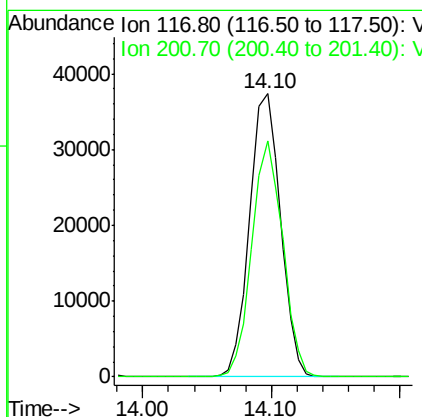
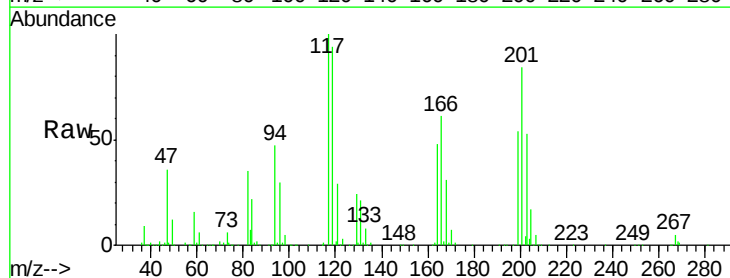
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBS01

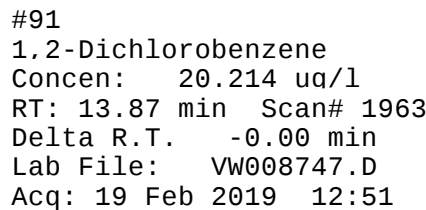
Tot Ion: 91 Resp: 329414
Ion Ratio Lower Upper
91 100
92 54.6 26.8 80.4
134 27.6 13.0 39.0



#90
Hexachloroethane
Concen: 20.077 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008747.D
Acq: 19 Feb 2019 12:51

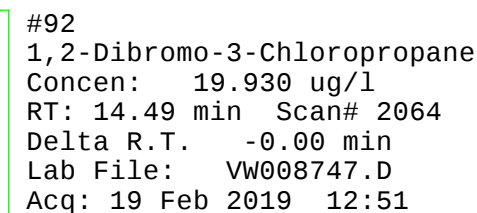
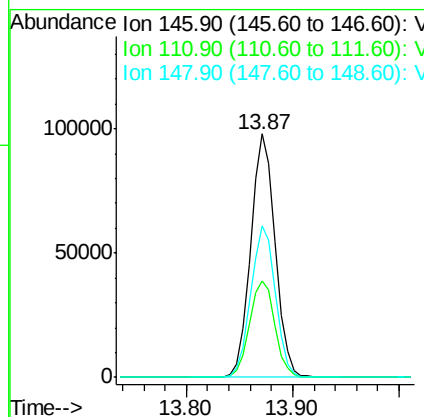
Tgt Ion: 117 Resp: 62235
Ion Ratio Lower Upper
117 100
201 82.8 38.7 116.1



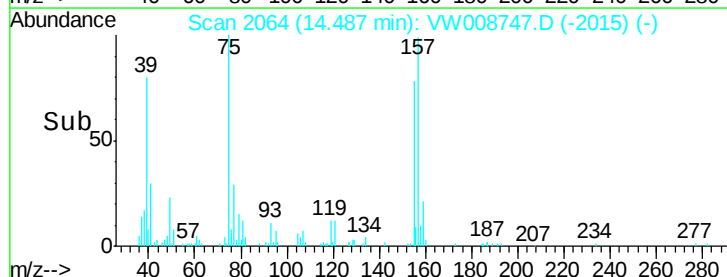
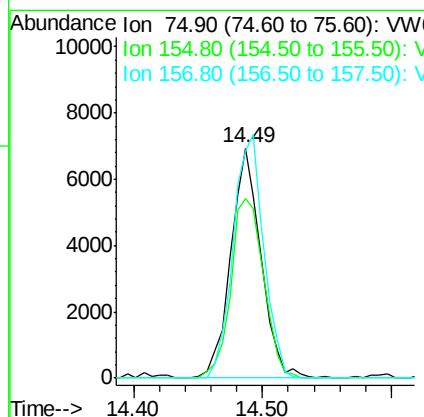


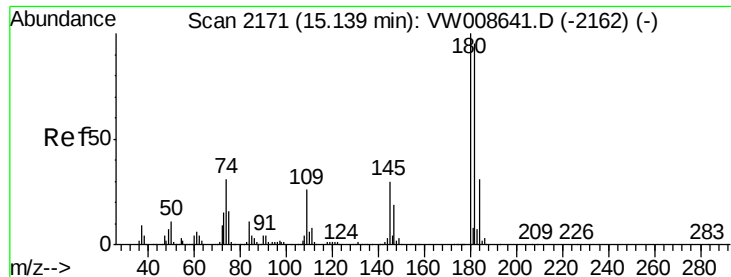
Instrument :
MSVOA_W
ClientSampleId :
VW0219SBSD01

Tqt	Ion:146	Resp:	157611
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	62.9	31.6	94.8



Tgt	Ion: 75	Resp:	11380
Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.8	125.4
157	106.5	53.8	161.4

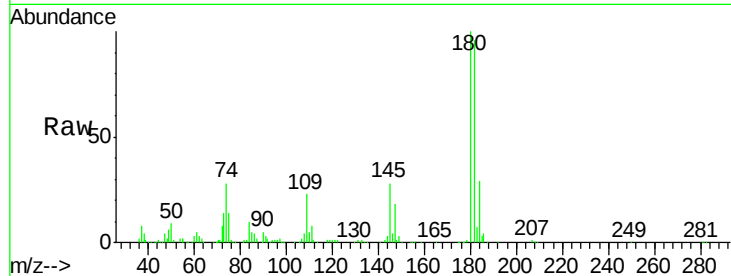




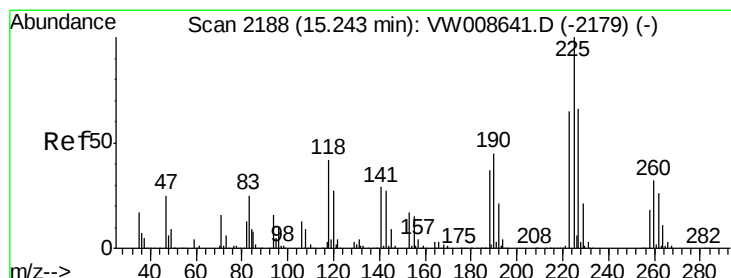
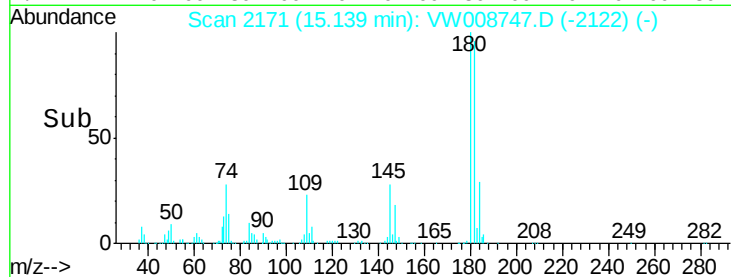
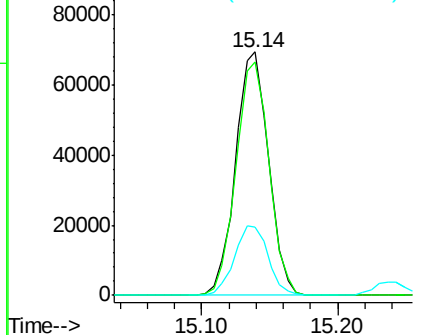
#93
 1,2,4-Trichlorobenzene
 Concen: 21.176 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0219SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	29.3	15.1	45.3

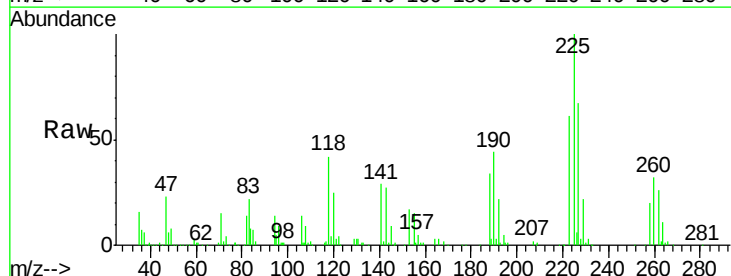


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

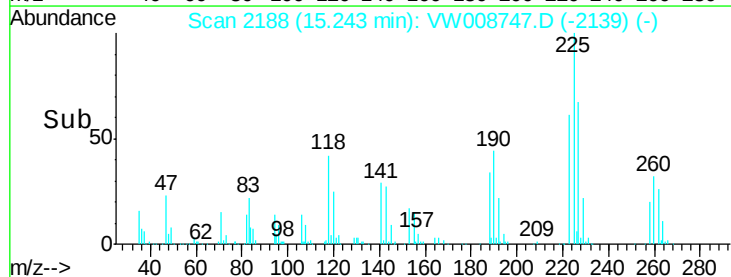
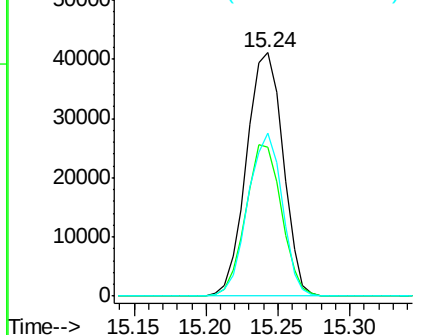


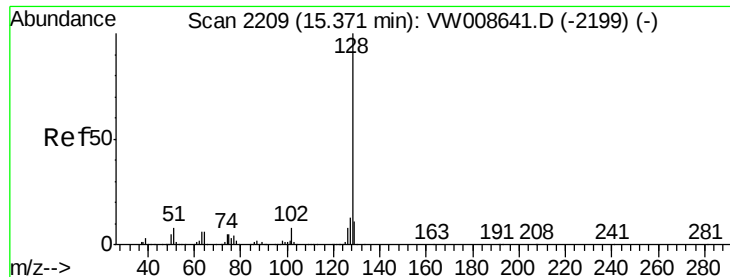
#94
 Hexachlorobutadiene
 Concen: 22.313 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008747.D
 Acq: 19 Feb 2019 12:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.3
227	63.1	32.4	97.0



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: 19.637 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

VW0219SBSD01

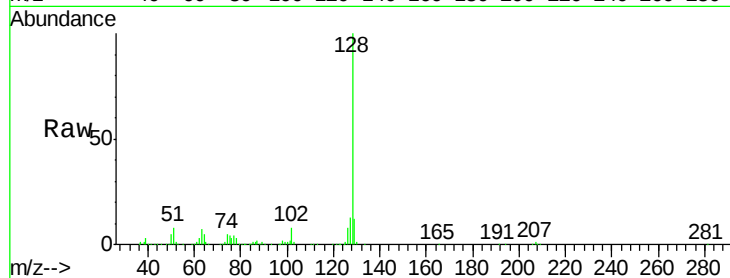
Tot Ion:128 Resp: 195322

Ion Ratio Lower Upper

128 100

127 13.5 10.9 16.3

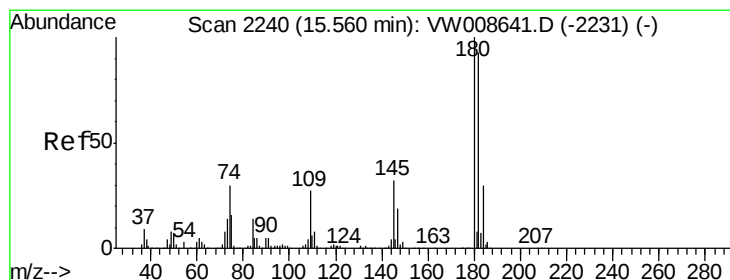
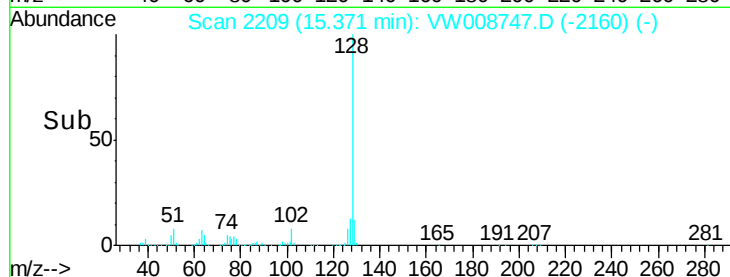
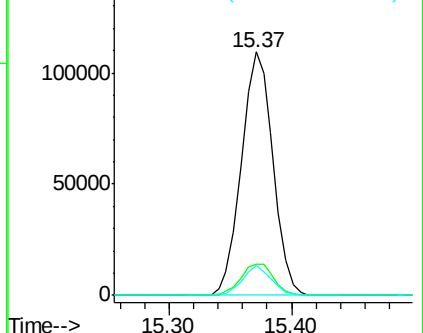
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.118 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW008747.D

Acq: 19 Feb 2019 12:51

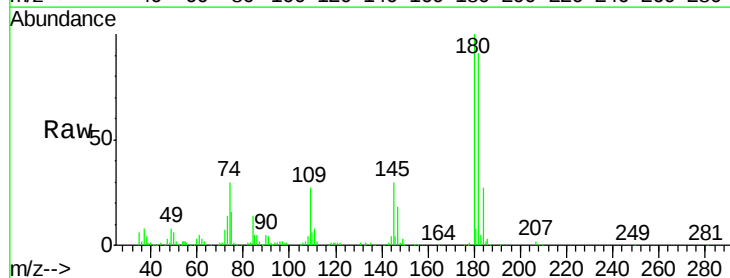
Tgt Ion:180 Resp: 100581

Ion Ratio Lower Upper

180 100

182 94.2 47.5 142.5

145 31.5 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

