

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\
 Data File : VW008616.D
 Acq On : 12 Feb 2019 12:19
 Operator : SY/VA
 Sample : VW0212SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

Quant Time: Feb 13 00:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	401068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	605820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	532565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	281750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	182214	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	7.88	113	177000	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.32	98	667545	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	12.62	95	244811	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31566	15.986	ug/l	97
3) Chloromethane	2.21	50	52552	16.052	ug/l	97
4) Vinyl Chloride	2.36	62	74134	17.789	ug/l	97
5) Bromomethane	2.77	94	61077	22.722	ug/l	92
6) Chloroethane	2.93	64	60219	23.627	ug/l	97
7) Trichlorofluoromethane	3.25	101	57587	19.110	ug/l	99
8) Diethyl Ether	3.67	74	37673	18.835	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	70927	19.553	ug/l	98
10) Methyl Iodide	4.26	142	109372	19.089	ug/l	99
11) Tert butyl alcohol	5.17	59	28287	89.170	ug/l	100
12) 1,1-Dichloroethene	4.03	96	66923	18.230	ug/l	97
13) Acrolein	3.88	56	21978	81.396	ug/l	100
14) Allyl chloride	4.65	41	117105	16.799	ug/l	95
15) Acrylonitrile	5.36	53	77486	89.717	ug/l	99
16) Acetone	4.12	43	75952	85.840	ug/l	96
17) Carbon Disulfide	4.37	76	189472	16.160	ug/l	99
18) Methyl Acetate	4.66	43	42195	17.879	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	119184	19.622	ug/l	98
20) Methylene Chloride	4.90	84	76316	18.713	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	74523	18.057	ug/l	95
22) Diisopropyl ether	6.31	45	228415	17.289	ug/l	98
23) Vinyl Acetate	6.24	43	674299	86.435	ug/l	99
24) 1,1-Dichloroethane	6.20	63	135329	18.096	ug/l	98
25) 2-Butanone	7.17	43	108812	88.538	ug/l	99
26) 2,2-Dichloropropane	7.16	77	91118	18.026	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	83119	18.479	ug/l	98
28) Bromochloromethane	7.51	49	61192	17.815	ug/l	98
29) Tetrahydrofuran	7.52	42	70464	90.477	ug/l	96
30) Chloroform	7.67	83	136231	18.521	ug/l	94
31) Cyclohexane	7.95	56	134005	17.330	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	117842	18.548	ug/l	100
36) 1,1-Dichloropropene	8.07	75	109751	19.178	ug/l	98
37) Ethyl Acetate	7.25	43	48263	19.062	ug/l	96
38) Carbon Tetrachloride	8.06	117	112051	19.458	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	139746	18.589	ug/l	98
40) Benzene	8.32	78	299616	18.868	ug/l	99
41) Methacrylonitrile	7.48	41	28980	19.331	ug/l	97
42) 1,2-Dichloroethane	8.40	62	88957	19.331	ug/l	100
43) Isopropyl Acetate	8.42	43	97199	18.479	ug/l	98
44) Trichloroethene	9.09	130	83429	19.320	ug/l	99
45) 1,2-Dichloropropane	9.37	63	73686	18.610	ug/l	97
46) Dibromomethane	9.45	93	39202	19.250	ug/l	97
47) Bromodichloromethane	9.64	83	101304	18.807	ug/l	98
48) Methyl methacrylate	9.43	41	45524	17.700	ug/l	97
49) 1,4-Dioxane	9.45	88	13155	382.163	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	241494	92.932	ug/l	100
52) Toluene	10.38	92	195244	18.626	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	101607	17.727	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	115430	17.746	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	54536	19.307	ug/l	98
56) Ethyl methacrylate	10.65	69	68817	17.387	ug/l	99
57) 1,3-Dichloropropane	10.93	76	95483	18.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	198009	102.965	ug/l	99
59) 2-Hexanone	10.97	43	173588	94.624	ug/l	100
60) Dibromochloromethane	11.13	129	66859	18.419	ug/l	97
61) 1,2-Dibromoethane	11.23	107	52512	18.749	ug/l	100
64) Tetrachloroethene	10.86	164	72482	20.101	ug/l	98
65) Chlorobenzene	11.66	112	215643	19.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	76886	19.767	ug/l	98
67) Ethyl Benzene	11.73	91	382596	19.145	ug/l	98
68) m/p-Xylenes	11.84	106	297536	38.374	ug/l	97
69) o-Xylene	12.16	106	140070	19.013	ug/l	97
70) Styrene	12.18	104	222697	18.301	ug/l	98
71) Bromoform	12.35	173	40271	18.401	ug/l #	100
73) Isopropylbenzene	12.46	105	393536	18.735	ug/l	100
74) N-amyl acetate	12.27	43	93317	17.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	62671	18.846	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	42868m	17.500	ug/l	
77) Bromobenzene	12.75	156	90101	19.641	ug/l	93
78) n-propylbenzene	12.80	91	466658	18.497	ug/l	98
79) 2-Chlorotoluene	12.89	91	259118	18.201	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	323790	18.443	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	20050	16.166	ug/l	93
82) 4-Chlorotoluene	12.99	91	273644	18.054	ug/l	99
83) tert-Butylbenzene	13.21	119	288358	18.457	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	329756	18.479	ug/l	100
85) sec-Butylbenzene	13.38	105	414785	18.590	ug/l	100
86) p-Isopropyltoluene	13.50	119	367498	18.803	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	177626	19.173	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	177209	19.247	ug/l	99
89) n-Butylbenzene	13.83	91	353856	18.440	ug/l	99
90) Hexachloroethane	14.10	117	69975	18.308	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	159272	19.430	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10881	17.245	ug/l	99

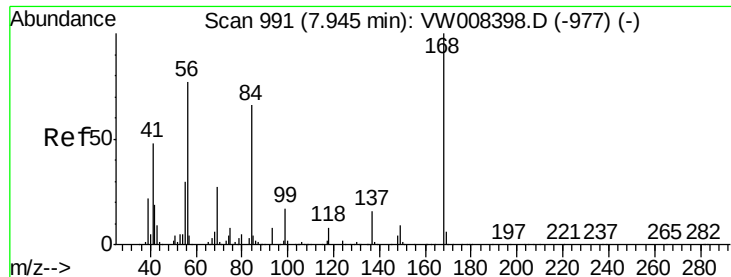
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021219\
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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	118778	20.305	ug/l	99
94) Hexachlorobutadiene	15.24	225	74005	20.992	ug/l	99
95) Naphthalene	15.37	128	200363	19.507	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	100190	20.191	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

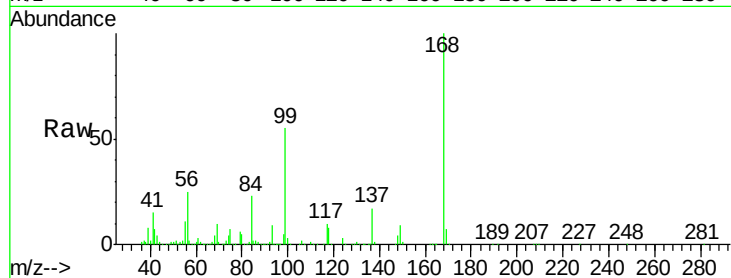
VW0212SBS01

Tot Ion:168 Resp: 401068

Ion Ratio Lower Upper

168 100

99 54.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

200000

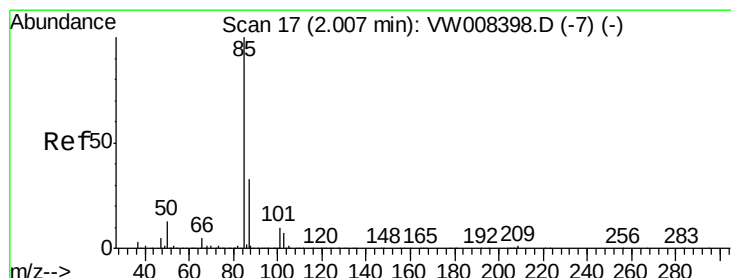
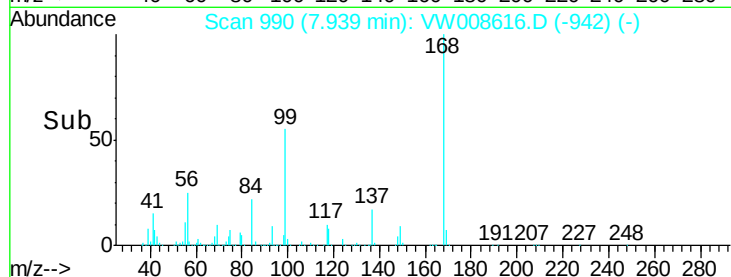
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 15.986 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008616.D

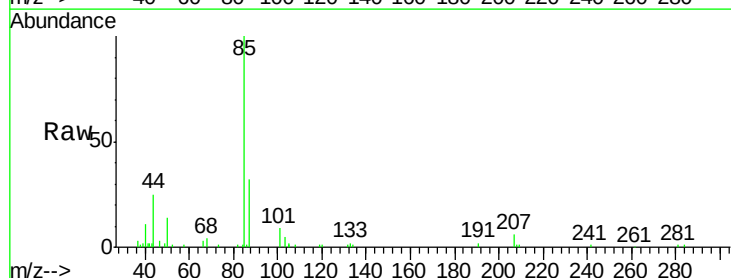
Acq: 12 Feb 2019 12:19

Tgt Ion: 85 Resp: 31566

Ion Ratio Lower Upper

85 100

87 31.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

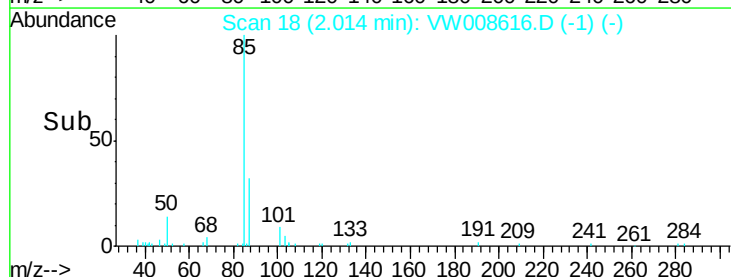
6000

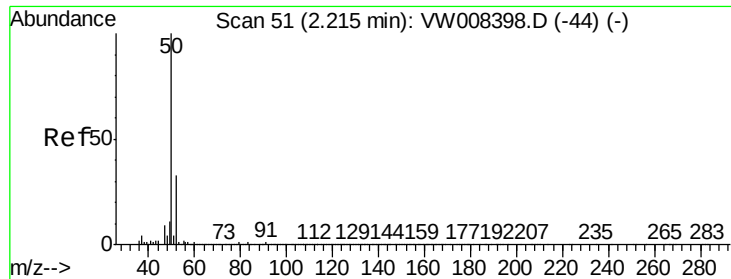
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 16.052 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

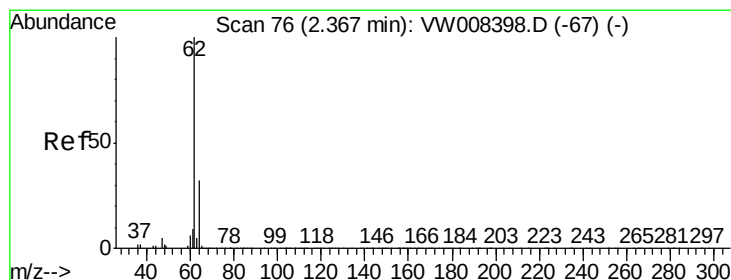
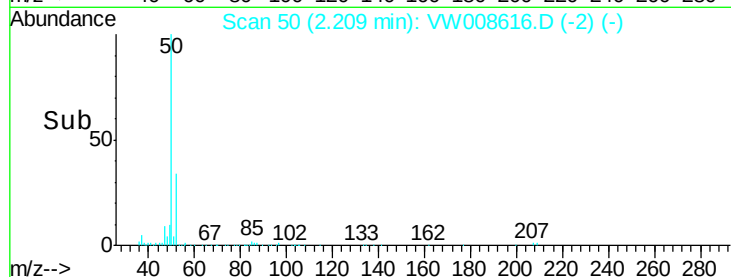
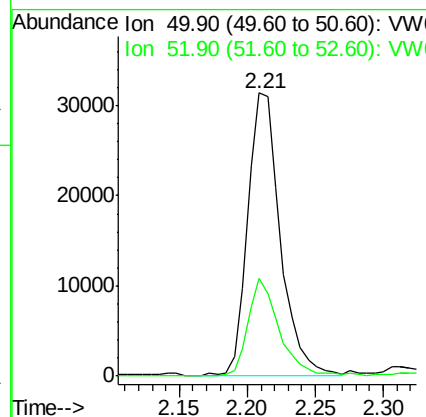
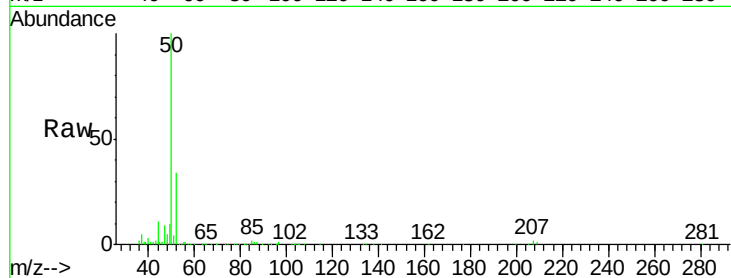
VW0212SBS01

Tot Ion: 50 Resp: 52552

Ion Ratio Lower Upper

50 100

52 34.5 26.3 39.5



#4

Vinyl Chloride

Concen: 17.789 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008616.D

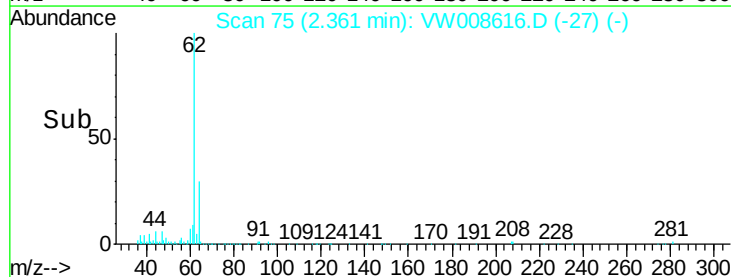
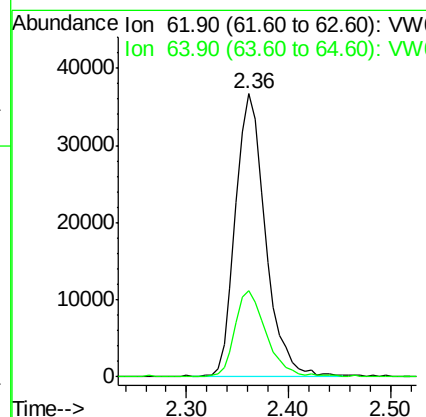
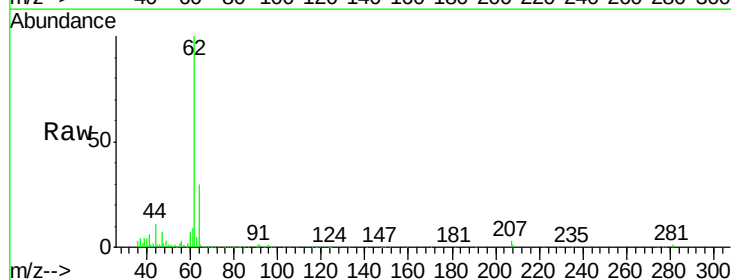
Acq: 12 Feb 2019 12:19

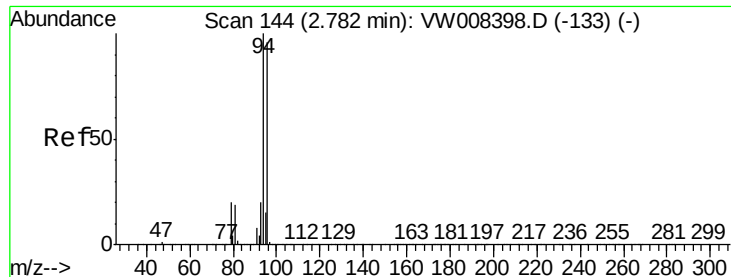
Tgt Ion: 62 Resp: 74134

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 22.722 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

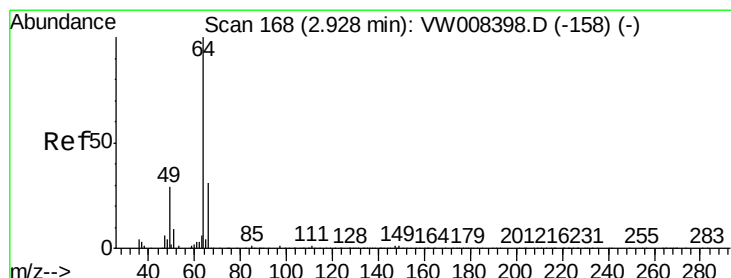
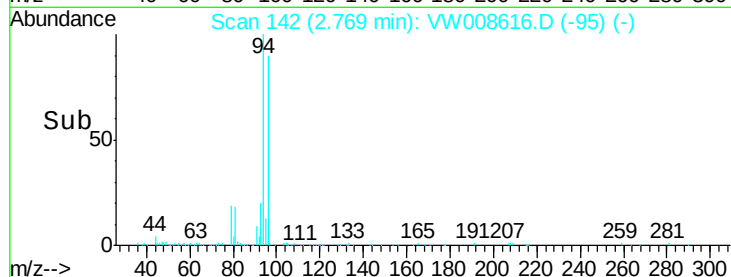
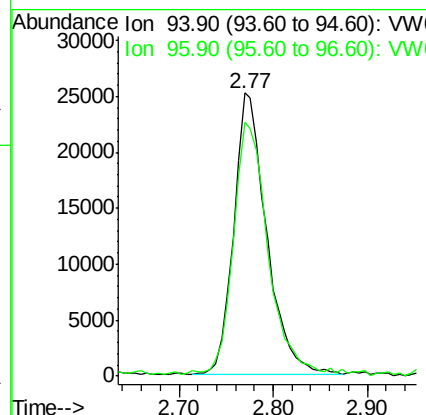
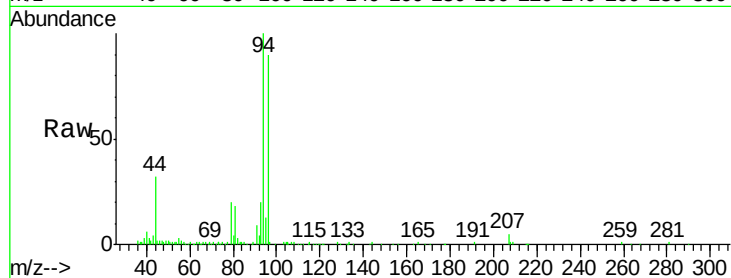
VW0212SBS01

Tot Ion: 94 Resp: 61077

Ion Ratio Lower Upper

94 100

96 88.3 77.2 115.8



#6

Chloroethane

Concen: 23.627 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008616.D

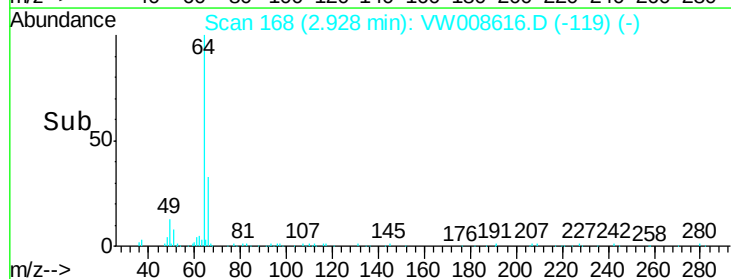
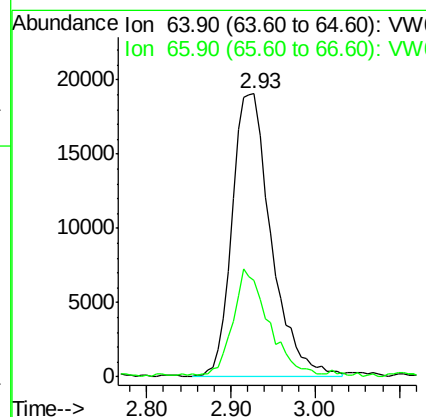
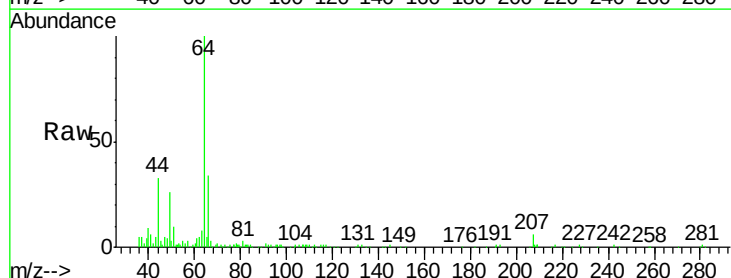
Acq: 12 Feb 2019 12:19

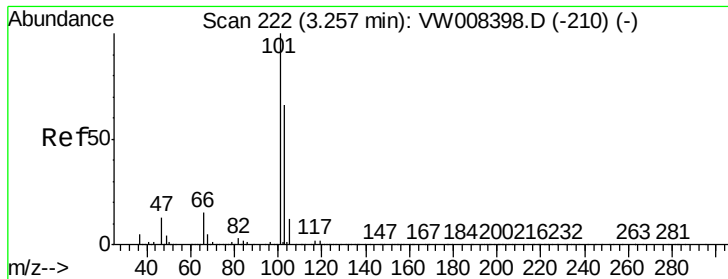
Tgt Ion: 64 Resp: 60219

Ion Ratio Lower Upper

64 100

66 32.7 24.9 37.3



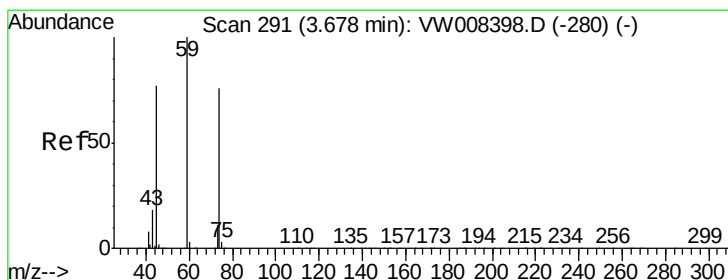
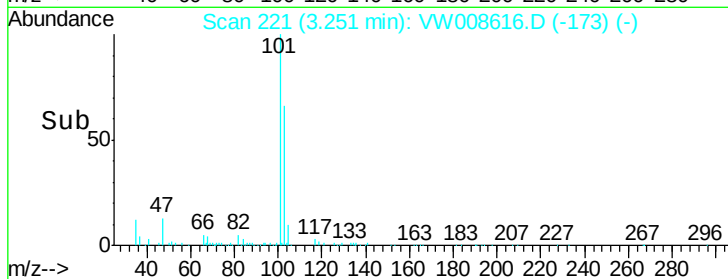
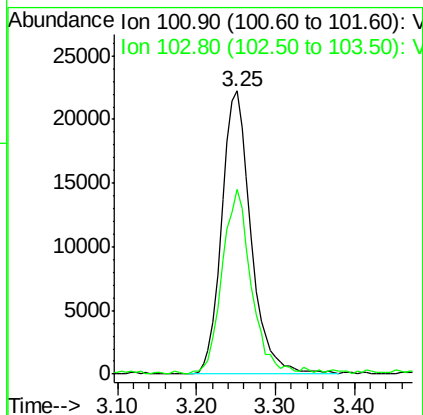
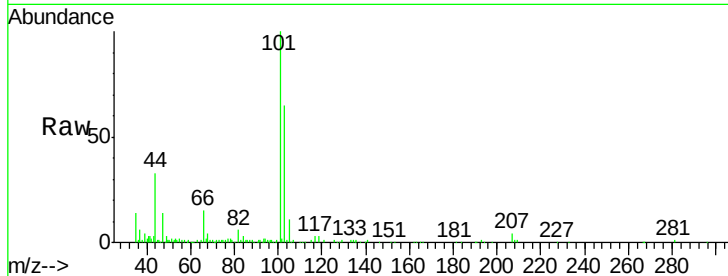


#7

Trichlorofluoromethane
 Concen: 19.110 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

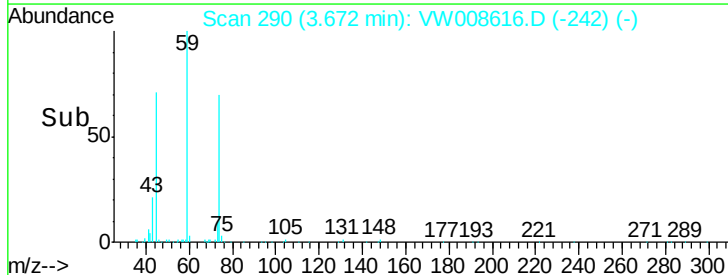
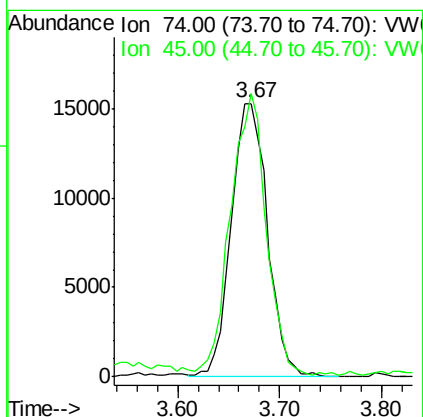
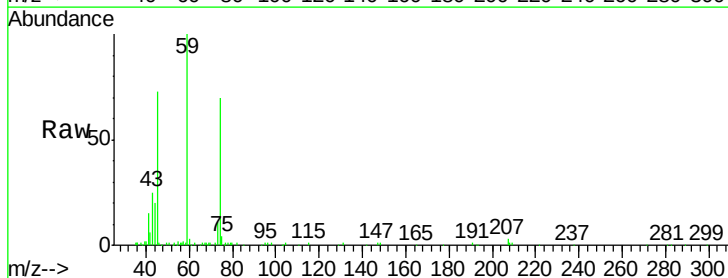
Tot Ion:101 Resp: 57587
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.5 78.7

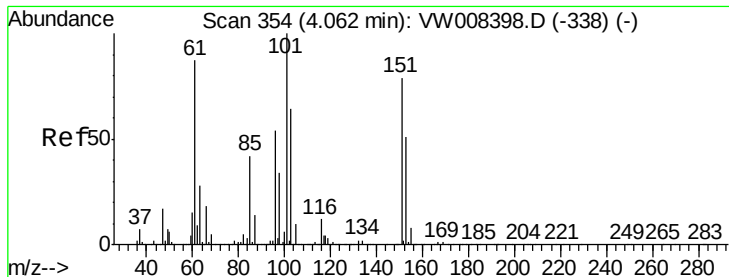


#8

Diethyl Ether
 Concen: 18.835 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion: 74 Resp: 37673
 Ion Ratio Lower Upper
 74 100
 45 101.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.553 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

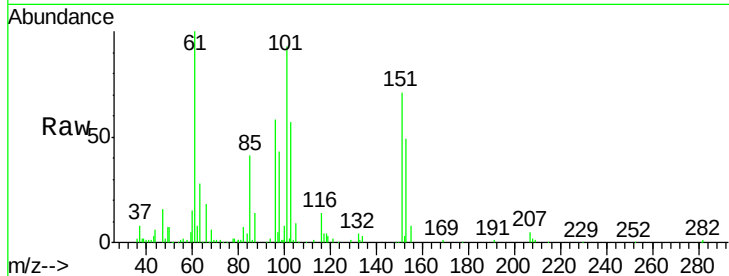
Tot Ion:101 Resp: 70927

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

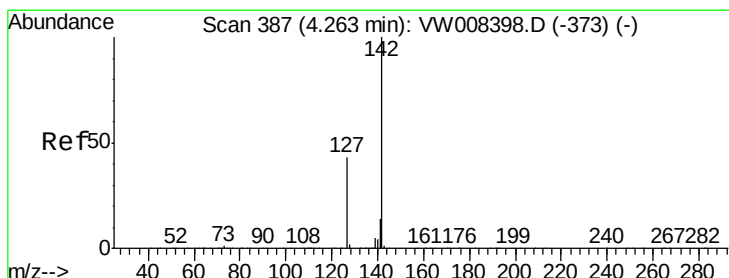
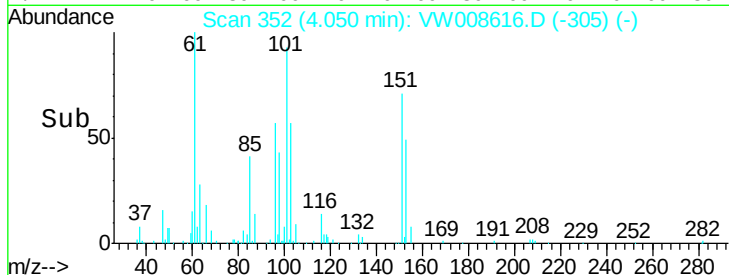
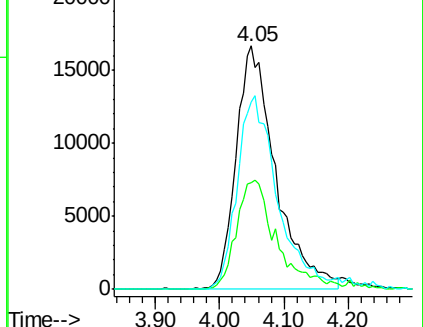
151 80.3 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.089 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

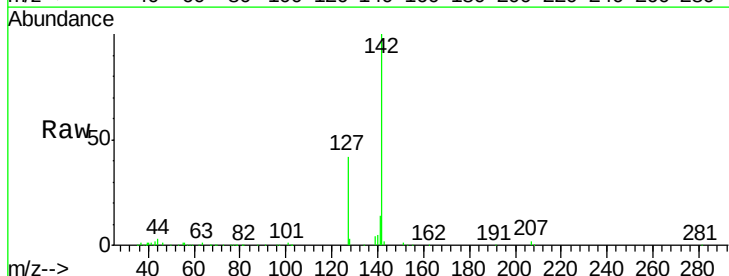
Tgt Ion:142 Resp: 109372

Ion Ratio Lower Upper

142 100

127 42.5 34.6 52.0

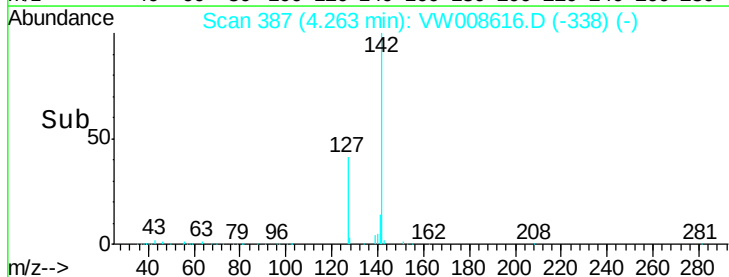
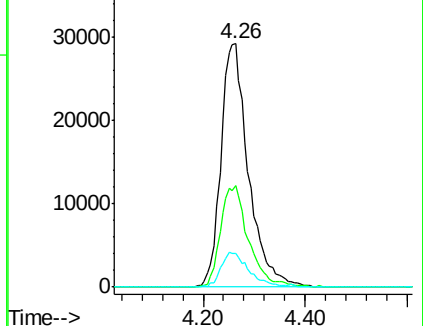
141 14.3 11.4 17.2

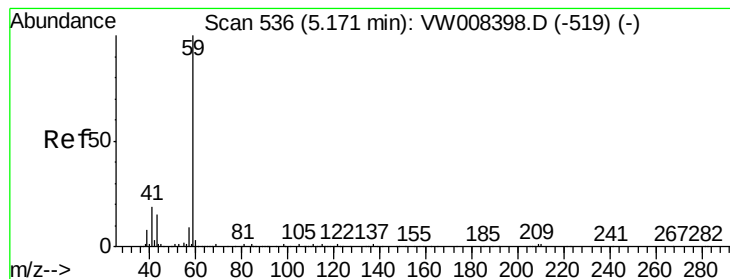


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



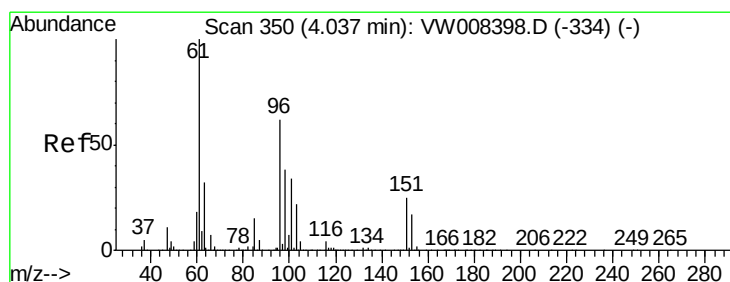
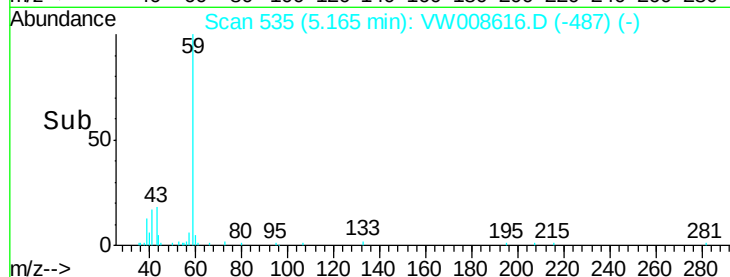
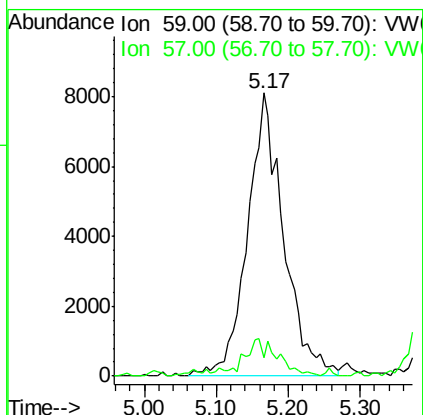
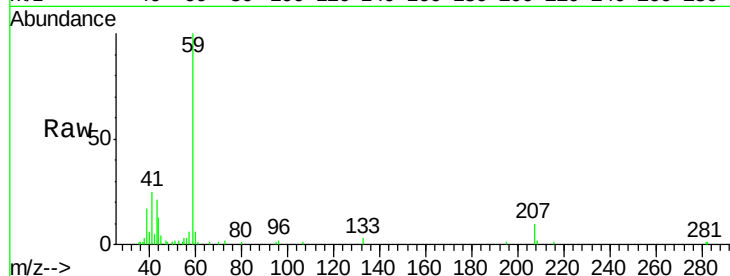


#11

Tert butyl alcohol
Concen: 89.170 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

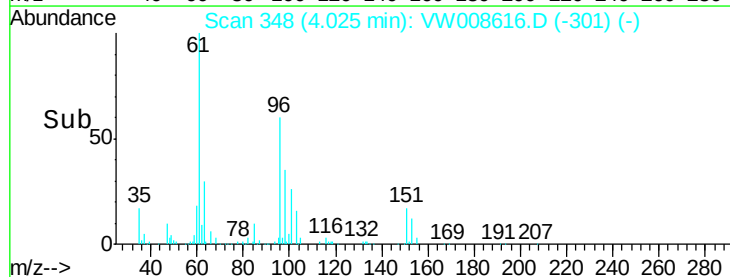
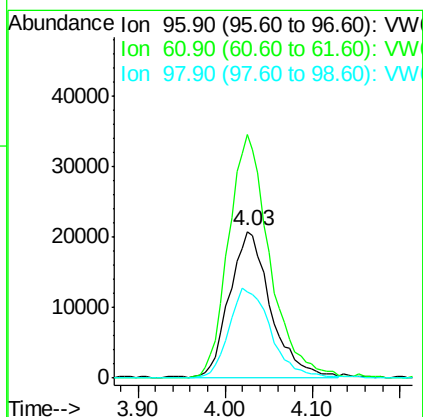
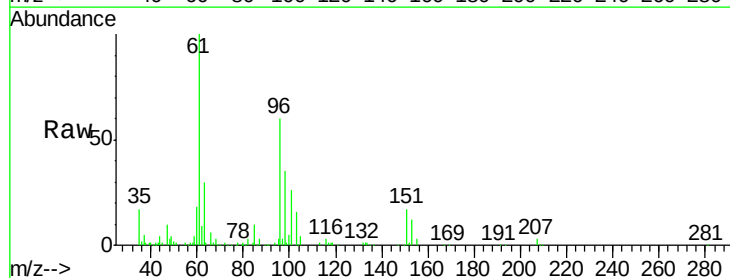
Tot Ion: 59 Resp: 28287
Ion Ratio Lower Upper
59 100
57 11.7 9.3 13.9

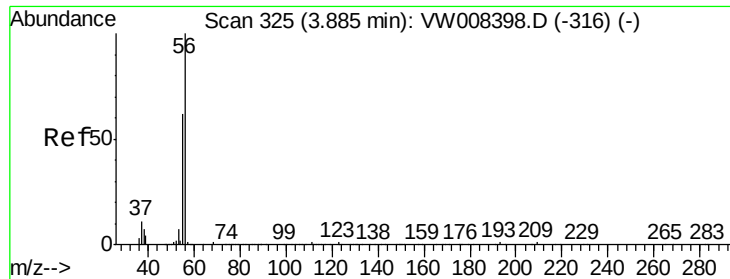


#12

1,1-Dichloroethene
Concen: 18.230 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion: 96 Resp: 66923
Ion Ratio Lower Upper
96 100
61 166.5 129.5 194.3
98 59.0 48.6 73.0





#13

Acrolein

Concen: 81.396 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

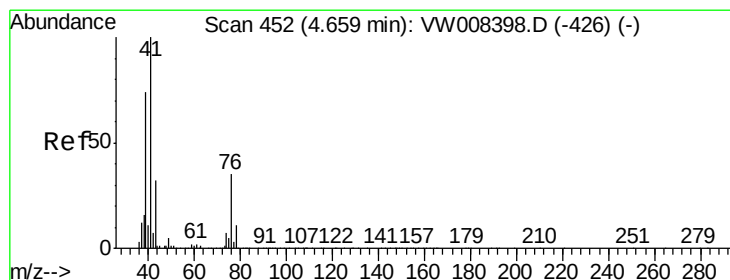
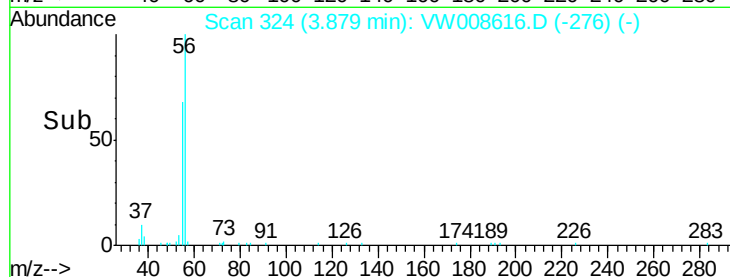
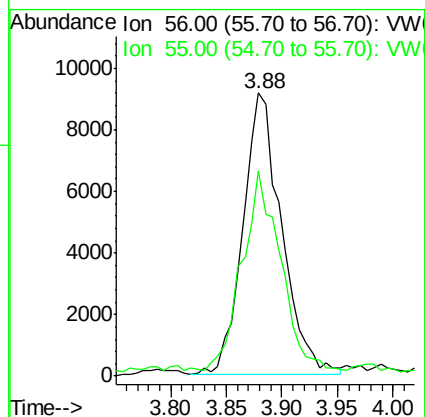
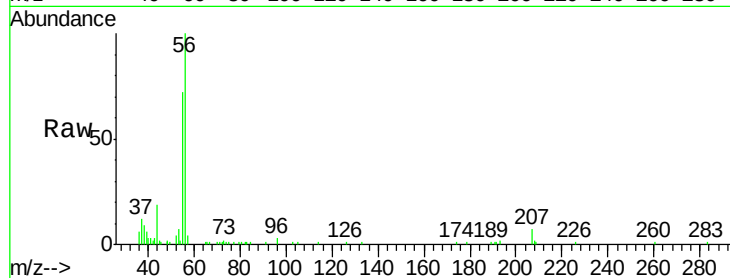
VW0212SBS01

Tot Ion: 56 Resp: 21978

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Allyl chloride

Concen: 16.799 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

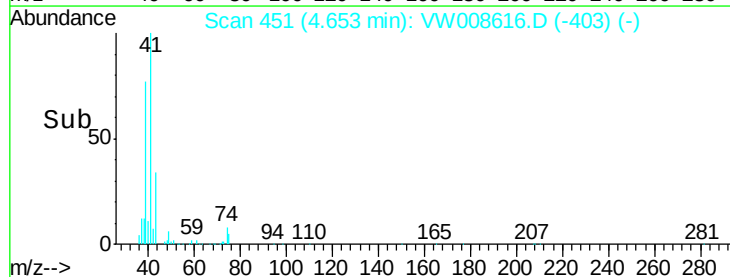
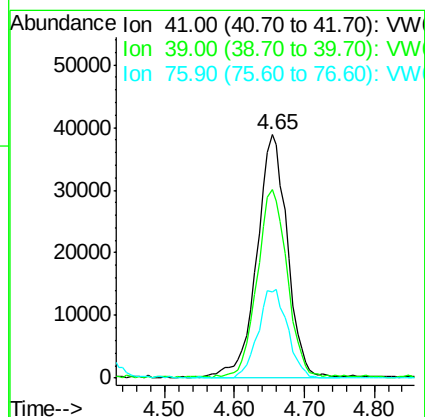
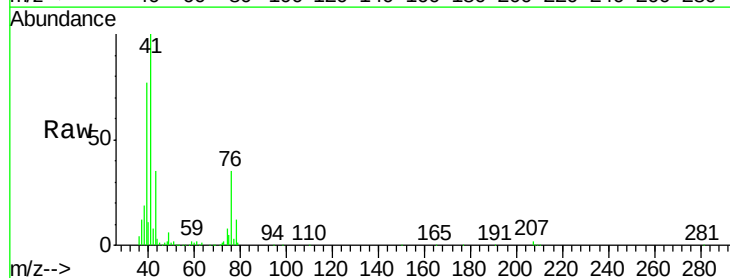
Tgt Ion: 41 Resp: 117105

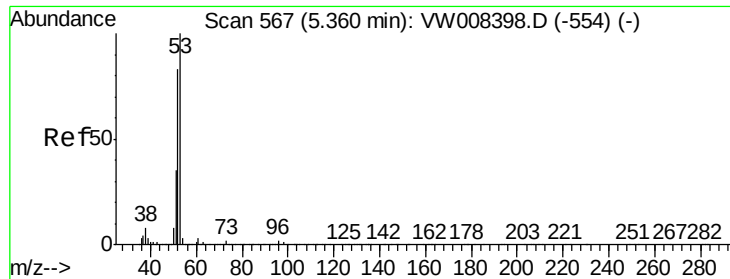
Ion Ratio Lower Upper

41 100

39 76.4 57.7 86.5

76 35.5 26.9 40.3

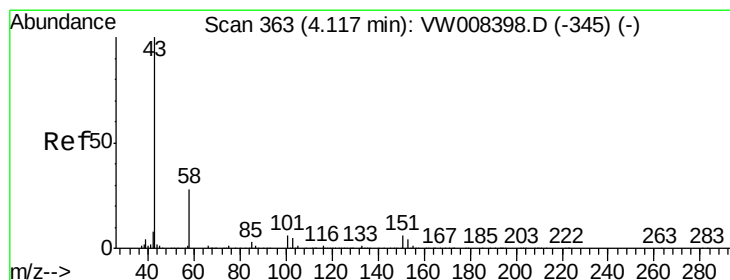
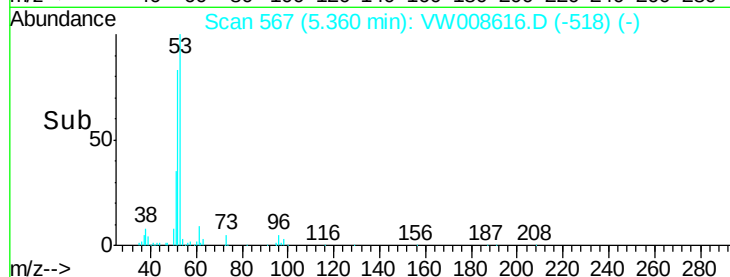
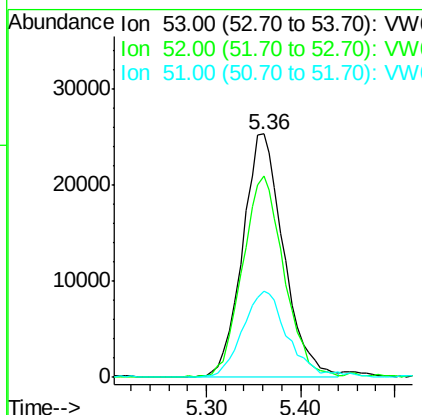
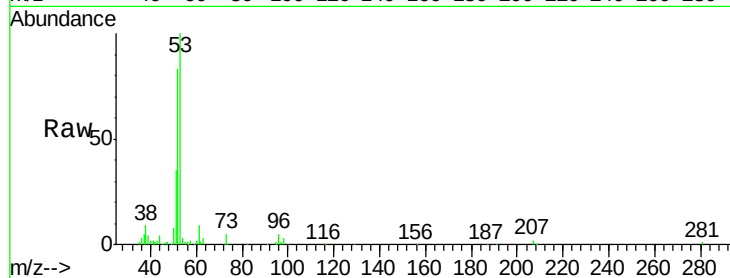




#15
 Acrylonitrile
 Concen: 89.717 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

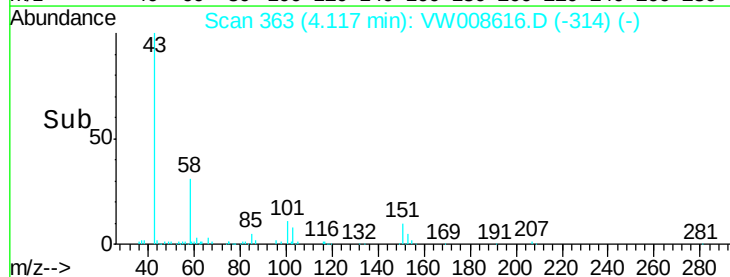
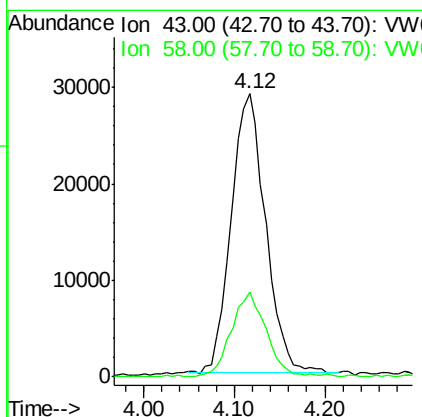
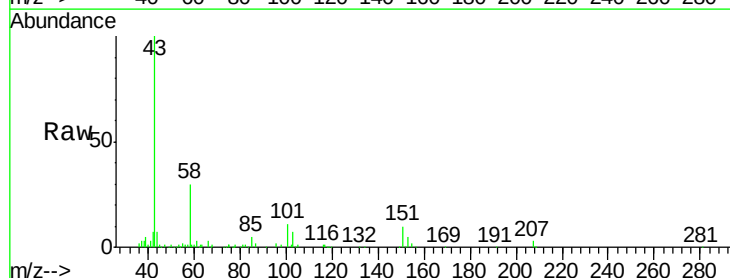
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

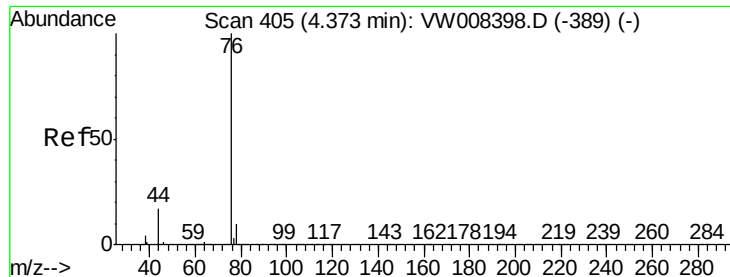
Tot Ion:	53	Resp:	77486
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.0	100.4
51	39.1	29.8	44.8



#16
 Acetone
 Concen: 85.840 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion:	43	Resp:	75952
Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.6	34.0





#17

Carbon Disulfide

Concen: 16.160 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

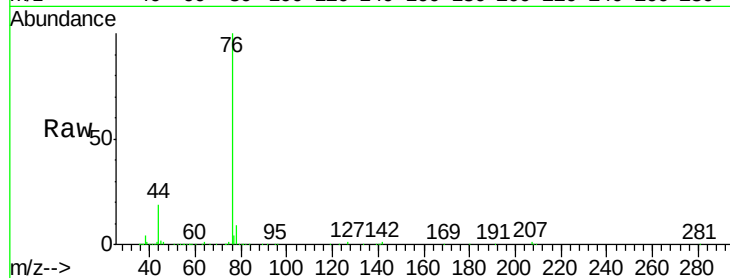
VW0212SBS01

Tot Ion: 76 Resp: 189472

Ion Ratio Lower Upper

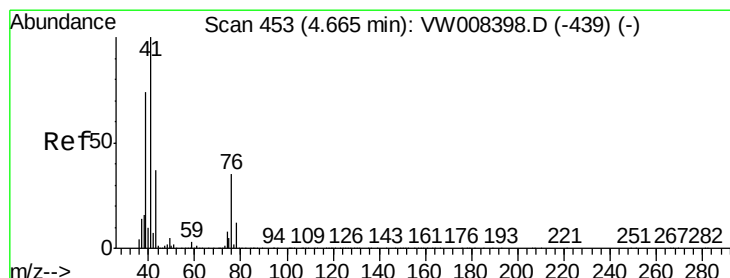
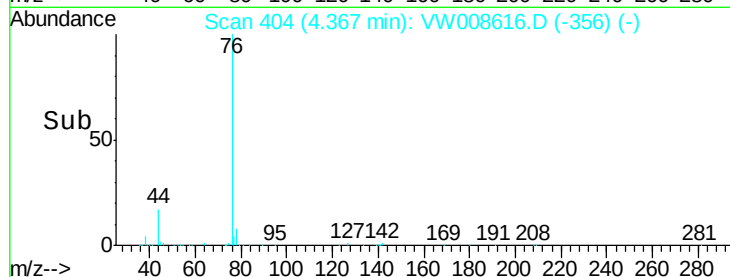
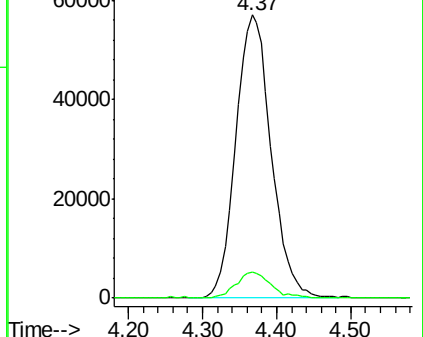
76 100

78 9.4 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 17.879 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008616.D

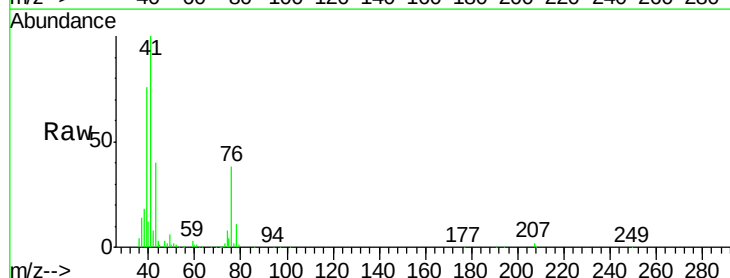
Acq: 12 Feb 2019 12:19

Tgt Ion: 43 Resp: 42195

Ion Ratio Lower Upper

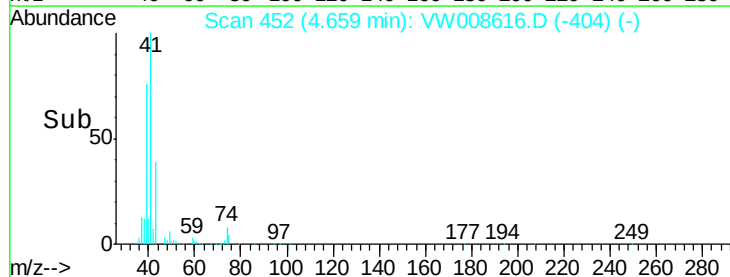
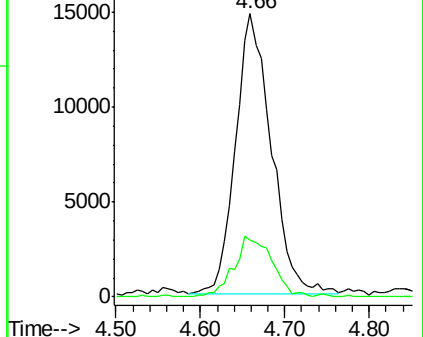
43 100

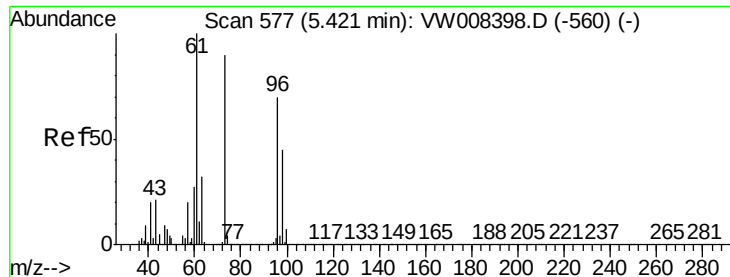
74 23.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

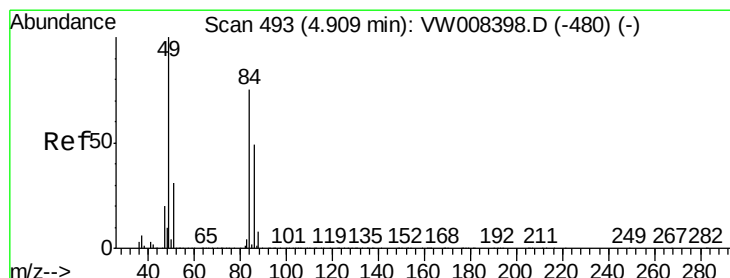
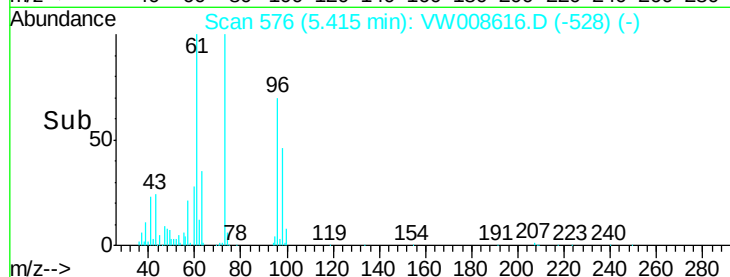
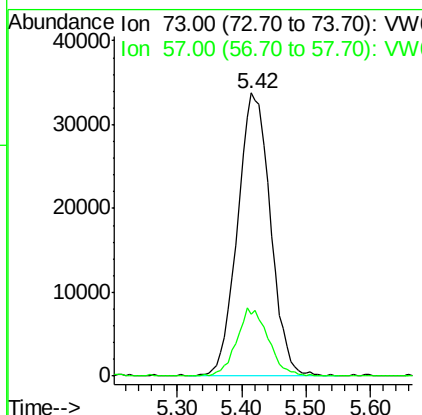
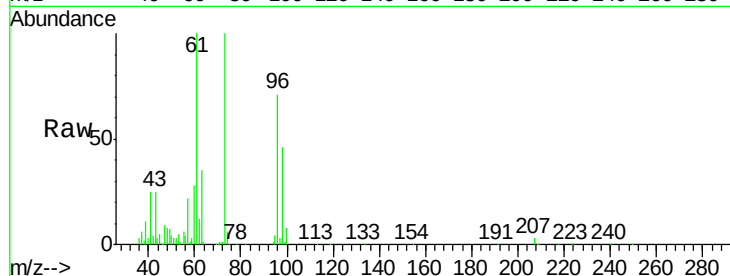




#19
Methyl tert-butyl Ether
Concen: 19.622 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

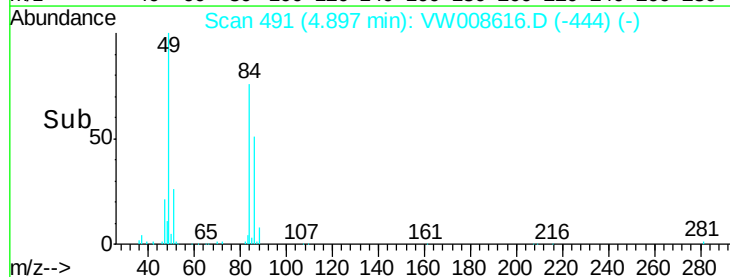
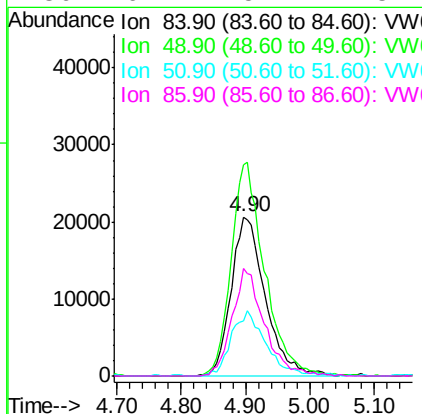
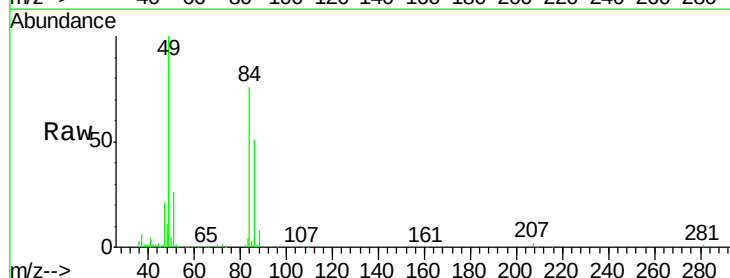
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

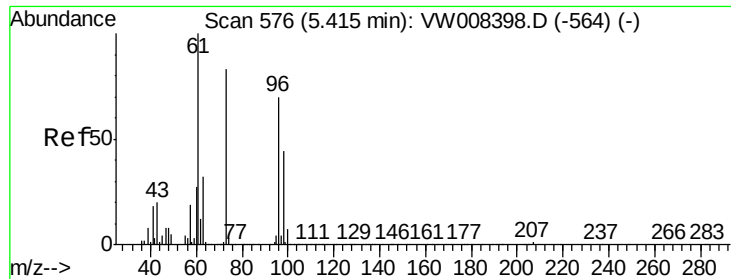
Tot Ion: 73 Resp: 119184
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0



#20
Methylene Chloride
Concen: 18.713 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion: 84 Resp: 76316
Ion Ratio Lower Upper
84 100
49 132.4 106.8 160.2
51 34.9 32.9 49.3
86 67.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.057 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

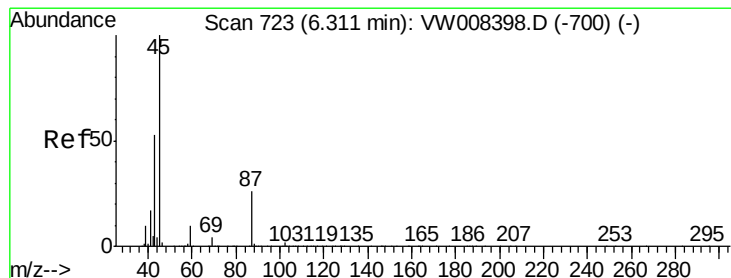
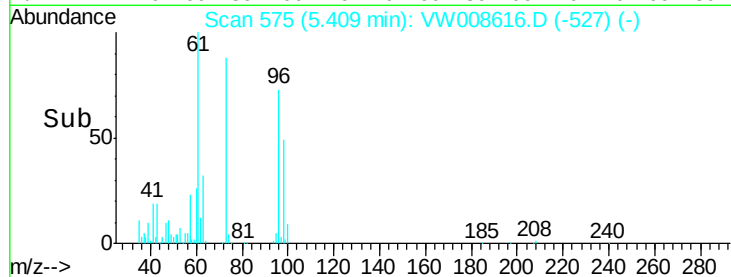
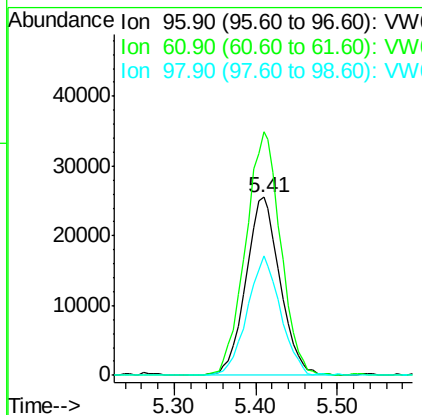
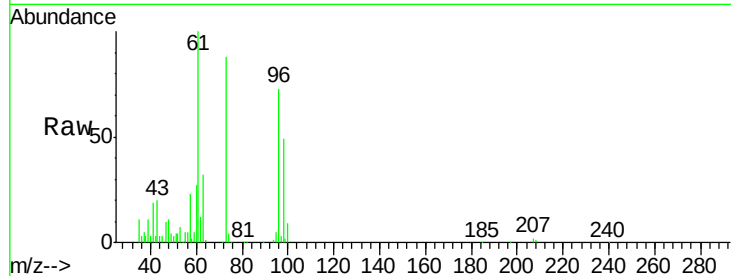
Tot Ion: 96 Resp: 74523

Ion Ratio Lower Upper

96 100

61 136.6 114.4 171.6

98 67.3 50.6 75.8



#22

Diisopropyl ether

Concen: 17.289 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Tgt Ion: 45 Resp: 228415

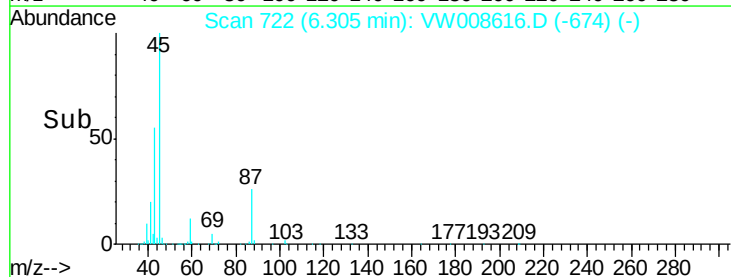
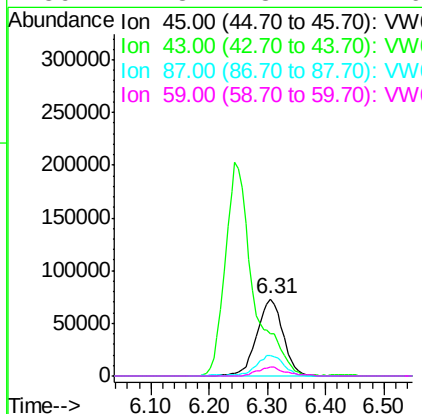
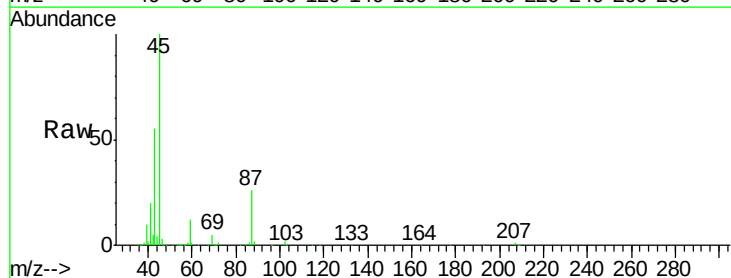
Ion Ratio Lower Upper

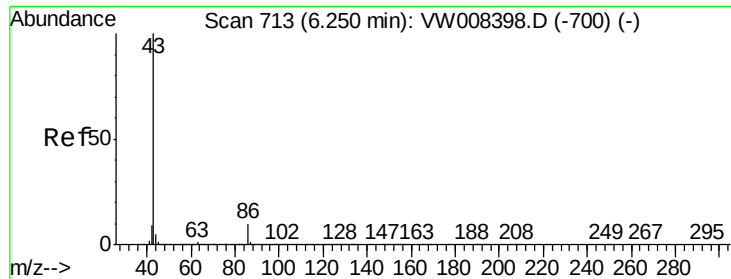
45 100

43 55.3 42.6 63.8

87 25.8 20.3 30.5

59 11.8 8.4 12.6

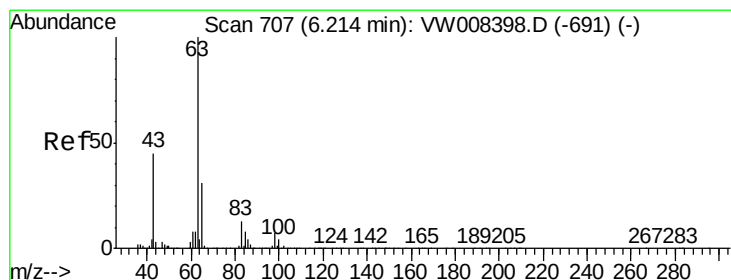
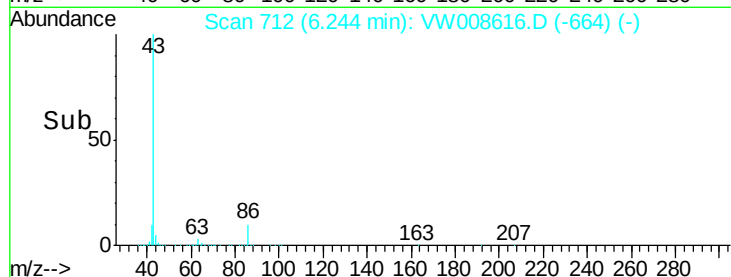
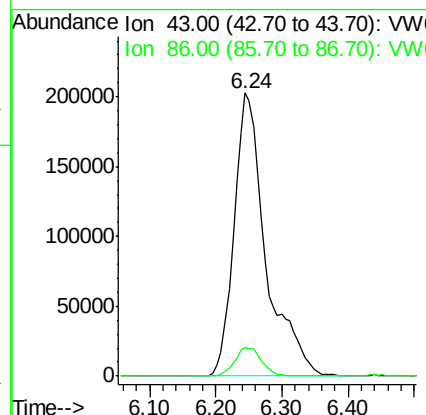
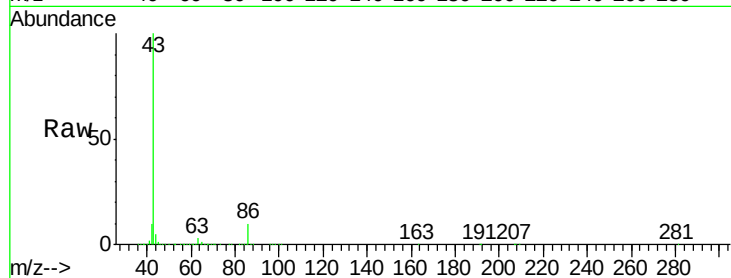




#23
 Vinyl Acetate
 Concen: 86.435 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

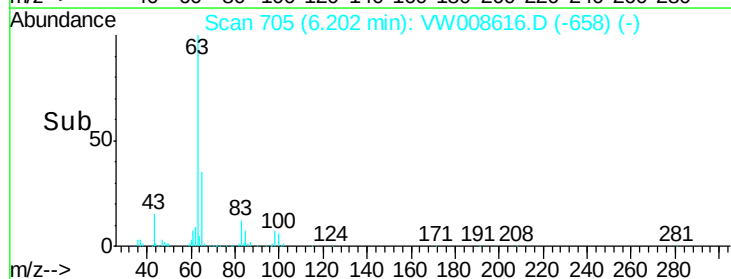
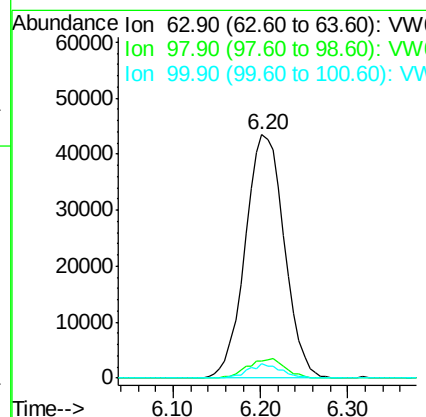
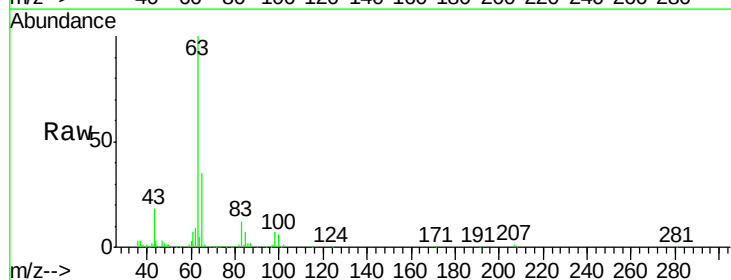
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

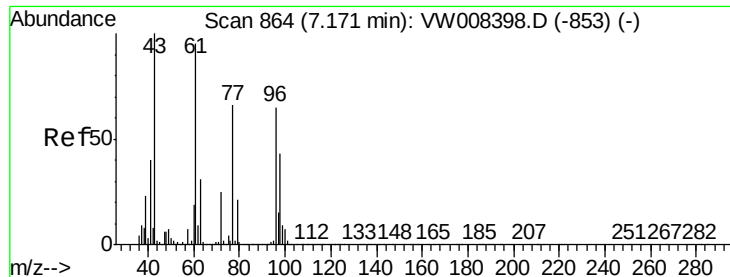
Tot Ion: 43 Resp: 674299
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 18.096 ug/l
 RT: 6.20 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion: 63 Resp: 135329
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 5.9 2.1 6.2





#25

2-Butanone

Concen: 88.538 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

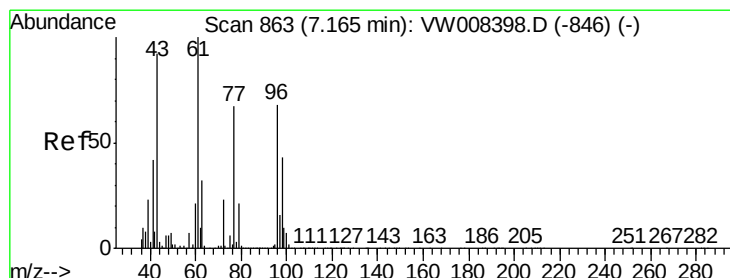
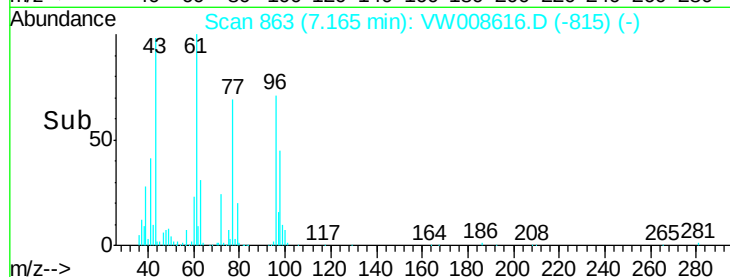
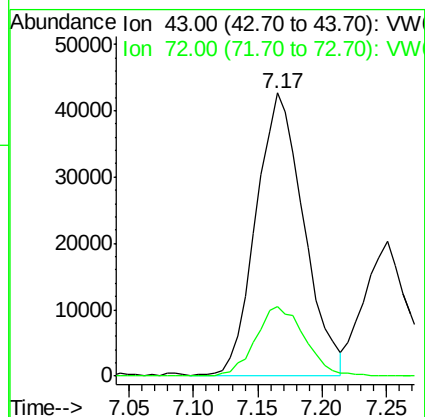
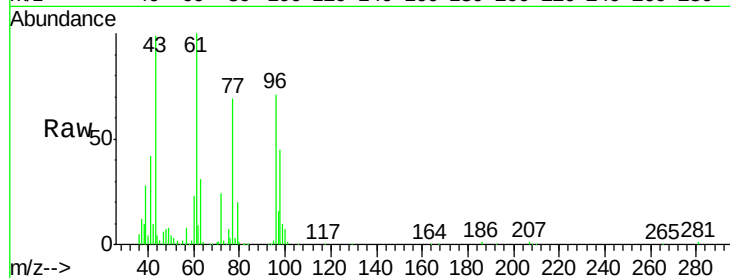
VW0212SBS01

Tot Ion: 43 Resp: 108812

Ion Ratio Lower Upper

43 100

72 24.6 20.1 30.1



#26

2,2-Dichloropropane

Concen: 18.026 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008616.D

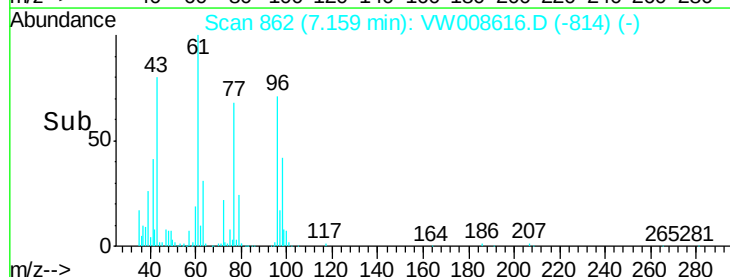
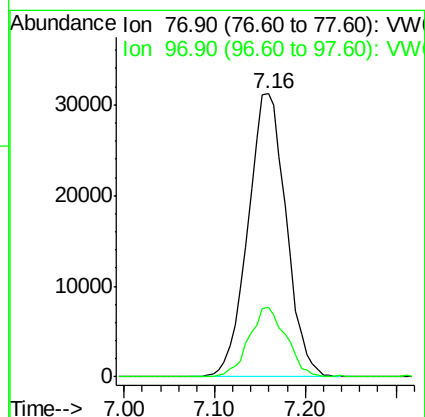
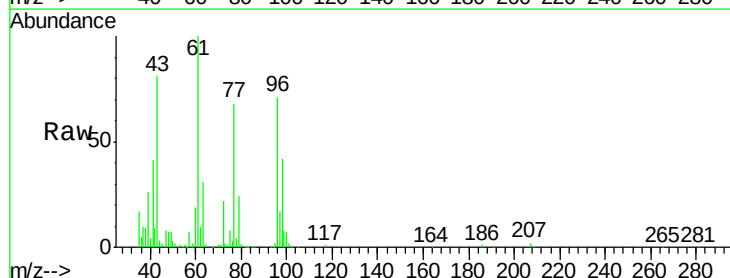
Acq: 12 Feb 2019 12:19

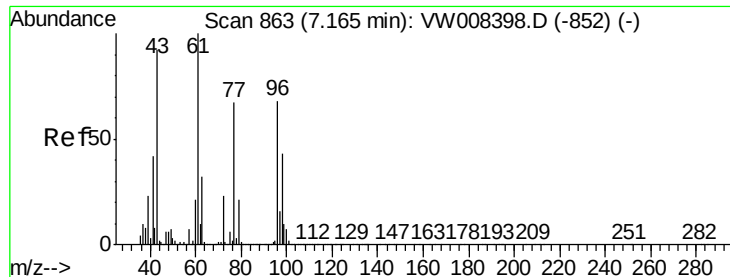
Tgt Ion: 77 Resp: 91118

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5



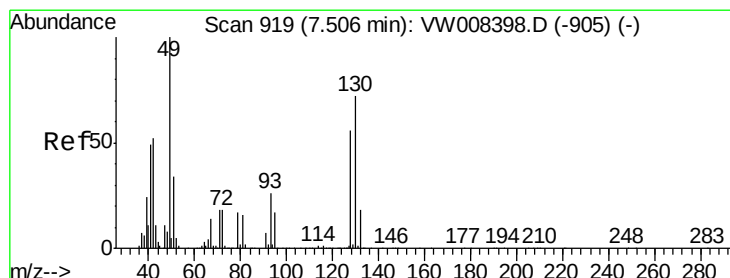
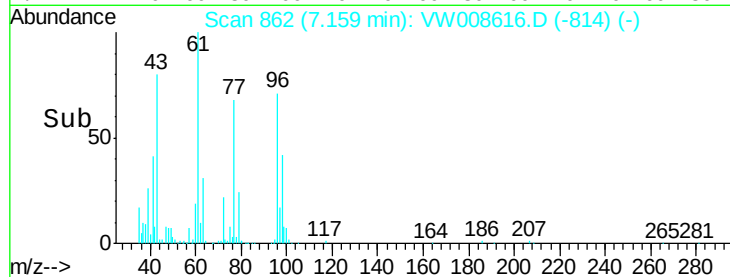
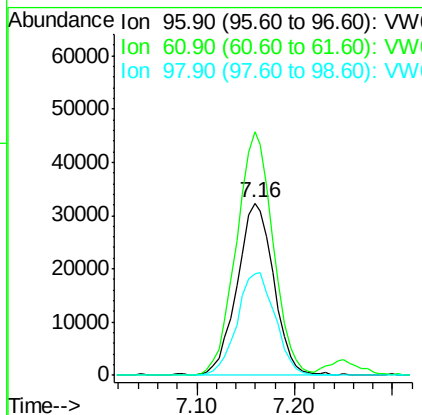
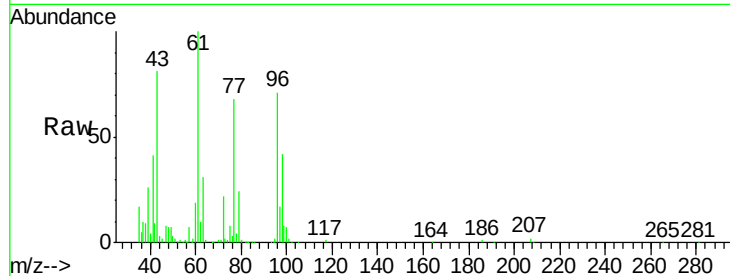


#27

cis-1,2-Dichloroethene
 Concen: 18.479 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

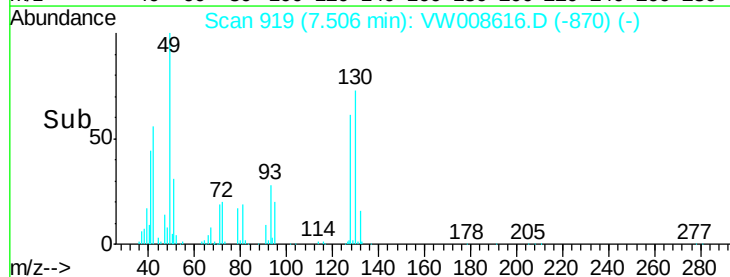
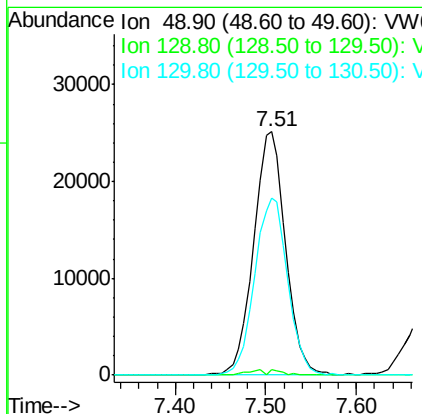
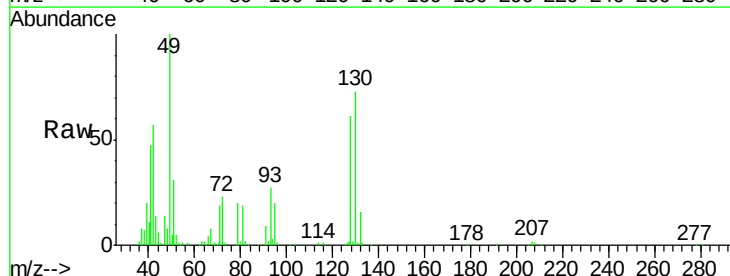
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	292.8
98	62.4	0.0	129.2

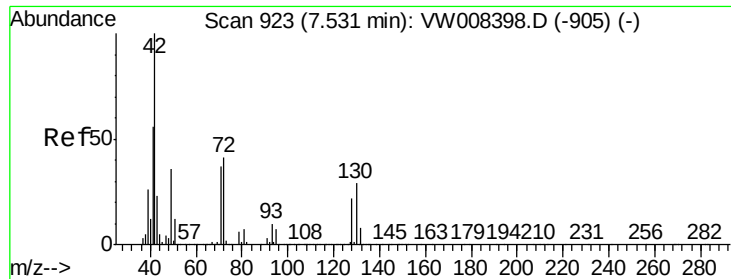


#28

Bromochloromethane
 Concen: 17.815 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	75.2	58.6	87.8

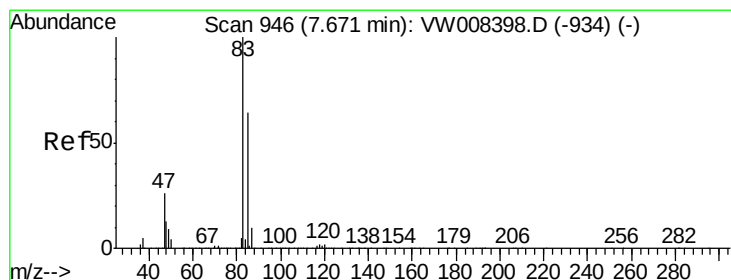
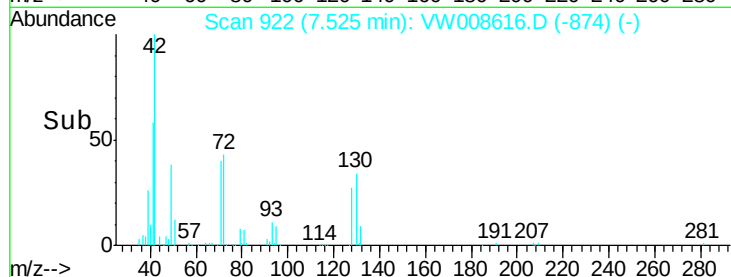
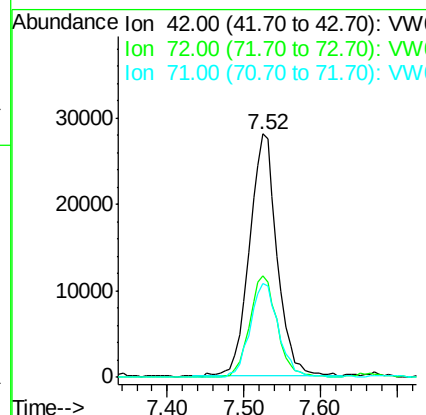
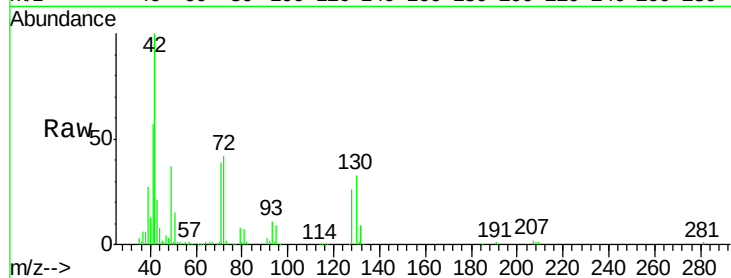




#29
Tetrahydrofuran
Concen: 90.477 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

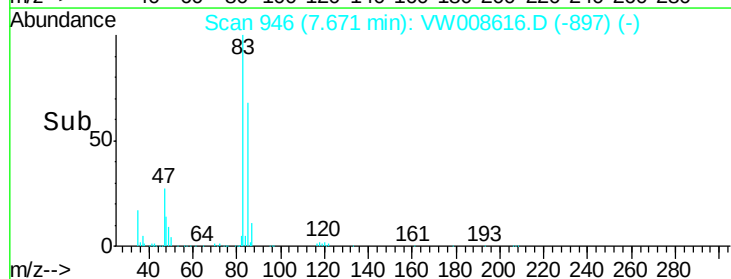
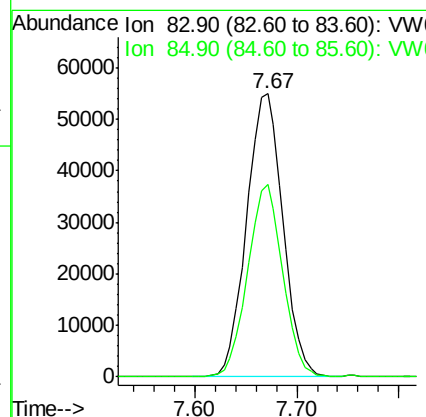
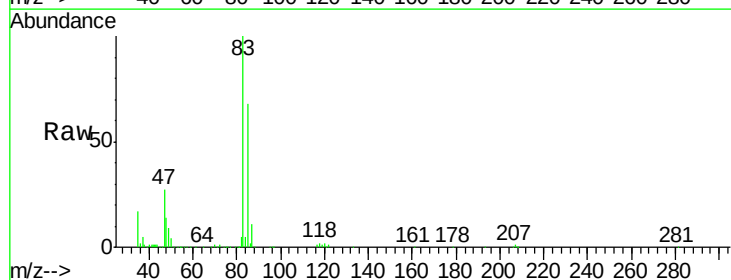
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

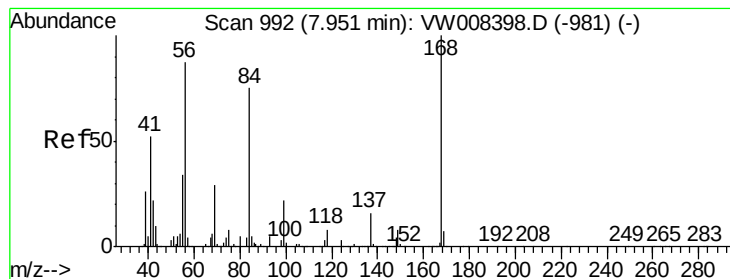
Tot Ion: 42 Resp: 70464
Ion Ratio Lower Upper
42 100
72 42.0 31.9 47.9
71 39.9 29.9 44.9



#30
Chloroform
Concen: 18.521 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion: 83 Resp: 136231
Ion Ratio Lower Upper
83 100
85 68.1 50.9 76.3





#31

Cyclohexane

Concen: 17.330 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

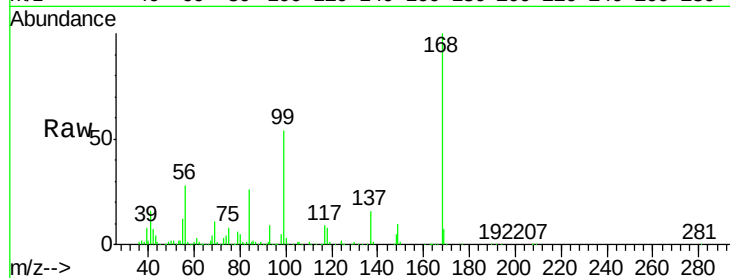
Tot Ion: 56 Resp: 134005

Ion Ratio Lower Upper

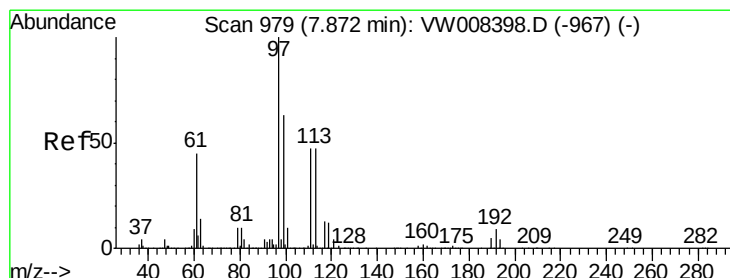
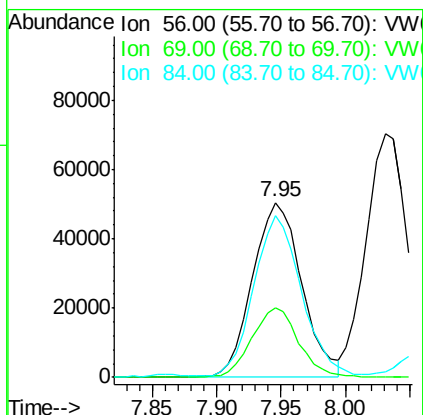
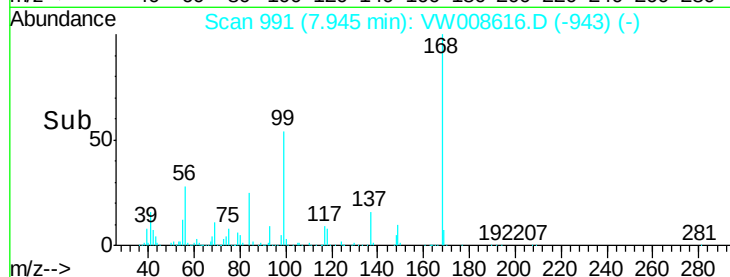
56 100

69 39.8 26.4 39.6#

84 91.2 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 18.548 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

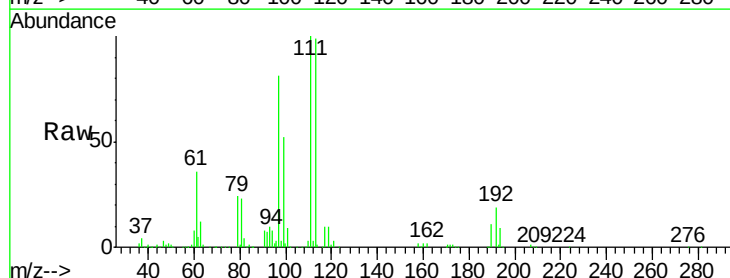
Tgt Ion: 97 Resp: 117842

Ion Ratio Lower Upper

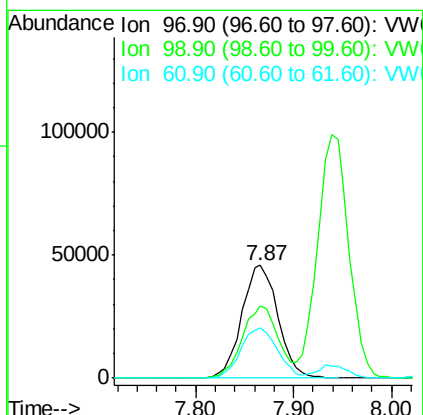
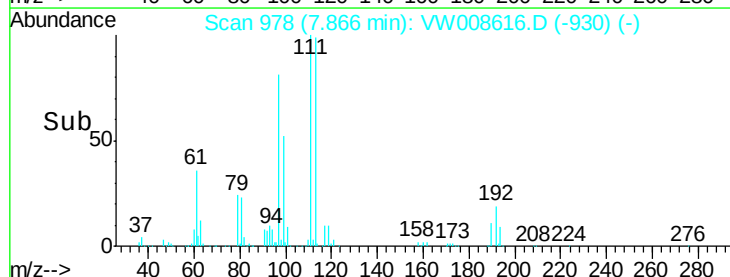
97 100

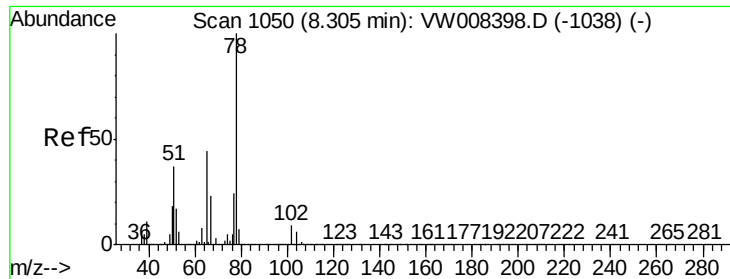
99 64.2 51.3 76.9

61 45.2 36.2 54.4



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

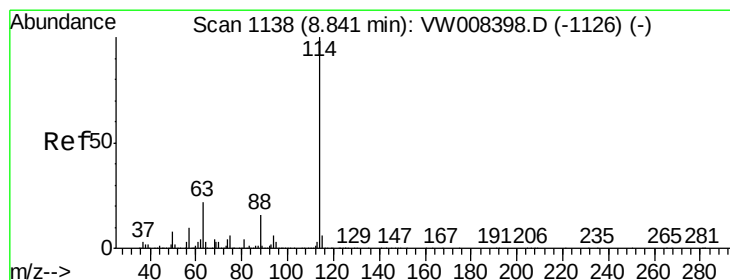
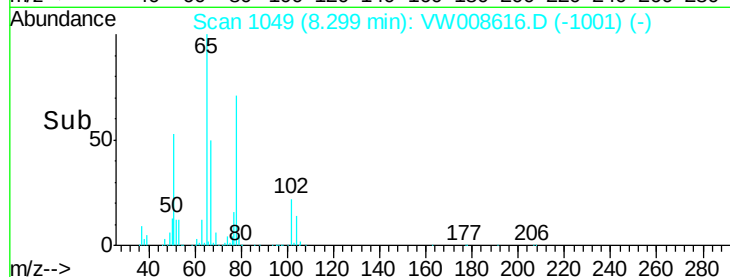
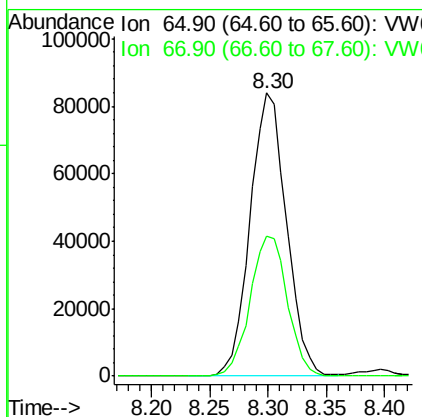
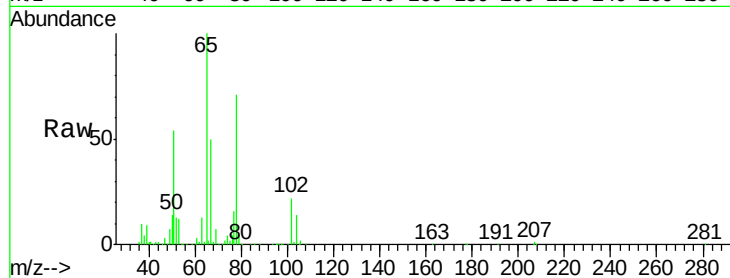




#33
 1,2-Dichloroethane-d4
 Concen: 46.246 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

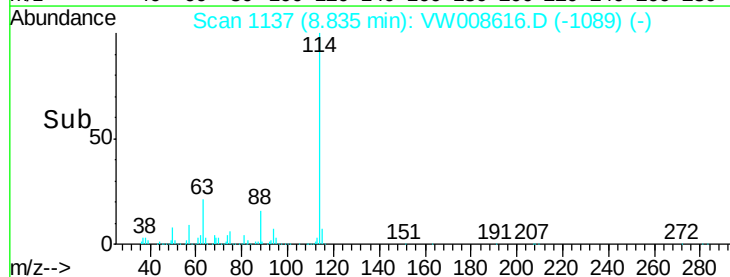
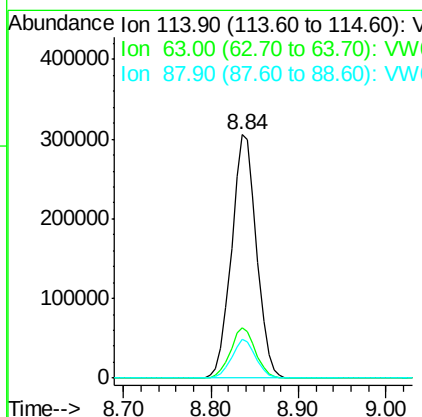
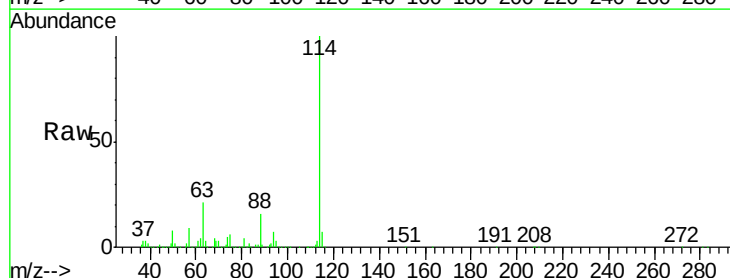
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

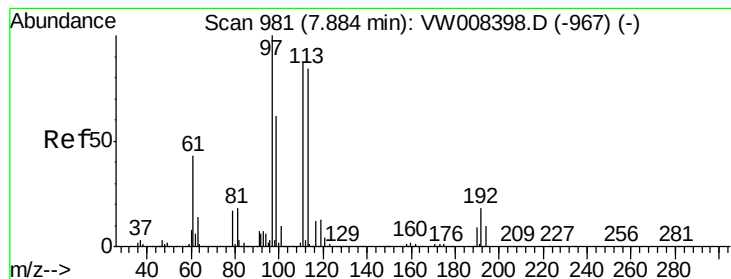
Tot Ion: 65 Resp: 182214
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion: 114 Resp: 605820
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.6
 88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.966 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

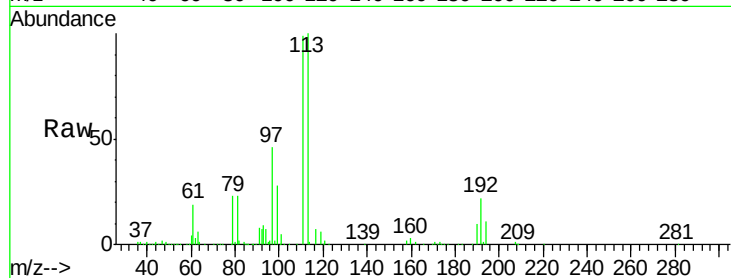
Tot Ion:113 Resp: 177000

Ion Ratio Lower Upper

113 100

111 100.8 81.0 121.4

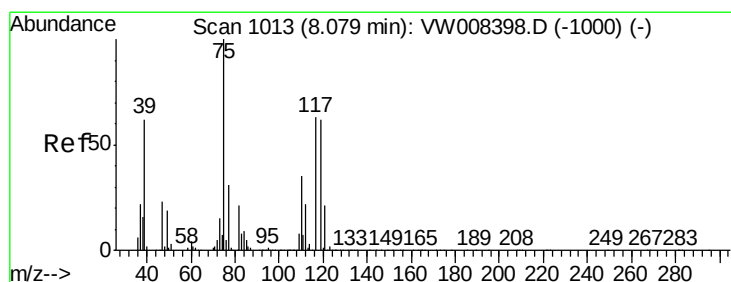
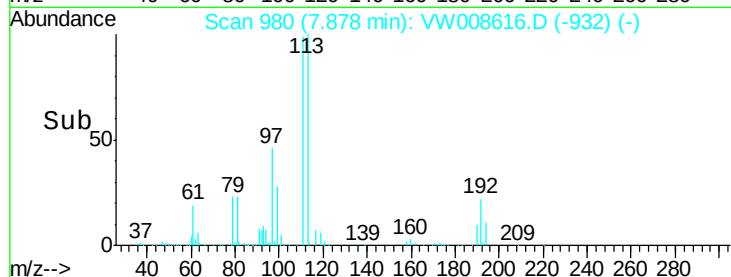
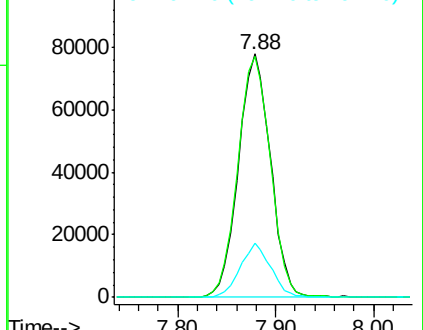
192 21.1 16.8 25.2



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: 19.178 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

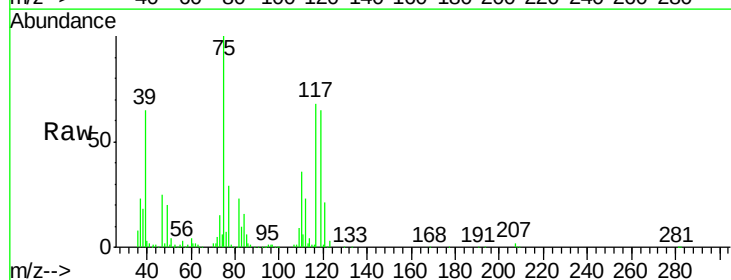
Tgt Ion: 75 Resp: 109751

Ion Ratio Lower Upper

75 100

110 36.3 17.3 52.0

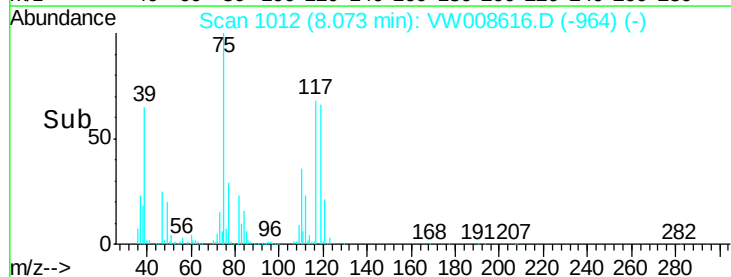
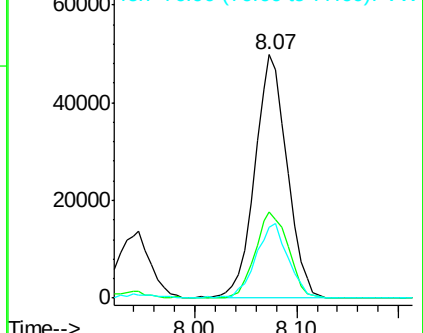
77 31.0 24.7 37.1

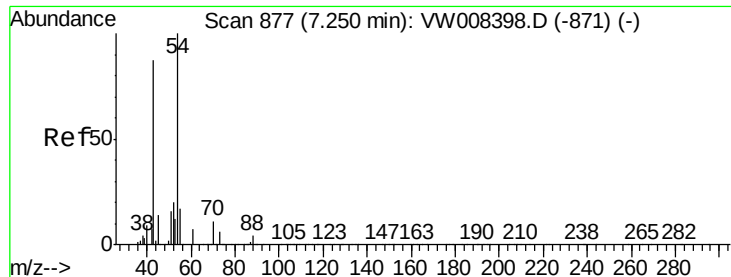


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

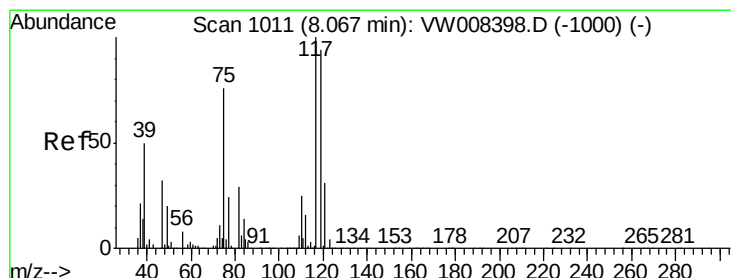
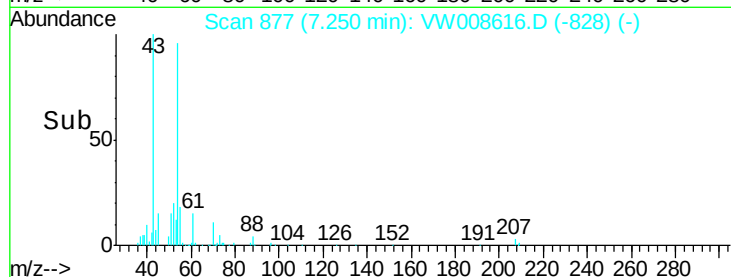
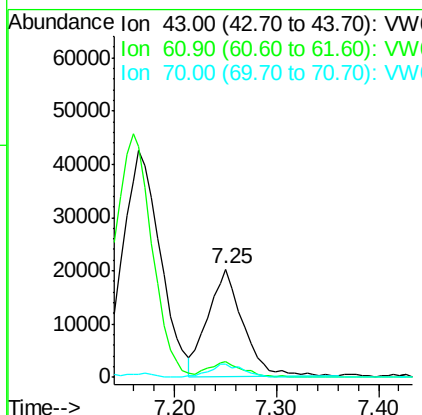
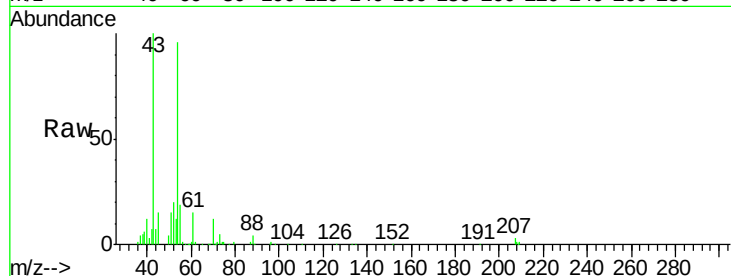




#37
Ethyl Acetate
Concen: 19.062 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

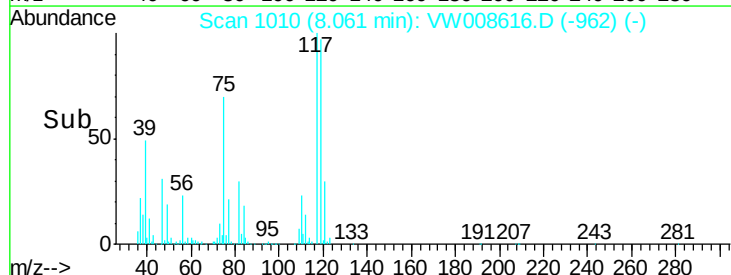
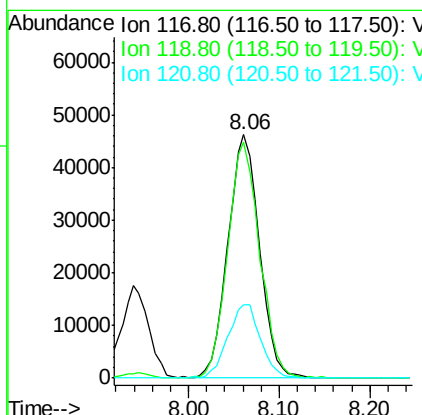
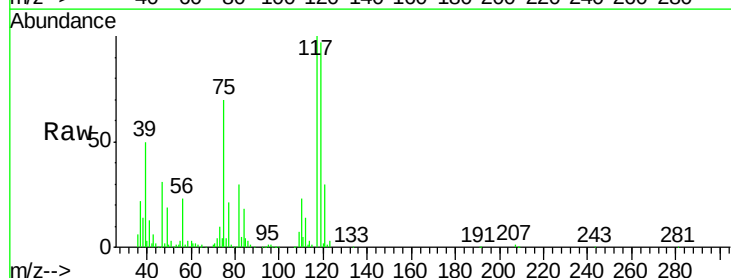
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

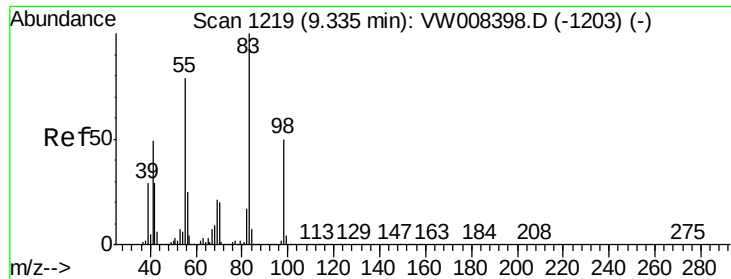
Tot Ion: 43 Resp: 48263
Ion Ratio Lower Upper
43 100
61 13.9 10.1 15.1
70 11.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.458 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion: 117 Resp: 112051
Ion Ratio Lower Upper
117 100
119 97.1 75.0 112.4
121 30.3 24.9 37.3

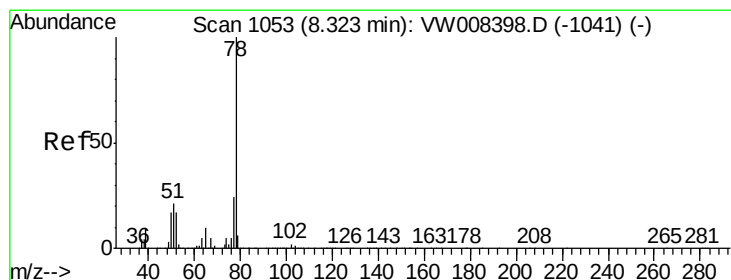
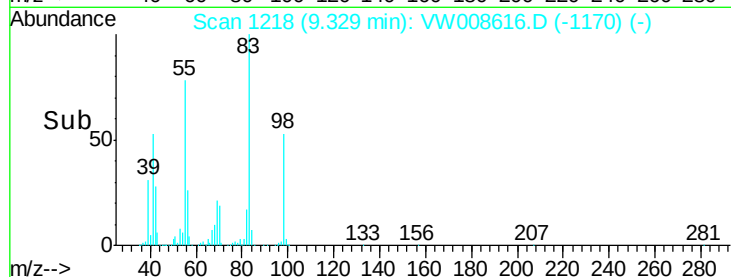
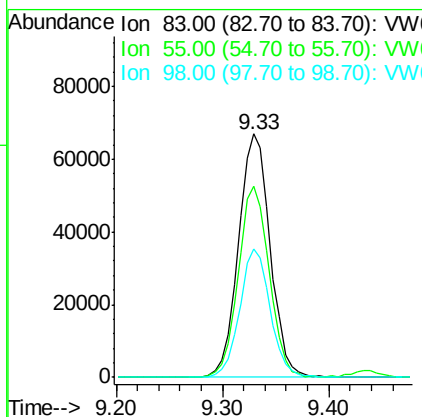
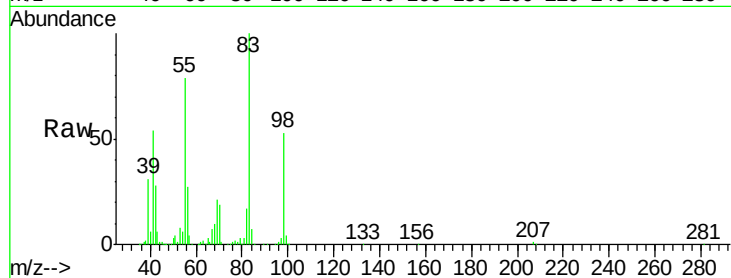




#39
Methylvlcyclohexane
Concen: 18.589 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

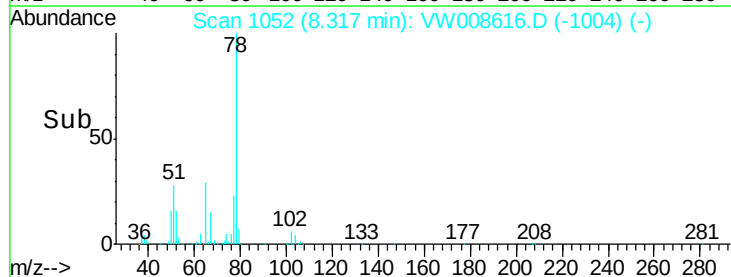
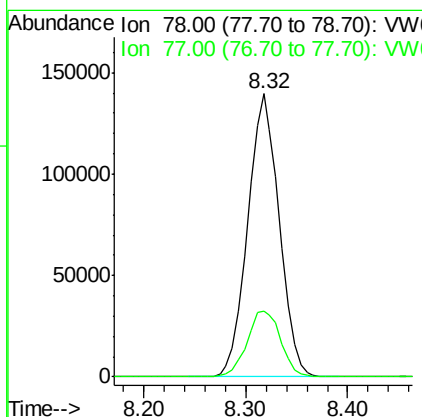
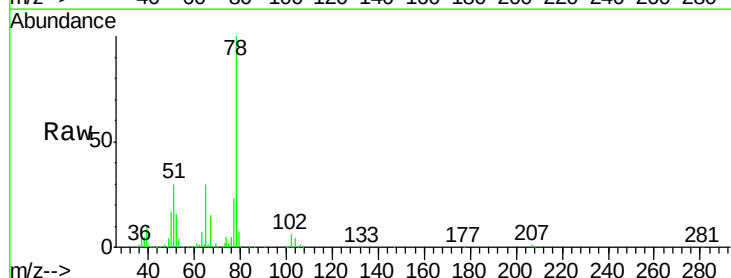
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

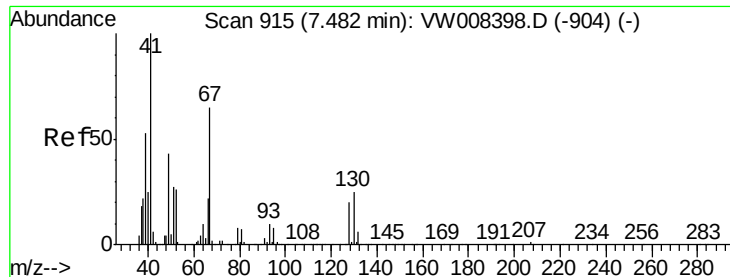
Tot Ion	83.00	Resp	139746
Ion Ratio	Lower	Upper	
83	100		
55	78.5	63.3	94.9
98	52.8	39.7	59.5



#40
Benzene
Concen: 18.868 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion	78.00	Resp	299616
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.0	28.6

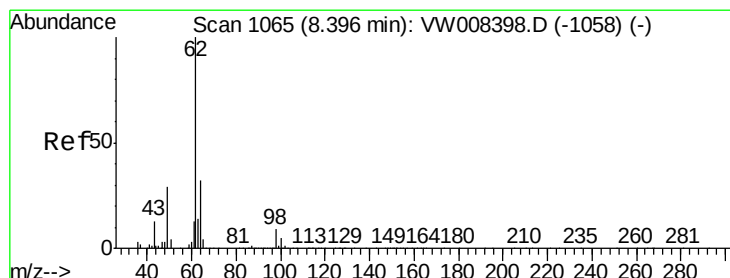
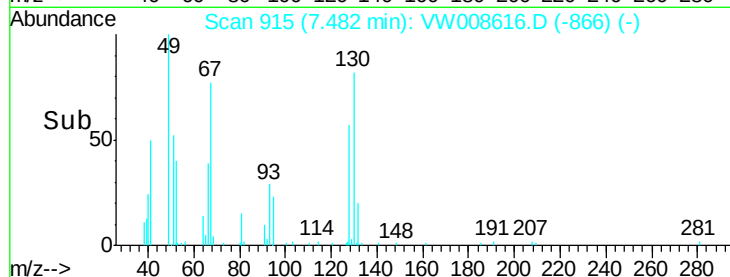
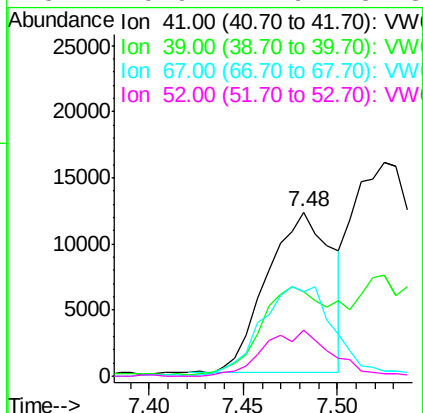
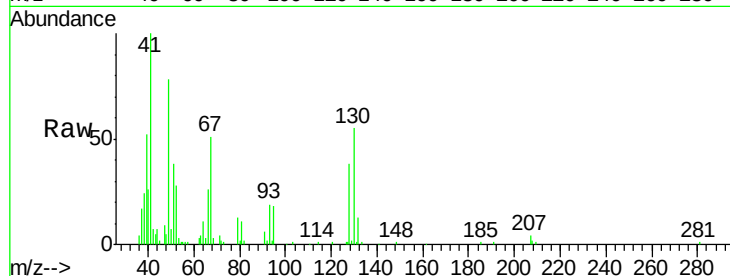




#41
Methacrylonitrile
Concen: 19.331 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

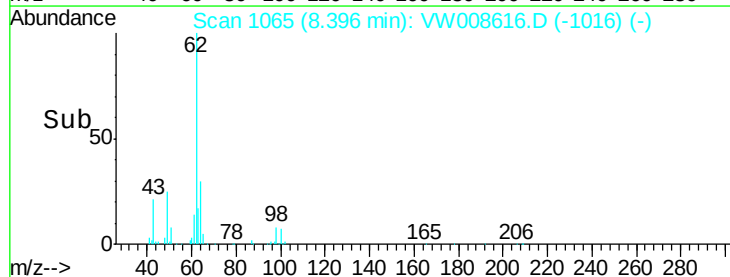
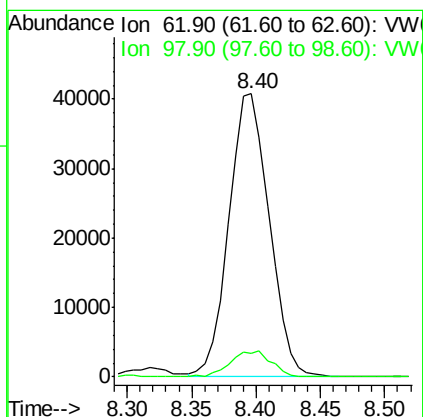
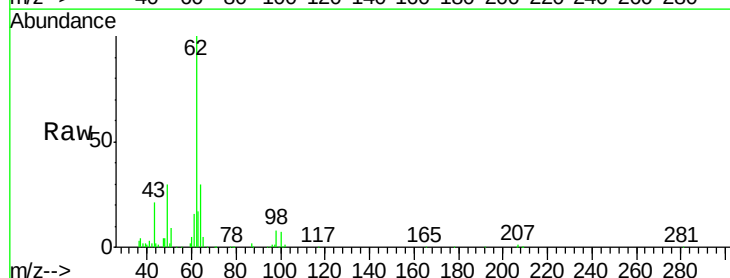
Instrument :
MSVOA_W
ClientSampled :
VW0212SBS01

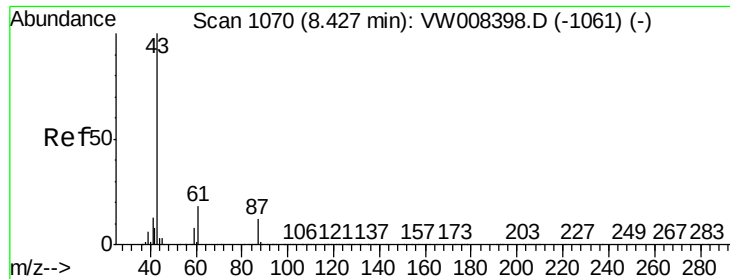
Tot Ion:	41	Resp:	28980
Ion	Ratio	Lower	Upper
41	100		
39	52.5	43.4	65.0
67	64.0	54.2	81.2
52	29.9	22.9	34.3



#42
1,2-Dichloroethane
Concen: 19.331 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion:	62	Resp:	88957
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 18.479 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

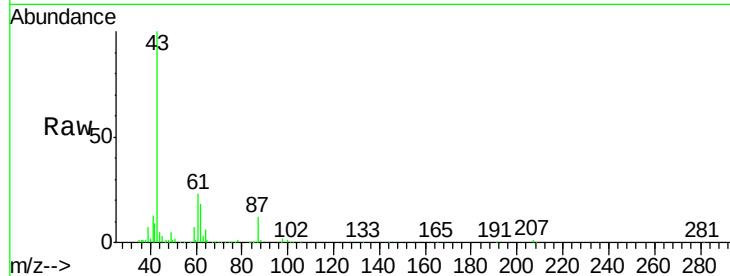
Tot Ion: 43 Resp: 97199

Ion Ratio Lower Upper

43 100

61 28.8 22.0 33.0

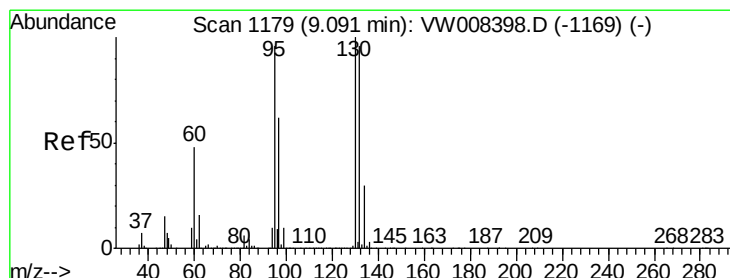
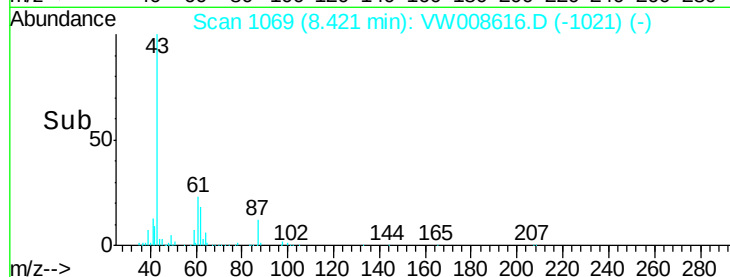
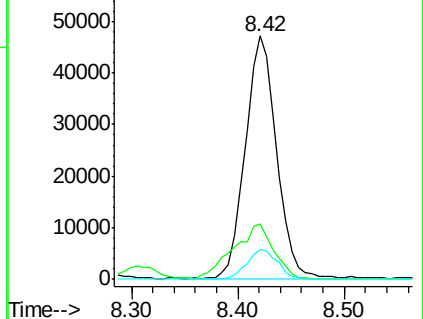
87 12.3 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.320 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008616.D

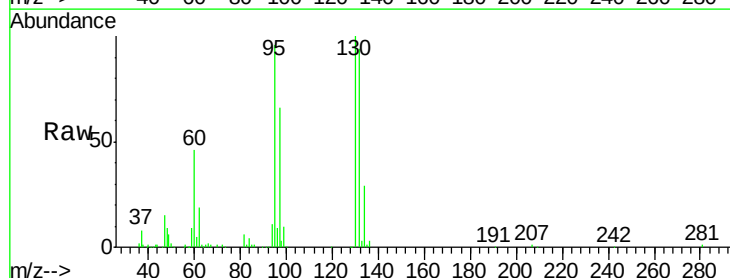
Acq: 12 Feb 2019 12:19

Tgt Ion: 130 Resp: 83429

Ion Ratio Lower Upper

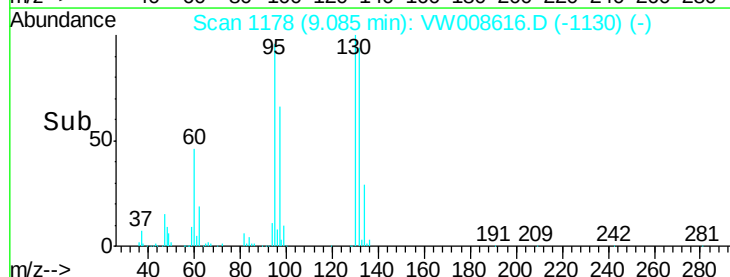
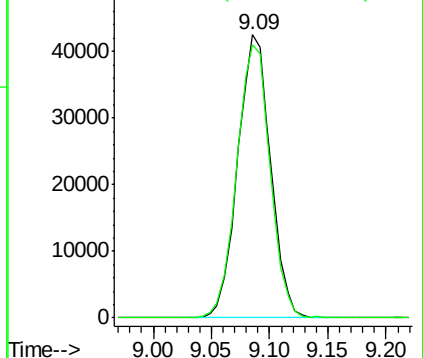
130 100

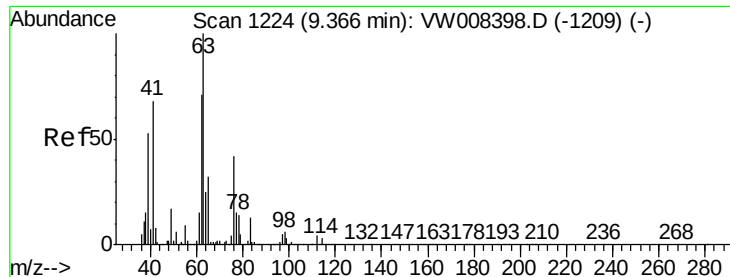
95 96.4 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 18.610 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

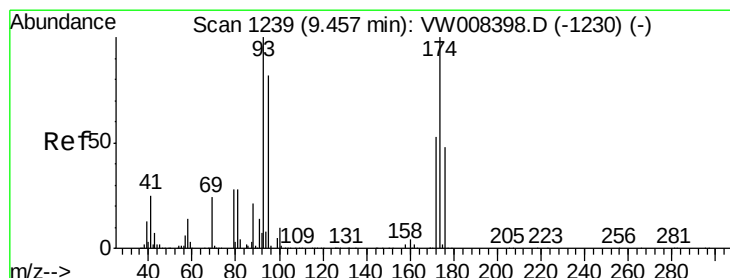
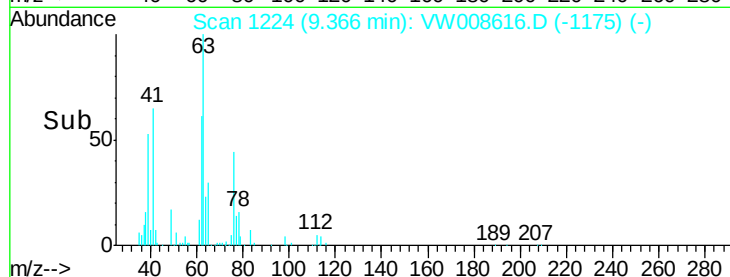
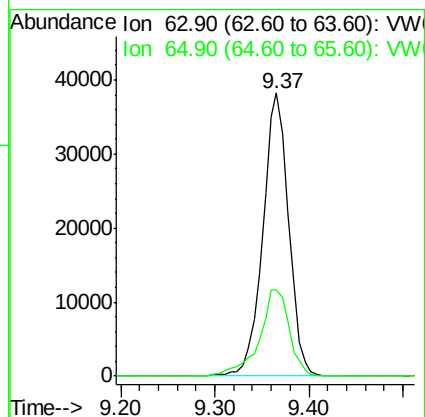
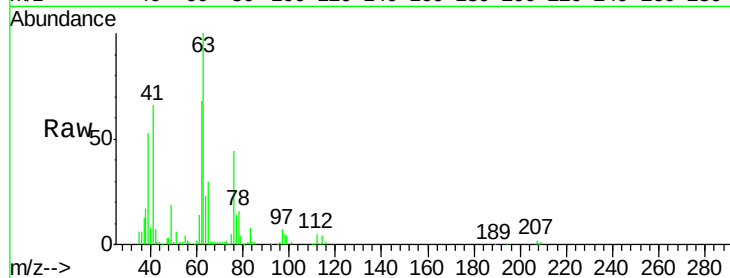
VW0212SBS01

Tot Ion: 63 Resp: 73686

Ion Ratio Lower Upper

63 100

65 30.1 25.2 37.8



#46

Dibromomethane

Concen: 19.250 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

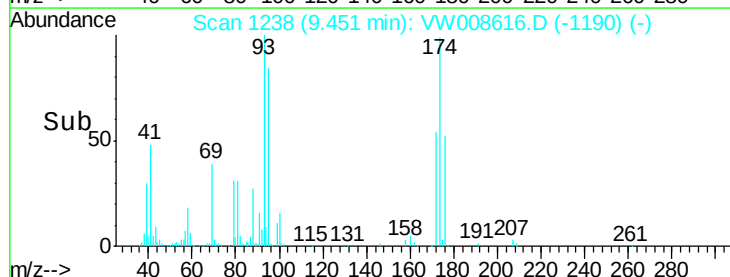
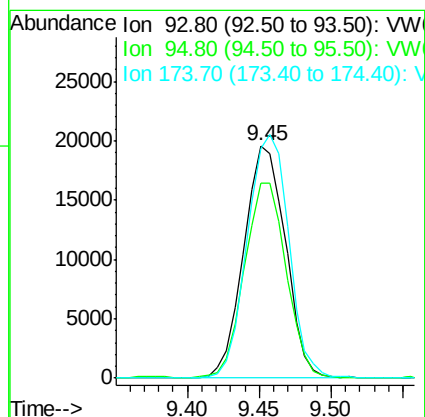
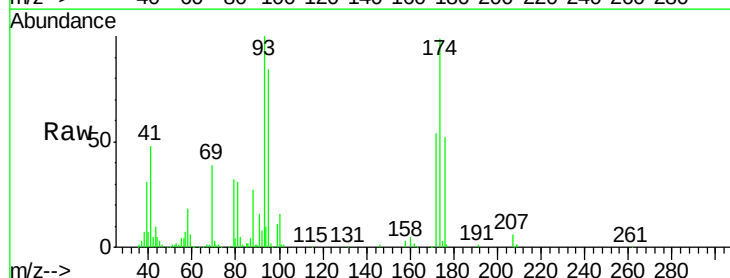
Tgt Ion: 93 Resp: 39202

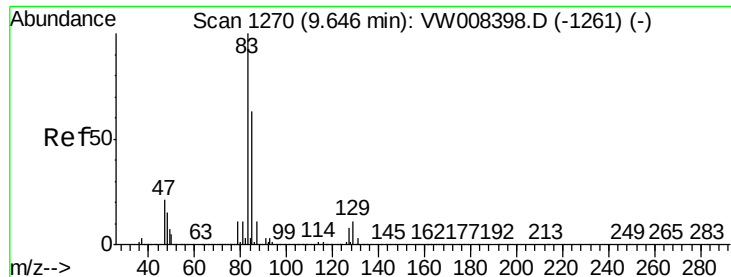
Ion Ratio Lower Upper

93 100

95 84.4 65.9 98.9

174 104.2 81.0 121.6





#47

Bromodichloromethane

Concen: 18.807 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

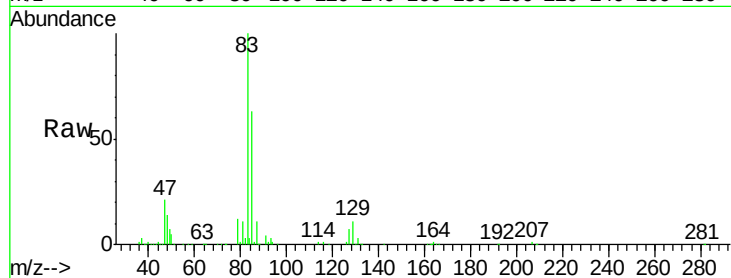
Tot Ion: 83 Resp: 101304

Ion Ratio Lower Upper

83 100

85 62.5 50.8 76.2

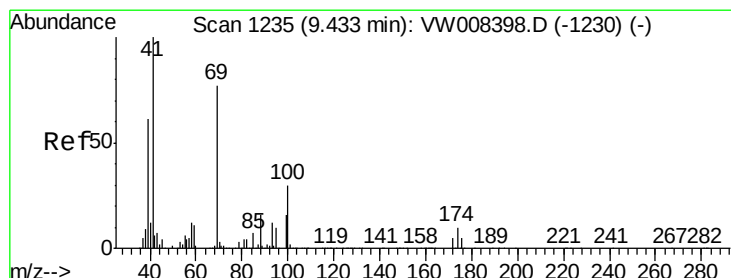
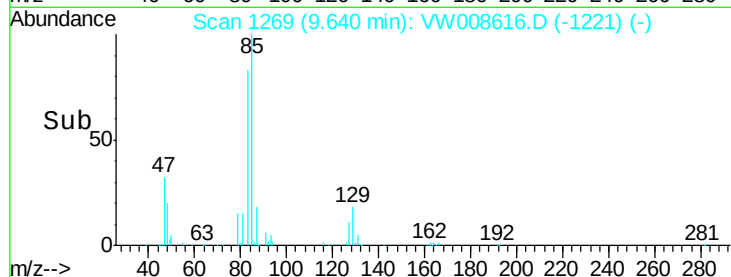
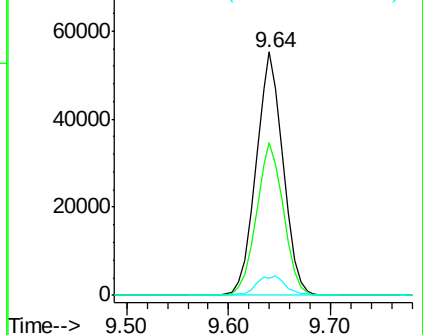
127 7.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.700 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

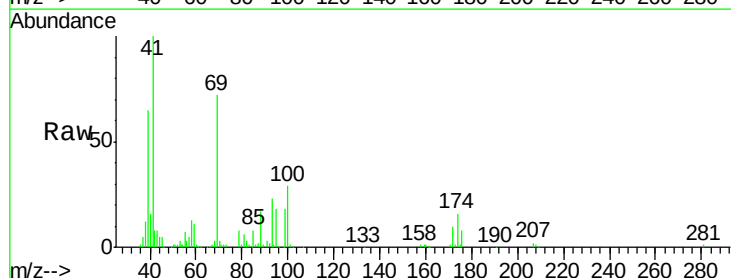
Tgt Ion: 41 Resp: 45524

Ion Ratio Lower Upper

41 100

69 80.2 64.8 97.2

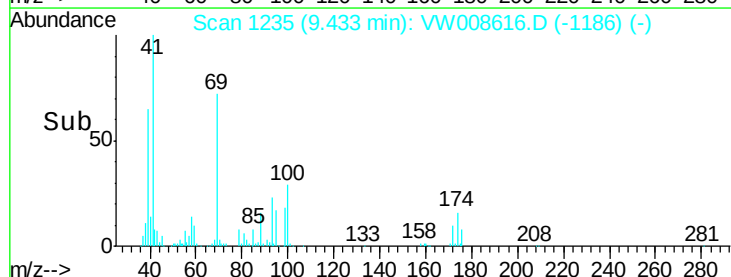
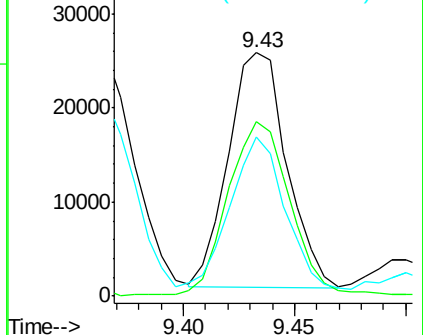
39 66.4 49.1 73.7

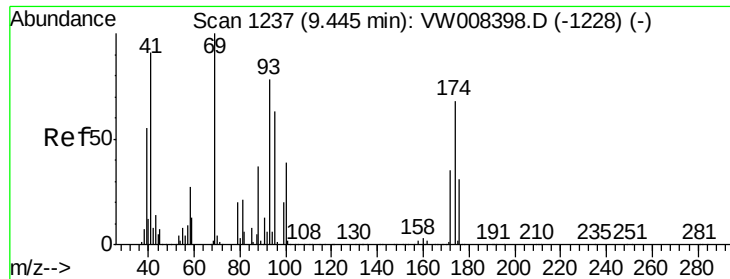


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 382.163 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

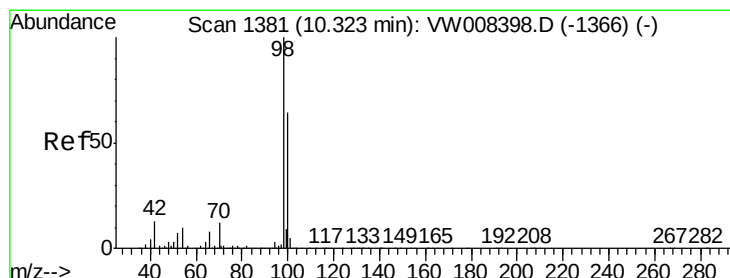
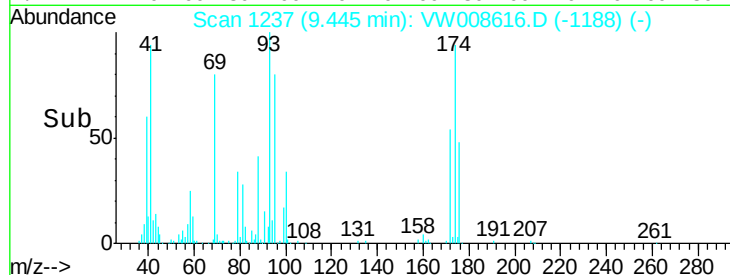
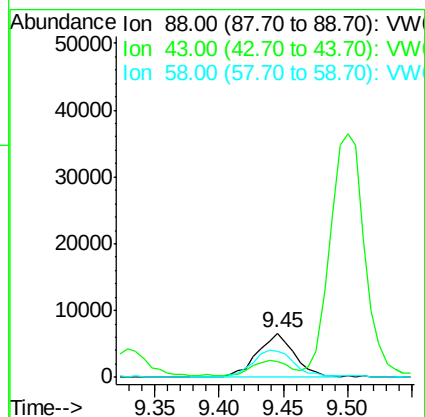
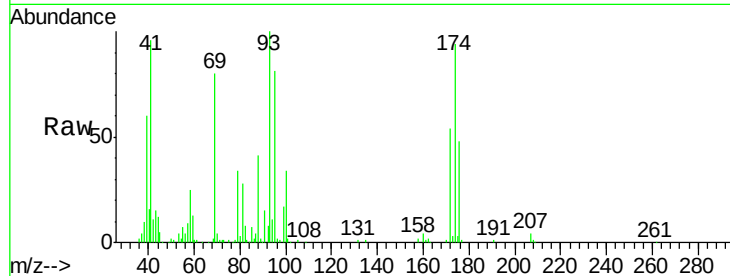
Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

Tot Ion: 88 Resp: 13155

Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.0	43.4
58	69.6	56.4	84.6



#50

Toluene-d8

Concen: 46.993 ug/l

RT: 10.32 min Scan# 1381

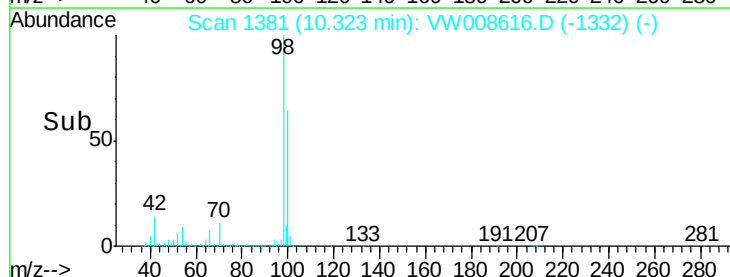
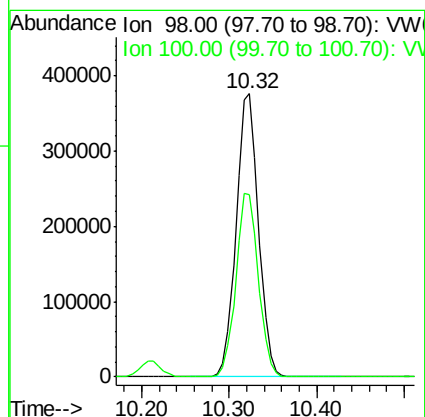
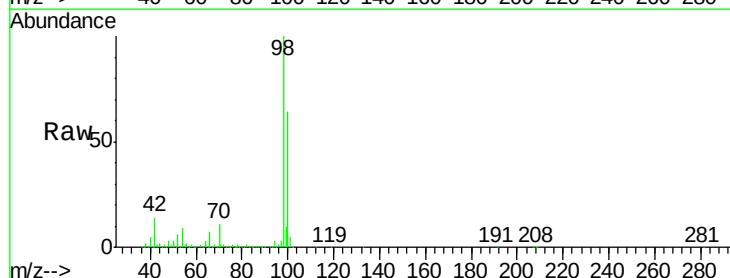
Delta R.T. 0.00 min

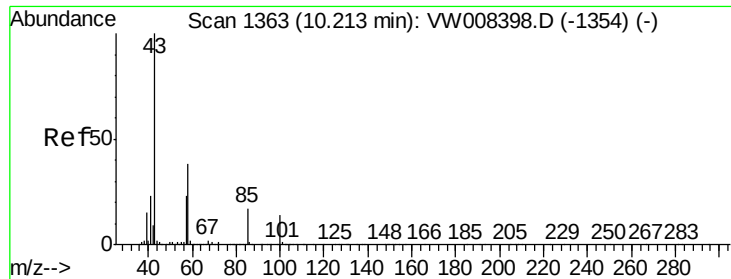
Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Tgt Ion: 98 Resp: 667545

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 92.932 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

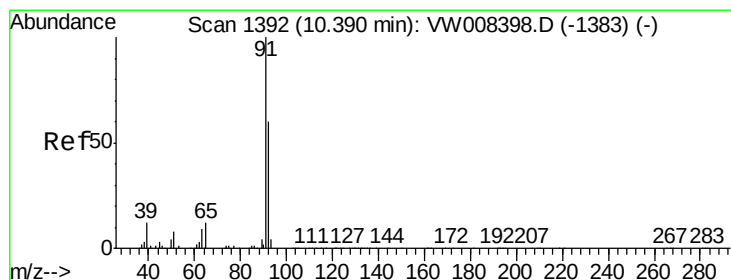
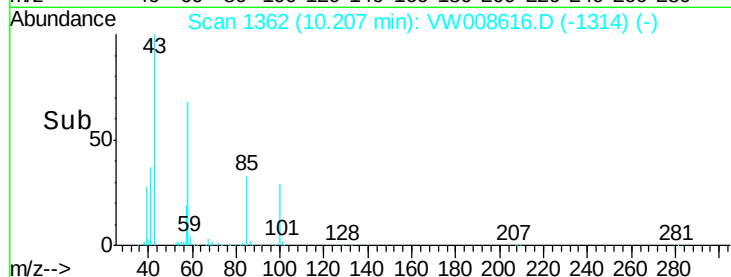
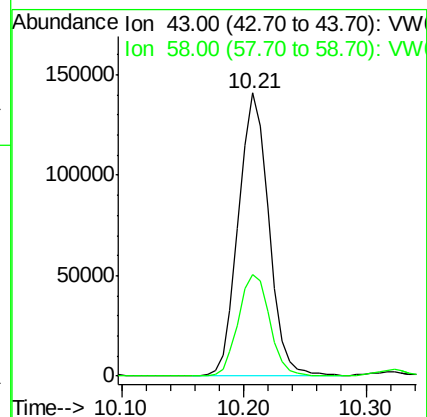
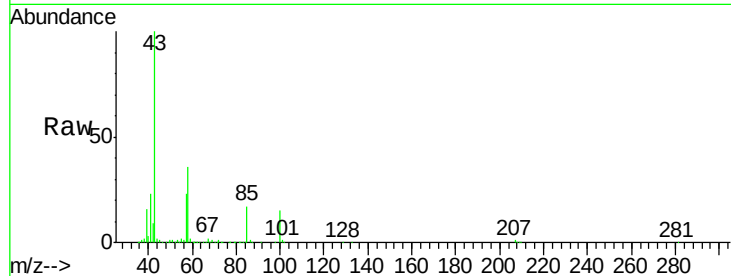
VW0212SBS01

Tot Ion: 43 Resp: 241494

Ion Ratio Lower Upper

43 100

58 37.4 29.7 44.5



#52

Toluene

Concen: 18.626 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008616.D

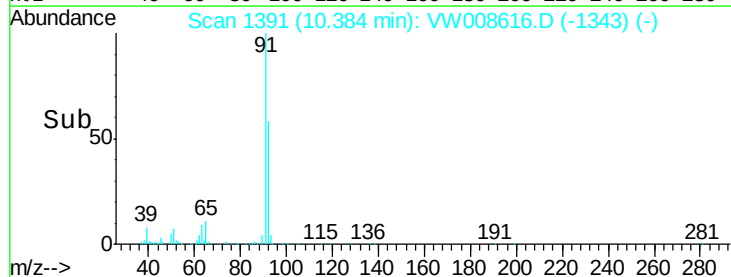
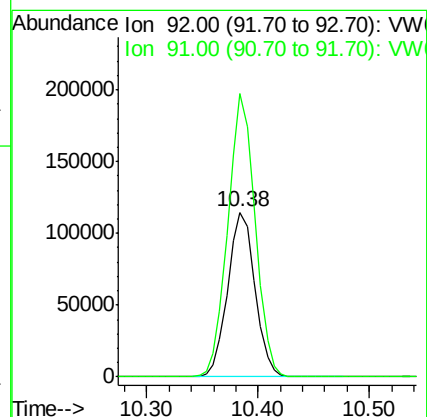
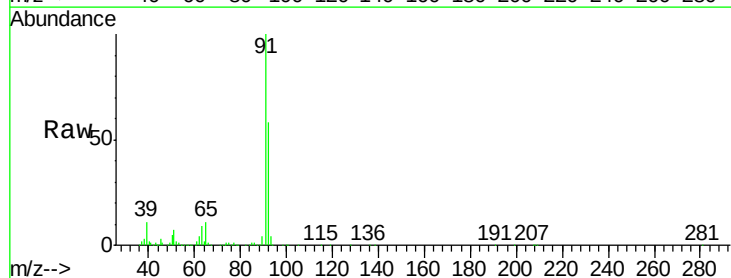
Acq: 12 Feb 2019 12:19

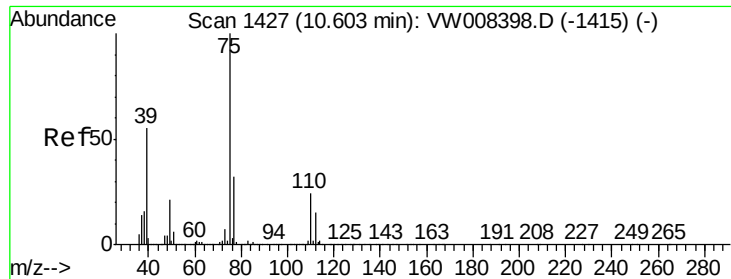
Tgt Ion: 92 Resp: 195244

Ion Ratio Lower Upper

92 100

91 170.9 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 17.727 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

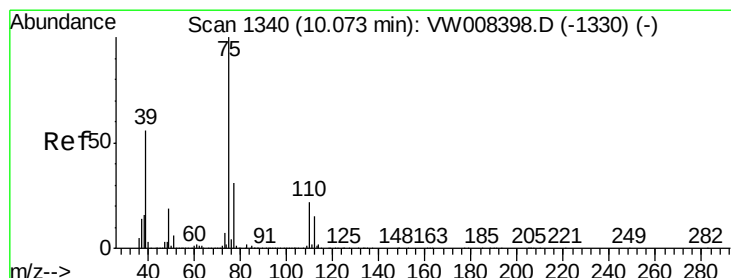
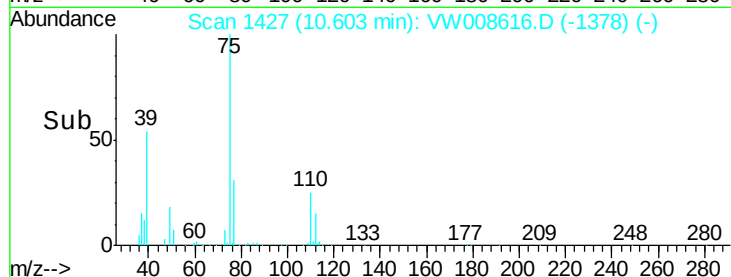
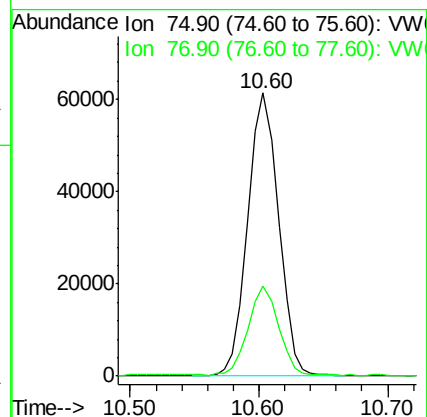
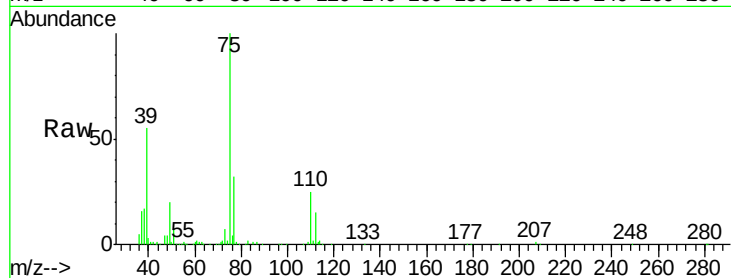
VW0212SBS01

Tot Ion: 75 Resp: 101607

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 17.746 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

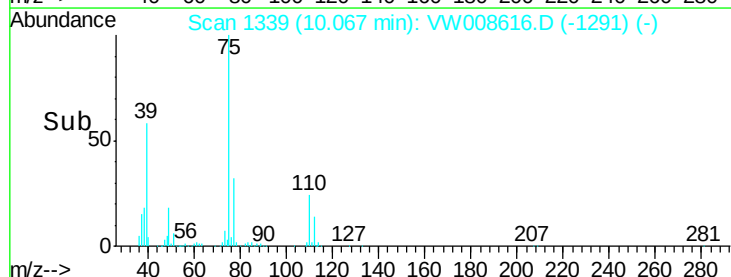
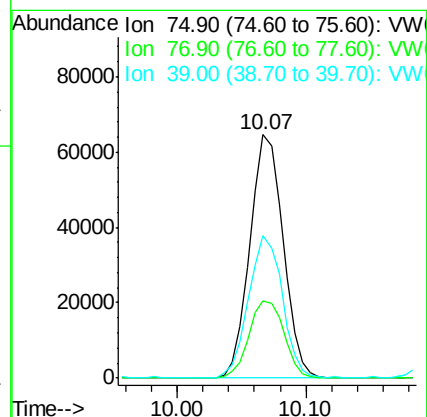
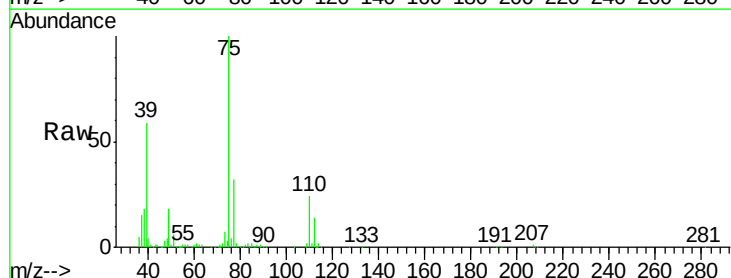
Tgt Ion: 75 Resp: 115430

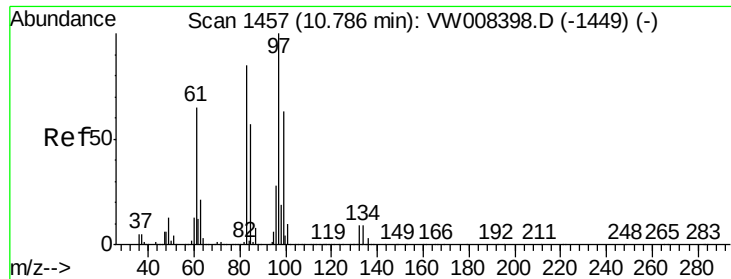
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

39 58.4 44.9 67.3

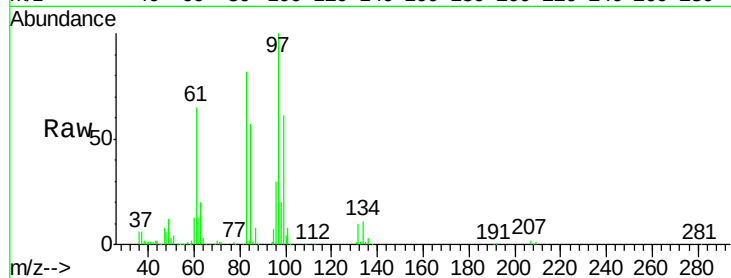




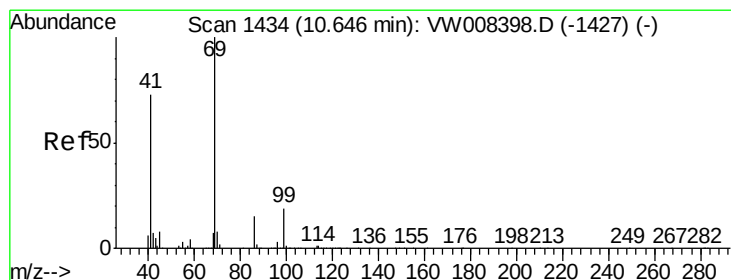
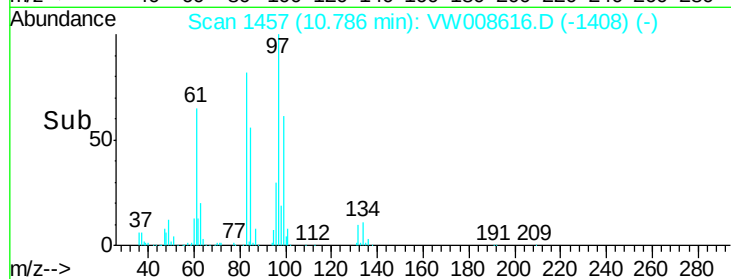
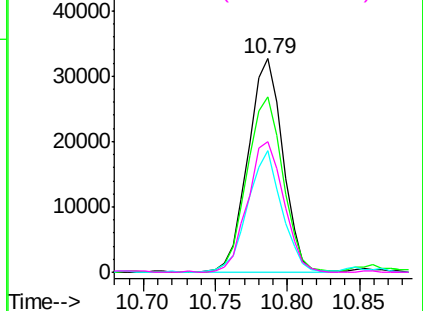
#55
 1,1,2-Trichloroethane
 Concen: 19.307 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

Tot Ion:	97	Resp:	54536
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.4	102.6
85	56.8	45.3	67.9
99	61.1	50.6	76.0

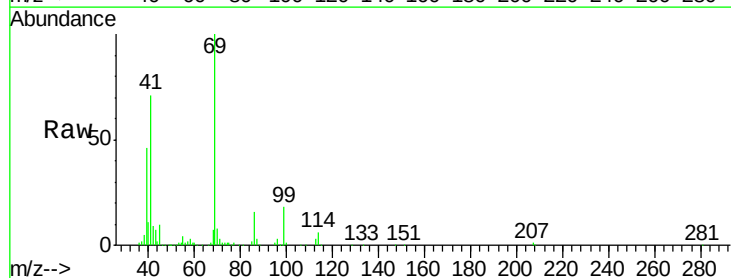


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

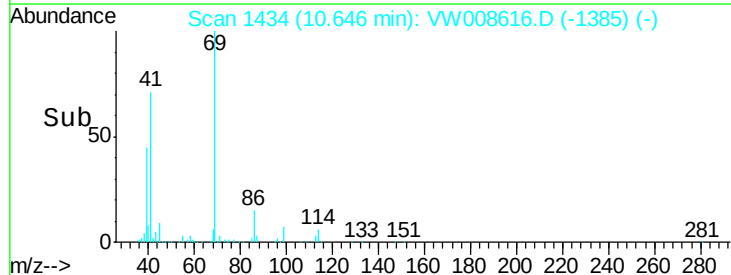
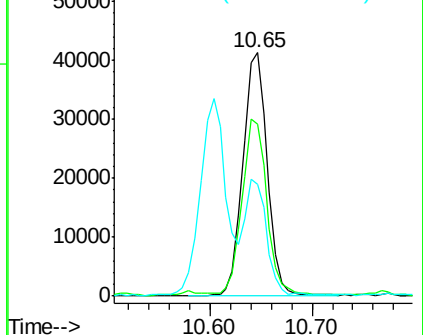


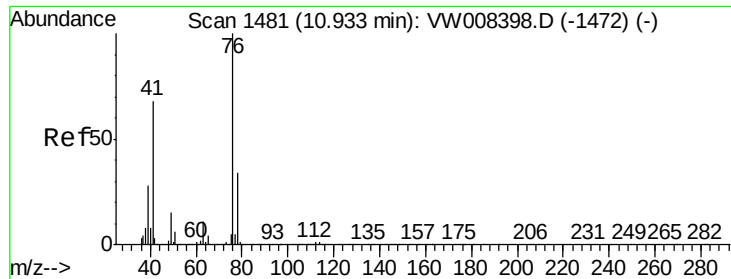
#56
 Ethyl methacrylate
 Concen: 17.387 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion:	69	Resp:	68817
Ion	Ratio	Lower	Upper
69	100		
41	73.7	58.7	88.1
39	40.2	32.6	48.8



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

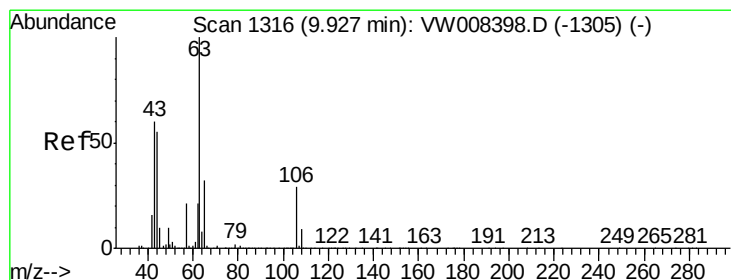
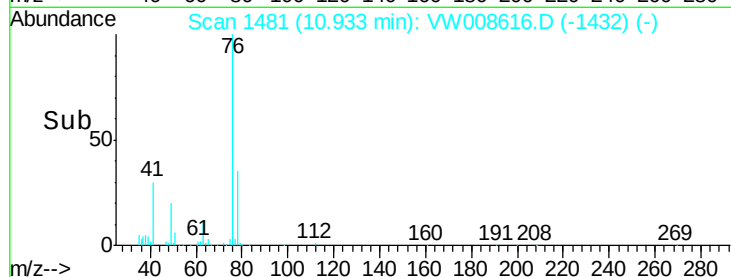
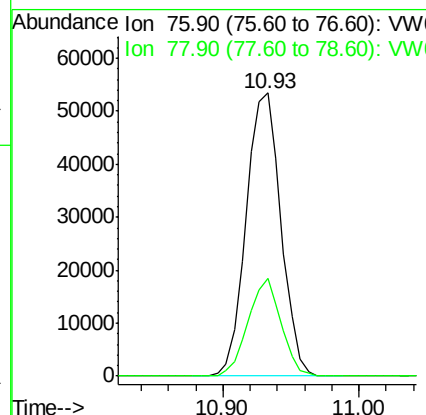
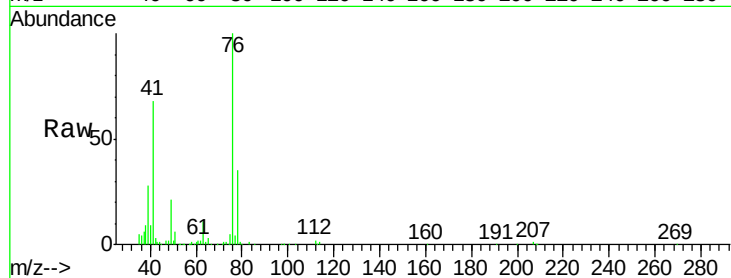




#57
 1,3-Dichloropropane
 Concen: 18.868 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

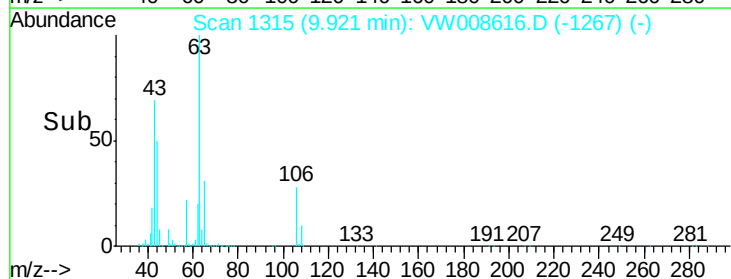
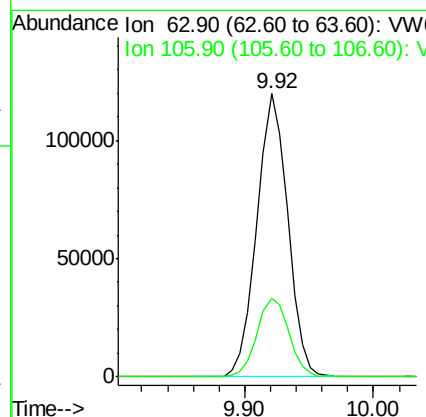
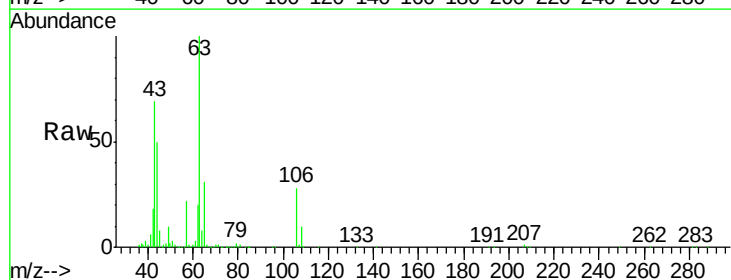
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

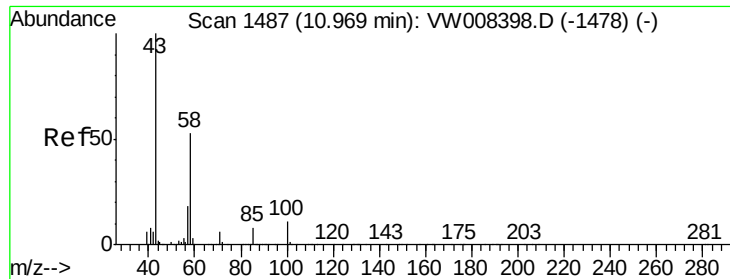
Tot Ion: 76 Resp: 95483
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.965 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion: 63 Resp: 198009
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.4 33.6





#59

2-Hexanone

Concen: 94.624 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

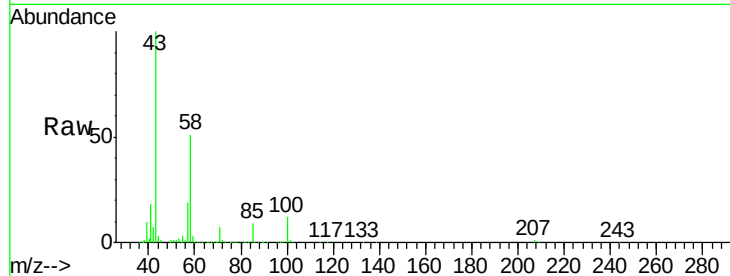
VW0212SBS01

Tot Ion: 43 Resp: 173588

Ion Ratio Lower Upper

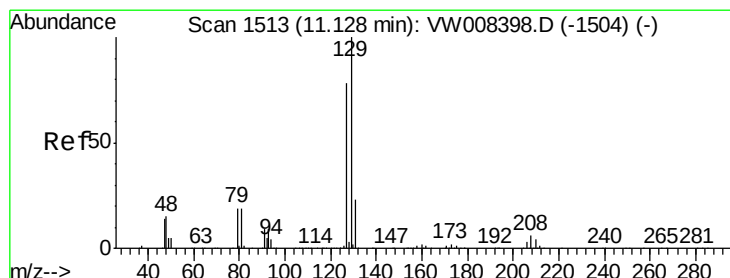
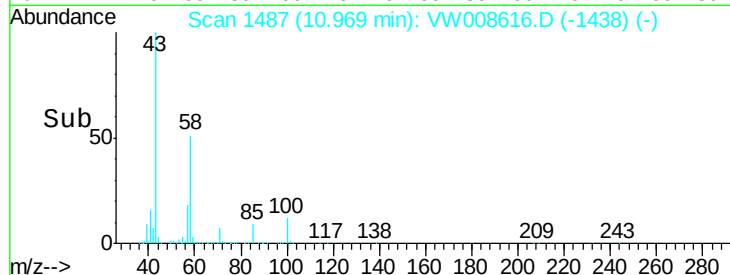
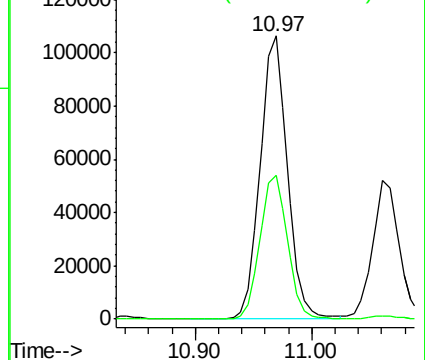
43 100

58 51.7 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 18.419 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008616.D

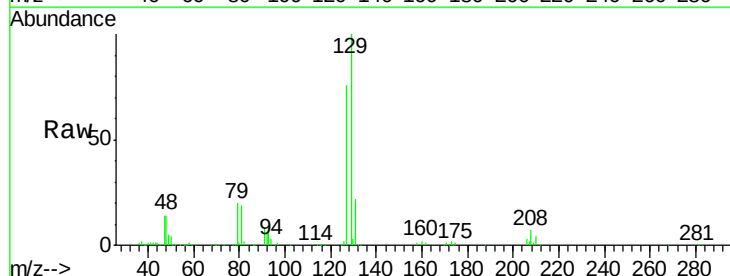
Acq: 12 Feb 2019 12:19

Tgt Ion: 129 Resp: 66859

Ion Ratio Lower Upper

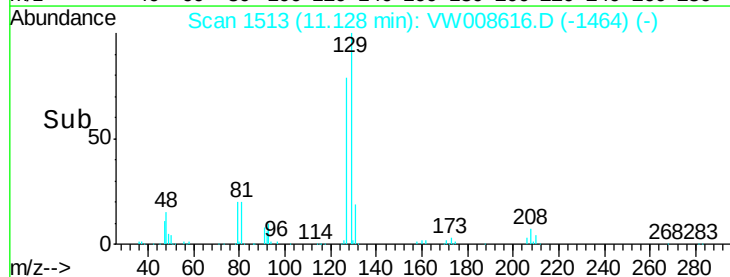
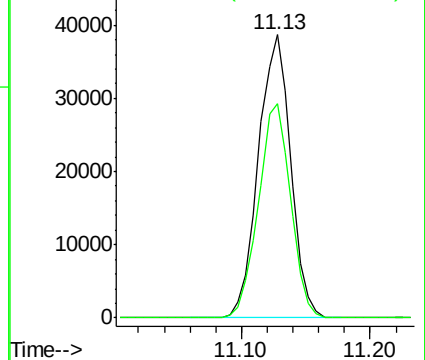
129 100

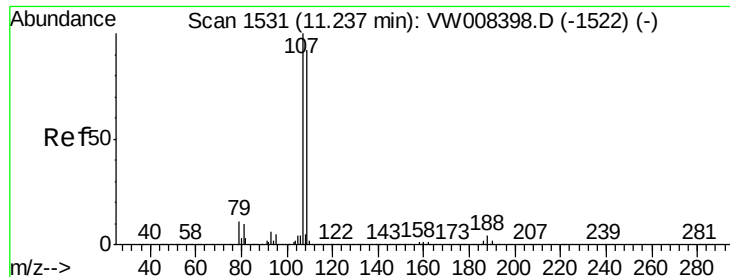
127 75.7 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

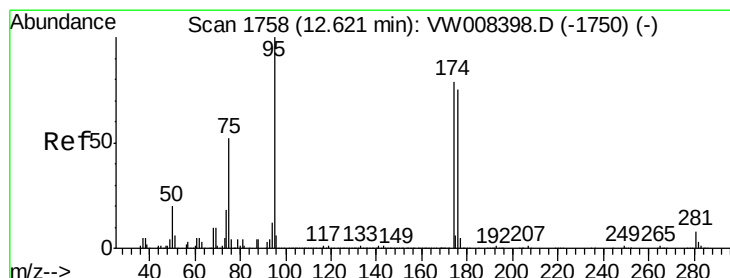
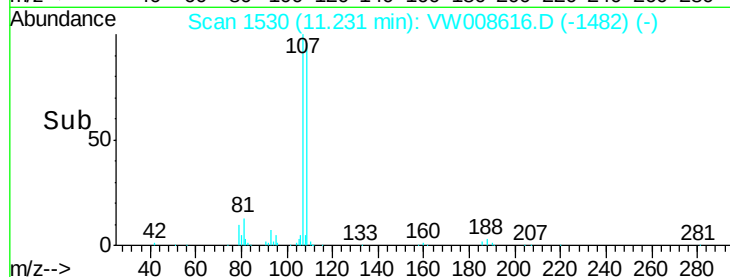
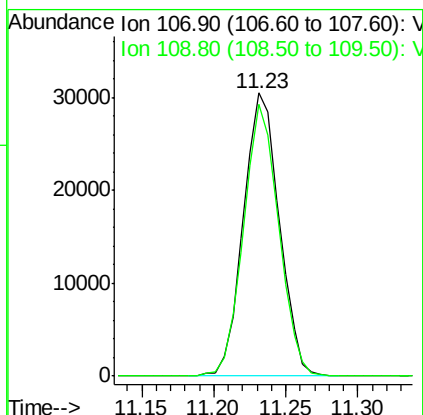
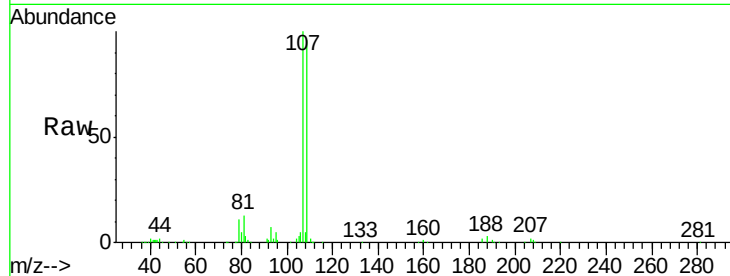




#61
 1,2-Dibromoethane
 Concen: 18.749 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

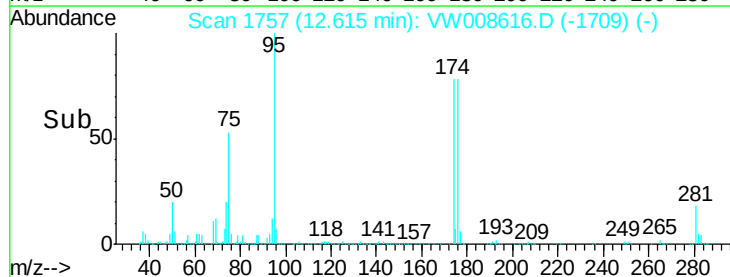
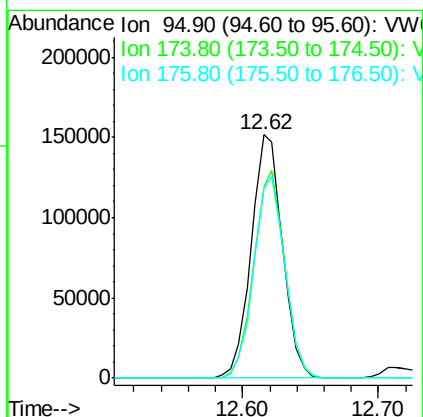
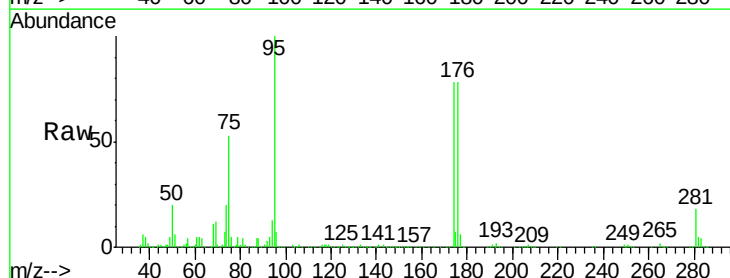
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

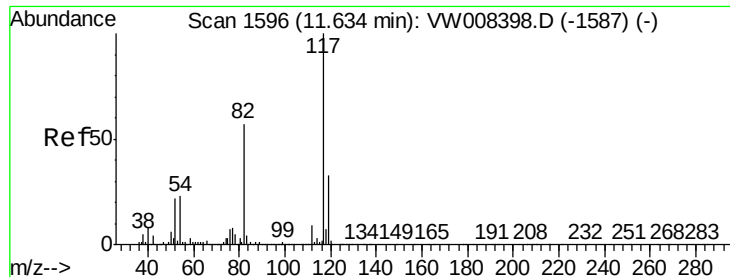
Tot Ion: 107 Resp: 52512
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 44.835 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion: 95 Resp: 244811
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 157.6
 176 82.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

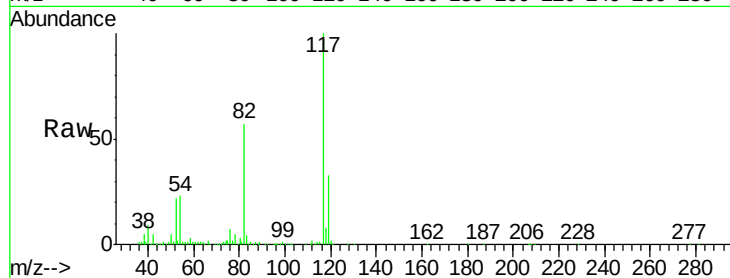
Tot Ion:117 Resp: 532565

Ion Ratio Lower Upper

117 100

82 56.7 45.4 68.0

119 32.9 26.2 39.4

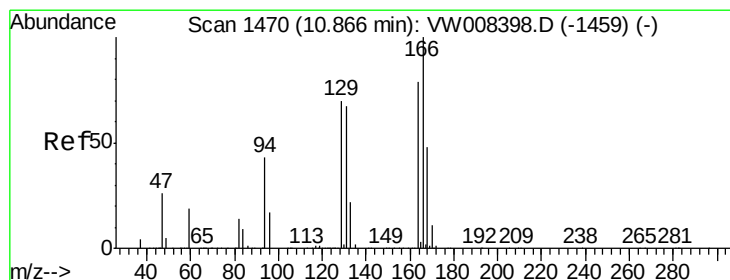
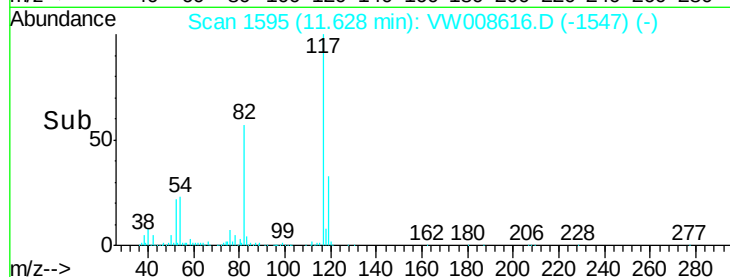
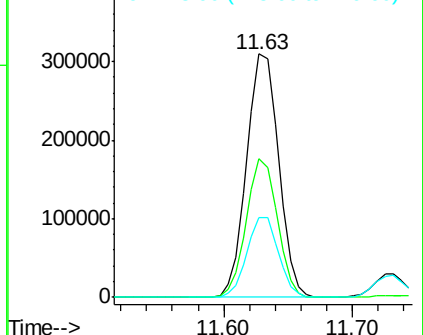


Abundance

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: 20.101 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Tgt Ion:164 Resp: 72482

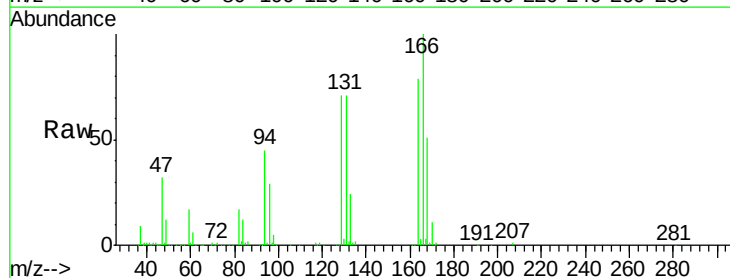
Ion Ratio Lower Upper

164 100

166 126.5 101.4 152.0

129 89.9 71.0 106.6

131 89.7 68.3 102.5



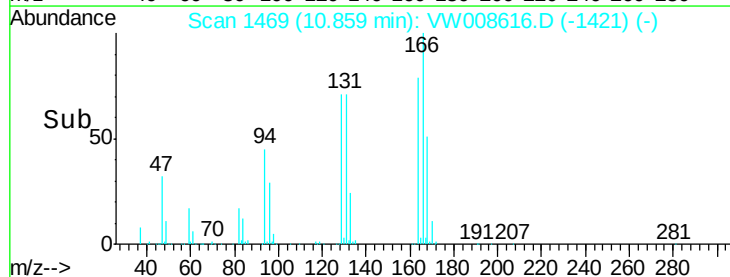
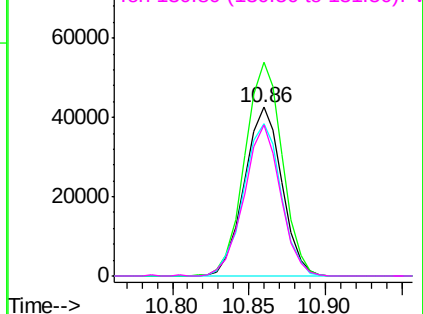
Abundance

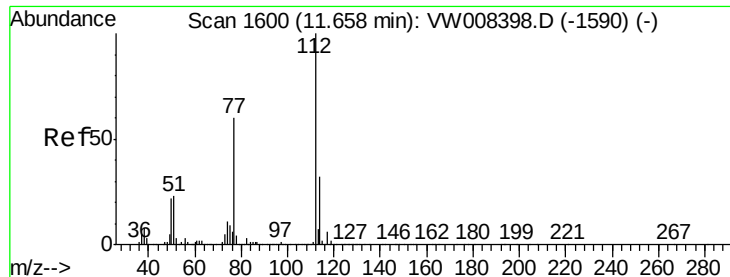
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.836 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

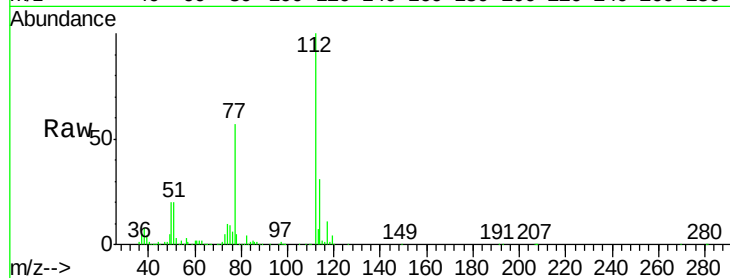
VW0212SBS01

Tot Ion:112 Resp: 215643

Ion Ratio Lower Upper

112 100

114 31.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

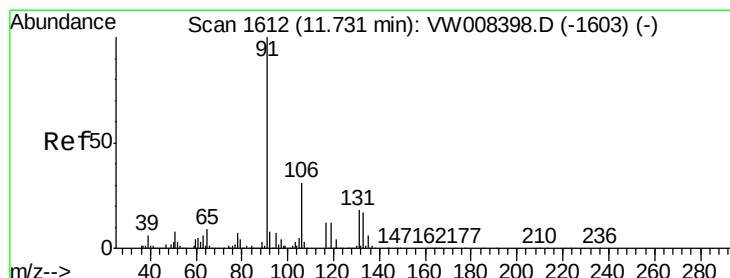
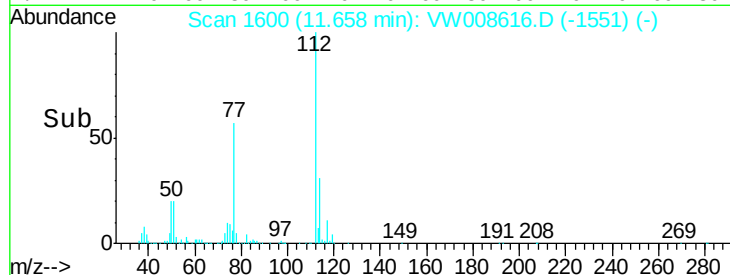
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.767 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

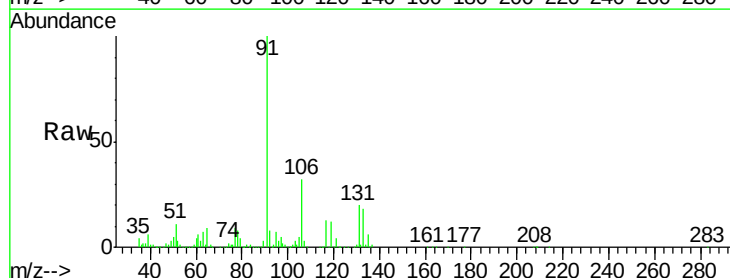
Tgt Ion:131 Resp: 76886

Ion Ratio Lower Upper

131 100

133 92.0 47.0 141.2

119 62.5 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

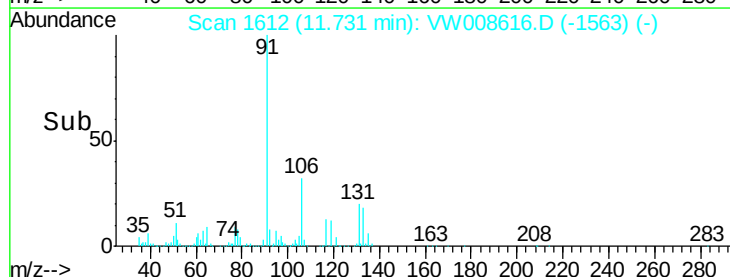
Ion 118.80 (118.50 to 119.50): V

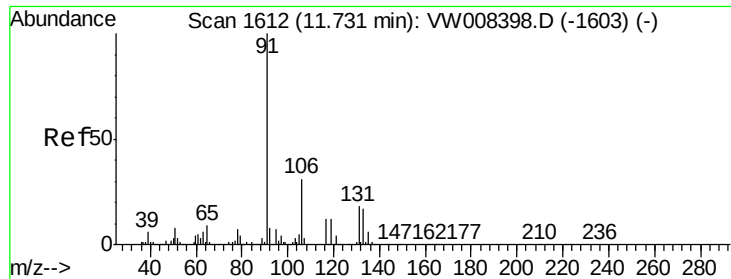
100000

50000

0

Time-->

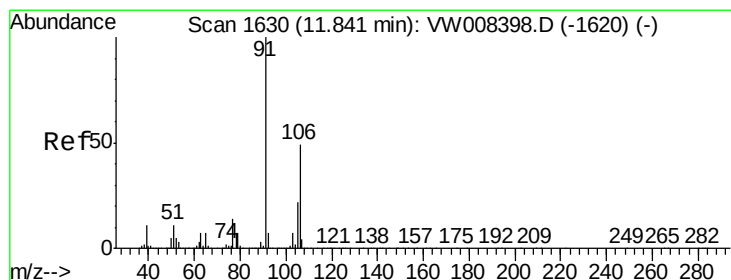
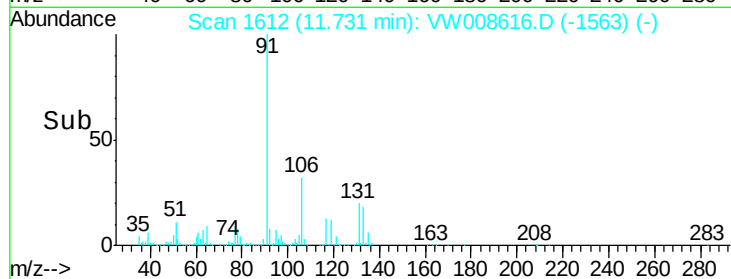
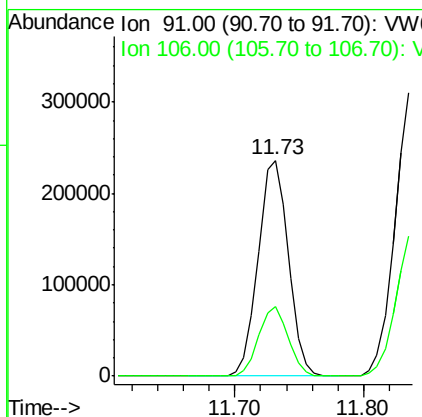
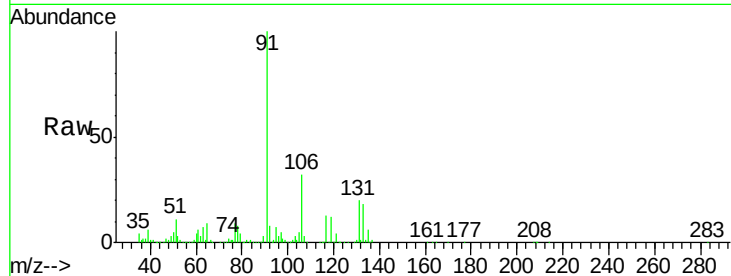




#67
Ethyl Benzene
Concen: 19.145 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

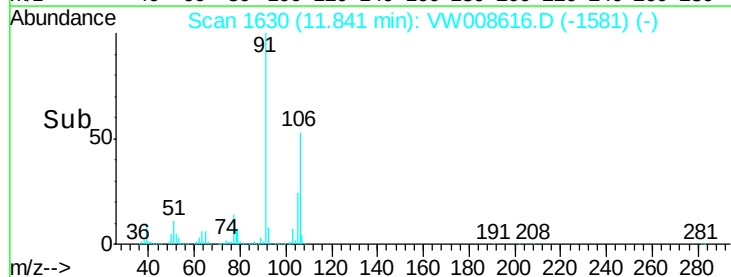
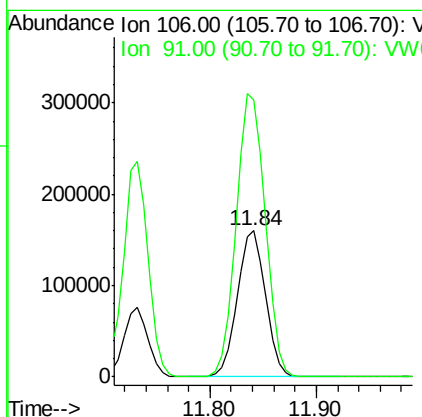
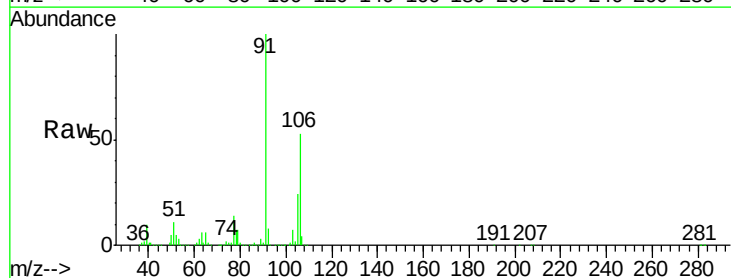
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

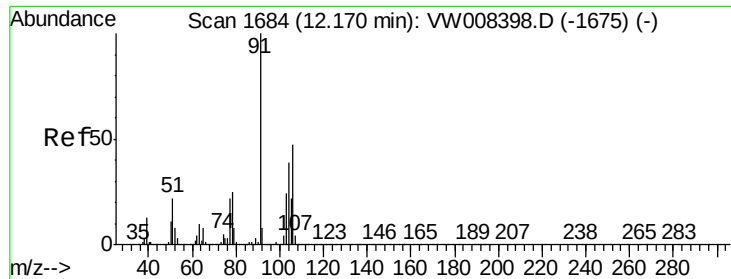
Tot Ion: 91 Resp: 382596
Ion Ratio Lower Upper
91 100
106 32.1 24.7 37.1



#68
m/p-Xylenes
Concen: 38.374 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion: 106 Resp: 297536
Ion Ratio Lower Upper
106 100
91 199.4 162.9 244.3

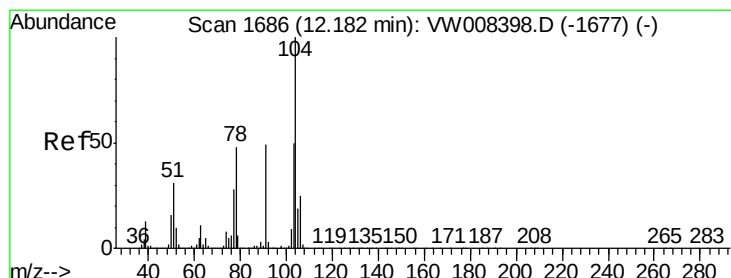
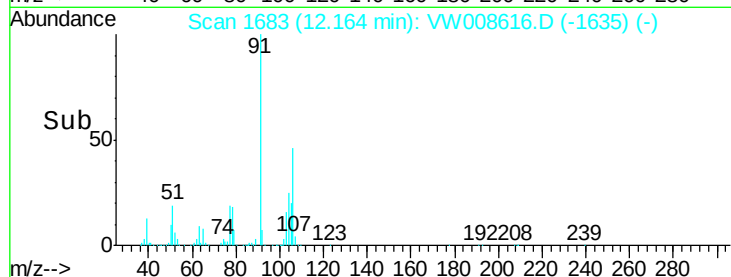
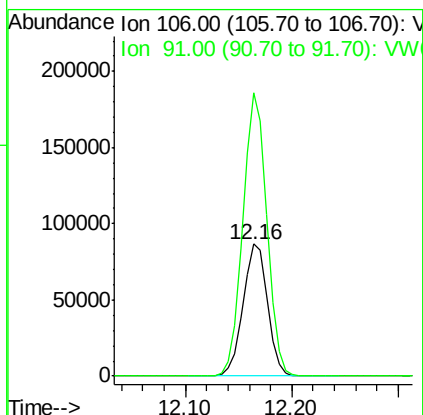
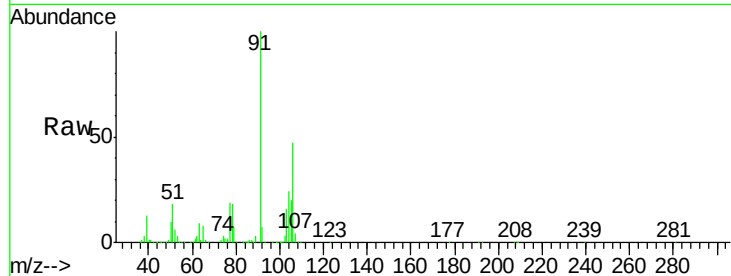




#69
o-Xylene
Concen: 19.013 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

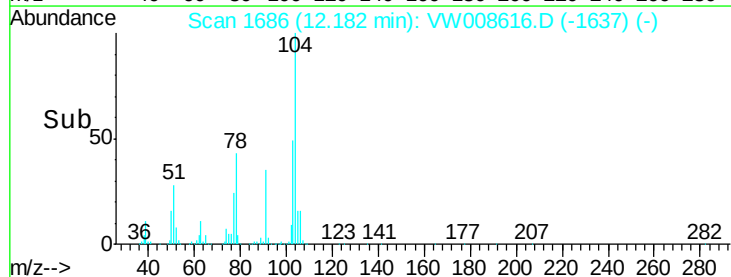
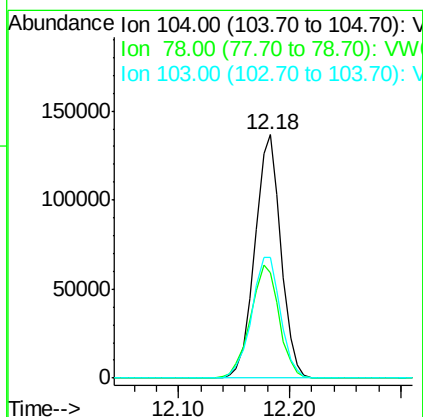
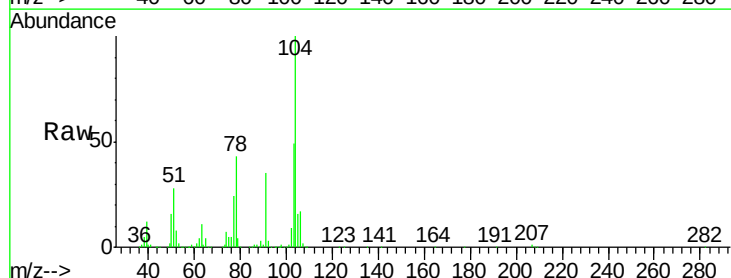
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

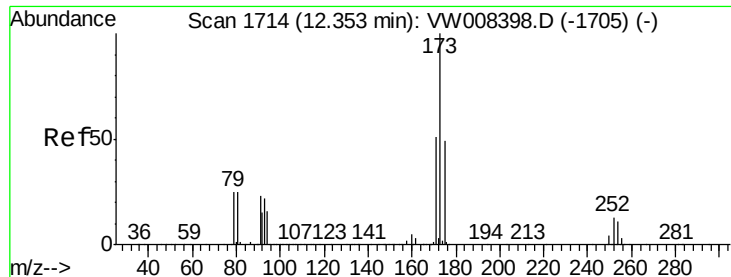
Tot Ion:106 Resp: 140070
Ion Ratio Lower Upper
106 100
91 210.5 107.5 322.4



#70
Styrene
Concen: 18.301 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion:104 Resp: 222697
Ion Ratio Lower Upper
104 100
78 50.9 42.4 63.6
103 55.4 43.4 65.0





#71

Bromoform

Concen: 18.401 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

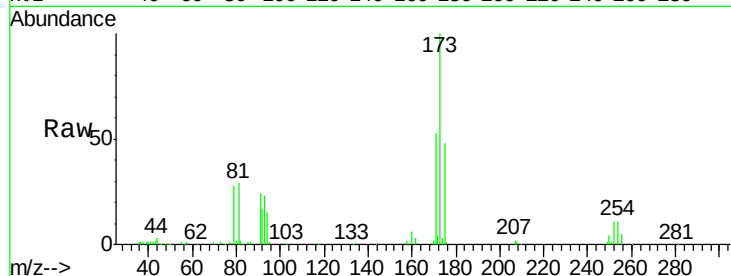
Tot Ion:173 Resp: 40271

Ion Ratio Lower Upper

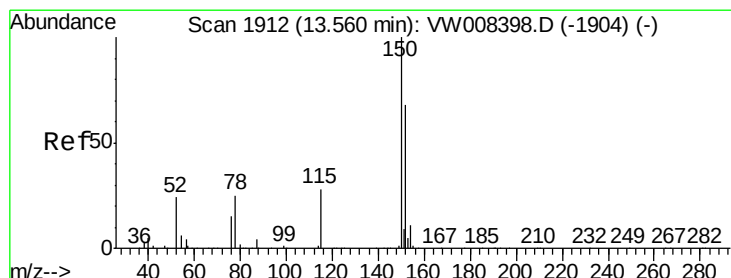
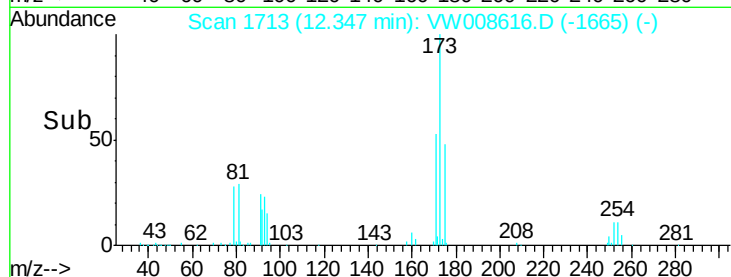
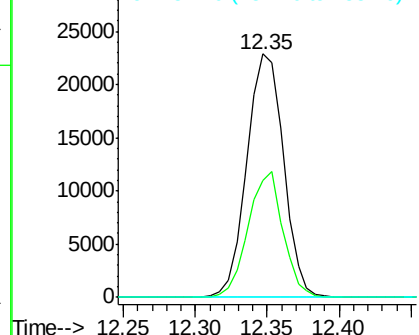
173 100

175 49.0 24.4 73.4

254 0.0 0.2 0.2#



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: VW008616.D

Acq: 12 Feb 2019 12:19

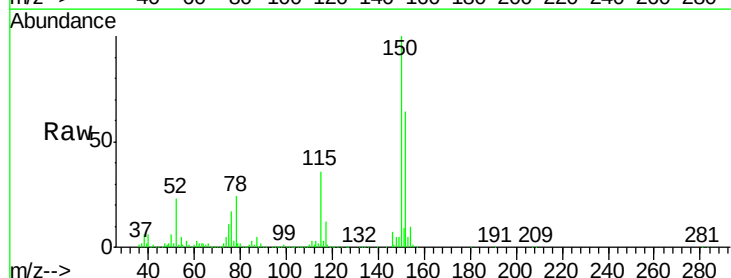
Tgt Ion:152 Resp: 281750

Ion Ratio Lower Upper

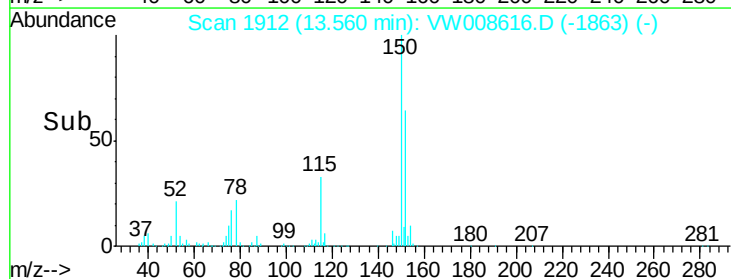
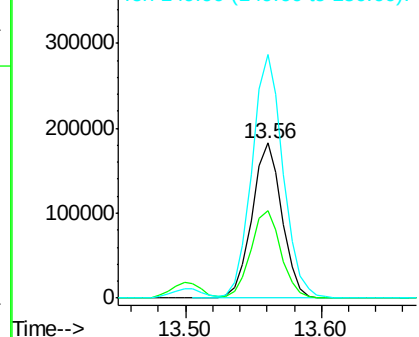
152 100

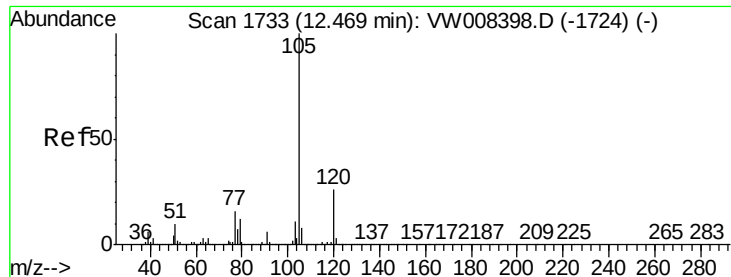
115 57.1 29.9 89.7

150 163.5 0.0 351.4



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





#73

Isopropylbenzene

Concen: 18.735 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

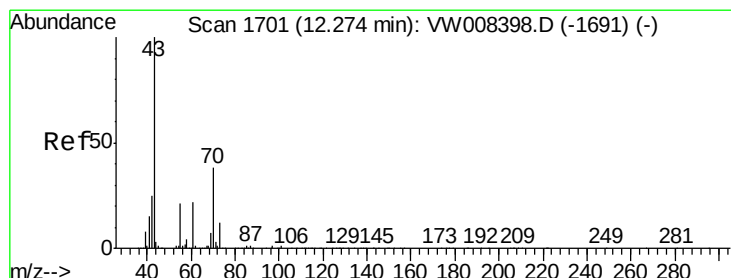
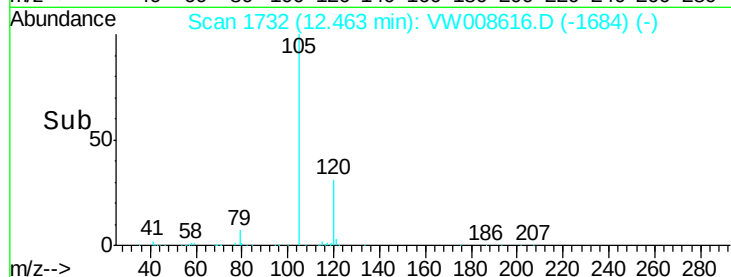
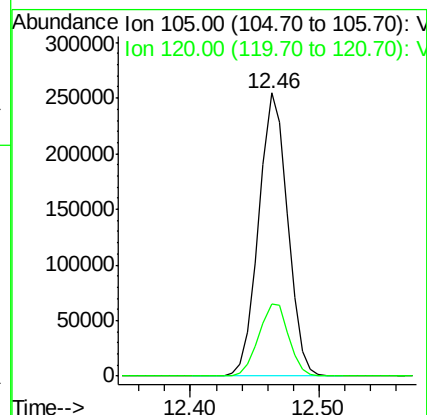
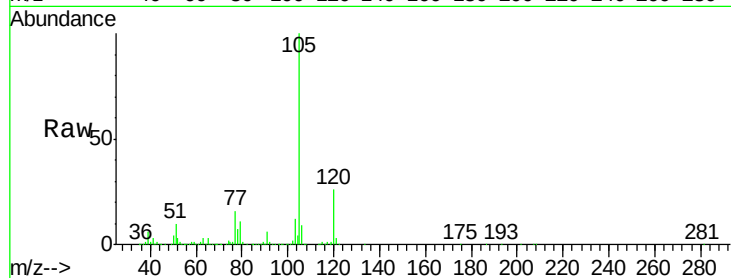
VW0212SBS01

Tot Ion: 105 Resp: 393536

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 17.245 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Tgt Ion: 43 Resp: 93317

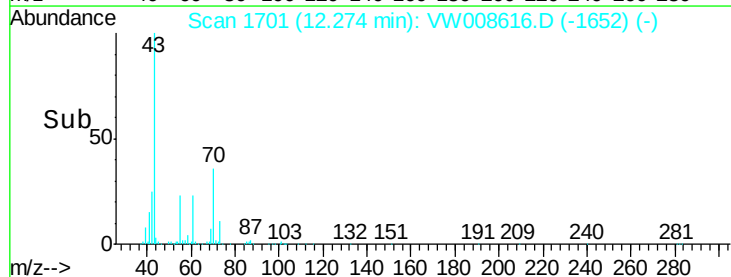
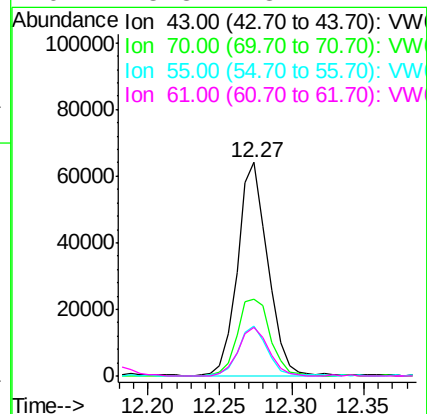
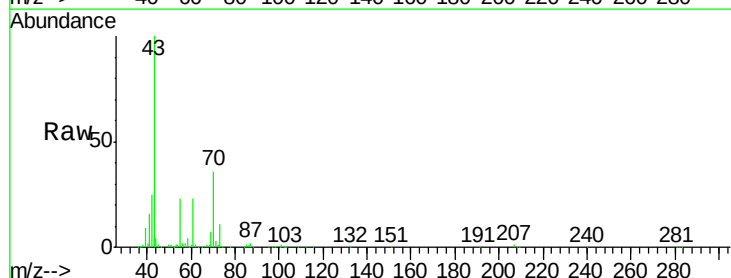
Ion Ratio Lower Upper

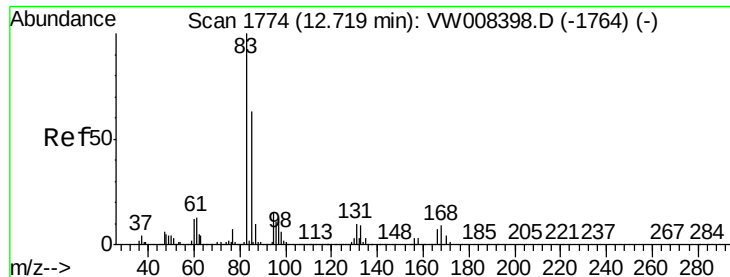
43 100

70 39.9 31.0 46.6

55 22.5 17.4 26.2

61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.846 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

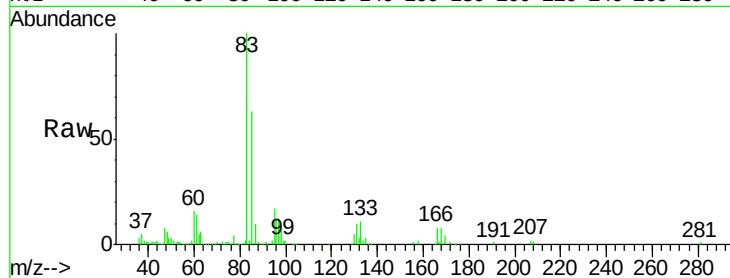
Tot Ion: 83 Resp: 62671

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

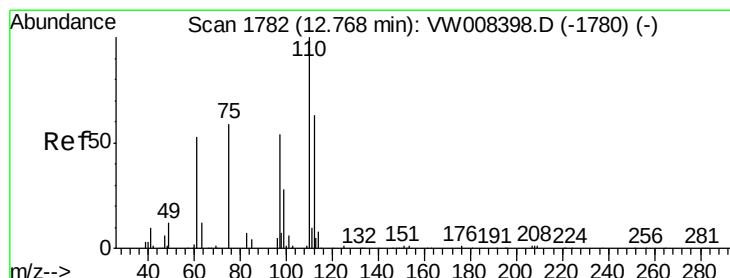
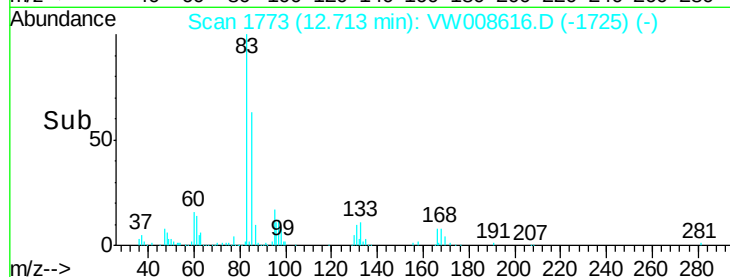
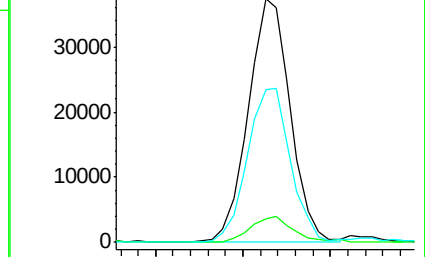
85 65.0 31.9 95.5



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: 17.500 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008616.D

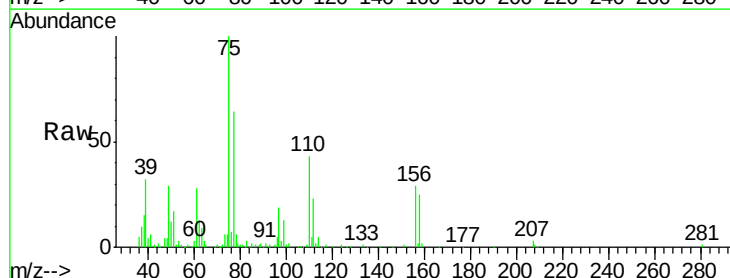
Acq: 12 Feb 2019 12:19

Tgt Ion: 75 Resp: 42868

Ion Ratio Lower Upper

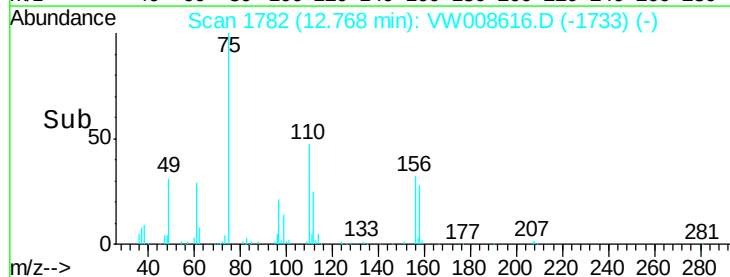
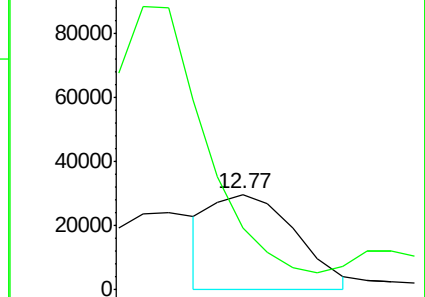
75 100

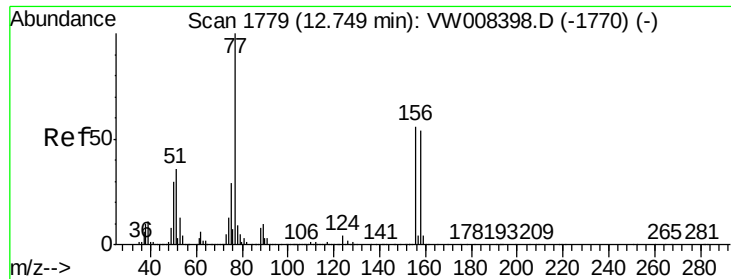
77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.641 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

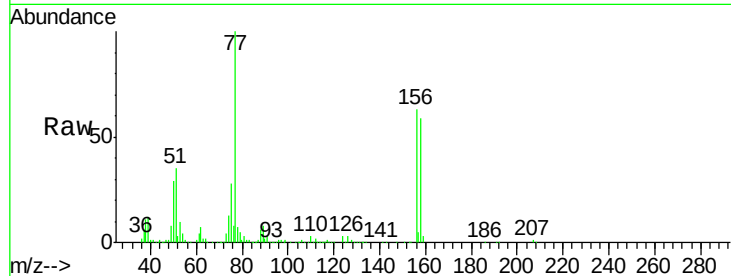
Tot Ion:156 Resp: 90101

Ion Ratio Lower Upper

156 100

77 180.0 96.9 290.7

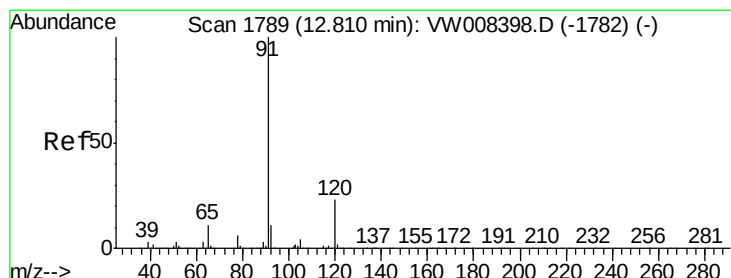
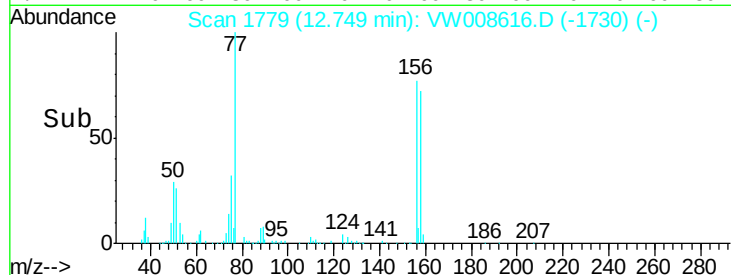
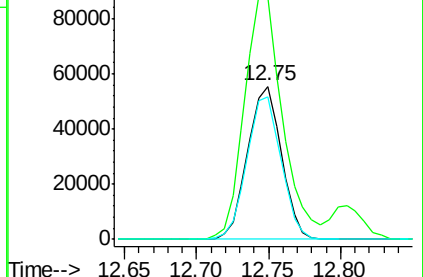
158 94.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.497 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008616.D

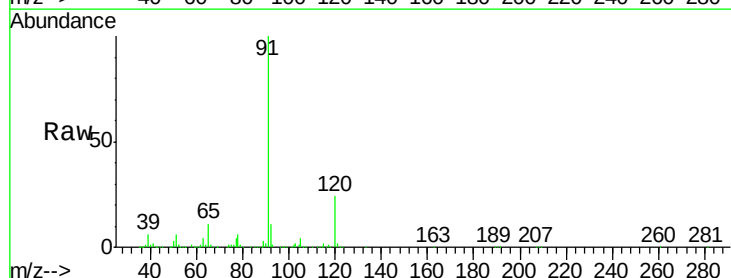
Acq: 12 Feb 2019 12:19

Tgt Ion: 91 Resp: 466658

Ion Ratio Lower Upper

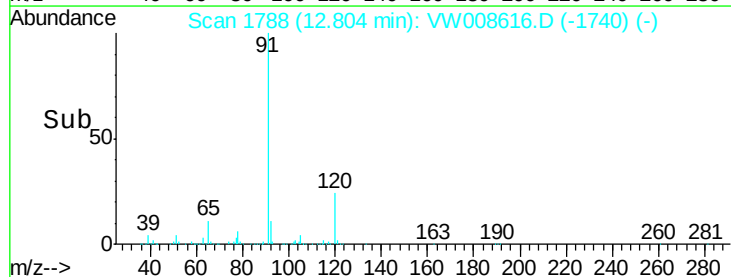
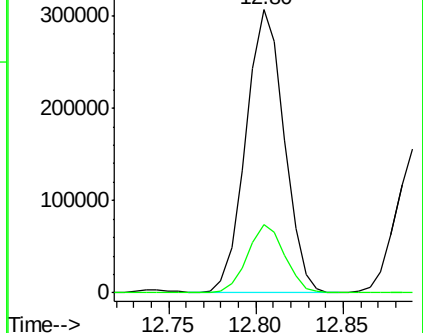
91 100

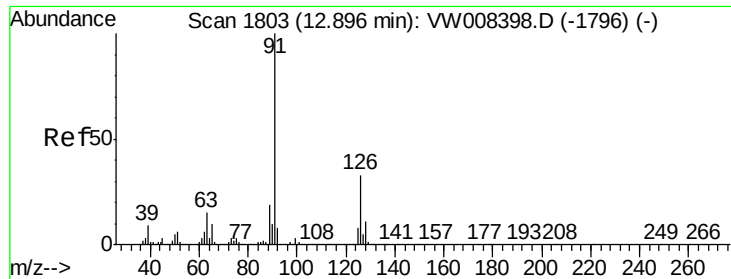
120 23.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.201 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

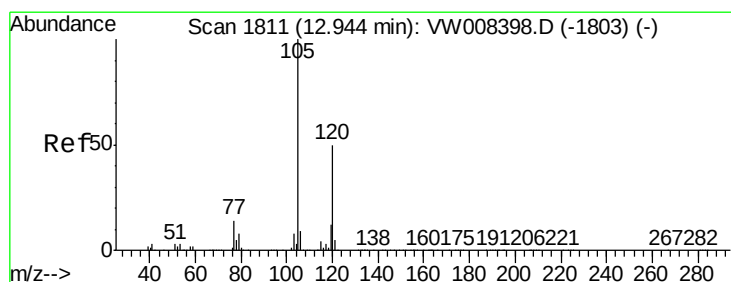
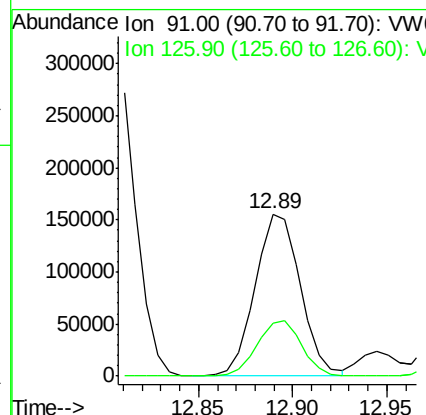
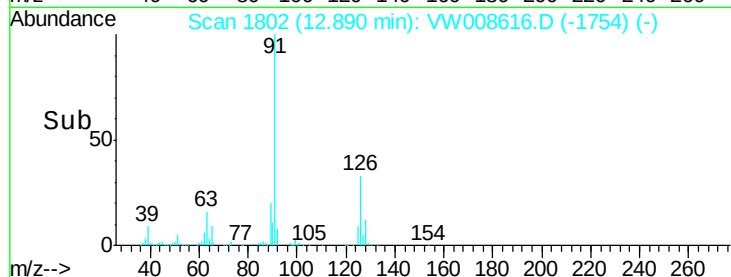
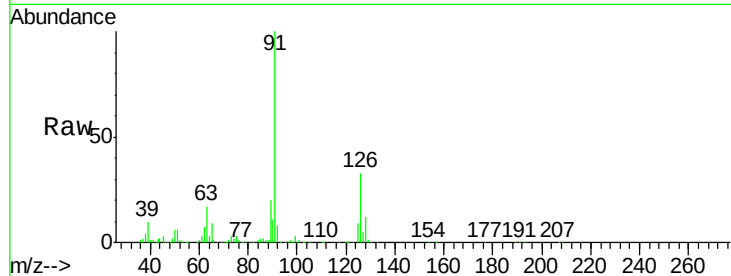
VW0212SBS01

Tot Ion: 91 Resp: 259118

Ion Ratio Lower Upper

91 100

126 34.2 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 18.443 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008616.D

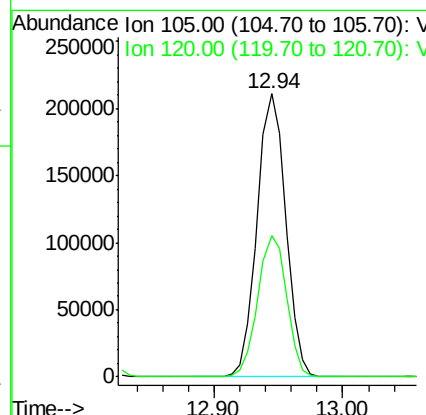
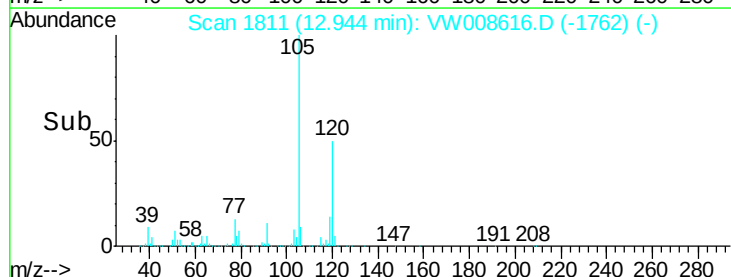
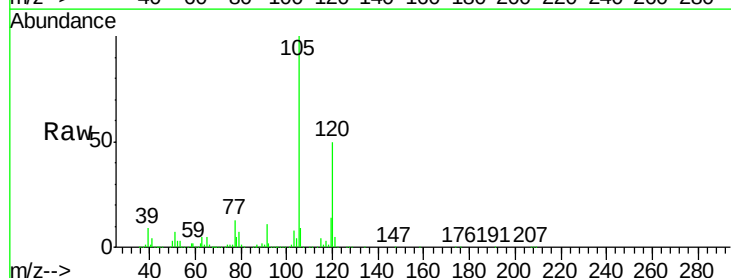
Acq: 12 Feb 2019 12:19

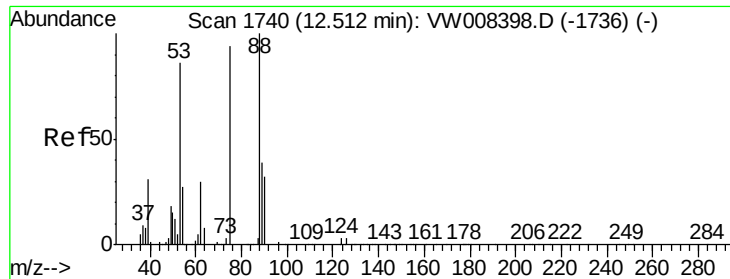
Tgt Ion: 105 Resp: 323790

Ion Ratio Lower Upper

105 100

120 50.4 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.166 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

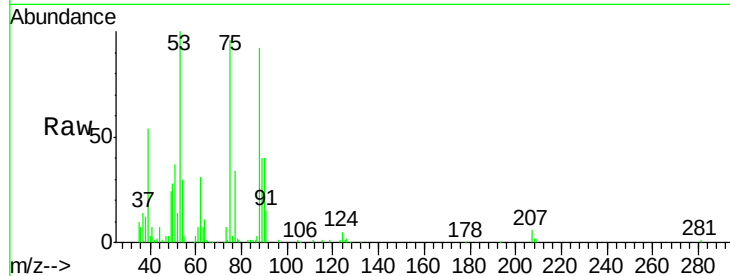
Tot Ion: 75 Resp: 20050

Ion Ratio Lower Upper

75 100

53 104.0 76.0 114.0

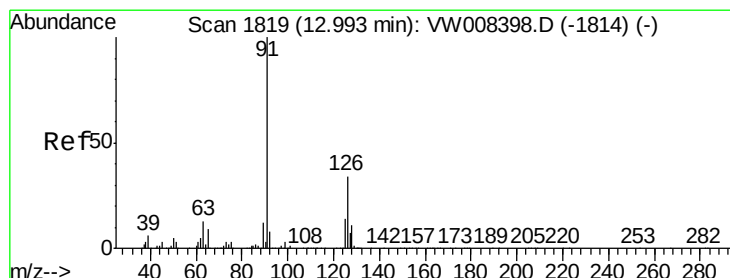
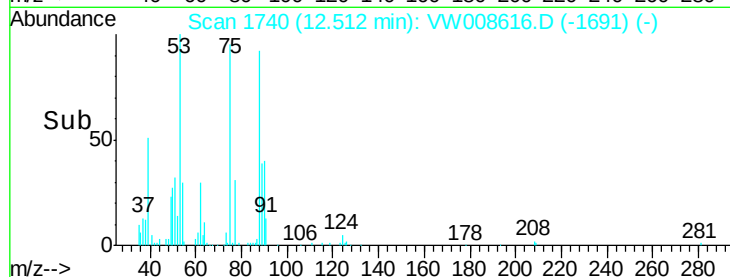
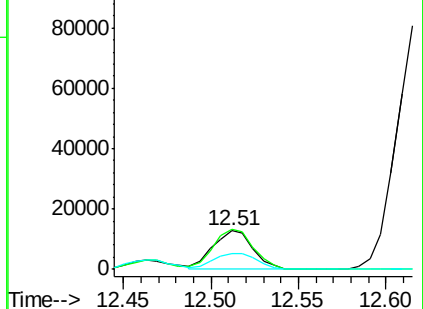
89 45.9 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 18.054 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008616.D

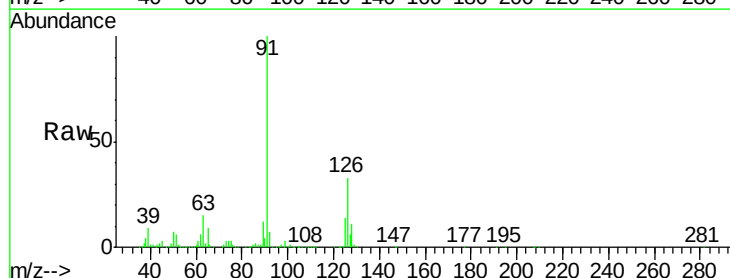
Acq: 12 Feb 2019 12:19

Tgt Ion: 91 Resp: 273644

Ion Ratio Lower Upper

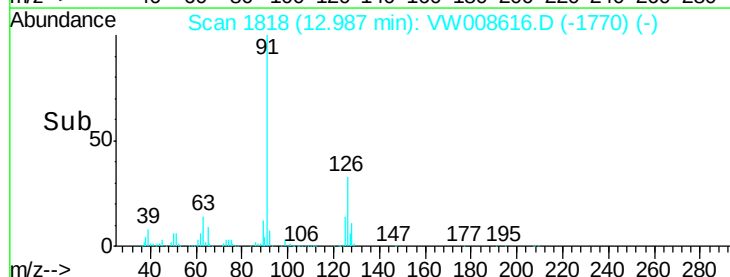
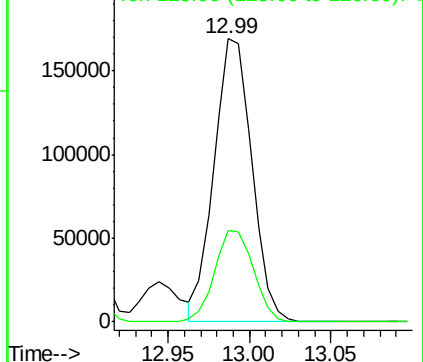
91 100

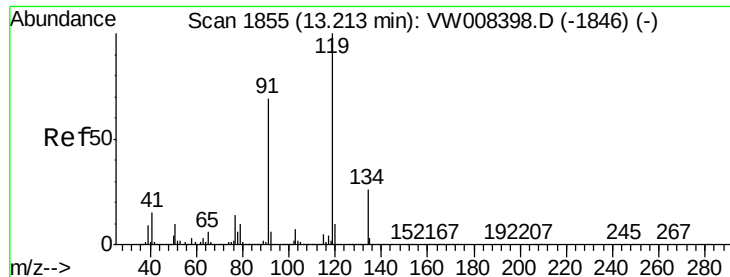
126 33.4 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

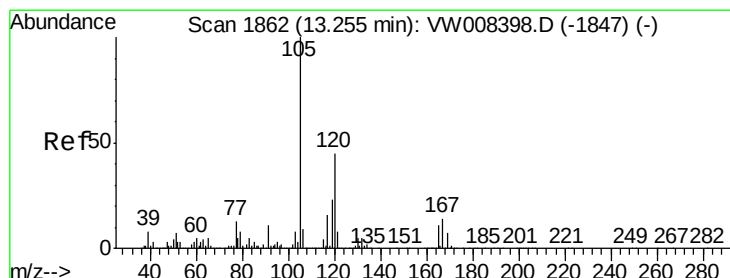
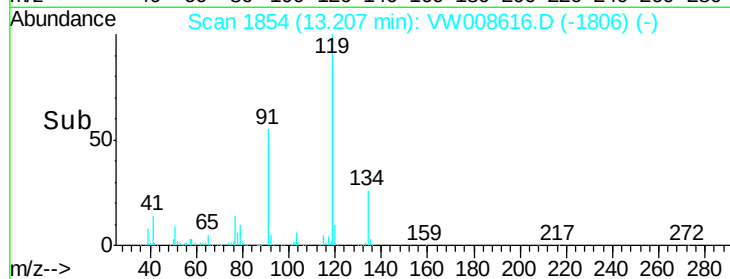
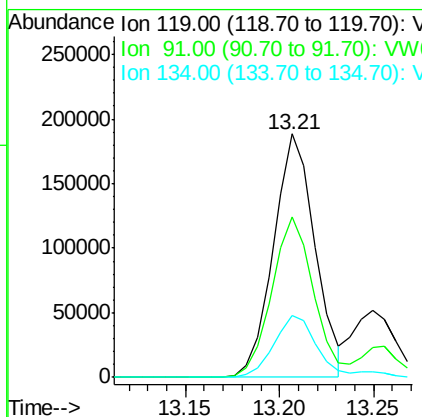
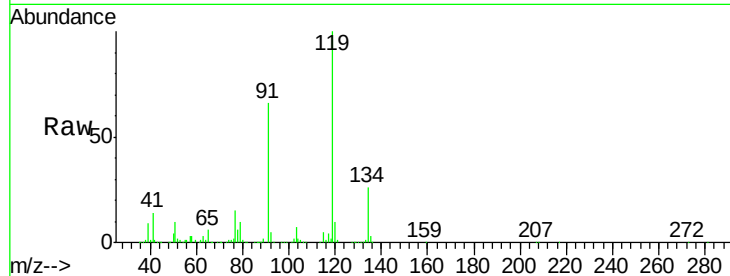




#83
tert-Butylbenzene
Concen: 18.457 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

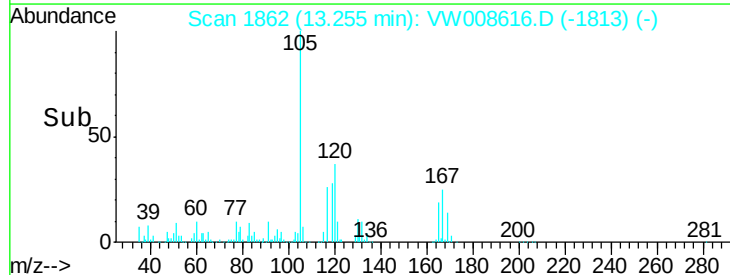
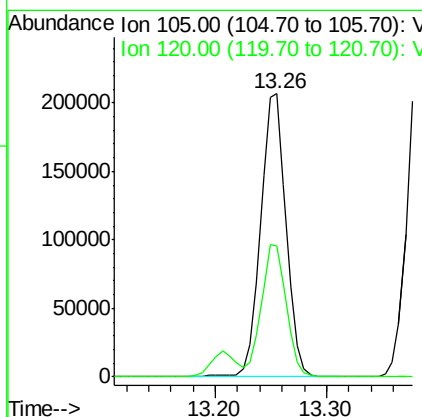
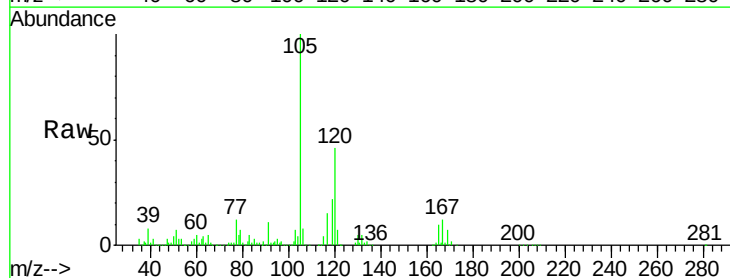
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

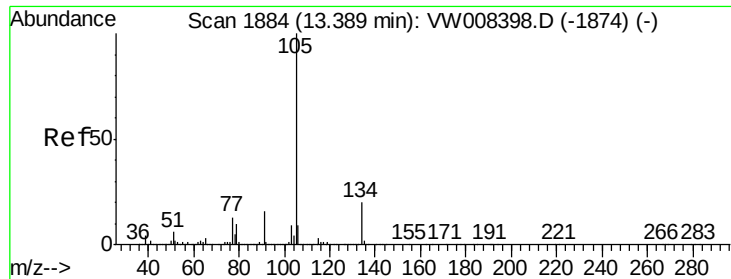
Tot Ion:119 Resp: 288358
Ion Ratio Lower Upper
119 100
91 67.0 33.8 101.4
134 27.8 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 18.479 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion:105 Resp: 329756
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 18.590 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

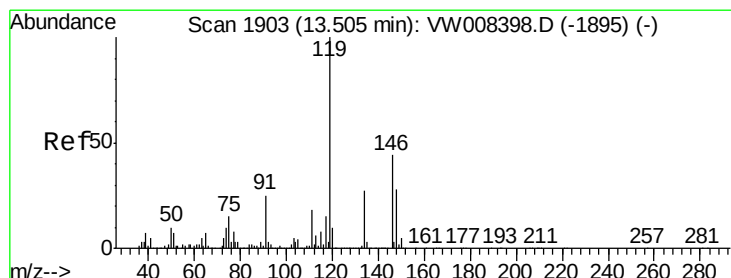
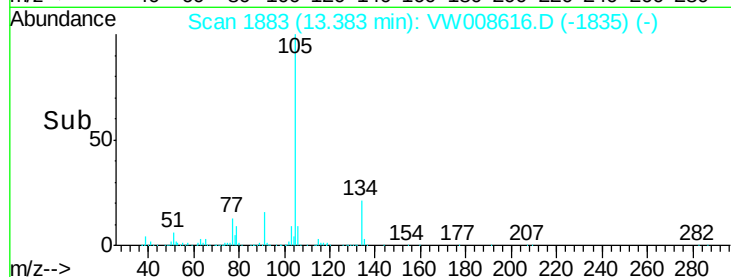
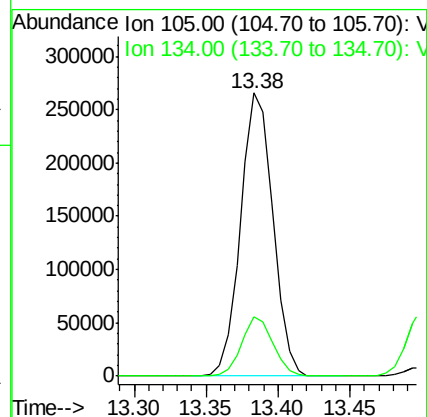
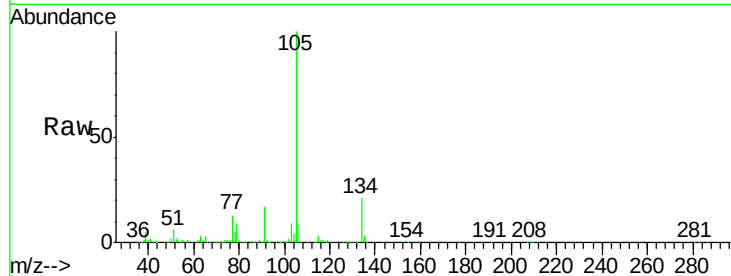
VW0212SBS01

Tot Ion:105 Resp: 414785

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 18.803 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

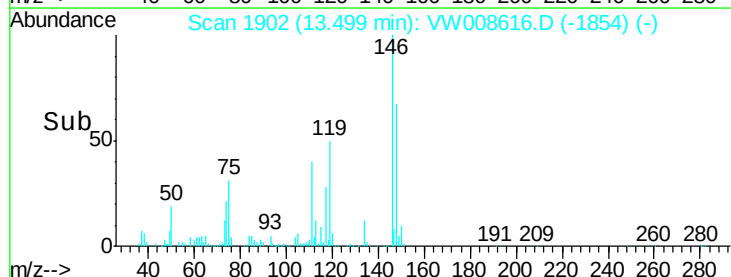
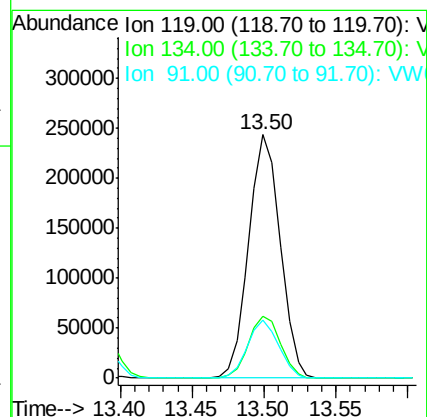
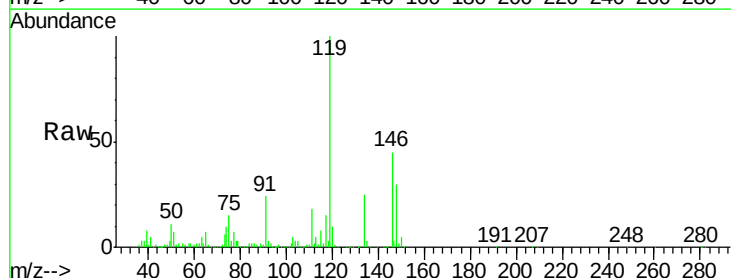
Tgt Ion:119 Resp: 367498

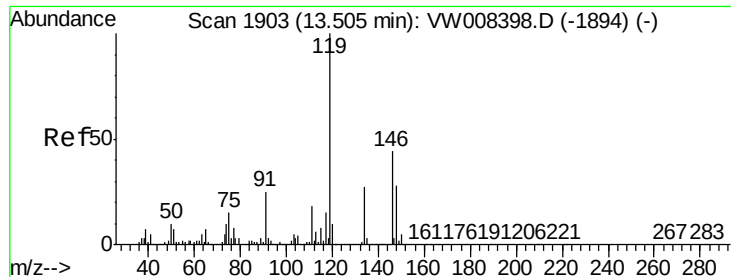
Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.2

91 23.6 12.6 37.6

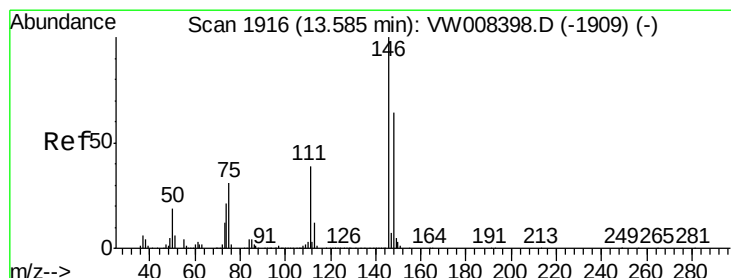
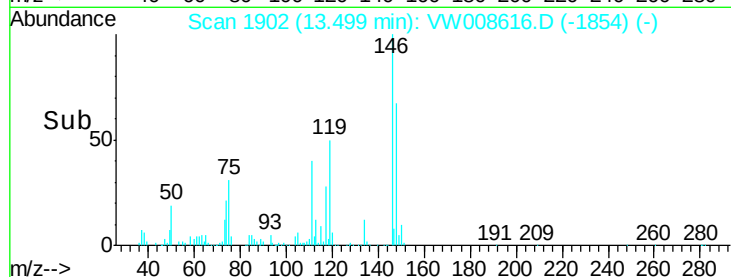
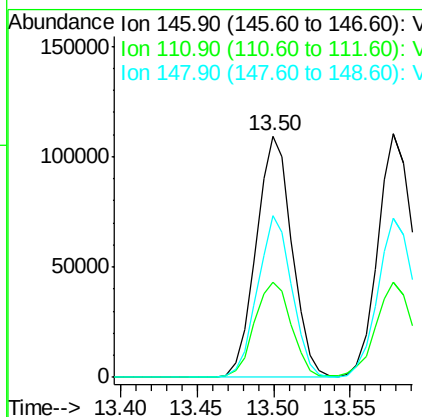
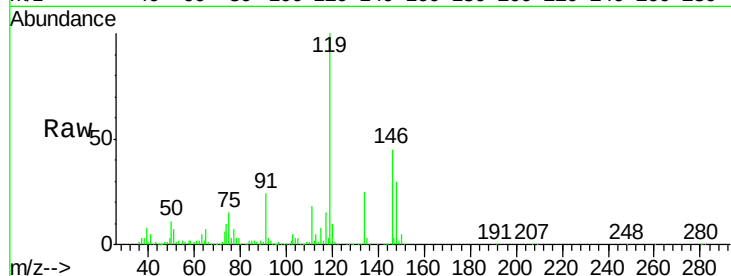




#87
 1,3-Dichlorobenzene
 Concen: 19.173 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

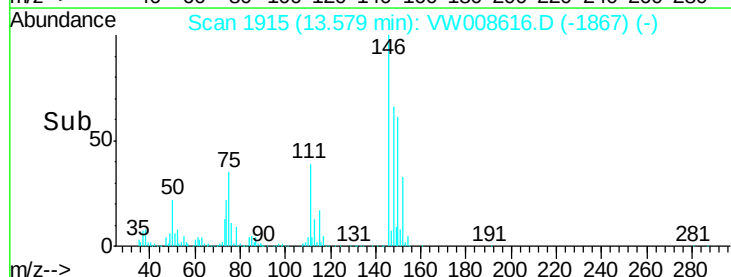
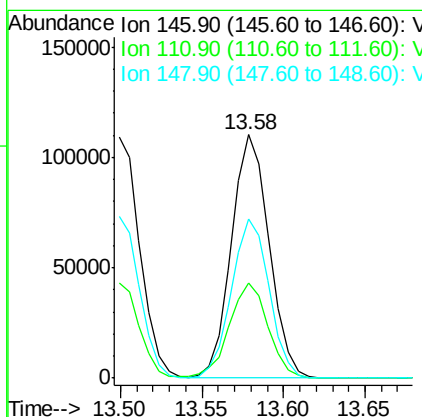
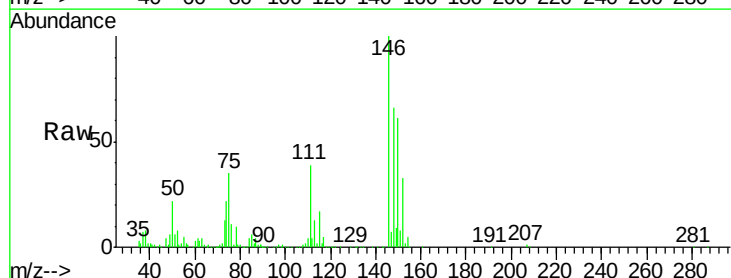
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

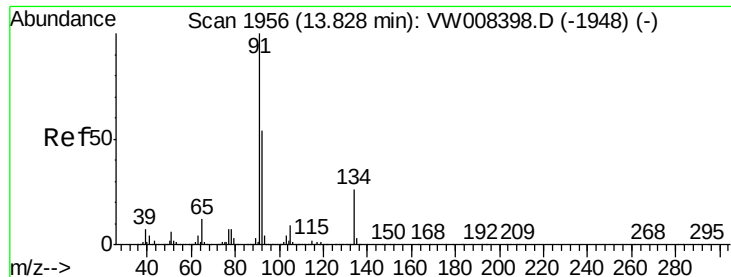
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.9
148	64.6	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.247 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	65.5	32.0	96.2





#89

n-Butylbenzene

Concen: 18.440 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

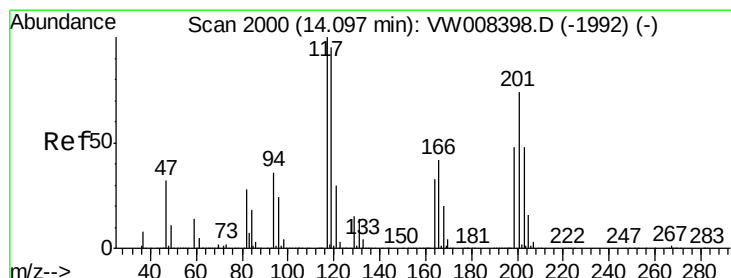
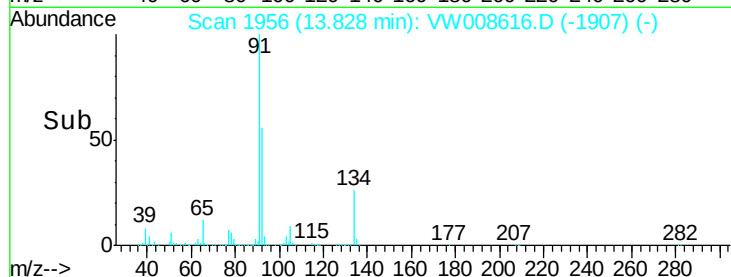
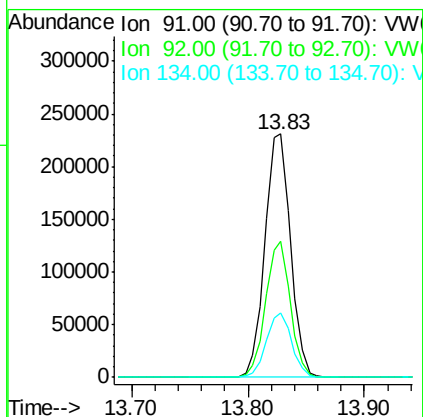
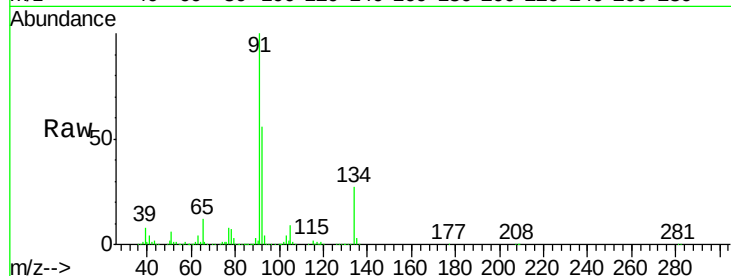
Tot Ion: 91 Resp: 353856

Ion Ratio Lower Upper

91 100

92 53.9 27.4 82.2

134 26.3 13.0 39.0



#90

Hexachloroethane

Concen: 18.308 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008616.D

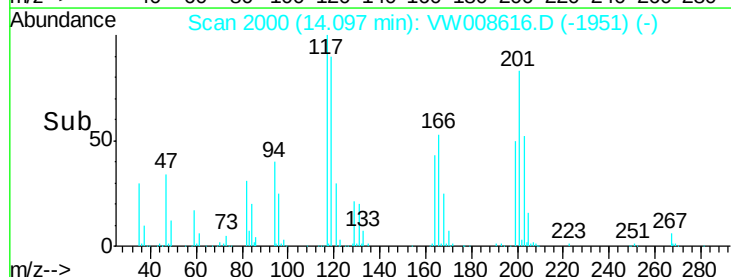
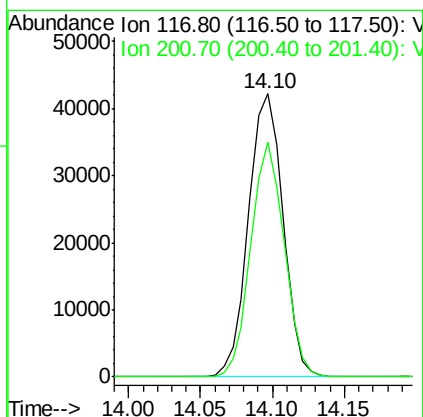
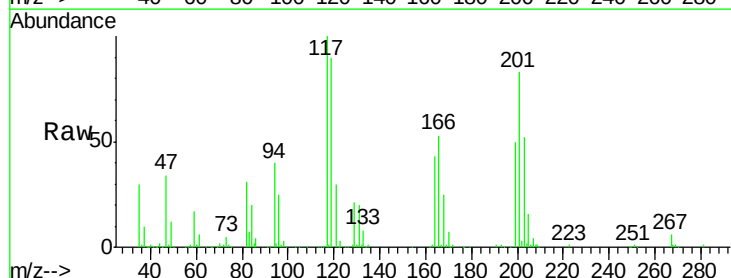
Acq: 12 Feb 2019 12:19

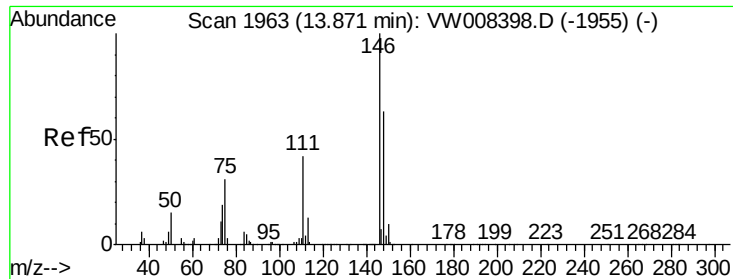
Tgt Ion: 117 Resp: 69975

Ion Ratio Lower Upper

117 100

201 80.0 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 19.430 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

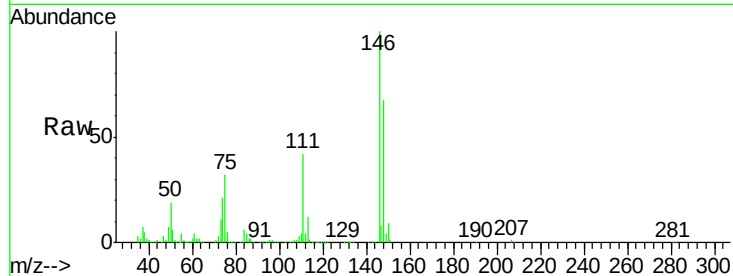
Tot Ion:146 Resp: 159272

Ion Ratio Lower Upper

146 100

111 40.4 21.1 63.3

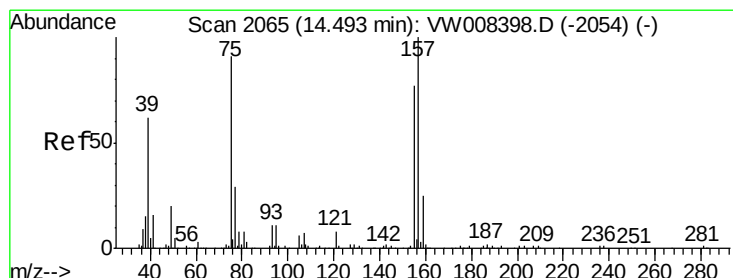
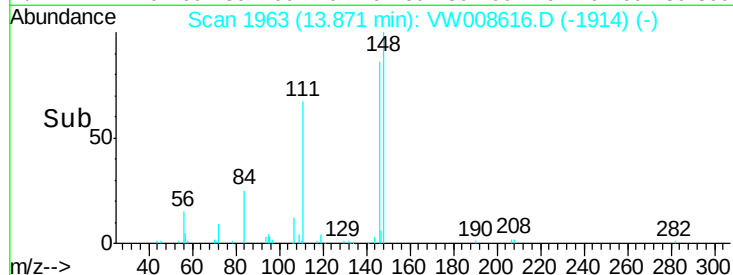
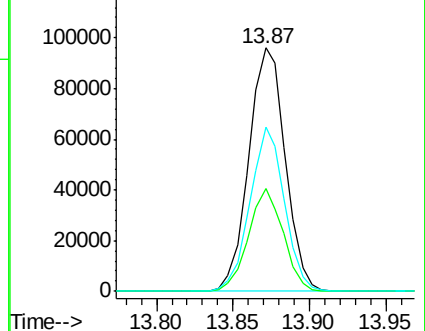
148 63.6 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.245 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008616.D

Acq: 12 Feb 2019 12:19

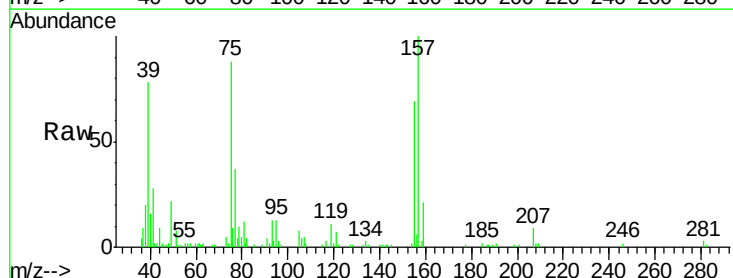
Tgt Ion: 75 Resp: 10881

Ion Ratio Lower Upper

75 100

155 84.6 42.7 128.1

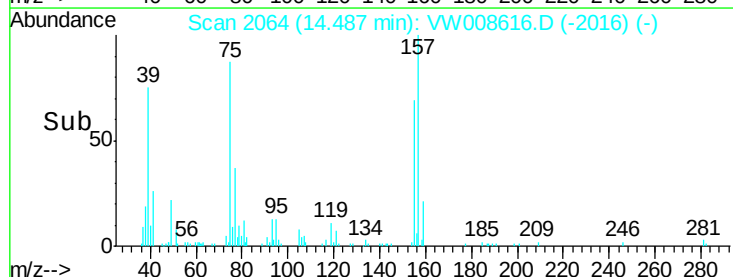
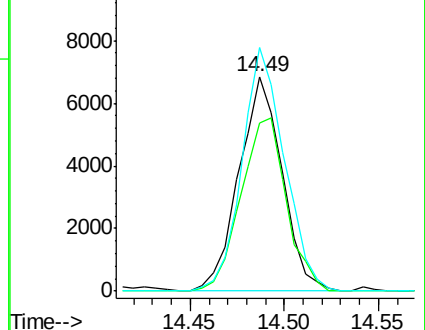
157 111.2 55.5 166.3

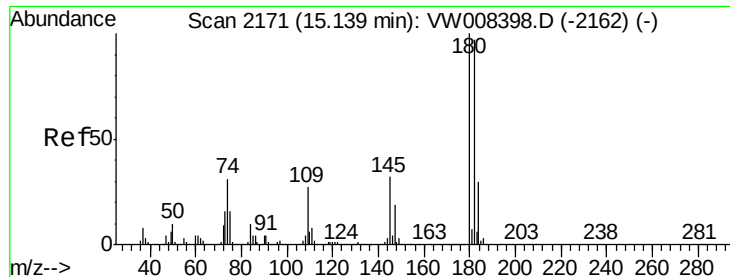


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

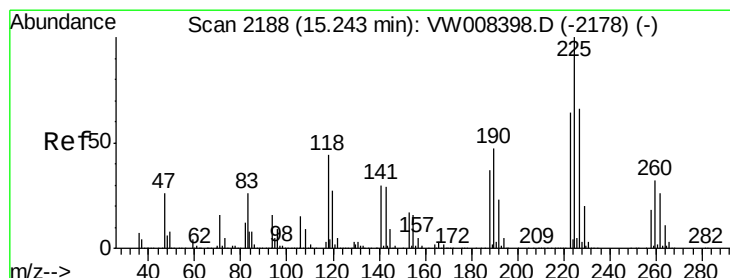
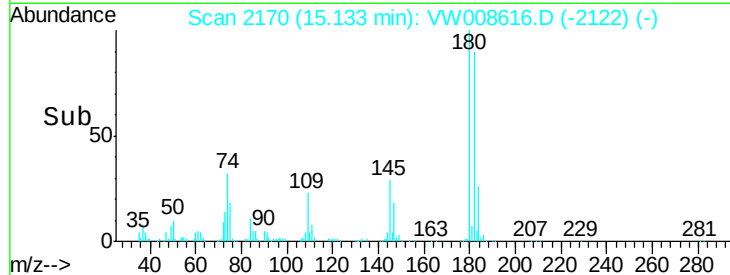
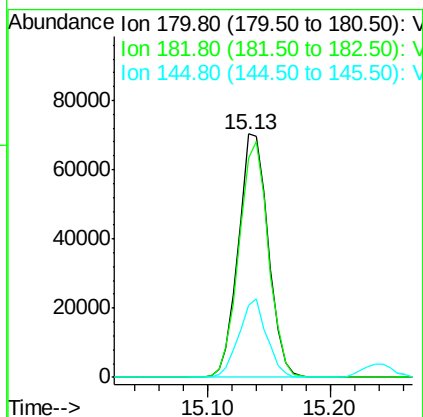
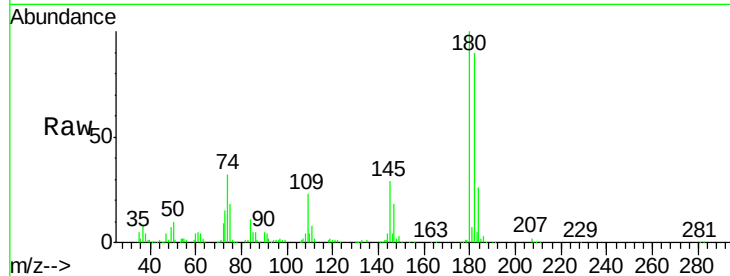




#93
 1,2,4-Trichlorobenzene
 Concen: 20.305 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

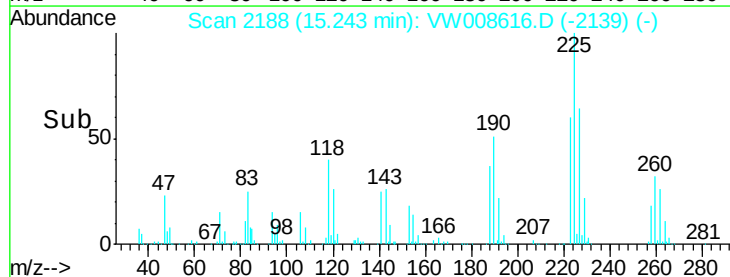
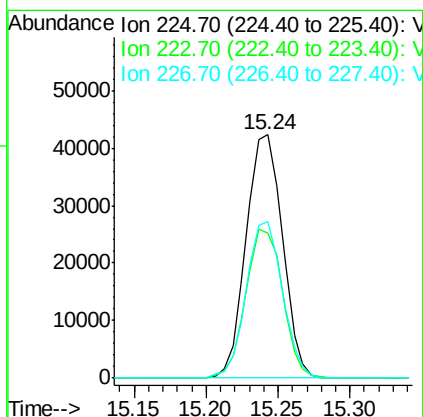
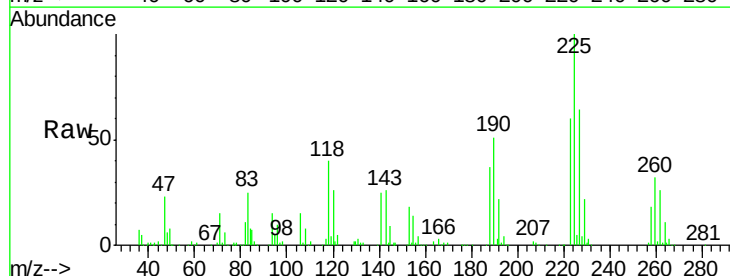
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBS01

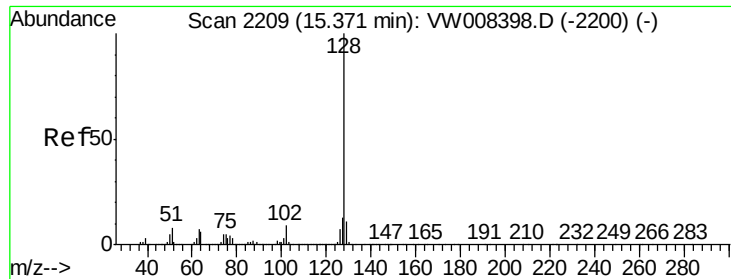
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	29.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 20.992 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008616.D
 Acq: 12 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.7	95.1
227	63.9	32.1	96.3

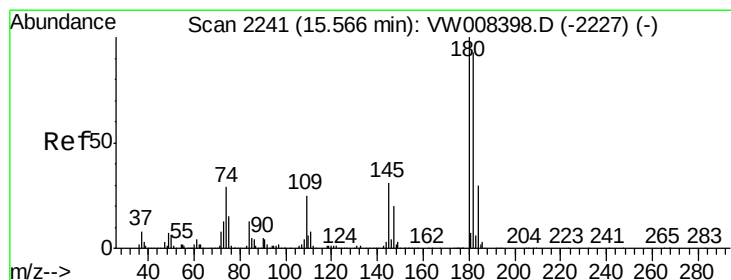
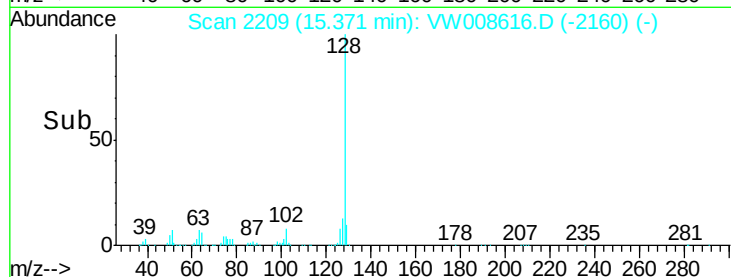
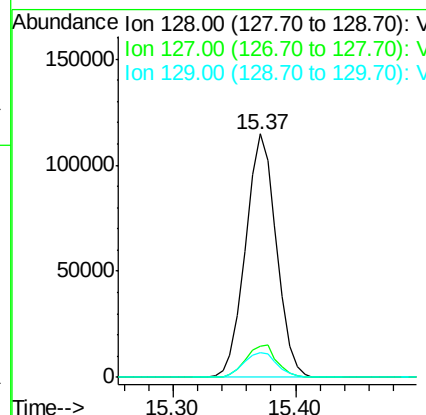
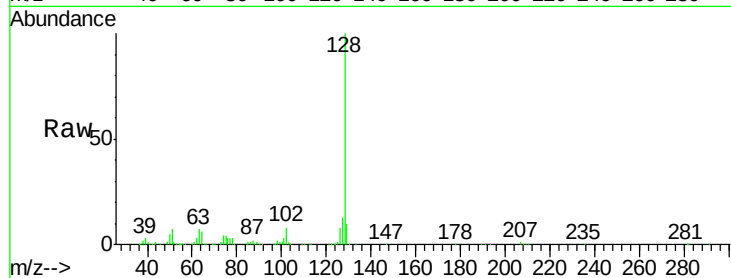




#95
Naphthalene
Concen: 19.507 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.191 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008616.D
Acq: 12 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.0	141.2
145	31.4	15.9	47.6

