

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083018\
 Data File : VW005013.D
 Acq On : 30 Aug 2018 13:01
 Operator : SY/AP
 Sample : VW0830SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 30 14:14:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	531193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	774314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	807354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	440853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	191896	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.89	113	186643	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.33	98	1083154	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.62	95	395935	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	100514	21.90	ug/l	100
3) Chloromethane	2.22	50	163358	25.07	ug/l	100
4) Vinyl Chloride	2.36	62	142640	21.93	ug/l	98
5) Bromomethane	2.78	94	88323	20.77	ug/l	92
6) Chloroethane	2.92	64	81058	21.07	ug/l	97
7) Trichlorofluoromethane	3.26	101	130478	19.40	ug/l	99
8) Diethyl Ether	3.69	74	41840	21.88	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.07	101	80120	19.30	ug/l	99
10) Methyl Iodide	4.28	142	85889	15.40	ug/l	99
11) Tert butyl alcohol	5.21	59	23780	90.32	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	79062	20.38	ug/l	99
13) Acrolein	3.90	56	21418	69.13	ug/l	96
14) Allyl chloride	4.68	41	123586	20.69	ug/l	98
15) Acrylonitrile	5.39	53	99612	102.13	ug/l	99
16) Acetone	4.15	43	82009	100.08	ug/l	95
17) Carbon Disulfide	4.39	76	329590	20.22	ug/l	99
18) Methyl Acetate	4.69	43	49569	24.97	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	187596	22.51	ug/l	96
20) Methylene Chloride	4.92	84	154051	24.18	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	89222	21.18	ug/l	99
22) Diisopropyl ether	6.32	45	270681	22.20	ug/l	98
23) Vinyl Acetate	6.27	43	636881	102.17	ug/l	100
24) 1,1-Dichloroethane	6.23	63	158127	21.43	ug/l	99
25) 2-Butanone	7.18	43	137083	107.28	ug/l	94
26) 2,2-Dichloropropane	7.18	77	110391	17.05	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	98689	21.54	ug/l	99
28) Bromochloromethane	7.52	49	68685	21.17	ug/l	98
29) Tetrahydrofuran	7.54	42	72913	112.96	ug/l	96
30) Chloroform	7.68	83	155316	21.40	ug/l	99
31) Cyclohexane	7.96	56	162571	20.79	ug/l #	96
32) 1,1,1-Trichloroethane	7.88	97	139032	20.82	ug/l	99
36) 1,1-Dichloropropene	8.09	75	130893	19.95	ug/l	98
37) Ethyl Acetate	7.27	43	51028	21.58	ug/l	98
38) Carbon Tetrachloride	8.07	117	122181	19.24	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170106	18.81	ug/l	99
40) Benzene	8.33	78	420272	20.01	ug/l	99
41) Methacrylonitrile	7.49	41	28495	20.68	ug/l	98
42) 1,2-Dichloroethane	8.41	62	94972	20.32	ug/l	100
43) Isopropyl Acetate	8.43	43	93816	19.94	ug/l	99
44) Trichloroethene	9.10	130	105565	19.68	ug/l	100
45) 1,2-Dichloropropane	9.38	63	99204	20.65	ug/l	99
46) Dibromomethane	9.46	93	46417	20.41	ug/l	96
47) Bromodichloromethane	9.65	83	116223	20.68	ug/l	98
48) Methyl methacrylate	9.45	41	49483	19.55	ug/l	93
49) 1,4-Dioxane	9.48	88	18406	390.02	ug/l #	96
51) 4-Methyl-2-Pentanone	10.22	43	354214	100.51	ug/l	99
52) Toluene	10.40	92	322304	20.69	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	112715	18.78	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	135635	19.38	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	74059	19.90	ug/l	98
56) Ethyl methacrylate	10.65	69	99041	20.29	ug/l	98
57) 1,3-Dichloropropane	10.94	76	123459	20.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	211227	100.42	ug/l	98
59) 2-Hexanone	10.98	43	249447	97.76	ug/l	98
60) Dibromochloromethane	11.13	129	79747	19.52	ug/l	99
61) 1,2-Dibromoethane	11.24	107	68569	19.65	ug/l	100
64) Tetrachloroethene	10.87	164	130486	22.17	ug/l	97
65) Chlorobenzene	11.66	112	354349	19.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	93894	19.27	ug/l	99
67) Ethyl Benzene	11.74	91	620729	20.44	ug/l	100
68) m/p-Xylenes	11.85	106	507729	40.99	ug/l	100
69) o-Xylene	12.17	106	236237	20.87	ug/l	100
70) Styrene	12.19	104	385999	20.56	ug/l	100
71) Bromoform	12.35	173	49594	18.31	ug/l #	99
73) Isopropylbenzene	12.47	105	615952	20.96	ug/l	100
74) N-amyl acetate	12.28	43	113042	20.38	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	89075	20.02	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	115288	36.92	ug/l #	100
77) Bromobenzene	12.75	156	148195	20.55	ug/l	100
78) n-propylbenzene	12.81	91	762832	21.04	ug/l	99
79) 2-Chlorotoluene	12.90	91	445214	21.26	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	545665	21.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	22209	16.08	ug/l	89
82) 4-Chlorotoluene	12.99	91	465864	20.88	ug/l	99
83) tert-Butylbenzene	13.21	119	450444	20.65	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	548665	20.83	ug/l	99
85) sec-Butylbenzene	13.39	105	660785	20.64	ug/l	99
86) p-Isopropyltoluene	13.51	119	583032	20.33	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	307445	20.11	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	302852	20.00	ug/l	99
89) n-Butylbenzene	13.83	91	536564	19.93	ug/l	99
90) Hexachloroethane	14.10	117	85889	19.05	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	275124	20.45	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14642	19.05	ug/l	98

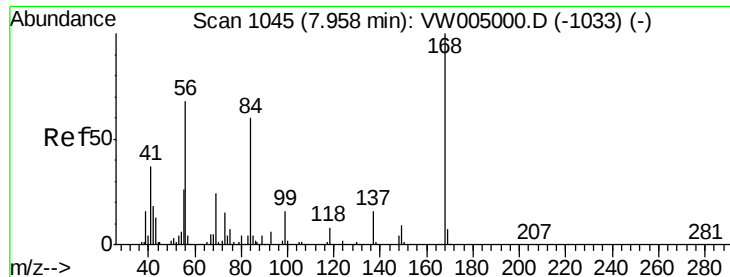
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Quant Title : SW846 8260
QLast Update : Thu Aug 30 01:51:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	183086	19.42	ug/l	100
94) Hexachlorobutadiene	15.24	225	109648	18.58	ug/l	98
95) Naphthalene	15.38	128	307422	20.23	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	161792	19.43	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

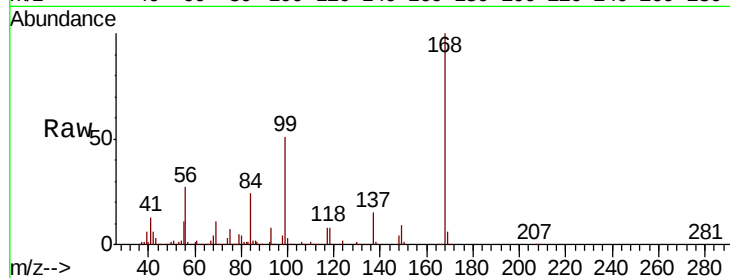
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 531193

Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

100000

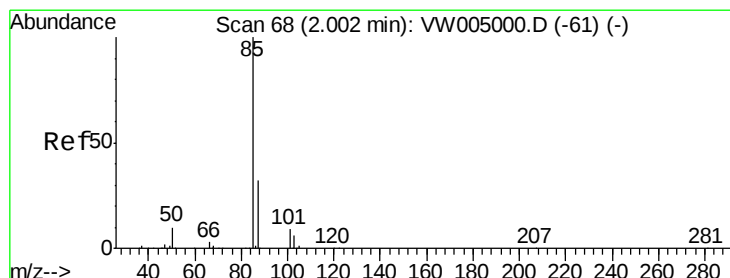
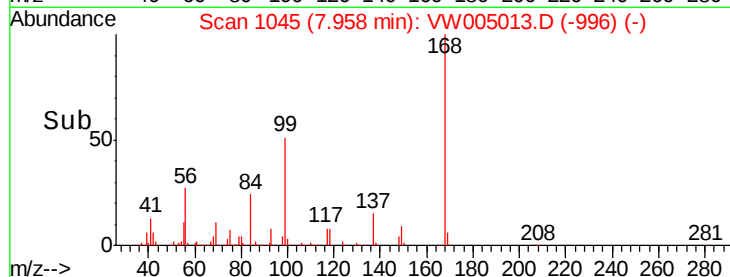
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.90 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005013.D

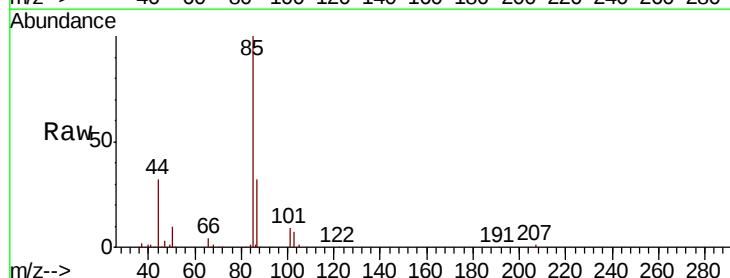
Acq: 30 Aug 2018 13:01

Tgt Ion: 85 Resp: 100514

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

40000

20000

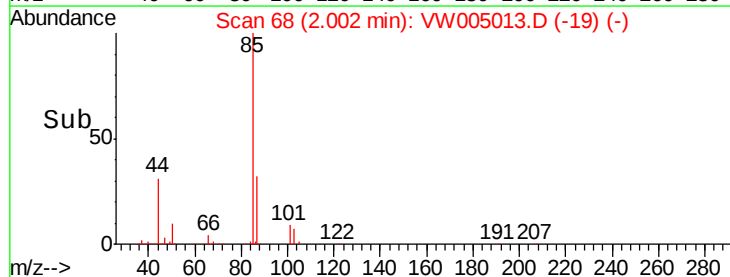
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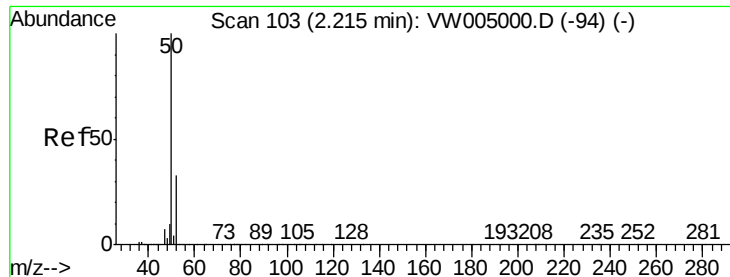
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 25.07 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

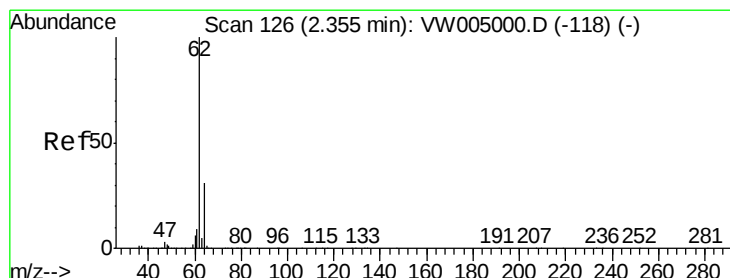
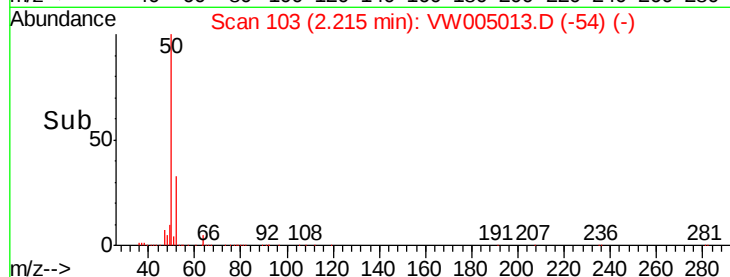
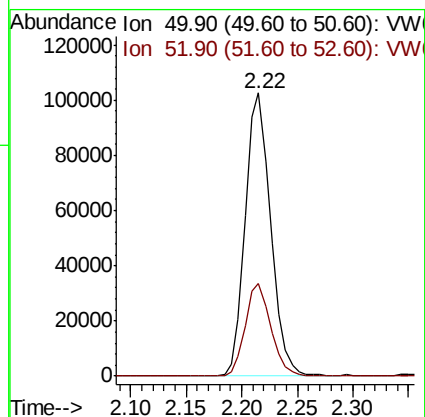
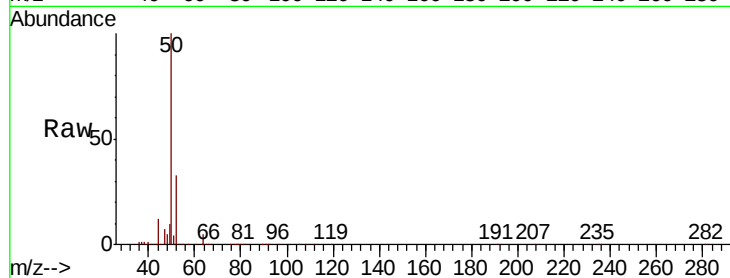
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 163358

Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1



#4

Vinyl Chloride

Concen: 21.93 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW005013.D

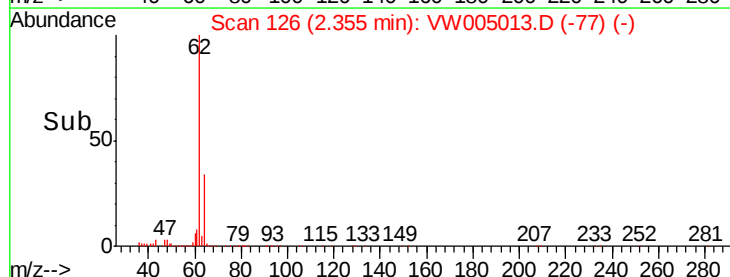
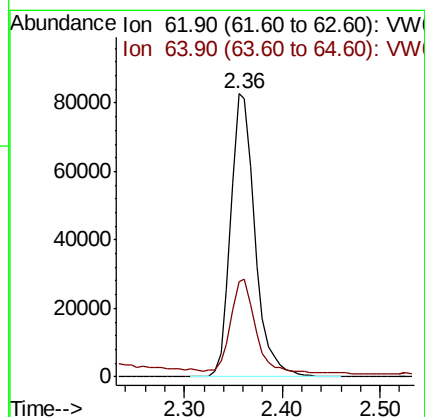
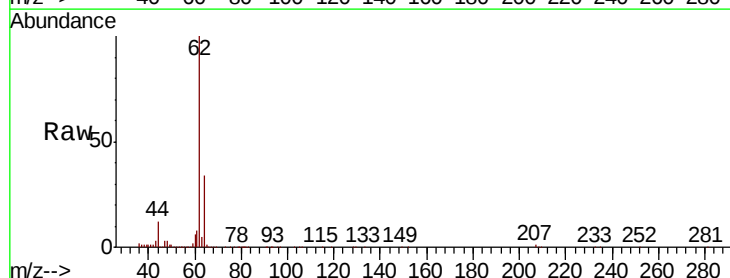
Acq: 30 Aug 2018 13:01

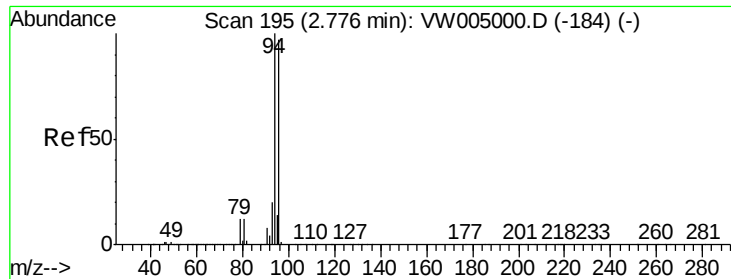
Tgt Ion: 62 Resp: 142640

Ion Ratio Lower Upper

62 100

64 32.3 24.8 37.2





#5

Bromomethane

Concen: 20.77 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

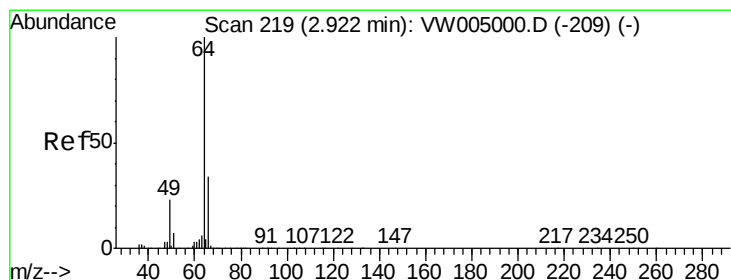
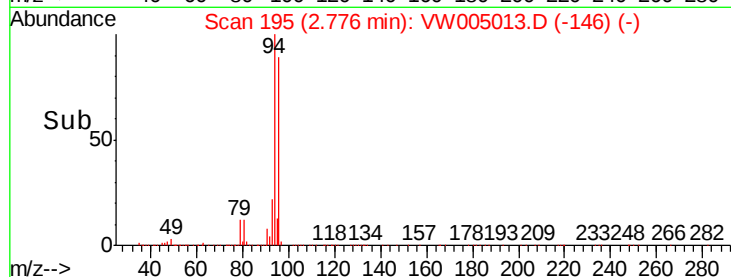
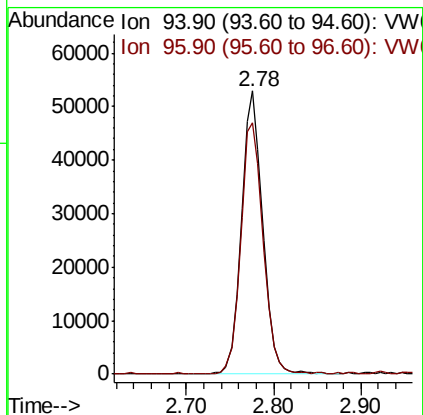
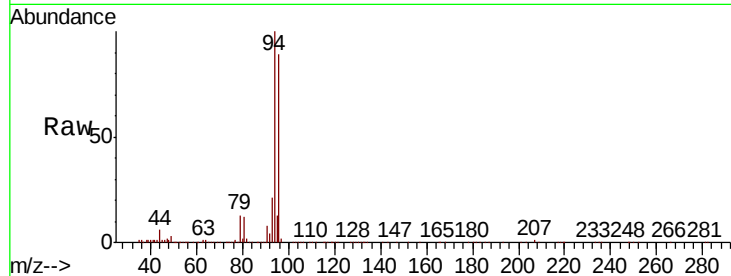
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 88323

Ion Ratio Lower Upper

94 100

96 88.9 77.5 116.3



#6

Chloroethane

Concen: 21.07 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005013.D

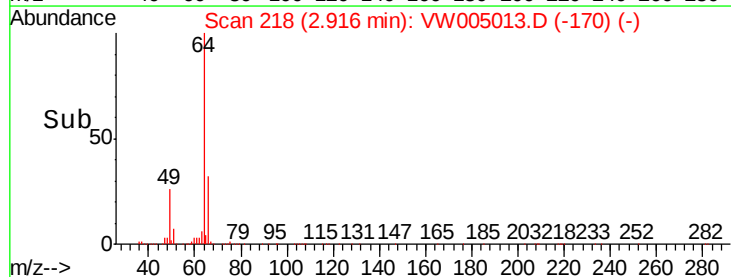
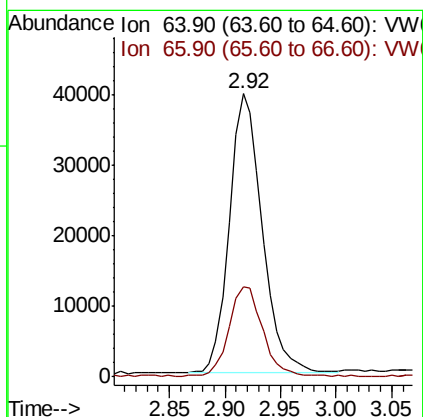
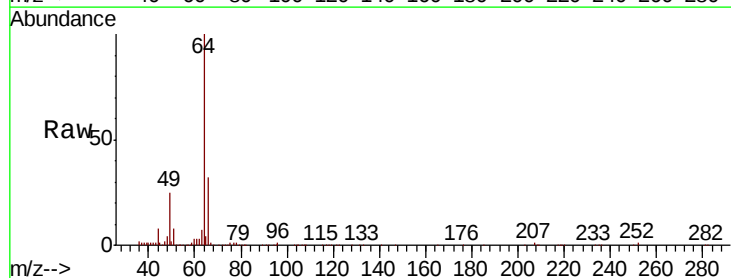
Acq: 30 Aug 2018 13:01

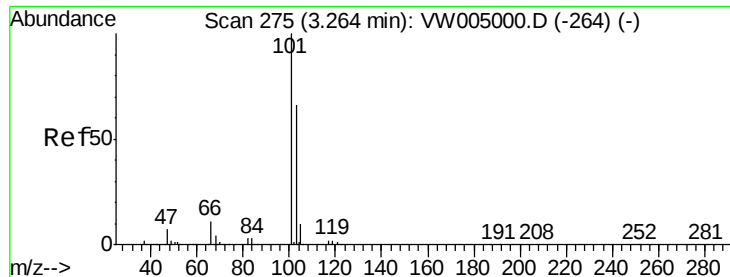
Tgt Ion: 64 Resp: 81058

Ion Ratio Lower Upper

64 100

66 31.9 26.8 40.2



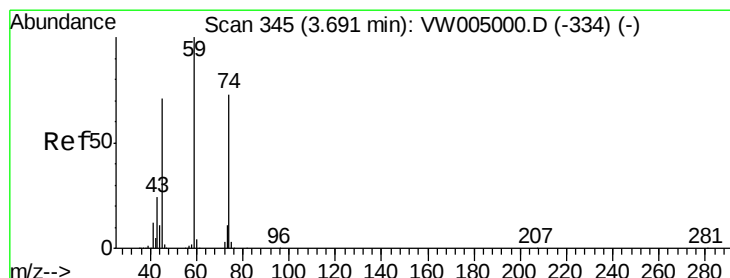
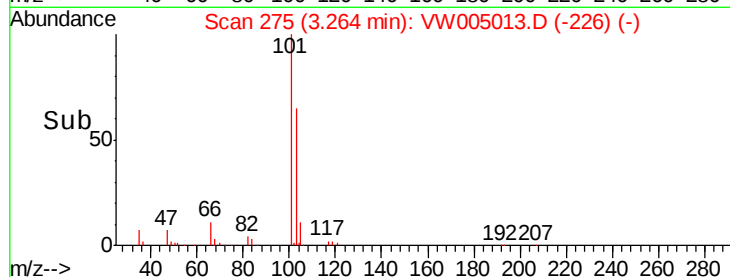
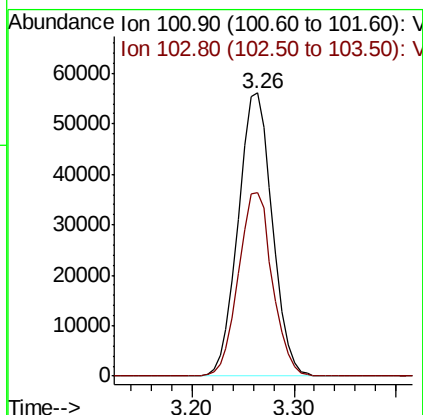
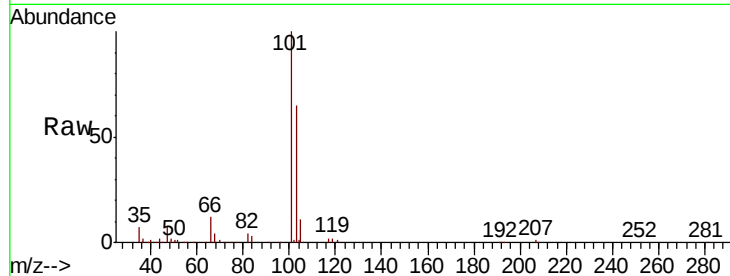


#7

Trichlorofluoromethane
 Concen: 19.40 ug/l
 RT: 3.26 min Scan# 275
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Instrument :
 MSVOA_W
 ClientSampleId :

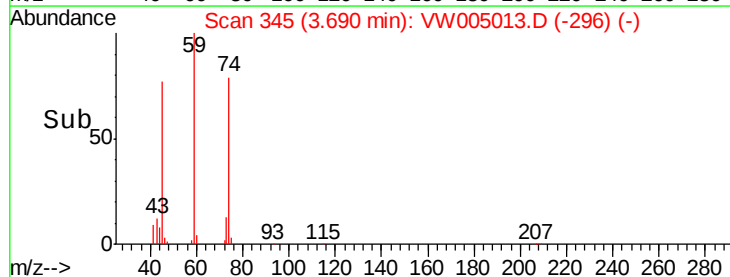
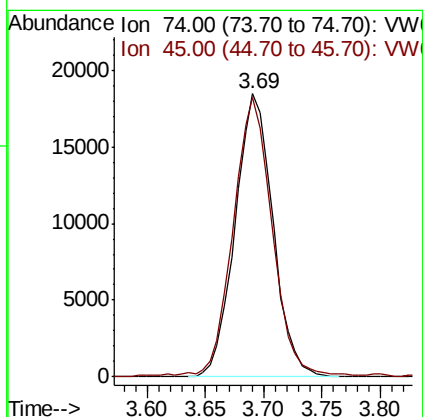
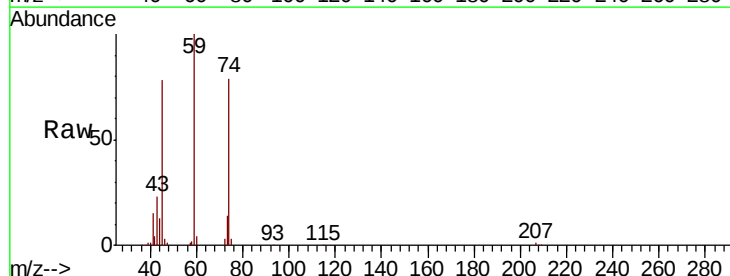
Tot Ion:101 Resp: 130478
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8

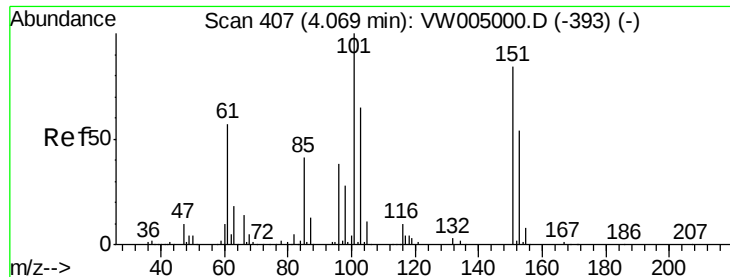


#8

Diethyl Ether
 Concen: 21.88 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion: 74 Resp: 41840
 Ion Ratio Lower Upper
 74 100
 45 103.0 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.30 ug/l

RT: 4.07 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

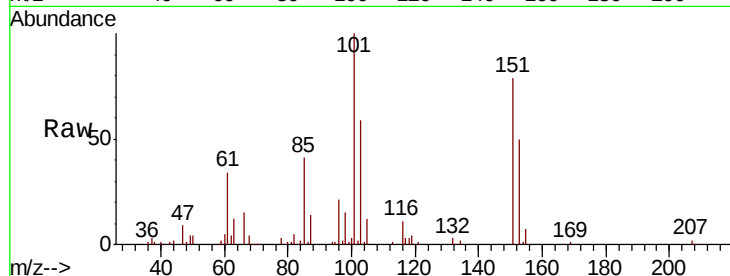
Tot Ion:101 Resp: 80120

Ion Ratio Lower Upper

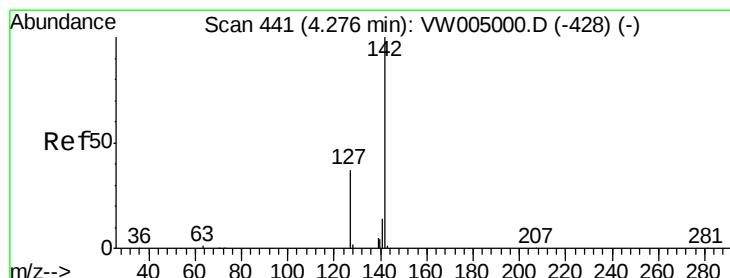
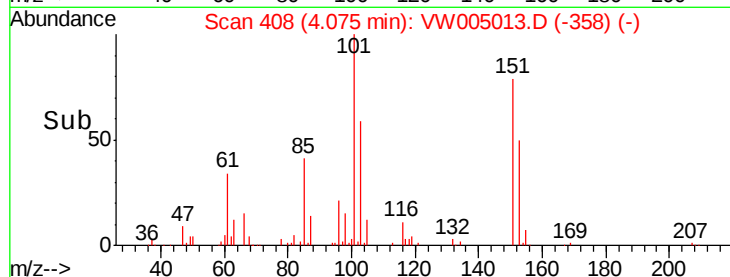
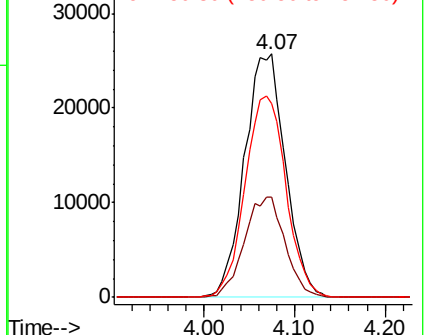
101 100

85 41.0 33.4 50.0

151 83.0 67.0 100.4



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: 15.40 ug/l

RT: 4.28 min Scan# 442

Delta R.T. 0.01 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

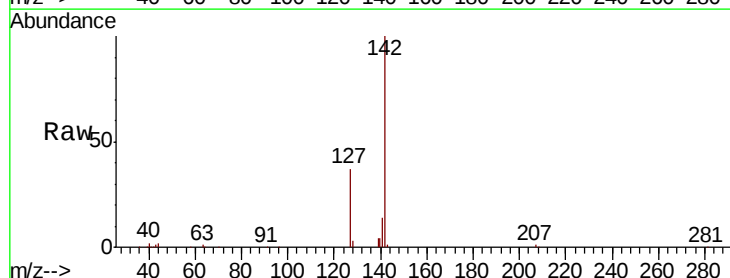
Tgt Ion:142 Resp: 85889

Ion Ratio Lower Upper

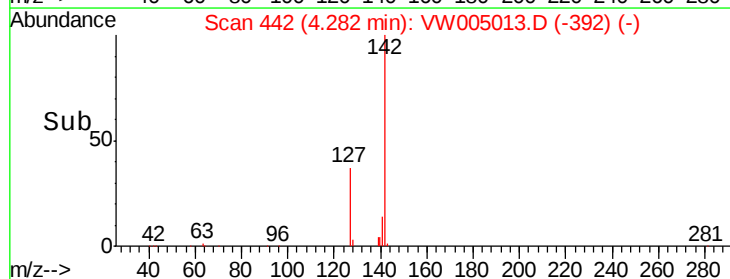
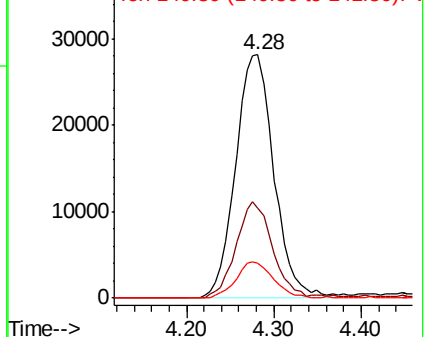
142 100

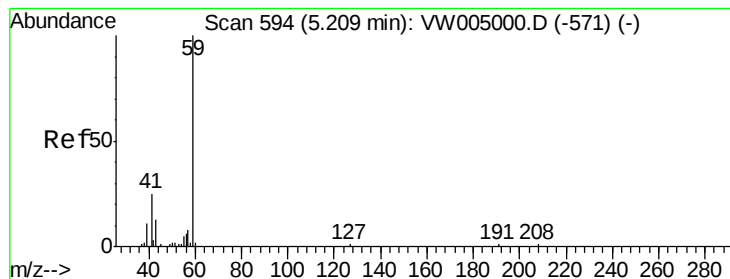
127 38.2 31.1 46.7

141 14.6 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



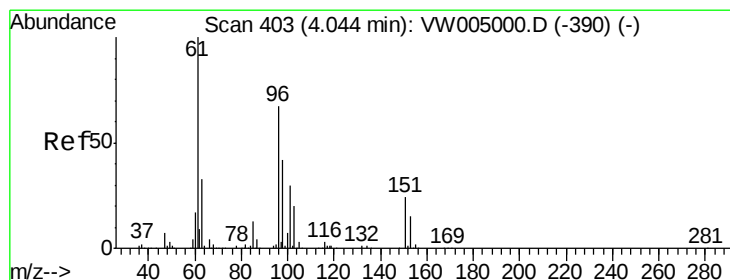
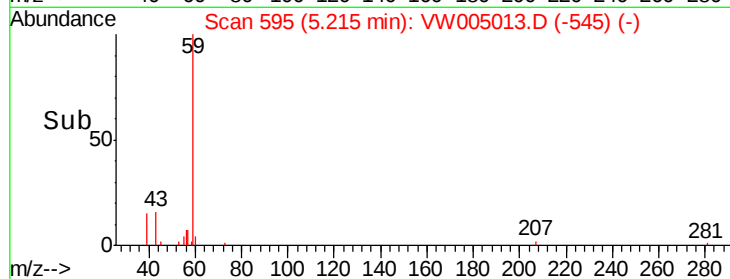
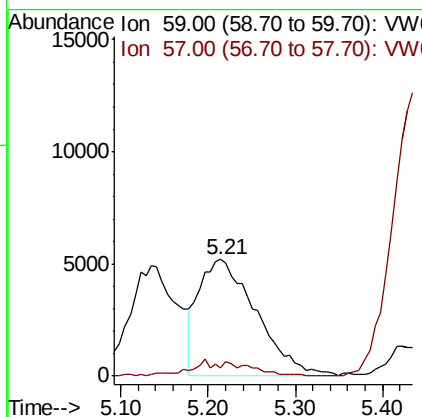
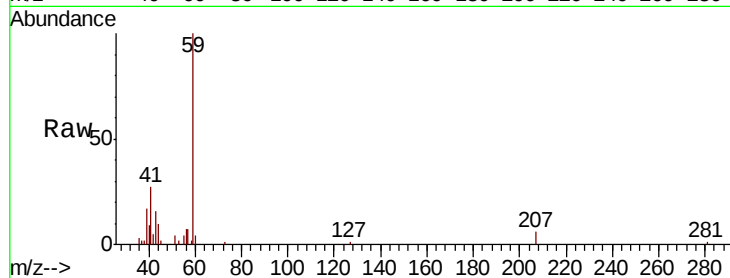


#11

Tert butyl alcohol
 Concen: 90.32 ug/l
 RT: 5.21 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Instrument :
 MSVOA_W
 ClientSampleId :

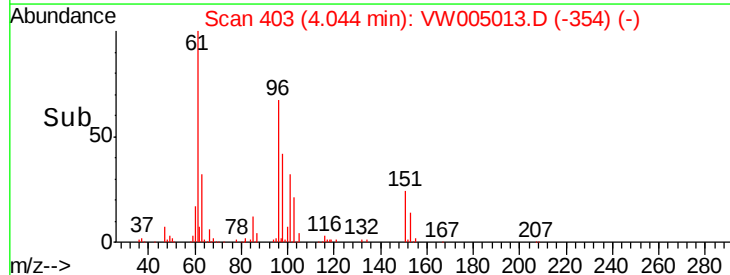
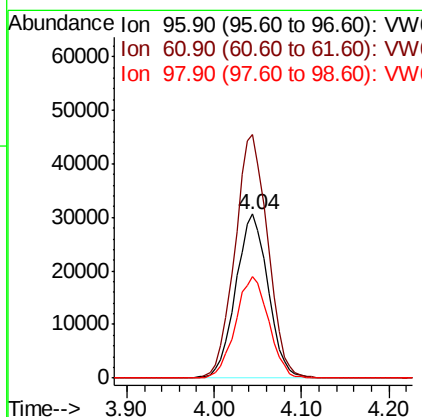
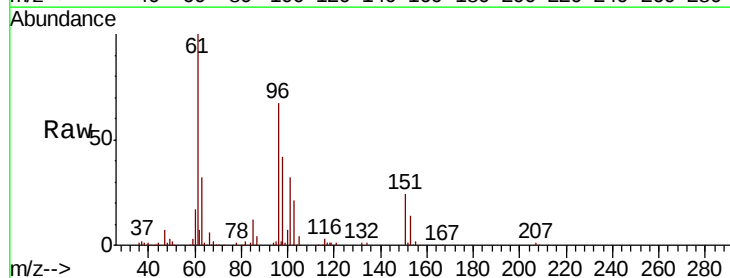
Tot Ion: 59 Resp: 23780
 Ion Ratio Lower Upper
 59 100
 57 6.5 8.1 12.1#

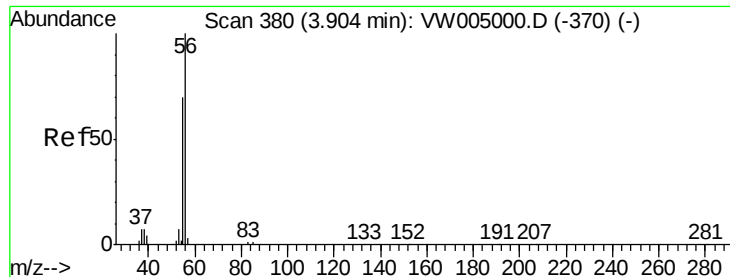


#12

1,1-Dichloroethene
 Concen: 20.38 ug/l
 RT: 4.04 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion: 96 Resp: 79062
 Ion Ratio Lower Upper
 96 100
 61 148.6 119.5 179.3
 98 62.3 50.4 75.6





#13

Acrolein

Concen: 69.13 ug/l

RT: 3.90 min Scan# 380

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

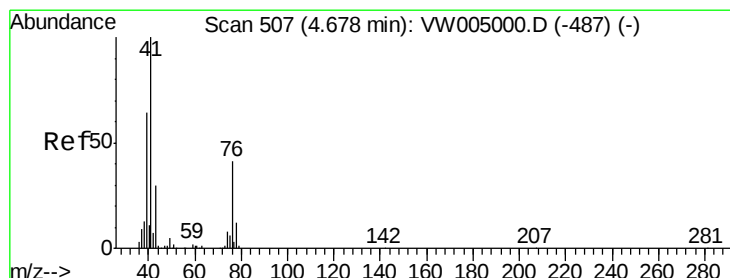
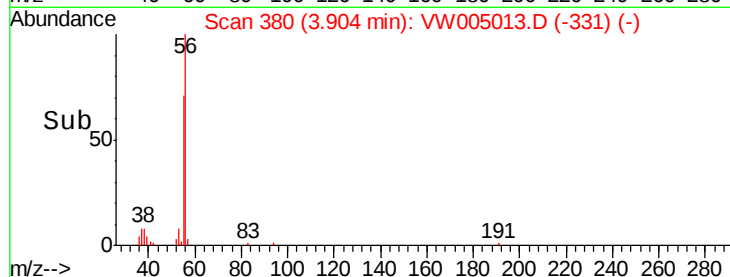
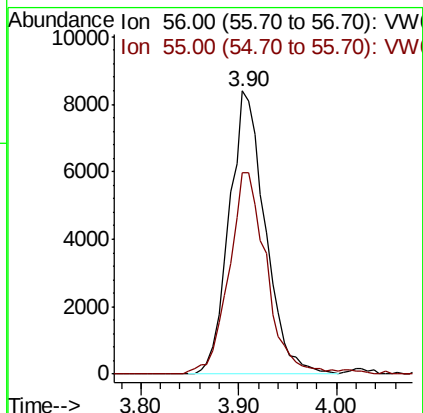
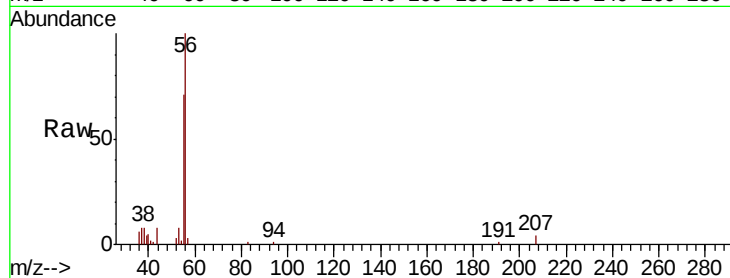
ClientSampleId :

Tot Ion: 56 Resp: 21418

Ion Ratio Lower Upper

56 100

55 73.8 56.4 84.6



#14

Allyl chloride

Concen: 20.69 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

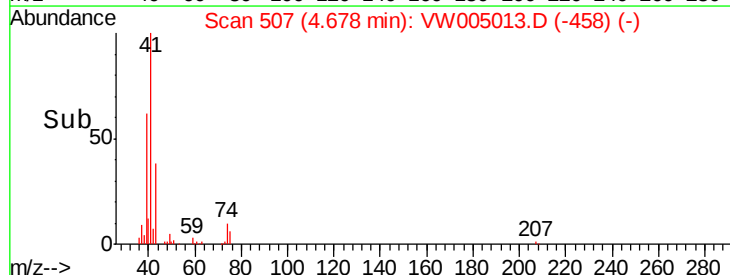
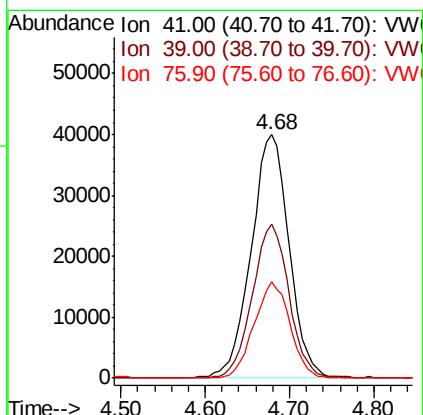
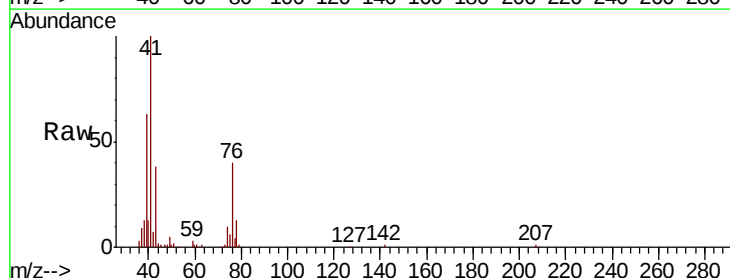
Tgt Ion: 41 Resp: 123586

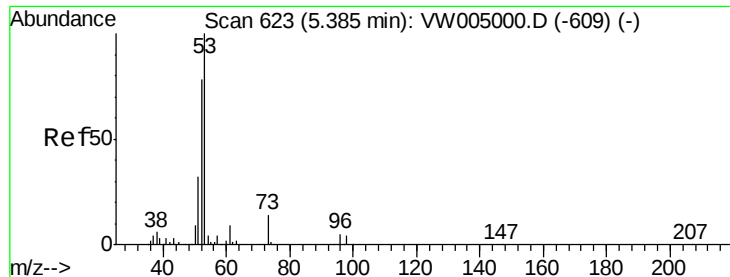
Ion Ratio Lower Upper

41 100

39 61.2 49.4 74.2

76 37.3 31.4 47.2





#15

Acrylonitrile

Concen: 102.13 ug/l

RT: 5.39 min Scan# 623

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

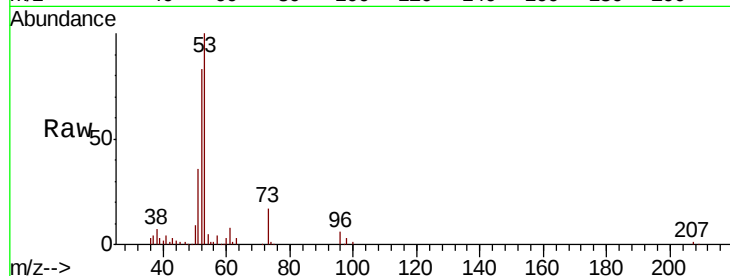
Tot Ion: 53 Resp: 99612

Ion Ratio Lower Upper

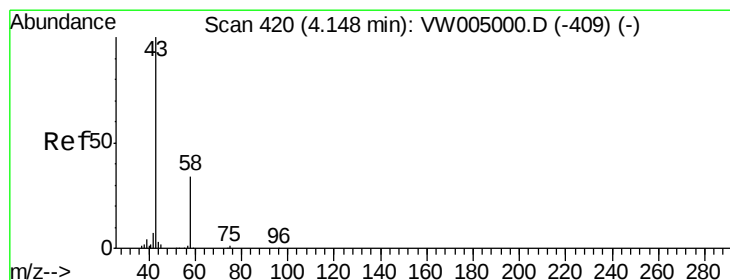
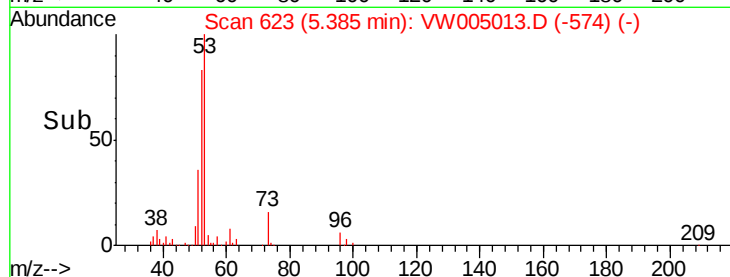
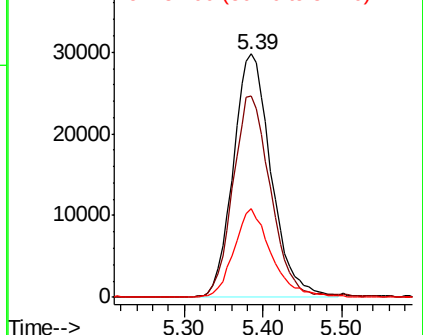
53 100

52 81.9 65.0 97.6

51 36.1 28.6 43.0



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: 100.08 ug/l

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW005013.D

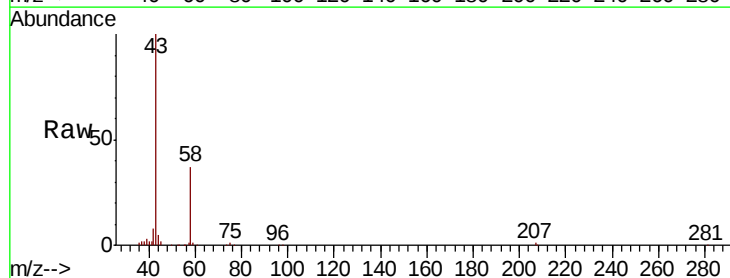
Acq: 30 Aug 2018 13:01

Tgt Ion: 43 Resp: 82009

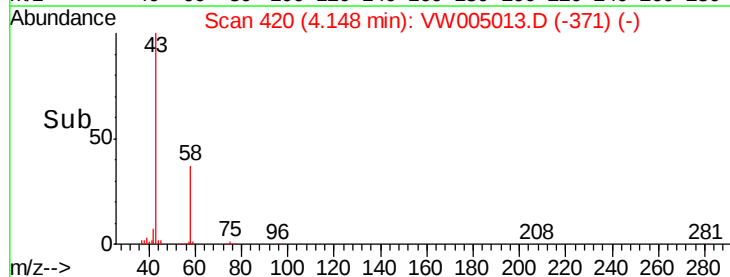
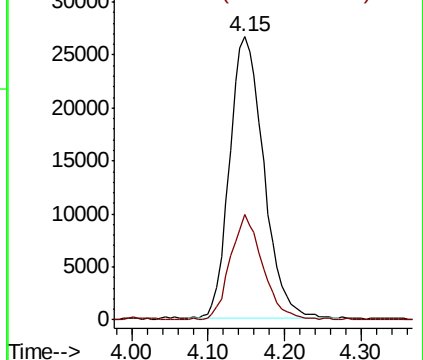
Ion Ratio Lower Upper

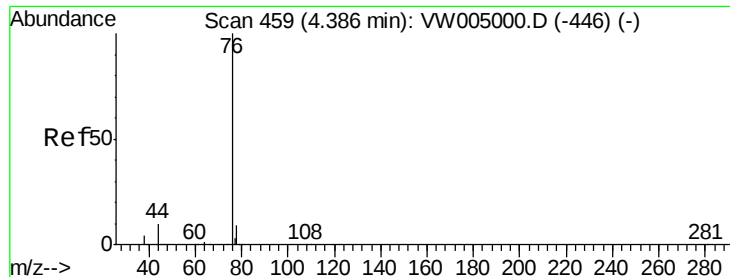
43 100

58 37.0 27.2 40.8



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

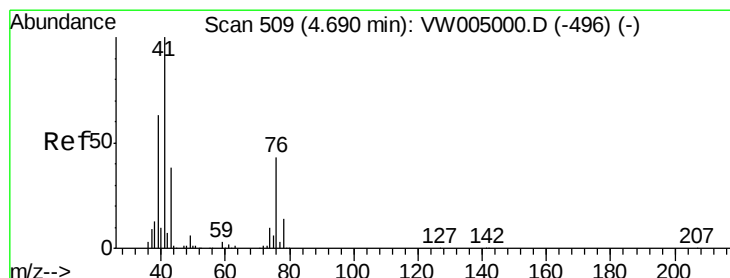
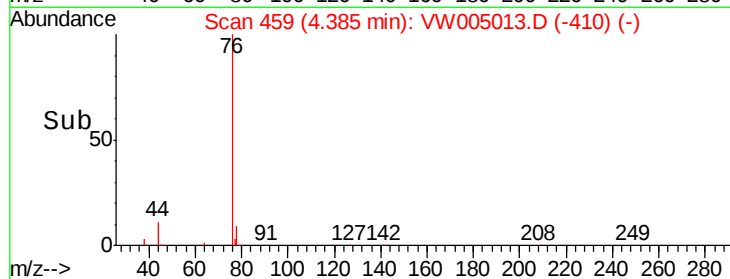
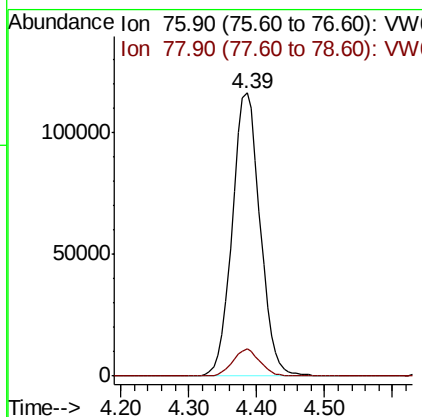
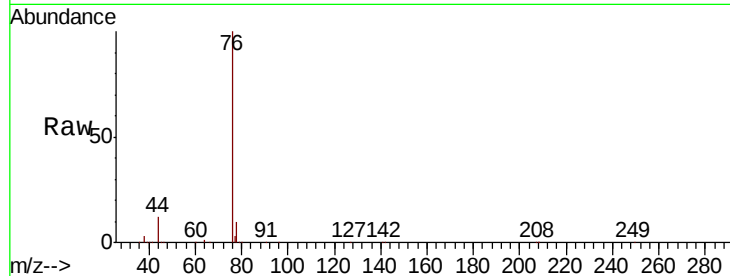




#17
Carbon Disulfide
Concen: 20.22 ug/l
RT: 4.39 min Scan# 459
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

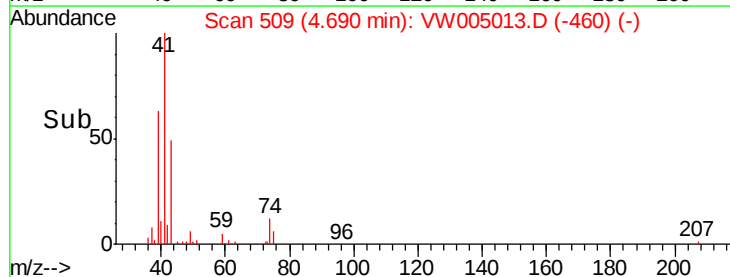
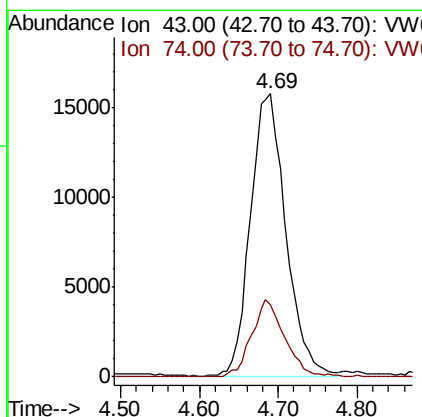
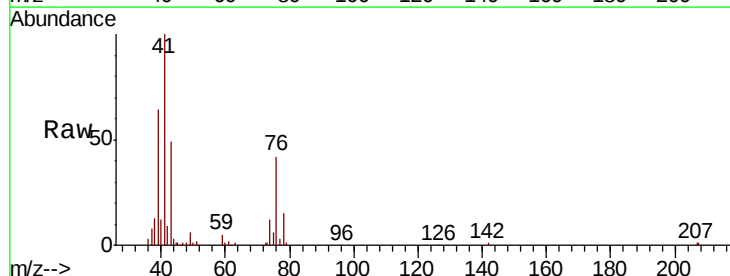
Instrument :
MSVOA_W
ClientSampled :

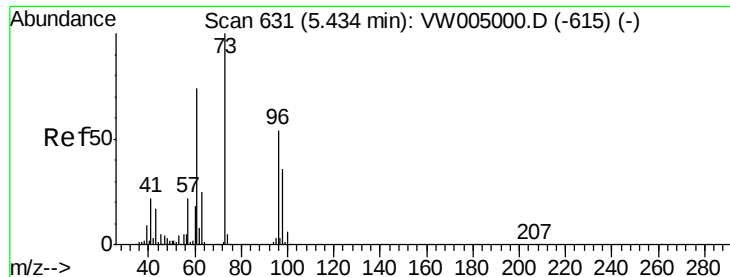
Tot Ion: 76 Resp: 329590
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#18
Methyl Acetate
Concen: 24.97 ug/l
RT: 4.69 min Scan# 509
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 43 Resp: 49569
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5

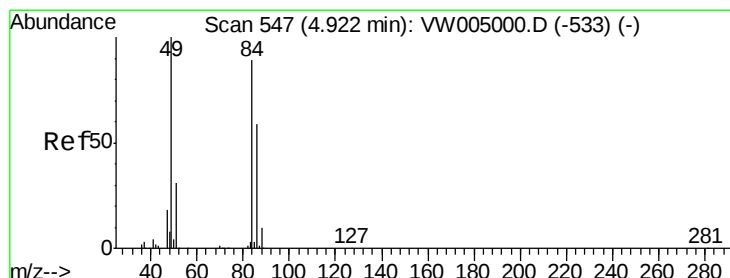
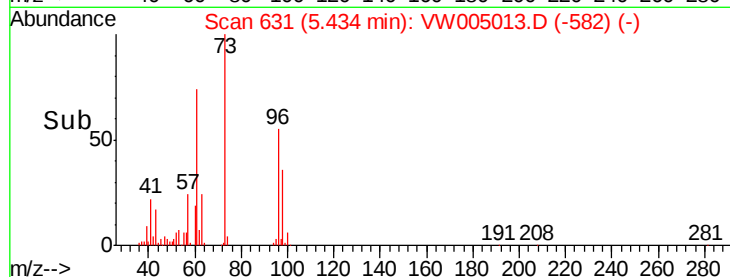
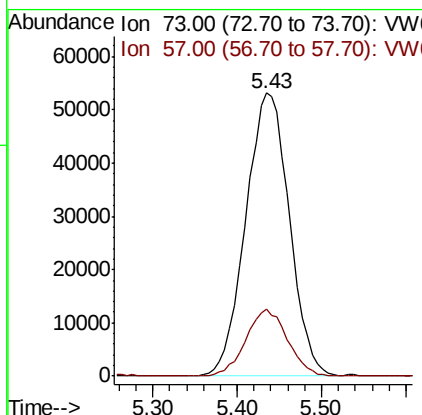
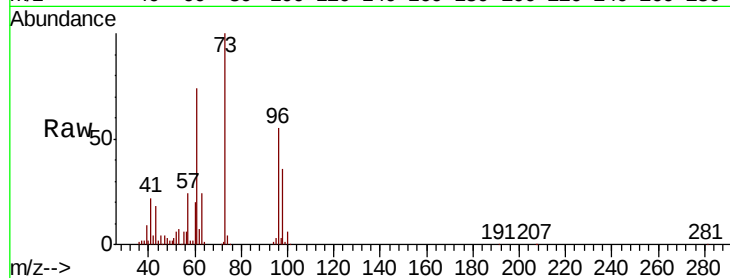




#19
Methvl tert-butvl Ether
Concen: 22.51 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

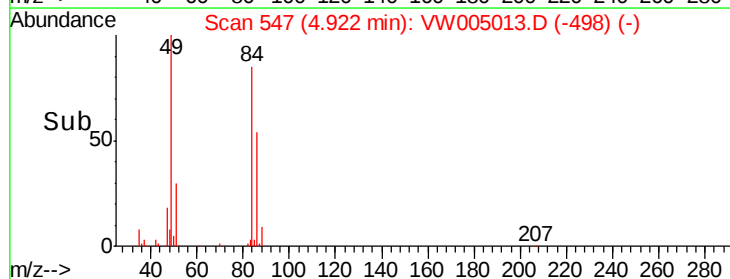
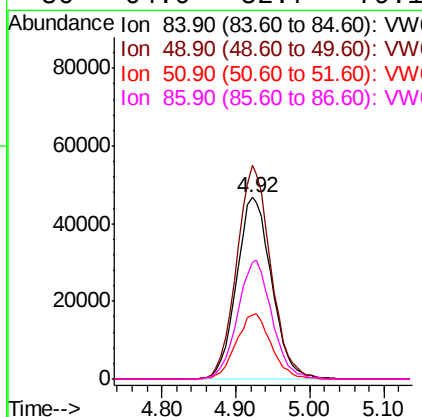
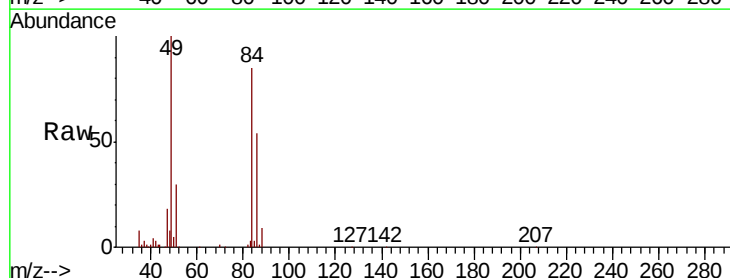
Instrument :
MSVOA_W
ClientSampleId :

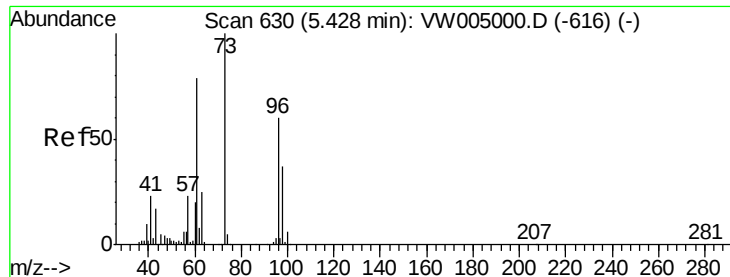
Tot Ion: 73 Resp: 187596
Ion Ratio Lower Upper
73 100
57 23.7 17.6 26.4



#20
Methylene Chloride
Concen: 24.18 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 84 Resp: 154051
Ion Ratio Lower Upper
84 100
49 117.7 89.7 134.5
51 35.2 27.5 41.3
86 64.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 21.18 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

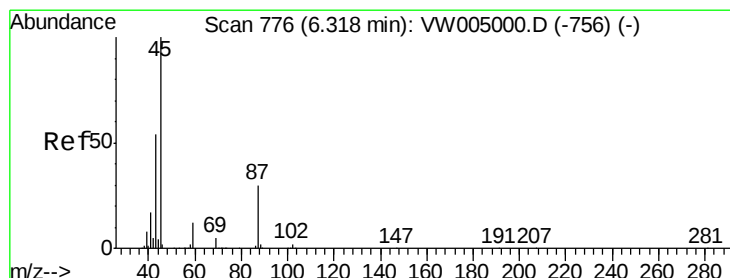
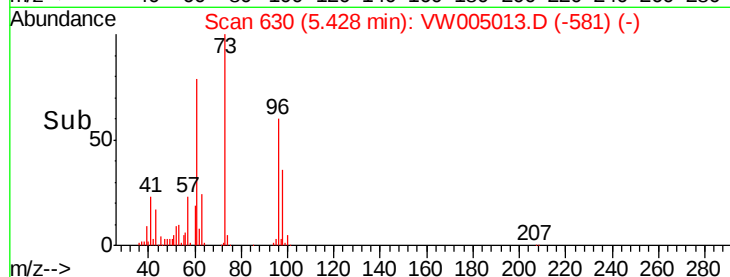
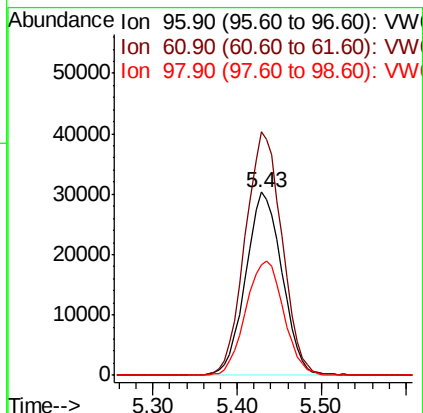
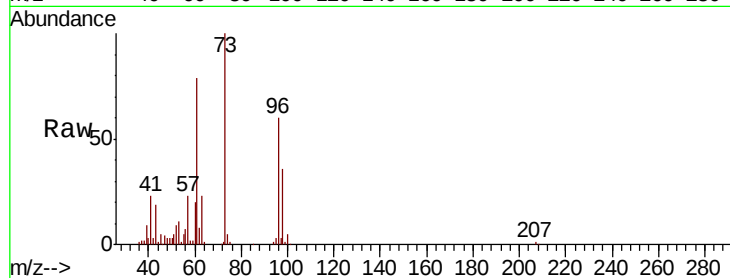
Tot Ion: 96 Resp: 89222

Ion Ratio Lower Upper

96 100

61 133.1 106.2 159.2

98 60.1 49.5 74.3



#22

Diisopropyl ether

Concen: 22.20 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Tgt Ion: 45 Resp: 270681

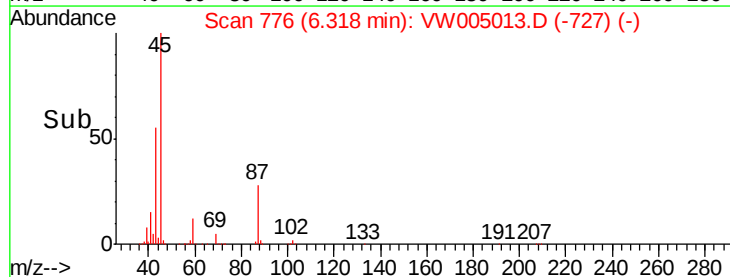
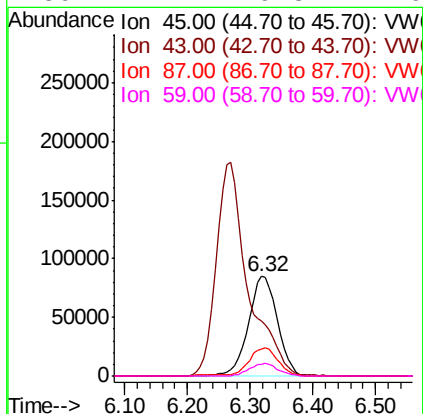
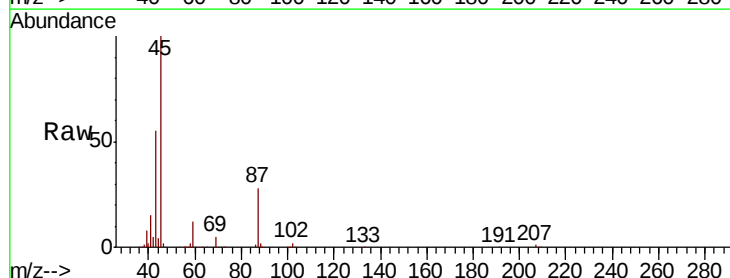
Ion Ratio Lower Upper

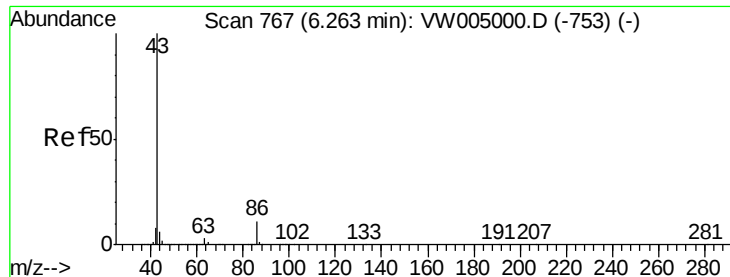
45 100

43 54.8 43.5 65.3

87 27.6 23.8 35.8

59 12.1 9.8 14.6





#23

Vinyl Acetate

Concen: 102.17 ug/l

RT: 6.27 min Scan# 768

Delta R.T. 0.01 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

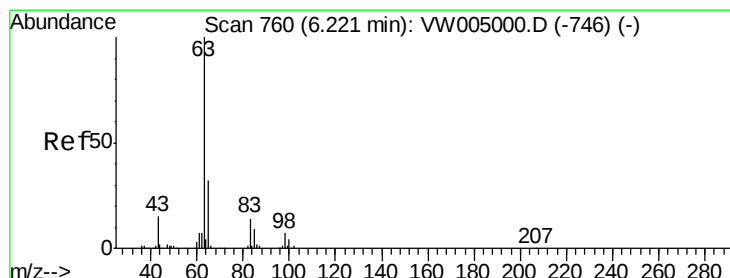
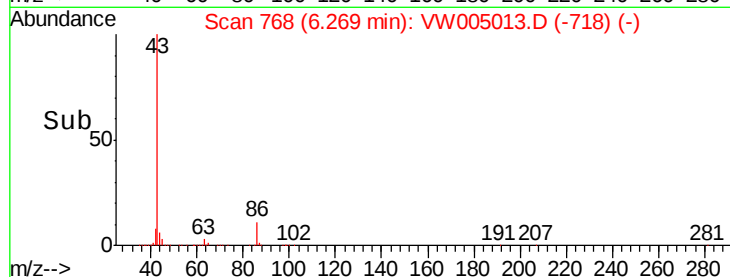
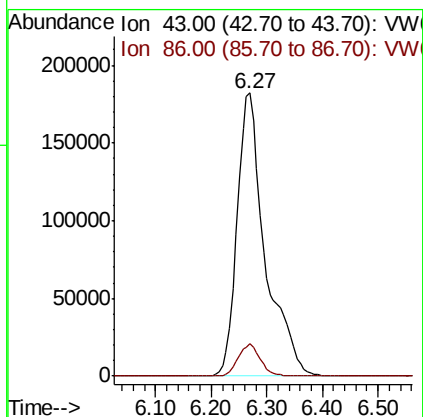
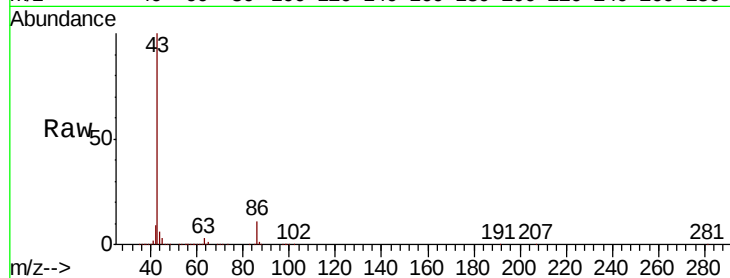
ClientSampled :

Tot Ion: 43 Resp: 636881

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6



#24

1,1-Dichloroethane

Concen: 21.43 ug/l

RT: 6.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

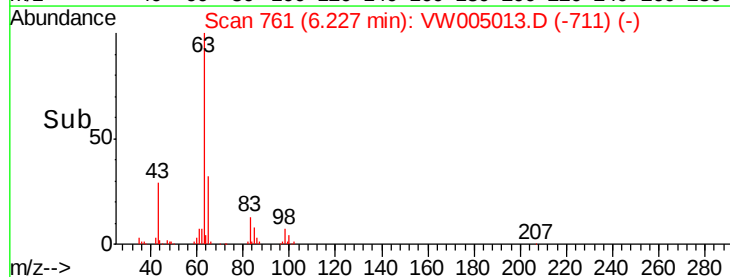
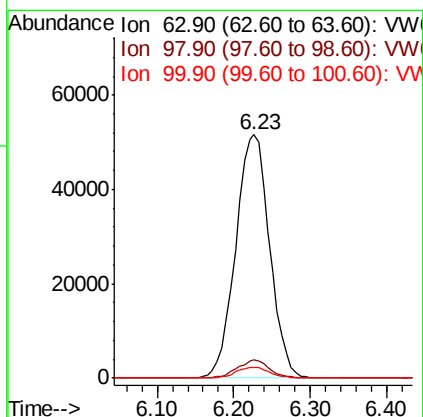
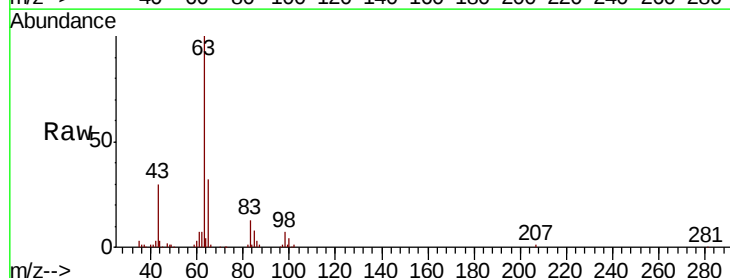
Tgt Ion: 63 Resp: 158127

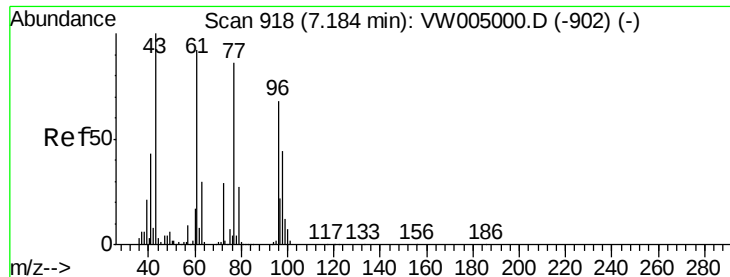
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 107.28 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

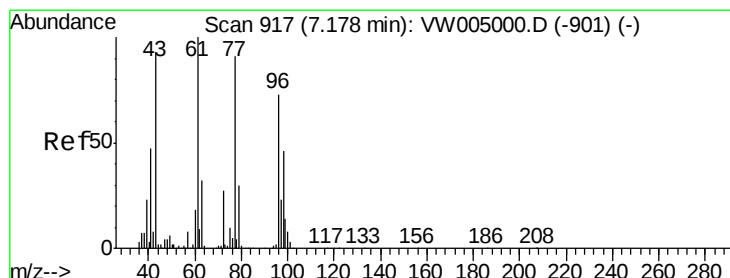
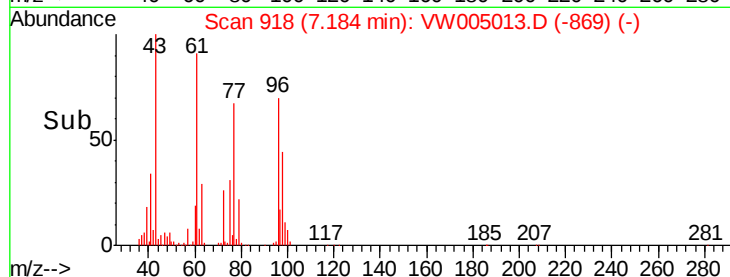
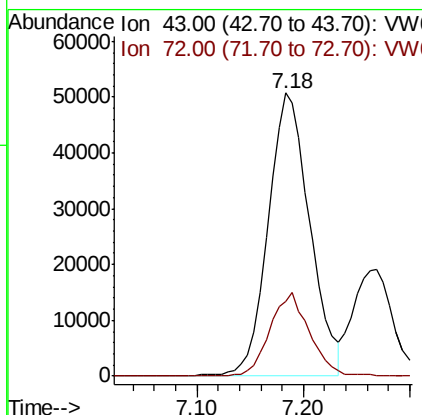
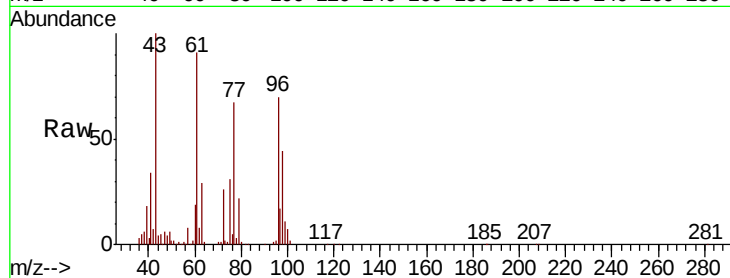
ClientSampled :

Tot Ion: 43 Resp: 137083

Ion Ratio Lower Upper

43 100

72 26.3 23.4 35.2



#26

2,2-Dichloropropane

Concen: 17.05 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW005013.D

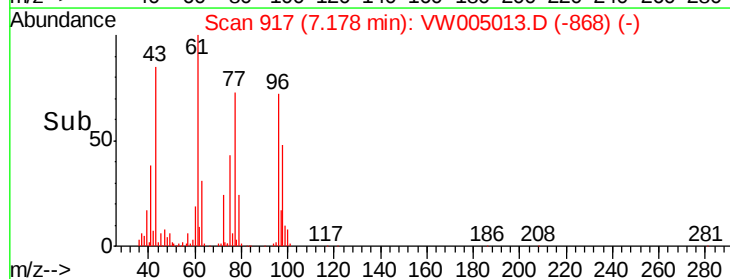
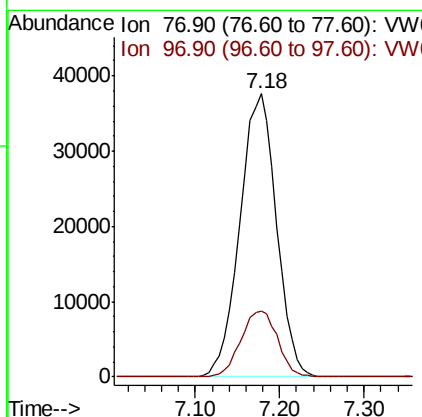
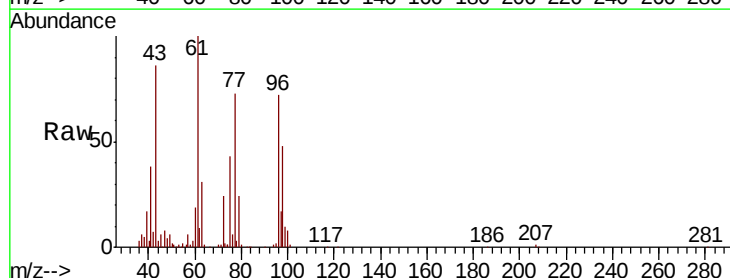
Acq: 30 Aug 2018 13:01

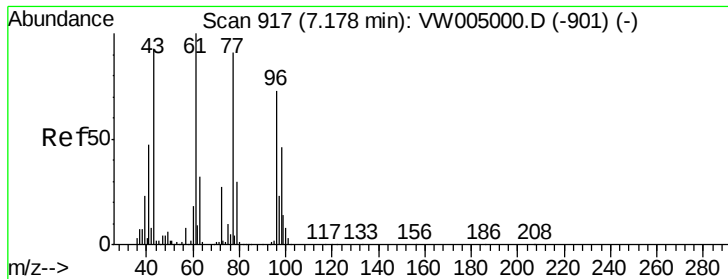
Tgt Ion: 77 Resp: 110391

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.4



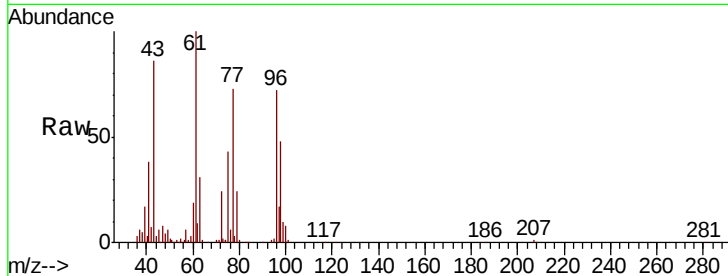


#27

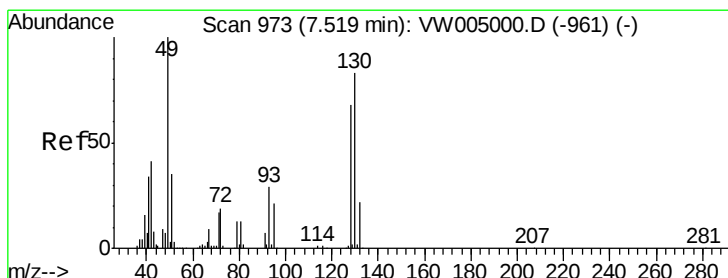
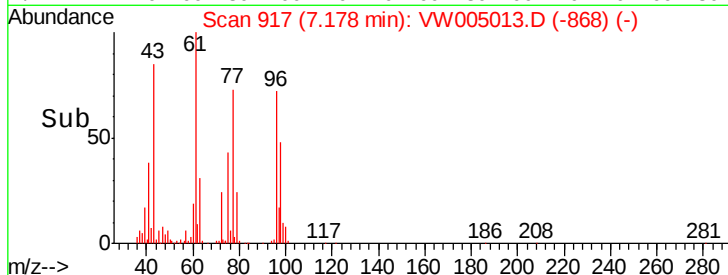
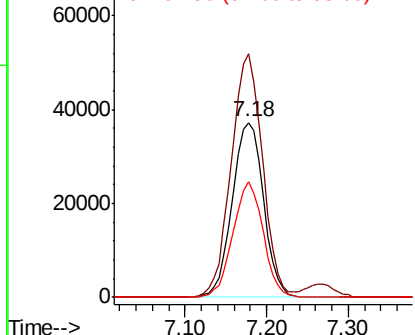
cis-1,2-Dichloroethene
Concen: 21.54 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	98689
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	281.6
98	63.9	0.0	129.0



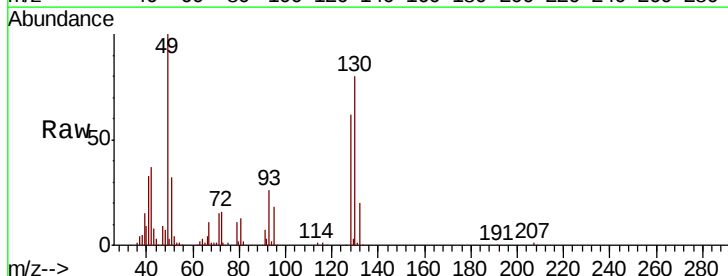
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



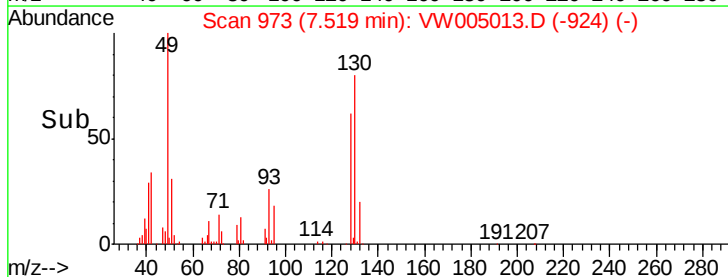
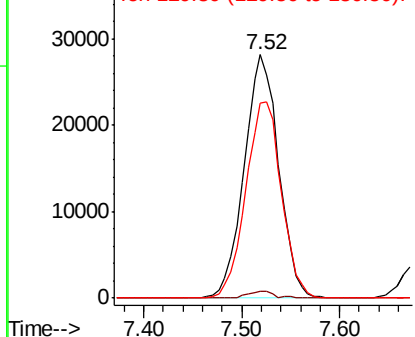
#28

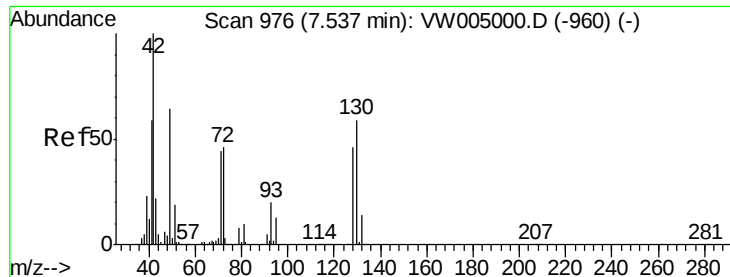
Bromochloromethane
Concen: 21.17 ug/l
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion	49	Resp	68685
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.1	68.2	102.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

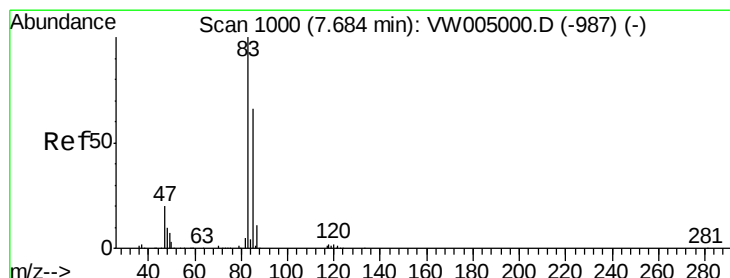
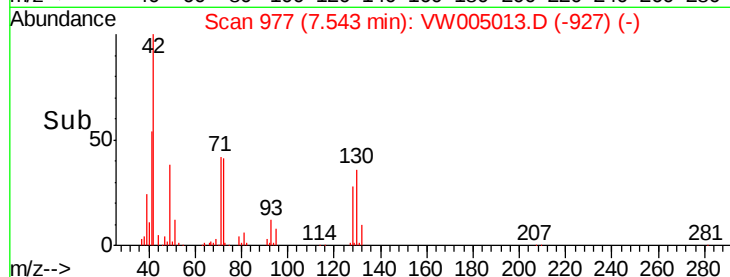
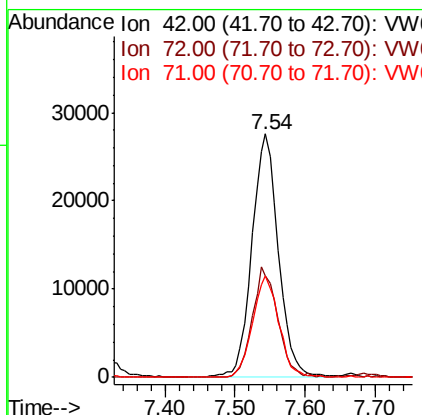
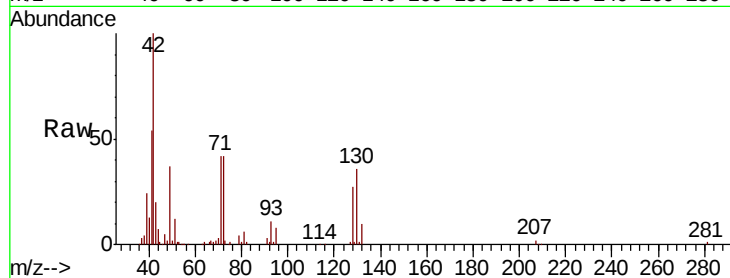




#29
Tetrahydrofuran
Concen: 112.96 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

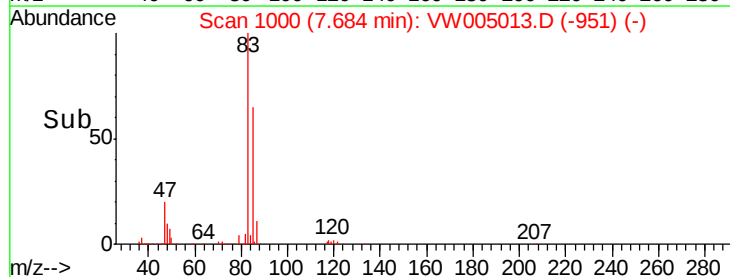
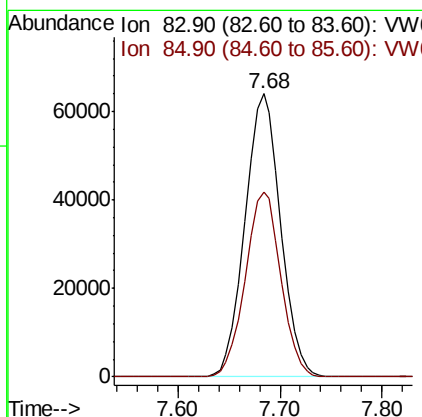
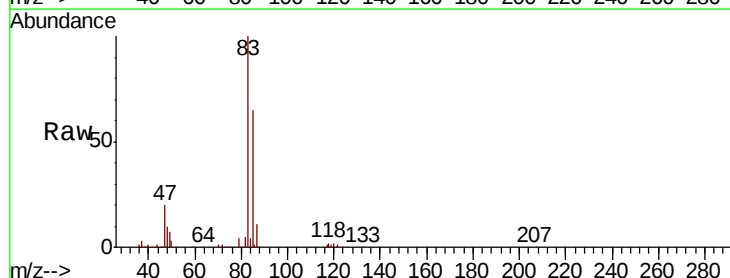
Instrument :
MSVOA_W
ClientSampleId :

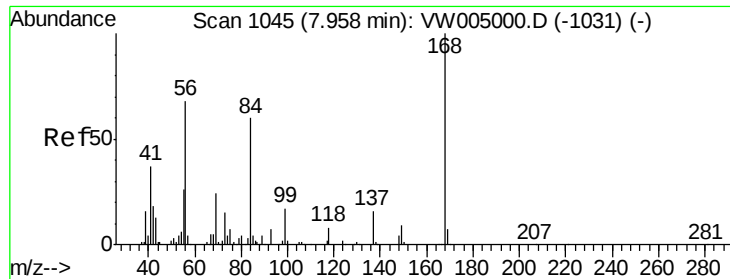
Tot Ion: 42 Resp: 72913
Ion Ratio Lower Upper
42 100
72 43.4 36.6 55.0
71 41.1 35.4 53.2



#30
Chloroform
Concen: 21.40 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 83 Resp: 155316
Ion Ratio Lower Upper
83 100
85 65.1 52.6 78.8

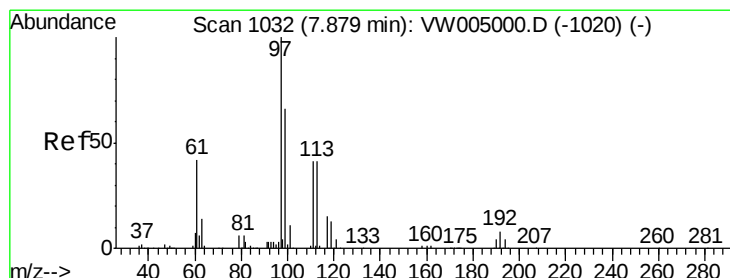
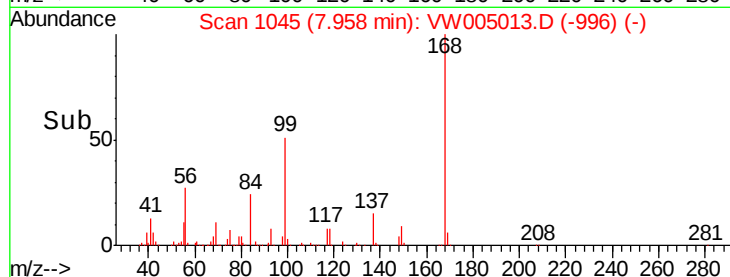
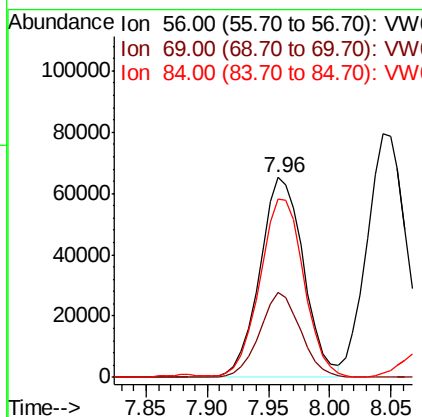
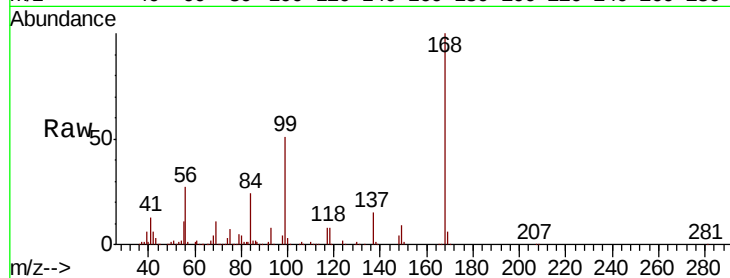




#31
Cyclohexane
Concen: 20.79 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

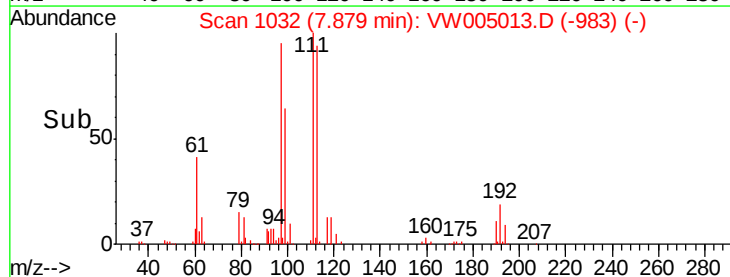
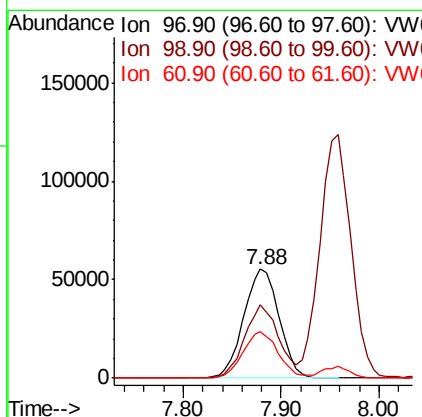
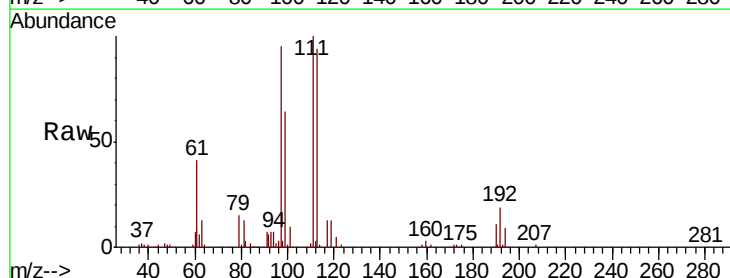
Instrument :
MSVOA_W
ClientSampleId :

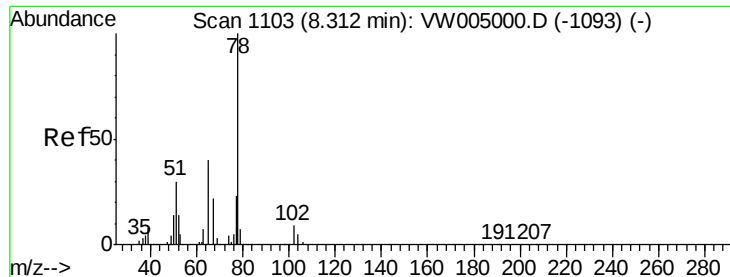
Tot Ion: 56 Resp: 162571
Ion Ratio Lower Upper
56 100
69 42.3 27.9 41.9#
84 88.1 70.5 105.7



#32
1,1,1-Trichloroethane
Concen: 20.82 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 97 Resp: 139032
Ion Ratio Lower Upper
97 100
99 65.1 52.3 78.5
61 42.5 33.2 49.8

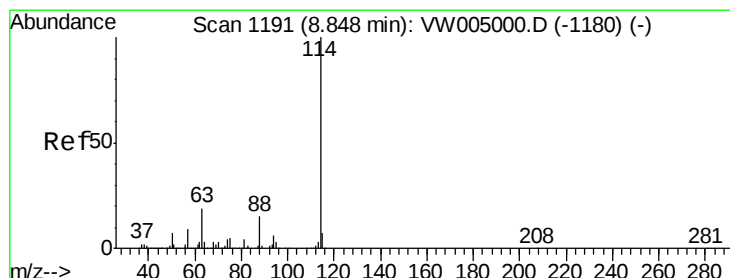
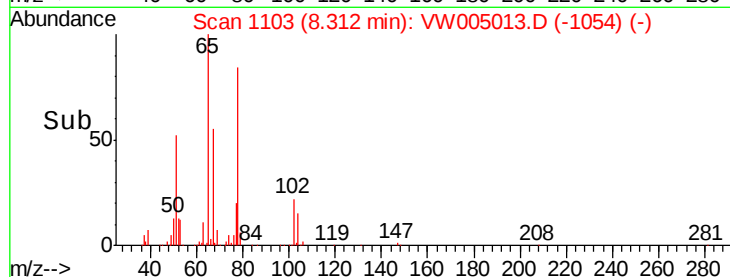
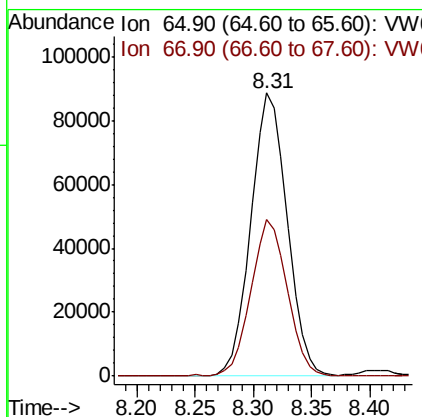
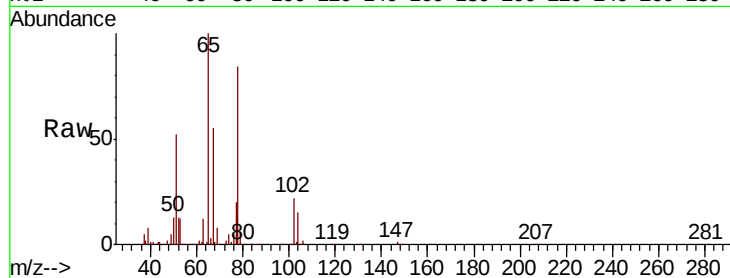




#33
 1,2-Dichloroethane-d4
 Concen: 52.81 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

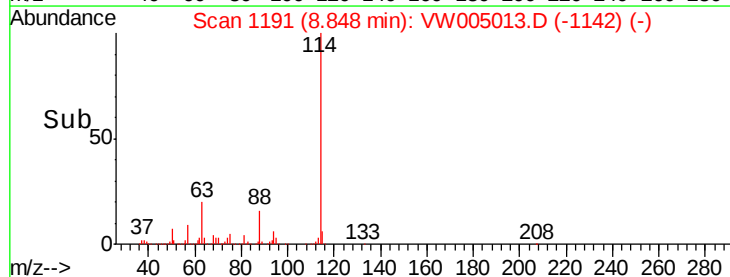
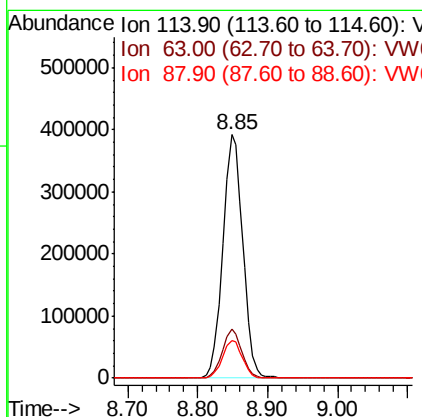
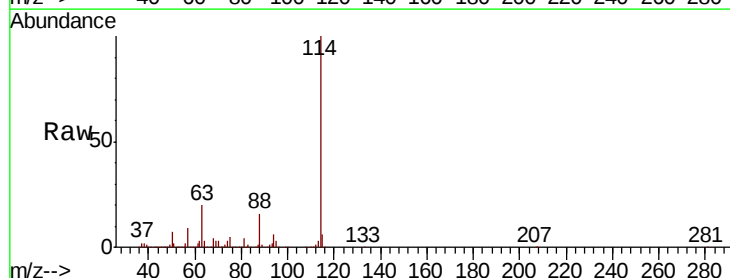
Instrument :
 MSVOA_W
 ClientSampleId :

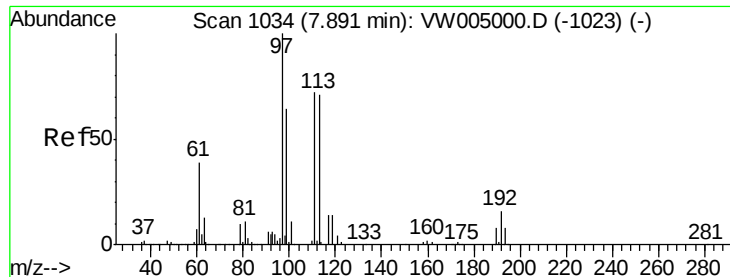
Tot Ion: 65 Resp: 191896
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion: 114 Resp: 774314
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.4
 88 15.6 0.0 30.6

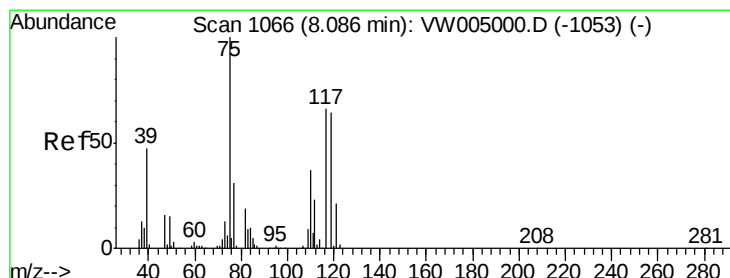
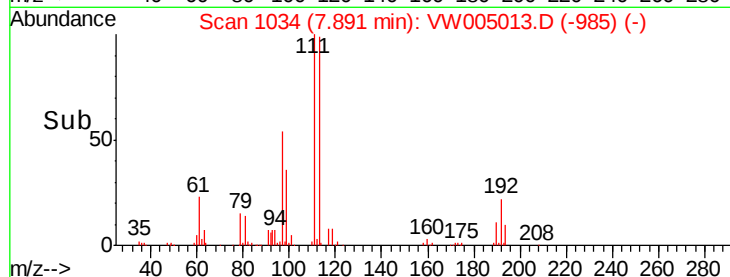
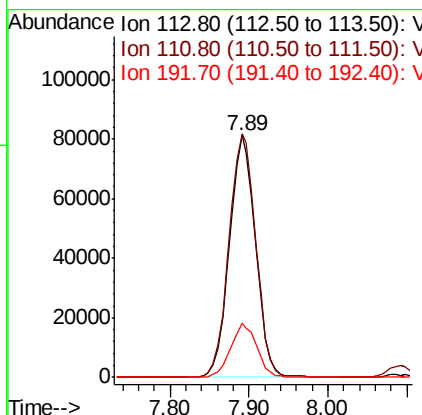
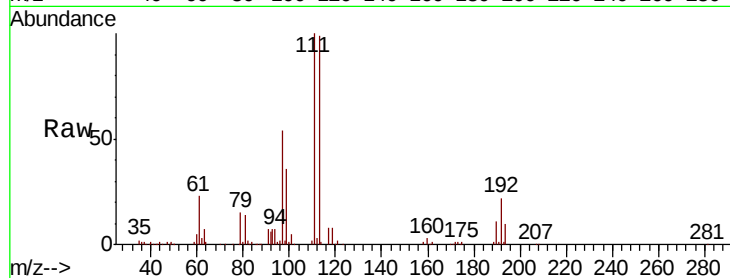




#35
 Dibromofluoromethane
 Concen: 48.64 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

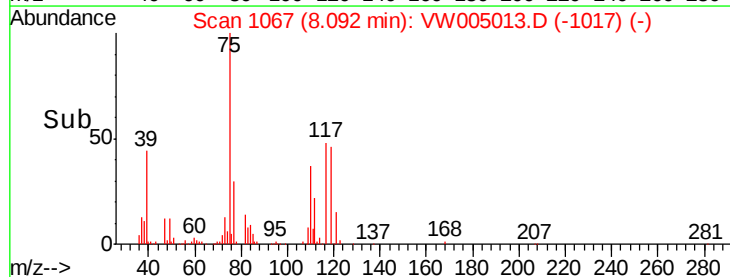
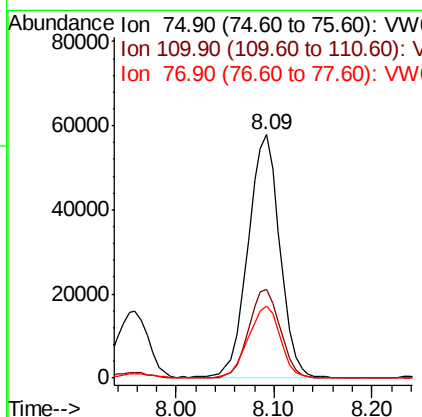
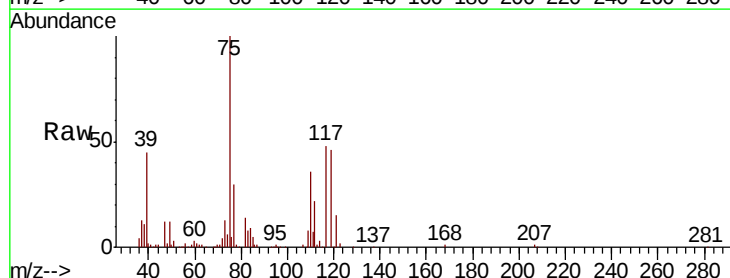
Instrument :
 MSVOA_W
 ClientSampled :

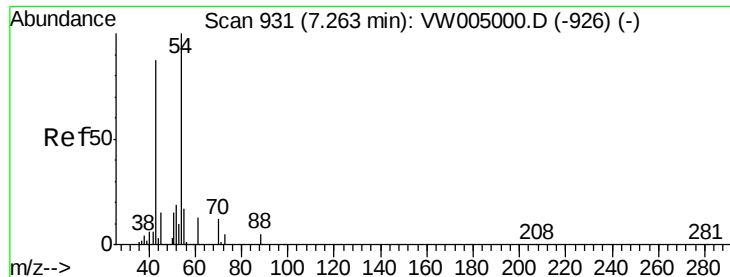
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.3	121.9
192	22.1	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 19.95 ug/l
 RT: 8.09 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.7	56.1
77	29.7	24.9	37.3

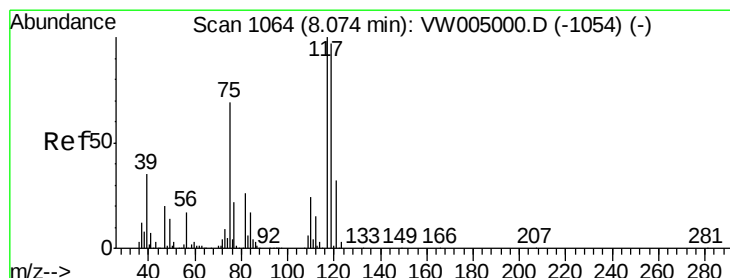
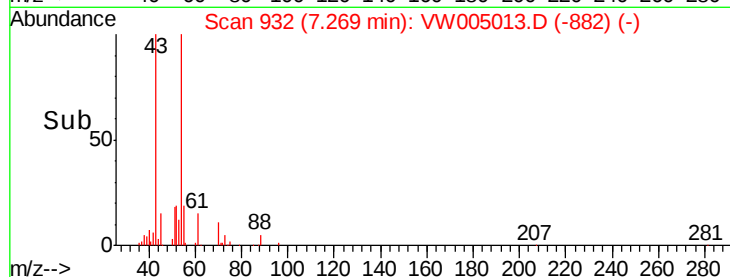
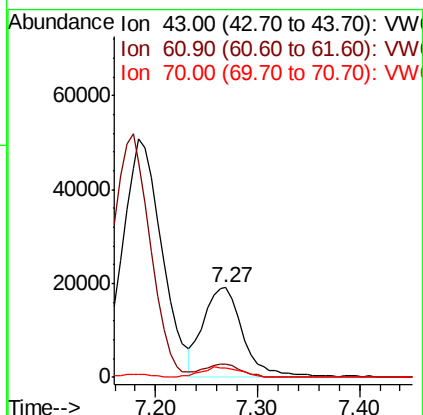
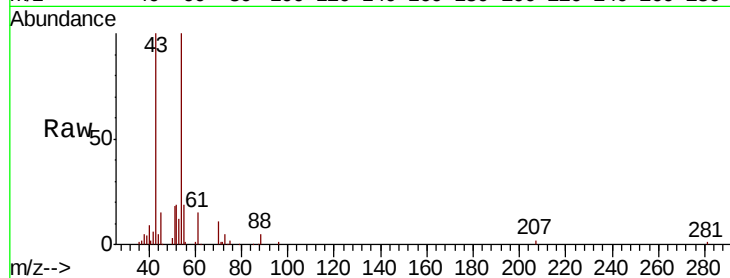




#37
Ethyl Acetate
Concen: 21.58 ug/l
RT: 7.27 min Scan# 932
Delta R.T. 0.01 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

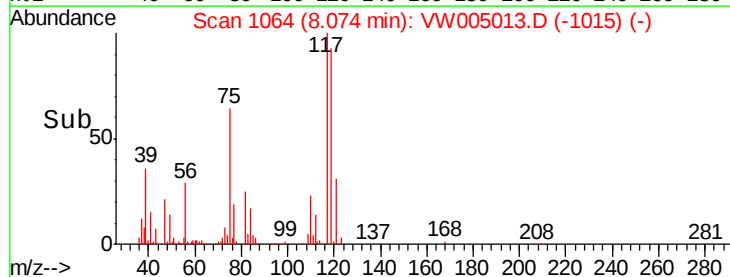
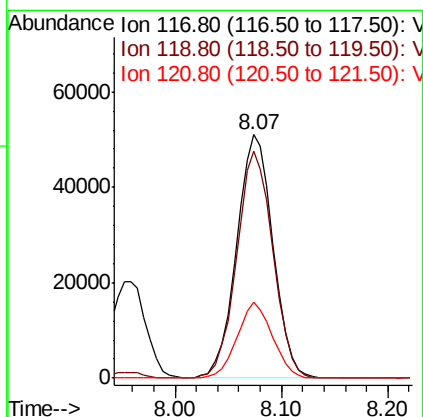
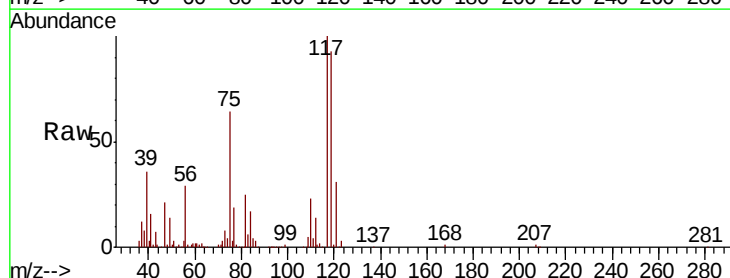
Instrument :
MSVOA_W
ClientSampleId :

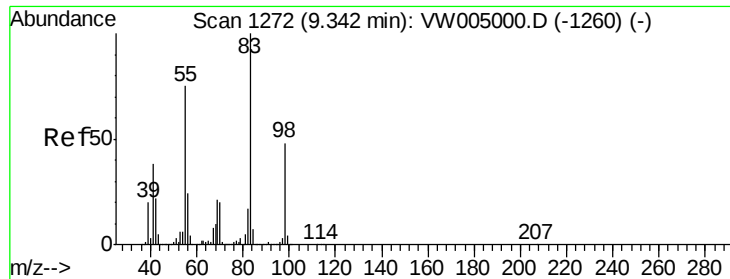
Tot Ion: 43 Resp: 51028
Ion Ratio Lower Upper
43 100
61 14.4 12.3 18.5
70 11.6 9.7 14.5



#38
Carbon Tetrachloride
Concen: 19.24 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 117 Resp: 122181
Ion Ratio Lower Upper
117 100
119 93.0 77.8 116.8
121 31.0 25.2 37.8

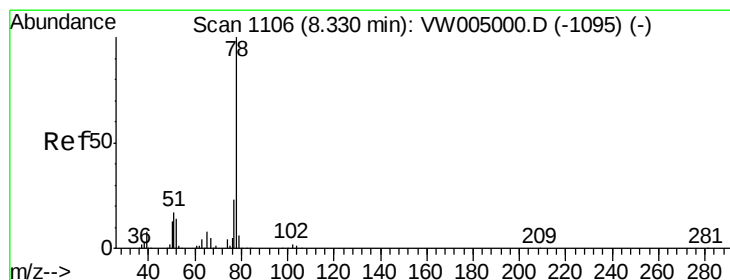
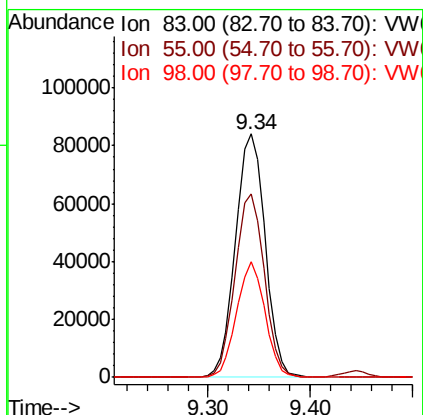
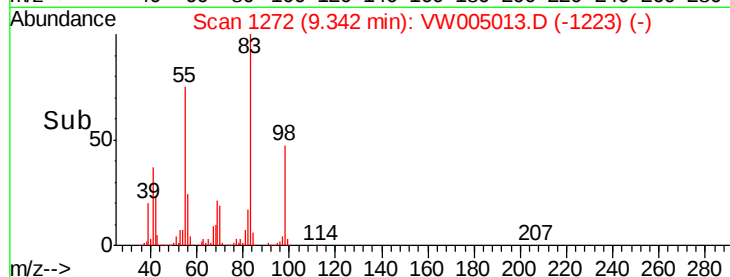
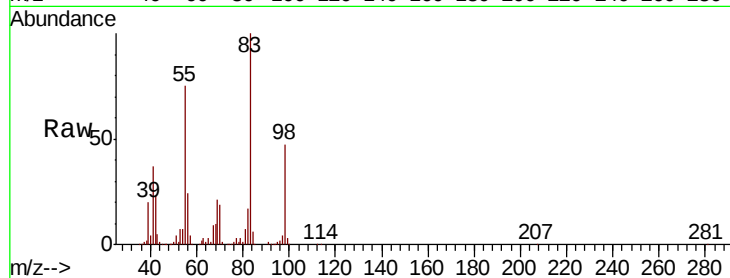




#39
Methylvlcvclohexane
Concen: 18.81 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

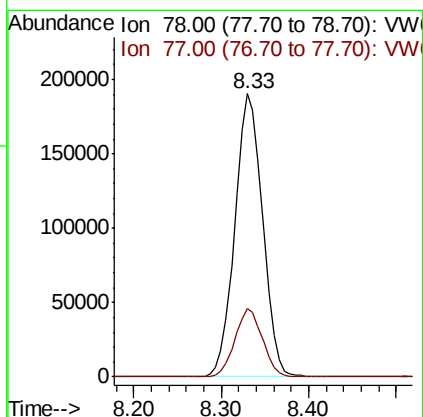
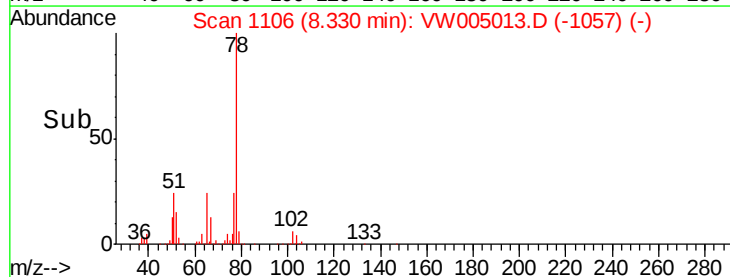
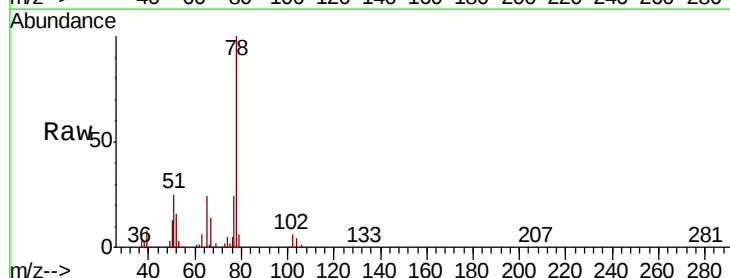
Instrument :
MSVOA_W
ClientSampled :

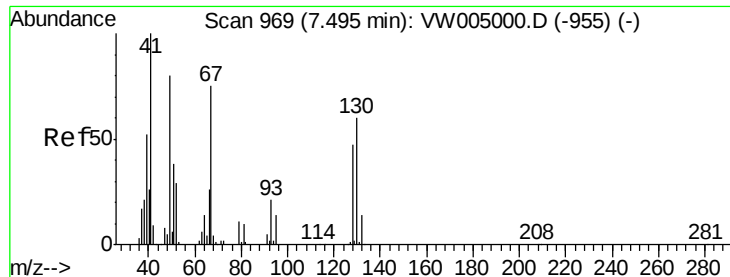
Tot Ion: 83 Resp: 170106
Ion Ratio Lower Upper
83 100
55 75.1 60.2 90.2
98 47.3 38.6 57.8



#40
Benzene
Concen: 20.01 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 78 Resp: 420272
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

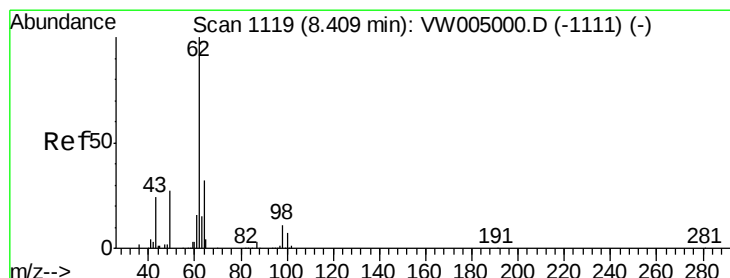
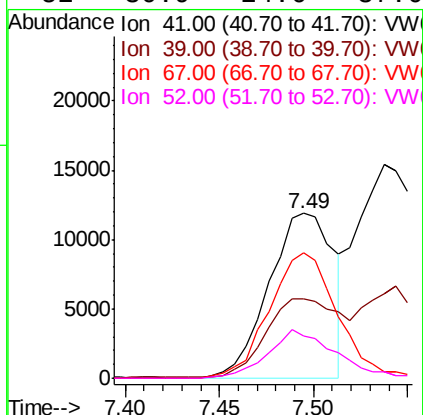
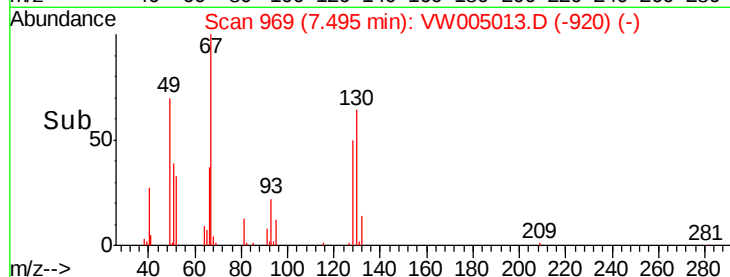
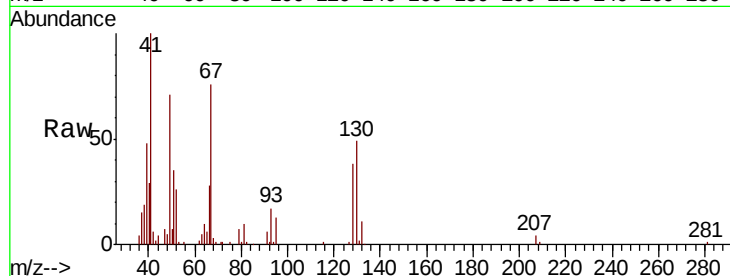




#41
Methacrylonitrile
Concen: 20.68 ug/l
RT: 7.49 min Scan# 969
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

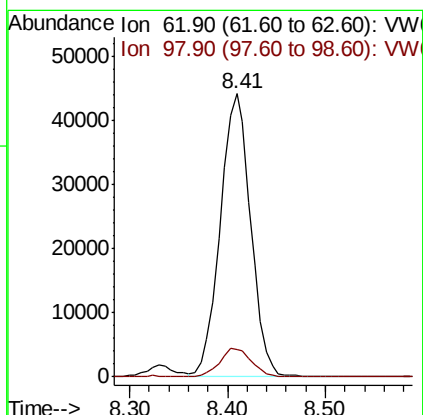
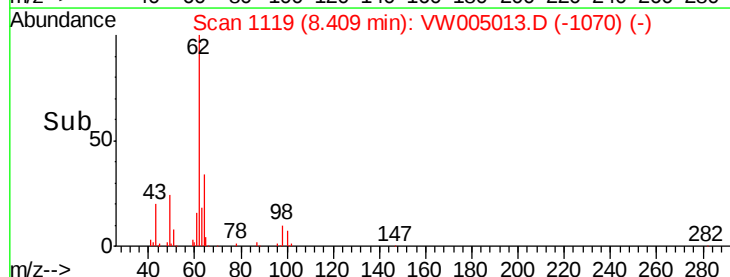
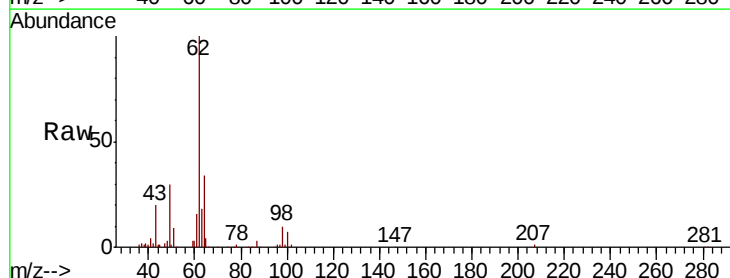
Instrument :
MSVOA_W
ClientSampled :

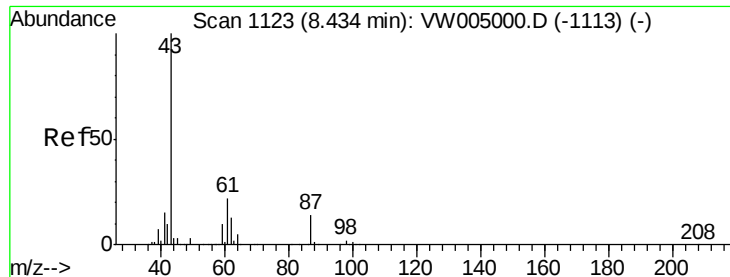
Tot Ion:	41	Resp:	28495
Ion	Ratio	Lower	Upper
41	100		
39	55.6	42.0	63.0
67	80.2	63.4	95.2
52	30.9	24.6	37.0



#42
1,2-Dichloroethane
Concen: 20.32 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion:	62	Resp:	94972
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.8





#43

Isopropyl Acetate

Concen: 19.94 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

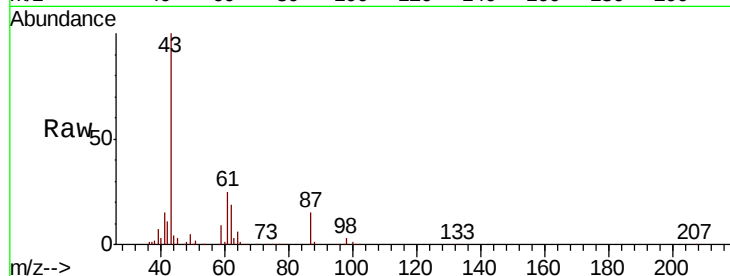
Tot Ion: 43 Resp: 93816

Ion Ratio Lower Upper

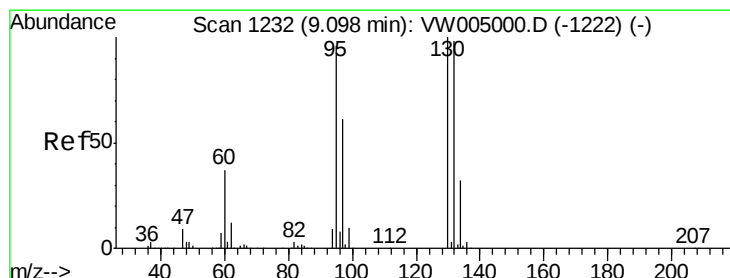
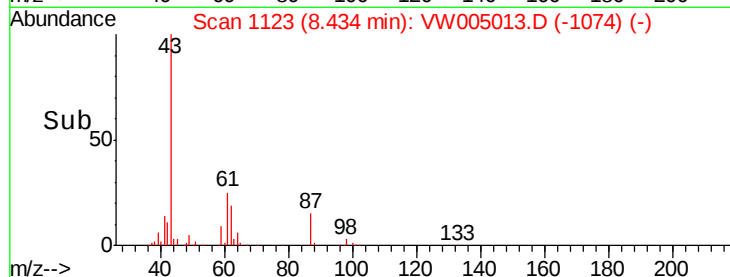
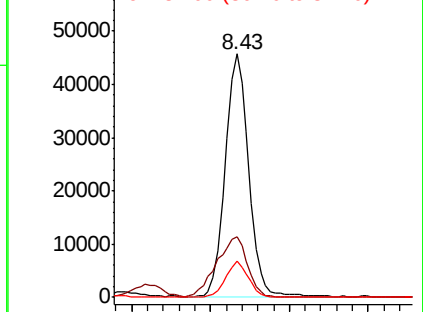
43 100

61 33.4 26.2 39.4

87 14.5 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.68 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW005013.D

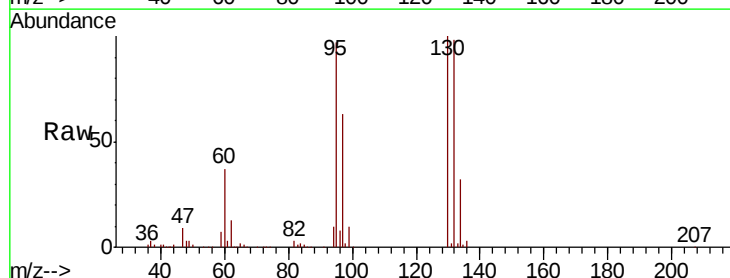
Acq: 30 Aug 2018 13:01

Tgt Ion: 130 Resp: 105565

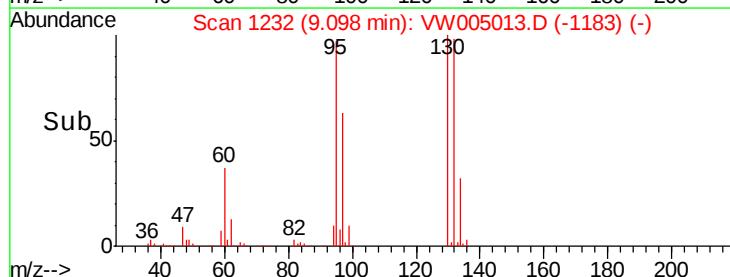
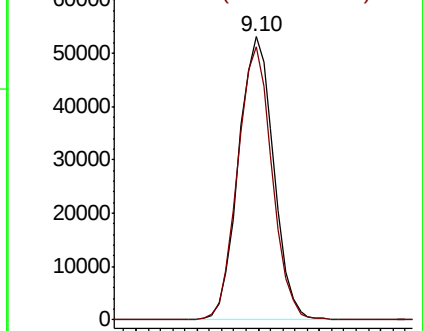
Ion Ratio Lower Upper

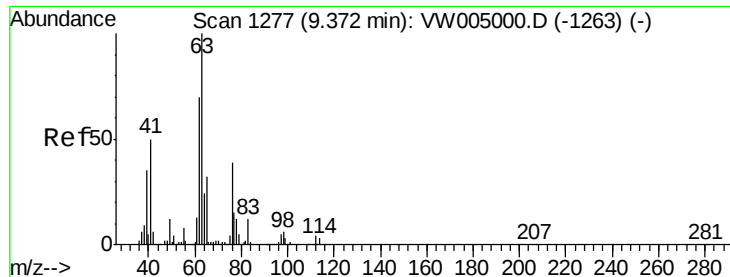
130 100

95 96.5 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

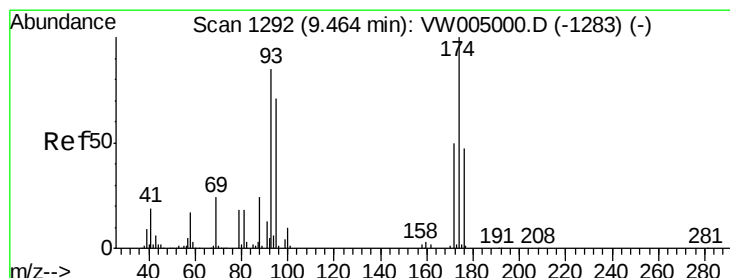
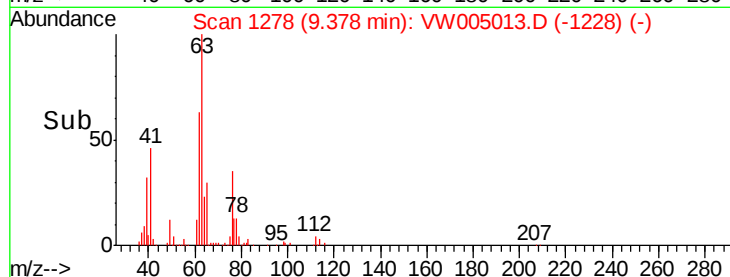
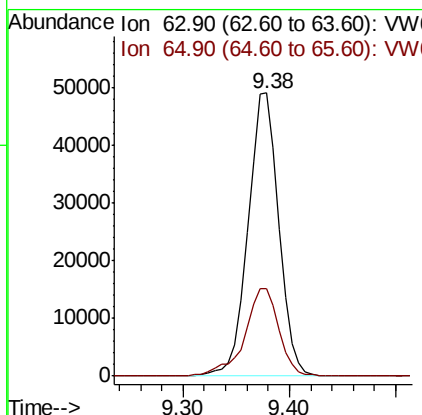
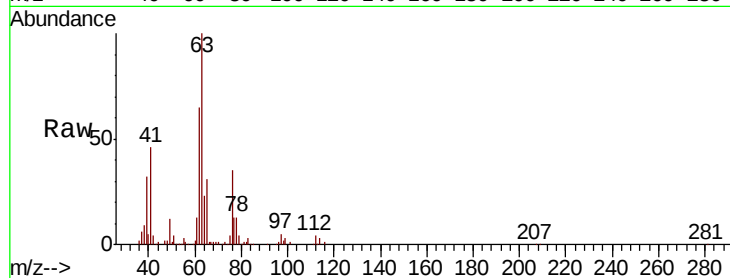




#45
 1,2-Dichloropropane
 Concen: 20.65 ug/l
 RT: 9.38 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

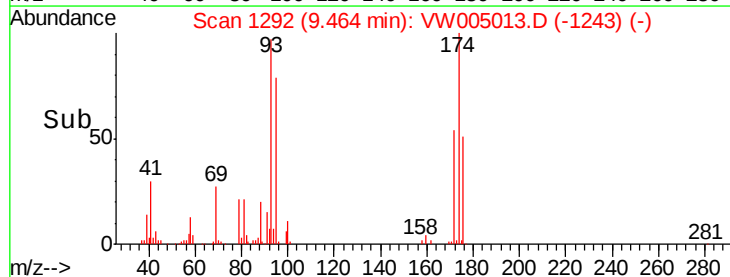
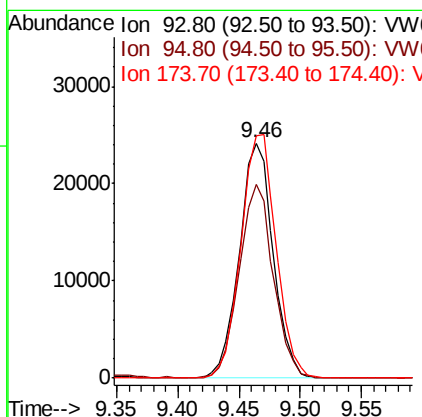
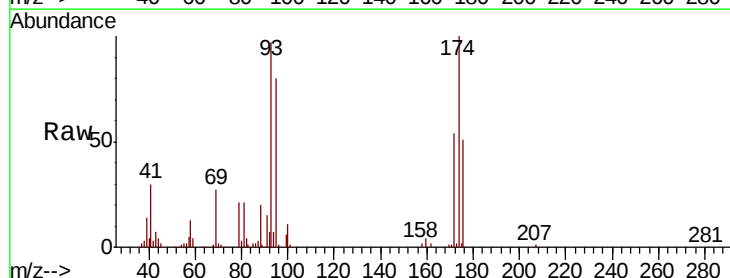
Instrument :
 MSVOA_W
 ClientSampled :

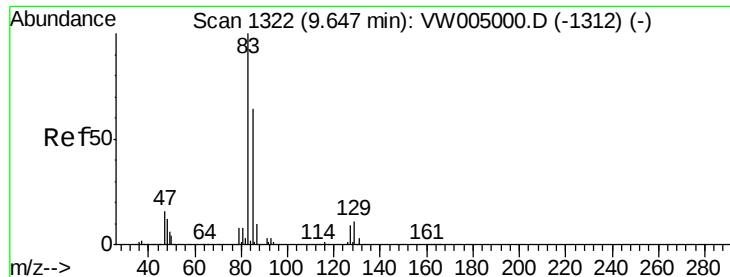
Tot Ion: 63 Resp: 99204
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.3 37.9



#46
 Dibromomethane
 Concen: 20.41 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion: 93 Resp: 46417
 Ion Ratio Lower Upper
 93 100
 95 83.2 68.0 102.0
 174 108.3 91.4 137.0





#47

Bromodichloromethane

Concen: 20.68 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

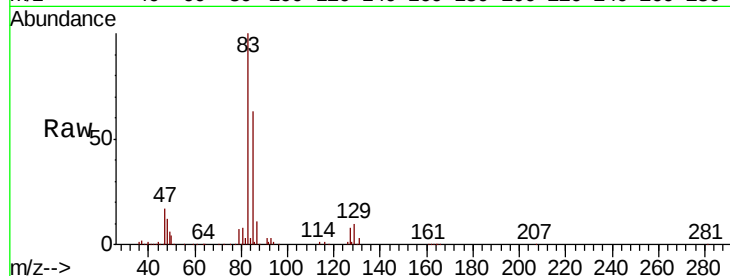
Tot Ion: 83 Resp: 116223

Ion Ratio Lower Upper

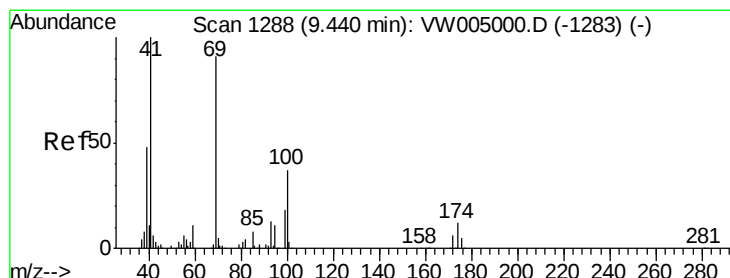
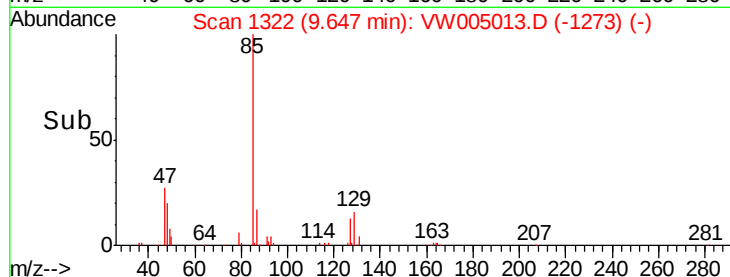
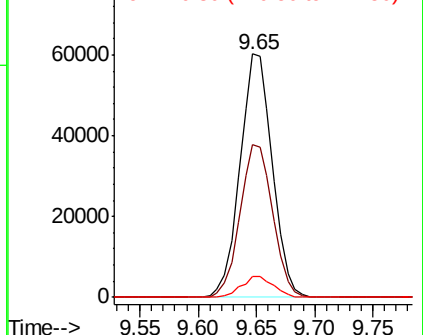
83 100

85 62.5 51.3 76.9

127 8.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.55 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

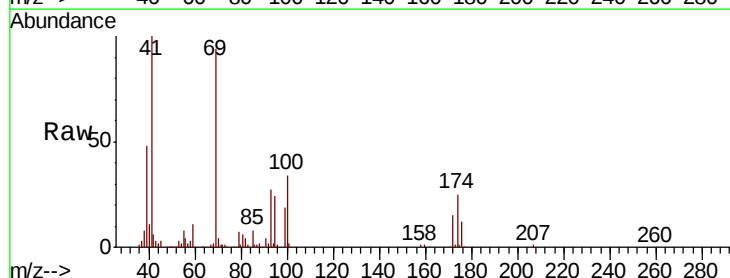
Tgt Ion: 41 Resp: 49483

Ion Ratio Lower Upper

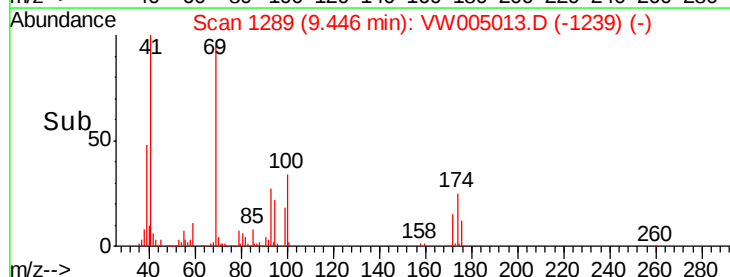
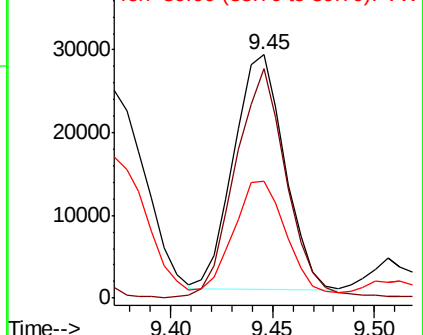
41 100

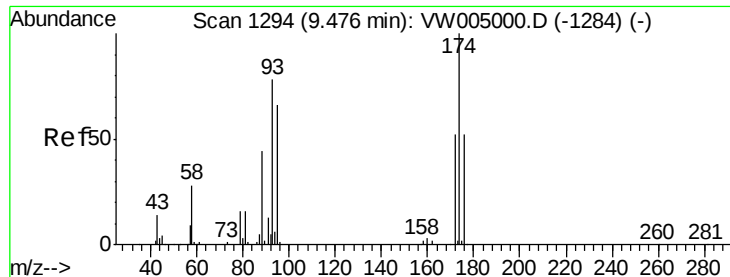
69 99.0 72.5 108.7

39 47.8 37.0 55.6



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

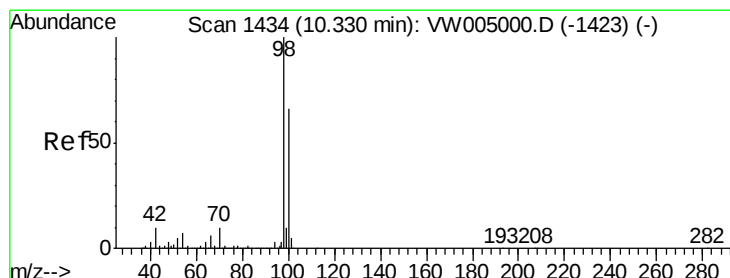
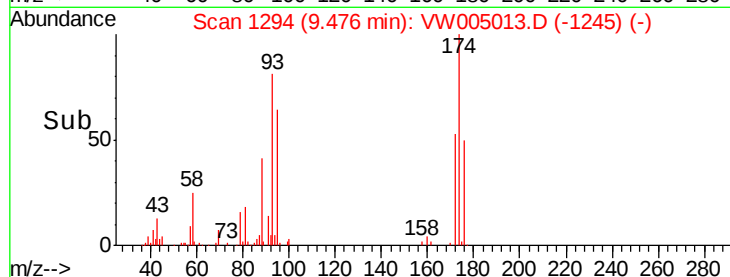
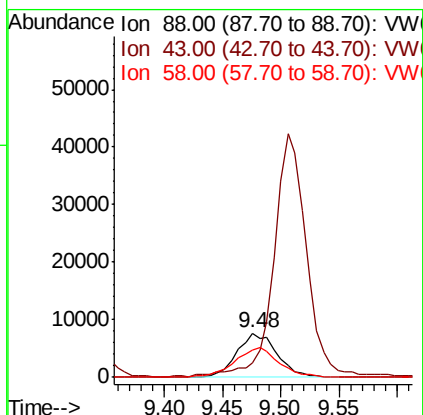
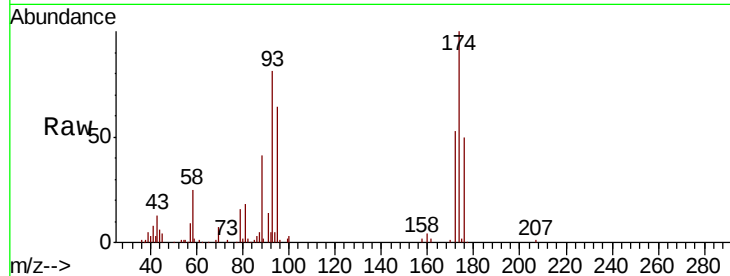




#49
1,4-Dioxane
Concen: 390.02 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

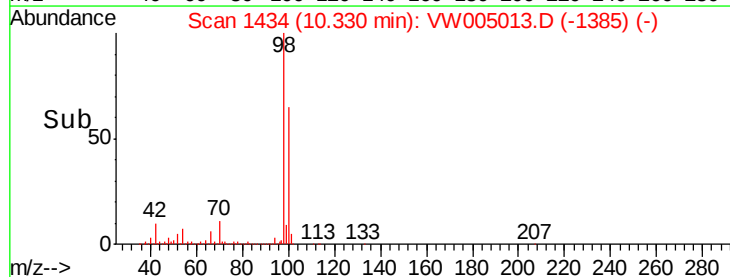
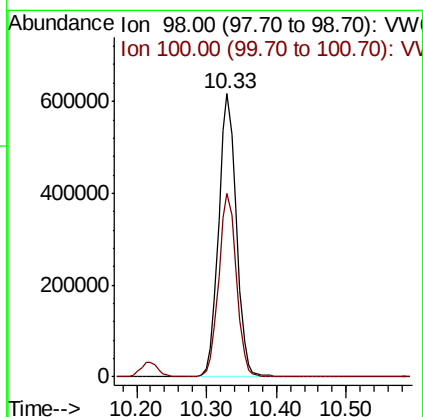
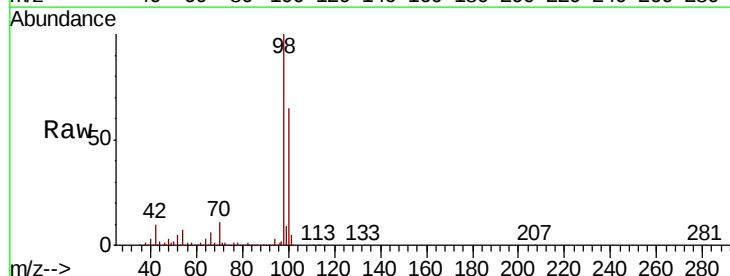
Instrument :
MSVOA_W
ClientSampled :

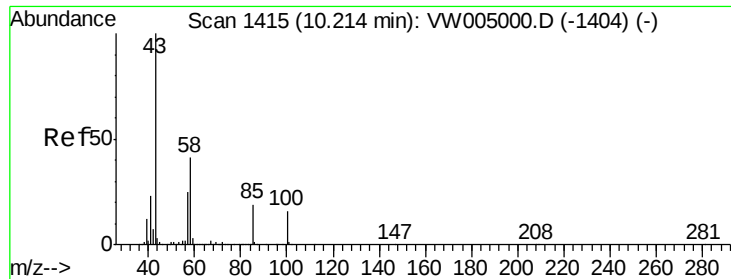
Tot Ion: 88 Resp: 18406
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.3 57.0 85.4



#50
Toluene-d8
Concen: 51.42 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 98 Resp: 1083154
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

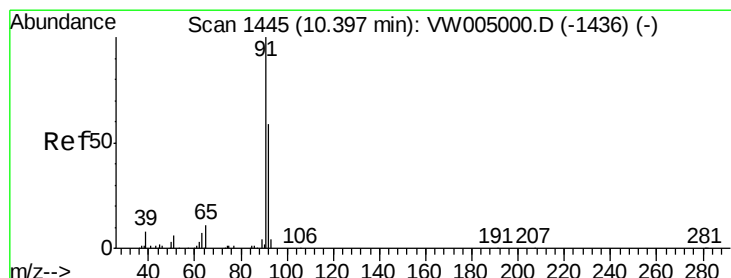
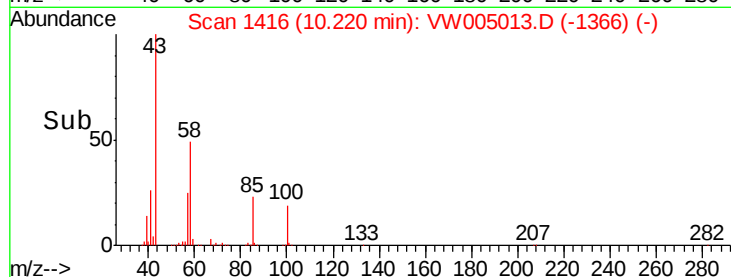
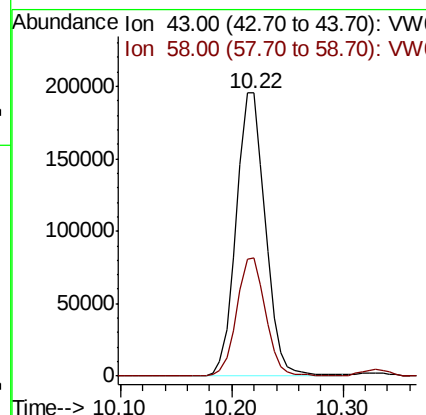
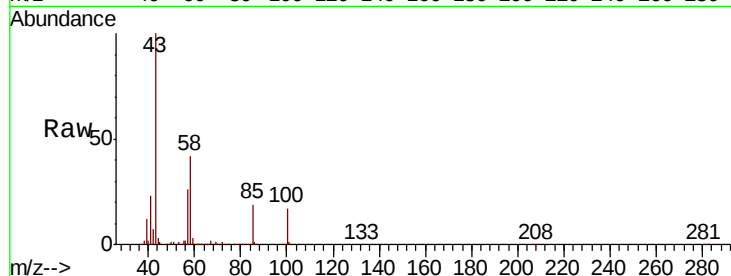




#51
4-Methyl-2-Pentanone
Concen: 100.51 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

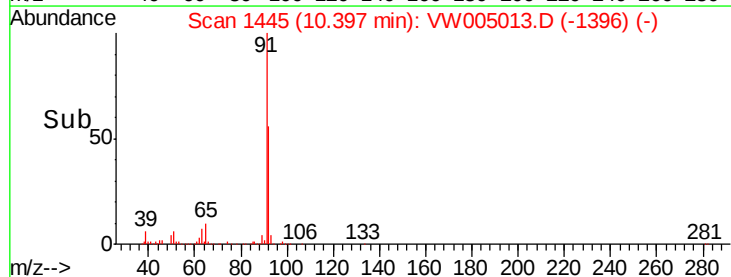
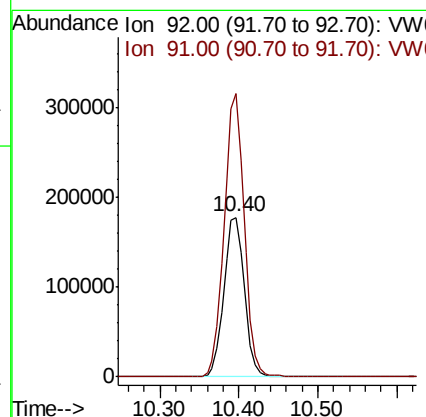
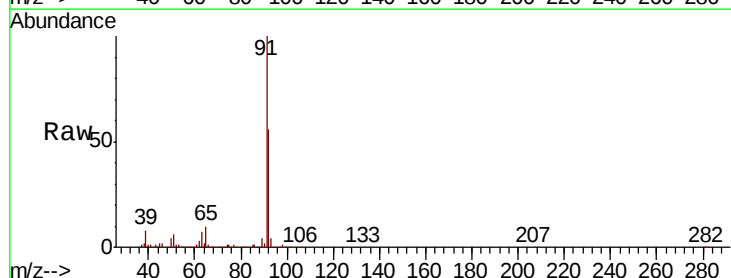
Instrument :
MSVOA_W
ClientSampled :

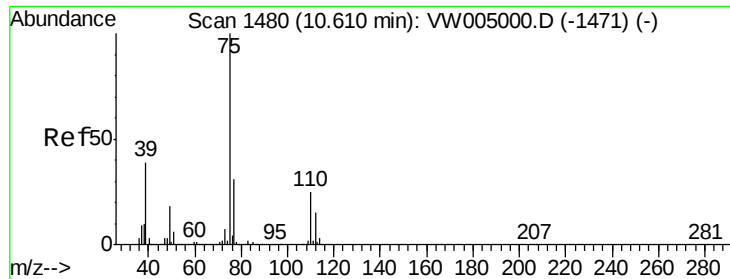
Tot Ion: 43 Resp: 354214
Ion Ratio Lower Upper
43 100
58 41.3 33.5 50.3



#52
Toluene
Concen: 20.69 ug/l
RT: 10.40 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 92 Resp: 322304
Ion Ratio Lower Upper
92 100
91 174.1 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.78 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

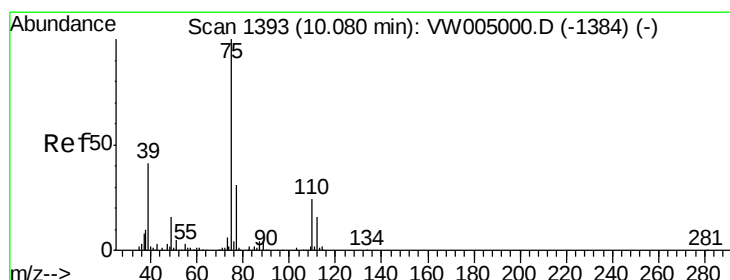
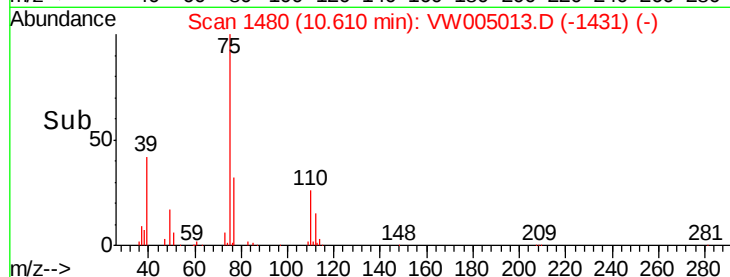
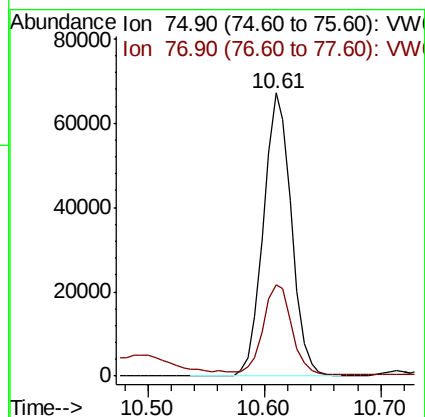
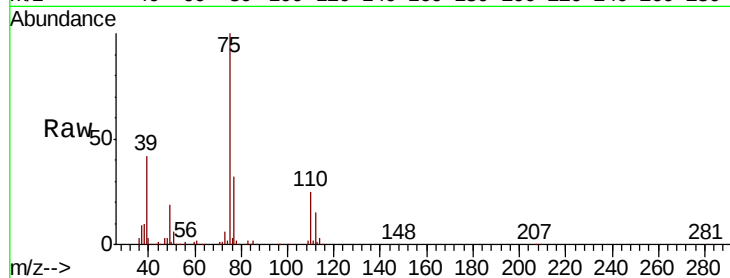
ClientSampleId :

Tot Ion: 75 Resp: 112715

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.38 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

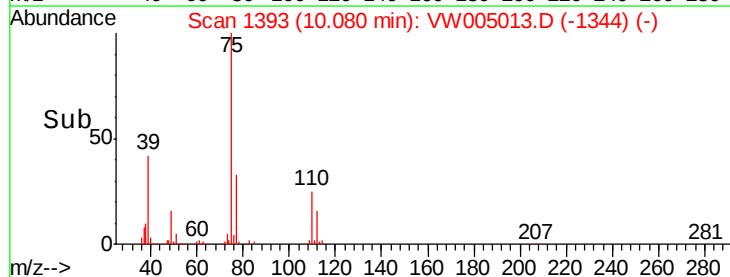
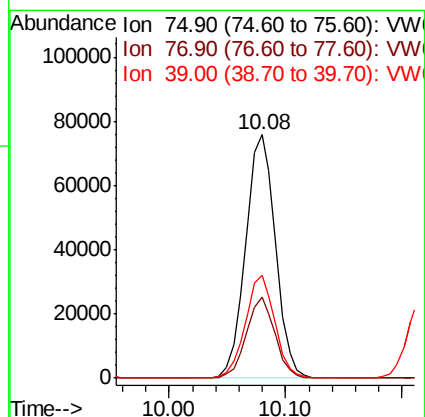
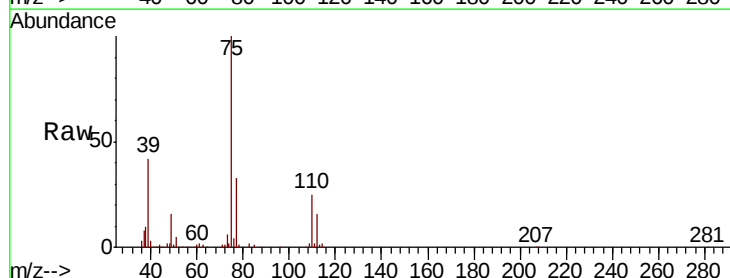
Tgt Ion: 75 Resp: 135635

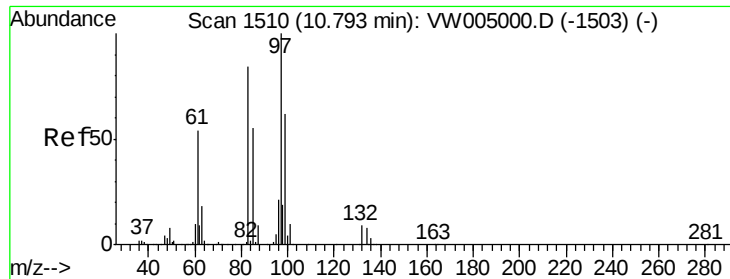
Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8

39 42.2 32.9 49.3





#55

1,1,2-Trichloroethane

Concen: 19.90 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 74059

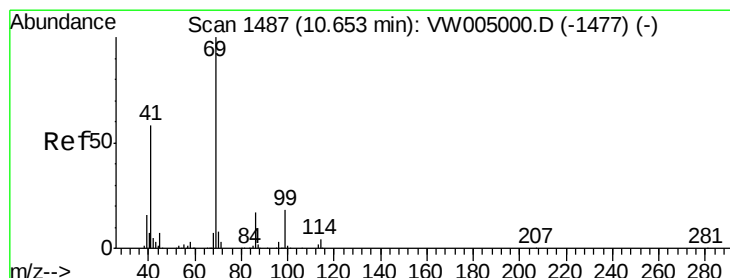
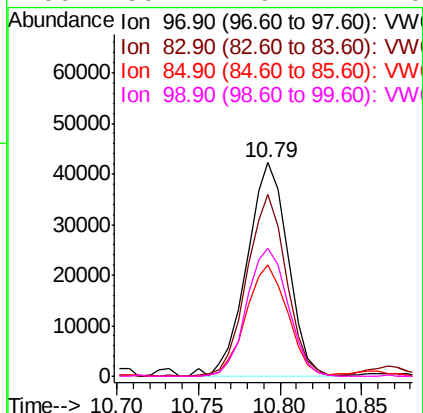
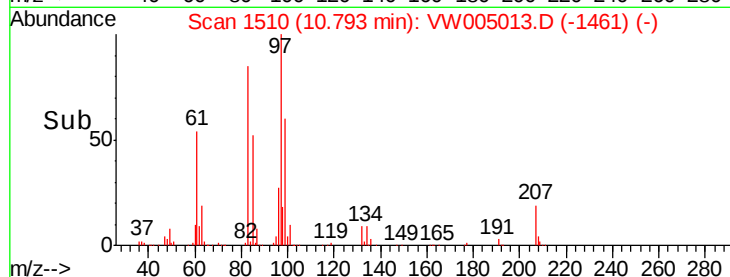
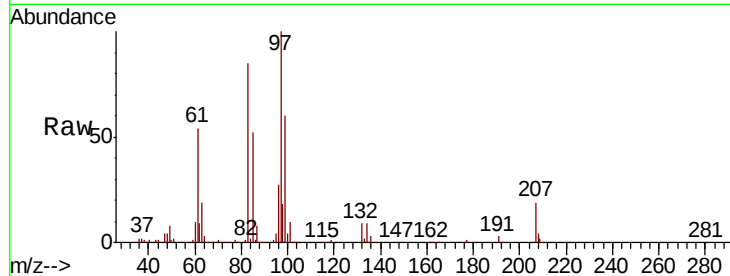
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.3	100.9
85	51.9	44.3	66.5
99	59.7	49.4	74.0

97 100

83 84.6 67.3 100.9

85 51.9 44.3 66.5

99 59.7 49.4 74.0



#56

Ethyl methacrylate

Concen: 20.29 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

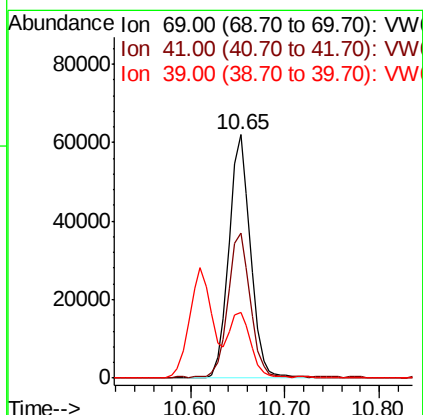
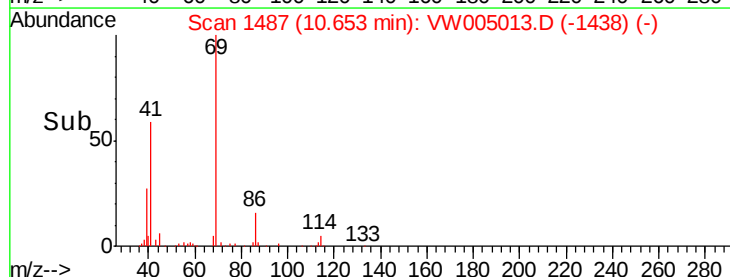
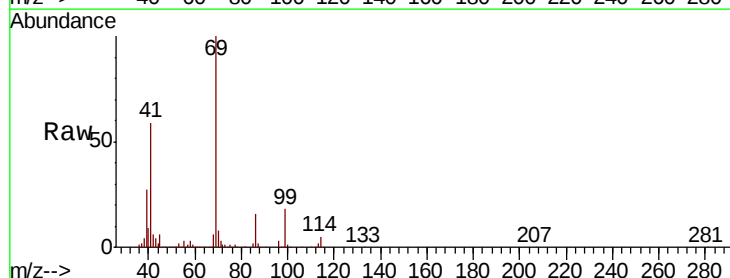
Tgt Ion: 69 Resp: 99041

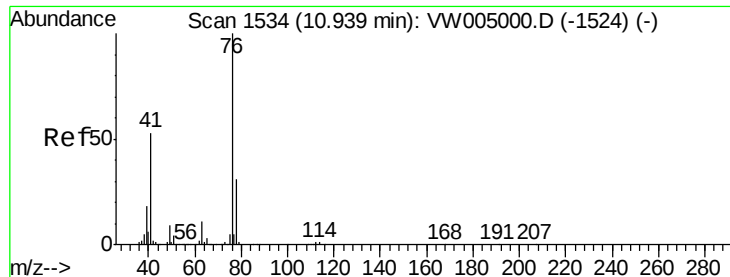
Ion	Ratio	Lower	Upper
69	100		
41	62.1	47.7	71.5
39	26.1	21.0	31.6

69 100

41 62.1 47.7 71.5

39 26.1 21.0 31.6

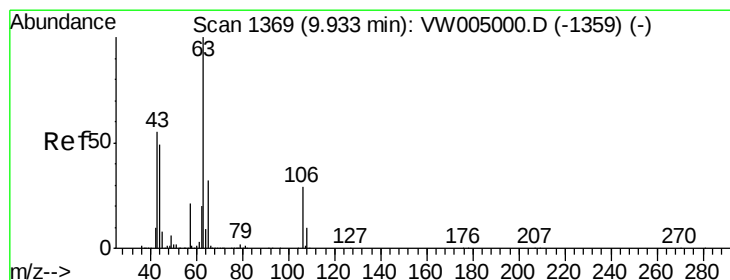
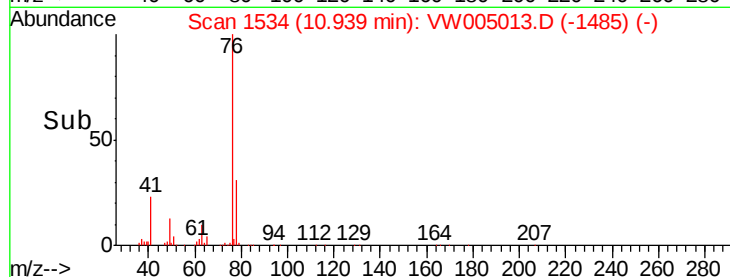
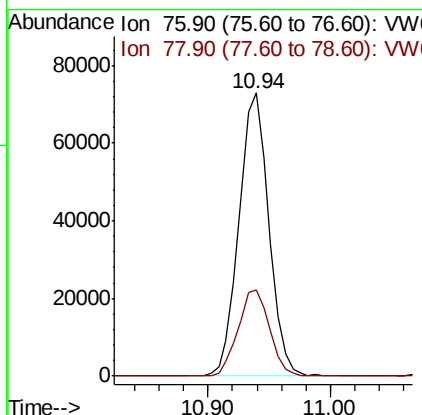
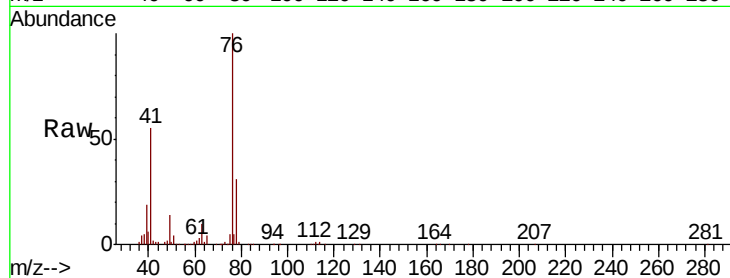




#57
 1,3-Dichloropropane
 Concen: 20.16 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

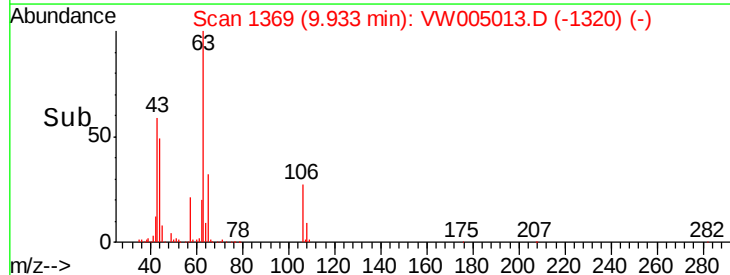
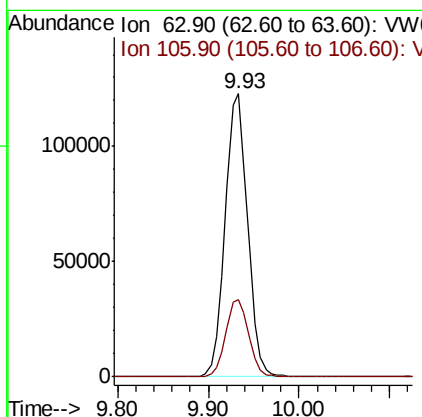
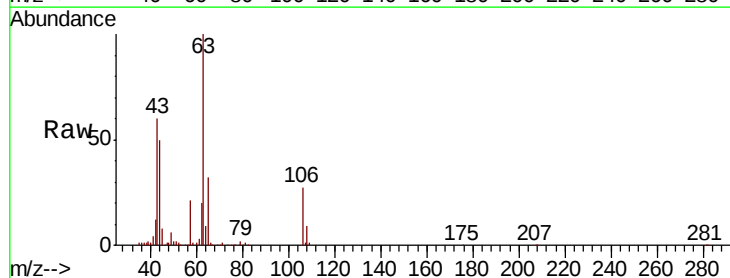
Instrument :
 MSVOA_W
 ClientSampled :

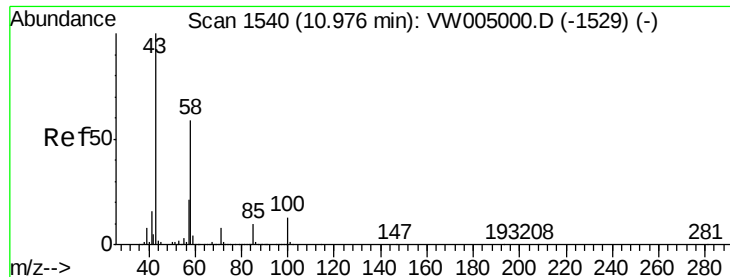
Tot Ion: 76 Resp: 123459
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.42 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion: 63 Resp: 211227
 Ion Ratio Lower Upper
 63 100
 106 28.0 23.2 34.8

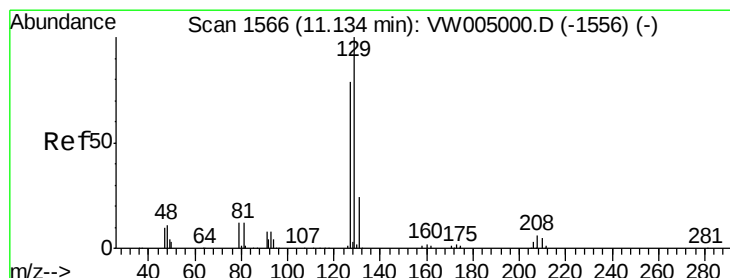
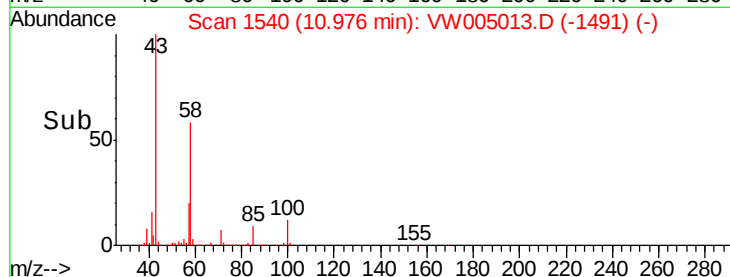
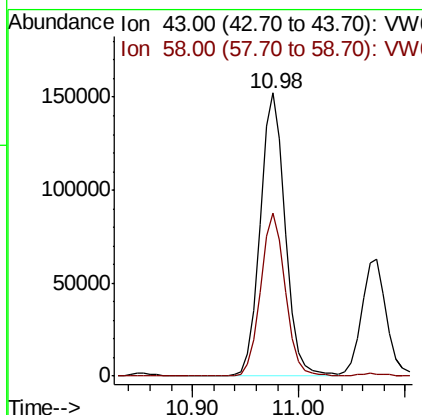
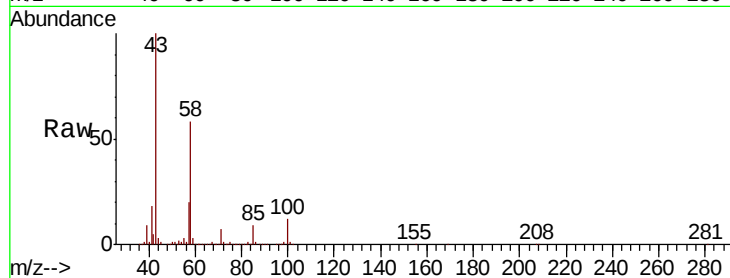




#59
2-Hexanone
Concen: 97.76 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

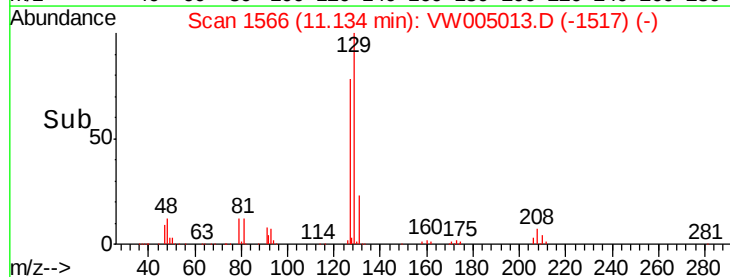
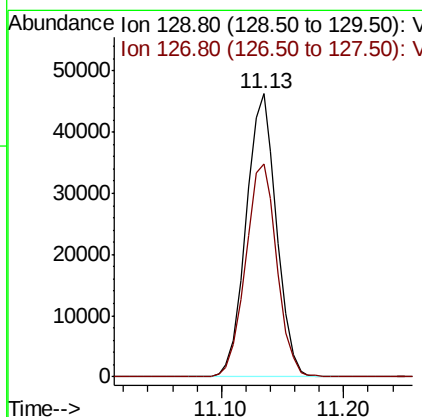
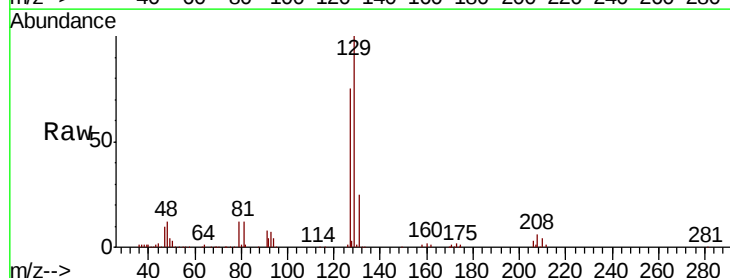
Instrument :
MSVOA_W
ClientSampleId :

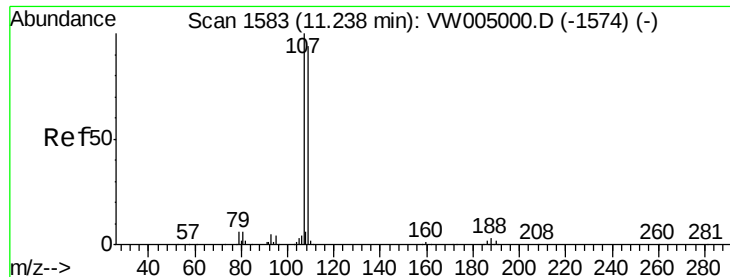
Tot Ion: 43 Resp: 249447
Ion Ratio Lower Upper
43 100
58 57.3 29.2 87.6



#60
Dibromochloromethane
Concen: 19.52 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion: 129 Resp: 79747
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8

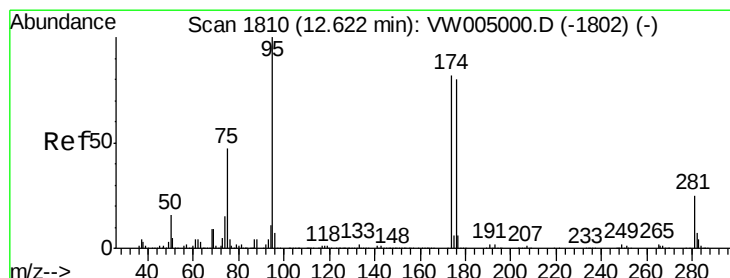
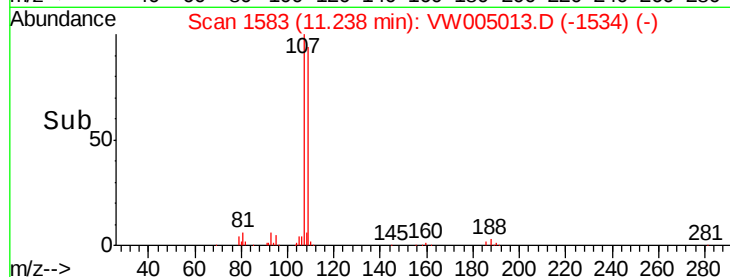
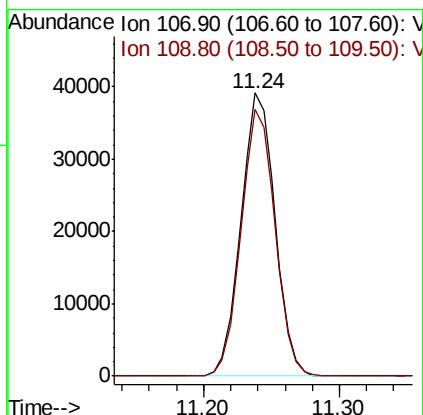
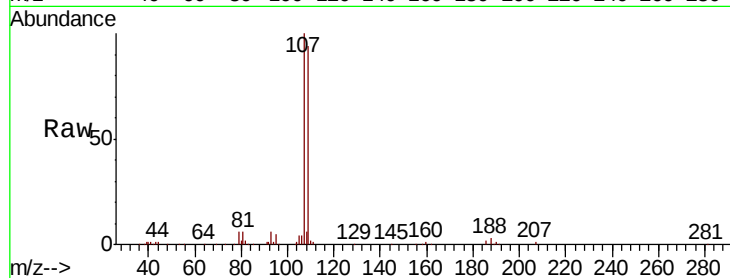




#61
 1,2-Dibromoethane
 Concen: 19.65 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

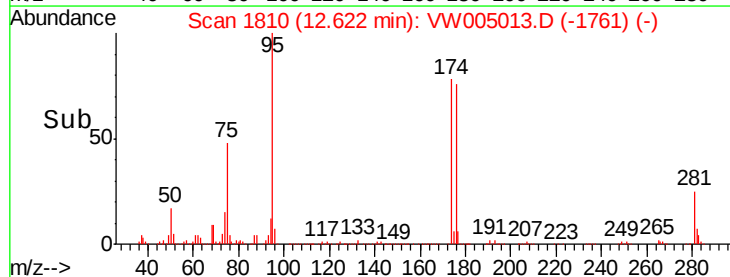
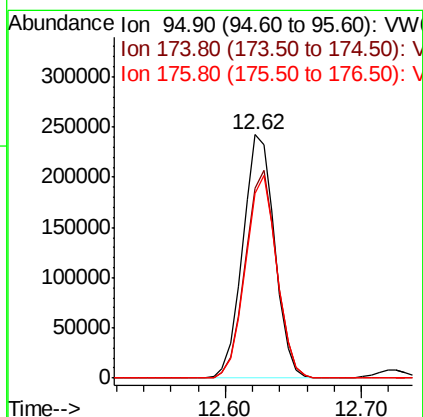
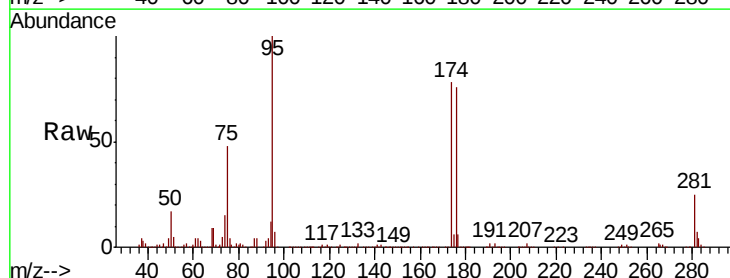
Instrument :
 MSVOA_W
 ClientSampleId :

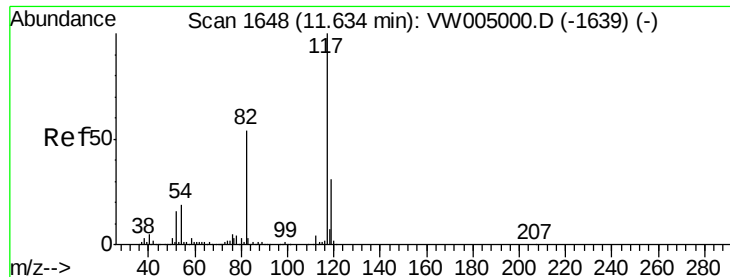
Tot Ion: 107 Resp: 68569
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.55 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion: 95 Resp: 395935
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 173.4
 176 82.5 0.0 167.8

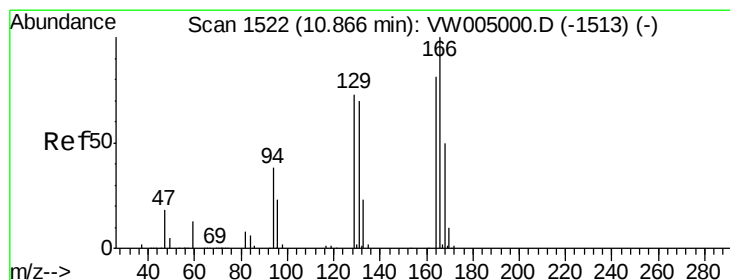
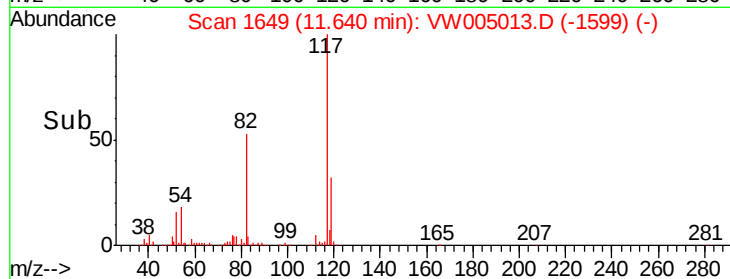
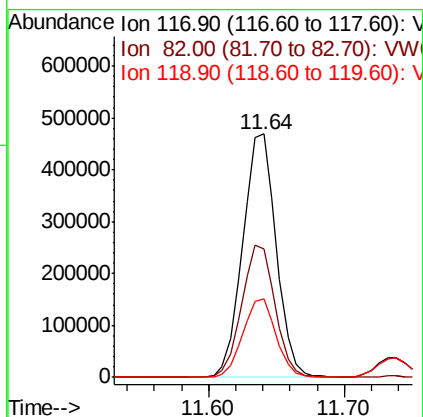
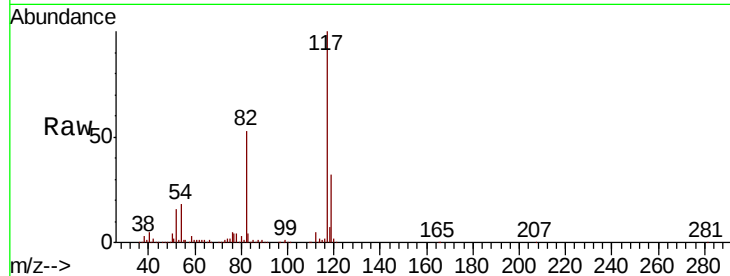




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

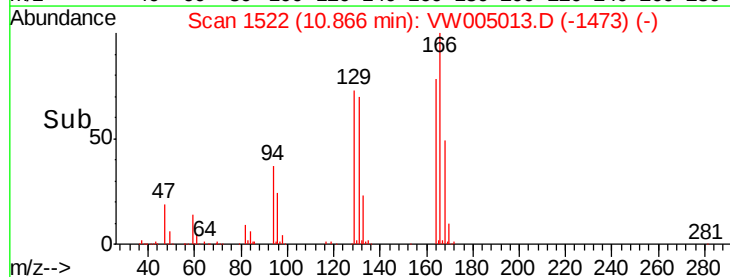
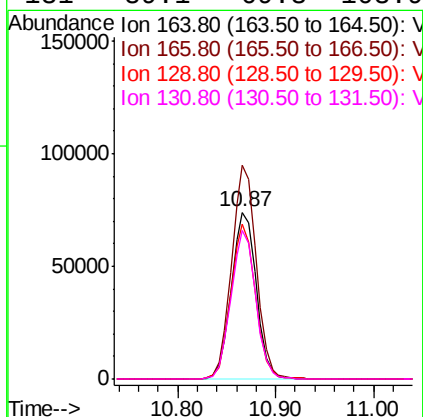
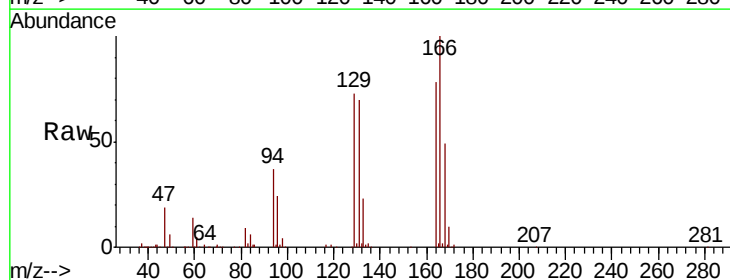
Instrument :
MSVOA_W
ClientSampleId :

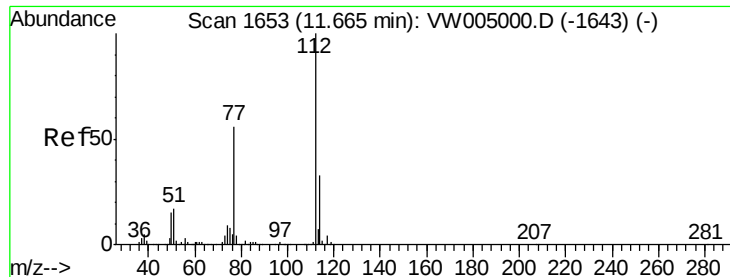
Tot Ion:117 Resp: 807354
Ion Ratio Lower Upper
117 100
82 52.5 43.3 64.9
119 32.1 25.0 37.6



#64
Tetrachloroethene
Concen: 22.17 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion:164 Resp: 130486
Ion Ratio Lower Upper
164 100
166 128.1 99.4 149.0
129 93.0 72.2 108.2
131 89.1 69.3 103.9





#65

Chlorobenzene

Concen: 19.98 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

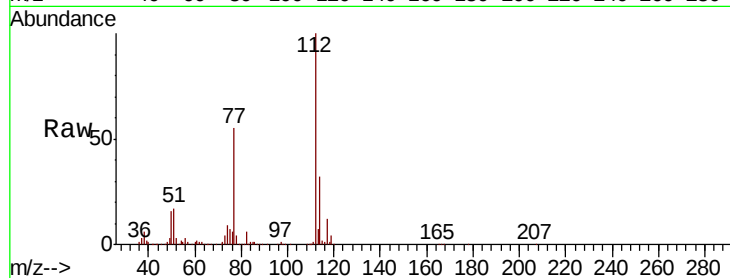
ClientSampled :

Tot Ion:112 Resp: 354349

Ion Ratio Lower Upper

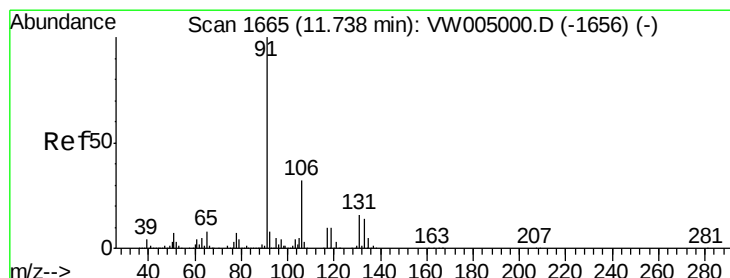
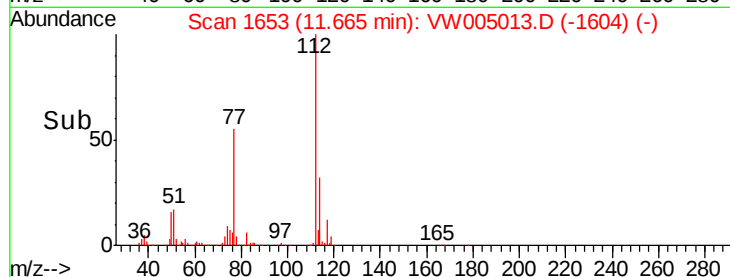
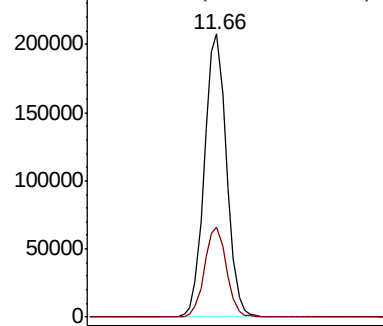
112 100

114 31.7 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.27 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

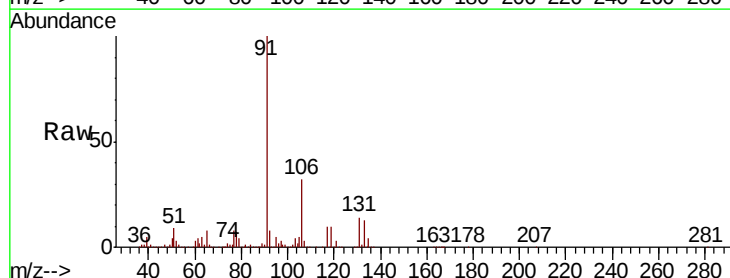
Tgt Ion:131 Resp: 93894

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.3

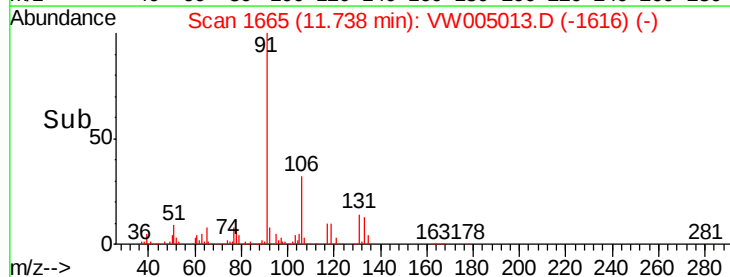
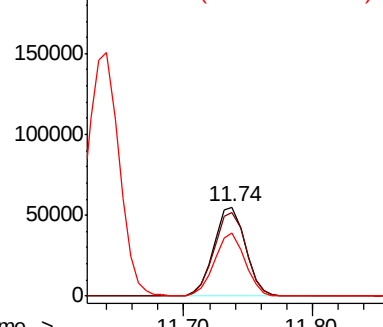
119 68.2 33.1 99.3

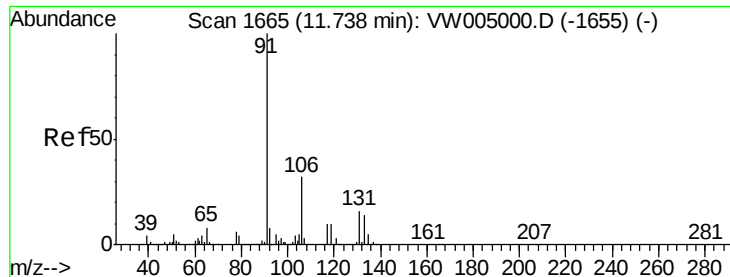


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

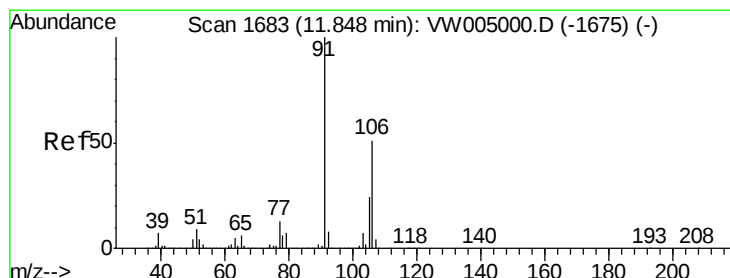
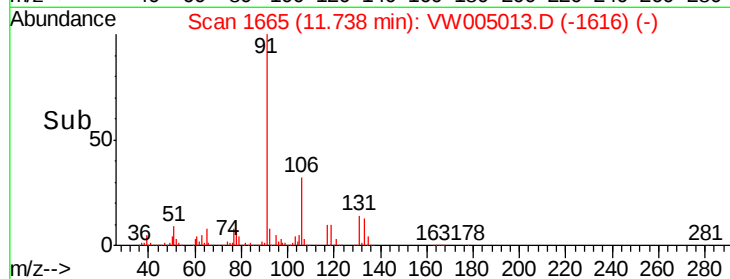
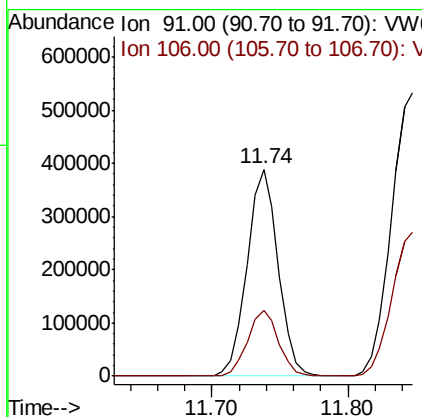
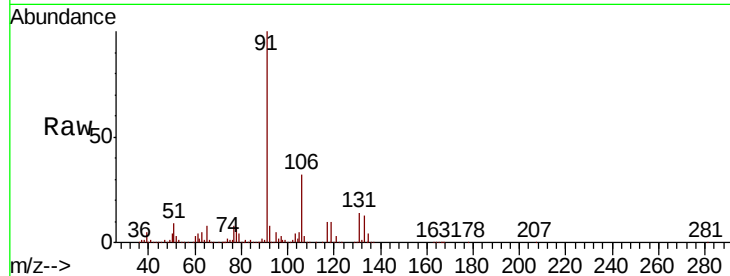




#67
Ethyl Benzene
Concen: 20.44 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

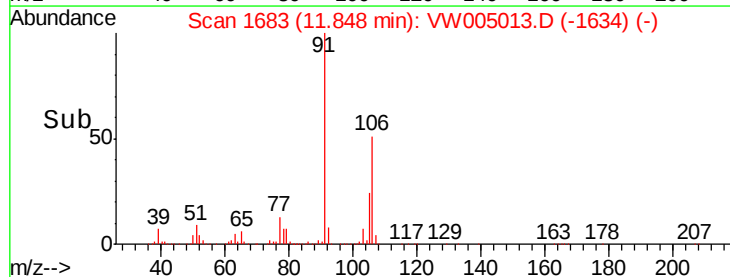
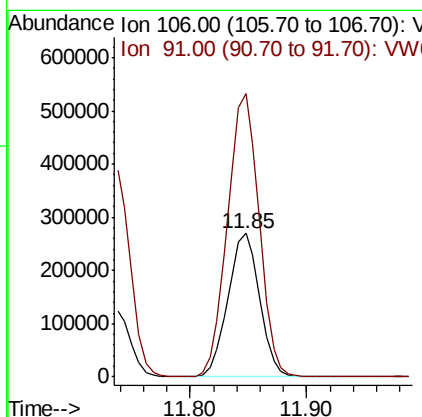
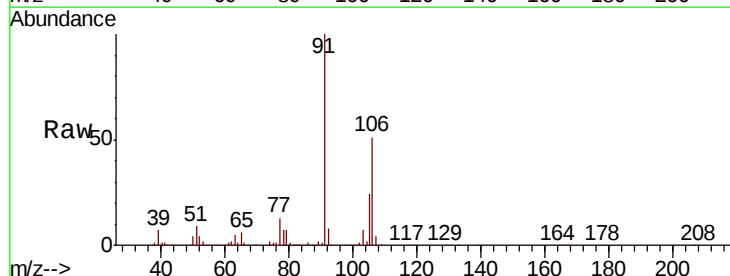
Instrument :
MSVOA_W
ClientSampled :

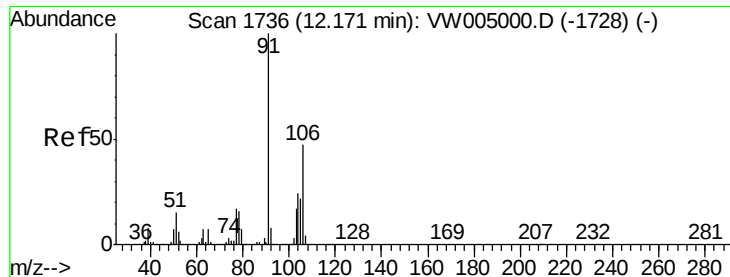
Tot Ion: 91 Resp: 620729
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 40.99 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion:106 Resp: 507729
Ion Ratio Lower Upper
106 100
91 198.0 158.4 237.6

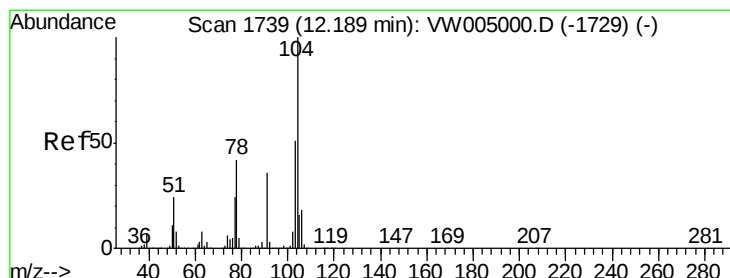
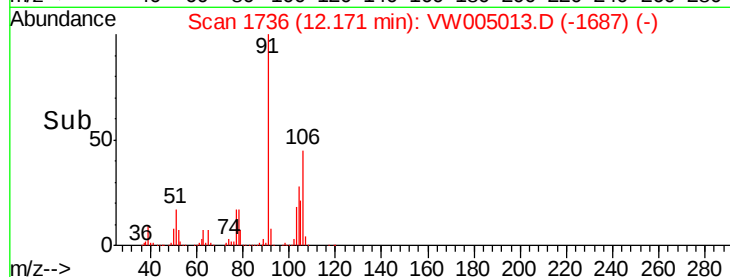
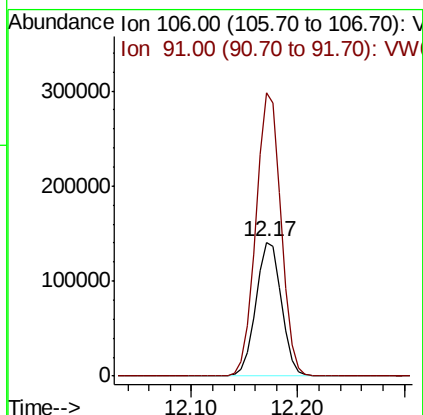
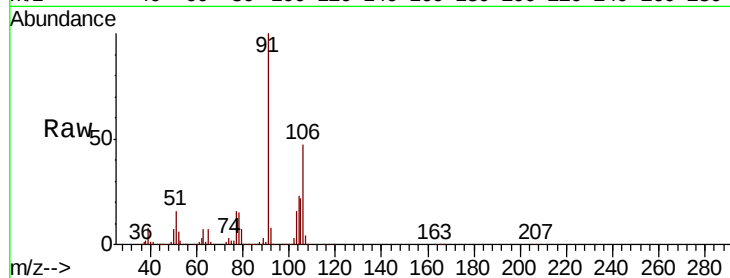




#69
o-Xylene
Concen: 20.87 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

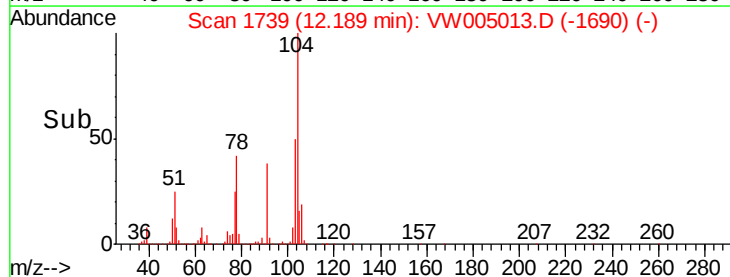
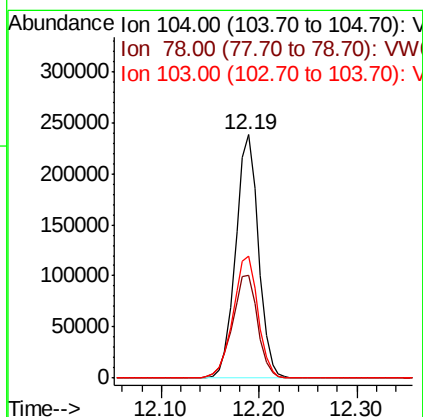
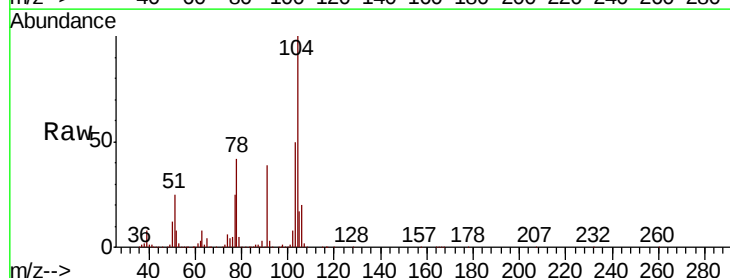
Instrument :
MSVOA_W
ClientSampleId :

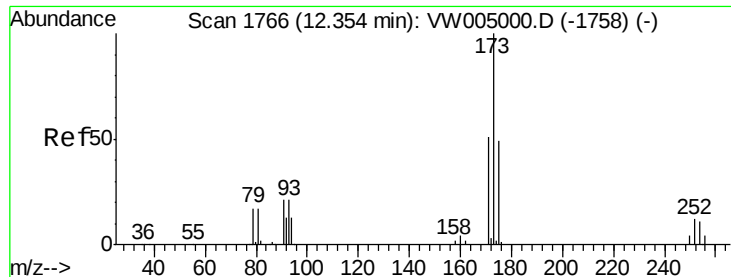
Tot Ion:106 Resp: 236237
Ion Ratio Lower Upper
106 100
91 209.4 104.4 313.1



#70
Styrene
Concen: 20.56 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005013.D
Acq: 30 Aug 2018 13:01

Tgt Ion:104 Resp: 385999
Ion Ratio Lower Upper
104 100
78 47.0 37.6 56.4
103 54.6 43.9 65.9





#71

Bromoform

Concen: 18.31 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

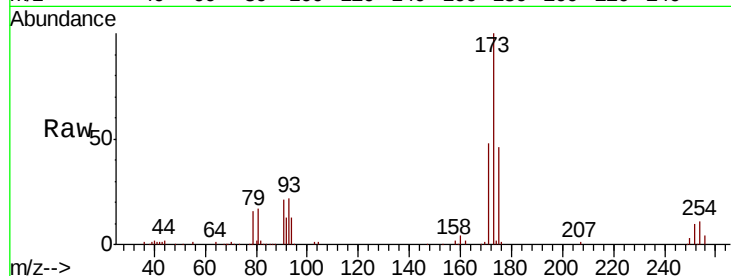
Tot Ion:173 Resp: 49594

Ion Ratio Lower Upper

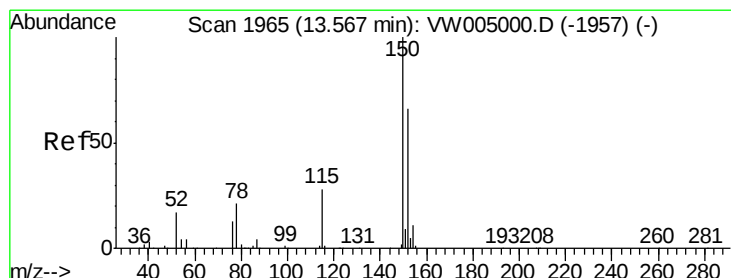
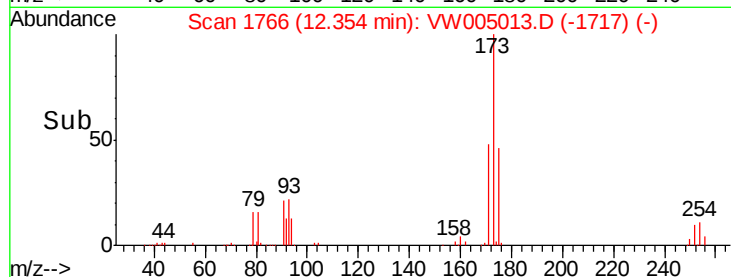
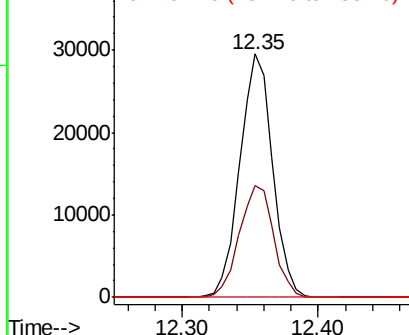
173 100

175 48.2 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

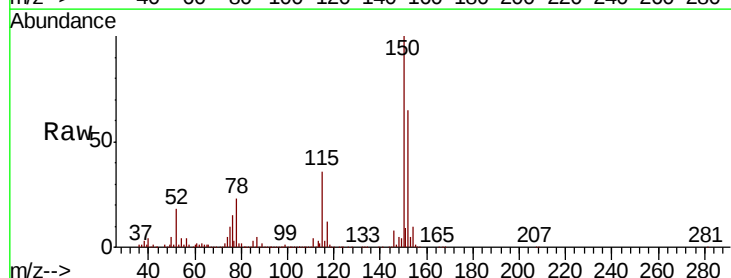
Tgt Ion:152 Resp: 440853

Ion Ratio Lower Upper

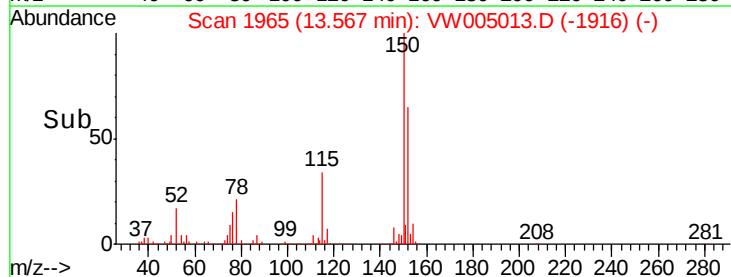
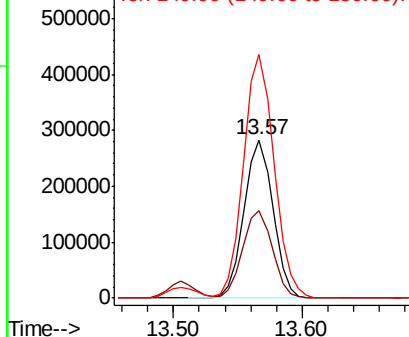
152 100

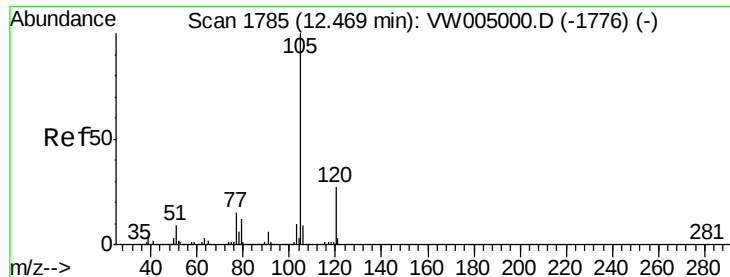
115 56.5 28.0 83.9

150 162.2 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.96 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

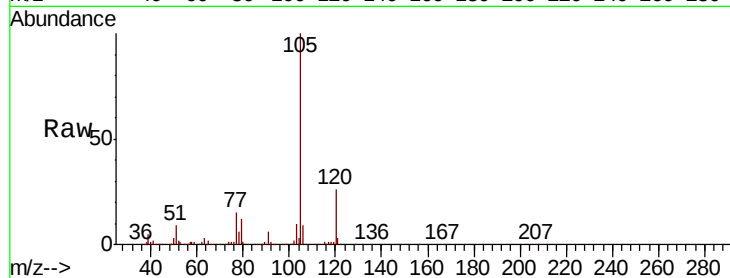
ClientSampleId :

Tot Ion:105 Resp: 615952

Ion Ratio Lower Upper

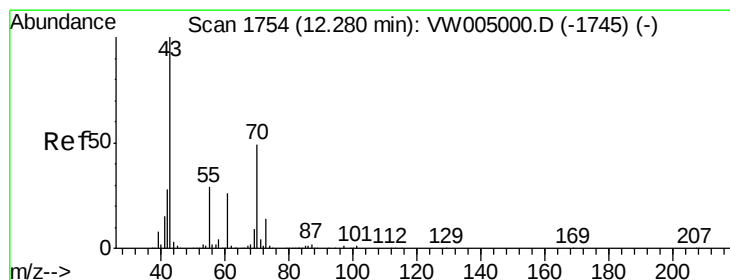
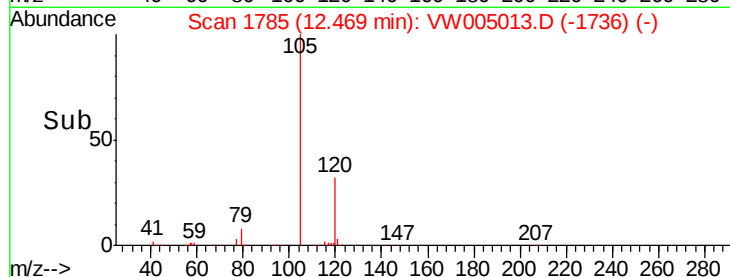
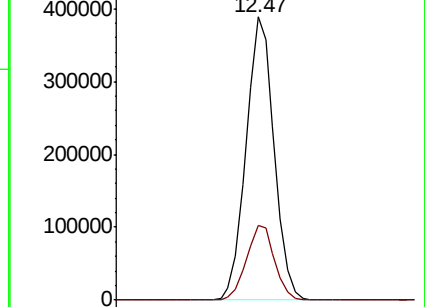
105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.38 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Tgt Ion: 43 Resp: 113042

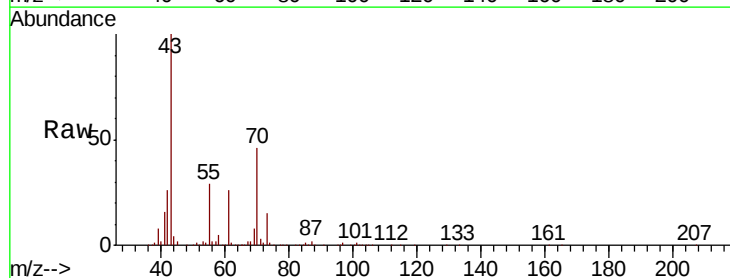
Ion Ratio Lower Upper

43 100

70 45.4 38.6 57.8

55 29.1 23.6 35.4

61 25.1 21.0 31.6

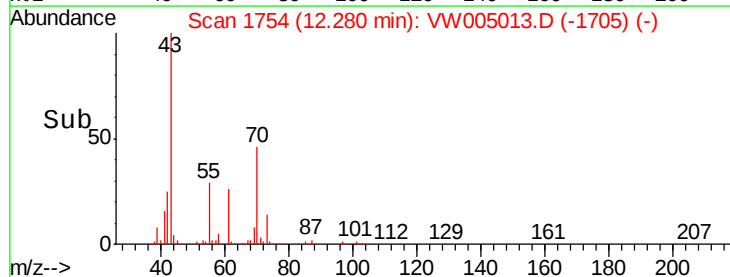
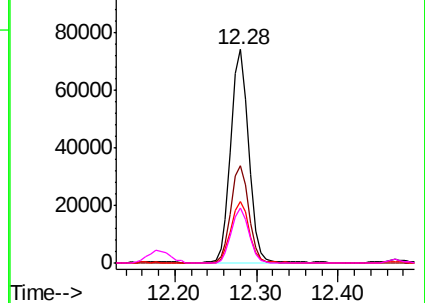


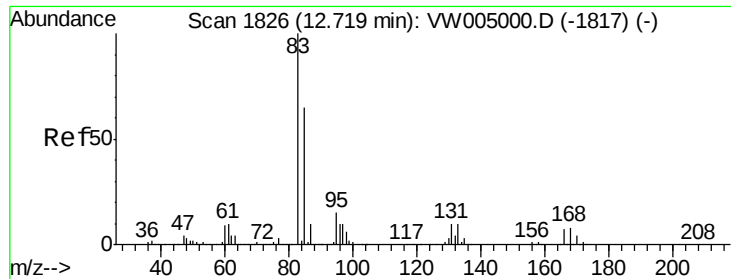
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.02 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

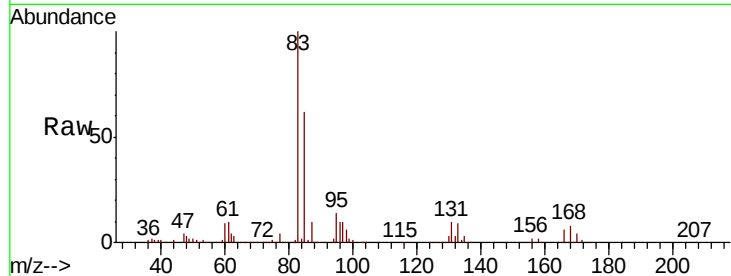
Tot Ion: 83 Resp: 89075

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.5

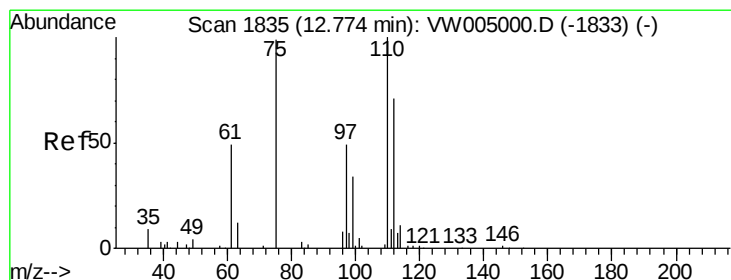
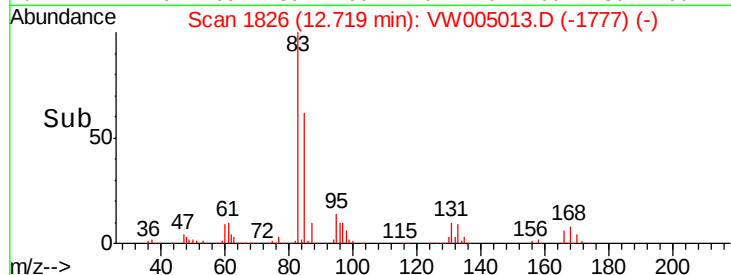
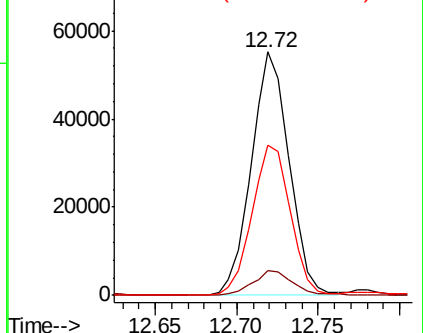
85 62.9 31.9 95.9



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: 36.92 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW005013.D

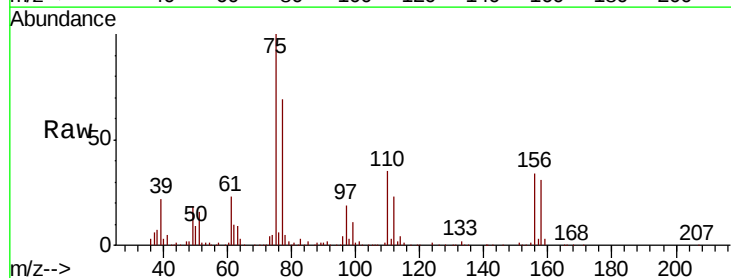
Acq: 30 Aug 2018 13:01

Tgt Ion: 75 Resp: 115288

Ion Ratio Lower Upper

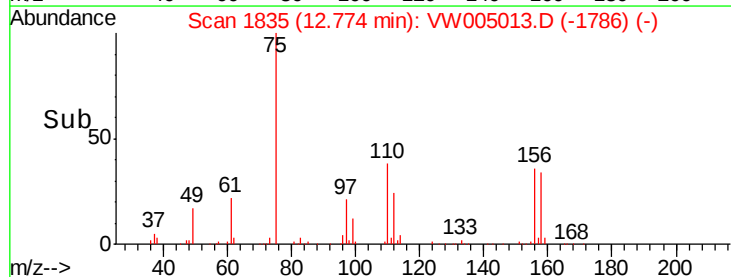
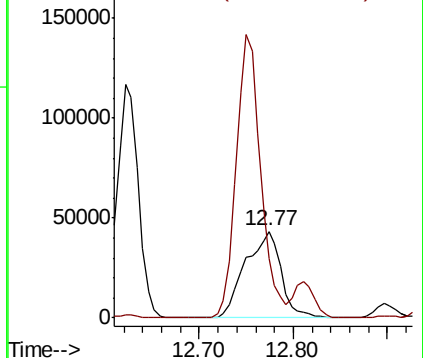
75 100

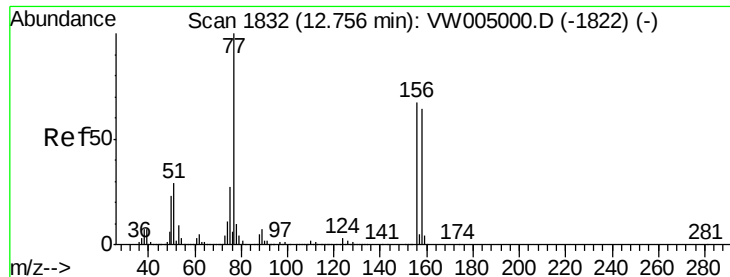
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.55 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

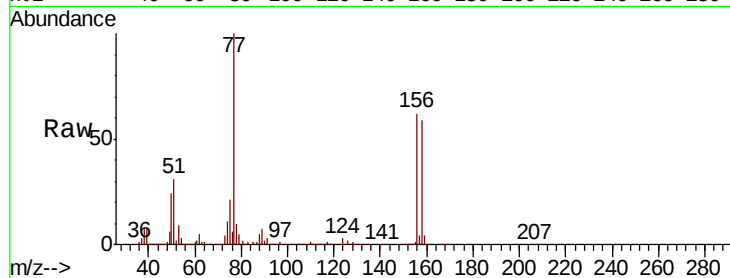
Tot Ion:156 Resp: 148195

Ion Ratio Lower Upper

156 100

77 173.7 86.9 260.6

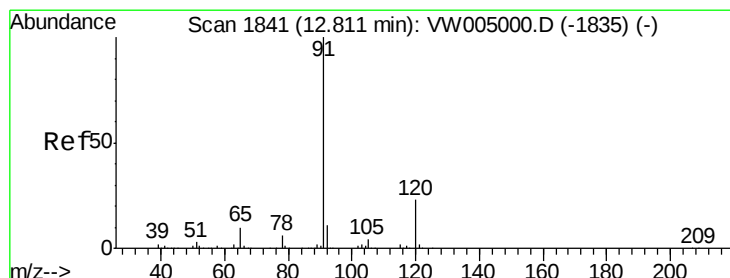
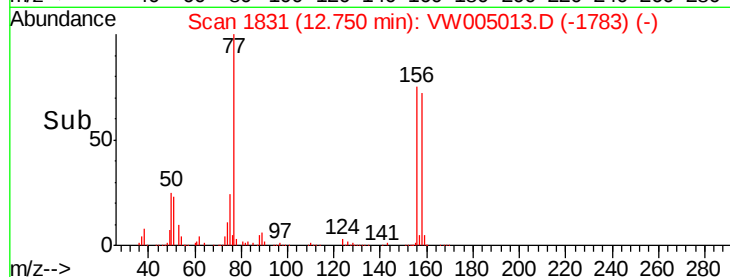
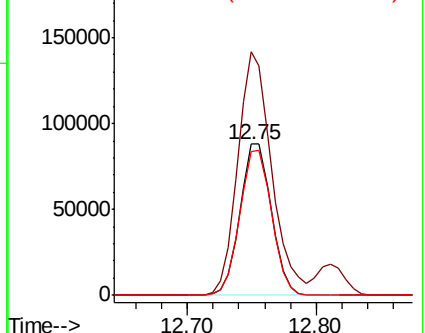
158 96.9 48.6 145.9



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: 21.04 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW005013.D

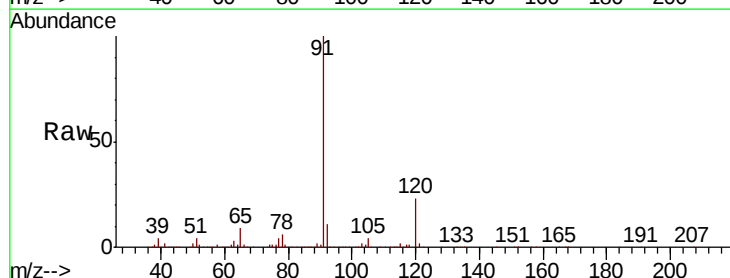
Acq: 30 Aug 2018 13:01

Tgt Ion: 91 Resp: 762832

Ion Ratio Lower Upper

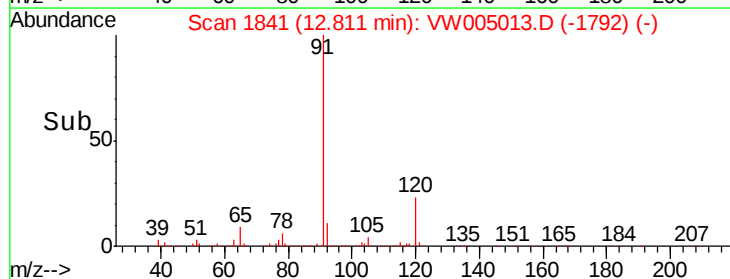
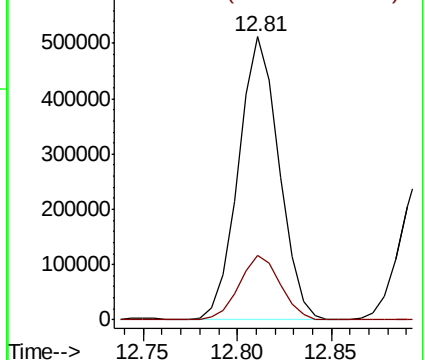
91 100

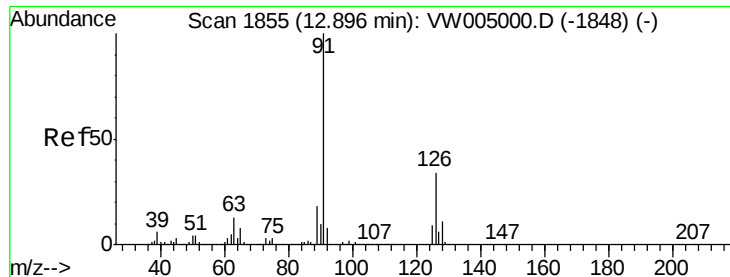
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.26 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

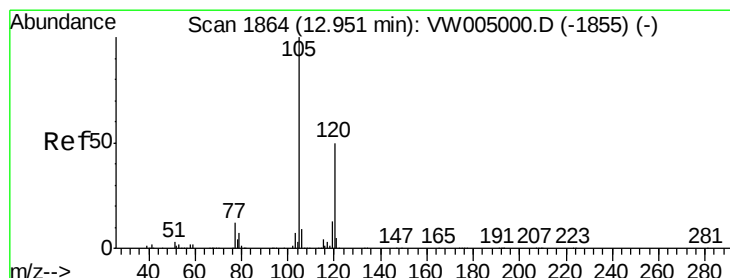
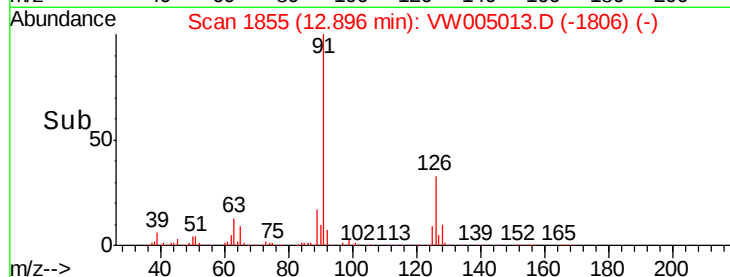
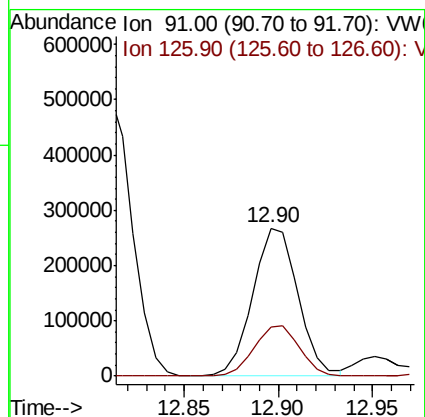
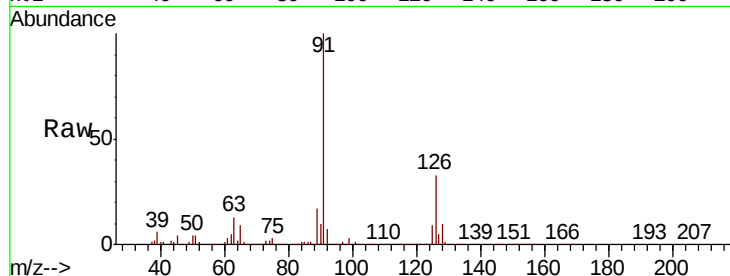
ClientSampled :

Tot Ion: 91 Resp: 445214

Ion Ratio Lower Upper

91 100

126 34.2 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 21.02 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005013.D

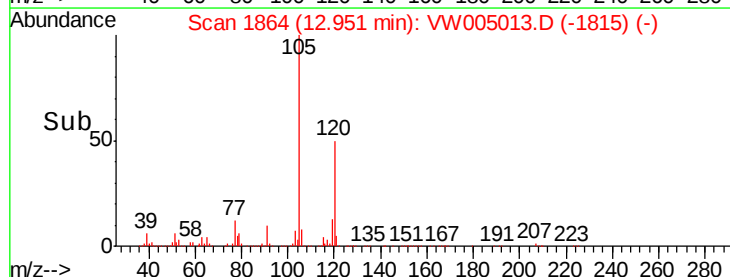
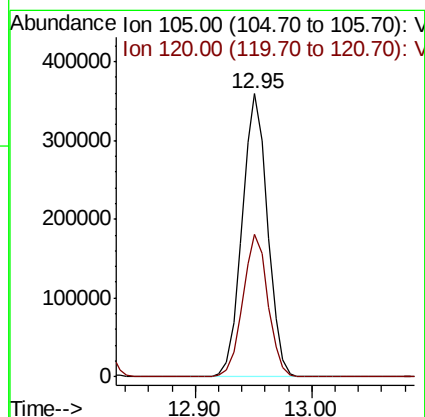
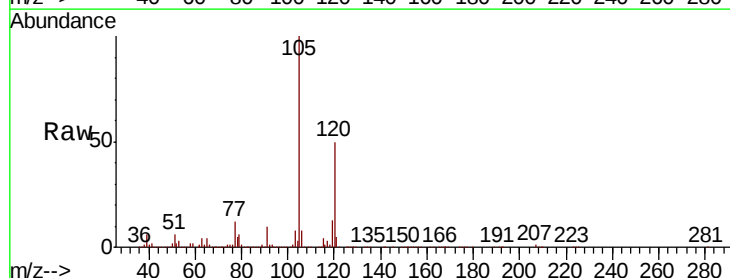
Acq: 30 Aug 2018 13:01

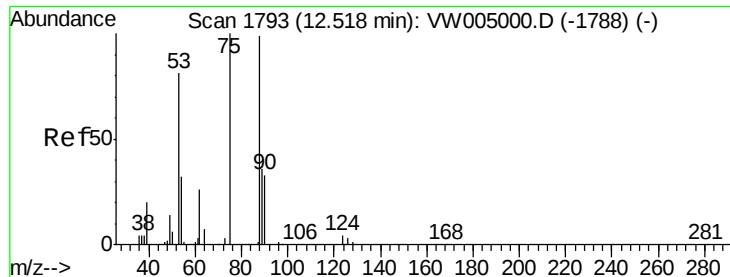
Tgt Ion:105 Resp: 545665

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 16.08 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

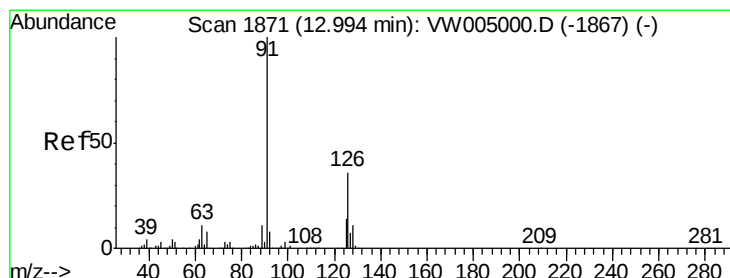
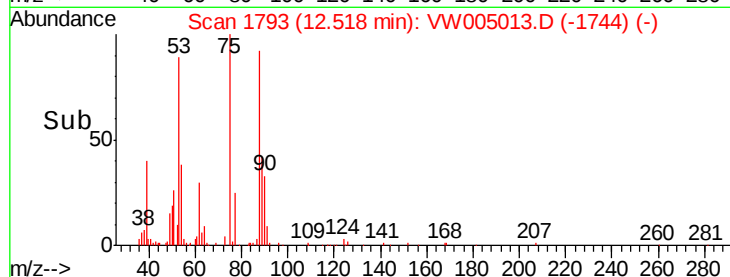
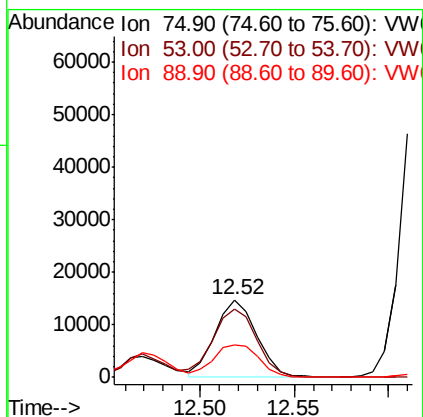
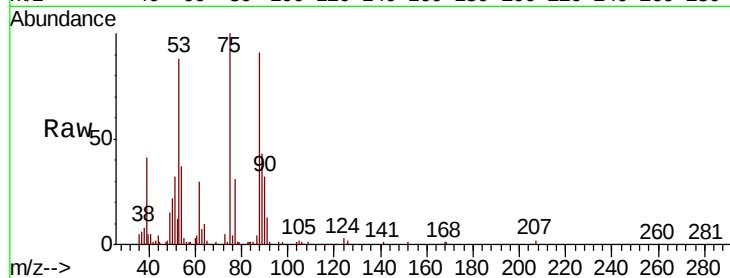
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 22209

Ion	Ratio	Lower	Upper
75	100		
53	96.5	67.4	101.2
89	47.6	35.0	52.6



#82

4-Chlorotoluene

Concen: 20.88 ug/l

RT: 12.99 min Scan# 1871

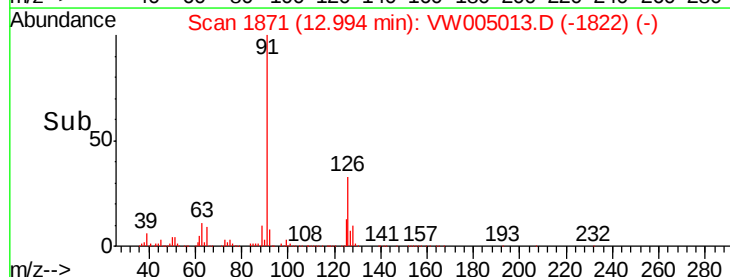
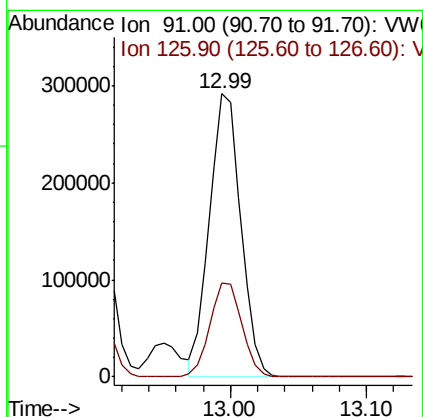
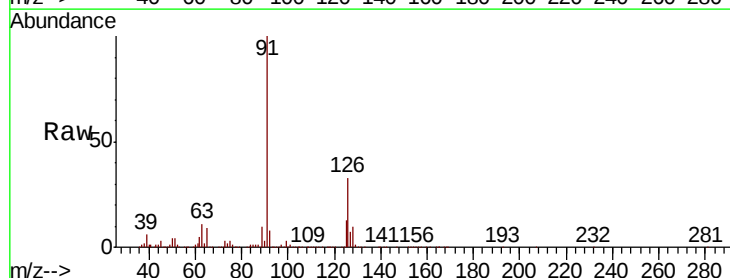
Delta R.T. -0.00 min

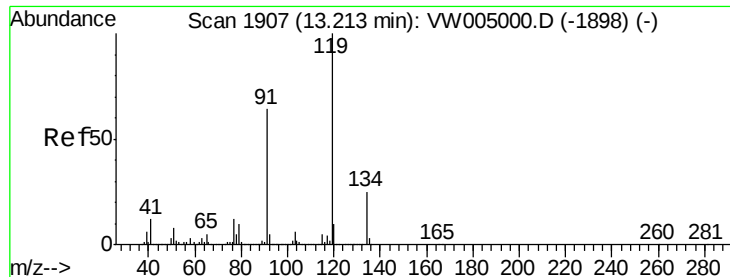
Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Tgt Ion: 91 Resp: 465864

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.5	52.5

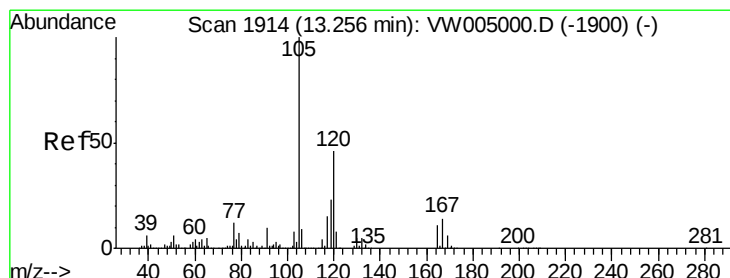
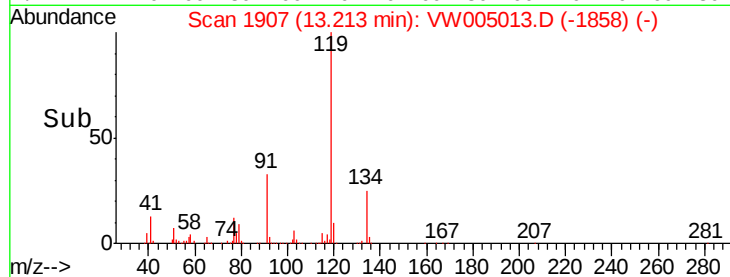
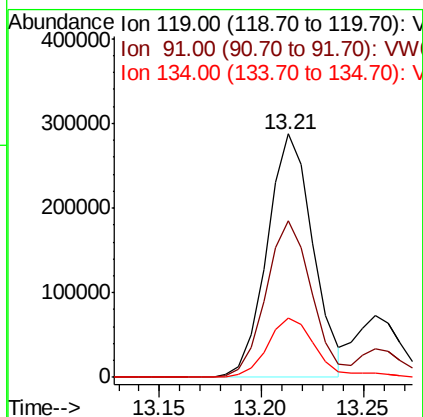
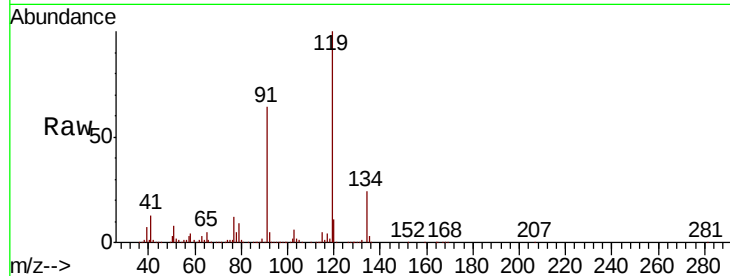




#83
 tert-Butylbenzene
 Concen: 20.65 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

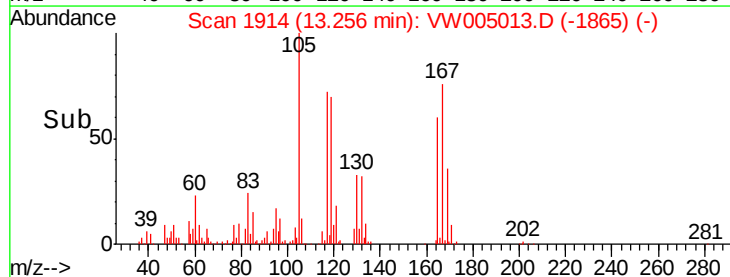
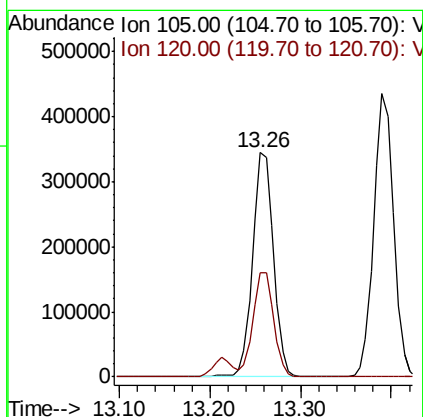
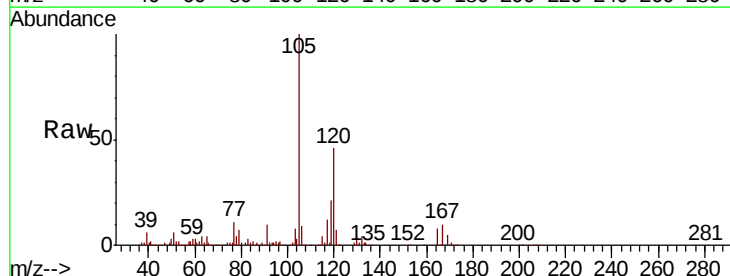
Instrument :
 MSVOA_W
 ClientSampleId :

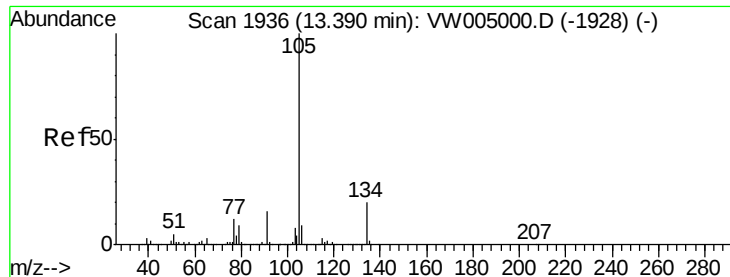
Tot Ion:119 Resp: 450444
 Ion Ratio Lower Upper
 119 100
 91 64.6 31.9 95.5
 134 26.1 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.83 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion:105 Resp: 548665
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.7

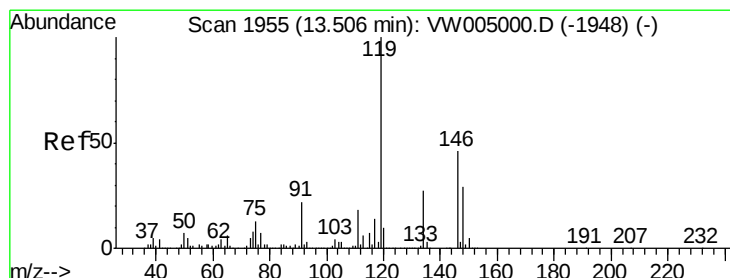
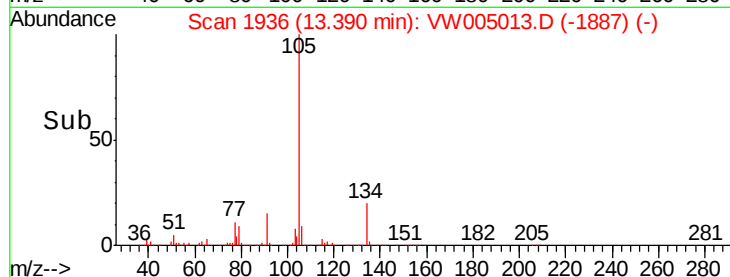
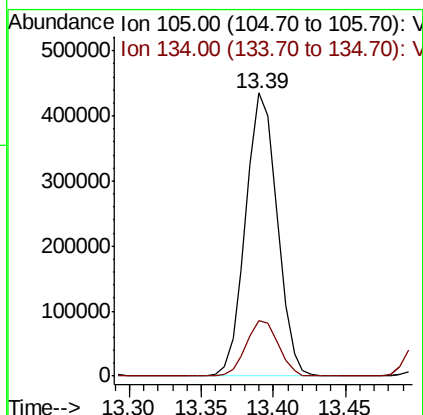
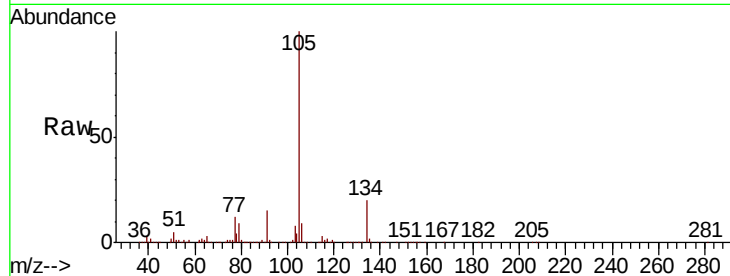




#85
 sec-Butylbenzene
 Concen: 20.64 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

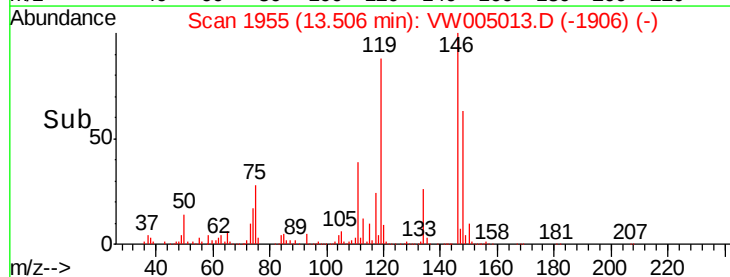
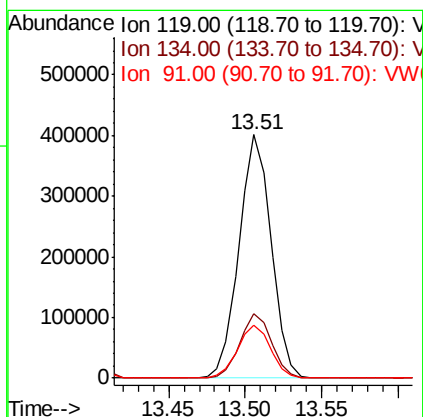
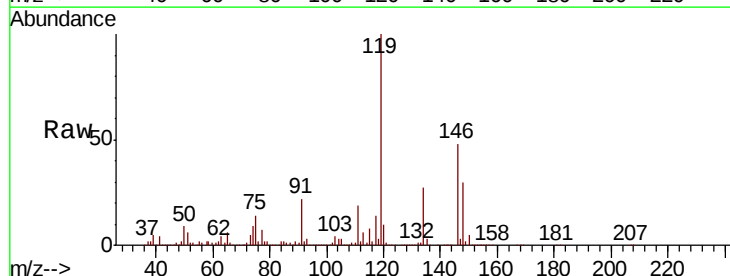
Instrument :
 MSVOA_W
 ClientSampleId :

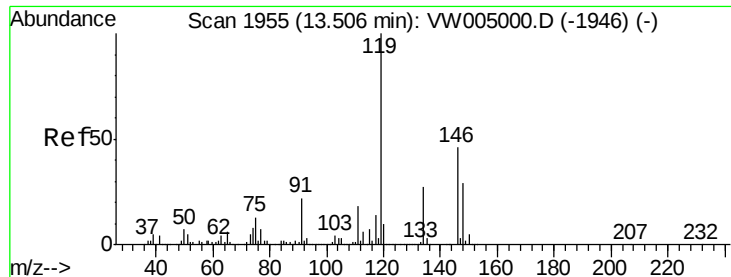
Tot Ion:105 Resp: 660785
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.33 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion:119 Resp: 583032
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 22.1 10.9 32.9

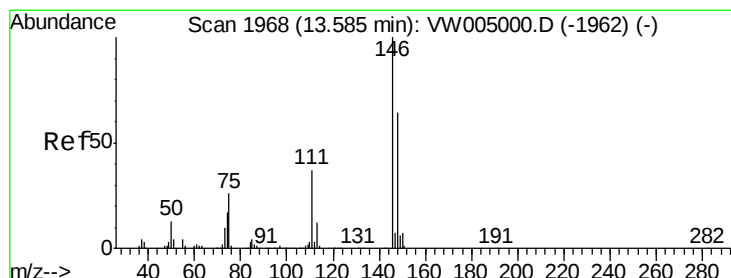
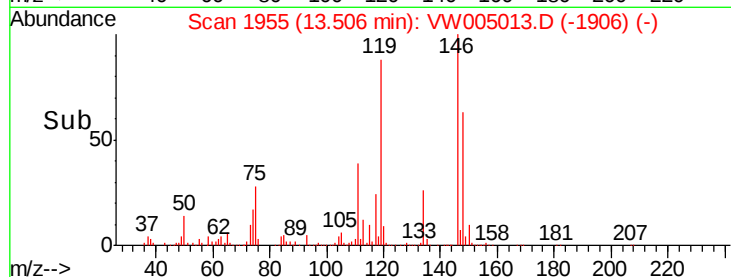
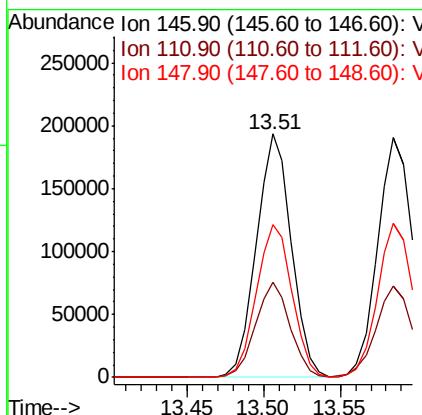
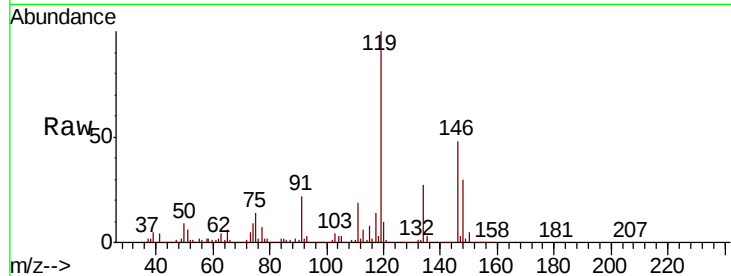




#87
 1,3-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

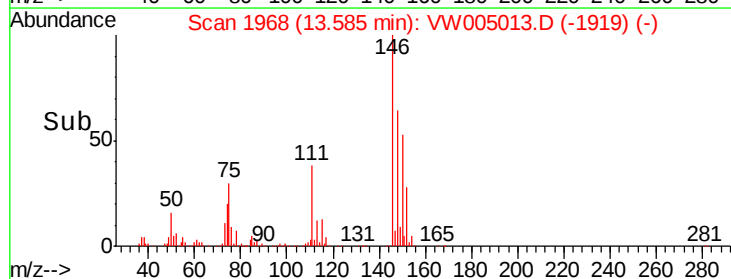
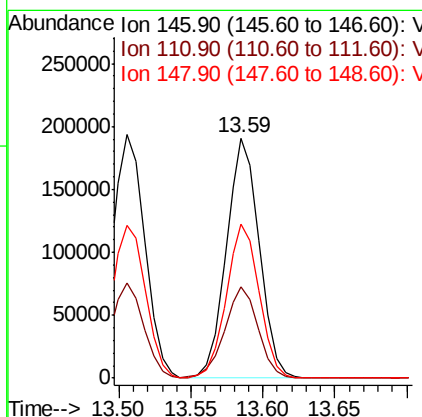
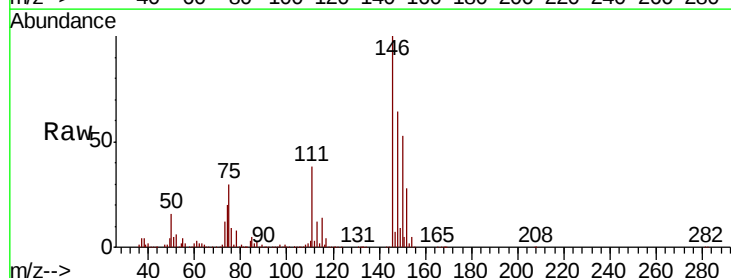
Instrument :
 MSVOA_W
 ClientSampleId :

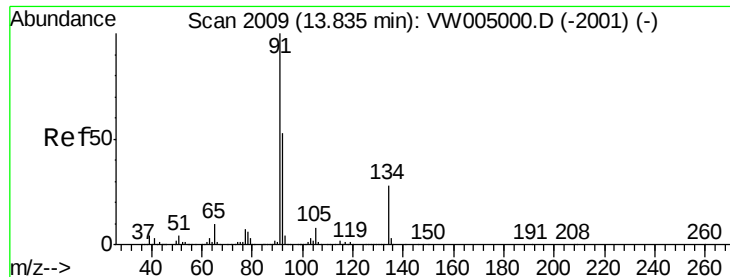
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.8
148	64.1	31.6	94.7



#88
 1,4-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.7	56.1
148	64.3	31.7	95.1





#89

n-Butylbenzene

Concen: 19.93 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

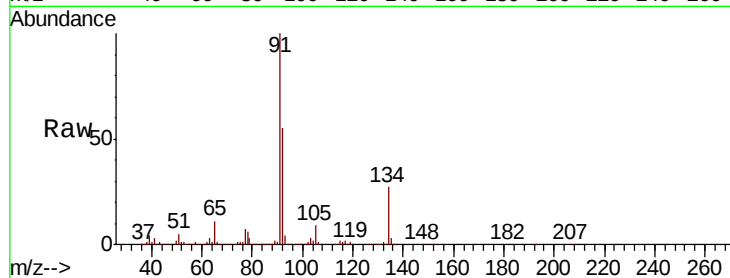
Tot Ion: 91 Resp: 536564

Ion Ratio Lower Upper

91 100

92 52.8 26.5 79.4

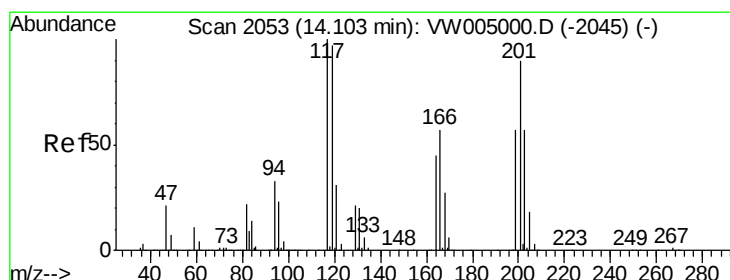
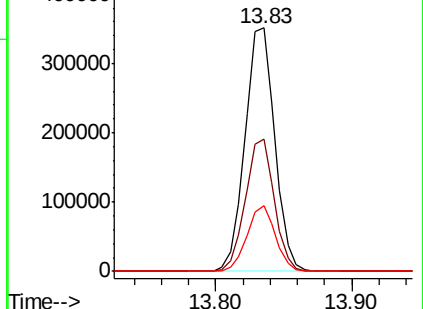
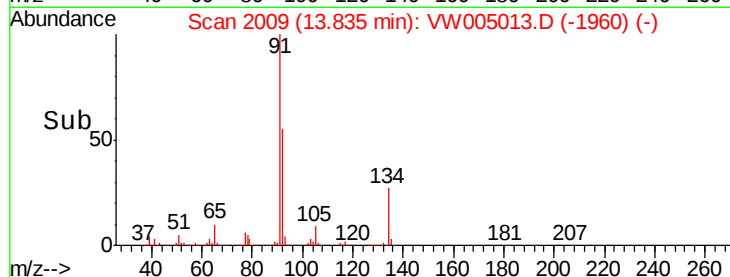
134 26.0 13.4 40.1



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: 19.05 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW005013.D

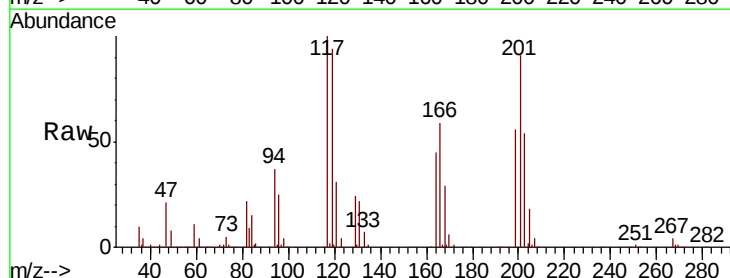
Acq: 30 Aug 2018 13:01

Tgt Ion: 117 Resp: 85889

Ion Ratio Lower Upper

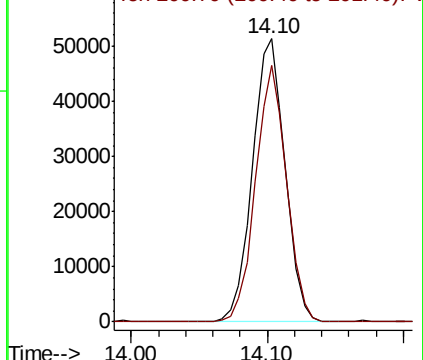
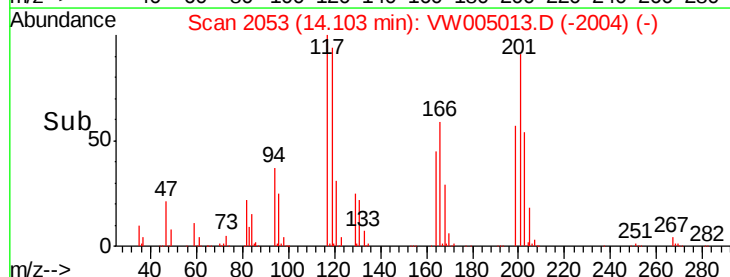
117 100

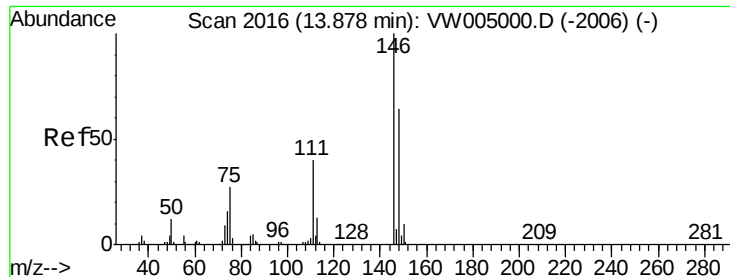
201 86.3 44.3 132.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

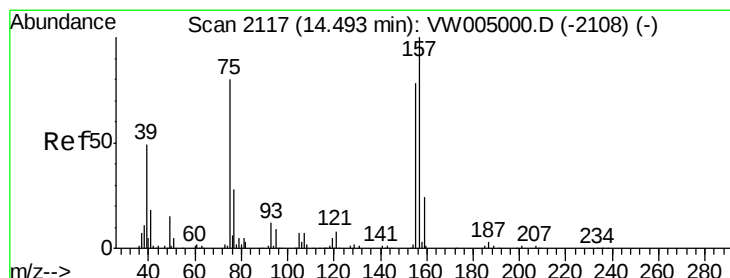
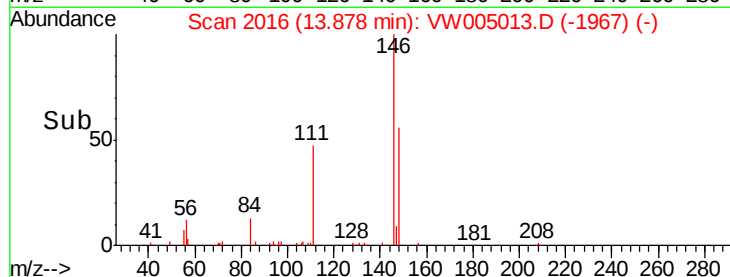
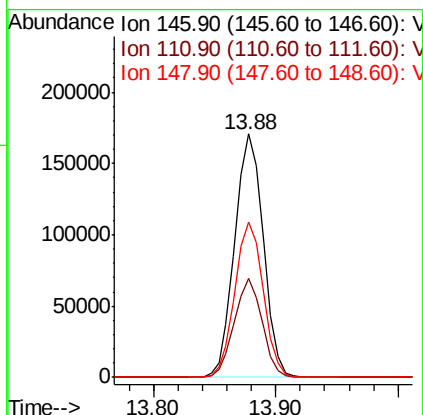
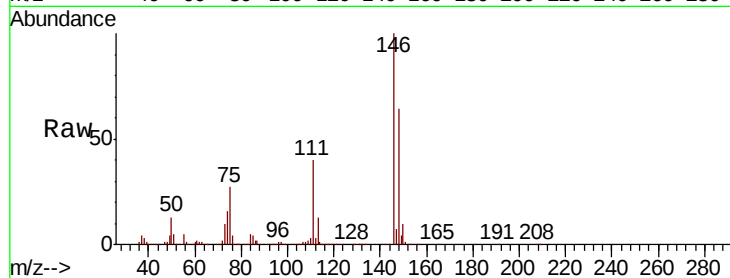




#91
 1,2-Dichlorobenzene
 Concen: 20.45 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

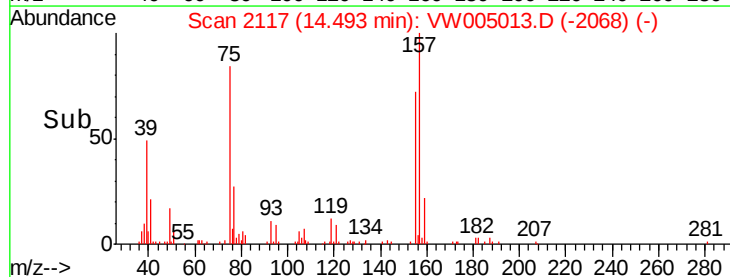
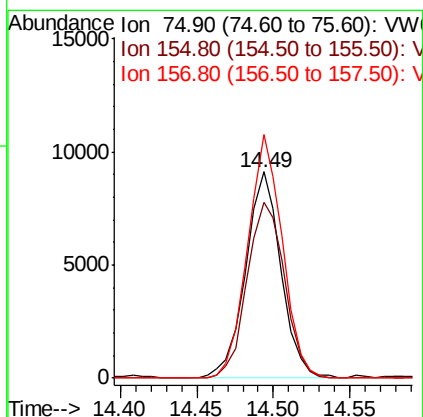
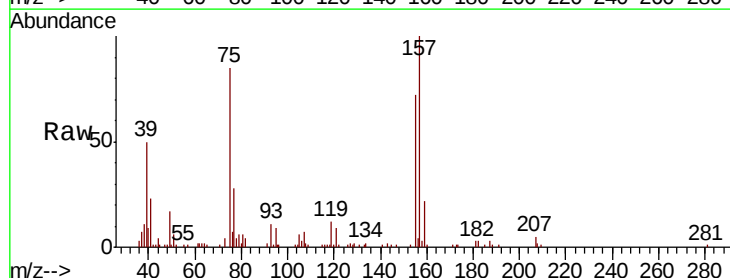
Instrument :
 MSVOA_W
 ClientSampleId :

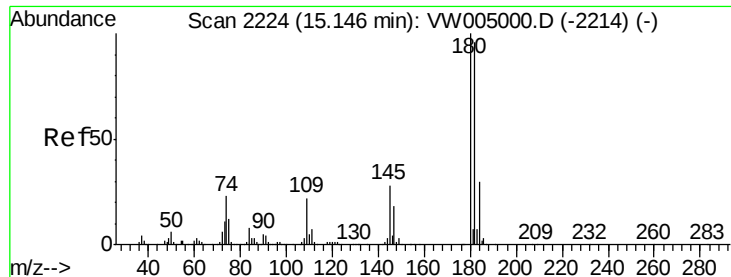
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.6	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.05 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	46.1	138.2
157	115.6	58.7	176.1

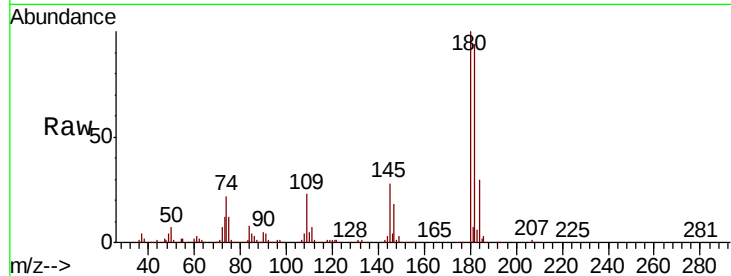




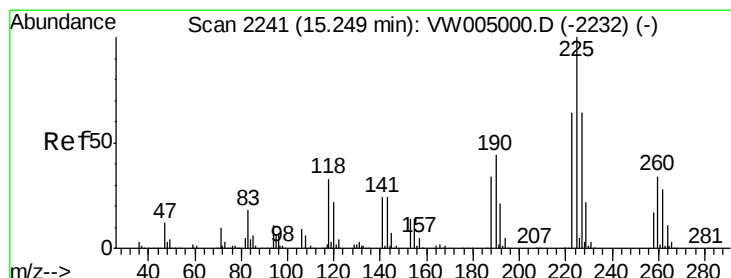
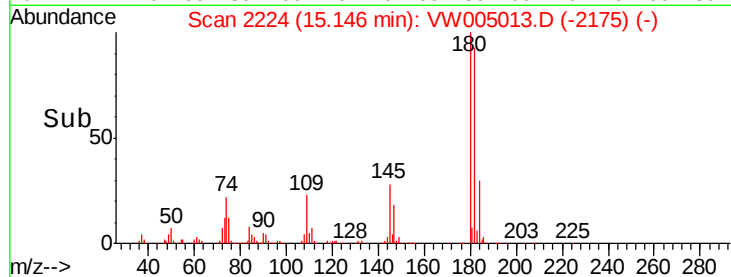
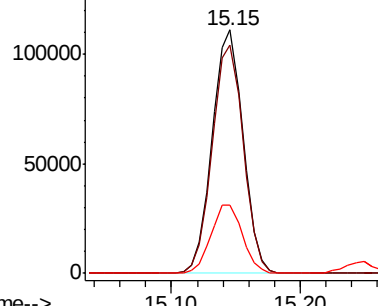
#93
 1,2,4-Trichlorobenzene
 Concen: 19.42 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.8
145	28.9	14.3	42.9

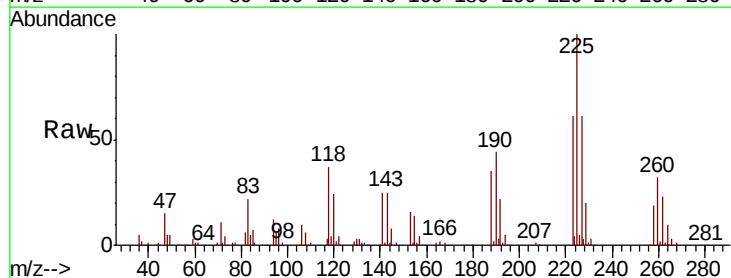


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

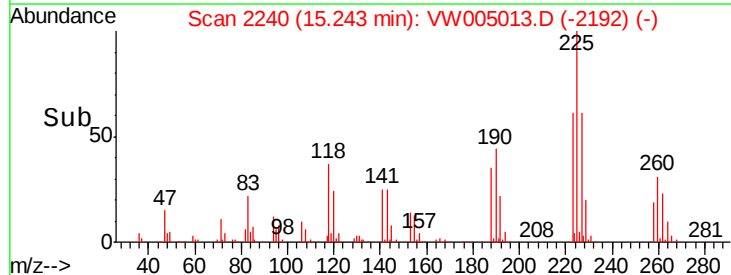
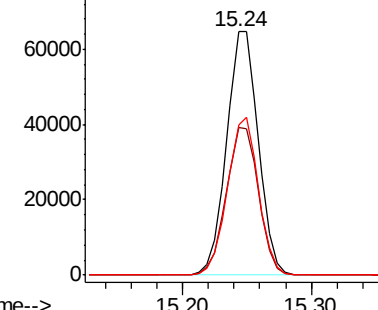


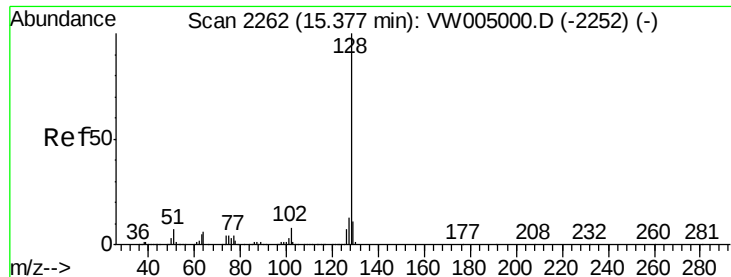
#94
 Hexachlorobutadiene
 Concen: 18.58 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW005013.D
 Acq: 30 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.0	96.0
227	63.1	31.9	95.7



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





#95

Naphthalene

Concen: 20.23 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

Instrument :

MSVOA_W

ClientSampleId :

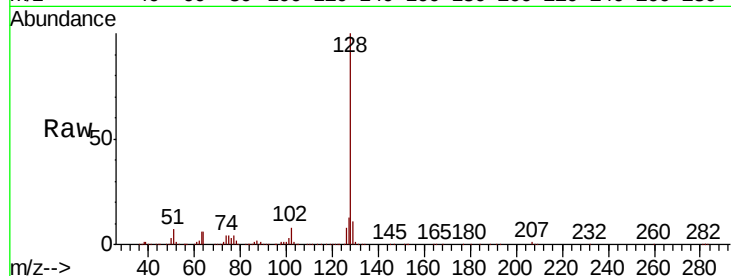
Tot Ion:128 Resp: 307422

Ion Ratio Lower Upper

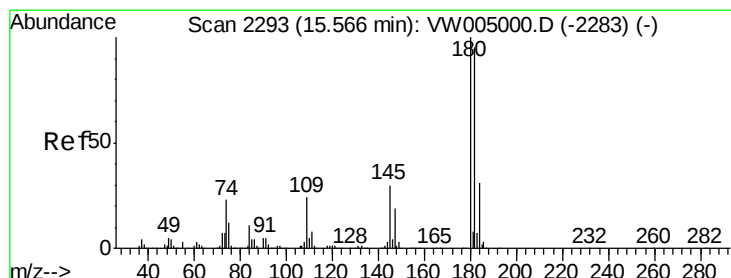
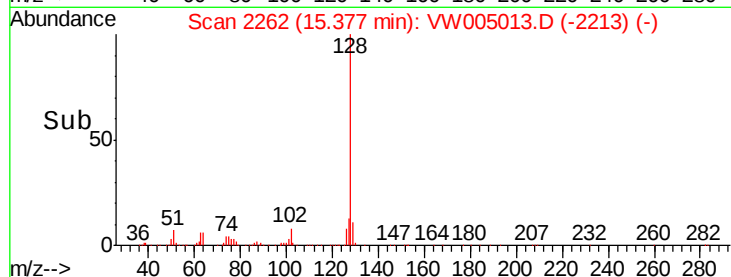
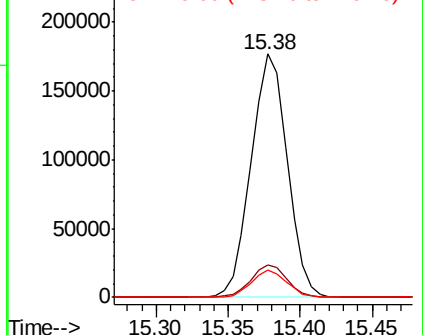
128 100

127 13.2 10.5 15.7

129 11.1 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: 19.43 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW005013.D

Acq: 30 Aug 2018 13:01

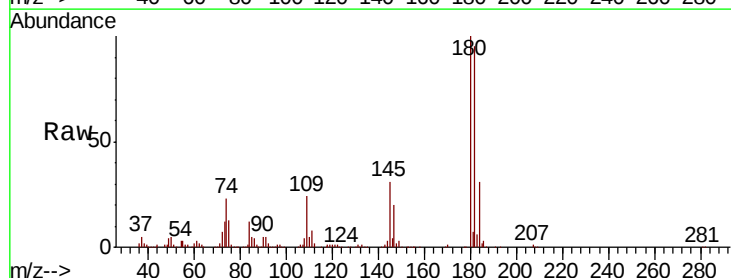
Tgt Ion:180 Resp: 161792

Ion Ratio Lower Upper

180 100

182 95.2 47.6 142.8

145 30.5 15.1 45.3



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

