

Data File : VW003504.D
Acq On : 24 Jun 2018 12:28
Operator : SY/AP
Sample : VW0624SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Quant Time: Jun 24 23:23:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	399419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	363397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	193522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139894	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.88	113	124809	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.33	98	509543	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.62	95	179034	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22119	28.064	ug/l	90
3) Chloromethane	2.21	50	37813	18.989	ug/l	92
4) Vinyl Chloride	2.36	62	57521	19.815	ug/l	98
5) Bromomethane	2.78	94	34364	17.810	ug/l	99
6) Chloroethane	2.92	64	37395	18.506	ug/l	97
7) Trichlorofluoromethane	3.25	101	36742	21.127	ug/l	95
8) Diethyl Ether	3.68	74	27137	21.241	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50453	20.892	ug/l	99
10) Methyl Iodide	4.26	142	74382	20.366	ug/l	100
11) Tert butyl alcohol	5.26	59	14864	98.151	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	49230	20.861	ug/l	94
13) Acrolein	3.89	56	16075	74.243	ug/l	97
14) Allyl chloride	4.66	41	84904	20.770	ug/l	99
15) Acrylonitrile	5.38	53	50719	96.492	ug/l	99
16) Acetone	4.15	43	59464	100.408	ug/l	98
17) Carbon Disulfide	4.37	76	142746	20.460	ug/l	99
18) Methyl Acetate	4.68	43	25243	17.967	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	86084	19.476	ug/l	97
20) Methylene Chloride	4.90	84	53411	18.951	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	51516	20.058	ug/l	98
22) Diisopropyl ether	6.31	45	168266	20.453	ug/l	96
23) Vinyl Acetate	6.26	43	464968	98.073	ug/l	100
24) 1,1-Dichloroethane	6.21	63	100852	20.649	ug/l	98
25) 2-Butanone	7.19	43	73808	100.226	ug/l	97
26) 2,2-Dichloropropane	7.17	77	67966	20.851	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57611	20.419	ug/l	98
28) Bromochloromethane	7.51	49	37859	18.627	ug/l	98
29) Tetrahydrofuran	7.54	42	42439	94.294	ug/l	98
30) Chloroform	7.68	83	102671	20.634	ug/l	99
31) Cyclohexane	7.95	56	93562	20.505	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	84521	20.579	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82518	21.392	ug/l	99
37) Ethyl Acetate	7.26	43	31545	19.740	ug/l	100
38) Carbon Tetrachloride	8.07	117	79421	20.990	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95525	21.403	ug/l	96
40) Benzene	8.32	78	225216	21.182	ug/l	100
41) Methacrylonitrile	7.49	41	18537	18.903	ug/l	98
42) 1,2-Dichloroethane	8.40	62	68804	20.654	ug/l	98
43) Isopropyl Acetate	8.43	43	59406	18.722	ug/l	97
44) Trichloroethene	9.09	130	58726	20.844	ug/l	96
45) 1,2-Dichloropropane	9.37	63	56896	21.017	ug/l	98
46) Dibromomethane	9.46	93	27789	20.049	ug/l	97
47) Bromodichloromethane	9.65	83	72533	20.416	ug/l	99
48) Methyl methacrylate	9.44	41	28897	19.379	ug/l	98
49) 1,4-Dioxane	9.49	88	7782	371.857	ug/l	92
51) 4-Methyl-2-Pentanone	10.22	43	155592	96.232	ug/l	100
52) Toluene	10.39	92	142182	20.853	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	71746	19.769	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	83877	20.306	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38442	19.683	ug/l	98
56) Ethyl methacrylate	10.65	69	45458	19.167	ug/l	97
57) 1,3-Dichloropropane	10.93	76	68253	20.262	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	104170	97.979	ug/l	99
59) 2-Hexanone	10.98	43	111347	98.580	ug/l	99
60) Dibromochloromethane	11.13	129	45508	19.593	ug/l	99
61) 1,2-Dibromoethane	11.24	107	36142	19.563	ug/l	100
64) Tetrachloroethene	10.87	164	50067	20.599	ug/l	96
65) Chlorobenzene	11.66	112	155959	20.609	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	53577	20.147	ug/l	98
67) Ethyl Benzene	11.74	91	279051	20.803	ug/l	100
68) m/p-Xylenes	11.85	106	213979	41.963	ug/l	100
69) o-Xylene	12.17	106	97543	20.640	ug/l	99
70) Styrene	12.19	104	162020	20.597	ug/l	99
71) Bromoform	12.35	173	25927	18.812	ug/l #	99
73) Isopropylbenzene	12.47	105	279104	20.735	ug/l	99
74) N-amyl acetate	12.28	43	58149	18.980	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43688	19.185	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	60120	36.340	ug/l #	100
77) Bromobenzene	12.76	156	63195	20.160	ug/l	97
78) n-propylbenzene	12.81	91	350165	21.245	ug/l	100
79) 2-Chlorotoluene	12.90	91	193776	20.804	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	238492	21.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13072	18.182	ug/l	95
82) 4-Chlorotoluene	12.99	91	206886	20.938	ug/l	100
83) tert-Butylbenzene	13.21	119	201534	20.931	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	246577	21.216	ug/l	100
85) sec-Butylbenzene	13.39	105	305677	21.358	ug/l	100
86) p-Isopropyltoluene	13.51	119	268287	21.254	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	134029	20.813	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	133668	20.879	ug/l	99
89) n-Butylbenzene	13.84	91	263972	21.453	ug/l	100
90) Hexachloroethane	14.10	117	47062	20.610	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	116908	20.725	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7254	18.929	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062418\
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	82182	20.753	ug/l	99
94) Hexachlorobutadiene	15.25	225	50878	21.359	ug/l	99
95) Naphthalene	15.38	128	128411	19.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	70390	20.194	ug/l	99

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

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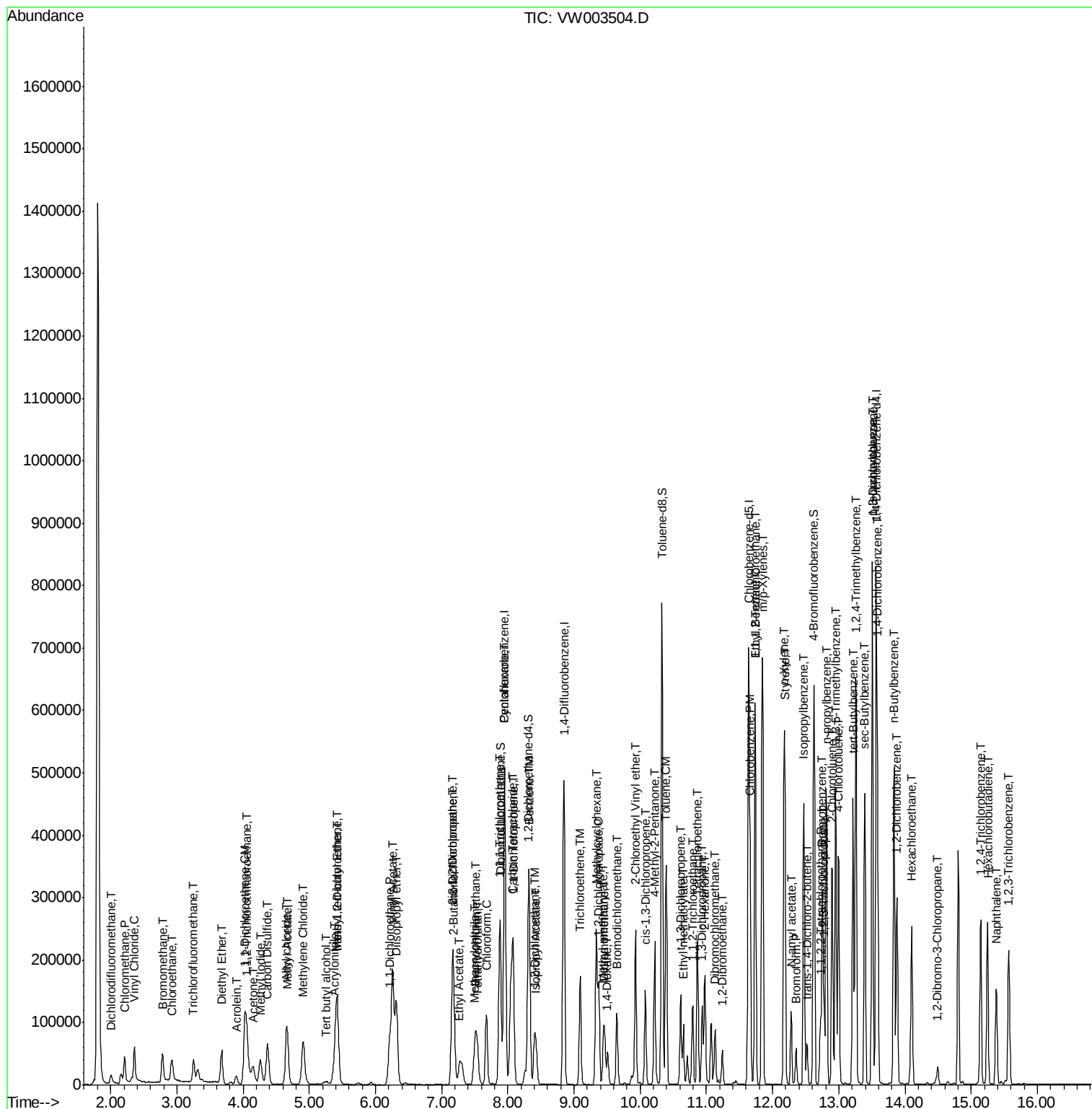
Quant Time: Jun 24 23:23:50 2018

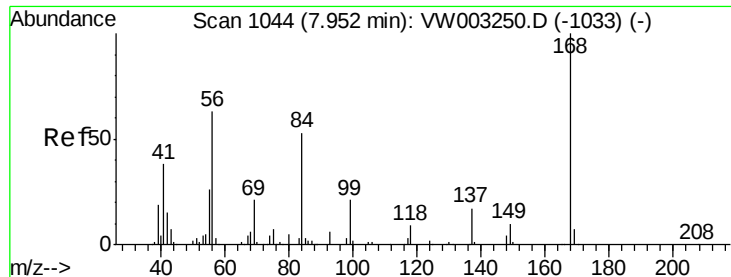
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\82W061318S.M

Quant Title : SW846 8260

QLast Update : Sat Jun 16 05:18:54 2018

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

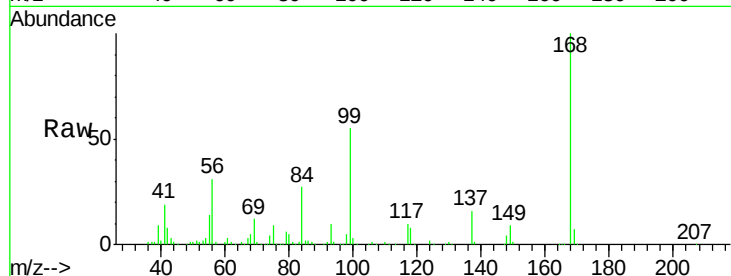
VW0624SBS01

Tgt Ion:168 Resp: 260697

Ion Ratio Lower Upper

168 100

99 55.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

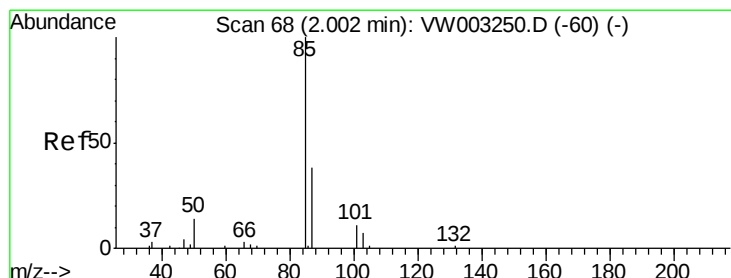
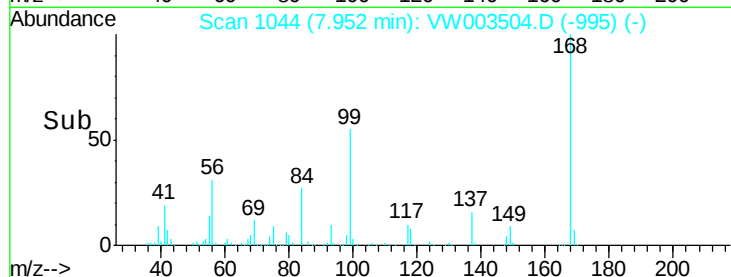
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 28.064 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003504.D

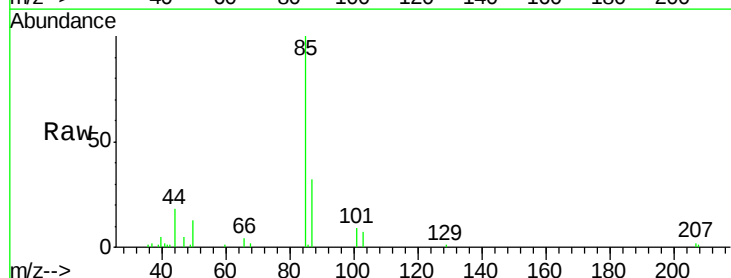
Acq: 24 Jun 2018 12:28

Tgt Ion: 85 Resp: 22119

Ion Ratio Lower Upper

85 100

87 31.9 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

8000

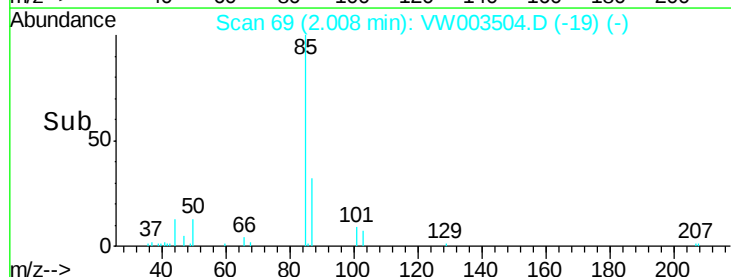
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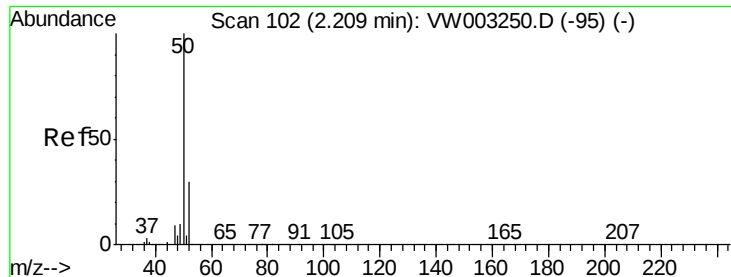
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.989 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

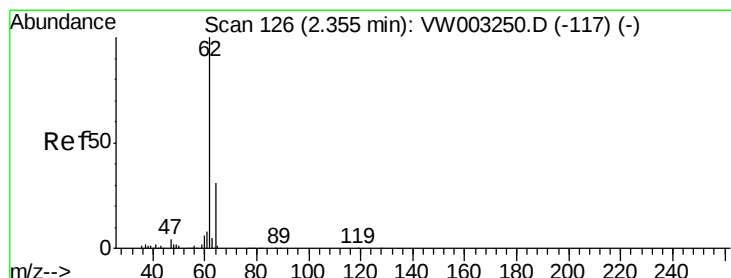
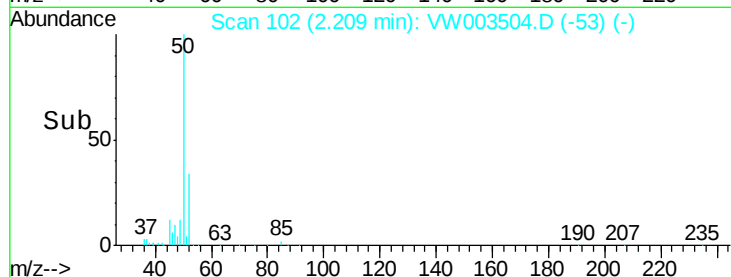
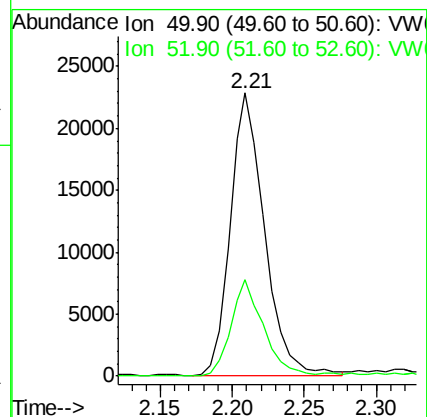
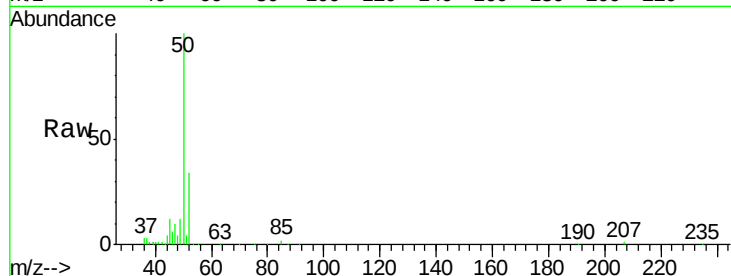
VW0624SBS01

Tgt Ion: 50 Resp: 37813

Ion Ratio Lower Upper

50 100

52 34.3 24.2 36.2



#4

Vinyl Chloride

Concen: 19.815 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003504.D

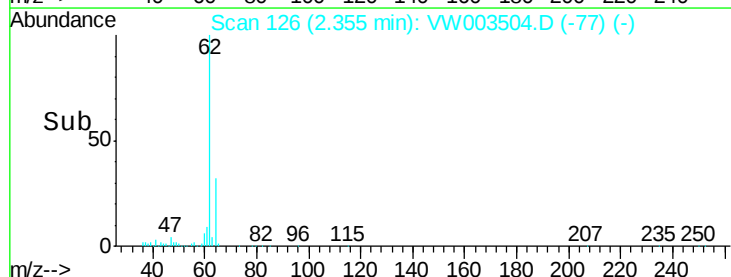
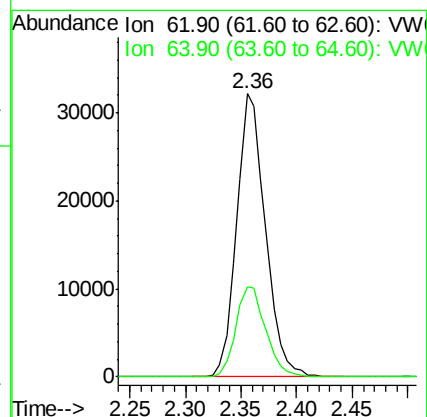
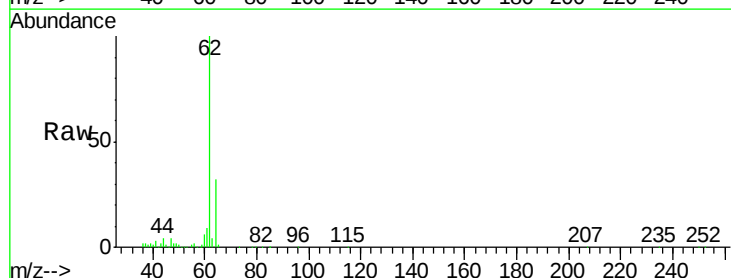
Acq: 24 Jun 2018 12:28

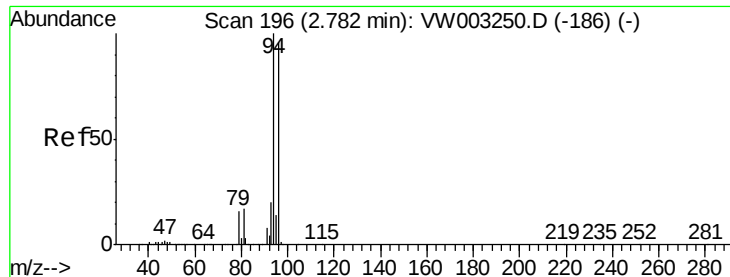
Tgt Ion: 62 Resp: 57521

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3





#5

Bromomethane

Concen: 17.810 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

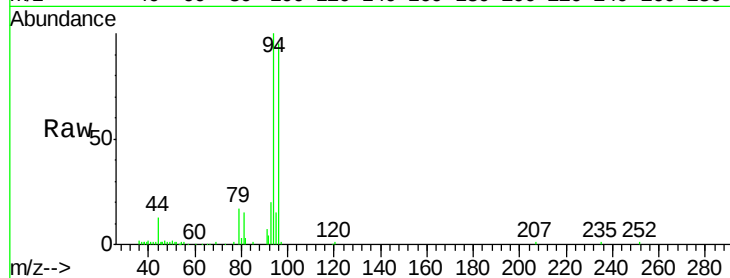
VW0624SBS01

Tgt Ion: 94 Resp: 34364

Ion Ratio Lower Upper

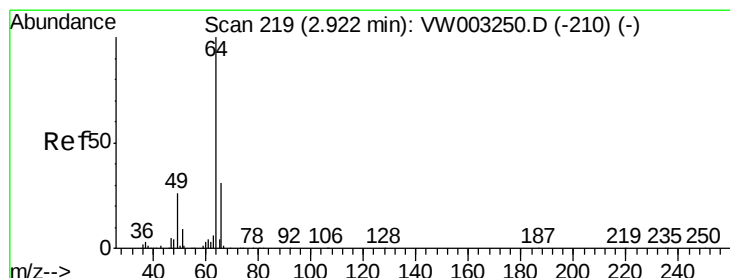
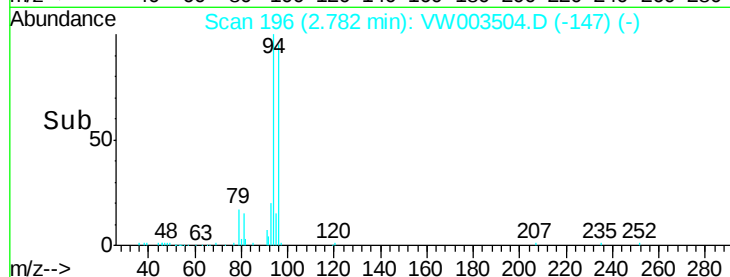
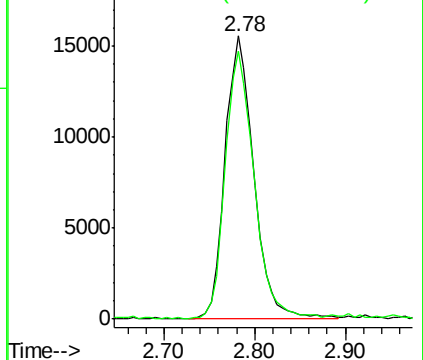
94 100

96 94.5 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: 18.506 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003504.D

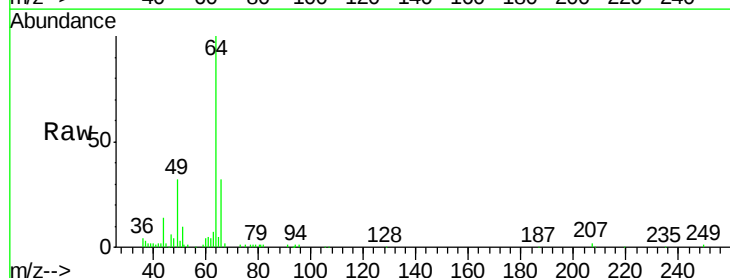
Acq: 24 Jun 2018 12:28

Tgt Ion: 64 Resp: 37395

Ion Ratio Lower Upper

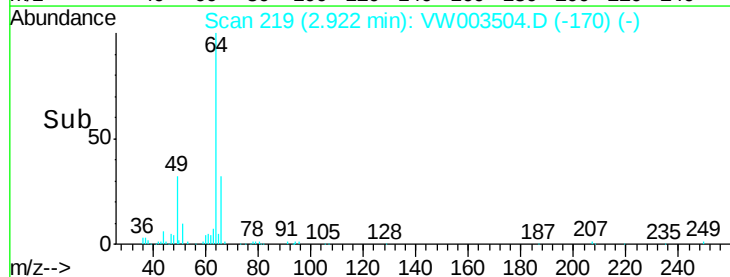
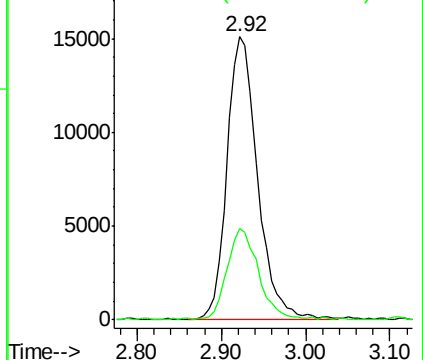
64 100

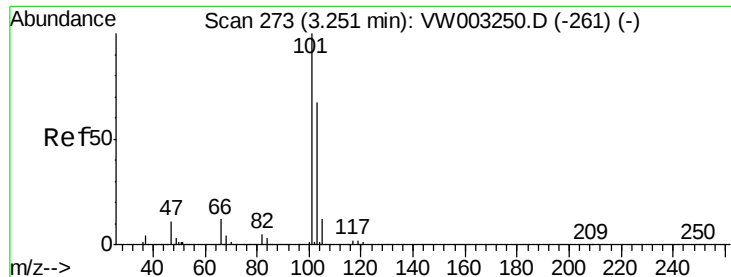
66 32.0 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



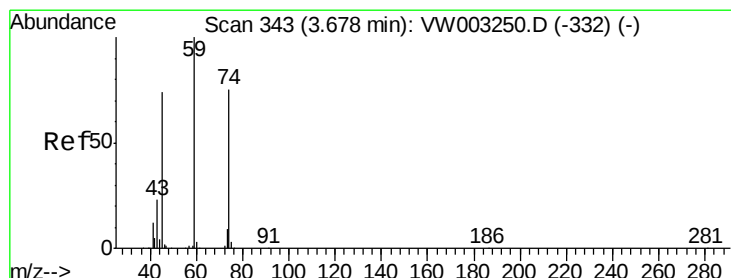
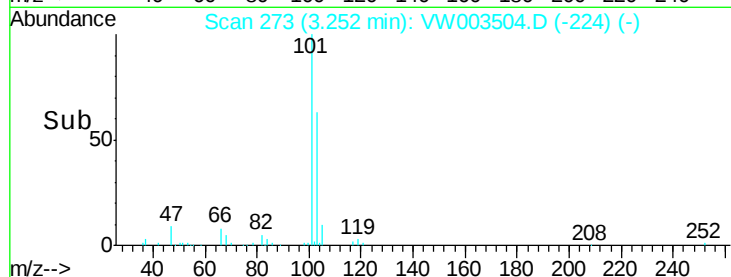
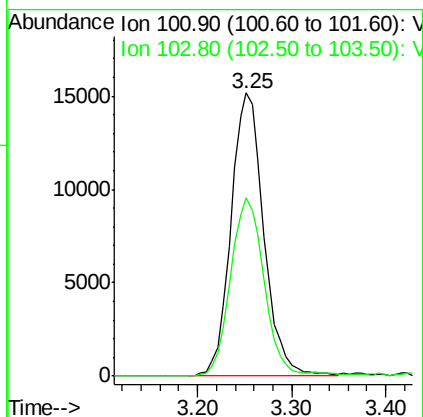
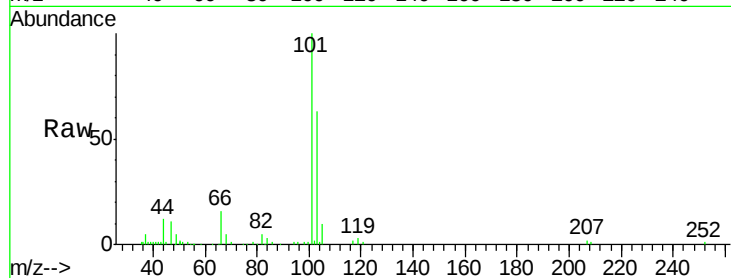


#7

Trichlorofluoromethane
 Concen: 21.127 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW003504.D
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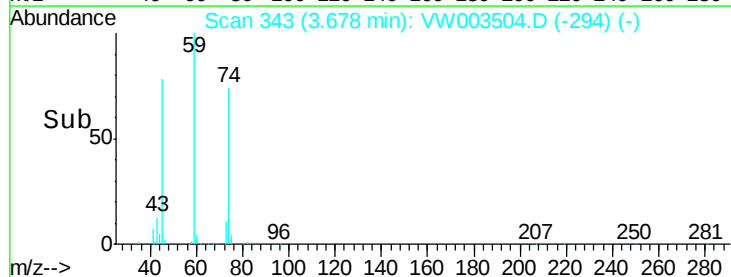
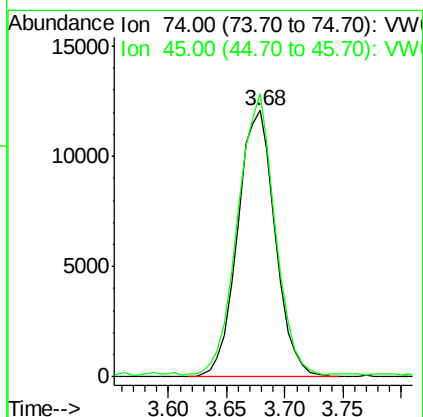
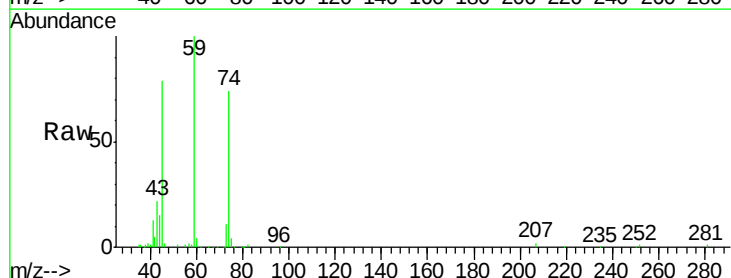
Tgt Ion:101 Resp: 36742
 Ion Ratio Lower Upper
 101 100
 103 63.1 53.4 80.0

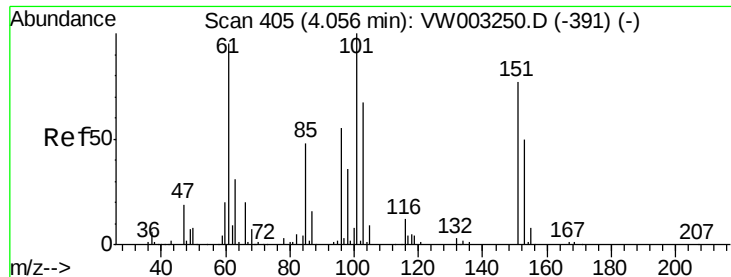


#8

Diethyl Ether
 Concen: 21.241 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion: 74 Resp: 27137
 Ion Ratio Lower Upper
 74 100
 45 105.0 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.892 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

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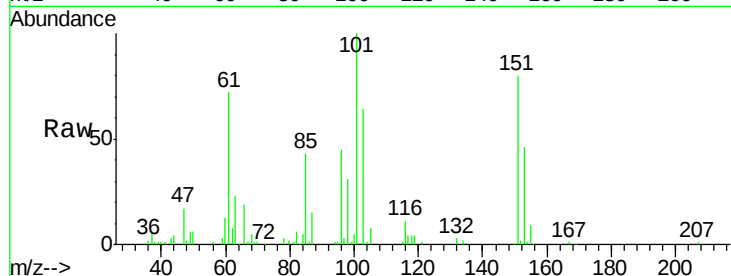
Tgt Ion:101 Resp: 50453

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.6

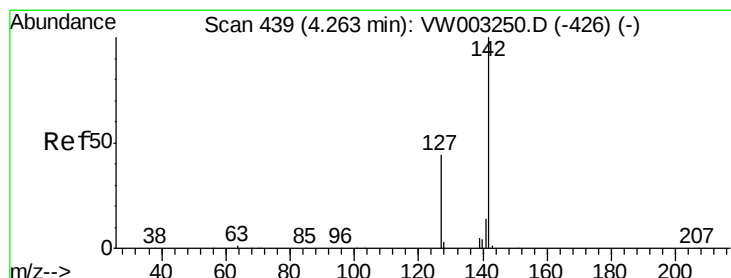
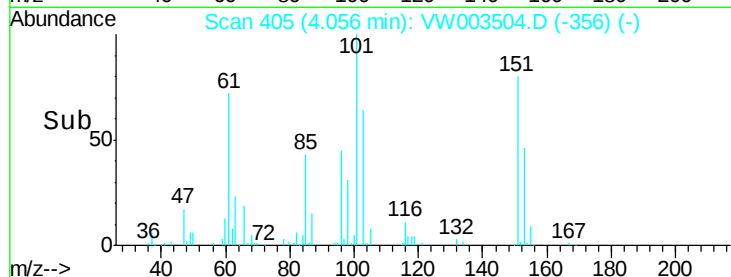
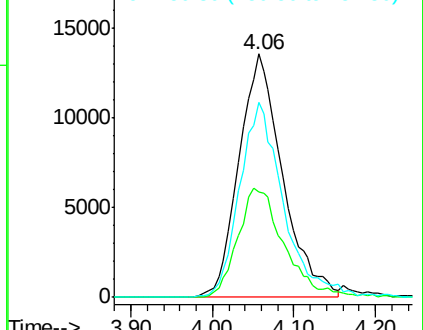
151 80.1 63.3 94.9



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: 20.366 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

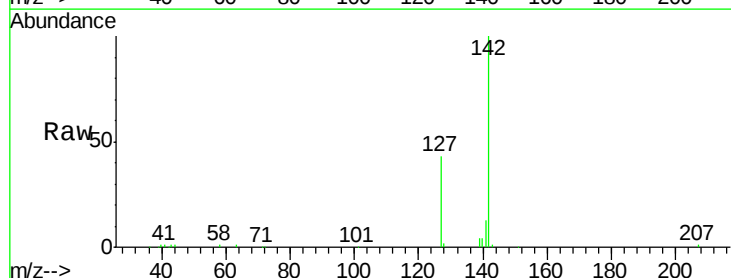
Tgt Ion:142 Resp: 74382

Ion Ratio Lower Upper

142 100

127 45.4 36.5 54.7

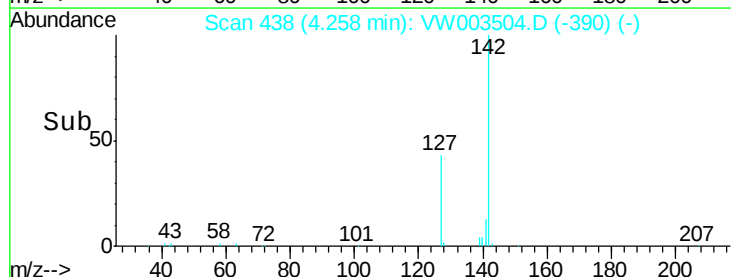
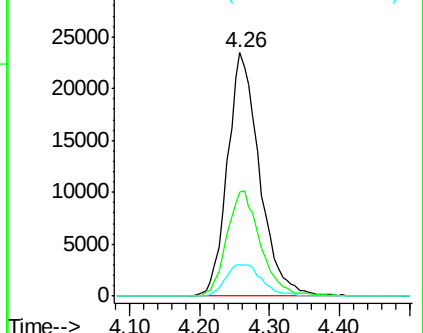
141 14.8 12.1 18.1

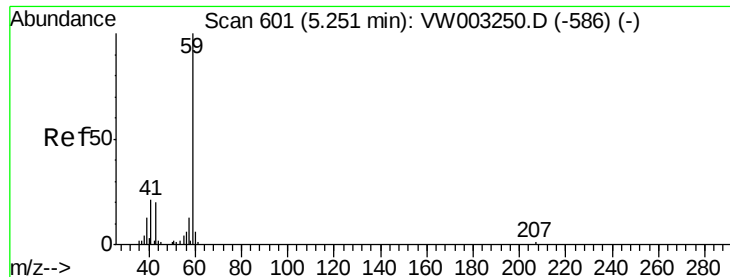


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.151 ug/l

RT: 5.26 min Scan# 602

Delta R.T. 0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

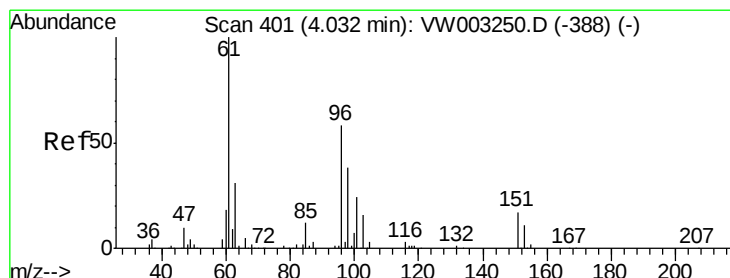
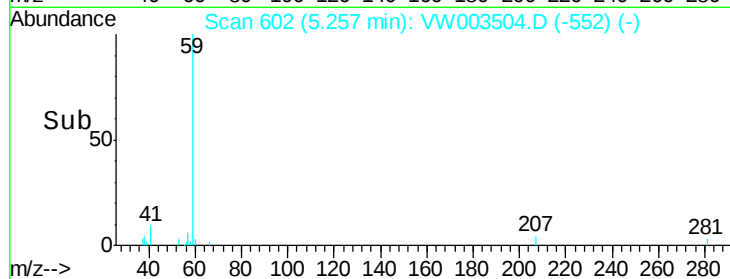
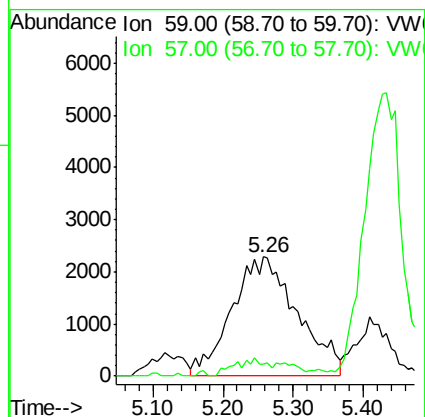
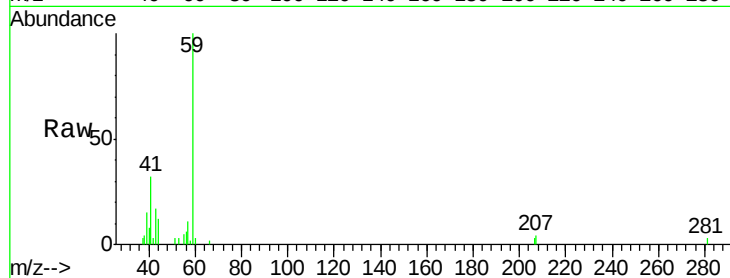
VW0624SBS01

Tgt Ion: 59 Resp: 14864

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



#12

1,1-Dichloroethene

Concen: 20.861 ug/l

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

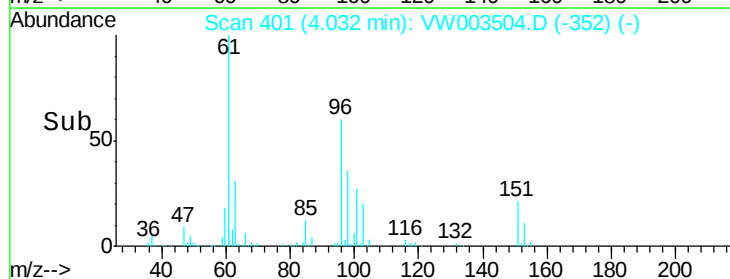
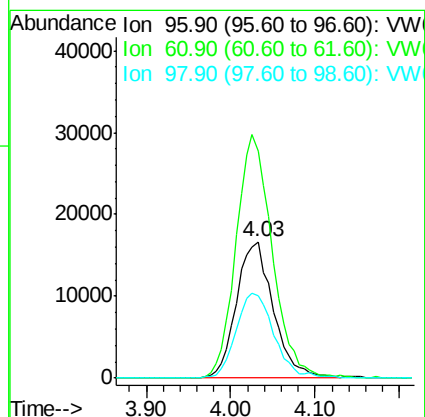
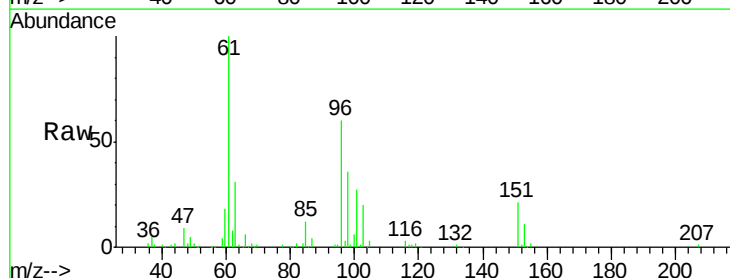
Tgt Ion: 96 Resp: 49230

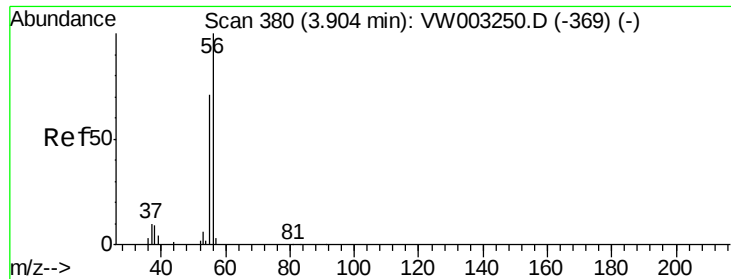
Ion Ratio Lower Upper

96 100

61 166.9 139.0 208.4

98 60.4 53.3 79.9





#13

Acrolein

Concen: 74.243 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

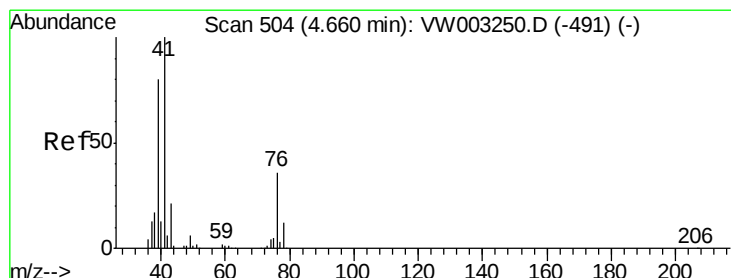
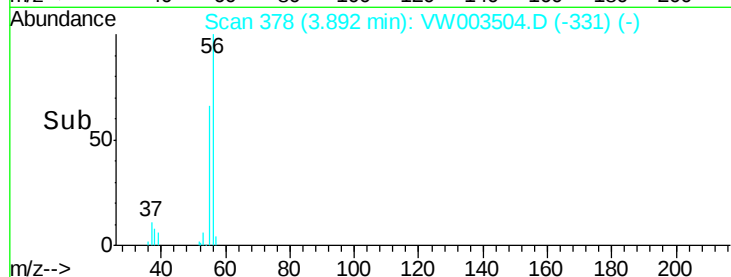
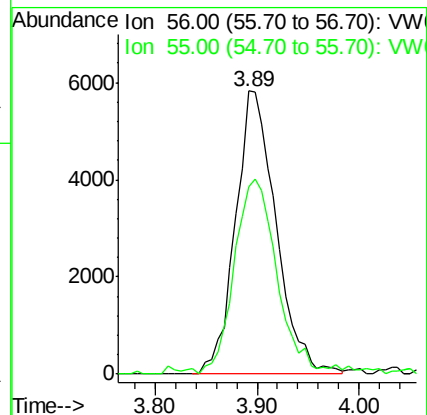
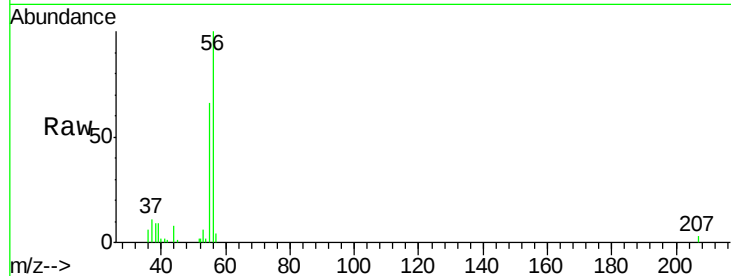
VW0624SBS01

Tgt Ion: 56 Resp: 16075

Ion Ratio Lower Upper

56 100

55 71.4 55.4 83.2



#14

Allyl chloride

Concen: 20.770 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

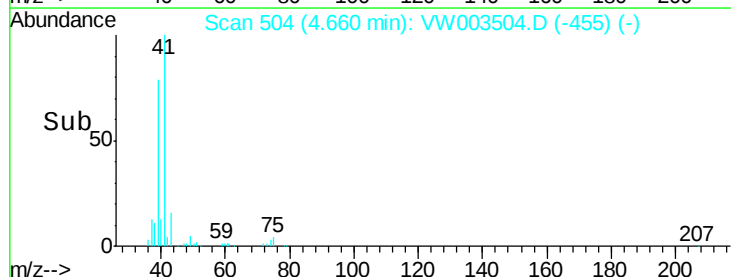
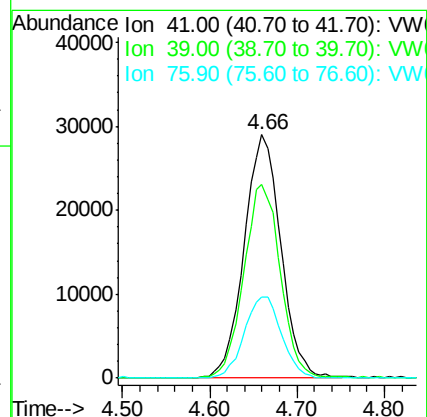
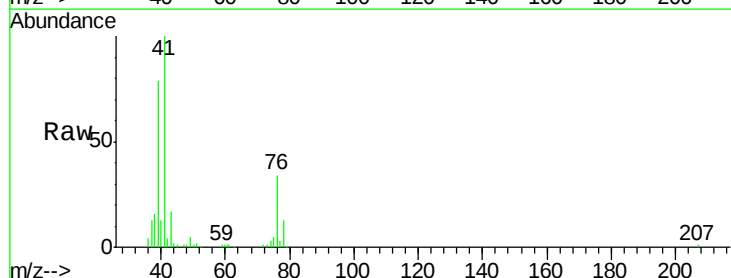
Tgt Ion: 41 Resp: 84904

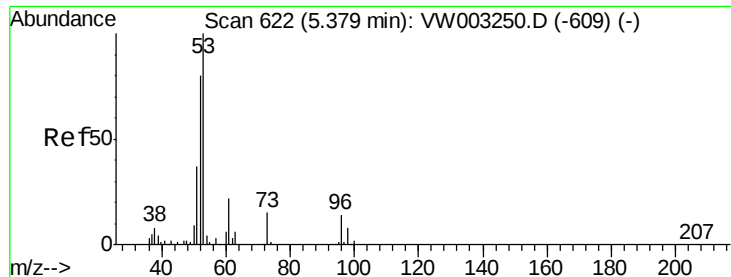
Ion Ratio Lower Upper

41 100

39 78.9 63.2 94.8

76 34.0 28.0 42.0





#15

Acrylonitrile

Concen: 96.492 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

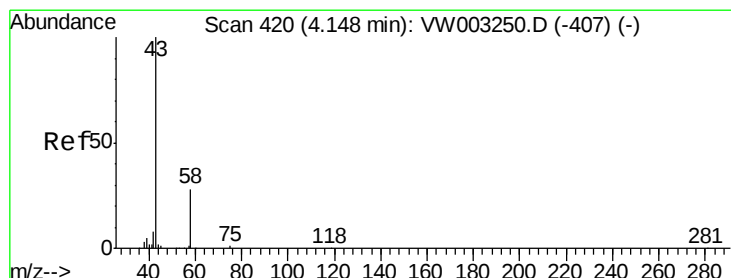
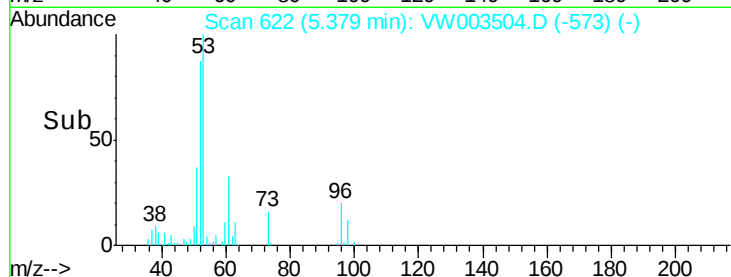
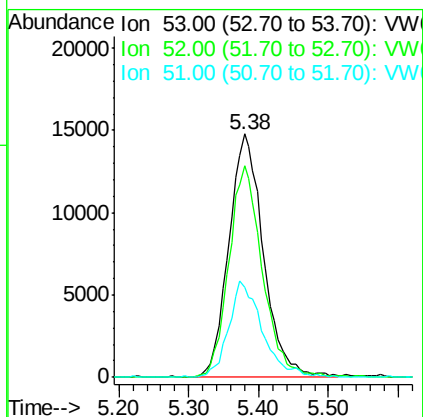
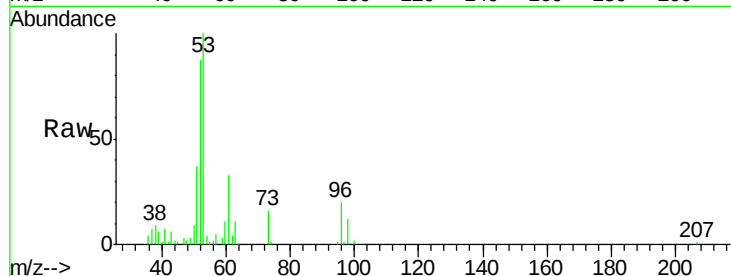
Tgt Ion: 53 Resp: 50719

Ion Ratio Lower Upper

53 100

52 84.4 66.6 100.0

51 38.3 30.6 46.0



#16

Acetone

Concen: 100.408 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003504.D

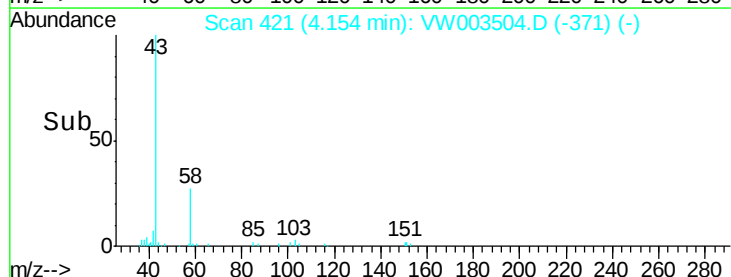
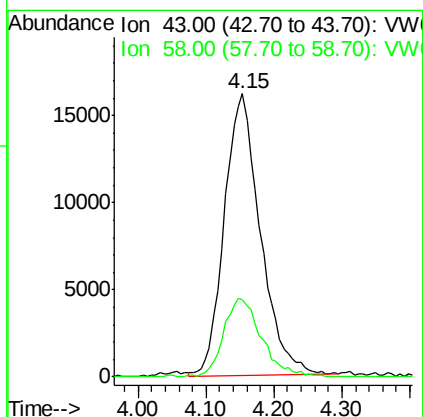
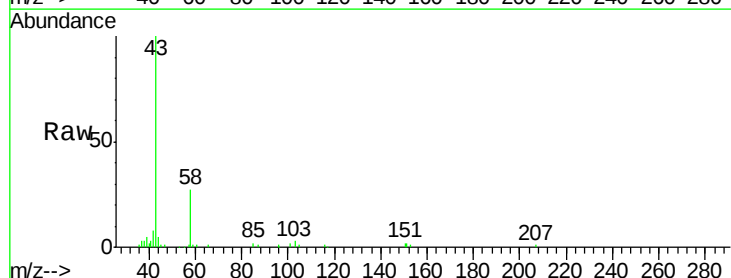
Acq: 24 Jun 2018 12:28

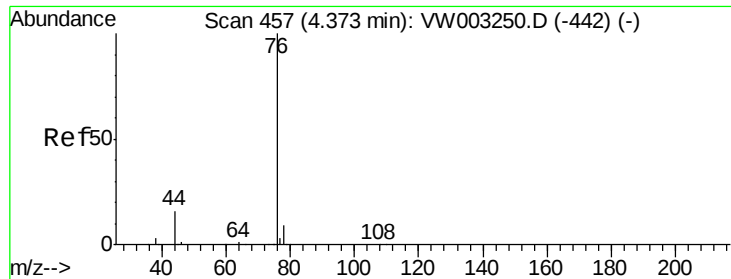
Tgt Ion: 43 Resp: 59464

Ion Ratio Lower Upper

43 100

58 27.5 22.6 34.0





#17

Carbon Disulfide

Concen: 20.460 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

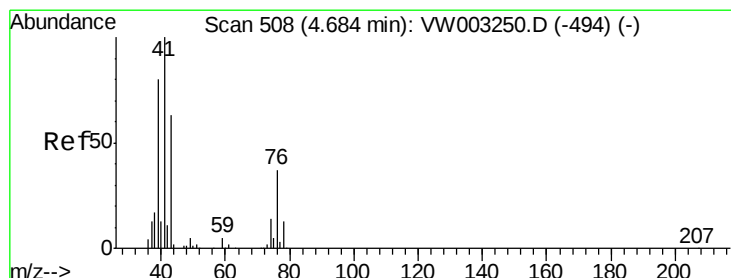
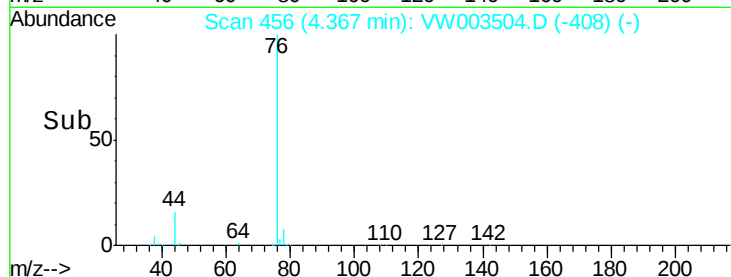
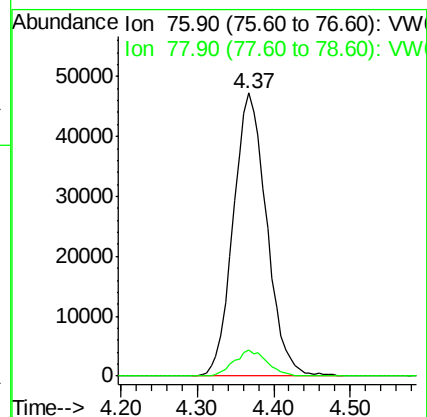
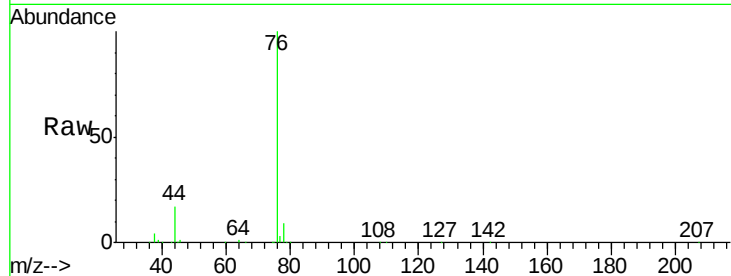
VW0624SBS01

Tgt Ion: 76 Resp: 142746

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 17.967 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003504.D

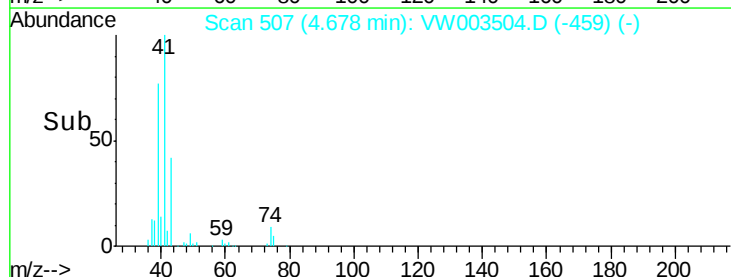
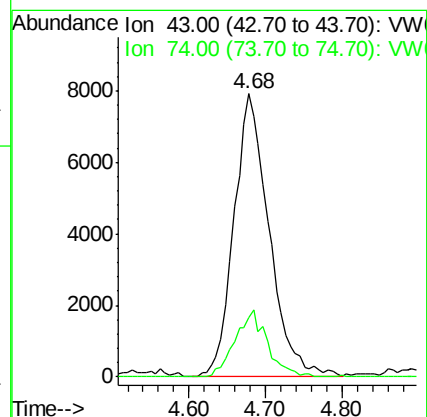
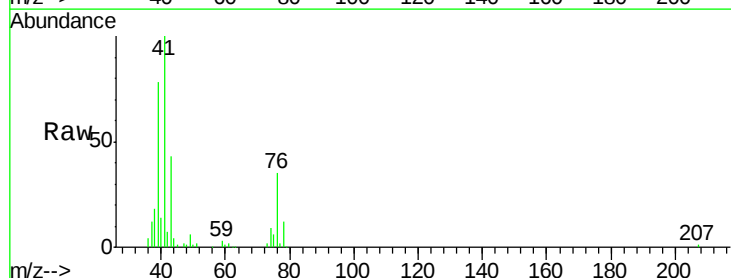
Acq: 24 Jun 2018 12:28

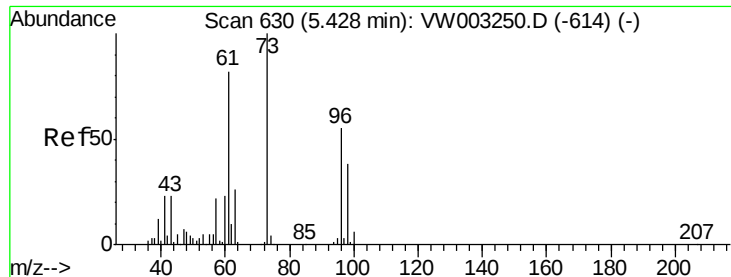
Tgt Ion: 43 Resp: 25243

Ion Ratio Lower Upper

43 100

74 21.6 18.7 28.1

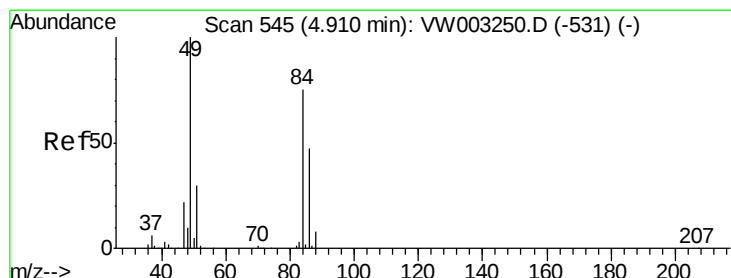
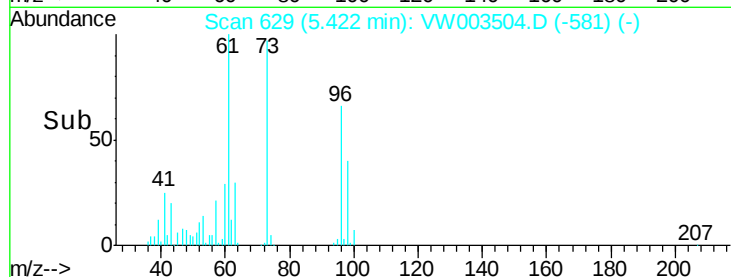
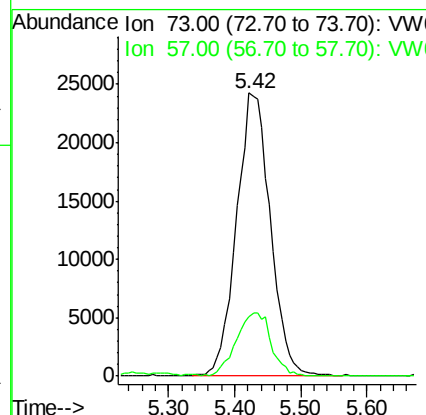
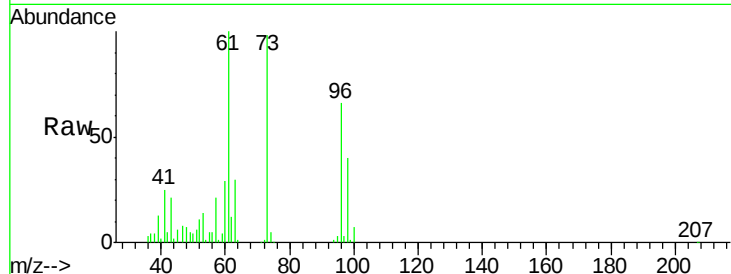




#19
Methyl tert-butyl Ether
Concen: 19.476 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

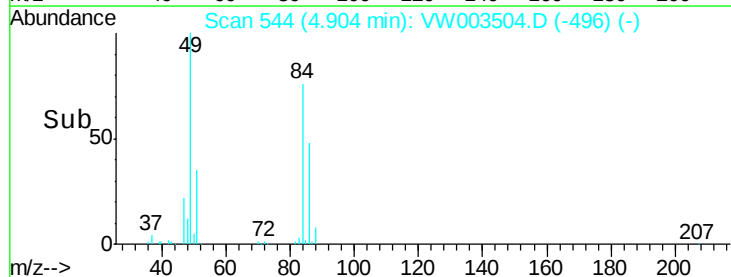
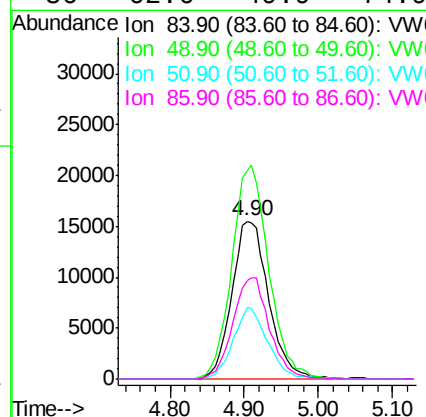
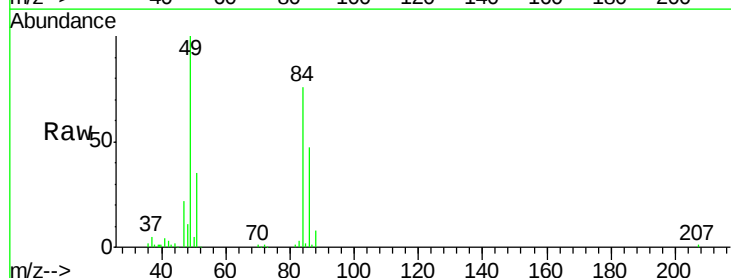
Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

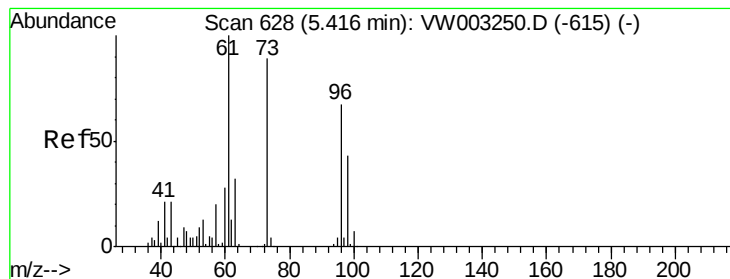
Tgt Ion: 73 Resp: 86084
Ion Ratio Lower Upper
73 100
57 21.1 18.0 27.0



#20
Methylene Chloride
Concen: 18.951 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion: 84 Resp: 53411
Ion Ratio Lower Upper
84 100
49 132.3 106.3 159.5
51 45.7 32.0 48.0
86 62.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.058 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

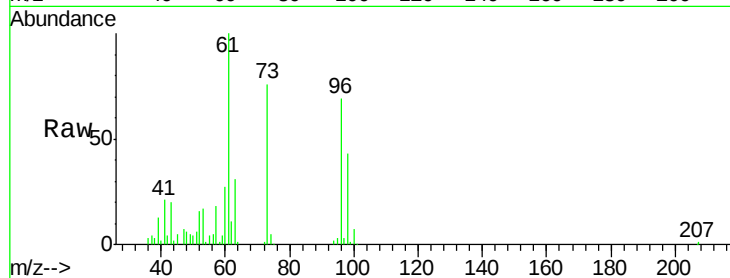
Tgt Ion: 96 Resp: 51516

Ion Ratio Lower Upper

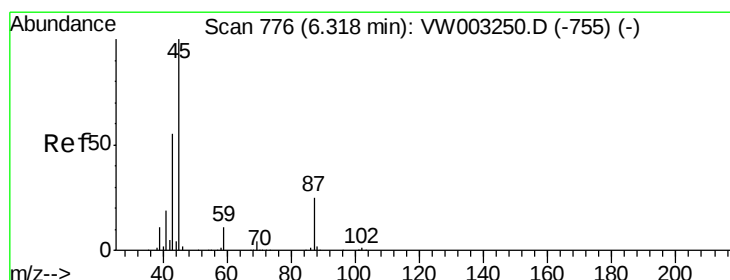
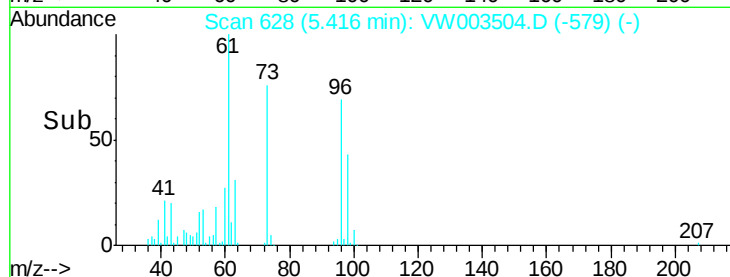
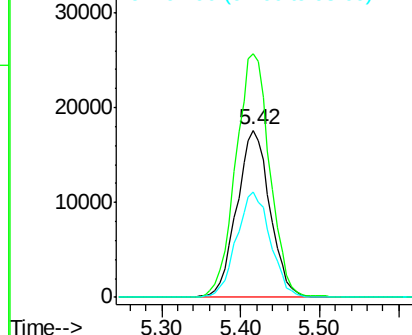
96 100

61 145.7 118.7 178.1

98 63.3 51.0 76.6



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



#22

Diisopropyl ether

Concen: 20.453 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion: 45 Resp: 168266

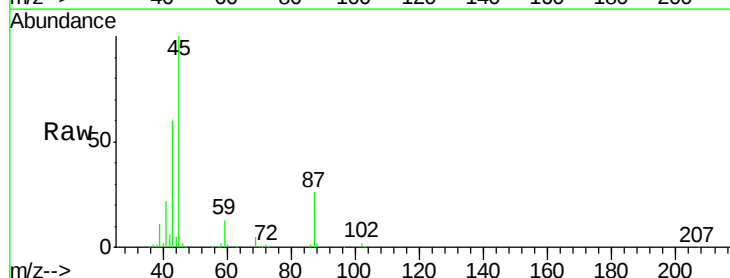
Ion Ratio Lower Upper

45 100

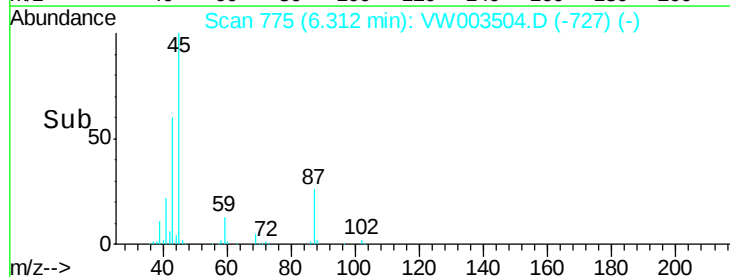
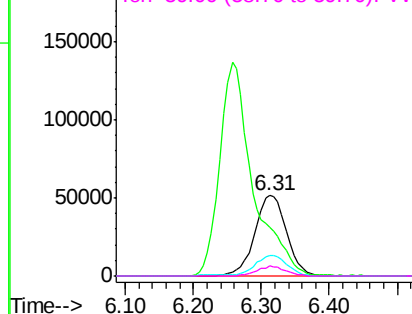
43 59.4 44.0 66.0

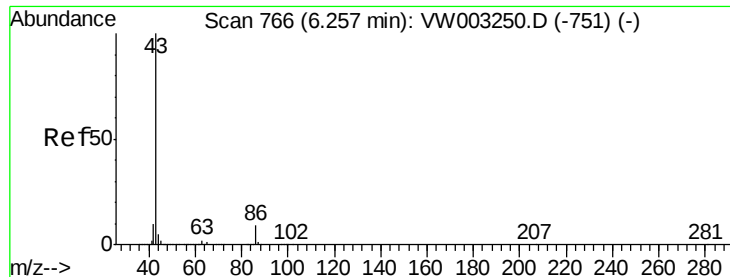
87 26.2 20.6 31.0

59 12.7 8.8 13.2



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





#23

Vinyl Acetate

Concen: 98.073 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

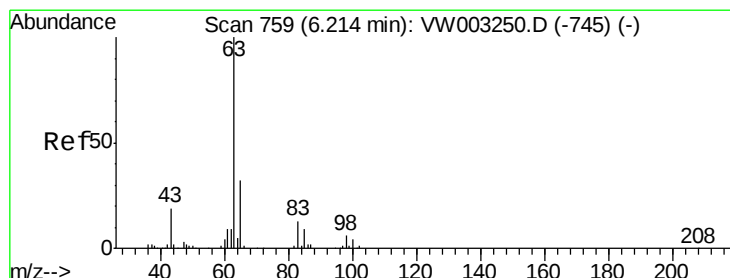
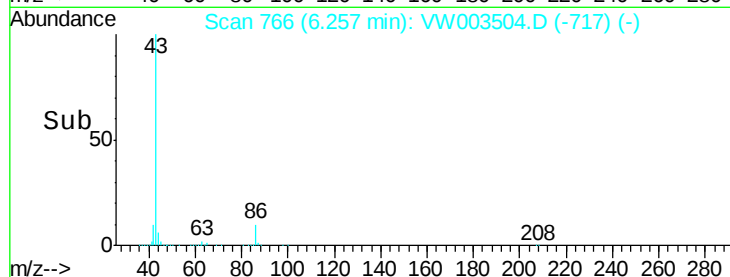
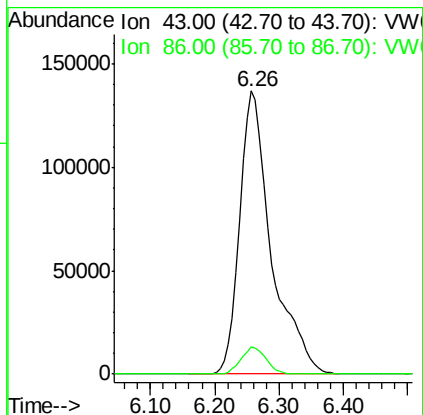
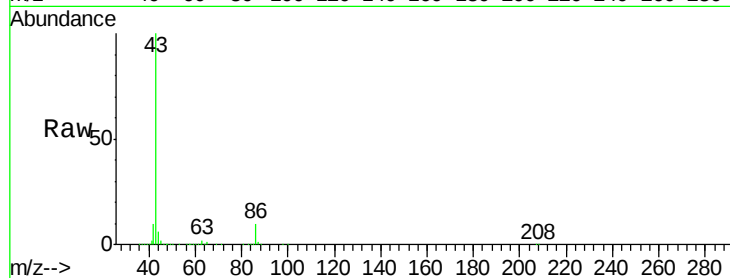
VW0624SBS01

Tgt Ion: 43 Resp: 464968

Ion Ratio Lower Upper

43 100

86 9.6 7.5 11.3



#24

1,1-Dichloroethane

Concen: 20.649 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

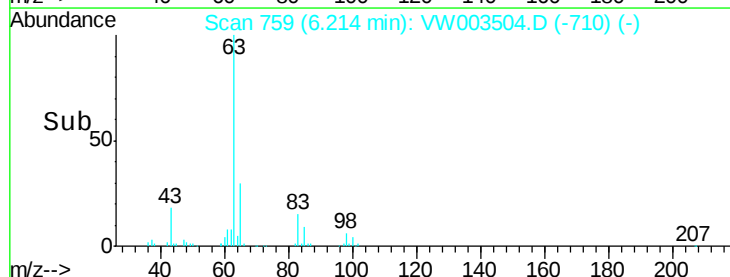
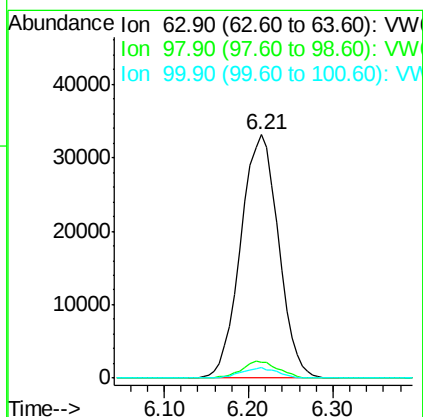
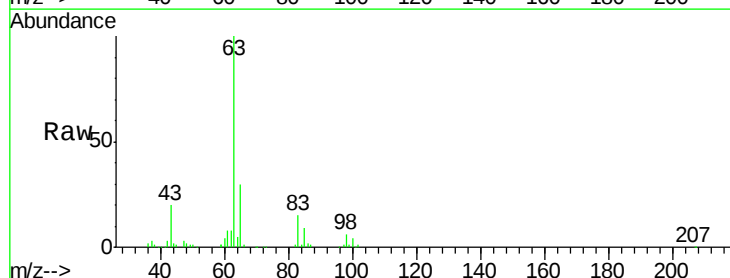
Tgt Ion: 63 Resp: 100852

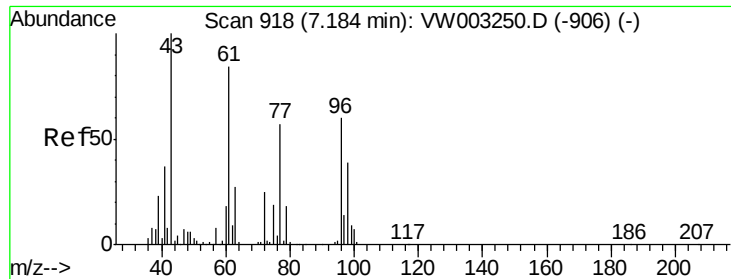
Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.3

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 100.226 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampled :

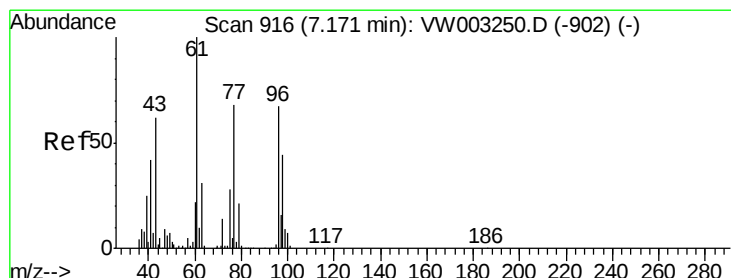
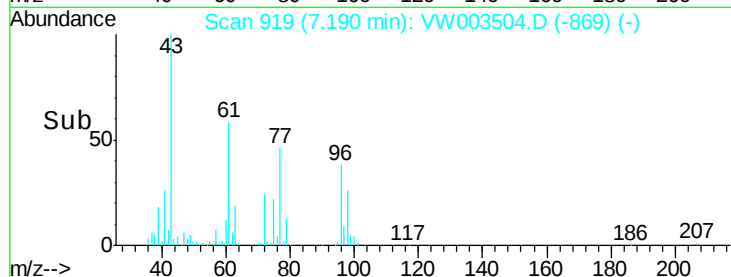
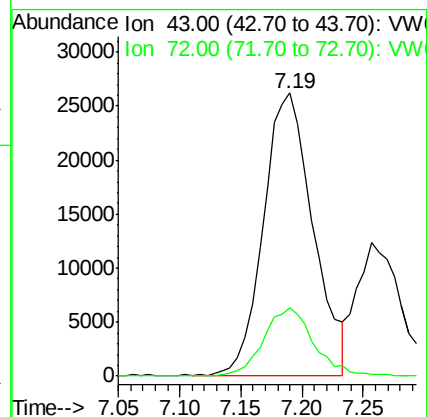
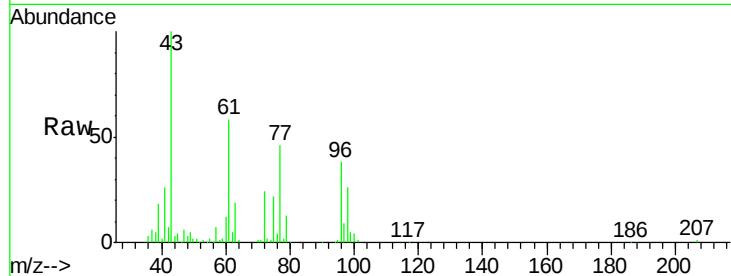
VW0624SBS01

Tgt Ion: 43 Resp: 73808

Ion Ratio Lower Upper

43 100

72 24.1 20.3 30.5



#26

2,2-Dichloropropane

Concen: 20.851 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003504.D

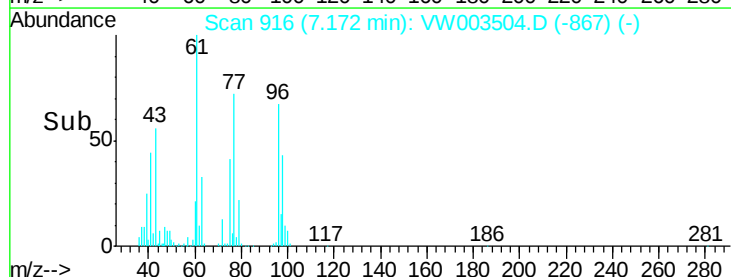
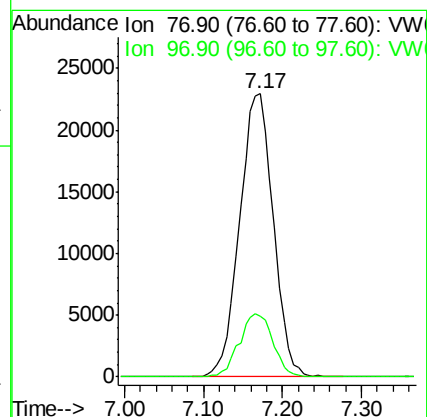
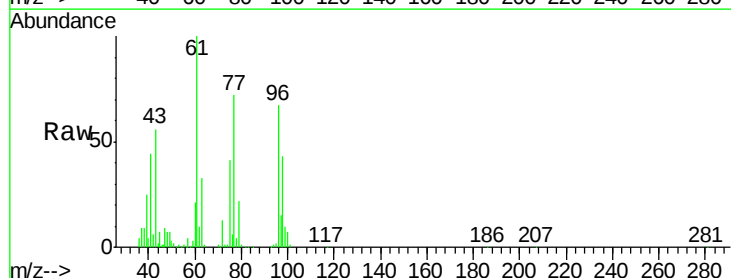
Acq: 24 Jun 2018 12:28

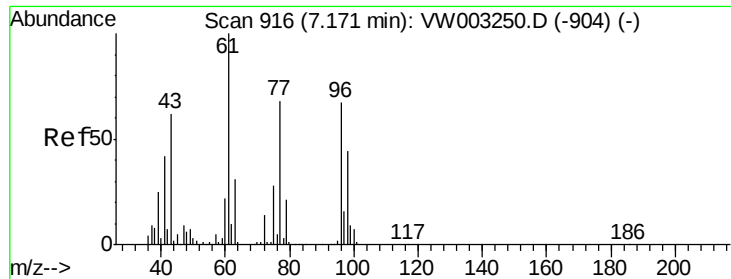
Tgt Ion: 77 Resp: 67966

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9

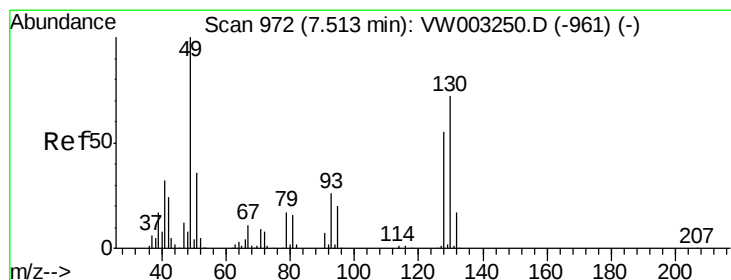
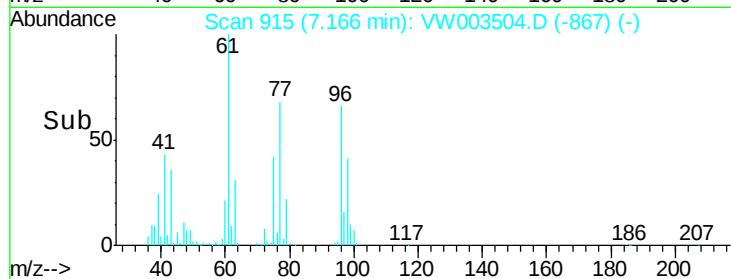
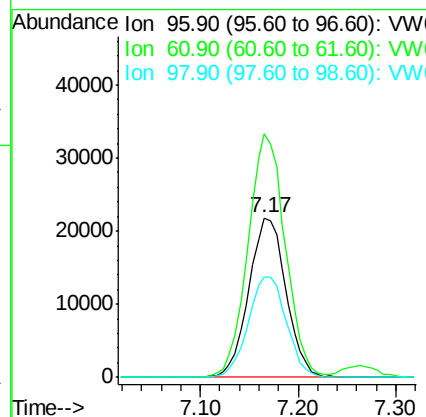
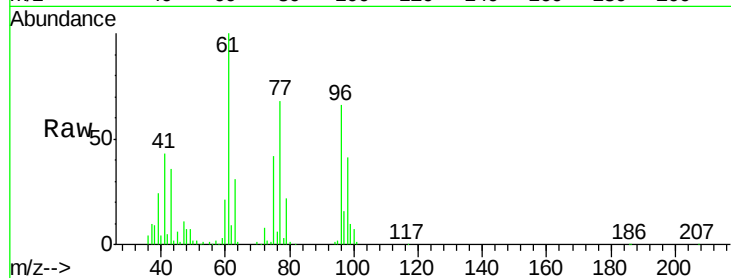




#27
 cis-1,2-Dichloroethene
 Concen: 20.419 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

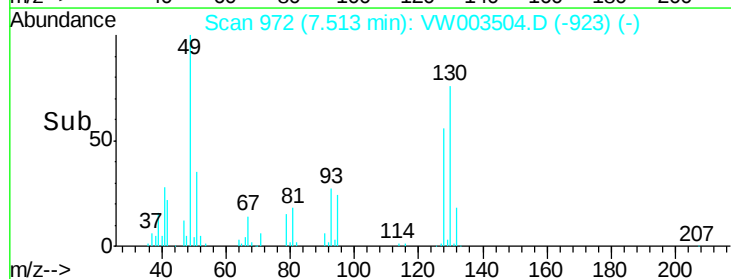
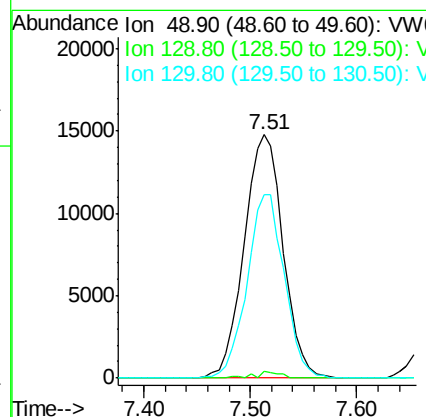
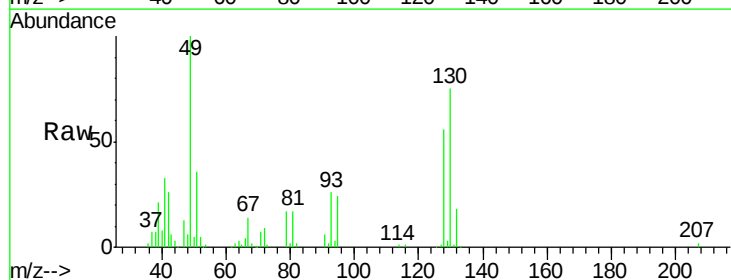
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

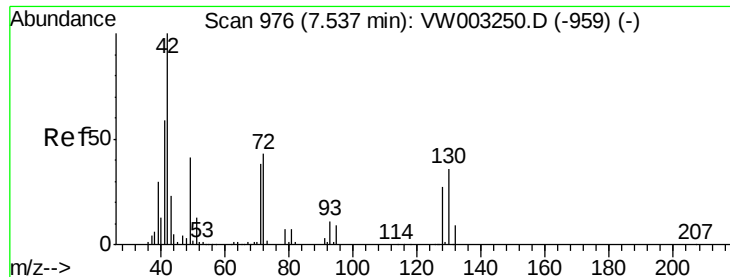
Tgt Ion: 96 Resp: 57611
 Ion Ratio Lower Upper
 96 100
 61 152.6 0.0 298.8
 98 64.7 0.0 130.4



#28
 Bromochloromethane
 Concen: 18.627 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion: 49 Resp: 37859
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.6
 130 72.5 59.4 89.2

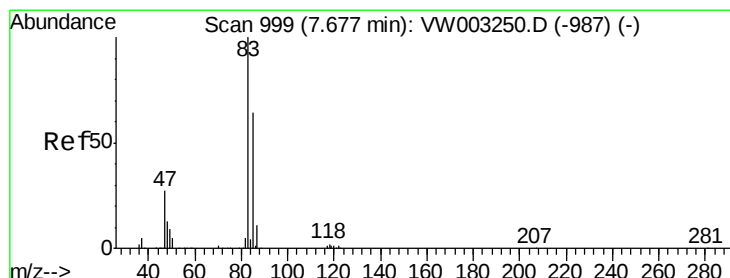
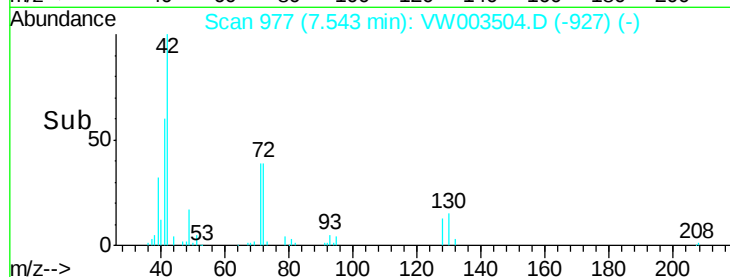
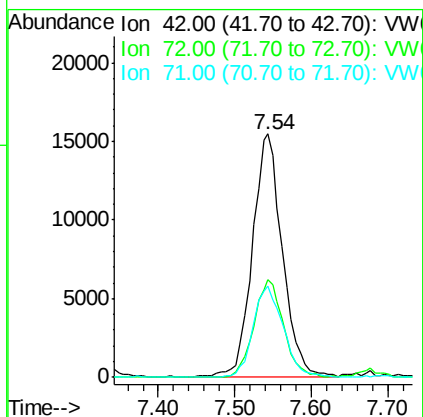
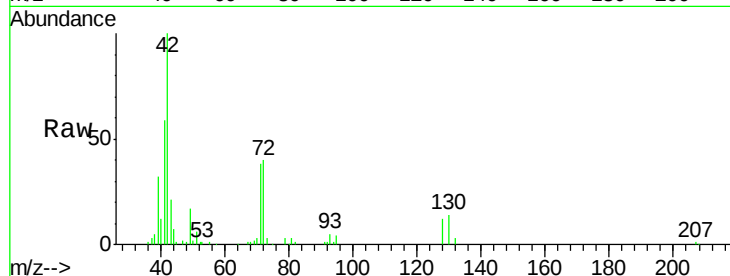




#29
Tetrahydrofuran
Concen: 94.294 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

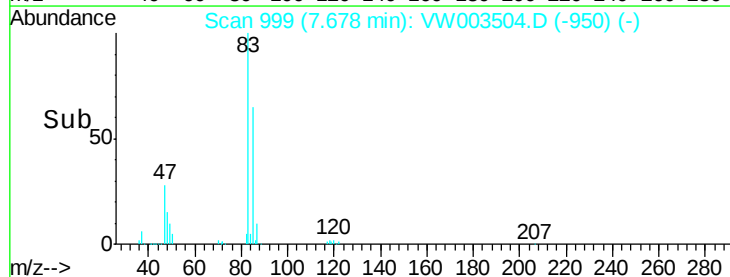
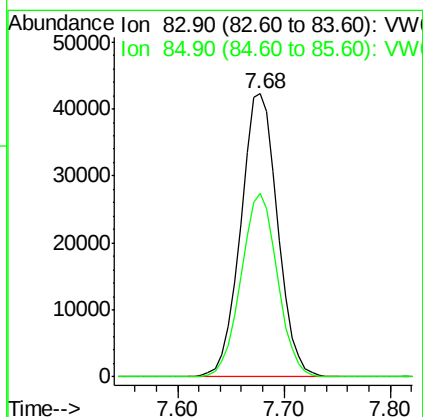
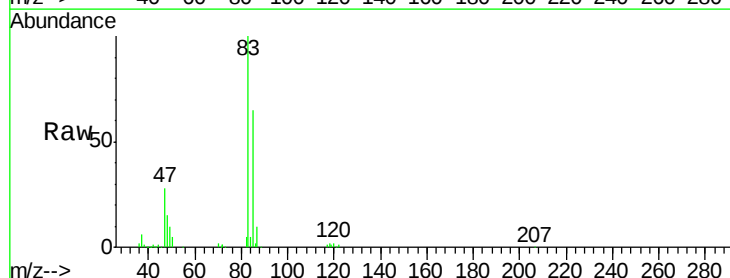
Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

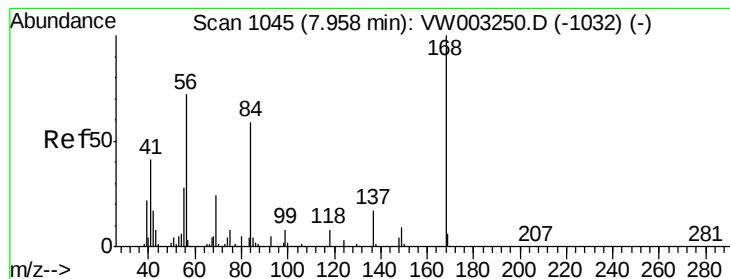
Tgt Ion: 42 Resp: 42439
Ion Ratio Lower Upper
42 100
72 39.5 32.4 48.6
71 37.5 31.2 46.8



#30
Chloroform
Concen: 20.634 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion: 83 Resp: 102671
Ion Ratio Lower Upper
83 100
85 64.9 51.3 76.9





#31

Cyclohexane

Concen: 20.505 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

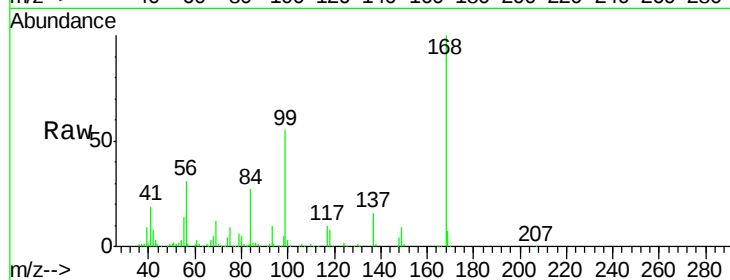
Tgt Ion: 56 Resp: 93562

Ion Ratio Lower Upper

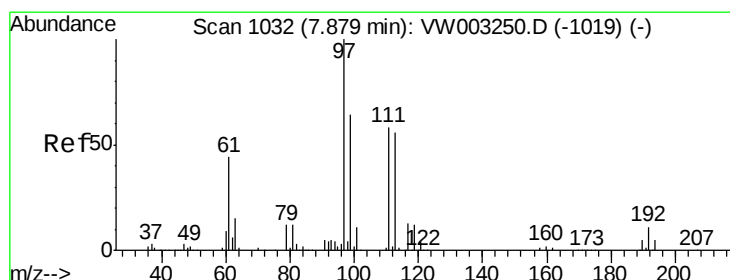
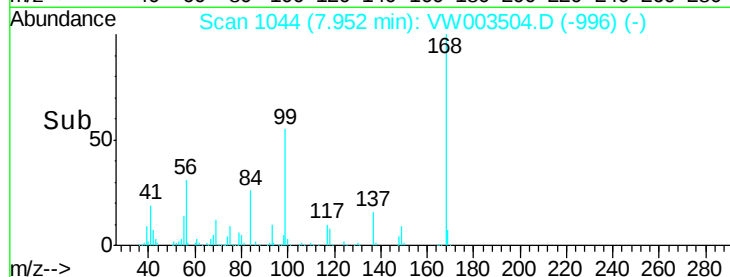
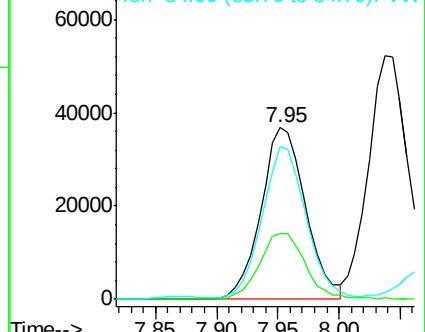
56 100

69 38.1 26.3 39.5

84 86.8 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: 20.579 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

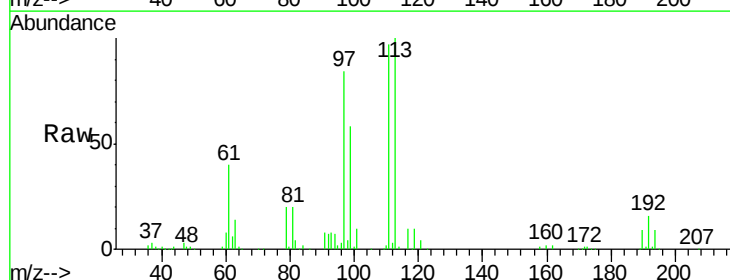
Tgt Ion: 97 Resp: 84521

Ion Ratio Lower Upper

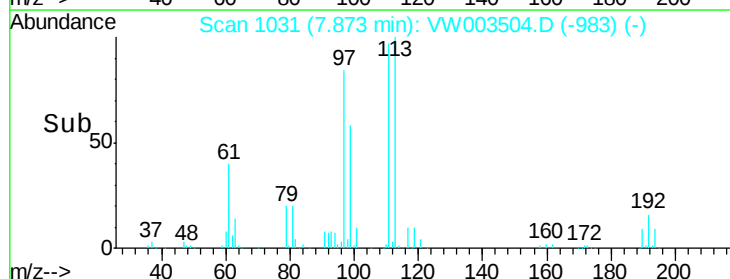
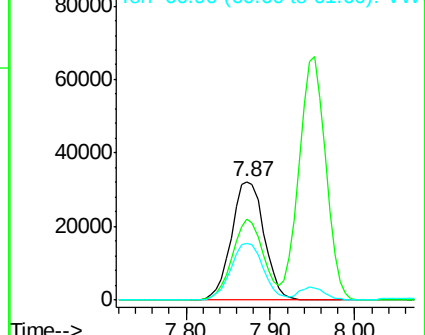
97 100

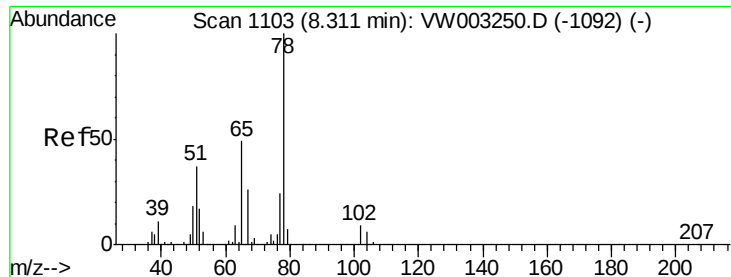
99 64.8 51.7 77.5

61 47.9 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: 49.542 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

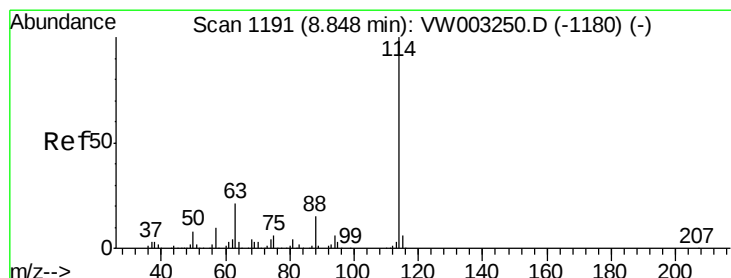
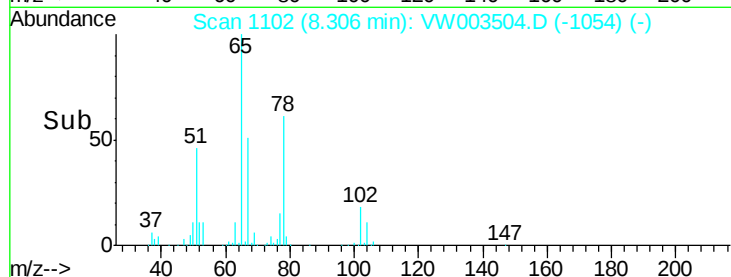
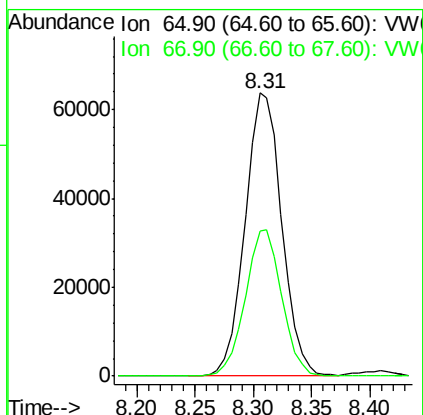
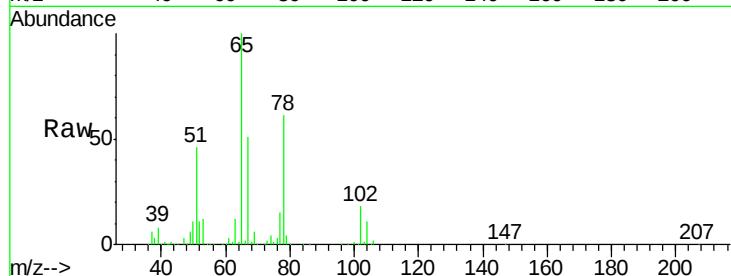
VW0624SBS01

Tgt Ion: 65 Resp: 139894

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

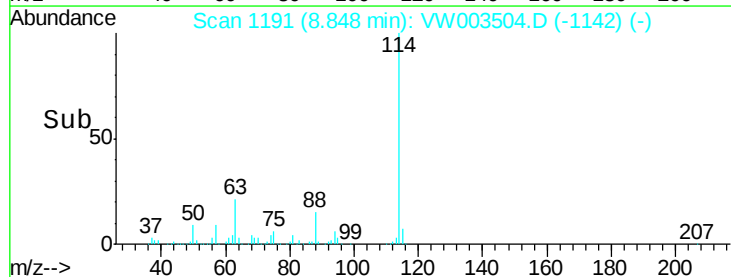
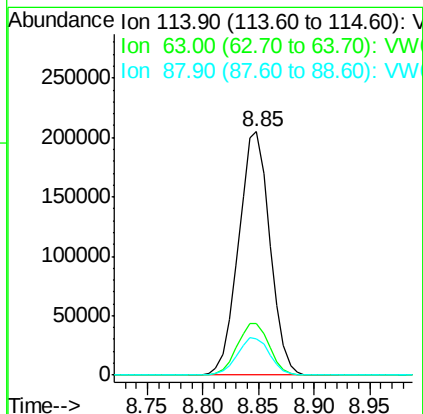
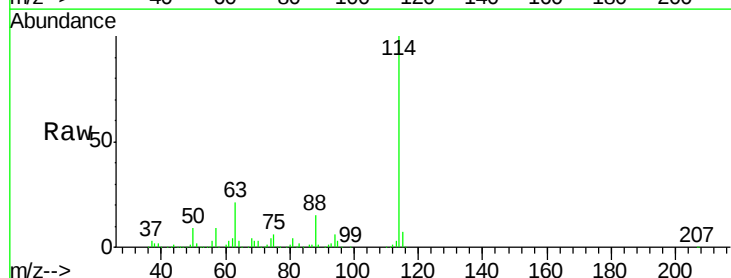
Tgt Ion: 114 Resp: 399419

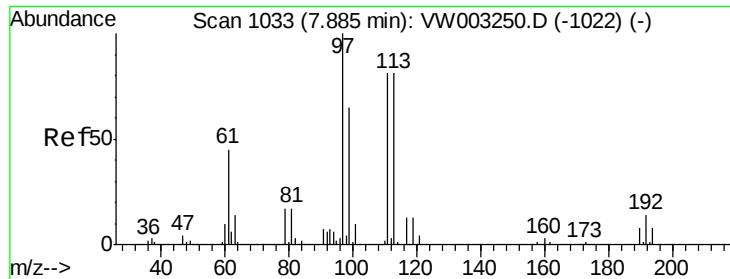
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 15.1 0.0 29.6

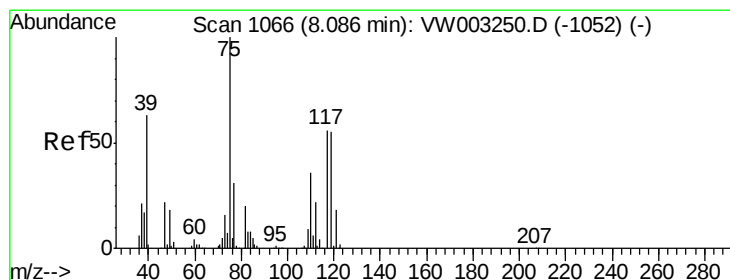
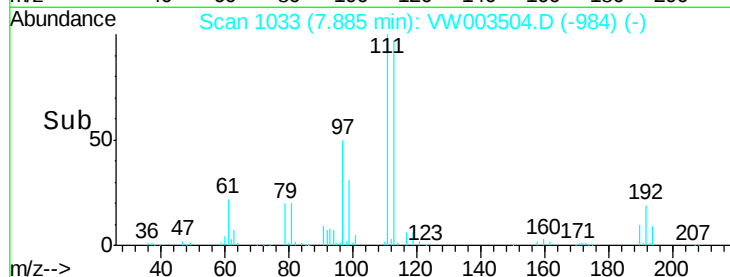
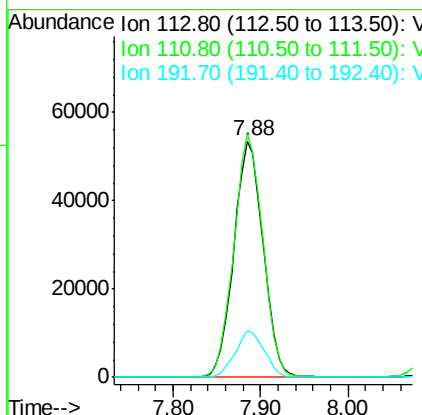
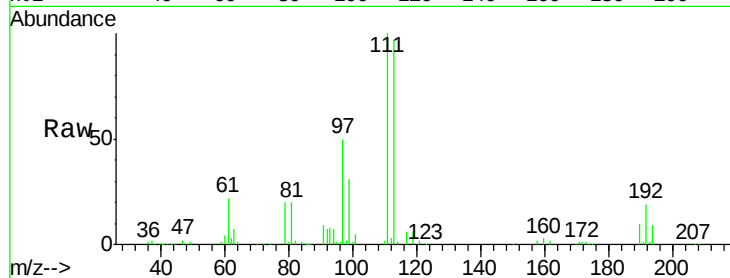




#35
 Dibromofluoromethane
 Concen: 50.288 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

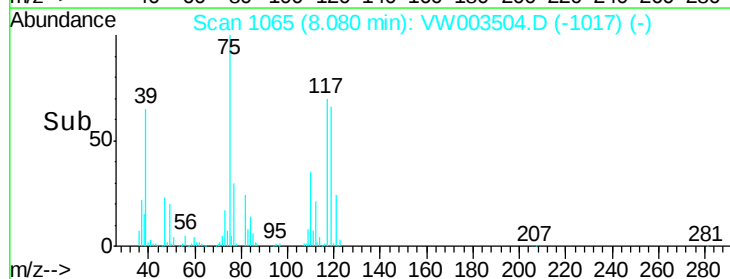
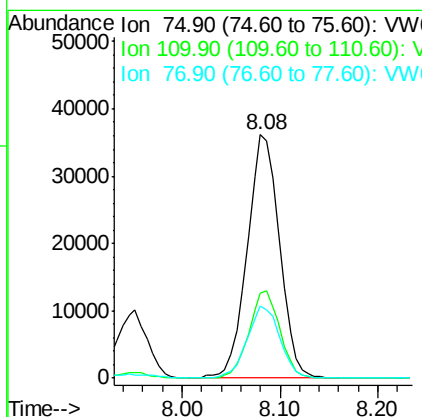
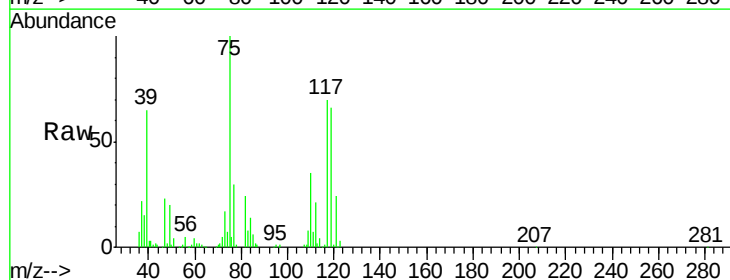
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

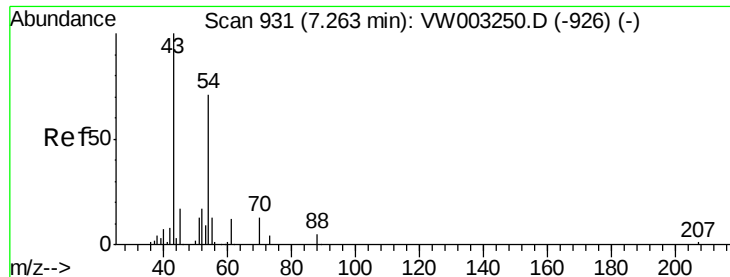
Tgt Ion: 113 Resp: 124809
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.2
 192 19.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 21.392 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion: 75 Resp: 82518
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.1 51.3
 77 30.1 24.9 37.3

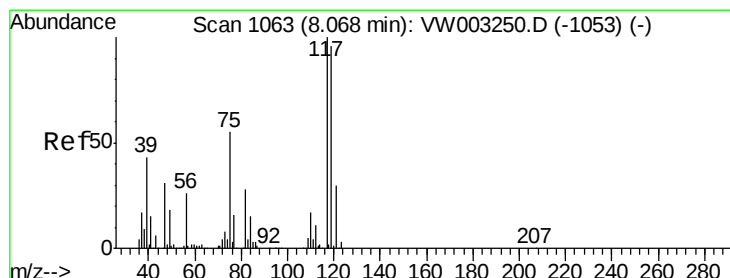
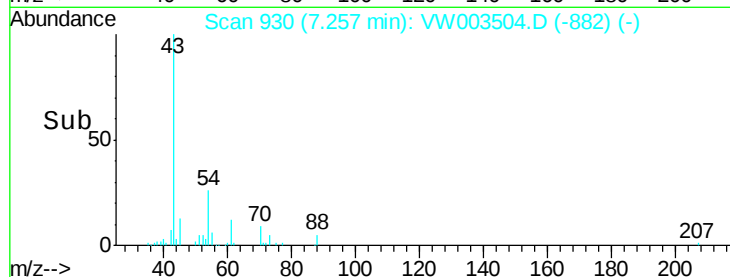
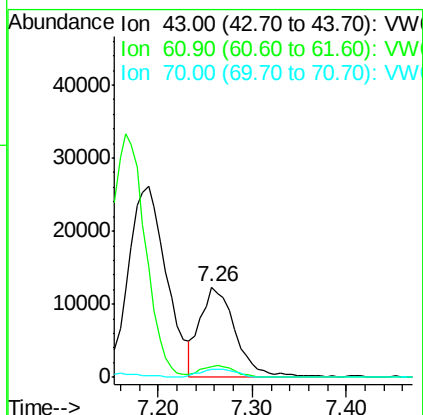
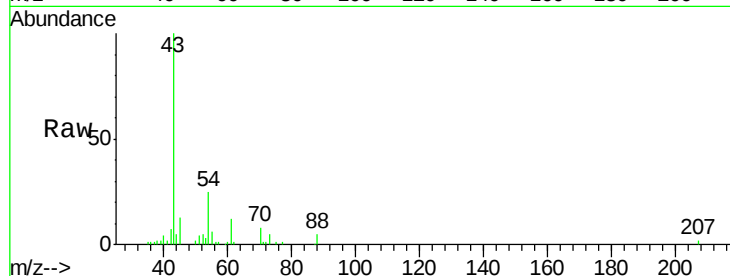




#37
Ethyl Acetate
Concen: 19.740 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

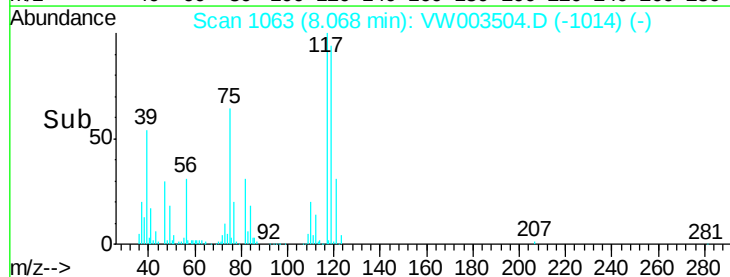
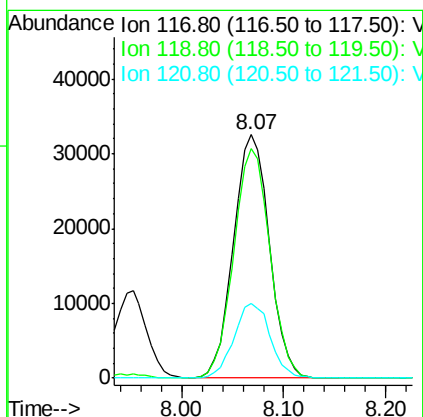
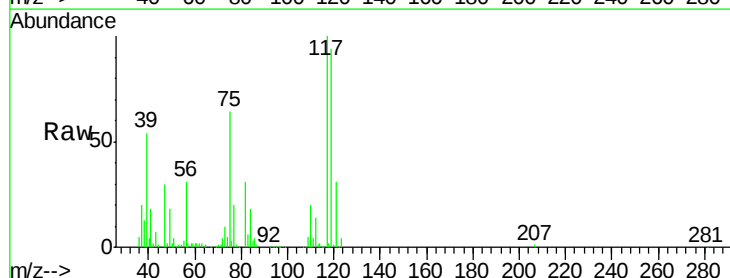
Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

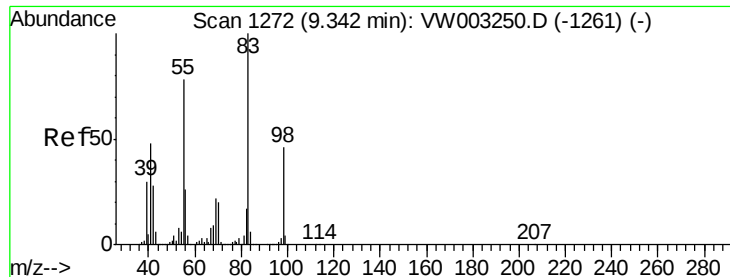
Tgt Ion: 43 Resp: 31545
Ion Ratio Lower Upper
43 100
61 13.3 10.8 16.2
70 9.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 20.990 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion: 117 Resp: 79421
Ion Ratio Lower Upper
117 100
119 94.4 76.6 115.0
121 30.7 23.9 35.9

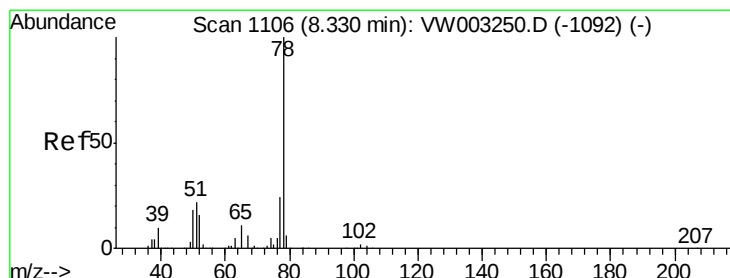
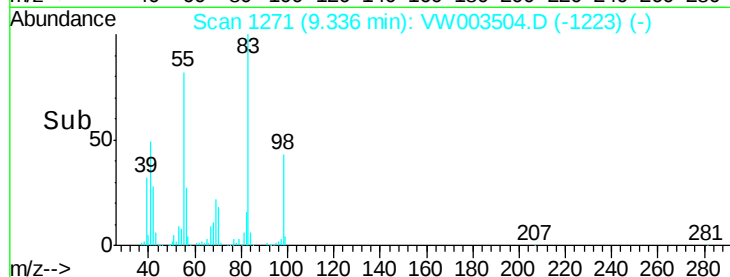
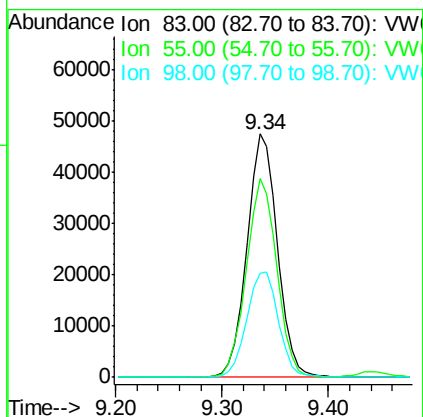
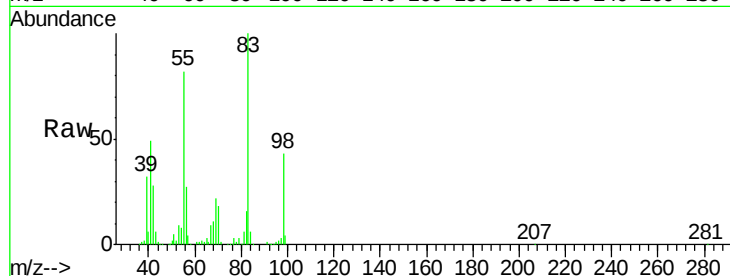




#39
Methylcyclohexane
Concen: 21.403 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

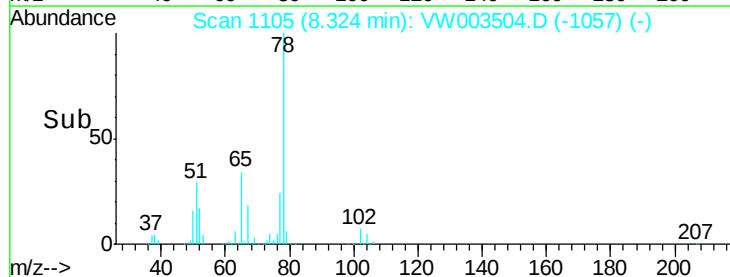
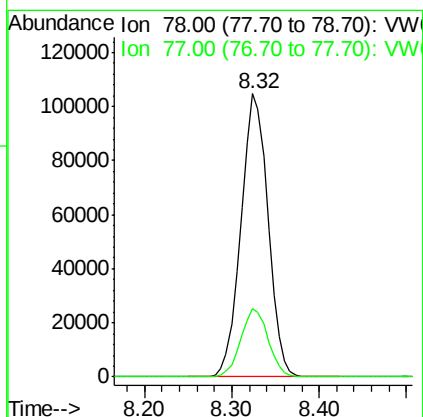
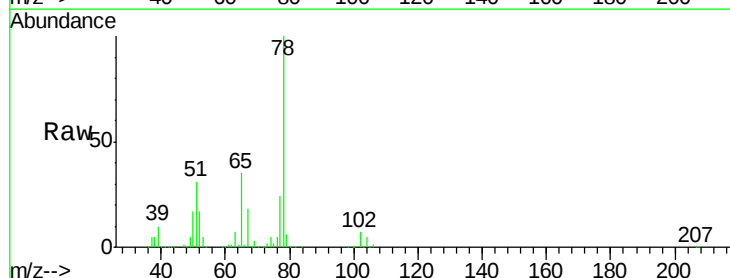
Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tgt Ion: 83 Resp: 95525
Ion Ratio Lower Upper
83 100
55 81.5 62.6 93.8
98 42.9 37.0 55.4



#40
Benzene
Concen: 21.182 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion: 78 Resp: 225216
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

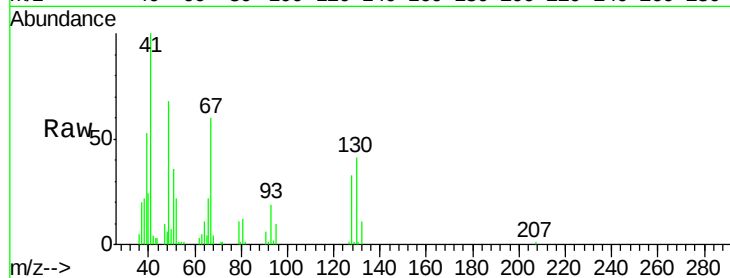




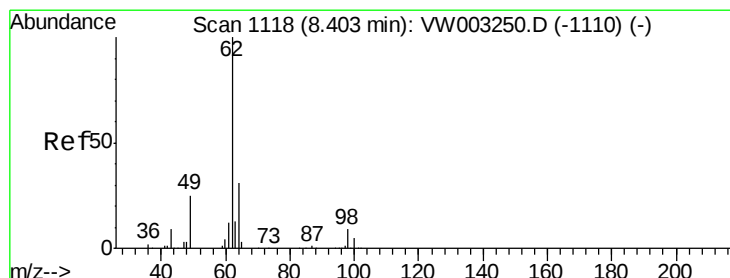
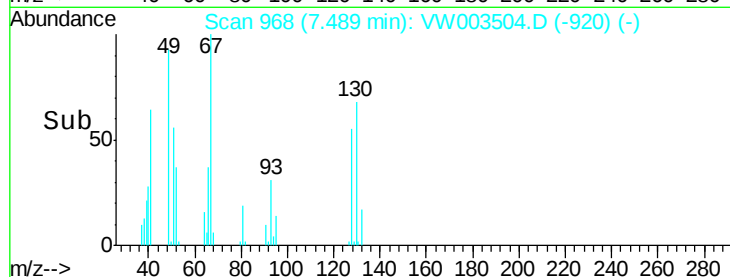
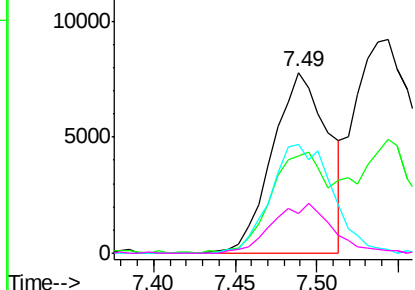
#41
Methacrylonitrile
Concen: 18.903 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tgt Ion:	41	Resp:	18537
Ion	Ratio	Lower	Upper
41	100		
39	59.4	45.8	68.8
67	66.9	52.3	78.5
52	29.7	24.1	36.1

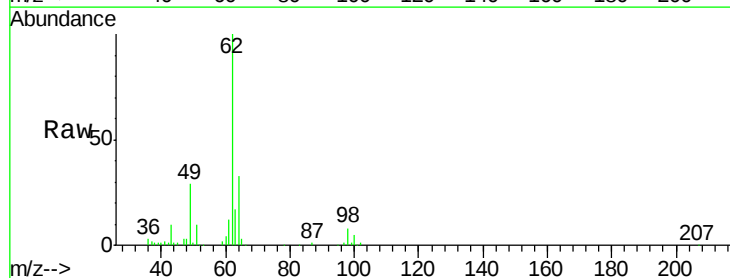


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

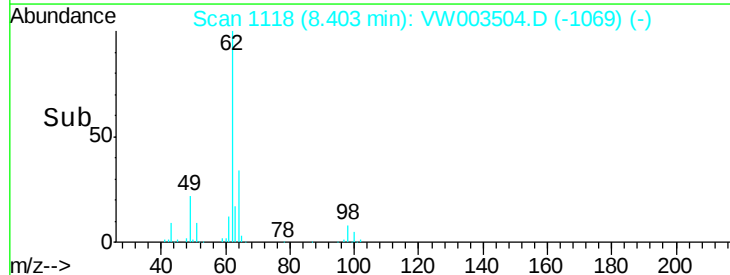
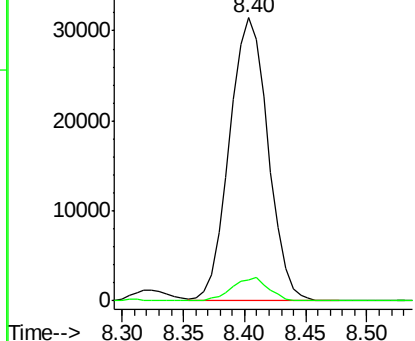


#42
1,2-Dichloroethane
Concen: 20.654 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion:	62	Resp:	68804
Ion	Ratio	Lower	Upper
62	100		
98	7.8	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: 18.722 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

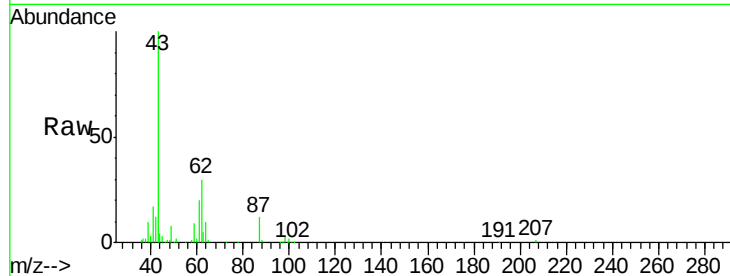
Tgt Ion: 43 Resp: 59406

Ion Ratio Lower Upper

43 100

61 31.2 23.1 34.7

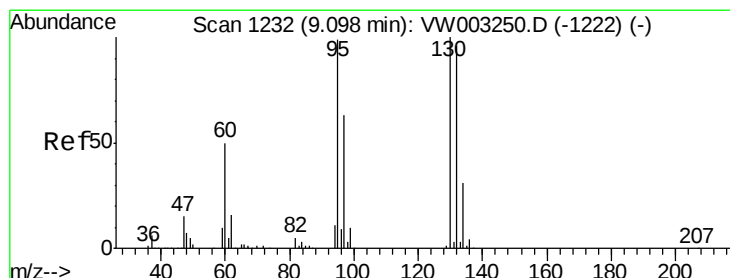
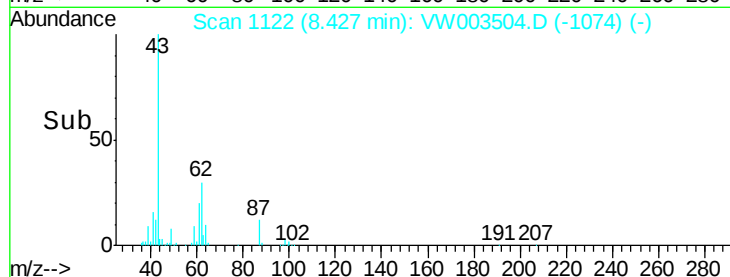
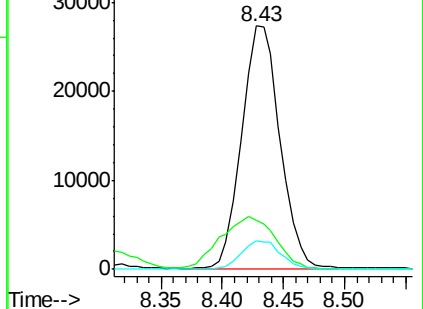
87 12.1 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.844 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003504.D

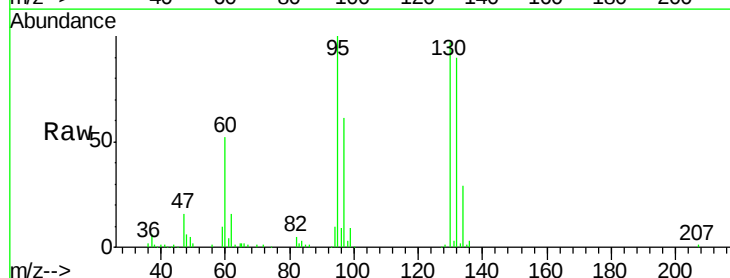
Acq: 24 Jun 2018 12:28

Tgt Ion: 130 Resp: 58726

Ion Ratio Lower Upper

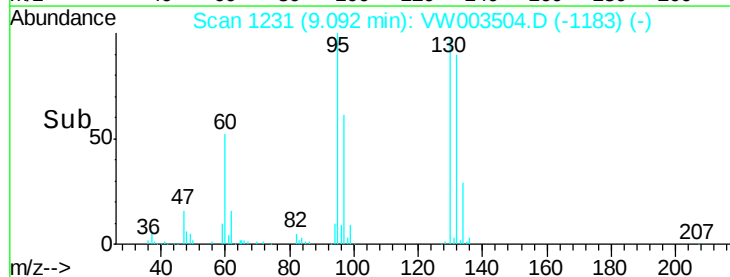
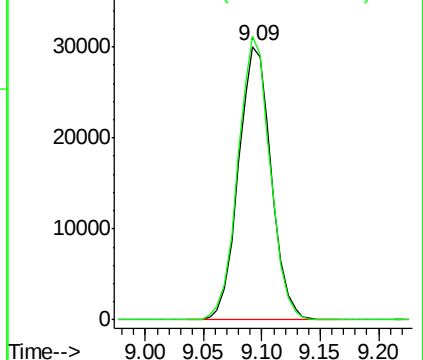
130 100

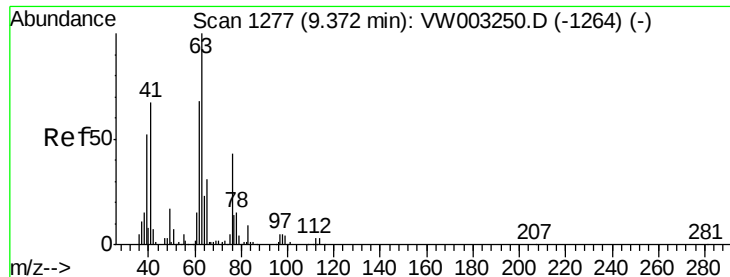
95 103.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.017 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

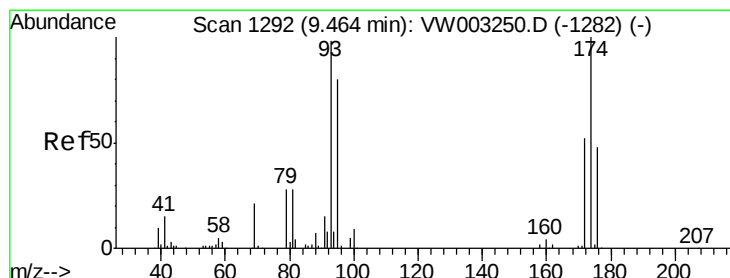
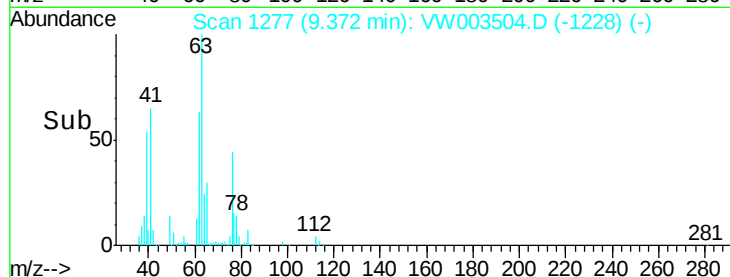
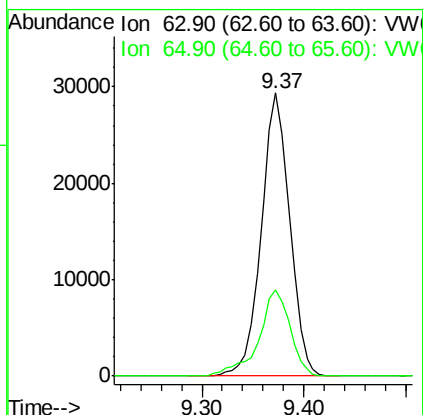
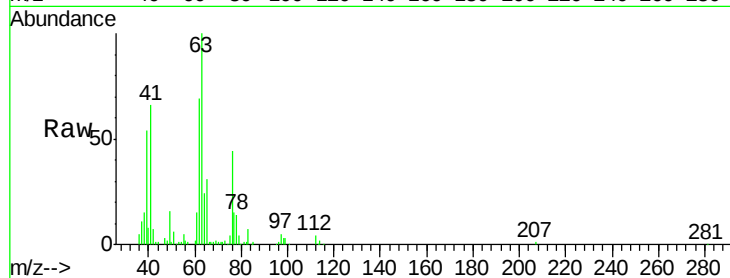
VW0624SBS01

Tgt Ion: 63 Resp: 56896

Ion Ratio Lower Upper

63 100

65 30.6 25.1 37.7



#46

Dibromomethane

Concen: 20.049 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

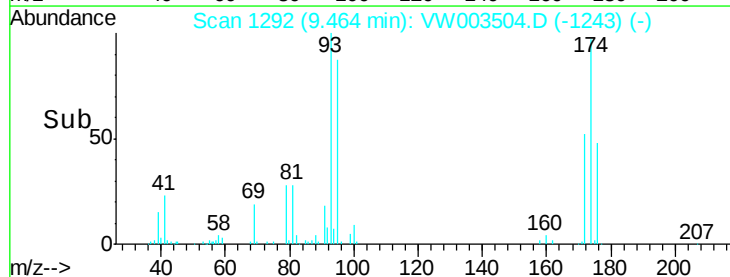
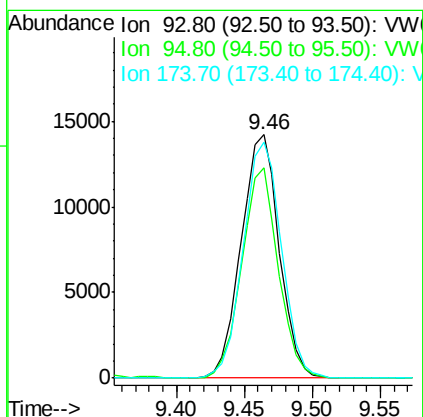
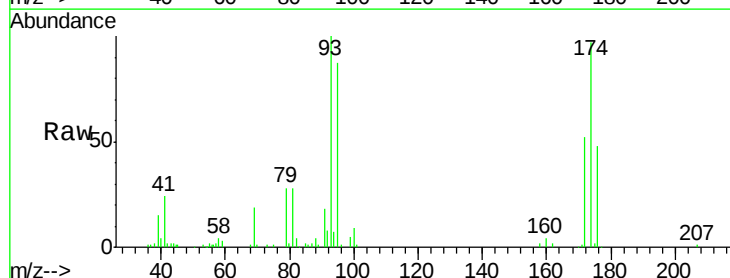
Tgt Ion: 93 Resp: 27789

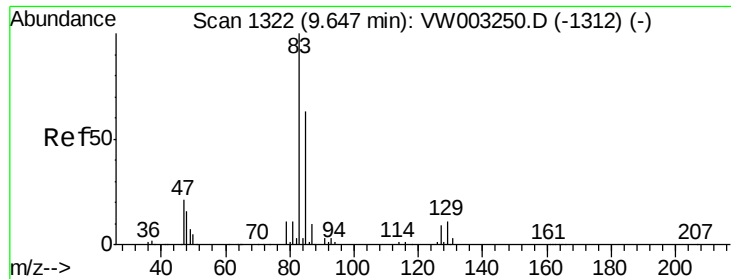
Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

174 97.5 81.4 122.0





#47

Bromodichloromethane

Concen: 20.416 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

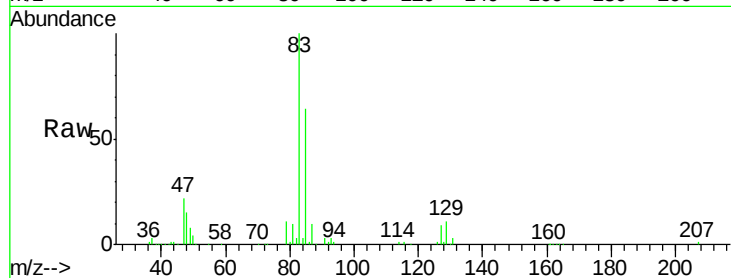
Tgt Ion: 83 Resp: 72533

Ion Ratio Lower Upper

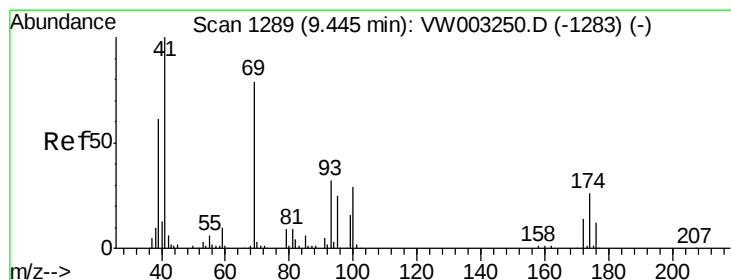
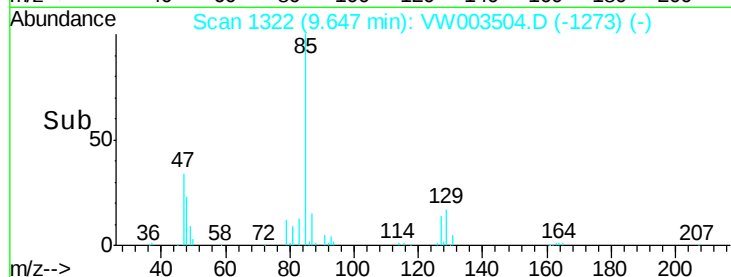
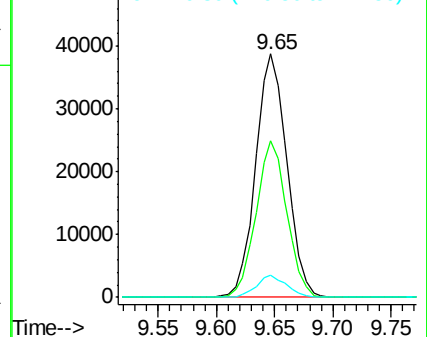
83 100

85 64.1 50.6 75.8

127 9.2 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: 19.379 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

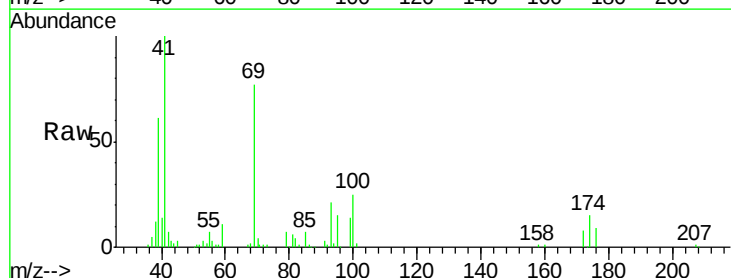
Tgt Ion: 41 Resp: 28897

Ion Ratio Lower Upper

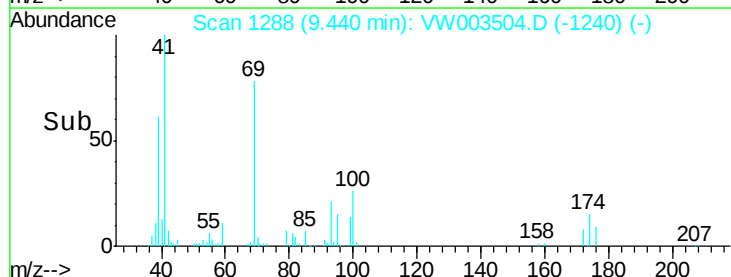
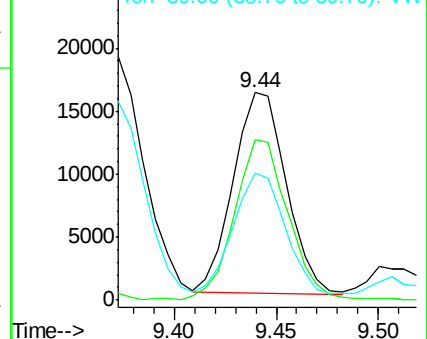
41 100

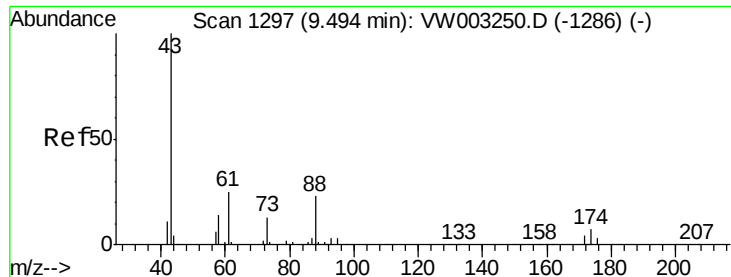
69 80.8 65.4 98.2

39 64.9 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: 371.857 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

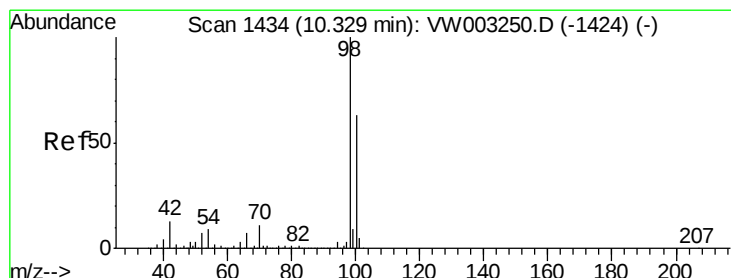
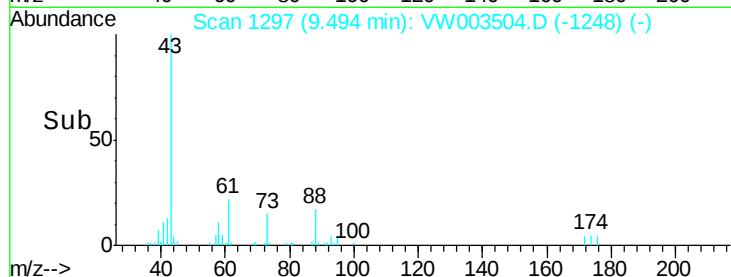
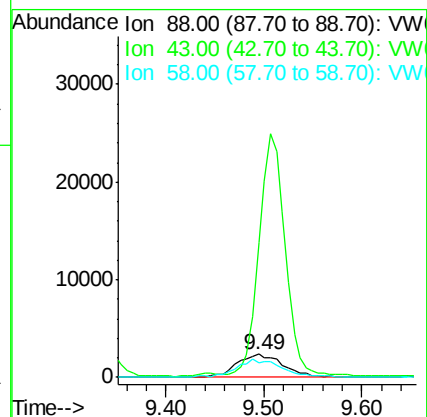
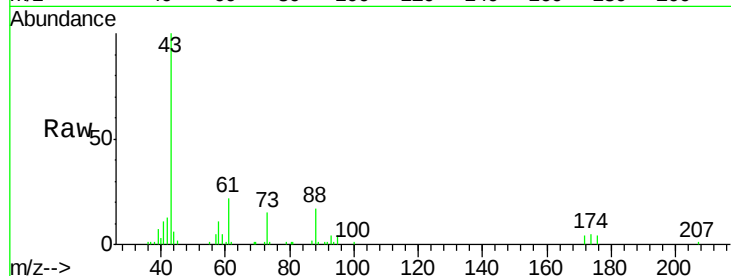
Tgt Ion: 88 Resp: 7782

Ion Ratio Lower Upper

88 100

43 595.8 454.7 682.1

58 76.0 58.6 88.0



#50

Toluene-d8

Concen: 51.777 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003504.D

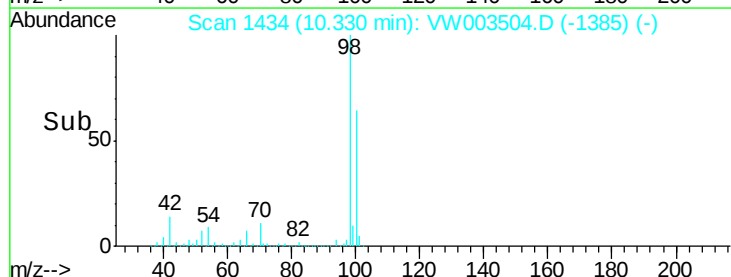
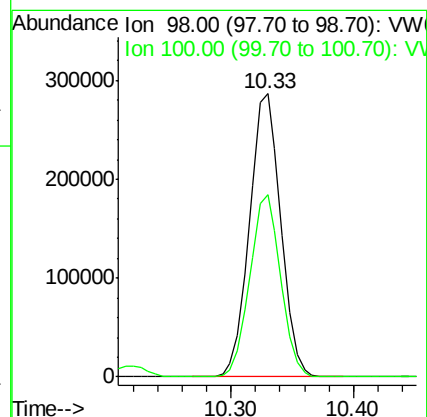
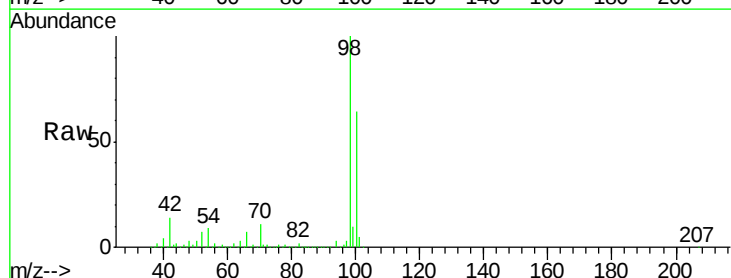
Acq: 24 Jun 2018 12:28

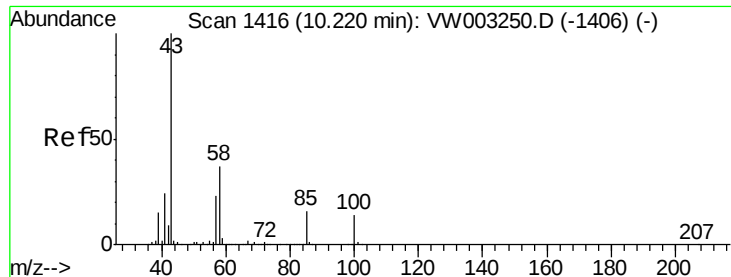
Tgt Ion: 98 Resp: 509543

Ion Ratio Lower Upper

98 100

100 63.4 50.8 76.2

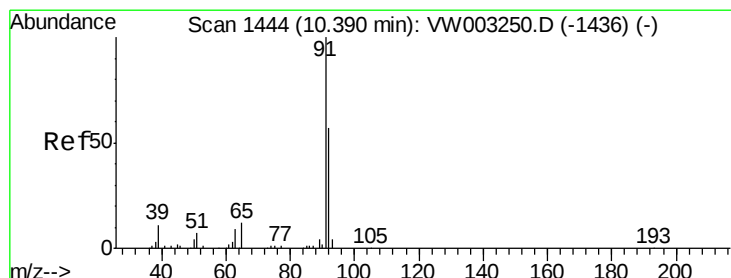
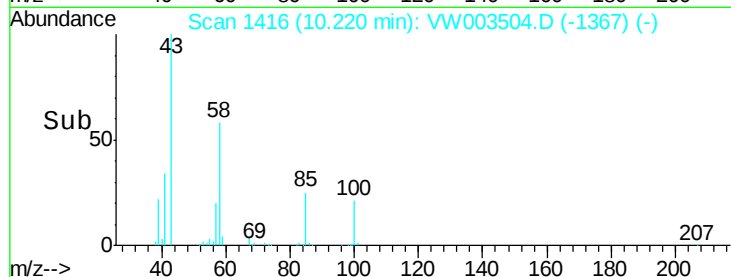
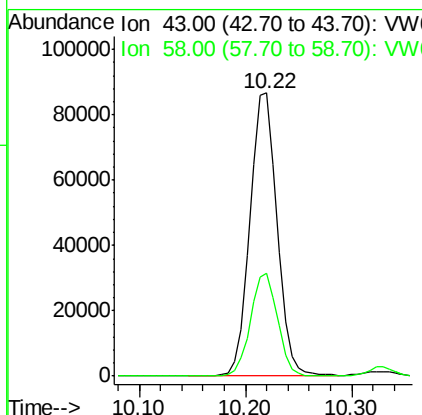
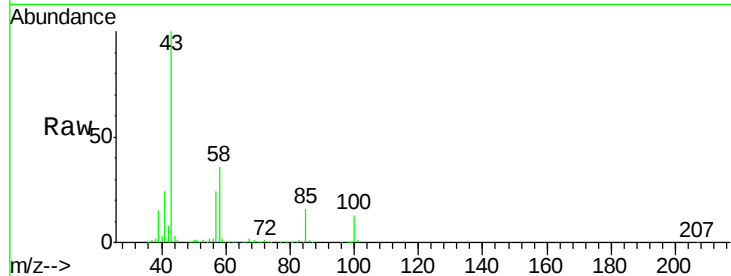




#51
 4-Methyl-2-Pentanone
 Concen: 96.232 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

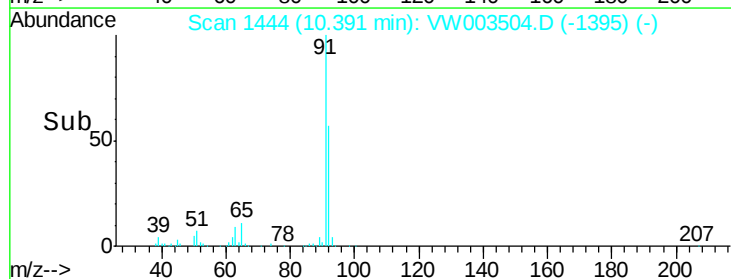
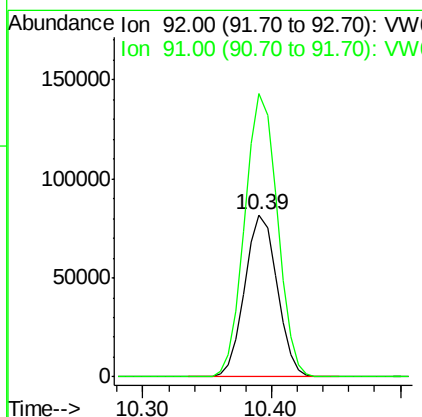
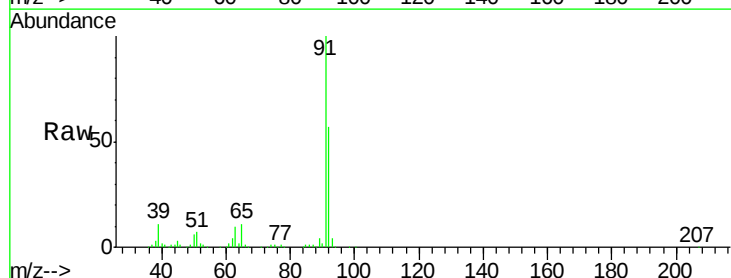
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

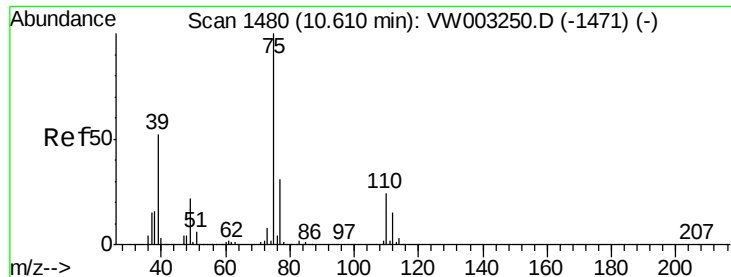
Tgt Ion: 43 Resp: 155592
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.4



#52
 Toluene
 Concen: 20.853 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion: 92 Resp: 142182
 Ion Ratio Lower Upper
 92 100
 91 176.3 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 19.769 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

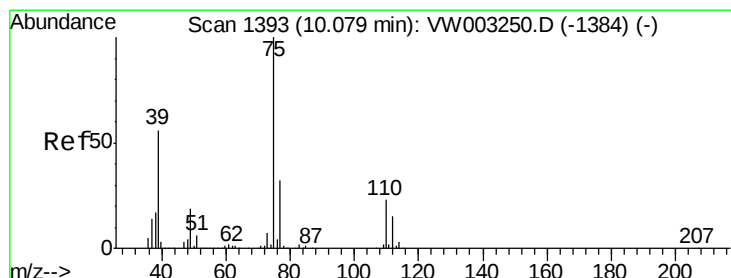
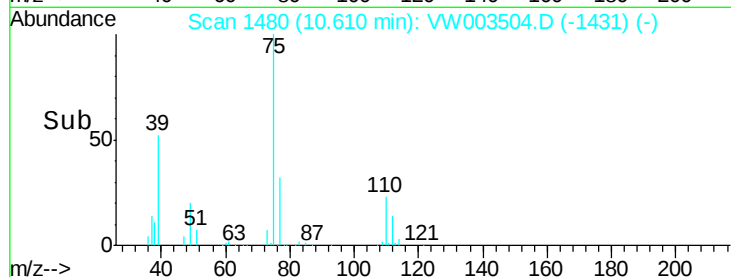
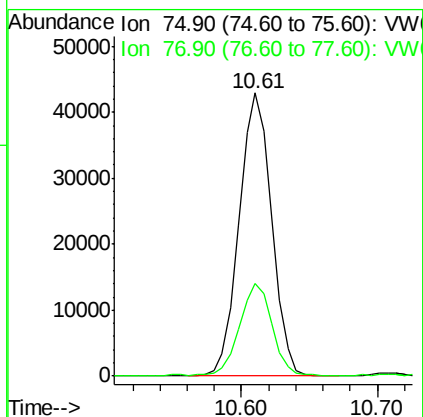
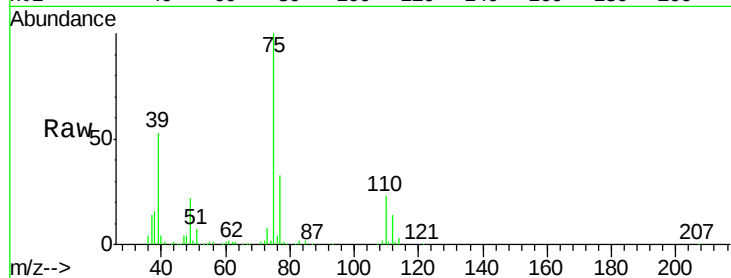
VW0624SBS01

Tgt Ion: 75 Resp: 71746

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.306 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

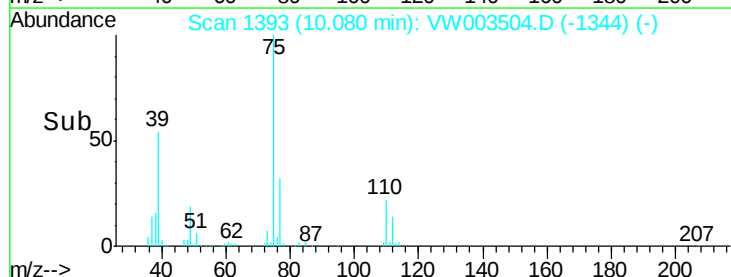
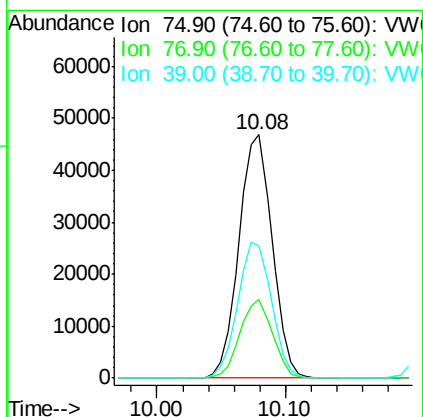
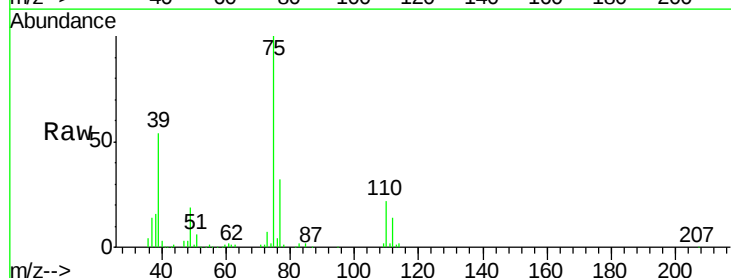
Tgt Ion: 75 Resp: 83877

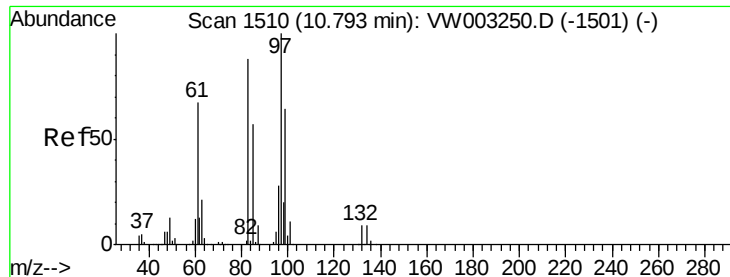
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 54.3 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 19.683 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tgt Ion: 97 Resp: 38442

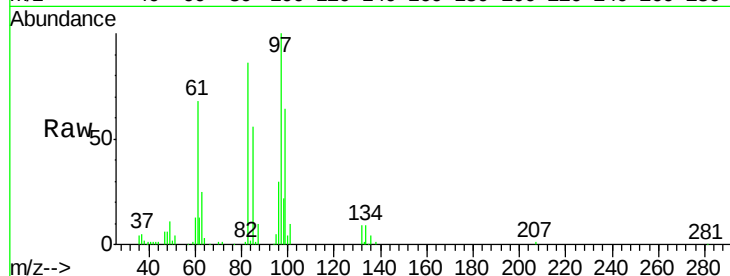
Ion Ratio Lower Upper

97 100

83 85.4 70.2 105.2

85 55.9 45.6 68.4

99 63.7 51.2 76.8

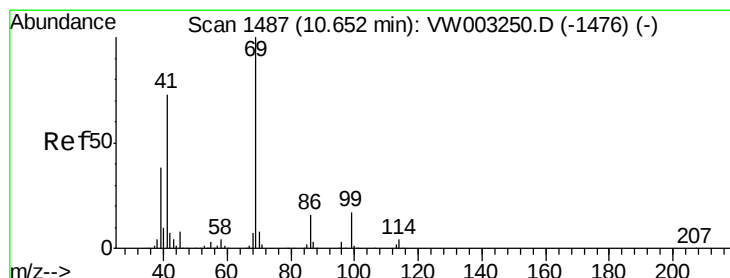
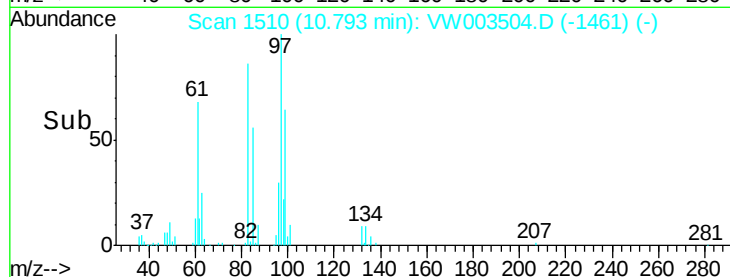
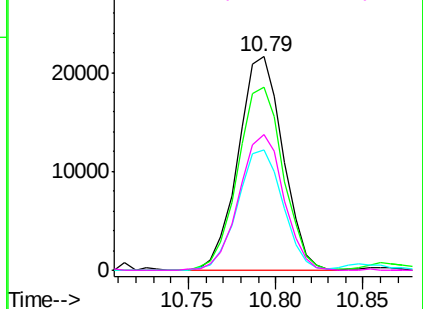


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 19.167 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

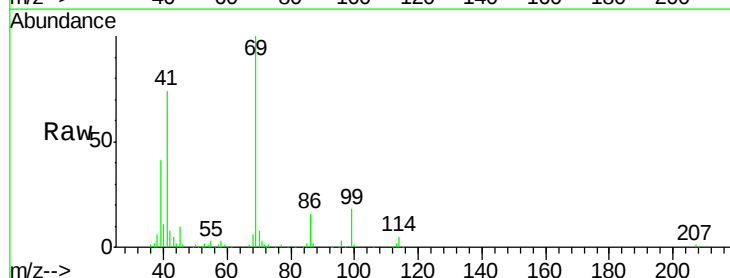
Tgt Ion: 69 Resp: 45458

Ion Ratio Lower Upper

69 100

41 75.0 57.8 86.6

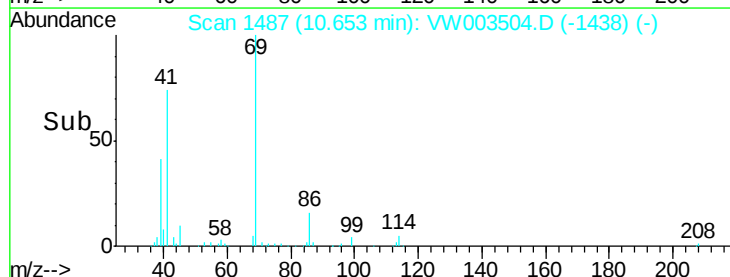
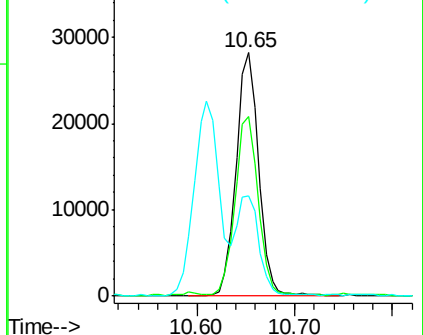
39 39.0 32.7 49.1

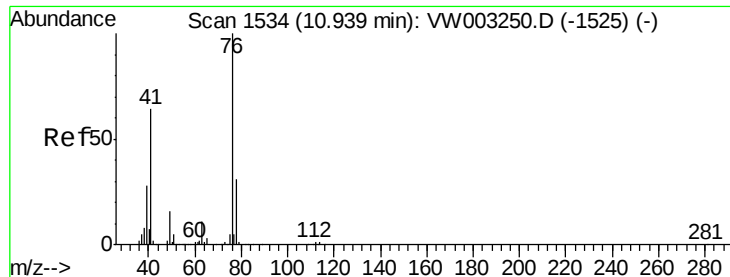


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.262 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

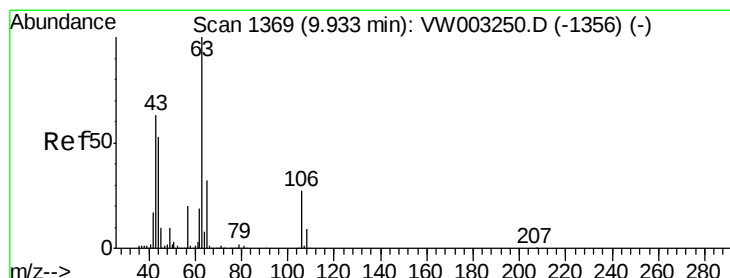
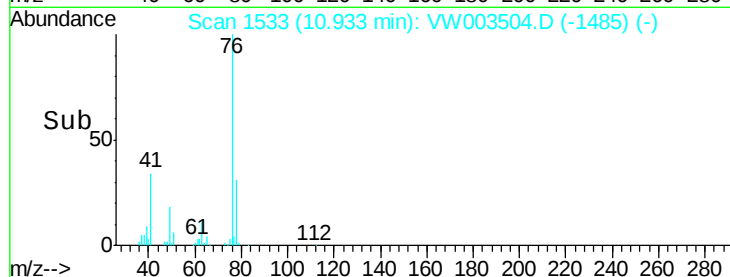
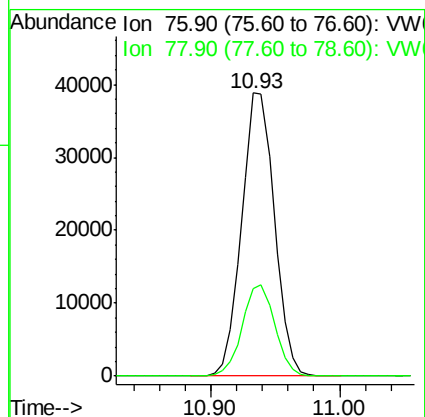
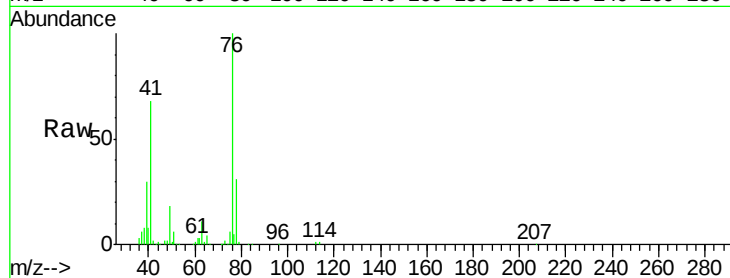
VW0624SBS01

Tgt Ion: 76 Resp: 68253

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 97.979 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VW003504.D

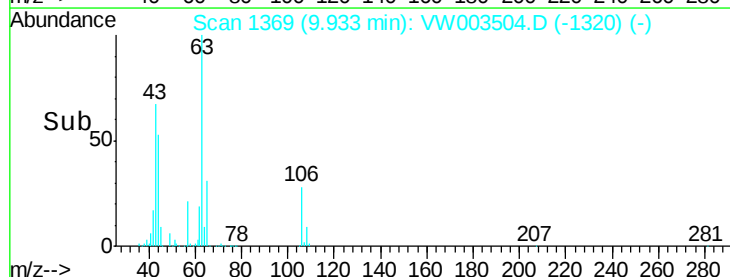
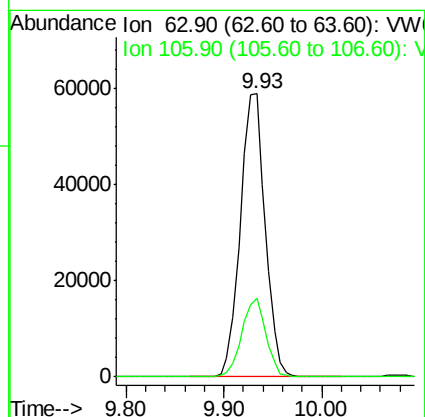
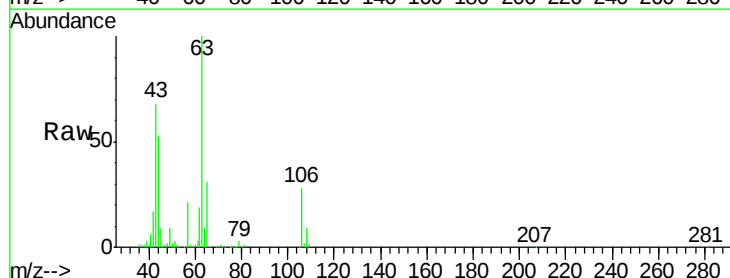
Acq: 24 Jun 2018 12:28

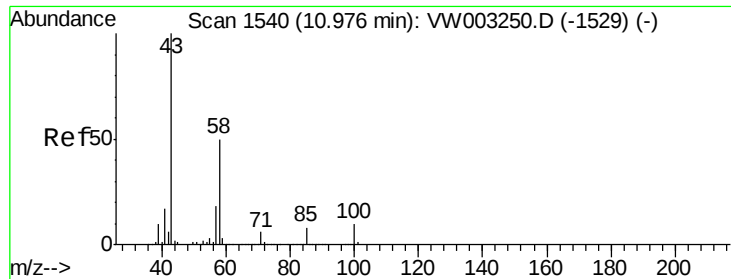
Tgt Ion: 63 Resp: 104170

Ion Ratio Lower Upper

63 100

106 26.8 21.8 32.8

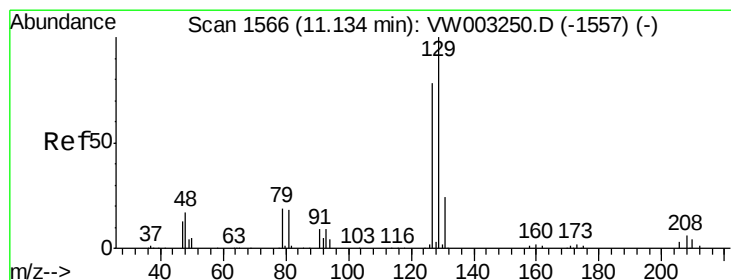
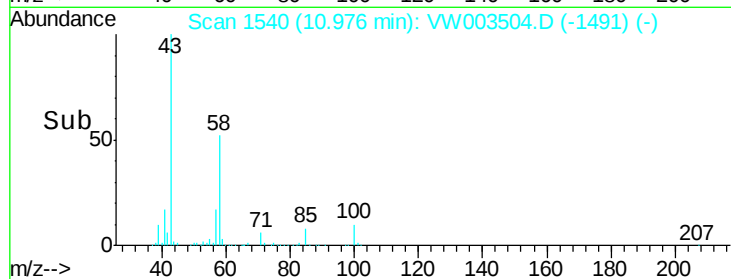
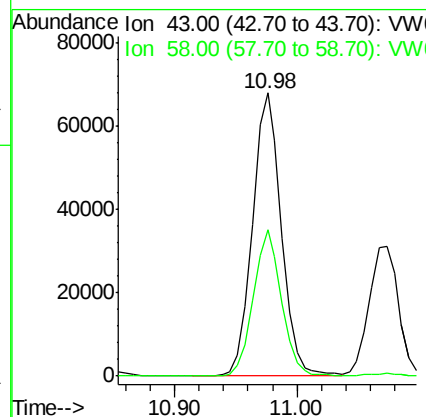
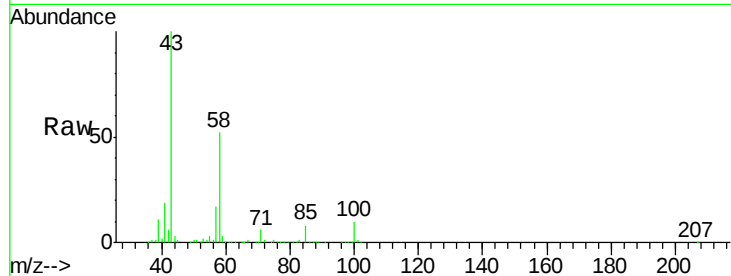




#59
2-Hexanone
Concen: 98.580 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

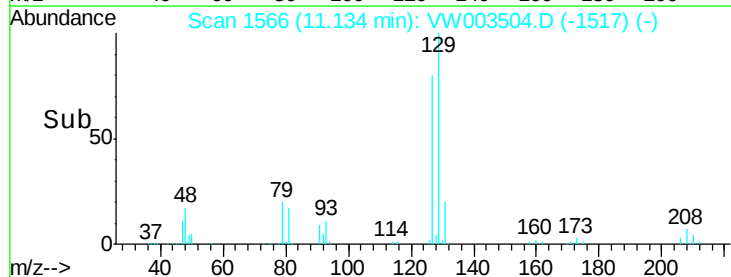
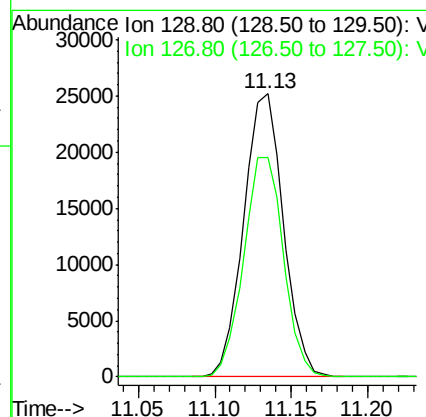
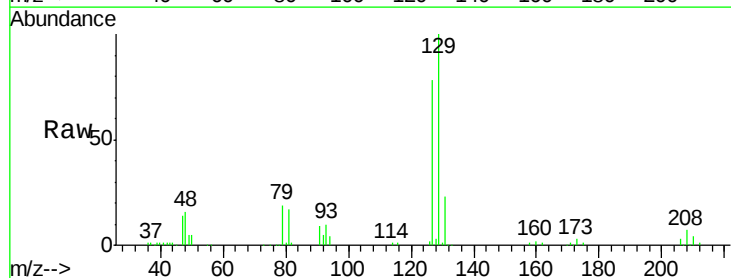
Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

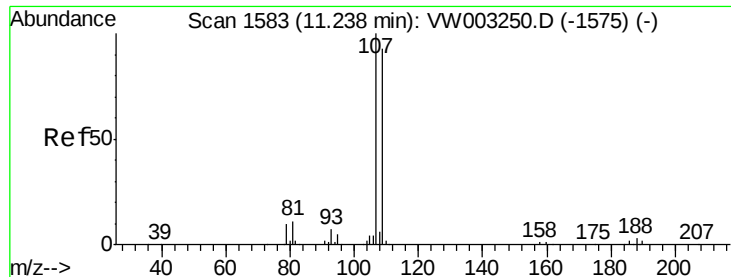
Tgt Ion: 43 Resp: 111347
Ion Ratio Lower Upper
43 100
58 50.5 25.0 75.0



#60
Dibromochloromethane
Concen: 19.593 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion: 129 Resp: 45508
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.5

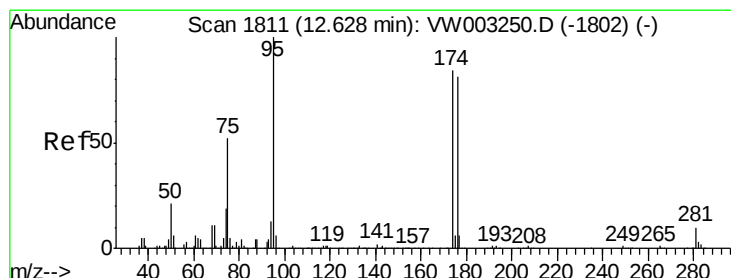
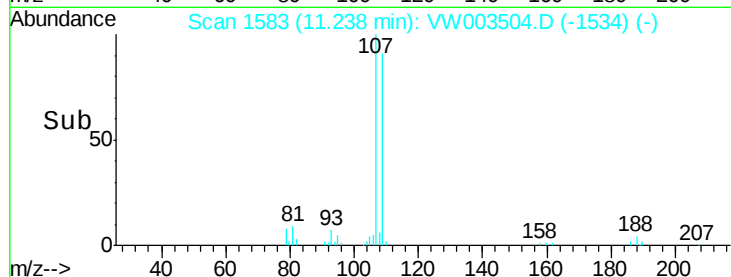
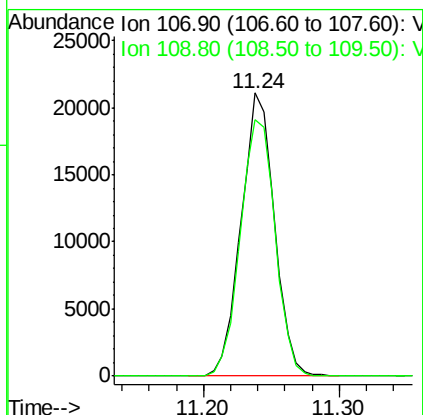
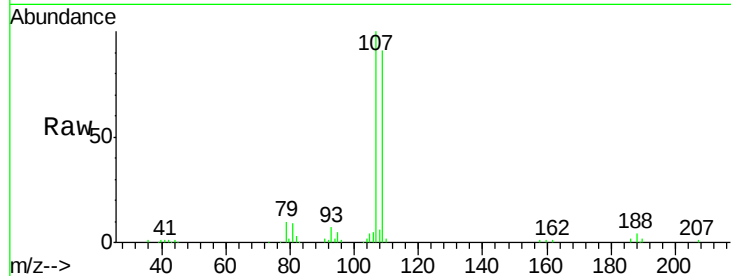




#61
 1,2-Dibromoethane
 Concen: 19.563 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

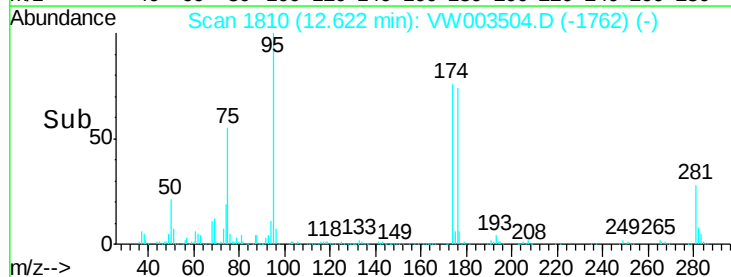
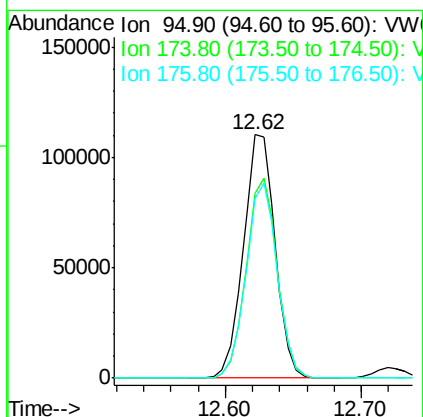
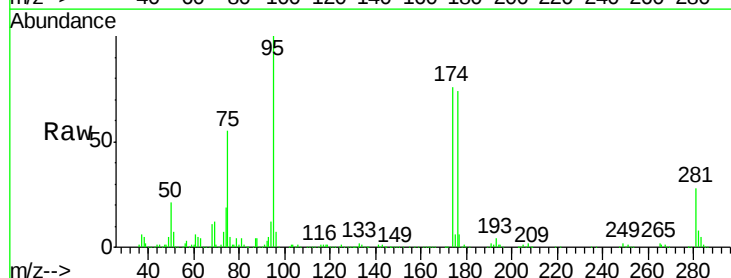
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

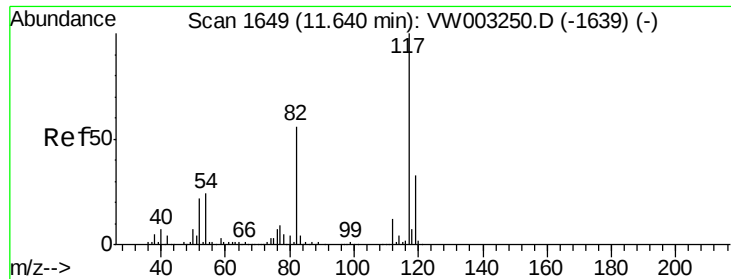
Tgt Ion: 107 Resp: 36142
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 51.407 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion: 95 Resp: 179034
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 166.4
 176 79.1 0.0 162.0

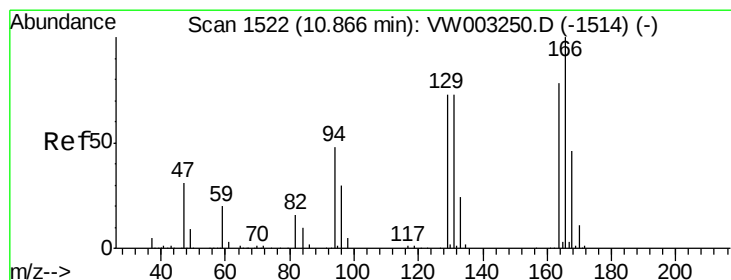
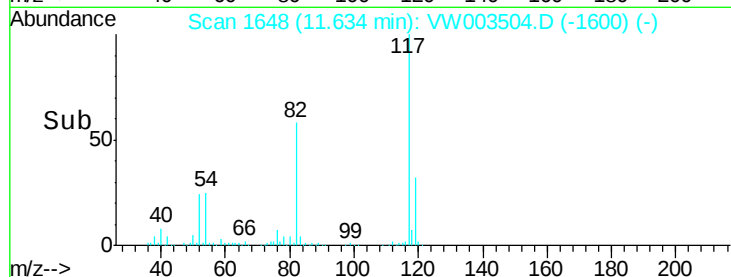
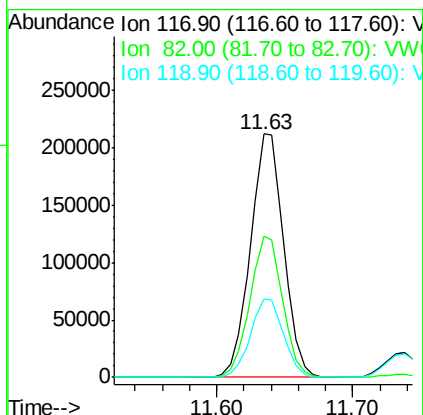
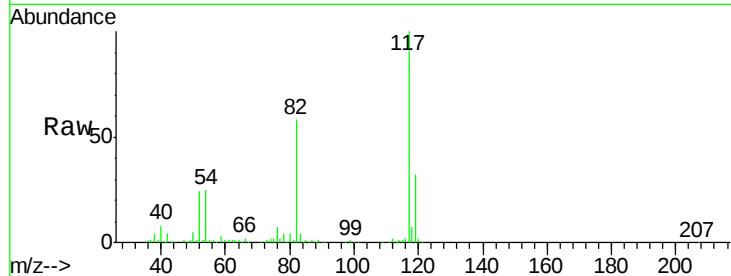




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

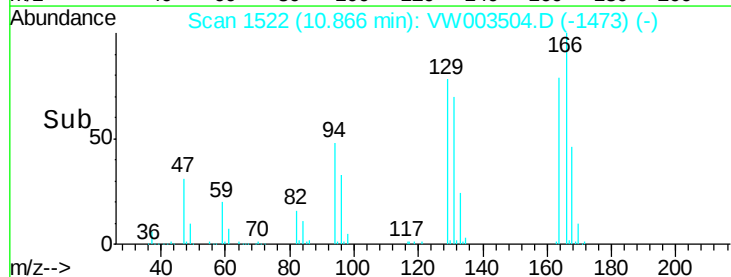
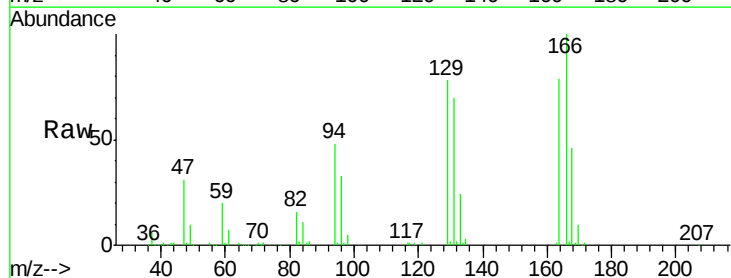
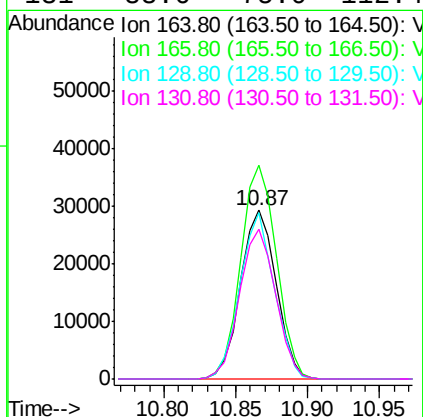
Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

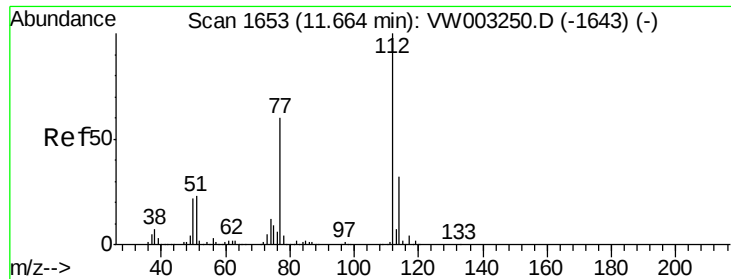
Tgt Ion:117 Resp: 363397
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 32.3 26.7 40.1



#64
Tetrachloroethene
Concen: 20.599 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion:164 Resp: 50067
Ion Ratio Lower Upper
164 100
166 126.8 102.6 154.0
129 98.7 75.2 112.8
131 88.6 75.0 112.4





#65

Chlorobenzene

Concen: 20.609 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

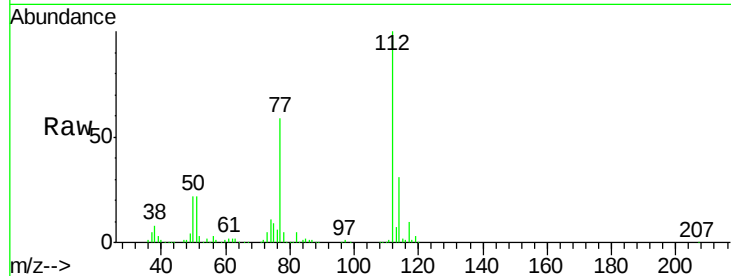
VW0624SBS01

Tgt Ion:112 Resp: 155959

Ion Ratio Lower Upper

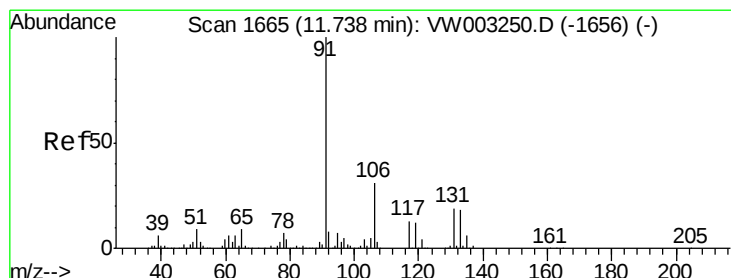
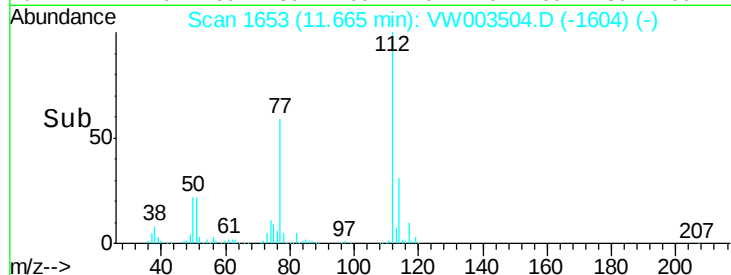
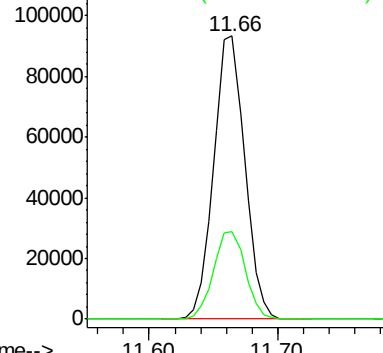
112 100

114 31.0 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: 20.147 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

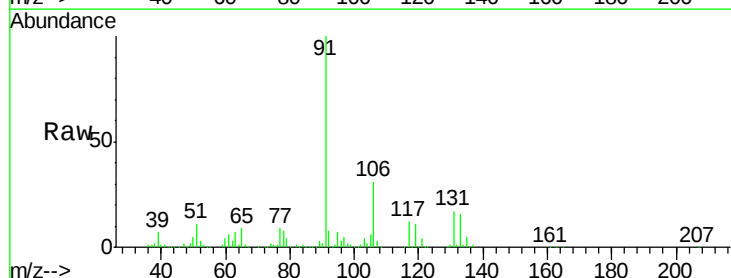
Tgt Ion:131 Resp: 53577

Ion Ratio Lower Upper

131 100

133 96.5 47.3 142.0

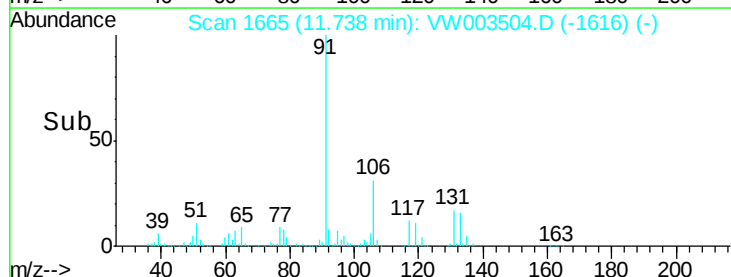
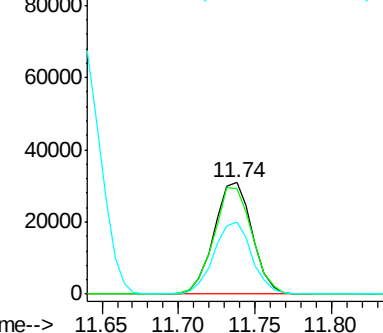
119 63.7 32.5 97.4

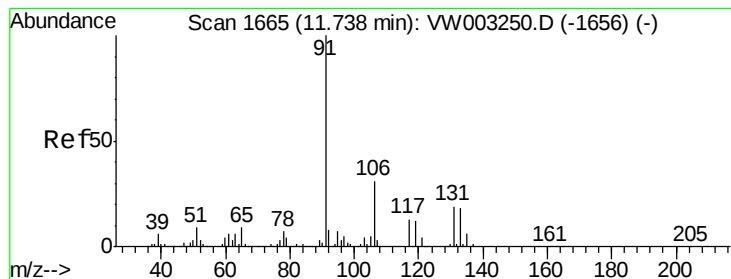


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.803 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

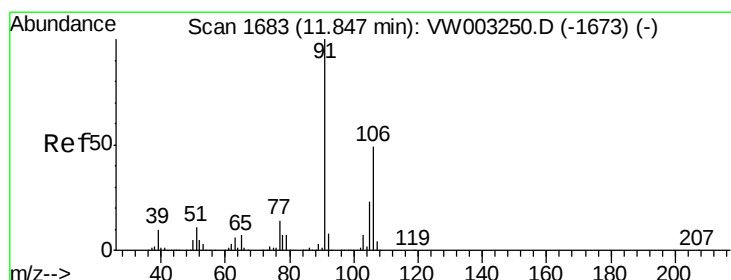
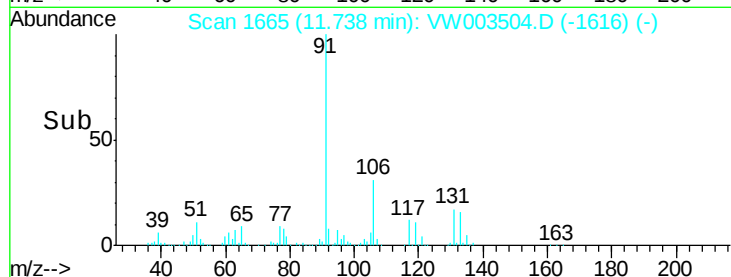
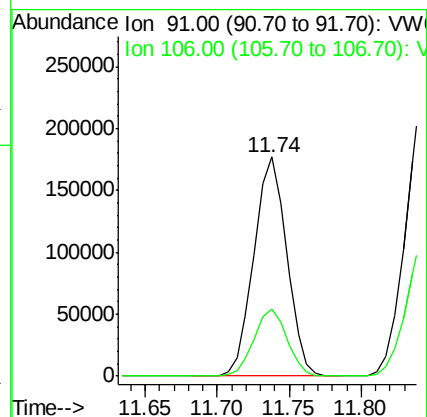
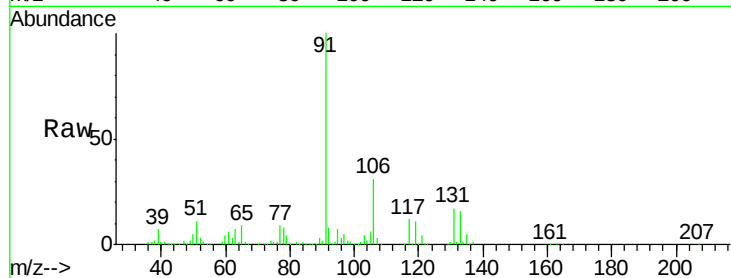
VW0624SBS01

Tgt Ion: 91 Resp: 279051

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1



#68

m/p-Xylenes

Concen: 41.963 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003504.D

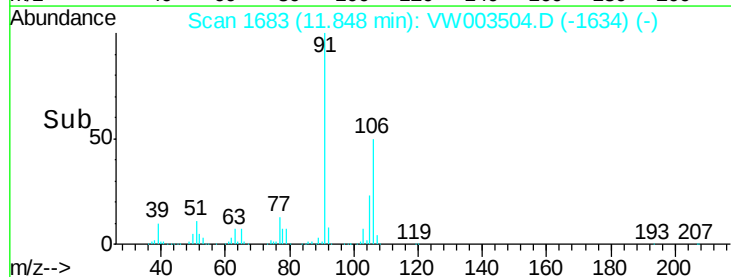
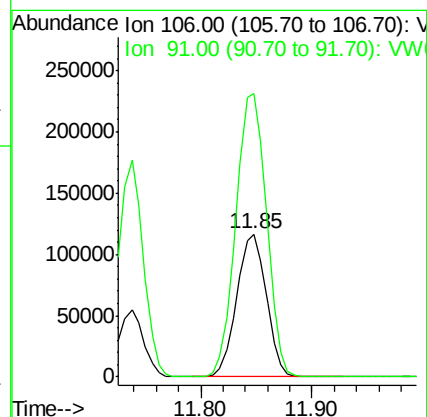
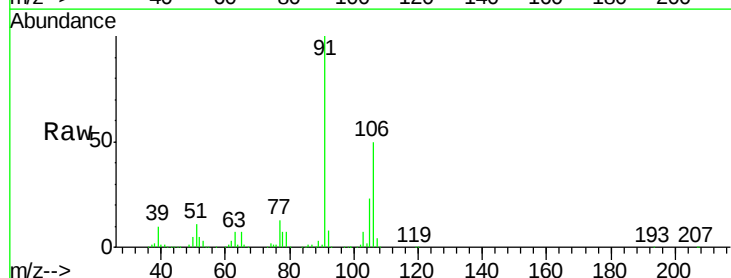
Acq: 24 Jun 2018 12:28

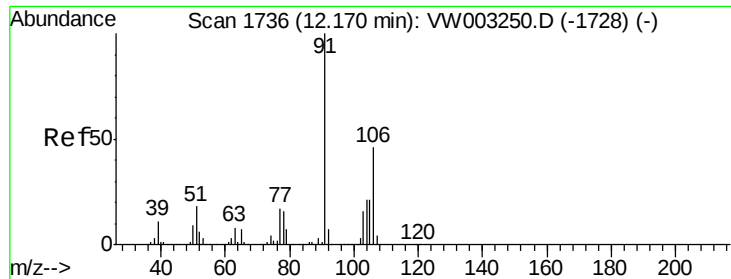
Tgt Ion: 106 Resp: 213979

Ion Ratio Lower Upper

106 100

91 206.1 165.4 248.0

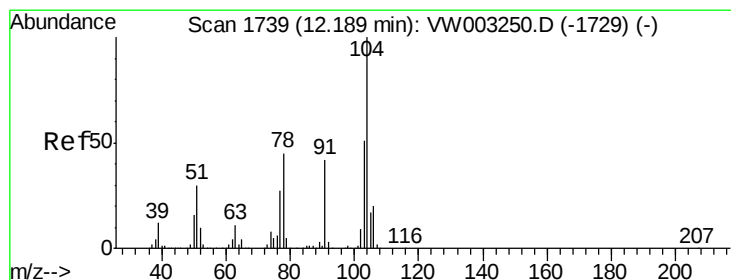
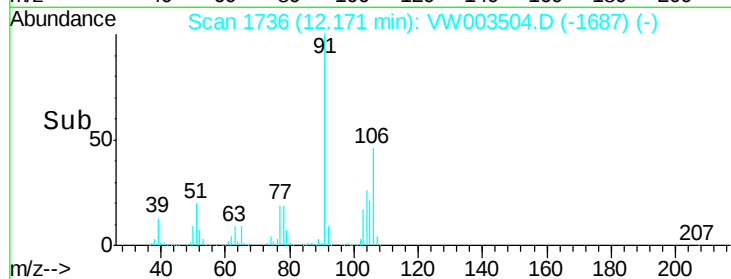
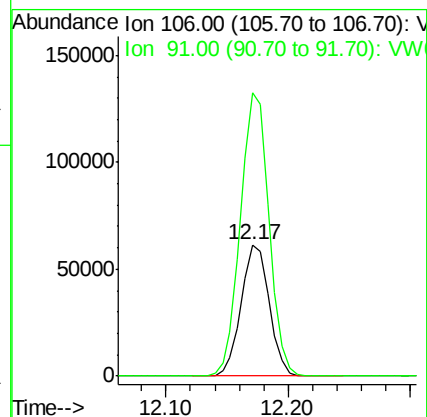
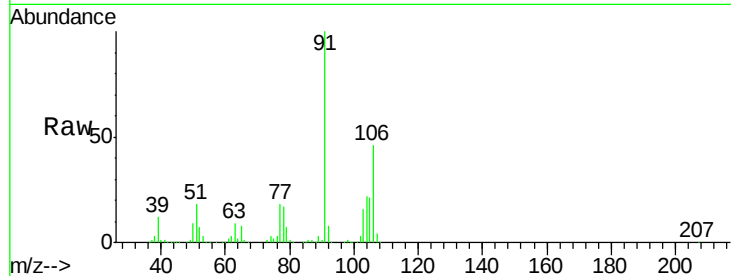




#69
o-Xylene
Concen: 20.640 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

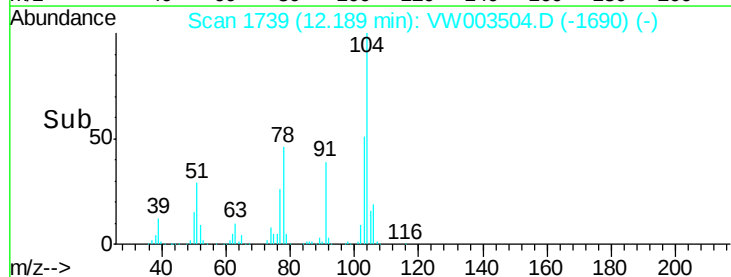
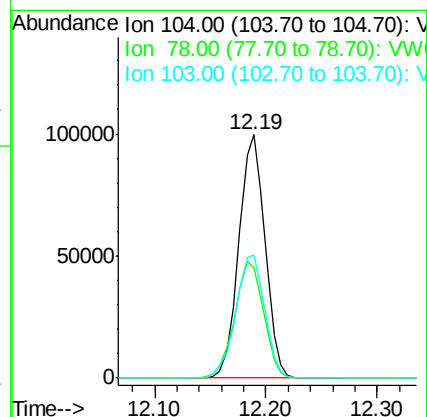
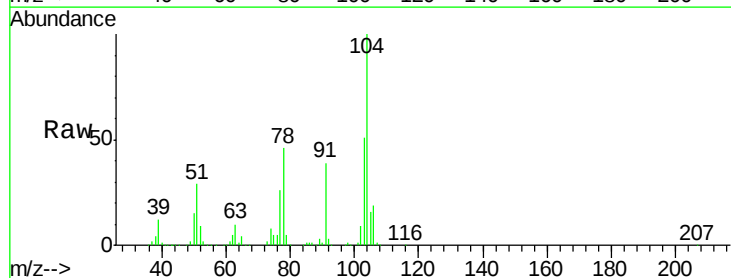
Instrument :
MSVOA_W
ClientSampled :
VW0624SBS01

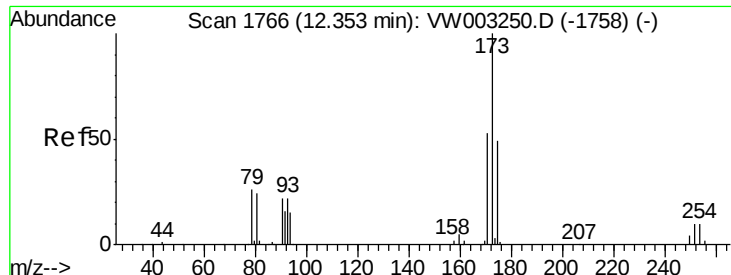
Tgt Ion:106 Resp: 97543
Ion Ratio Lower Upper
106 100
91 218.4 108.6 325.6



#70
Styrene
Concen: 20.597 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion:104 Resp: 162020
Ion Ratio Lower Upper
104 100
78 53.2 41.3 61.9
103 55.8 45.0 67.4





#71

Bromoform

Concen: 18.812 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

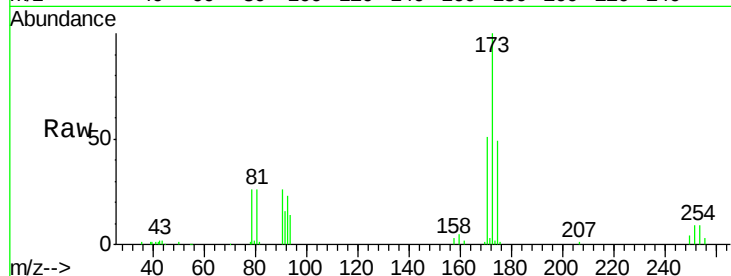
Tgt Ion:173 Resp: 25927

Ion Ratio Lower Upper

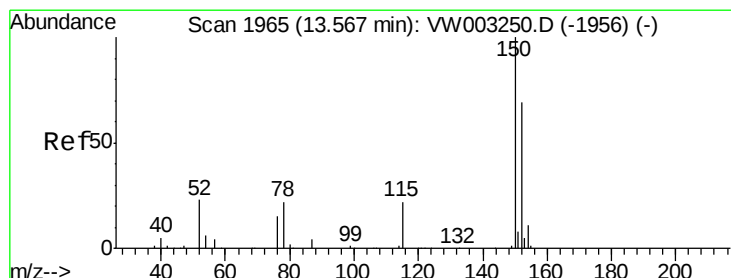
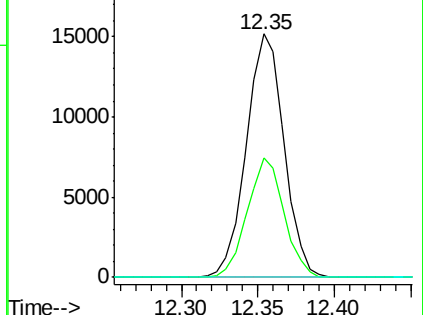
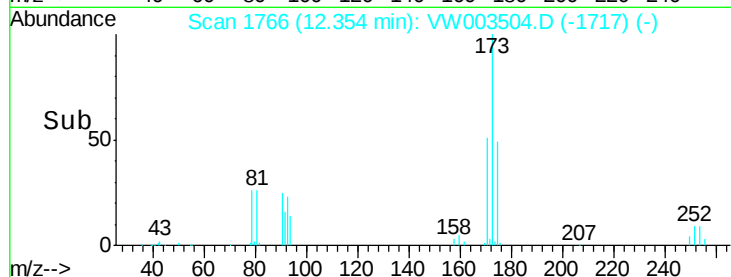
173 100

175 47.9 24.4 73.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

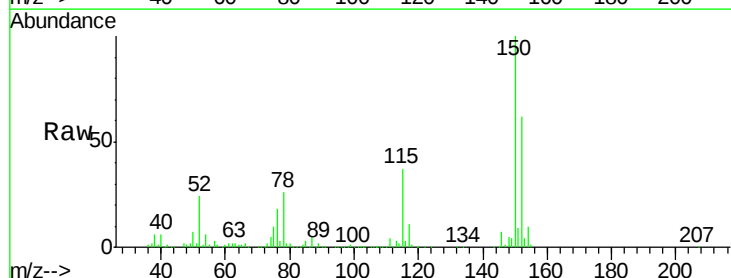
Tgt Ion:152 Resp: 193522

Ion Ratio Lower Upper

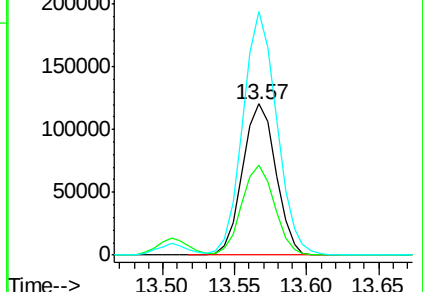
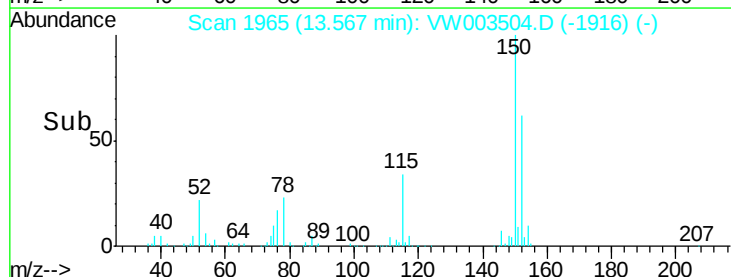
152 100

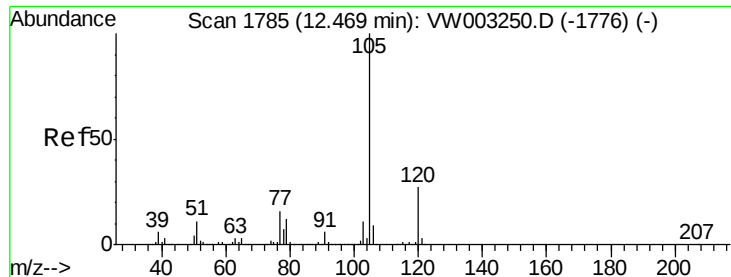
115 58.2 29.3 88.0

150 163.4 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: 20.735 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

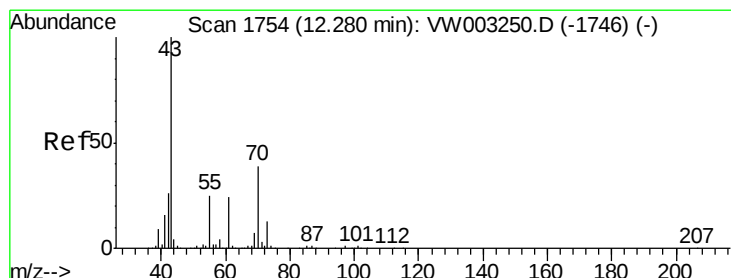
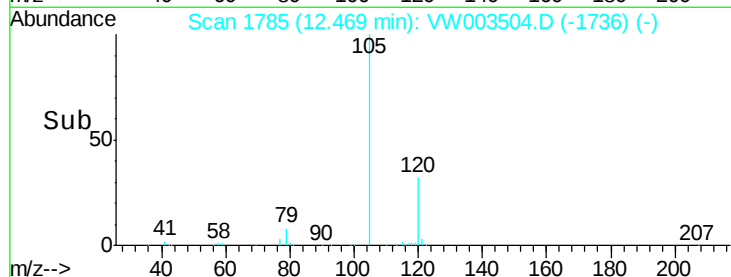
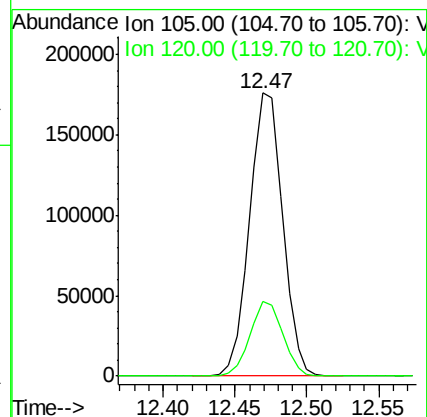
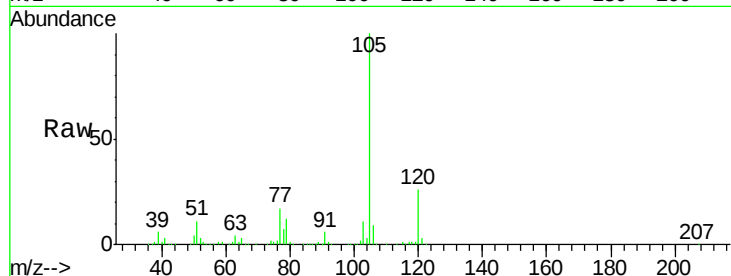
VW0624SBS01

Tgt Ion:105 Resp: 279104

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 18.980 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion: 43 Resp: 58149

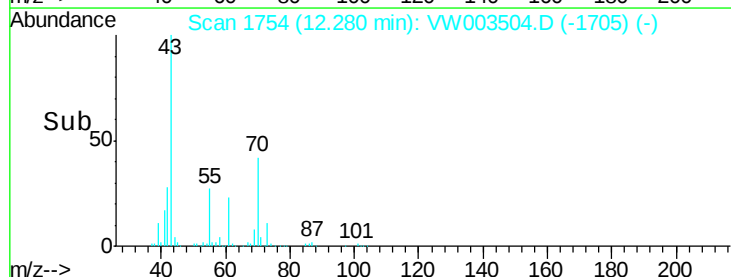
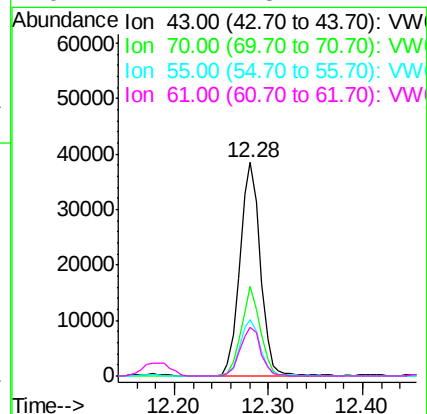
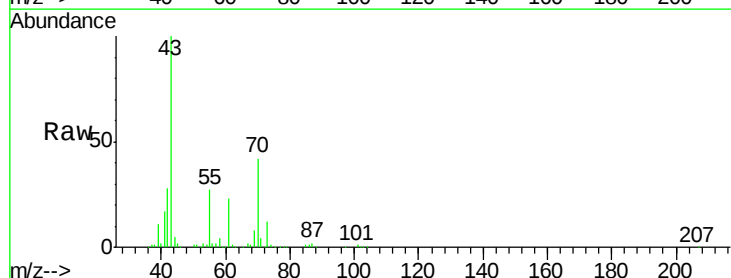
Ion Ratio Lower Upper

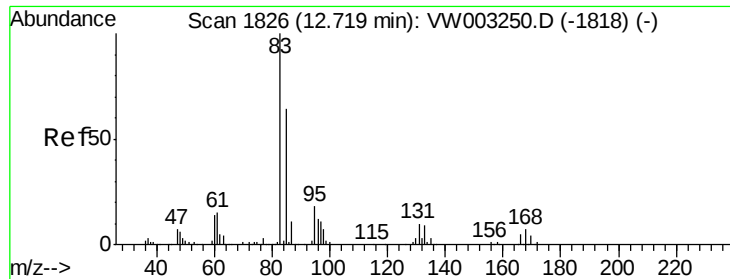
43 100

70 38.7 31.0 46.6

55 26.3 19.7 29.5

61 22.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.185 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

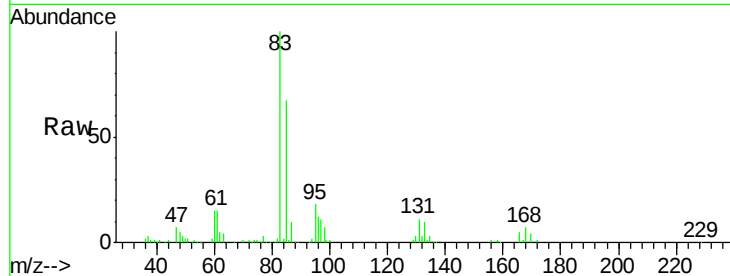
Tgt Ion: 83 Resp: 43688

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

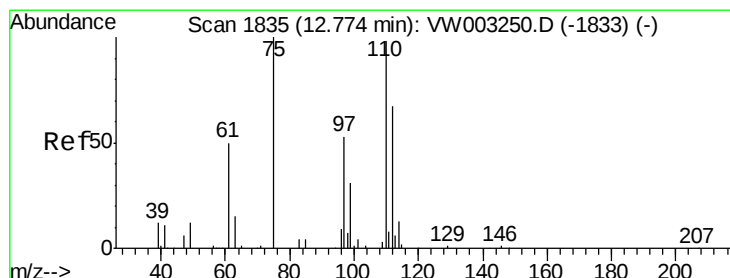
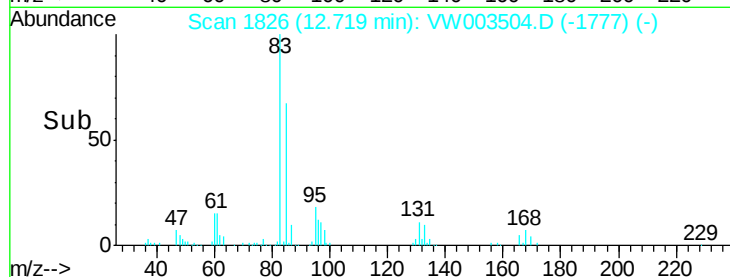
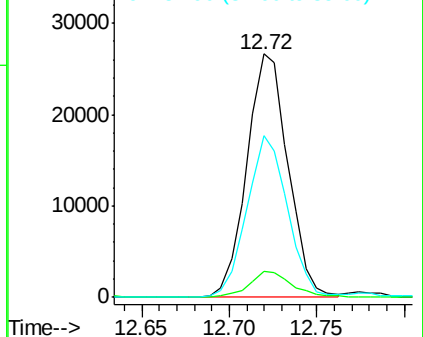
85 66.0 31.9 95.7



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: 36.340 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003504.D

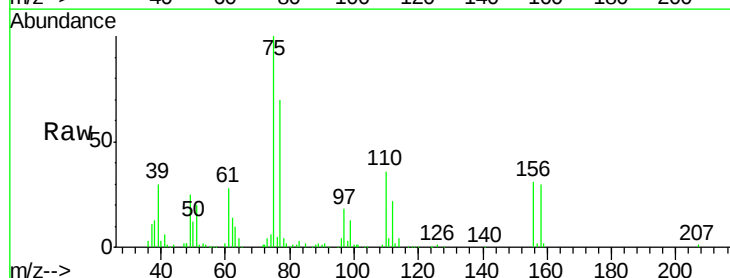
Acq: 24 Jun 2018 12:28

Tgt Ion: 75 Resp: 60120

Ion Ratio Lower Upper

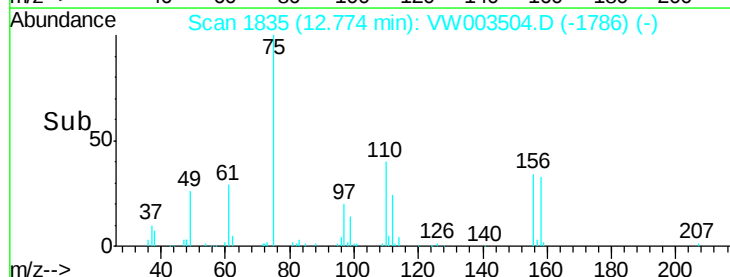
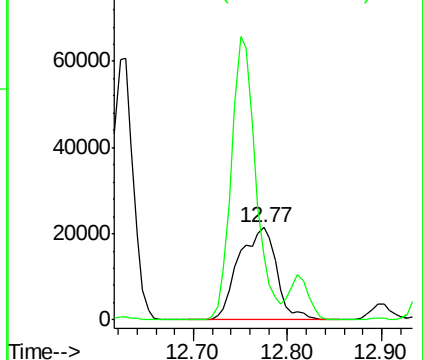
75 100

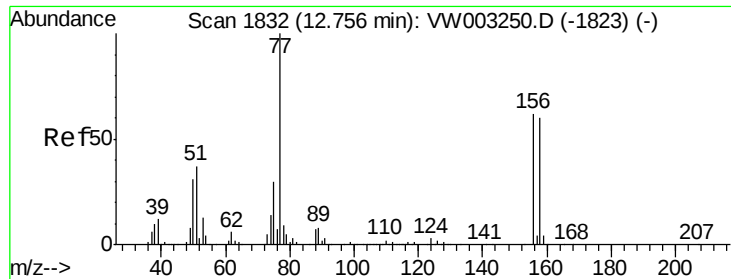
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.160 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampled :

VW0624SBS01

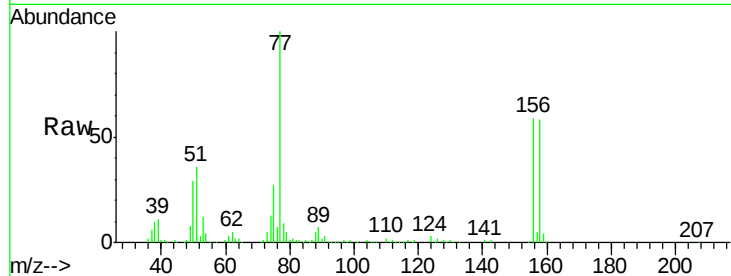
Tgt Ion:156 Resp: 63195

Ion Ratio Lower Upper

156 100

77 188.2 92.3 276.9

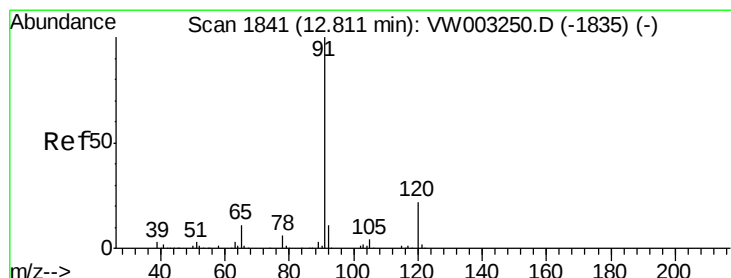
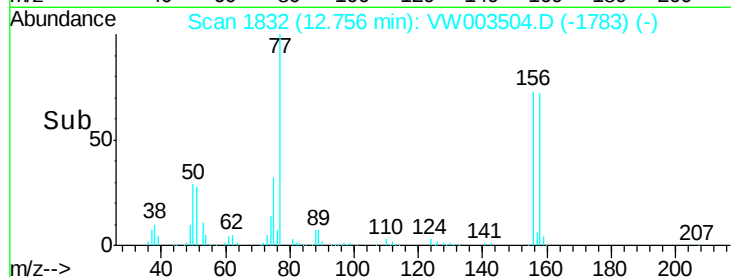
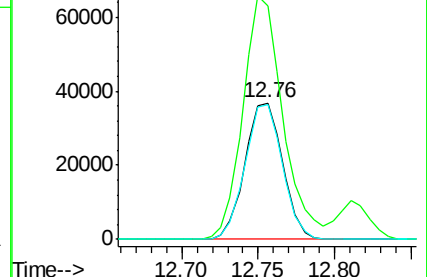
158 98.2 47.5 142.6



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: 21.245 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003504.D

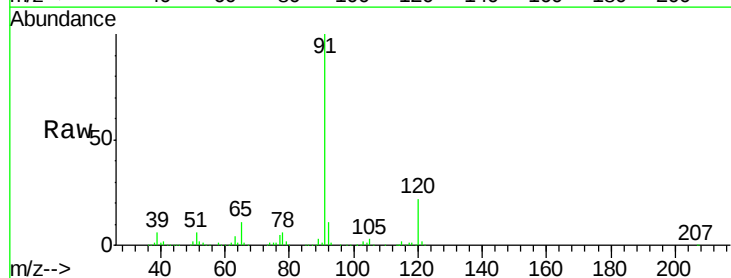
Acq: 24 Jun 2018 12:28

Tgt Ion: 91 Resp: 350165

Ion Ratio Lower Upper

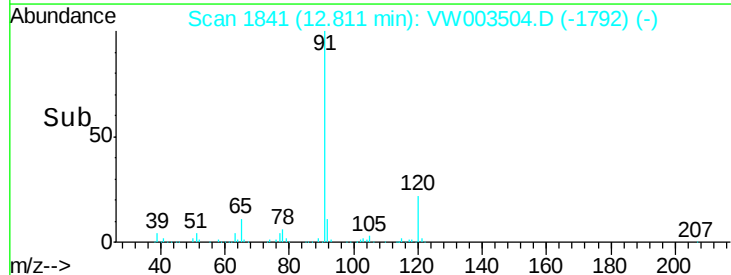
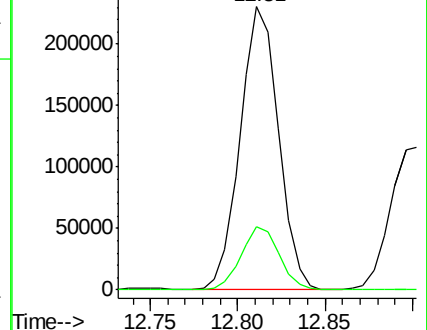
91 100

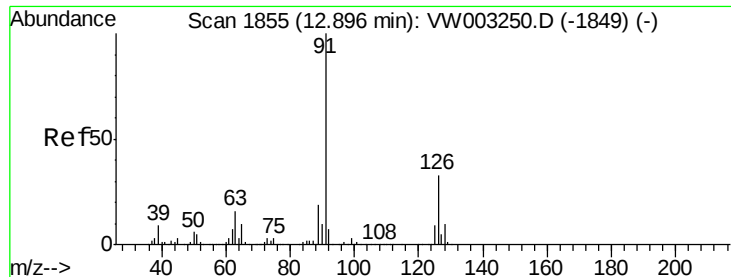
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.804 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

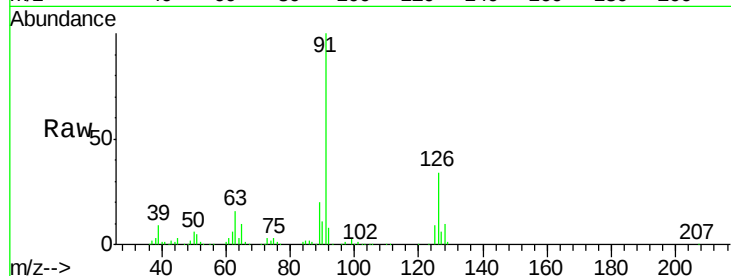
VW0624SBS01

Tgt Ion: 91 Resp: 193776

Ion Ratio Lower Upper

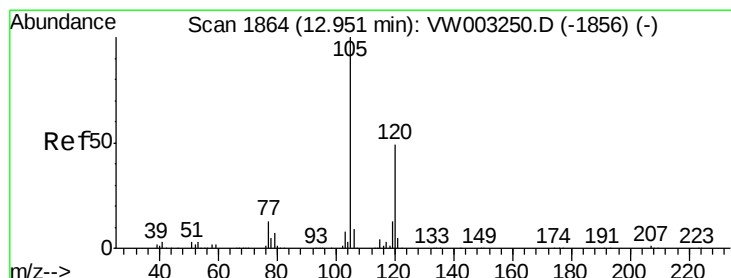
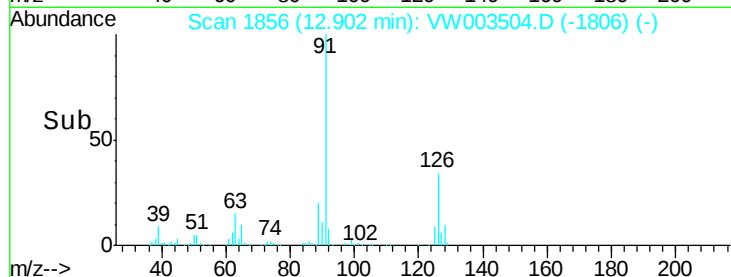
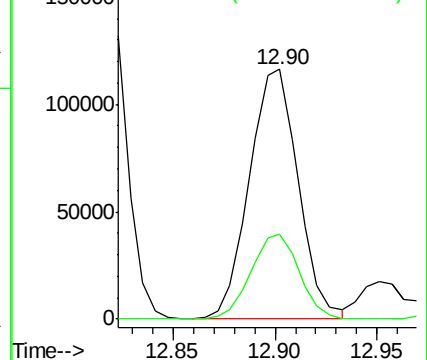
91 100

126 33.5 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: 21.109 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003504.D

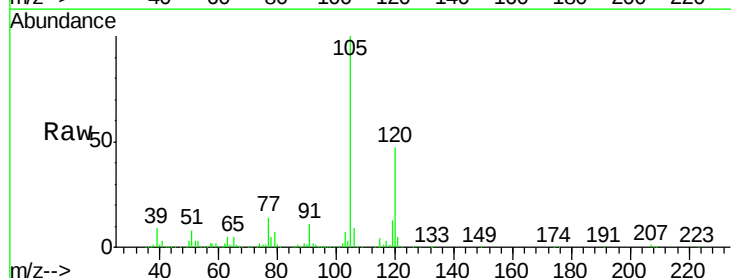
Acq: 24 Jun 2018 12:28

Tgt Ion: 105 Resp: 238492

Ion Ratio Lower Upper

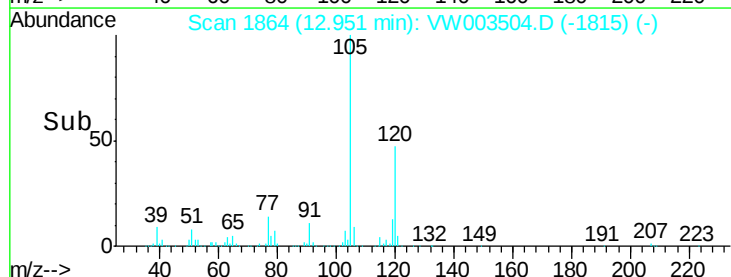
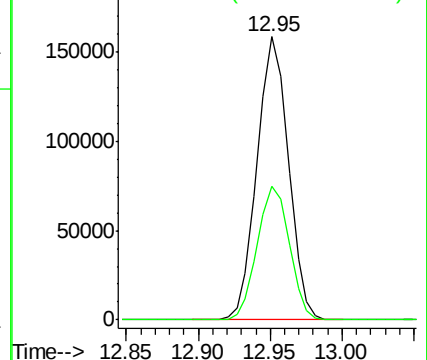
105 100

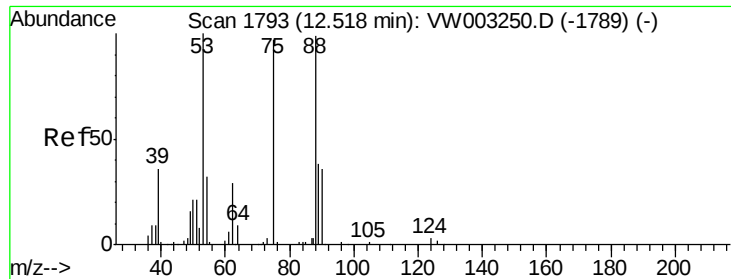
120 48.4 24.3 72.9



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: 18.182 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

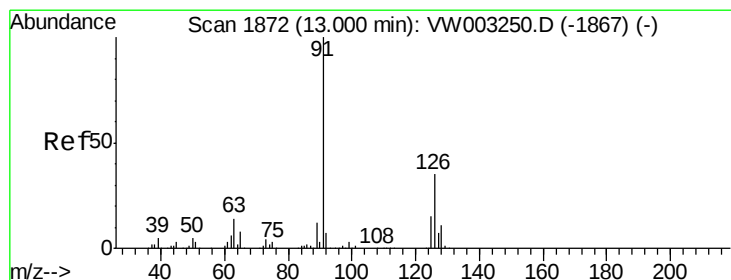
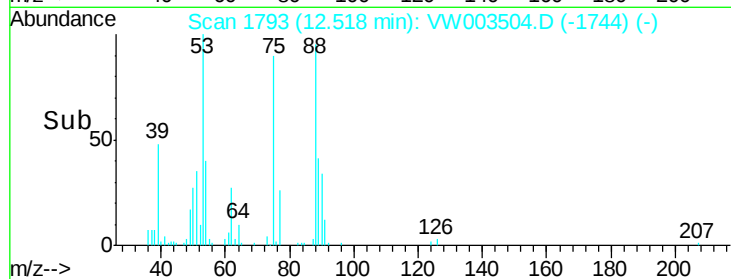
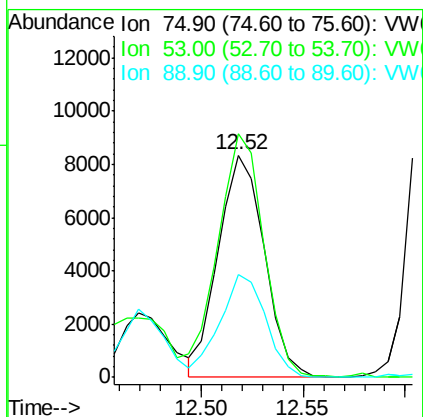
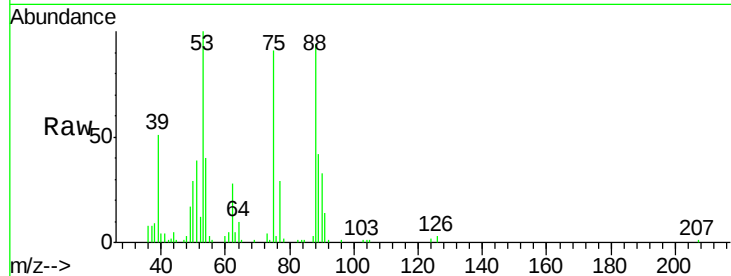
Tgt Ion: 75 Resp: 13072

Ion Ratio Lower Upper

75 100

53 110.6 82.9 124.3

89 45.8 36.7 55.1



#82

4-Chlorotoluene

Concen: 20.938 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003504.D

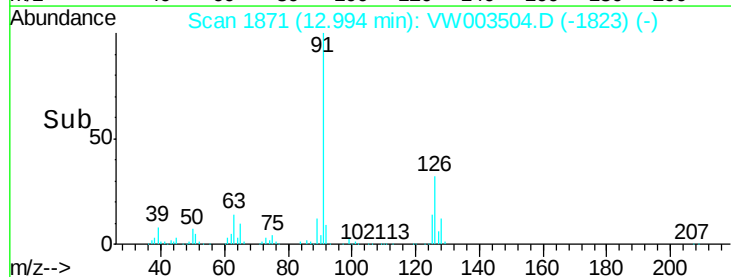
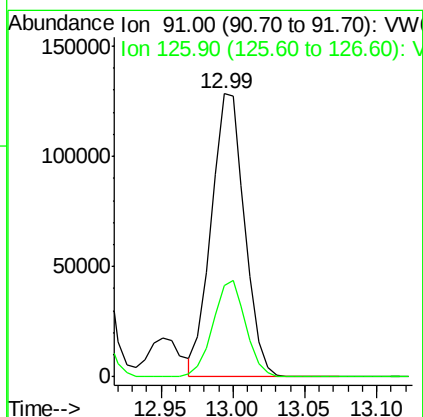
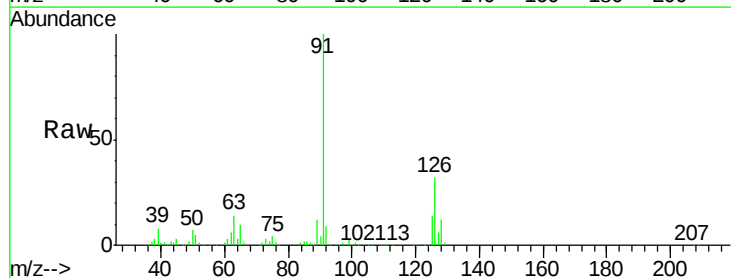
Acq: 24 Jun 2018 12:28

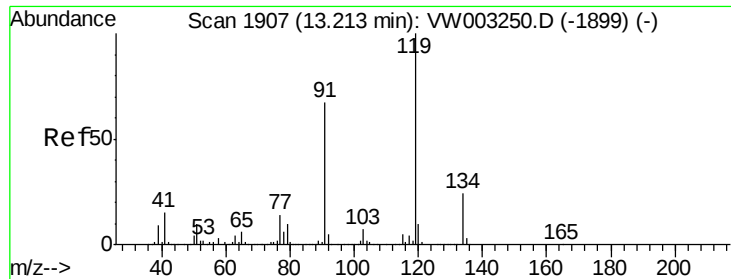
Tgt Ion: 91 Resp: 206886

Ion Ratio Lower Upper

91 100

126 33.7 16.8 50.3

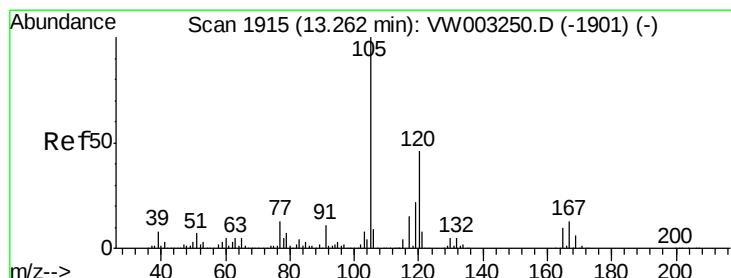
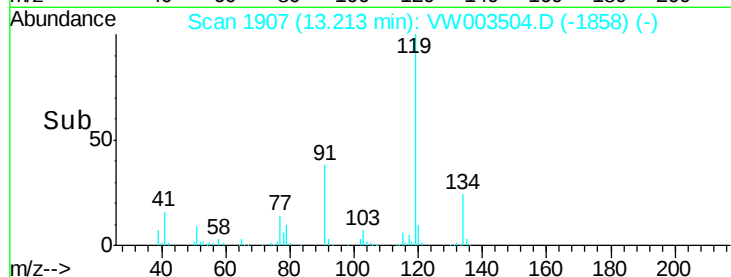
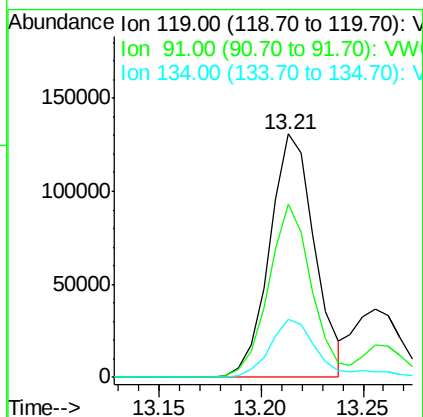
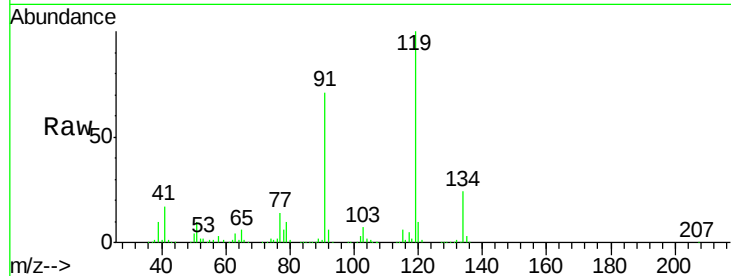




#83
 tert-Butylbenzene
 Concen: 20.931 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

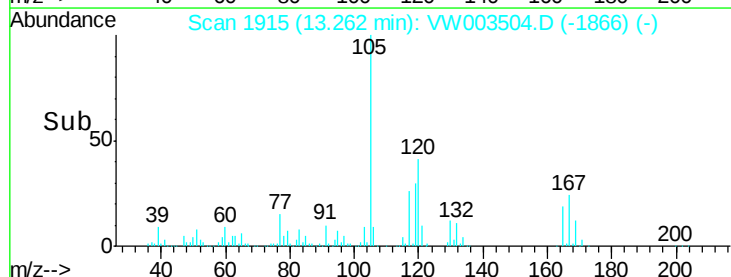
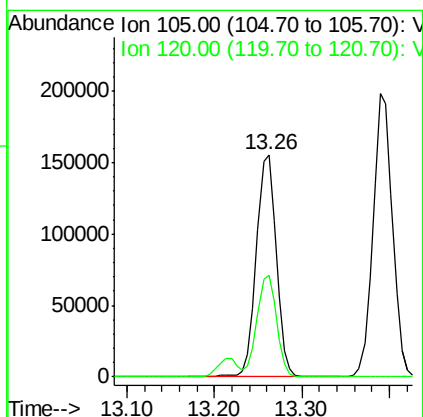
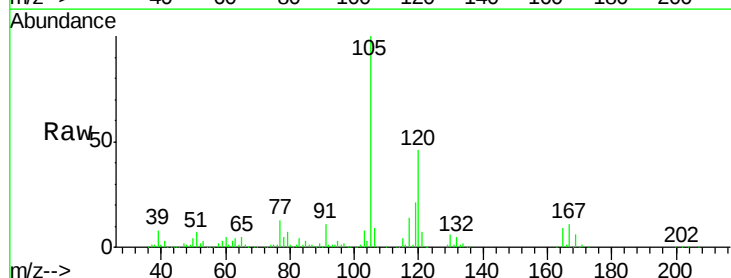
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

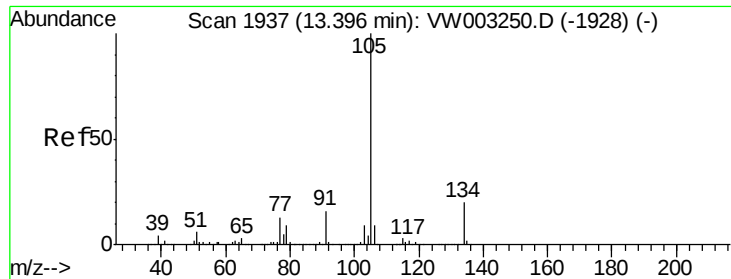
Tgt Ion:119 Resp: 201534
 Ion Ratio Lower Upper
 119 100
 91 68.5 33.9 101.7
 134 26.1 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.216 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion:105 Resp: 246577
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.5 67.5

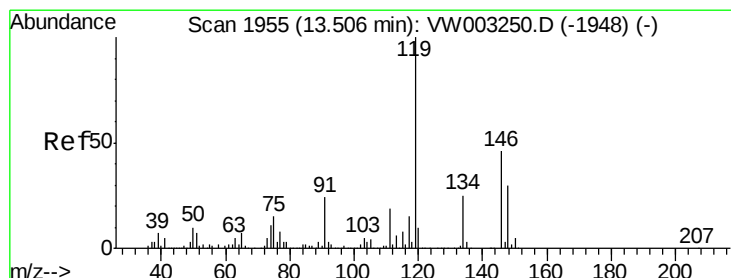
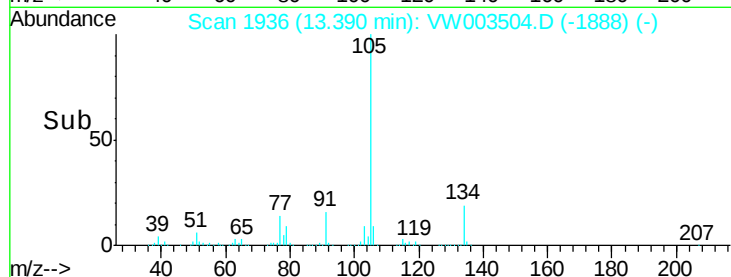
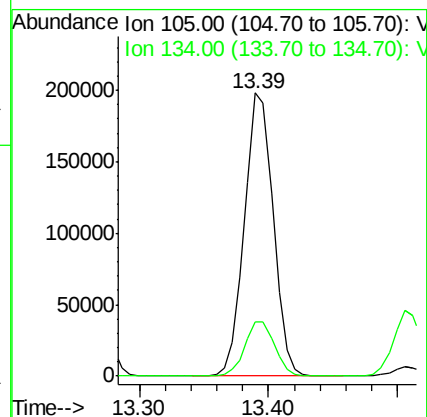
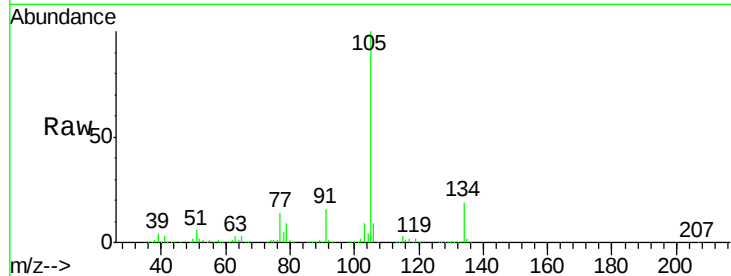




#85
 sec-Butylbenzene
 Concen: 21.358 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

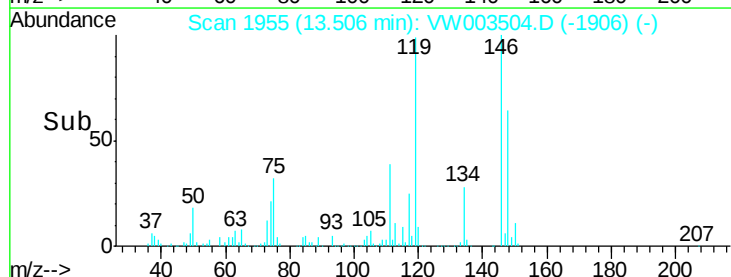
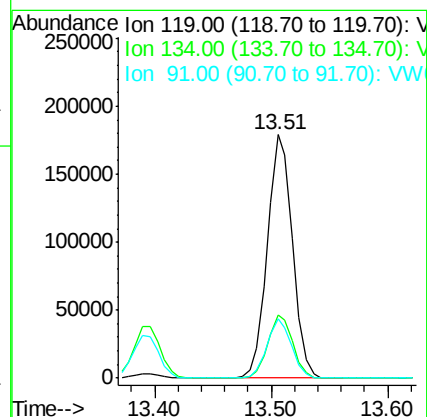
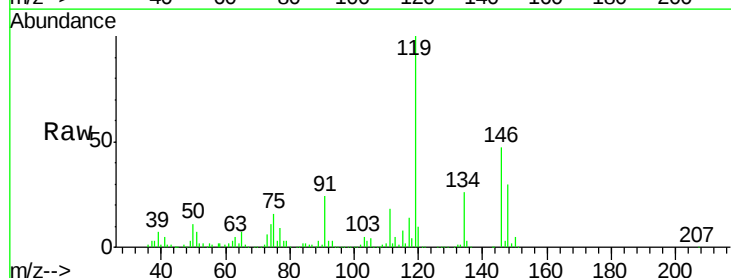
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

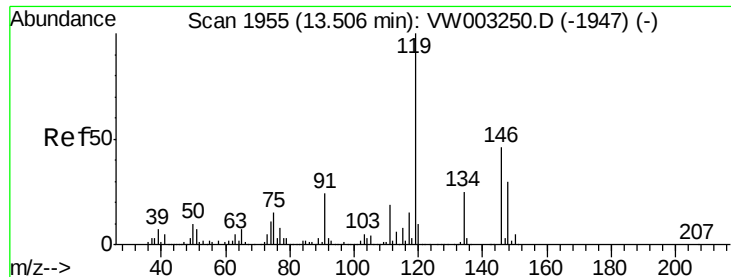
Tgt Ion:105 Resp: 305677
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.254 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion:119 Resp: 268287
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 23.8 11.8 35.3

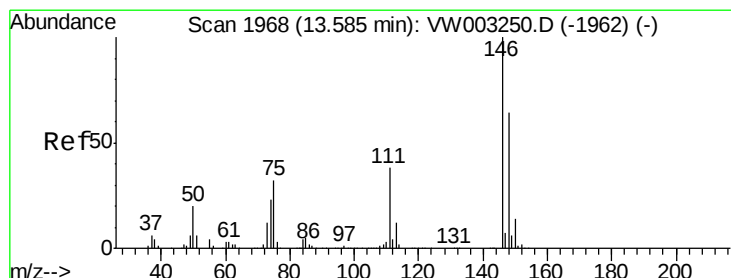
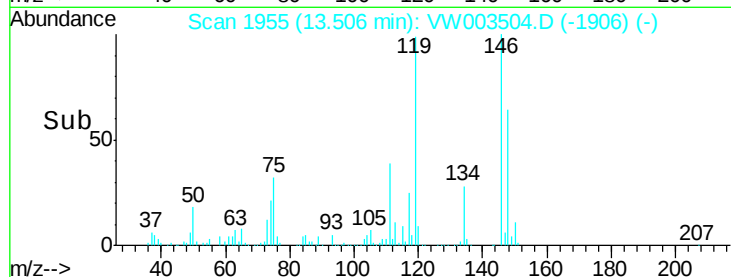
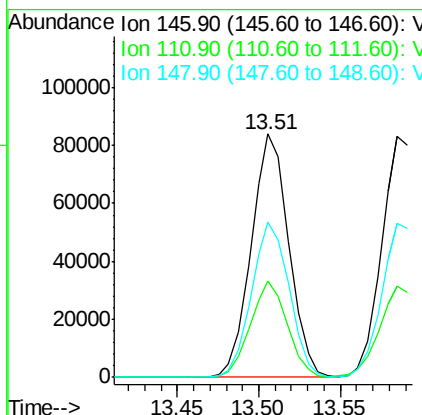
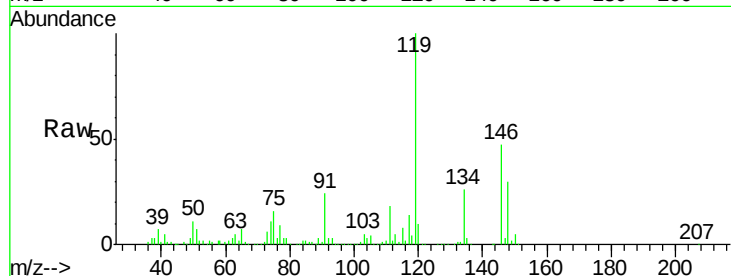




#87
 1,3-Dichlorobenzene
 Concen: 20.813 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

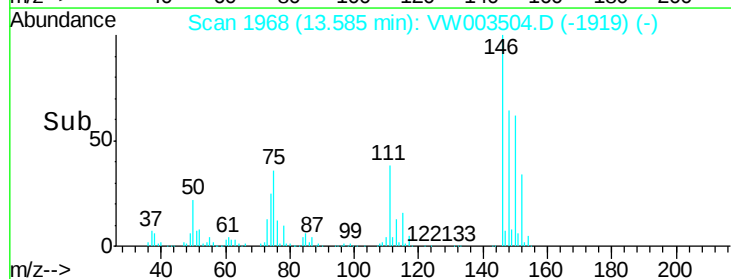
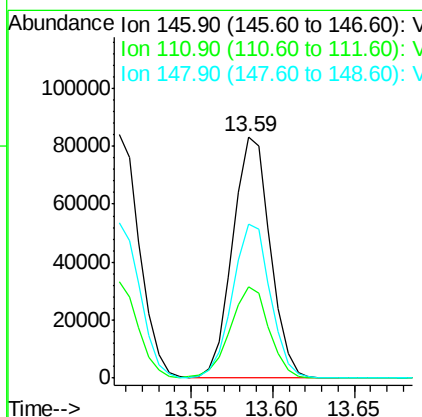
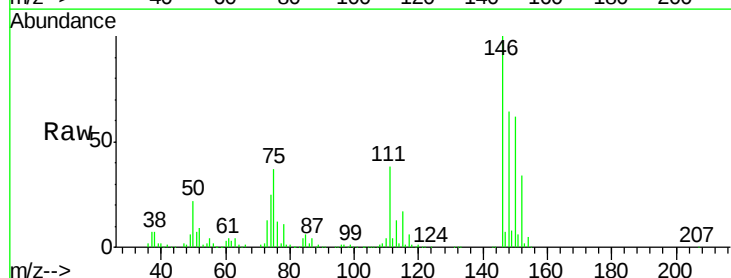
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Tgt Ion:146 Resp: 134029
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.8 59.4
 148 63.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.879 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion:146 Resp: 133668
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.2 57.6
 148 64.2 31.8 95.4





#89

n-Butylbenzene

Concen: 21.453 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

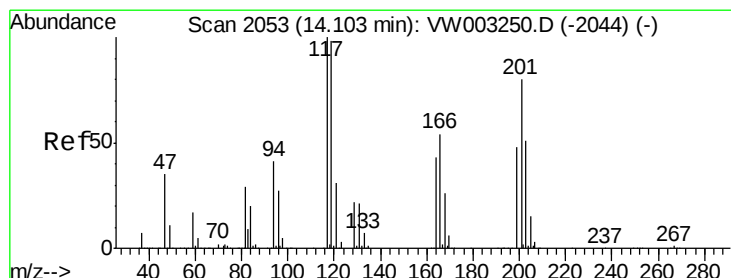
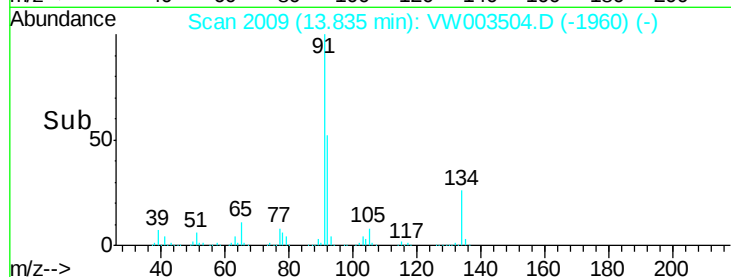
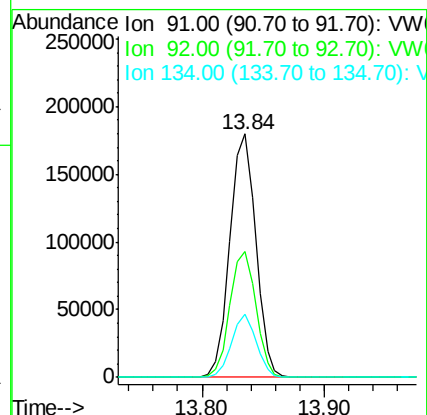
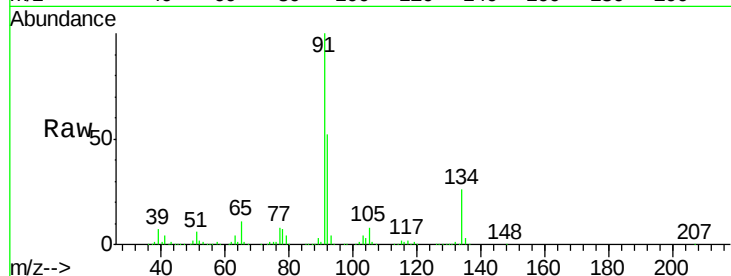
Tgt Ion: 91 Resp: 263972

Ion Ratio Lower Upper

91 100

92 52.1 26.0 78.0

134 24.7 12.7 38.0



#90

Hexachloroethane

Concen: 20.610 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003504.D

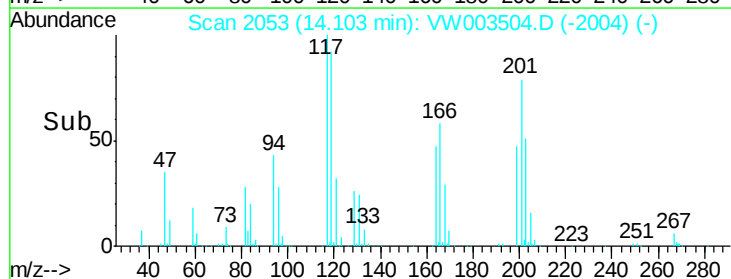
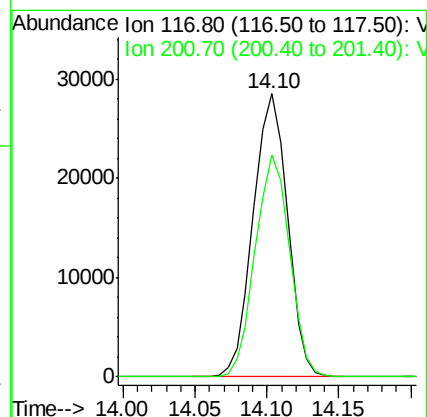
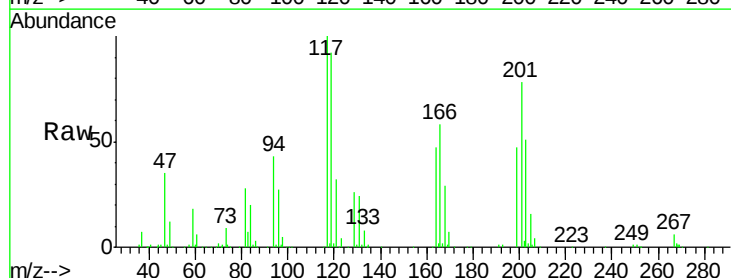
Acq: 24 Jun 2018 12:28

Tgt Ion: 117 Resp: 47062

Ion Ratio Lower Upper

117 100

201 78.3 39.5 118.5

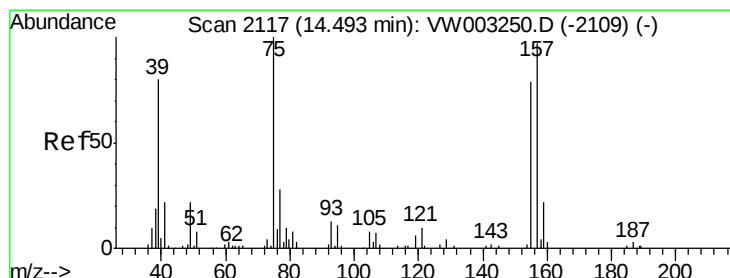
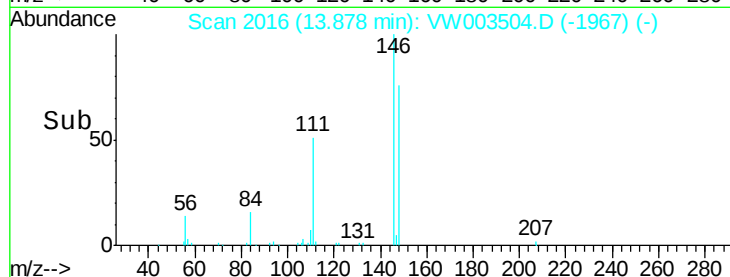
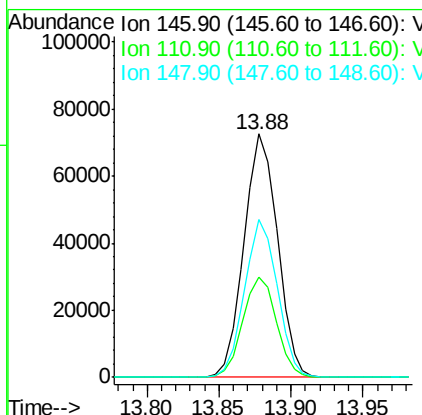
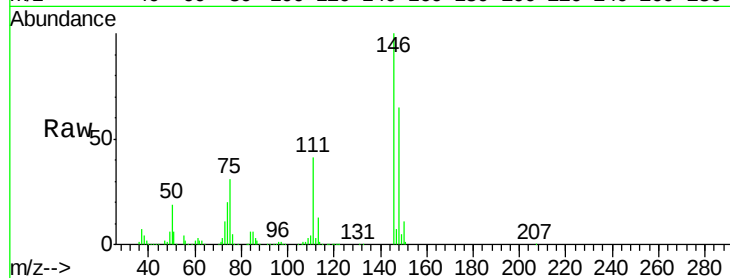




#91
 1,2-Dichlorobenzene
 Concen: 20.725 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

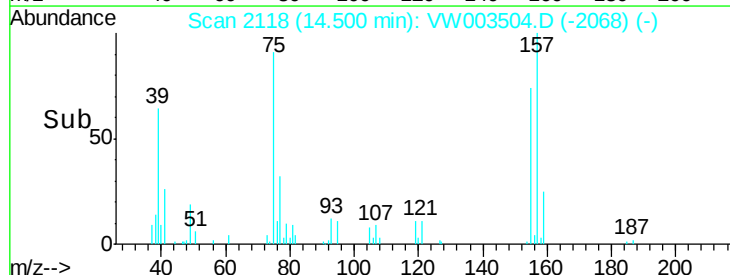
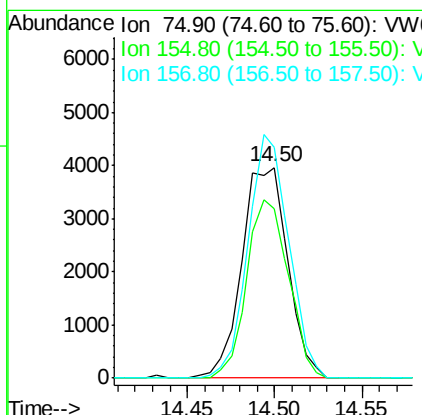
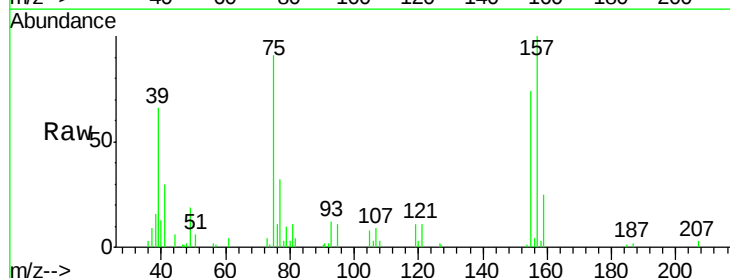
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

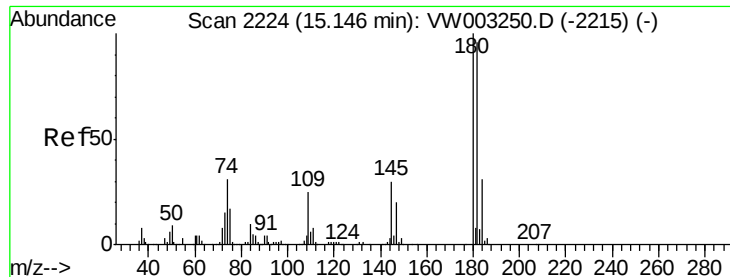
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	63.5	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.929 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	39.4	118.2
157	102.3	51.5	154.5

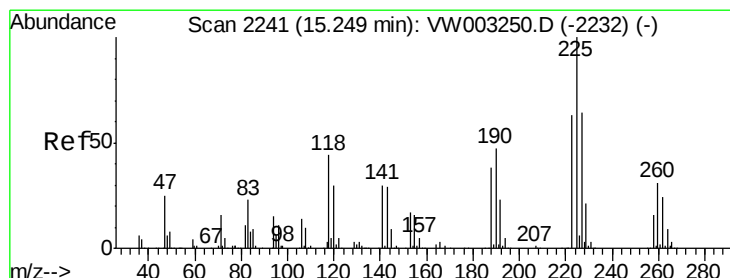
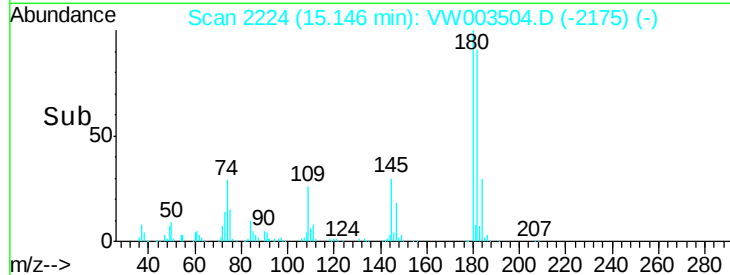
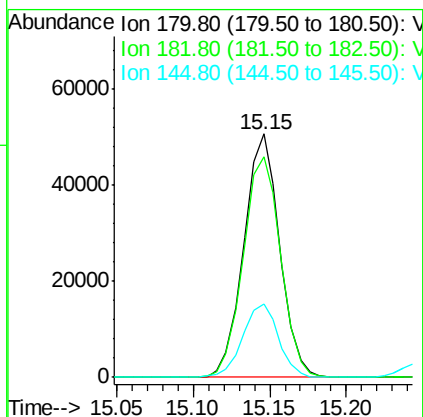
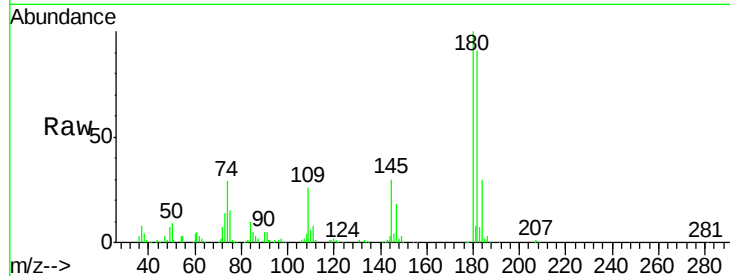




#93
 1,2,4-Trichlorobenzene
 Concen: 20.753 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

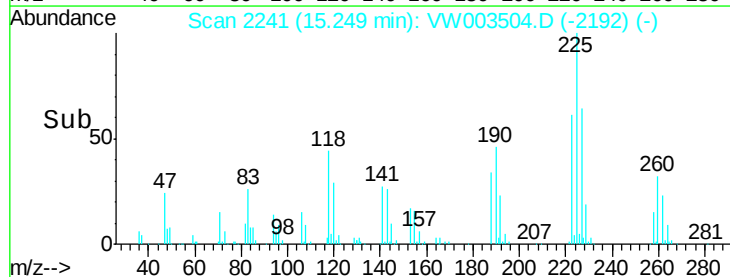
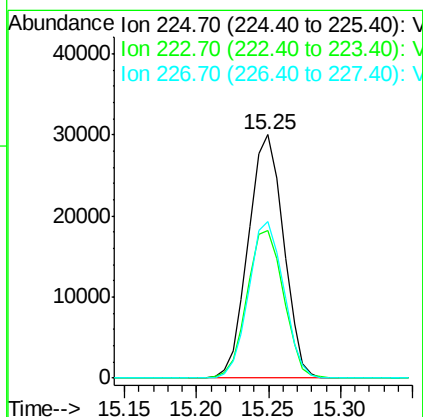
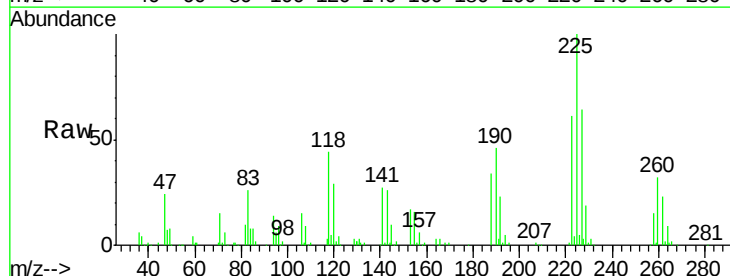
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

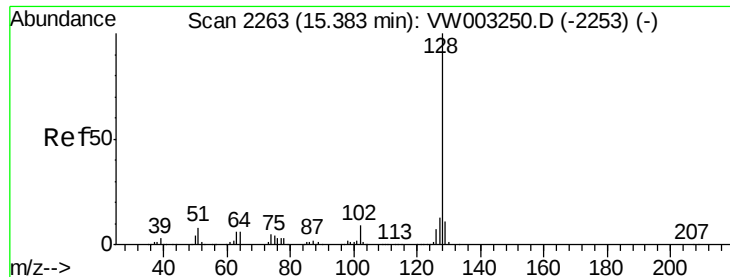
Tgt Ion:180 Resp: 82182
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.9 143.6
 145 30.3 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 21.359 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion:225 Resp: 50878
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.6 92.0
 227 63.9 31.7 95.1





#95

Naphthalene

Concen: 19.116 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

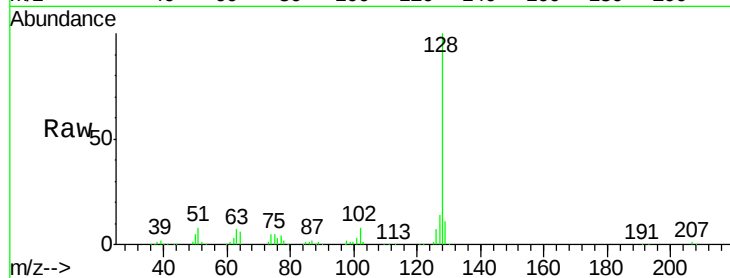
Tgt Ion:128 Resp: 128411

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

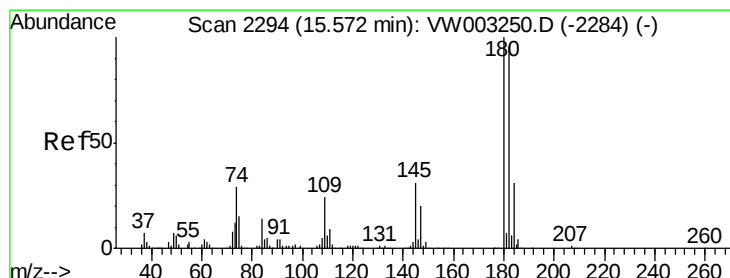
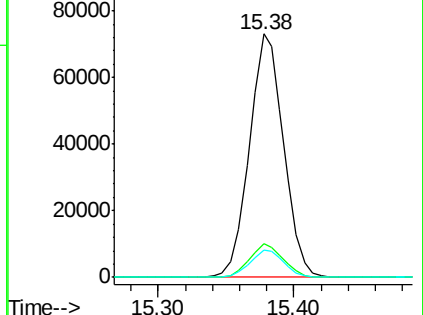
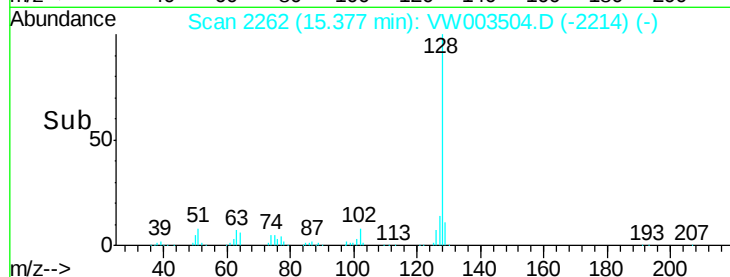
129 11.0 8.9 13.3



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: 20.194 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

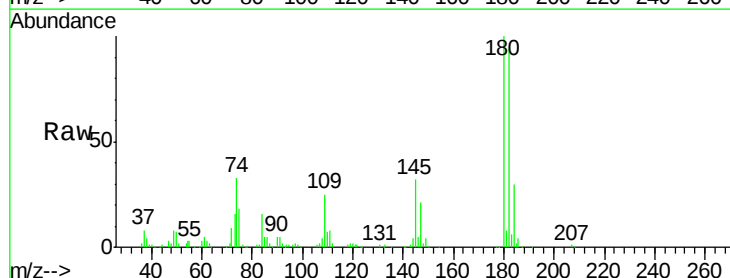
Tgt Ion:180 Resp: 70390

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.6

145 31.9 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

