

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
 Data File : VW008478.D
 Acq On : 01 Feb 2019 13:44
 Operator : SY/VA
 Sample : VW0201SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Quant Time: Feb 02 00:41:26 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	7.95	168	414420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	628615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	549938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	285448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	208726	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.88	113	205406	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
50) Toluene-d8	10.32	98	785931	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.62	95	287967	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33414	16.297	ug/l	98
3) Chloromethane	2.21	50	52413	15.494	ug/l	97
4) Vinyl Chloride	2.36	62	69810	16.211	ug/l	96
5) Bromomethane	2.78	94	58537	21.075	ug/l	97
6) Chloroethane	2.92	64	49283	18.713	ug/l	99
7) Trichlorofluoromethane	3.25	101	51447	17.163	ug/l	94
8) Diethyl Ether	3.67	74	36089	17.462	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	70146	18.714	ug/l	98
10) Methyl Iodide	4.26	142	109210	18.446	ug/l	100
11) Tert butyl alcohol	5.20	59	24324	74.207	ug/l	95
12) 1,1-Dichloroethene	4.03	96	66559	17.546	ug/l	98
13) Acrolein	3.89	56	26917	95.701	ug/l	95
14) Allyl chloride	4.65	41	115467	16.030	ug/l	96
15) Acrylonitrile	5.36	53	74102	83.035	ug/l	99
16) Acetone	4.12	43	74728	81.735	ug/l	94
17) Carbon Disulfide	4.37	76	202546	16.719	ug/l	100
18) Methyl Acetate	4.67	43	39716	16.287	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	115812	18.453	ug/l	97
20) Methylene Chloride	4.91	84	76255	18.096	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	78527	18.414	ug/l	95
22) Diisopropyl ether	6.30	45	219981	16.114	ug/l	93
23) Vinyl Acetate	6.24	43	658286	81.664	ug/l	99
24) 1,1-Dichloroethane	6.20	63	132041	17.088	ug/l	99
25) 2-Butanone	7.17	43	103459	81.470	ug/l	97
26) 2,2-Dichloropropane	7.16	77	95210	18.228	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	82109	17.667	ug/l	96
28) Bromochloromethane	7.51	49	62738	17.677	ug/l	91
29) Tetrahydrofuran	7.52	42	64176	79.748	ug/l	95
30) Chloroform	7.67	83	131317	17.277	ug/l	95
31) Cyclohexane	7.95	56	130310	16.309	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	118226	18.009	ug/l	98
36) 1,1-Dichloropropene	8.07	75	109533	18.446	ug/l	98
37) Ethyl Acetate	7.25	43	46090	17.544	ug/l	97
38) Carbon Tetrachloride	8.06	117	114655	19.188	ug/l	97

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Quant Time: Feb 02 00:41:26 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)
39) Methylcyclohexane	9.33	83	142718	18.296	ug/l	95
40) Benzene	8.32	78	299343	18.167	ug/l	97
41) Methacrylonitrile	7.48	41	26786	17.219	ug/l	94
42) 1,2-Dichloroethane	8.40	62	85722	17.952	ug/l	99
43) Isopropyl Acetate	8.42	43	94635	17.339	ug/l #	98
44) Trichloroethene	9.09	130	84389	18.834	ug/l	97
45) 1,2-Dichloropropane	9.37	63	72712	17.698	ug/l	98
46) Dibromomethane	9.45	93	39025	18.468	ug/l	96
47) Bromodichloromethane	9.64	83	99599	17.820	ug/l	99
48) Methyl methacrylate	9.43	41	42752	16.020	ug/l	98
49) 1,4-Dioxane	9.45	88	10939	306.263	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	228290	84.665	ug/l	98
52) Toluene	10.38	92	195278	17.954	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	104599	17.588	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	120507	17.855	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	53654	18.306	ug/l	96
56) Ethyl methacrylate	10.65	69	70709	17.217	ug/l	94
57) 1,3-Dichloropropane	10.93	76	93735	17.851	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	196009	98.229	ug/l	95
59) 2-Hexanone	10.97	43	165680	87.038	ug/l	99
60) Dibromochloromethane	11.13	129	69164	18.363	ug/l	98
61) 1,2-Dibromoethane	11.23	107	53347	18.356	ug/l	99
64) Tetrachloroethene	10.86	164	73320	19.692	ug/l	97
65) Chlorobenzene	11.66	112	211626	18.851	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	76673	19.089	ug/l	99
67) Ethyl Benzene	11.73	91	375667	18.205	ug/l	100
68) m/p-Xylenes	11.84	106	292896	36.582	ug/l	97
69) o-Xylene	12.16	106	138400	18.193	ug/l	97
70) Styrene	12.18	104	223229	17.765	ug/l	97
71) Bromoform	12.35	173	41041	18.161	ug/l #	99
73) Isopropylbenzene	12.46	105	383733	18.032	ug/l	99
74) N-amyl acetate	12.27	43	90691	16.543	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	61131	18.144	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	85126	34.300	ug/l #	1
77) Bromobenzene	12.75	156	88338	19.008	ug/l	92
78) n-propylbenzene	12.80	91	457131	17.885	ug/l	98
79) 2-Chlorotoluene	12.89	91	255240	17.697	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	320833	18.037	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	21148	16.830	ug/l	95
82) 4-Chlorotoluene	12.99	91	270150	17.592	ug/l	98
83) tert-Butylbenzene	13.21	119	288308	18.215	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	324815	17.966	ug/l	99
85) sec-Butylbenzene	13.38	105	407000	18.005	ug/l	98
86) p-Isopropyltoluene	13.50	119	363373	18.351	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	175158	18.662	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	175261	18.789	ug/l	99
89) n-Butylbenzene	13.83	91	342867	17.636	ug/l	99
90) Hexachloroethane	14.10	117	69341	17.907	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	154731	18.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10823	16.930	ug/l	96

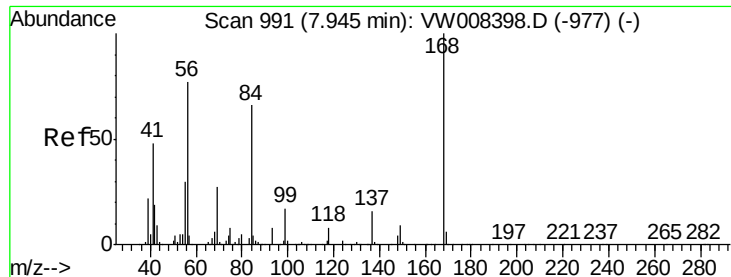
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	118720	20.032	ug/l	98
94) Hexachlorobutadiene	15.24	225	71769	20.094	ug/l	98
95) Naphthalene	15.37	128	197182	18.949	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	100129	19.917	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

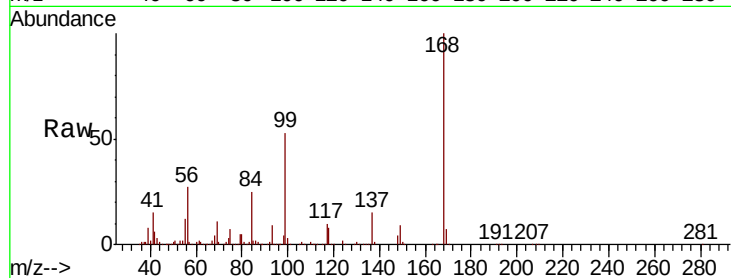
VW0201SBS01

Tgt Ion:168 Resp: 414420

Ion Ratio Lower Upper

168 100

99 52.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

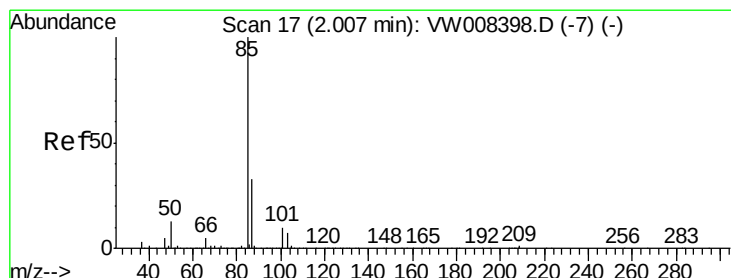
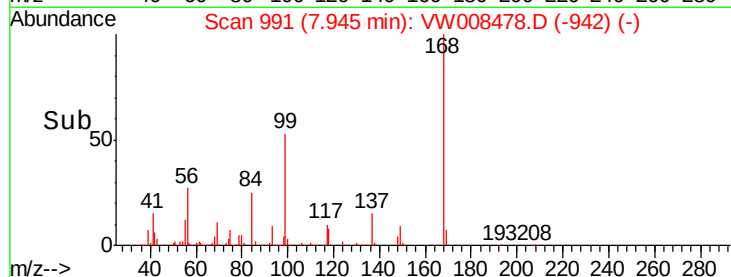
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.297 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008478.D

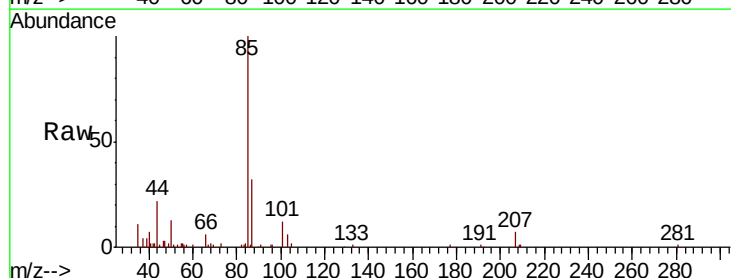
Acq: 01 Feb 2019 13:44

Tgt Ion: 85 Resp: 33414

Ion Ratio Lower Upper

85 100

87 32.2 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

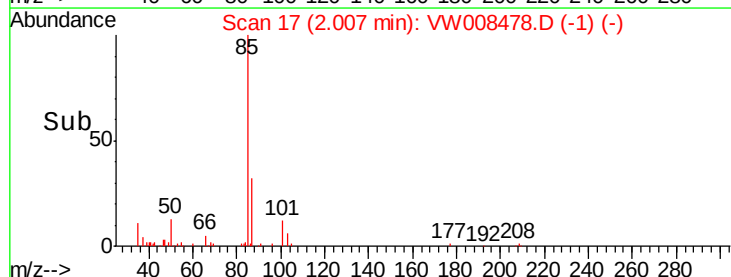
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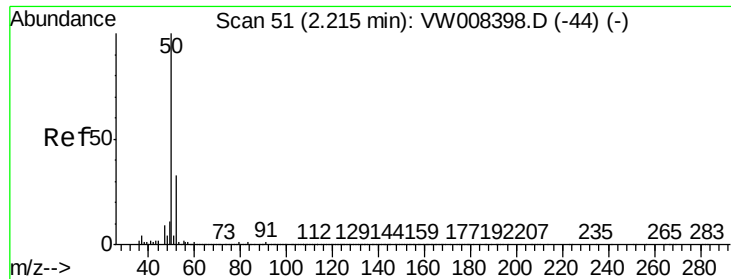
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0

1.90 2.00 2.10

Time-->

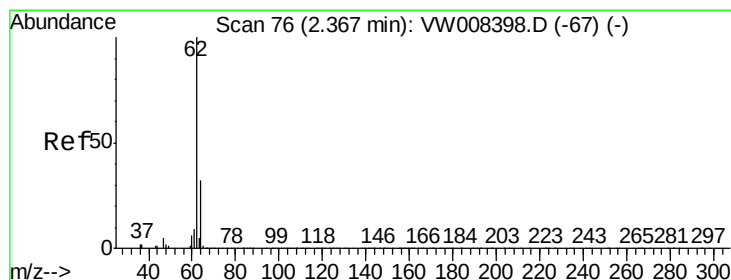
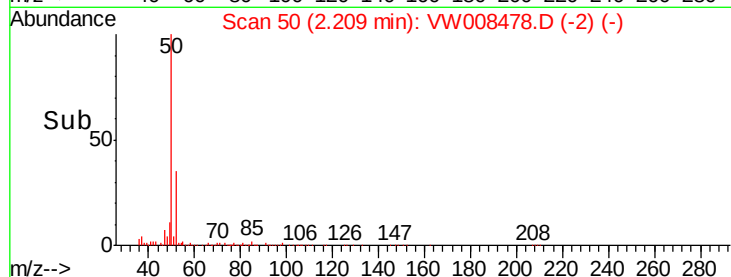
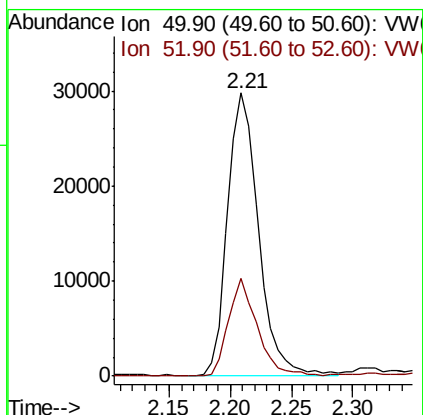
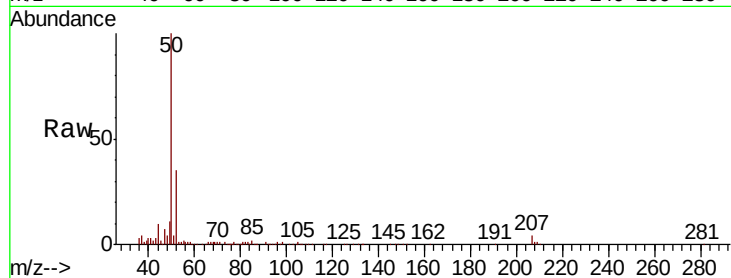




#3
Chloromethane
Concen: 15.494 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

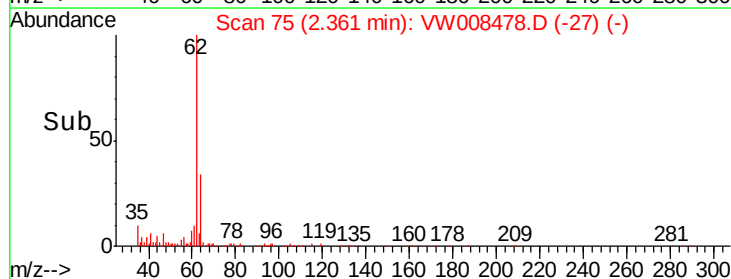
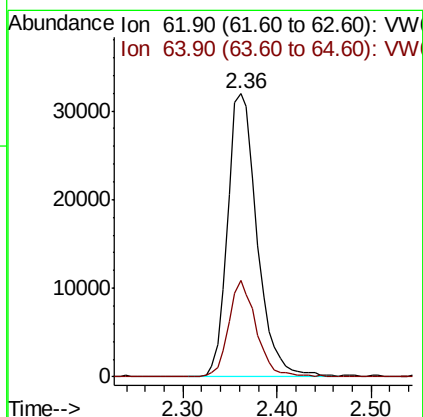
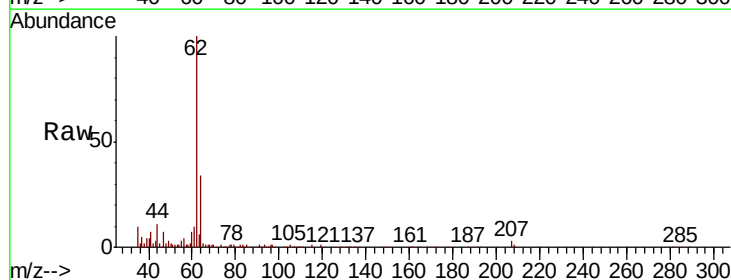
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

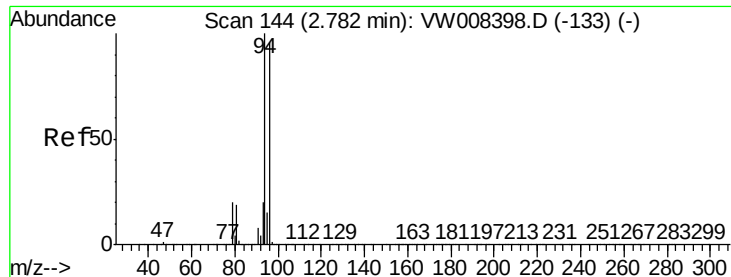
Tgt Ion: 50 Resp: 52413
Ion Ratio Lower Upper
50 100
52 34.6 26.3 39.5



#4
Vinyl Chloride
Concen: 16.211 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 62 Resp: 69810
Ion Ratio Lower Upper
62 100
64 34.2 25.5 38.3





#5

Bromomethane

Concen: 21.075 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

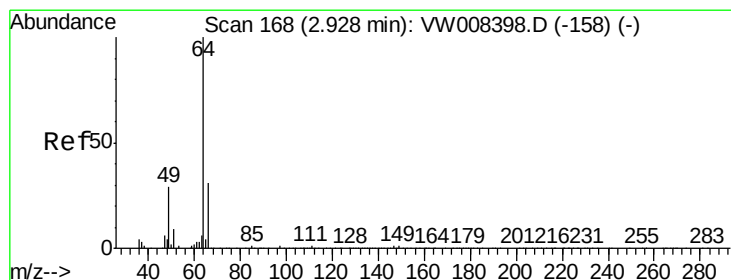
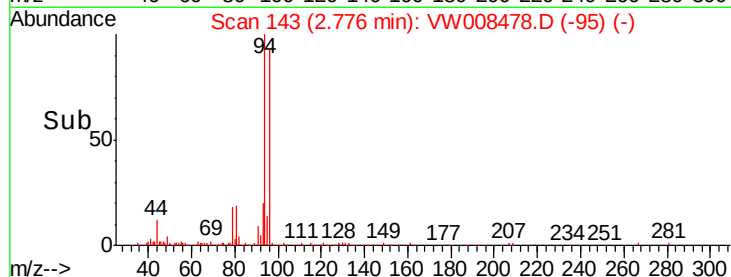
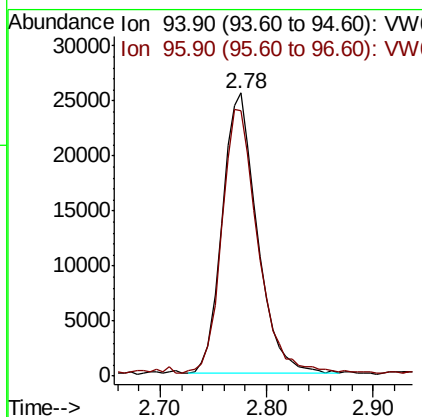
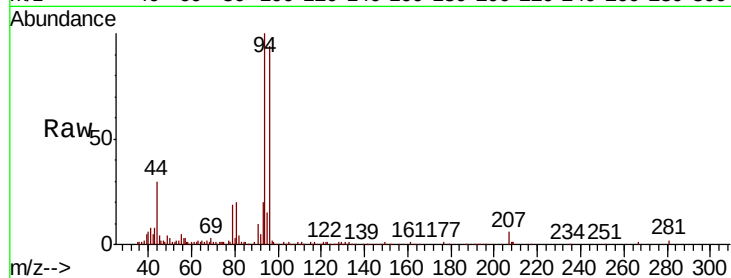
VW0201SBS01

Tgt Ion: 94 Resp: 58537

Ion Ratio Lower Upper

94 100

96 93.1 77.2 115.8



#6

Chloroethane

Concen: 18.713 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008478.D

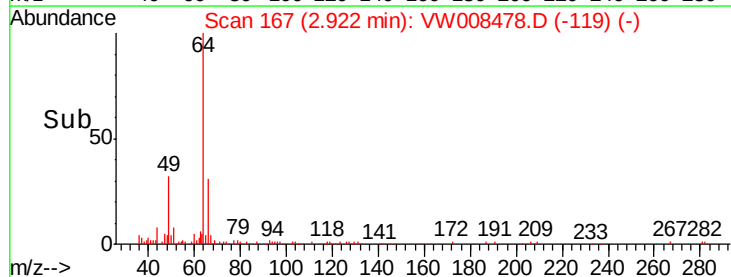
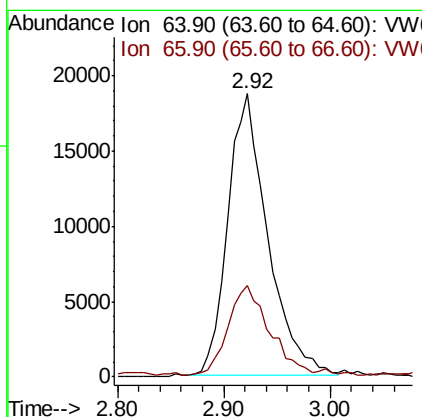
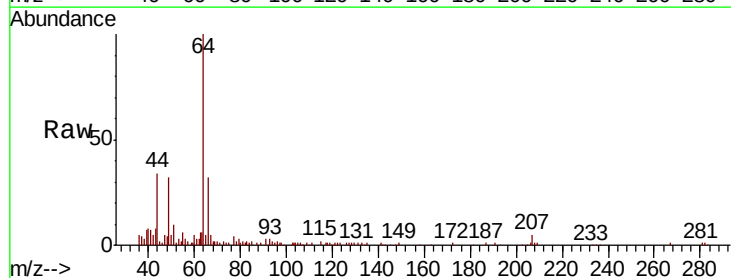
Acq: 01 Feb 2019 13:44

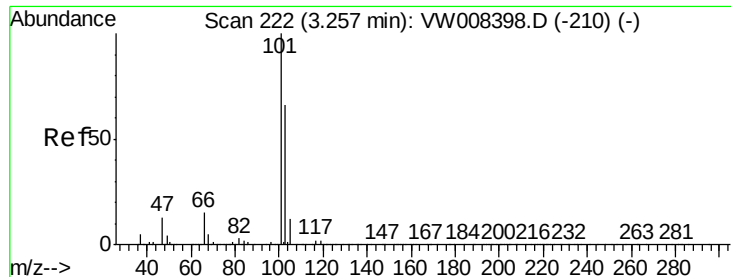
Tgt Ion: 64 Resp: 49283

Ion Ratio Lower Upper

64 100

66 31.9 24.9 37.3



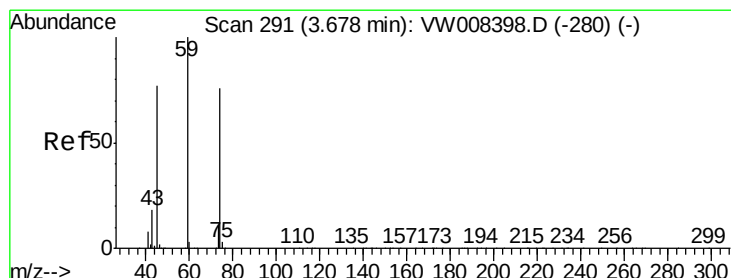
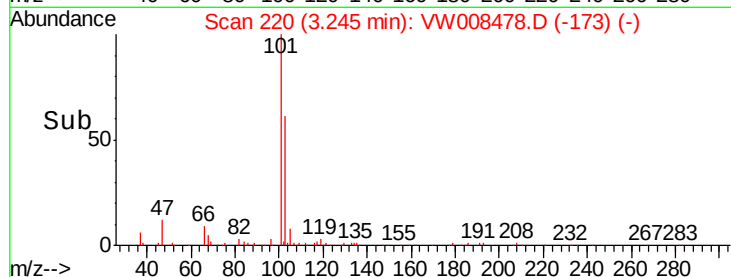
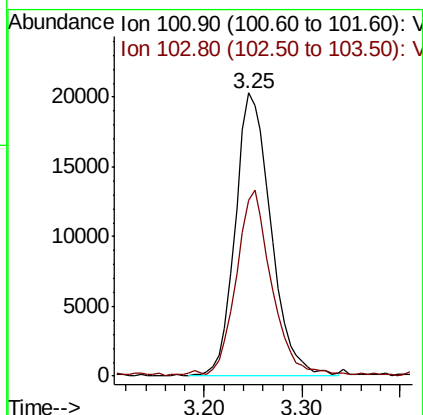
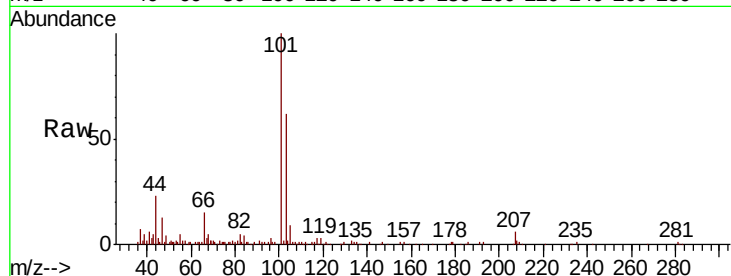


#7

Trichlorofluoromethane
Concen: 17.163 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
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ClientSampleId :
VW0201SBS01

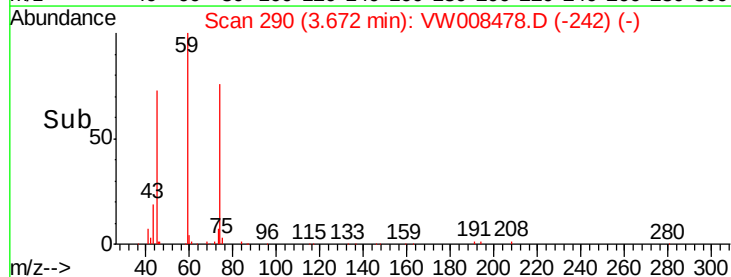
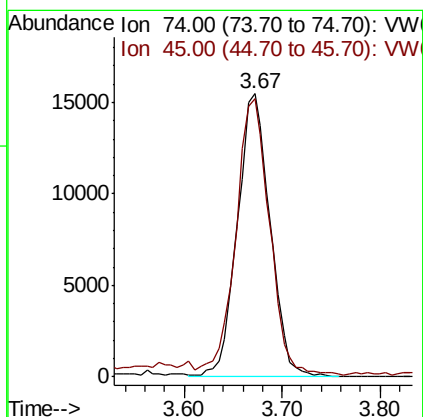
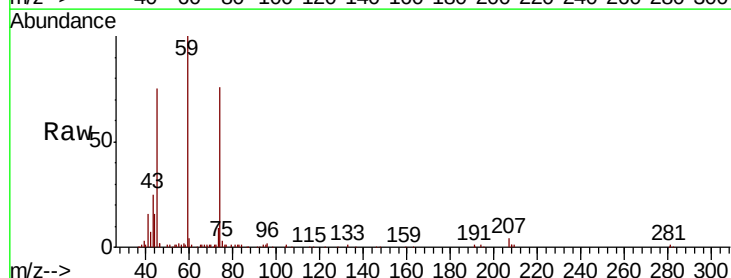
Tgt Ion:101 Resp: 51447
Ion Ratio Lower Upper
101 100
103 61.1 52.5 78.7

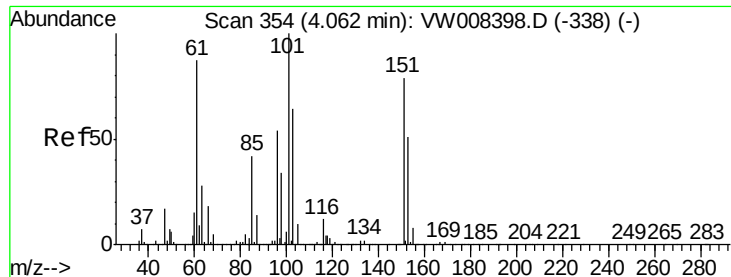


#8

Diethyl Ether
Concen: 17.462 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 74 Resp: 36089
Ion Ratio Lower Upper
74 100
45 101.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.714 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

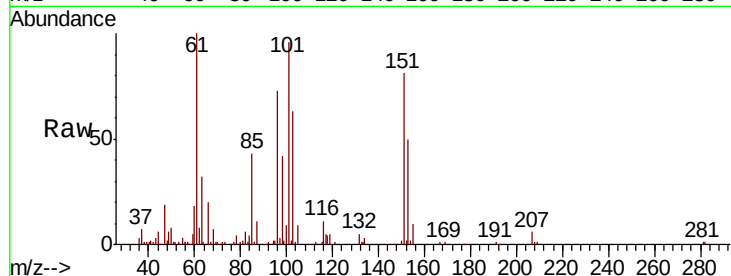
Tgt Ion:101 Resp: 70146

Ion Ratio Lower Upper

101 100

85 42.9 35.0 52.4

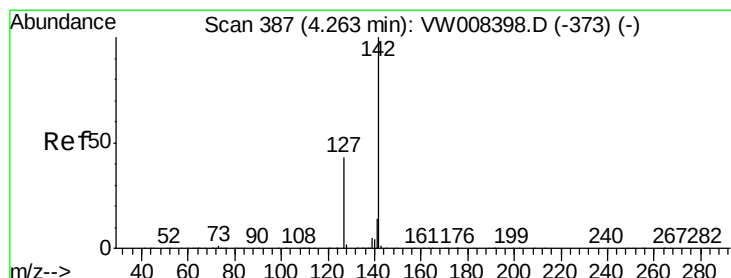
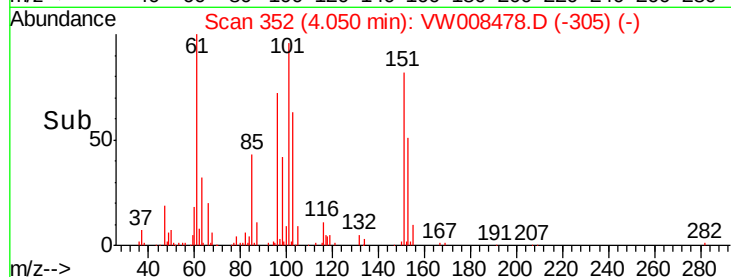
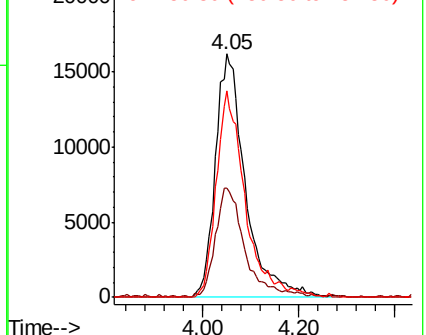
151 79.9 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.446 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

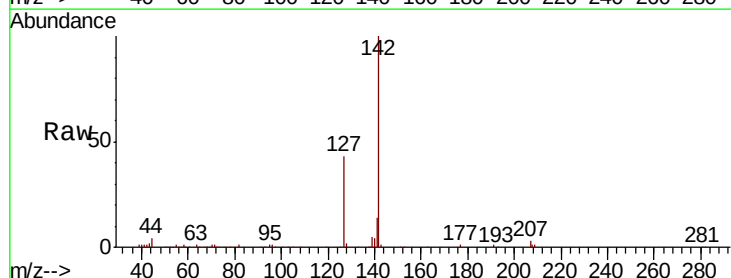
Tgt Ion:142 Resp: 109210

Ion Ratio Lower Upper

142 100

127 43.2 34.6 52.0

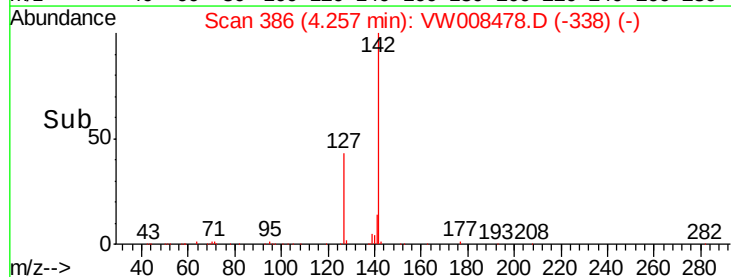
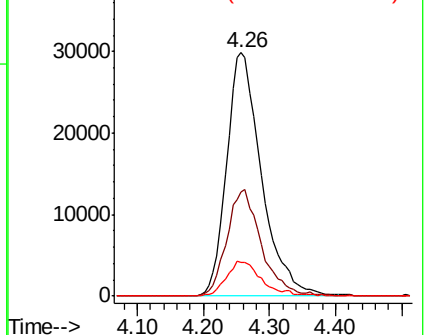
141 14.4 11.4 17.2

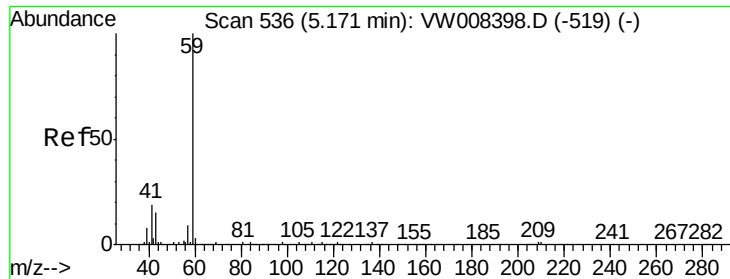


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

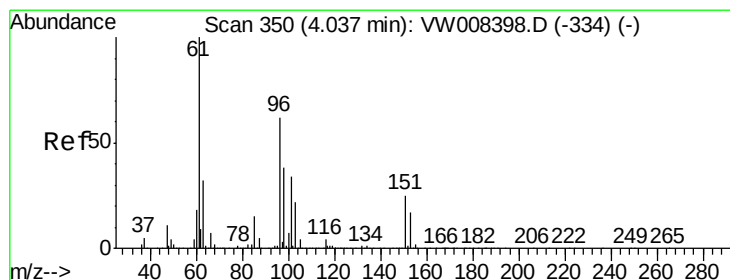
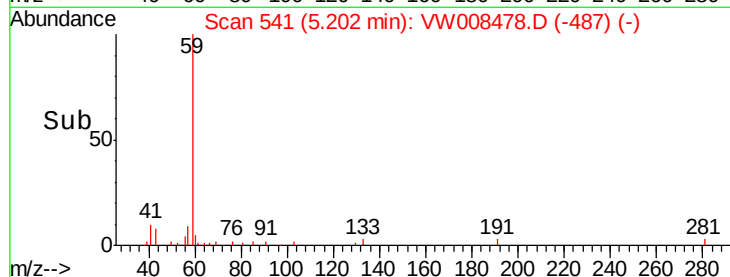
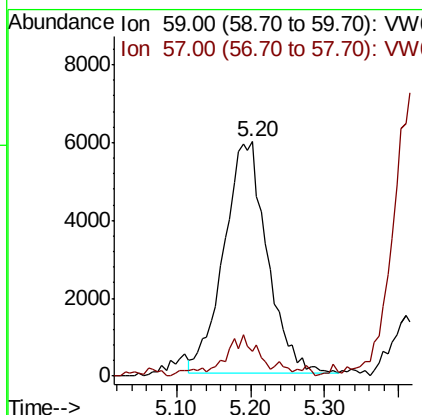
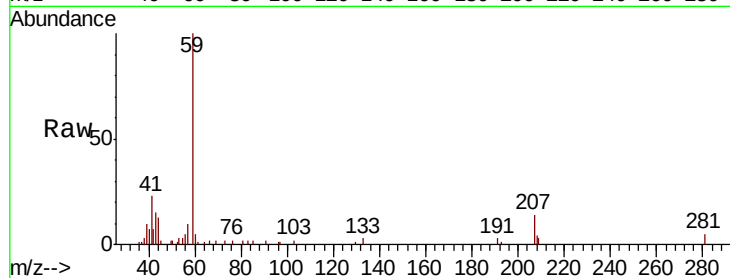




#11
Tert butyl alcohol
Concen: 74.207 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.03 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

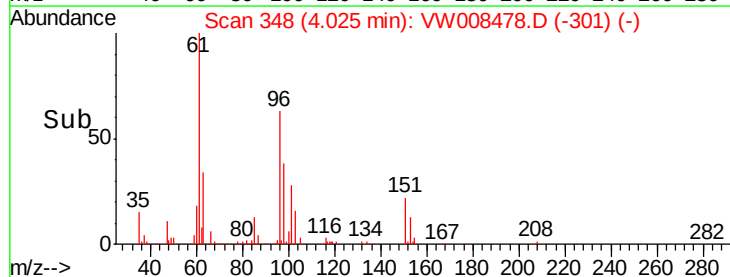
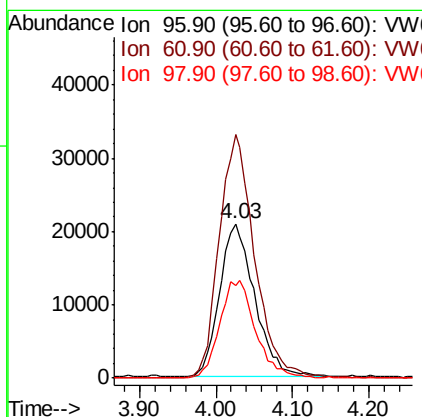
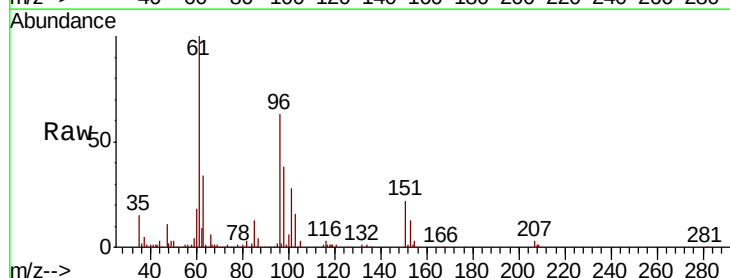
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

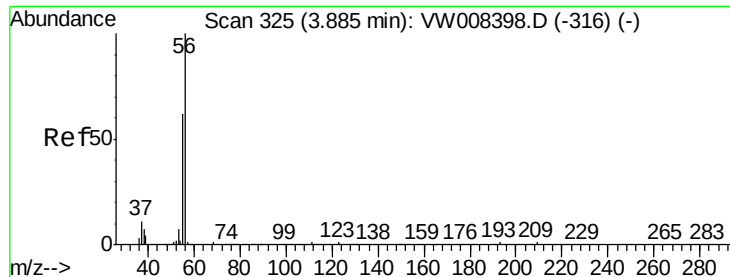
Tgt Ion: 59 Resp: 24324
Ion Ratio Lower Upper
59 100
57 9.7 9.3 13.9



#12
1,1-Dichloroethene
Concen: 17.546 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 96 Resp: 66559
Ion Ratio Lower Upper
96 100
61 158.2 129.5 194.3
98 60.2 48.6 73.0

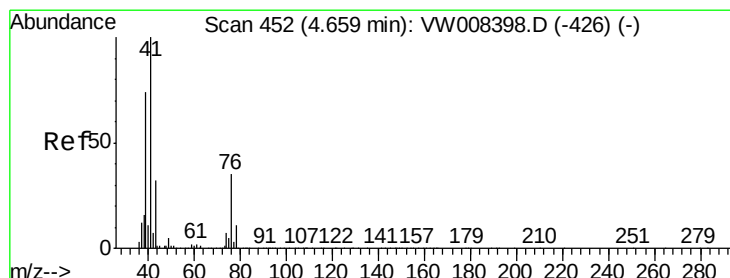
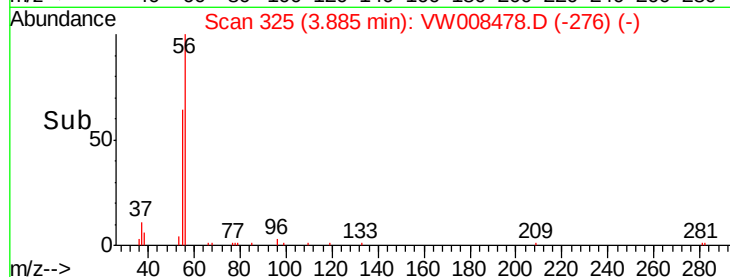
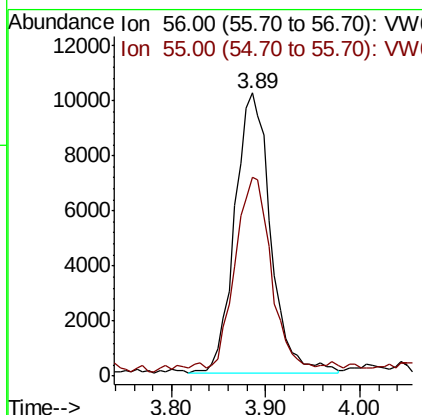
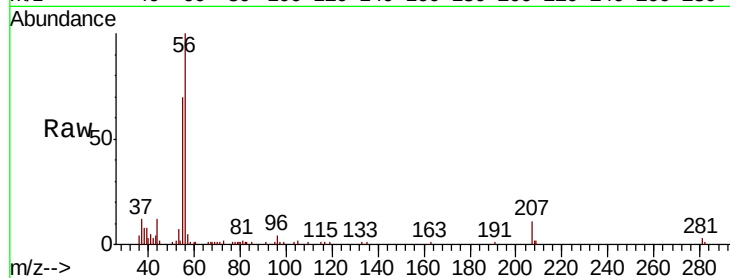




#13
Acrolein
Concen: 95.701 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

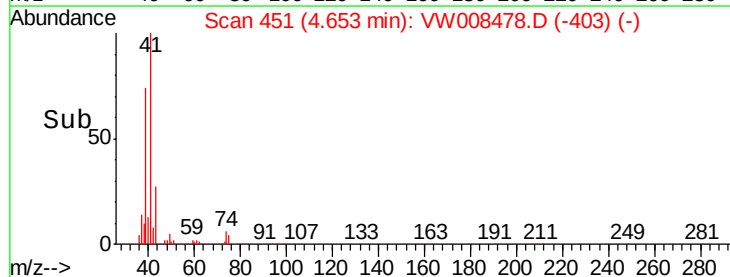
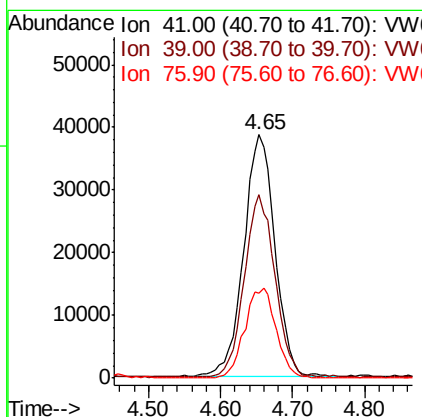
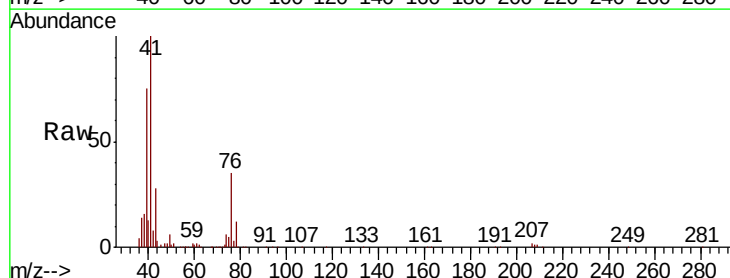
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

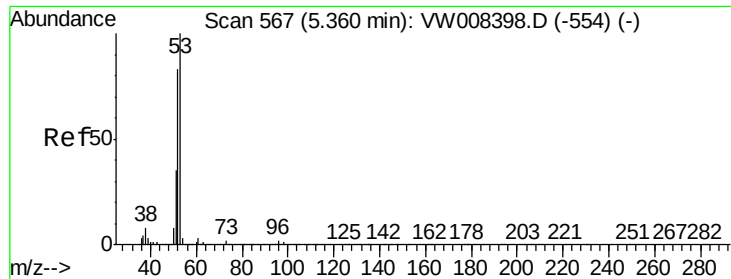
Tgt Ion: 56 Resp: 26917
Ion Ratio Lower Upper
56 100
55 66.7 56.7 85.1



#14
Allyl chloride
Concen: 16.030 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 41 Resp: 115467
Ion Ratio Lower Upper
41 100
39 73.7 57.7 86.5
76 37.5 26.9 40.3





#15

Acrylonitrile

Concen: 83.035 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

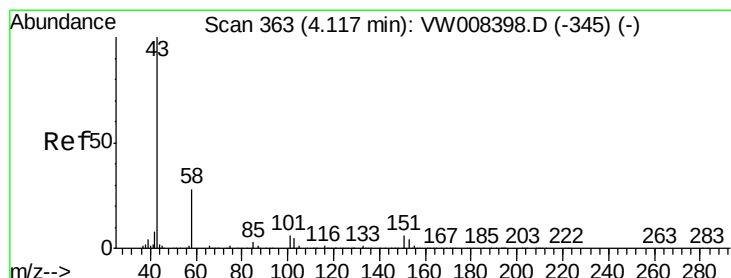
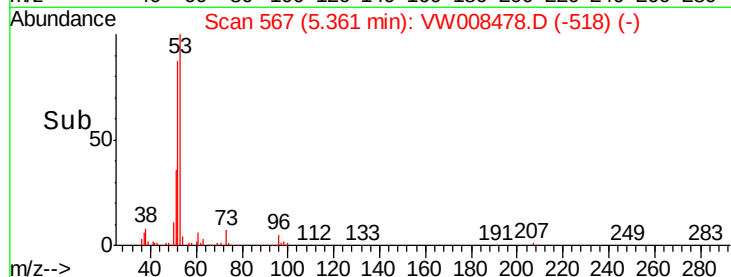
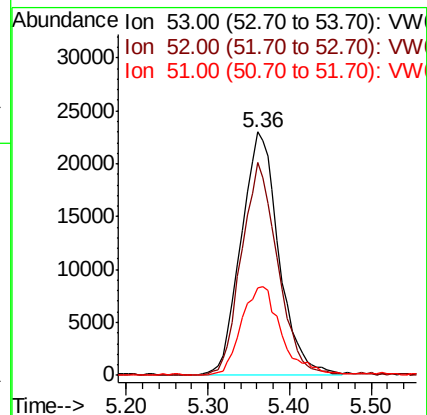
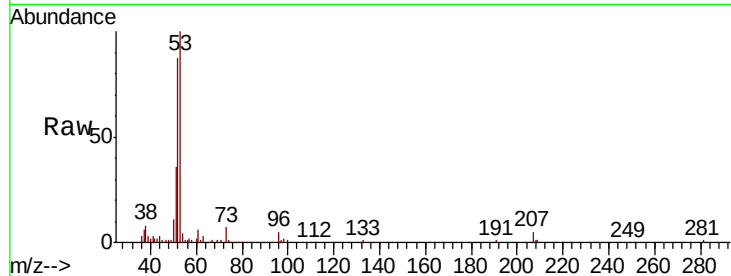
Tgt Ion: 53 Resp: 74102

Ion Ratio Lower Upper

53 100

52 83.7 67.0 100.4

51 38.8 29.8 44.8



#16

Acetone

Concen: 81.735 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008478.D

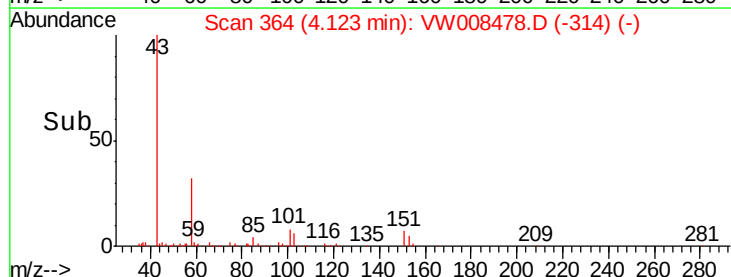
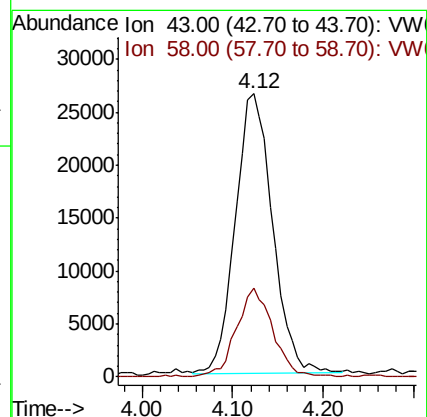
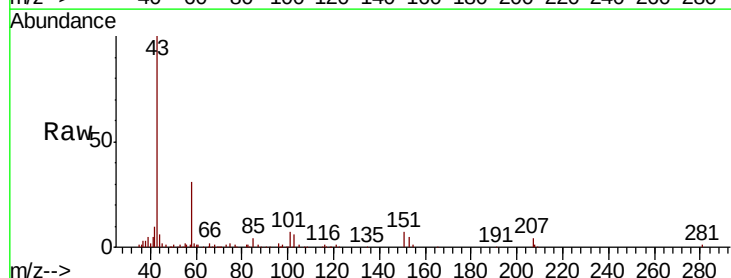
Acq: 01 Feb 2019 13:44

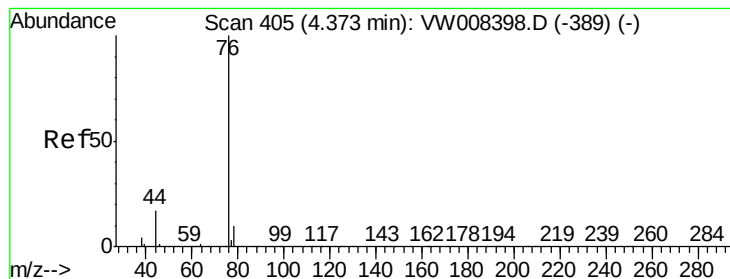
Tgt Ion: 43 Resp: 74728

Ion Ratio Lower Upper

43 100

58 31.6 22.6 34.0





#17

Carbon Disulfide

Concen: 16.719 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

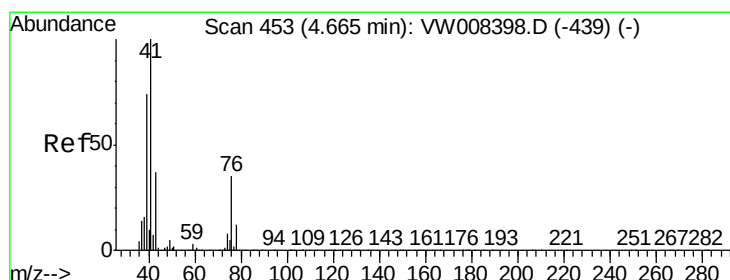
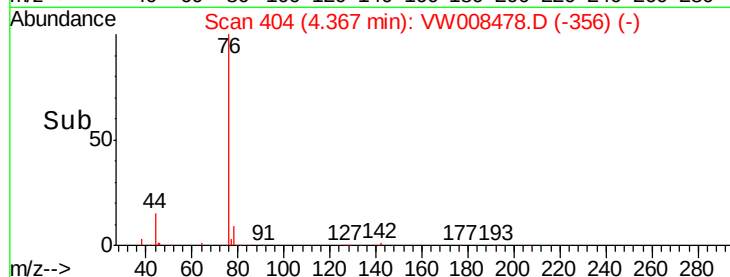
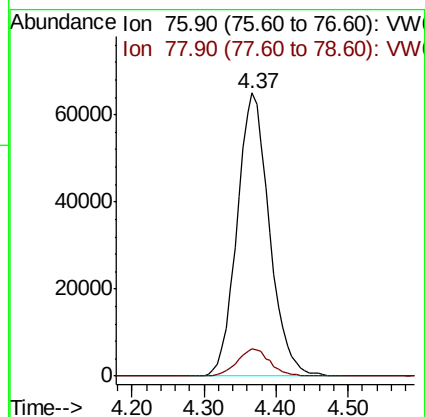
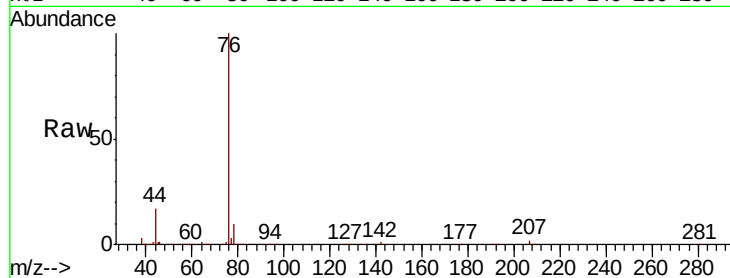
VW0201SBS01

Tgt Ion: 76 Resp: 202546

Ion Ratio Lower Upper

76 100

78 9.7 7.7 11.5



#18

Methyl Acetate

Concen: 16.287 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008478.D

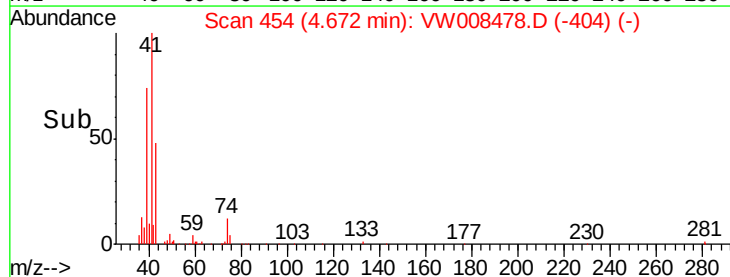
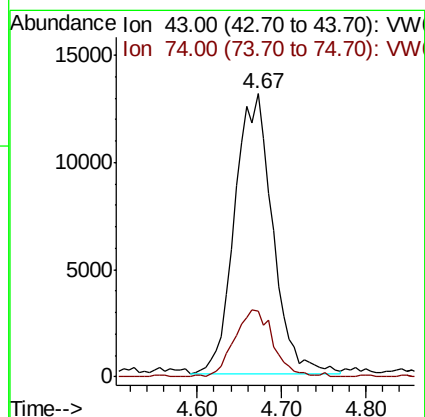
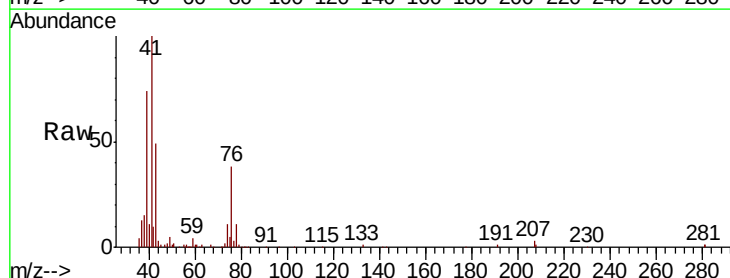
Acq: 01 Feb 2019 13:44

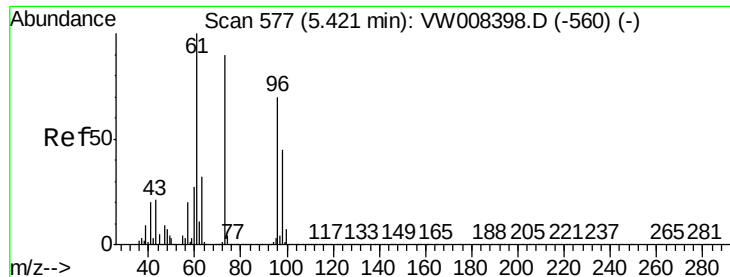
Tgt Ion: 43 Resp: 39716

Ion Ratio Lower Upper

43 100

74 24.5 17.5 26.3



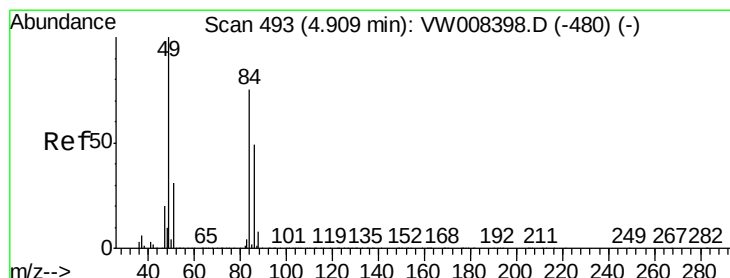
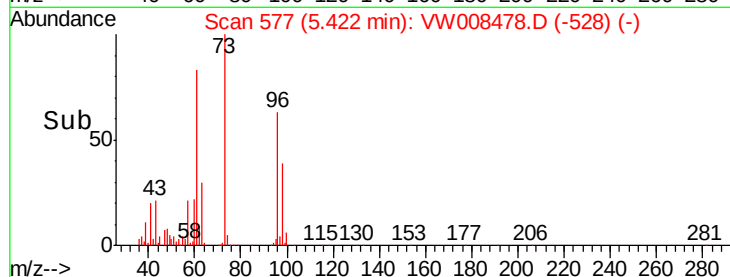
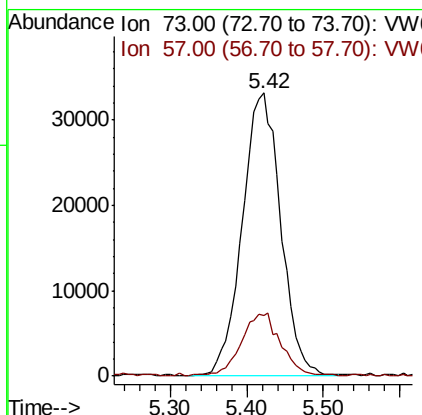
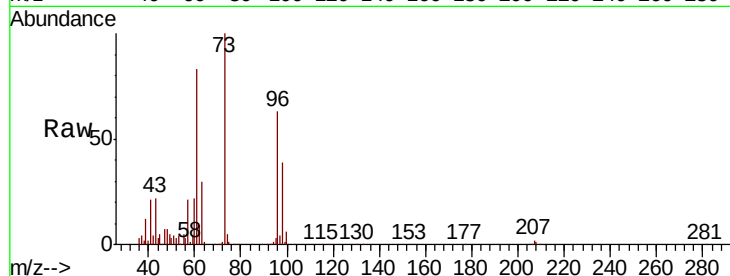


#19

Methyl tert-butyl Ether
 Concen: 18.453 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

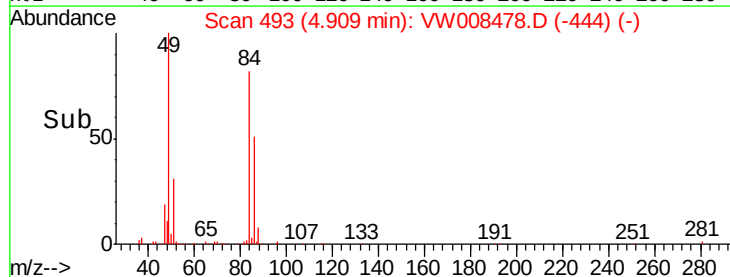
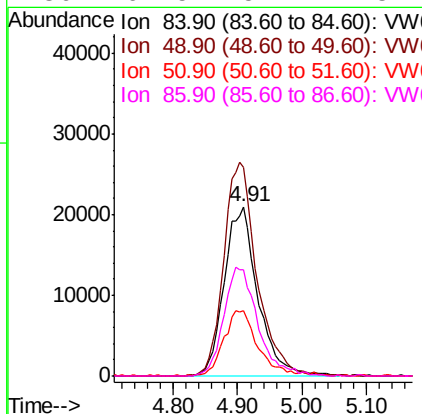
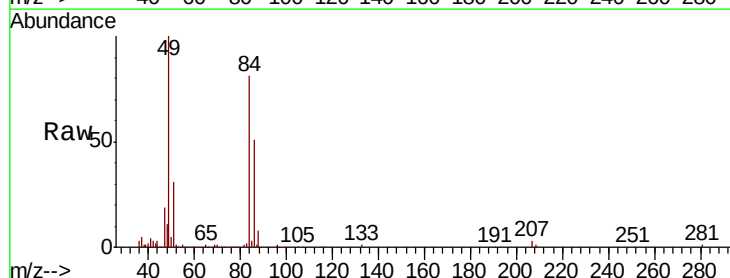
Tgt Ion: 73 Resp: 115812
 Ion Ratio Lower Upper
 73 100
 57 21.0 18.0 27.0

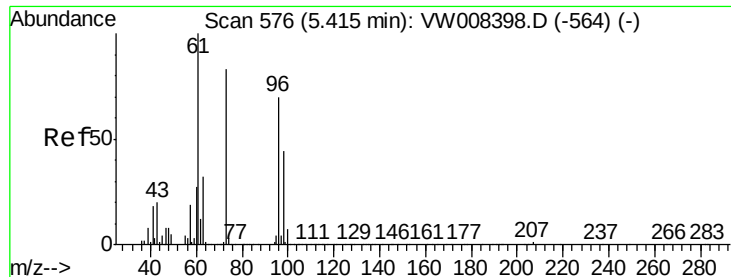


#20

Methylene Chloride
 Concen: 18.096 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion: 84 Resp: 76255
 Ion Ratio Lower Upper
 84 100
 49 122.5 106.8 160.2
 51 37.6 32.9 49.3
 86 62.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.414 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

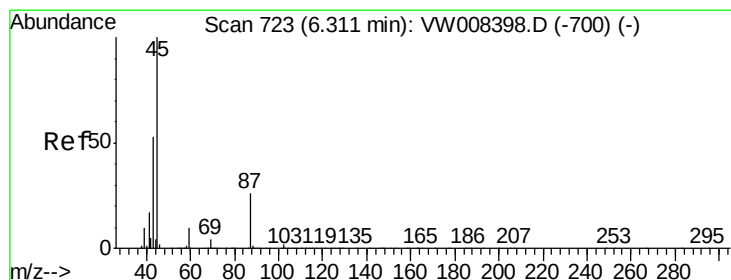
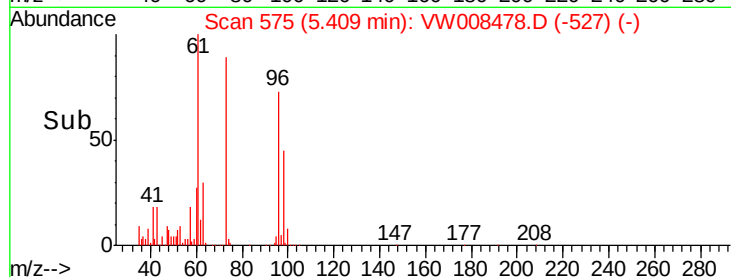
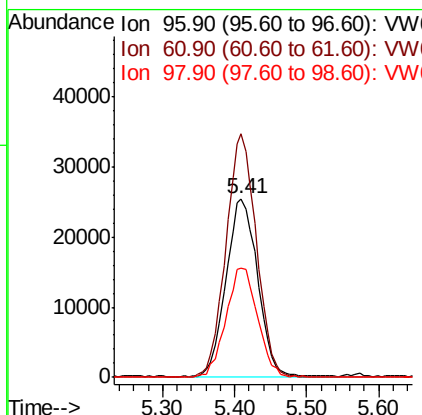
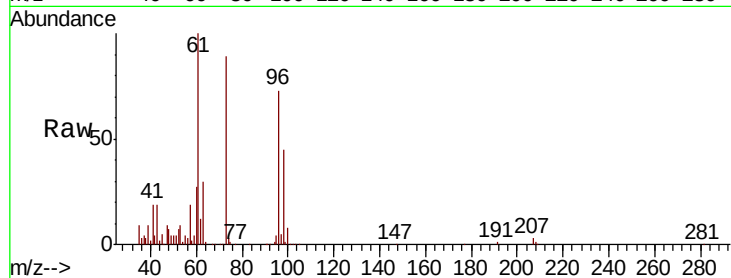
Tgt Ion: 96 Resp: 78527

Ion Ratio Lower Upper

96 100

61 136.4 114.4 171.6

98 61.0 50.6 75.8



#22

Diisopropyl ether

Concen: 16.114 ug/l

RT: 6.30 min Scan# 721

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion: 45 Resp: 219981

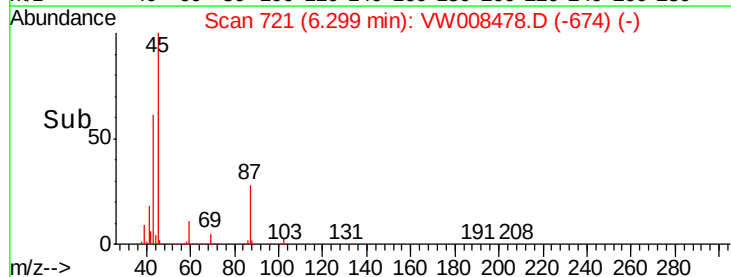
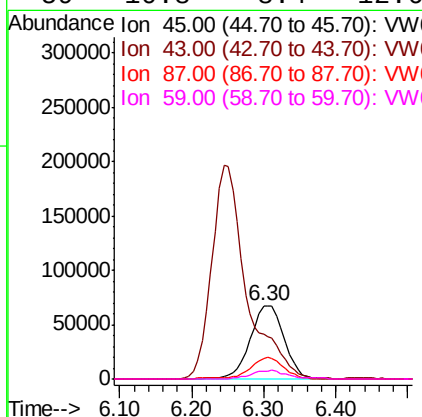
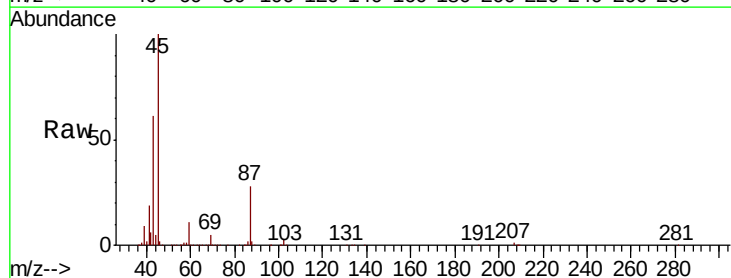
Ion Ratio Lower Upper

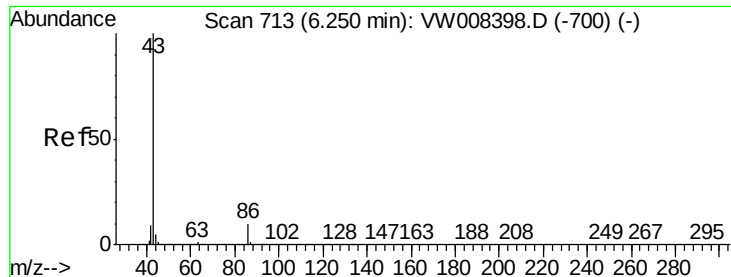
45 100

43 60.1 42.6 63.8

87 28.0 20.3 30.5

59 10.8 8.4 12.6





#23

Vinyl Acetate

Concen: 81.664 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

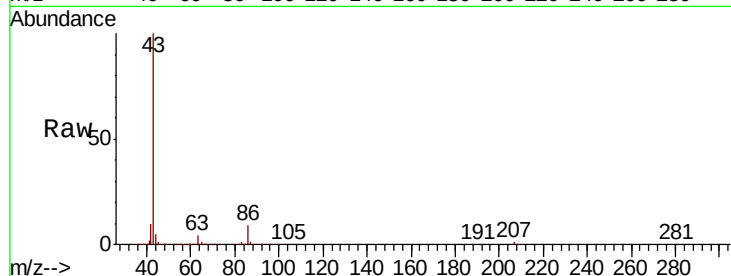
VW0201SBS01

Tgt Ion: 43 Resp: 658286

Ion Ratio Lower Upper

43 100

86 9.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

200000

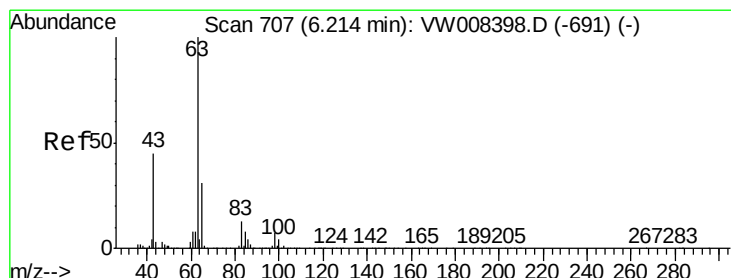
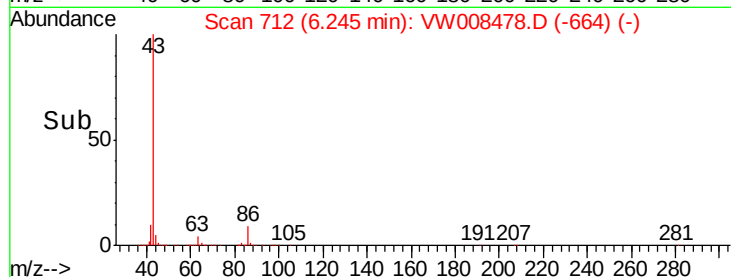
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.088 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

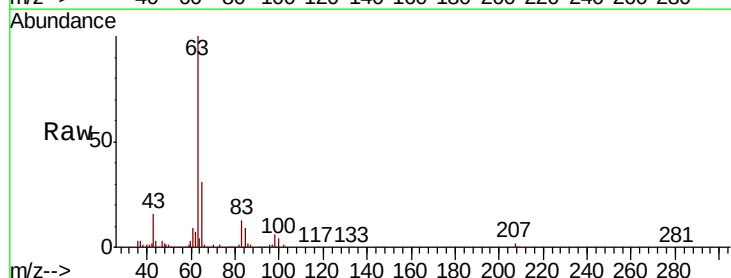
Tgt Ion: 63 Resp: 132041

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.4 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.20

60000

50000

40000

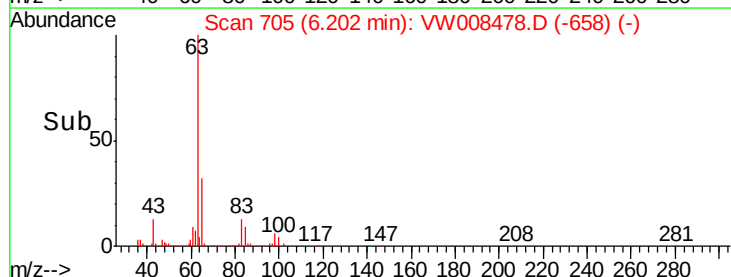
30000

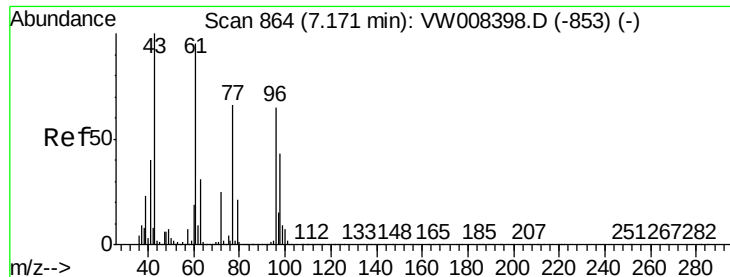
20000

10000

0

Time-->





#25

2-Butanone

Concen: 81.470 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

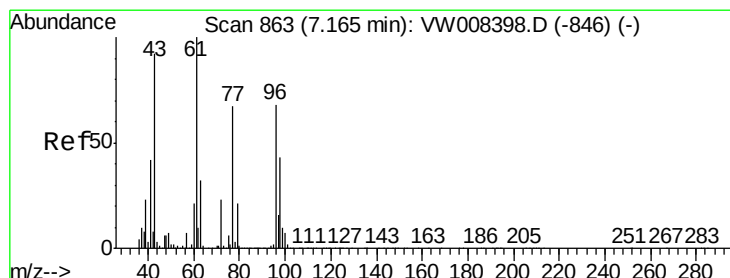
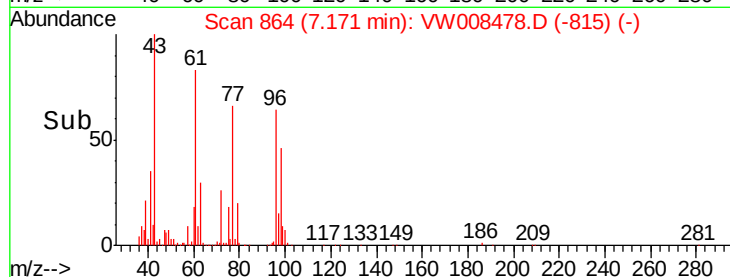
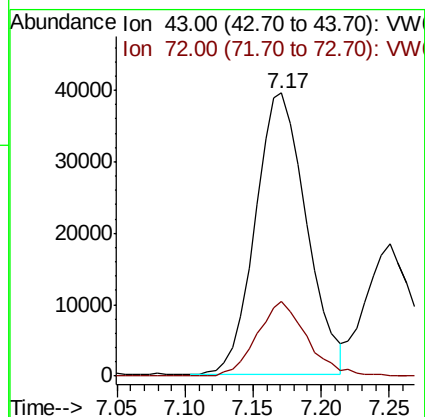
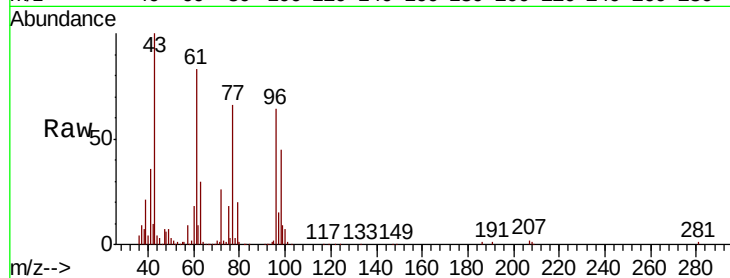
VW0201SBS01

Tgt Ion: 43 Resp: 103459

Ion Ratio Lower Upper

43 100

72 26.5 20.1 30.1



#26

2,2-Dichloropropane

Concen: 18.228 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008478.D

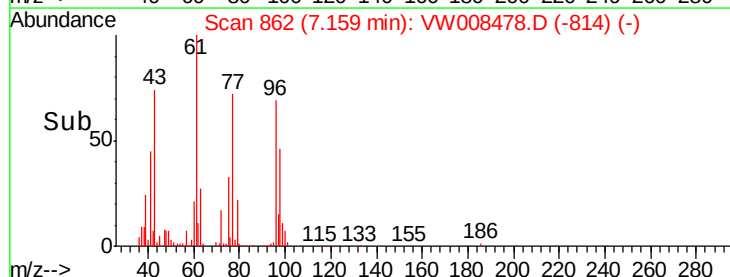
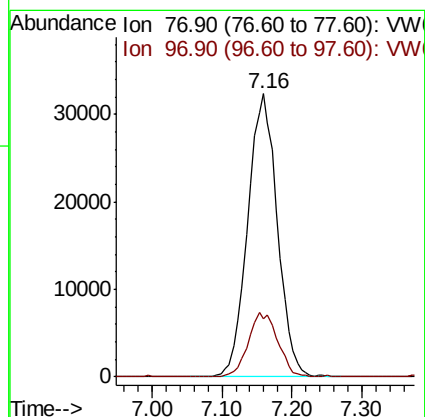
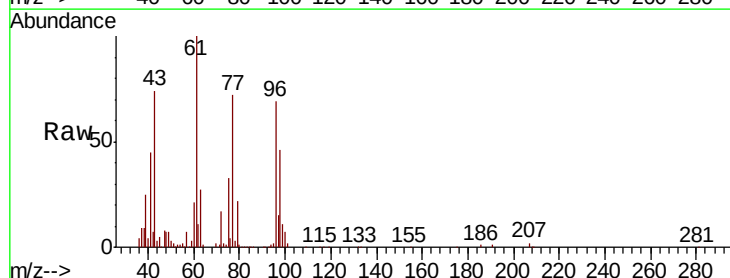
Acq: 01 Feb 2019 13:44

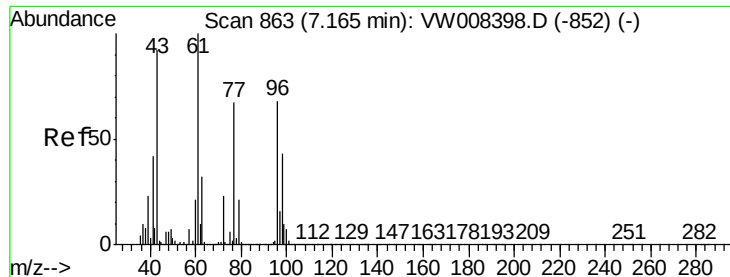
Tgt Ion: 77 Resp: 95210

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5



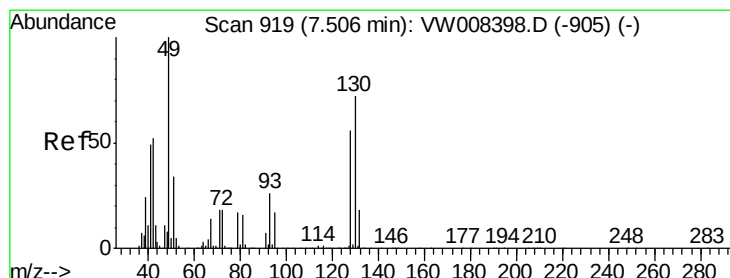
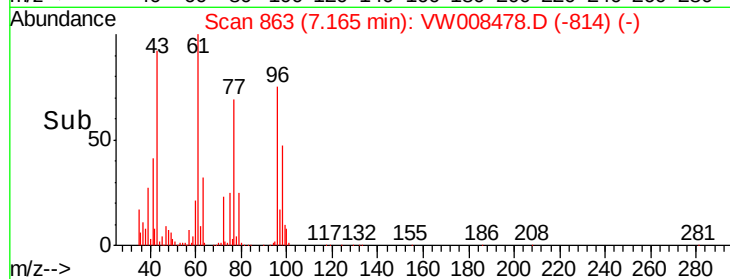
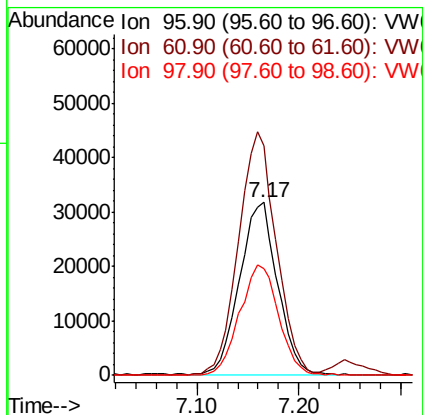
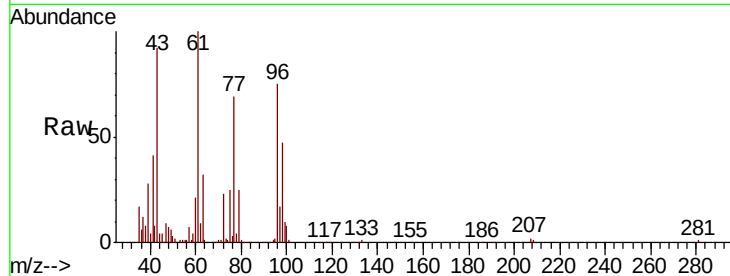


#27

cis-1,2-Dichloroethene
Concen: 17.667 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

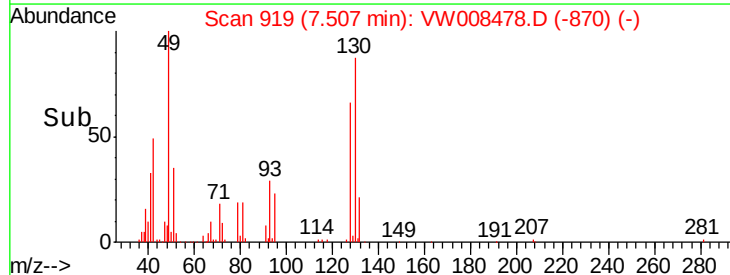
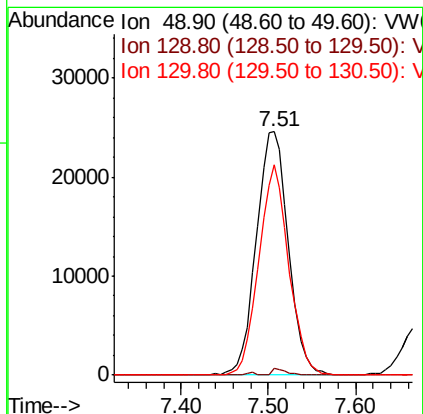
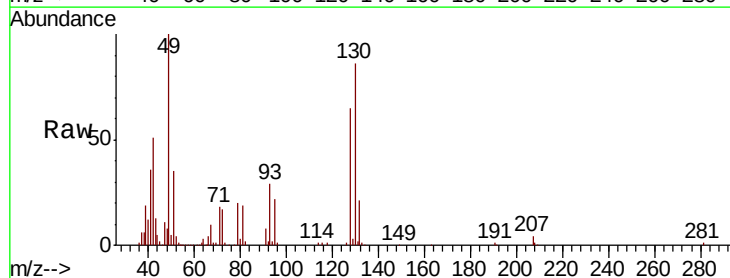
Tgt Ion: 96 Resp: 82109
Ion Ratio Lower Upper
96 100
61 140.5 0.0 292.8
98 65.8 0.0 129.2

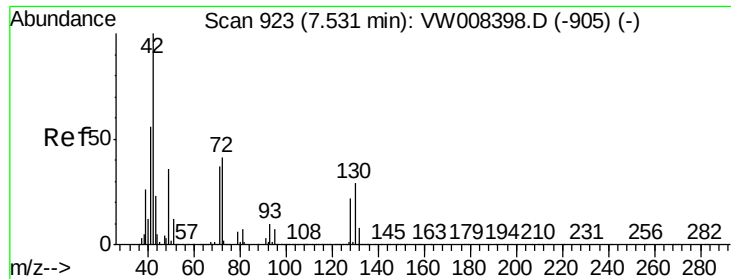


#28

Bromochloromethane
Concen: 17.677 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 49 Resp: 62738
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.6
130 80.7 58.6 87.8





#29

Tetrahydrofuran

Concen: 79.748 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

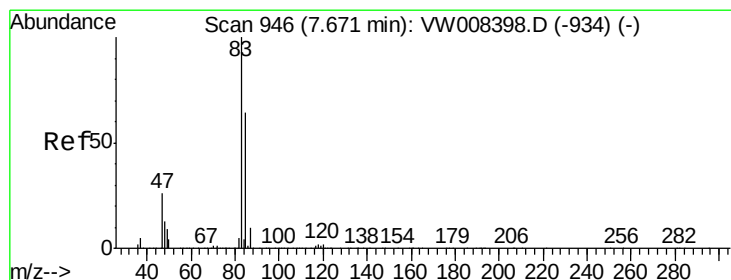
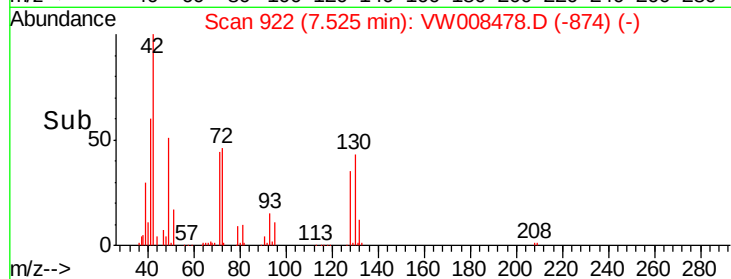
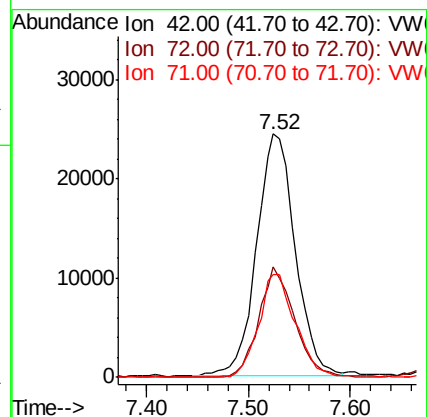
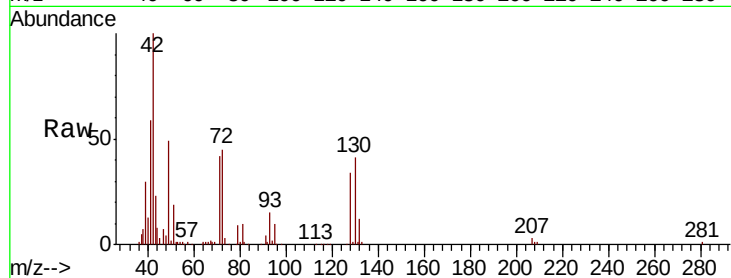
Tgt Ion: 42 Resp: 64176

Ion Ratio Lower Upper

42 100

72 42.4 31.9 47.9

71 40.8 29.9 44.9



#30

Chloroform

Concen: 17.277 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008478.D

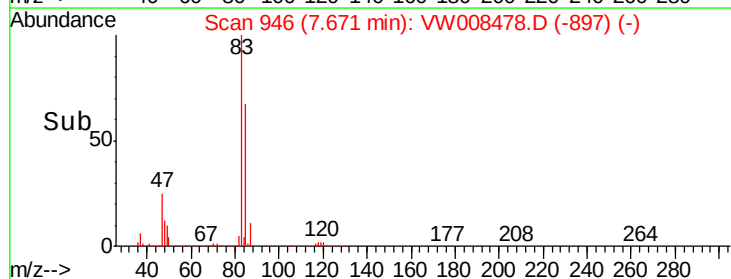
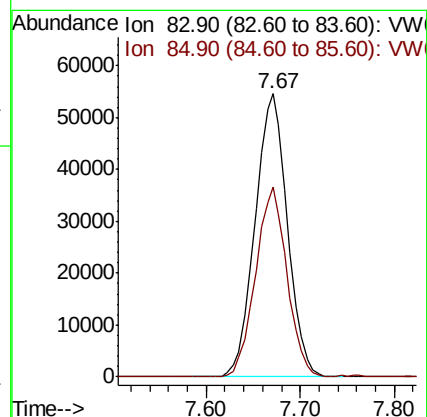
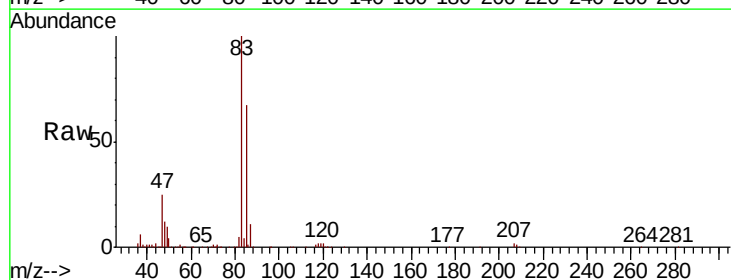
Acq: 01 Feb 2019 13:44

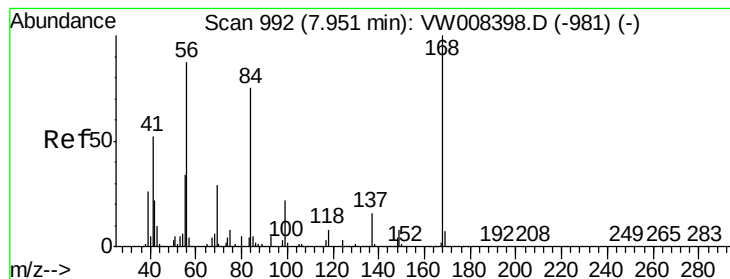
Tgt Ion: 83 Resp: 131317

Ion Ratio Lower Upper

83 100

85 67.1 50.9 76.3





#31

Cyclohexane

Concen: 16.309 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

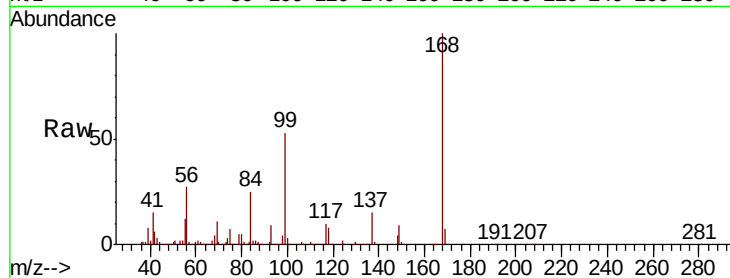
Tgt Ion: 56 Resp: 130310

Ion Ratio Lower Upper

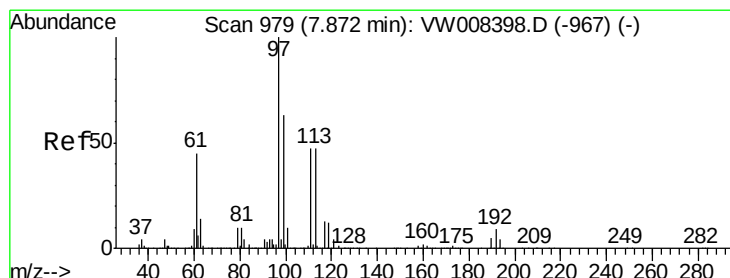
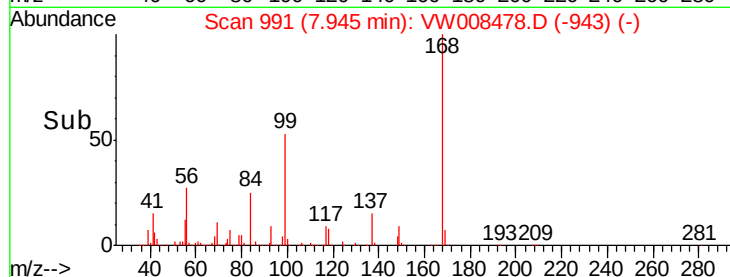
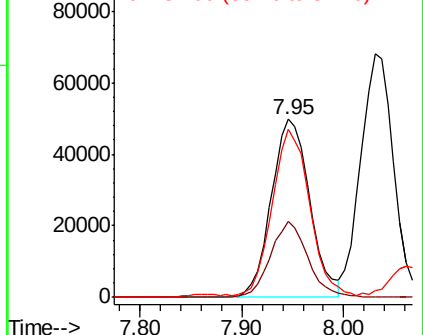
56 100

69 42.5 26.4 39.6#

84 93.8 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: 18.009 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

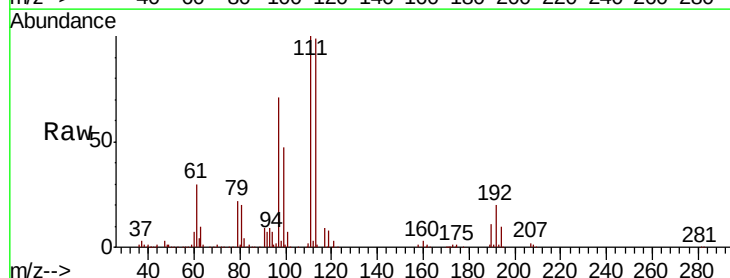
Tgt Ion: 97 Resp: 118226

Ion Ratio Lower Upper

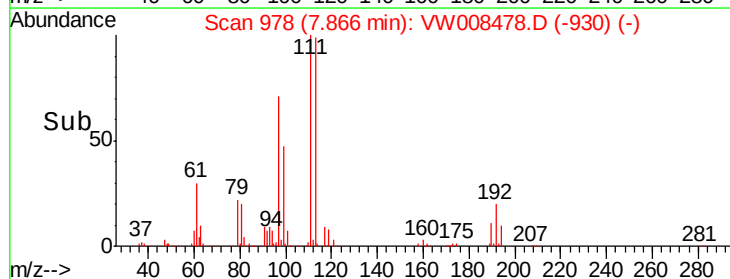
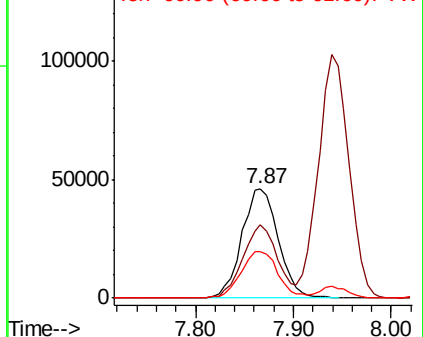
97 100

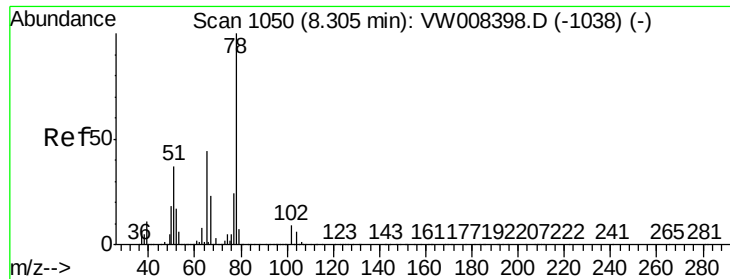
99 64.8 51.3 76.9

61 43.7 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

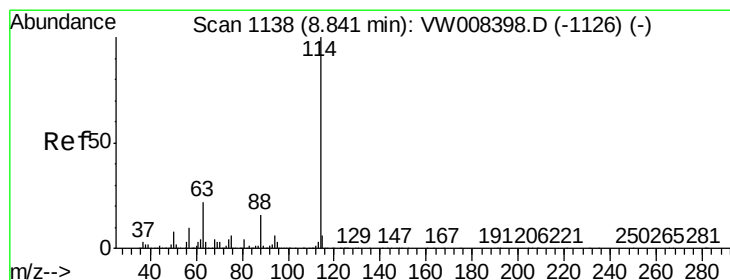
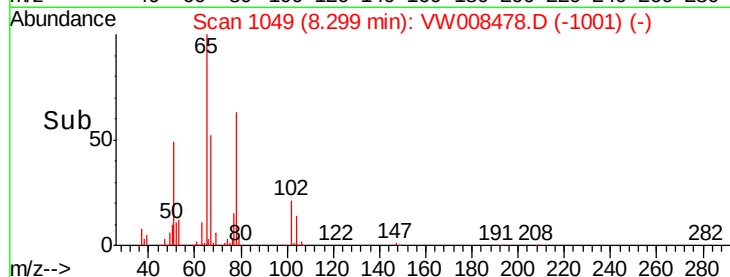
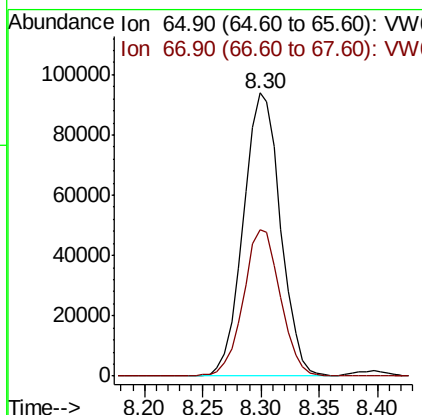
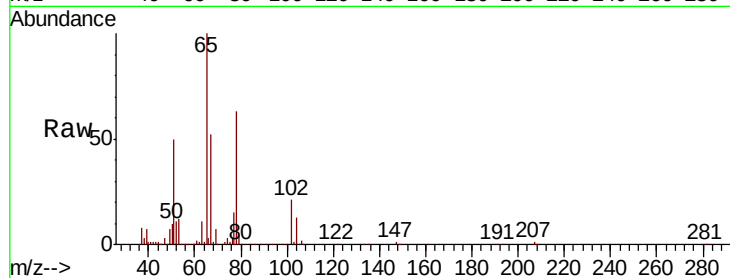




#33
 1,2-Dichloroethane-d4
 Concen: 51.268 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

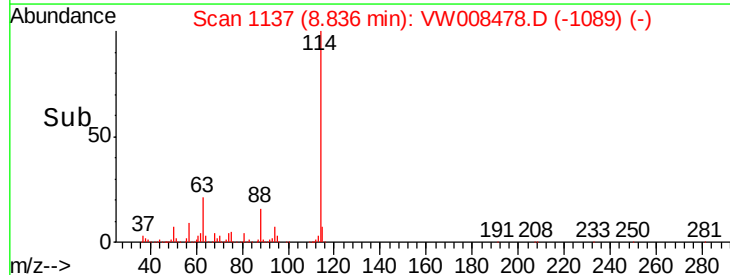
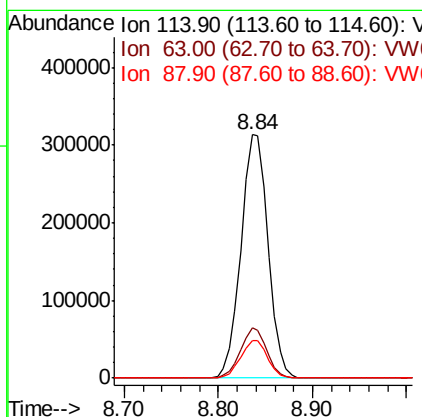
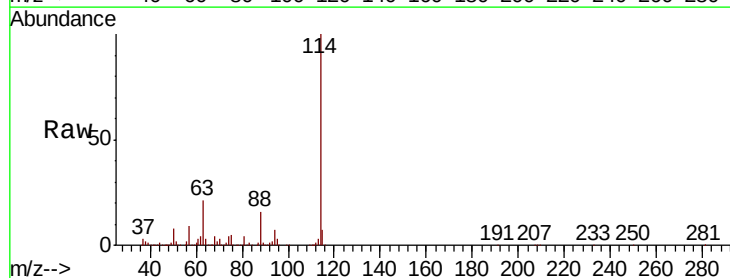
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

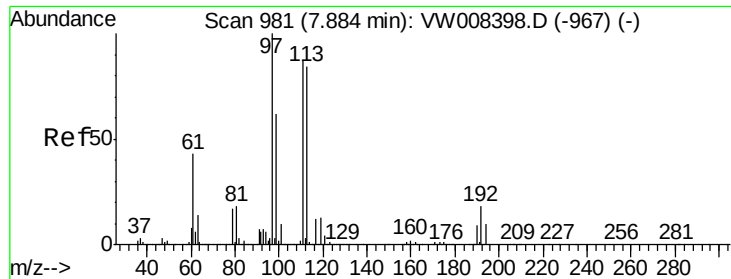
Tgt Ion: 65 Resp: 208726
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion: 114 Resp: 628615
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.6
 88 15.5 0.0 31.8

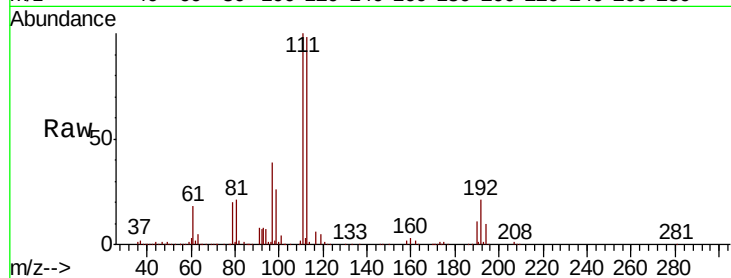




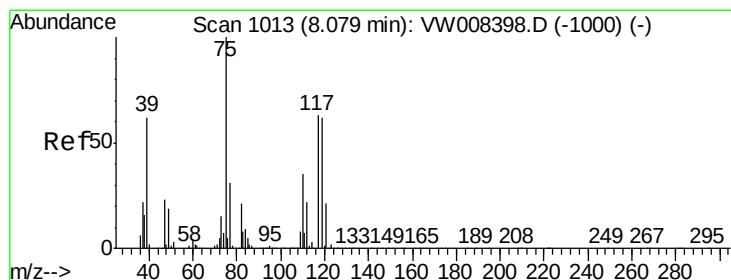
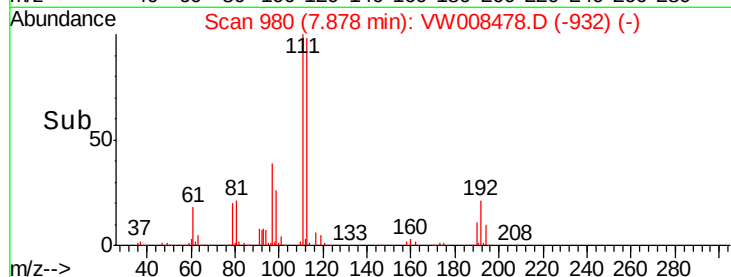
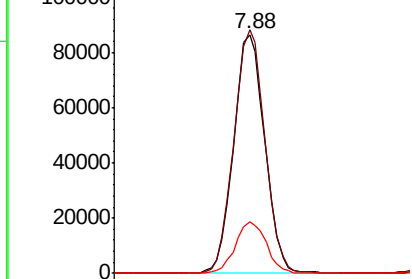
#35
 Dibromofluoromethane
 Concen: 55.882 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.4
192	21.6	16.8	25.2

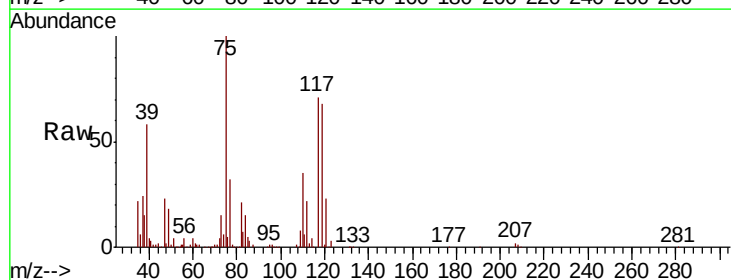


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

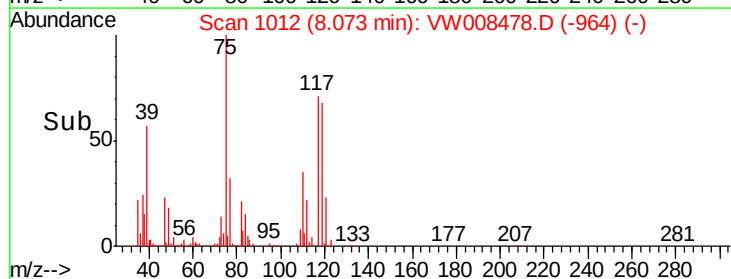
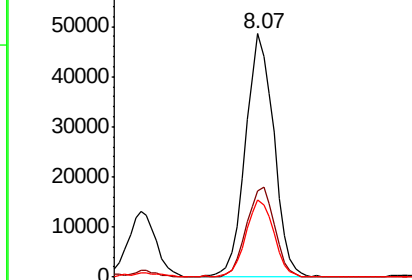


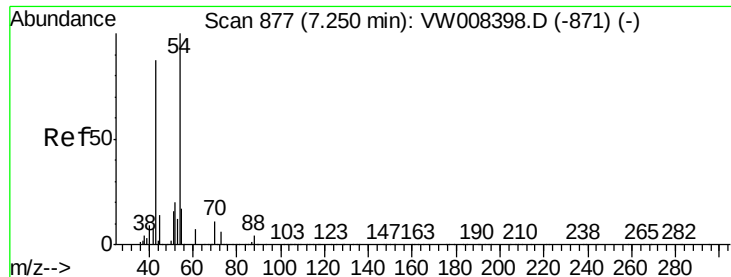
#36
 1,1-Dichloropropene
 Concen: 18.446 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.3	52.0
77	31.2	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: 17.544 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

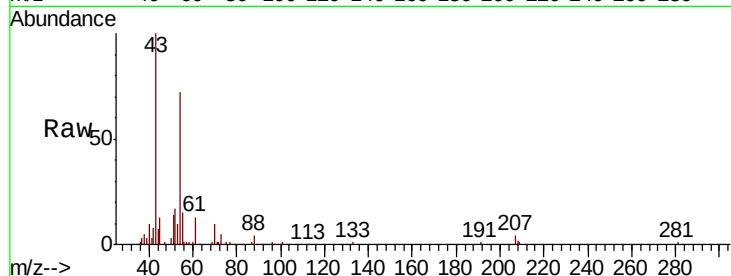
Tgt Ion: 43 Resp: 46090

Ion Ratio Lower Upper

43 100

61 14.2 10.1 15.1

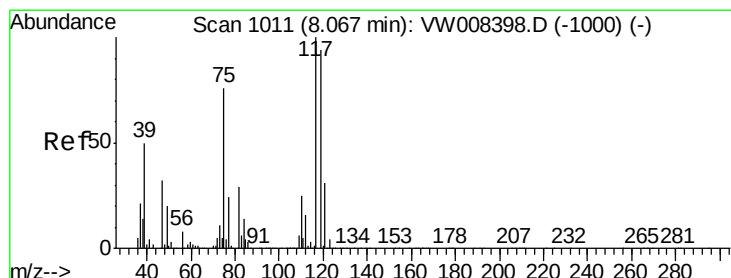
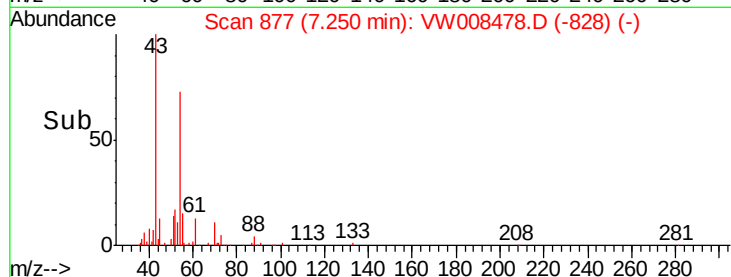
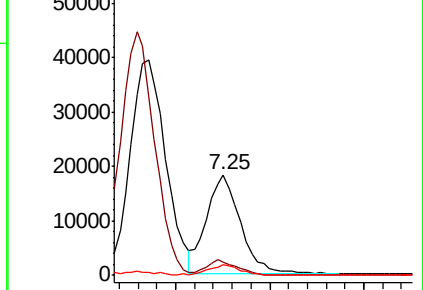
70 10.1 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 19.188 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

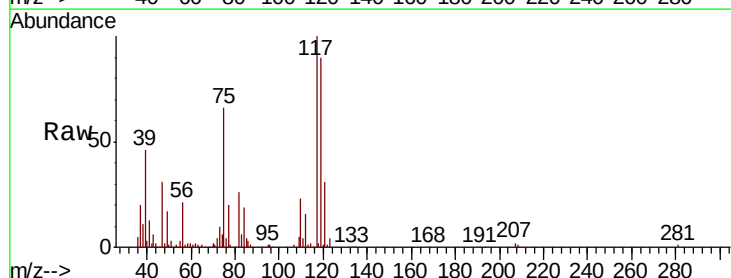
Tgt Ion: 117 Resp: 114655

Ion Ratio Lower Upper

117 100

119 90.4 75.0 112.4

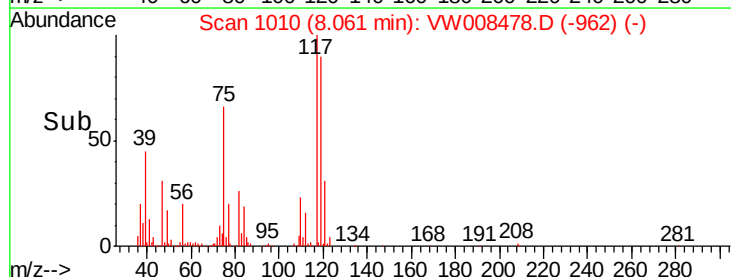
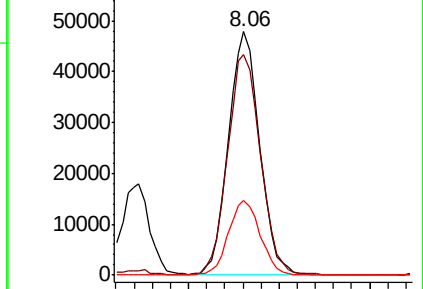
121 30.6 24.9 37.3

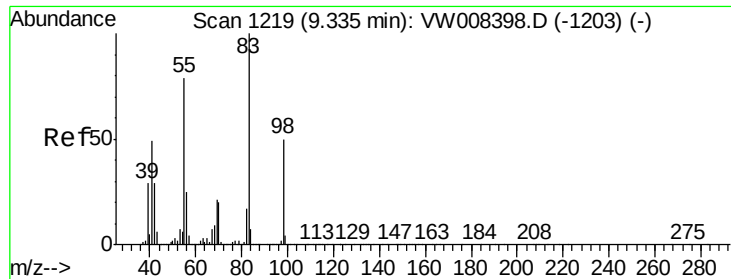


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

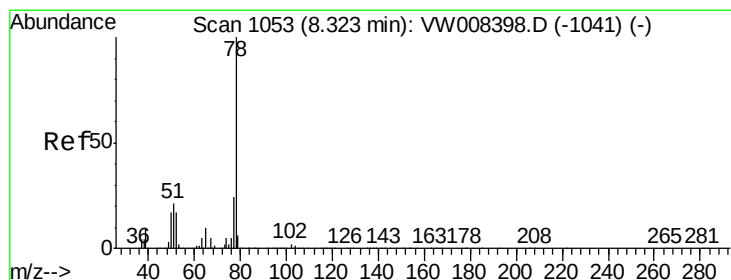
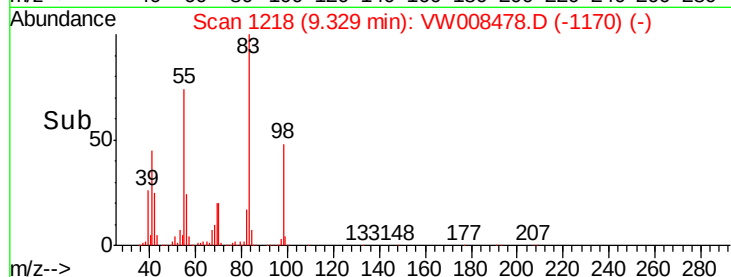
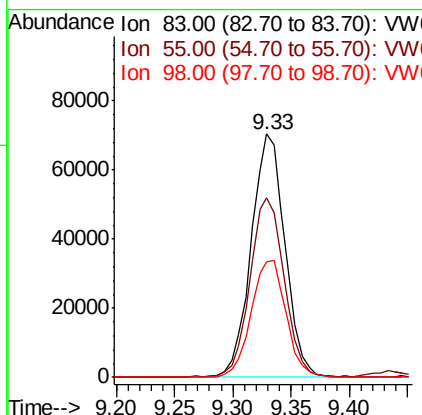
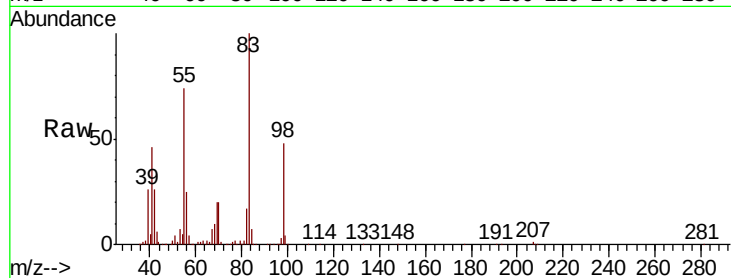




#39
Methylcyclohexane
Concen: 18.296 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

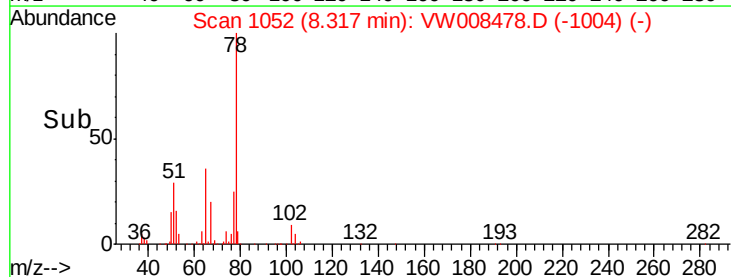
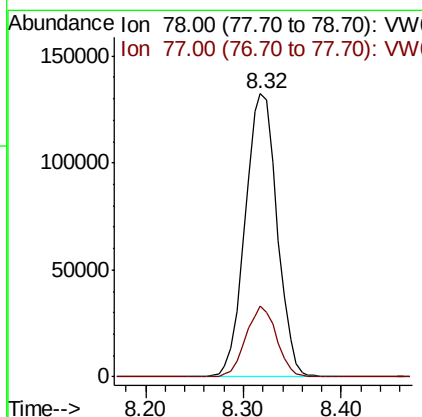
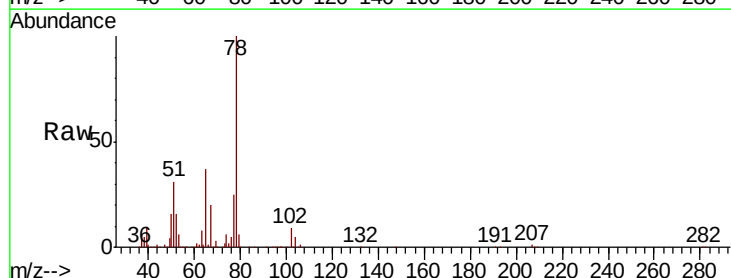
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

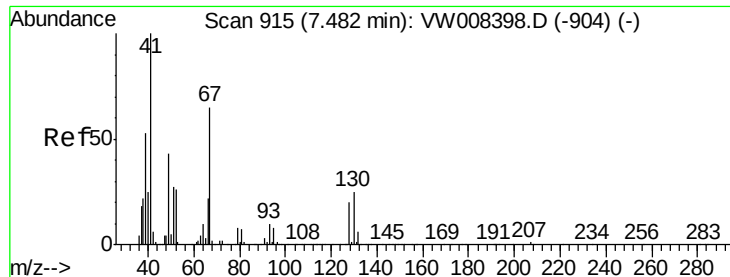
Tgt Ion: 83 Resp: 142718
Ion Ratio Lower Upper
83 100
55 73.7 63.3 94.9
98 47.6 39.7 59.5



#40
Benzene
Concen: 18.167 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 78 Resp: 299343
Ion Ratio Lower Upper
78 100
77 25.1 19.0 28.6

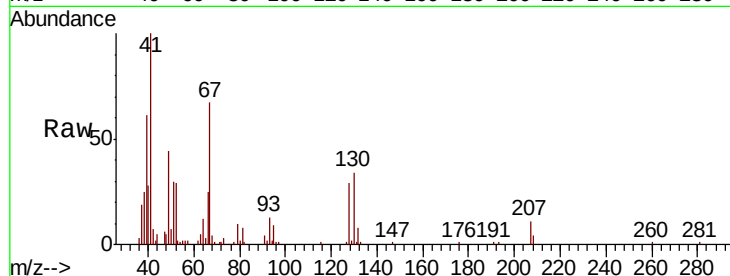




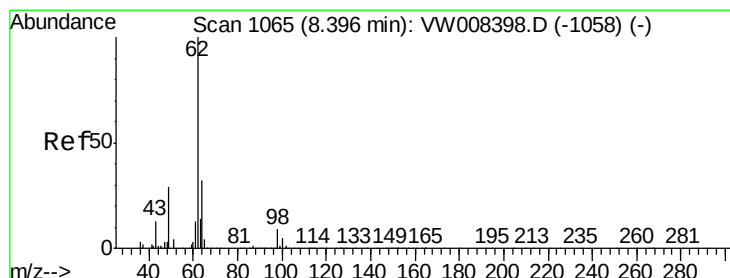
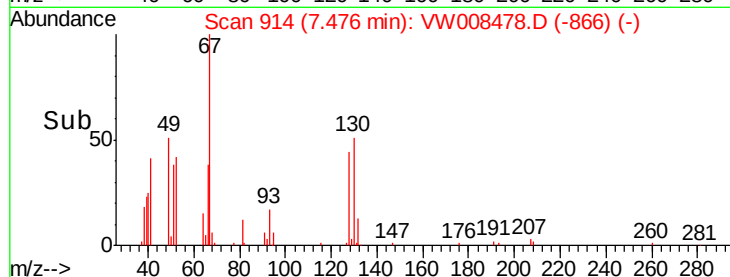
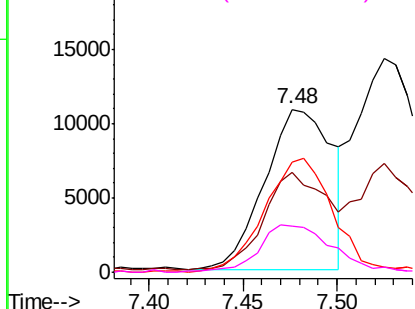
#41
Methacrylonitrile
Concen: 17.219 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tgt Ion:	41	Resp:	26786
Ion	Ratio	Lower	Upper
41	100		
39	57.9	43.4	65.0
67	72.9	54.2	81.2
52	32.1	22.9	34.3

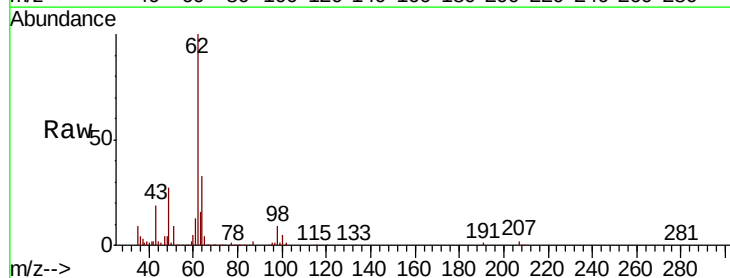


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

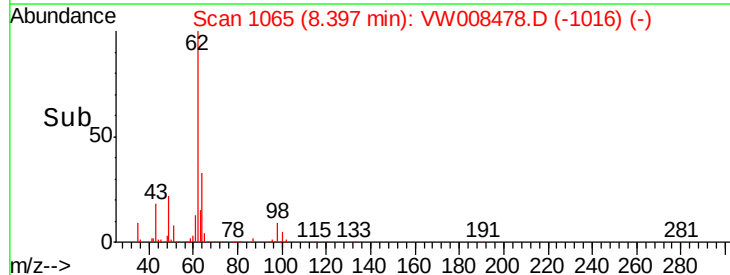
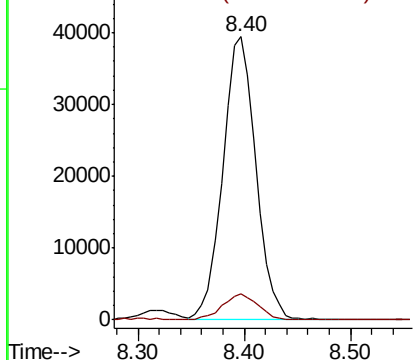


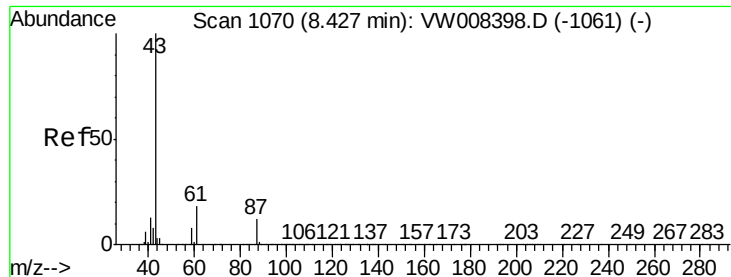
#42
1,2-Dichloroethane
Concen: 17.952 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion:	62	Resp:	85722
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6



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

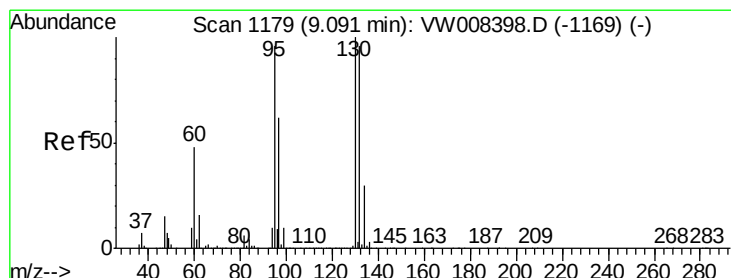
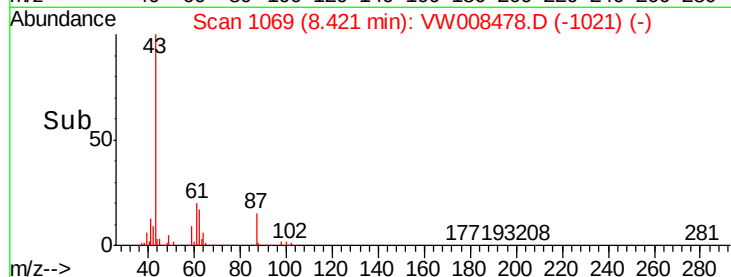
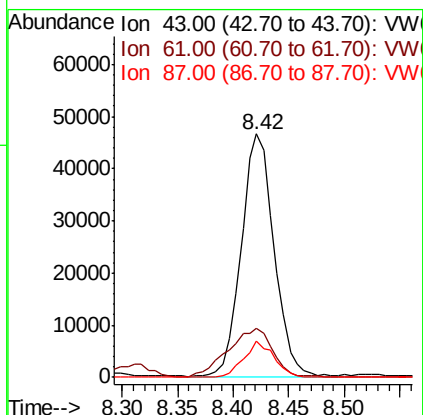
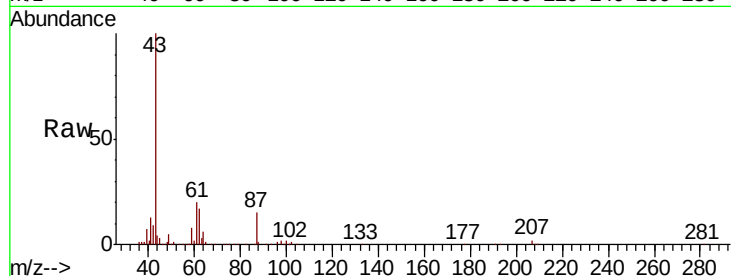




#43
Isopropyl Acetate
Concen: 17.339 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

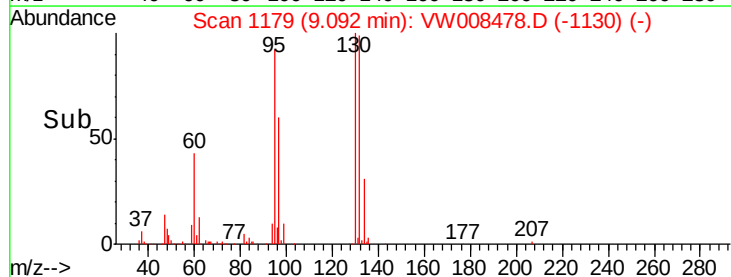
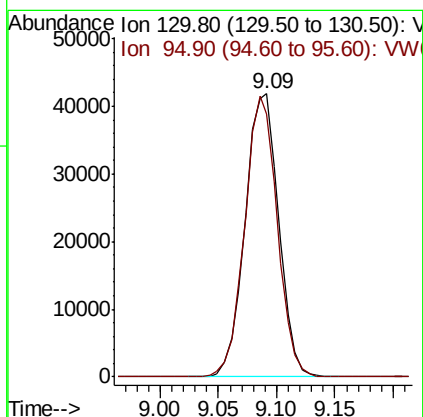
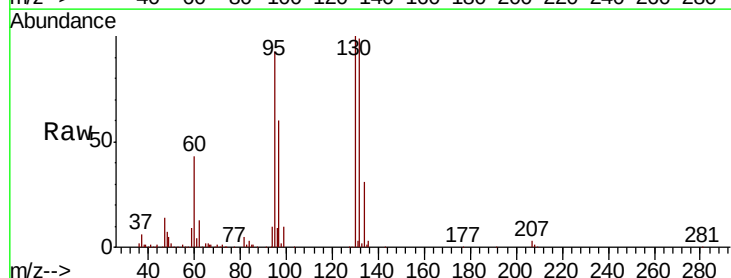
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

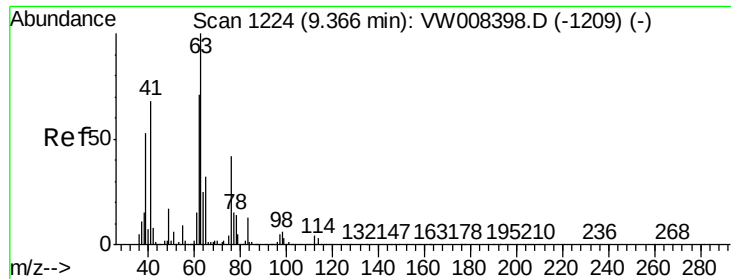
Tgt Ion: 43 Resp: 94635
Ion Ratio Lower Upper
43 100
61 27.8 22.0 33.0
87 14.0 9.3 13.9#



#44
Trichloroethene
Concen: 18.834 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 130 Resp: 84389
Ion Ratio Lower Upper
130 100
95 92.7 0.0 191.6





#45

1,2-Dichloropropane

Concen: 17.698 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

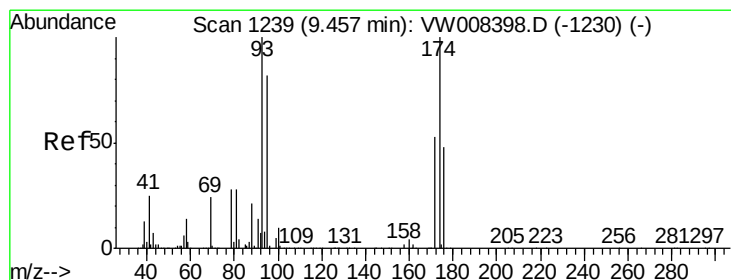
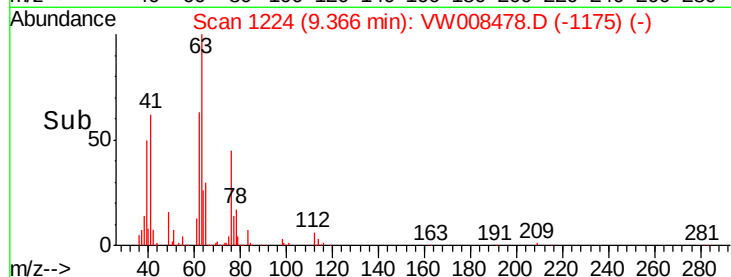
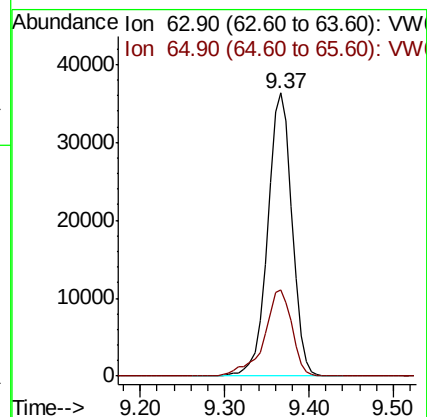
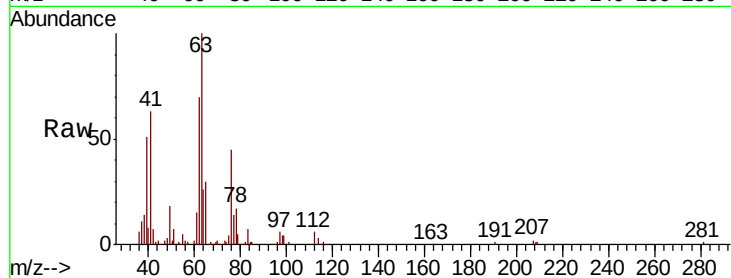
VW0201SBS01

Tgt Ion: 63 Resp: 72712

Ion Ratio Lower Upper

63 100

65 30.4 25.2 37.8



#46

Dibromomethane

Concen: 18.468 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

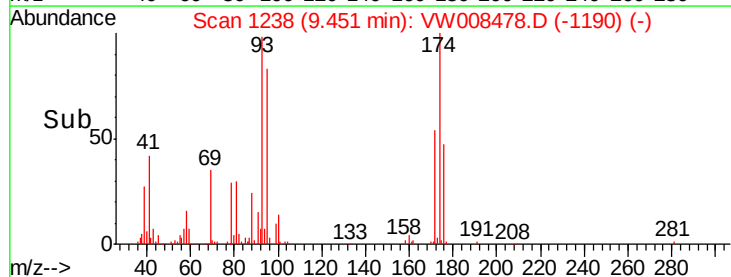
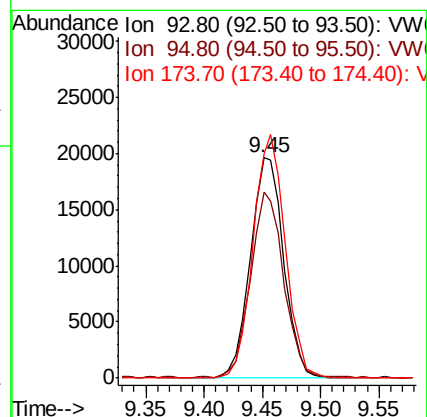
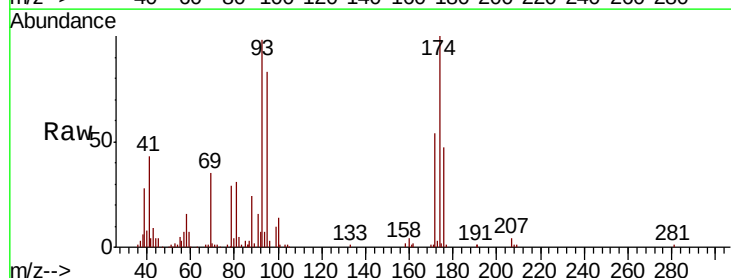
Tgt Ion: 93 Resp: 39025

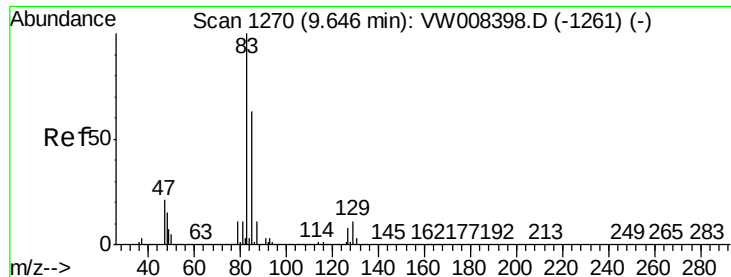
Ion Ratio Lower Upper

93 100

95 84.2 65.9 98.9

174 106.6 81.0 121.6

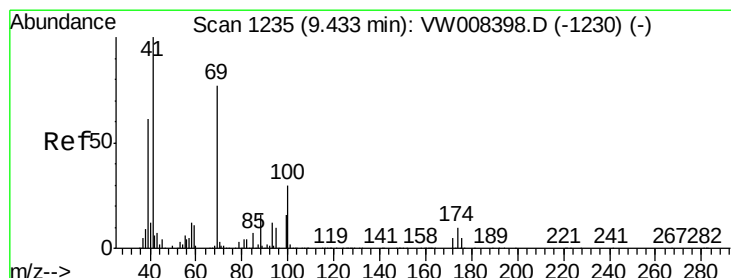
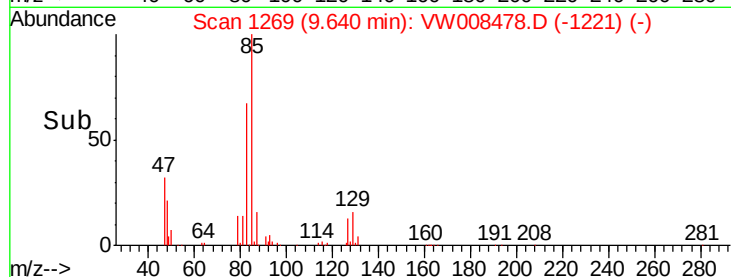
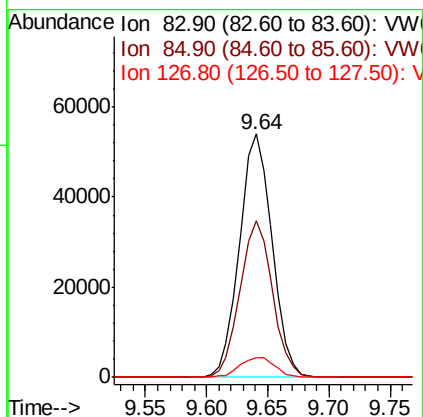
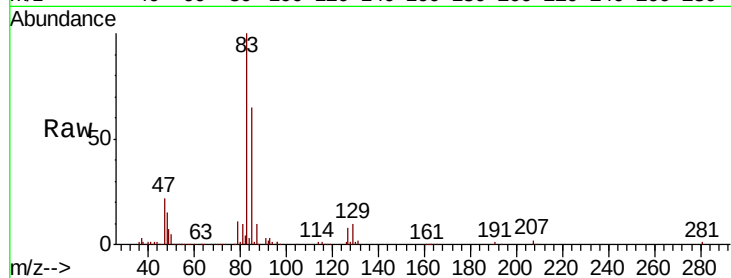




#47
Bromodichloromethane
Concen: 17.820 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

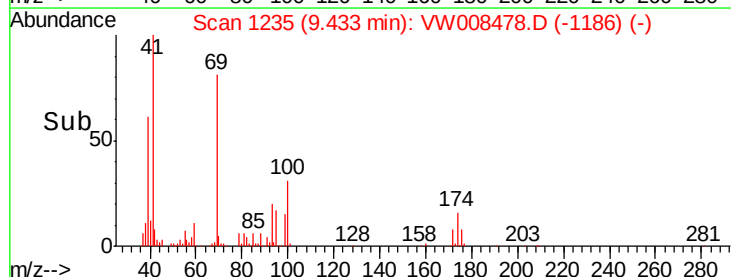
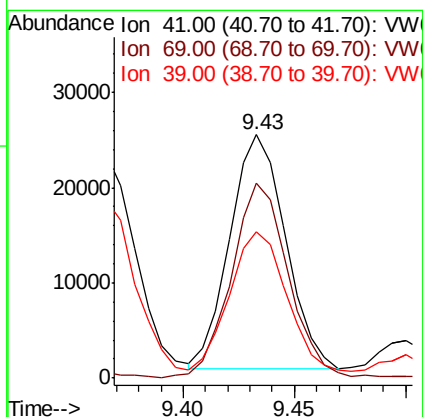
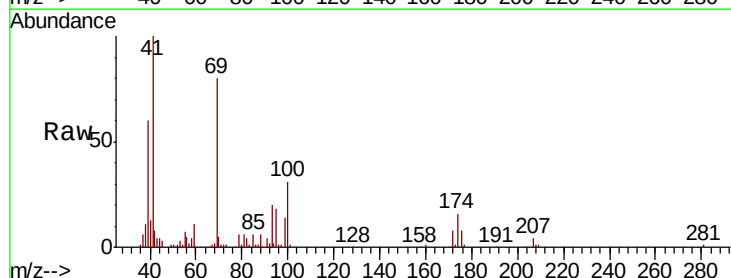
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

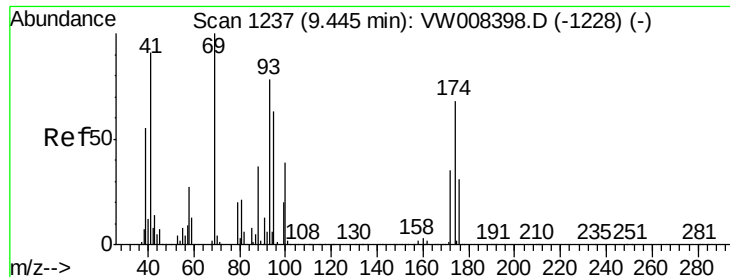
Tgt Ion: 83 Resp: 99599
Ion Ratio Lower Upper
83 100
85 64.6 50.8 76.2
127 8.2 6.8 10.2



#48
Methyl methacrylate
Concen: 16.020 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 41 Resp: 42752
Ion Ratio Lower Upper
41 100
69 84.8 64.8 97.2
39 61.4 49.1 73.7





#49

1,4-Dioxane

Concen: 306.263 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

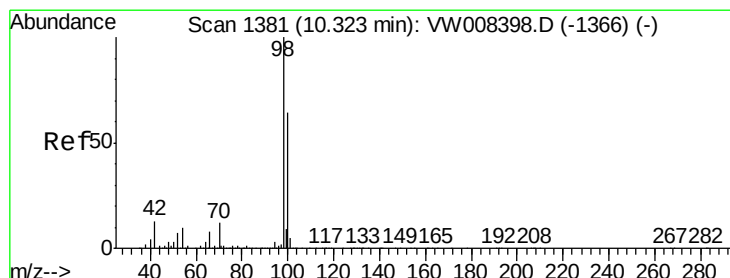
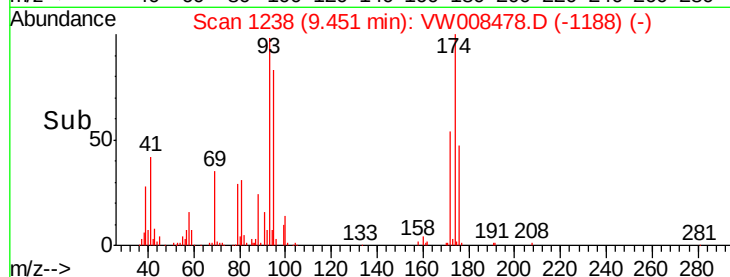
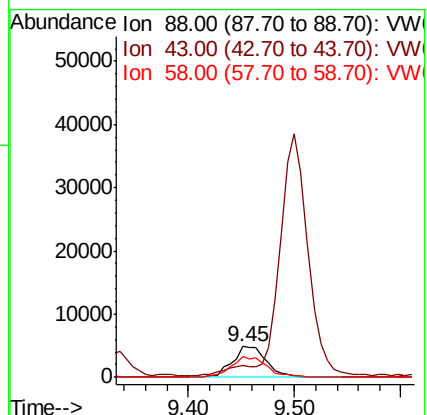
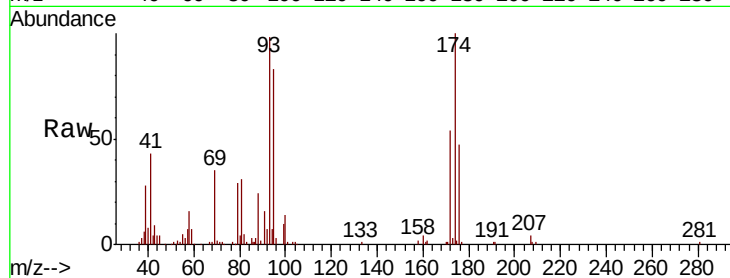
Tgt Ion: 88 Resp: 10939

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 73.1 56.4 84.6



#50

Toluene-d8

Concen: 53.320 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008478.D

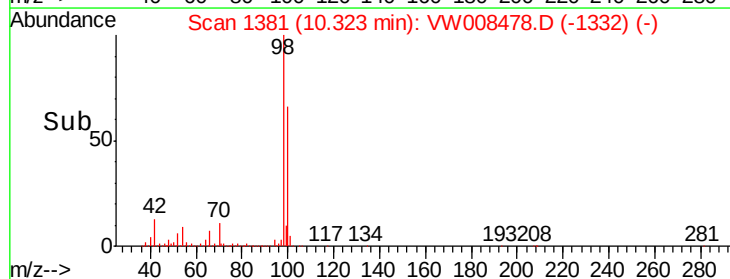
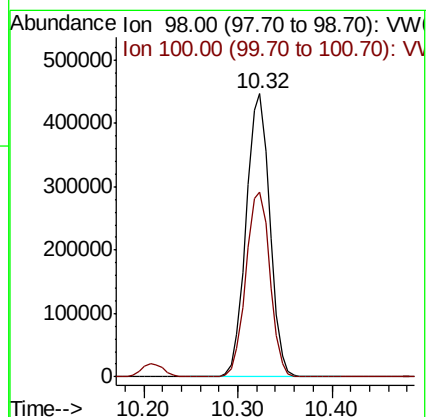
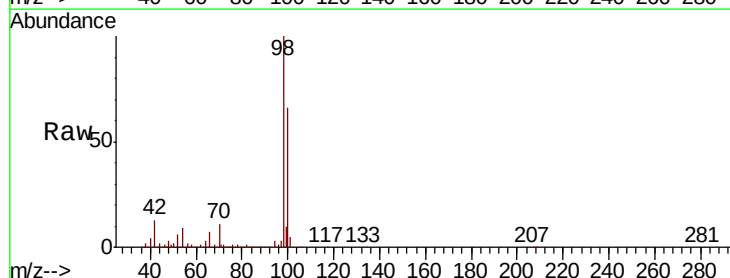
Acq: 01 Feb 2019 13:44

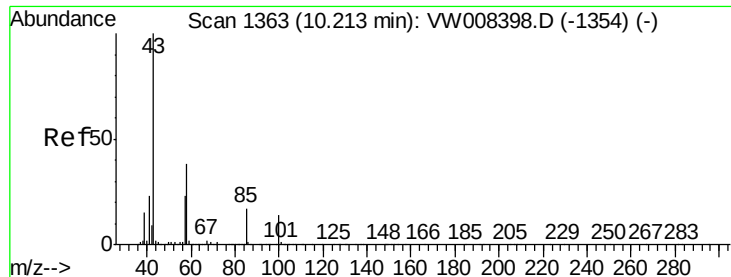
Tgt Ion: 98 Resp: 785931

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8

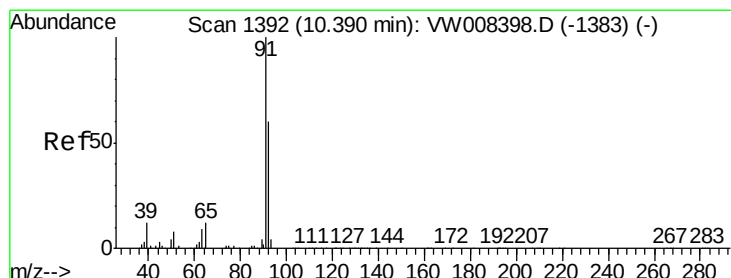
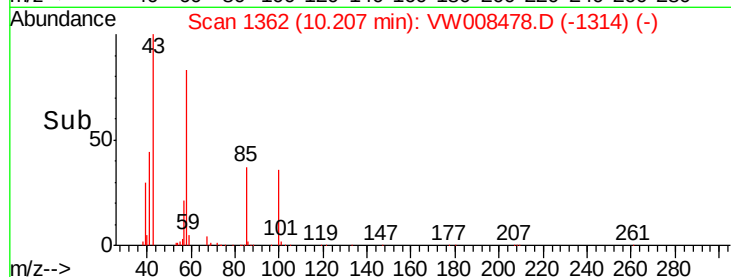
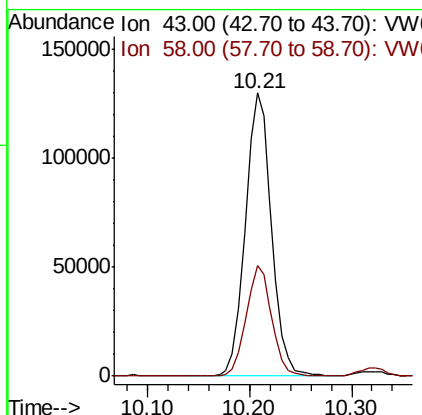
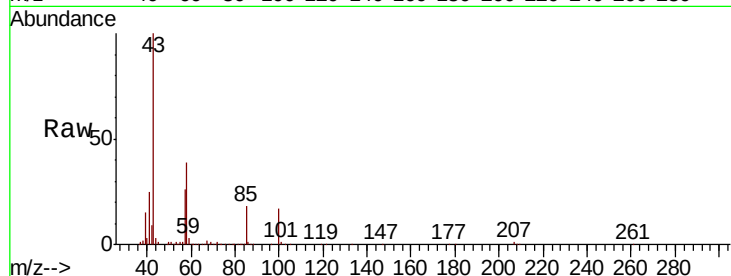




#51
4-Methyl-2-Pentanone
Concen: 84.665 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

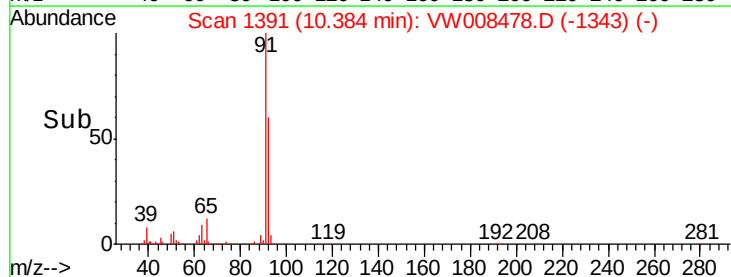
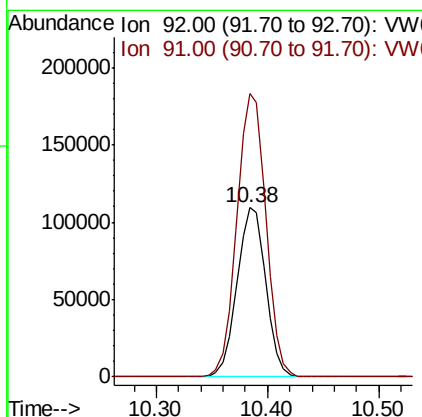
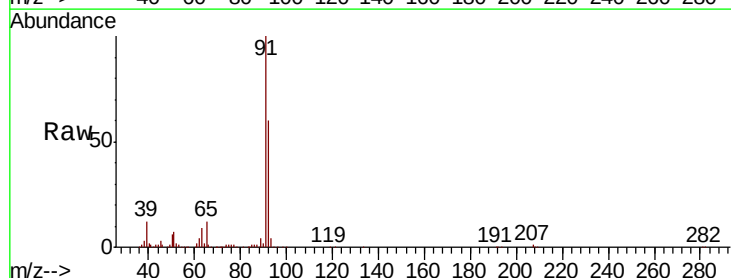
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

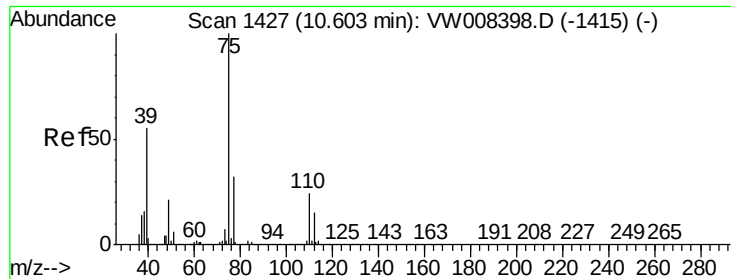
Tgt Ion: 43 Resp: 228290
Ion Ratio Lower Upper
43 100
58 38.3 29.7 44.5



#52
Toluene
Concen: 17.954 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 92 Resp: 195278
Ion Ratio Lower Upper
92 100
91 168.6 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 17.588 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

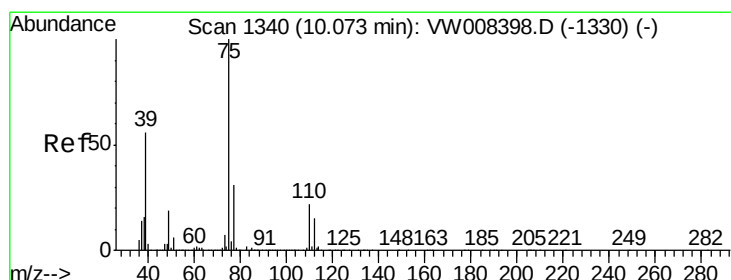
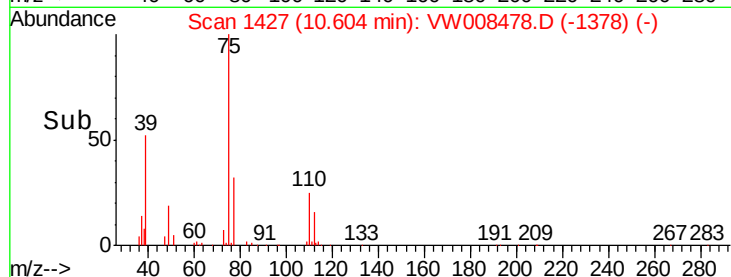
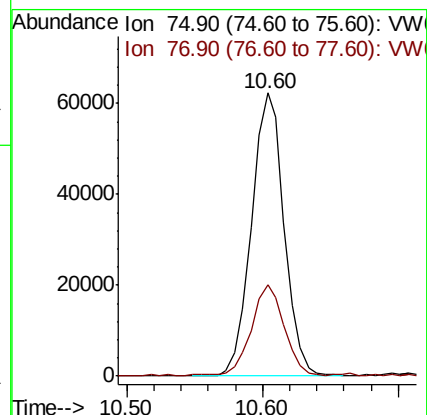
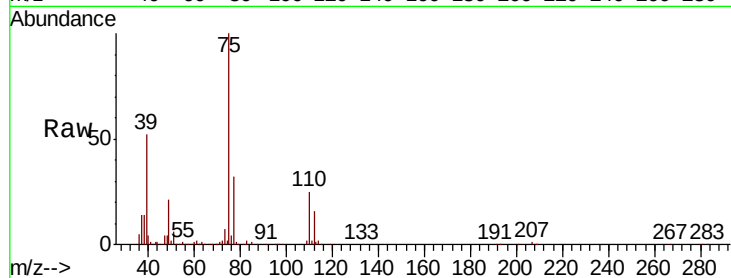
VW0201SBS01

Tgt Ion: 75 Resp: 104599

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 17.855 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

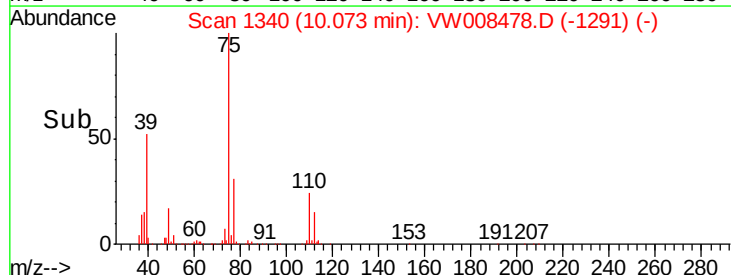
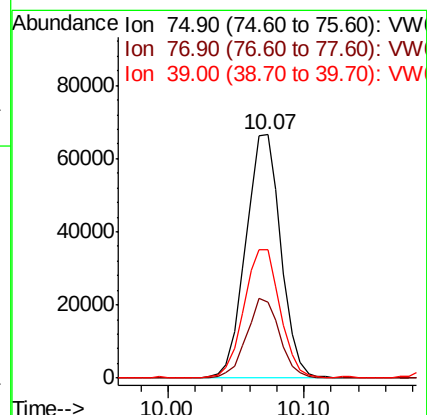
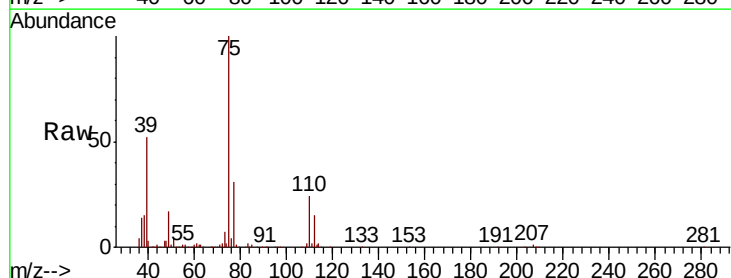
Tgt Ion: 75 Resp: 120507

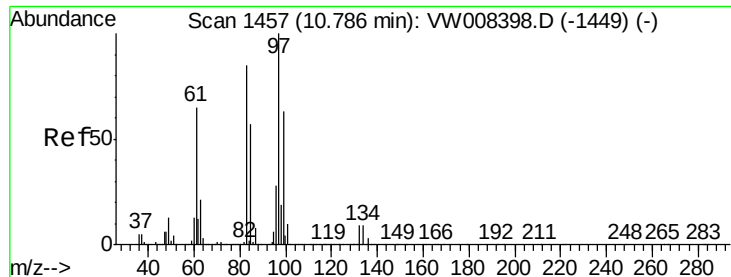
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

39 52.2 44.9 67.3

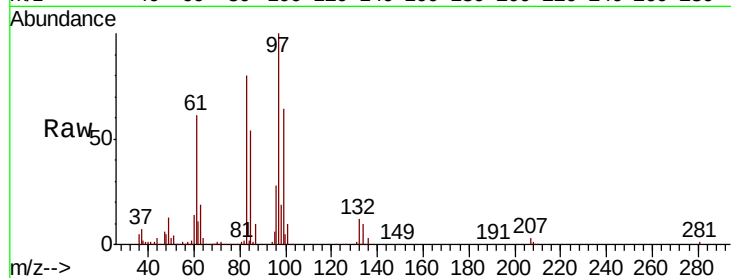




#55
 1,1,2-Trichloroethane
 Concen: 18.306 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tgt Ion:	97	Resp:	53654
Ion	Ratio	Lower	Upper
97	100		
83	80.0	68.4	102.6
85	54.2	45.3	67.9
99	64.3	50.6	76.0



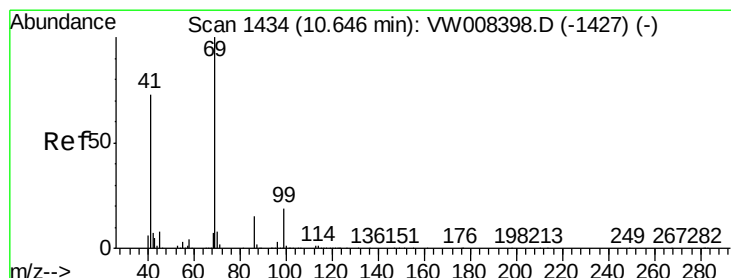
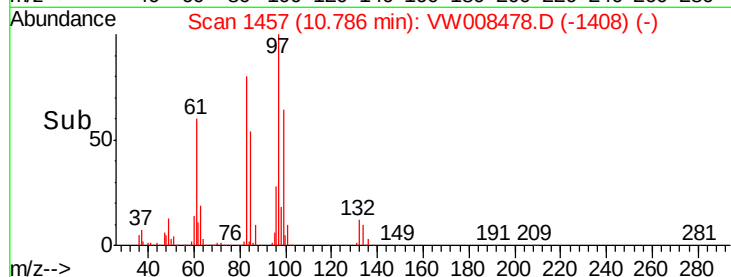
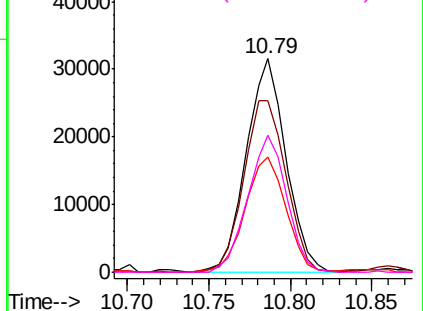
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

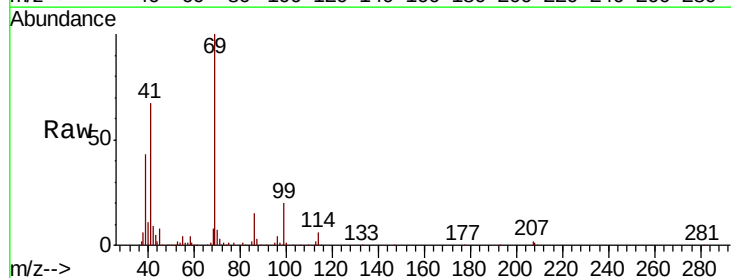
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 17.217 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion:	69	Resp:	70709
Ion	Ratio	Lower	Upper
69	100		
41	66.9	58.7	88.1
39	39.1	32.6	48.8

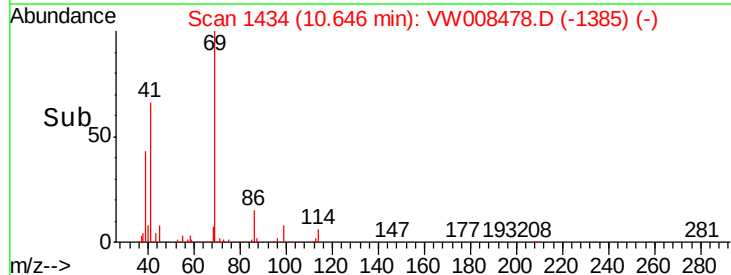
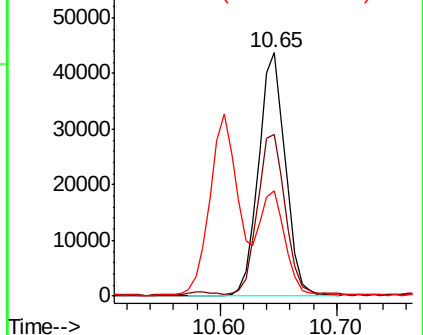


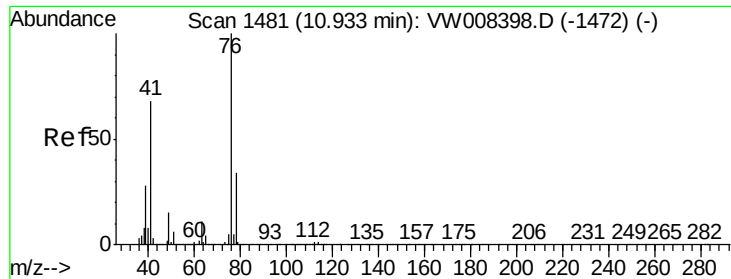
Abundance

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

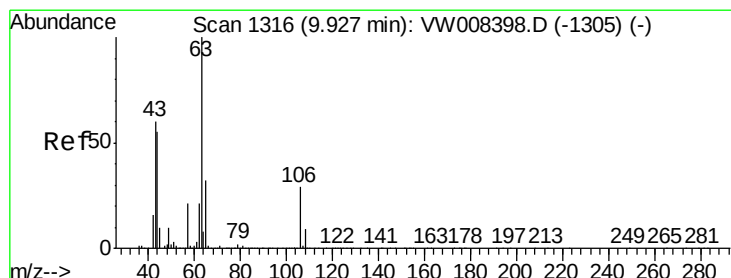
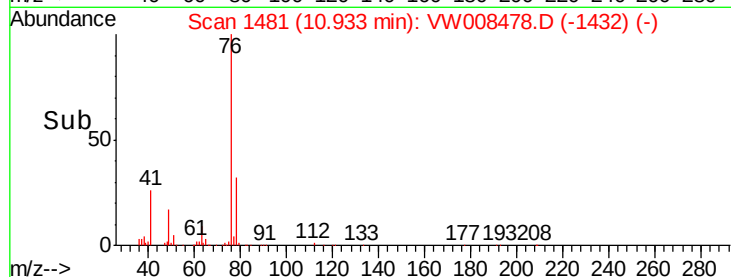
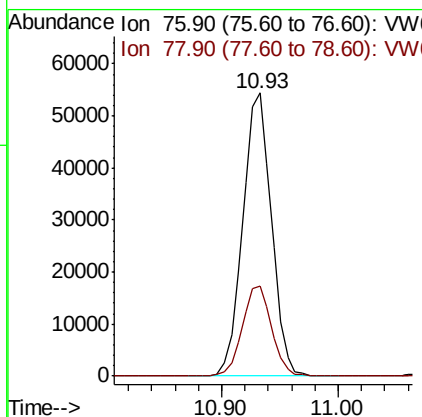
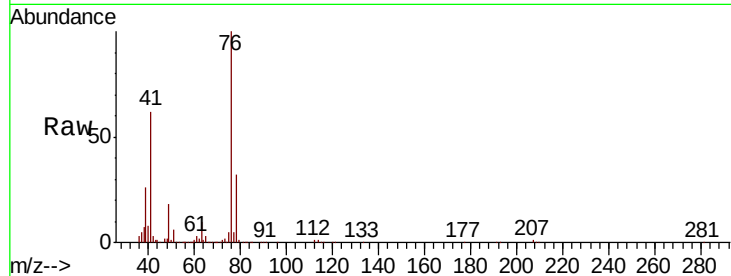




#57
 1,3-Dichloropropane
 Concen: 17.851 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

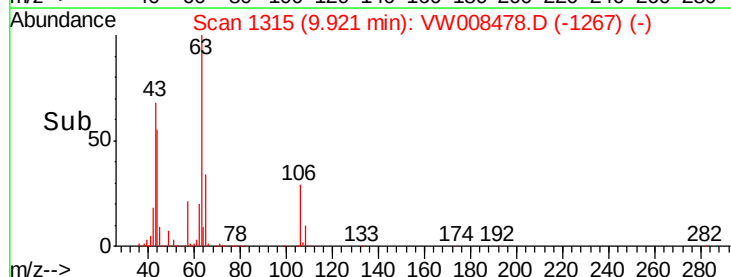
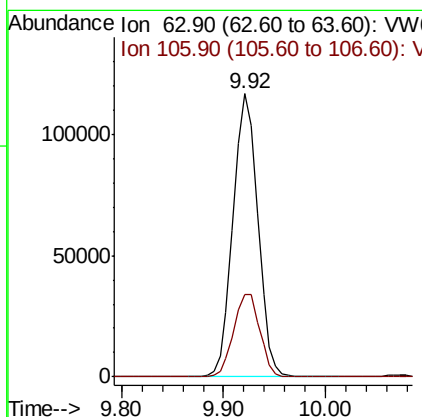
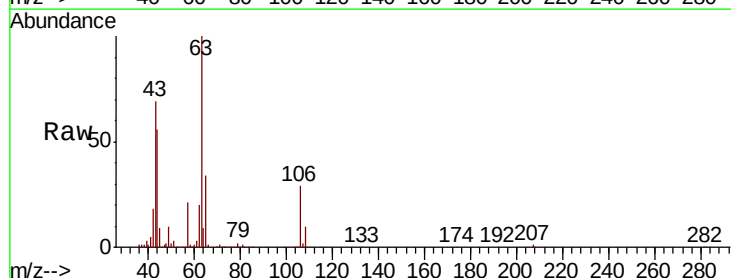
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

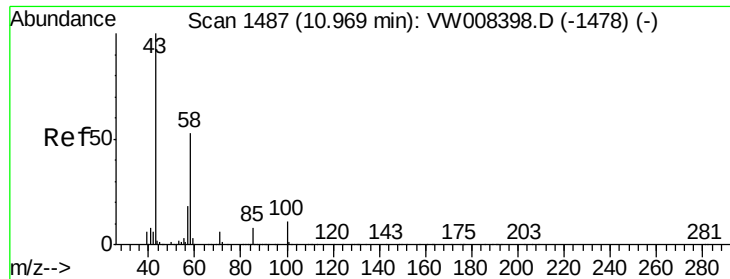
Tgt Ion: 76 Resp: 93735
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.229 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion: 63 Resp: 196009
 Ion Ratio Lower Upper
 63 100
 106 30.8 22.4 33.6

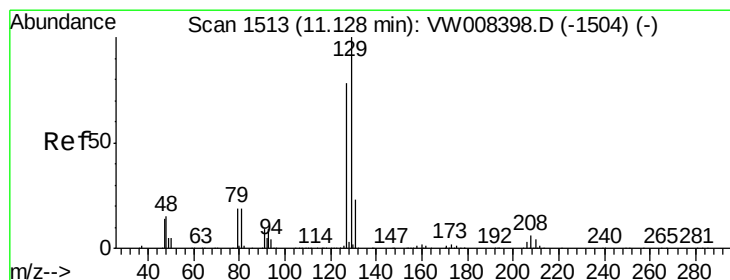
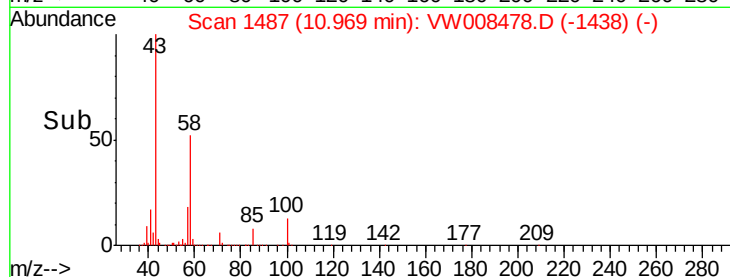
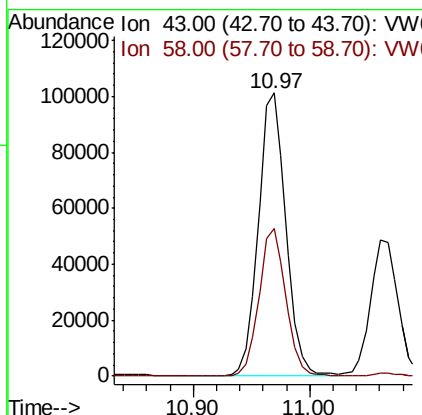
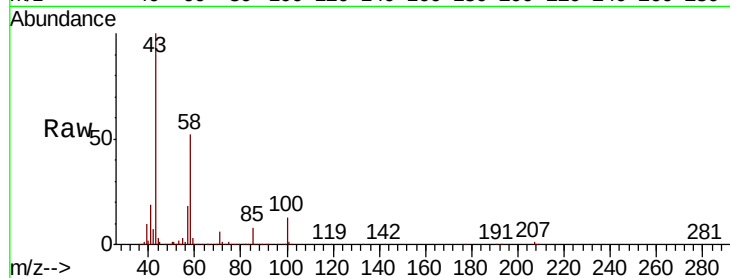




#59
2-Hexanone
Concen: 87.038 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

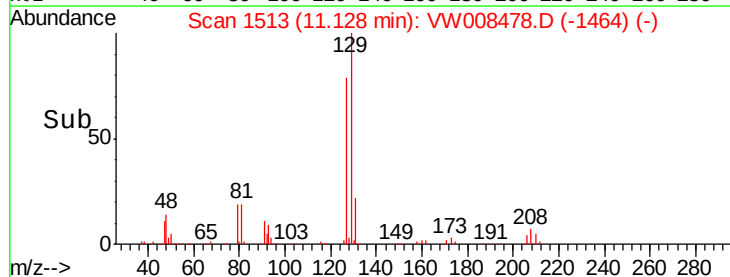
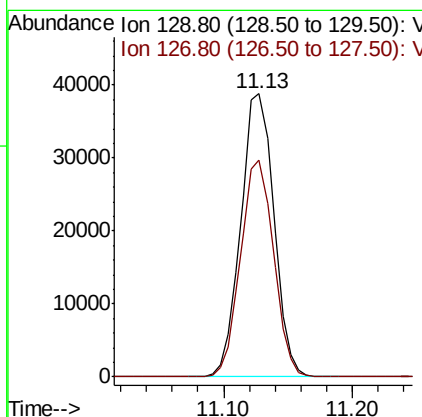
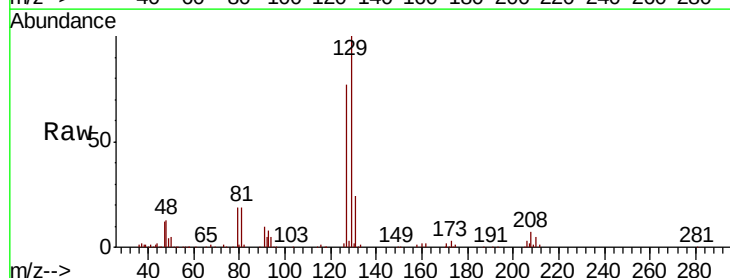
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

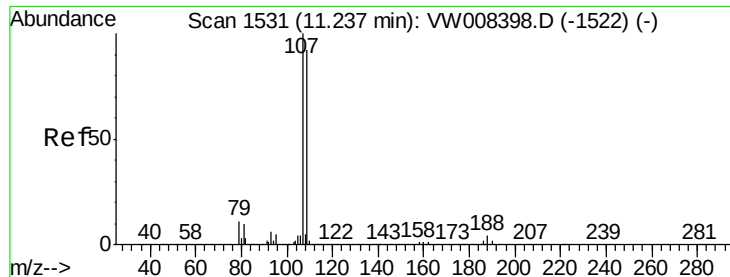
Tgt Ion: 43 Resp: 165680
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.7



#60
Dibromochloromethane
Concen: 18.363 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 129 Resp: 69164
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.2

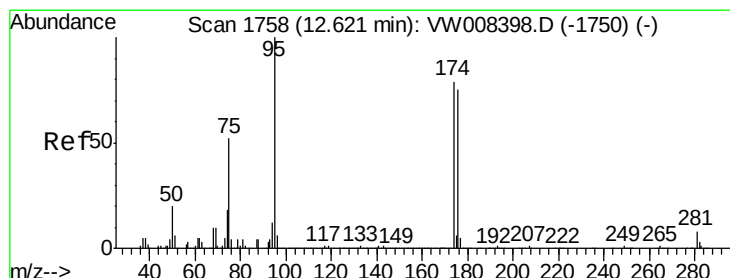
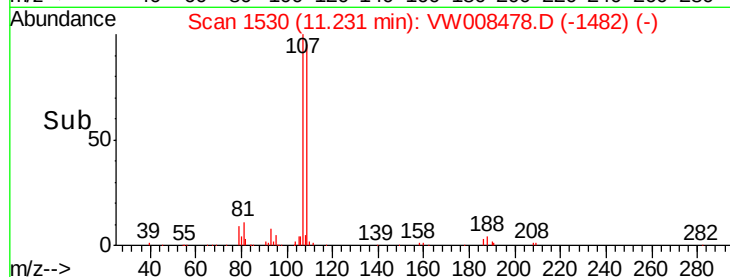
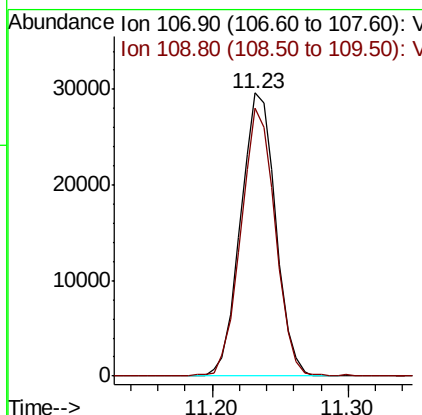
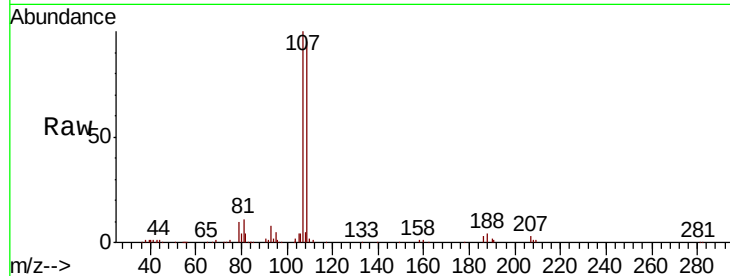




#61
 1,2-Dibromoethane
 Concen: 18.356 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

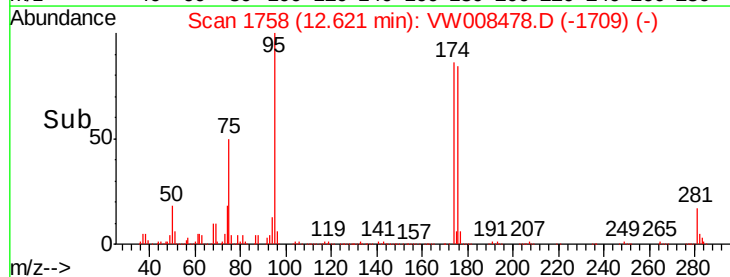
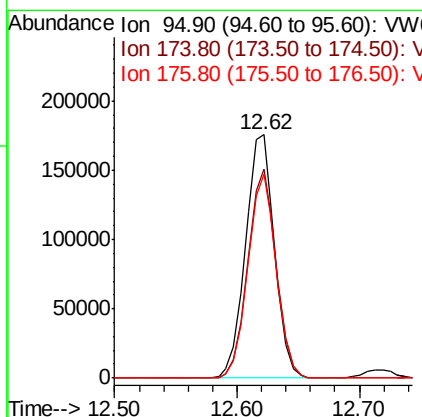
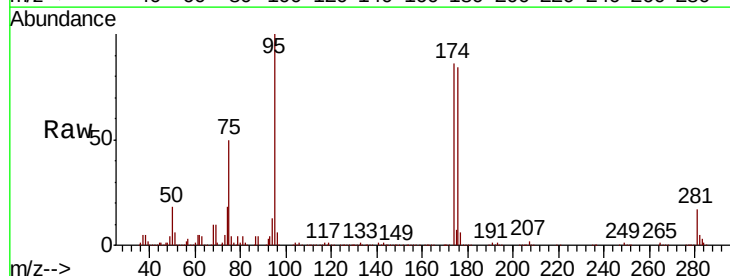
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

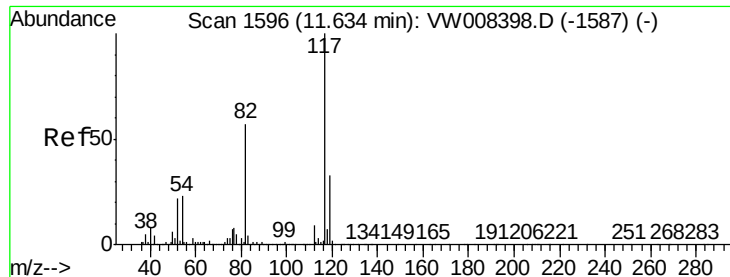
Tgt Ion: 107 Resp: 53347
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.826 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion: 95 Resp: 287967
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 157.6
 176 81.5 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: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

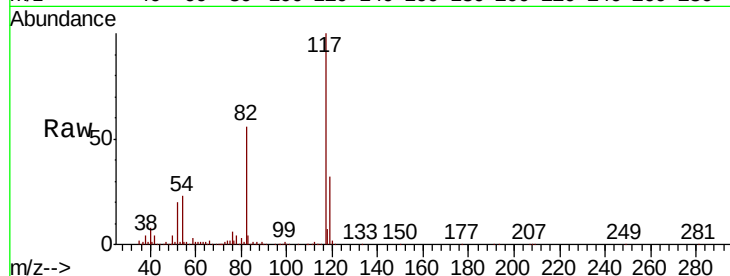
Tgt Ion:117 Resp: 549938

Ion Ratio Lower Upper

117 100

82 56.4 45.4 68.0

119 32.4 26.2 39.4

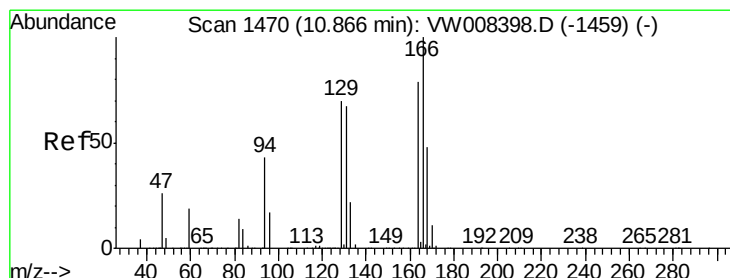
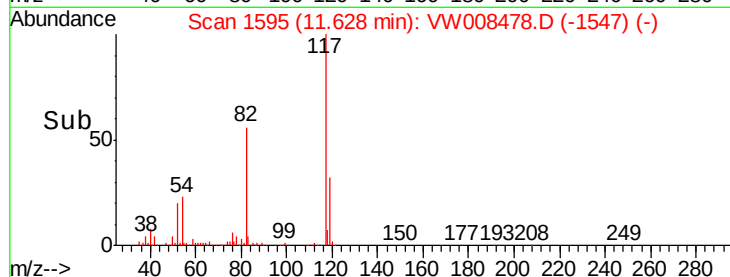
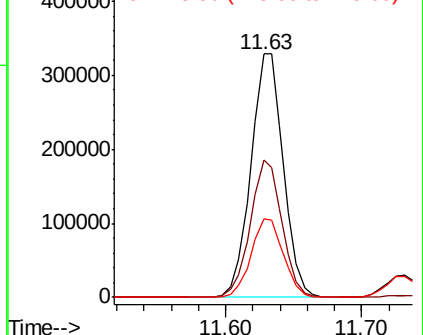


Abundance

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: 19.692 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion:164 Resp: 73320

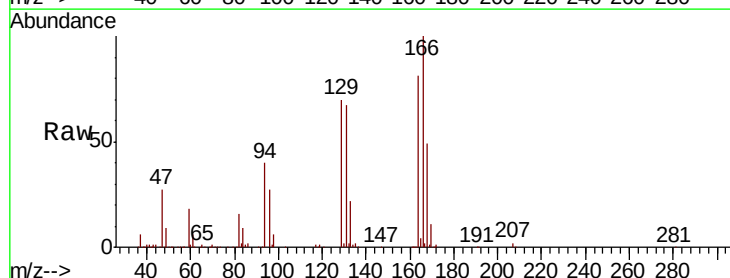
Ion Ratio Lower Upper

164 100

166 123.7 101.4 152.0

129 86.6 71.0 106.6

131 82.9 68.3 102.5



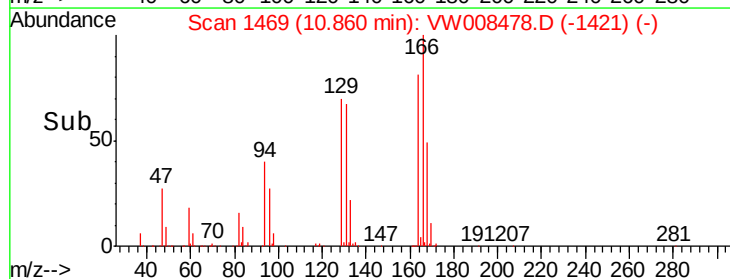
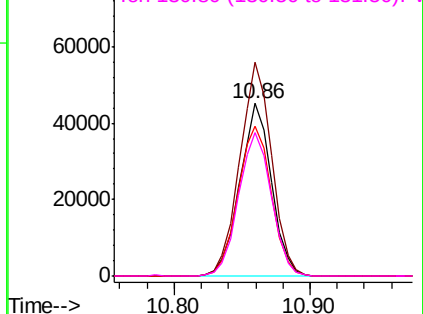
Abundance

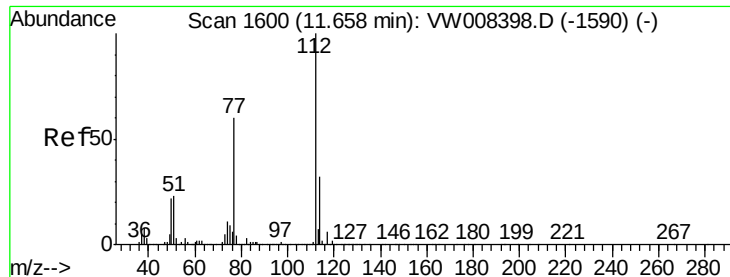
Ion 163.80 (163.50 to 164.50): V

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

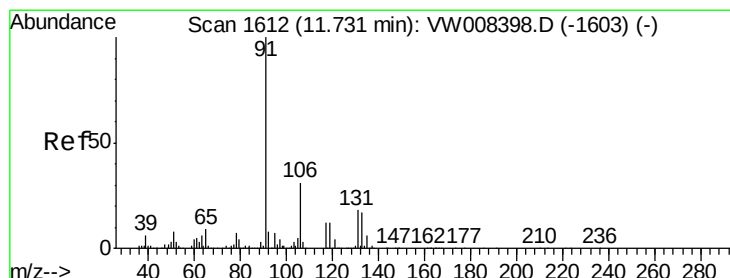
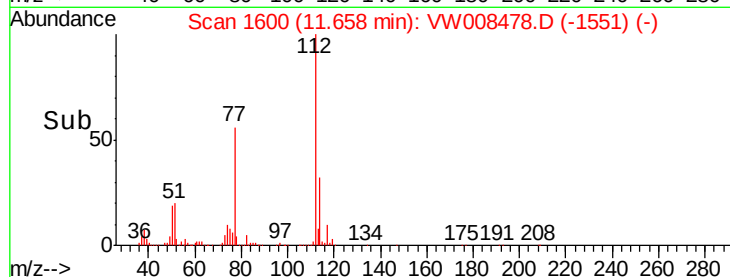
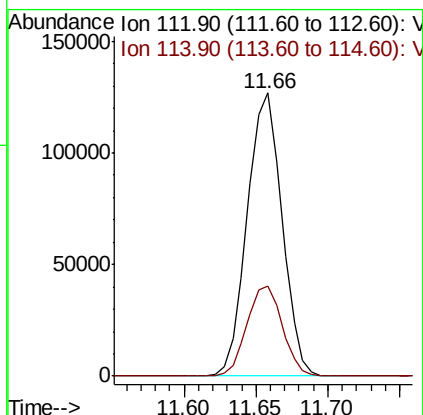
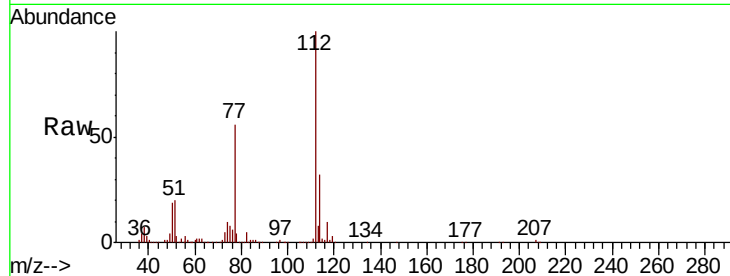




#65
Chlorobenzene
Concen: 18.851 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

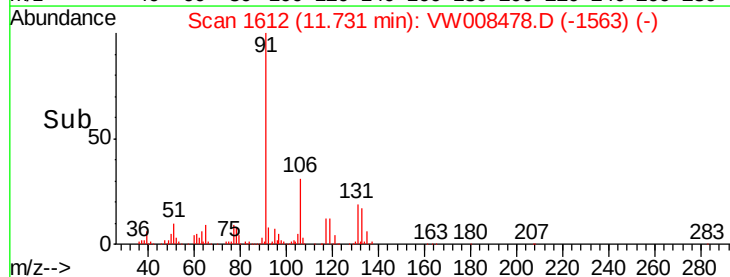
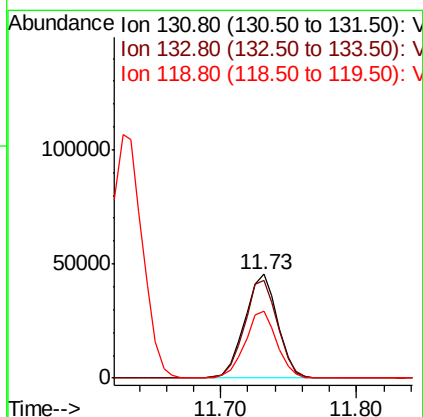
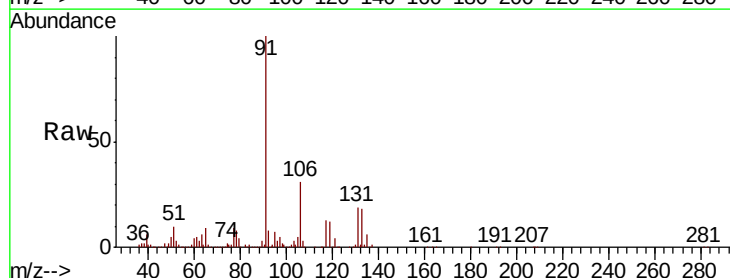
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

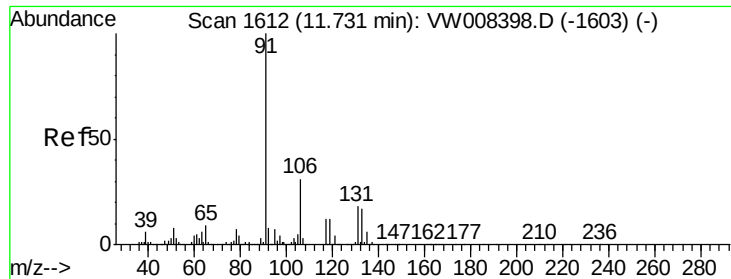
Tgt Ion:112 Resp: 211626
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.089 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion:131 Resp: 76673
Ion Ratio Lower Upper
131 100
133 95.0 47.0 141.2
119 62.5 32.1 96.3

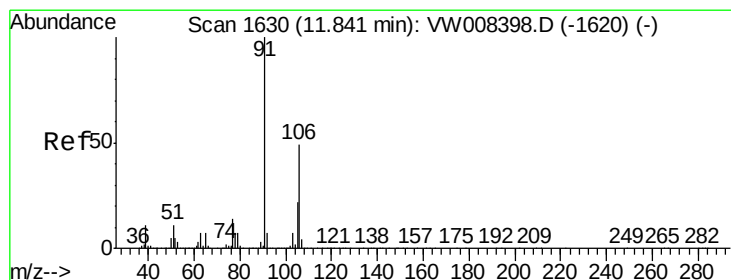
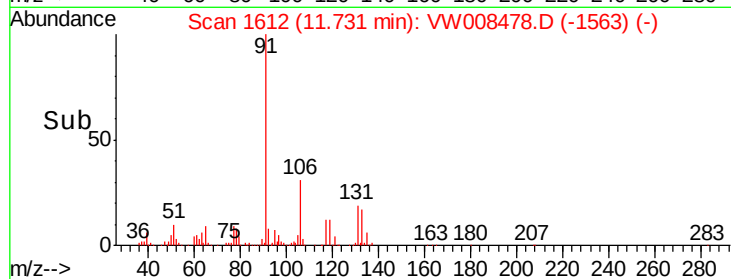
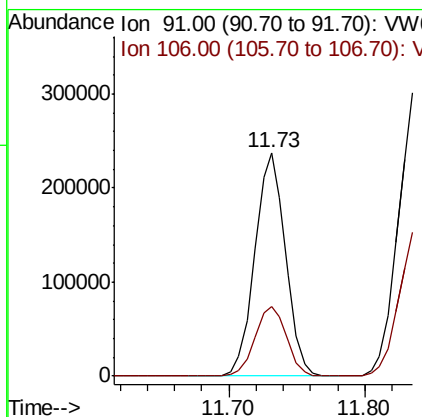
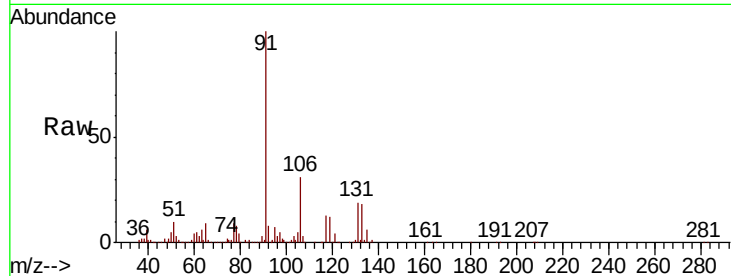




#67
Ethyl Benzene
Concen: 18.205 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

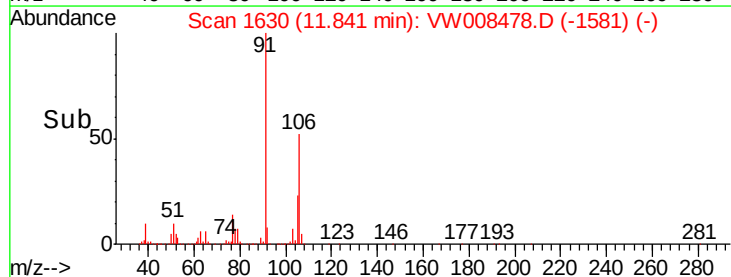
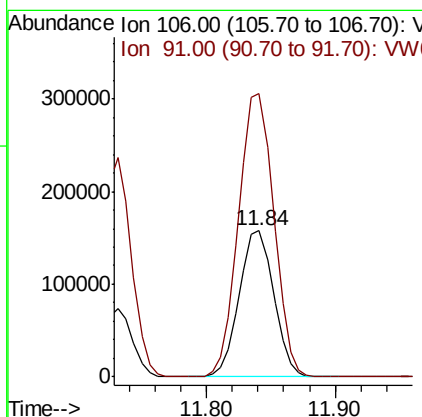
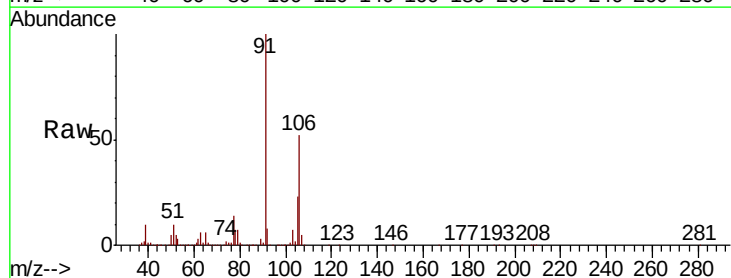
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

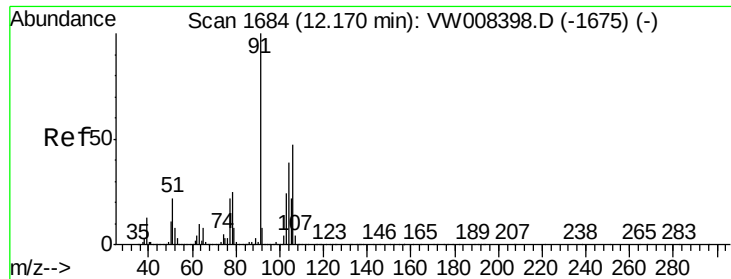
Tgt Ion: 91 Resp: 375667
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1



#68
m/p-Xylenes
Concen: 36.582 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 106 Resp: 292896
Ion Ratio Lower Upper
106 100
91 198.5 162.9 244.3

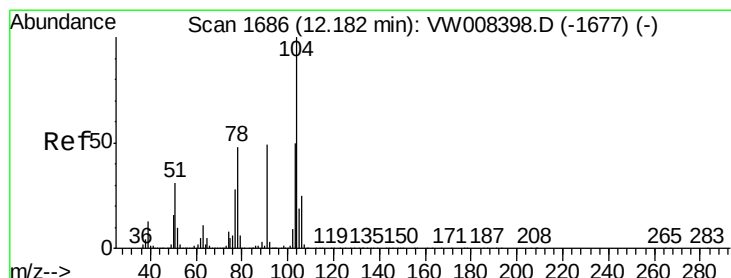
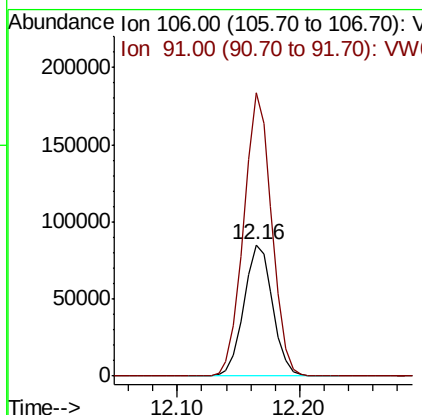
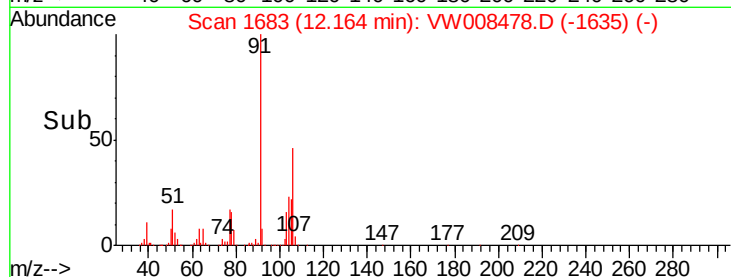
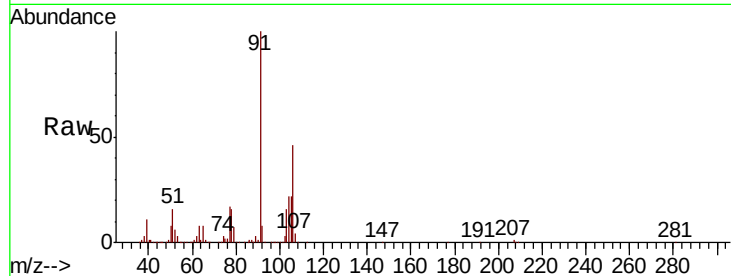




#69
o-Xylene
Concen: 18.193 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

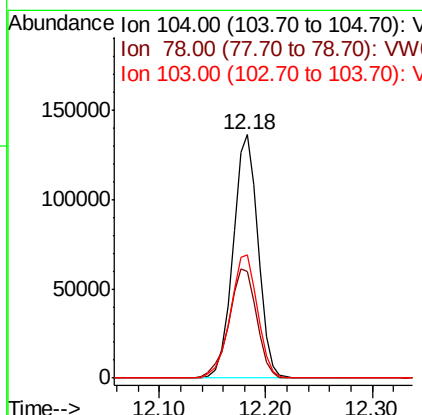
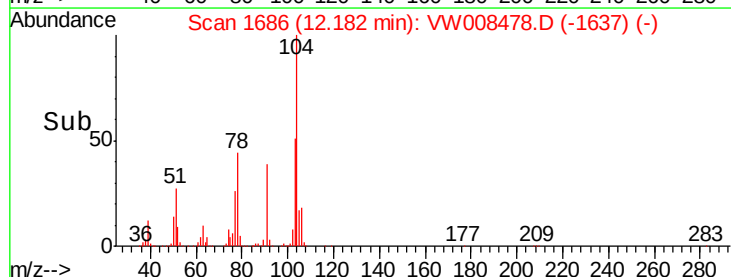
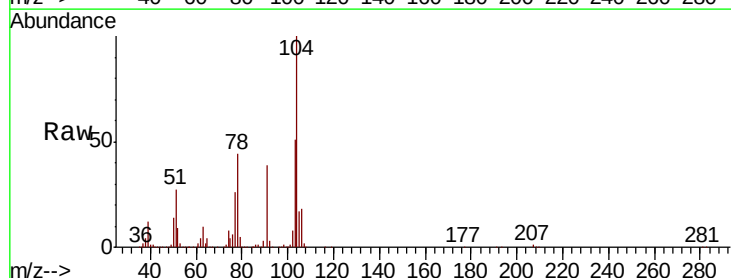
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

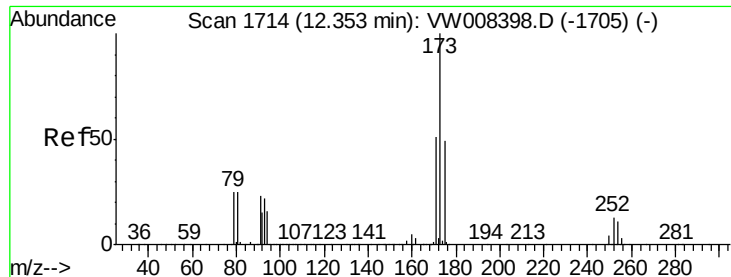
Tgt Ion:106 Resp: 138400
Ion Ratio Lower Upper
106 100
91 210.9 107.5 322.4



#70
Styrene
Concen: 17.765 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion:104 Resp: 223229
Ion Ratio Lower Upper
104 100
78 49.8 42.4 63.6
103 55.5 43.4 65.0





#71

Bromoform

Concen: 18.161 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

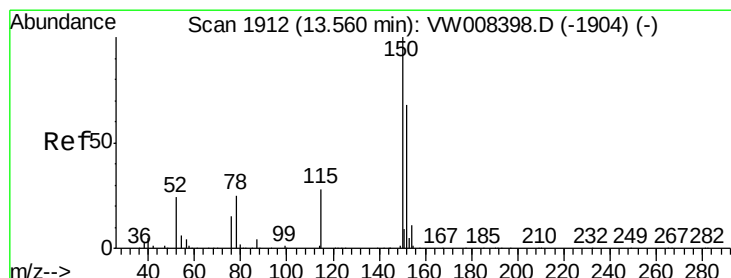
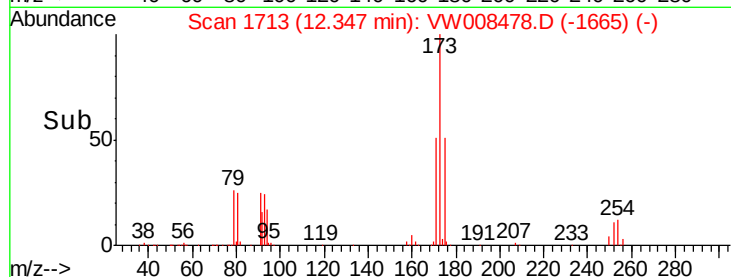
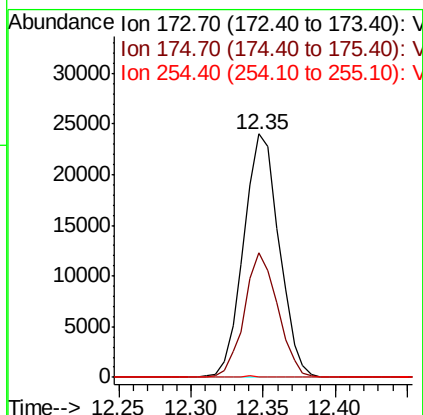
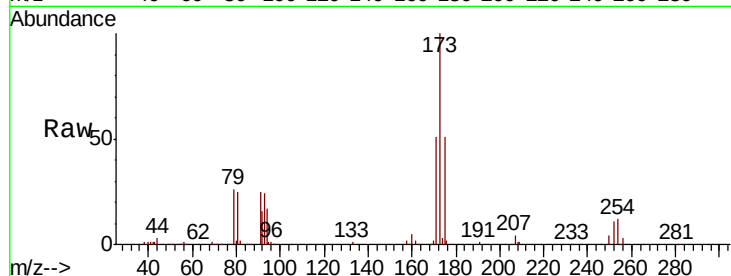
Tgt Ion:173 Resp: 41041

Ion Ratio Lower Upper

173 100

175 48.0 24.4 73.4

254 0.2 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

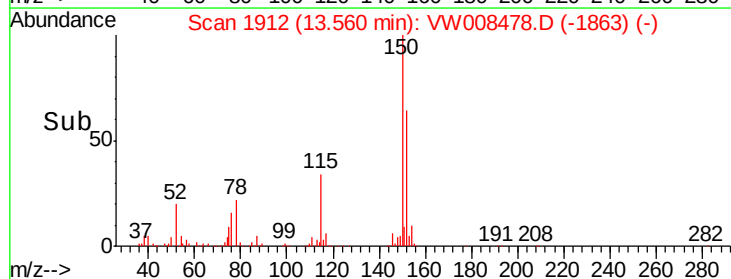
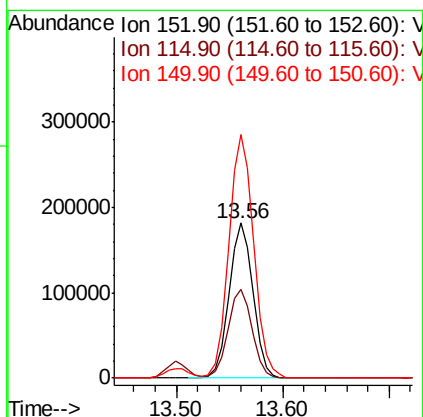
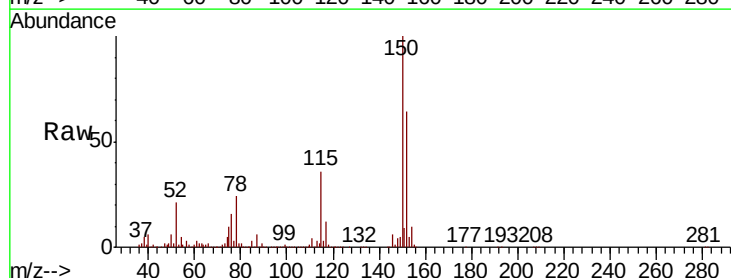
Tgt Ion:152 Resp: 285448

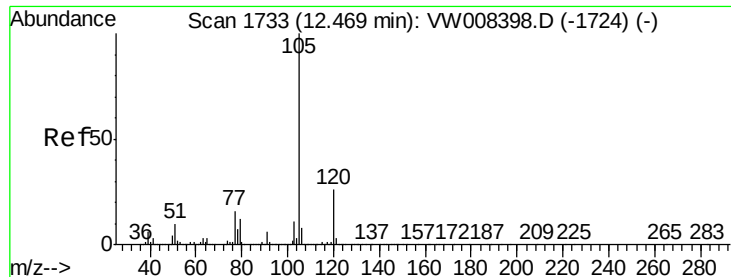
Ion Ratio Lower Upper

152 100

115 57.7 29.9 89.7

150 163.6 0.0 351.4





#73

Isopropylbenzene

Concen: 18.032 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

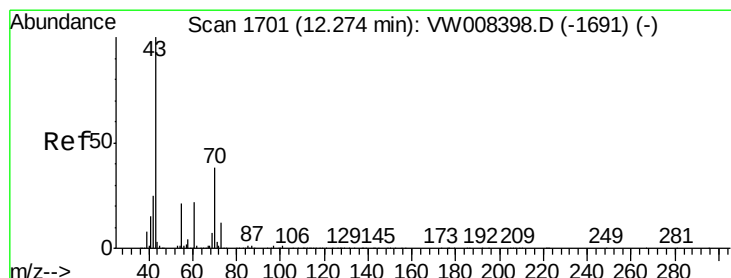
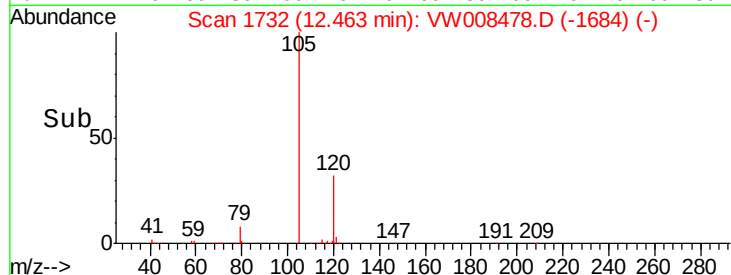
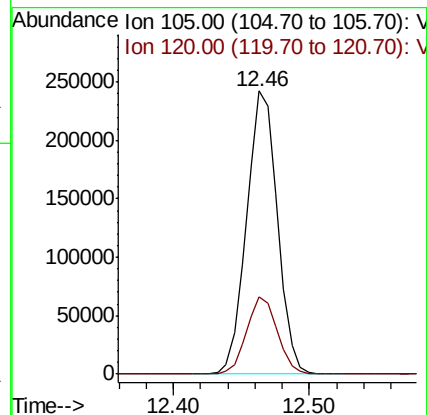
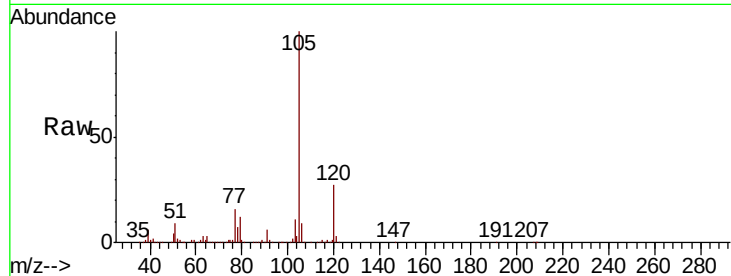
VW0201SBS01

Tgt Ion: 105 Resp: 383733

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



#74

N-ethyl acetate

Concen: 16.543 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Tgt Ion: 43 Resp: 90691

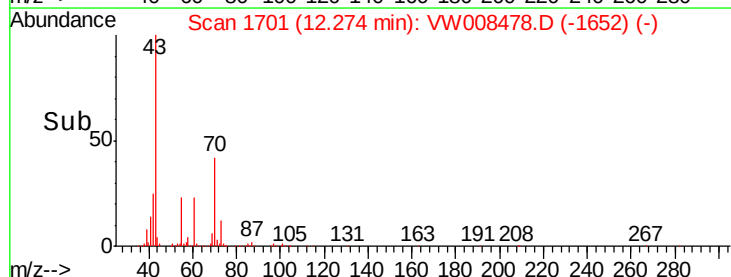
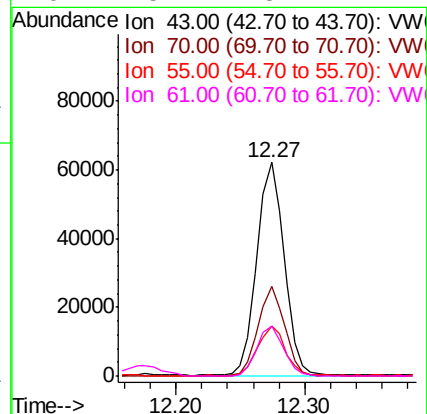
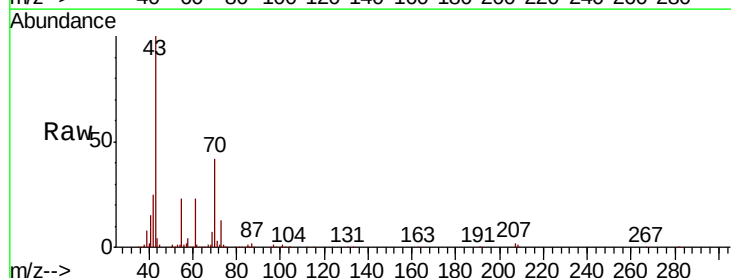
Ion Ratio Lower Upper

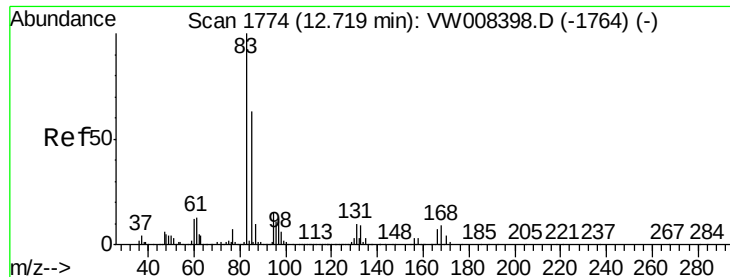
43 100

70 40.7 31.0 46.6

55 23.4 17.4 26.2

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.144 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

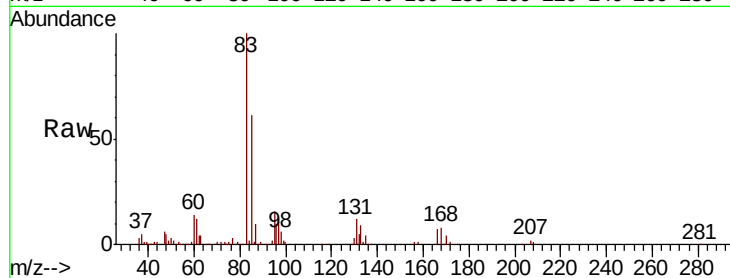
Tgt Ion: 83 Resp: 61131

Ion Ratio Lower Upper

83 100

131 12.0 5.5 16.4

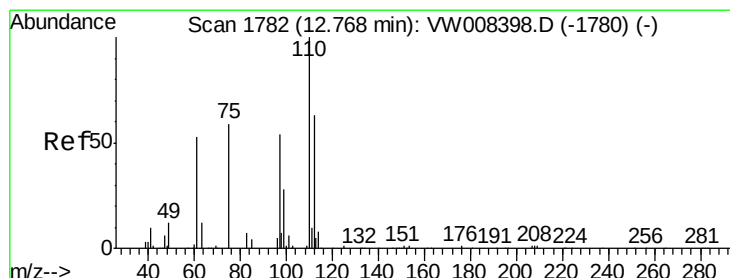
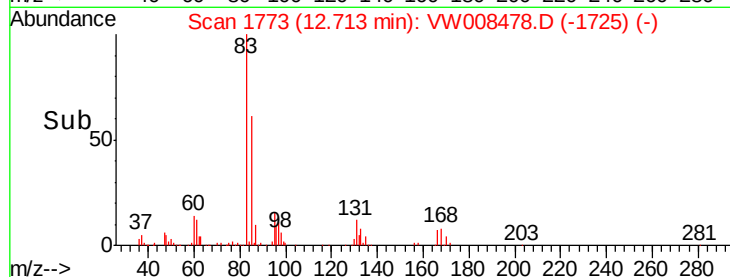
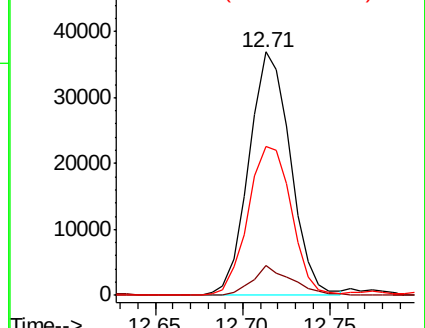
85 64.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.300 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008478.D

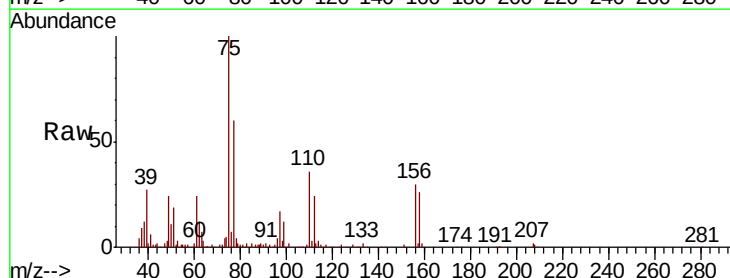
Acq: 01 Feb 2019 13:44

Tgt Ion: 75 Resp: 85126

Ion Ratio Lower Upper

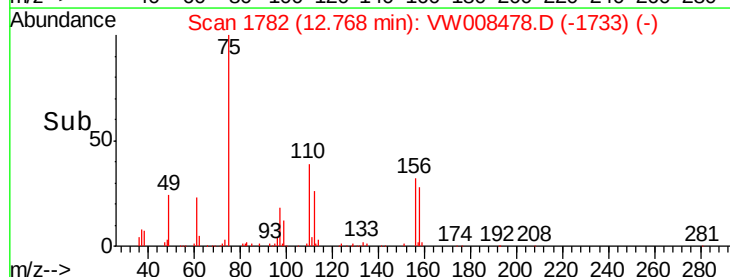
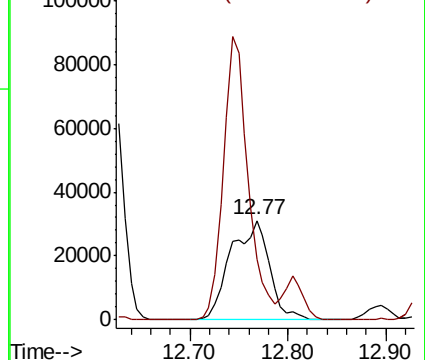
75 100

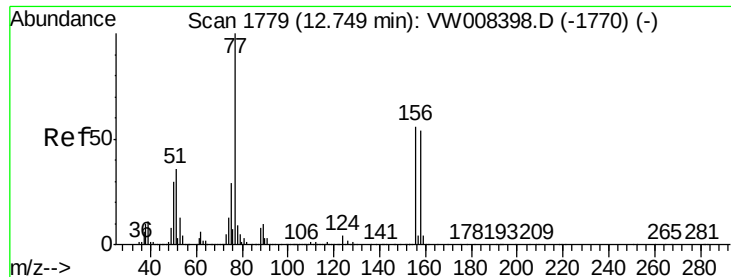
77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.008 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

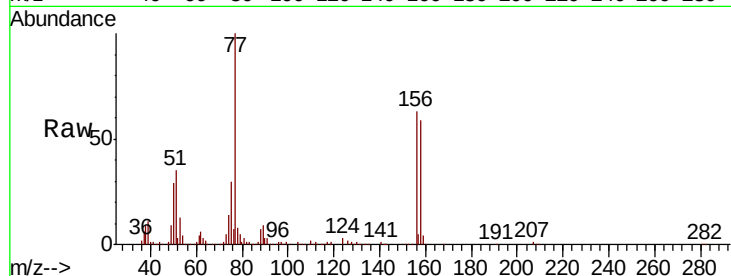
Tgt Ion:156 Resp: 88338

Ion Ratio Lower Upper

156 100

77 177.2 96.9 290.7

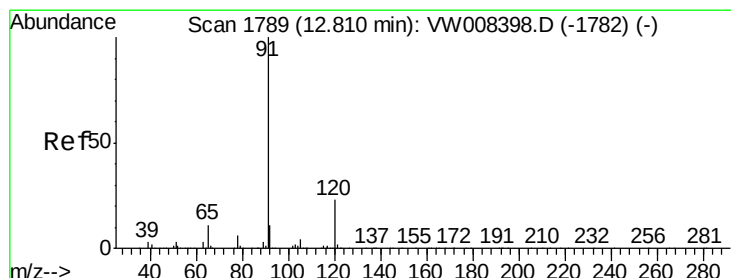
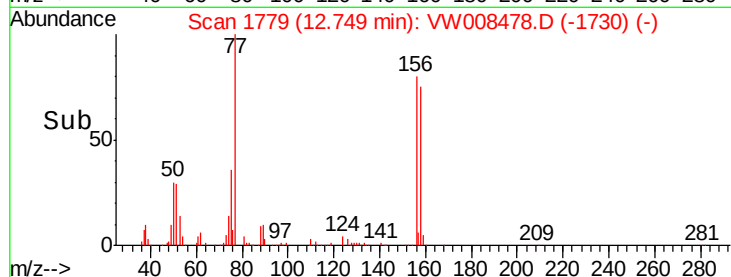
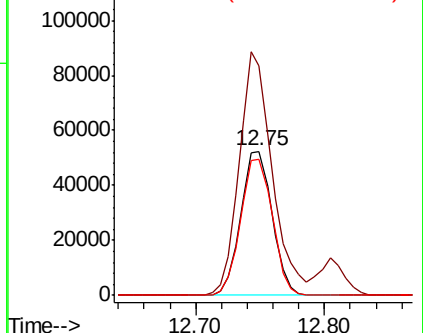
158 95.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.885 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008478.D

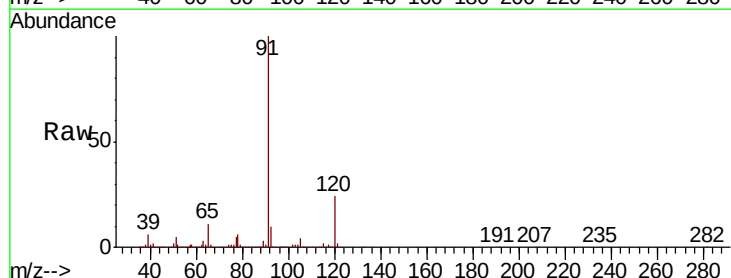
Acq: 01 Feb 2019 13:44

Tgt Ion: 91 Resp: 457131

Ion Ratio Lower Upper

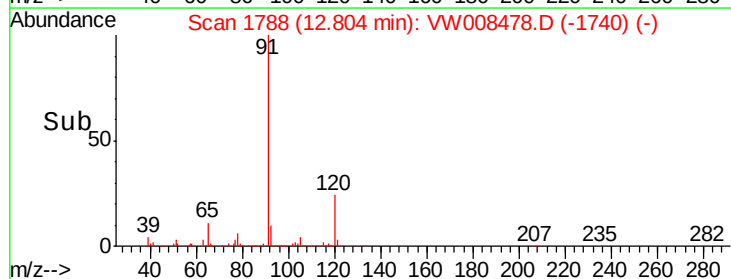
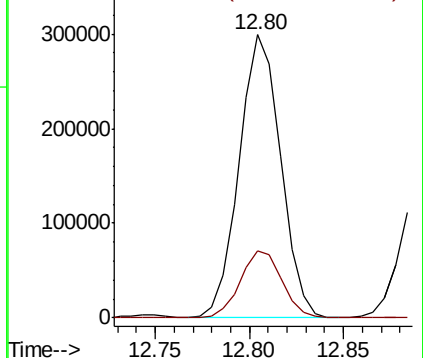
91 100

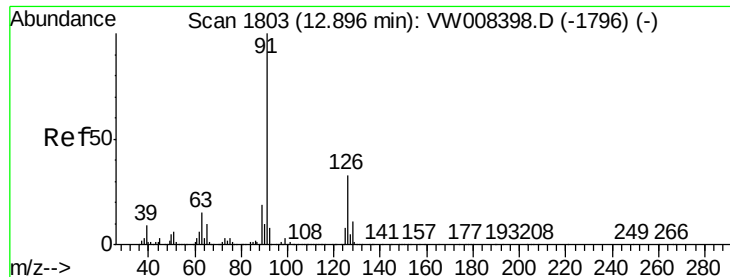
120 23.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.697 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

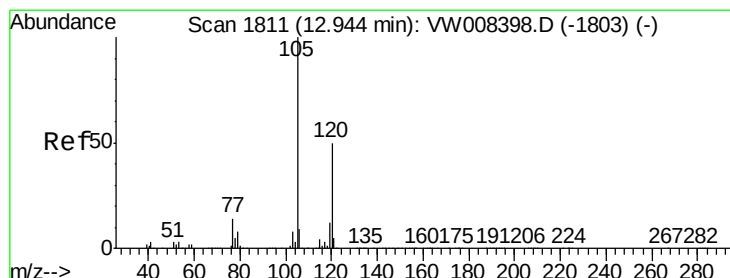
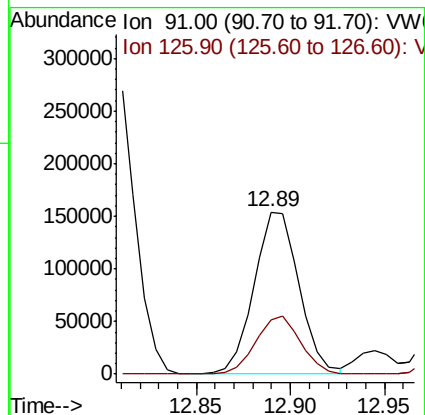
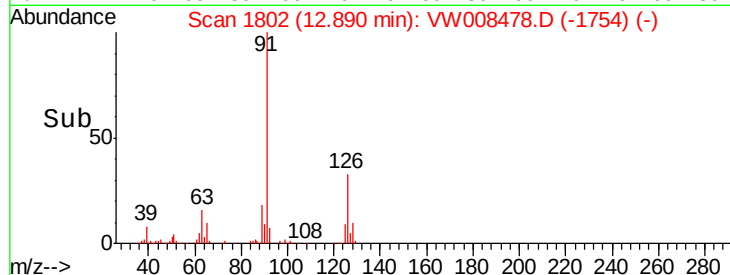
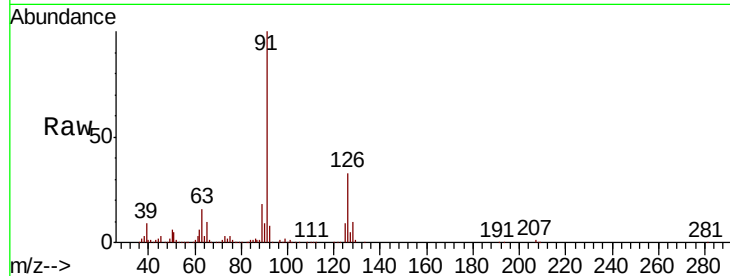
VW0201SBS01

Tgt Ion: 91 Resp: 255240

Ion Ratio Lower Upper

91 100

126 35.6 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 18.037 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008478.D

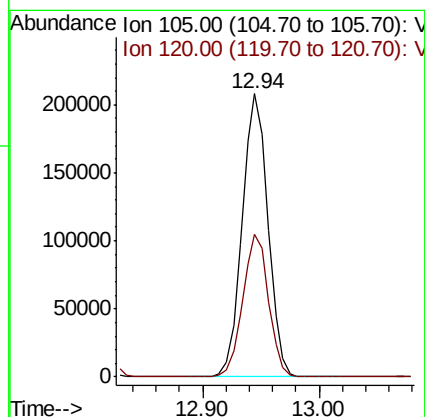
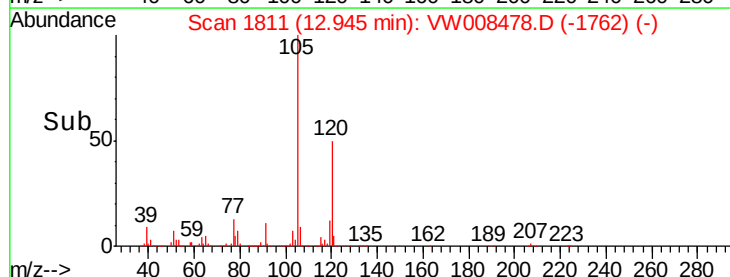
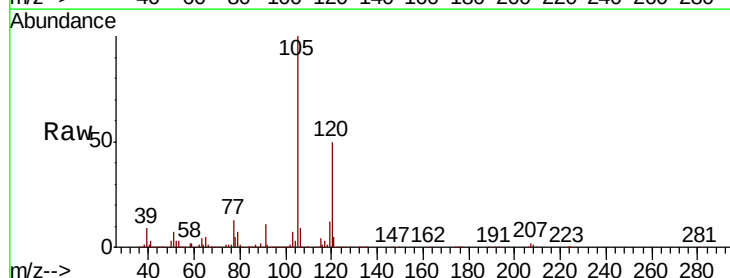
Acq: 01 Feb 2019 13:44

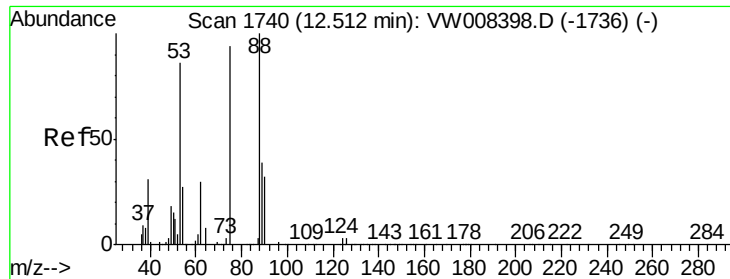
Tgt Ion: 105 Resp: 320833

Ion Ratio Lower Upper

105 100

120 50.3 24.6 73.8

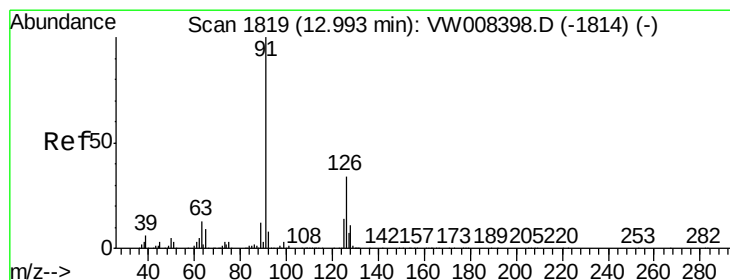
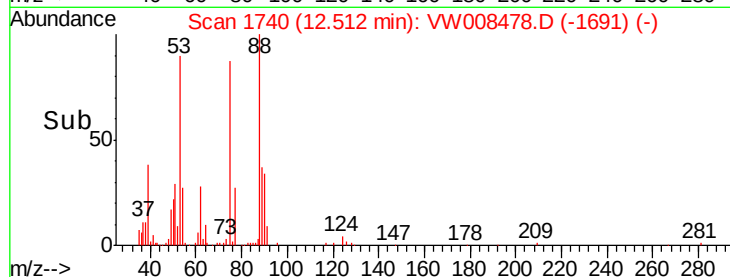
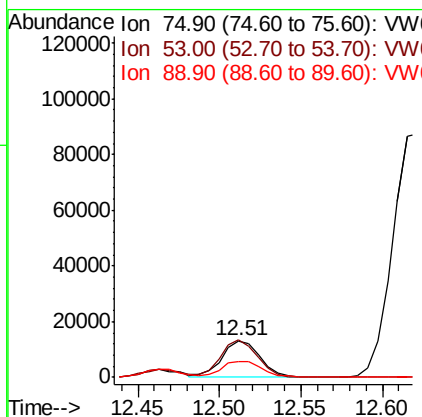
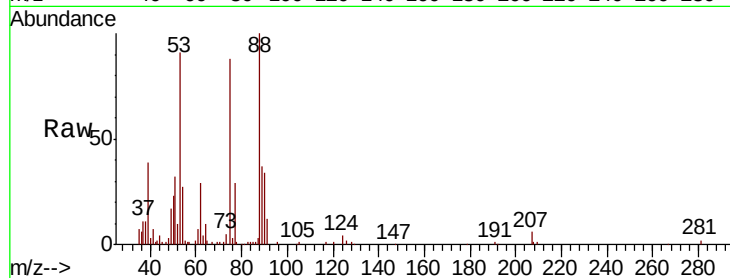




#81
trans-1,4-Dichloro-2-butene
Concen: 16.830 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

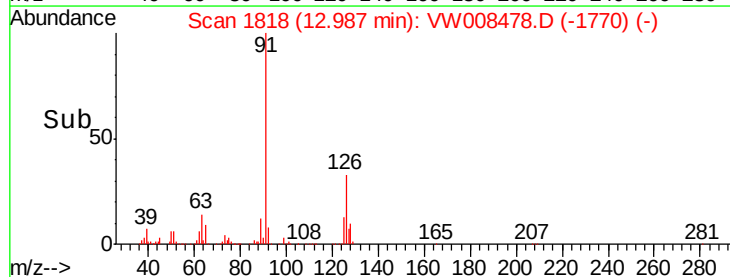
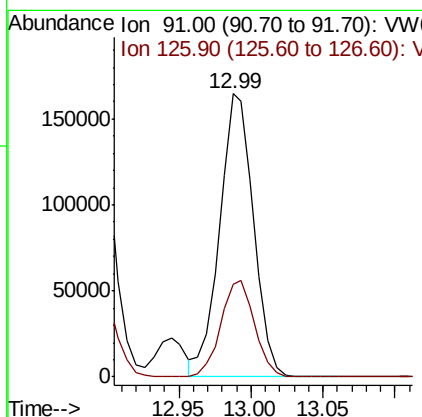
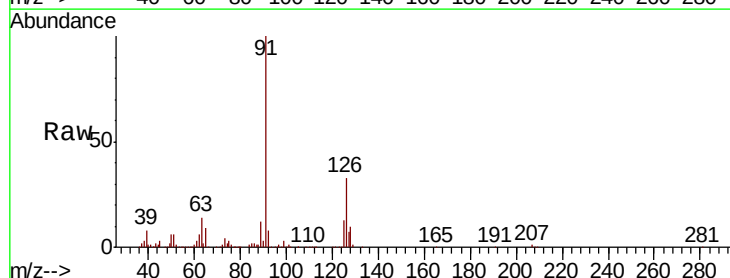
Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

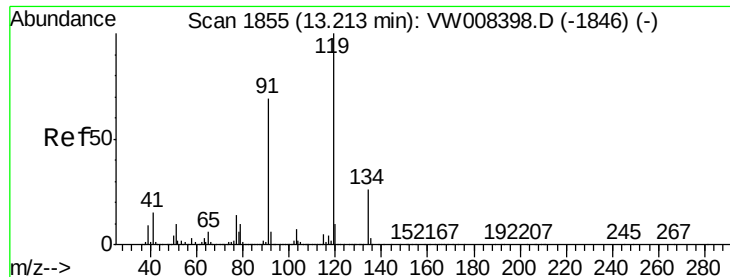
Tgt Ion: 75 Resp: 21148
Ion Ratio Lower Upper
75 100
53 100.1 76.0 114.0
89 46.6 35.4 53.0



#82
4-Chlorotoluene
Concen: 17.592 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion: 91 Resp: 270150
Ion Ratio Lower Upper
91 100
126 34.0 16.4 49.2





#83

tert-Butylbenzene

Concen: 18.215 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

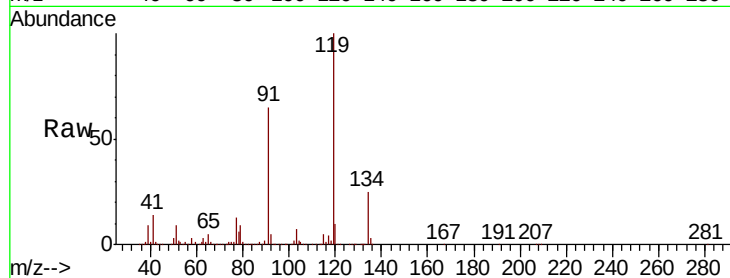
Tgt Ion:119 Resp: 288308

Ion Ratio Lower Upper

119 100

91 65.1 33.8 101.4

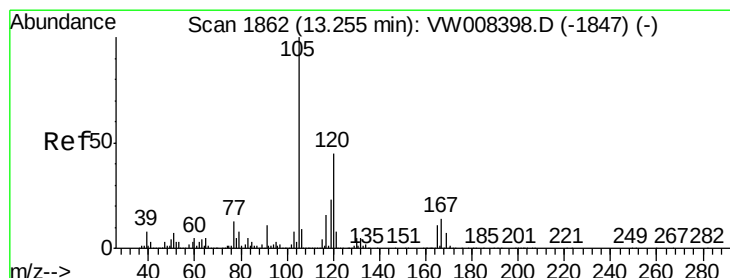
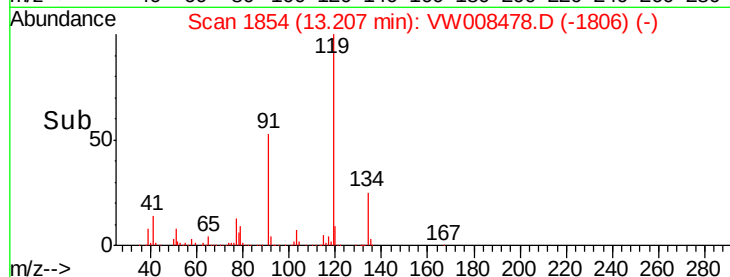
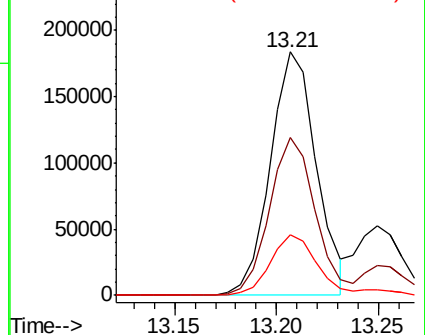
134 25.0 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.966 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008478.D

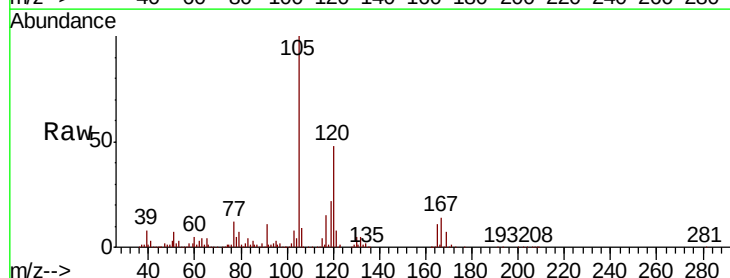
Acq: 01 Feb 2019 13:44

Tgt Ion:105 Resp: 324815

Ion Ratio Lower Upper

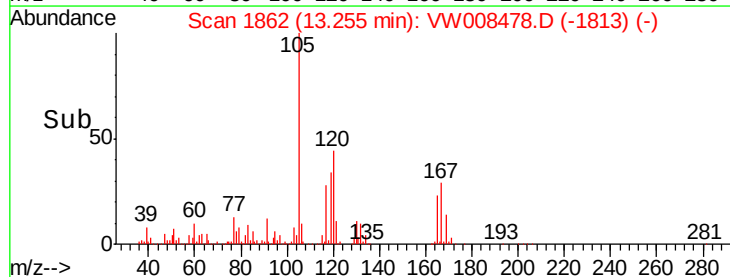
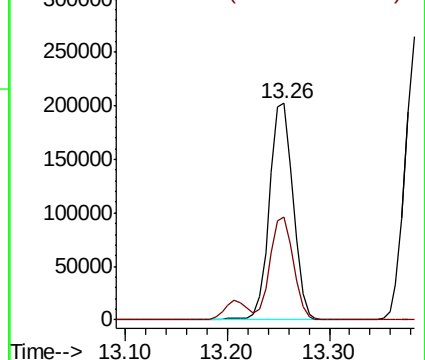
105 100

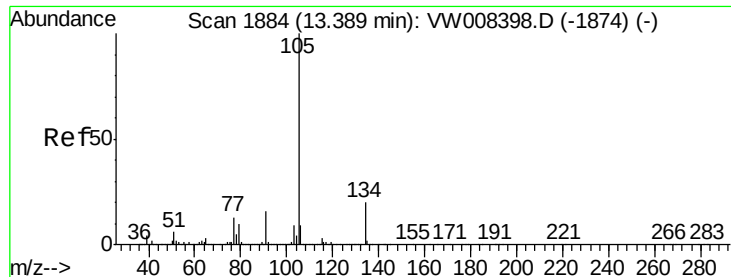
120 46.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

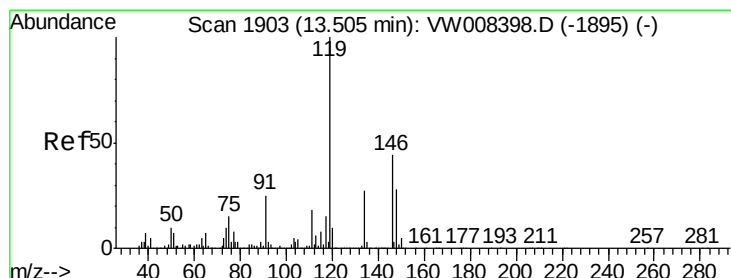
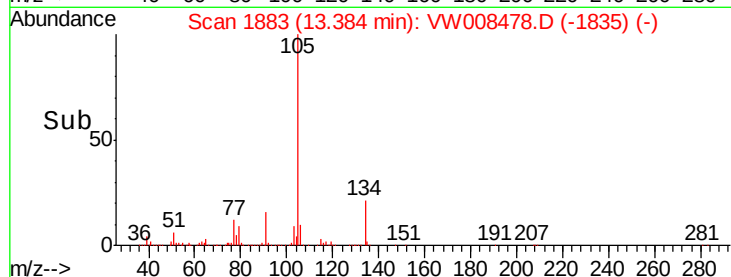
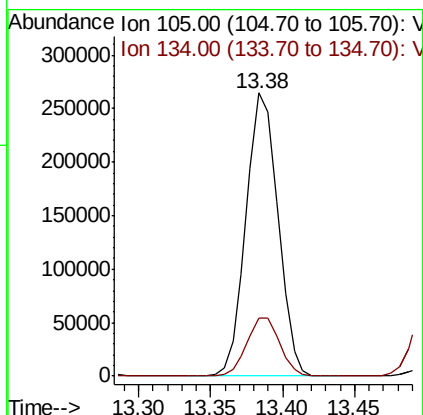
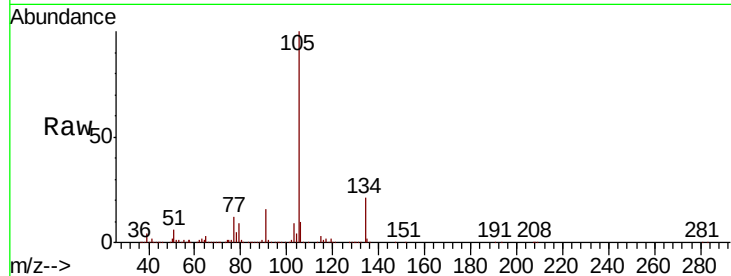




#85
 sec-Butylbenzene
 Concen: 18.005 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

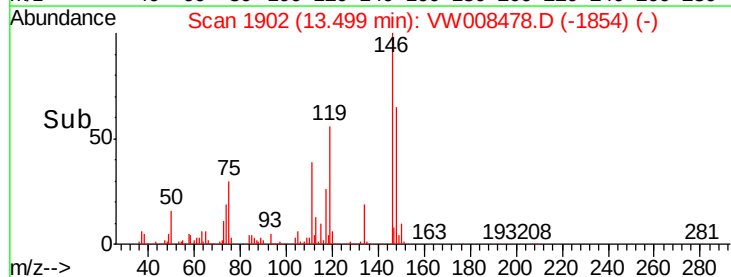
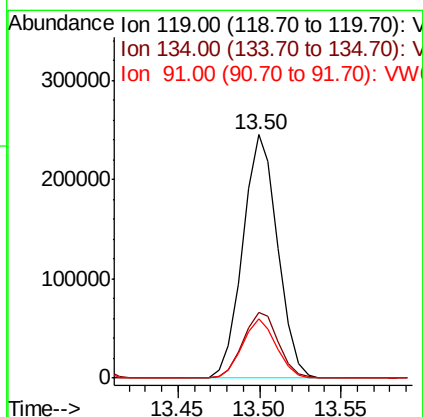
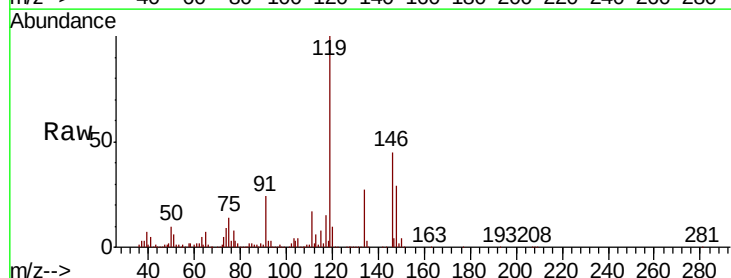
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

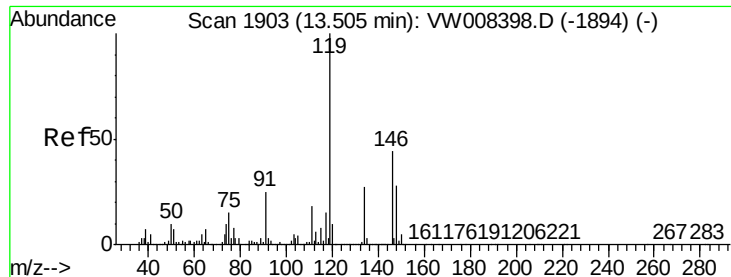
Tgt Ion:105 Resp: 407000
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 18.351 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion:119 Resp: 363373
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.4 40.2
 91 23.6 12.6 37.6

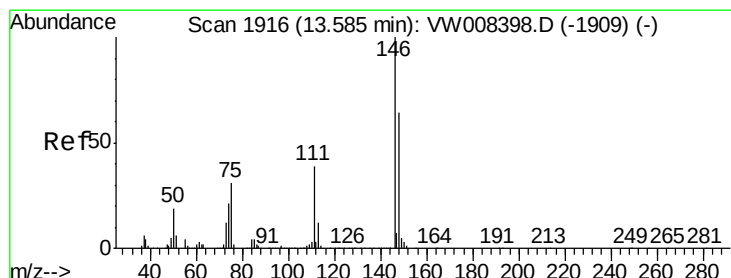
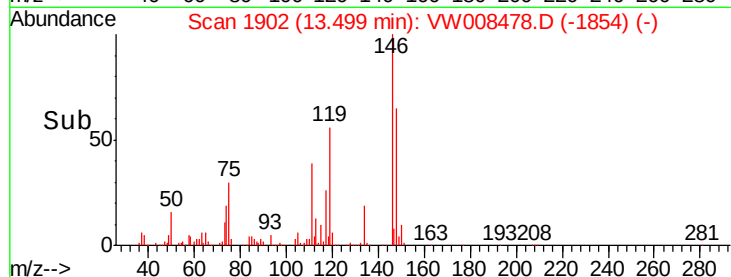
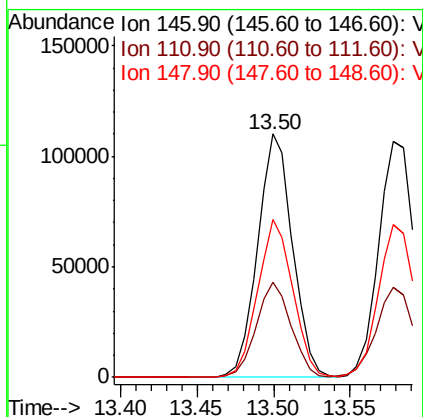
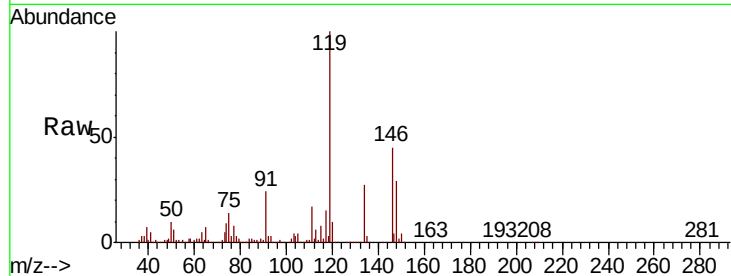




#87
 1,3-Dichlorobenzene
 Concen: 18.662 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

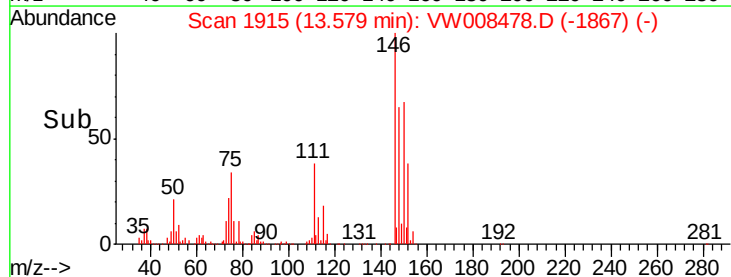
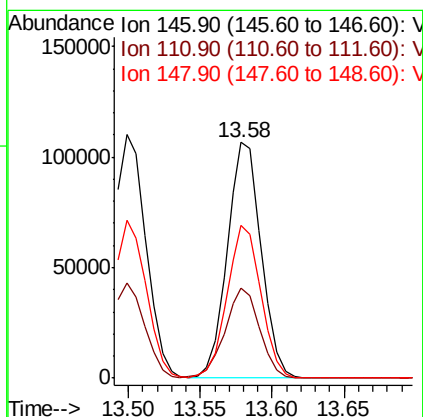
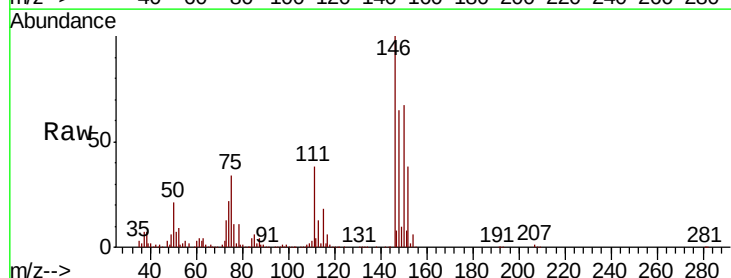
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

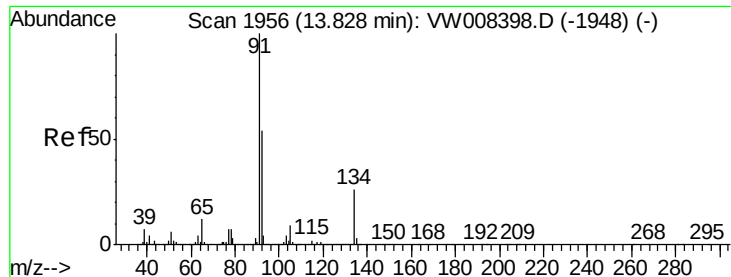
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.3	60.9
148	65.0	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 18.789 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	60.0
148	64.6	32.0	96.2





#89

n-Butylbenzene

Concen: 17.636 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008478.D

Acq: 01 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

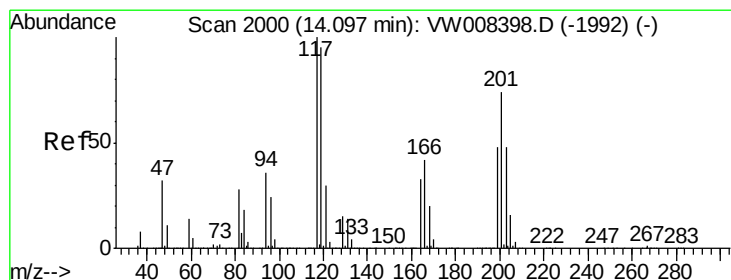
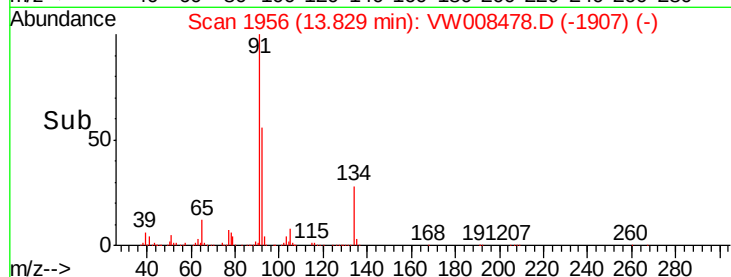
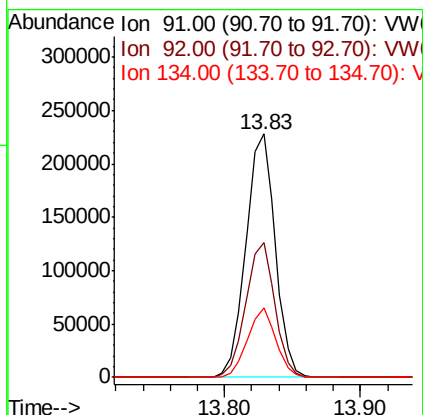
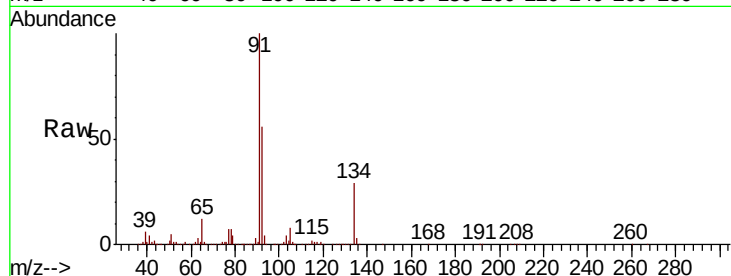
Tgt Ion: 91 Resp: 342867

Ion Ratio Lower Upper

91 100

92 54.9 27.4 82.2

134 27.7 13.0 39.0



#90

Hexachloroethane

Concen: 17.907 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008478.D

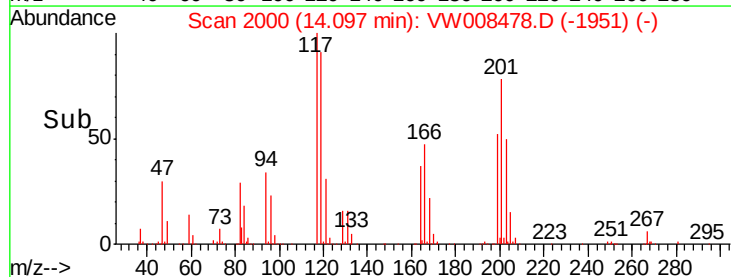
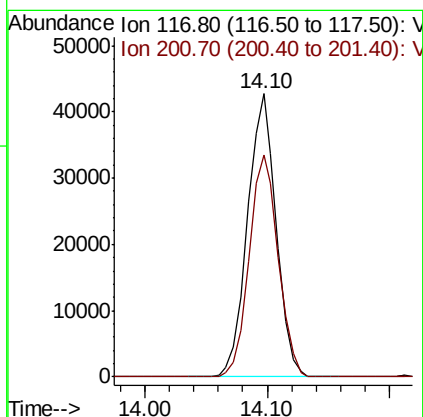
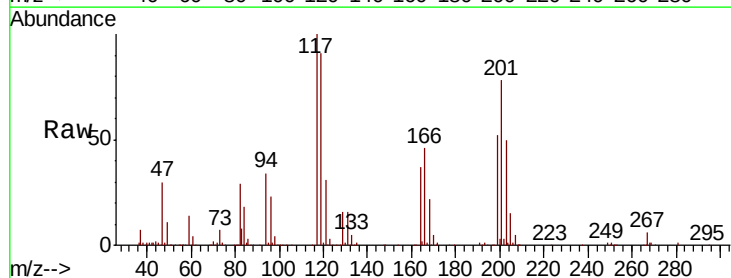
Acq: 01 Feb 2019 13:44

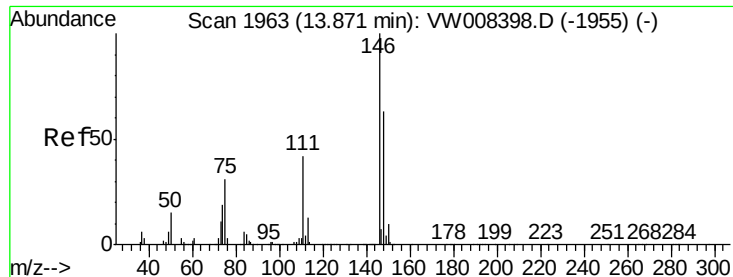
Tgt Ion: 117 Resp: 69341

Ion Ratio Lower Upper

117 100

201 79.7 39.1 117.5

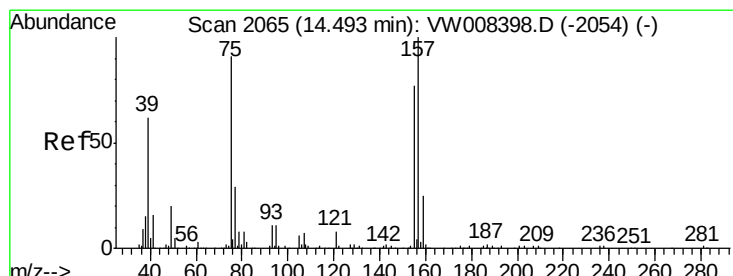
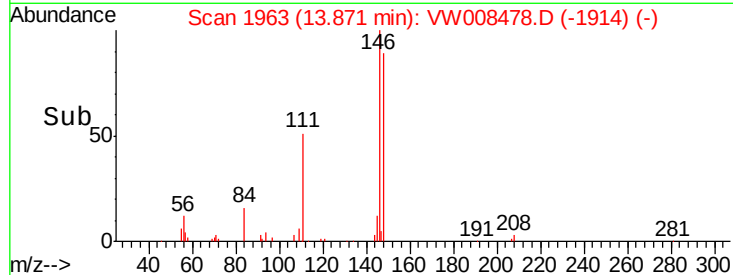
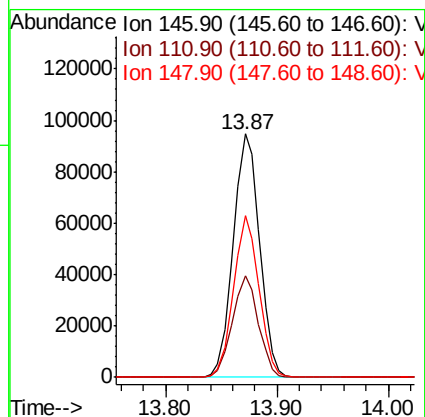
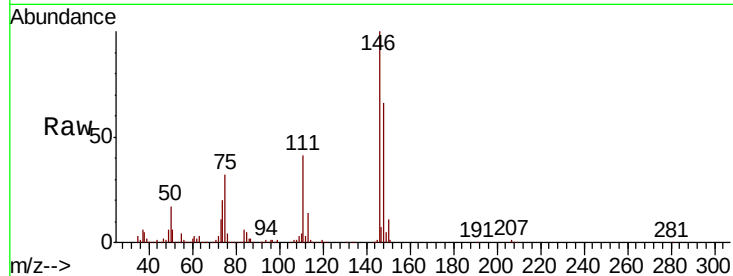




#91
 1,2-Dichlorobenzene
 Concen: 18.631 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

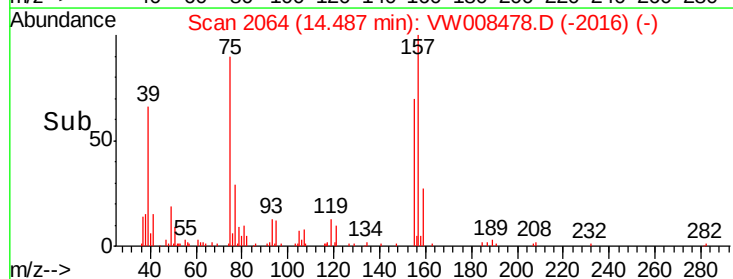
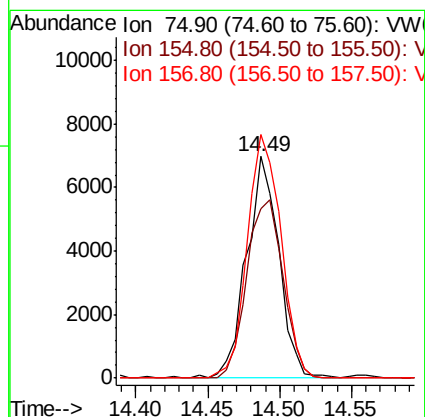
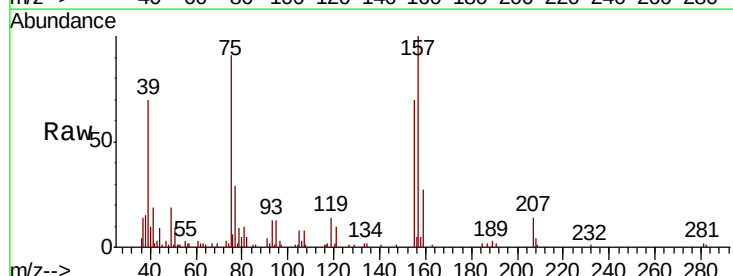
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

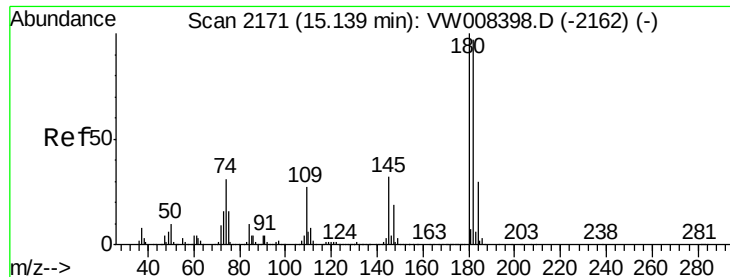
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.3
148	64.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.930 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	42.7	128.1
157	114.3	55.5	166.3

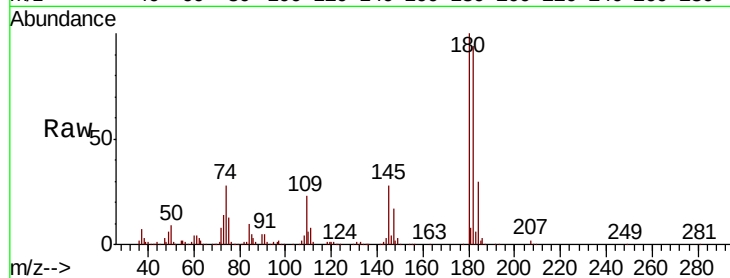




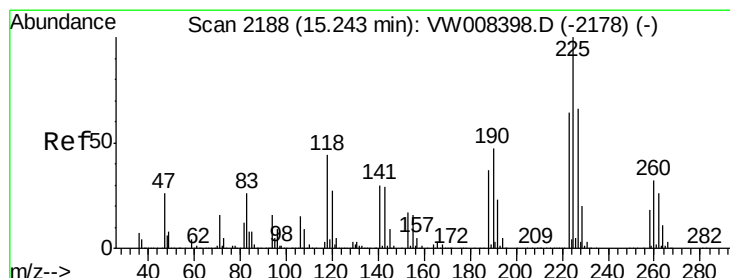
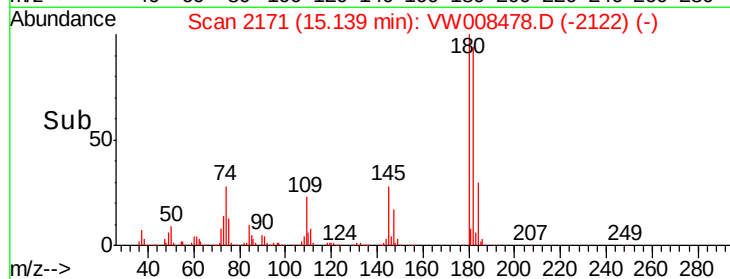
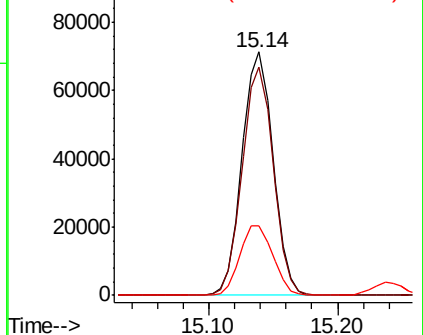
#93
 1,2,4-Trichlorobenzene
 Concen: 20.032 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tgt Ion:180 Resp: 118720
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.7
 145 30.6 15.5 46.5

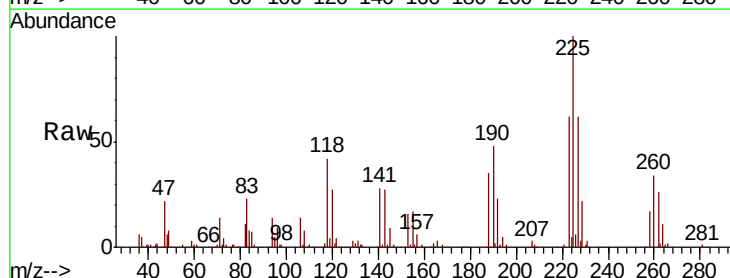


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

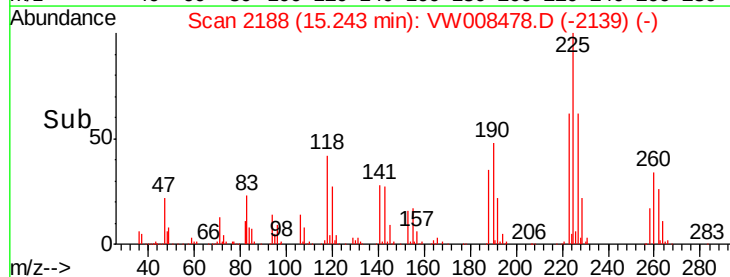
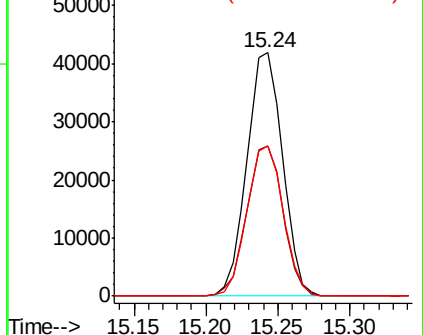


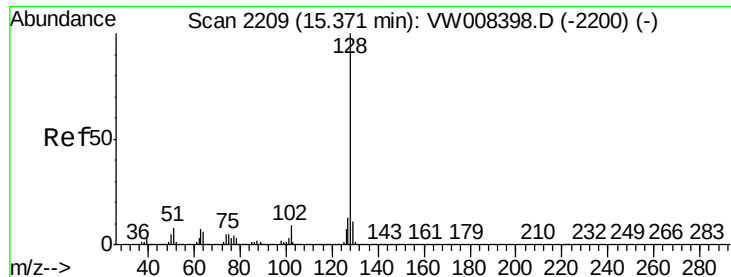
#94
 Hexachlorobutadiene
 Concen: 20.094 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008478.D
 Acq: 01 Feb 2019 13:44

Tgt Ion:225 Resp: 71769
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.7 95.1
 227 62.4 32.1 96.3



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

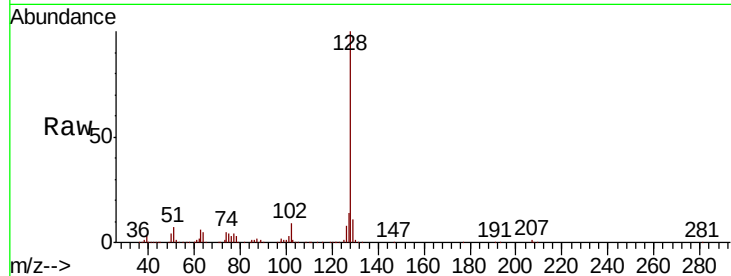




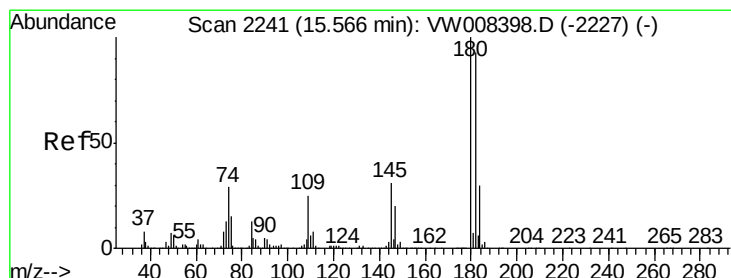
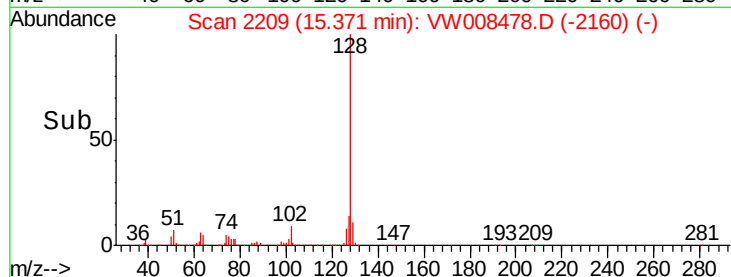
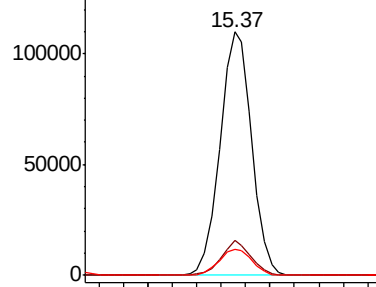
#95
Naphthalene
Concen: 18.949 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tgt Ion:128 Resp: 197182
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.2 8.7 13.1

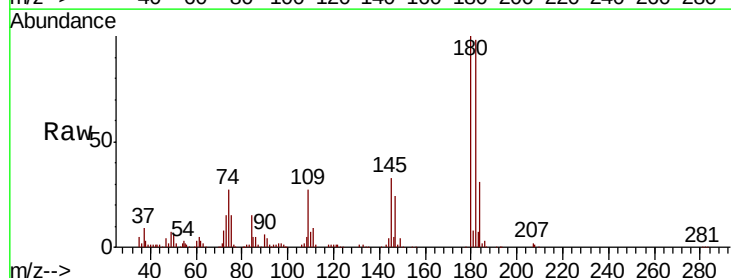


Abundance Ion 128.00 (127.70 to 128.70): V
150000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.917 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008478.D
Acq: 01 Feb 2019 13:44

Tgt Ion:180 Resp: 100129
Ion Ratio Lower Upper
180 100
182 96.3 47.0 141.2
145 32.9 15.9 47.6



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

