

Data File : VW003249.D
Acq On : 13 Jun 2018 16:58
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Jun 14 07:53:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 07:51:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	427721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	206976	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58782	21.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.70%	
35) Dibromofluoromethane	7.88	113	52976	20.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.94%	
50) Toluene-d8	10.33	98	211117	21.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.04%	
62) 4-Bromofluorobenzene	12.63	95	73792	20.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	15337	18.95	ug/l	92
3) Chloromethane	2.21	50	42564	19.92	ug/l	96
4) Vinyl Chloride	2.36	62	62775	19.00	ug/l	97
5) Bromomethane	2.78	94	41406	17.32	ug/l	99
6) Chloroethane	2.92	64	44487	17.81	ug/l	98
7) Trichlorofluoromethane	3.25	101	40233	21.75	ug/l	94
8) Diethyl Ether	3.68	74	26105	17.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54287	21.79	ug/l	98
10) Methyl Iodide	4.26	142	79166	19.37	ug/l	97
11) Tert butyl alcohol	5.24	59	7348	40.77	ug/l #	61
12) 1,1-Dichloroethene	4.03	96	50903	20.29	ug/l	99
13) Acrolein	3.90	56	24217	128.78	ug/l	97
14) Allyl chloride	4.66	41	87872	21.11	ug/l	99
15) Acrylonitrile	5.38	53	54407	95.97	ug/l	97
16) Acetone	4.14	43	58873	107.10	ug/l	99
17) Carbon Disulfide	4.37	76	149425	19.74	ug/l	99
18) Methyl Acetate	4.68	43	27133	19.17	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	93055	19.72	ug/l	100
20) Methylene Chloride	4.92	84	61491	22.11	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	56267	20.58	ug/l	86
22) Diisopropyl ether	6.31	45	174701	20.59	ug/l	96
23) Vinyl Acetate	6.26	43	500933	100.30	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106044	21.21	ug/l	99
25) 2-Butanone	7.18	43	74362	98.63	ug/l	100
26) 2,2-Dichloropropane	7.17	77	71153	23.08	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60037	20.00	ug/l	97
28) Bromochloromethane	7.51	49	39797	19.72	ug/l	99
29) Tetrahydrofuran	7.54	42	45683	93.95	ug/l	99
30) Chloroform	7.68	83	106615	20.74	ug/l	100
31) Cyclohexane	7.96	56	97363	20.62	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	88175	21.18	ug/l	99
36) 1,1-Dichloropropene	8.09	75	86208	21.45	ug/l	99
37) Ethyl Acetate	7.26	43	34746	19.67	ug/l	99
38) Carbon Tetrachloride	8.07	117	84107	21.44	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99236	20.84	ug/l	97
40) Benzene	8.33	78	233086	20.71	ug/l	99
41) Methacrylonitrile	7.49	41	22027	21.74	ug/l	97
42) 1,2-Dichloroethane	8.40	62	71920	20.55	ug/l	100
43) Isopropyl Acetate	8.43	43	65103	19.06	ug/l	99
44) Trichloroethene	9.10	130	60722	20.05	ug/l	100
45) 1,2-Dichloropropane	9.38	63	57385	20.31	ug/l	96
46) Dibromomethane	9.46	93	30857	20.43	ug/l	98
47) Bromodichloromethane	9.65	83	76112	20.63	ug/l	99
48) Methyl methacrylate	9.44	41	31958	19.68	ug/l	97
49) 1,4-Dioxane	9.49	88	8618	368.15	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	170804	98.38	ug/l	100
52) Toluene	10.39	92	149482	20.70	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	75772	19.95	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	88647	20.52	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41529	19.90	ug/l	96
56) Ethyl methacrylate	10.65	69	49484	19.13	ug/l	99
57) 1,3-Dichloropropane	10.94	76	73322	20.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	115040	97.50	ug/l	99
59) 2-Hexanone	10.98	43	118403	100.21	ug/l	100
60) Dibromochloromethane	11.13	129	49101	19.56	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39554	19.67	ug/l	98
64) Tetrachloroethene	10.87	164	54069	19.89	ug/l	97
65) Chlorobenzene	11.66	112	162940	20.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	57315	20.81	ug/l	100
67) Ethyl Benzene	11.74	91	293969	21.06	ug/l	98
68) m/p-Xylenes	11.85	106	223440	41.86	ug/l	100
69) o-Xylene	12.17	106	102734	20.41	ug/l	100
70) Styrene	12.19	104	170900	20.34	ug/l	100
71) Bromoform	12.35	173	29274	19.89	ug/l #	100
73) Isopropylbenzene	12.47	105	291052	20.31	ug/l	100
74) N-amyl acetate	12.28	43	63517	19.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	47574	19.49	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	65517	35.69	ug/l #	100
77) Bromobenzene	12.76	156	68494	20.28	ug/l	97
78) n-propylbenzene	12.81	91	363898	21.27	ug/l	100
79) 2-Chlorotoluene	12.90	91	203746	20.96	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	250224	20.94	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	15286	21.12	ug/l	98
82) 4-Chlorotoluene	13.00	91	216384	20.85	ug/l	99
83) tert-Butylbenzene	13.21	119	209048	19.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	256804	20.81	ug/l	100
85) sec-Butylbenzene	13.40	105	317067	21.22	ug/l	100
86) p-Isopropyltoluene	13.51	119	278626	20.86	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	139830	20.56	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	136816	20.14	ug/l	97
89) n-Butylbenzene	13.83	91	272233	21.54	ug/l	100
90) Hexachloroethane	14.10	117	49556	20.89	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	122719	20.27	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7949	18.96	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061318\
Quantitation Report (Not Reviewed)

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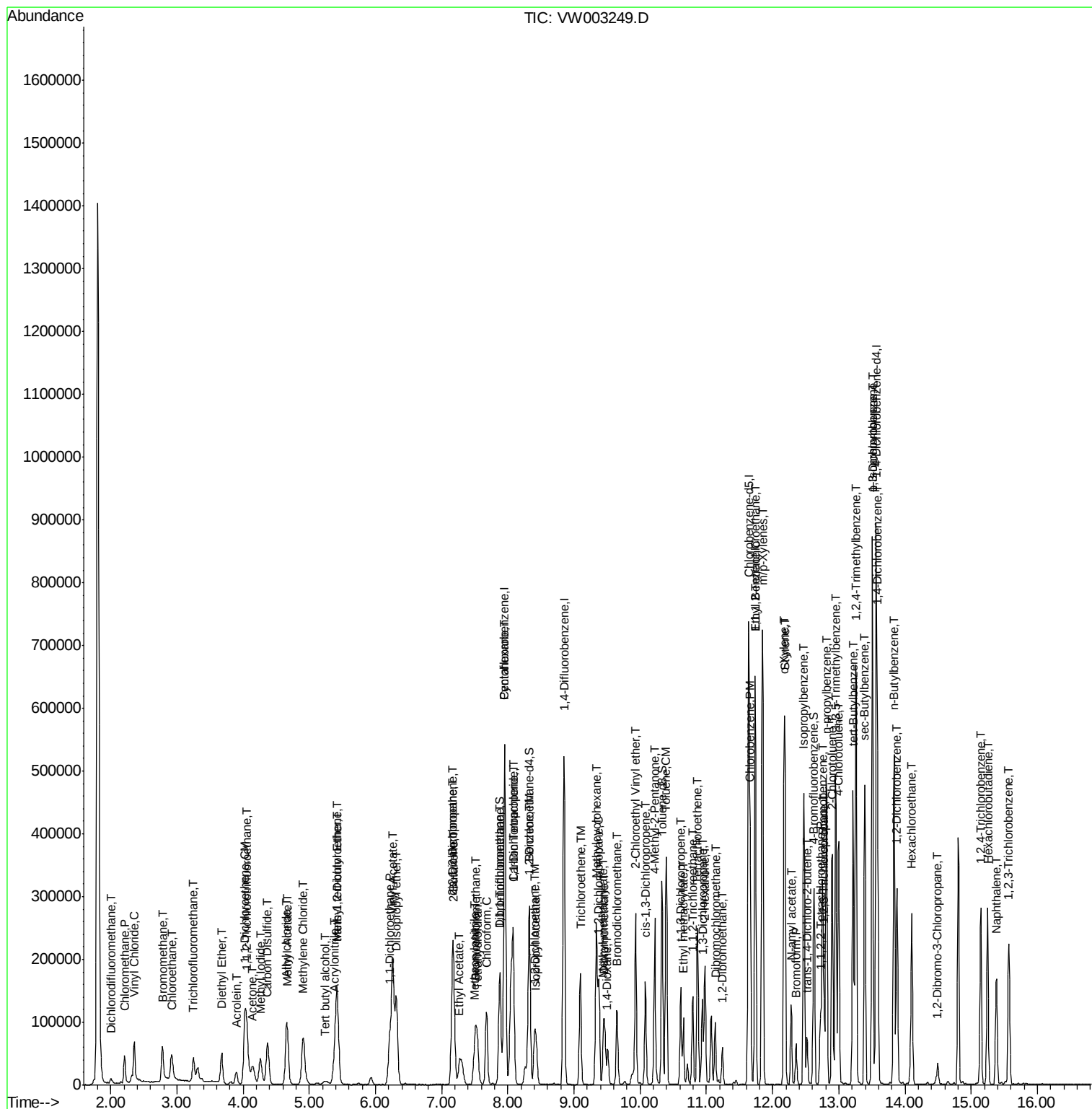
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	86436	20.05	ug/l	99
94) Hexachlorobutadiene	15.25	225	53314	21.10	ug/l	99
95) Naphthalene	15.38	128	141598	18.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	76649	20.20	ug/l	98

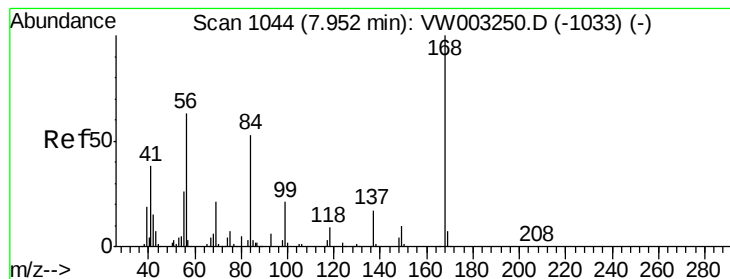
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

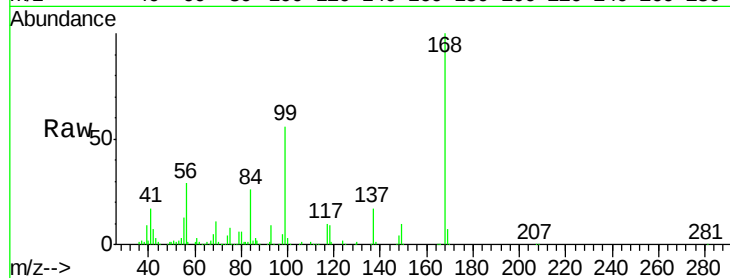
VSTDIC020

Tgt Ion:168 Resp: 278751

Ion Ratio Lower Upper

168 100

99 56.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

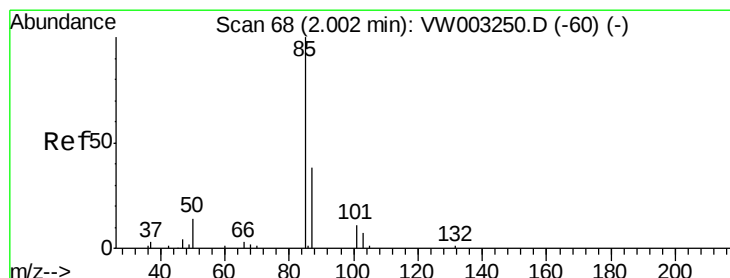
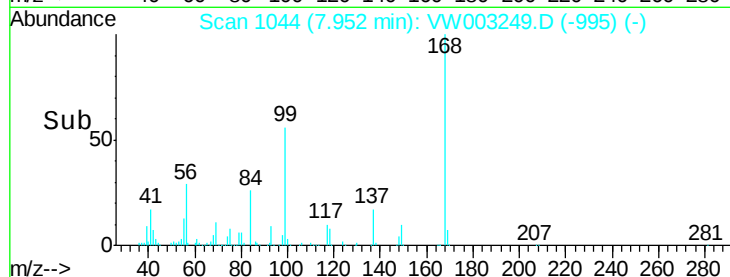
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.95 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003249.D

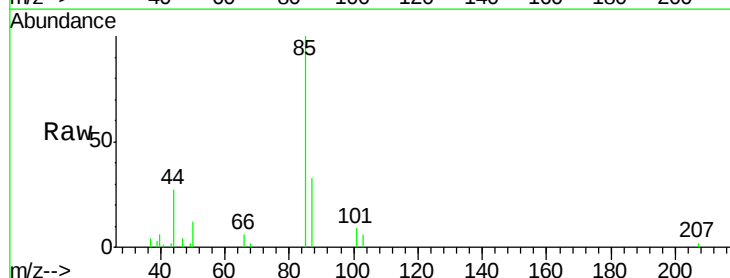
Acq: 13 Jun 2018 16:58

Tgt Ion: 85 Resp: 15337

Ion Ratio Lower Upper

85 100

87 32.9 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

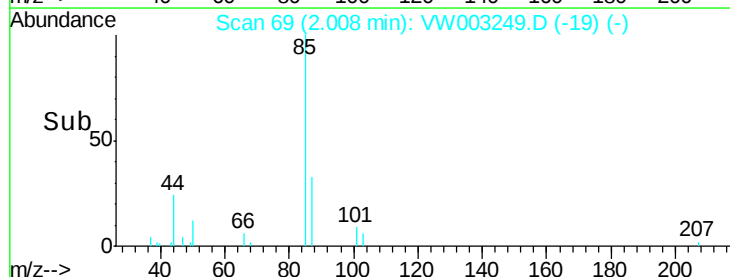
2000

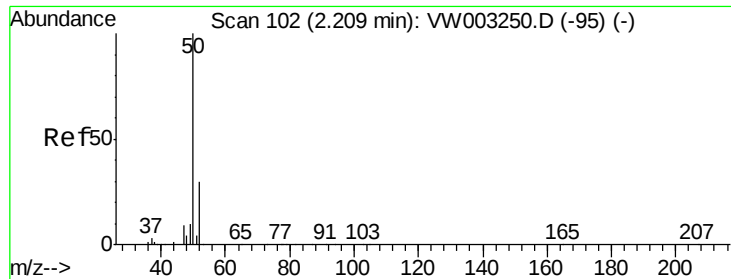
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.92 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

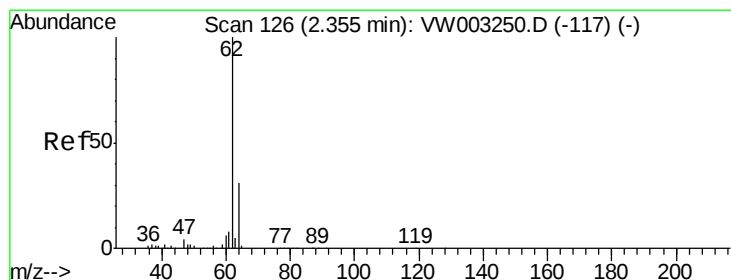
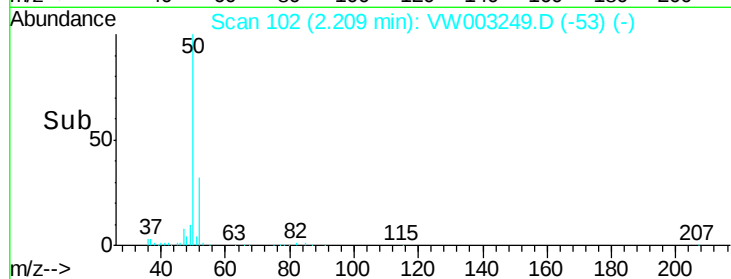
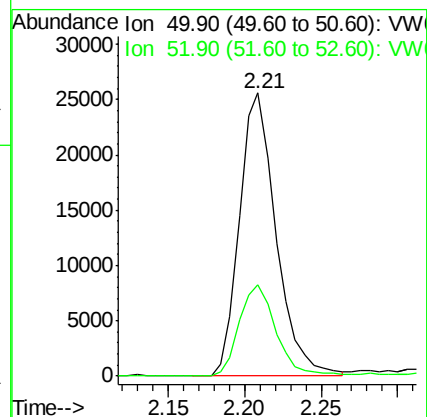
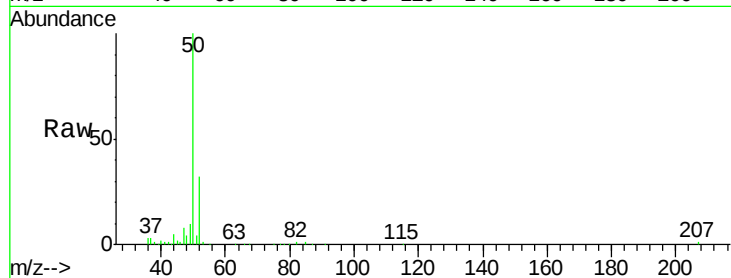
VSTDIC020

Tgt Ion: 50 Resp: 42564

Ion Ratio Lower Upper

50 100

52 32.5 24.2 36.2



#4

Vinyl Chloride

Concen: 19.00 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003249.D

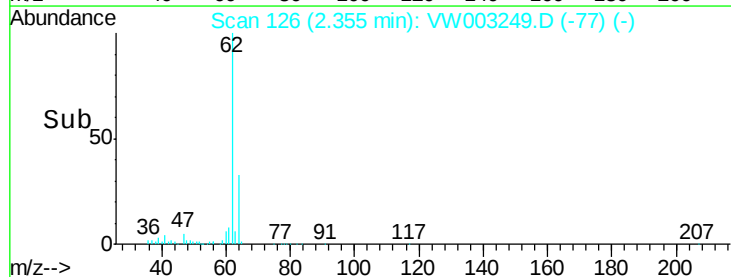
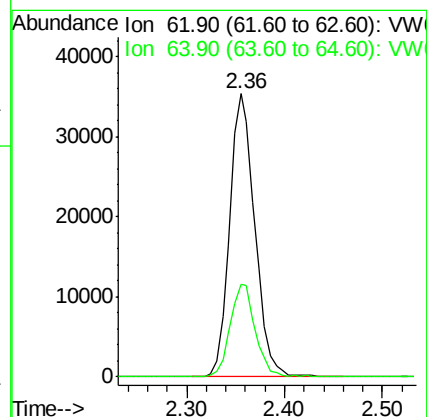
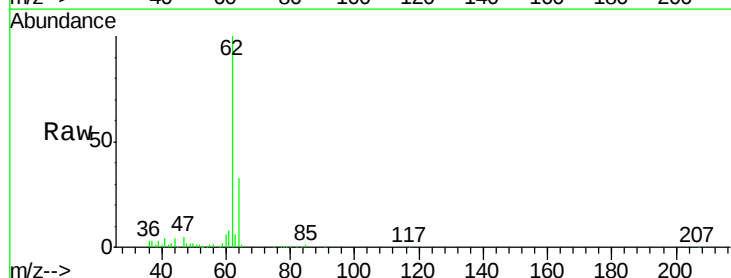
Acq: 13 Jun 2018 16:58

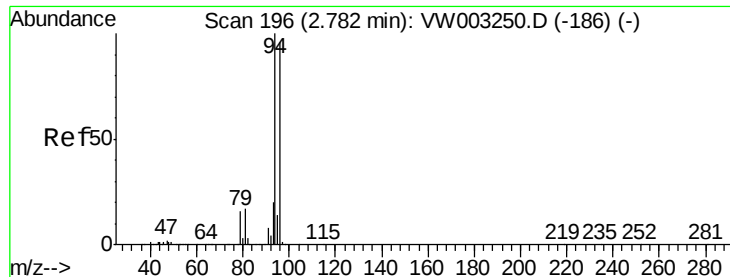
Tgt Ion: 62 Resp: 62775

Ion Ratio Lower Upper

62 100

64 32.7 24.9 37.3





#5

Bromomethane

Concen: 17.32 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

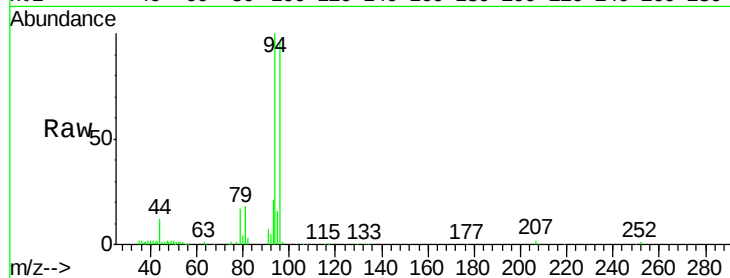
VSTDIC020

Tgt Ion: 94 Resp: 41406

Ion Ratio Lower Upper

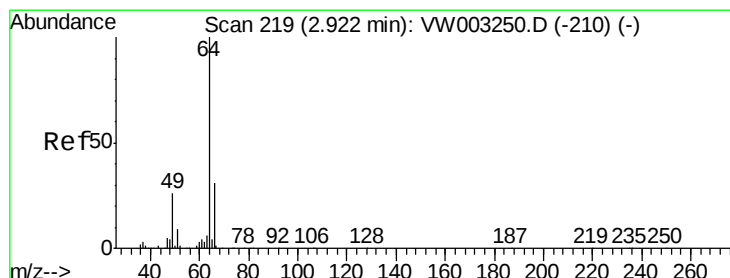
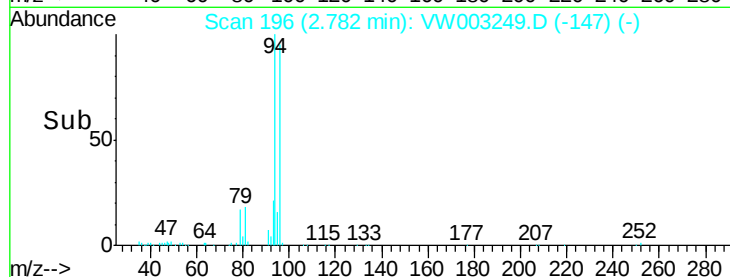
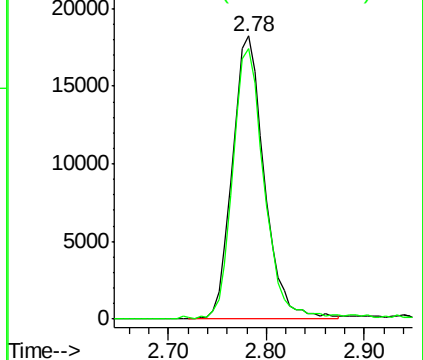
94 100

96 94.9 76.5 114.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 17.81 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW003249.D

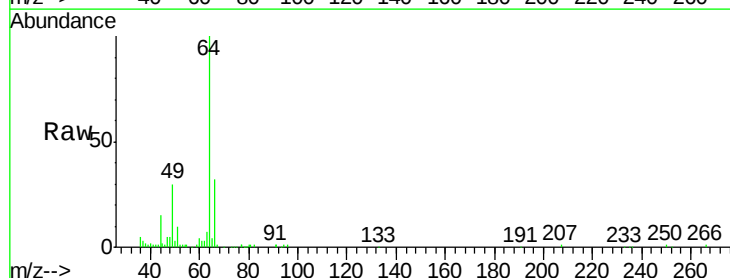
Acq: 13 Jun 2018 16:58

Tgt Ion: 64 Resp: 44487

Ion Ratio Lower Upper

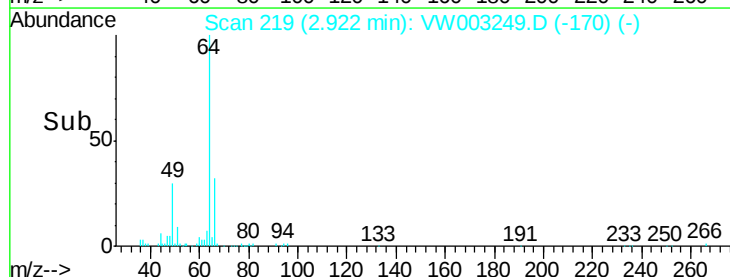
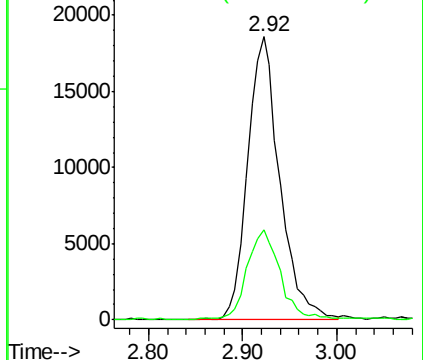
64 100

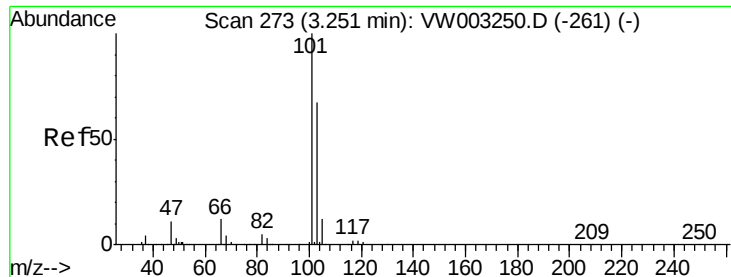
66 31.7 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



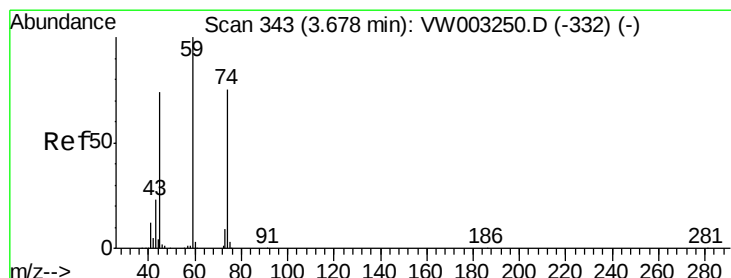
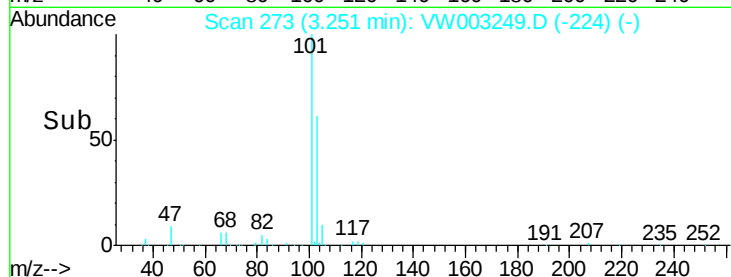
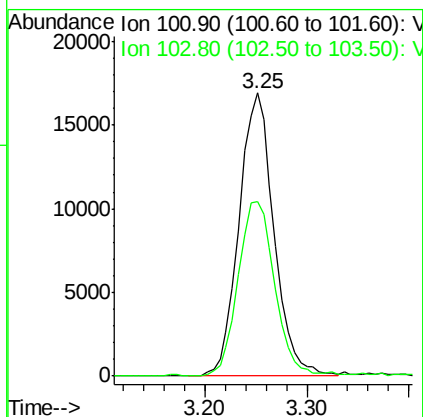
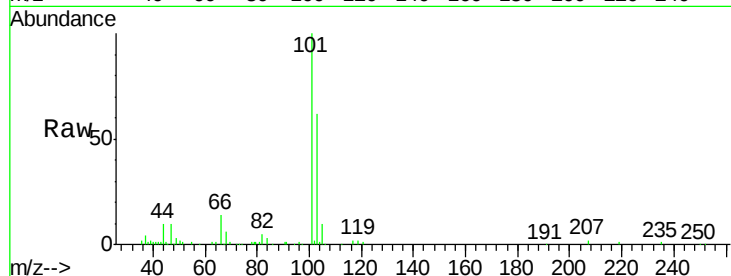


#7

Trichlorofluoromethane
 Concen: 21.75 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. -0.00 min
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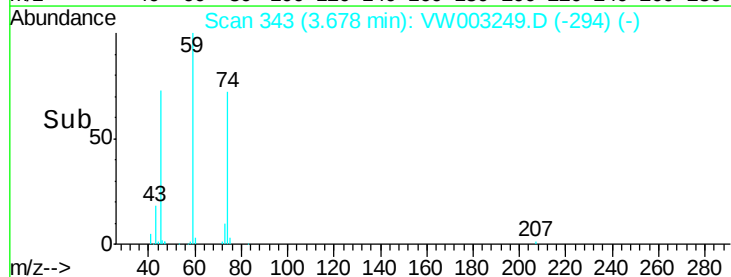
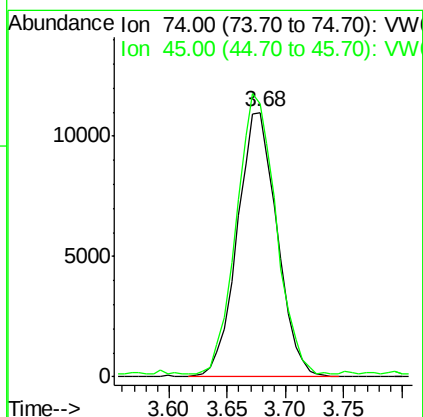
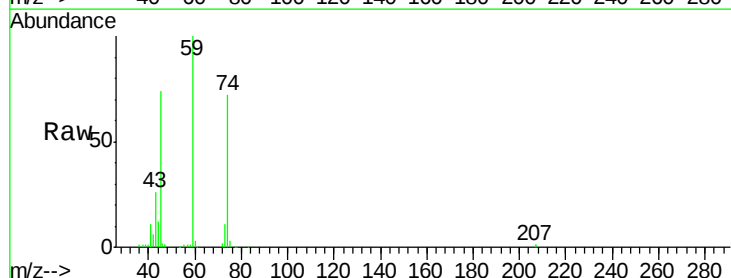
Tgt Ion: 101 Resp: 40233
 Ion Ratio Lower Upper
 101 100
 103 61.8 53.4 80.0

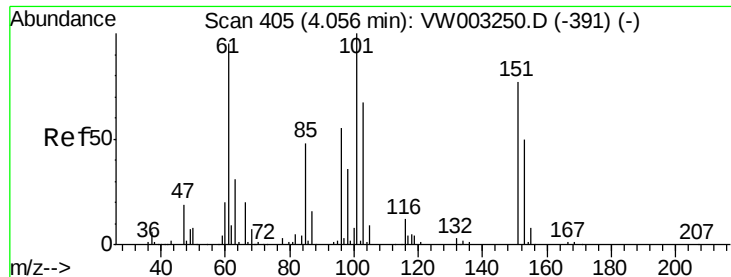


#8

Diethyl Ether
 Concen: 17.82 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VW003249.D
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Tgt Ion: 74 Resp: 26105
 Ion Ratio Lower Upper
 74 100
 45 105.7 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.79 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003249.D

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Instrument :

MSVOA_W

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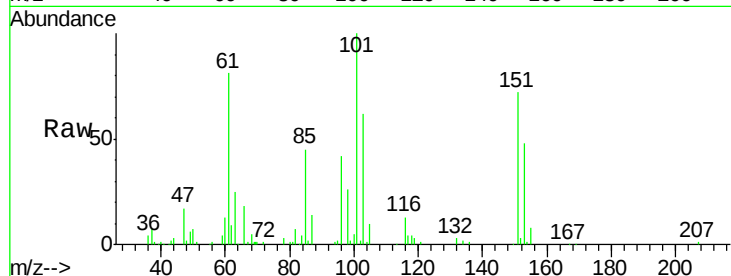
Tgt Ion:101 Resp: 54287

Ion Ratio Lower Upper

101 100

85 46.7 37.0 55.6

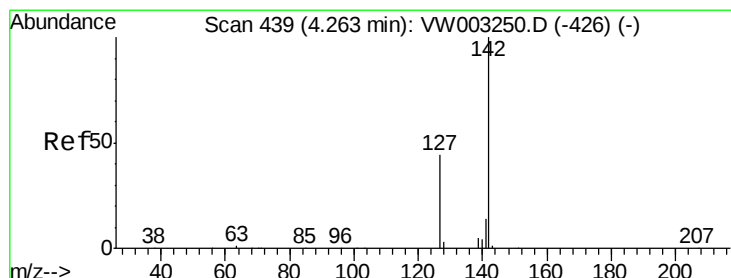
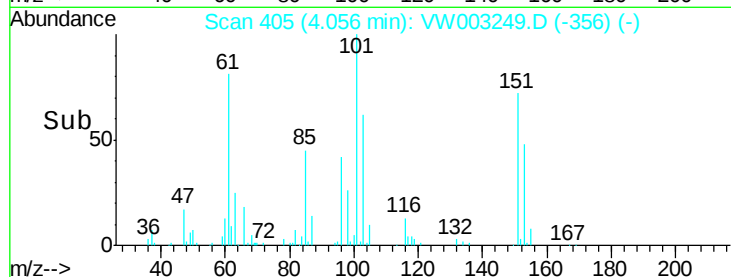
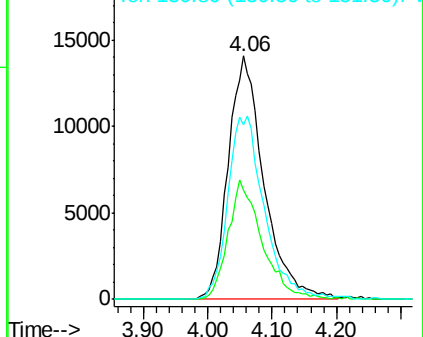
151 76.6 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.37 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

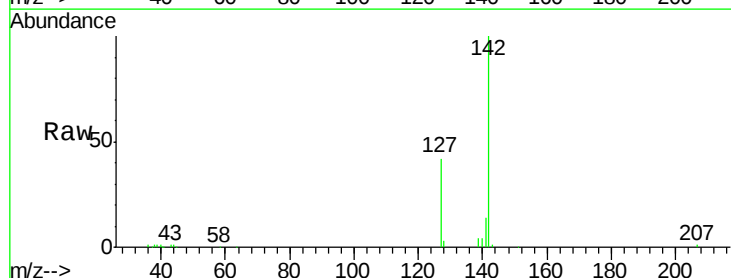
Tgt Ion:142 Resp: 79166

Ion Ratio Lower Upper

142 100

127 43.6 36.5 54.7

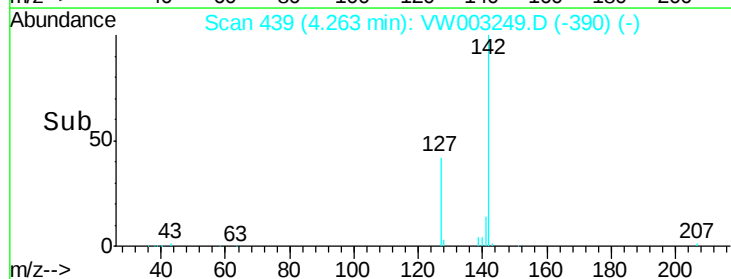
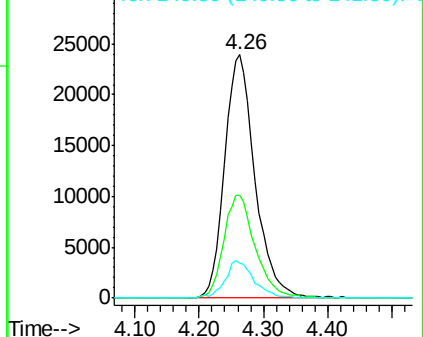
141 14.6 12.1 18.1

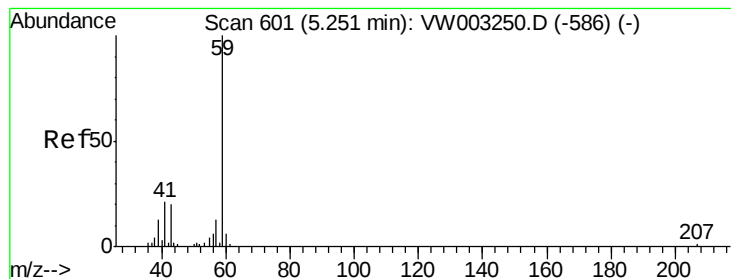


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 40.77 ug/l

RT: 5.24 min Scan# 600

Delta R.T. -0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

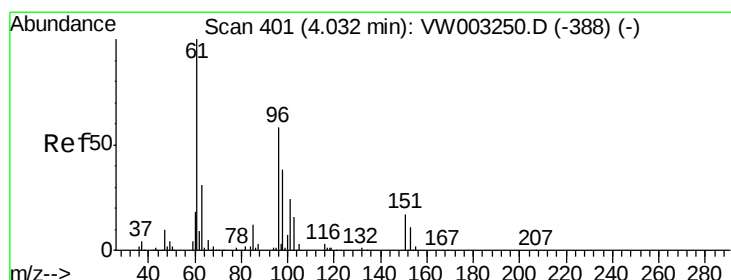
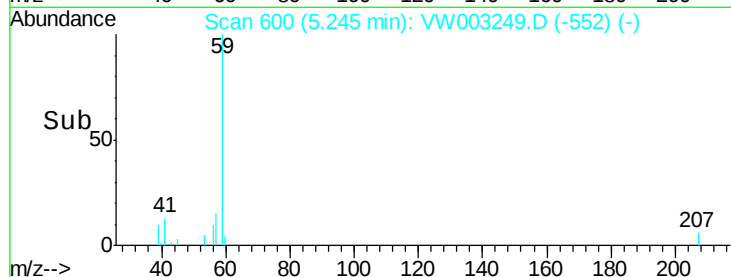
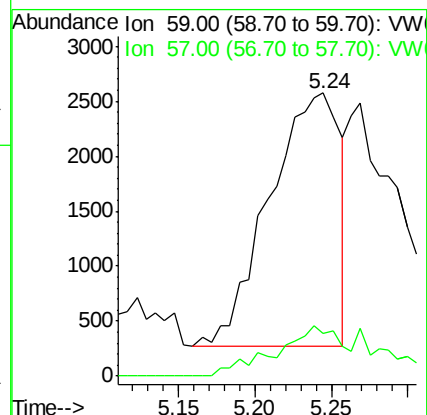
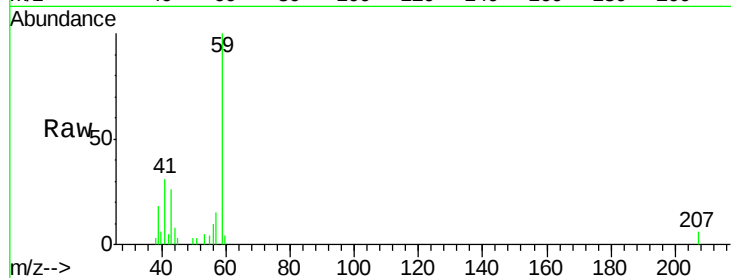
VSTDIC020

Tgt Ion: 59 Resp: 7348

Ion Ratio Lower Upper

59 100

57 18.3 4.2 6.2#



#12

1,1-Dichloroethene

Concen: 20.29 ug/l

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

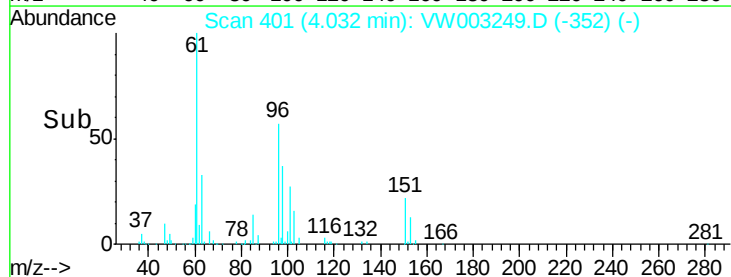
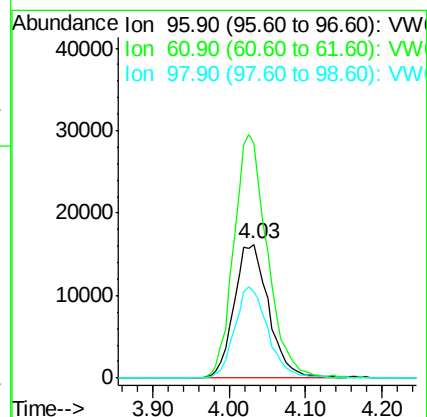
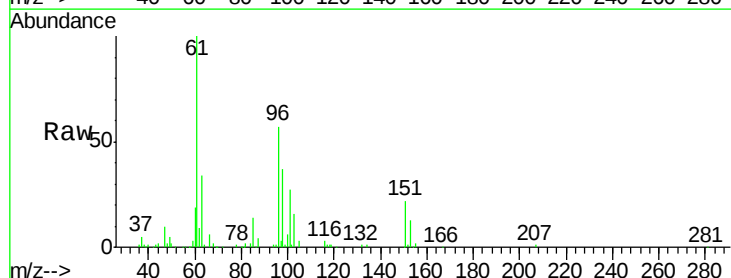
Tgt Ion: 96 Resp: 50903

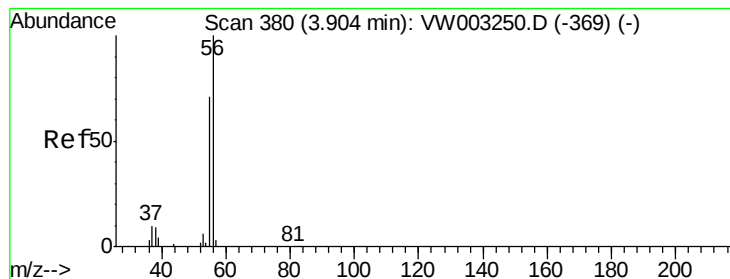
Ion Ratio Lower Upper

96 100

61 174.6 139.0 208.4

98 64.5 53.3 79.9





#13

Acrolein

Concen: 128.78 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

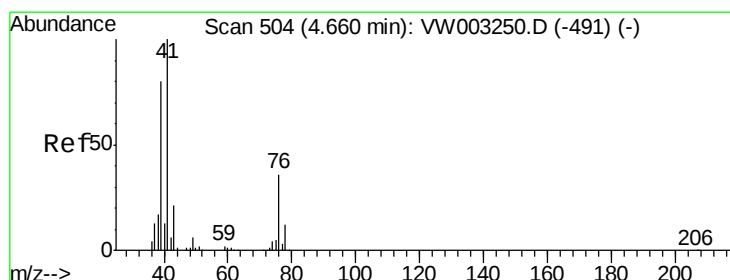
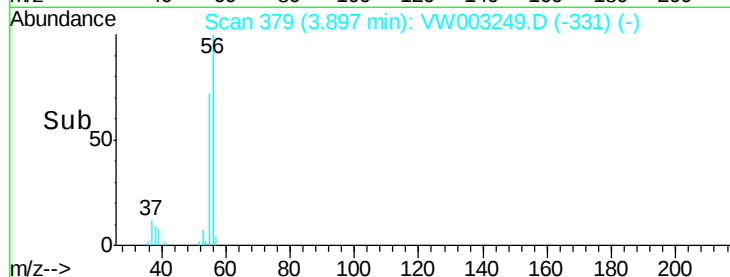
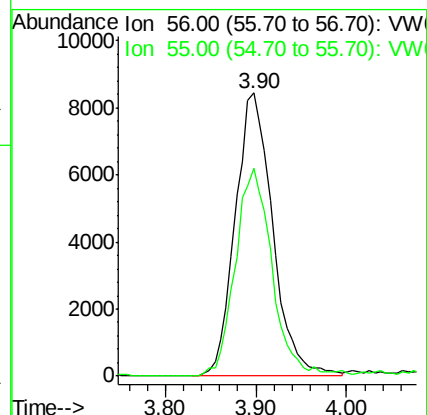
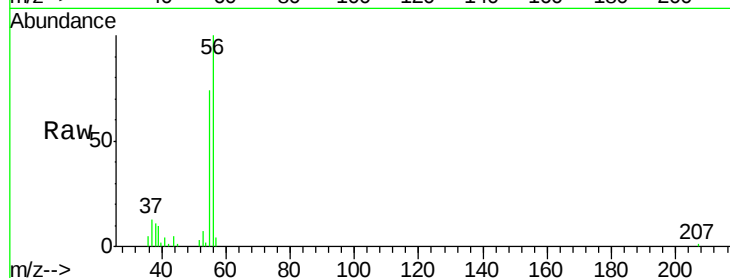
VSTDIC020

Tgt Ion: 56 Resp: 24217

Ion Ratio Lower Upper

56 100

55 71.4 55.4 83.2



#14

Allyl chloride

Concen: 21.11 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

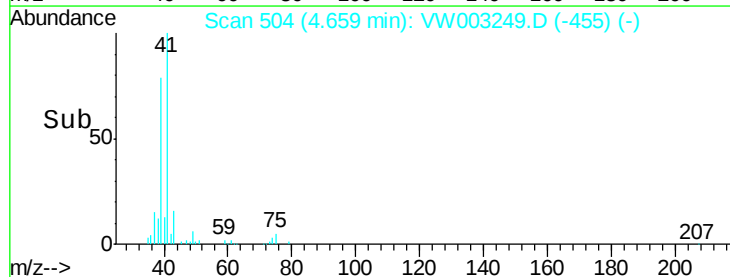
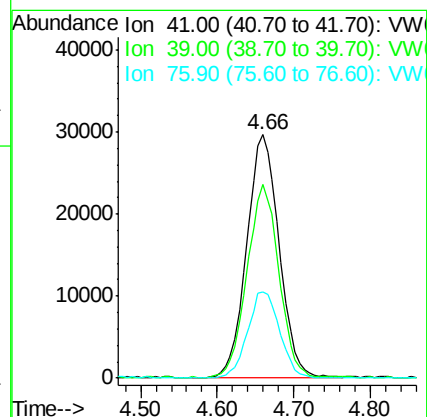
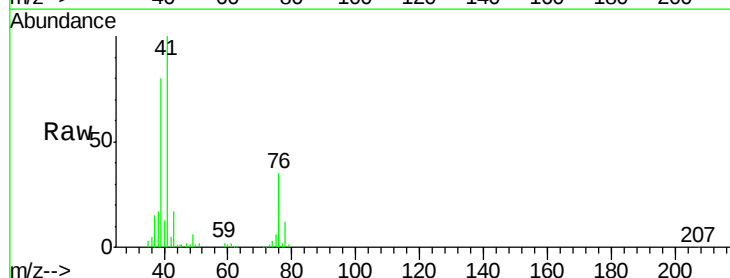
Tgt Ion: 41 Resp: 87872

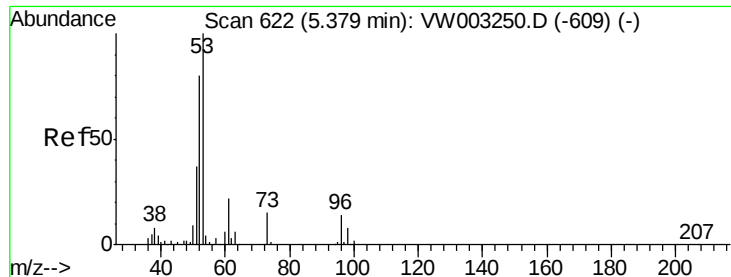
Ion Ratio Lower Upper

41 100

39 77.5 63.2 94.8

76 34.8 28.0 42.0





#15

Acrylonitrile

Concen: 95.97 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

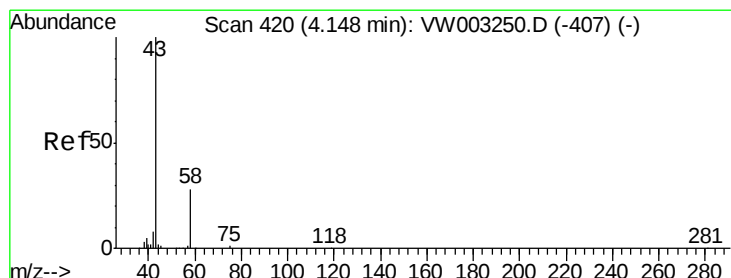
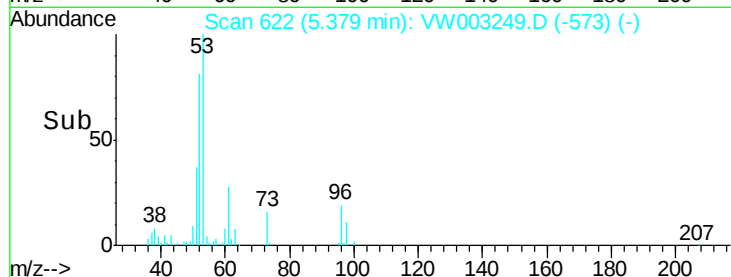
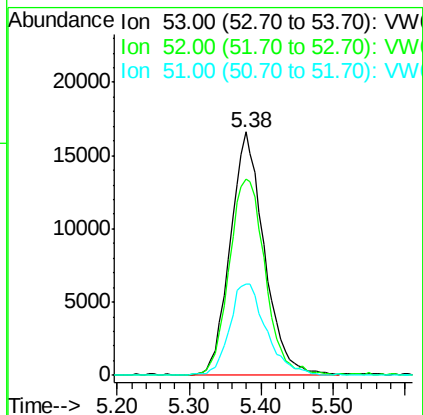
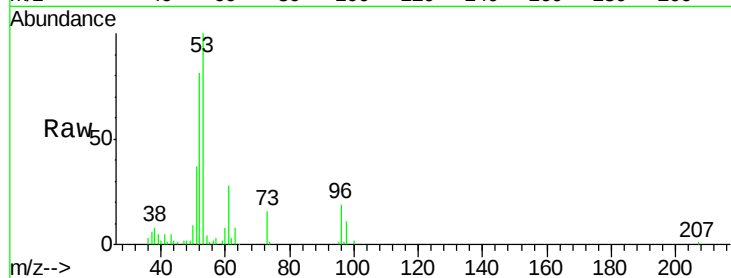
Tgt Ion: 53 Resp: 54407

Ion Ratio Lower Upper

53 100

52 85.5 66.6 100.0

51 40.7 30.6 46.0



#16

Acetone

Concen: 107.10 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003249.D

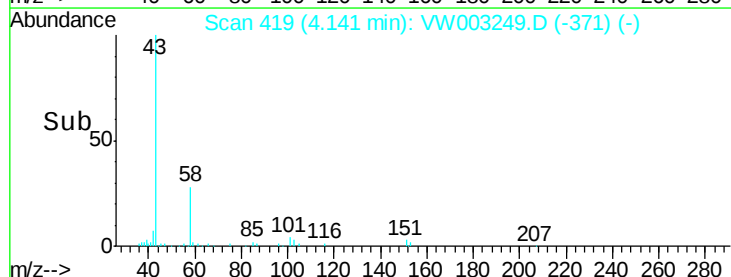
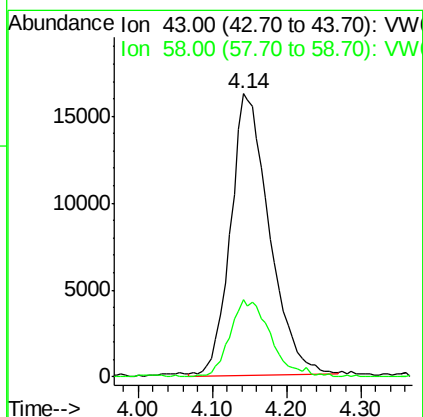
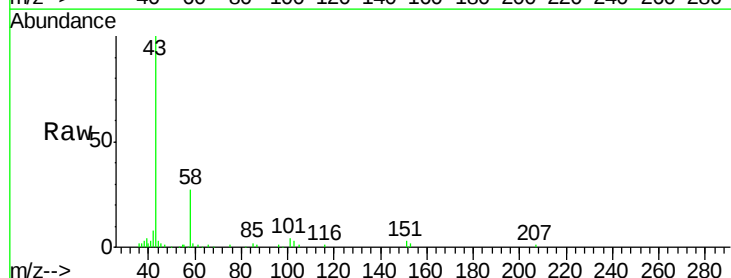
Acq: 13 Jun 2018 16:58

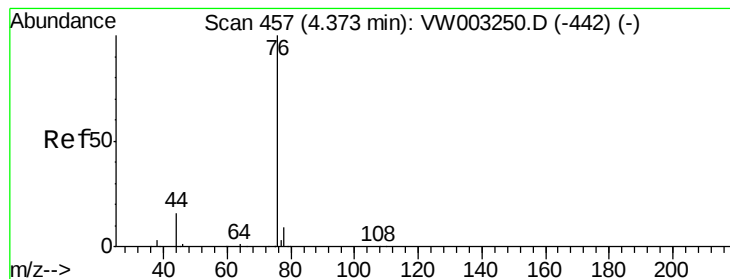
Tgt Ion: 43 Resp: 58873

Ion Ratio Lower Upper

43 100

58 27.7 22.6 34.0





#17

Carbon Disulfide

Concen: 19.74 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

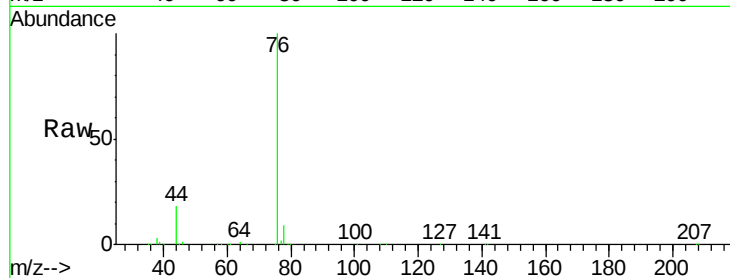
VSTDIC020

Tgt Ion: 76 Resp: 149425

Ion Ratio Lower Upper

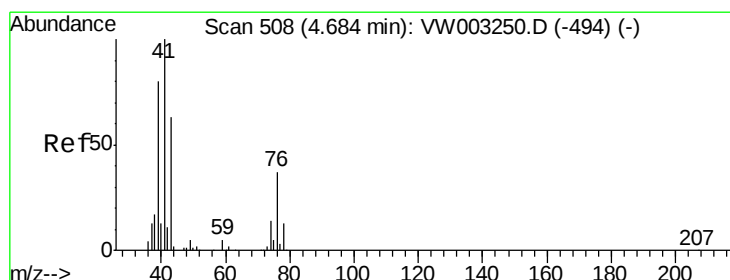
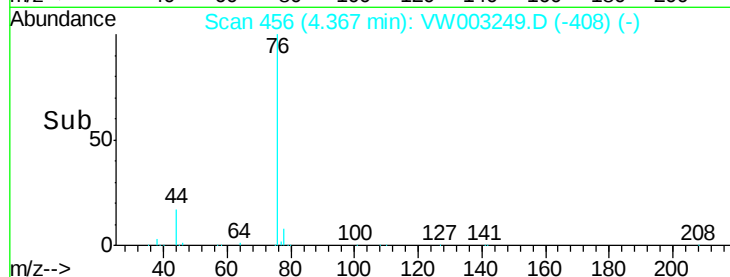
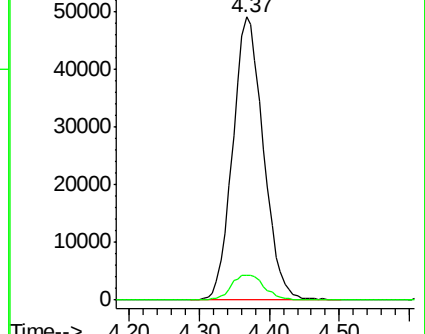
76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.17 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003249.D

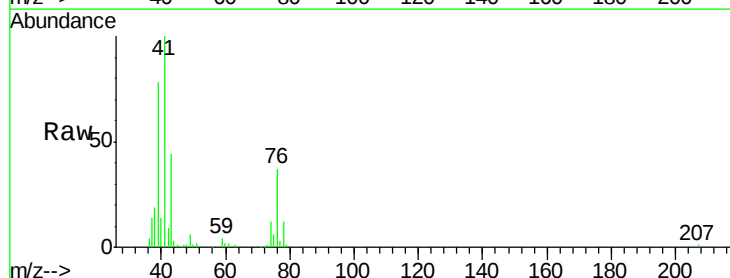
Acq: 13 Jun 2018 16:58

Tgt Ion: 43 Resp: 27133

Ion Ratio Lower Upper

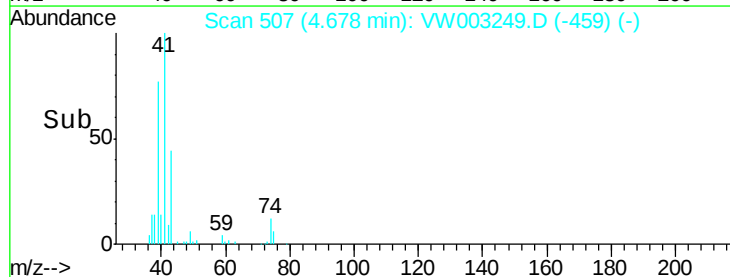
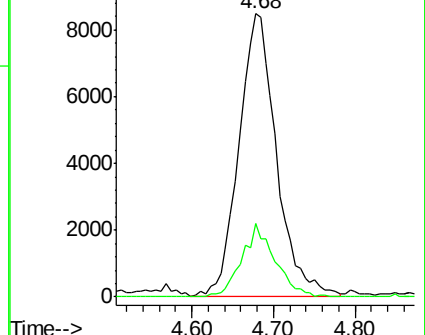
43 100

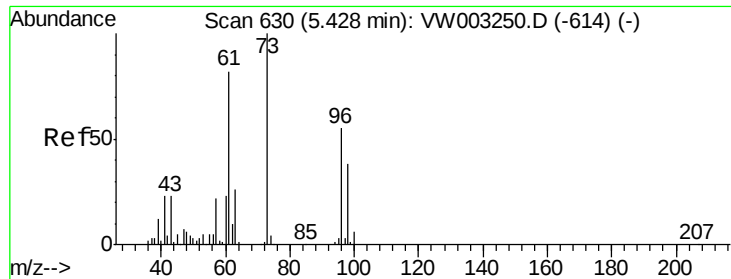
74 22.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

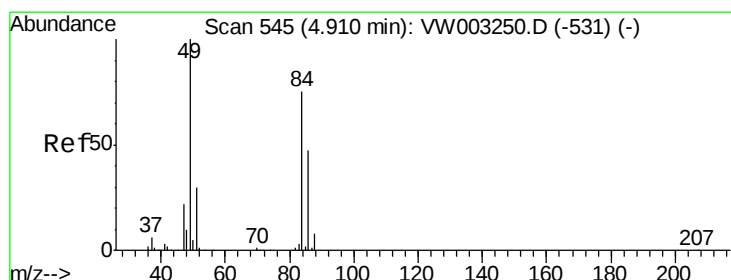
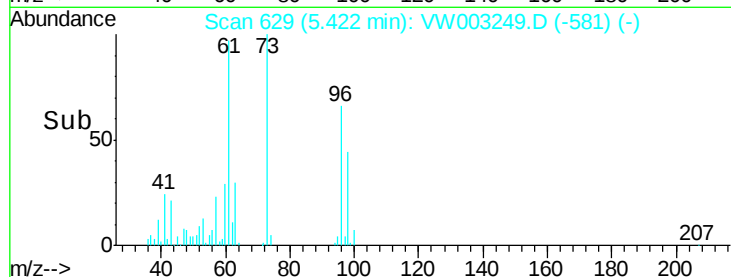
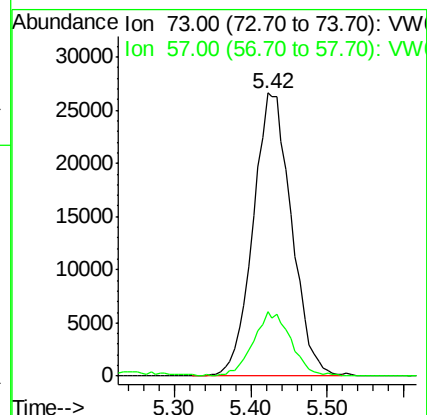
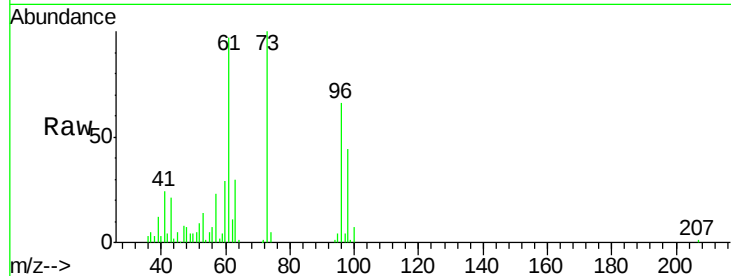




#19
Methyl tert-butyl Ether
Concen: 19.72 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

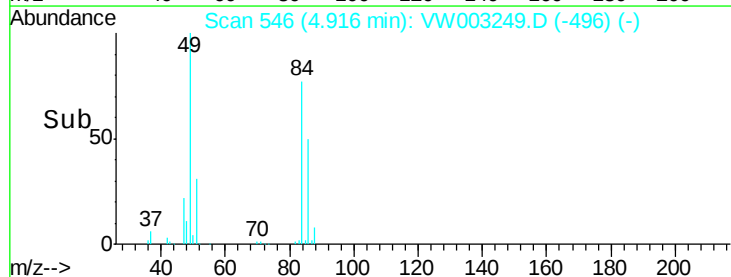
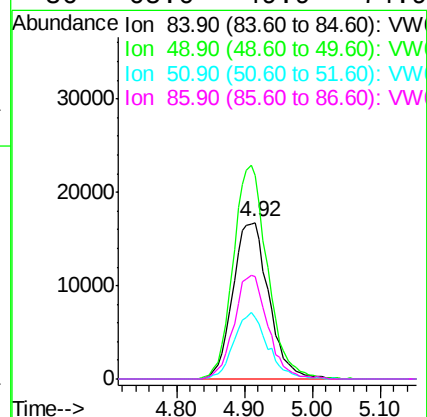
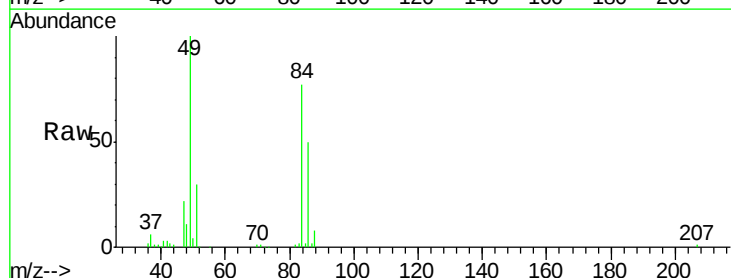
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

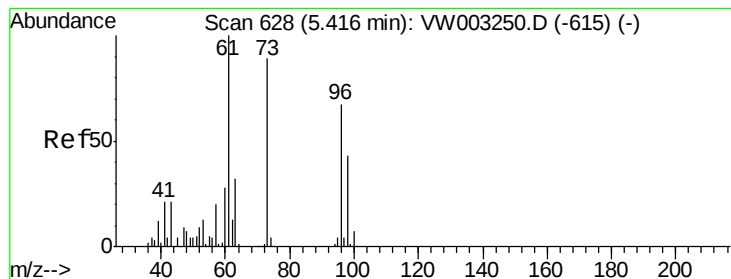
Tgt Ion: 73 Resp: 93055
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0



#20
Methylene Chloride
Concen: 22.11 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion: 84 Resp: 61491
Ion Ratio Lower Upper
84 100
49 129.9 106.3 159.5
51 39.6 32.0 48.0
86 65.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.58 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

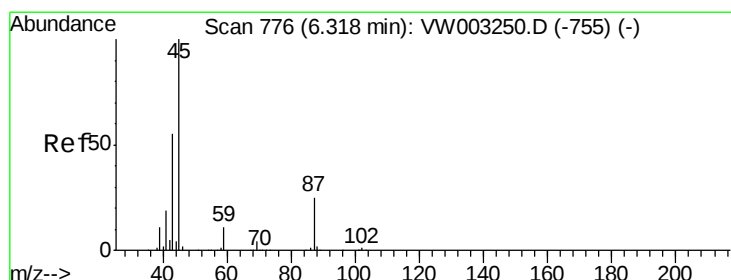
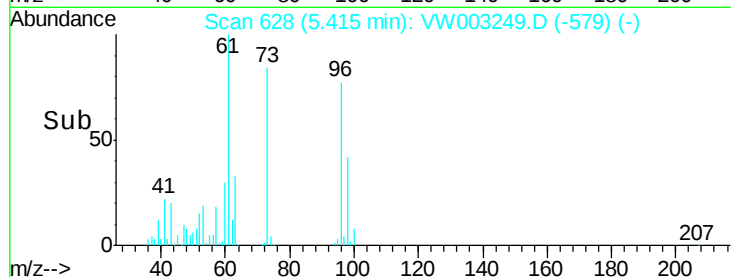
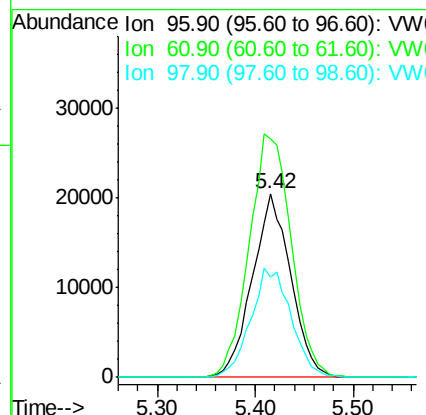
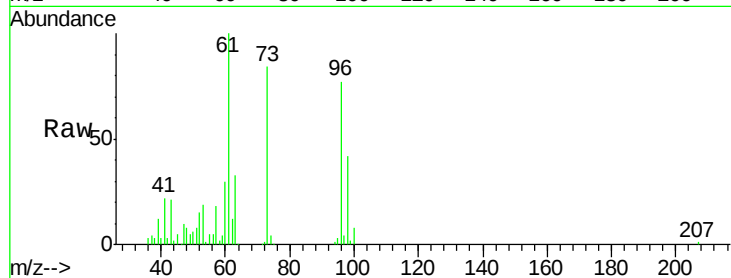
Tgt Ion: 96 Resp: 56267

Ion Ratio Lower Upper

96 100

61 129.6 118.7 178.1

98 54.3 51.0 76.6



#22

Diisopropyl ether

Concen: 20.59 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Tgt Ion: 45 Resp: 174701

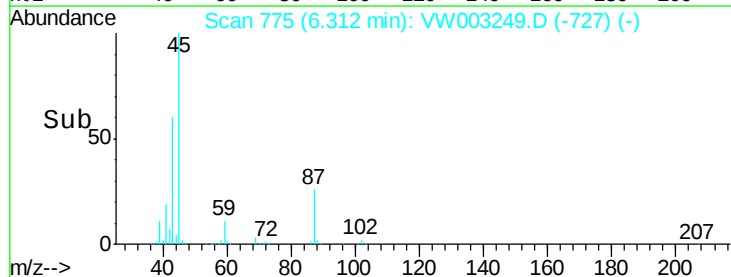
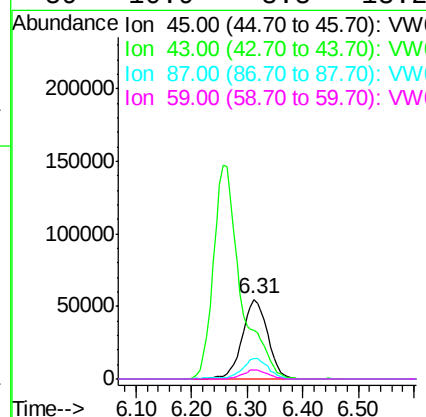
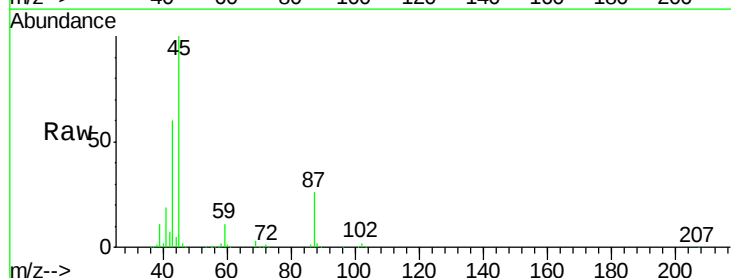
Ion Ratio Lower Upper

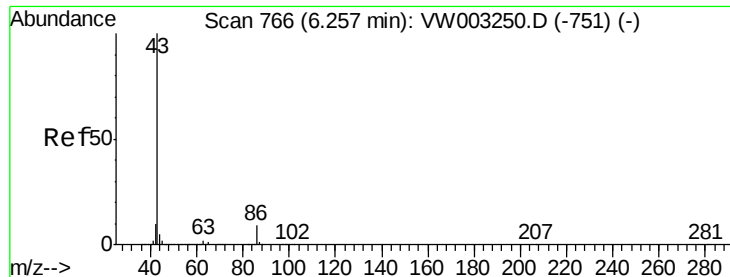
45 100

43 59.5 44.0 66.0

87 25.7 20.6 31.0

59 10.9 8.8 13.2

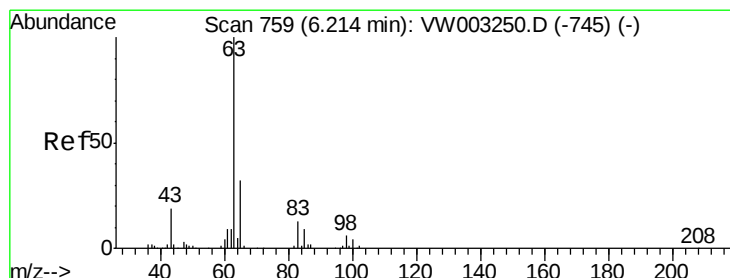
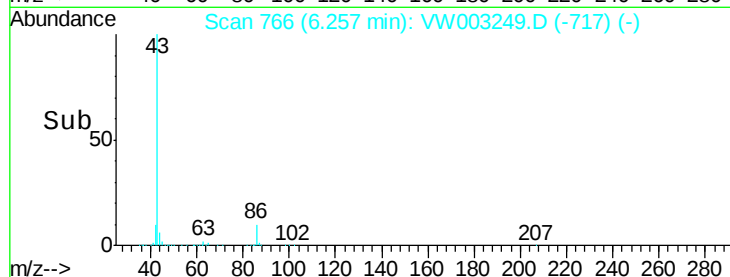
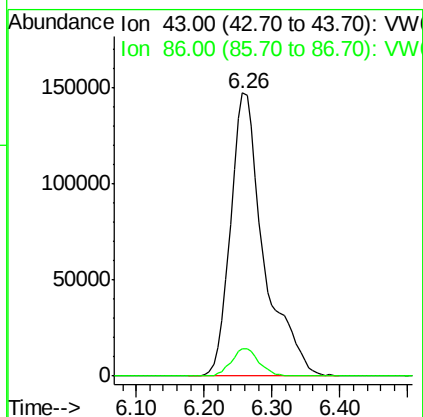
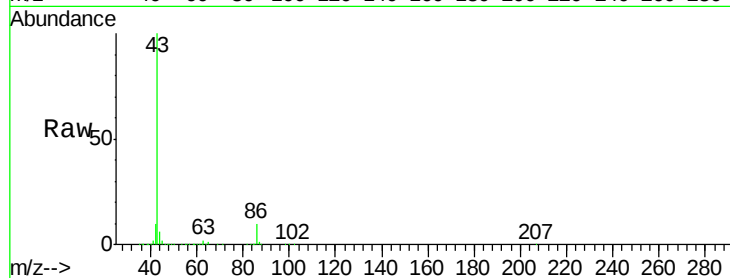




#23
 Vinyl Acetate
 Concen: 100.30 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

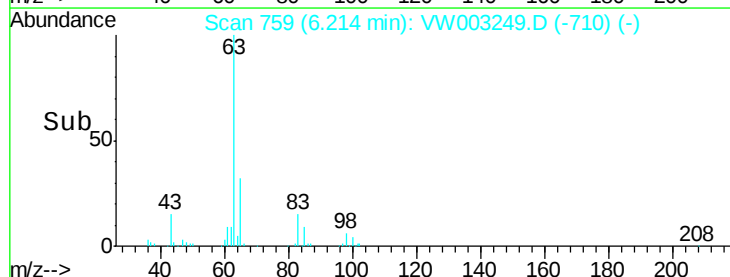
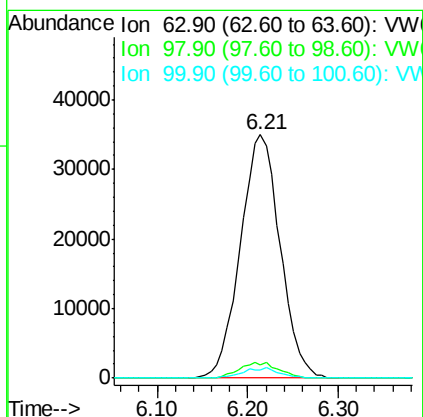
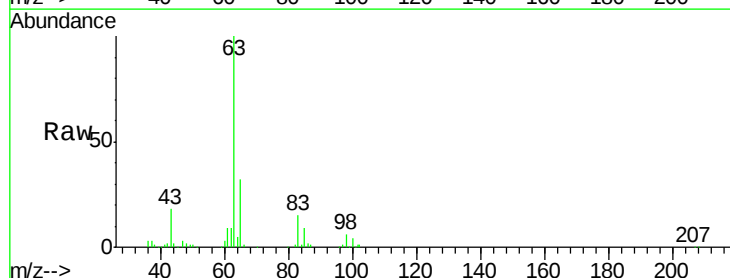
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

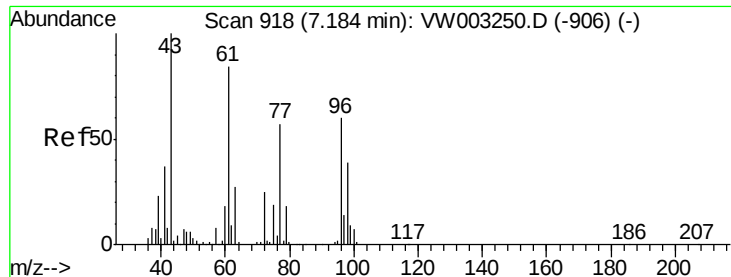
Tgt Ion: 43 Resp: 500933
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 21.21 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Tgt Ion: 63 Resp: 106044
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.6 2.1 6.5





#25

2-Butanone

Concen: 98.63 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

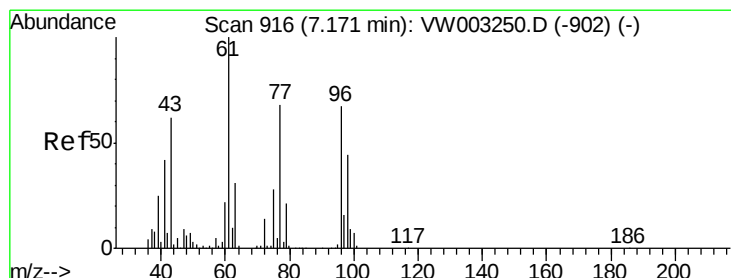
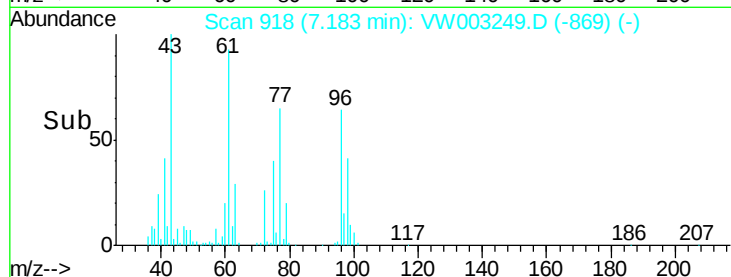
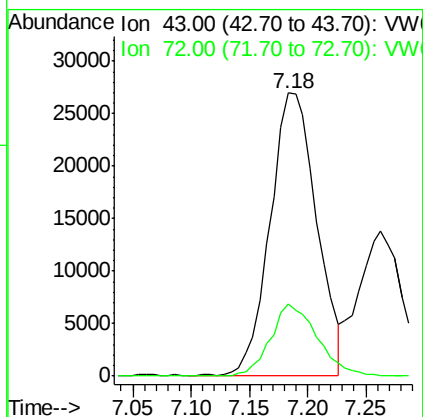
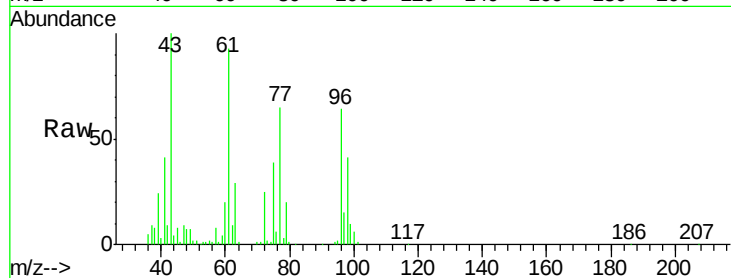
VSTDIC020

Tgt Ion: 43 Resp: 74362

Ion Ratio Lower Upper

43 100

72 25.6 20.3 30.5



#26

2,2-Dichloropropane

Concen: 23.08 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW003249.D

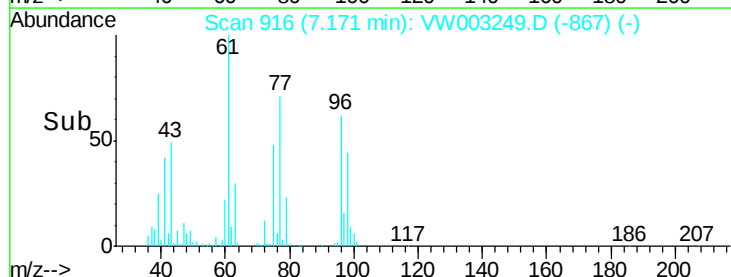
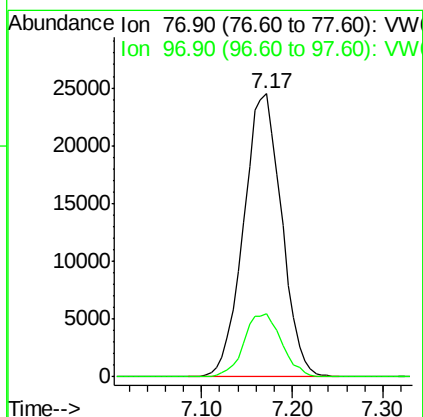
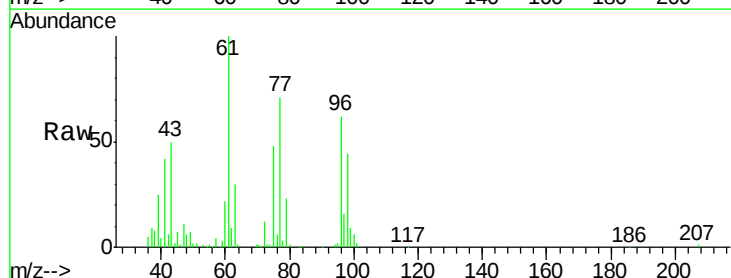
Acq: 13 Jun 2018 16:58

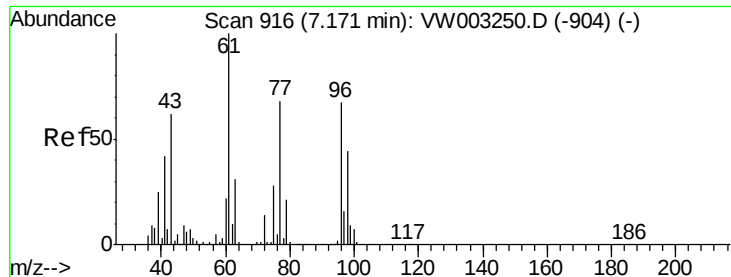
Tgt Ion: 77 Resp: 71153

Ion Ratio Lower Upper

77 100

97 22.0 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

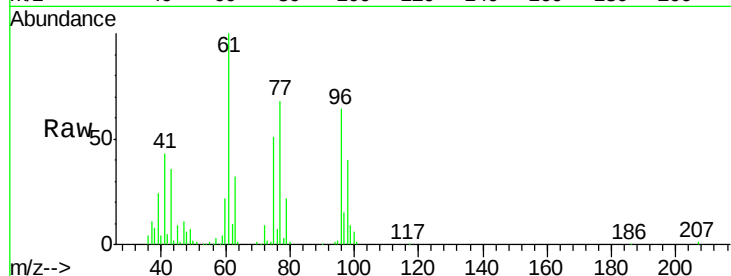
Tgt Ion: 96 Resp: 60037

Ion Ratio Lower Upper

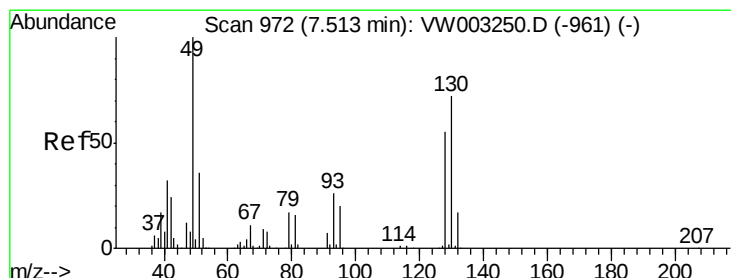
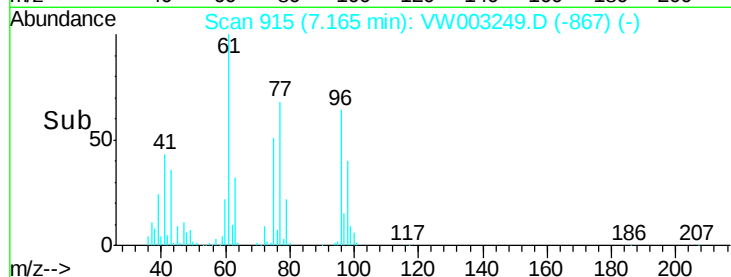
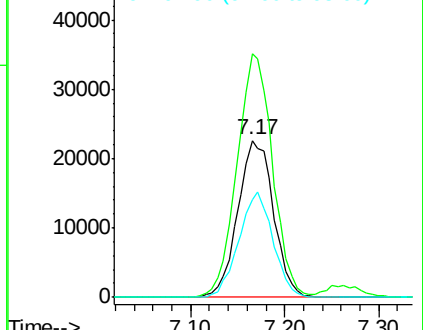
96 100

61 154.3 0.0 298.8

98 64.1 0.0 130.4



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: 19.72 ug/l

RT: 7.51 min Scan# 972

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

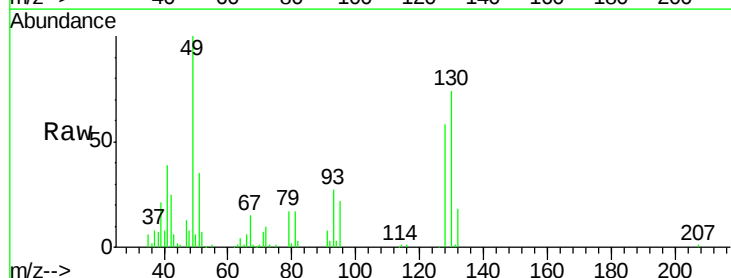
Tgt Ion: 49 Resp: 39797

Ion Ratio Lower Upper

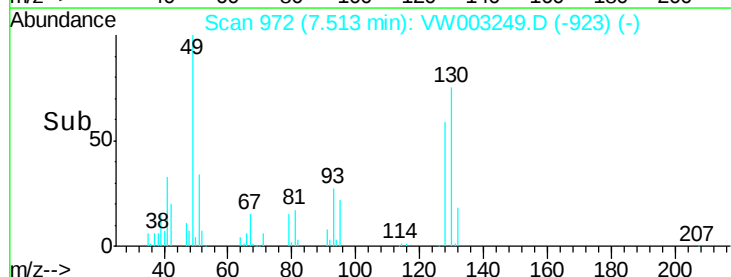
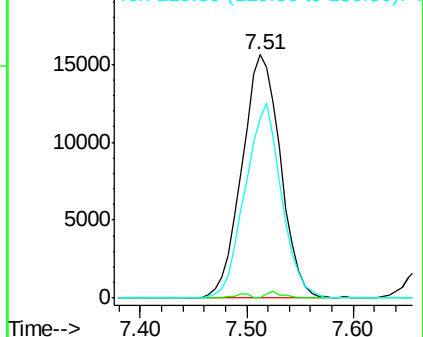
49 100

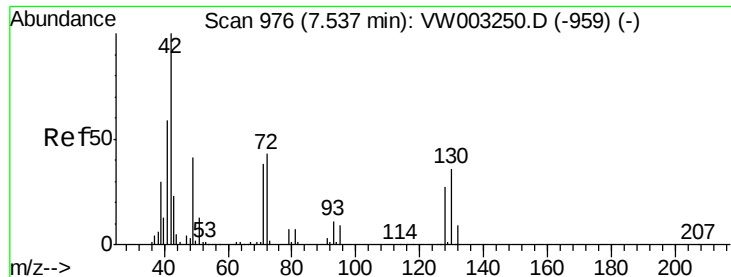
129 1.1 0.0 4.6

130 75.1 59.4 89.2



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

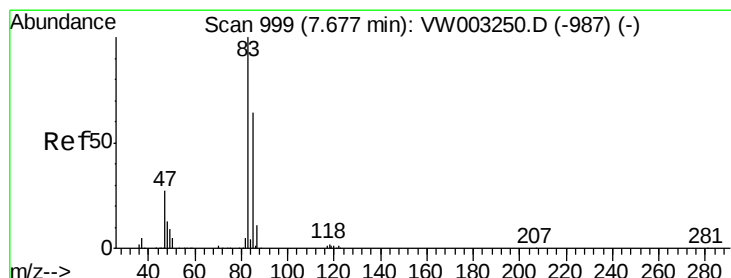
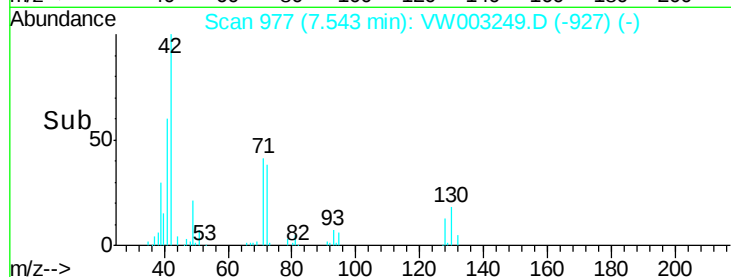
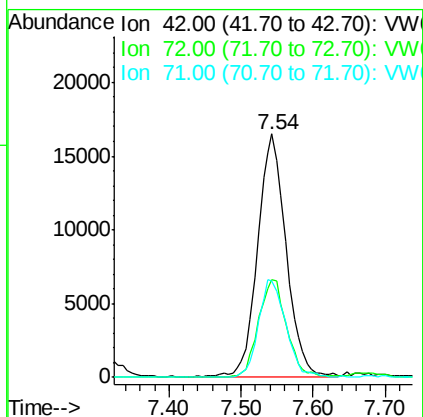
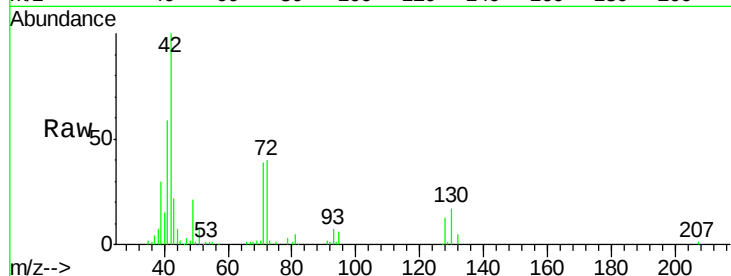




#29
Tetrahydrofuran
Concen: 93.95 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

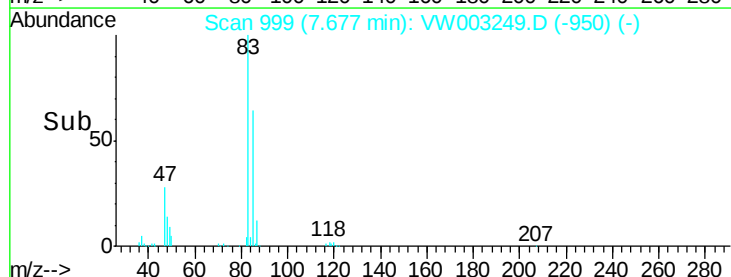
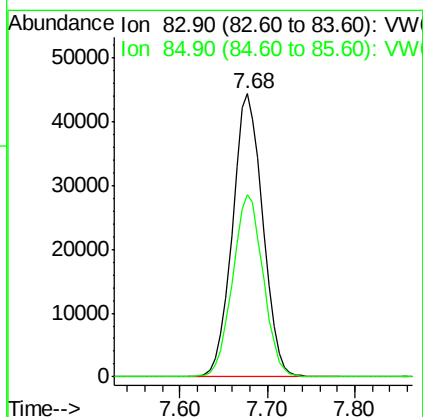
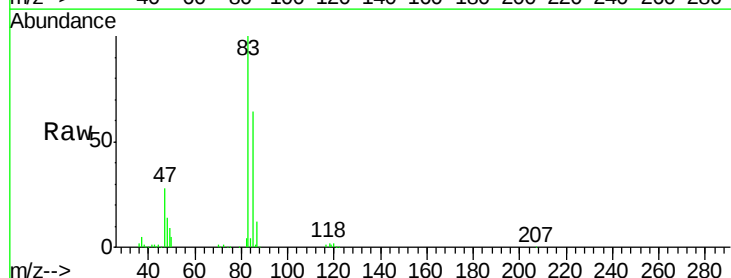
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

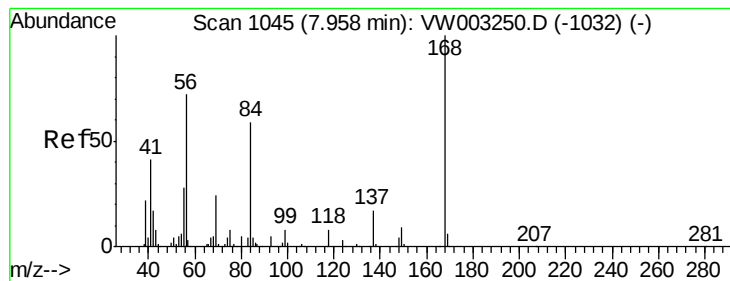
Tgt Ion: 42 Resp: 45683
Ion Ratio Lower Upper
42 100
72 39.6 32.4 48.6
71 38.1 31.2 46.8



#30
Chloroform
Concen: 20.74 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion: 83 Resp: 106615
Ion Ratio Lower Upper
83 100
85 64.3 51.3 76.9





#31

Cyclohexane

Concen: 20.62 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

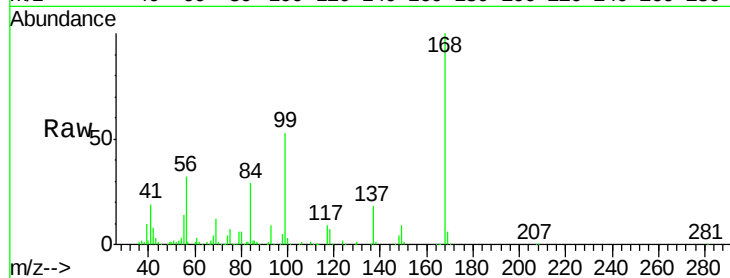
Tgt Ion: 56 Resp: 97363

Ion Ratio Lower Upper

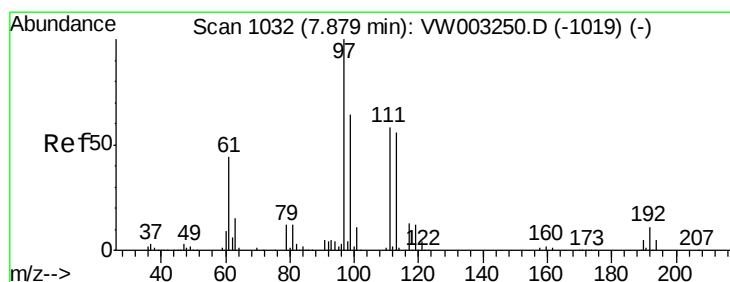
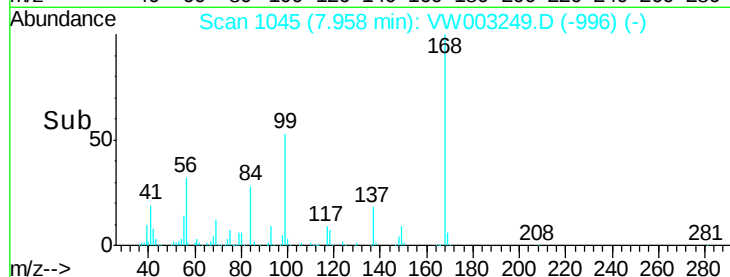
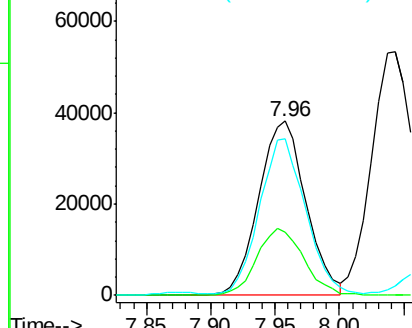
56 100

69 36.3 26.3 39.5

84 87.9 65.7 98.5



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



#32

1,1,1-Trichloroethane

Concen: 21.18 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

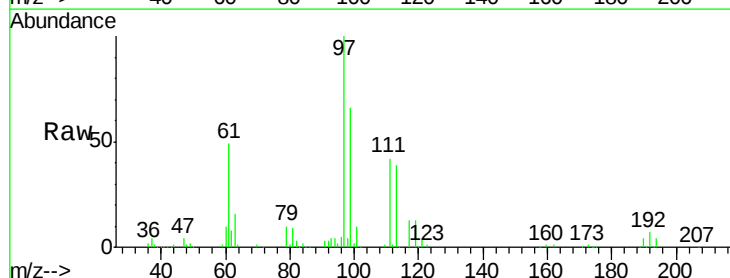
Tgt Ion: 97 Resp: 88175

Ion Ratio Lower Upper

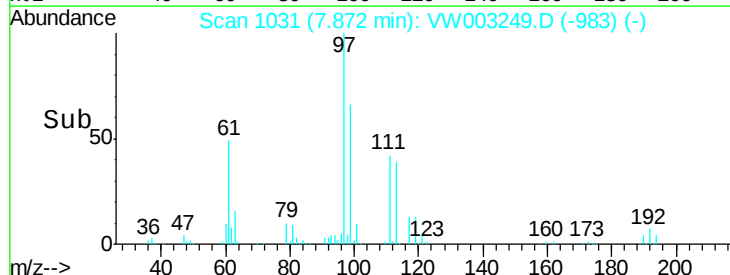
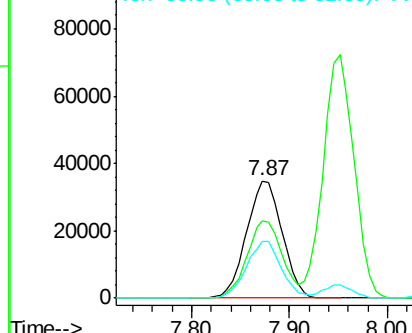
97 100

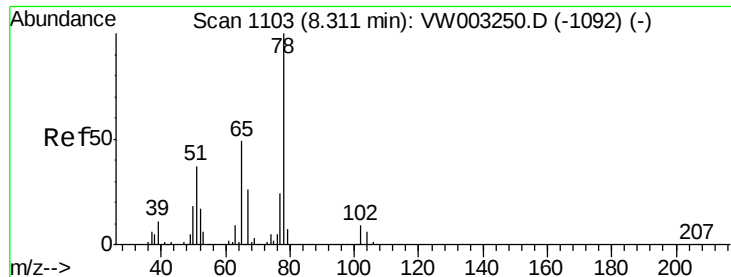
99 65.2 51.7 77.5

61 47.7 37.6 56.4



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





#33

1,2-Dichloroethane-d4

Concen: 21.35 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

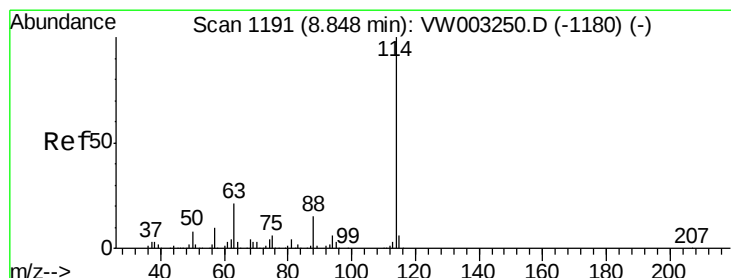
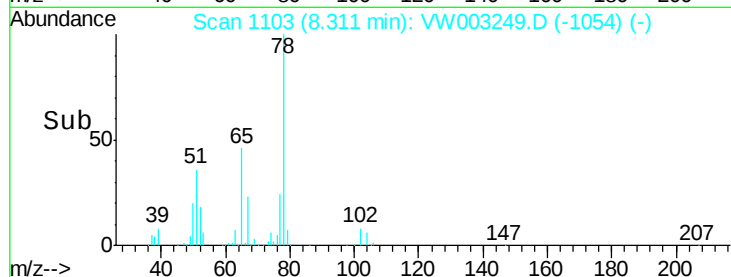
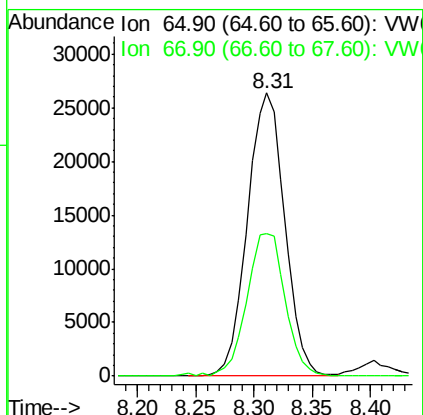
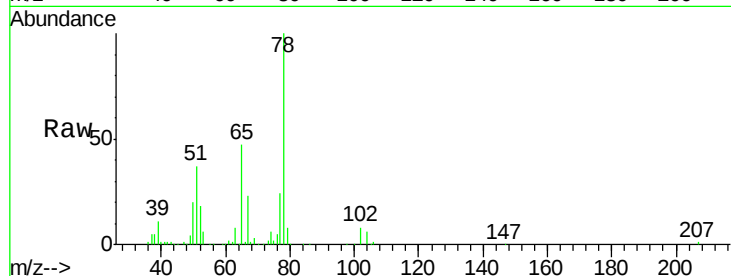
VSTDIC020

Tgt Ion: 65 Resp: 58782

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

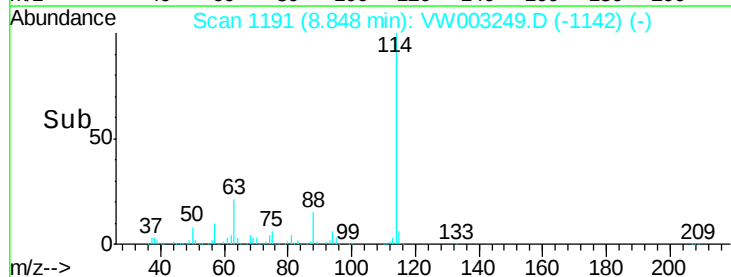
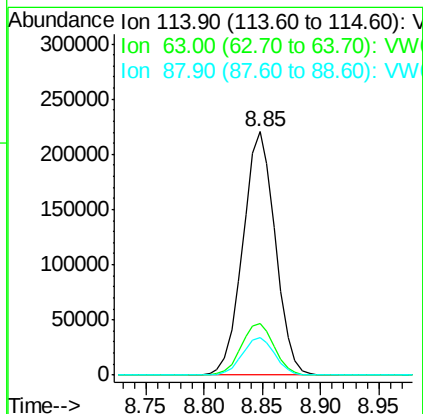
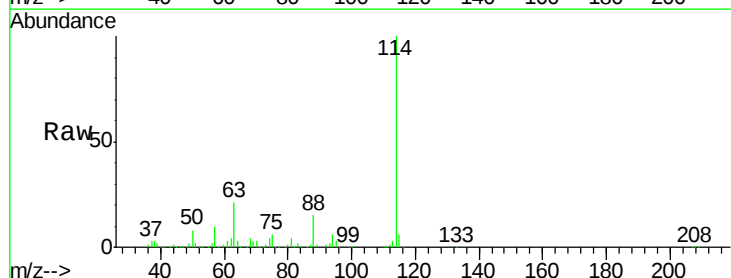
Tgt Ion: 114 Resp: 427721

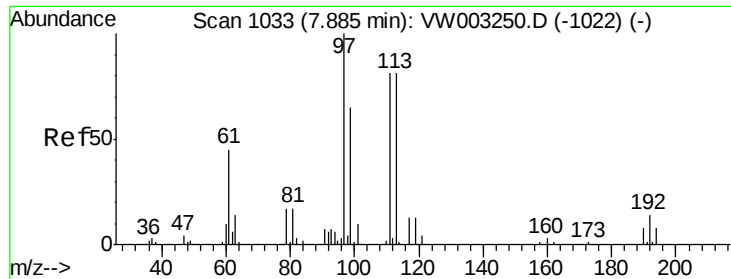
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 15.3 0.0 29.6

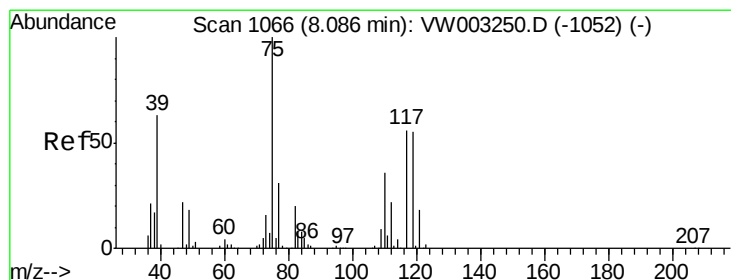
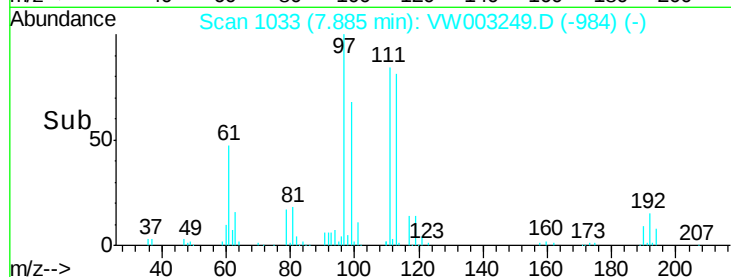
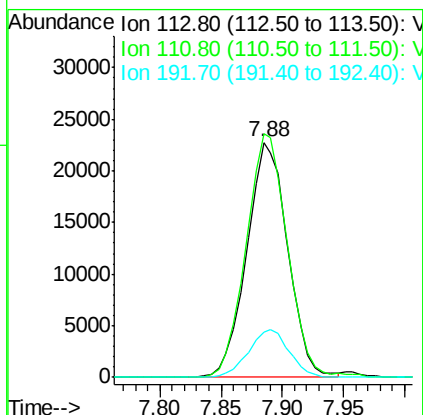
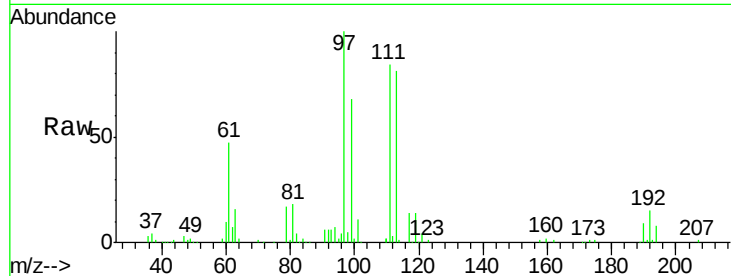




#35
 Dibromofluoromethane
 Concen: 20.97 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

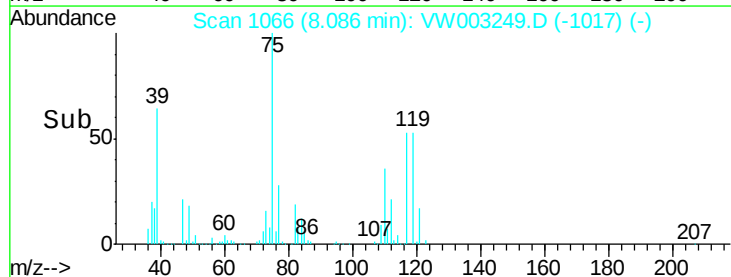
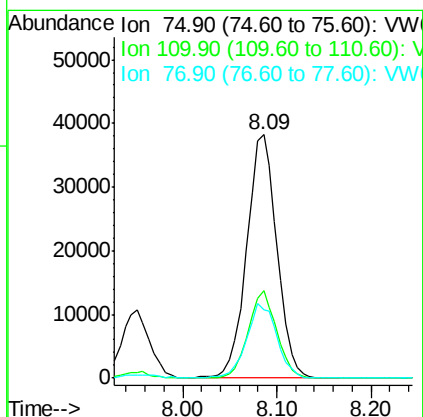
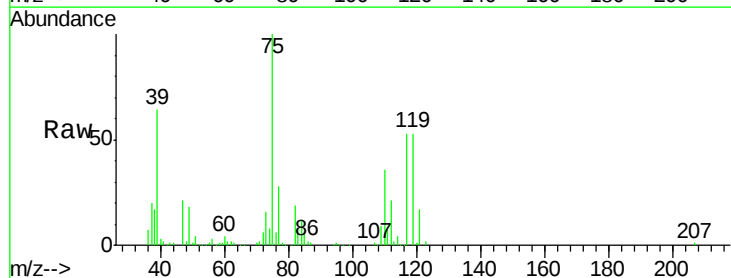
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

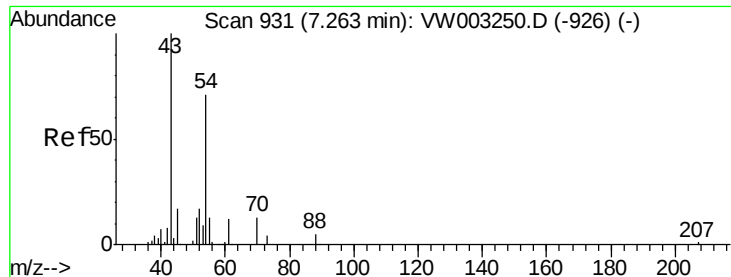
Tgt Ion: 113 Resp: 52976
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.2 123.2
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 21.45 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Tgt Ion: 75 Resp: 86208
 Ion Ratio Lower Upper
 75 100
 110 33.6 17.1 51.3
 77 30.8 24.9 37.3

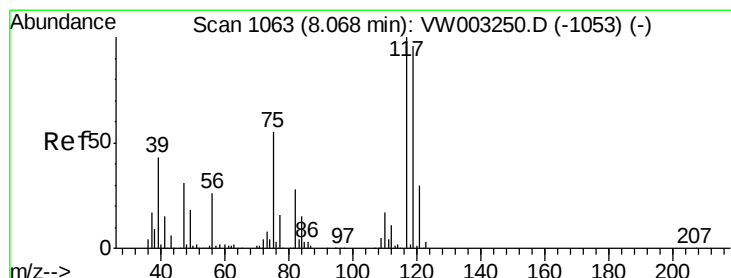
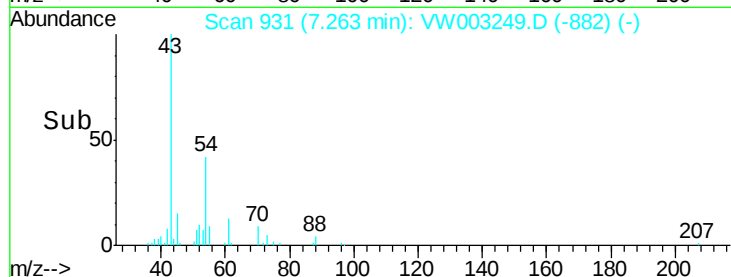
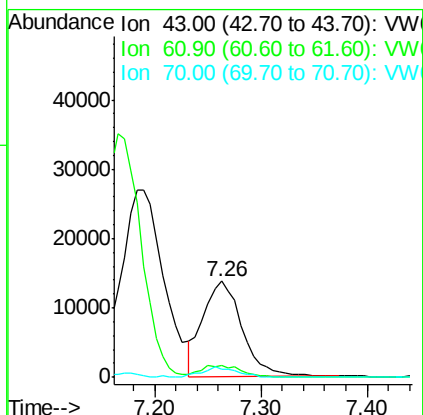
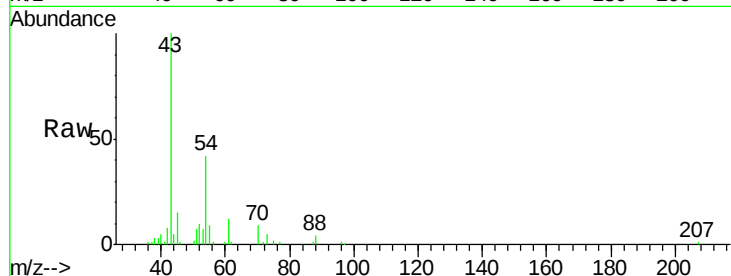




#37
Ethyl Acetate
Concen: 19.67 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

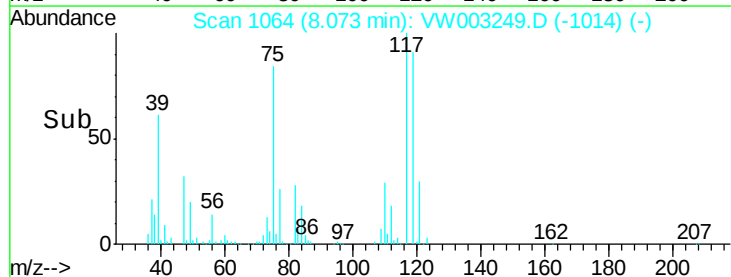
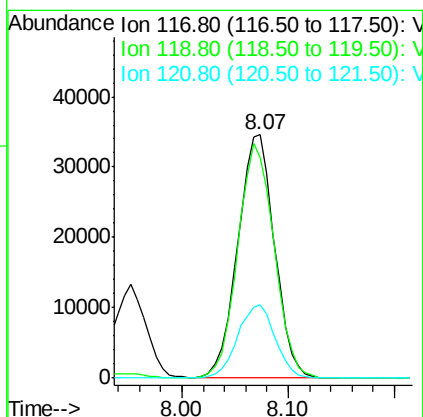
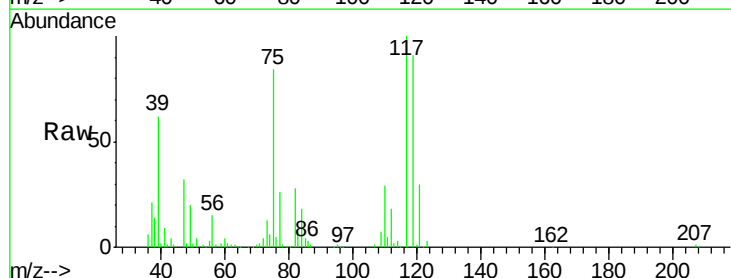
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

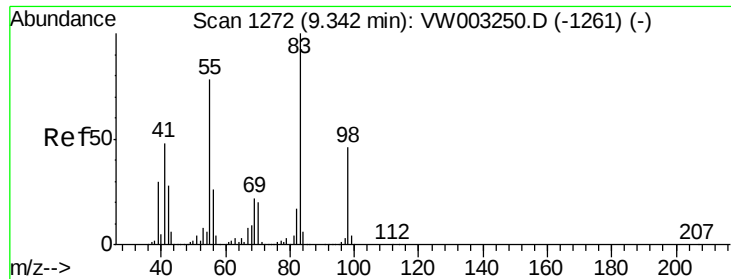
Tgt Ion: 43 Resp: 34746
Ion Ratio Lower Upper
43 100
61 12.9 10.8 16.2
70 9.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 21.44 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion: 117 Resp: 84107
Ion Ratio Lower Upper
117 100
119 90.7 76.6 115.0
121 30.0 23.9 35.9

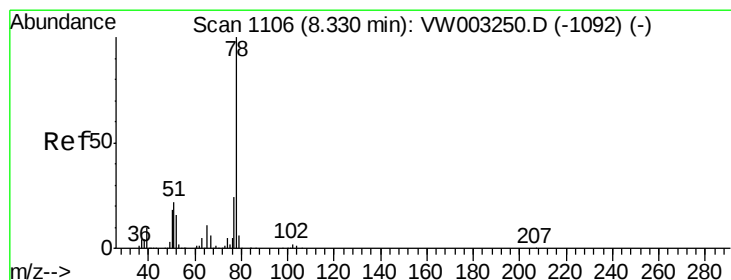
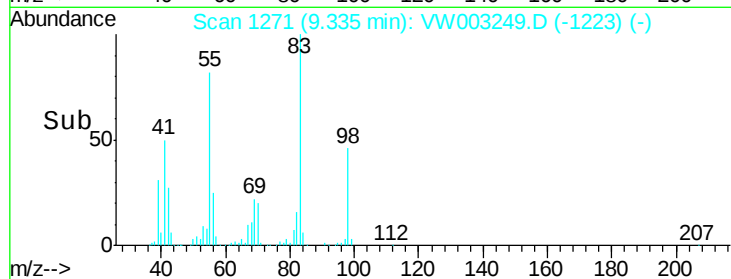
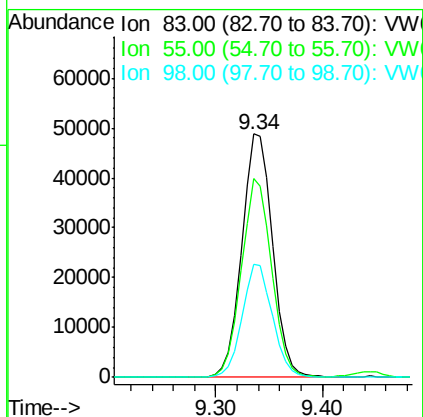
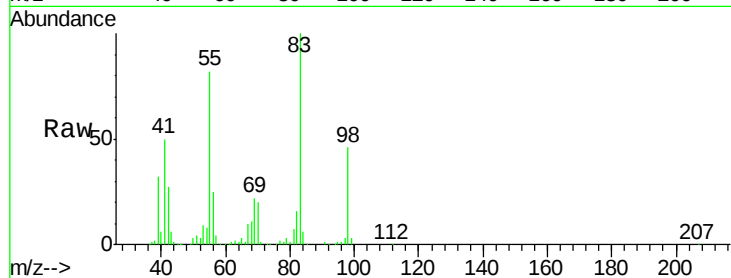




#39
Methylcyclohexane
Concen: 20.84 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

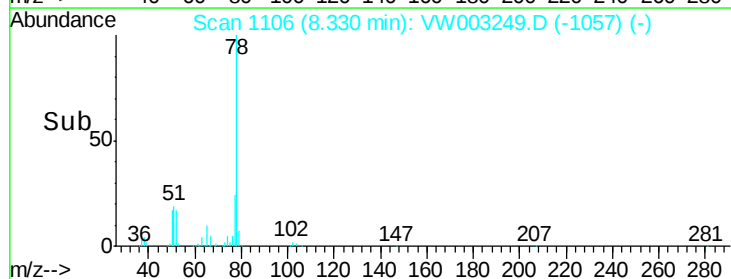
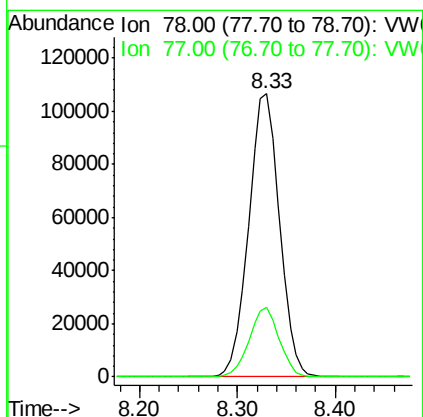
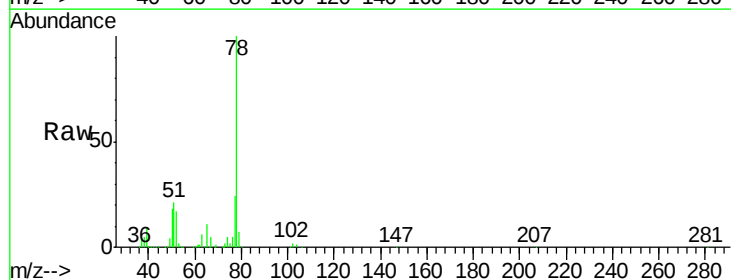
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

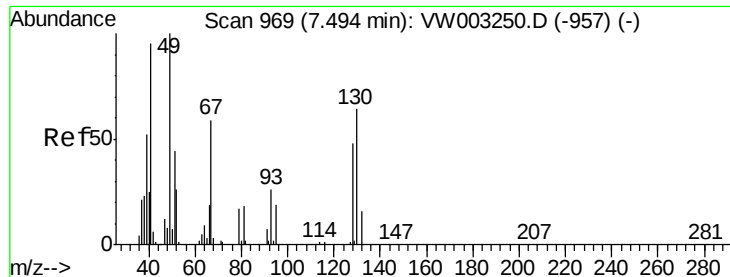
Tgt Ion: 83 Resp: 99236
Ion Ratio Lower Upper
83 100
55 81.8 62.6 93.8
98 46.4 37.0 55.4



#40
Benzene
Concen: 20.71 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion: 78 Resp: 233086
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

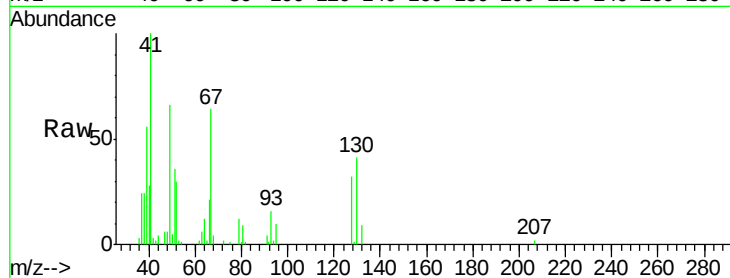




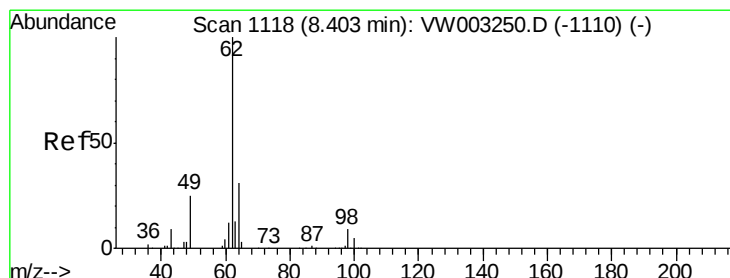
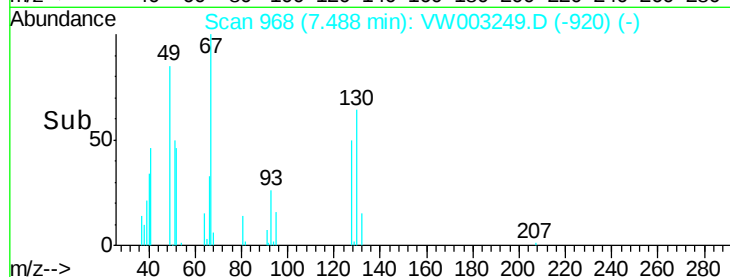
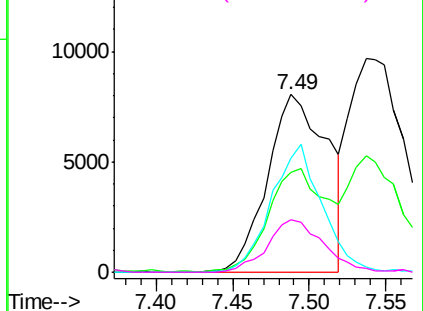
#41
Methacrylonitrile
Concen: 21.74 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	22027
Ion	Ratio	Lower	Upper
41	100		
39	57.2	45.8	68.8
67	61.3	52.3	78.5
52	27.9	24.1	36.1

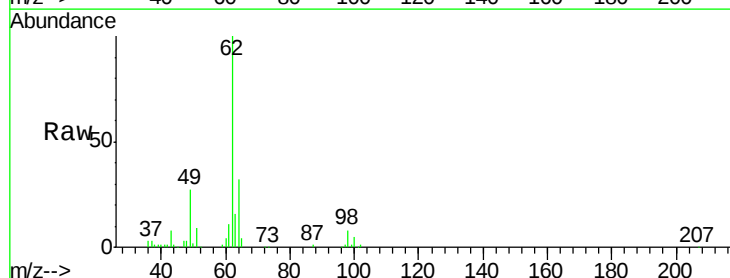


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

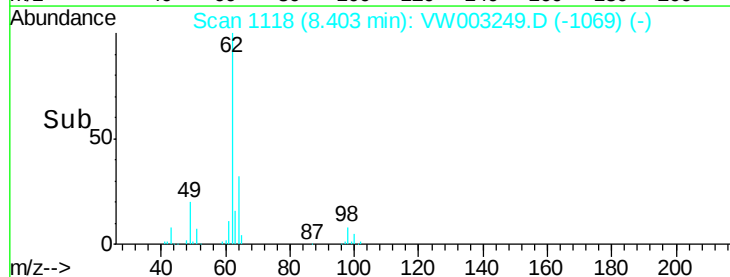
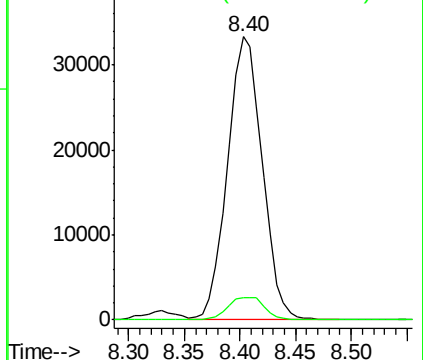


#42
1,2-Dichloroethane
Concen: 20.55 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion:	62	Resp:	71920
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 19.06 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

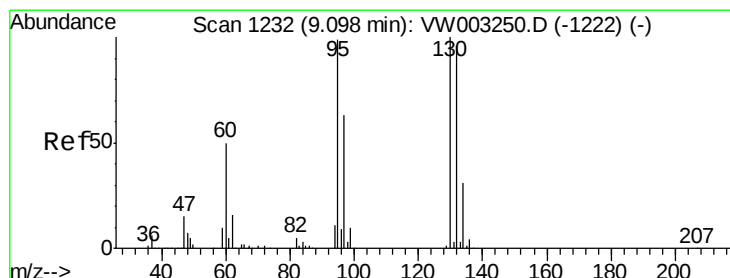
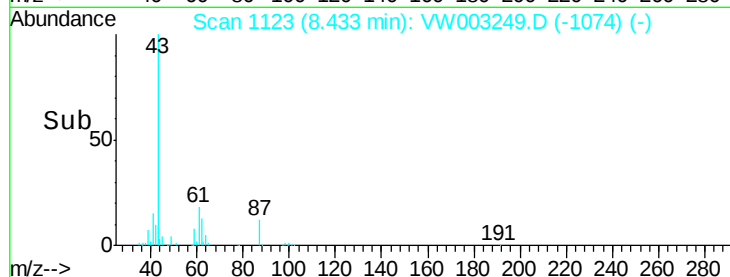
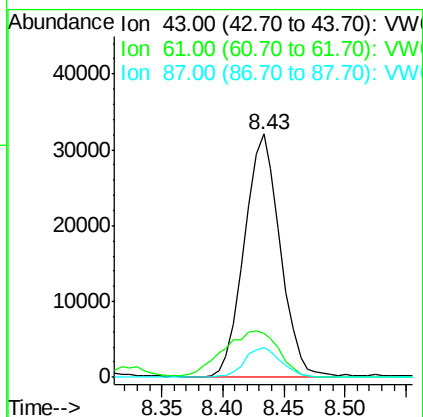
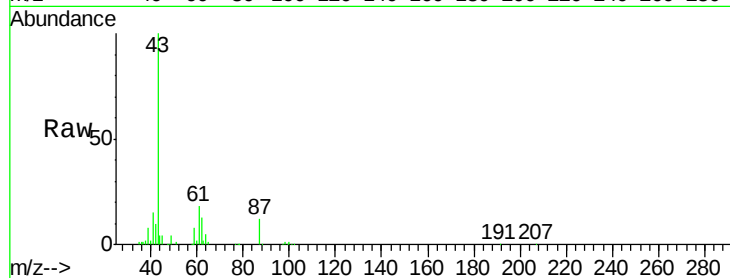
Tgt Ion: 43 Resp: 65103

Ion Ratio Lower Upper

43 100

61 29.7 23.1 34.7

87 12.4 9.8 14.6



#44

Trichloroethene

Concen: 20.05 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW003249.D

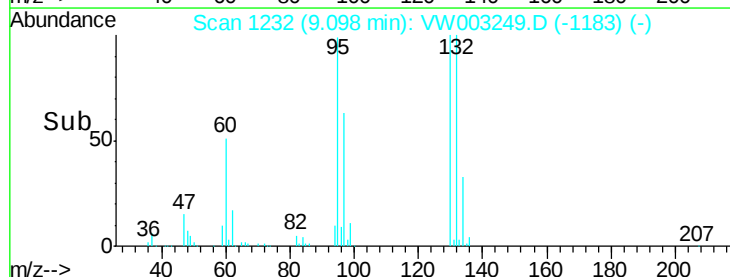
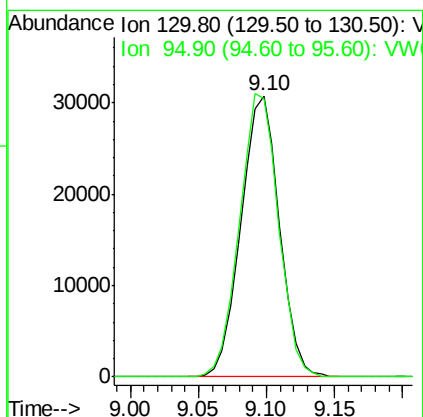
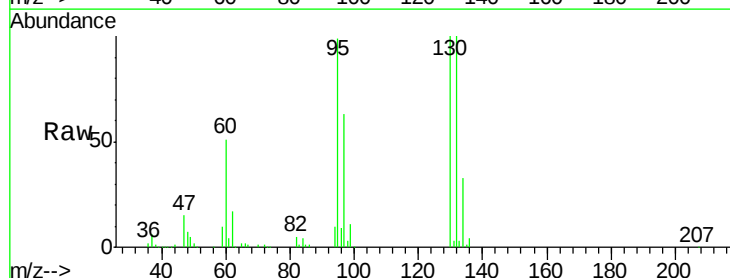
Acq: 13 Jun 2018 16:58

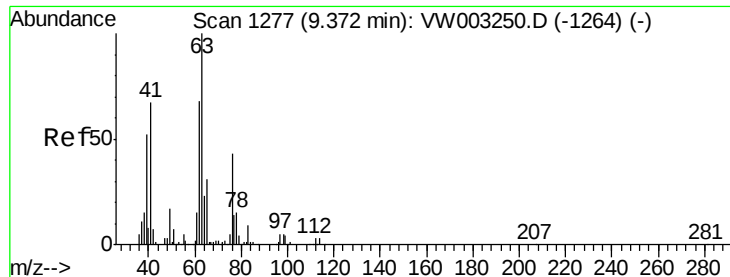
Tgt Ion: 130 Resp: 60722

Ion Ratio Lower Upper

130 100

95 98.9 0.0 198.0





#45

1,2-Dichloropropane

Concen: 20.31 ug/l

RT: 9.38 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

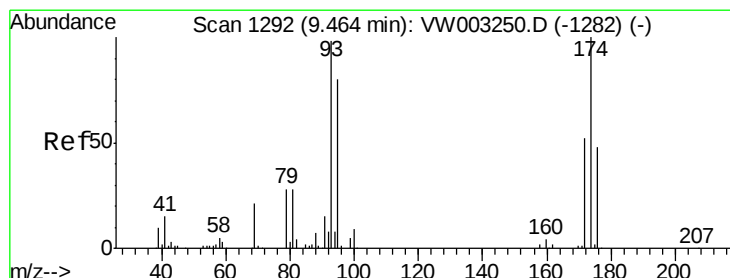
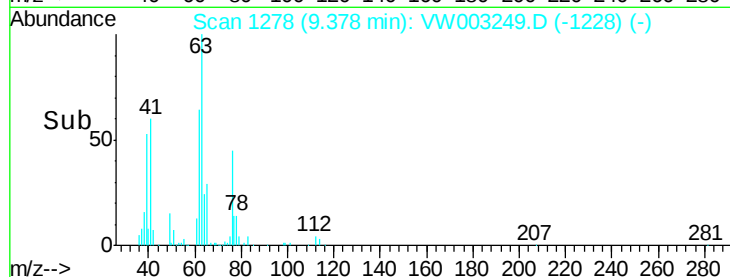
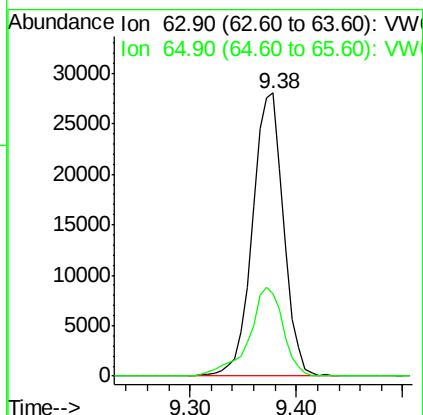
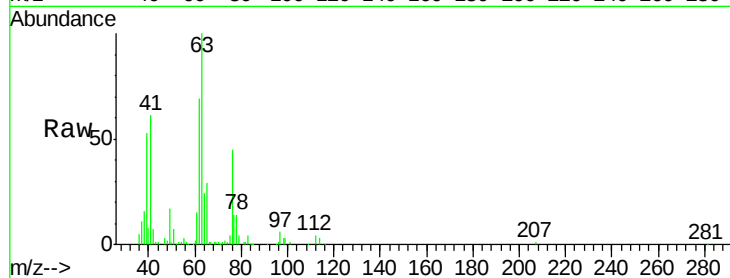
VSTDIC020

Tgt Ion: 63 Resp: 57385

Ion Ratio Lower Upper

63 100

65 29.3 25.1 37.7



#46

Dibromomethane

Concen: 20.43 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

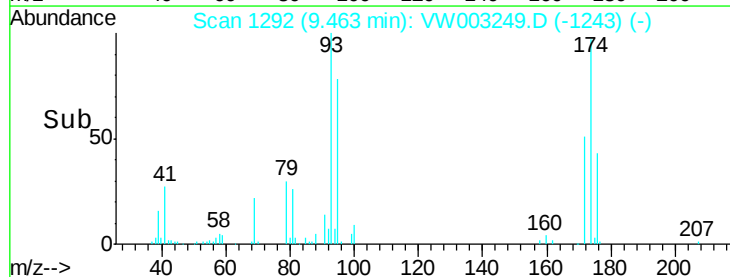
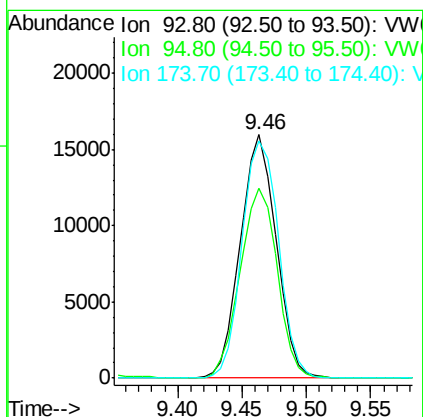
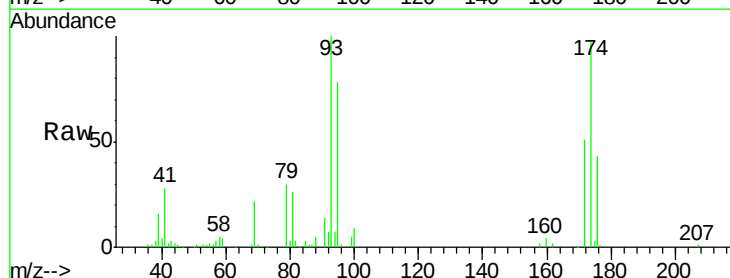
Tgt Ion: 93 Resp: 30857

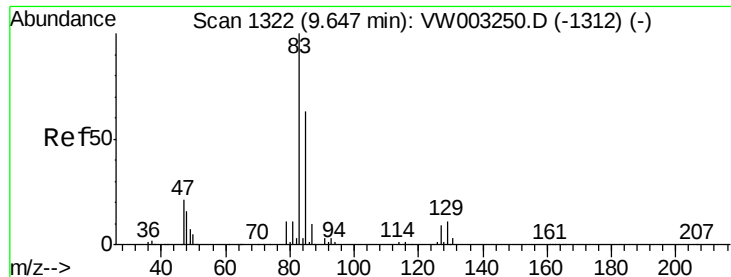
Ion Ratio Lower Upper

93 100

95 80.5 65.8 98.8

174 98.9 81.4 122.0





#47

Bromodichloromethane

Concen: 20.63 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

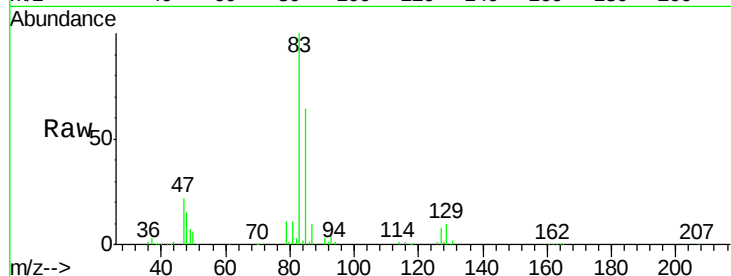
Tgt Ion: 83 Resp: 76112

Ion Ratio Lower Upper

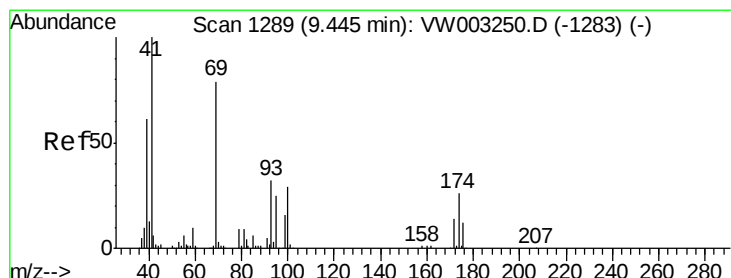
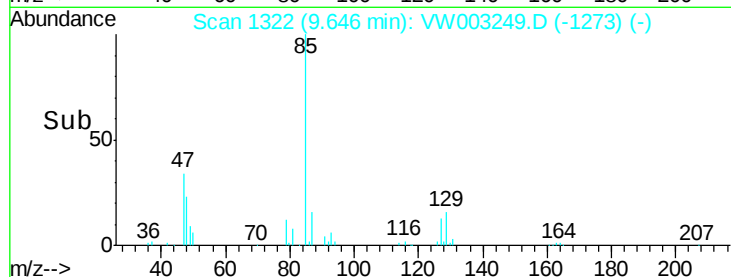
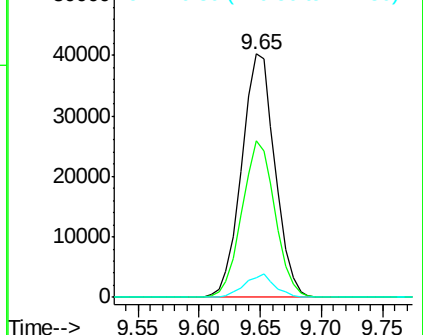
83 100

85 64.1 50.6 75.8

127 8.2 6.8 10.2



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



#48

Methyl methacrylate

Concen: 19.68 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

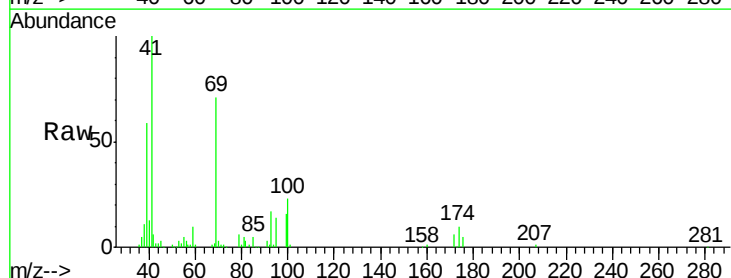
Tgt Ion: 41 Resp: 31958

Ion Ratio Lower Upper

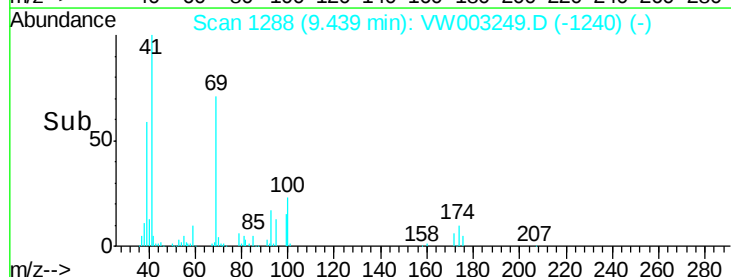
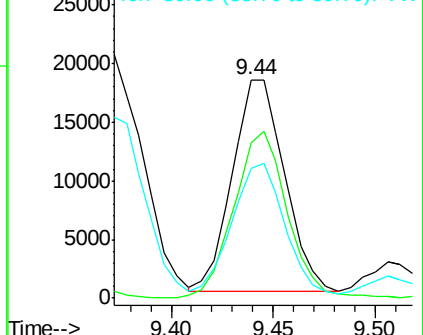
41 100

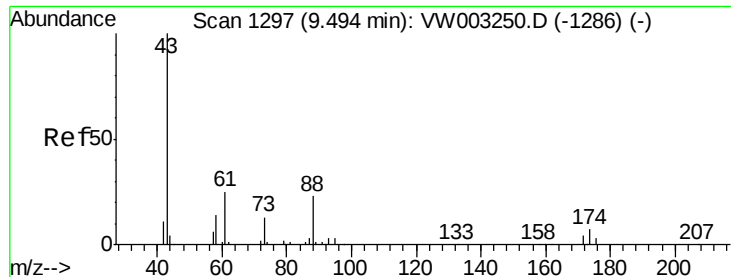
69 81.5 65.4 98.2

39 62.0 54.2 81.2



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

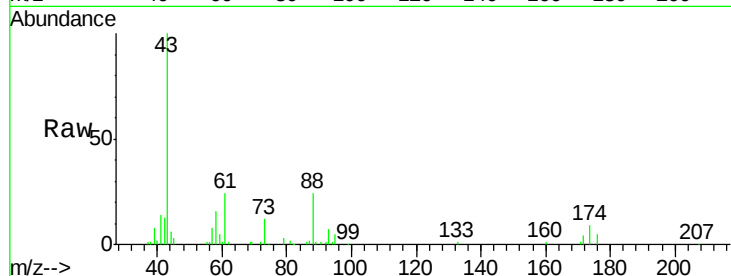




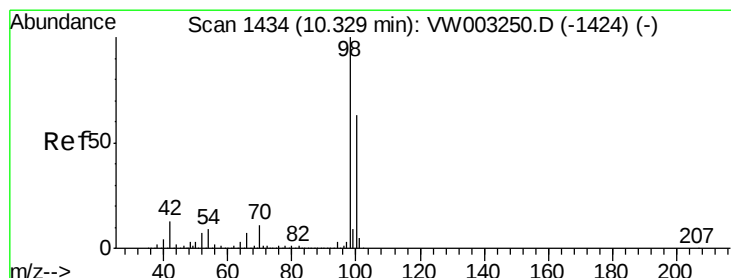
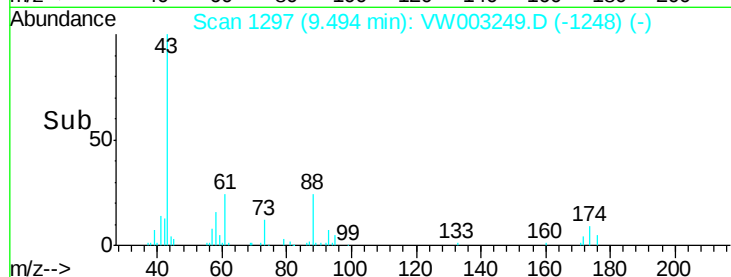
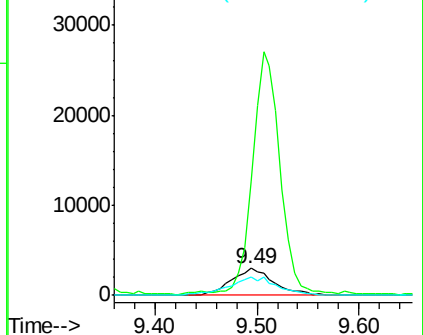
#49
1,4-Dioxane
Concen: 368.15 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 8618
Ion Ratio Lower Upper
88 100
43 577.3 454.7 682.1
58 77.6 58.6 88.0

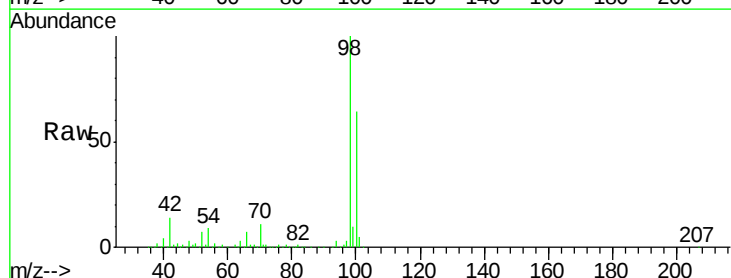


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

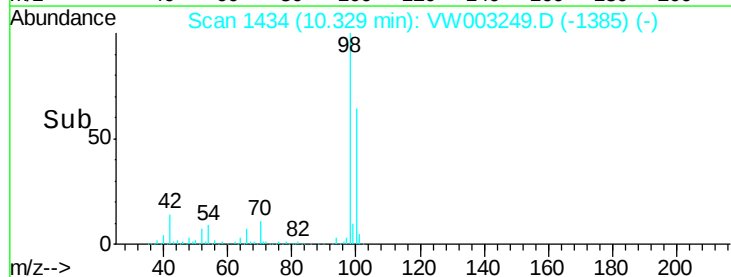
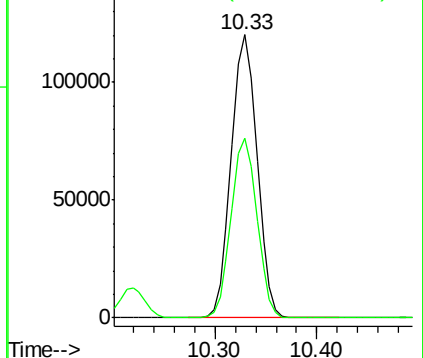


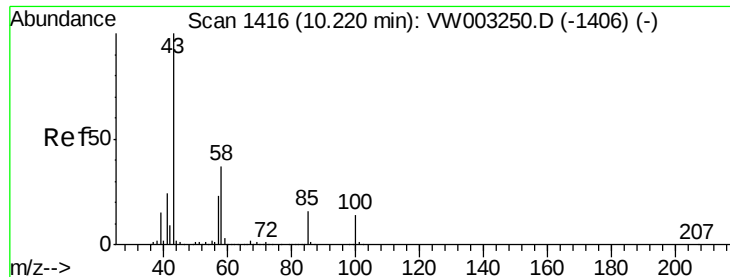
#50
Toluene-d8
Concen: 21.52 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion: 98 Resp: 211117
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2



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





#51

4-Methyl-2-Pentanone

Concen: 98.38 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

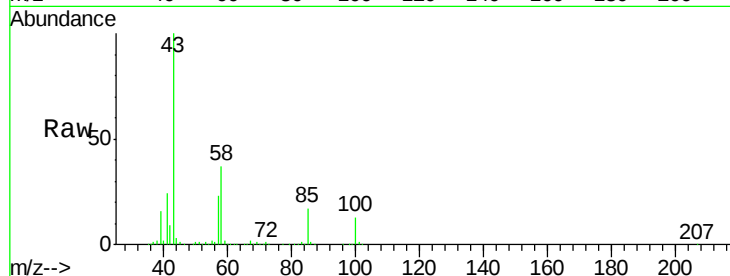
VSTDIC020

Tgt Ion: 43 Resp: 170804

Ion Ratio Lower Upper

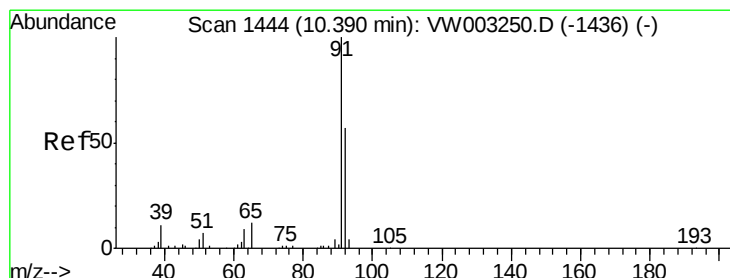
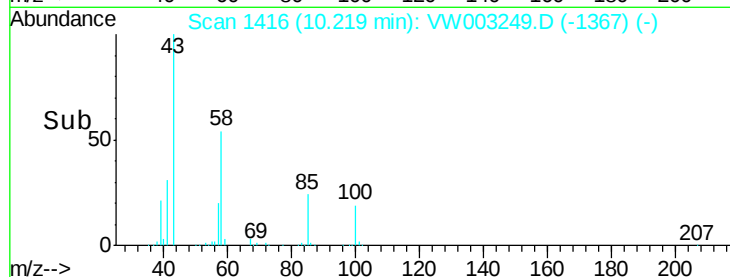
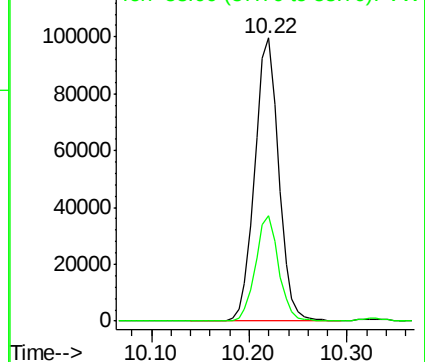
43 100

58 35.9 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.70 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003249.D

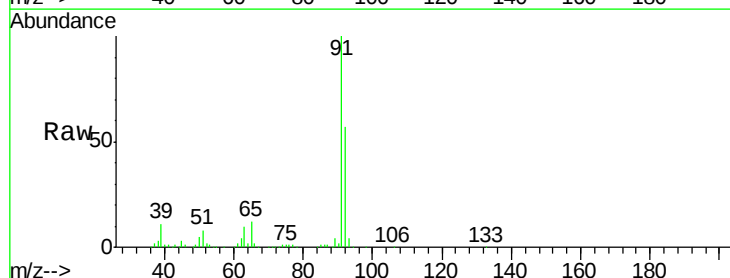
Acq: 13 Jun 2018 16:58

Tgt Ion: 92 Resp: 149482

Ion Ratio Lower Upper

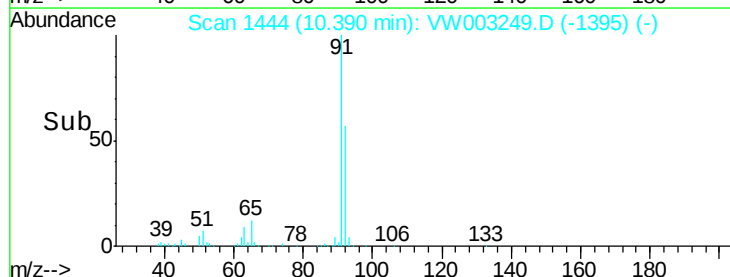
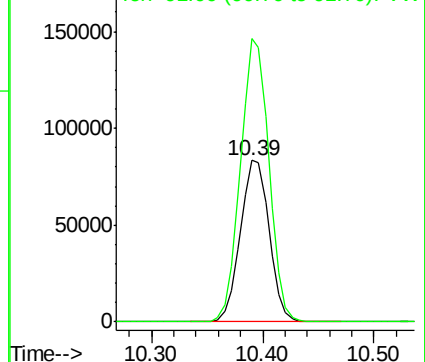
92 100

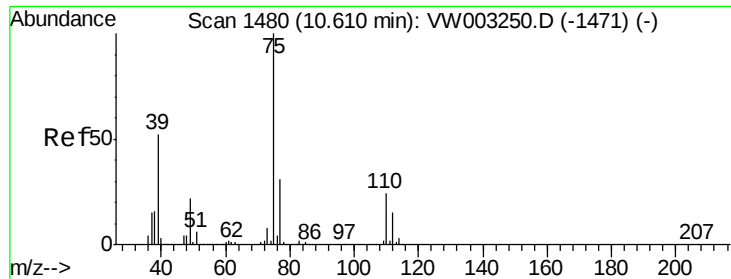
91 173.2 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.95 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

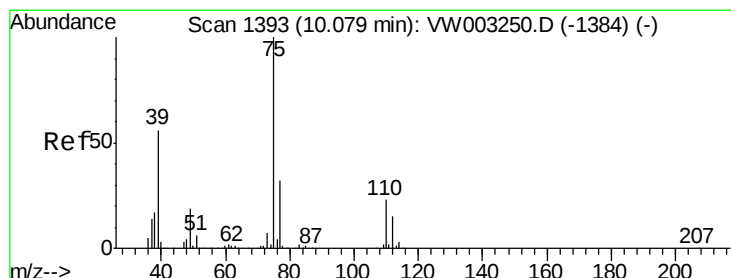
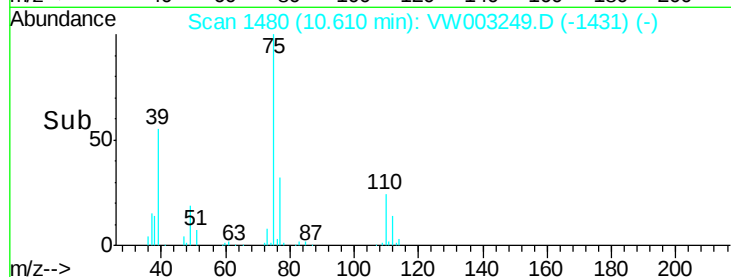
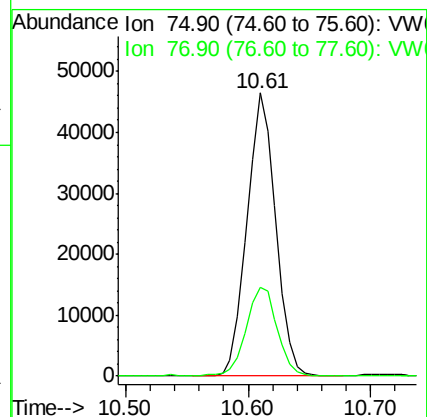
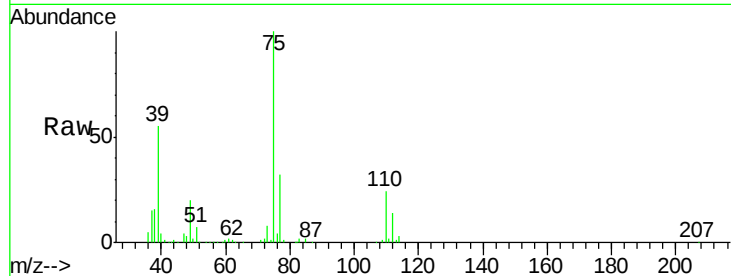
VSTDIC020

Tgt Ion: 75 Resp: 75772

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.52 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

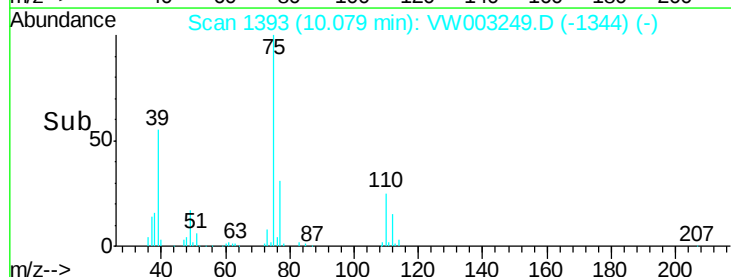
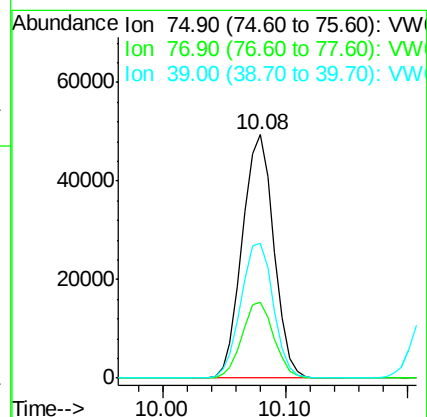
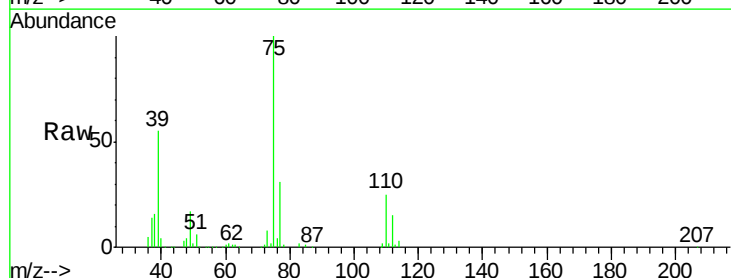
Tgt Ion: 75 Resp: 88647

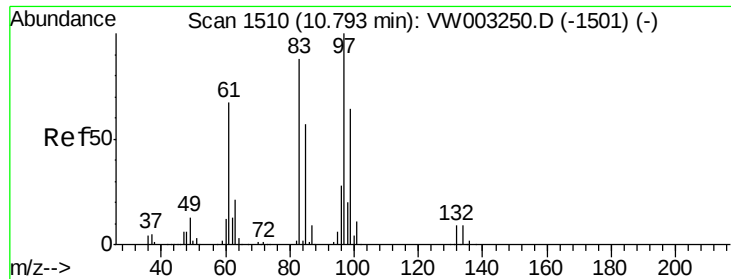
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 55.4 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 19.90 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 41529

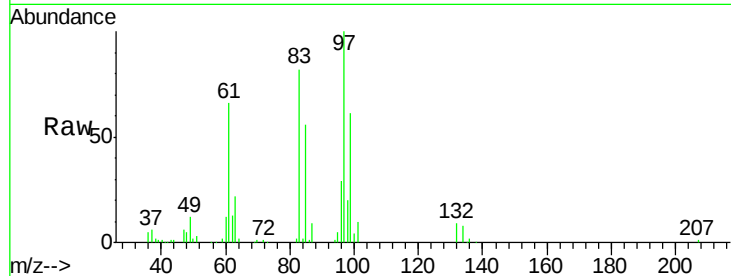
Ion Ratio Lower Upper

97 100

83 81.8 70.2 105.2

85 56.2 45.6 68.4

99 60.6 51.2 76.8

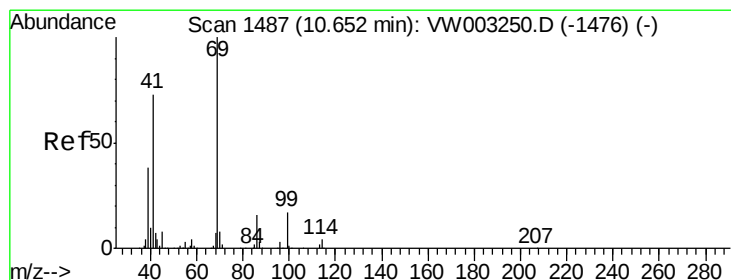
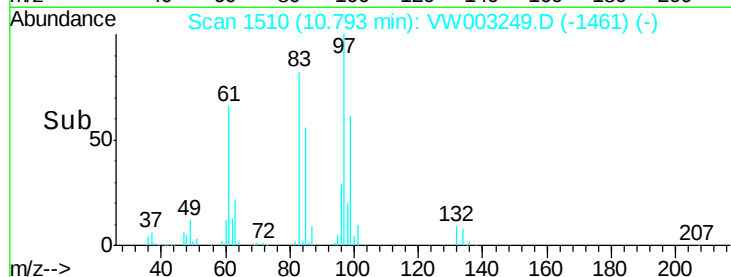
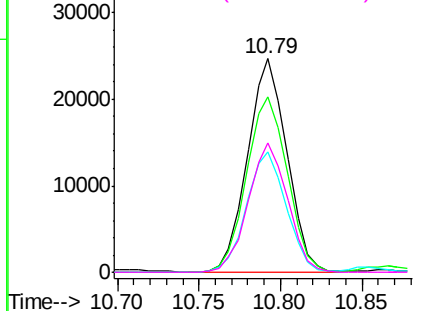


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.13 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

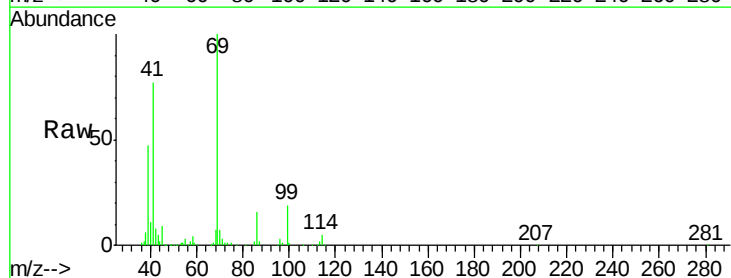
Tgt Ion: 69 Resp: 49484

Ion Ratio Lower Upper

69 100

41 72.6 57.8 86.6

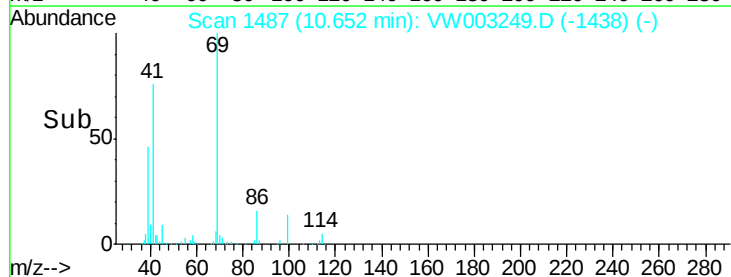
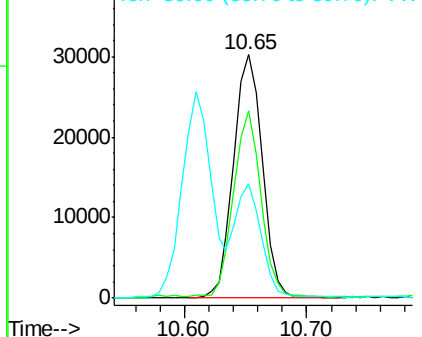
39 41.8 32.7 49.1

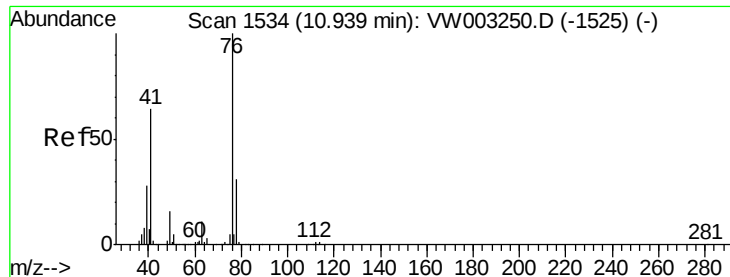


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

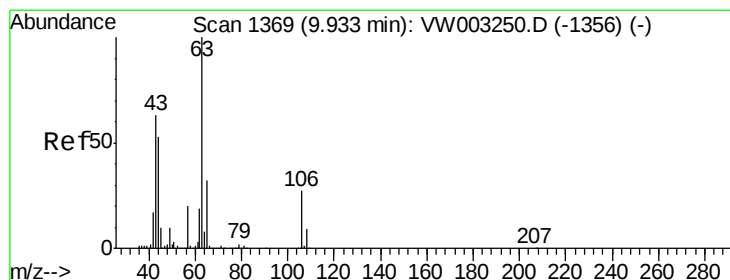
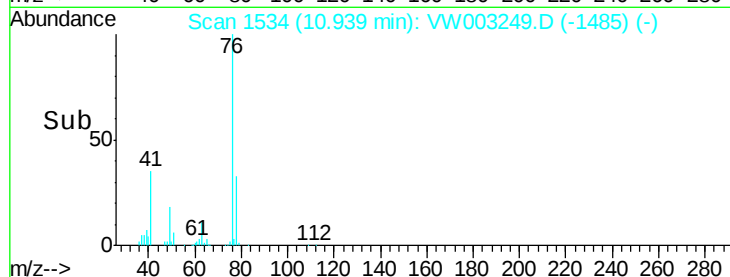
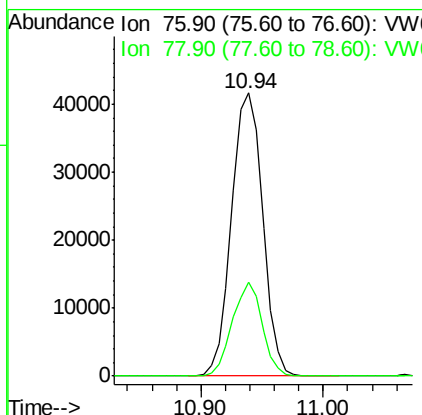
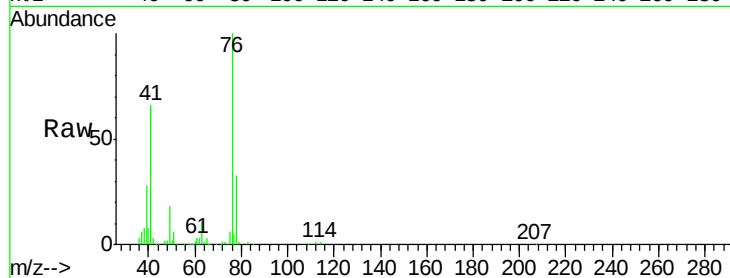




#57
 1,3-Dichloropropane
 Concen: 20.34 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

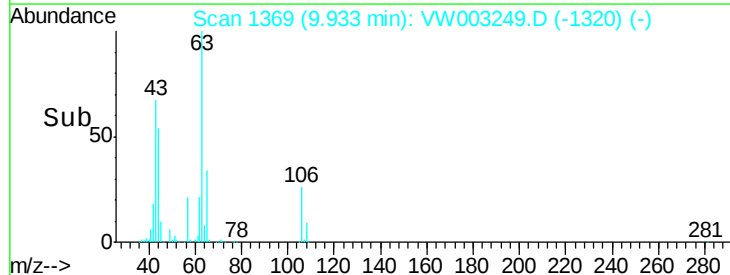
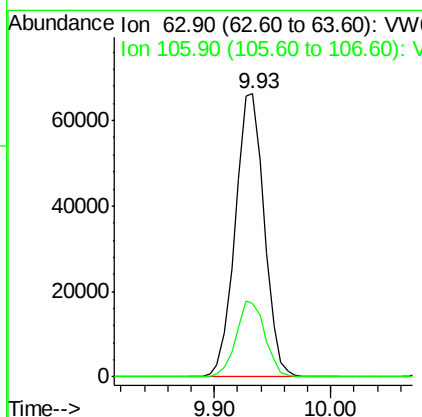
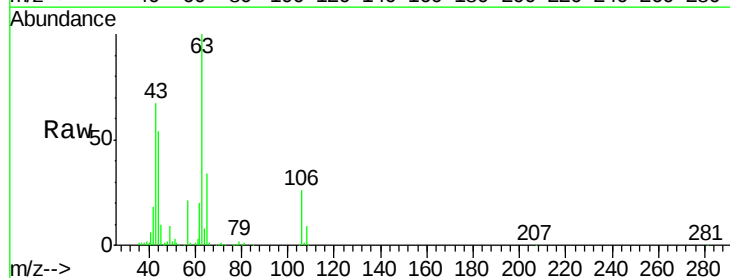
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

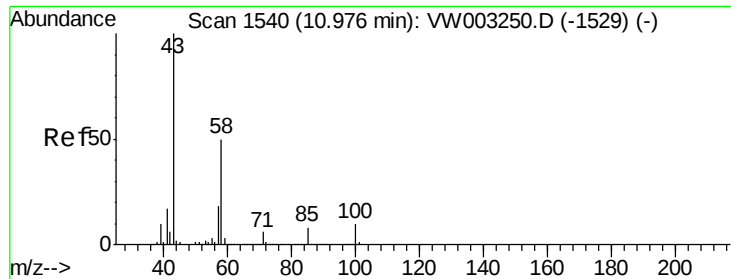
Tgt Ion: 76 Resp: 73322
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.50 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Tgt Ion: 63 Resp: 115040
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.8 32.8

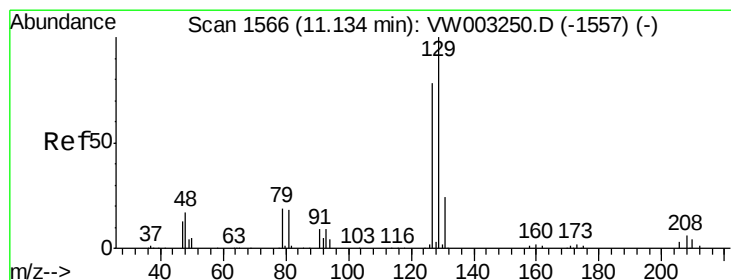
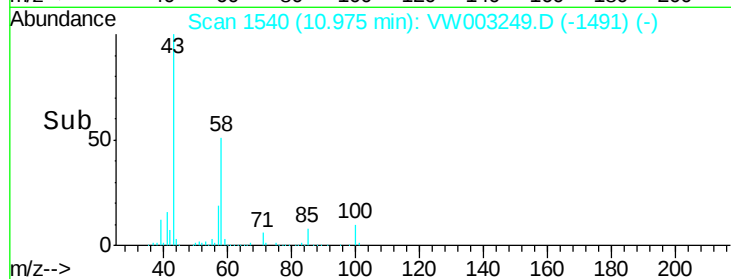
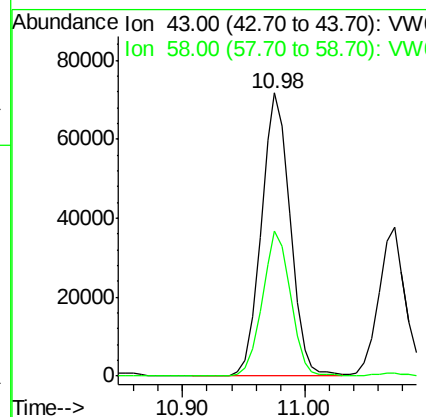
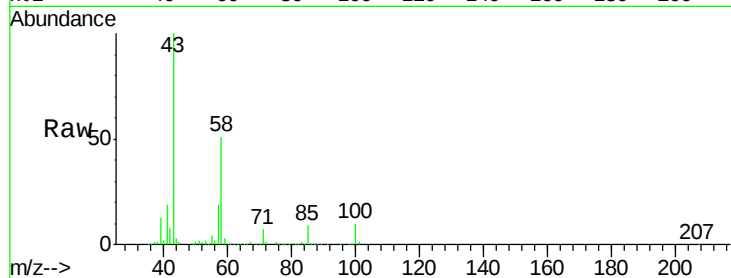




#59
2-Hexanone
Concen: 100.21 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

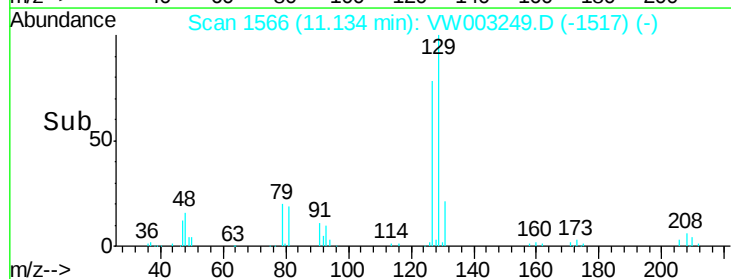
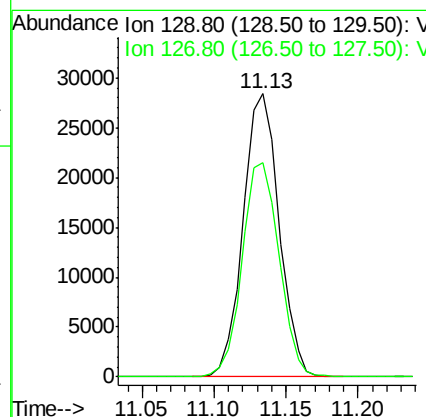
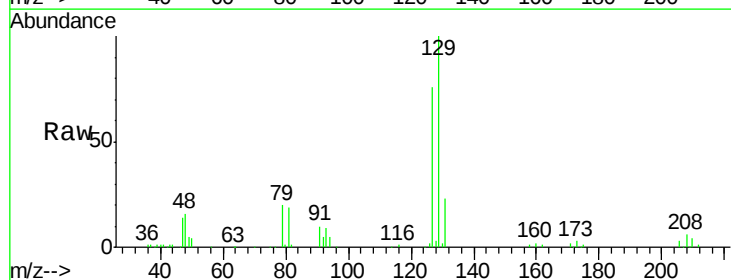
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

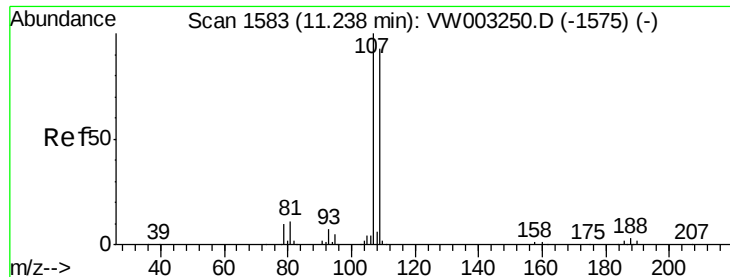
Tgt Ion: 43 Resp: 118403
Ion Ratio Lower Upper
43 100
58 50.1 25.0 75.0



#60
Dibromochloromethane
Concen: 19.56 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion: 129 Resp: 49101
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.5

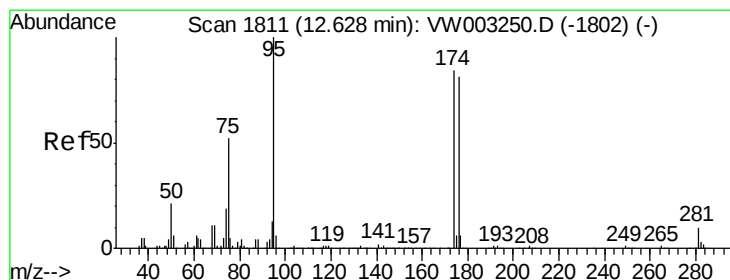
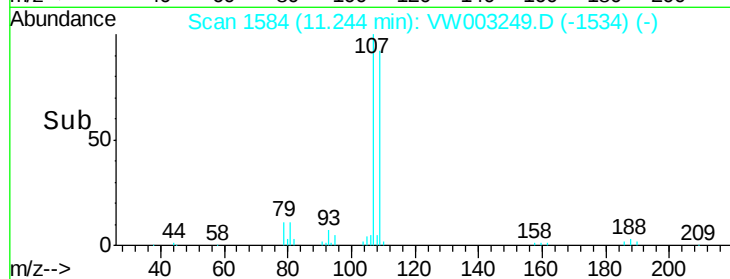
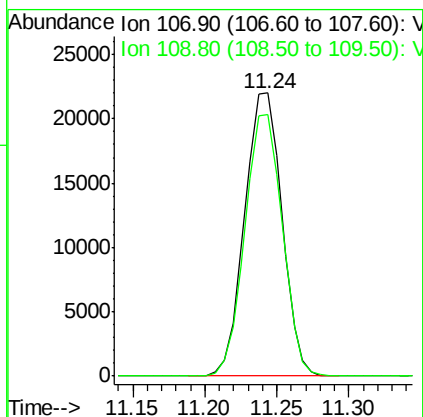
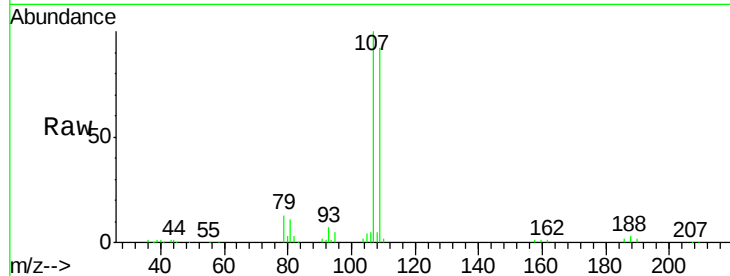




#61
 1,2-Dibromoethane
 Concen: 19.67 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

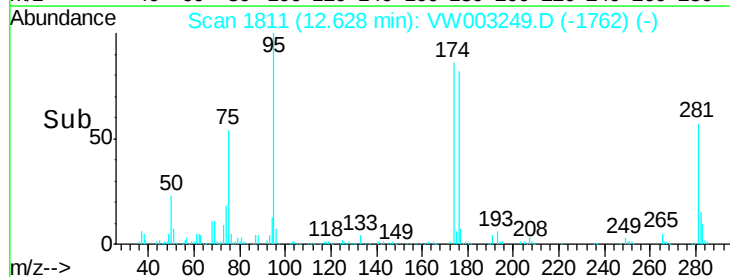
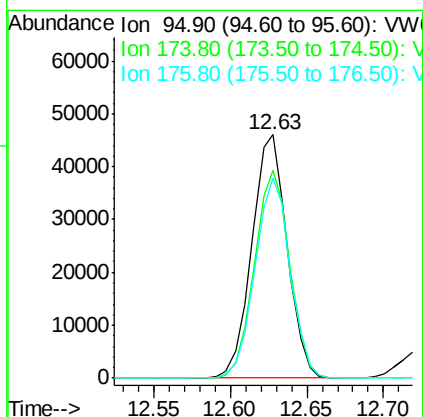
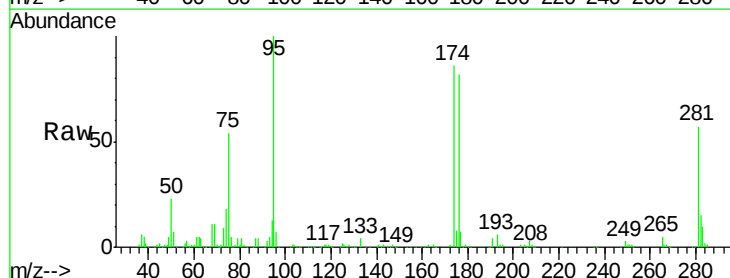
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

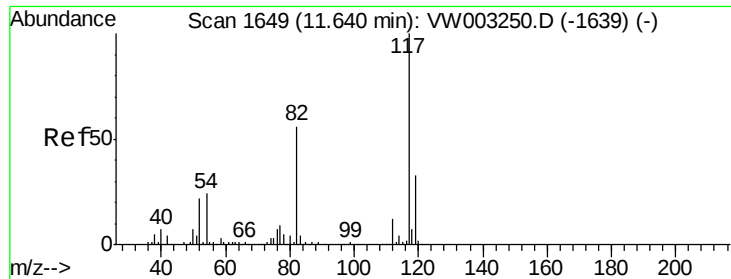
Tgt Ion: 107 Resp: 39554
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 20.73 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Tgt Ion: 95 Resp: 73792
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 166.4
 176 81.8 0.0 162.0

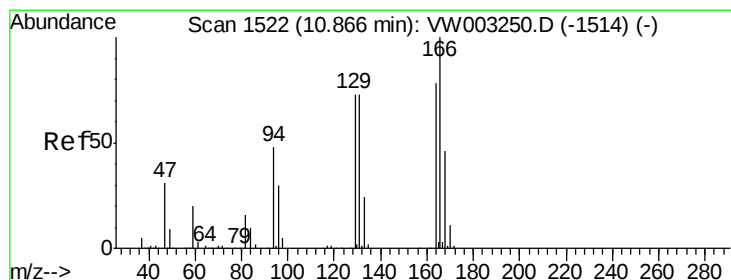
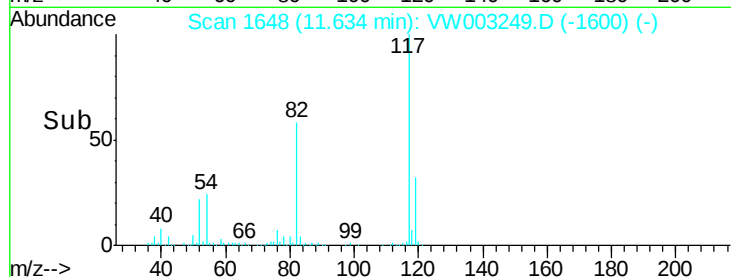
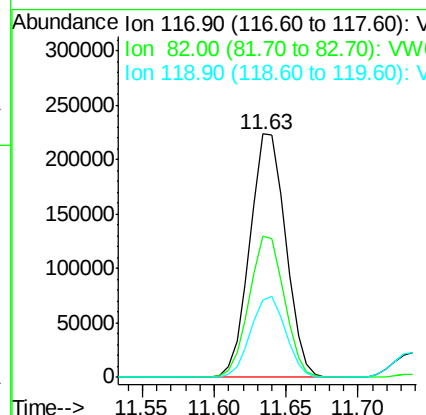
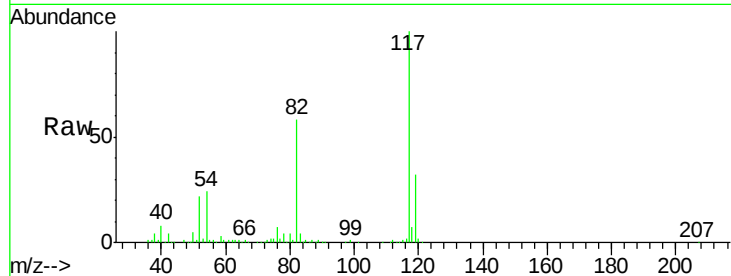




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

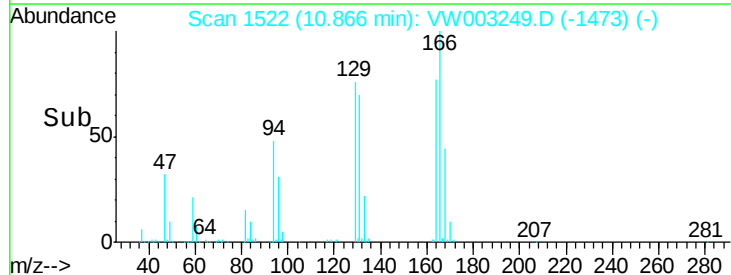
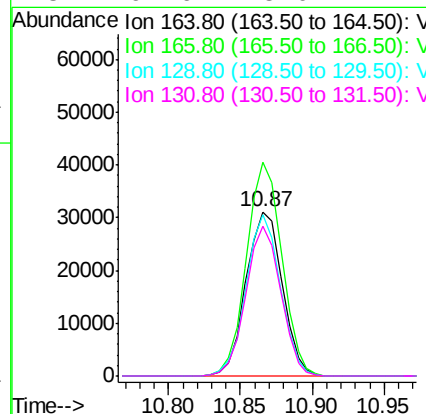
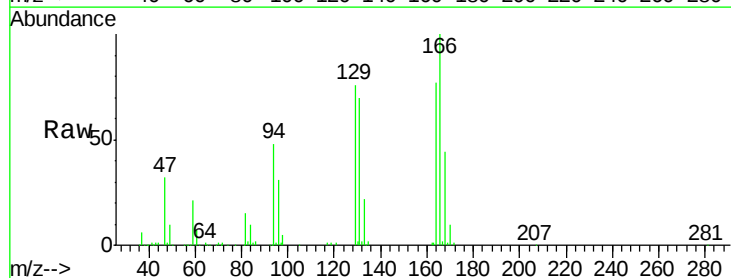
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

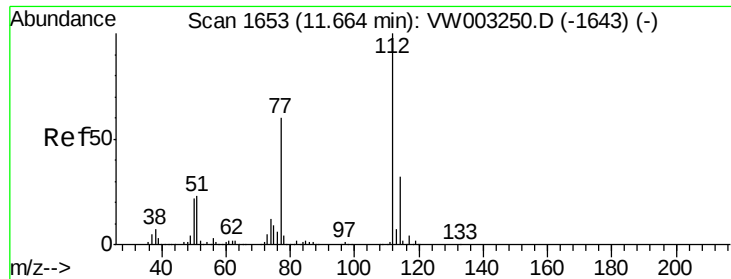
Tgt Ion:117 Resp: 383928
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 31.5 26.7 40.1



#64
Tetrachloroethene
Concen: 19.89 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion:164 Resp: 54069
Ion Ratio Lower Upper
164 100
166 130.3 102.6 154.0
129 98.4 75.2 112.8
131 91.6 75.0 112.4





#65

Chlorobenzene

Concen: 20.64 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

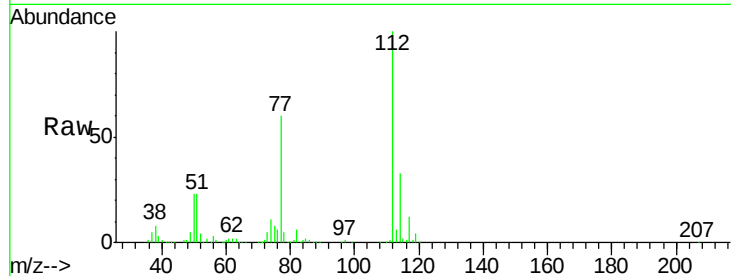
VSTDIC020

Tgt Ion:112 Resp: 162940

Ion Ratio Lower Upper

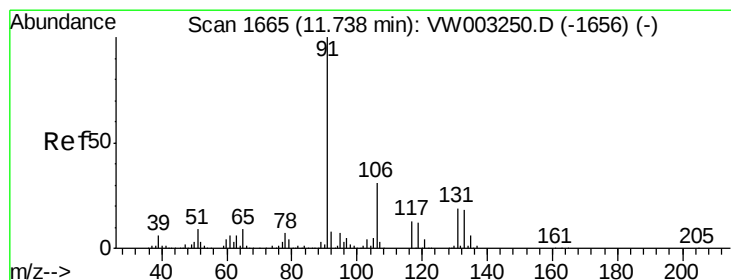
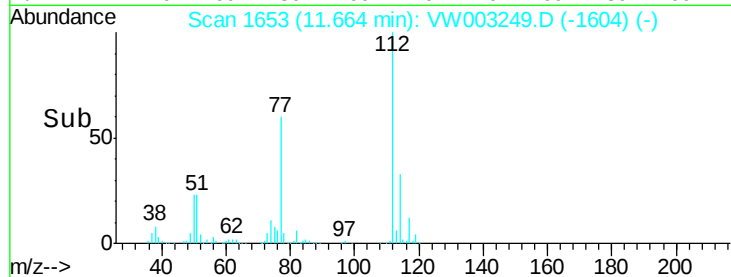
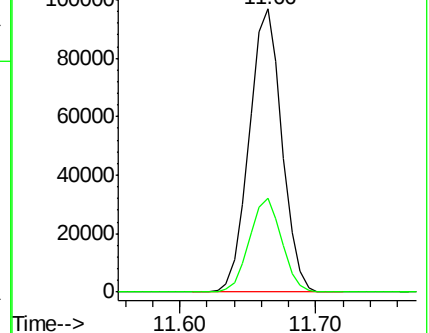
112 100

114 33.2 25.9 38.9



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: 20.81 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

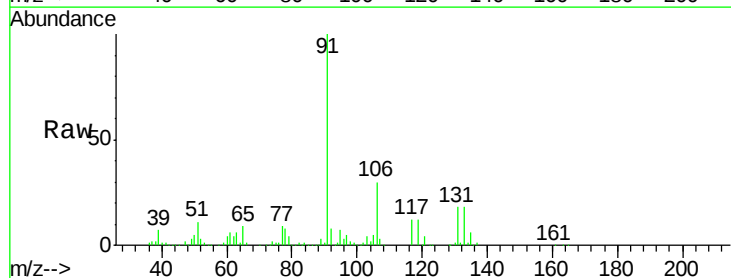
Tgt Ion:131 Resp: 57315

Ion Ratio Lower Upper

131 100

133 95.1 47.3 142.0

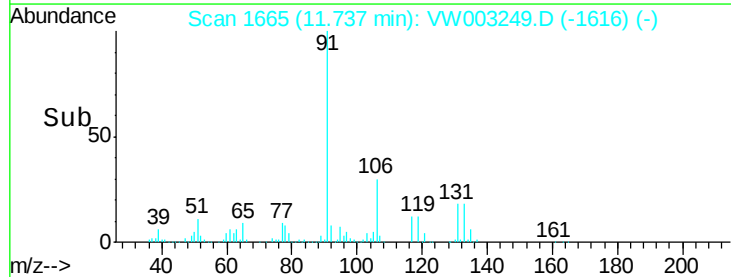
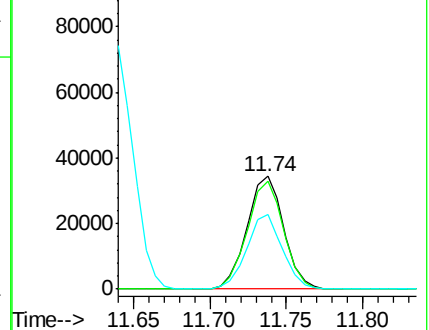
119 64.4 32.5 97.4

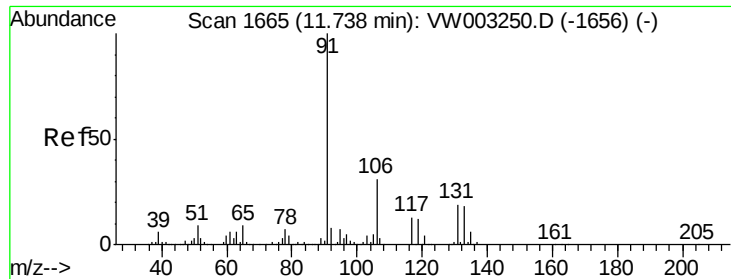


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

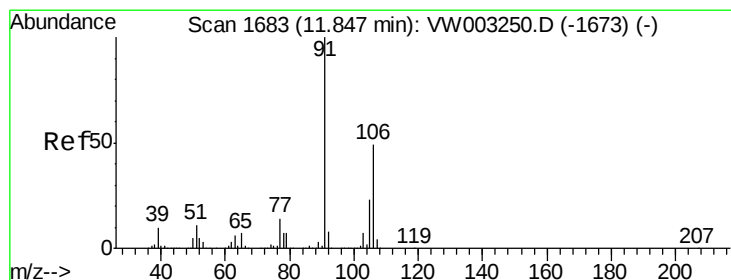
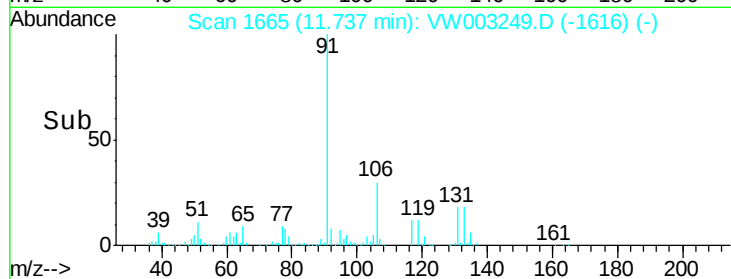
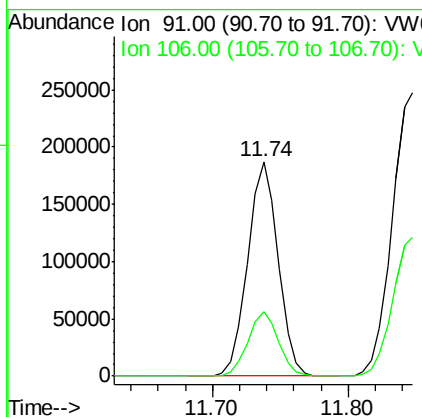
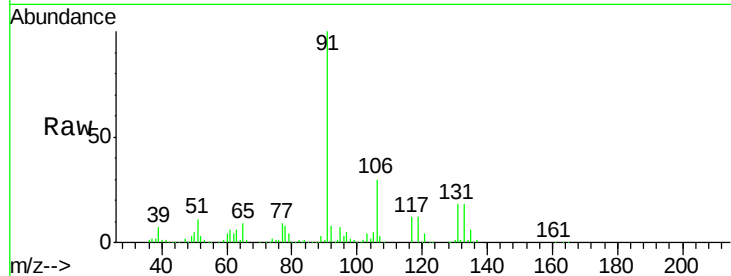




#67
Ethyl Benzene
Concen: 21.06 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

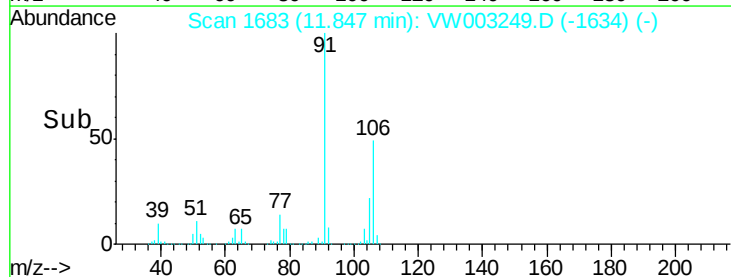
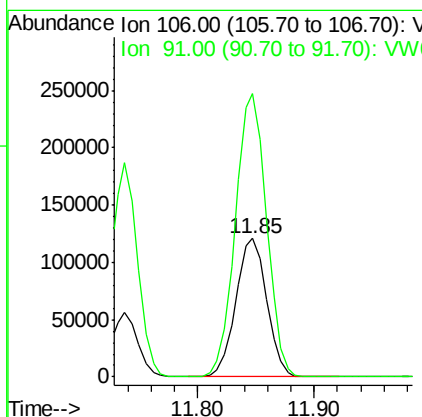
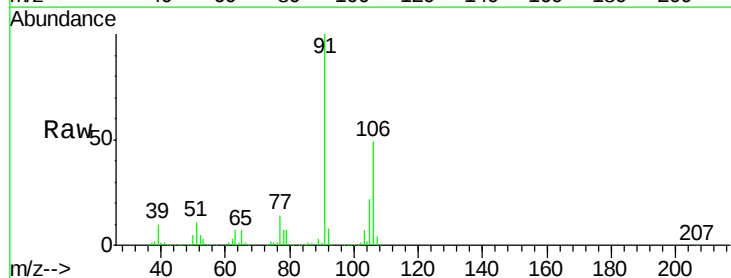
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

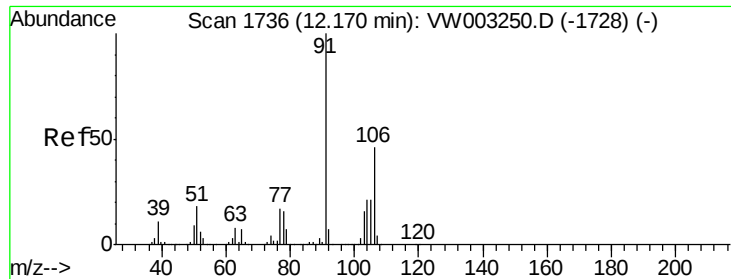
Tgt Ion: 91 Resp: 293969
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1



#68
m/p-Xylenes
Concen: 41.86 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion: 106 Resp: 223440
Ion Ratio Lower Upper
106 100
91 206.1 165.4 248.0

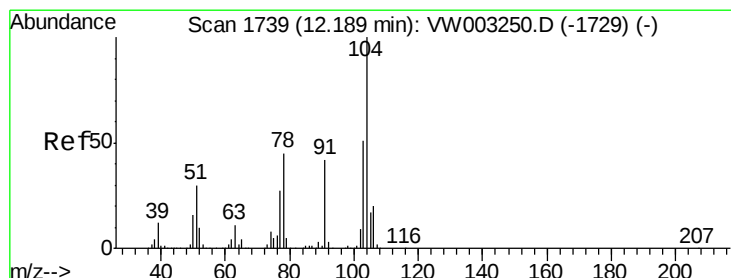
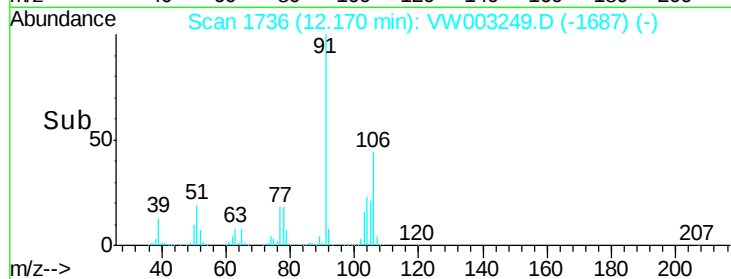
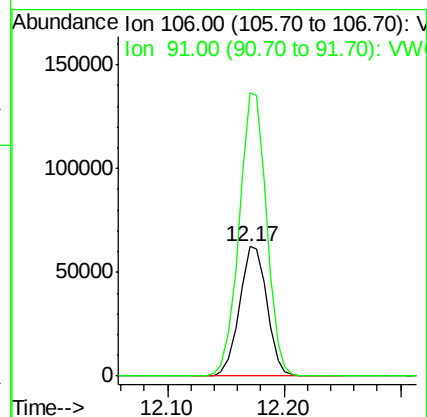
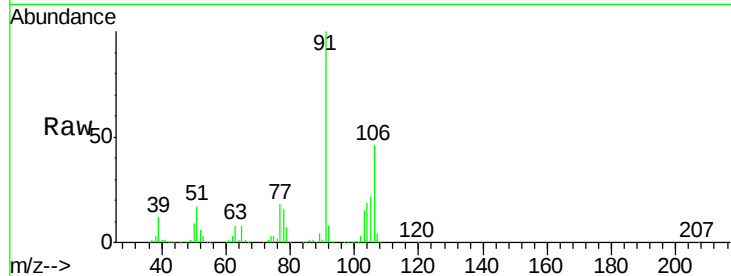




#69
o-Xylene
Concen: 20.41 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

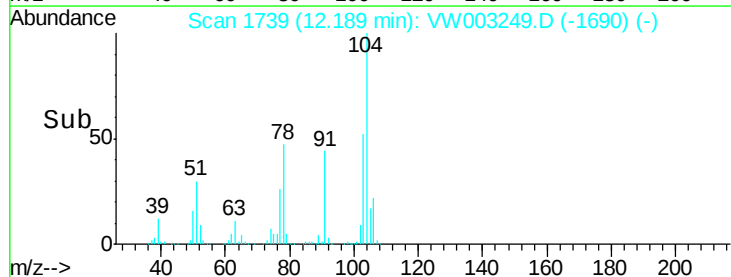
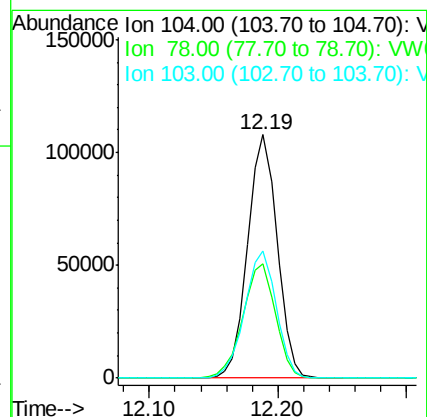
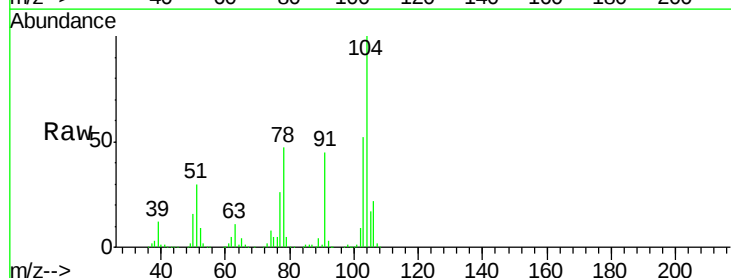
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 102734
Ion Ratio Lower Upper
106 100
91 217.2 108.6 325.6



#70
Styrene
Concen: 20.34 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003249.D
Acq: 13 Jun 2018 16:58

Tgt Ion:104 Resp: 170900
Ion Ratio Lower Upper
104 100
78 51.8 41.3 61.9
103 55.8 45.0 67.4





#71

Bromoform

Concen: 19.89 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

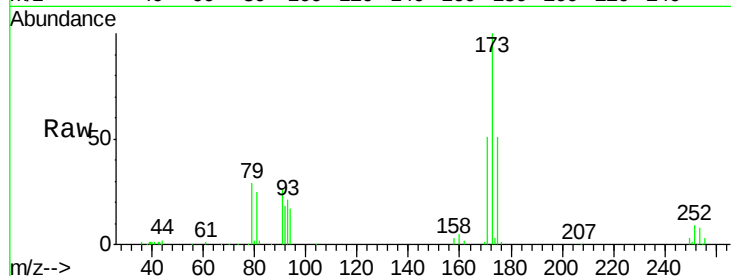
Tgt Ion:173 Resp: 29274

Ion Ratio Lower Upper

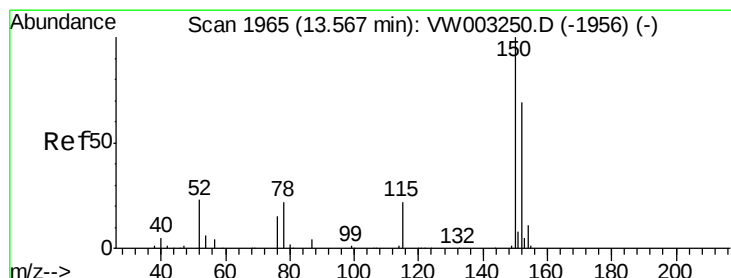
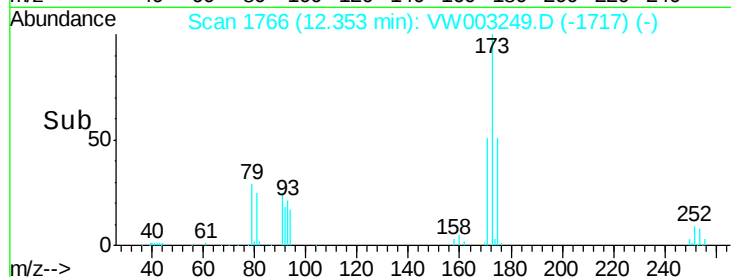
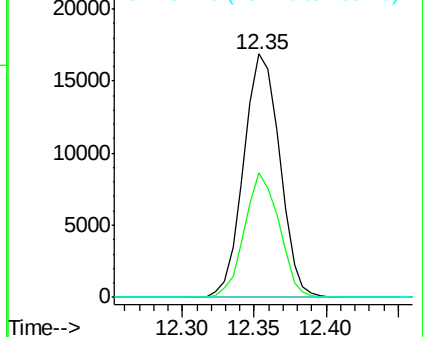
173 100

175 48.9 24.4 73.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

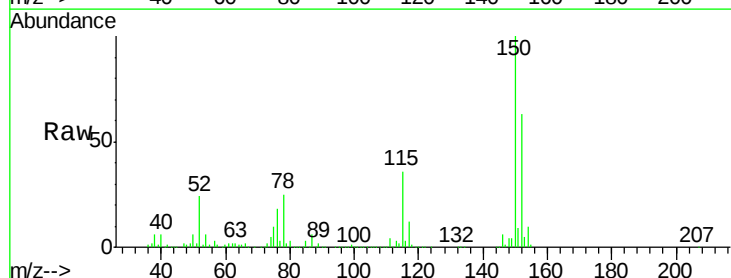
Tgt Ion:152 Resp: 206976

Ion Ratio Lower Upper

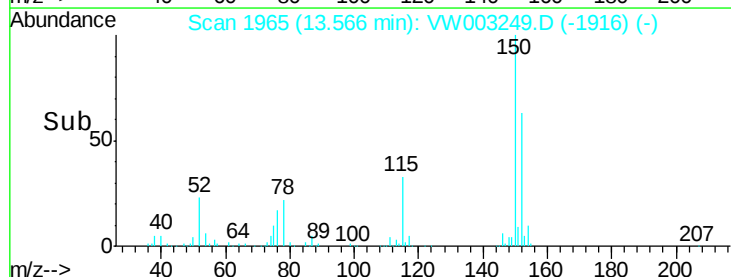
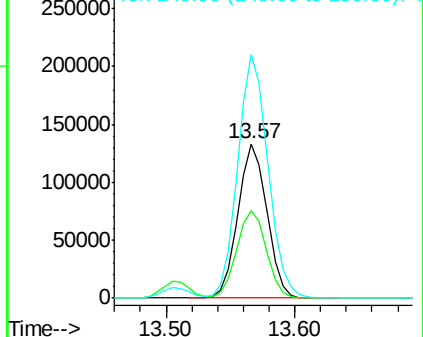
152 100

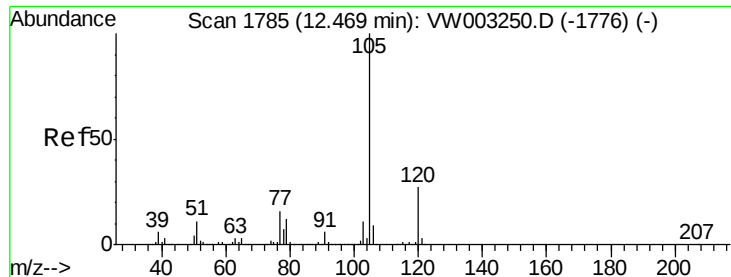
115 57.9 29.3 88.0

150 164.5 0.0 349.6



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: 20.31 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

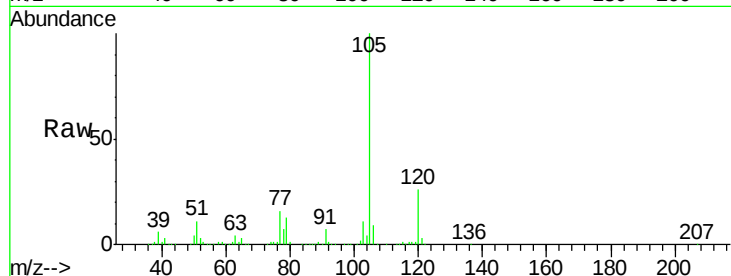
VSTDIC020

Tgt Ion: 105 Resp: 291052

Ion Ratio Lower Upper

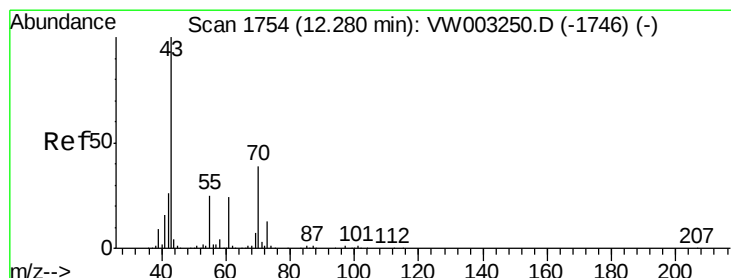
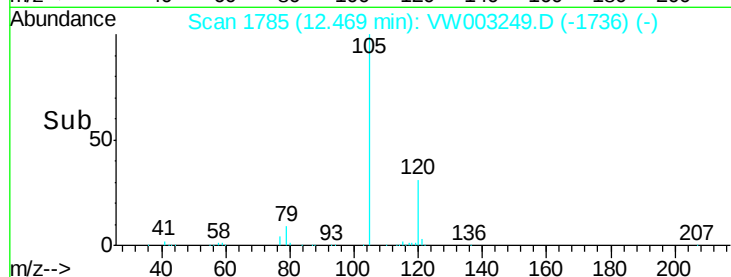
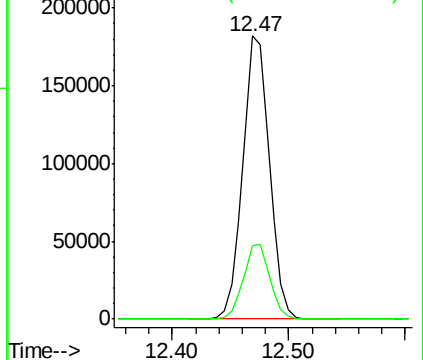
105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.24 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Tgt Ion: 43 Resp: 63517

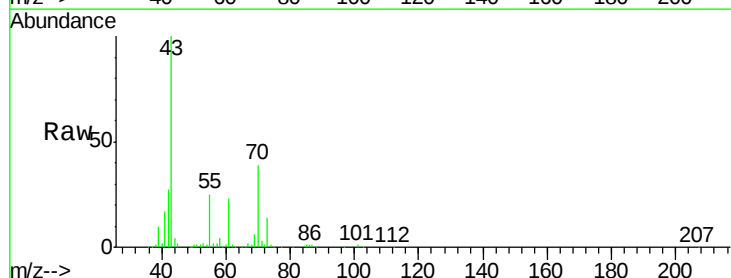
Ion Ratio Lower Upper

43 100

70 38.7 31.0 46.6

55 25.4 19.7 29.5

61 22.3 18.1 27.1

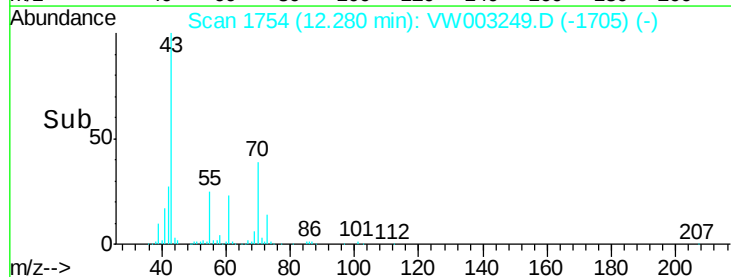
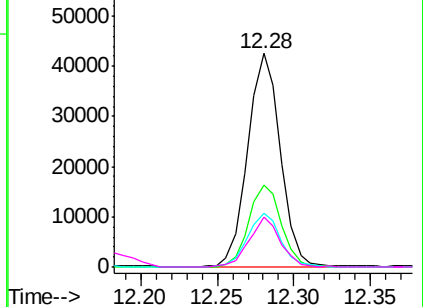


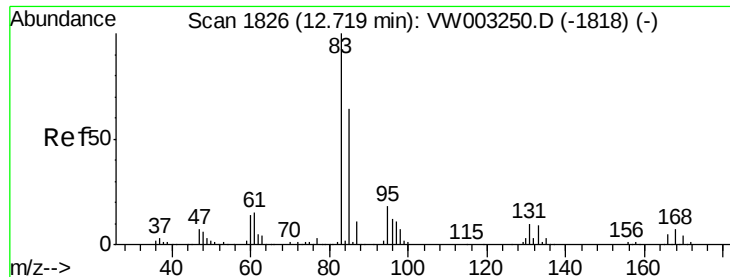
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

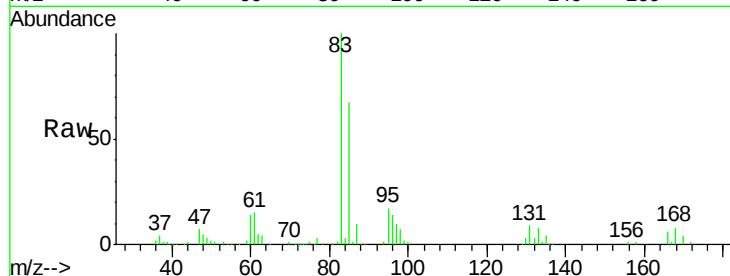




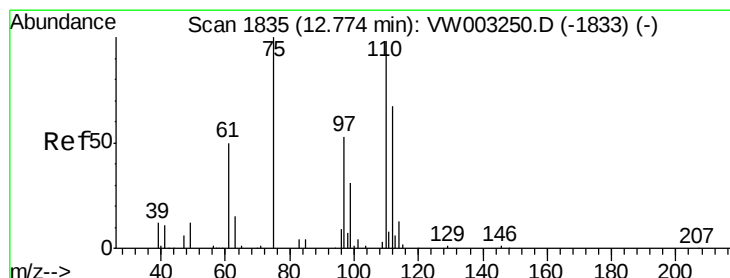
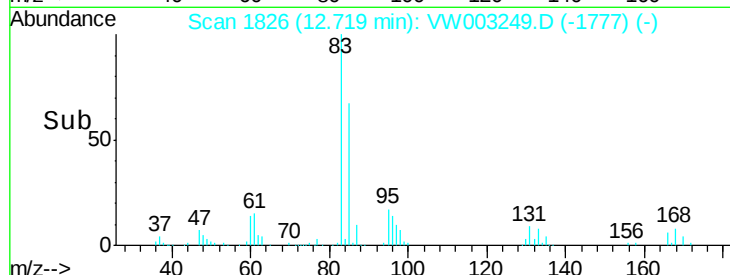
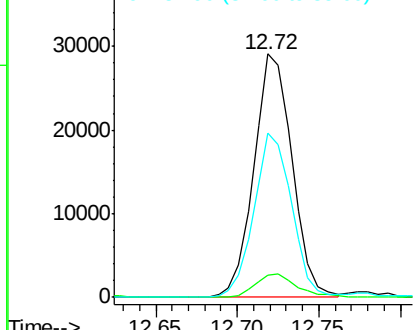
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.49 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 83 Resp: 47574
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.4 16.2
 85 66.7 31.9 95.7

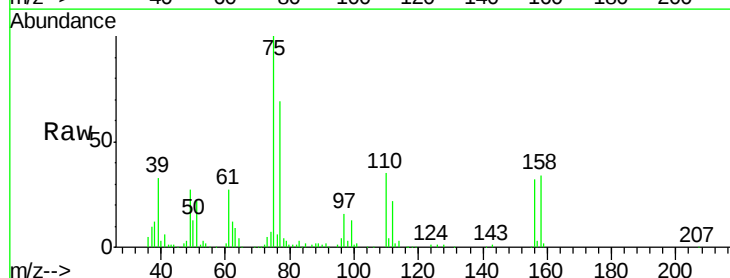


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 130.80 (130.50 to 131.50): VW
 Ion 84.90 (84.60 to 85.60): VW

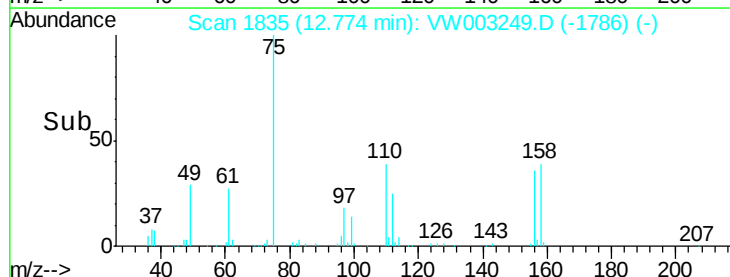
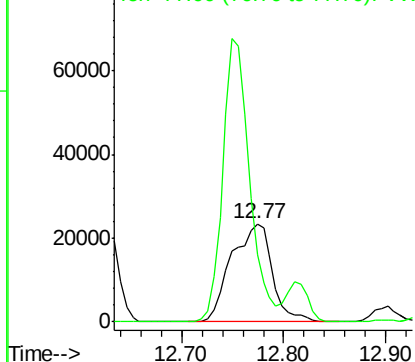


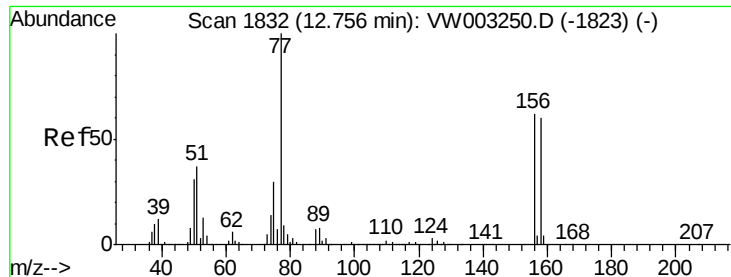
#76
 1,2,3-Trichloropropane
 Concen: 35.69 ug/l
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Tgt Ion: 75 Resp: 65517
 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: 20.28 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

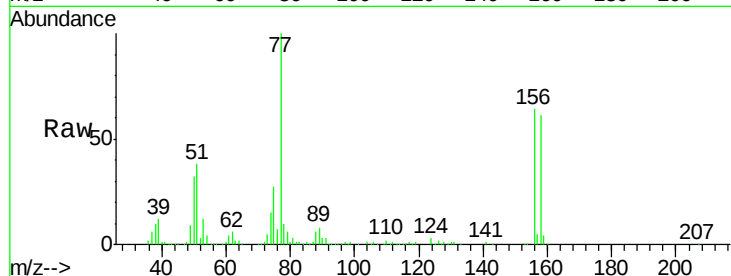
Tgt Ion:156 Resp: 68494

Ion Ratio Lower Upper

156 100

77 179.6 92.3 276.9

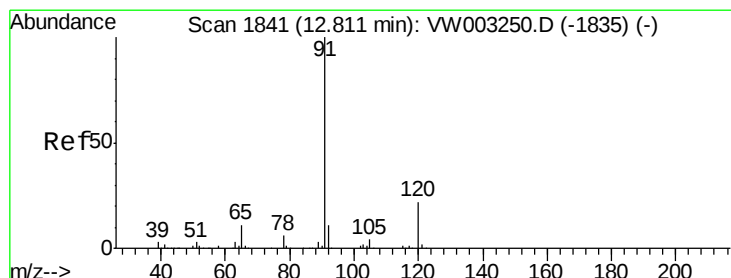
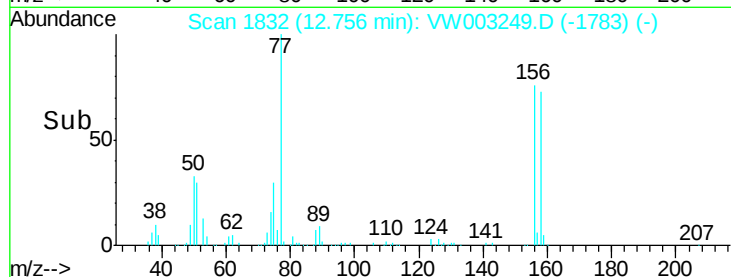
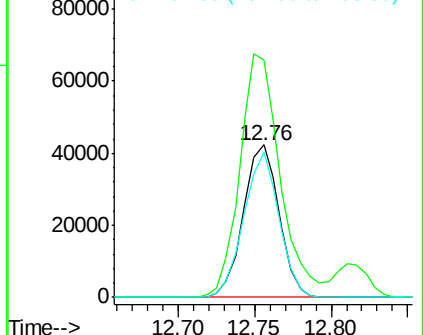
158 94.3 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.27 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003249.D

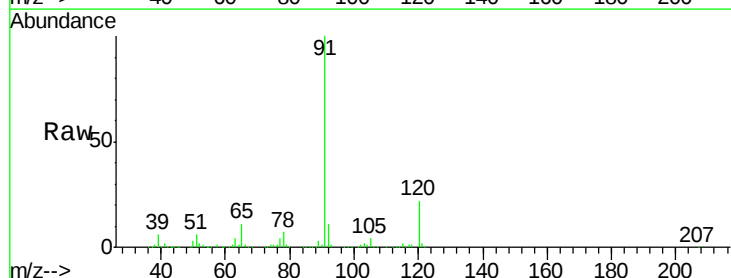
Acq: 13 Jun 2018 16:58

Tgt Ion: 91 Resp: 363898

Ion Ratio Lower Upper

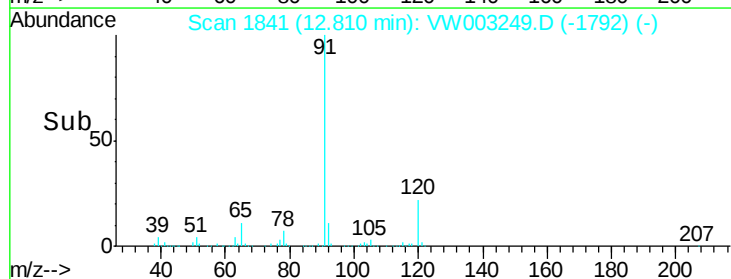
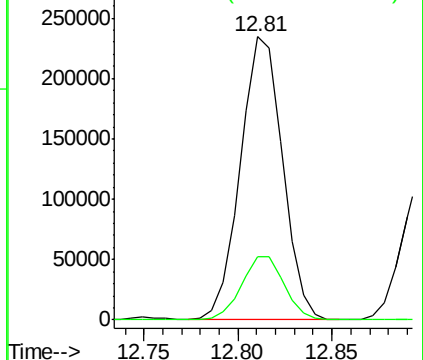
91 100

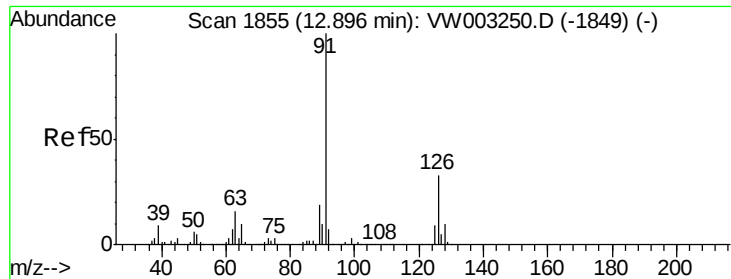
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.96 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

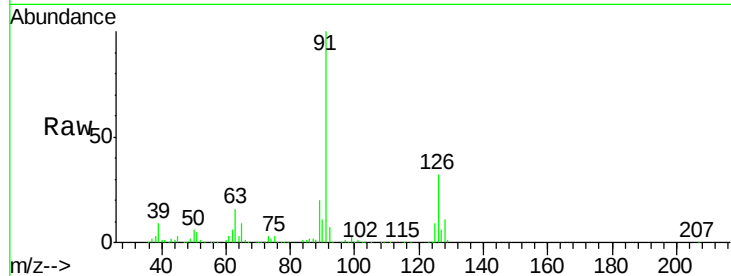
VSTDIC020

Tgt Ion: 91 Resp: 203746

Ion Ratio Lower Upper

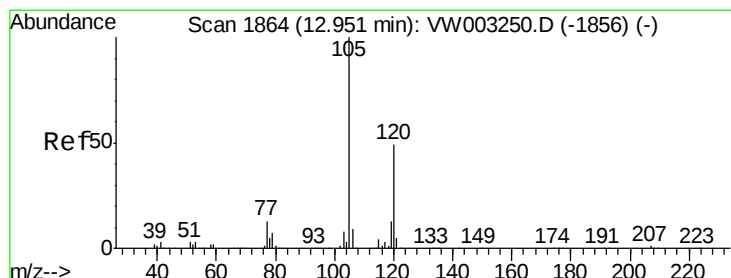
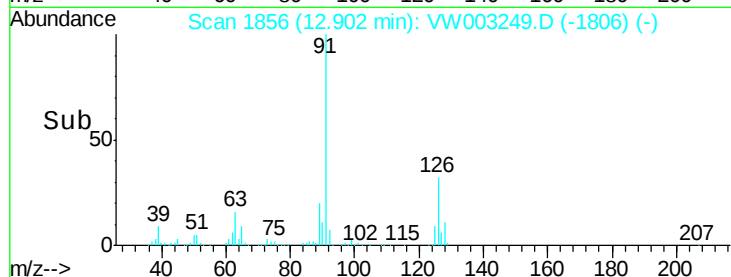
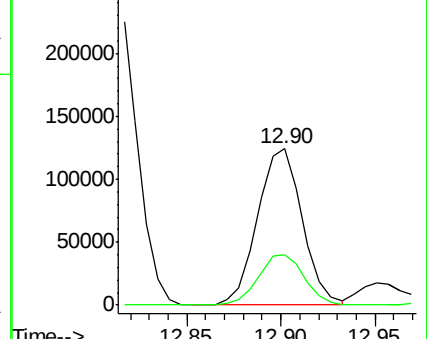
91 100

126 33.0 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.94 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003249.D

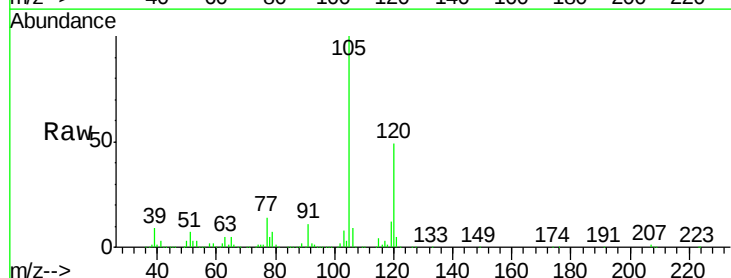
Acq: 13 Jun 2018 16:58

Tgt Ion:105 Resp: 250224

Ion Ratio Lower Upper

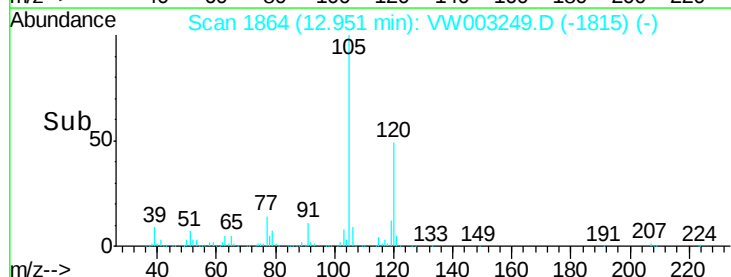
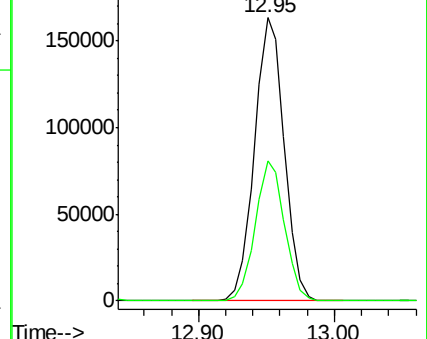
105 100

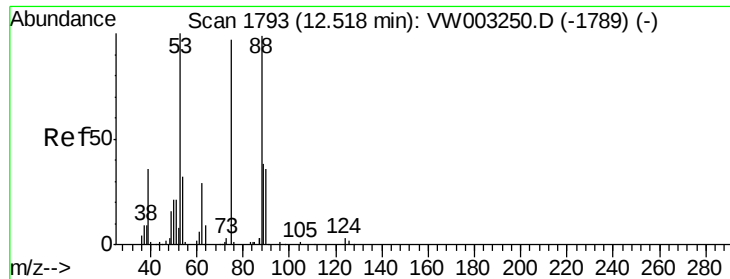
120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.12 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

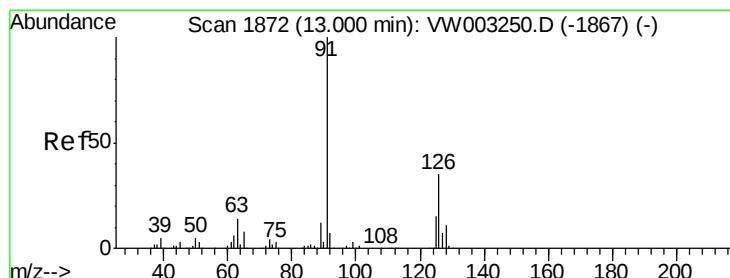
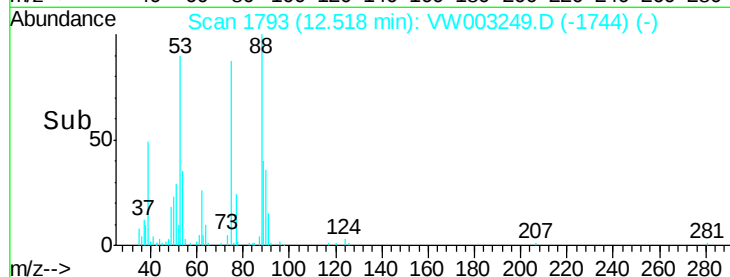
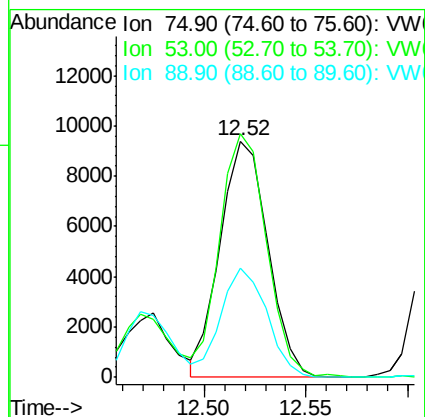
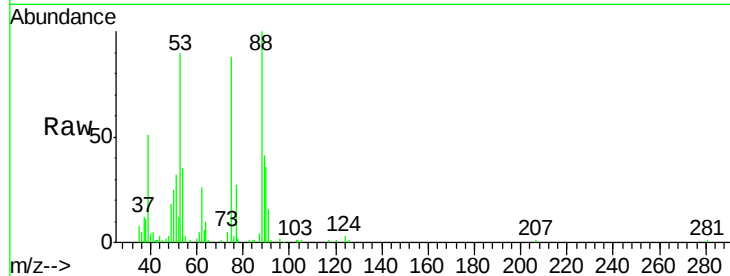
Tgt Ion: 75 Resp: 15286

Ion Ratio Lower Upper

75 100

53 101.1 82.9 124.3

89 44.8 36.7 55.1



#82

4-Chlorotoluene

Concen: 20.85 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW003249.D

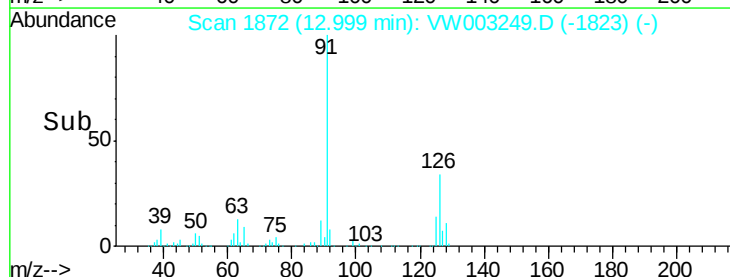
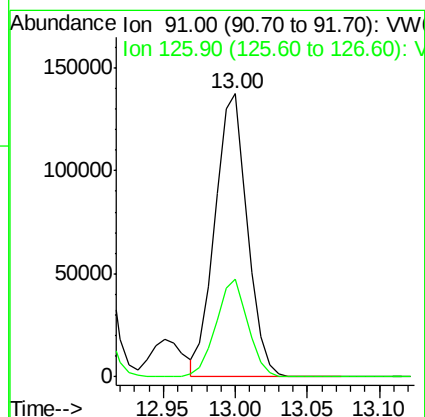
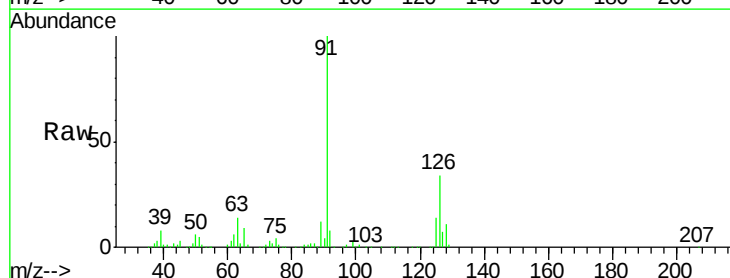
Acq: 13 Jun 2018 16:58

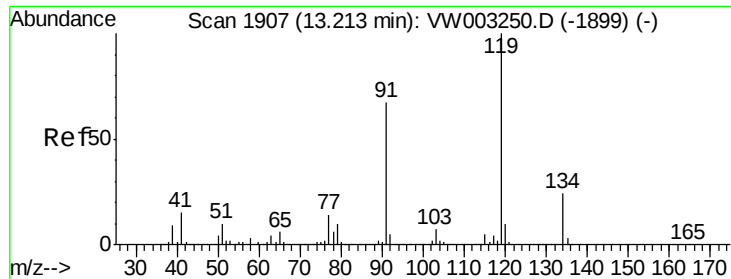
Tgt Ion: 91 Resp: 216384

Ion Ratio Lower Upper

91 100

126 34.0 16.8 50.3

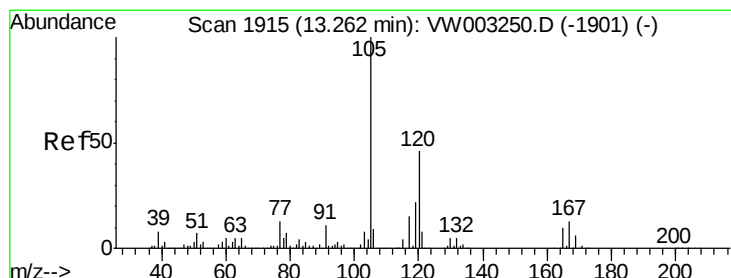
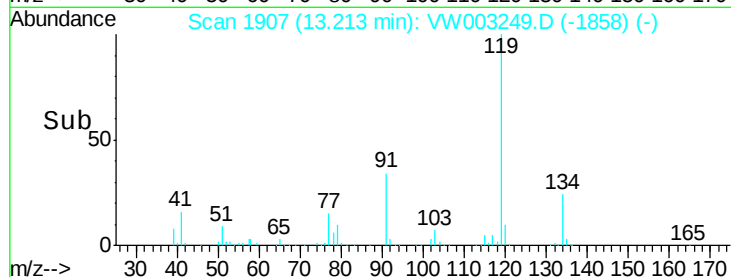
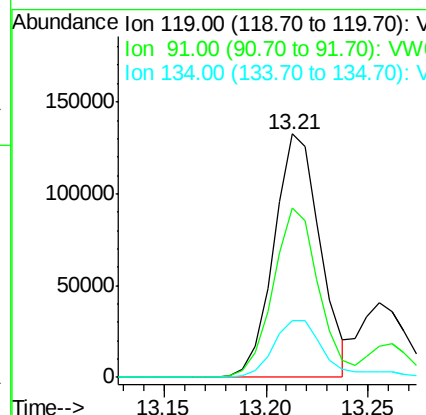
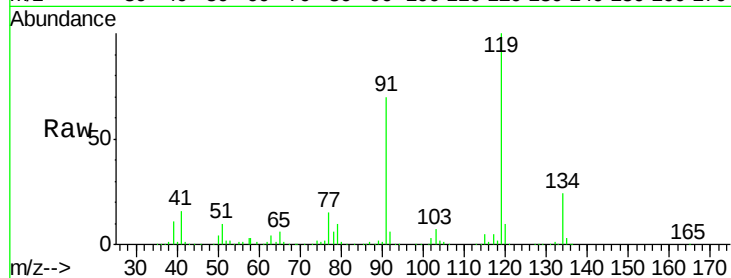




#83
 tert-Butylbenzene
 Concen: 19.88 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

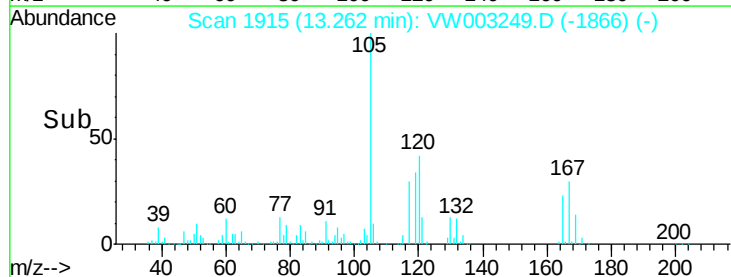
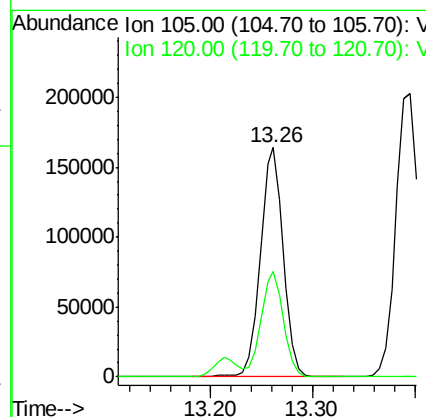
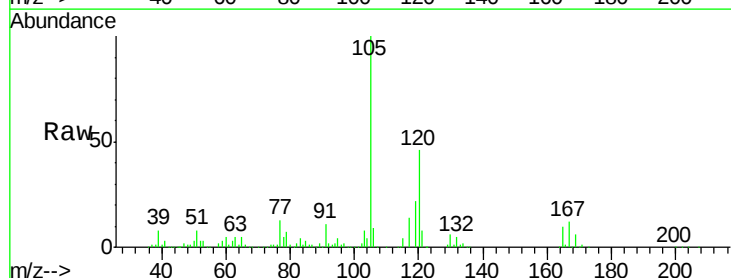
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

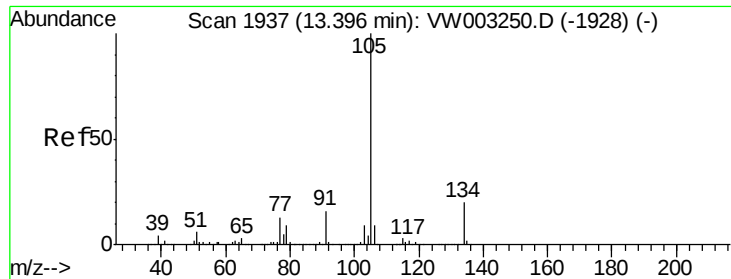
Tgt Ion:119 Resp: 209048
 Ion Ratio Lower Upper
 119 100
 91 68.9 33.9 101.7
 134 26.6 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.81 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Tgt Ion:105 Resp: 256804
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.5 67.5

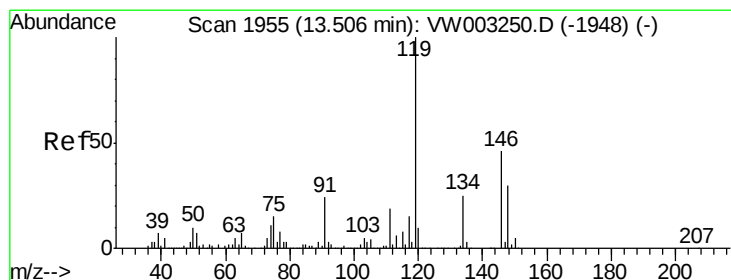
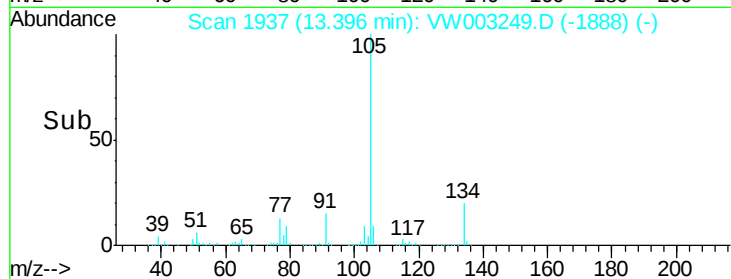
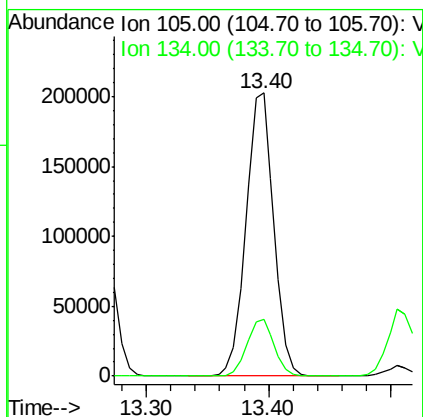
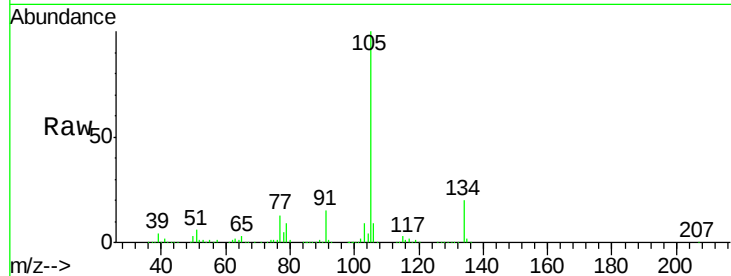




#85
 sec-Butylbenzene
 Concen: 21.22 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

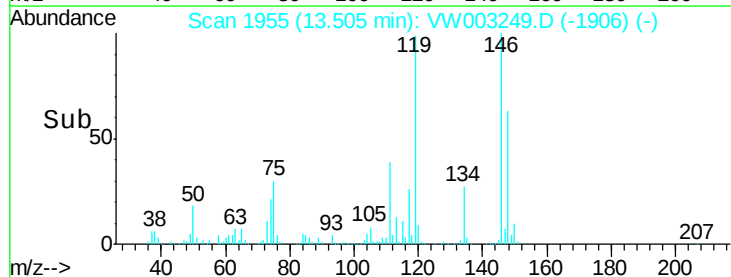
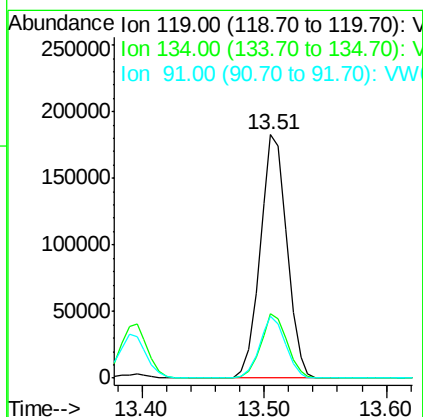
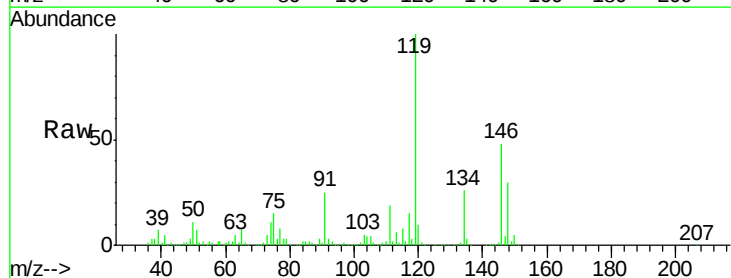
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

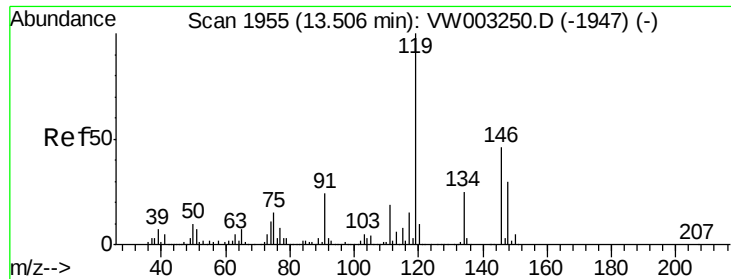
Tgt Ion:105 Resp: 317067
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.86 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Tgt Ion:119 Resp: 278626
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.9 38.7
 91 24.5 11.8 35.3

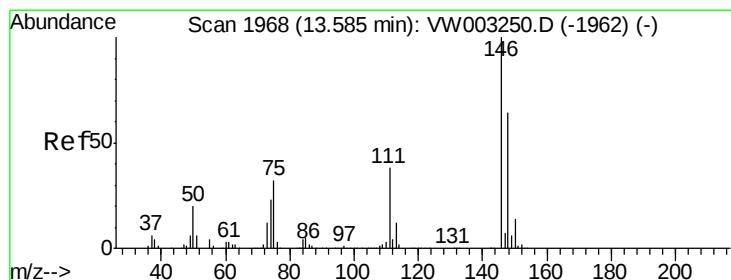
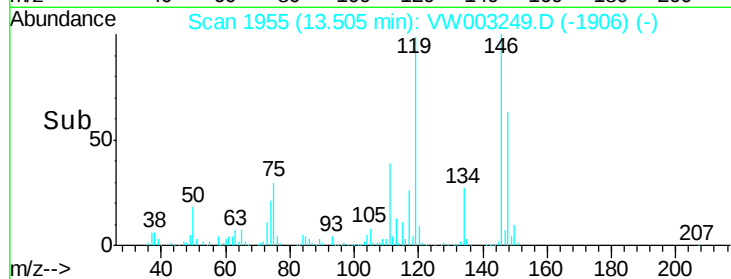
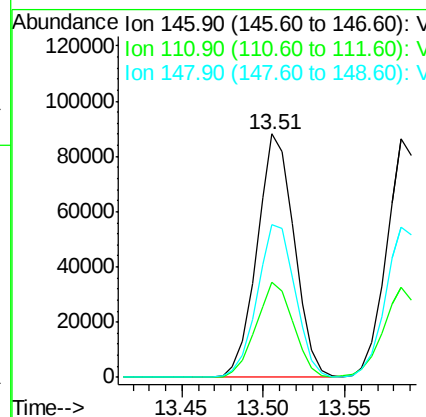
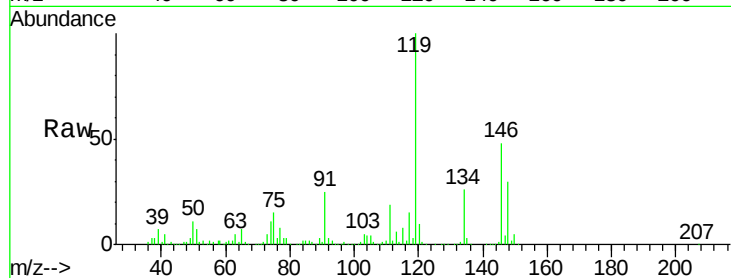




#87
 1,3-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

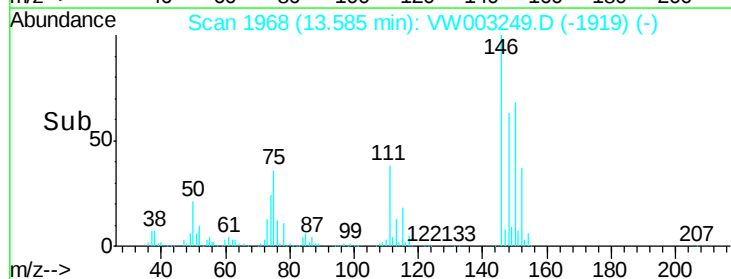
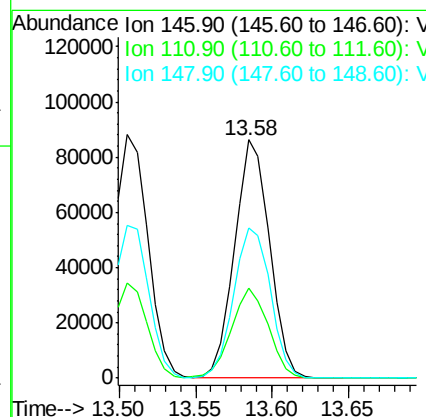
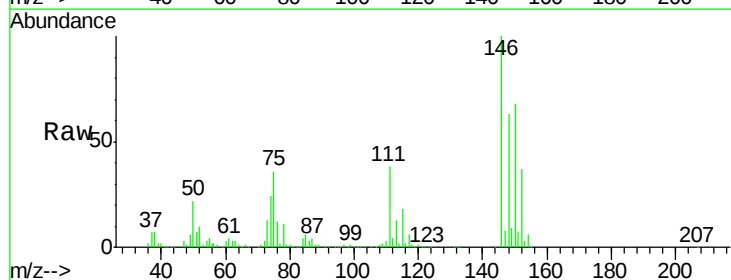
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

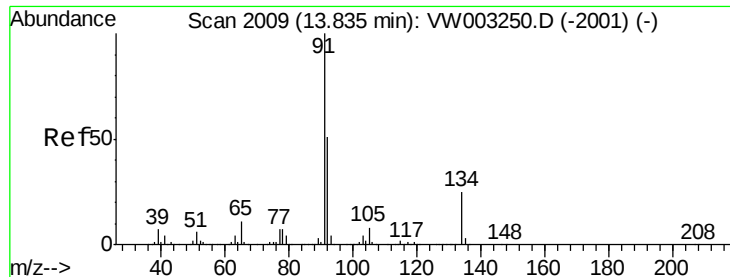
Tgt Ion:146 Resp: 139830
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.8 59.4
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.14 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003249.D
 Acq: 13 Jun 2018 16:58

Tgt Ion:146 Resp: 136816
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.2 57.6
 148 66.2 31.8 95.4





#89

n-Butylbenzene

Concen: 21.54 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

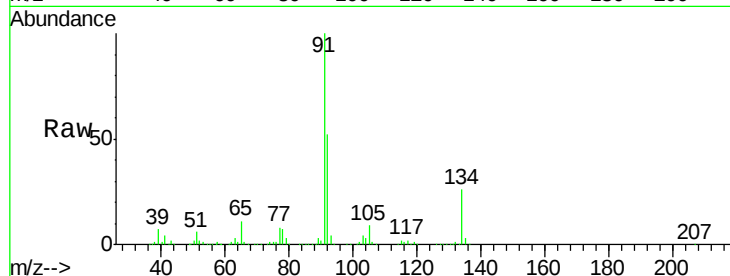
Tgt Ion: 91 Resp: 272233

Ion Ratio Lower Upper

91 100

92 51.8 26.0 78.0

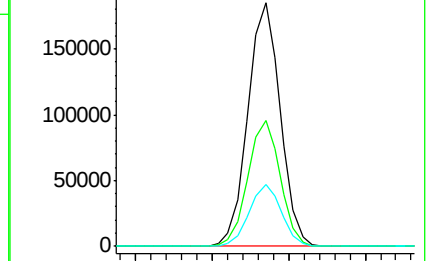
134 25.4 12.7 38.0



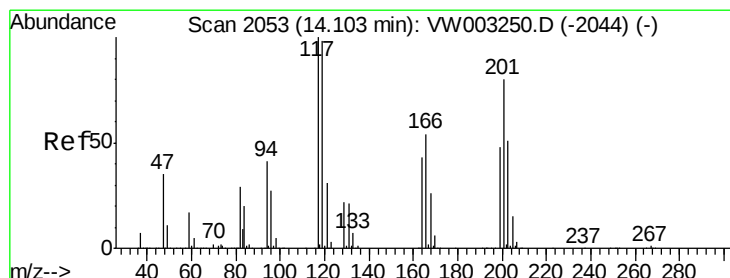
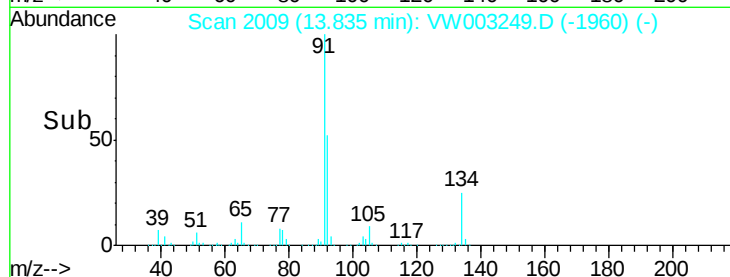
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



Time--> 13.75 13.80 13.85 13.90



#90

Hexachloroethane

Concen: 20.89 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW003249.D

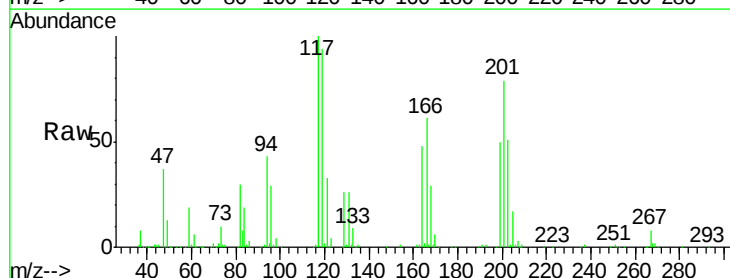
Acq: 13 Jun 2018 16:58

Tgt Ion: 117 Resp: 49556

Ion Ratio Lower Upper

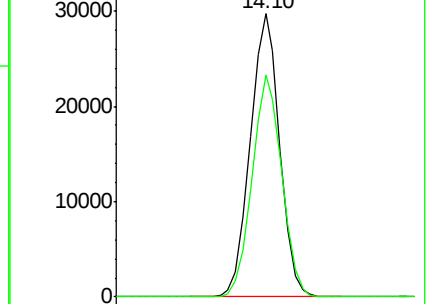
117 100

201 79.1 39.5 118.5

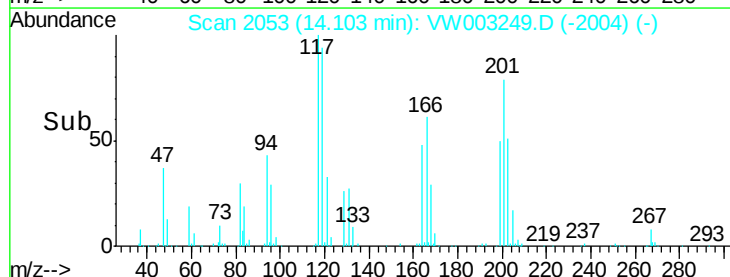


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time--> 14.00 14.10 14.20





#91

1,2-Dichlorobenzene

Concen: 20.27 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

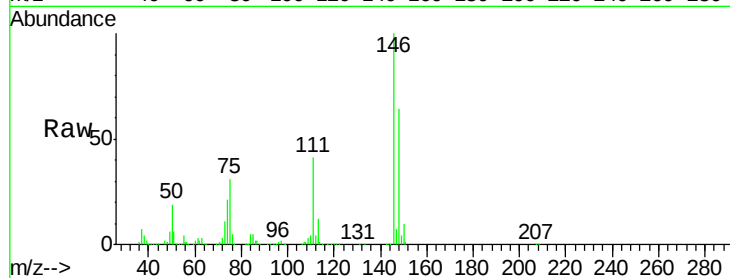
Tgt Ion:146 Resp: 122719

Ion Ratio Lower Upper

146 100

111 41.0 20.3 61.0

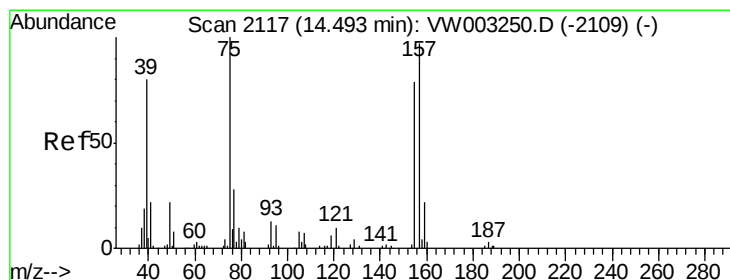
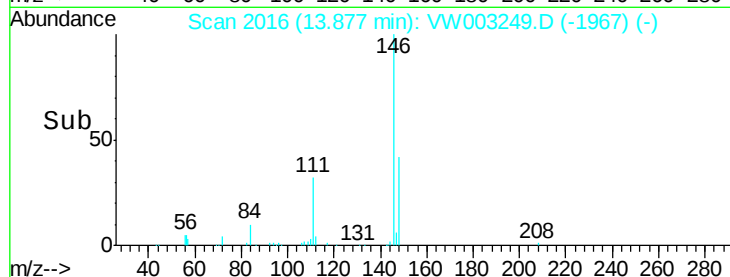
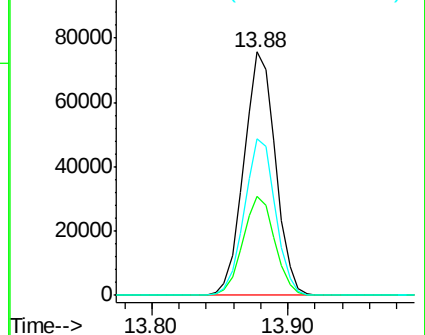
148 63.4 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.96 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

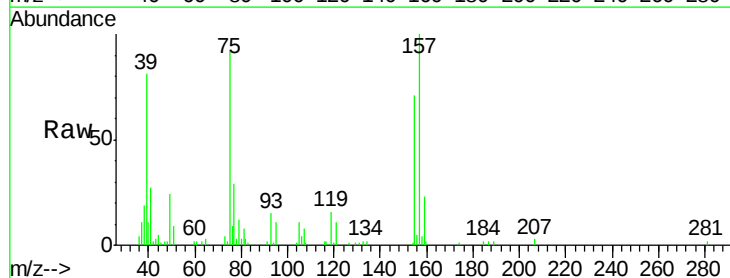
Tgt Ion: 75 Resp: 7949

Ion Ratio Lower Upper

75 100

155 80.9 39.4 118.2

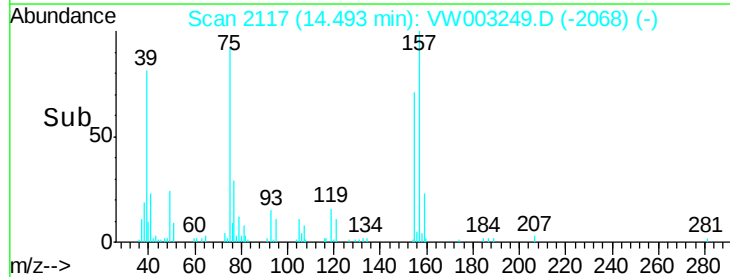
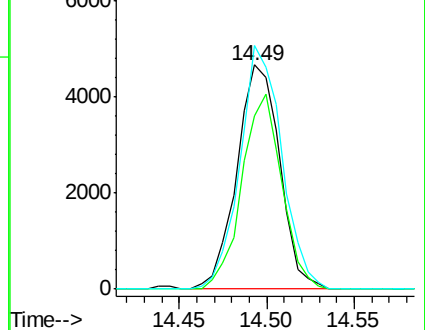
157 106.3 51.5 154.5

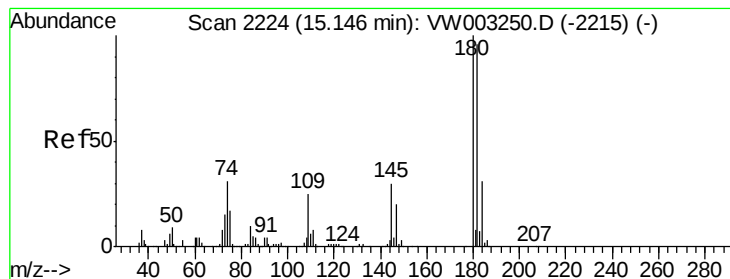


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.05 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

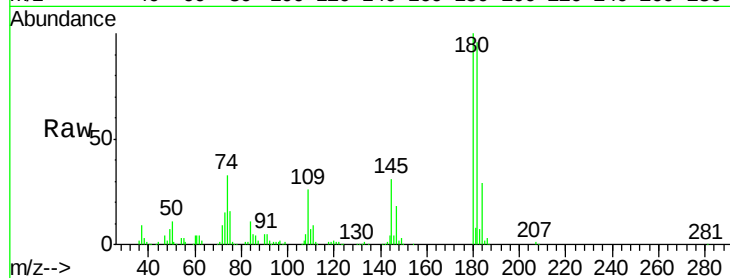
Tgt Ion:180 Resp: 86436

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.6

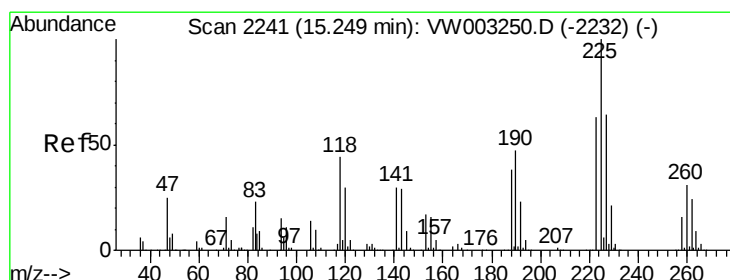
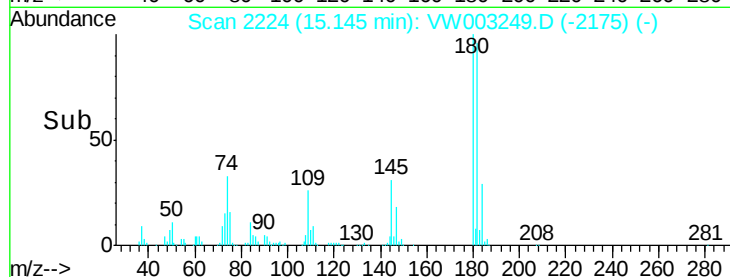
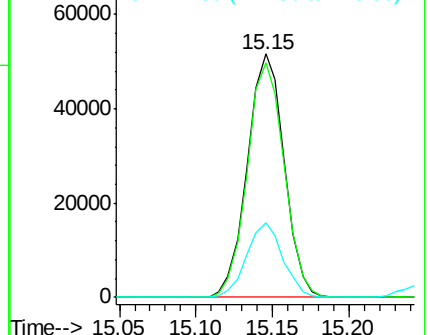
145 30.1 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.10 ug/l

RT: 15.25 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

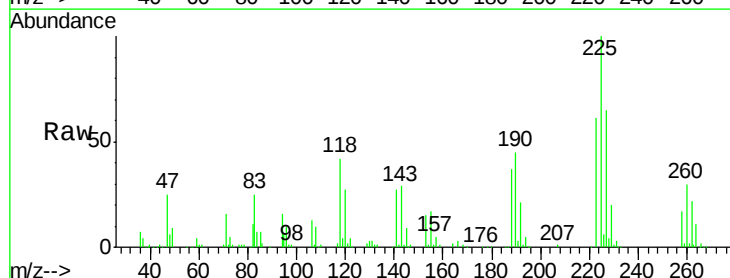
Tgt Ion:225 Resp: 53314

Ion Ratio Lower Upper

225 100

223 62.0 30.6 92.0

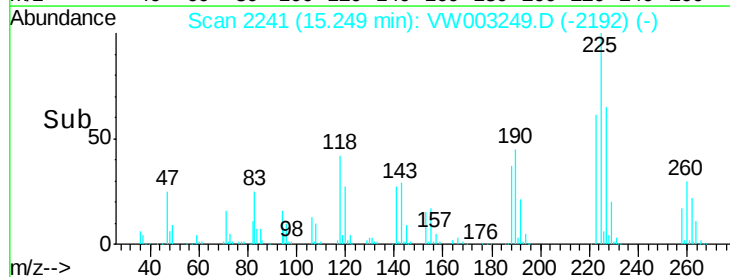
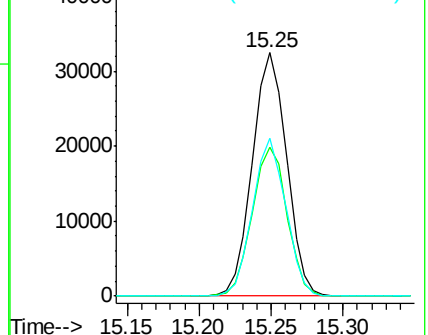
227 62.9 31.7 95.1

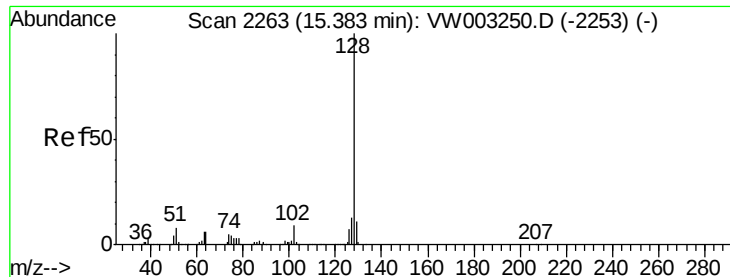


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.57 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

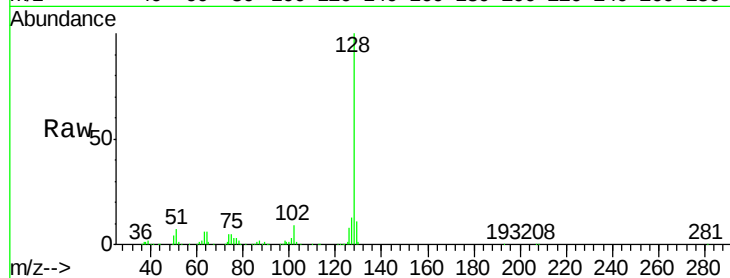
Tgt Ion:128 Resp: 141598

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

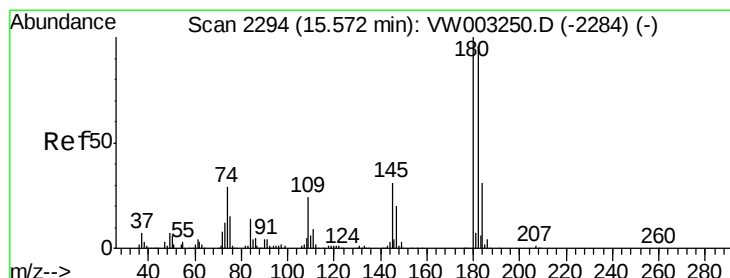
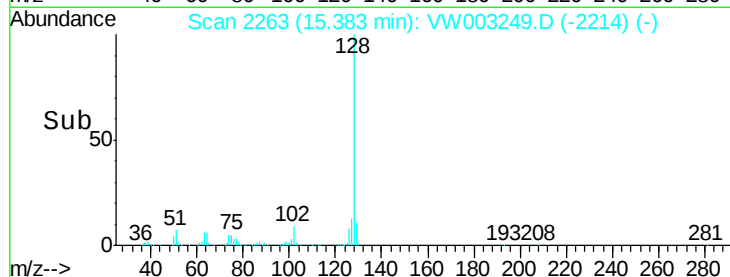
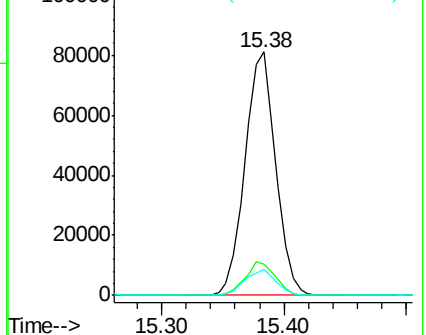
129 10.7 8.9 13.3



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: 20.20 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW003249.D

Acq: 13 Jun 2018 16:58

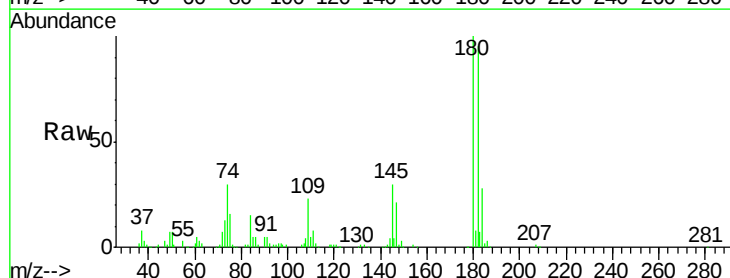
Tgt Ion:180 Resp: 76649

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.6

145 31.1 15.8 47.4



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

