

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008990.D
 Acq On : 05 Mar 2019 12:19
 Operator : SY/VA
 Sample : VW0305SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:45:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	259015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189590	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	130359	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
35) Dibromofluoromethane	7.88	113	118413	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
50) Toluene-d8	10.32	98	483613	56.86	ug/l	0.00
Spiked Amount			Recovery	=	113.72%	
62) 4-Bromofluorobenzene	12.62	95	184172	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	56663	21.842	ug/l	100
3) Chloromethane	2.21	50	68423	21.667	ug/l	98
4) Vinyl Chloride	2.35	62	70172	20.988	ug/l	98
5) Bromomethane	2.76	94	68357	27.526	ug/l	99
6) Chloroethane	2.92	64	49357	20.789	ug/l	97
7) Trichlorofluoromethane	3.26	101	97251	22.998	ug/l	98
8) Diethyl Ether	3.69	74	27131	20.266	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59704	23.250	ug/l	96
10) Methyl Iodide	4.27	142	49422	15.391	ug/l	99
11) Tert butyl alcohol	5.19	59	17519	81.003	ug/l	98
12) 1,1-Dichloroethene	4.04	96	51771	22.828	ug/l	94
13) Acrolein	3.91	56	15094	80.711	ug/l	98
14) Allyl chloride	4.67	41	87069	22.245	ug/l	96
15) Acrylonitrile	5.37	53	57637	100.316	ug/l	95
16) Acetone	4.14	43	56137	99.693	ug/l	97
17) Carbon Disulfide	4.37	76	160046	21.270	ug/l	100
18) Methyl Acetate	4.68	43	24863	18.615	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	124709	20.316	ug/l	96
20) Methylene Chloride	4.92	84	63817	19.934	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	60388	23.020	ug/l	96
22) Diisopropyl ether	6.31	45	175622	22.493	ug/l	98
23) Vinyl Acetate	6.26	43	513022	106.344	ug/l	99
24) 1,1-Dichloroethane	6.21	63	105215	23.254	ug/l	99
25) 2-Butanone	7.18	43	76555	97.244	ug/l	95
26) 2,2-Dichloropropane	7.17	77	100483	24.462	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	63706	22.702	ug/l	98
28) Bromochloromethane	7.51	49	40036	21.145	ug/l	99
29) Tetrahydrofuran	7.53	42	45322	90.339	ug/l	98
30) Chloroform	7.67	83	105658	22.763	ug/l	98
31) Cyclohexane	7.95	56	105210	22.972	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	104192	24.684	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90287	25.275	ug/l	99
37) Ethyl Acetate	7.26	43	32369	19.486	ug/l #	96
38) Carbon Tetrachloride	8.07	117	92858	24.649	ug/l	97

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Quant Time: Mar 06 06:45:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	101180	22.708	ug/l	98
40) Benzene	8.32	78	230914	23.675	ug/l	97
41) Methacrylonitrile	7.49	41	18008	18.442	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70380	22.779	ug/l	99
43) Isopropyl Acetate	8.42	43	64075	19.327	ug/l	99
44) Trichloroethene	9.09	130	67078	24.413	ug/l	99
45) 1,2-Dichloropropane	9.37	63	57432	23.829	ug/l	95
46) Dibromomethane	9.46	93	30526	22.770	ug/l	94
47) Bromodichloromethane	9.64	83	77451	23.745	ug/l	95
48) Methyl methacrylate	9.44	41	31328	19.730	ug/l	96
49) 1,4-Dioxane	9.45	88	7274	338.813	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	163151	96.928	ug/l	99
52) Toluene	10.38	92	156124	23.586	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73162	22.006	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	86086	22.703	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40982	22.541	ug/l	92
56) Ethyl methacrylate	10.65	69	46879	19.846	ug/l	97
57) 1,3-Dichloropropane	10.93	76	71046	22.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	116460	98.029	ug/l	100
59) 2-Hexanone	10.97	43	116059	96.863	ug/l	100
60) Dibromochloromethane	11.13	129	48113	21.696	ug/l	97
61) 1,2-Dibromoethane	11.23	107	37620	20.904	ug/l	98
64) Tetrachloroethene	10.86	164	58303	23.768	ug/l	97
65) Chlorobenzene	11.66	112	170525	23.665	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	56514	23.196	ug/l	96
67) Ethyl Benzene	11.73	91	309210	24.005	ug/l	98
68) m/p-Xylenes	11.84	106	244644	47.534	ug/l	100
69) o-Xylene	12.17	106	112479	23.284	ug/l	99
70) Styrene	12.18	104	182413	23.471	ug/l	100
71) Bromoform	12.35	173	27611	21.083	ug/l #	100
73) Isopropylbenzene	12.47	105	314595	24.205	ug/l	99
74) N-amyl acetate	12.27	43	62250	19.014	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44669	21.034	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	60862	38.882	ug/l #	100
77) Bromobenzene	12.75	156	71044	23.131	ug/l	99
78) n-propylbenzene	12.80	91	390662	24.572	ug/l	99
79) 2-Chlorotoluene	12.89	91	213526	23.655	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	264433	23.412	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	13205	20.509	ug/l	98
82) 4-Chlorotoluene	12.99	91	229659	24.144	ug/l	99
83) tert-Butylbenzene	13.21	119	227985	23.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	267133	22.848	ug/l	100
85) sec-Butylbenzene	13.38	105	339513	24.177	ug/l	99
86) p-Isopropyltoluene	13.50	119	300158	23.316	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	148207	23.258	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	145337	23.141	ug/l	97
89) n-Butylbenzene	13.83	91	281569	23.346	ug/l	100
90) Hexachloroethane	14.10	117	50819	24.114	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	131396	23.142	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7838	20.403	ug/l	93

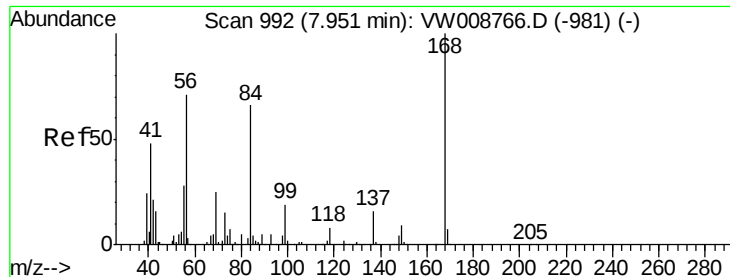
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	88591	21.655	ug/l	99
94) Hexachlorobutadiene	15.24	225	60135	24.955	ug/l	98
95) Naphthalene	15.38	128	131512	18.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	74722	21.125	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

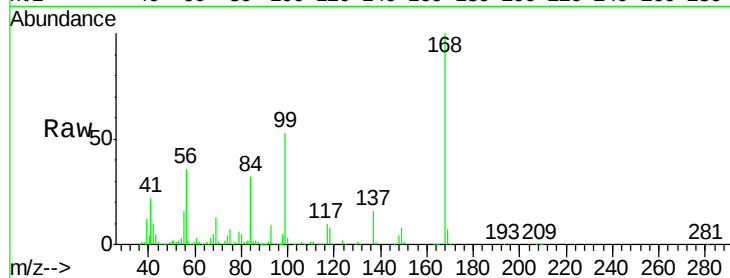
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 259015

Ion Ratio Lower Upper

168 100

99 52.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

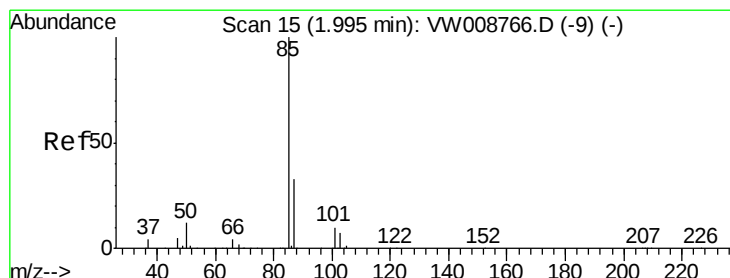
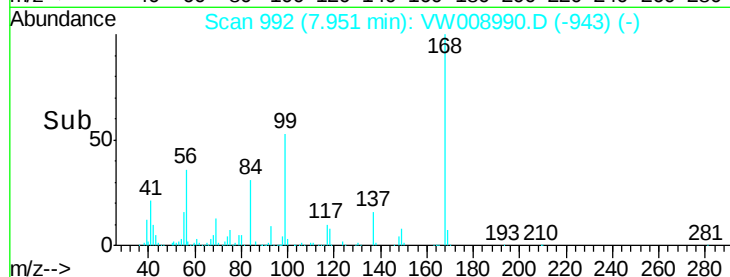
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.842 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008990.D

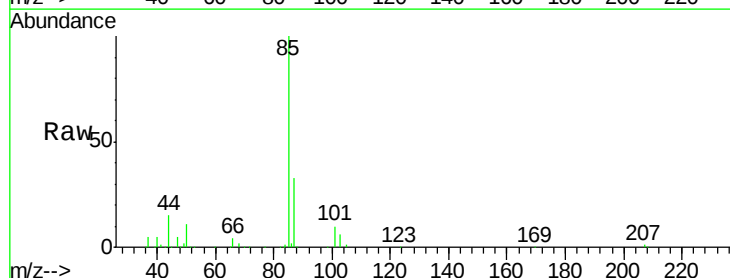
Acq: 05 Mar 2019 12:19

Tgt Ion: 85 Resp: 56663

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

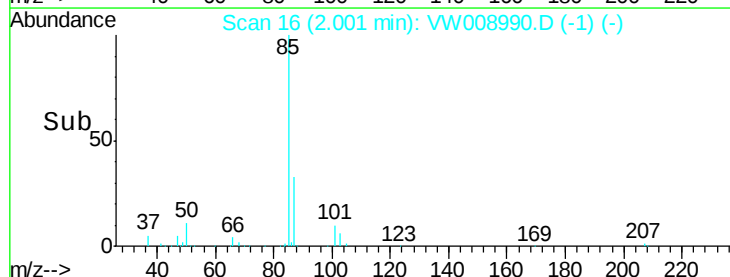
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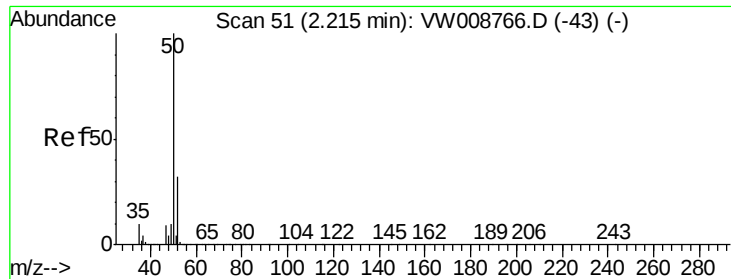
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10000

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Time-->

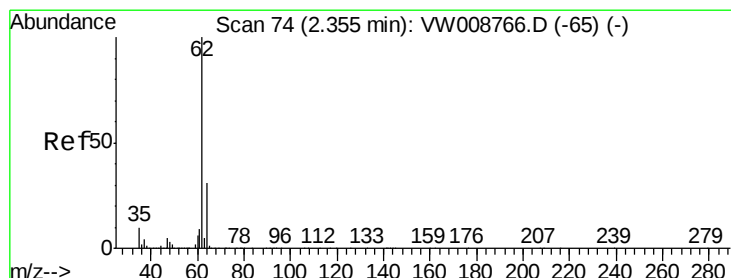
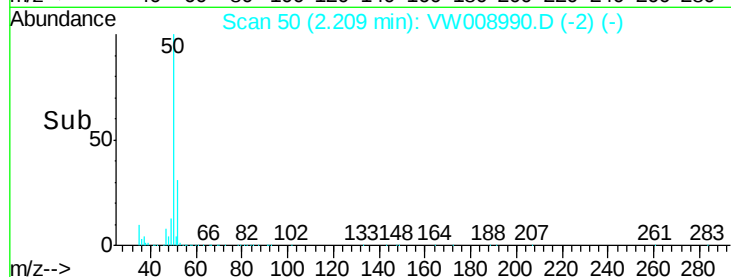
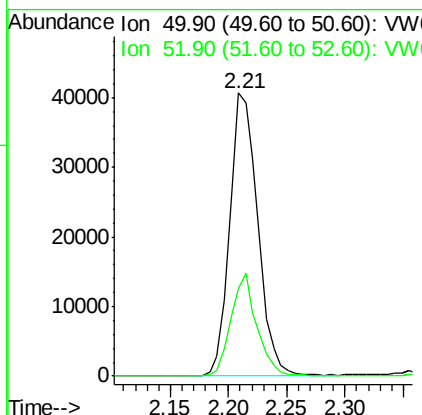
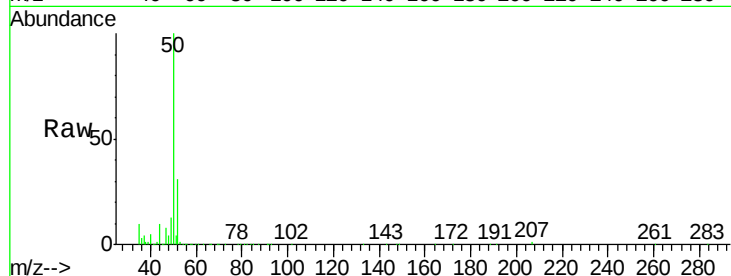




#3
Chloromethane
Concen: 21.667 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

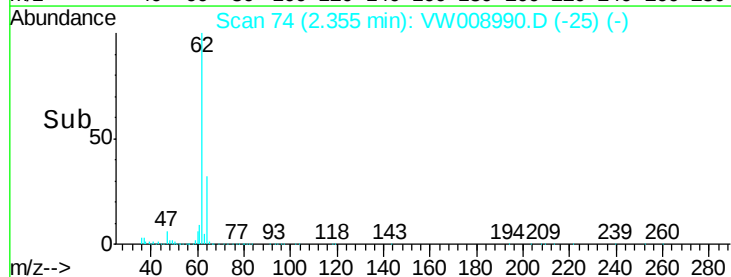
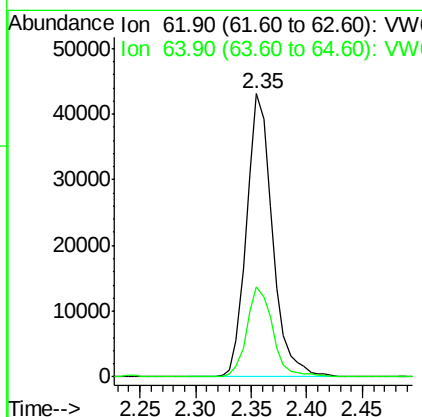
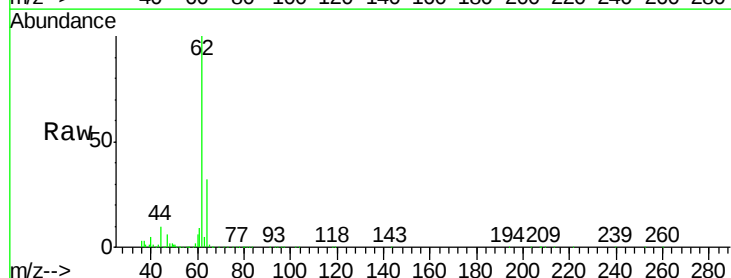
Instrument :
MSVOA_W
ClientSampled :

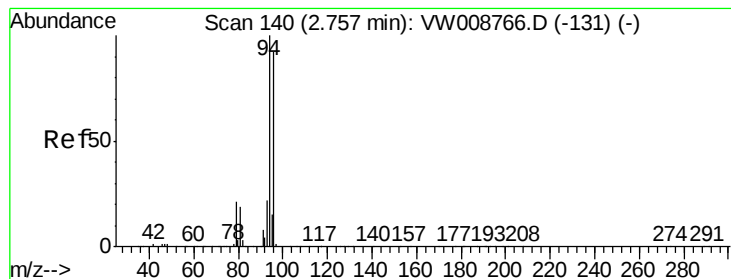
Tot Ion: 50 Resp: 68423
Ion Ratio Lower Upper
50 100
52 31.0 25.9 38.9



#4
Vinyl Chloride
Concen: 20.988 ug/l
RT: 2.35 min Scan# 74
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 62 Resp: 70172
Ion Ratio Lower Upper
62 100
64 32.1 24.9 37.3





#5

Bromomethane

Concen: 27.526 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

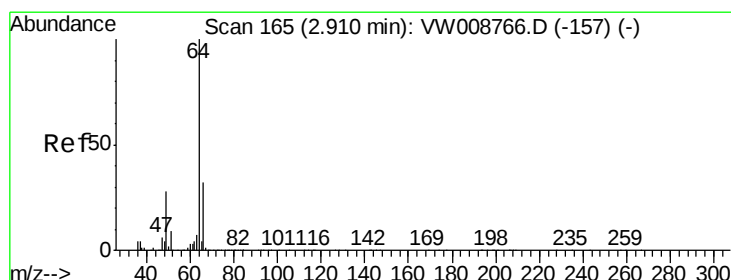
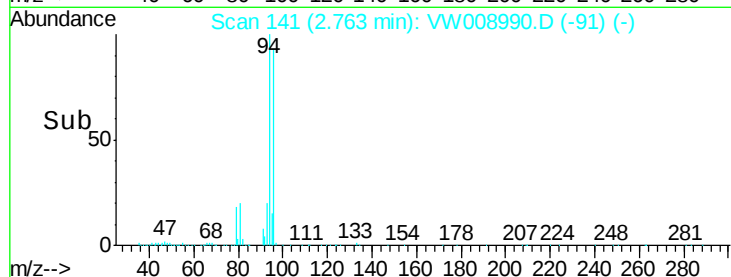
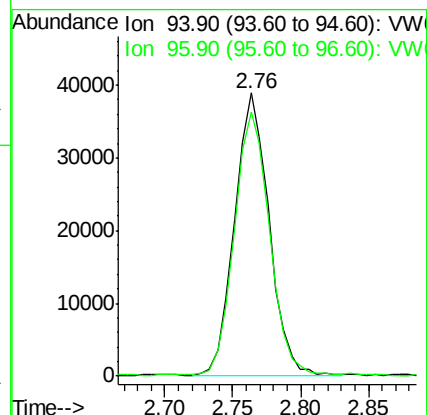
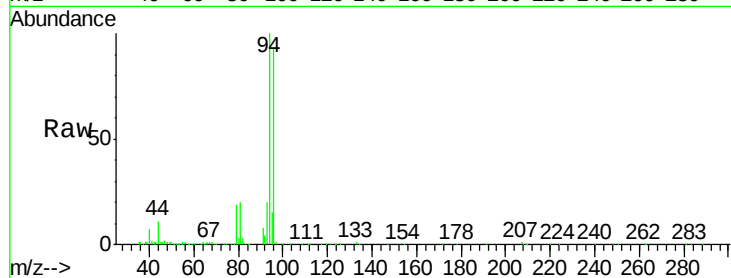
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 68357

Ion Ratio Lower Upper

94 100

96 92.8 73.4 110.2



#6

Chloroethane

Concen: 20.789 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008990.D

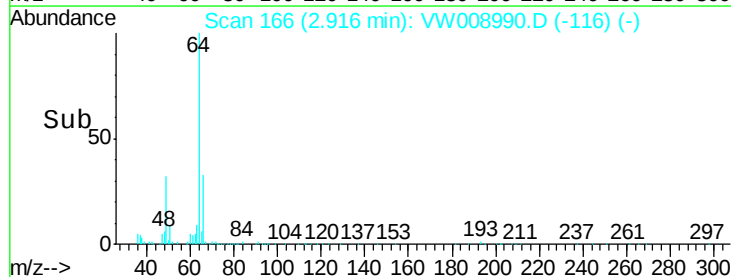
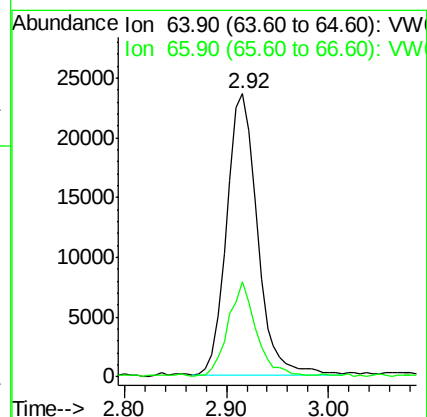
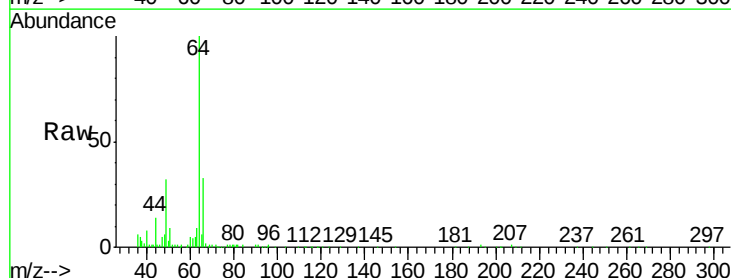
Acq: 05 Mar 2019 12:19

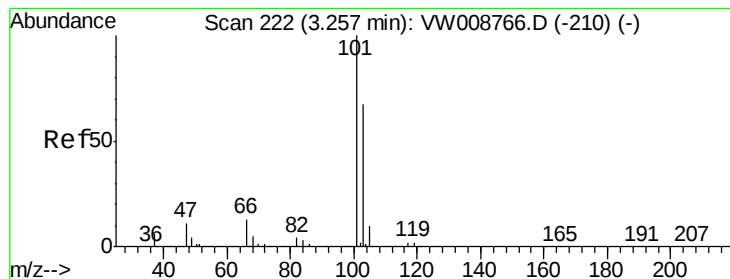
Tgt Ion: 64 Resp: 49357

Ion Ratio Lower Upper

64 100

66 33.3 25.5 38.3



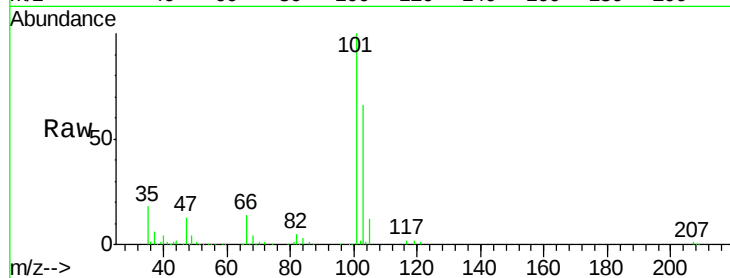


#7

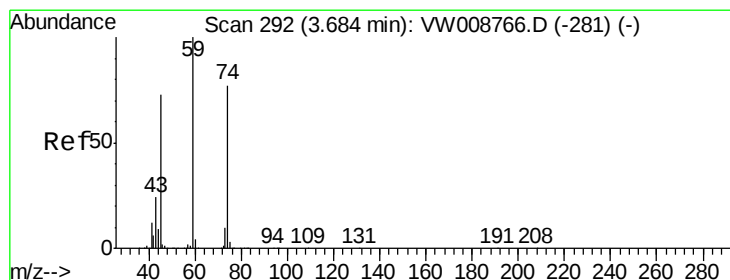
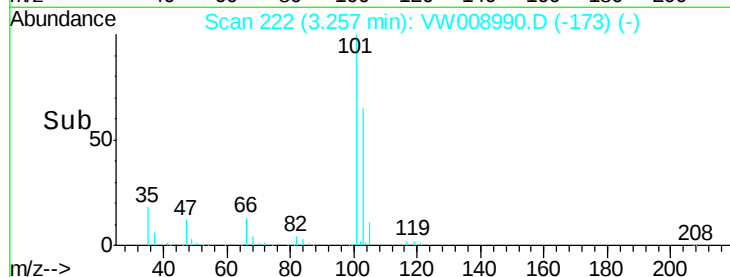
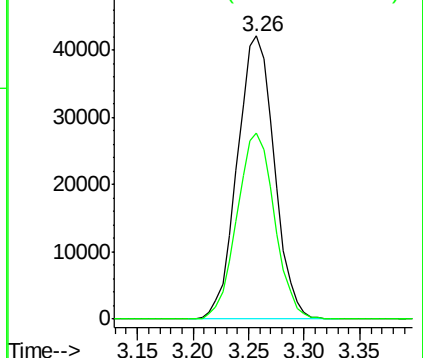
Trichlorofluoromethane
 Concen: 22.998 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:101 Resp: 97251
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.9 80.9



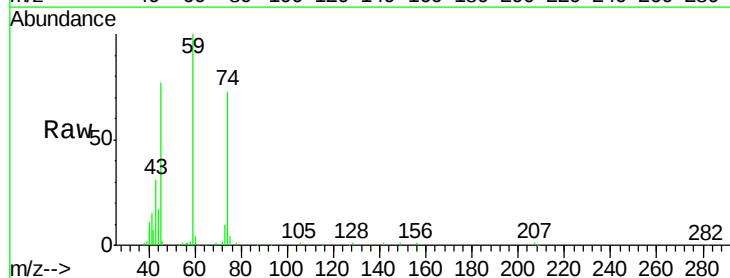
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



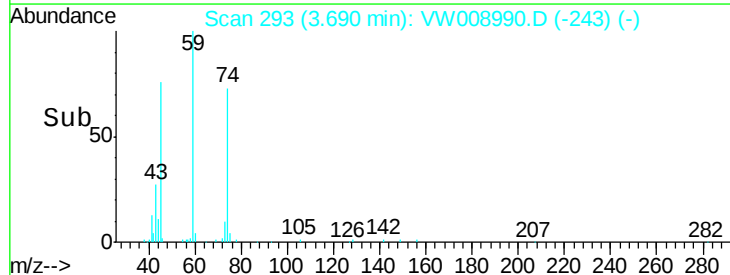
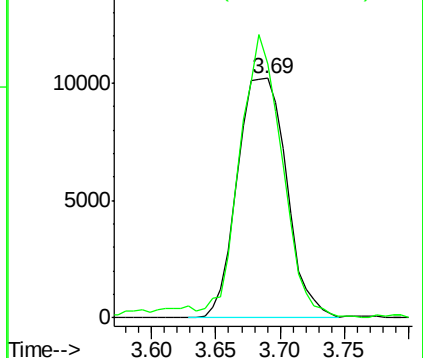
#8

Diethyl Ether
 Concen: 20.266 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 74 Resp: 27131
 Ion Ratio Lower Upper
 74 100
 45 101.8 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.250 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

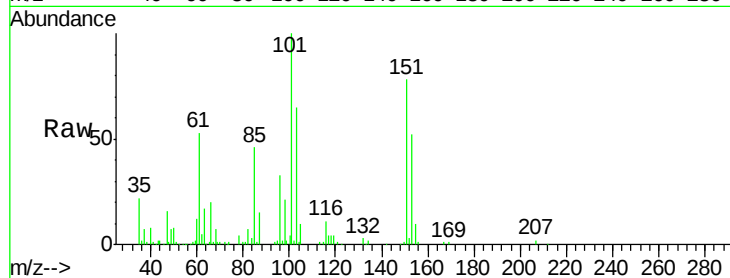
Tot Ion:101 Resp: 59704

Ion Ratio Lower Upper

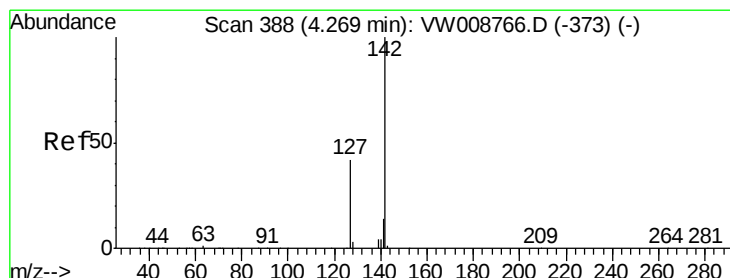
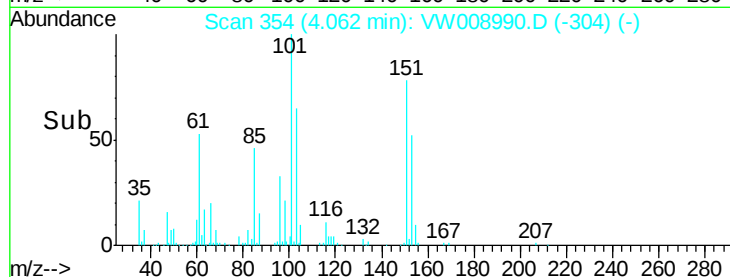
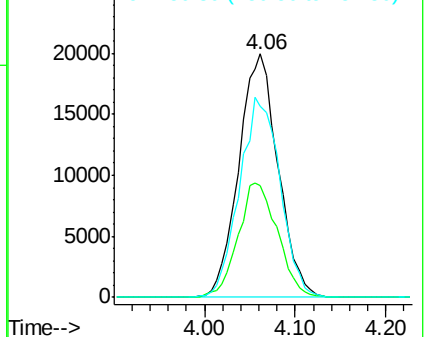
101 100

85 47.1 36.0 54.0

151 85.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.391 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

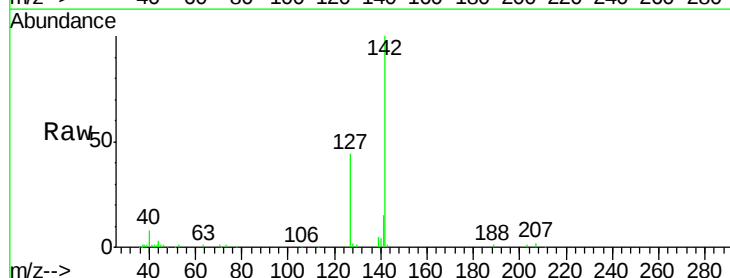
Tgt Ion:142 Resp: 49422

Ion Ratio Lower Upper

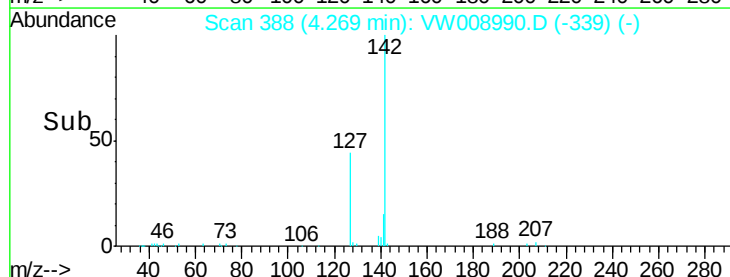
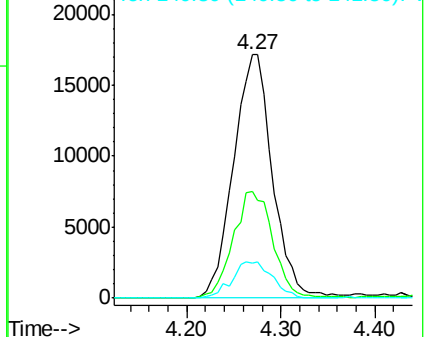
142 100

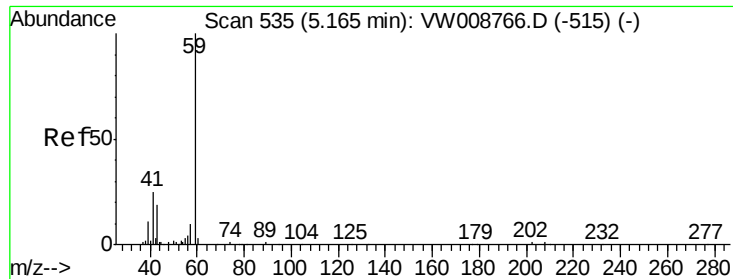
127 44.8 35.3 52.9

141 15.6 11.7 17.5



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



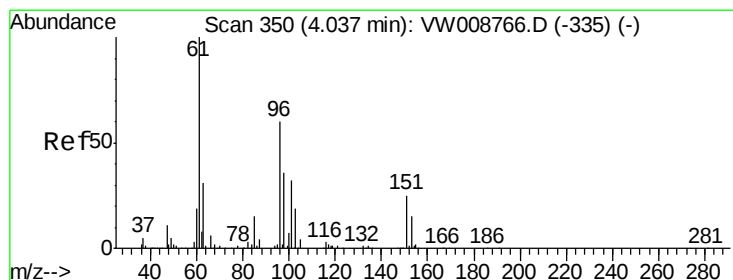
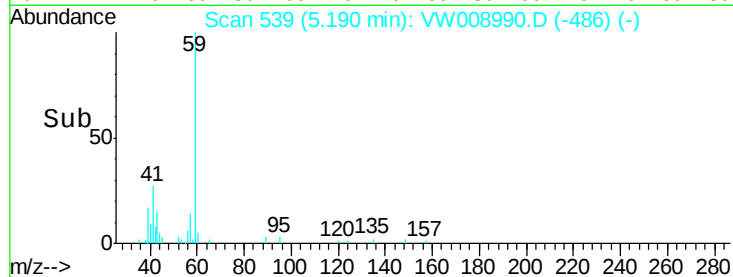
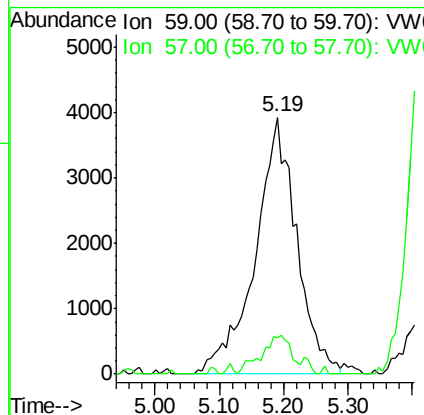
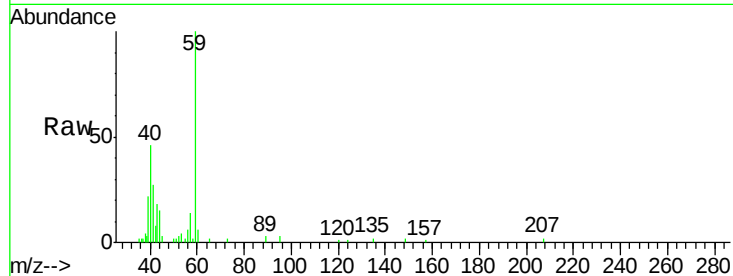


#11

Tert butyl alcohol
 Concen: 81.003 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :

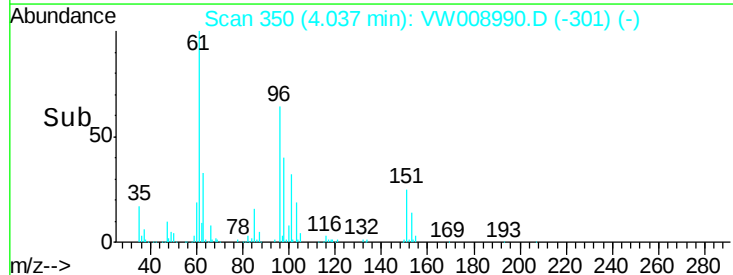
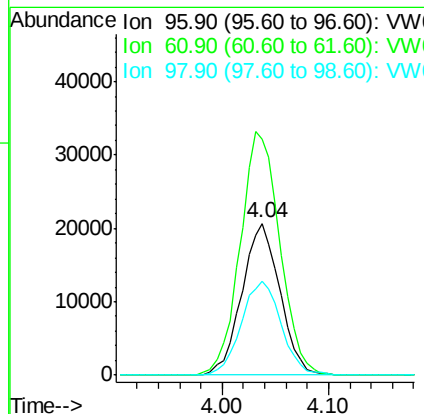
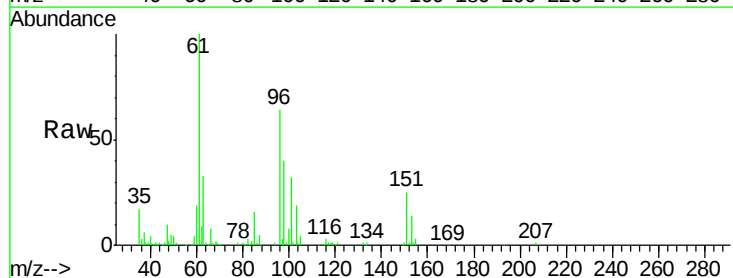
Tot Ion: 59 Resp: 17519
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.3 13.9

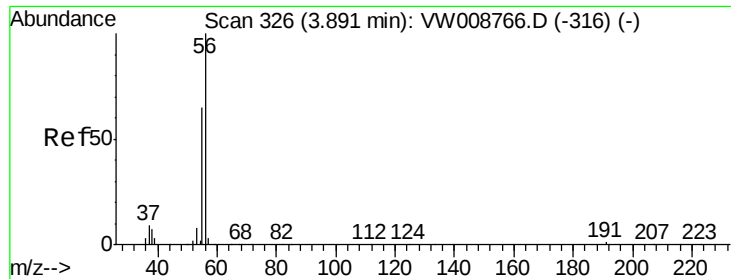


#12

1,1-Dichloroethene
 Concen: 22.828 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 96 Resp: 51771
 Ion Ratio Lower Upper
 96 100
 61 155.2 132.5 198.7
 98 62.0 48.2 72.4





#13

Acrolein

Concen: 80.711 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

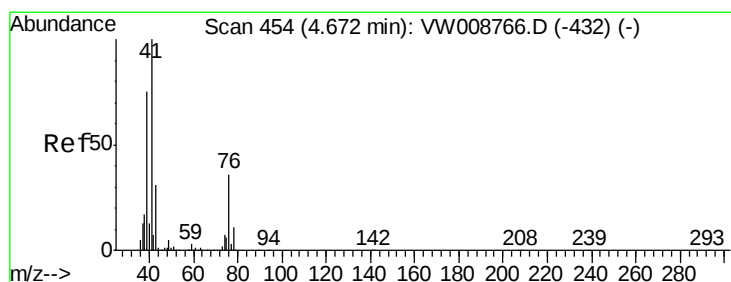
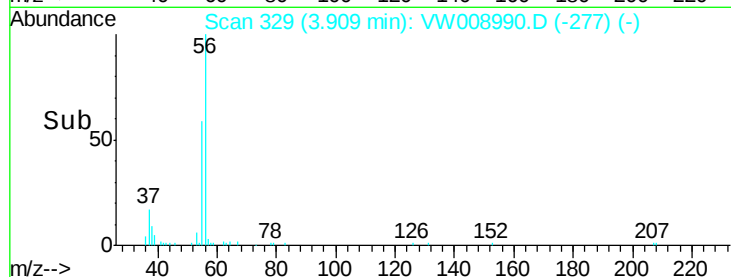
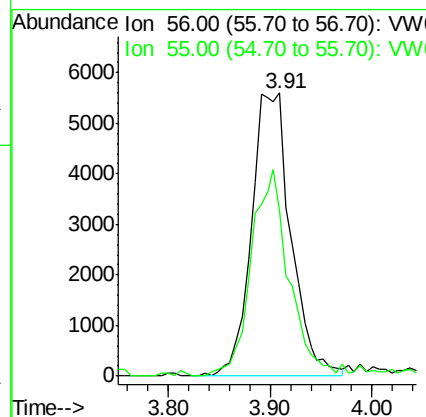
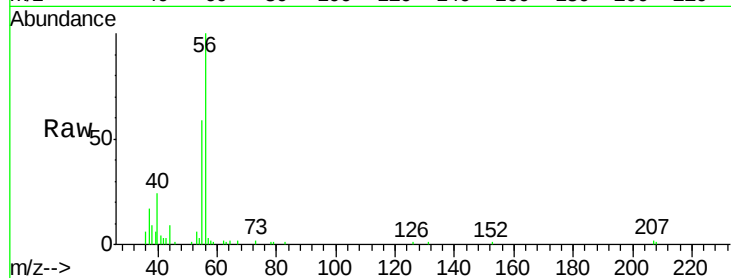
ClientSampleId :

Tot Ion: 56 Resp: 15094

Ion Ratio Lower Upper

56 100

55 69.2 56.9 85.3



#14

Allyl chloride

Concen: 22.245 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

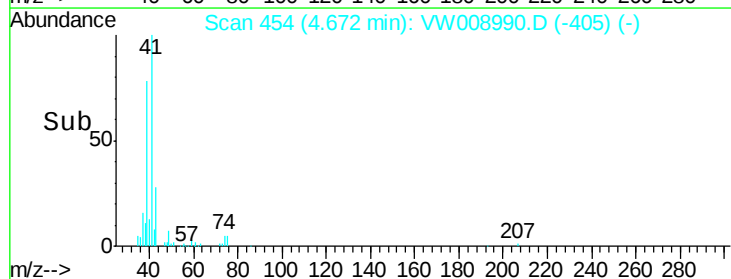
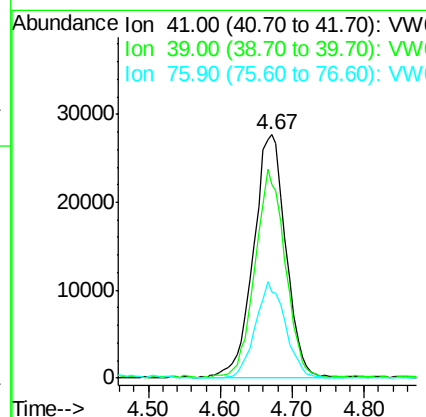
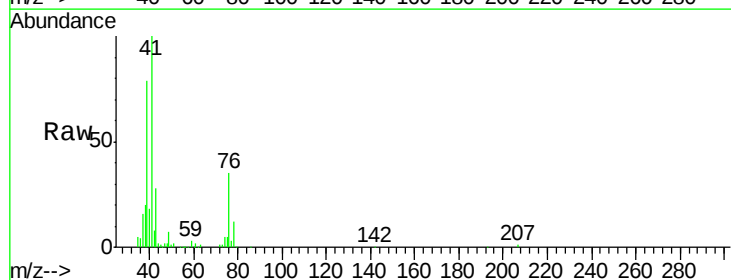
Tgt Ion: 41 Resp: 87069

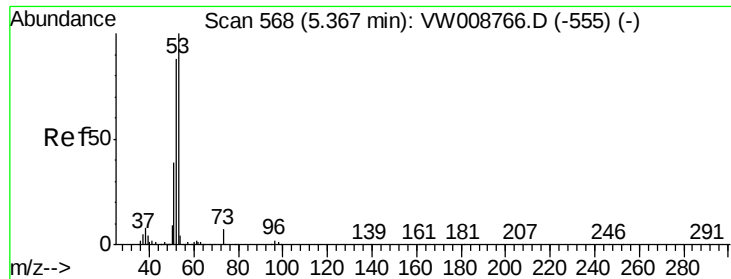
Ion Ratio Lower Upper

41 100

39 80.1 60.6 91.0

76 36.4 28.6 42.8





#15

Acrylonitrile

Concen: 100.316 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

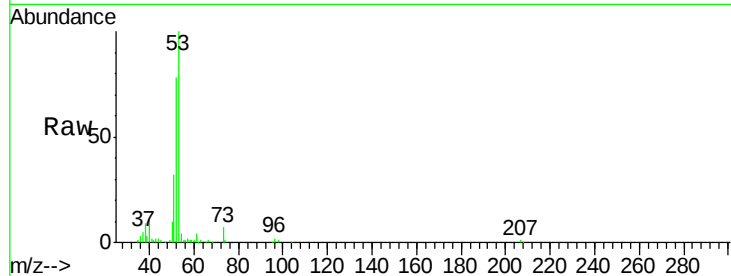
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 57637

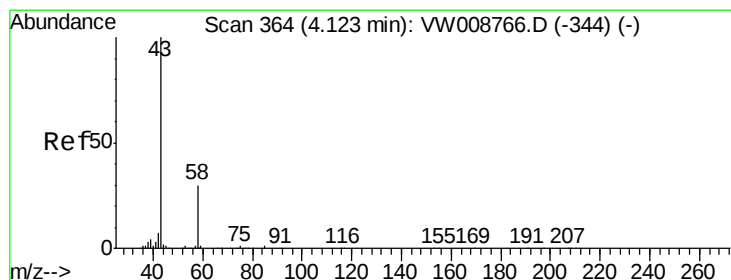
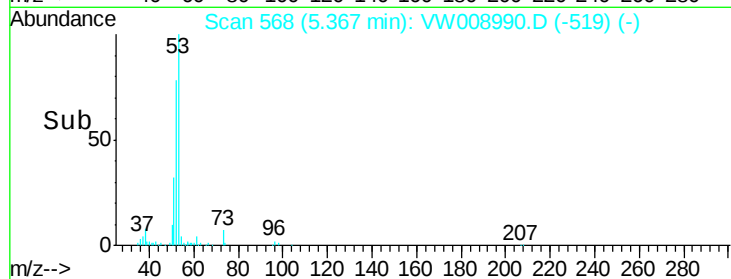
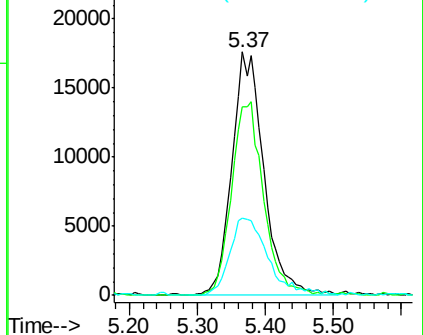
Ion	Ratio	Lower	Upper
53	100		
52	79.2	67.2	100.8
51	36.9	31.1	46.7



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 99.693 ug/l

RT: 4.14 min Scan# 366

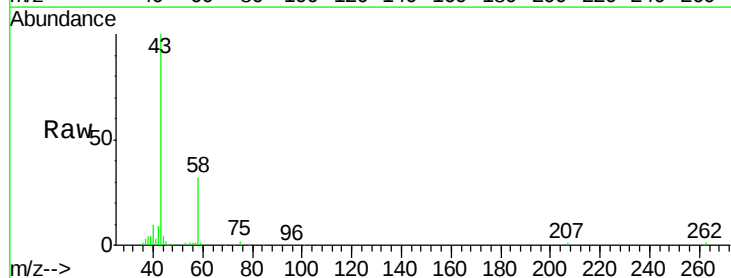
Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

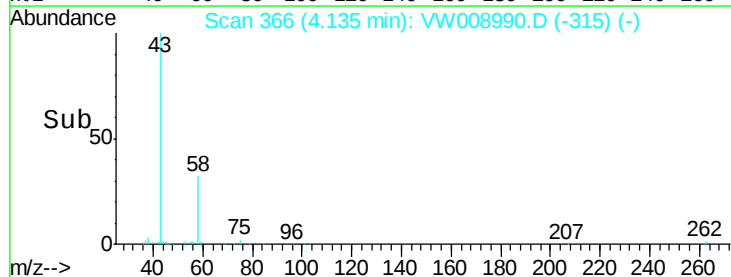
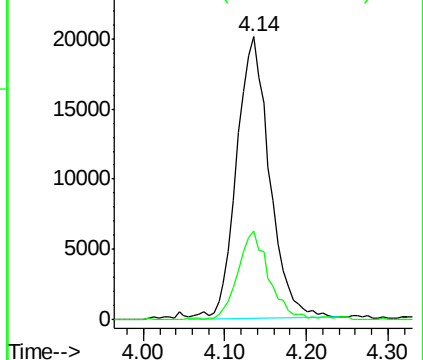
Tgt Ion: 43 Resp: 56137

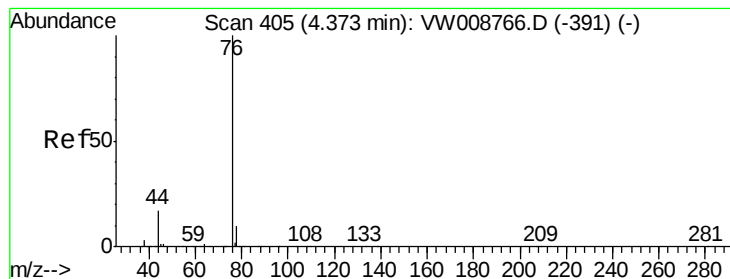
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.8	35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 21.270 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

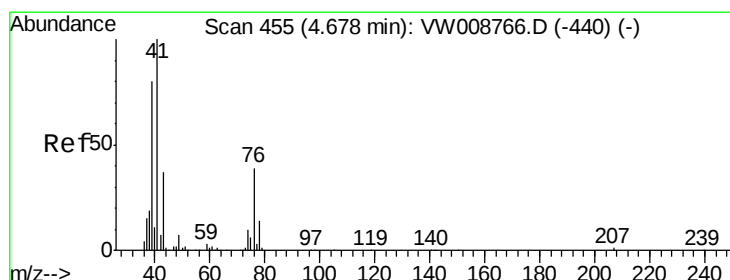
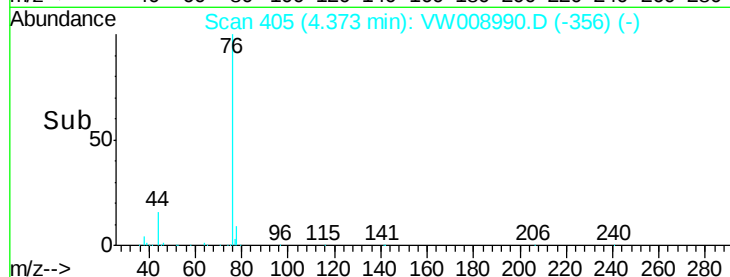
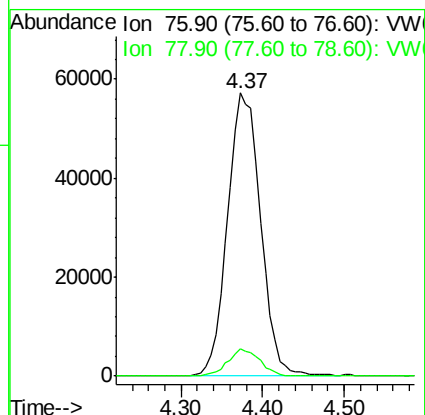
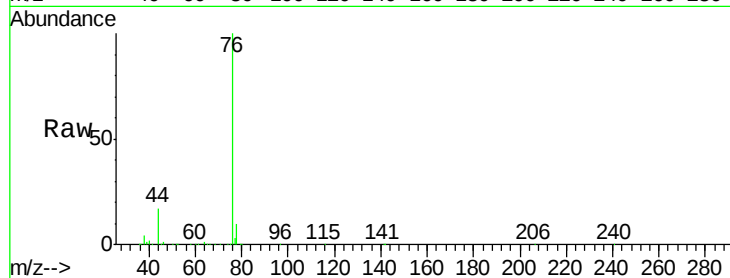
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 160046

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.8



#18

Methyl Acetate

Concen: 18.615 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008990.D

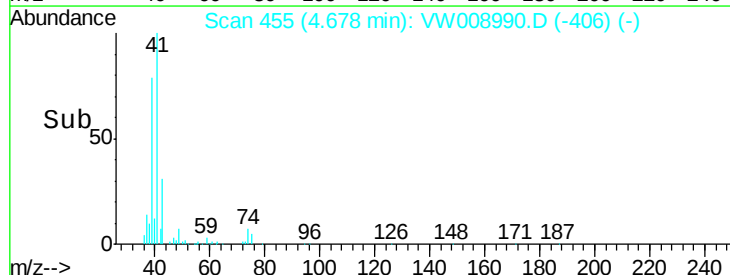
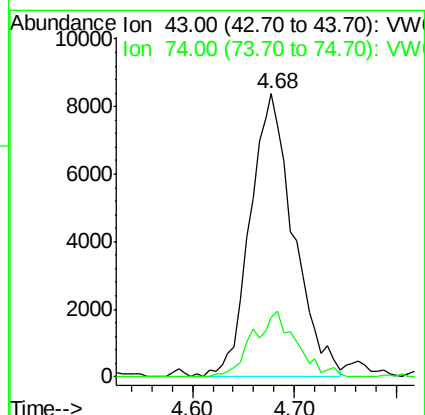
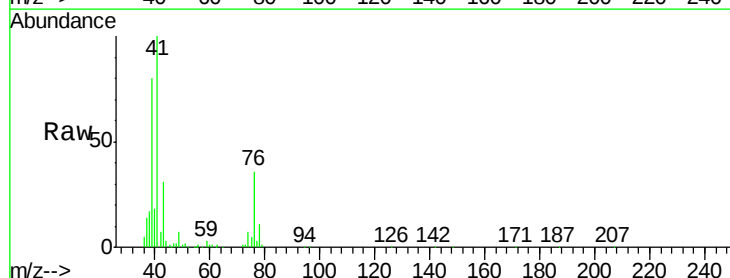
Acq: 05 Mar 2019 12:19

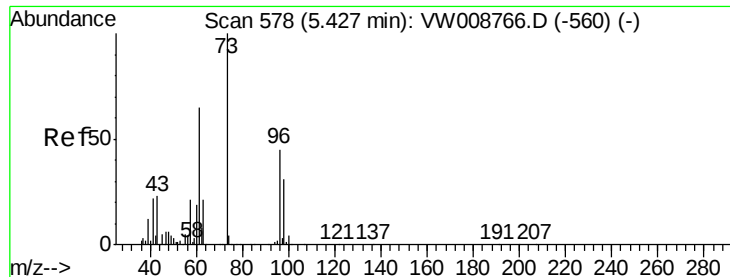
Tgt Ion: 43 Resp: 24863

Ion Ratio Lower Upper

43 100

74 23.3 19.4 29.2

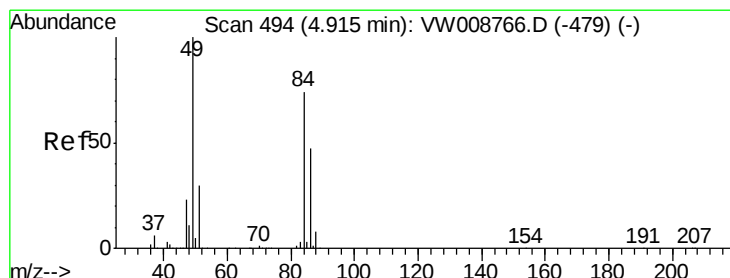
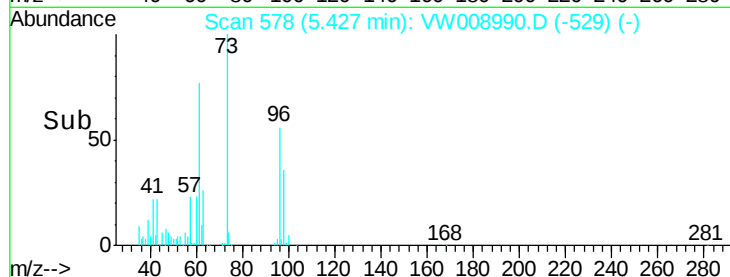
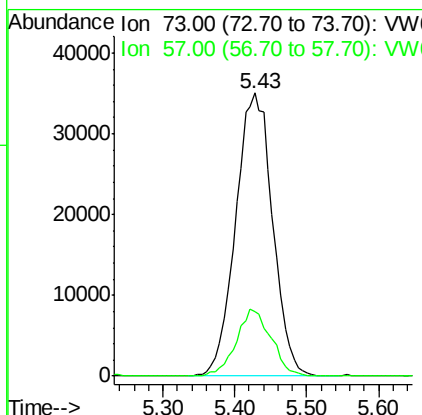
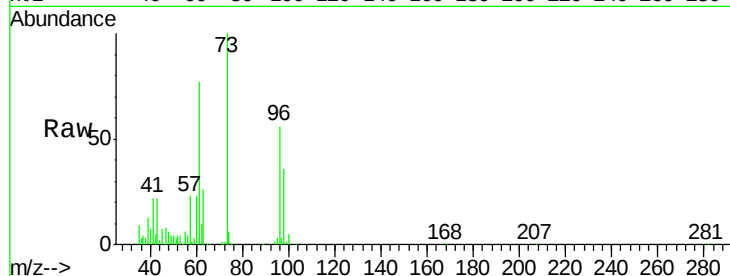




#19
Methyl tert-butyl Ether
Concen: 20.316 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

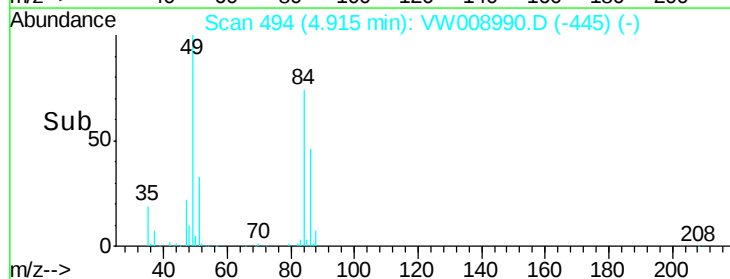
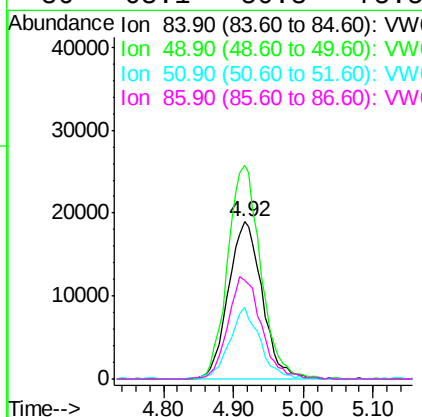
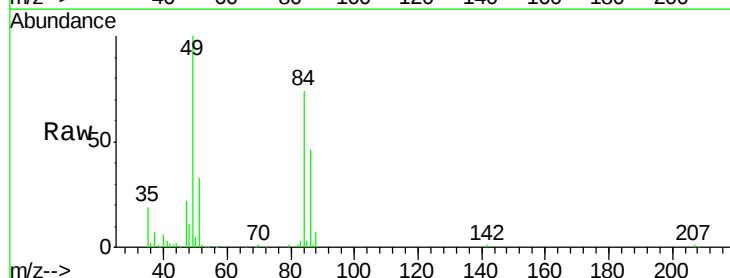
Instrument :
MSVOA_W
ClientSampled :

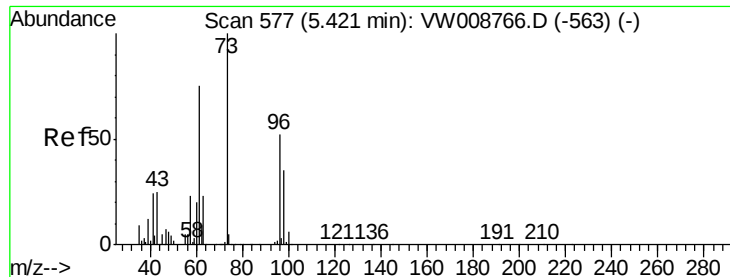
Tot Ion: 73 Resp: 124709
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2



#20
Methylene Chloride
Concen: 19.934 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 84 Resp: 63817
Ion Ratio Lower Upper
84 100
49 136.1 108.2 162.2
51 45.5 32.7 49.1
86 63.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 23.020 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

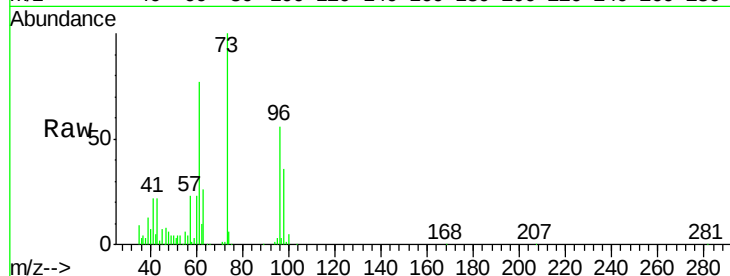
Tot Ion: 96 Resp: 60388

Ion Ratio Lower Upper

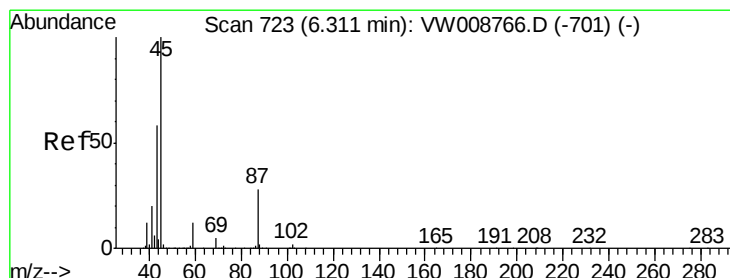
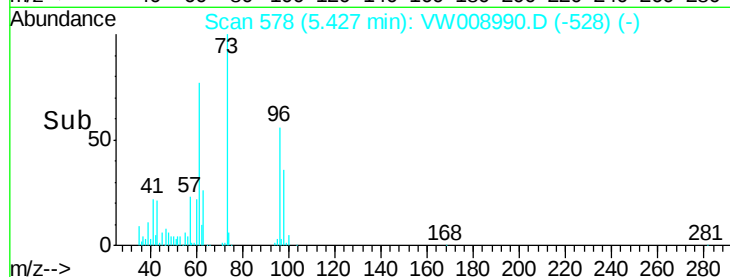
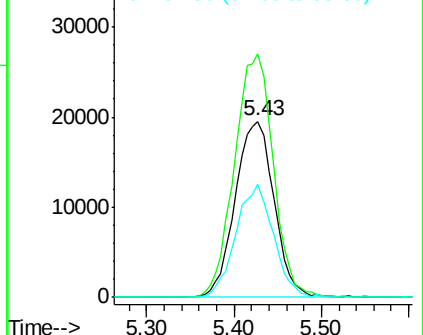
96 100

61 138.1 114.6 171.8

98 64.1 54.0 81.0



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



#22

Diisopropyl ether

Concen: 22.493 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion: 45 Resp: 175622

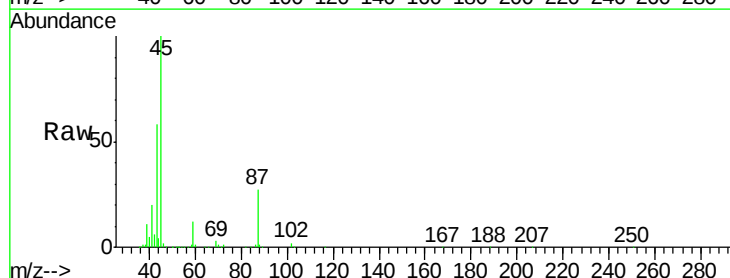
Ion Ratio Lower Upper

45 100

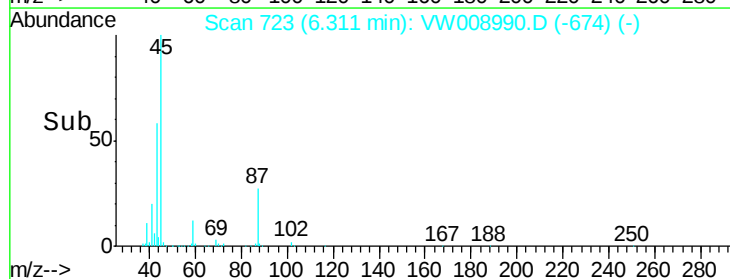
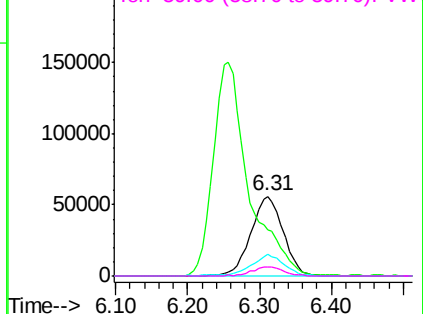
43 56.6 46.1 69.1

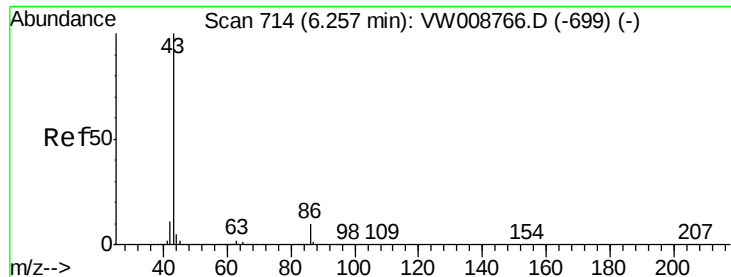
87 26.9 22.2 33.4

59 11.7 10.0 15.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 106.344 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

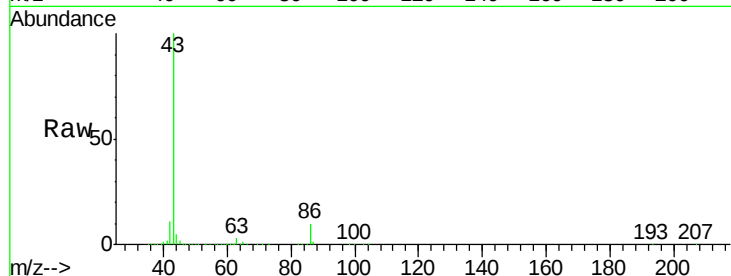
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 513022

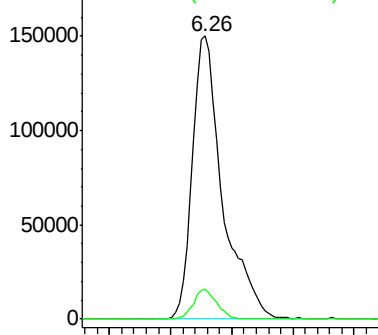
Ion Ratio Lower Upper

43 100

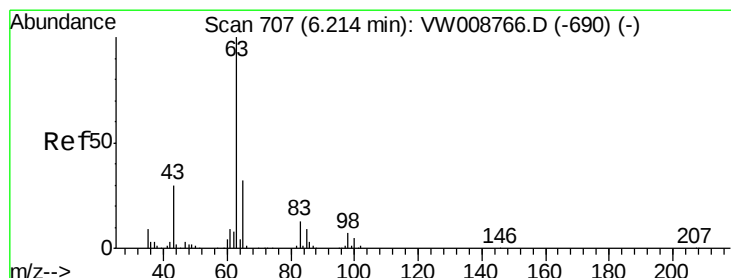
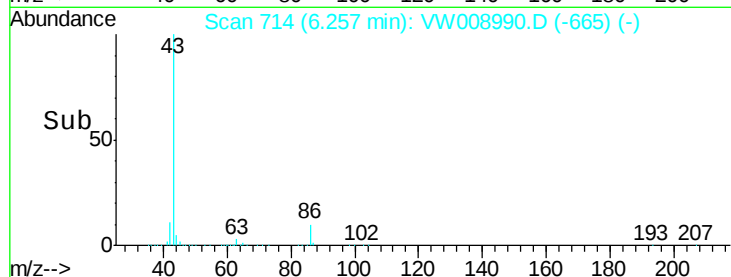
86 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 23.254 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

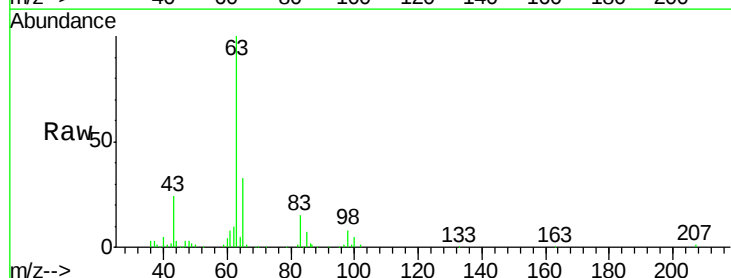
Tgt Ion: 63 Resp: 105215

Ion Ratio Lower Upper

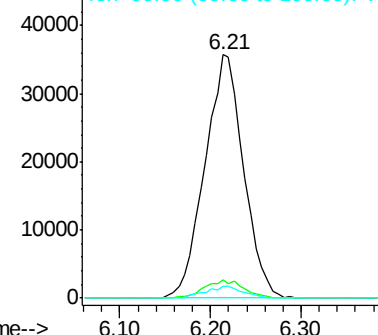
63 100

98 7.5 3.5 10.6

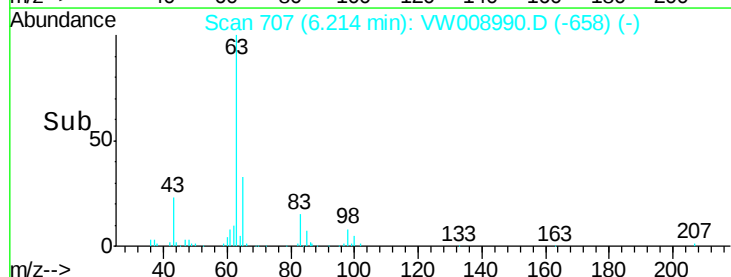
100 5.1 2.4 7.2

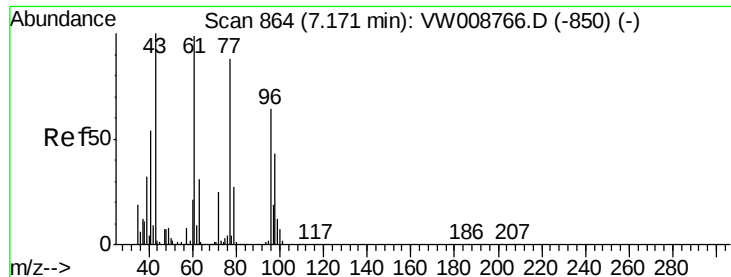


Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 97.244 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

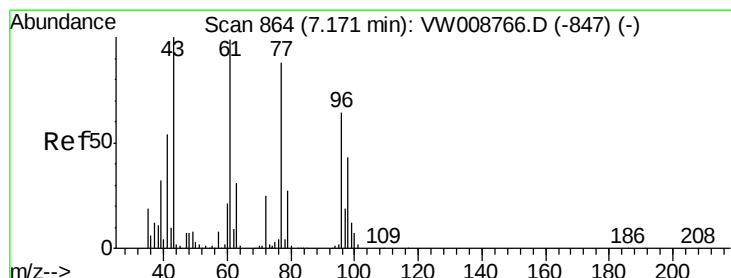
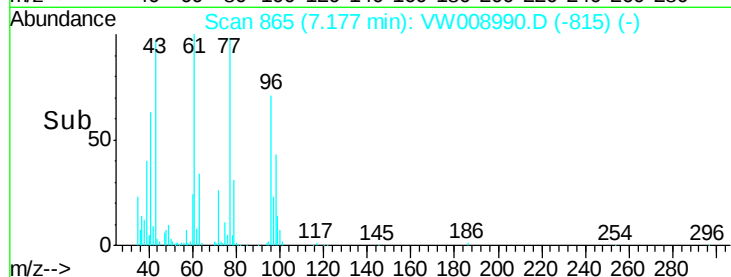
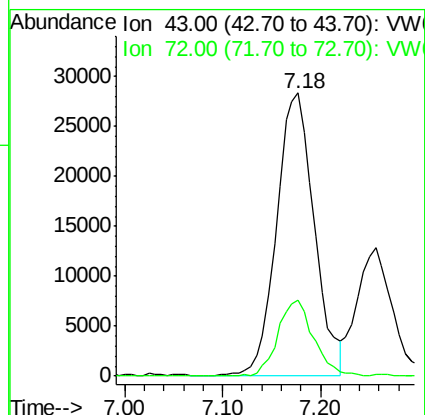
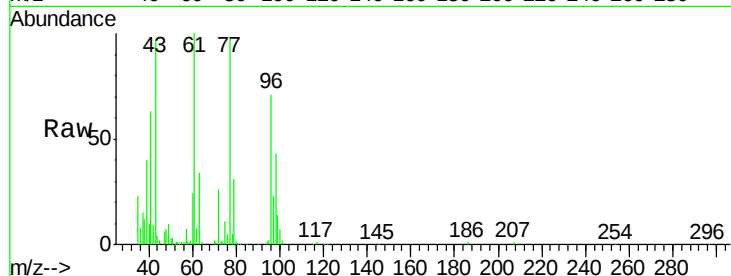
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 76555

Ion Ratio Lower Upper

43 100

72 26.9 19.7 29.5



#26

2,2-Dichloropropane

Concen: 24.462 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008990.D

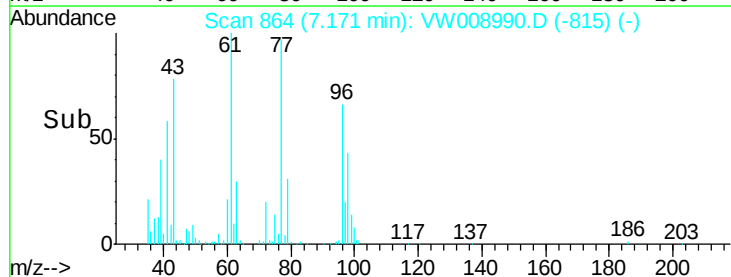
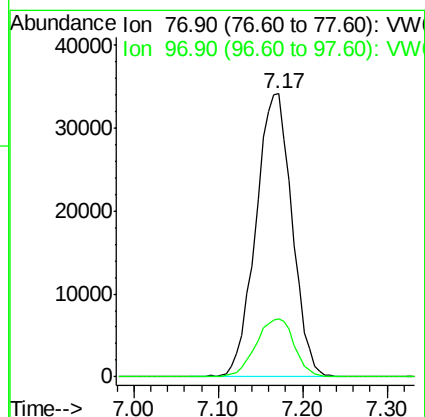
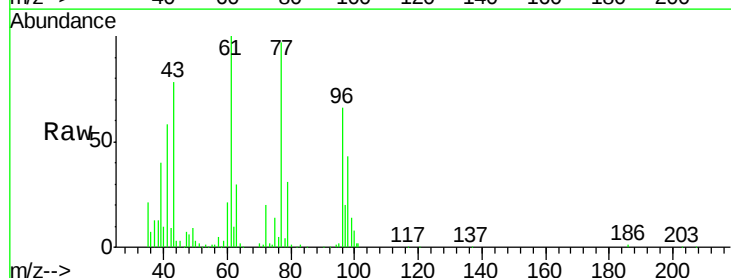
Acq: 05 Mar 2019 12:19

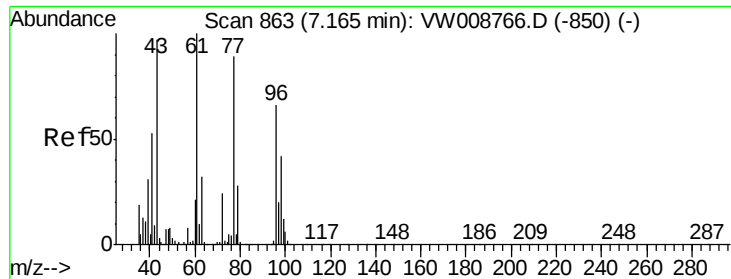
Tgt Ion: 77 Resp: 100483

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0



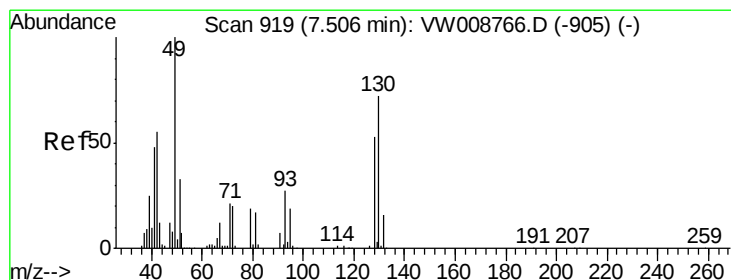
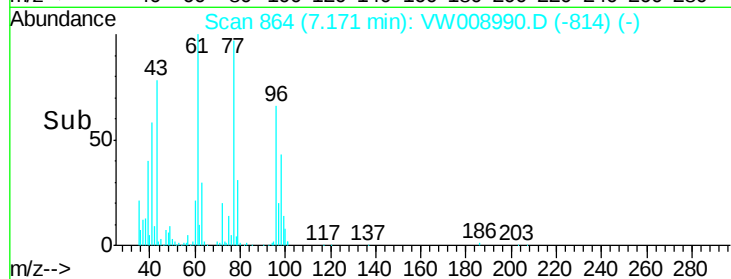
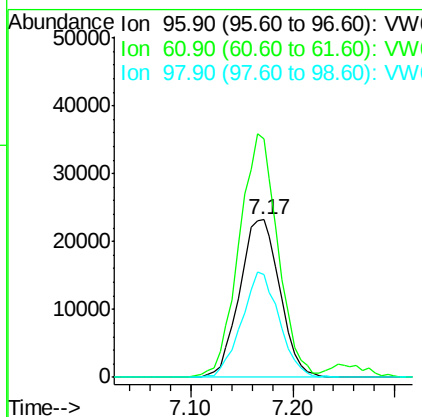
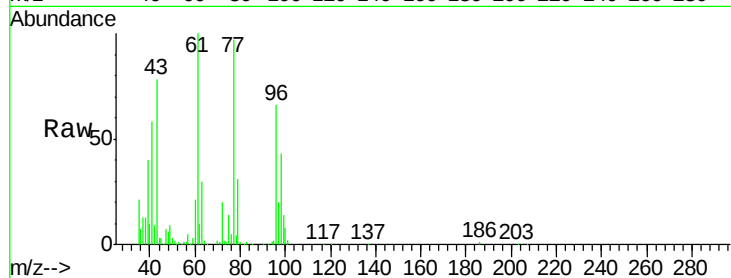


#27

cis-1,2-Dichloroethene
Concen: 22.702 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :

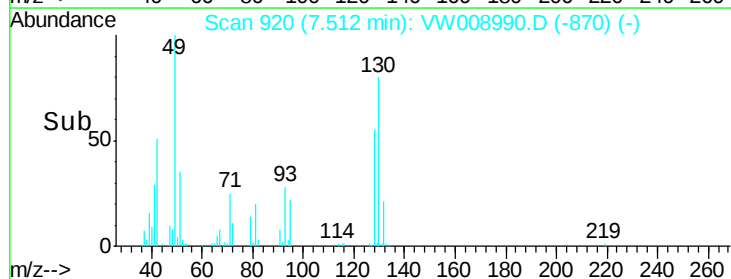
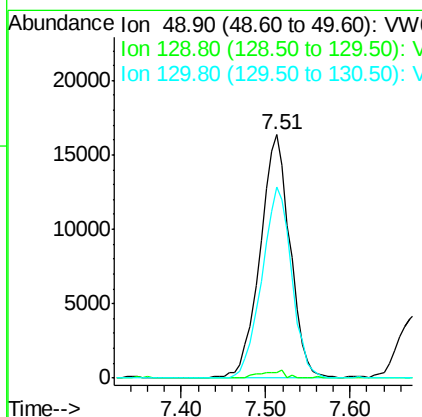
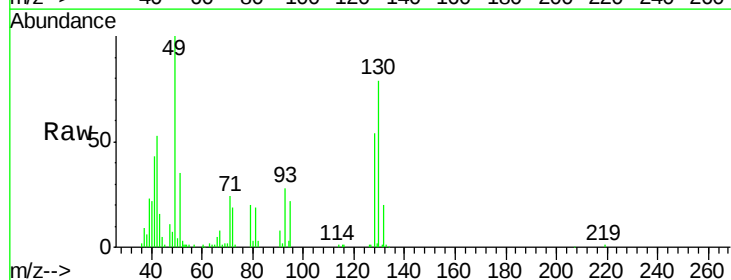
Tot Ion	96	Resp	63706
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	302.6
98	62.3	0.0	130.0

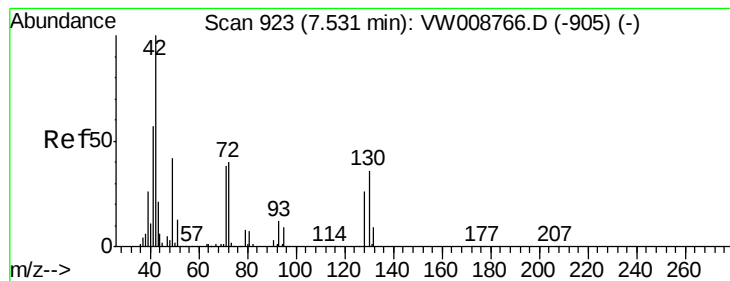


#28

Bromochloromethane
Concen: 21.145 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	49	Resp	40036
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.6
130	77.8	61.3	91.9





#29

Tetrahydrofuran

Concen: 90.339 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

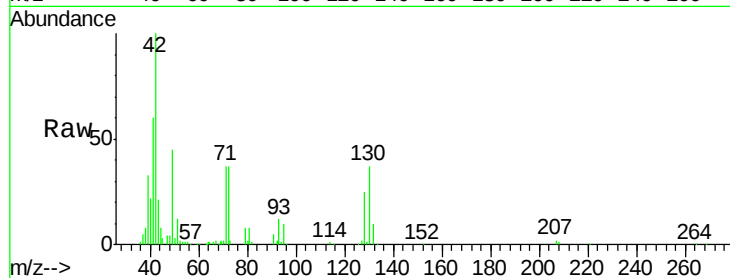
Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 45322

Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.7	49.1
71	38.0	31.3	46.9

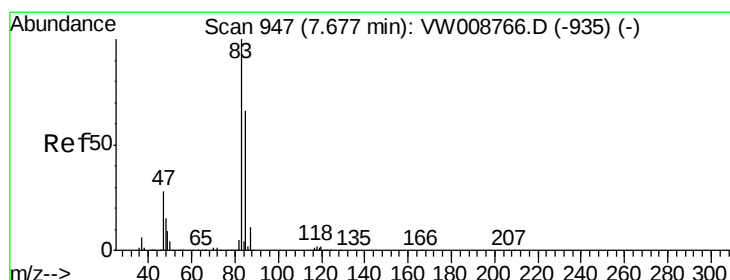
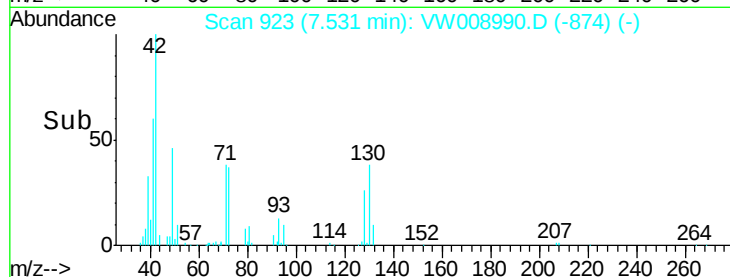
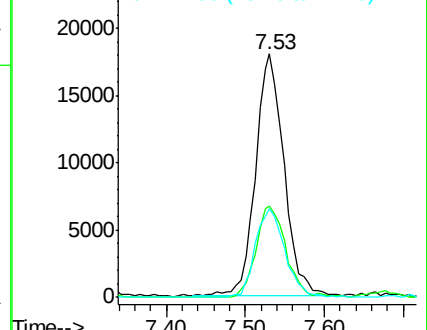


Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 22.763 ug/l

RT: 7.67 min Scan# 946

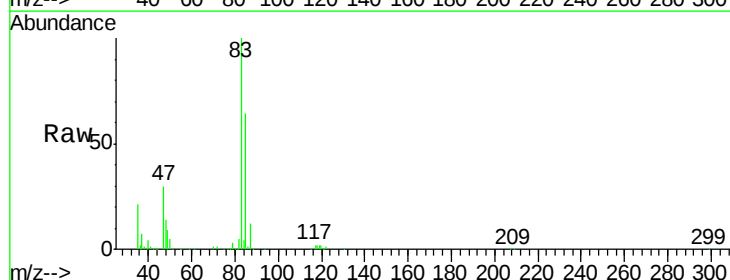
Delta R.T. -0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion: 83 Resp: 105658

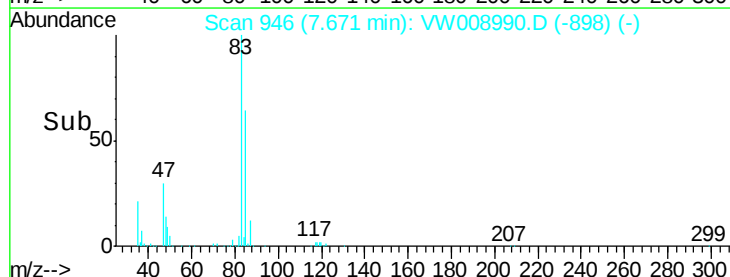
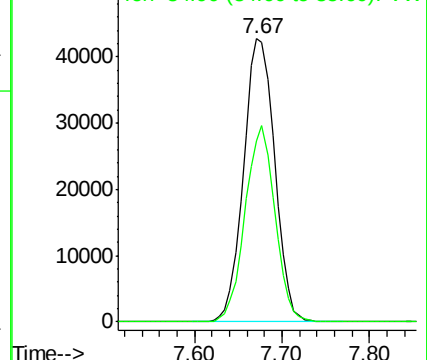
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0

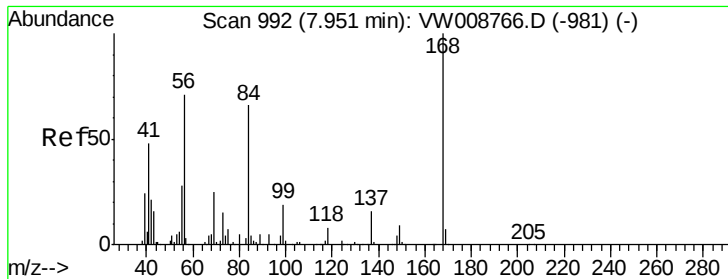


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

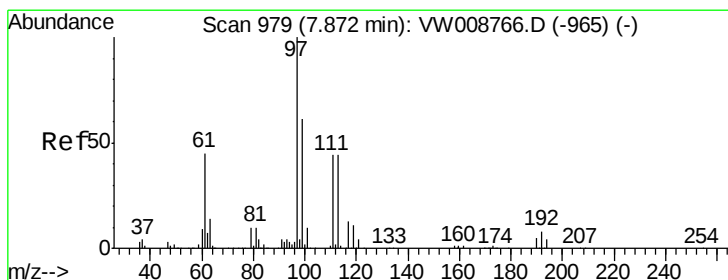
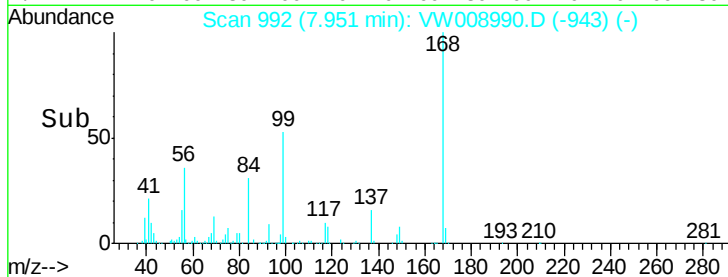
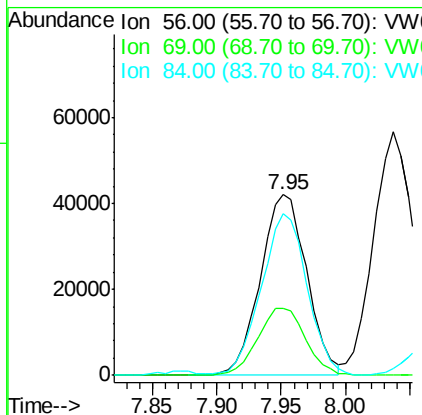
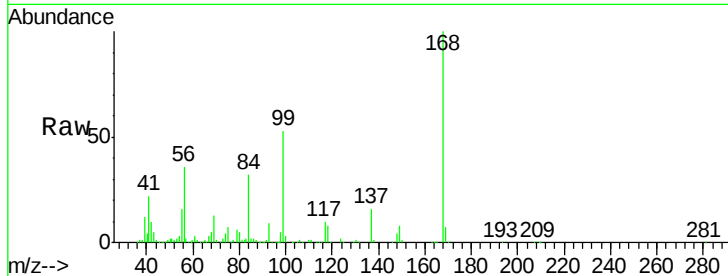




#31
Cyclohexane
Concen: 22.972 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

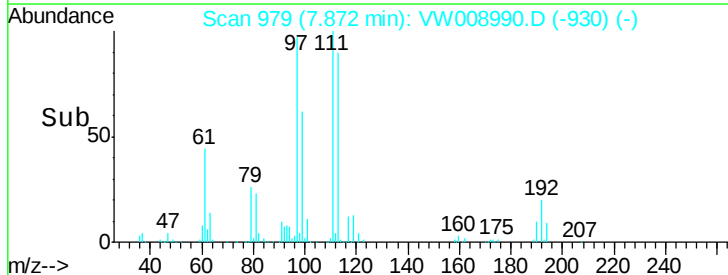
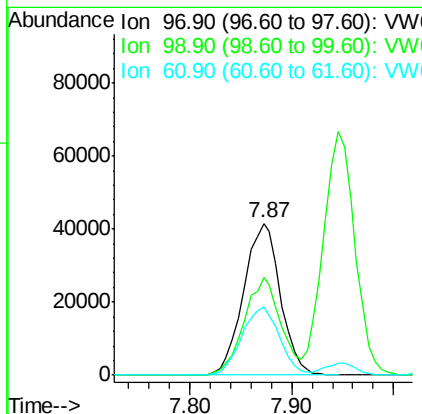
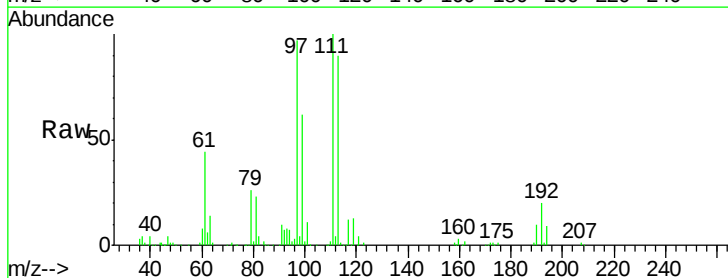
Instrument :
MSVOA_W
ClientSampleId :

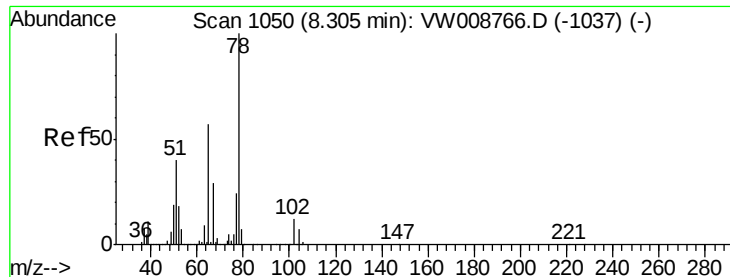
Tot Ion: 56 Resp: 105210
Ion Ratio Lower Upper
56 100
69 37.4 28.2 42.4
84 87.2 74.1 111.1



#32
1,1,1-Trichloroethane
Concen: 24.684 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 97 Resp: 104192
Ion Ratio Lower Upper
97 100
99 64.3 50.8 76.2
61 45.9 36.0 54.0

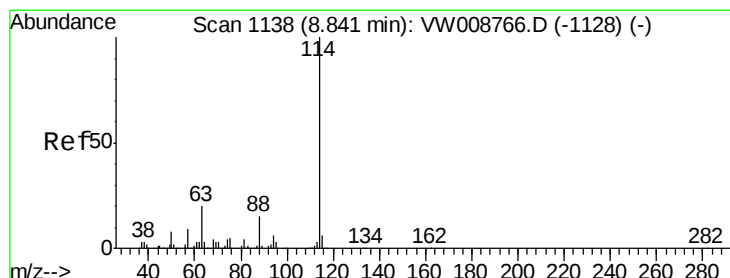
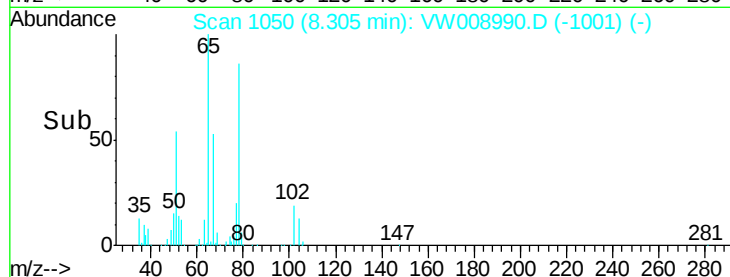
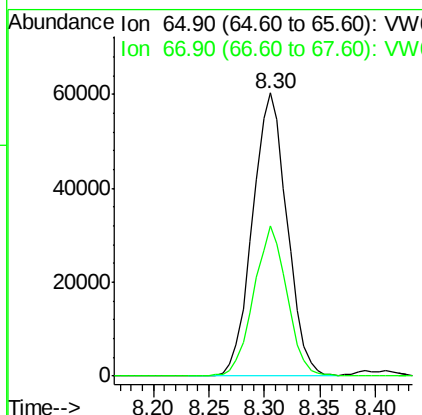
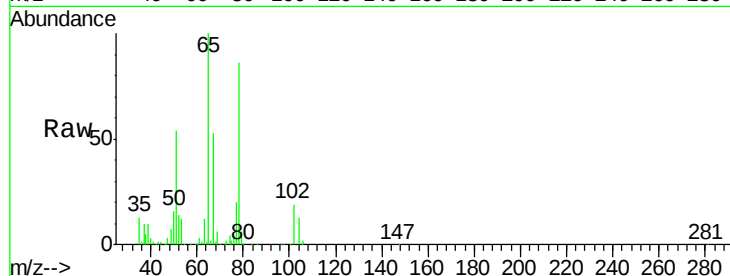




#33
 1,2-Dichloroethane-d4
 Concen: 53.660 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

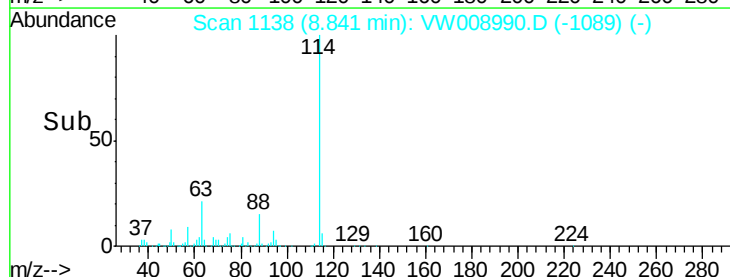
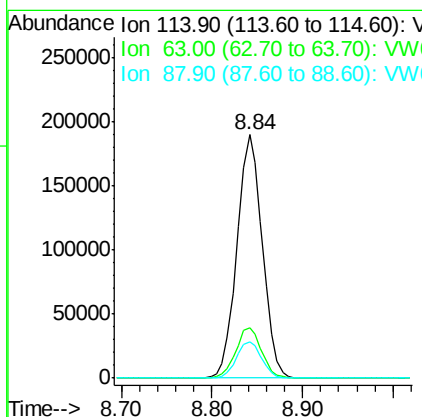
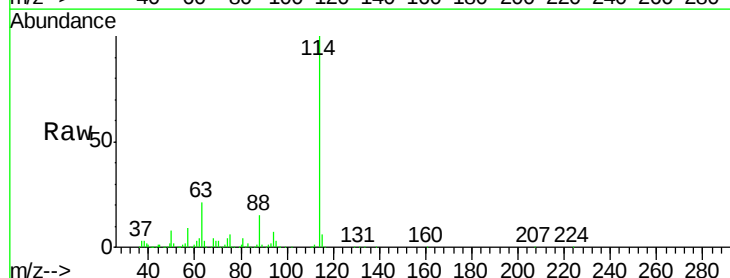
Instrument :
 MSVOA_W
 ClientSampleId :

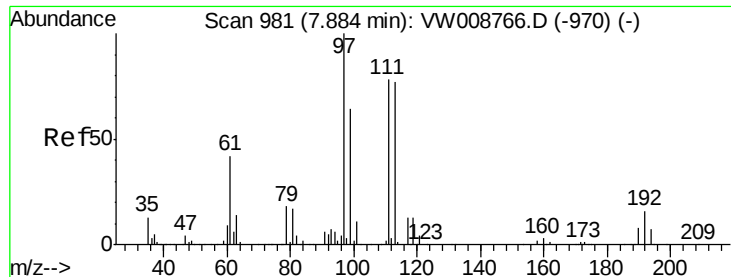
Tot Ion: 65 Resp: 130359
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 114 Resp: 366972
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 14.7 0.0 30.4

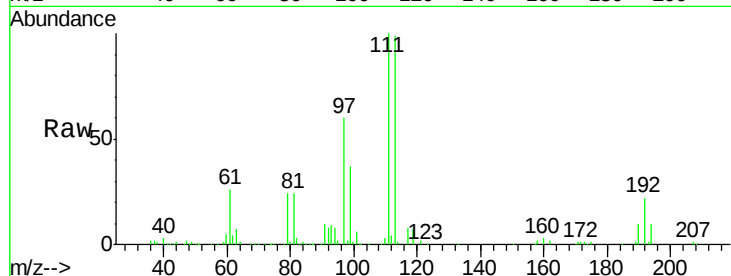




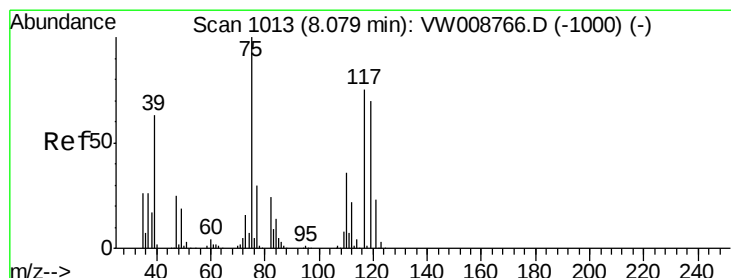
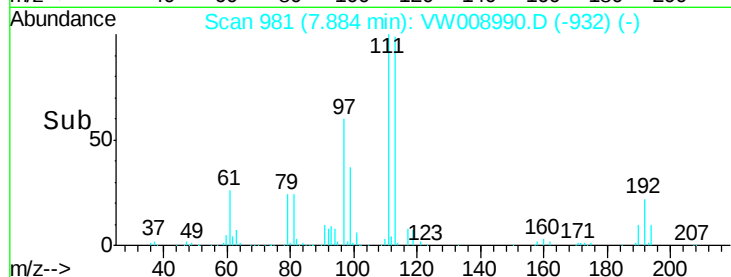
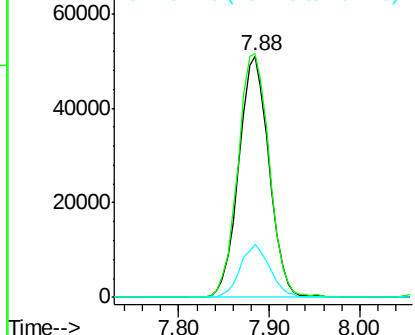
#35
 Dibromofluoromethane
 Concen: 53.743 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 118413
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.9 122.9
 192 21.5 17.1 25.7

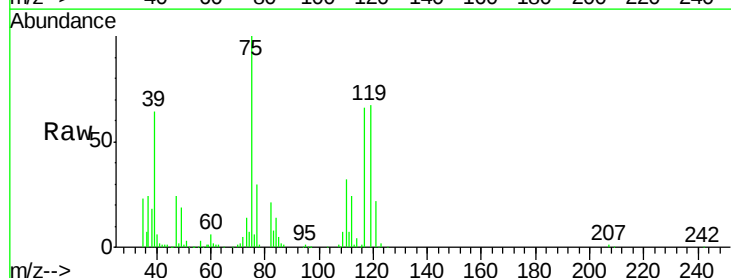


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

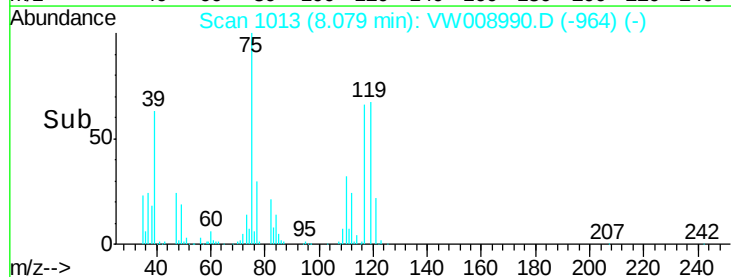
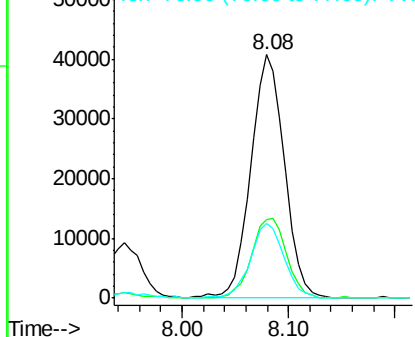


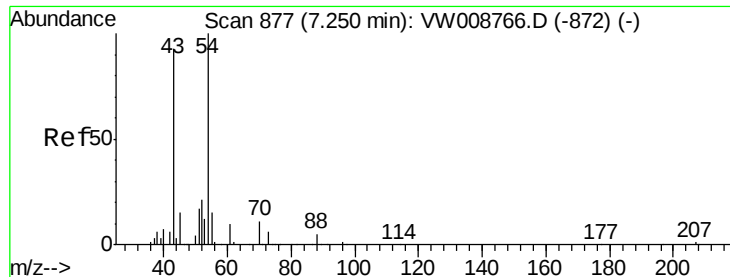
#36
 1,1-Dichloropropene
 Concen: 25.275 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 75 Resp: 90287
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.5 52.6
 77 30.8 24.5 36.7



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

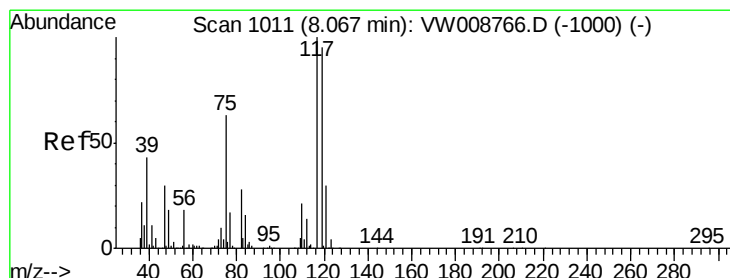
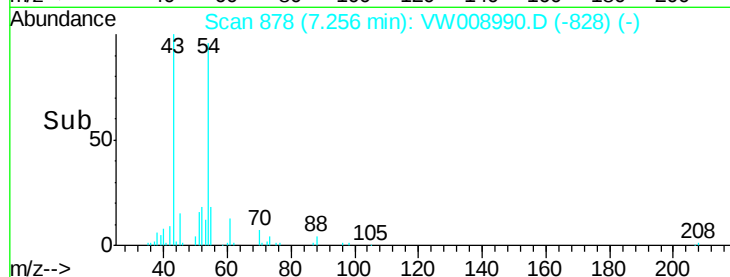
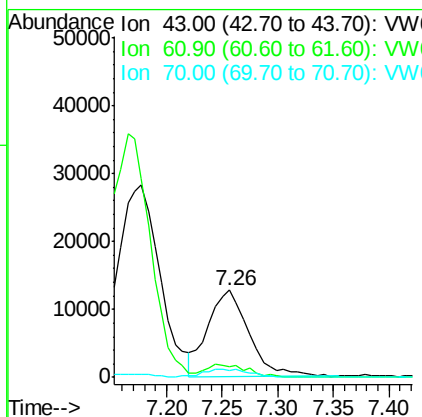
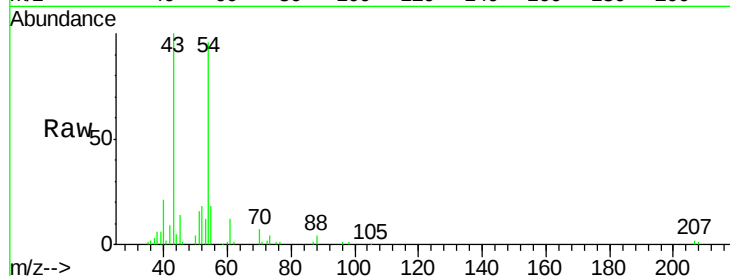




#37
Ethyl Acetate
Concen: 19.486 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

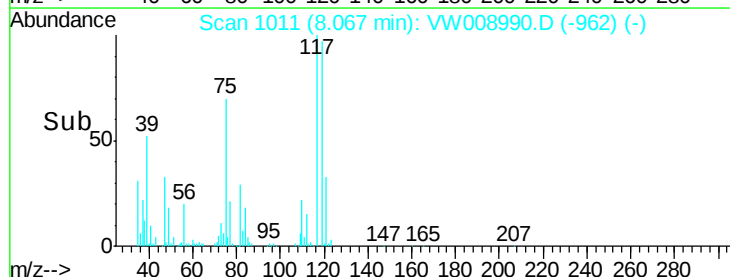
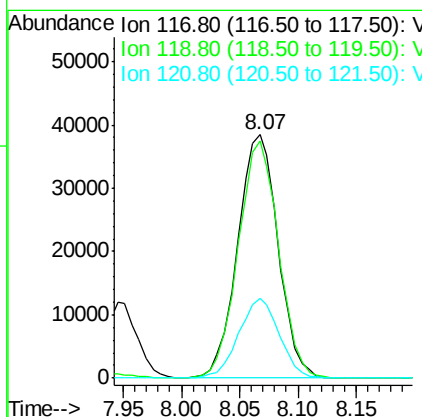
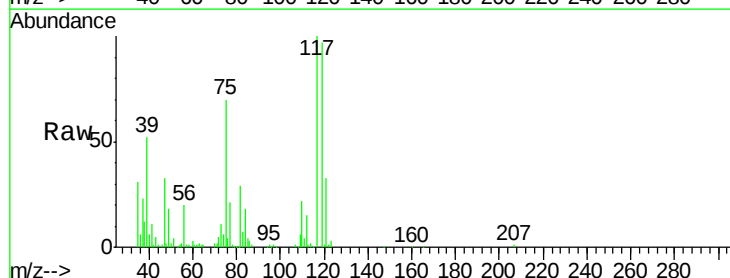
Instrument :
MSVOA_W
ClientSampled :

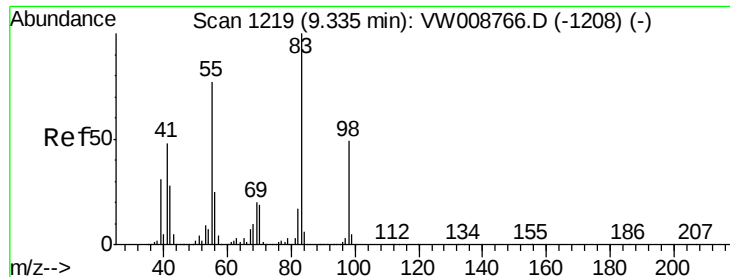
Tot Ion: 43 Resp: 32369
Ion Ratio Lower Upper
43 100
61 14.9 9.8 14.8#
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 24.649 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 117 Resp: 92858
Ion Ratio Lower Upper
117 100
119 97.3 76.1 114.1
121 32.6 24.0 36.0

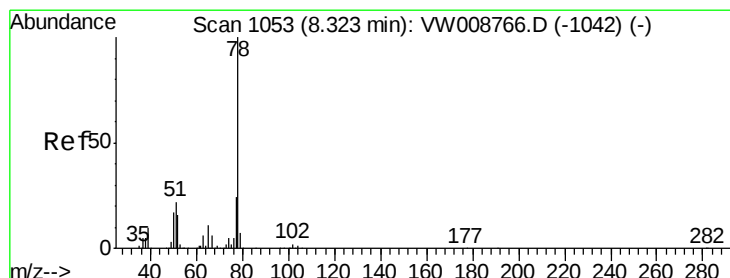
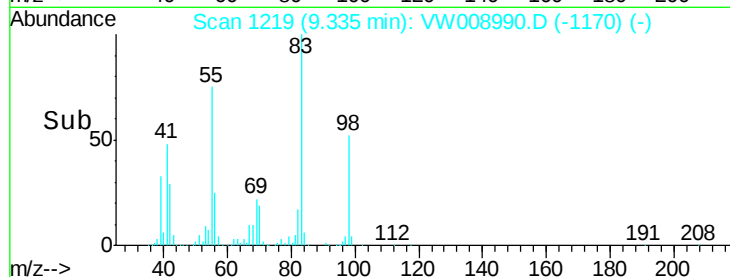
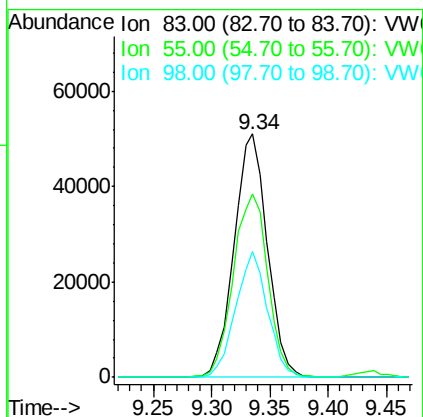
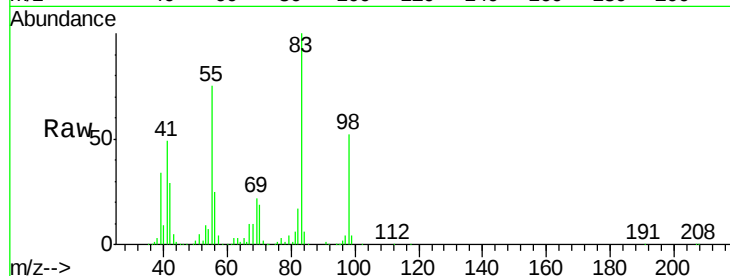




#39
Methvlcvclohexane
Concen: 22.708 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

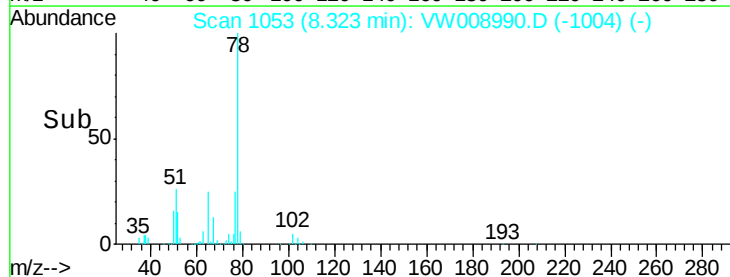
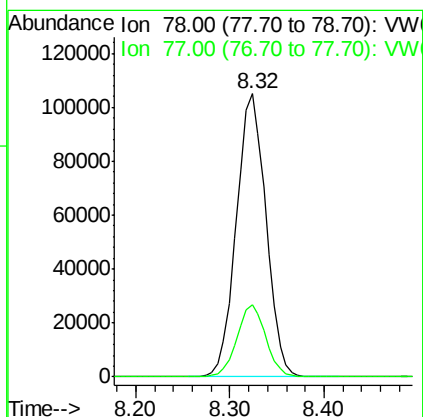
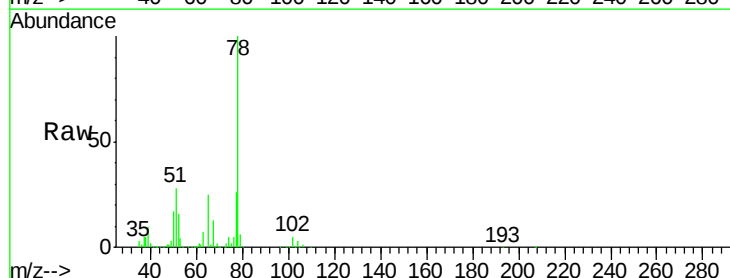
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 101180
Ion Ratio Lower Upper
83 100
55 75.2 61.2 91.8
98 51.5 39.4 59.2



#40
Benzene
Concen: 23.675 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 78 Resp: 230914
Ion Ratio Lower Upper
78 100
77 25.7 19.3 28.9

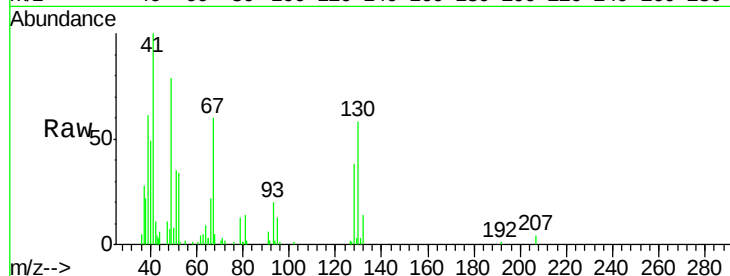




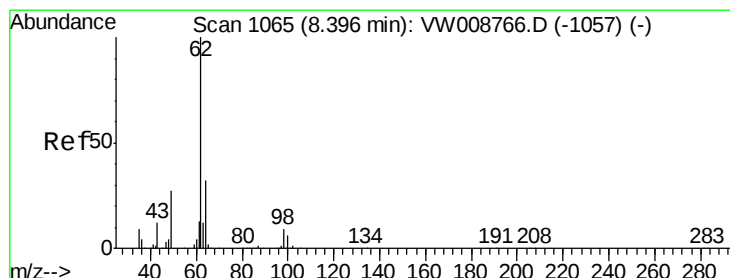
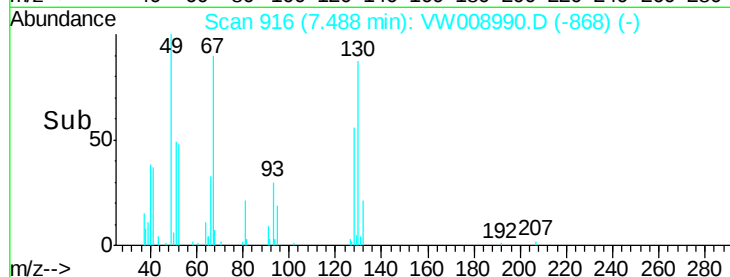
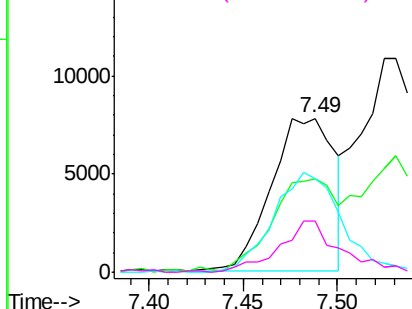
#41
Methacrylonitrile
Concen: 18.442 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	18008
Ion	Ratio	Lower	Upper
41	100		
39	63.2	52.5	78.7
67	71.4	55.0	82.6
52	33.6	26.9	40.3

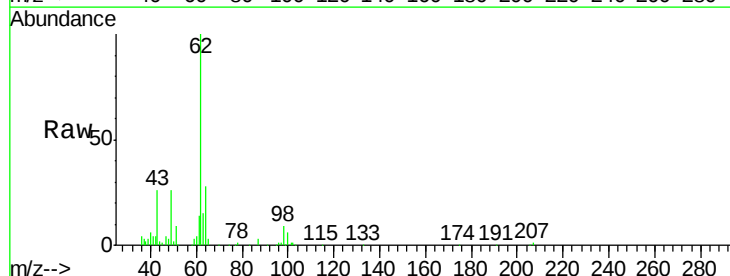


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

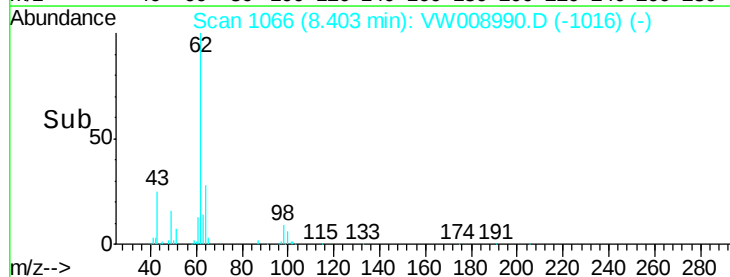
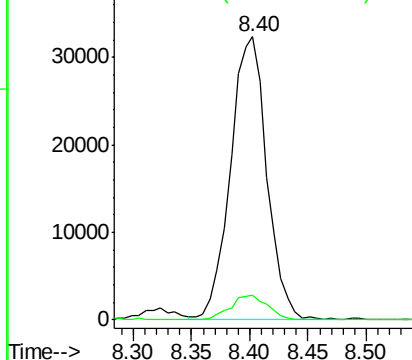


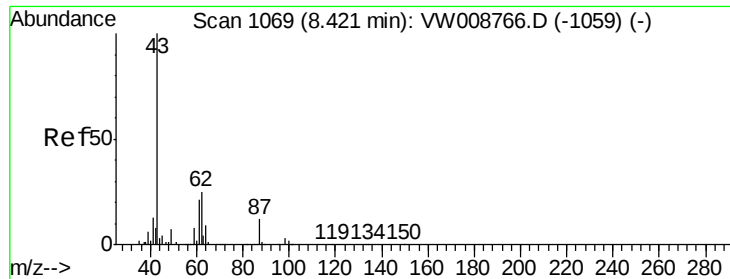
#42
1,2-Dichloroethane
Concen: 22.779 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion:	62	Resp:	70380
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



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

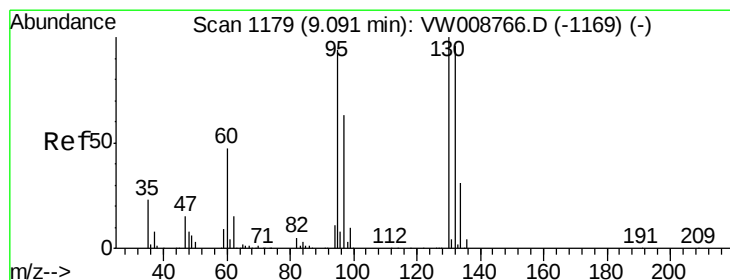
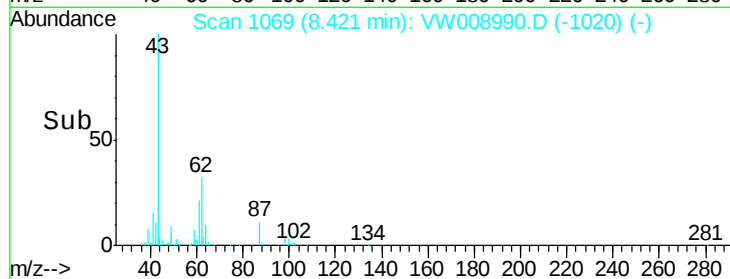
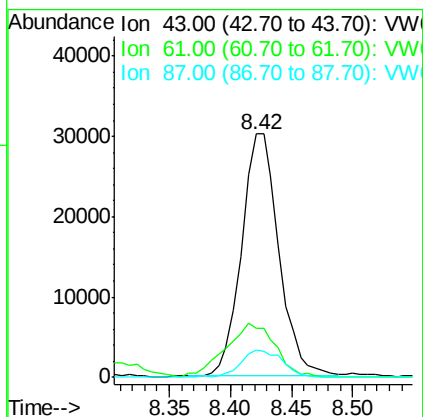
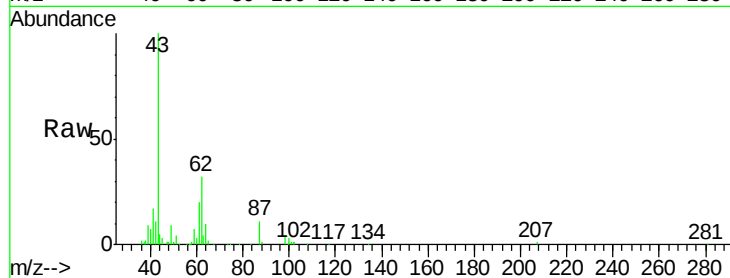




#43
Isopropyl Acetate
Concen: 19.327 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

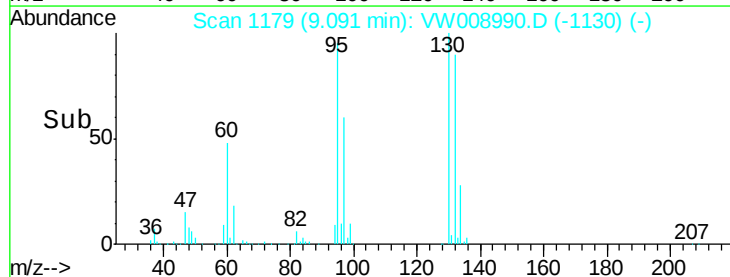
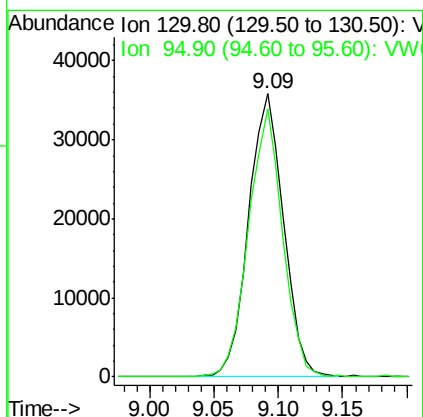
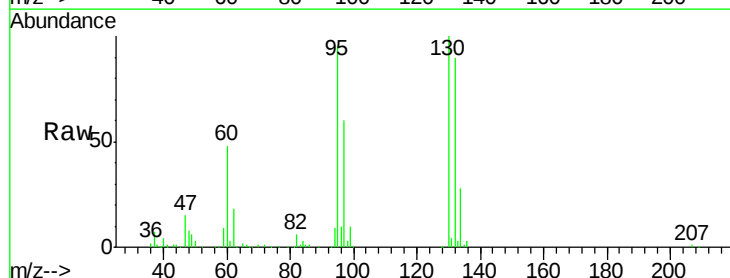
Instrument :
MSVOA_W
ClientSampleId :

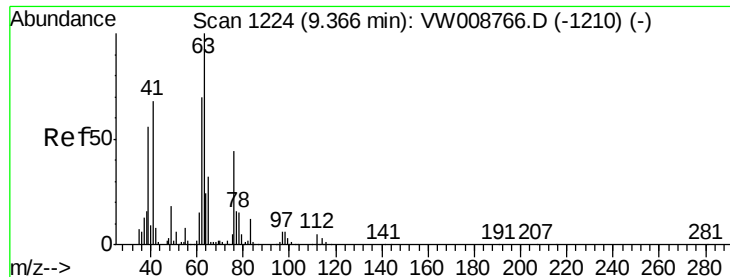
Tot Ion: 43 Resp: 64075
Ion Ratio Lower Upper
43 100
61 29.5 23.2 34.8
87 12.6 9.9 14.9



#44
Trichloroethene
Concen: 24.413 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 130 Resp: 67078
Ion Ratio Lower Upper
130 100
95 94.9 0.0 188.6





#45

1,2-Dichloropropane

Concen: 23.829 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

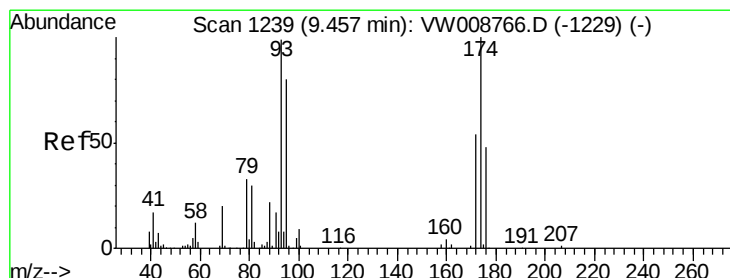
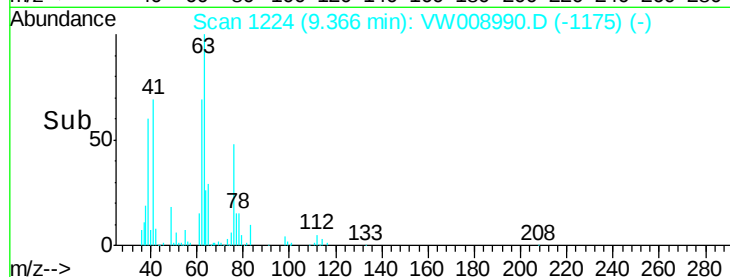
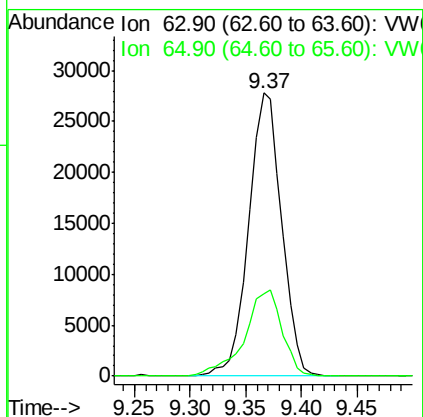
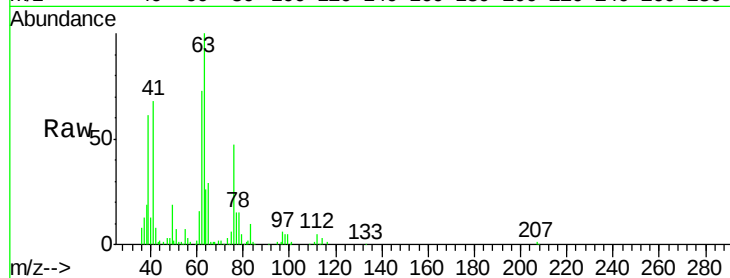
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 57432

Ion Ratio Lower Upper

63 100

65 29.1 25.5 38.3



#46

Dibromomethane

Concen: 22.770 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

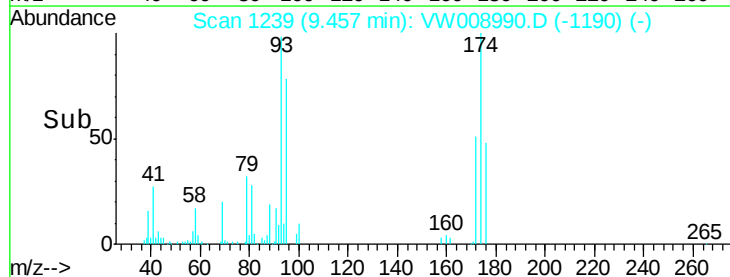
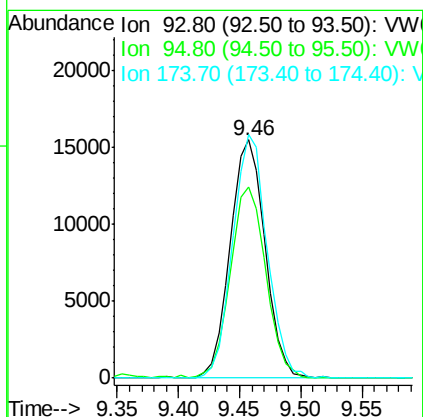
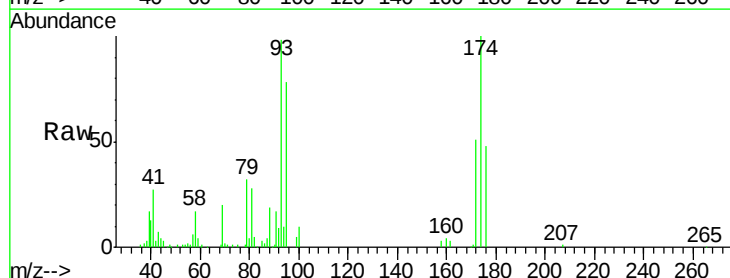
Tgt Ion: 93 Resp: 30526

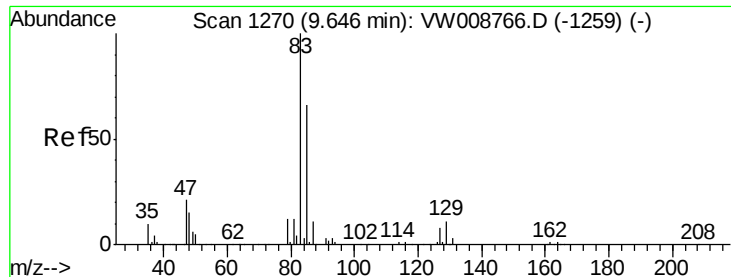
Ion Ratio Lower Upper

93 100

95 81.4 67.7 101.5

174 100.6 86.7 130.1

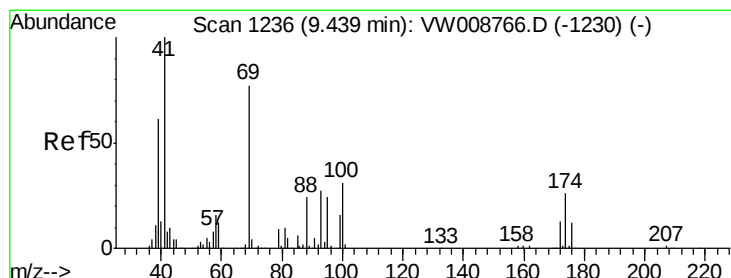
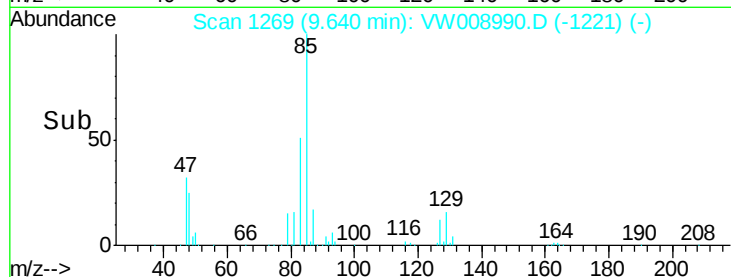
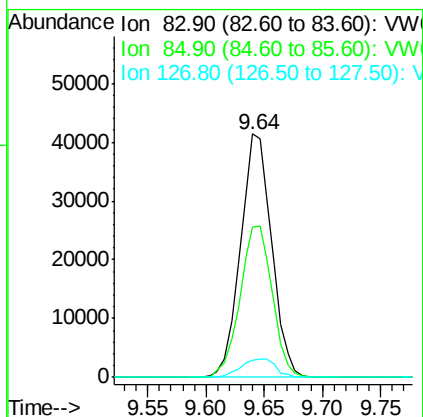
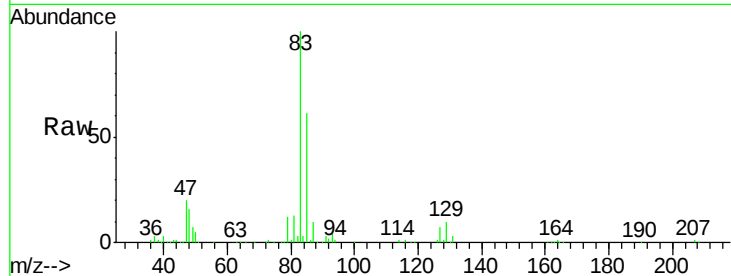




#47
Bromodichloromethane
Concen: 23.745 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

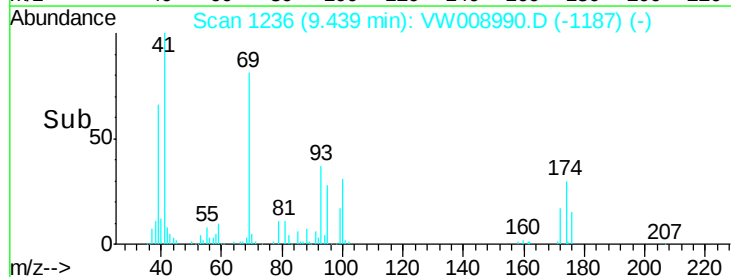
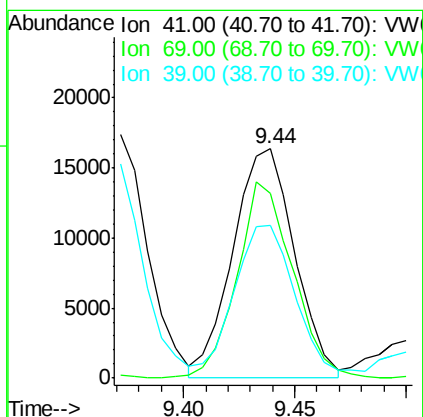
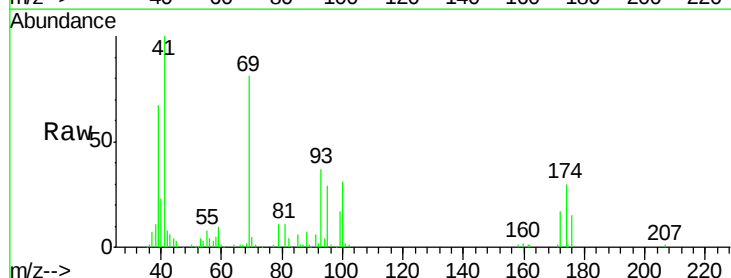
Instrument :
MSVOA_W
ClientSampled :

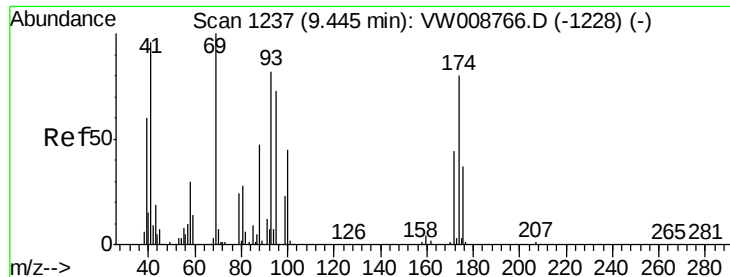
Tot Ion: 83 Resp: 77451
Ion Ratio Lower Upper
83 100
85 61.4 52.5 78.7
127 7.3 6.7 10.1



#48
Methyl methacrylate
Concen: 19.730 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 41 Resp: 31328
Ion Ratio Lower Upper
41 100
69 78.1 63.6 95.4
39 60.3 52.1 78.1

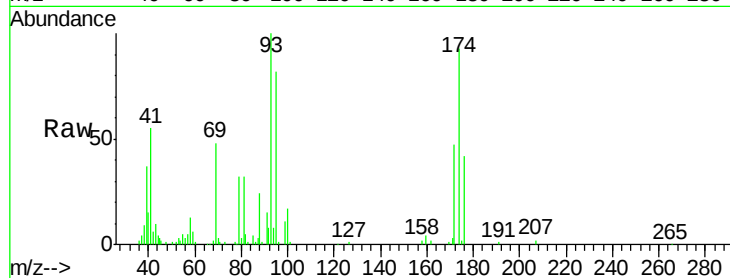




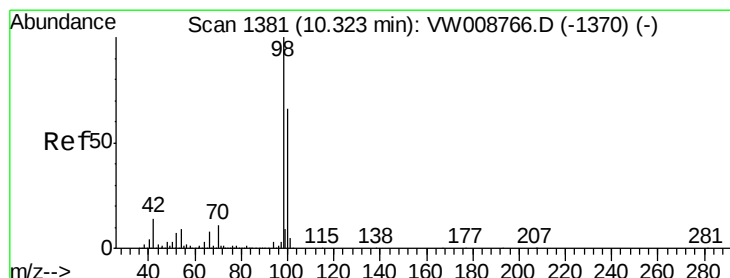
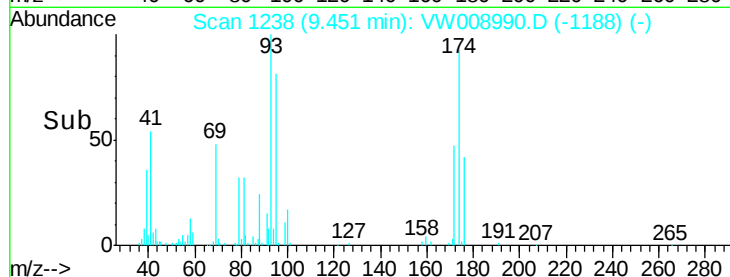
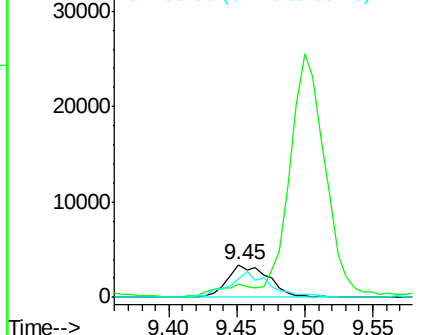
#49
1,4-Dioxane
Concen: 338.813 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 7274
Ion Ratio Lower Upper
88 100
43 36.8 29.0 43.4
58 78.3 52.0 78.0#

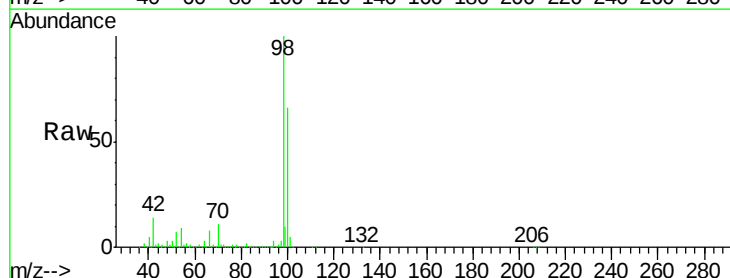


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

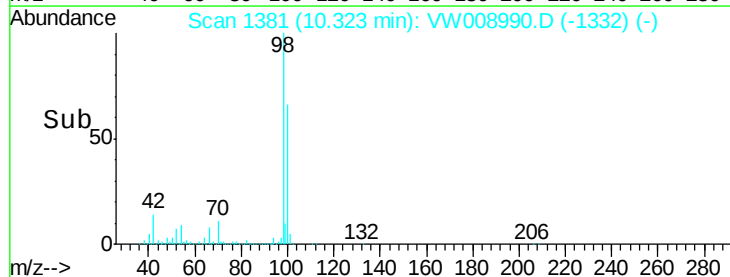
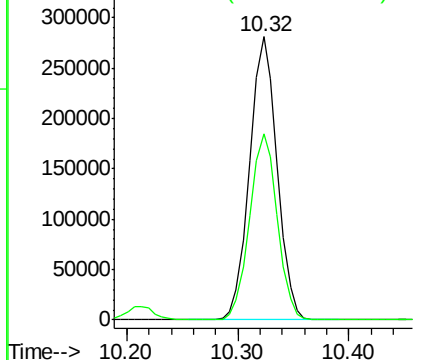


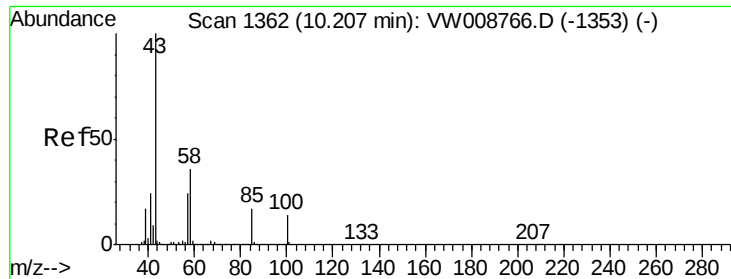
#50
Toluene-d8
Concen: 56.858 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 98 Resp: 483613
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



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

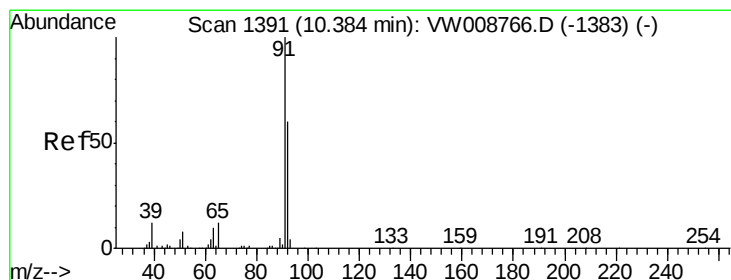
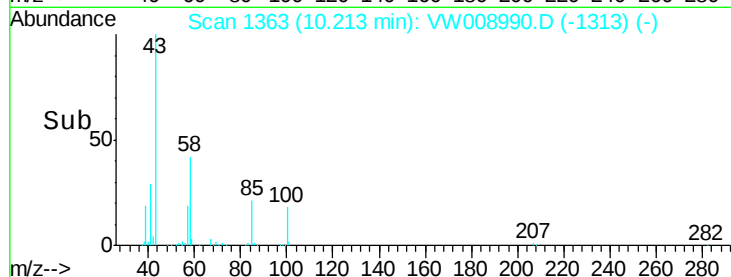
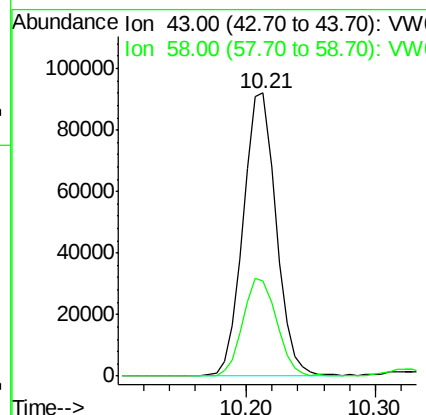
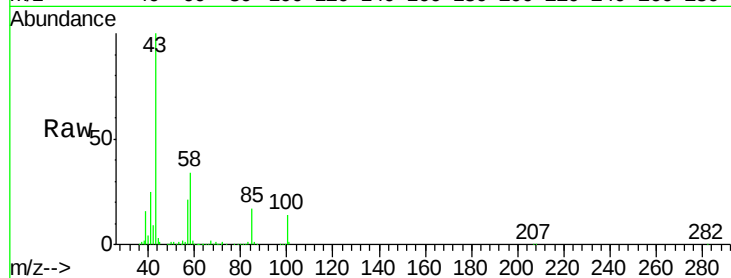




#51
 4-Methyl-2-Pentanone
 Concen: 96.928 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

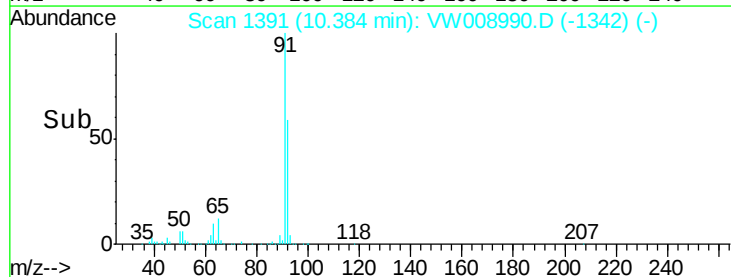
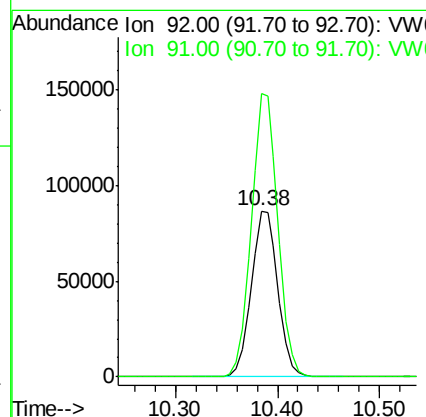
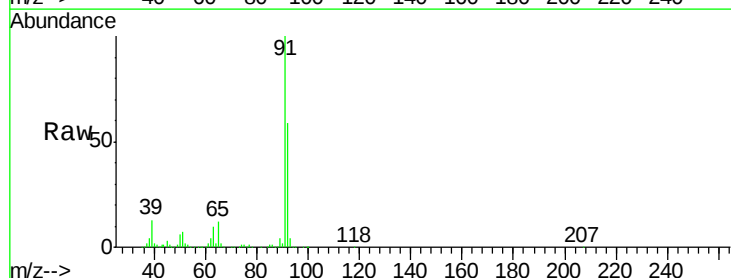
Instrument :
 MSVOA_W
 ClientSampled :

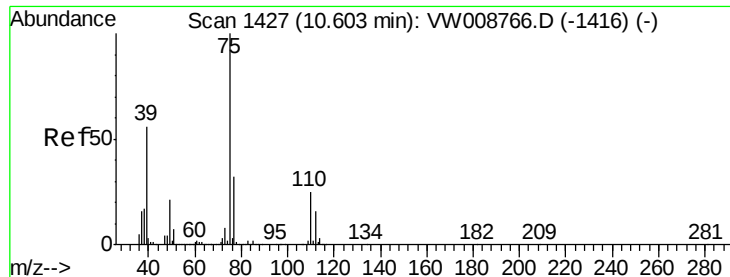
Tot Ion: 43 Resp: 163151
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.1 43.7



#52
 Toluene
 Concen: 23.586 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 92 Resp: 156124
 Ion Ratio Lower Upper
 92 100
 91 170.8 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 22.006 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

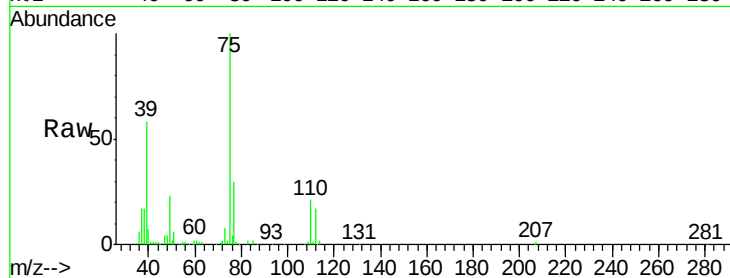
ClientSampleId :

Tot Ion: 75 Resp: 73162

Ion Ratio Lower Upper

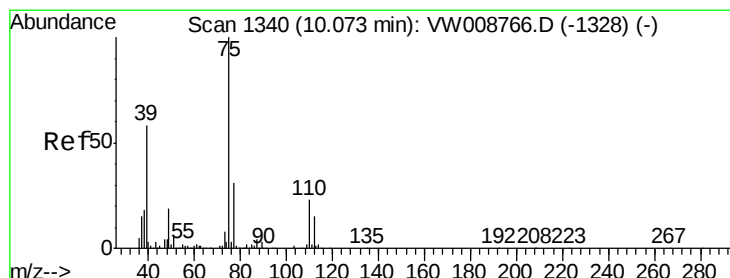
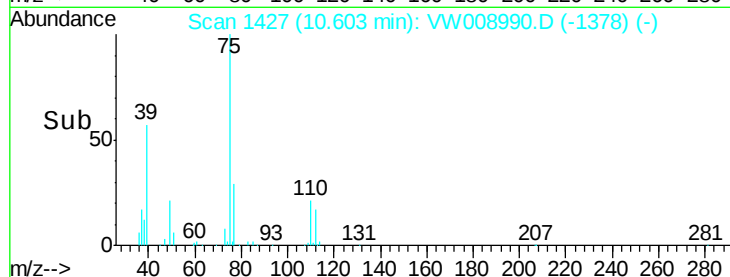
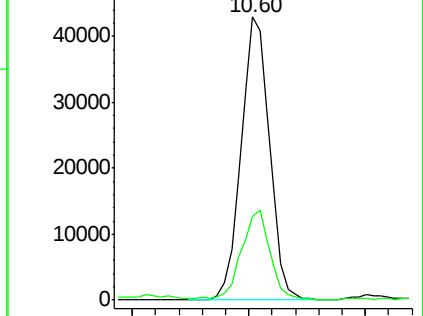
75 100

77 29.3 26.1 39.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 22.703 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

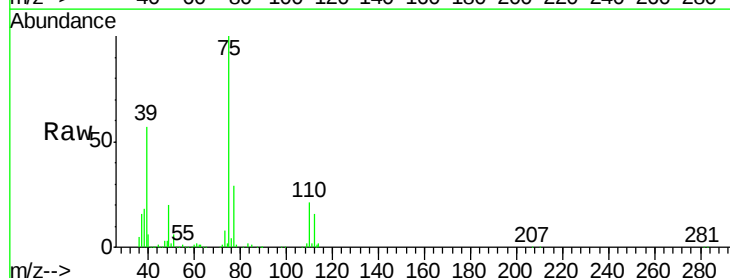
Tgt Ion: 75 Resp: 86086

Ion Ratio Lower Upper

75 100

77 29.1 25.0 37.4

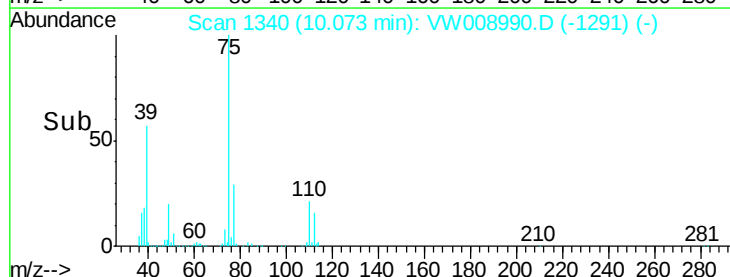
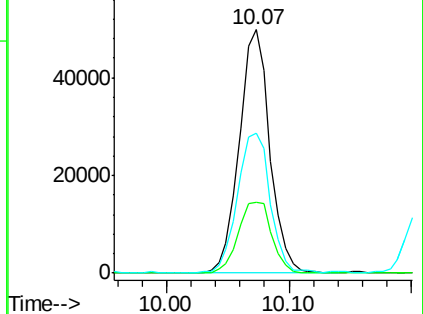
39 57.1 46.6 70.0

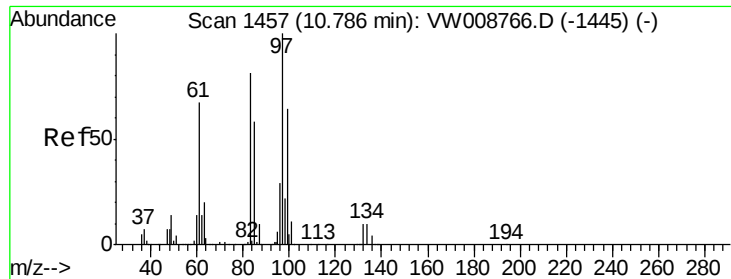


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

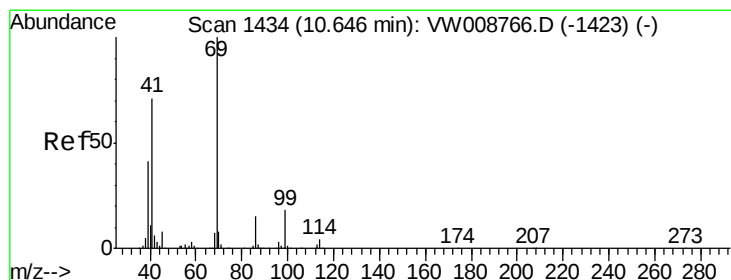
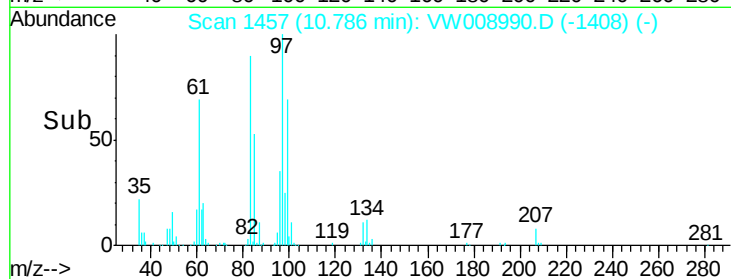
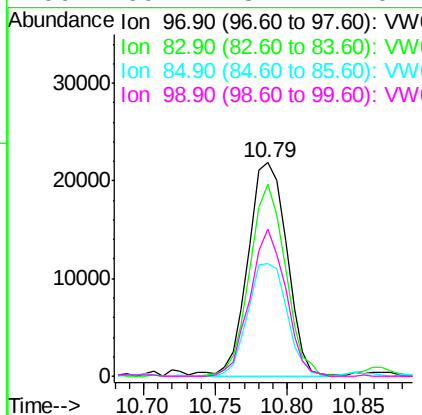
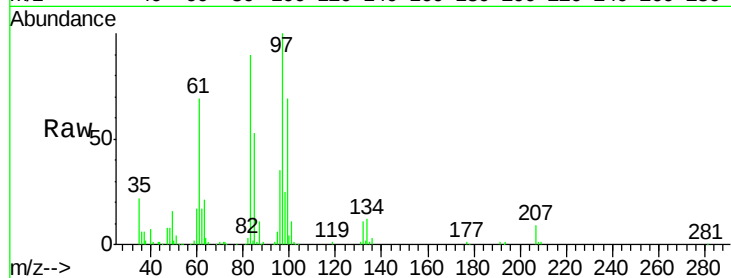




#55
 1,1,2-Trichloroethane
 Concen: 22.541 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

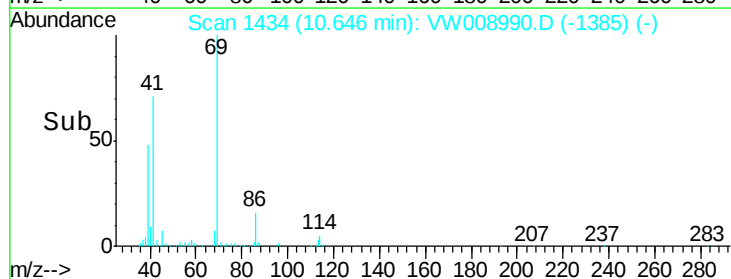
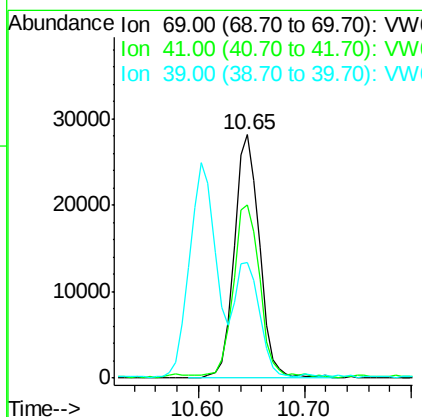
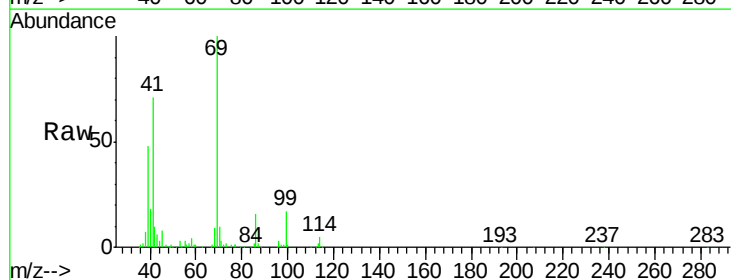
Instrument :
 MSVOA_W
 ClientSampleId :

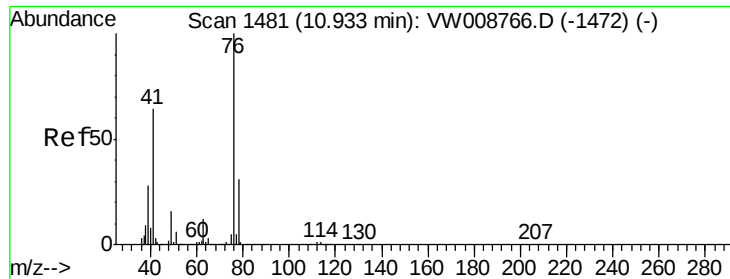
Tot Ion:	97	Resp:	40982
Ion	Ratio	Lower	Upper
97	100		
83	90.5	65.0	97.6
85	53.3	46.0	69.0
99	69.1	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 19.846 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion:	69	Resp:	46879
Ion	Ratio	Lower	Upper
69	100		
41	75.0	57.4	86.0
39	45.2	34.8	52.2

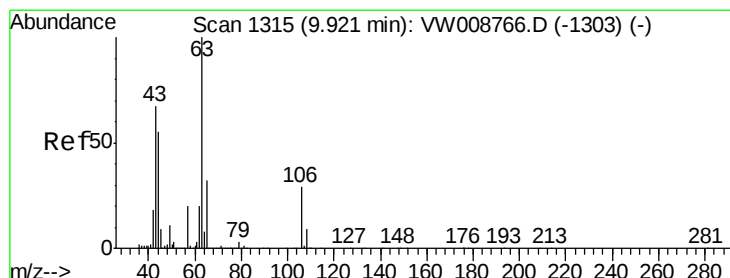
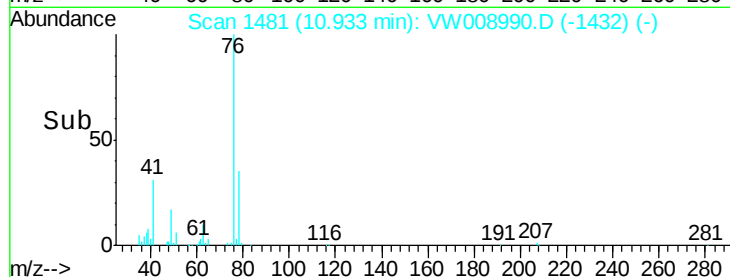
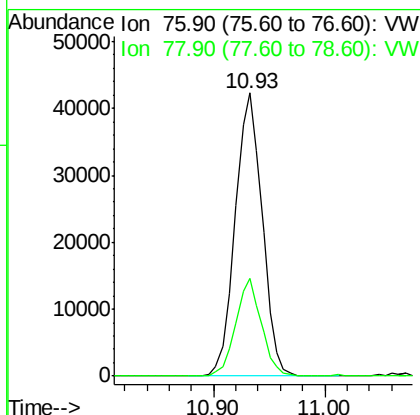
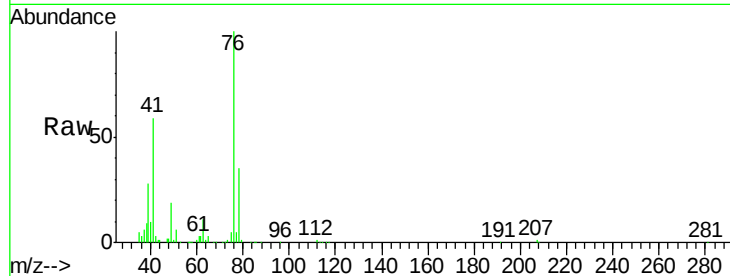




#57
 1,3-Dichloropropane
 Concen: 22.132 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

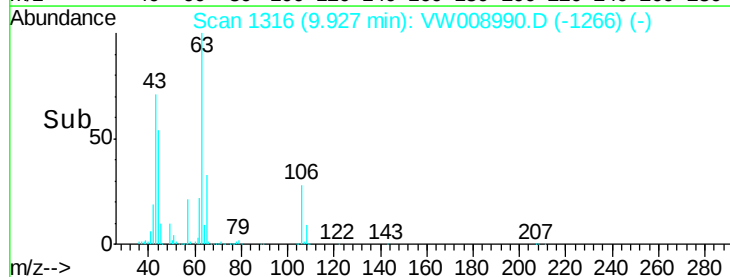
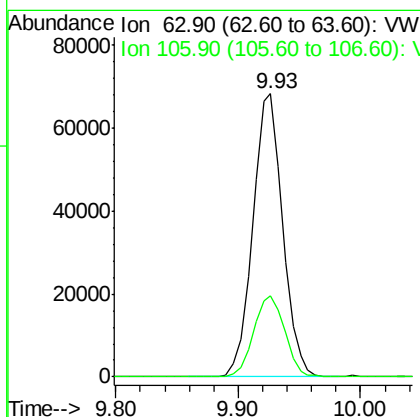
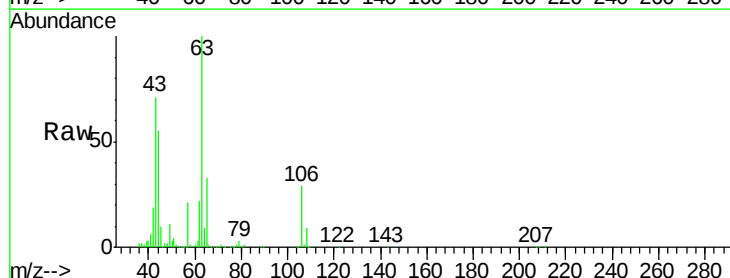
Instrument :
 MSVOA_W
 ClientSampled :

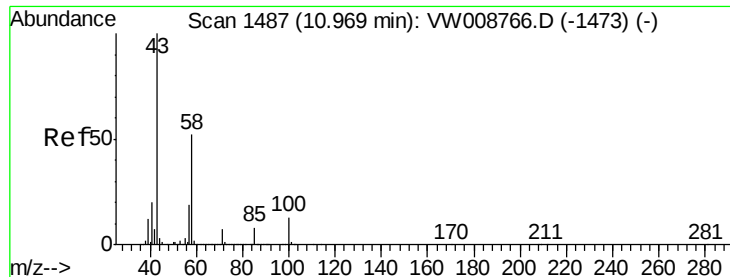
Tot Ion: 76 Resp: 71046
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.029 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 63 Resp: 116460
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.0 36.0

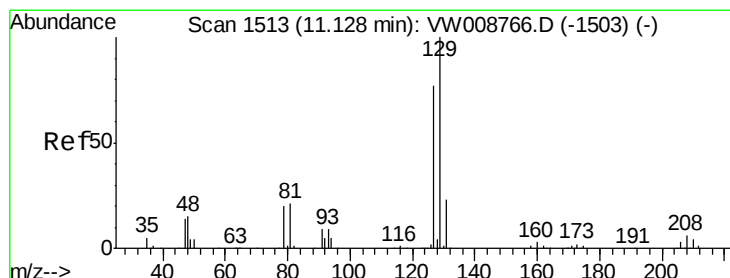
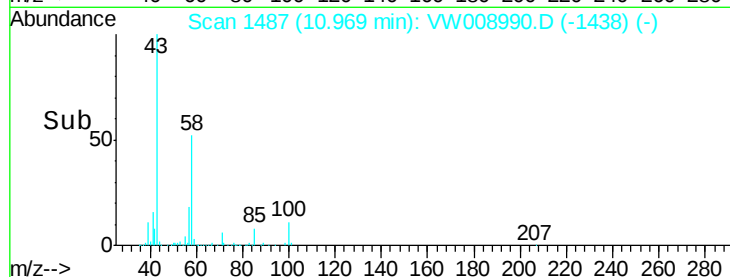
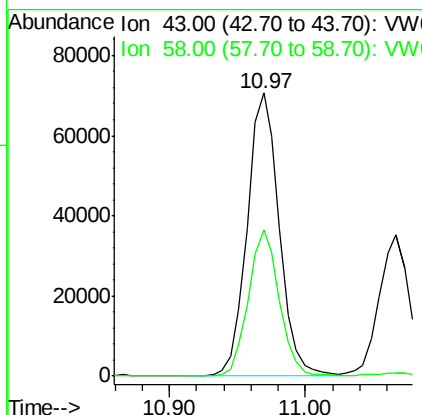
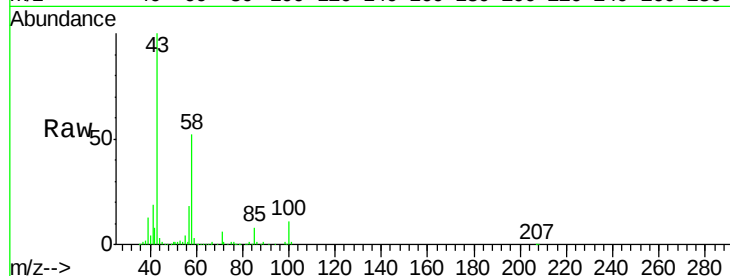




#59
2-Hexanone
Concen: 96.863 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

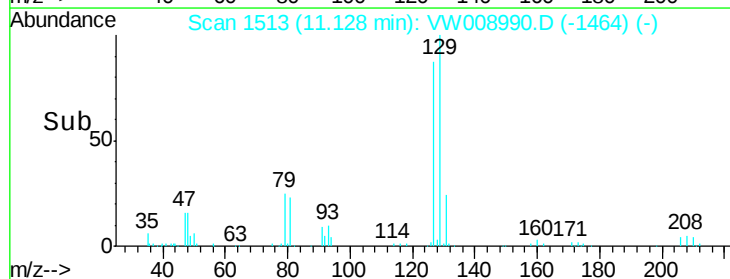
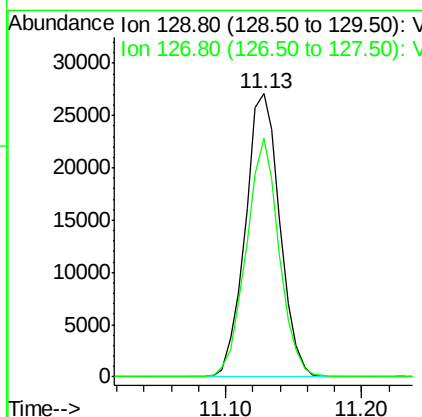
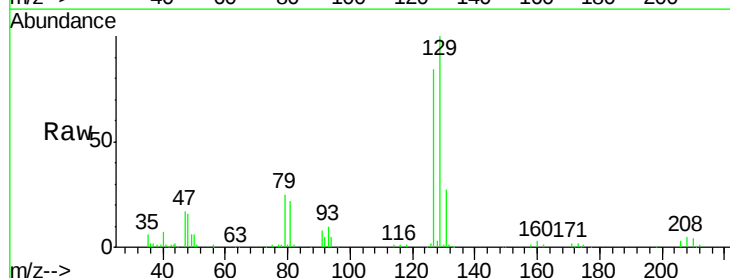
Instrument :
MSVOA_W
ClientSampled :

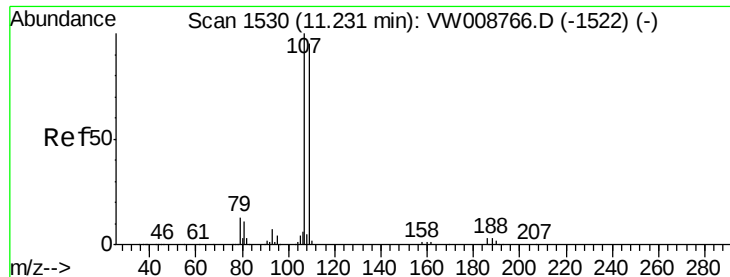
Tot Ion: 43 Resp: 116059
Ion Ratio Lower Upper
43 100
58 50.3 25.3 75.8



#60
Dibromochloromethane
Concen: 21.696 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 129 Resp: 48113
Ion Ratio Lower Upper
129 100
127 80.6 39.0 116.9

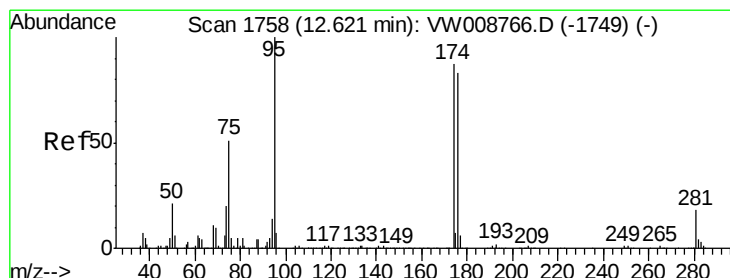
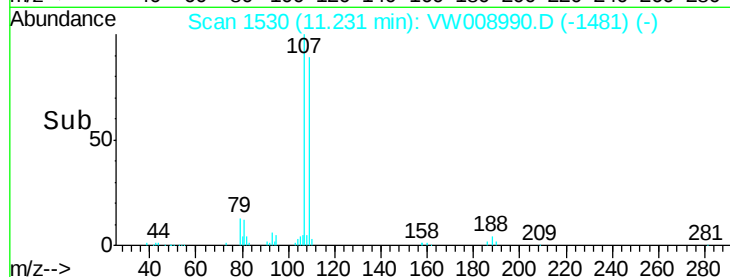
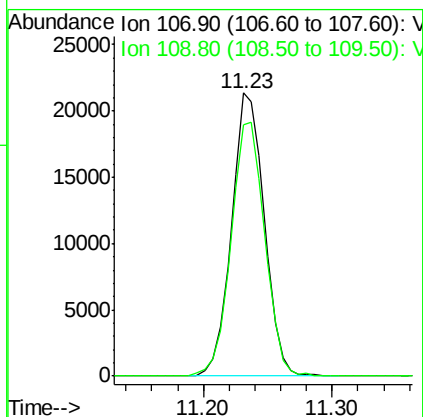
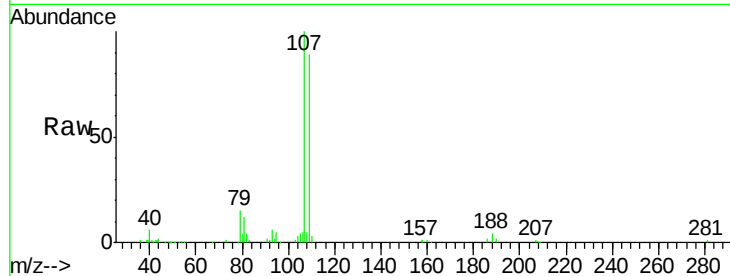




#61
 1,2-Dibromoethane
 Concen: 20.904 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

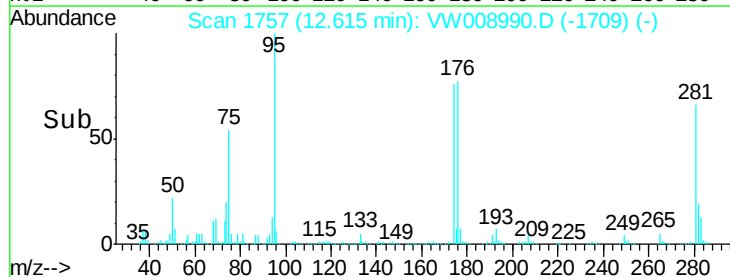
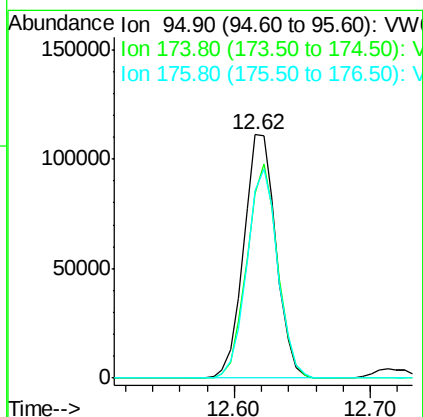
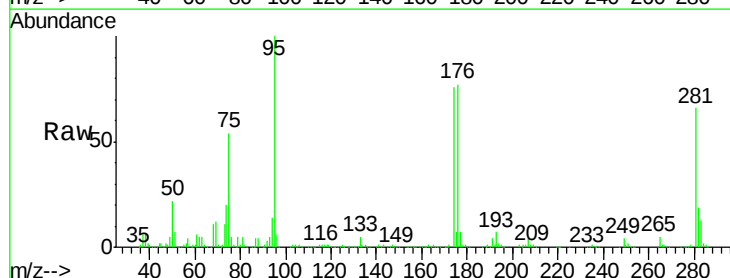
Instrument :
 MSVOA_W
 ClientSampleId :

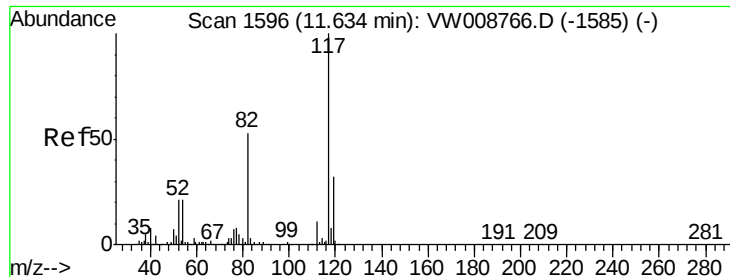
Tot Ion: 107 Resp: 37620
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 55.302 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 95 Resp: 184172
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 169.2
 176 82.8 0.0 163.6

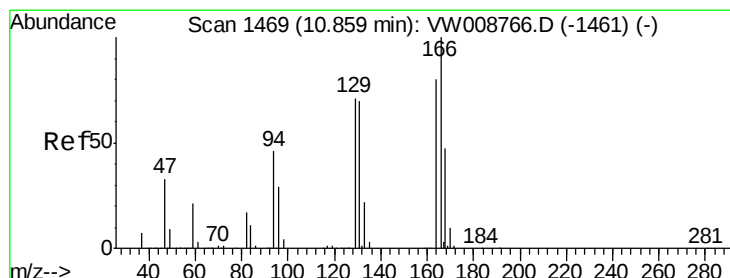
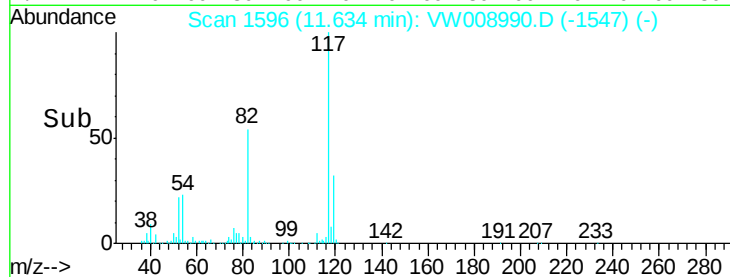
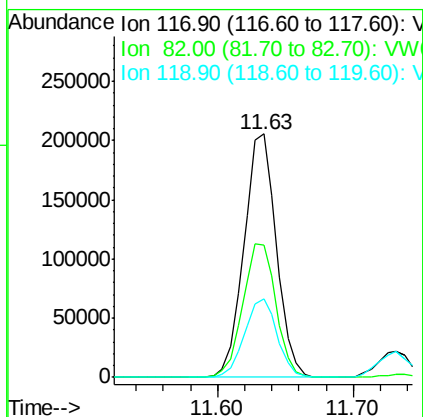
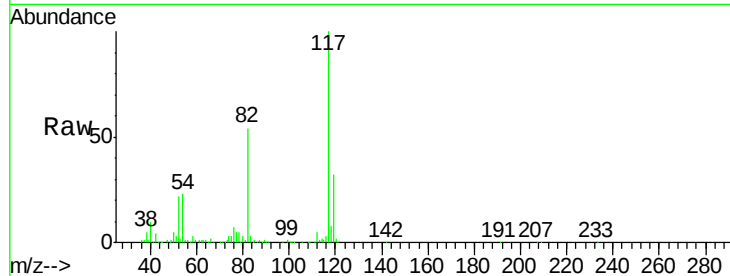




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

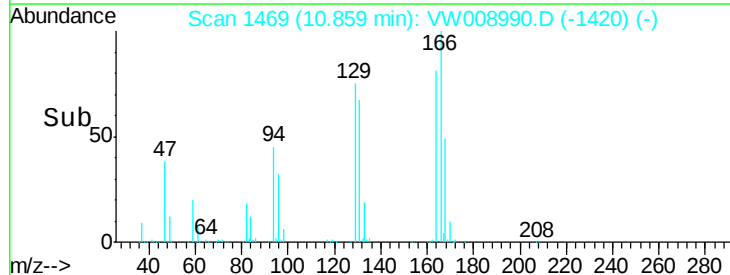
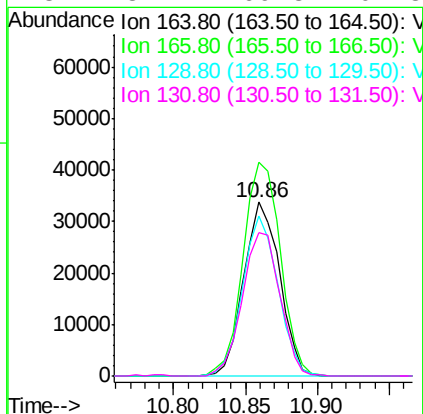
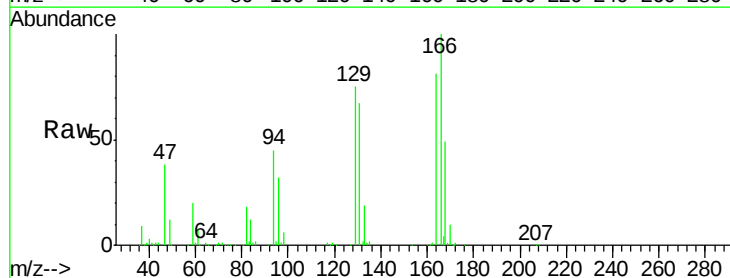
Instrument :
MSVOA_W
ClientSampled :

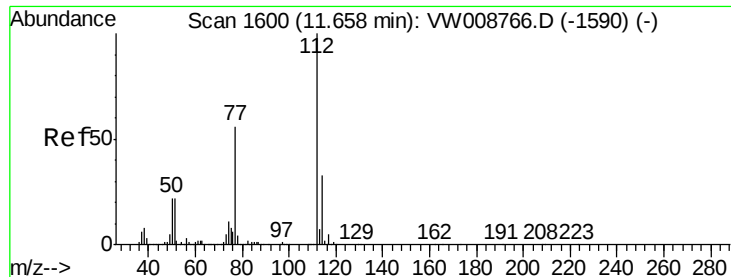
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	32.2	25.9	38.9



#64
Tetrachloroethene
Concen: 23.768 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	99.5	149.3
129	92.2	71.1	106.7
131	82.2	69.8	104.8

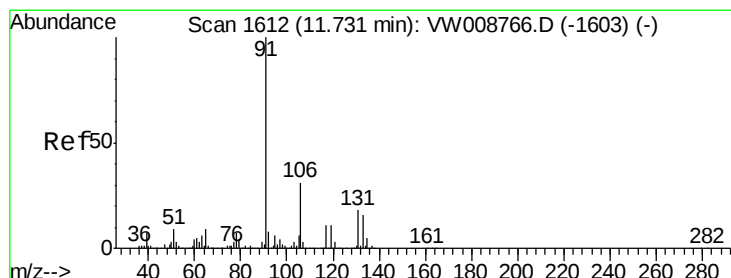
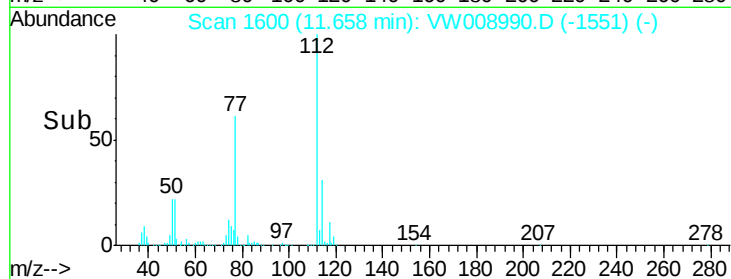
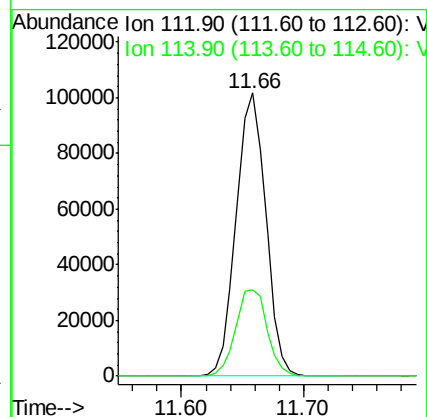
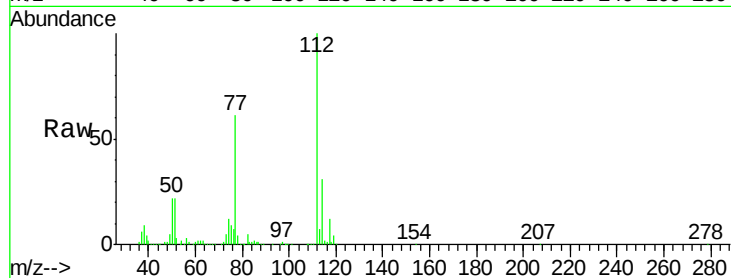




#65
Chlorobenzene
Concen: 23.665 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

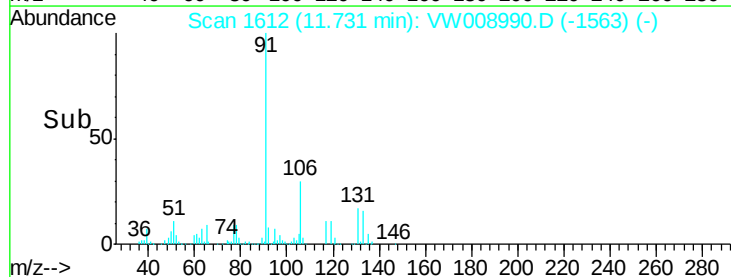
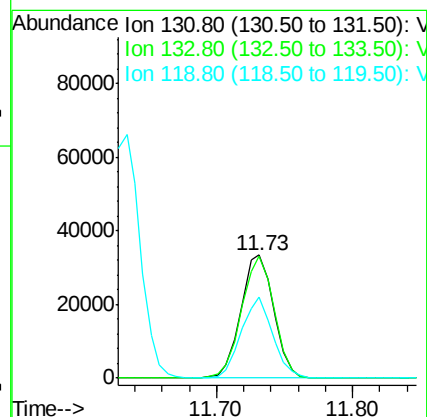
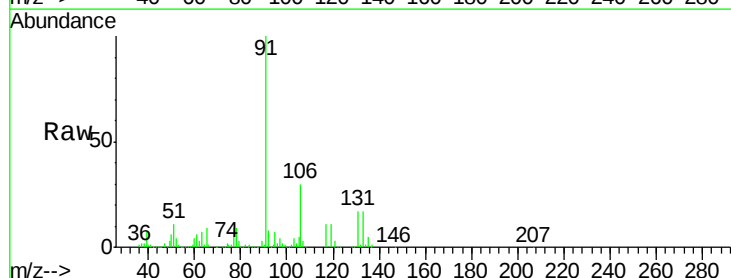
Instrument :
MSVOA_W
ClientSampleId :

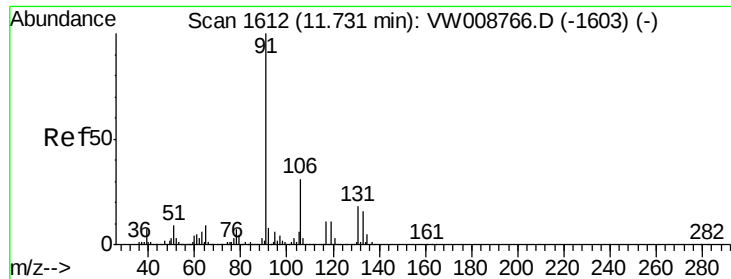
Tot Ion:112 Resp: 170525
Ion Ratio Lower Upper
112 100
114 30.6 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.196 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion:131 Resp: 56514
Ion Ratio Lower Upper
131 100
133 97.9 46.7 140.0
119 63.6 30.8 92.4

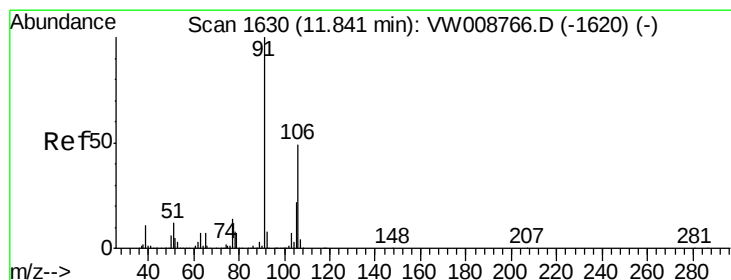
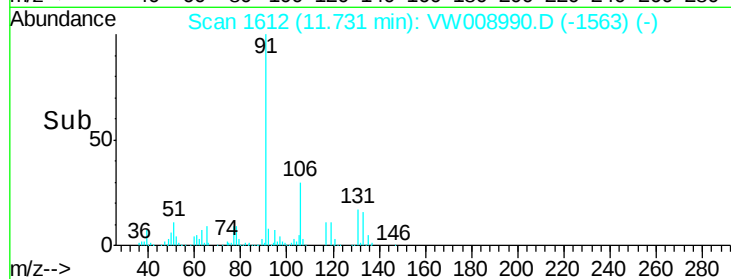
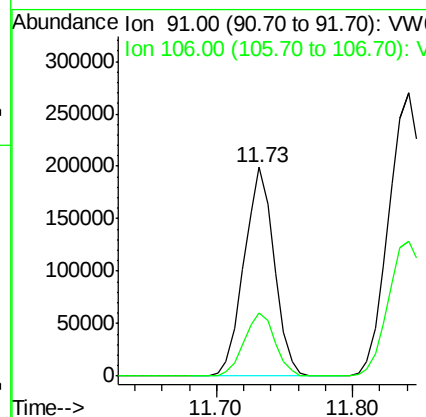
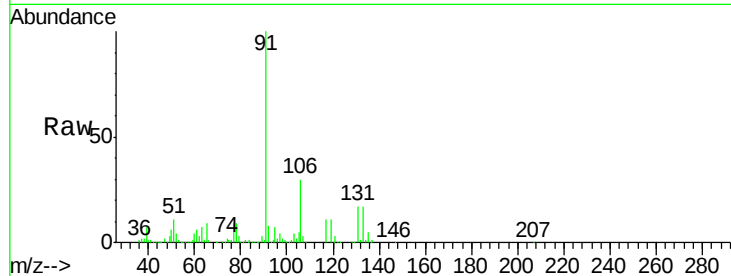




#67
Ethyl Benzene
Concen: 24.005 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

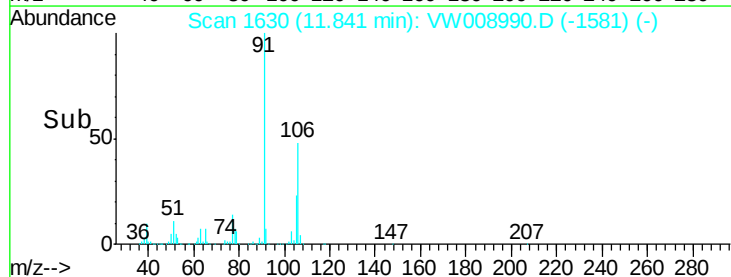
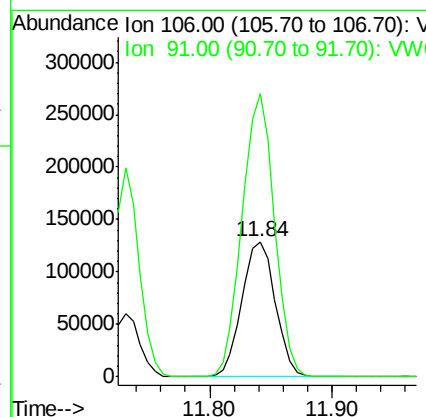
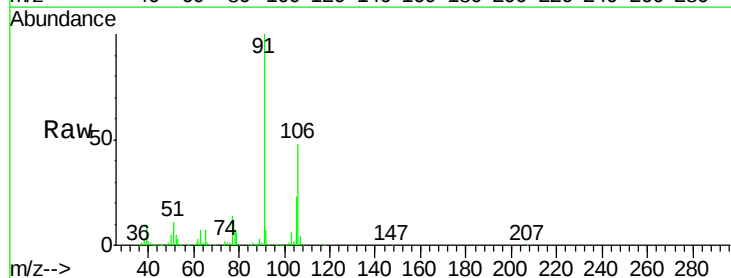
Instrument :
MSVOA_W
ClientSampled :

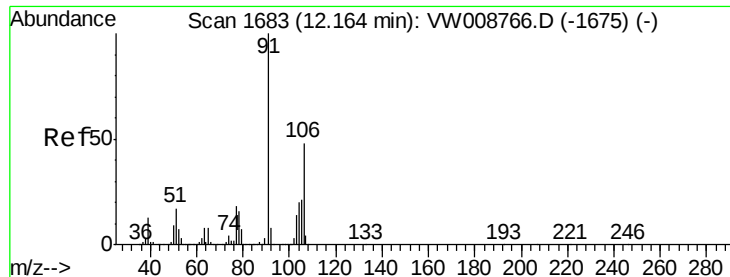
Tot Ion: 91 Resp: 309210
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.6



#68
m/p-Xylenes
Concen: 47.534 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 106 Resp: 244644
Ion Ratio Lower Upper
106 100
91 202.5 161.5 242.3

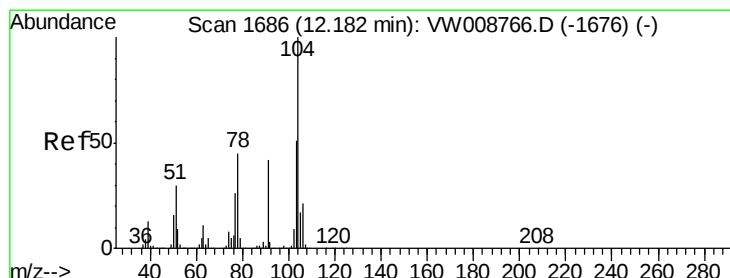
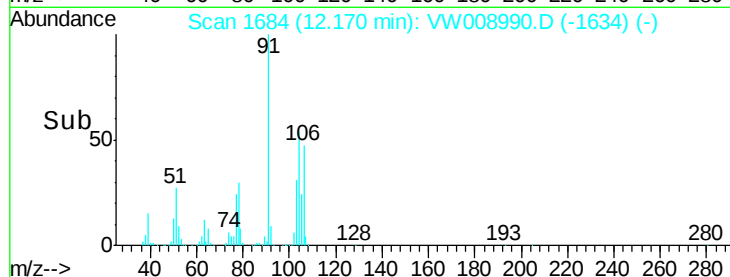
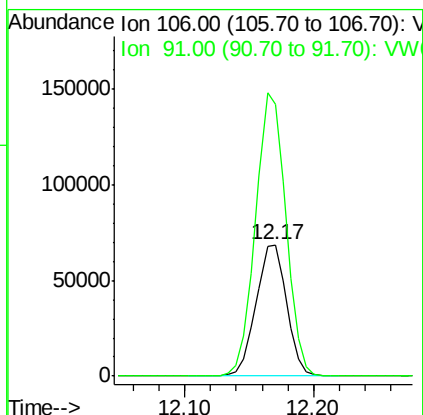
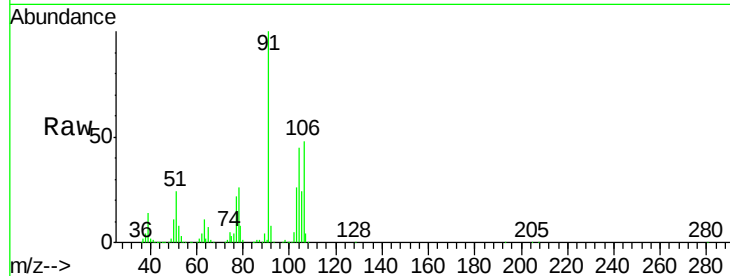




#69
o-Xylene
Concen: 23.284 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

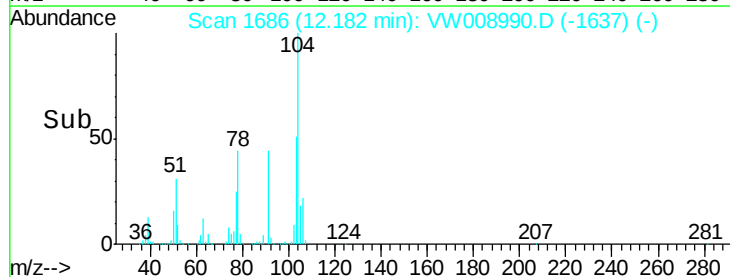
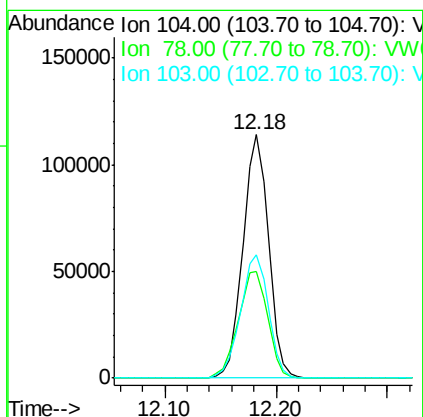
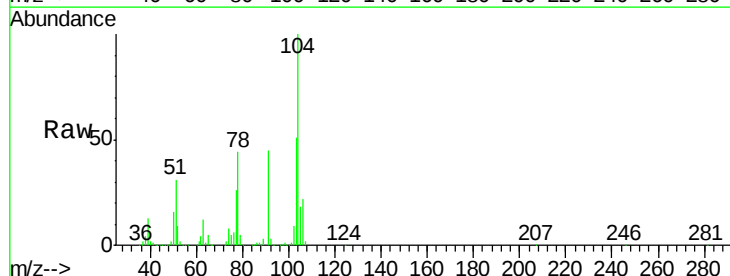
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 112479
Ion Ratio Lower Upper
106 100
91 213.9 106.2 318.6



#70
Styrene
Concen: 23.471 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion:104 Resp: 182413
Ion Ratio Lower Upper
104 100
78 50.3 40.8 61.2
103 55.2 44.2 66.2





#71

Bromoform

Concen: 21.083 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

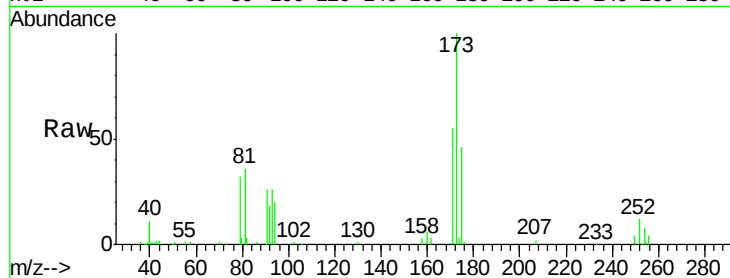
Tot Ion:173 Resp: 27611

Ion Ratio Lower Upper

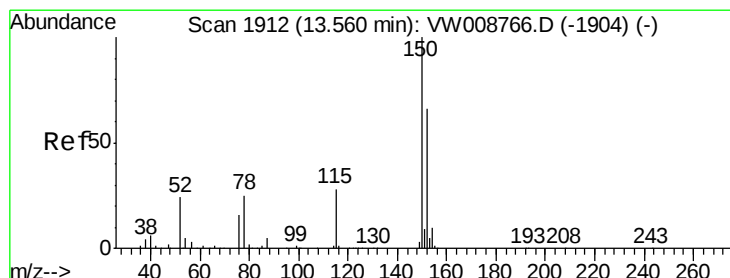
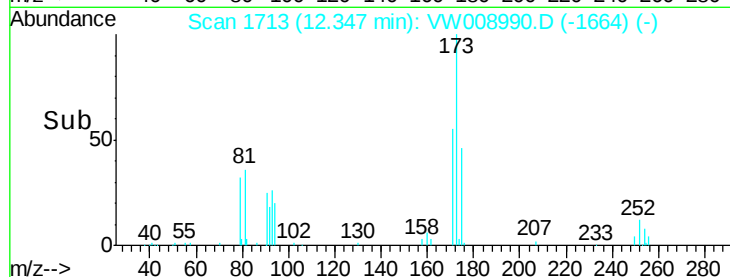
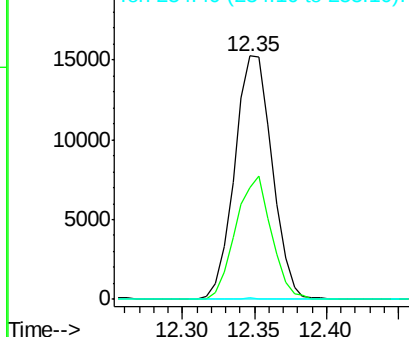
173 100

175 48.5 24.2 72.6

254 0.1 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

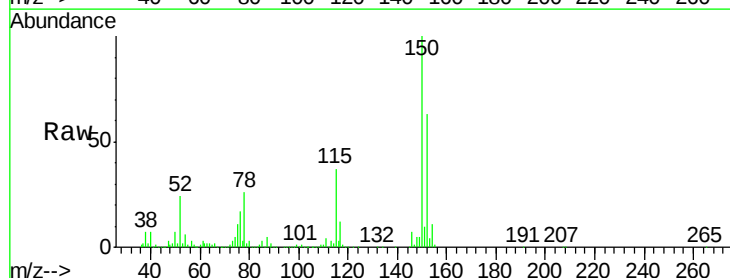
Tgt Ion:152 Resp: 189590

Ion Ratio Lower Upper

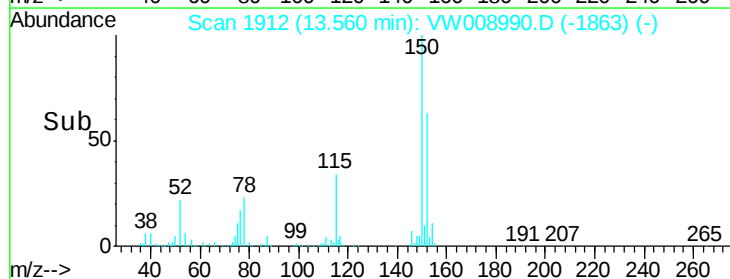
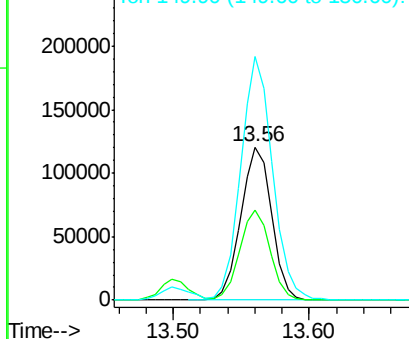
152 100

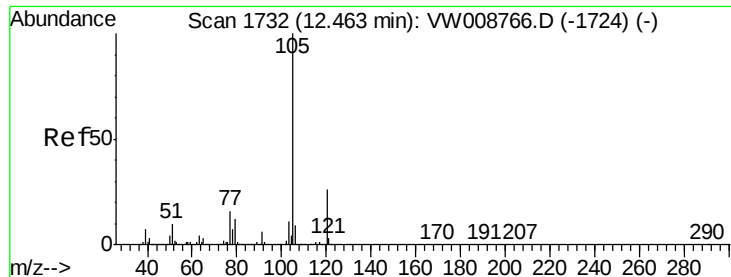
115 58.2 28.6 85.8

150 164.6 0.0 348.0



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





#73

Isopropylbenzene

Concen: 24.205 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

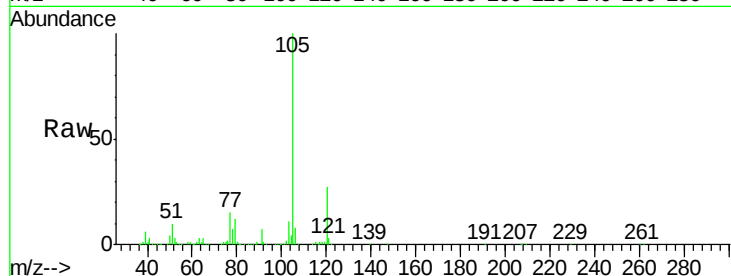
ClientSampleId :

Tot Ion:105 Resp: 314595

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

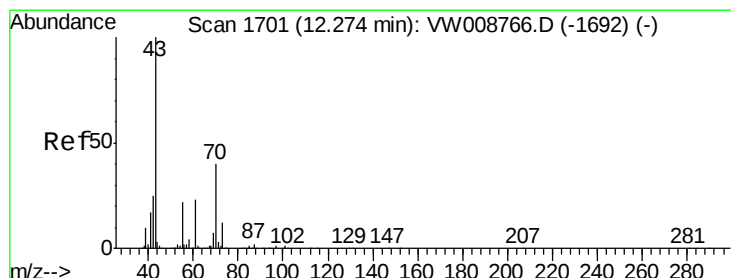
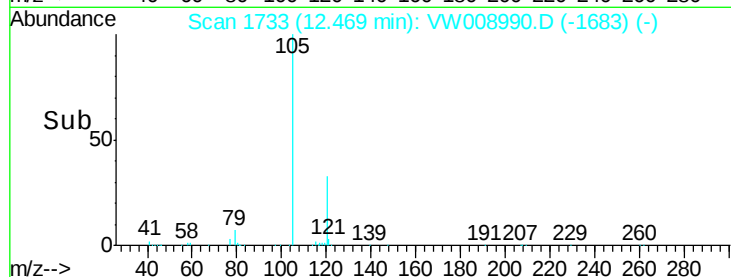
100000

50000

0

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 19.014 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion: 43 Resp: 62250

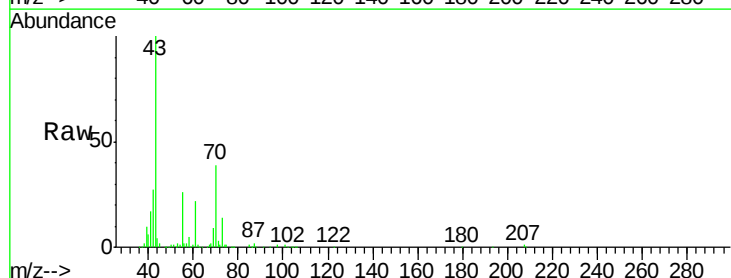
Ion Ratio Lower Upper

43 100

70 39.7 31.0 46.6

55 25.1 18.7 28.1

61 22.4 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

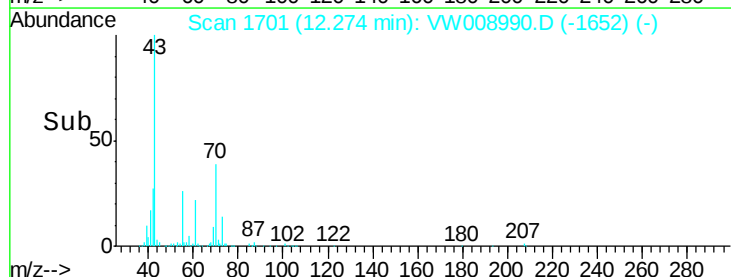
20000

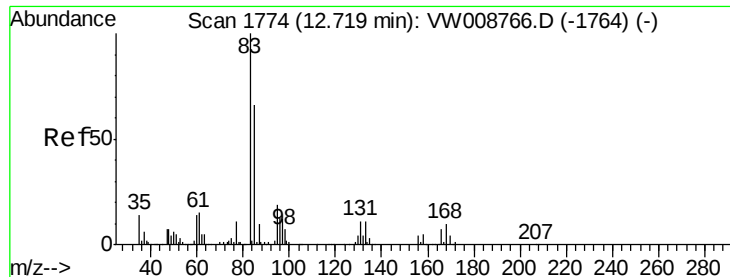
10000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.034 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

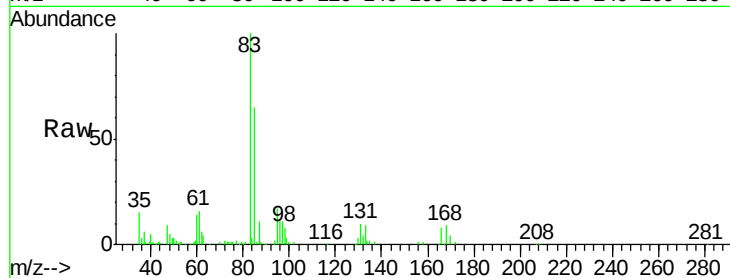
Tot Ion: 83 Resp: 44669

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

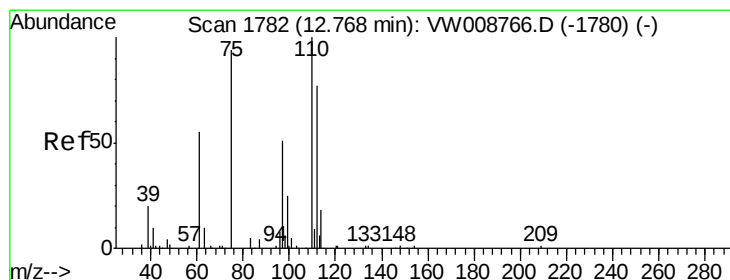
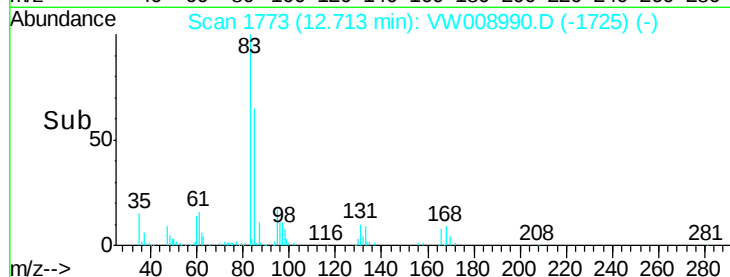
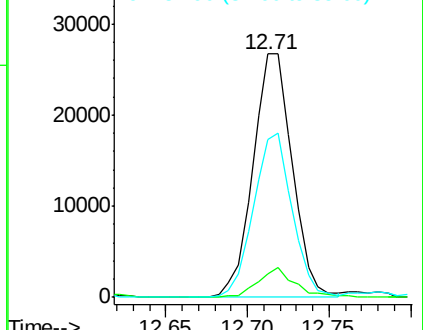
85 66.1 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.882 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008990.D

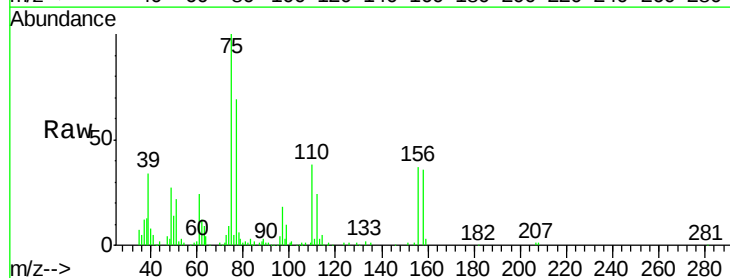
Acq: 05 Mar 2019 12:19

Tgt Ion: 75 Resp: 60862

Ion Ratio Lower Upper

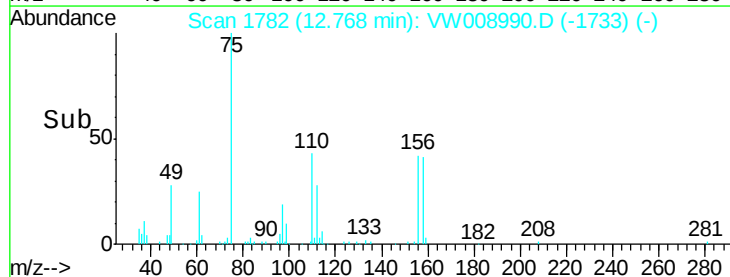
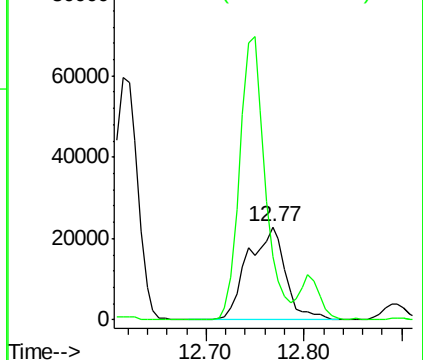
75 100

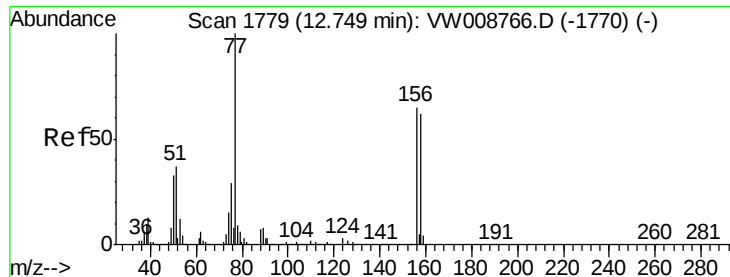
77 207.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 23.131 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

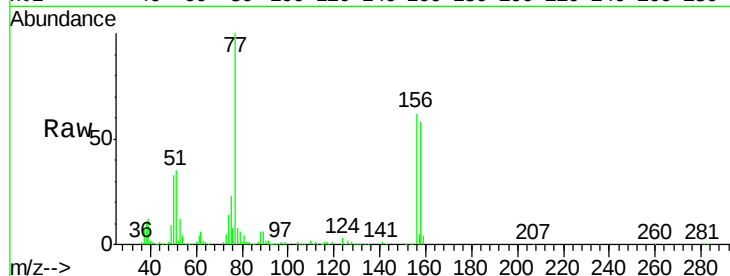
Tot Ion:156 Resp: 71044

Ion Ratio Lower Upper

156 100

77 177.7 89.1 267.4

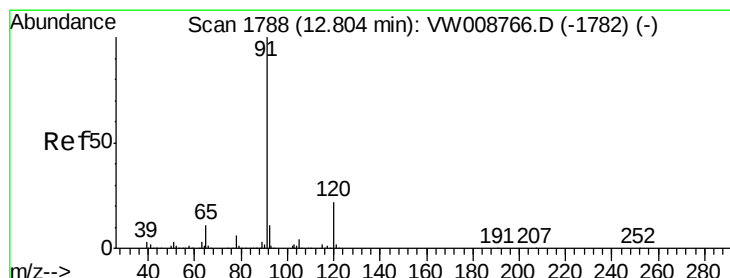
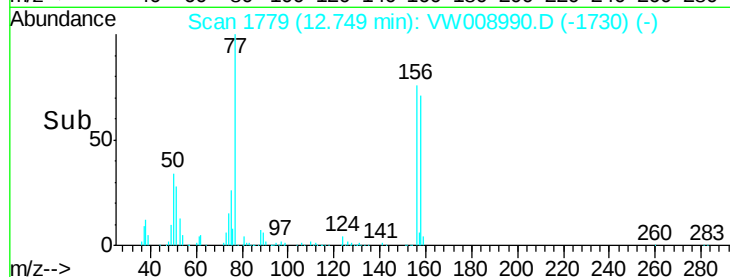
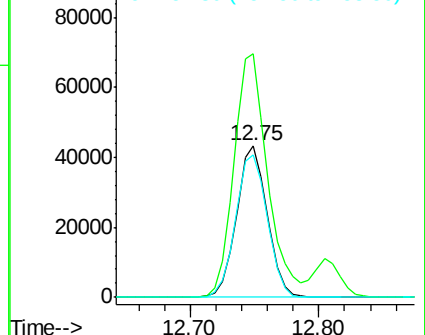
158 97.3 49.2 147.6



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: 24.572 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008990.D

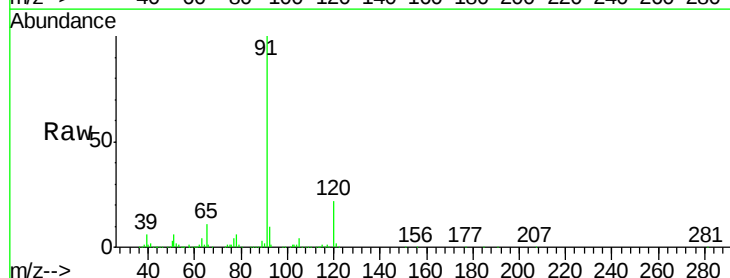
Acq: 05 Mar 2019 12:19

Tgt Ion: 91 Resp: 390662

Ion Ratio Lower Upper

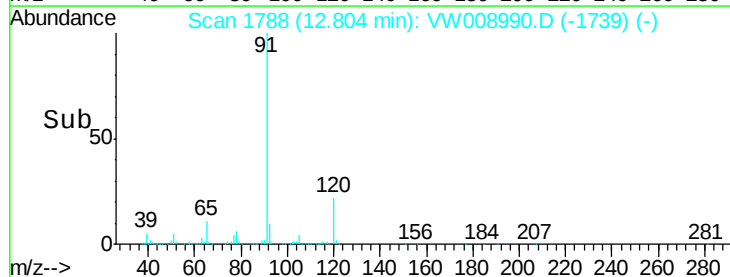
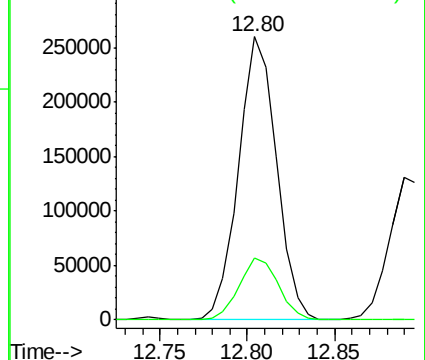
91 100

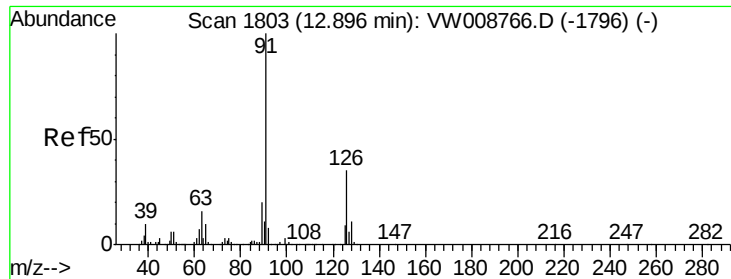
120 22.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

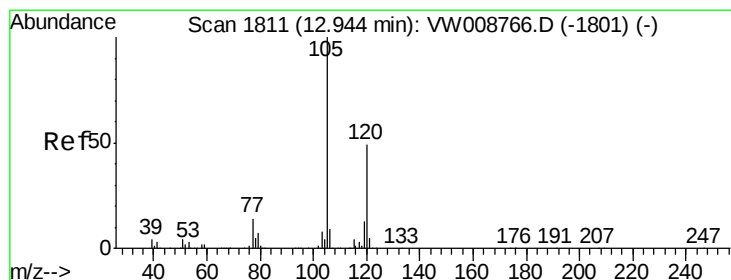
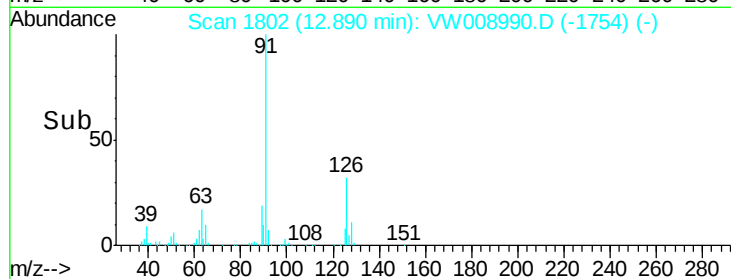
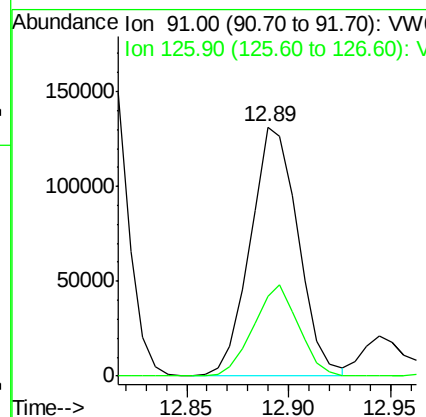
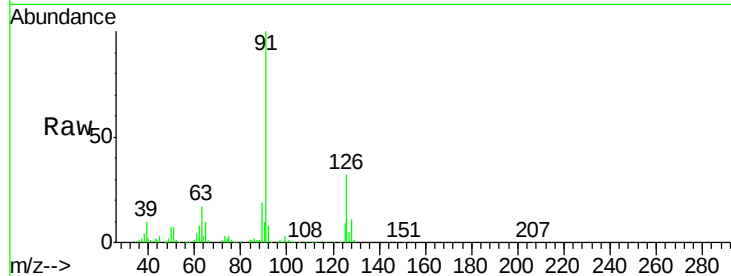




#79
 2-Chlorotoluene
 Concen: 23.655 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

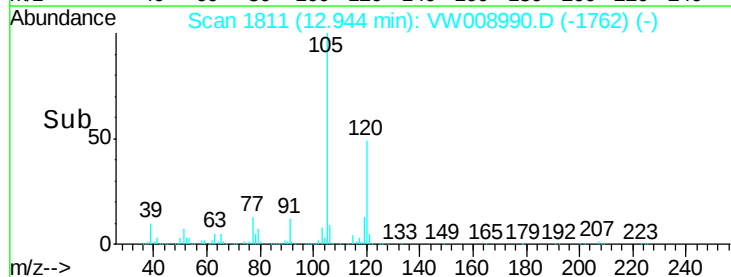
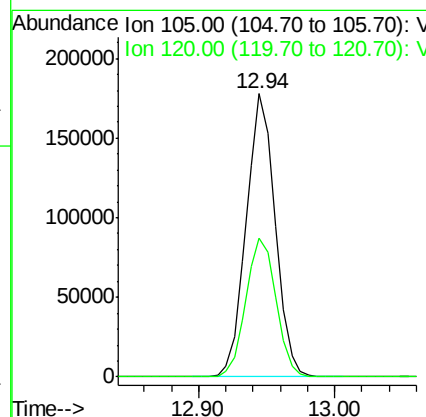
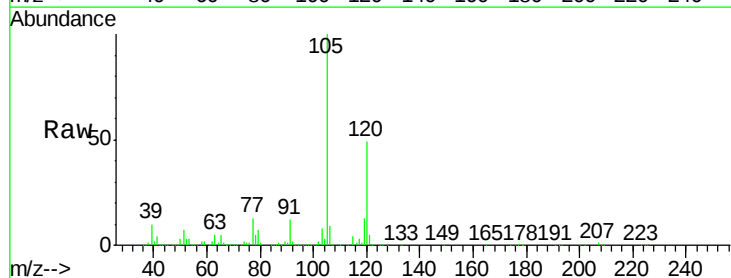
Instrument :
 MSVOA_W
 ClientSampled :

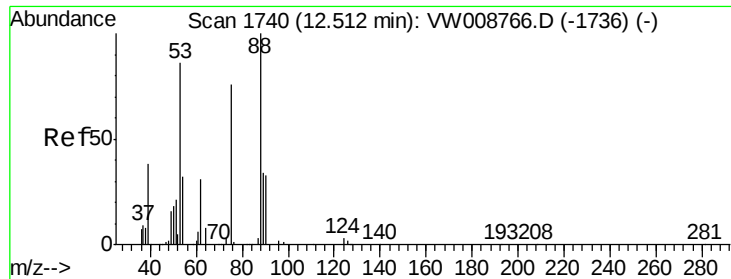
Tot Ion: 91 Resp: 213526
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 23.412 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 105 Resp: 264433
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.509 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

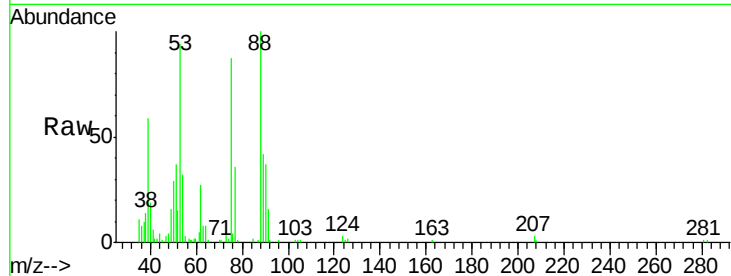
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 75 Resp: 13205

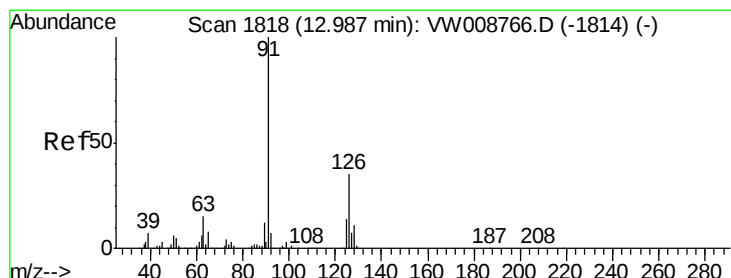
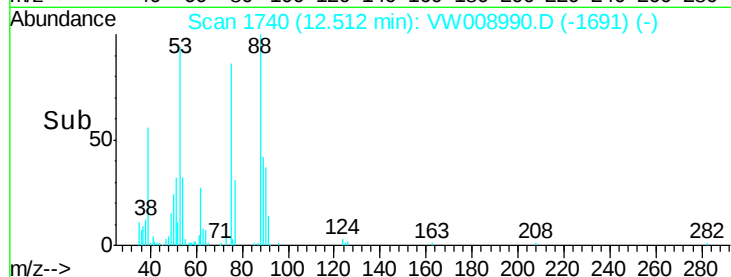
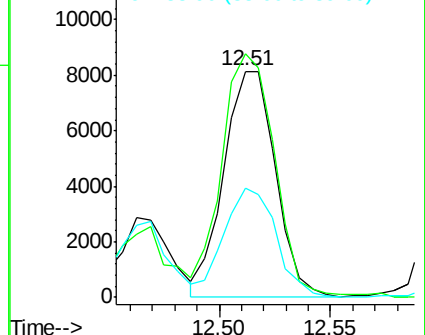
Ion	Ratio	Lower	Upper
75	100		
53	107.1	88.2	132.2
89	48.7	39.5	59.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 24.144 ug/l

RT: 12.99 min Scan# 1819

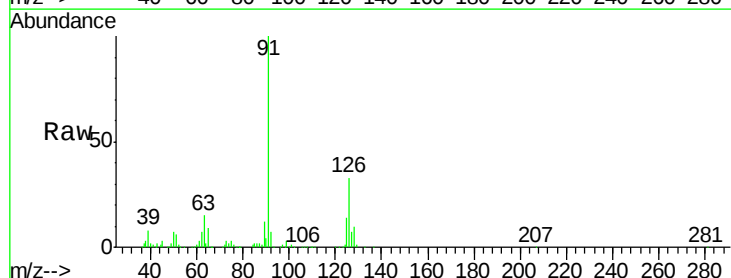
Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

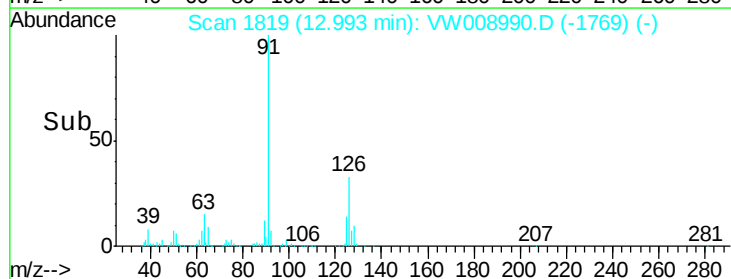
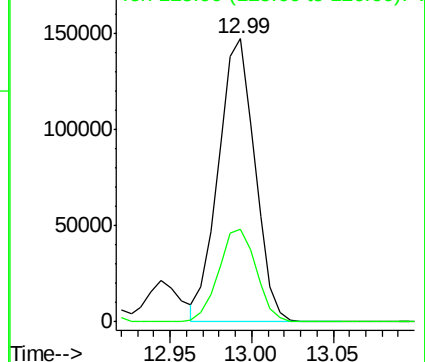
Tgt Ion: 91 Resp: 229659

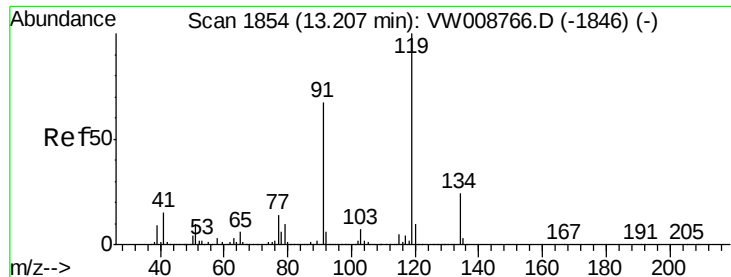
Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

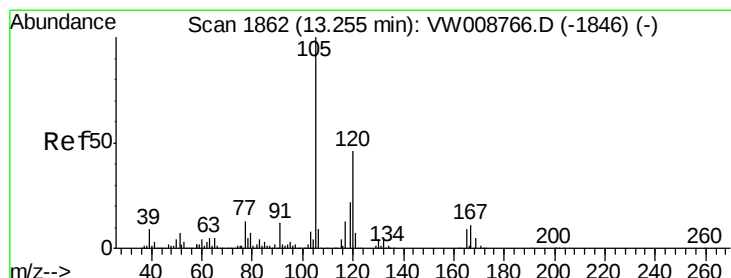
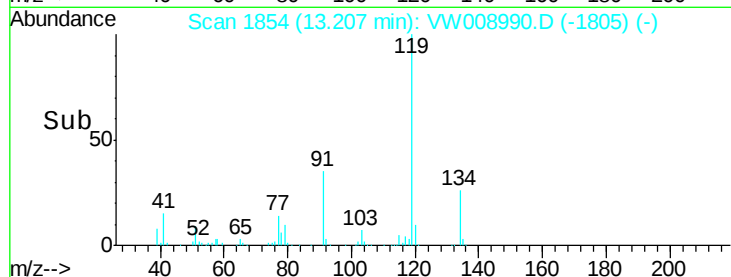
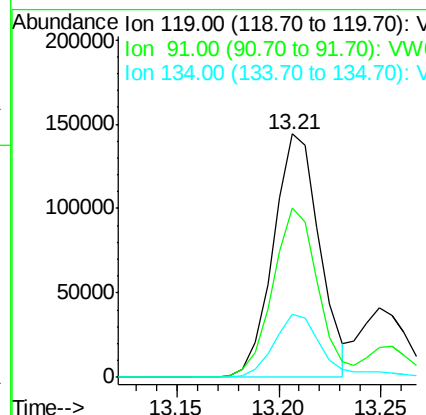
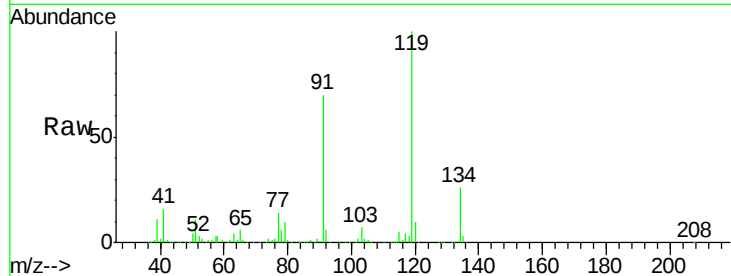




#83
tert-Butylbenzene
Concen: 23.344 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

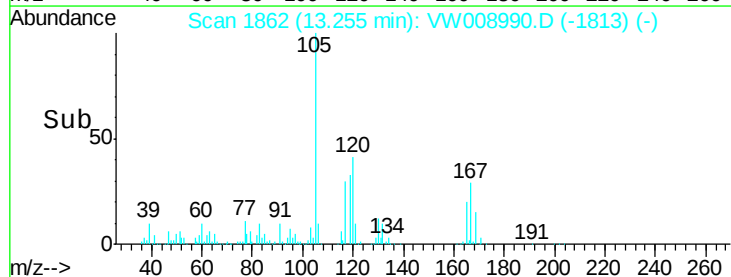
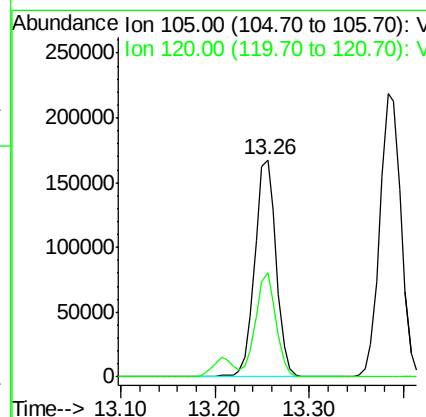
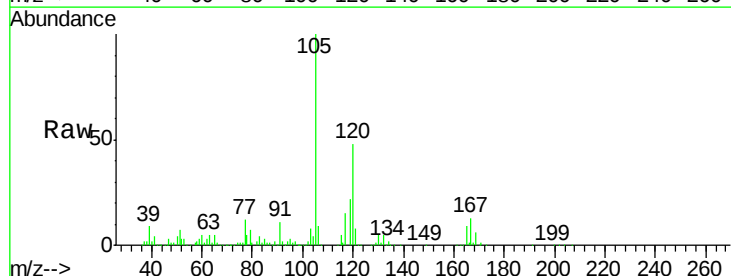
Instrument :
MSVOA_W
ClientSampleId :

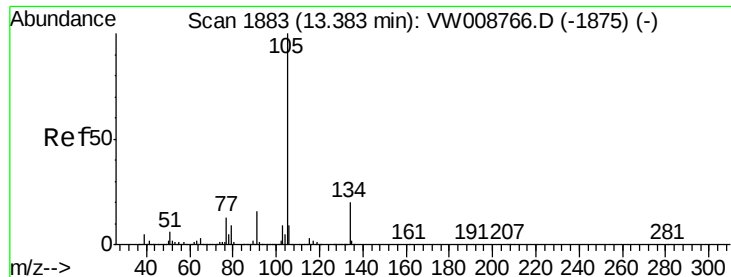
Tot Ion:119 Resp: 227985
Ion Ratio Lower Upper
119 100
91 68.4 33.6 100.8
134 27.6 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 22.848 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion:105 Resp: 267133
Ion Ratio Lower Upper
105 100
120 45.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 24.177 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

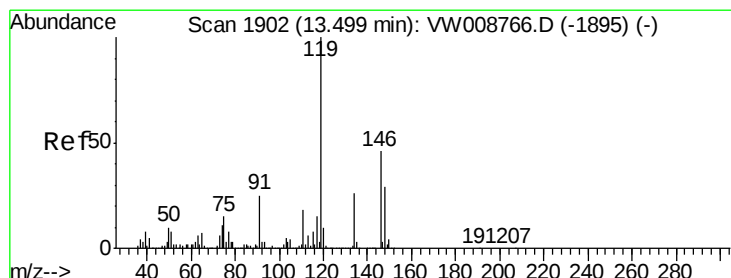
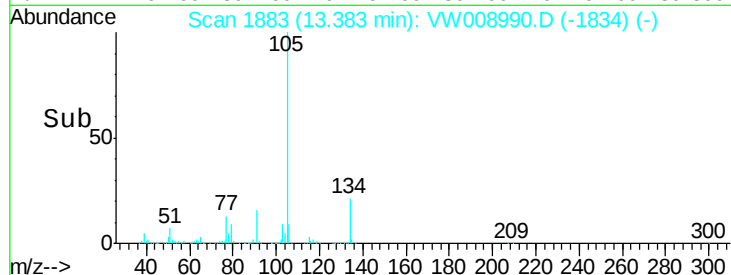
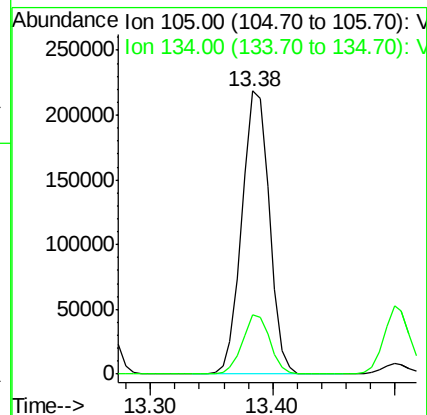
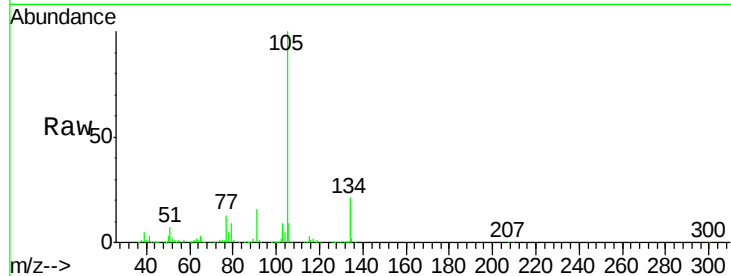
ClientSampleId :

Tot Ion:105 Resp: 339513

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1



#86

p-Isopropyltoluene

Concen: 23.316 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

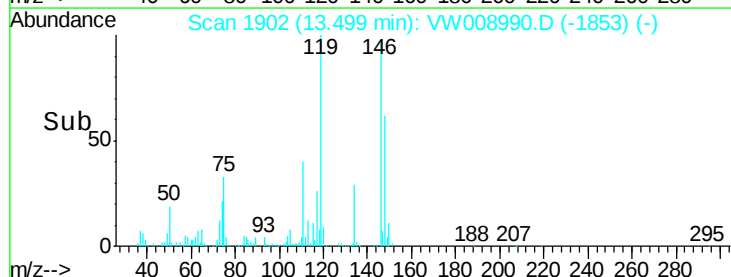
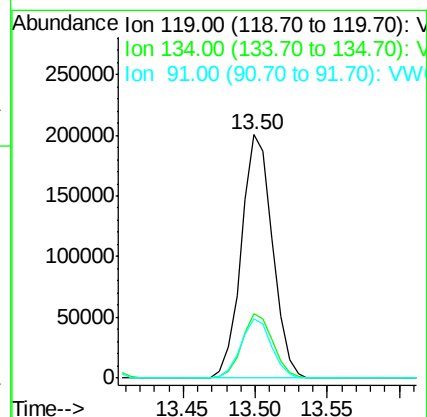
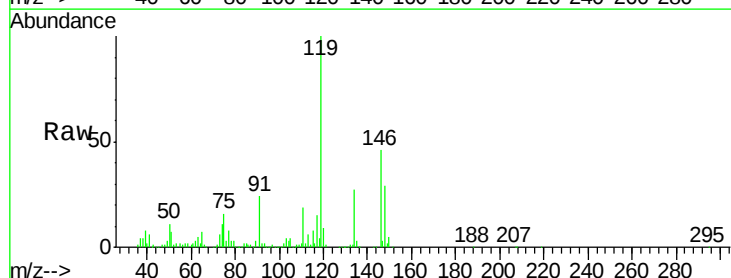
Tgt Ion:119 Resp: 300158

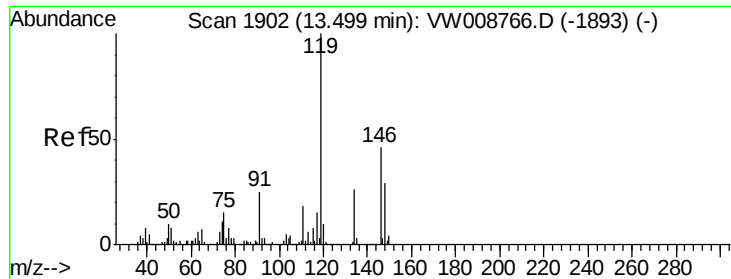
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 24.0 12.1 36.3

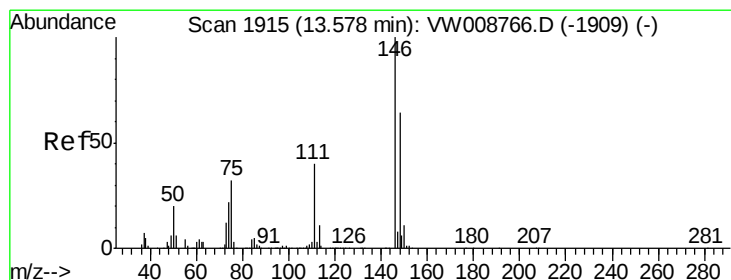
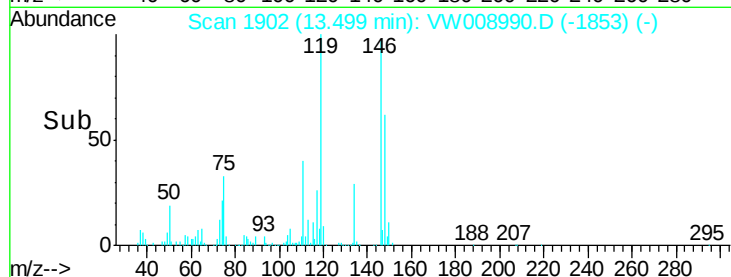
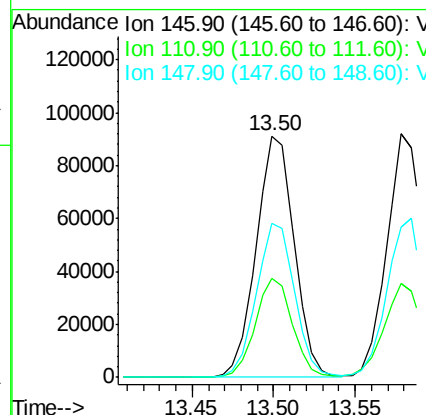
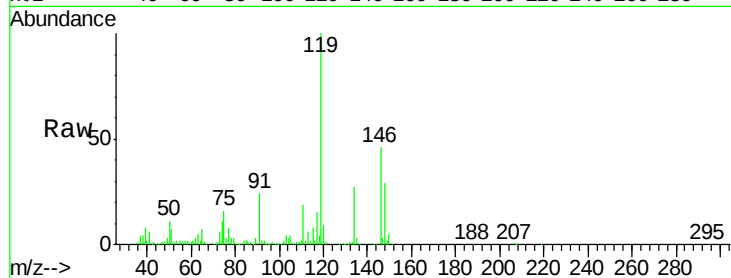




#87
 1,3-Dichlorobenzene
 Concen: 23.258 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

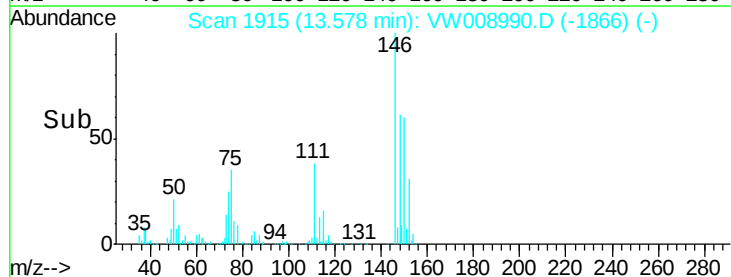
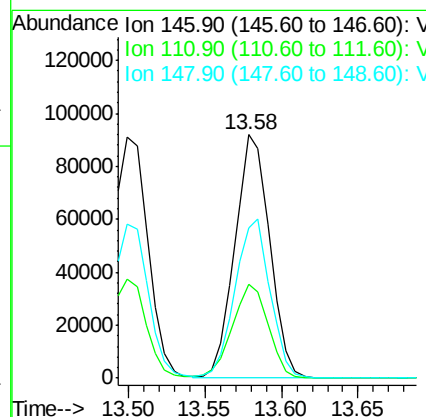
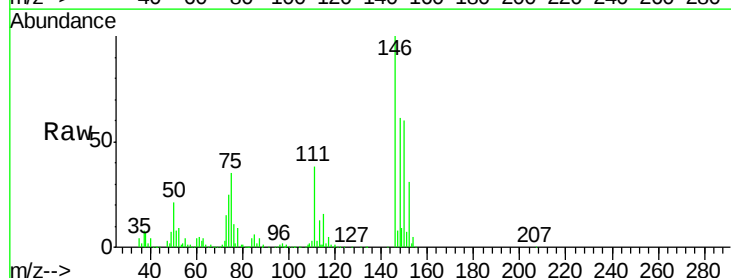
Instrument :
 MSVOA_W
 ClientSampleId :

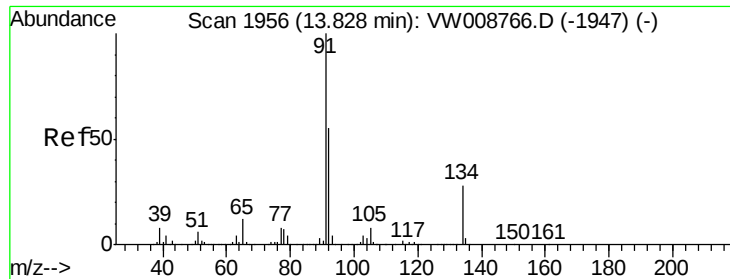
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	64.1	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 23.141 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.9
148	66.0	31.9	95.9





#89

n-Butylbenzene

Concen: 23.346 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampled :

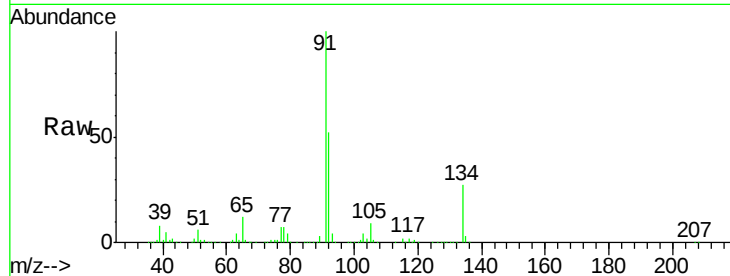
Tot Ion: 91 Resp: 281569

Ion Ratio Lower Upper

91 100

92 53.4 26.8 80.4

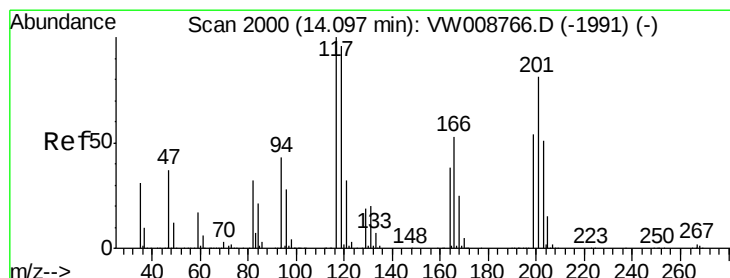
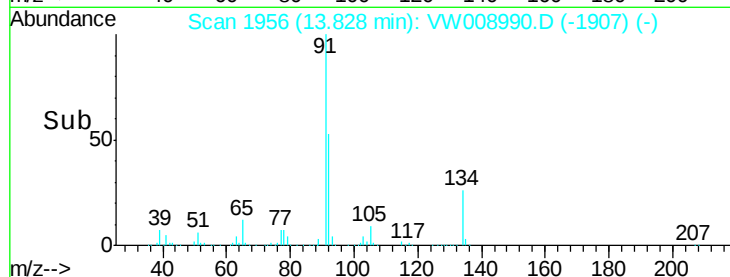
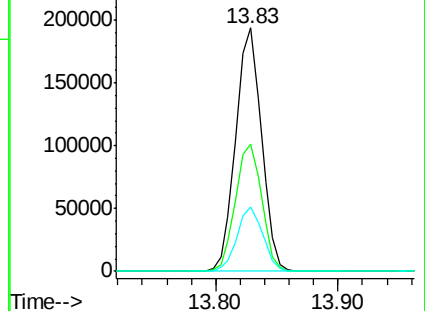
134 26.5 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 24.114 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008990.D

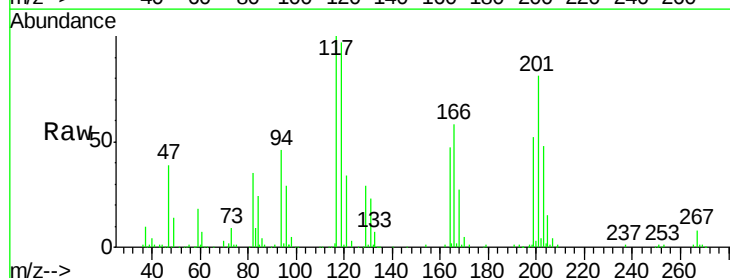
Acq: 05 Mar 2019 12:19

Tgt Ion: 117 Resp: 50819

Ion Ratio Lower Upper

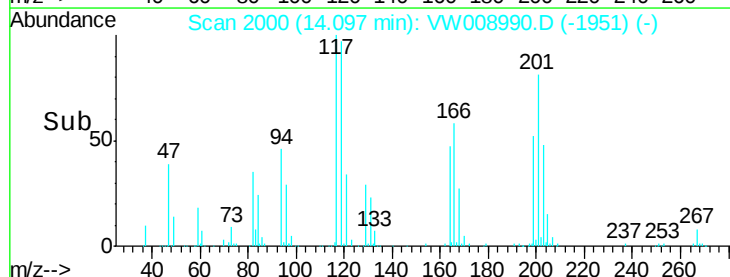
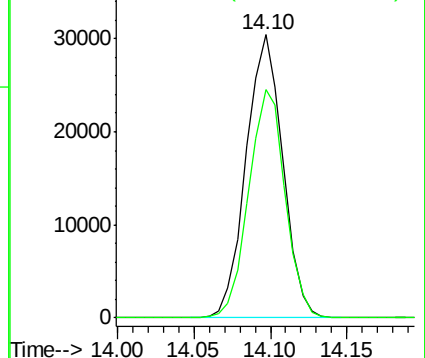
117 100

201 79.9 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 23.142 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008990.D

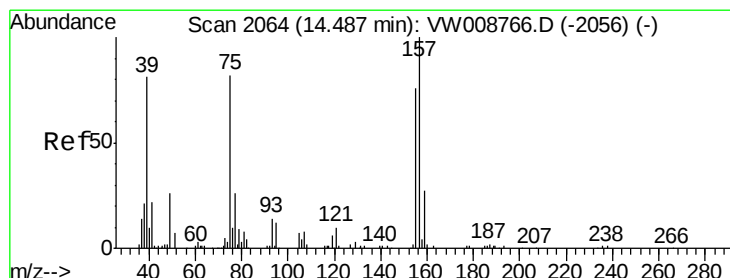
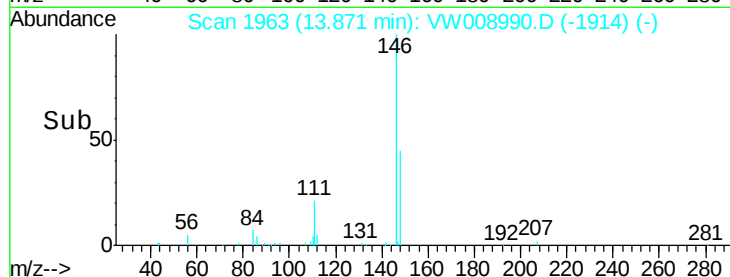
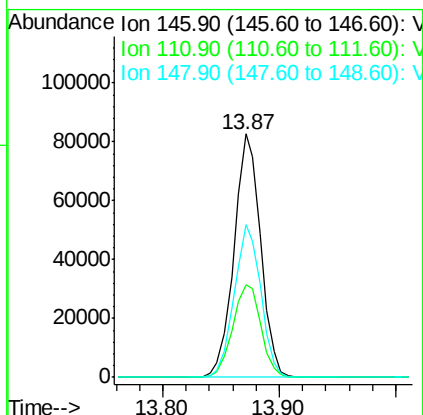
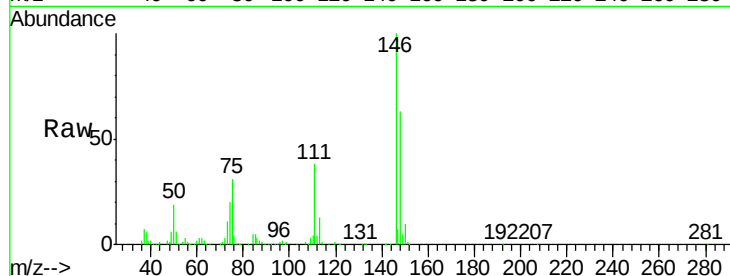
Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	131396
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	62.6	32.5	97.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.403 ug/l

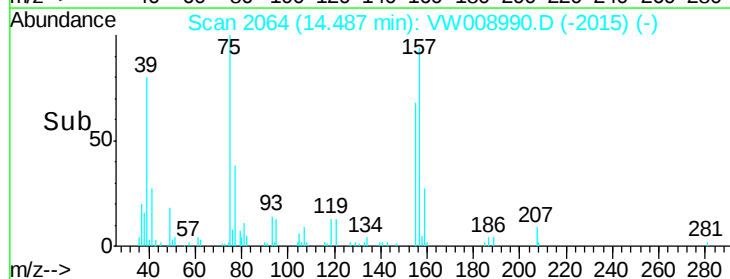
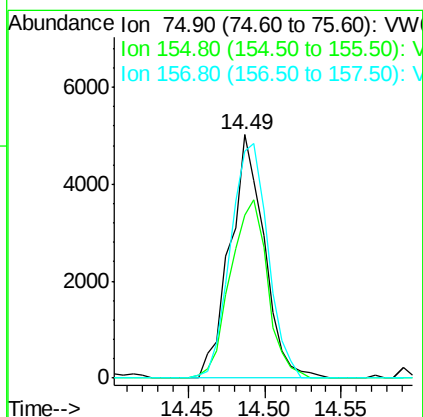
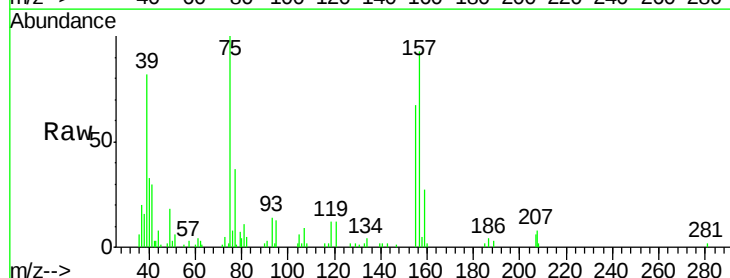
RT: 14.49 min Scan# 2064

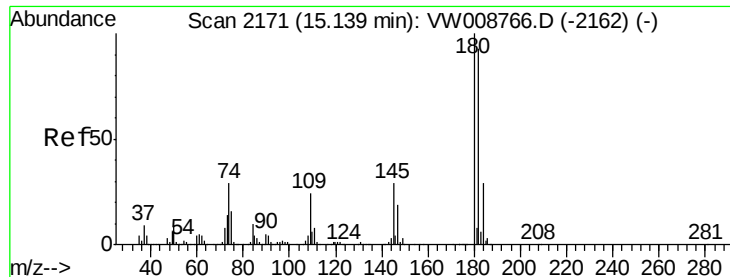
Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion:	75	Resp:	7838
Ion	Ratio	Lower	Upper
75	100		
155	78.6	41.8	125.4
157	104.3	56.6	169.9

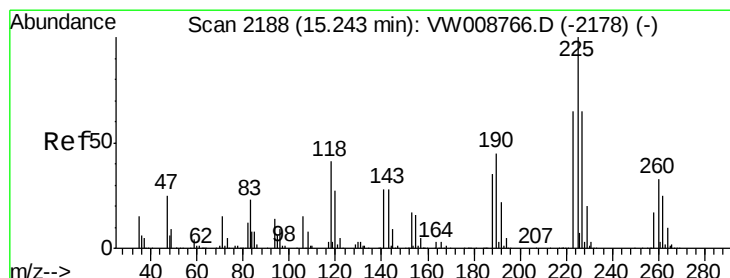
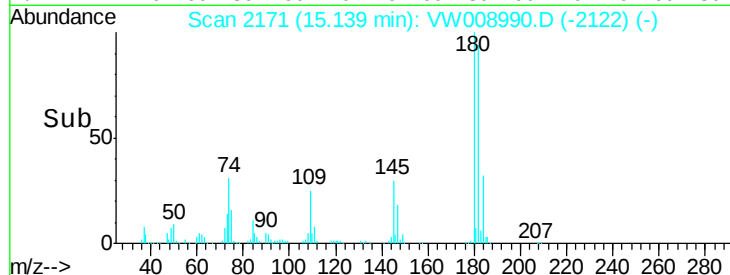
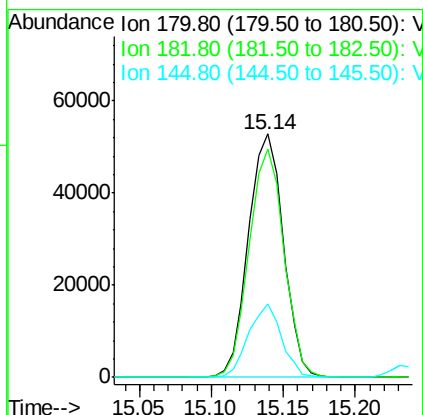
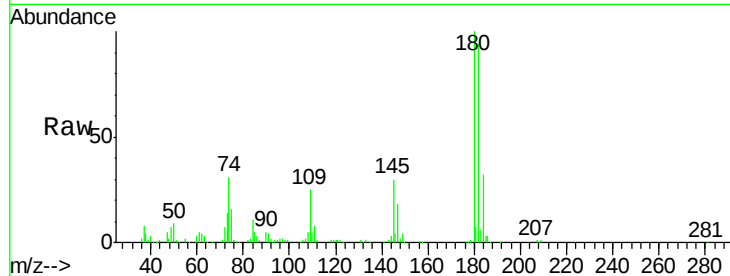




#93
 1,2,4-Trichlorobenzene
 Concen: 21.655 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

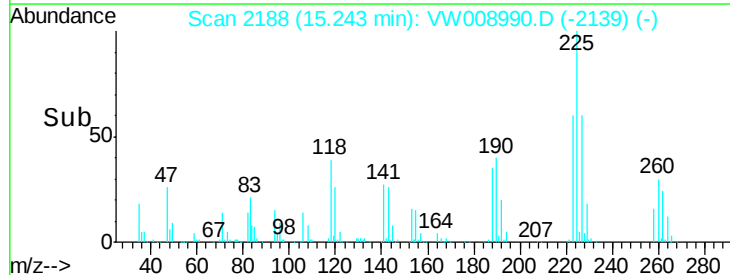
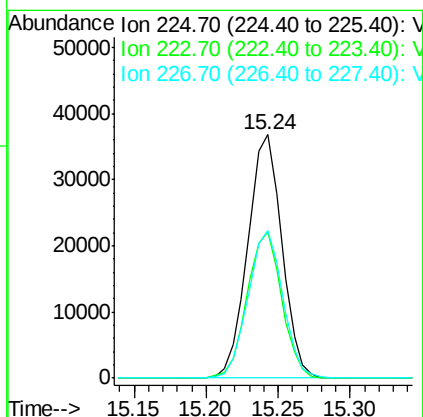
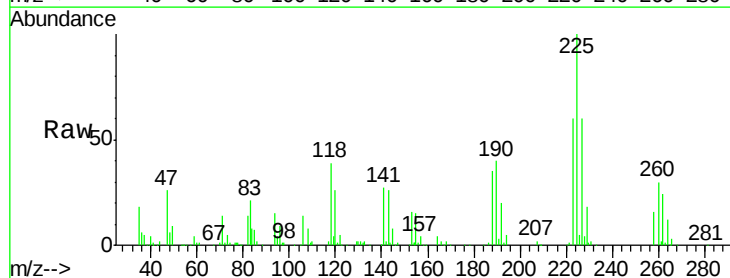
Instrument :
 MSVOA_W
 ClientSampleId :

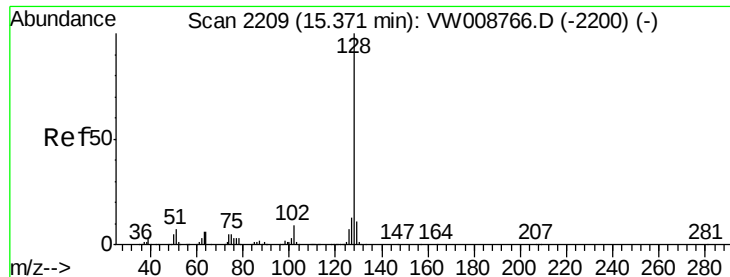
Tot Ion:180 Resp: 88591
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.2 141.6
 145 28.6 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 24.955 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion:225 Resp: 60135
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.5 94.5
 227 61.7 31.6 94.8

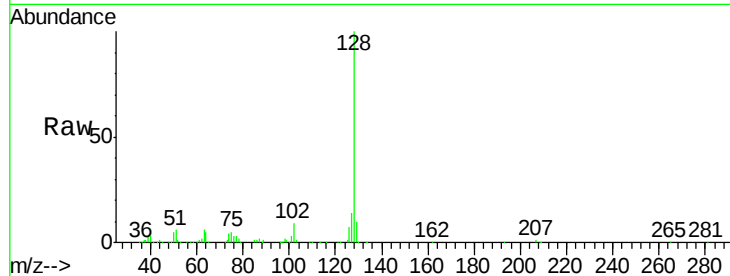




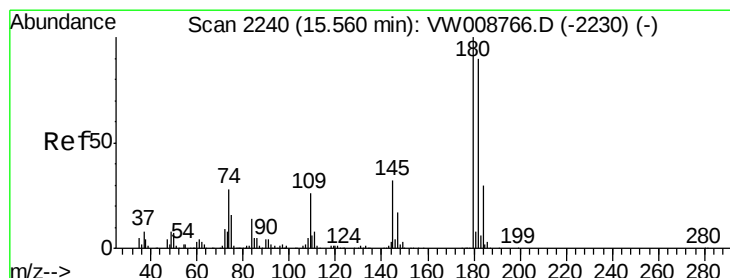
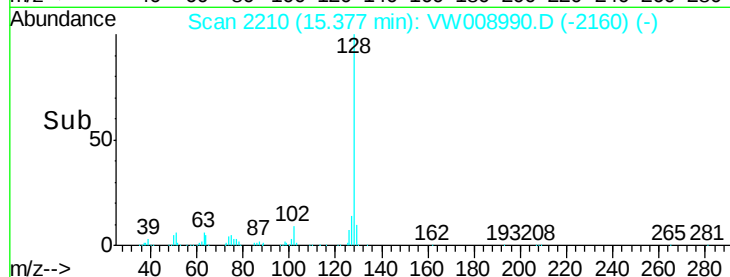
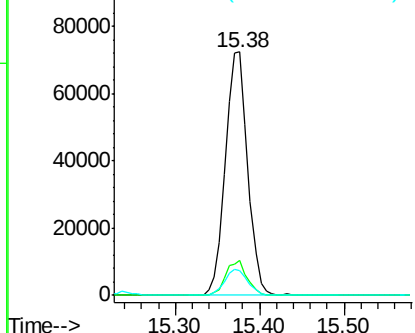
#95
Naphthalene
Concen: 18.881 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 131512
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 10.9 8.7 13.1

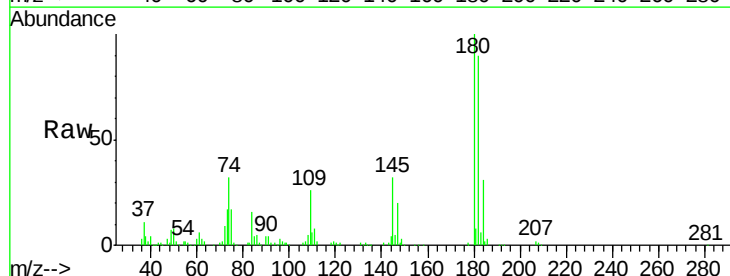


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.125 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion:180 Resp: 74722
Ion Ratio Lower Upper
180 100
182 95.0 46.9 140.8
145 32.3 15.9 47.6



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

