

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003483.D
 Acq On : 24 Jun 2018 02:47
 Operator : SY/AP
 Sample : J3670-03MSD
 Misc : 5.80G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

Quant Time: Jun 25 02:44:09 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	180834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	290868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143119	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	121968	62.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.54%	
35) Dibromofluoromethane	7.88	113	97774	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
50) Toluene-d8	10.33	98	382507	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.62	95	139534	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	39353	71.982	ug/l	87
3) Chloromethane	2.21	50	68466	49.566	ug/l	92
4) Vinyl Chloride	2.36	62	106298	52.788	ug/l	97
5) Bromomethane	2.78	94	60962	45.549	ug/l	100
6) Chloroethane	2.92	64	63930	45.610	ug/l	99
7) Trichlorofluoromethane	3.25	101	64188	53.209	ug/l	97
8) Diethyl Ether	3.68	74	53913	60.837	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89219	53.261	ug/l	99
10) Methyl Iodide	4.26	142	129832	51.249	ug/l	100
11) Tert butyl alcohol	5.23	59	48528	461.963	ug/l #	95
12) 1,1-Dichloroethene	4.03	96	85612	52.299	ug/l	96
13) Acrolein	3.89	56	25974	172.941	ug/l	93
14) Allyl chloride	4.67	41	157399	55.509	ug/l	96
15) Acrylonitrile	5.38	53	153590	421.249	ug/l	100
16) Acetone	4.14	43	190864	464.615	ug/l	98
17) Carbon Disulfide	4.37	76	247509	51.143	ug/l	98
18) Methyl Acetate	4.68	43	190652	195.632	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	205798	67.122	ug/l	100
20) Methylene Chloride	4.91	84	103100	59.801	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	98876	55.499	ug/l	98
22) Diisopropyl ether	6.31	45	319147	55.924	ug/l	99
23) Vinyl Acetate	6.26	43	374055	113.742	ug/l	98
24) 1,1-Dichloroethane	6.21	63	184909	54.580	ug/l	98
25) 2-Butanone	7.18	43	228868	448.040	ug/l	100
26) 2,2-Dichloropropane	7.17	77	109797	48.561	ug/l	90
27) cis-1,2-Dichloroethene	7.17	96	228092	116.545	ug/l	97
28) Bromochloromethane	7.51	49	91750	65.080	ug/l	97
29) Tetrahydrofuran	7.54	42	139757	447.659	ug/l	99
30) Chloroform	7.68	83	188375	54.577	ug/l	99
31) Cyclohexane	7.96	56	163729	51.730	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	152316	53.464	ug/l	100
36) 1,1-Dichloropropene	8.09	75	147187	52.398	ug/l	100
37) Ethyl Acetate	7.26	43	72627	62.410	ug/l	99
38) Carbon Tetrachloride	8.07	117	143191	51.968	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171972	52.910	ug/l	96
40) Benzene	8.33	78	412652	53.294	ug/l	99
41) Methacrylonitrile	7.49	41	57954	81.155	ug/l	98
42) 1,2-Dichloroethane	8.40	62	143143	59.006	ug/l	99
43) Isopropyl Acetate	8.43	43	153848	66.581	ug/l	99
44) Trichloroethene	9.10	130	108683	52.972	ug/l	98
45) 1,2-Dichloropropane	9.37	63	107817	54.689	ug/l	99
46) Dibromomethane	9.46	93	62777	62.196	ug/l	98
47) Bromodichloromethane	9.65	83	142096	54.922	ug/l	99
48) Methyl methacrylate	9.44	41	86766	79.901	ug/l	97
49) 1,4-Dioxane	9.48	88	25880	1698.172	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	489156	415.445	ug/l	99
52) Toluene	10.39	92	261915	52.750	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	154927	58.621	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	164472	54.678	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	89900	63.207	ug/l	97
56) Ethyl methacrylate	10.65	69	119474	69.175	ug/l	97
57) 1,3-Dichloropropane	10.94	76	156337	63.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	270750	349.696	ug/l	99
59) 2-Hexanone	10.98	43	363888	442.397	ug/l	100
60) Dibromochloromethane	11.13	129	101313	59.898	ug/l	99
61) 1,2-Dibromoethane	11.24	107	88607	65.861	ug/l	100
64) Tetrachloroethene	10.87	164	128185	70.217	ug/l	99
65) Chlorobenzene	11.66	112	1712780	301.348	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	103823	51.980	ug/l	99
67) Ethyl Benzene	11.74	91	516119	51.227	ug/l	99
68) m/p-Xylenes	11.85	106	387336	101.134	ug/l	100
69) o-Xylene	12.17	106	184147	51.880	ug/l	100
70) Styrene	12.19	104	310243	52.512	ug/l	100
71) Bromoform	12.35	173	65529	63.303	ug/l #	99
73) Isopropylbenzene	12.47	105	510961	51.330	ug/l	99
74) N-amyl acetate	12.28	43	112155	49.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	119333	70.859	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	157459	128.695	ug/l #	100
77) Bromobenzene	12.76	156	122370	52.784	ug/l	93
78) n-propylbenzene	12.81	91	622893	51.102	ug/l	100
79) 2-Chlorotoluene	12.90	91	353689	51.346	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	427785	51.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36887	69.374	ug/l	99
82) 4-Chlorotoluene	12.99	91	366491	50.154	ug/l	99
83) tert-Butylbenzene	13.21	119	382384	53.700	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	435798	50.703	ug/l	99
85) sec-Butylbenzene	13.39	105	536971	50.733	ug/l	99
86) p-Isopropyltoluene	13.51	119	465591	49.874	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	250303	52.557	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	263307	55.613	ug/l	99
89) n-Butylbenzene	13.83	91	441794	48.550	ug/l	100
90) Hexachloroethane	14.10	117	83060	49.184	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	280450	67.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22767	80.333	ug/l	98

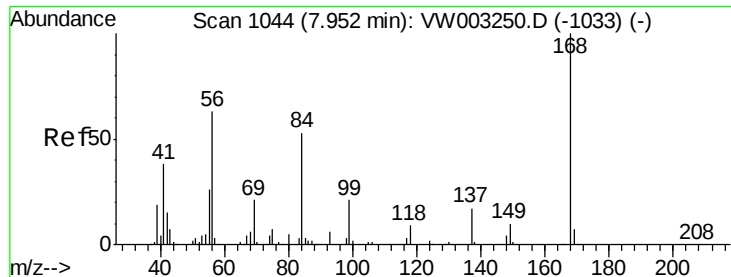
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	148486	50.701	ug/l	99
94) Hexachlorobutadiene	15.25	225	75611	42.920	ug/l	100
95) Naphthalene	15.38	128	359114	72.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	138726	53.815	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

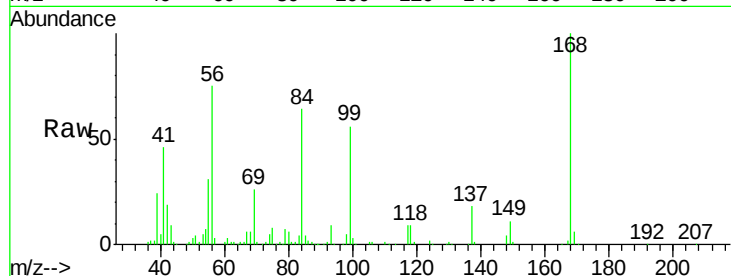
WP021SB487-13-15-180621MSD

Tgt Ion:168 Resp: 180834

Ion Ratio Lower Upper

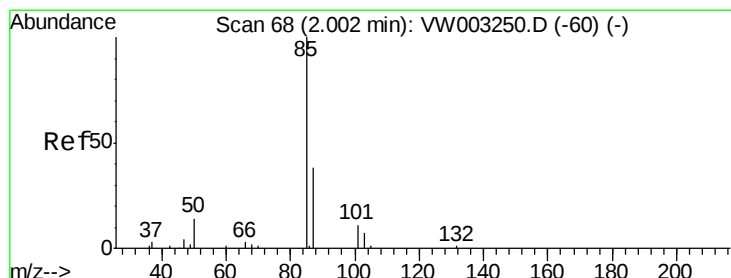
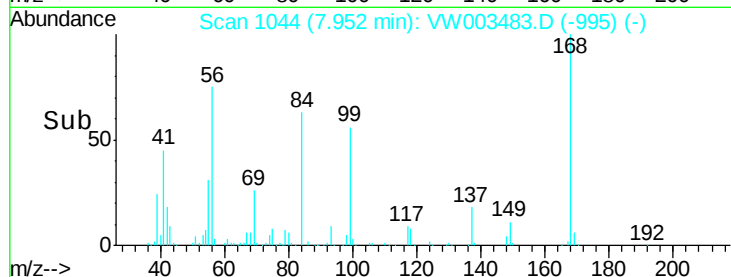
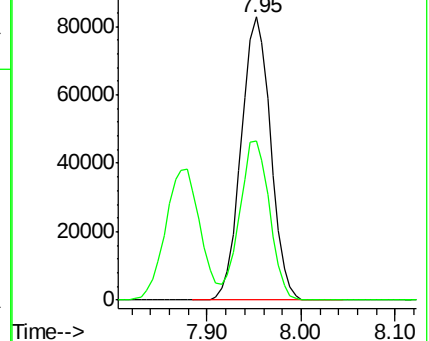
168 100

99 56.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 71.982 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003483.D

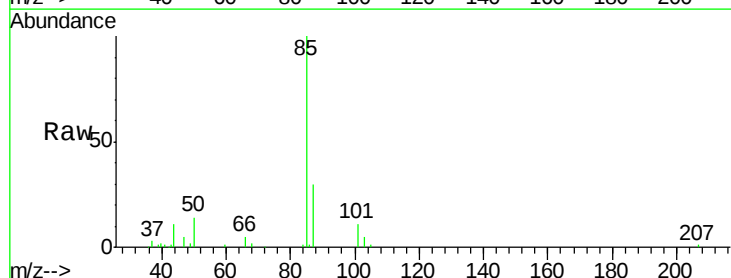
Acq: 24 Jun 2018 02:47

Tgt Ion: 85 Resp: 39353

Ion Ratio Lower Upper

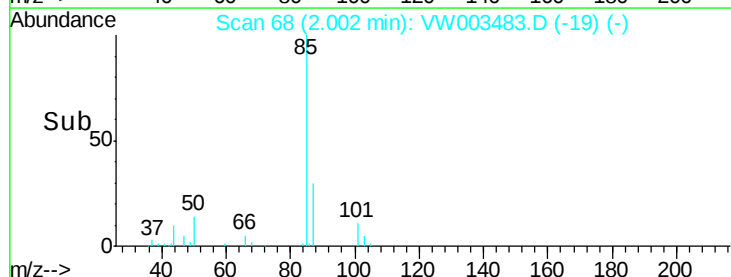
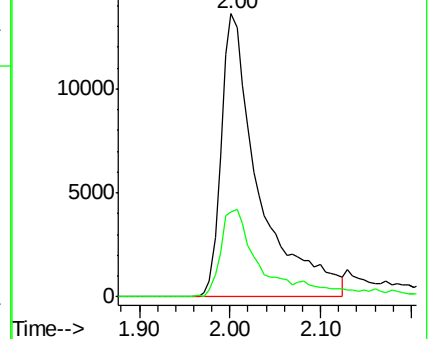
85 100

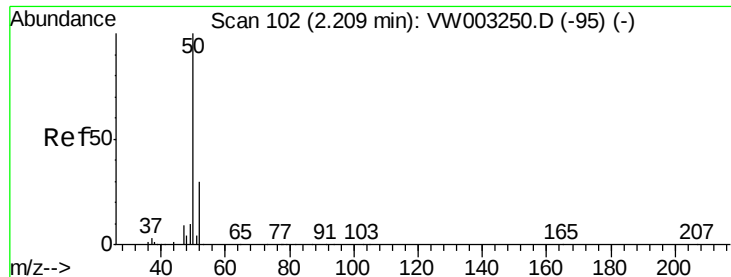
87 30.0 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.566 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

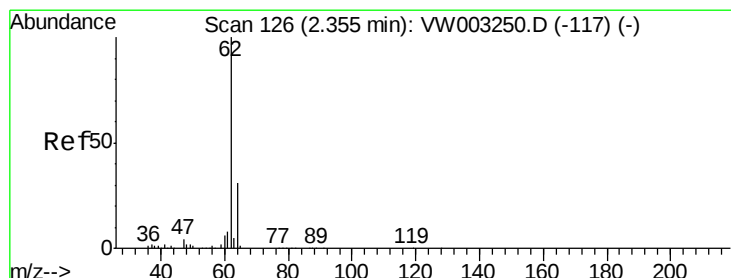
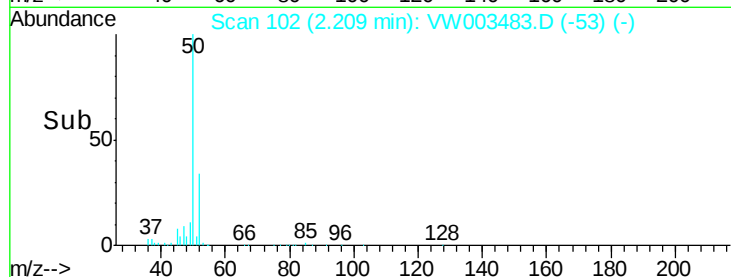
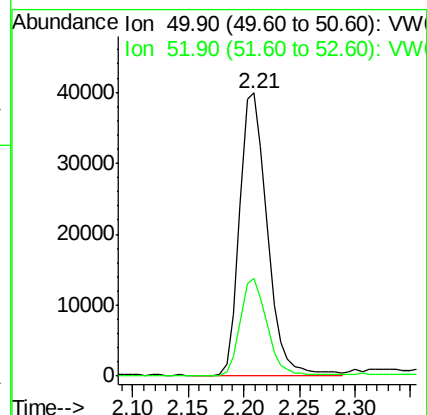
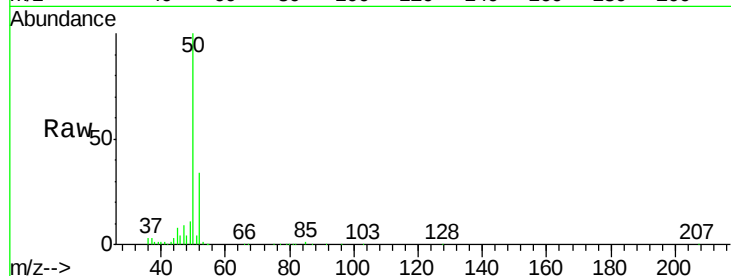
WP021SB487-13-15-180621MSD

Tgt Ion: 50 Resp: 68466

Ion Ratio Lower Upper

50 100

52 34.5 24.2 36.2



#4

Vinyl Chloride

Concen: 52.788 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003483.D

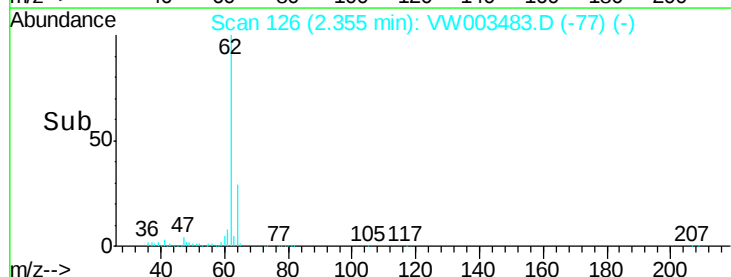
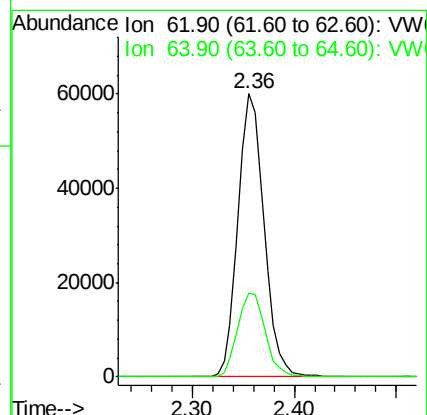
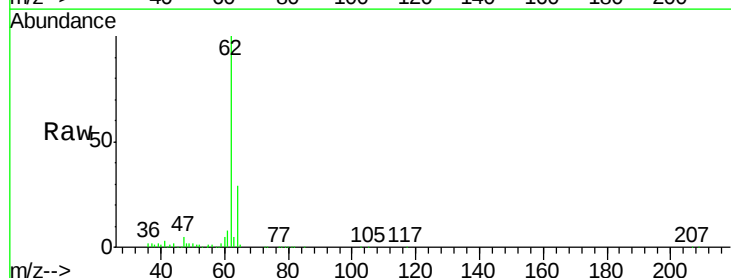
Acq: 24 Jun 2018 02:47

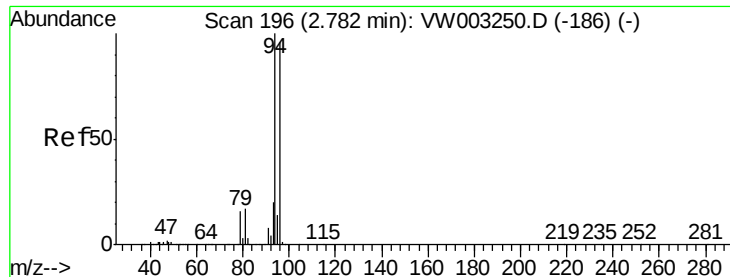
Tgt Ion: 62 Resp: 106298

Ion Ratio Lower Upper

62 100

64 29.4 24.9 37.3





#5

Bromomethane

Concen: 45.549 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

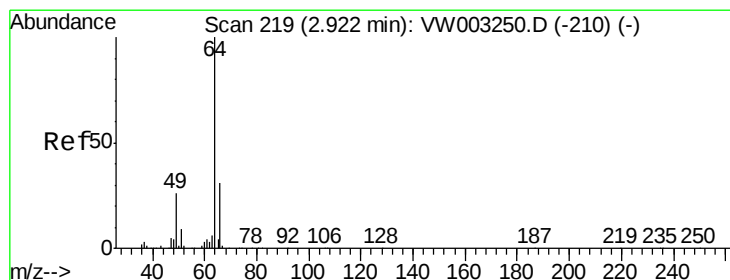
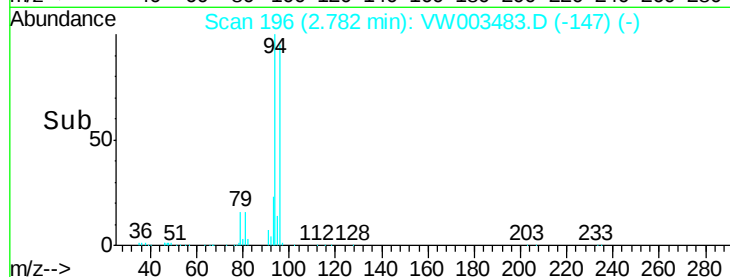
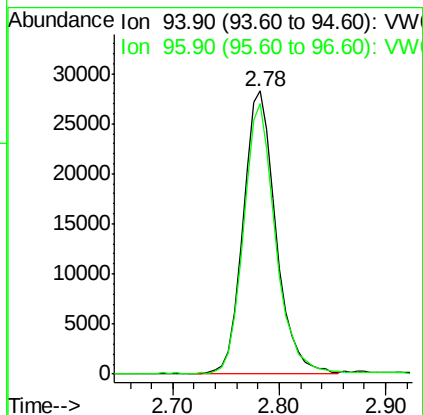
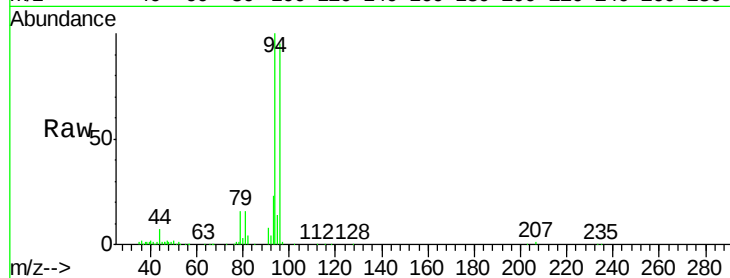
WP021SB487-13-15-180621MSD

Tgt Ion: 94 Resp: 60962

Ion Ratio Lower Upper

94 100

96 95.2 76.5 114.7



#6

Chloroethane

Concen: 45.610 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003483.D

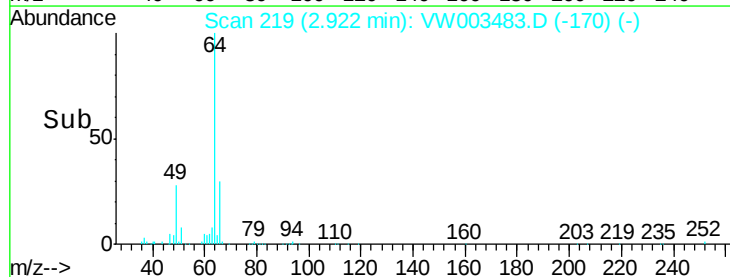
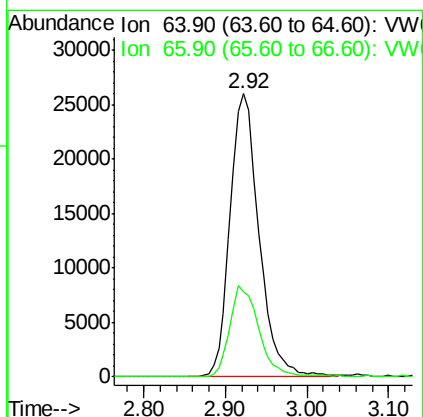
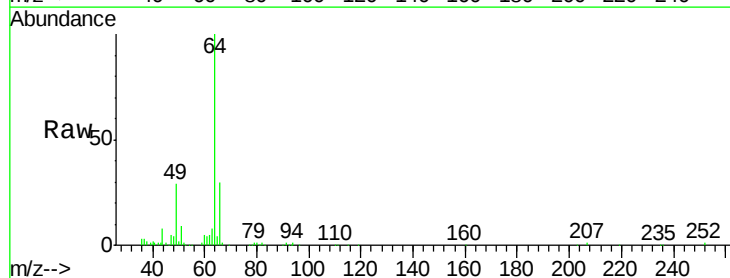
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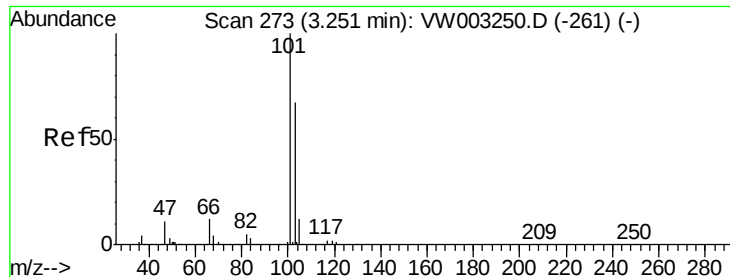
Tgt Ion: 64 Resp: 63930

Ion Ratio Lower Upper

64 100

66 29.8 24.4 36.6



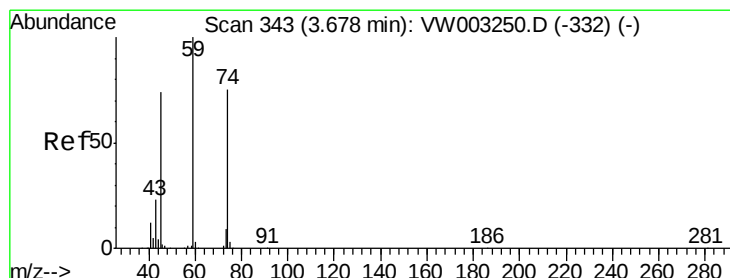
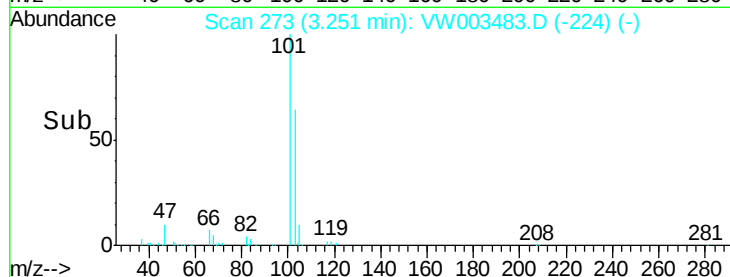
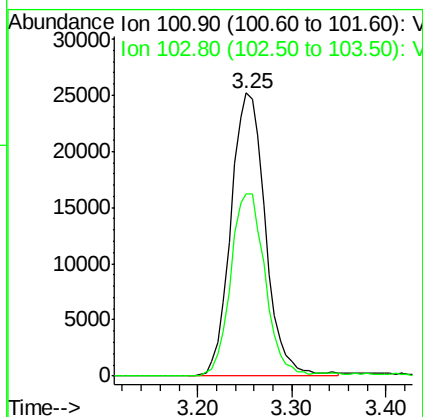
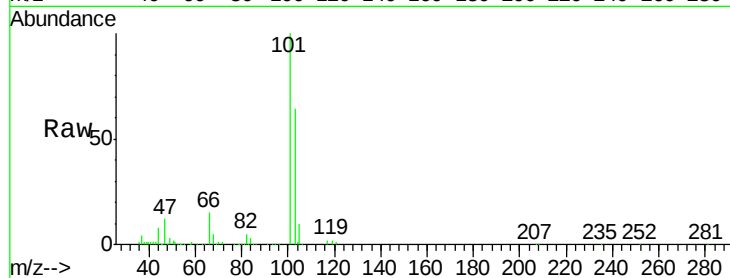


#7

Trichlorofluoromethane
 Concen: 53.209 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW003483.D
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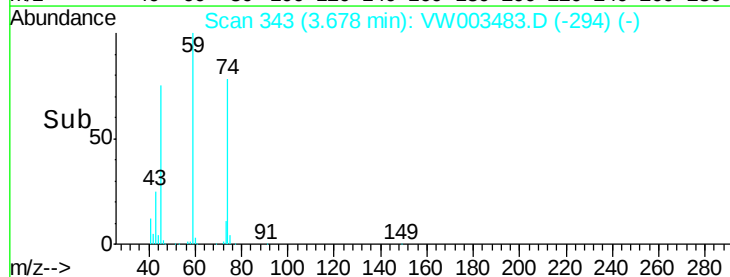
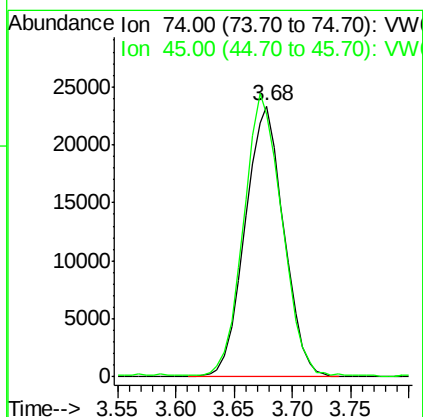
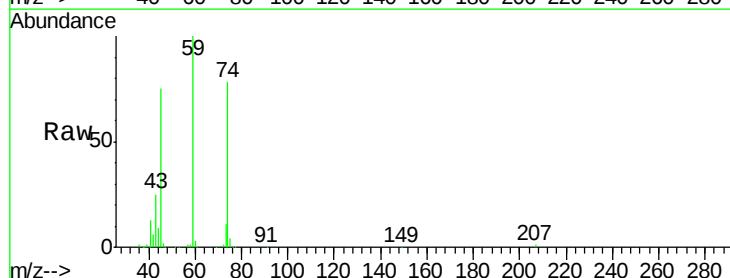
Tgt Ion: 101 Resp: 64188
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.4 80.0

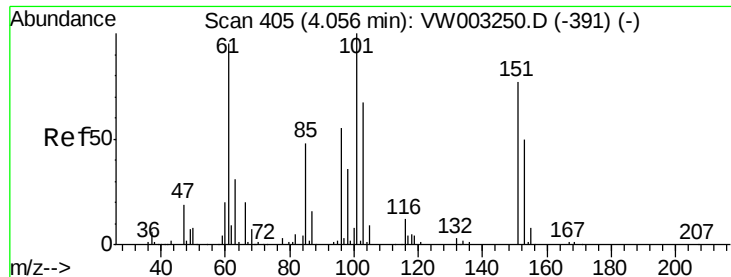


#8

Diethyl Ether
 Concen: 60.837 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion: 74 Resp: 53913
 Ion Ratio Lower Upper
 74 100
 45 103.4 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.261 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

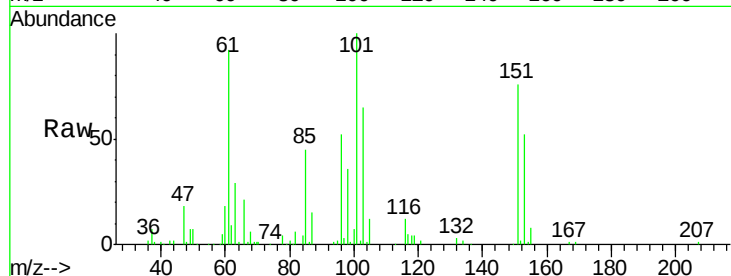
Tgt Ion:101 Resp: 89219

Ion Ratio Lower Upper

101 100

85 46.6 37.0 55.6

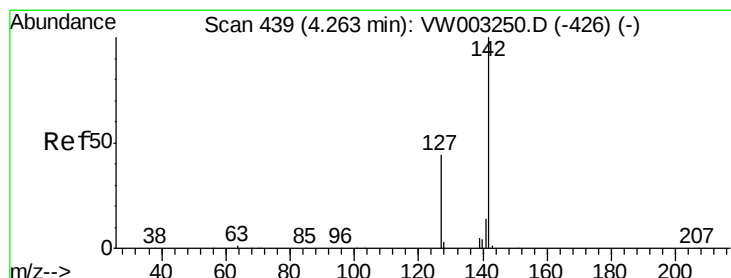
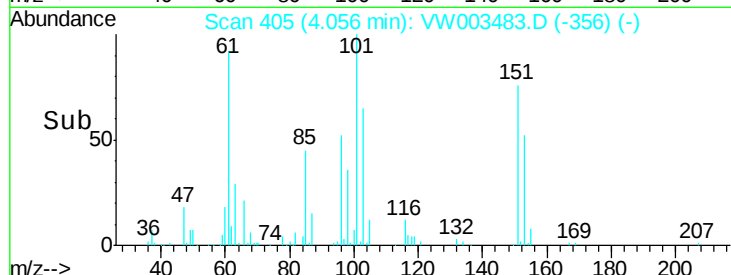
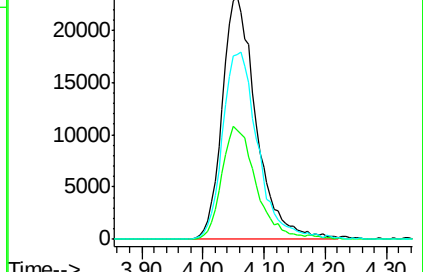
151 79.7 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.249 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

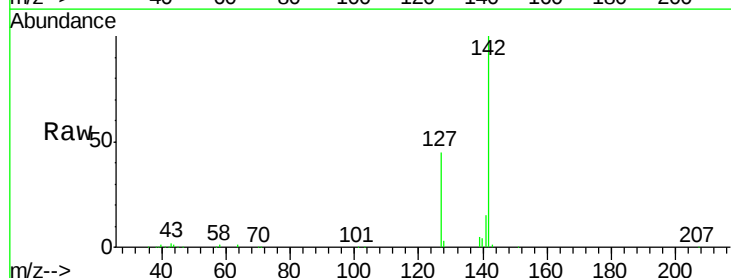
Tgt Ion:142 Resp: 129832

Ion Ratio Lower Upper

142 100

127 45.4 36.5 54.7

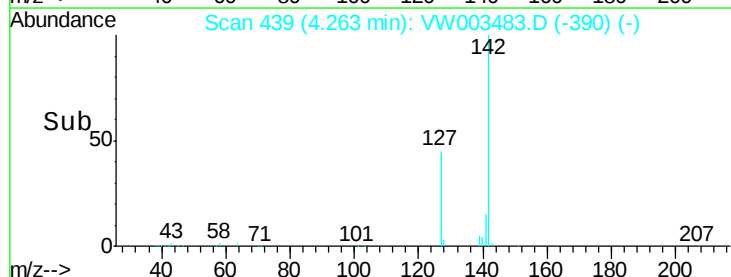
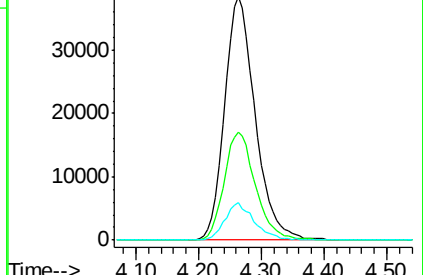
141 14.8 12.1 18.1

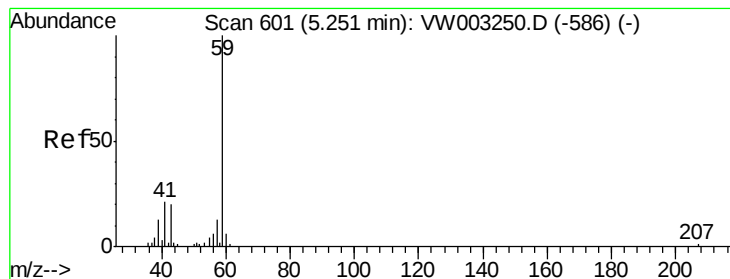


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



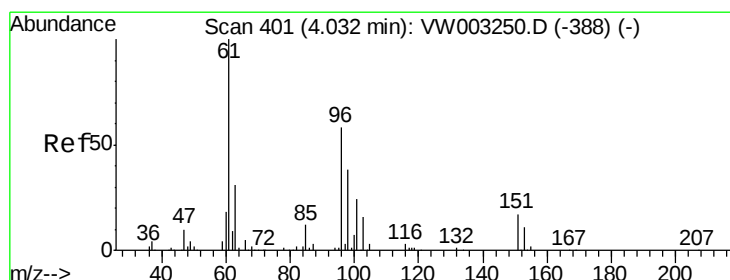
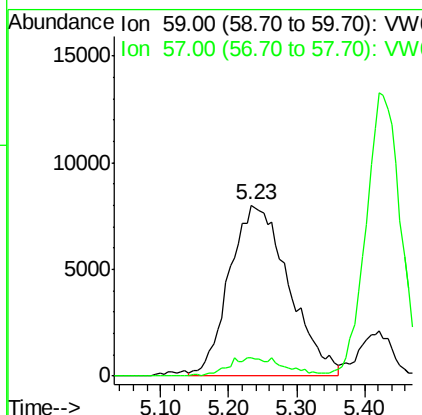
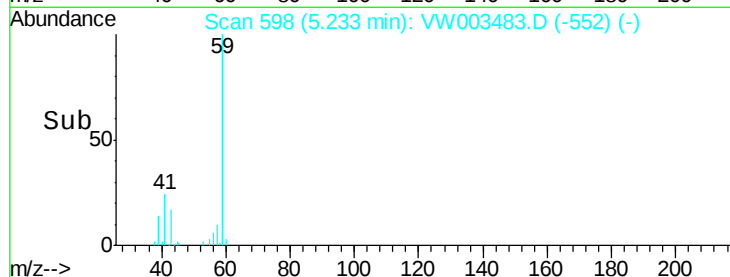
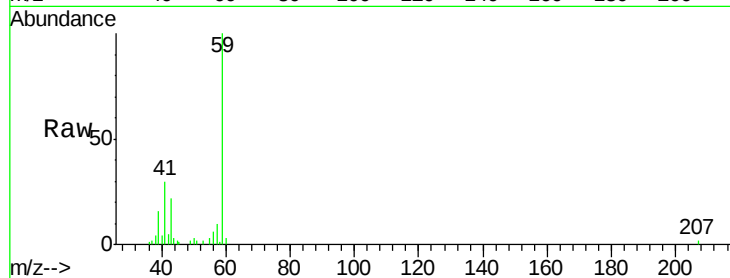


#11

Tert butyl alcohol
Concen: 461.963 ug/l
RT: 5.23 min Scan# 598
Delta R.T. -0.02 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

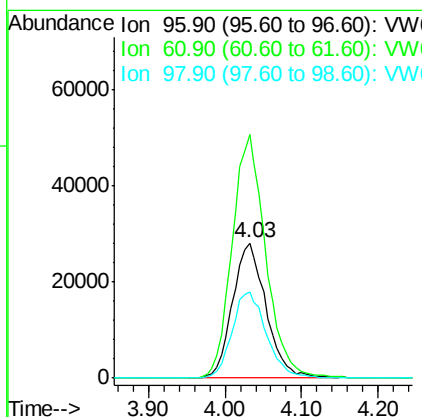
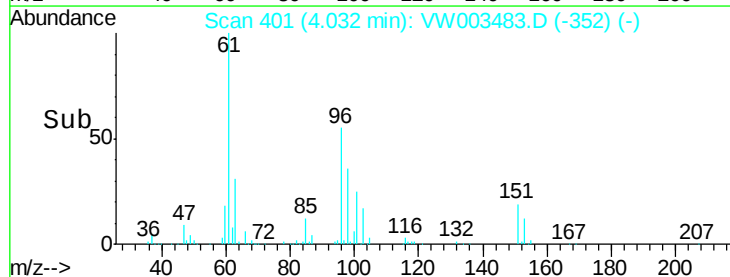
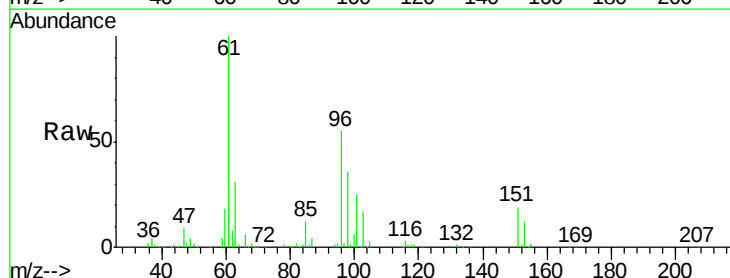
Tgt Ion: 59 Resp: 48528
Ion Ratio Lower Upper
59 100
57 6.7 4.2 6.2#

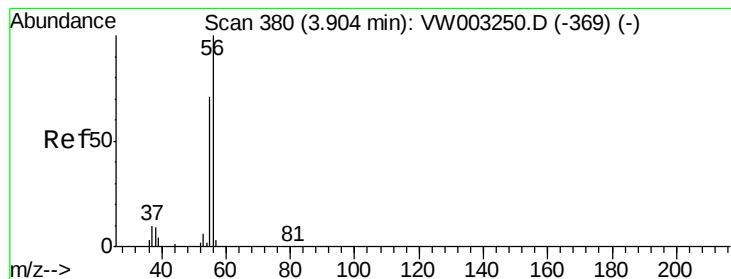


#12

1,1-Dichloroethene
Concen: 52.299 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion: 96 Resp: 85612
Ion Ratio Lower Upper
96 100
61 180.5 139.0 208.4
98 64.1 53.3 79.9





#13

Acrolein

Concen: 172.941 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

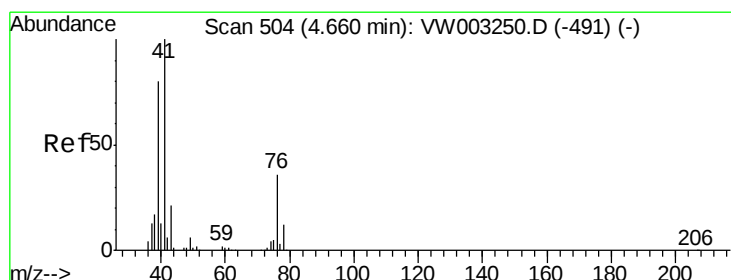
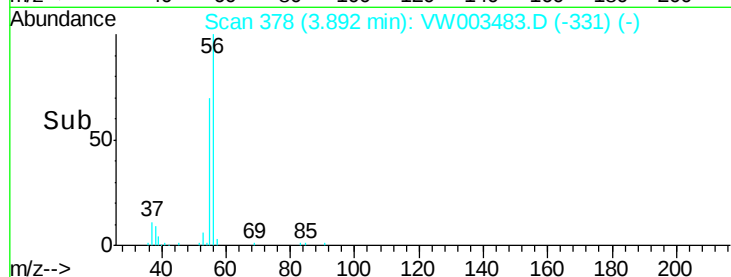
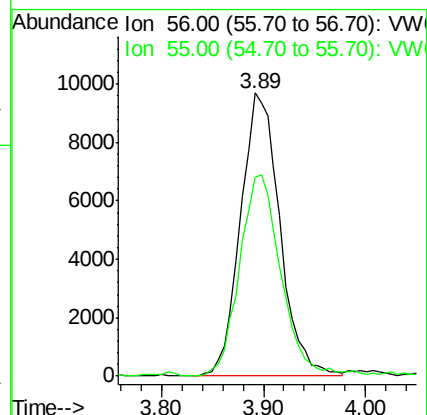
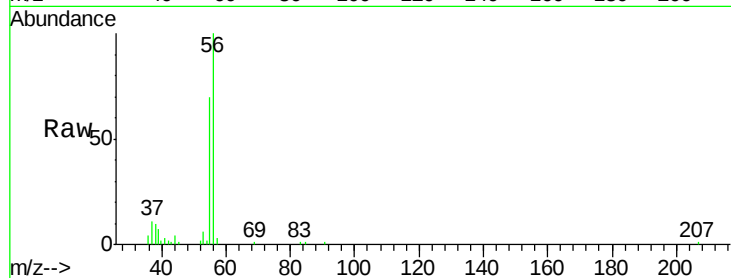
WP021SB487-13-15-180621MSD

Tgt Ion: 56 Resp: 25974

Ion Ratio Lower Upper

56 100

55 75.1 55.4 83.2



#14

Allyl chloride

Concen: 55.509 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

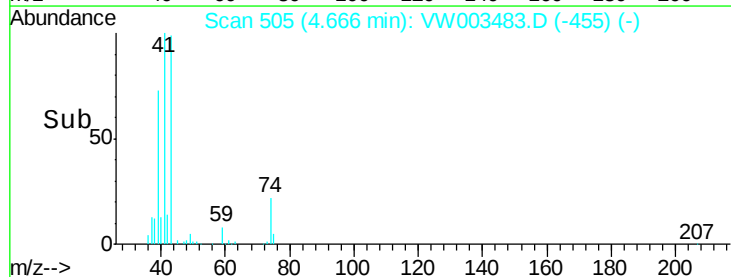
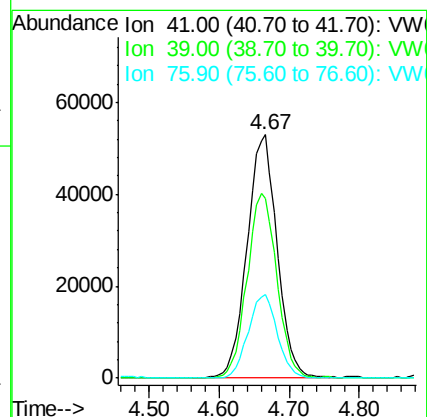
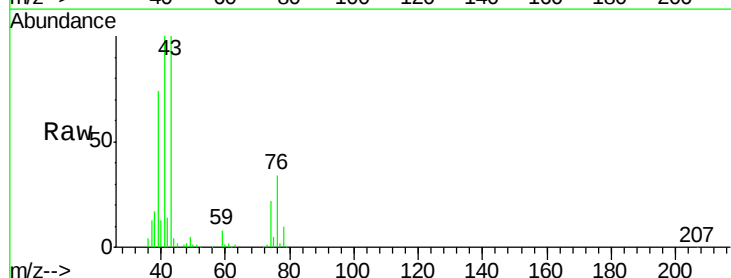
Tgt Ion: 41 Resp: 157399

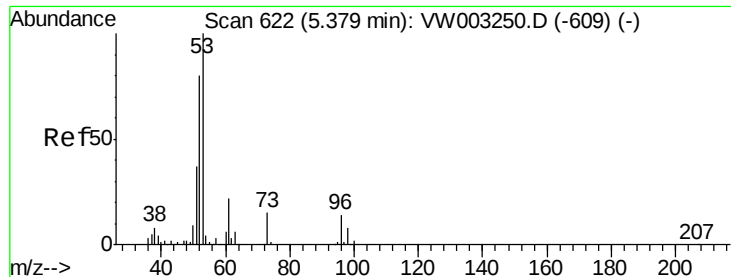
Ion Ratio Lower Upper

41 100

39 75.3 63.2 94.8

76 33.2 28.0 42.0





#15

Acrylonitrile

Concen: 421.249 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

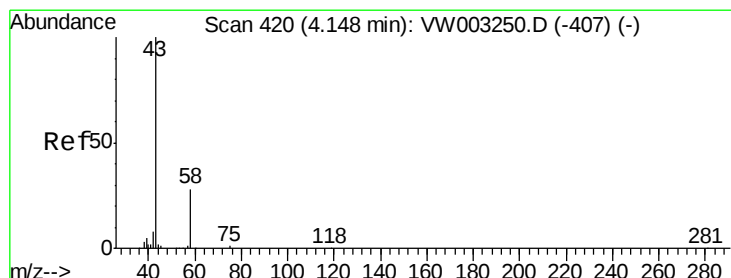
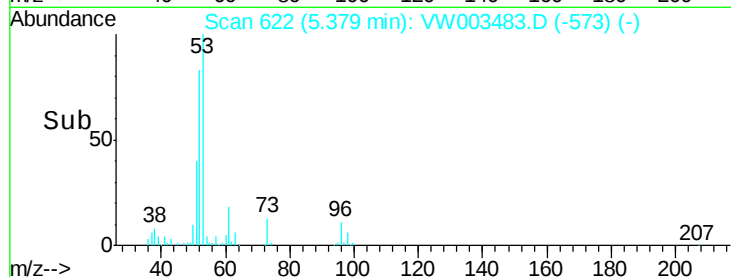
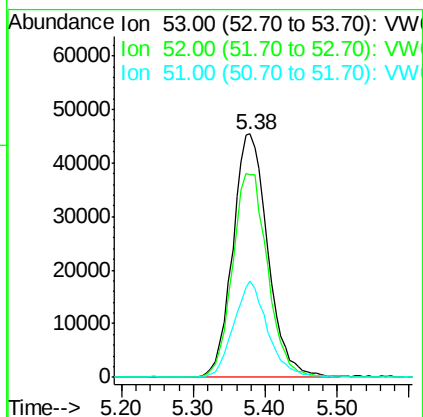
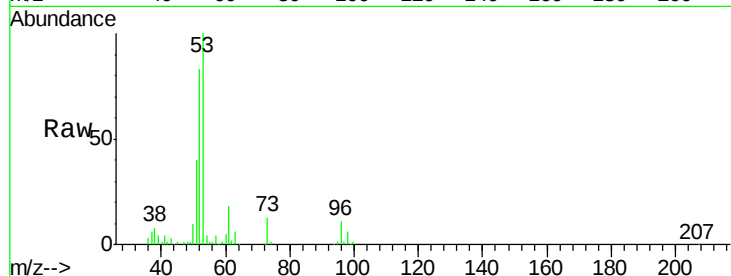
Tgt Ion: 53 Resp: 153590

Ion Ratio Lower Upper

53 100

52 83.8 66.6 100.0

51 38.1 30.6 46.0



#16

Acetone

Concen: 464.615 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003483.D

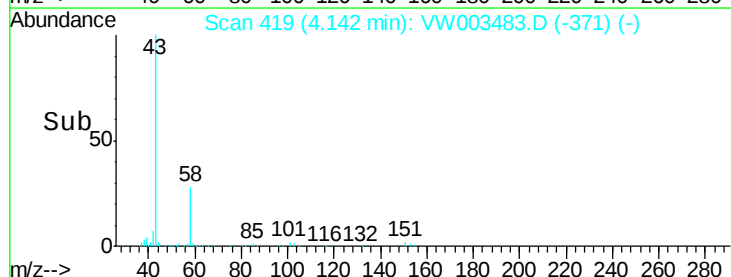
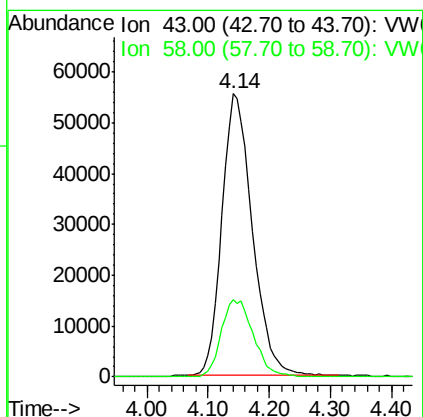
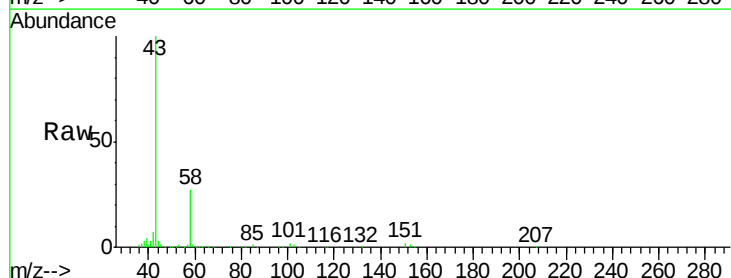
Acq: 24 Jun 2018 02:47

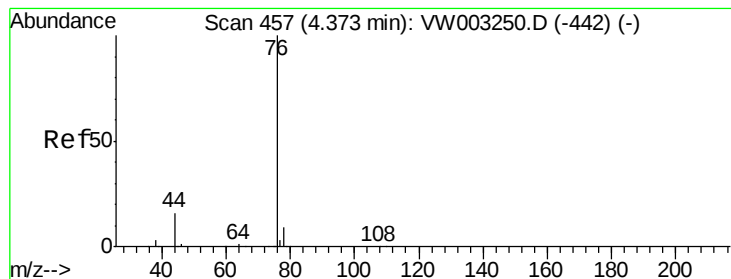
Tgt Ion: 43 Resp: 190864

Ion Ratio Lower Upper

43 100

58 27.5 22.6 34.0





#17

Carbon Disulfide

Concen: 51.143 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

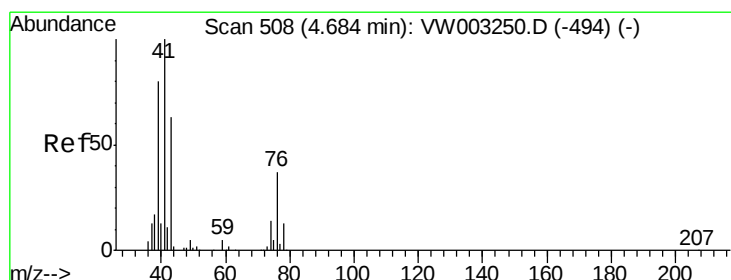
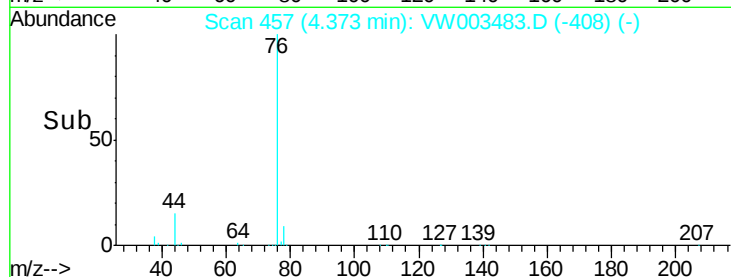
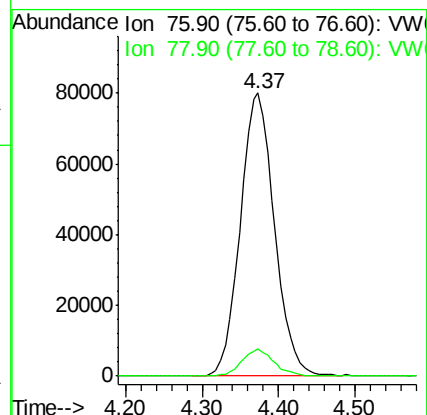
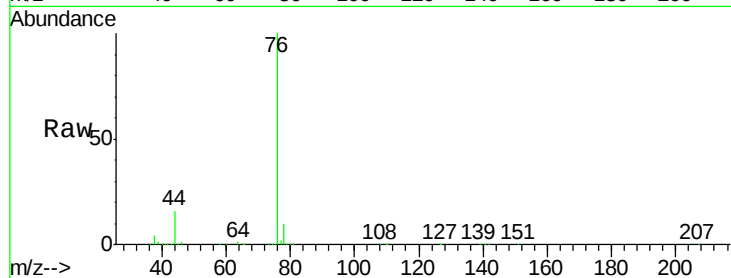
WP021SB487-13-15-180621MSD

Tgt Ion: 76 Resp: 247509

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#18

Methyl Acetate

Concen: 195.632 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003483.D

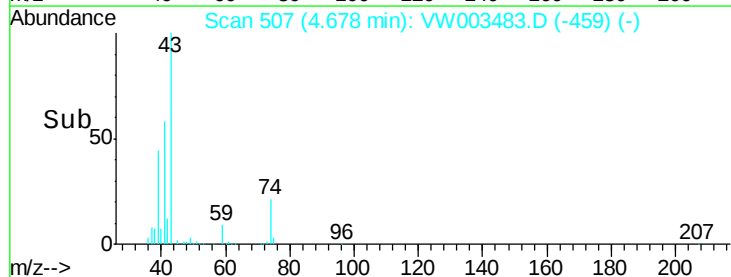
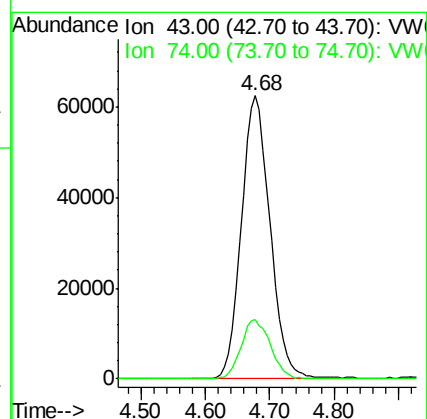
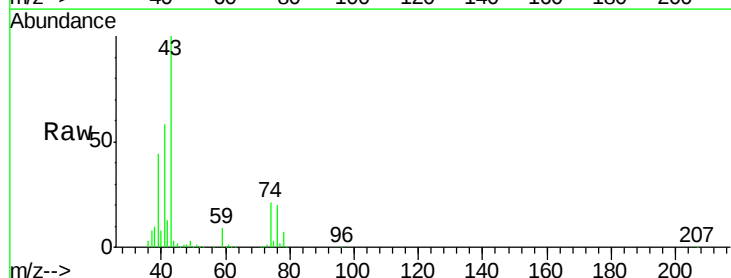
Acq: 24 Jun 2018 02:47

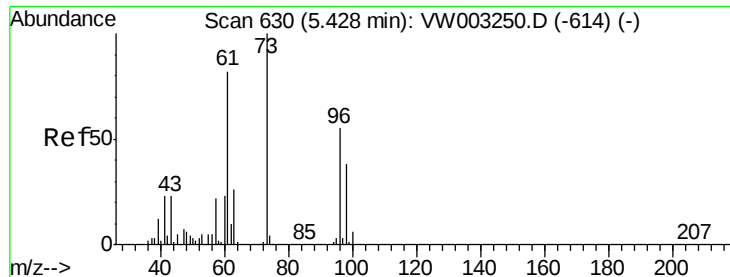
Tgt Ion: 43 Resp: 190652

Ion Ratio Lower Upper

43 100

74 21.6 18.7 28.1

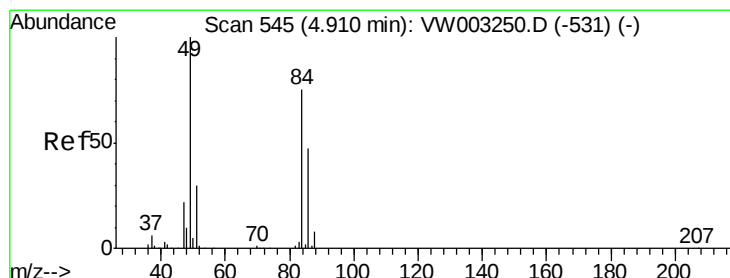
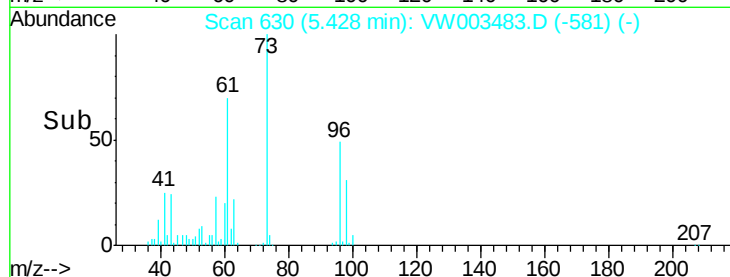
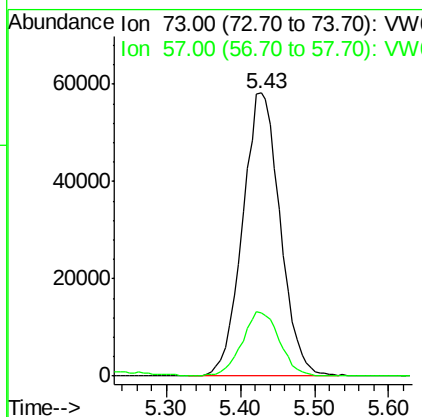
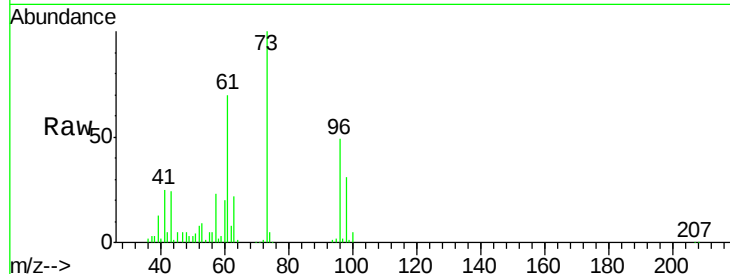




#19
Methyl tert-butyl Ether
Concen: 67.122 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

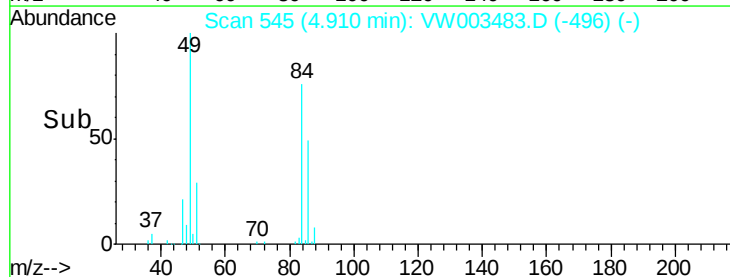
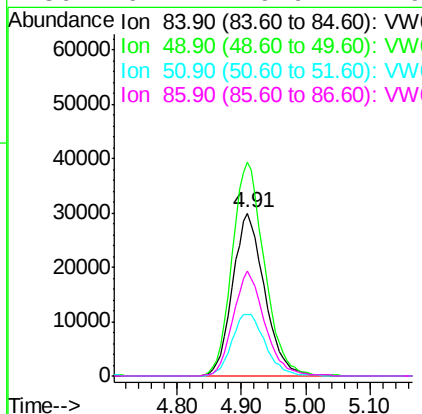
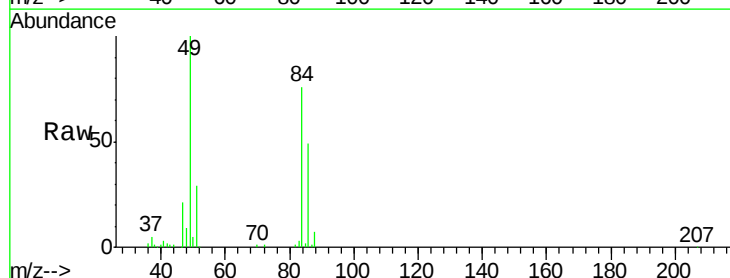
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

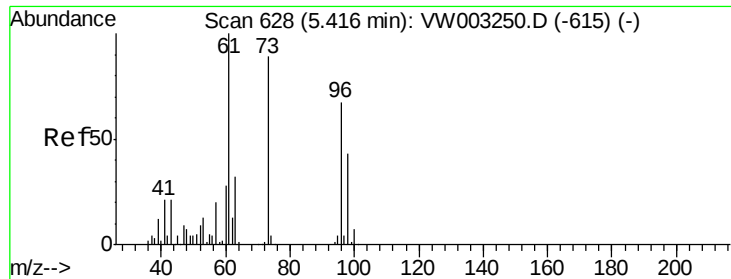
Tgt Ion: 73 Resp: 205798
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0



#20
Methylene Chloride
Concen: 59.801 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion: 84 Resp: 103100
Ion Ratio Lower Upper
84 100
49 131.3 106.3 159.5
51 37.7 32.0 48.0
86 64.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 55.499 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

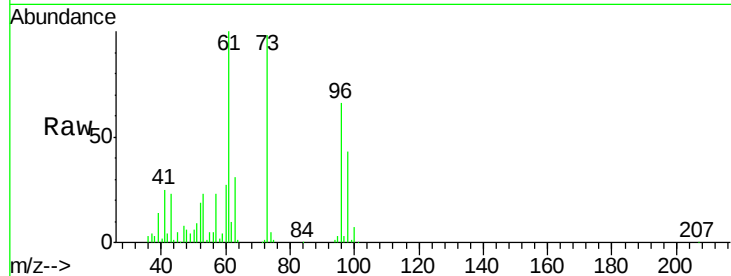
Tgt Ion: 96 Resp: 98876

Ion Ratio Lower Upper

96 100

61 151.2 118.7 178.1

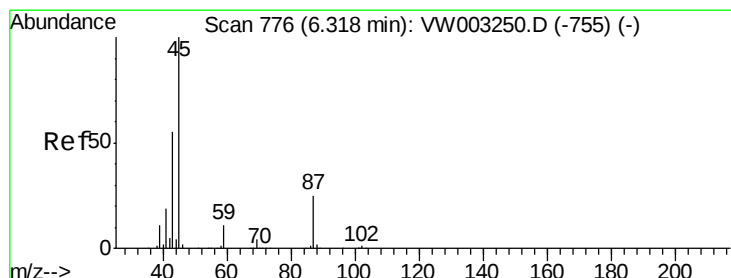
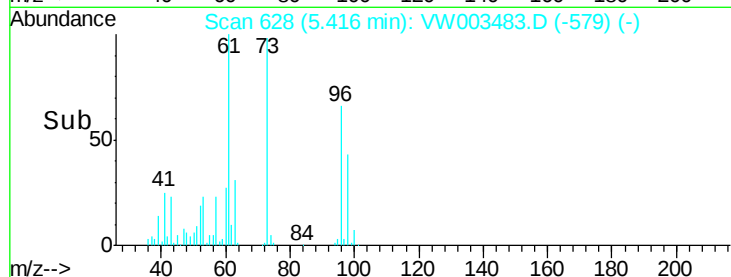
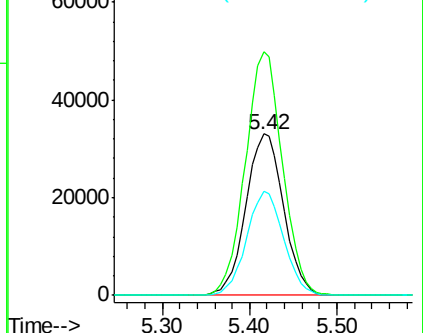
98 64.7 51.0 76.6



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: 55.924 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Tgt Ion: 45 Resp: 319147

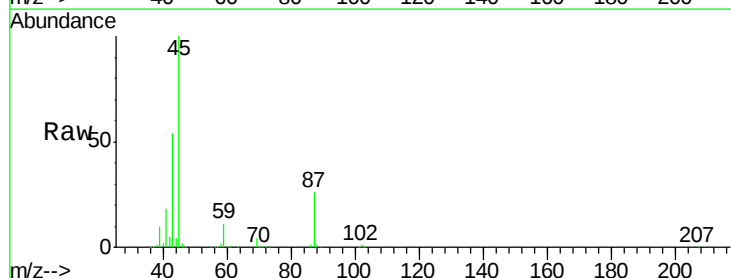
Ion Ratio Lower Upper

45 100

43 53.6 44.0 66.0

87 25.6 20.6 31.0

59 10.6 8.8 13.2

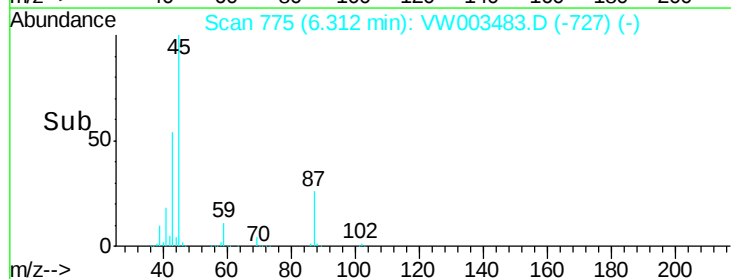
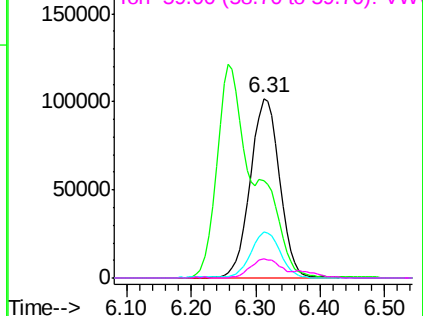


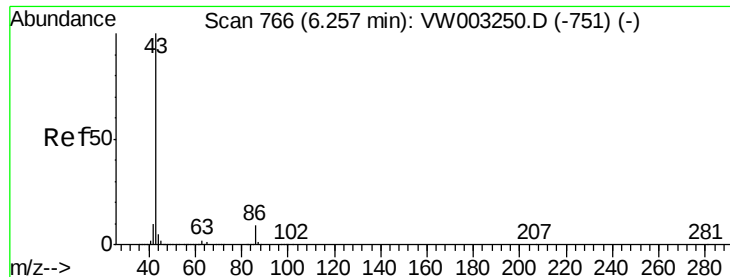
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 113.742 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

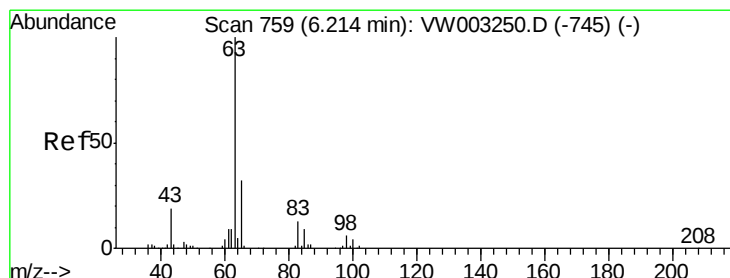
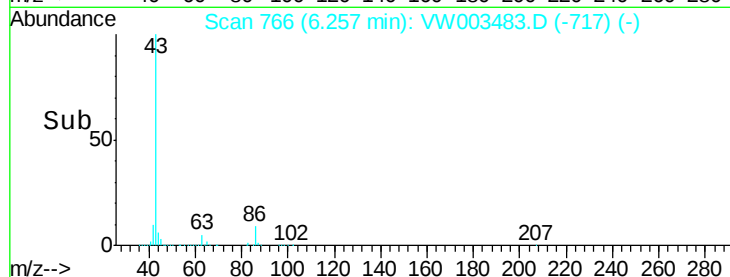
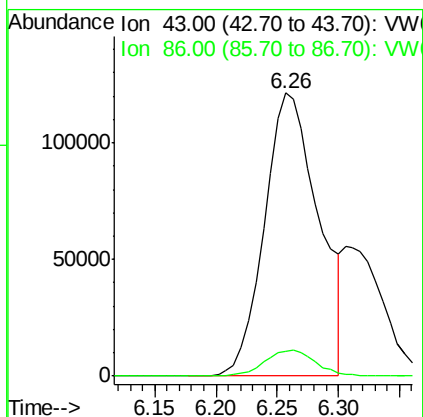
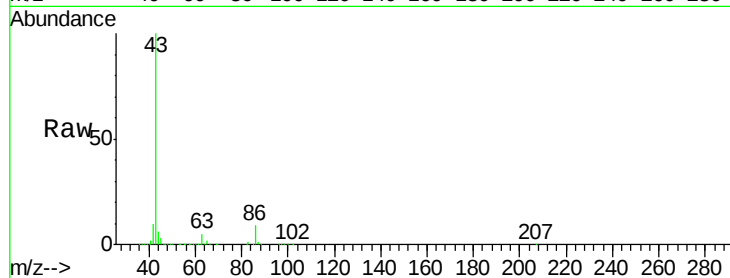
WP021SB487-13-15-180621MSD

Tgt Ion: 43 Resp: 374055

Ion Ratio Lower Upper

43 100

86 8.6 7.5 11.3



#24

1,1-Dichloroethane

Concen: 54.580 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

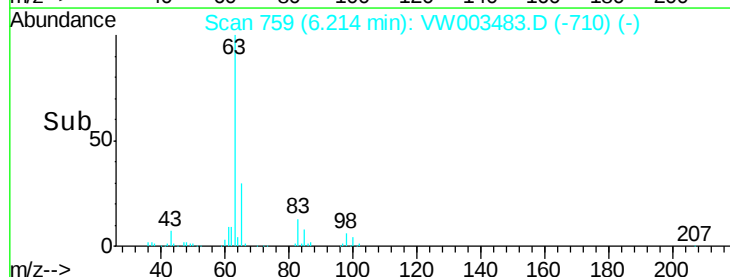
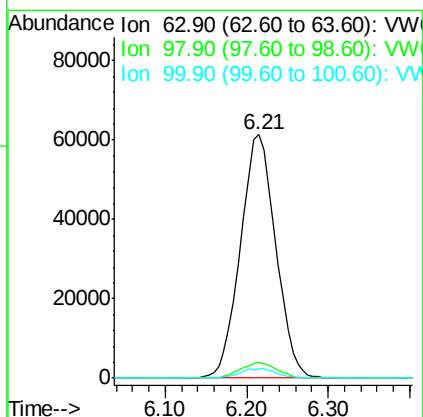
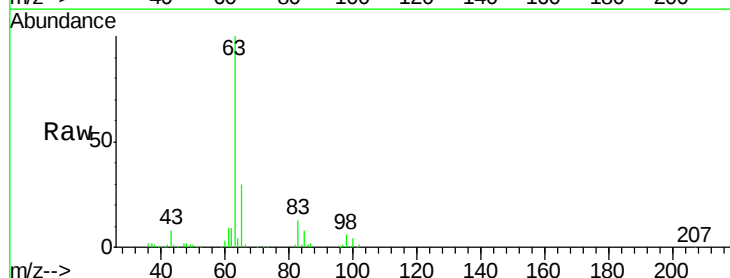
Tgt Ion: 63 Resp: 184909

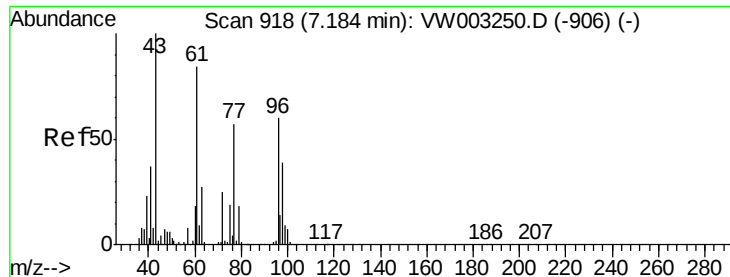
Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.3

100 3.8 2.1 6.5





#25

2-Butanone

Concen: 448.040 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

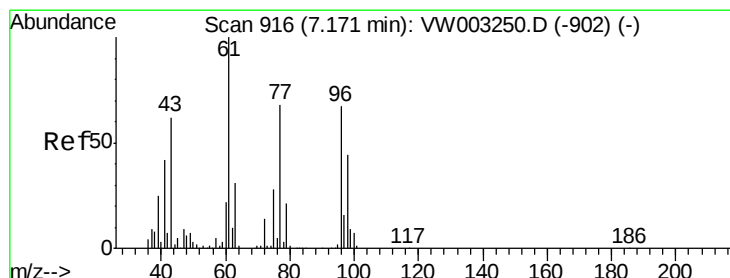
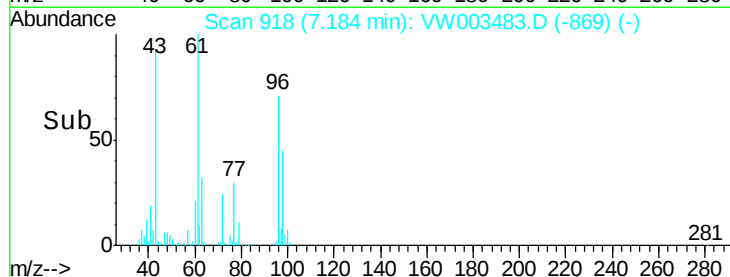
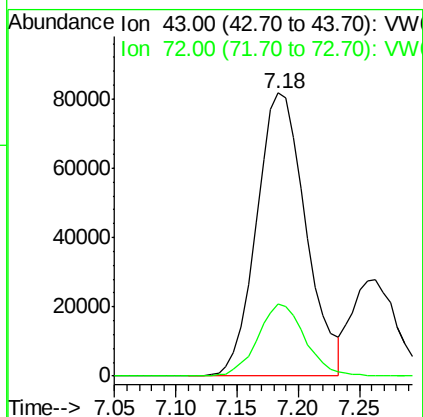
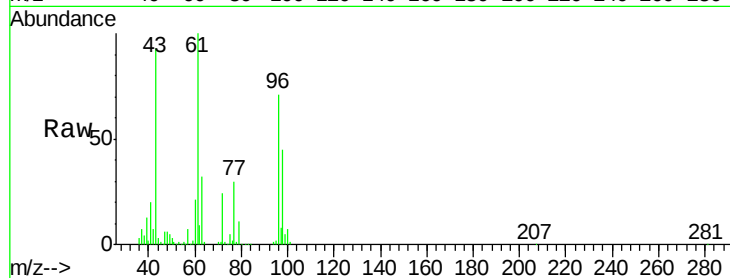
WP021SB487-13-15-180621MSD

Tgt Ion: 43 Resp: 228868

Ion Ratio Lower Upper

43 100

72 25.2 20.3 30.5



#26

2,2-Dichloropropane

Concen: 48.561 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003483.D

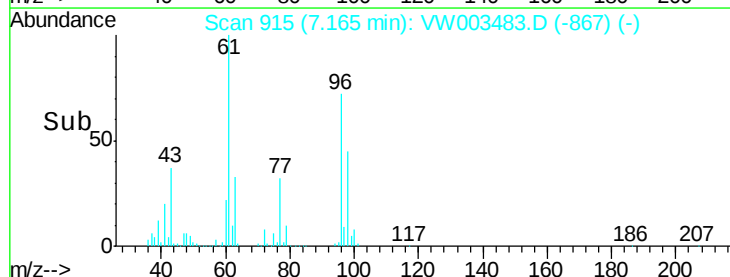
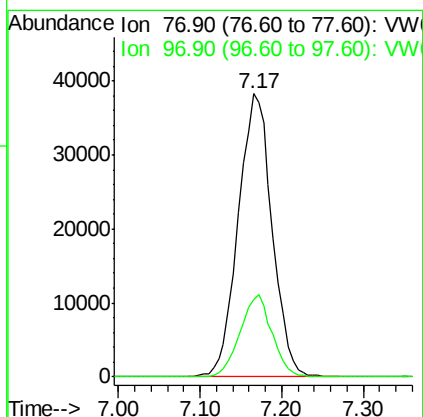
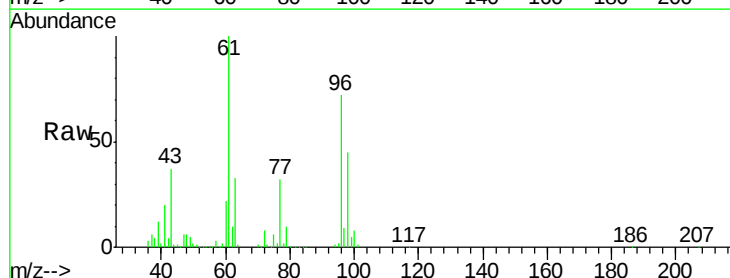
Acq: 24 Jun 2018 02:47

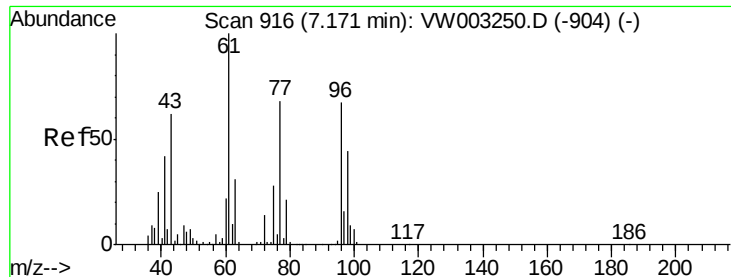
Tgt Ion: 77 Resp: 109797

Ion Ratio Lower Upper

77 100

97 27.5 11.3 33.9



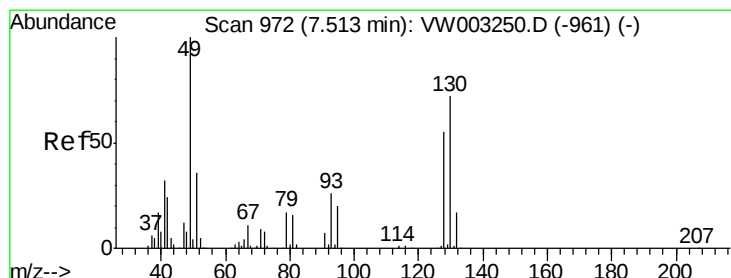
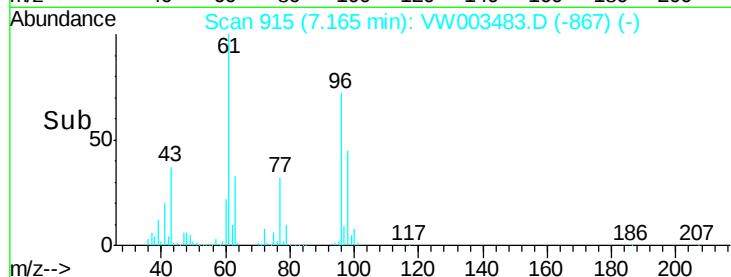
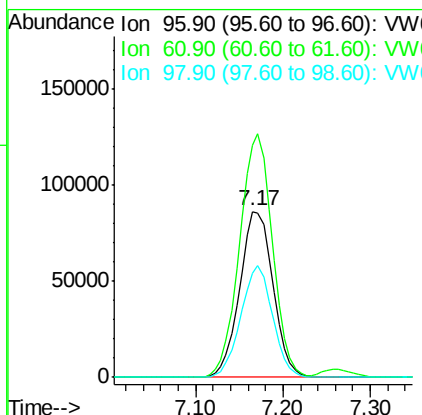
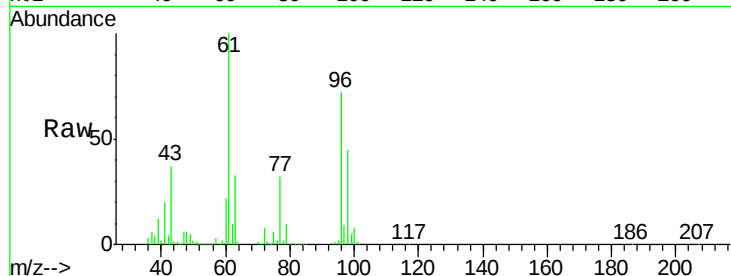


#27

cis-1,2-Dichloroethene
Concen: 116.545 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

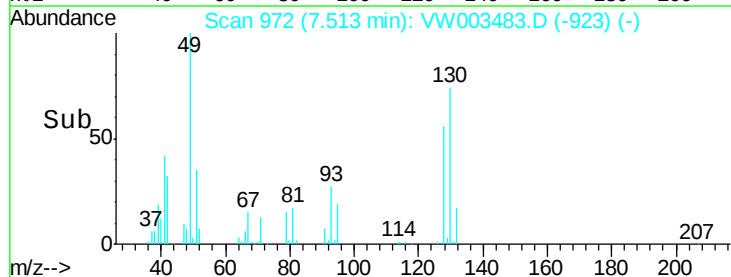
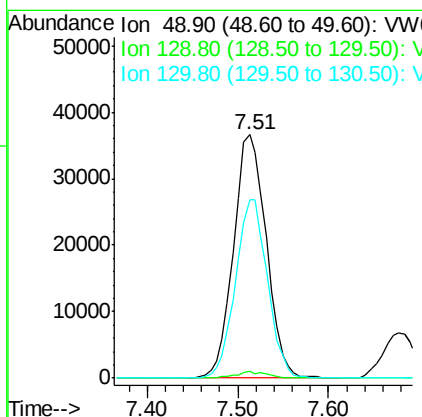
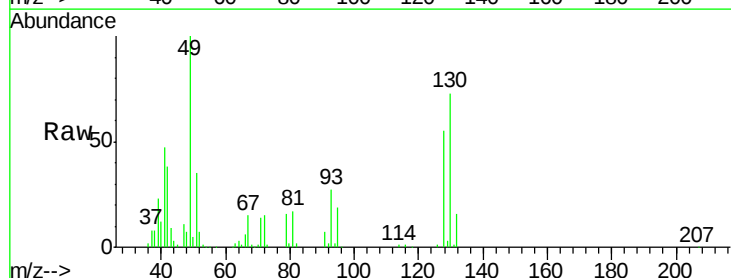
Tgt Ion: 96 Resp: 228092
Ion Ratio Lower Upper
96 100
61 144.2 0.0 298.8
98 64.2 0.0 130.4

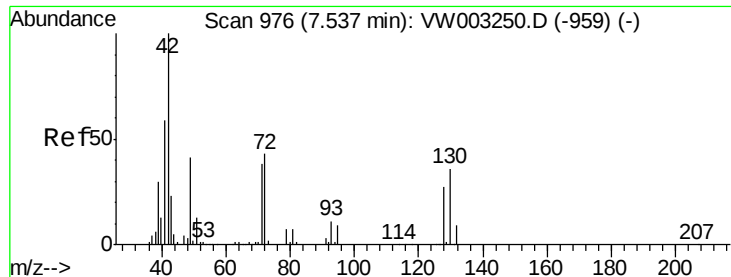


#28

Bromochloromethane
Concen: 65.080 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion: 49 Resp: 91750
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 71.7 59.4 89.2

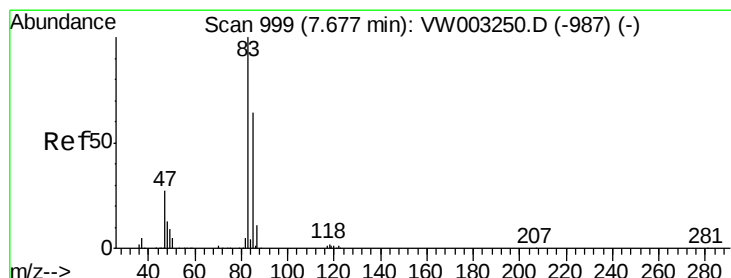
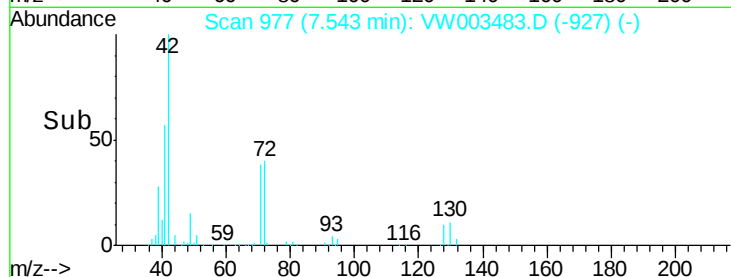
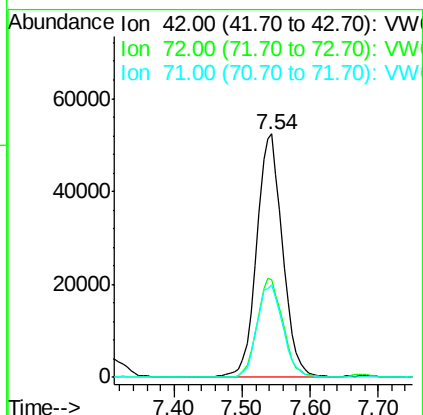
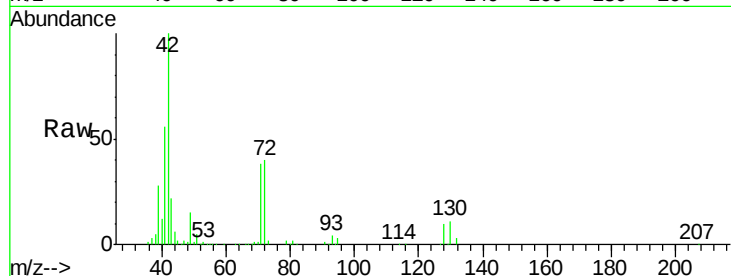




#29
Tetrahydrofuran
Concen: 447.659 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

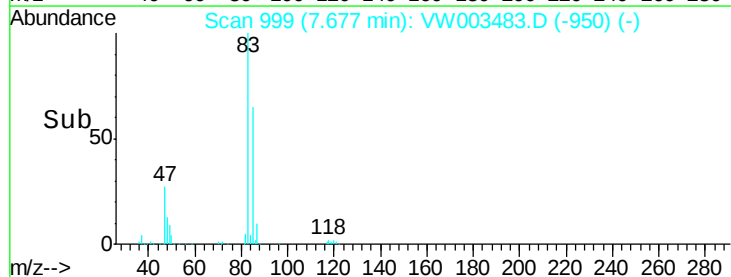
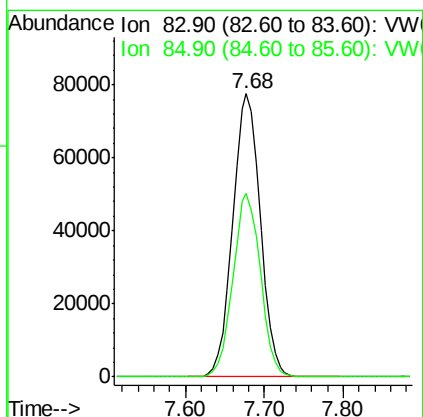
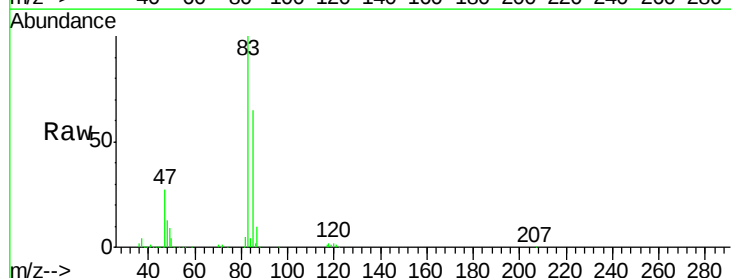
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

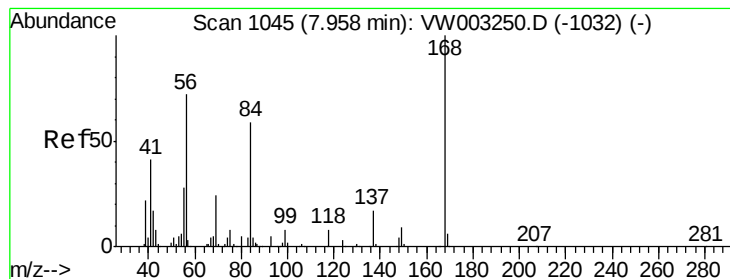
Tgt Ion: 42 Resp: 139757
Ion Ratio Lower Upper
42 100
72 40.1 32.4 48.6
71 38.0 31.2 46.8



#30
Chloroform
Concen: 54.577 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion: 83 Resp: 188375
Ion Ratio Lower Upper
83 100
85 65.0 51.3 76.9





#31

Cyclohexane

Concen: 51.730 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

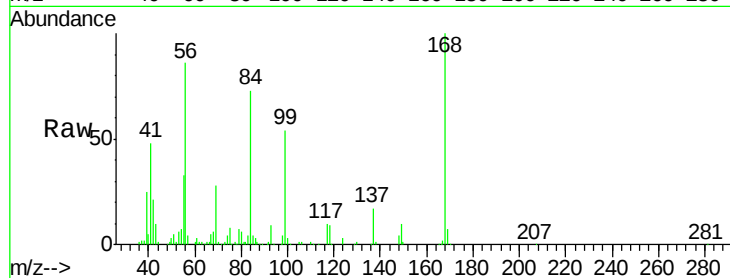
Tgt Ion: 56 Resp: 163729

Ion Ratio Lower Upper

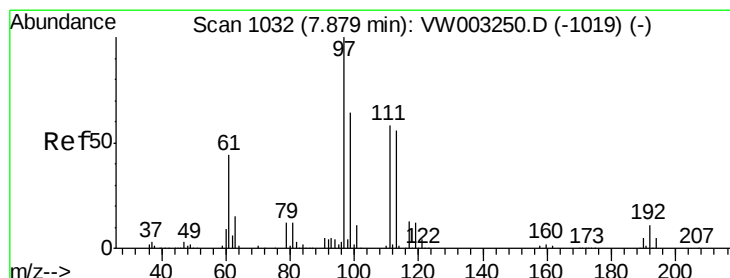
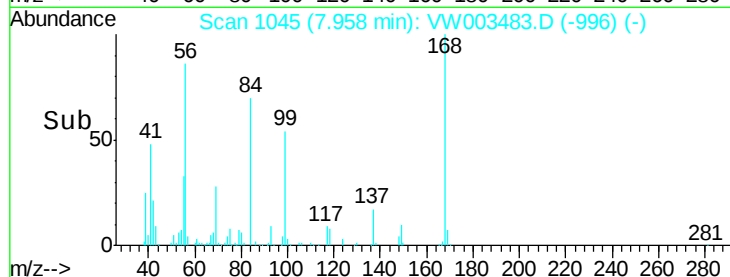
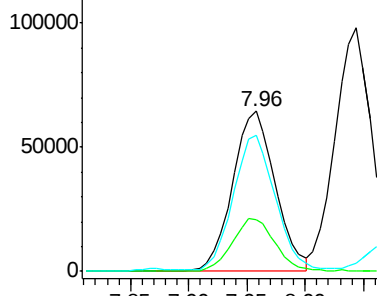
56 100

69 32.6 26.3 39.5

84 83.1 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: 53.464 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

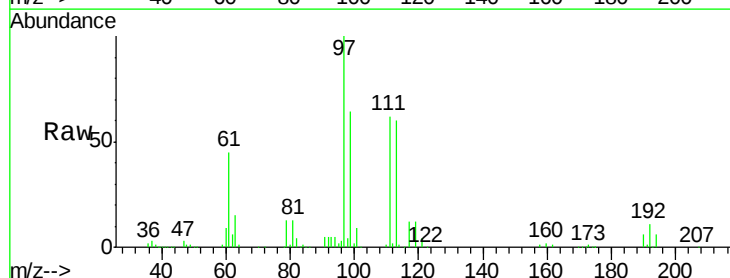
Tgt Ion: 97 Resp: 152316

Ion Ratio Lower Upper

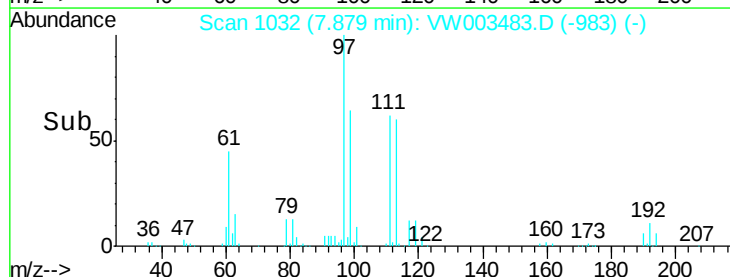
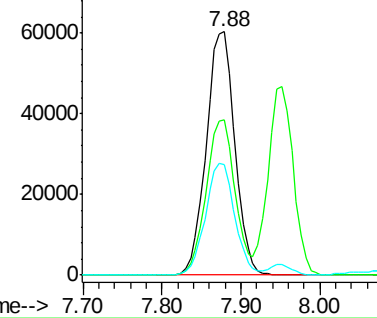
97 100

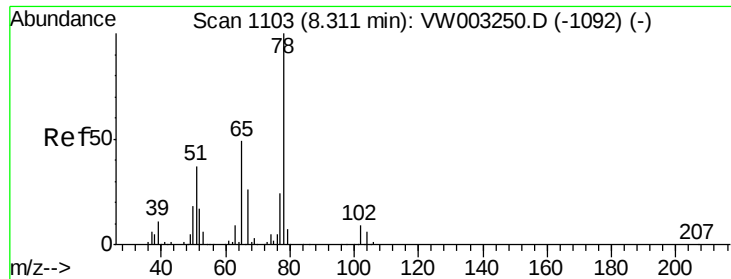
99 64.9 51.7 77.5

61 46.8 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: 62.269 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

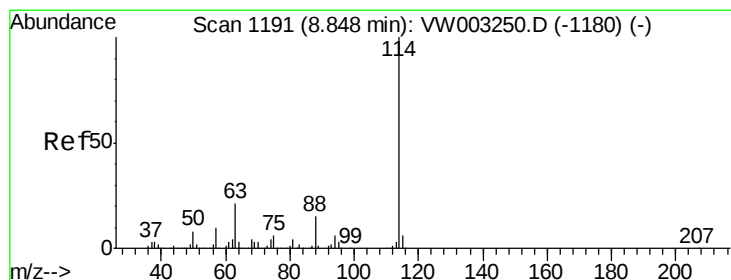
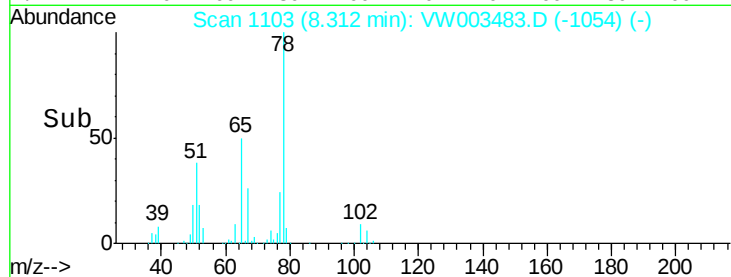
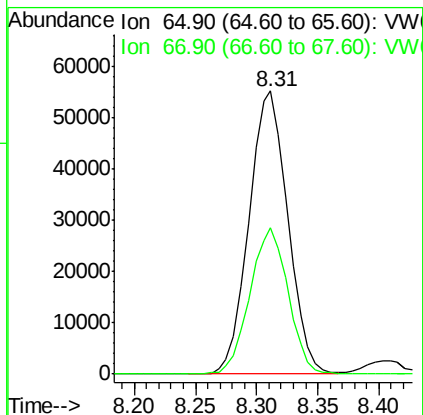
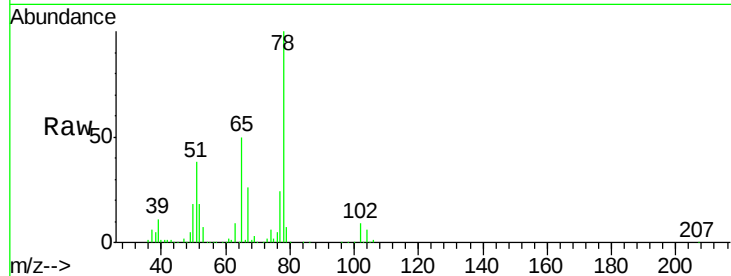
WP021SB487-13-15-180621MSD

Tgt Ion: 65 Resp: 121968

Ion Ratio Lower Upper

65 100

67 51.0 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: VW003483.D

Acq: 24 Jun 2018 02:47

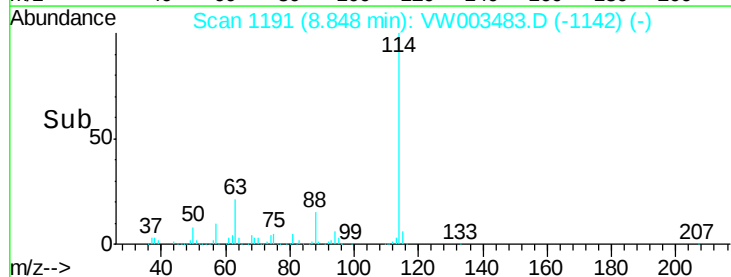
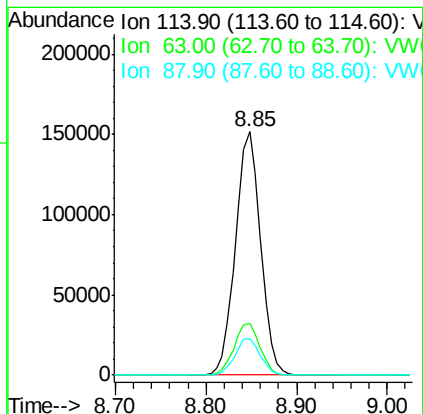
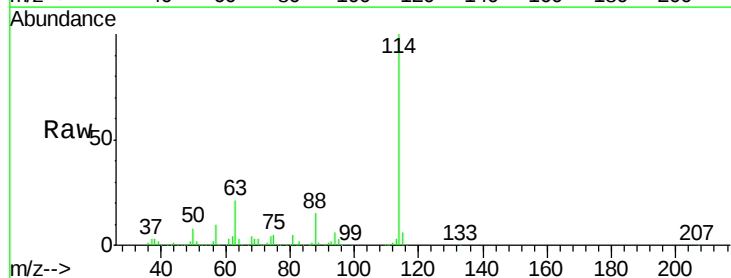
Tgt Ion: 114 Resp: 290868

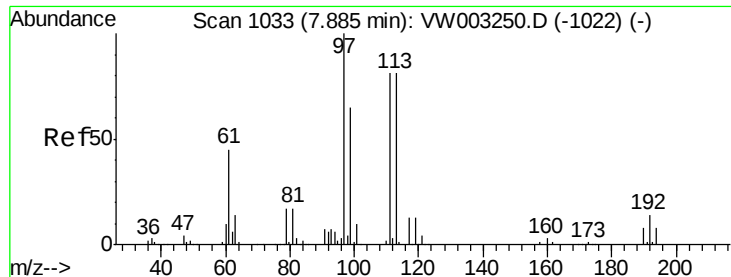
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

88 15.1 0.0 29.6

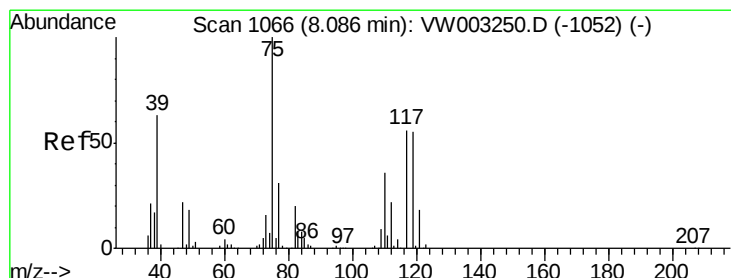
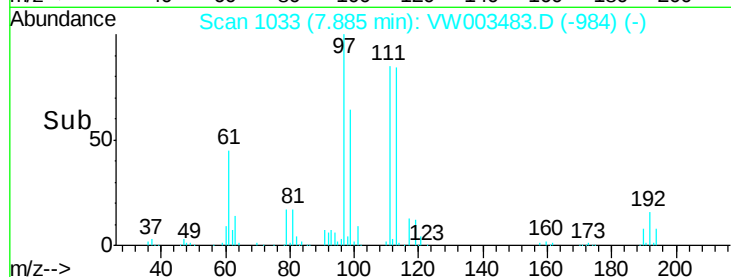
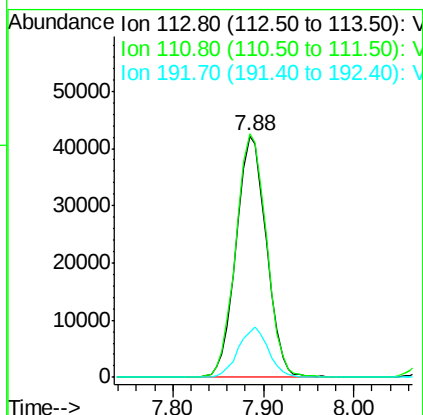
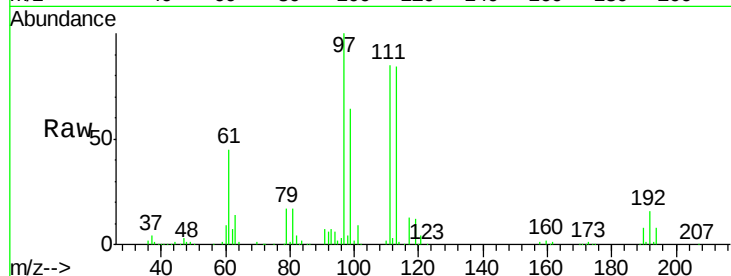




#35
 Dibromofluoromethane
 Concen: 54.097 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

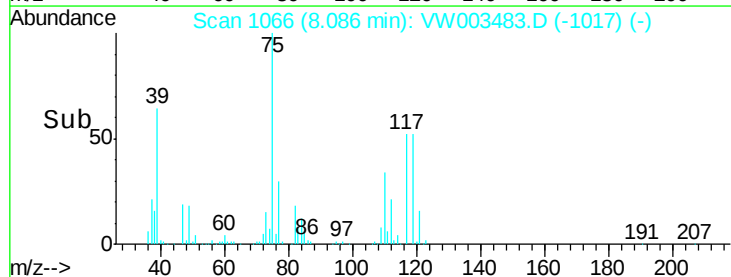
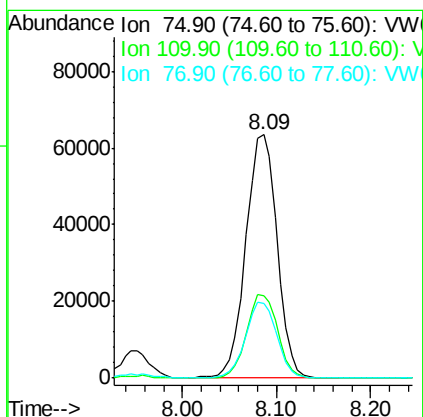
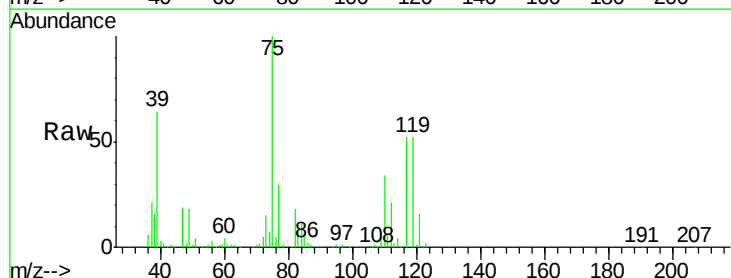
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

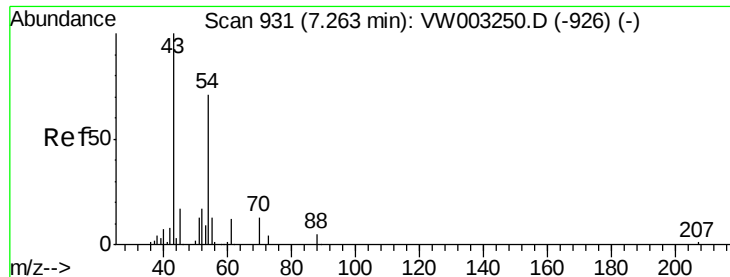
Tgt Ion:113 Resp: 97774
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.2
 192 20.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 52.398 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion: 75 Resp: 147187
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.1 51.3
 77 31.3 24.9 37.3

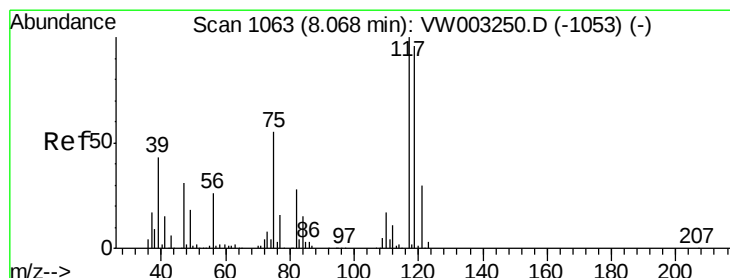
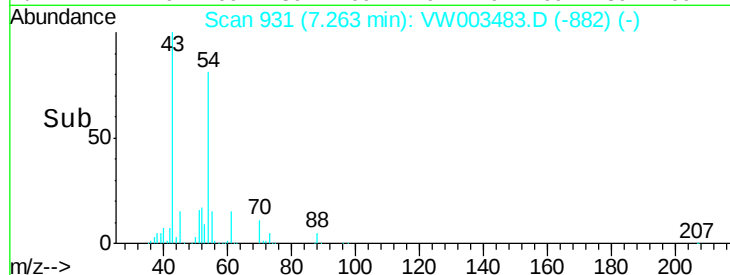
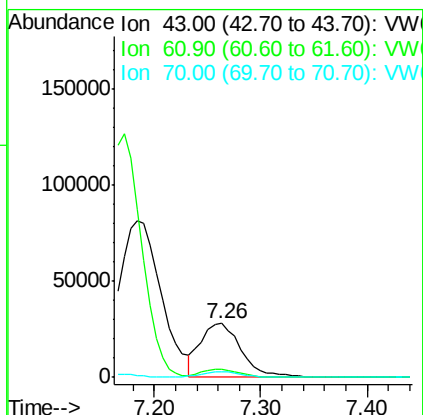
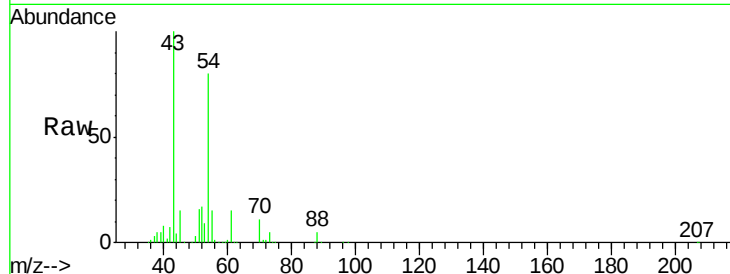




#37
 Ethyl Acetate
 Concen: 62.410 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

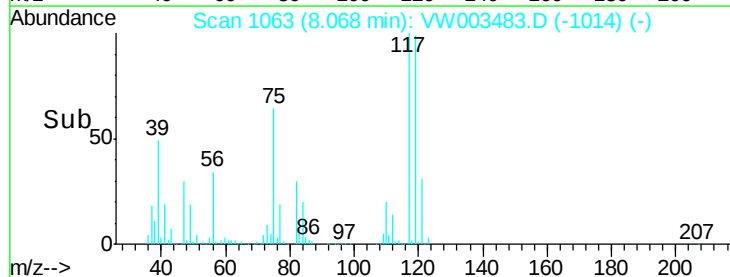
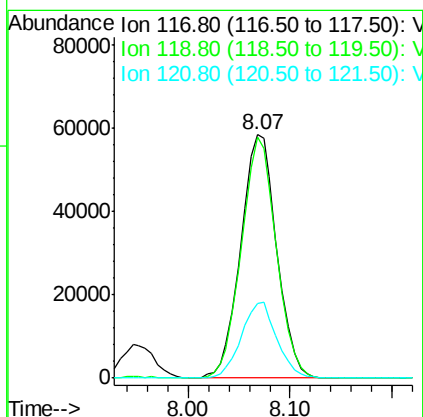
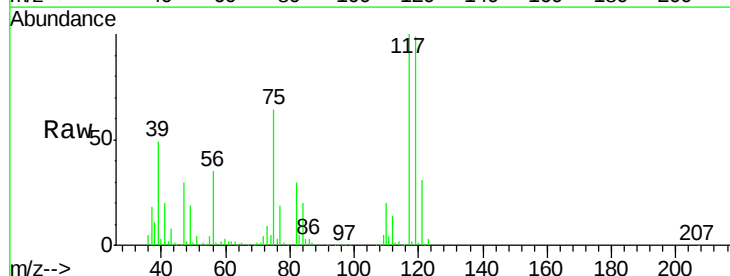
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

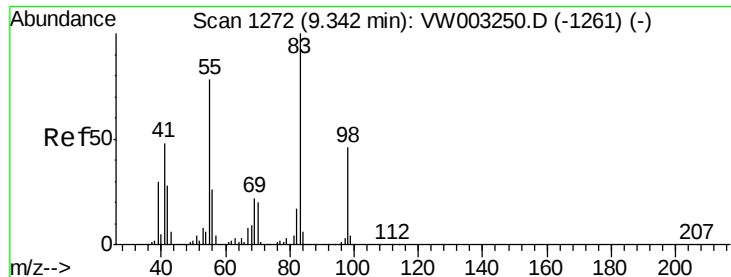
Tgt Ion: 43 Resp: 72627
 Ion Ratio Lower Upper
 43 100
 61 13.9 10.8 16.2
 70 9.8 7.8 11.6



#38
 Carbon Tetrachloride
 Concen: 51.968 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion: 117 Resp: 143191
 Ion Ratio Lower Upper
 117 100
 119 99.1 76.6 115.0
 121 30.7 23.9 35.9

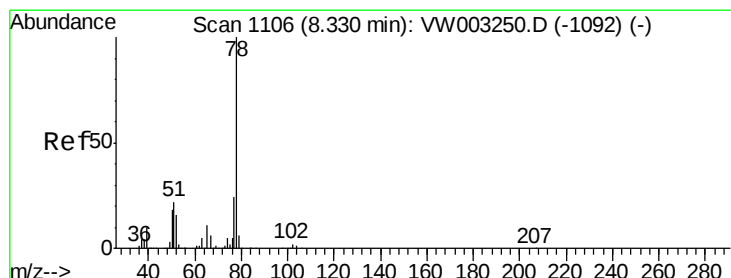
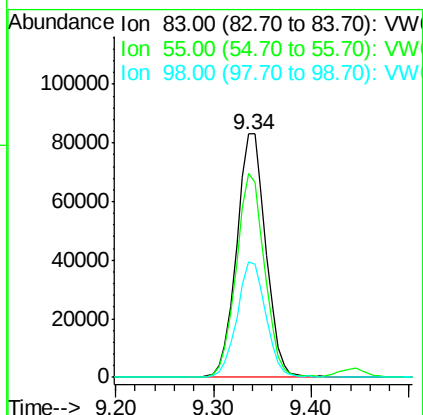
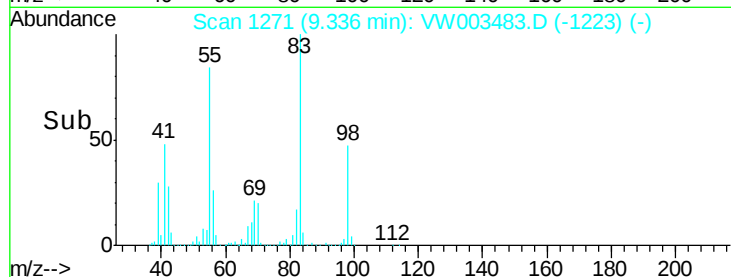
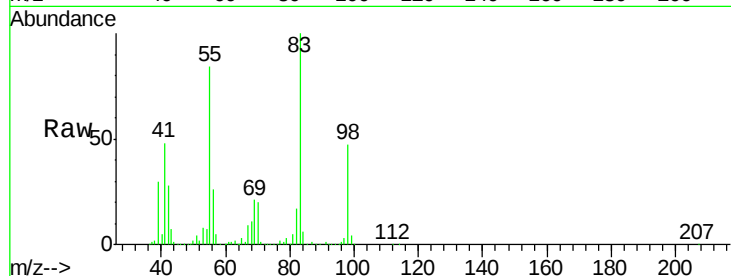




#39
Methylcyclohexane
Concen: 52.910 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

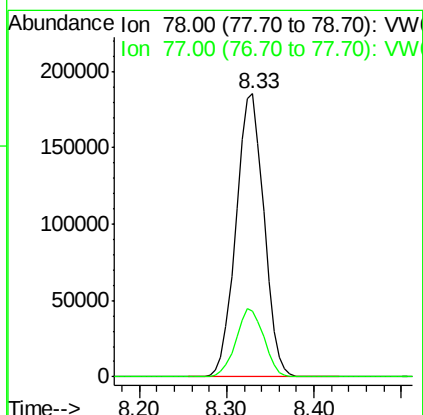
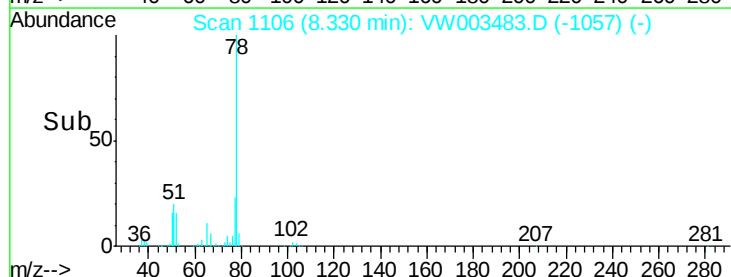
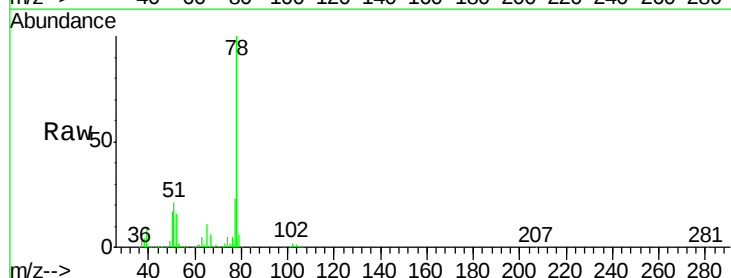
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

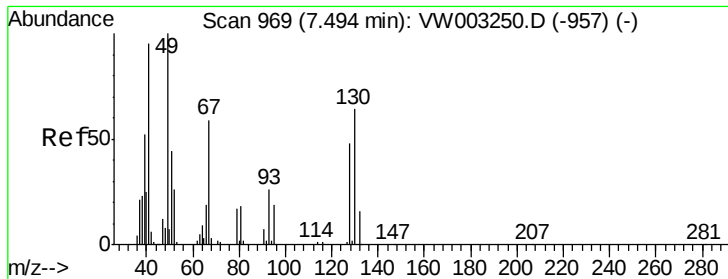
Tgt Ion: 83 Resp: 171972
Ion Ratio Lower Upper
83 100
55 83.6 62.6 93.8
98 47.3 37.0 55.4



#40
Benzene
Concen: 53.294 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion: 78 Resp: 412652
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6

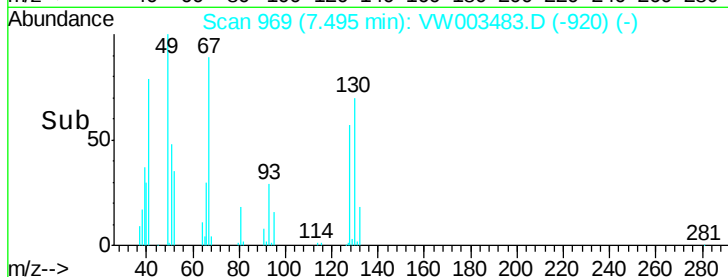
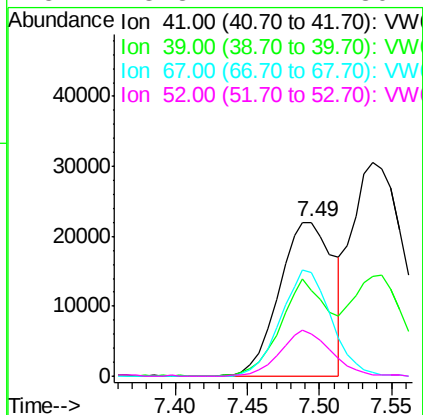
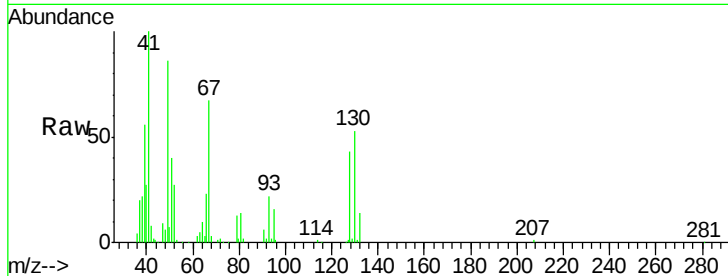




#41
Methacrylonitrile
Concen: 81.155 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

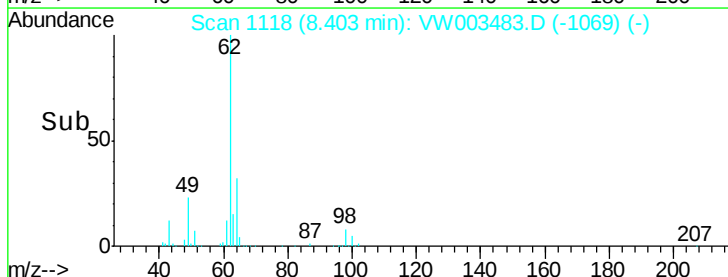
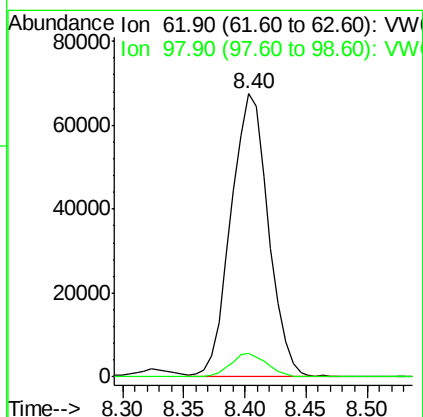
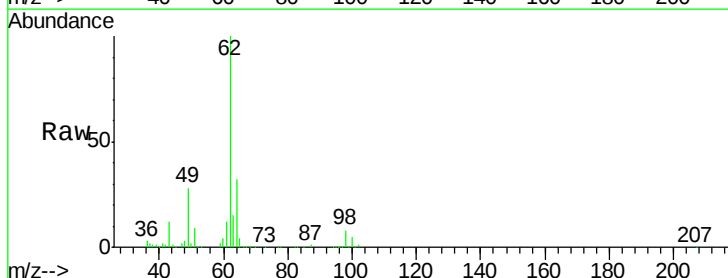
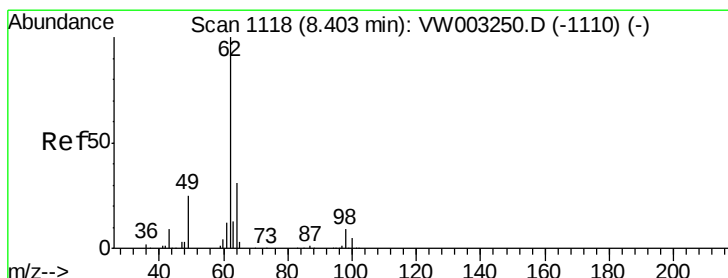
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

Tgt Ion:	41	Resp:	57954
Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.8	68.8
67	63.7	52.3	78.5
52	28.3	24.1	36.1



#42
1,2-Dichloroethane
Concen: 59.006 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion:	62	Resp:	143143
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 66.581 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

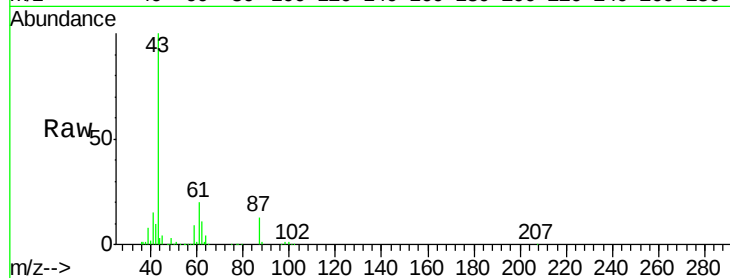
Tgt Ion: 43 Resp: 153848

Ion Ratio Lower Upper

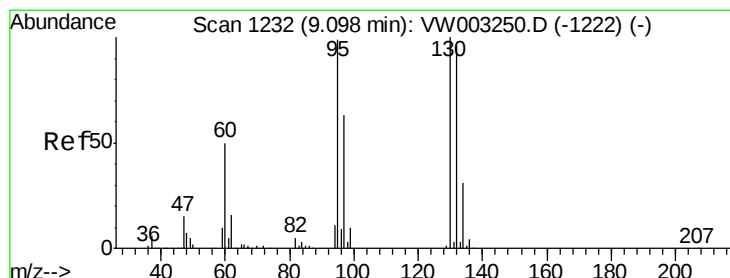
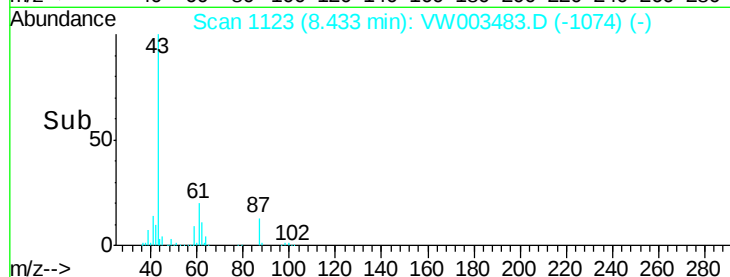
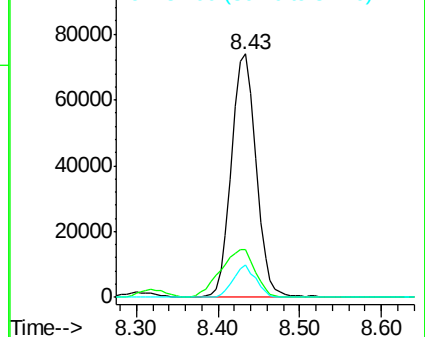
43 100

61 27.8 23.1 34.7

87 12.2 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: 52.972 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003483.D

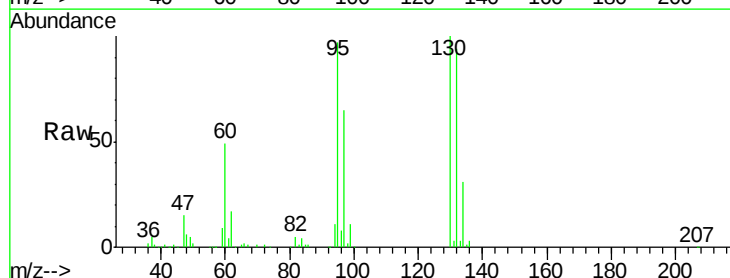
Acq: 24 Jun 2018 02:47

Tgt Ion: 130 Resp: 108683

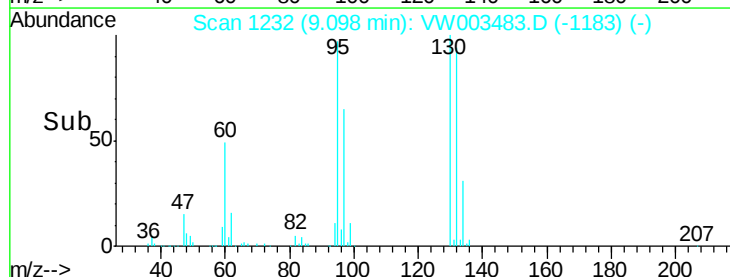
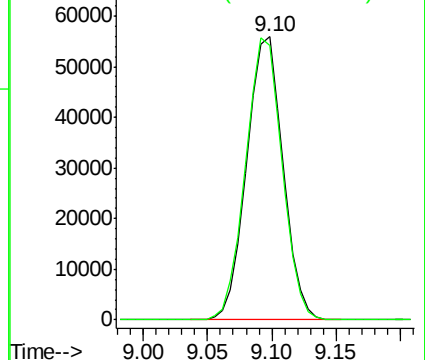
Ion Ratio Lower Upper

130 100

95 96.8 0.0 198.0



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

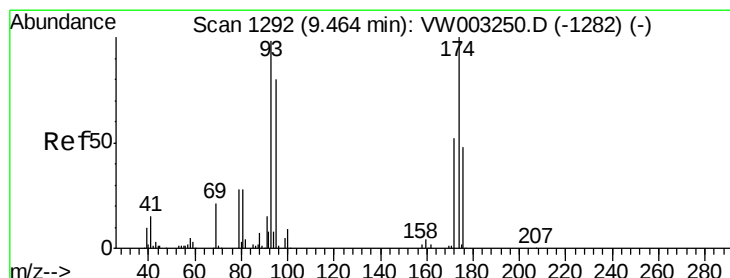
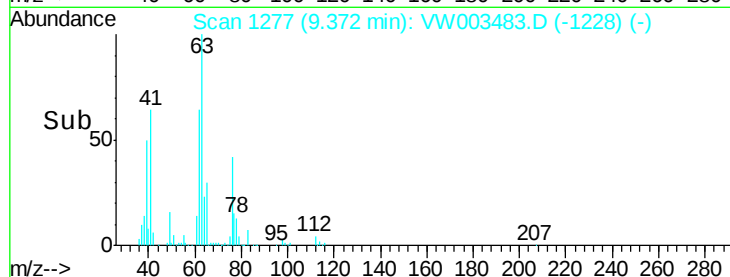
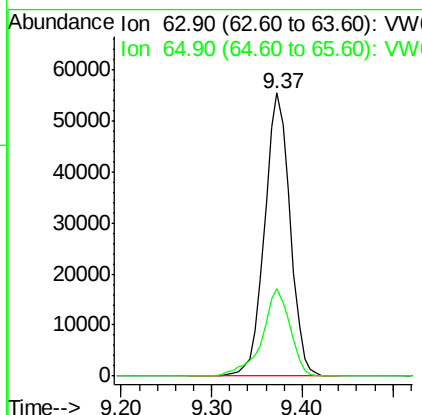
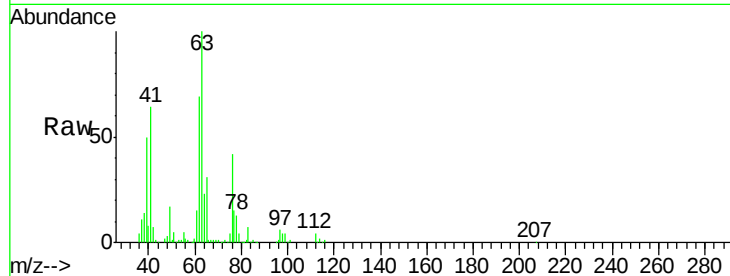




#45
 1,2-Dichloropropane
 Concen: 54.689 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

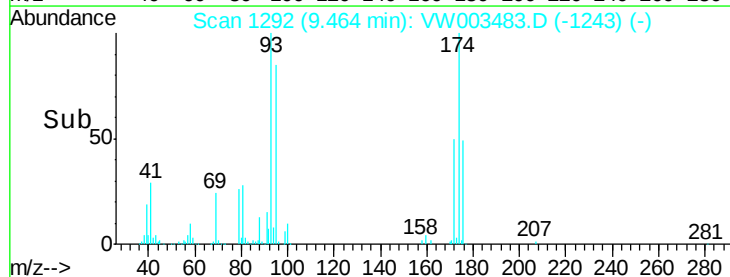
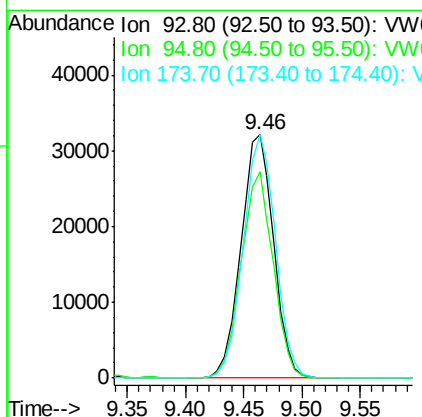
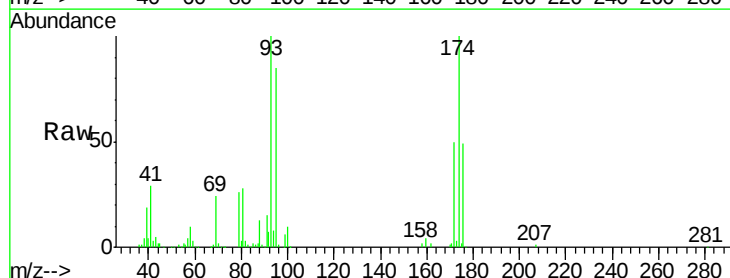
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

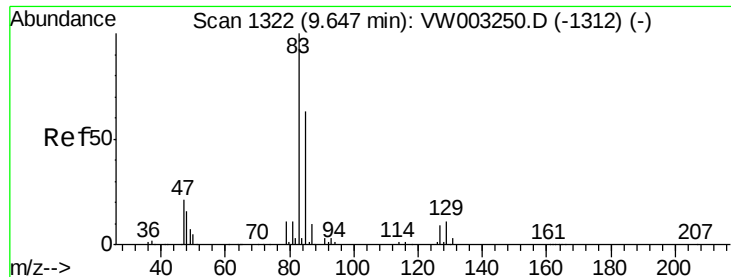
Tgt Ion: 63 Resp: 107817
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.1 37.7



#46
 Dibromomethane
 Concen: 62.196 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion: 93 Resp: 62777
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.8 98.8
 174 99.2 81.4 122.0





#47

Bromodichloromethane

Concen: 54.922 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

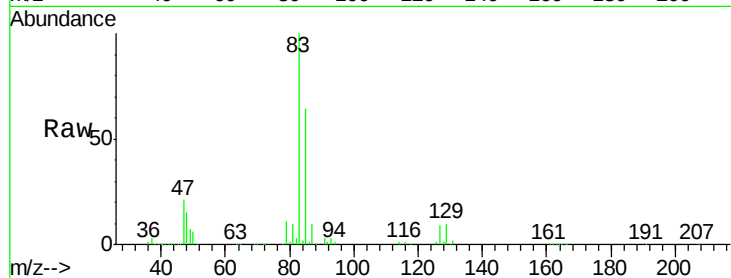
Tgt Ion: 83 Resp: 142096

Ion Ratio Lower Upper

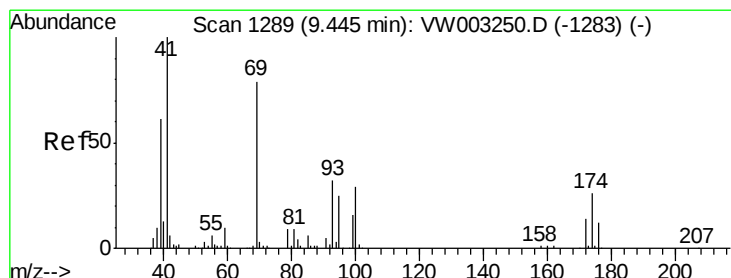
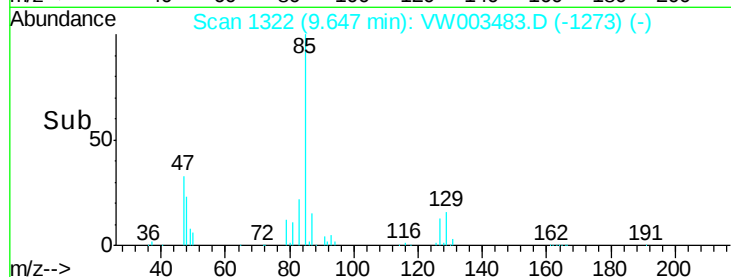
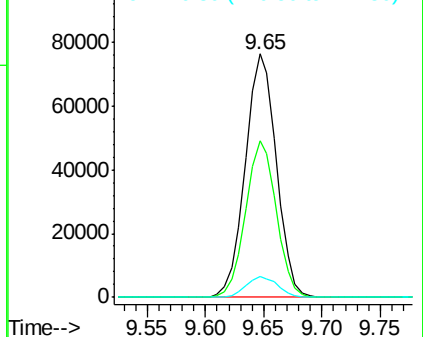
83 100

85 64.2 50.6 75.8

127 8.6 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: 79.901 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

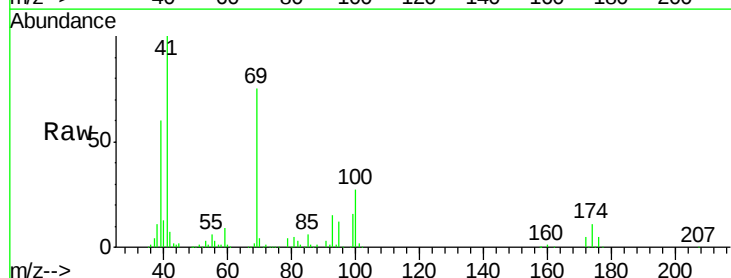
Tgt Ion: 41 Resp: 86766

Ion Ratio Lower Upper

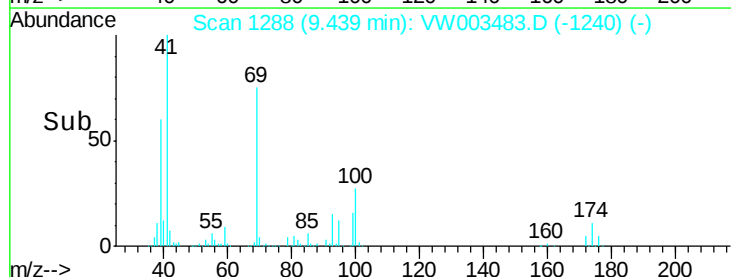
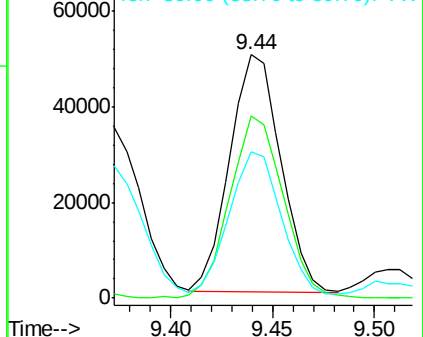
41 100

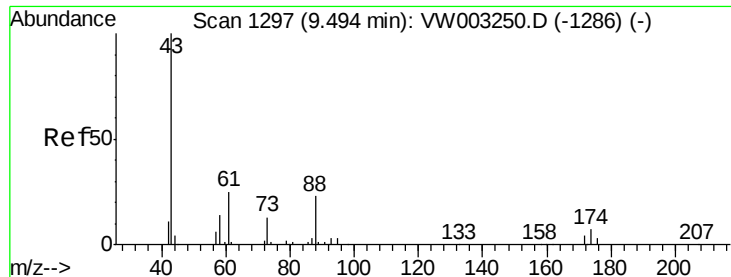
69 79.7 65.4 98.2

39 64.4 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: 1698.172 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. -0.01 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

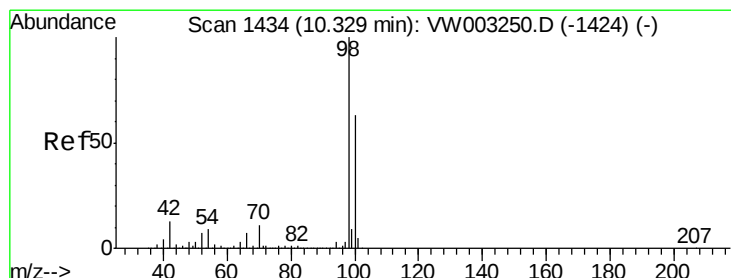
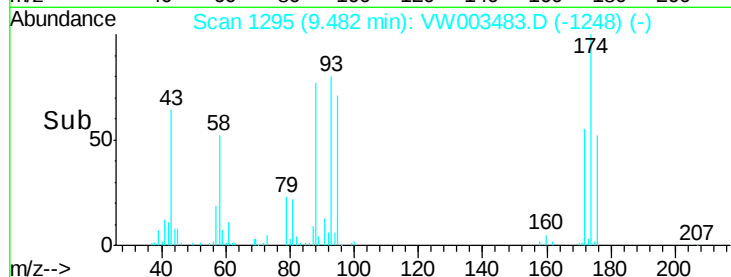
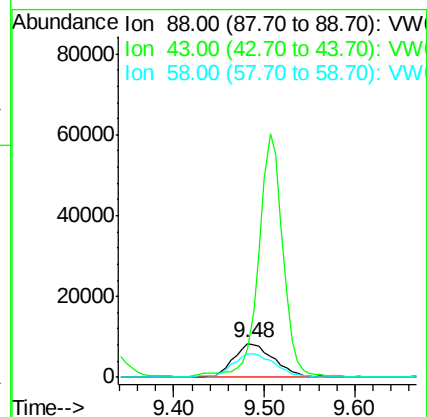
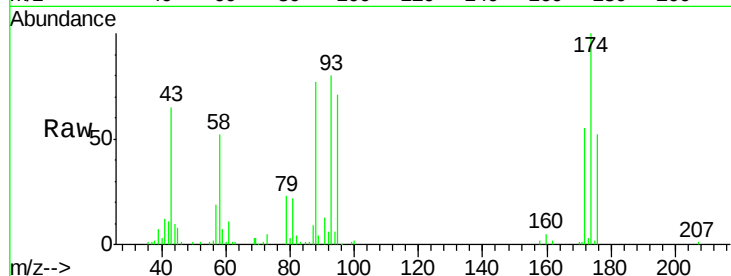
Tgt Ion: 88 Resp: 25880

Ion Ratio Lower Upper

88 100

43 0.0 454.7 682.1#

58 74.5 58.6 88.0



#50

Toluene-d8

Concen: 53.374 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003483.D

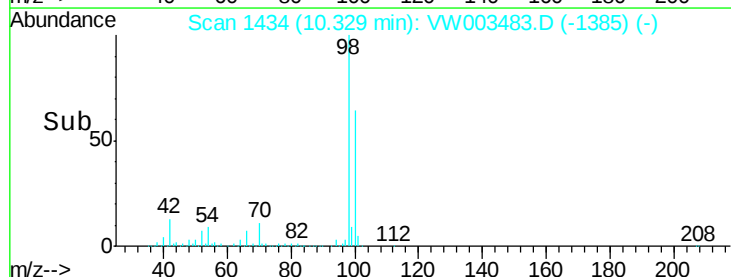
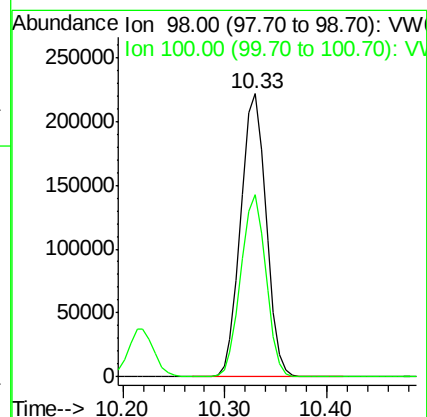
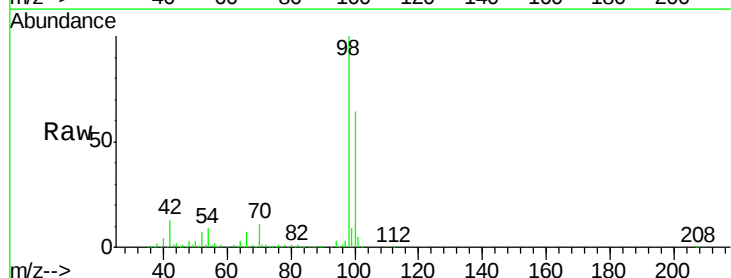
Acq: 24 Jun 2018 02:47

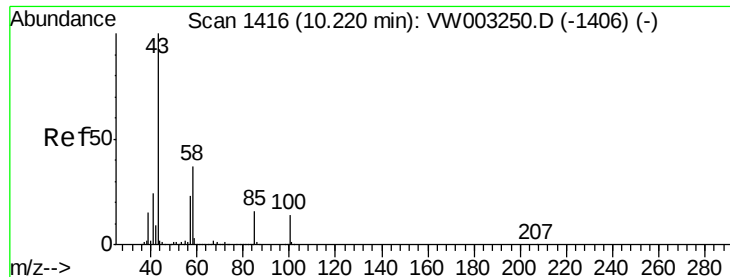
Tgt Ion: 98 Resp: 382507

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 415.445 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

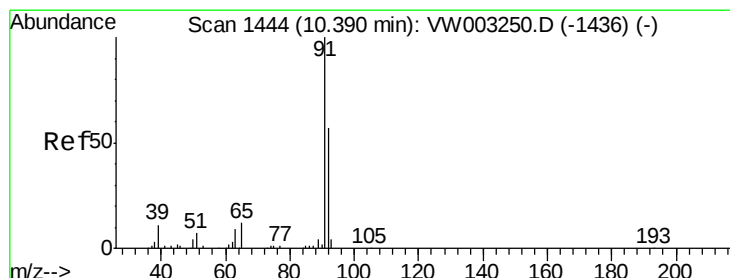
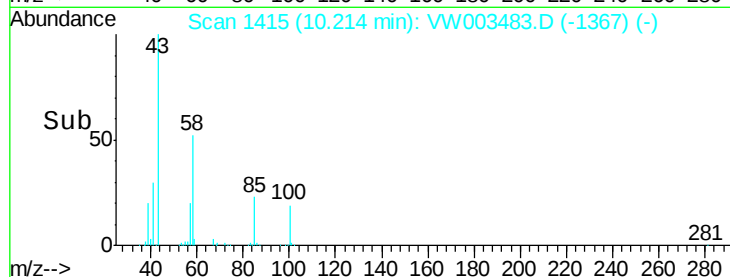
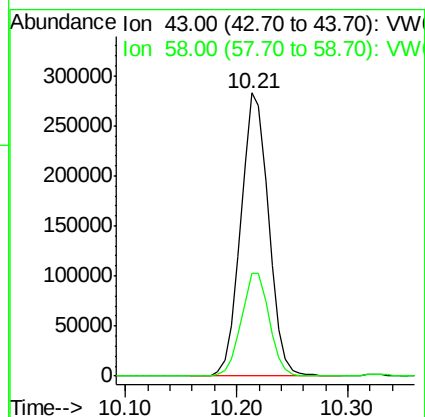
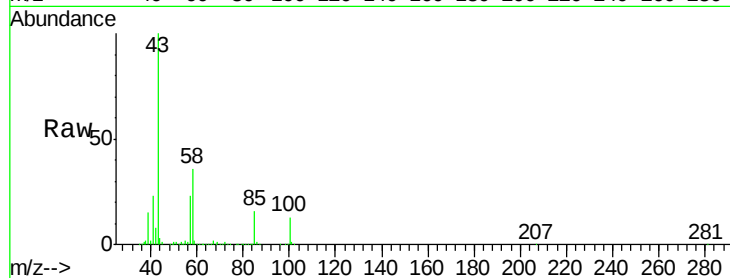
WP021SB487-13-15-180621MSD

Tgt Ion: 43 Resp: 489156

Ion Ratio Lower Upper

43 100

58 36.5 29.0 43.4



#52

Toluene

Concen: 52.750 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003483.D

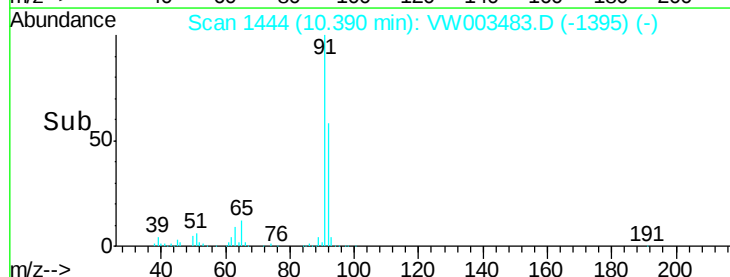
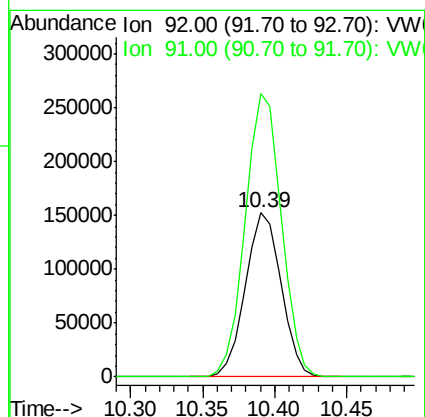
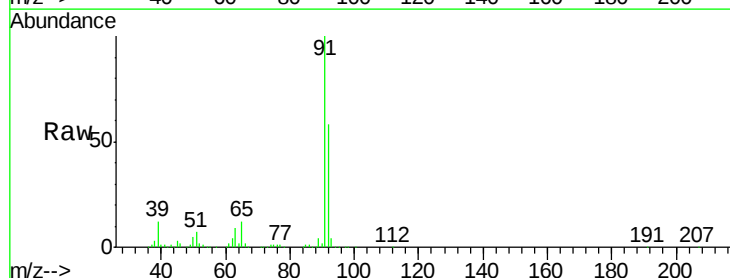
Acq: 24 Jun 2018 02:47

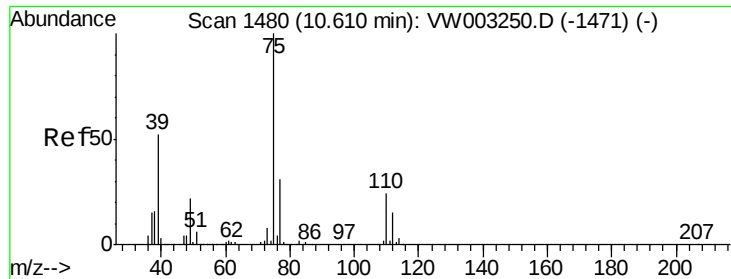
Tgt Ion: 92 Resp: 261915

Ion Ratio Lower Upper

92 100

91 174.3 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 58.621 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

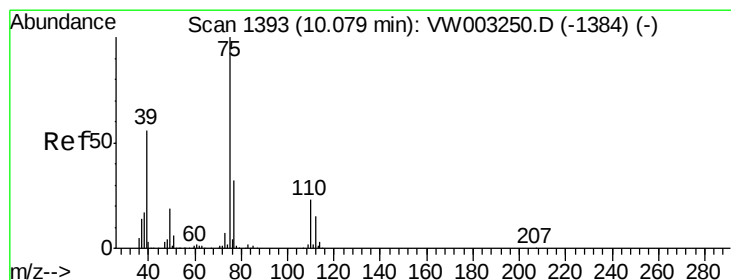
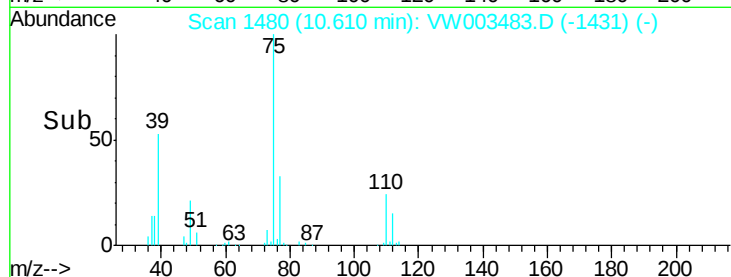
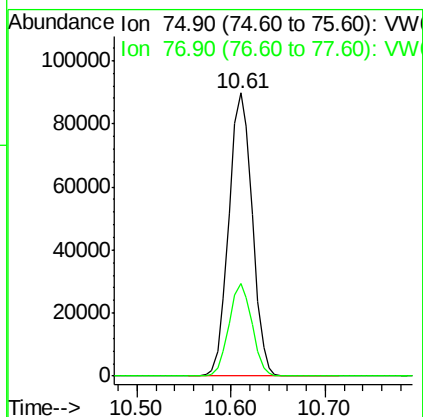
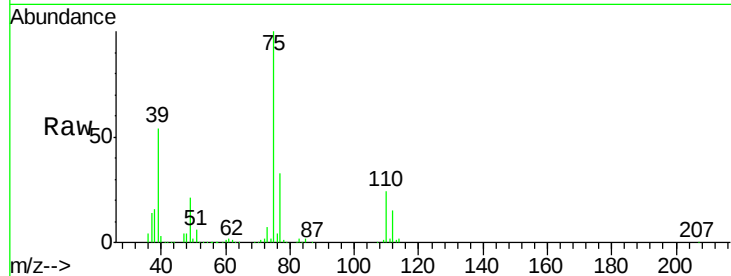
WP021SB487-13-15-180621MSD

Tgt Ion: 75 Resp: 154927

Ion Ratio Lower Upper

75 100

77 32.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 54.678 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

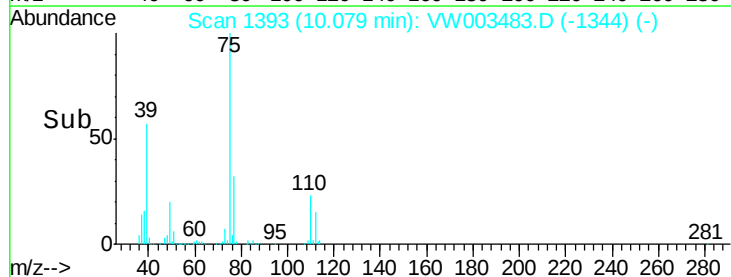
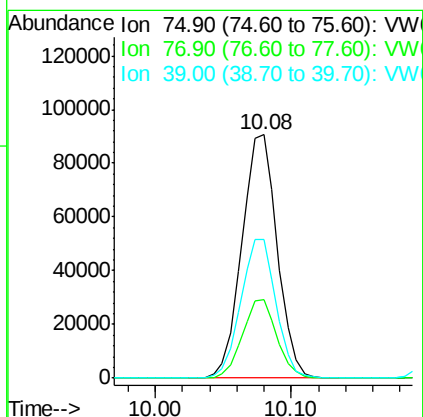
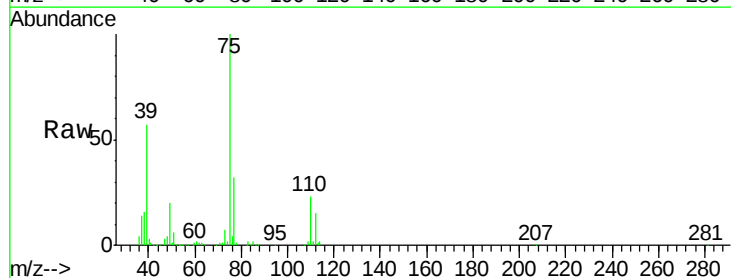
Tgt Ion: 75 Resp: 164472

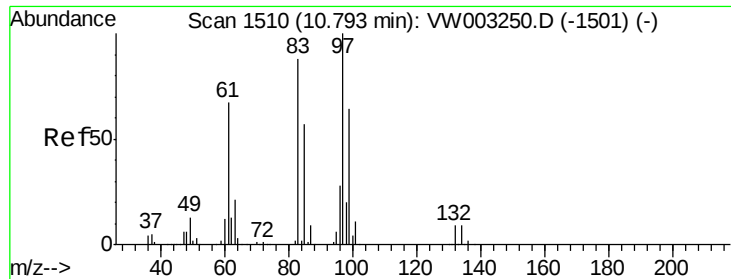
Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

39 57.1 45.2 67.8

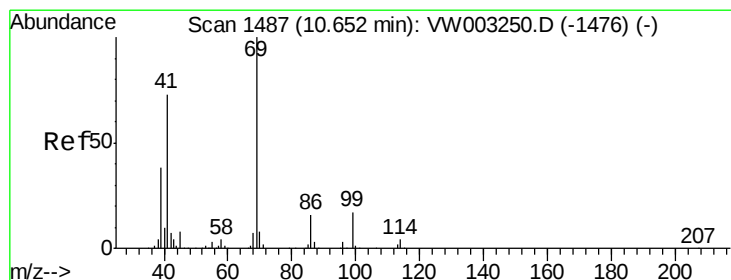
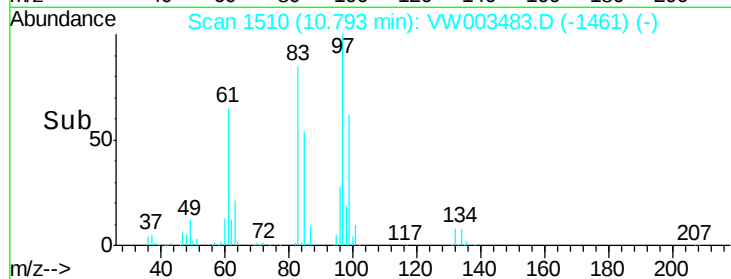
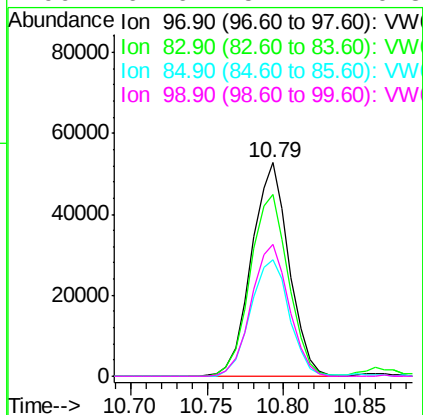
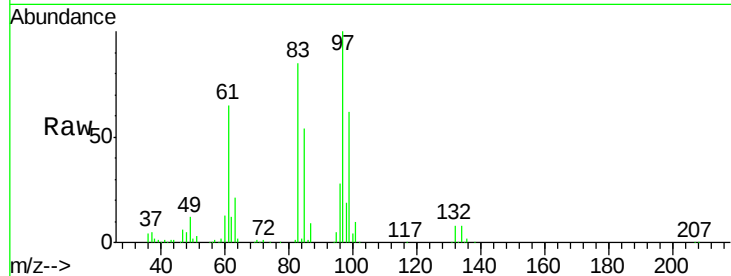




#55
 1,1,2-Trichloroethane
 Concen: 63.207 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

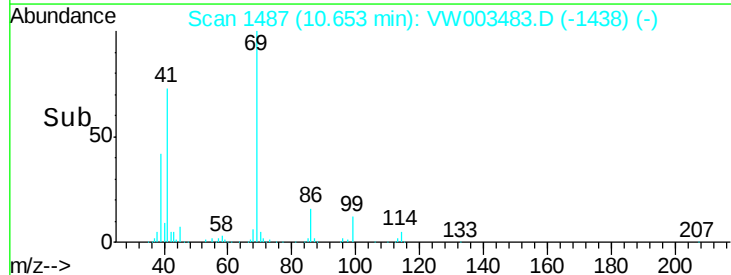
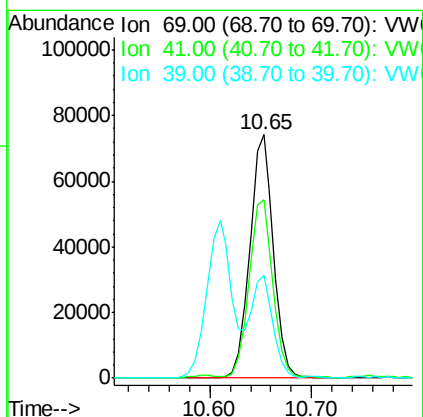
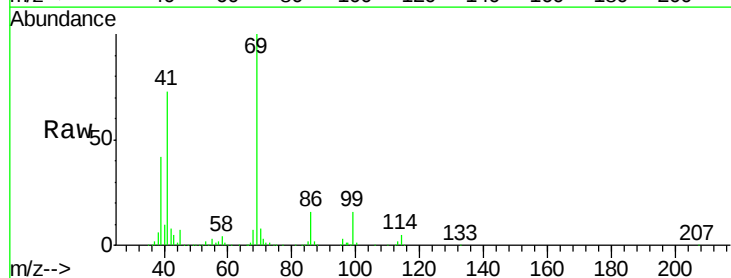
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

Tgt Ion:	97	Resp:	89900
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.2	105.2
85	54.4	45.6	68.4
99	61.6	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 69.175 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion:	69	Resp:	119474
Ion	Ratio	Lower	Upper
69	100		
41	73.3	57.8	86.6
39	37.8	32.7	49.1

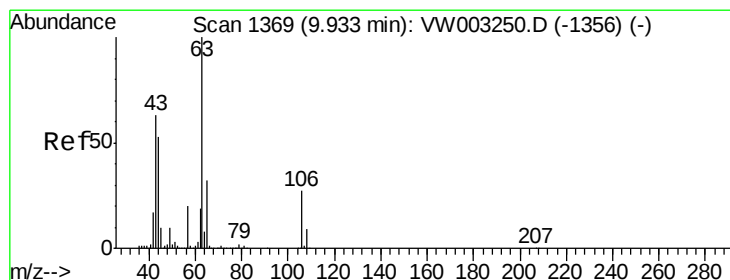
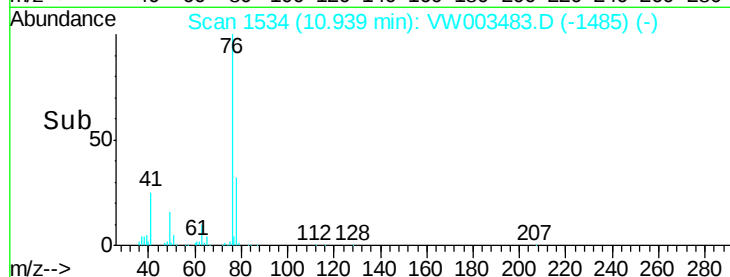
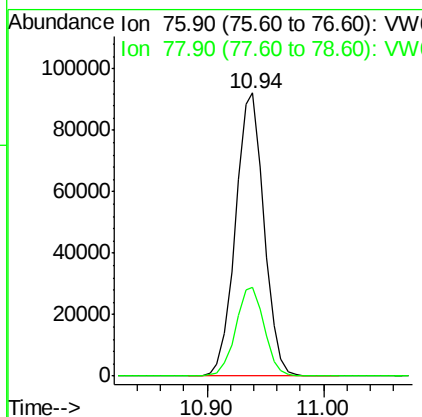
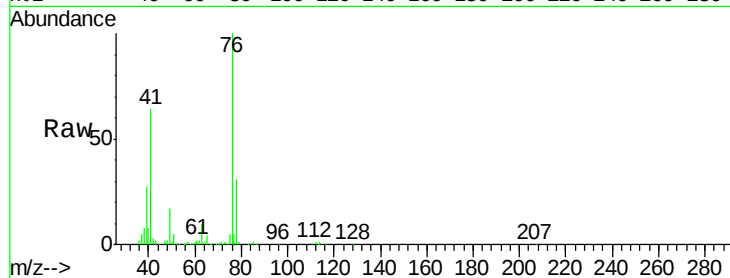




#57
 1,3-Dichloropropane
 Concen: 63.732 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

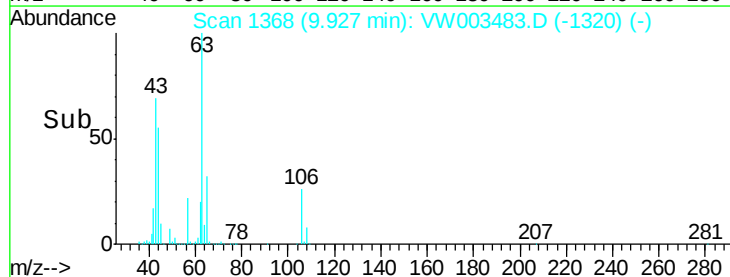
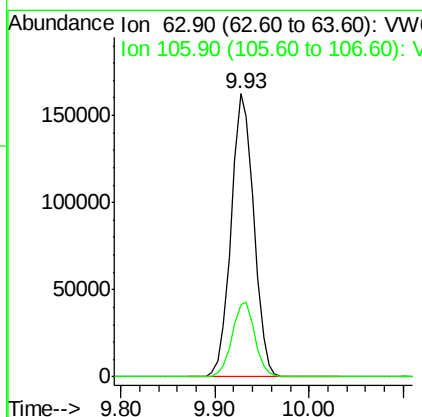
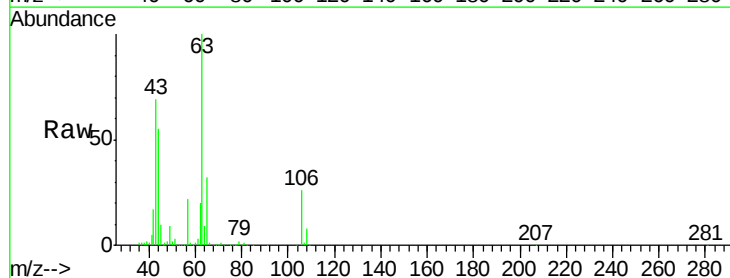
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

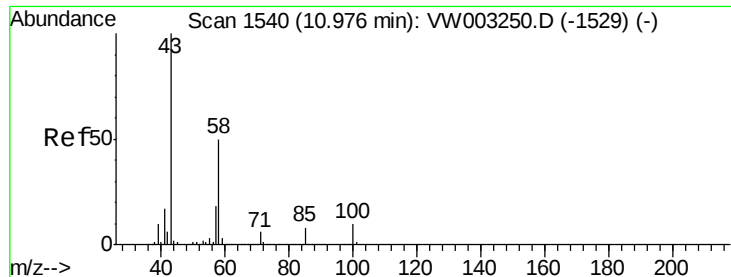
Tgt Ion: 76 Resp: 156337
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 349.696 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion: 63 Resp: 270750
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.8 32.8

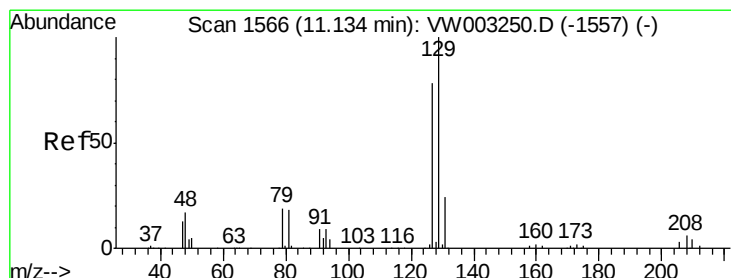
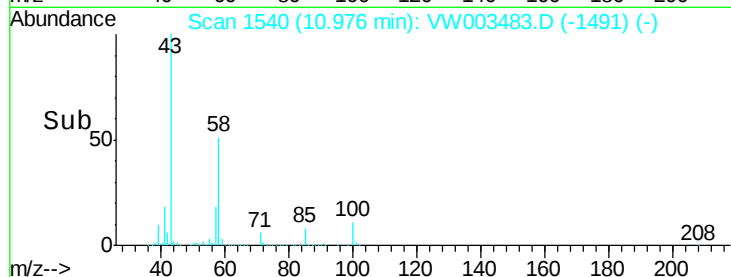
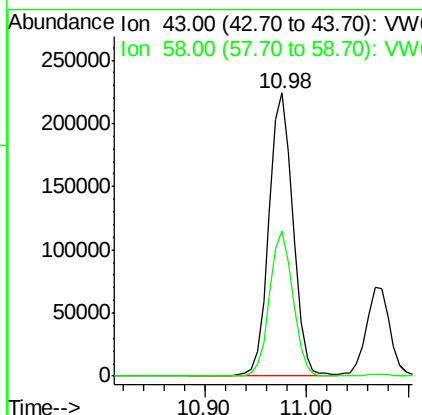
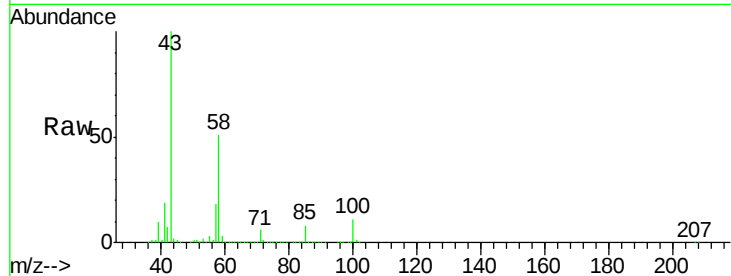




#59
2-Hexanone
Concen: 442.397 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

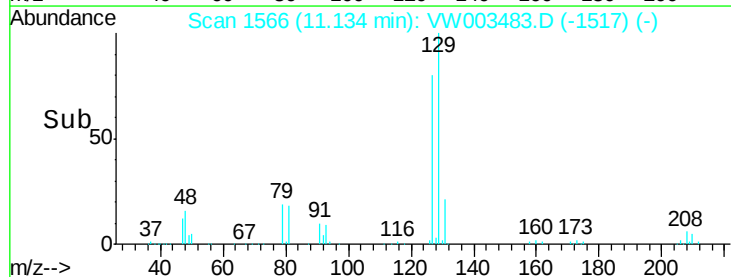
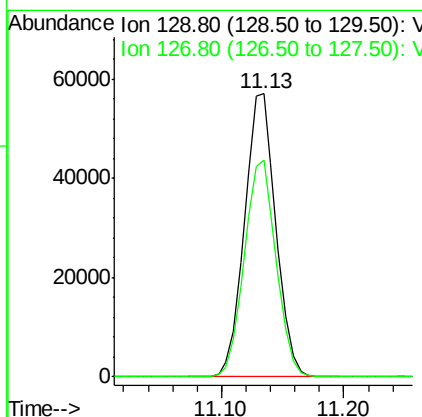
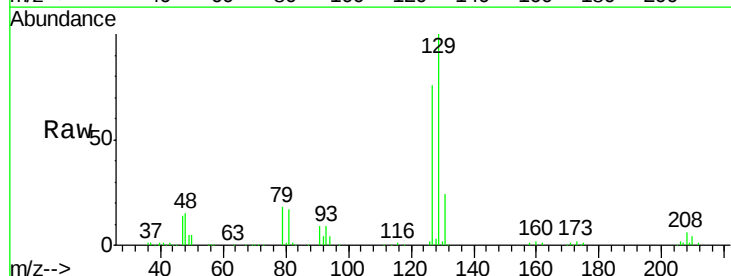
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

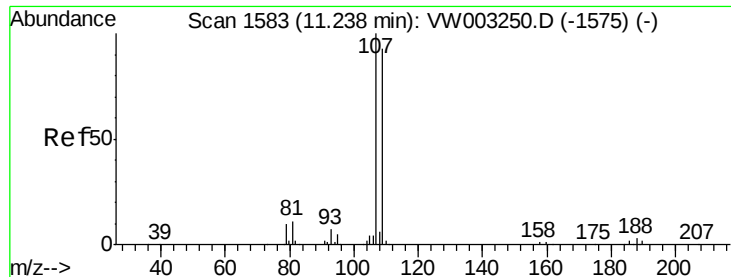
Tgt Ion: 43 Resp: 363888
Ion Ratio Lower Upper
43 100
58 50.1 25.0 75.0



#60
Dibromochloromethane
Concen: 59.898 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion: 129 Resp: 101313
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.5





#61

1,2-Dibromoethane

Concen: 65.861 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

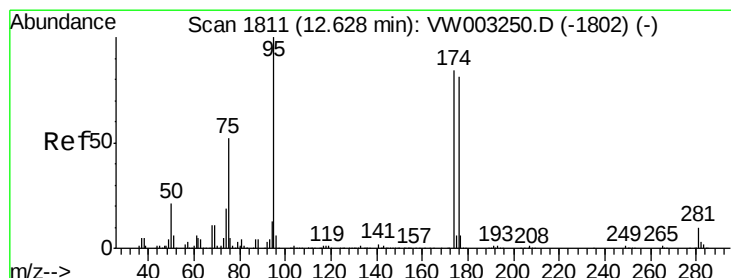
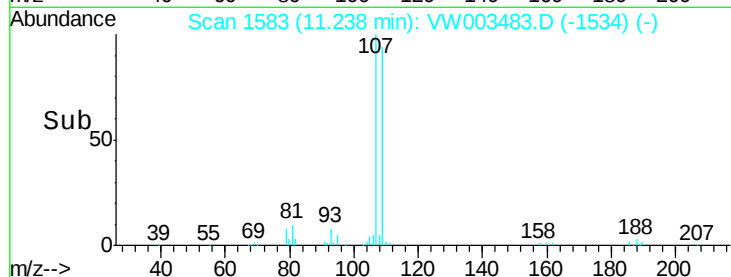
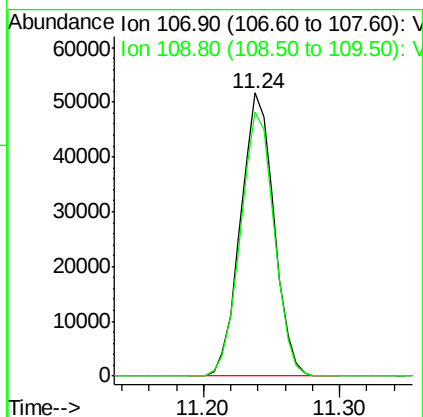
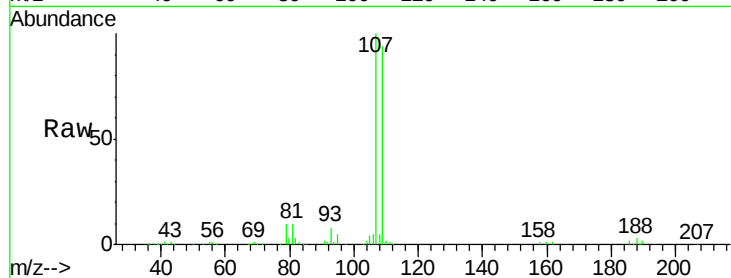
WP021SB487-13-15-180621MSD

Tgt Ion: 107 Resp: 88607

Ion Ratio Lower Upper

107 100

109 94.7 75.8 113.6



#62

4-Bromofluorobenzene

Concen: 55.017 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

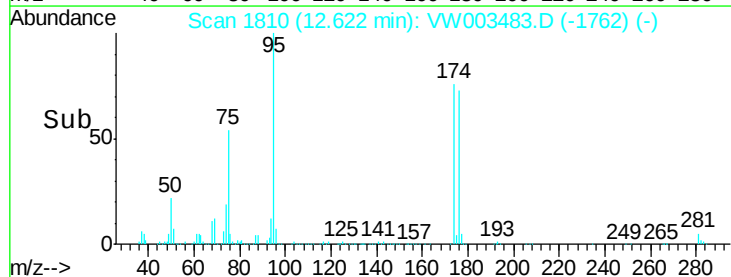
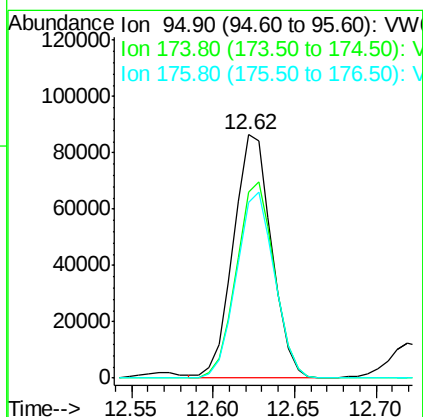
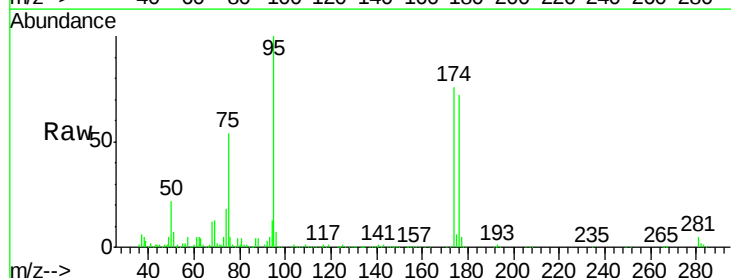
Tgt Ion: 95 Resp: 139534

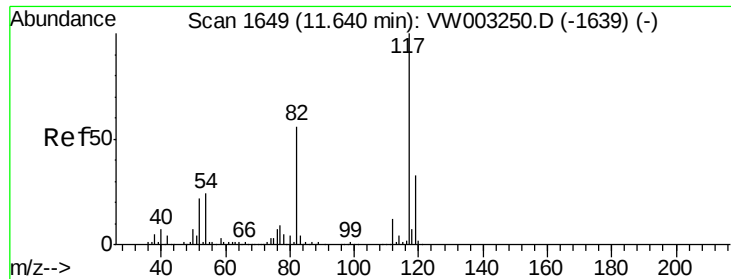
Ion Ratio Lower Upper

95 100

174 80.5 0.0 166.4

176 76.9 0.0 162.0

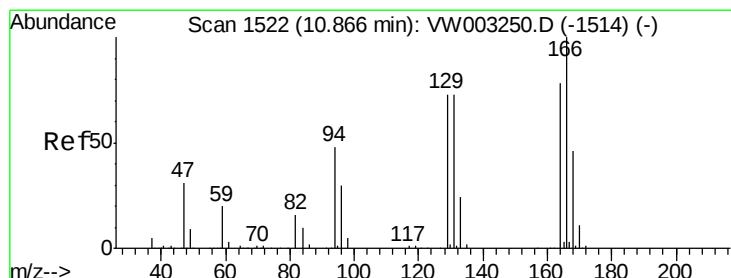
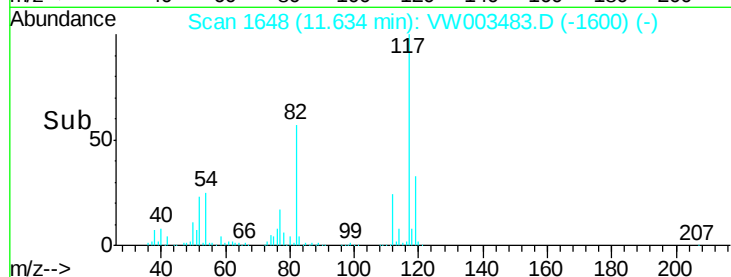
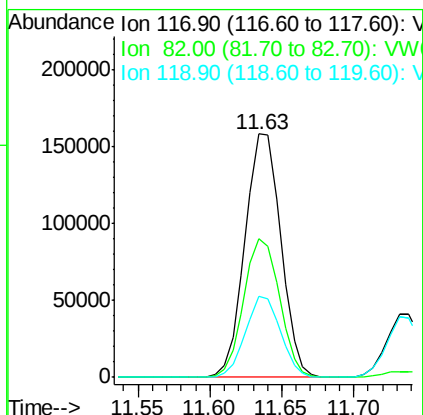
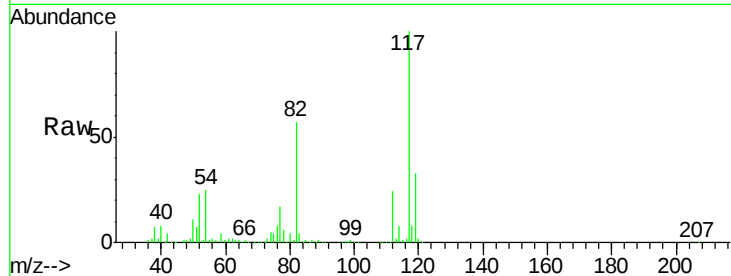




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

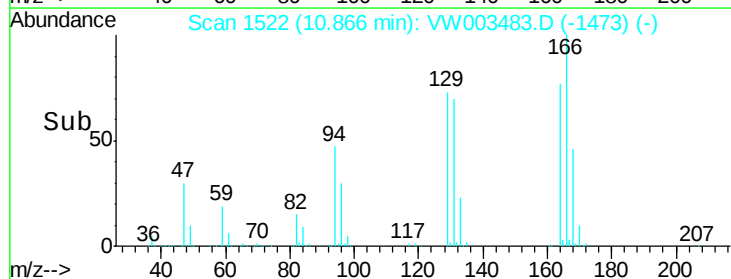
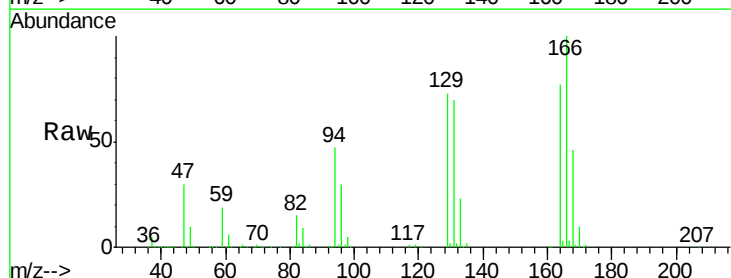
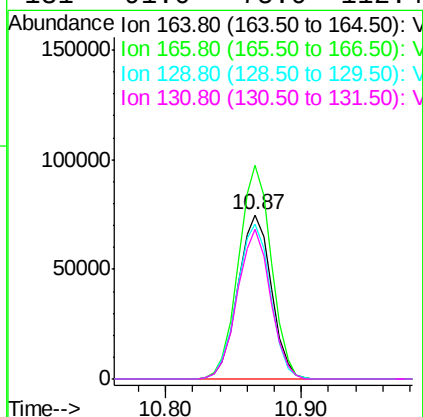
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

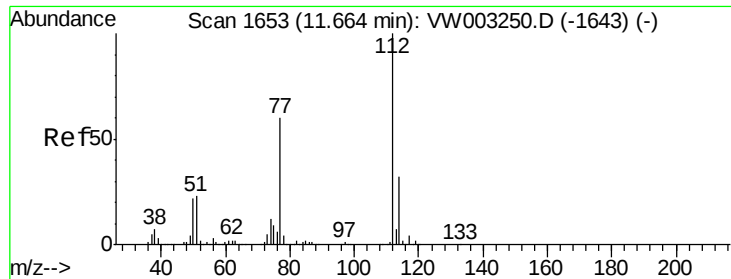
Tgt Ion:117 Resp: 272939
Ion Ratio Lower Upper
117 100
82 57.0 44.6 67.0
119 33.1 26.7 40.1



#64
Tetrachloroethene
Concen: 70.217 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion:164 Resp: 128185
Ion Ratio Lower Upper
164 100
166 129.9 102.6 154.0
129 94.3 75.2 112.8
131 91.0 75.0 112.4





#65

Chlorobenzene

Concen: 301.348 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

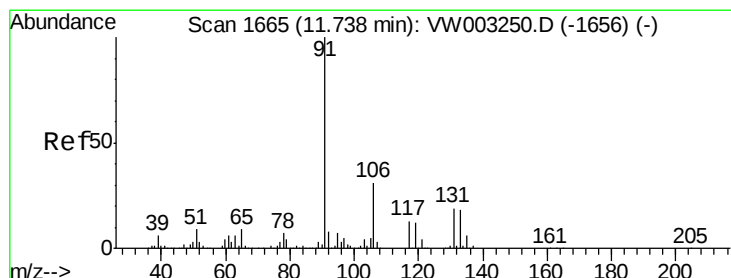
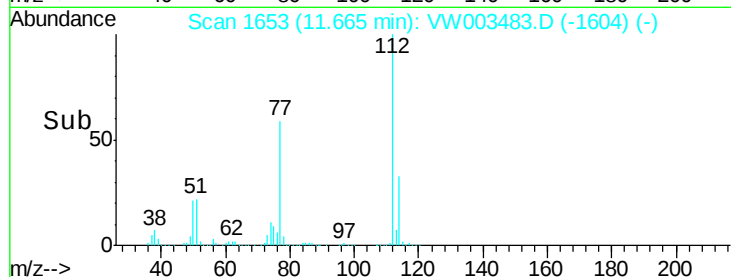
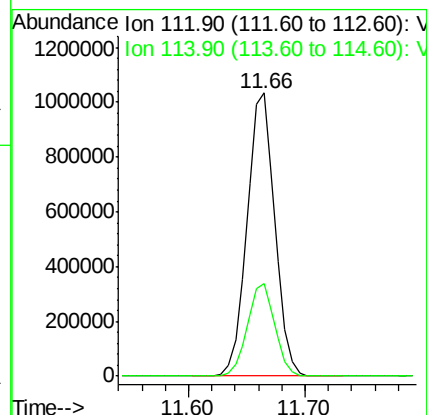
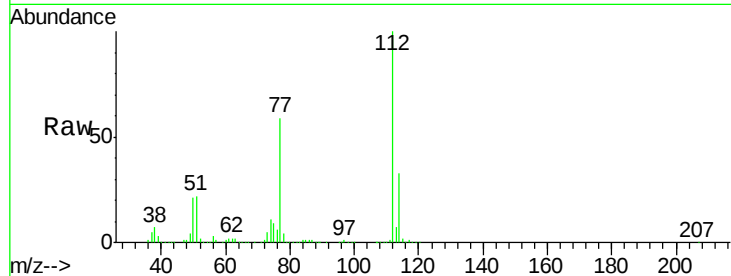
WP021SB487-13-15-180621MSD

Tgt Ion:112 Resp: 1712780

Ion Ratio Lower Upper

112 100

114 32.6 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 51.980 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

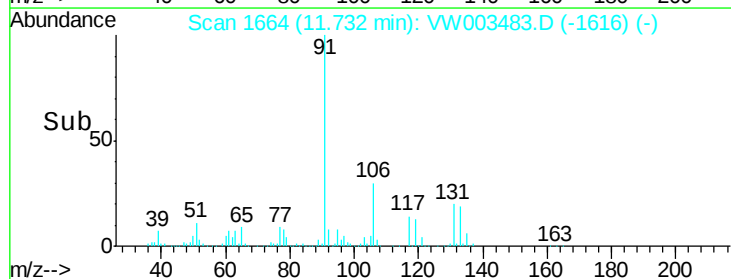
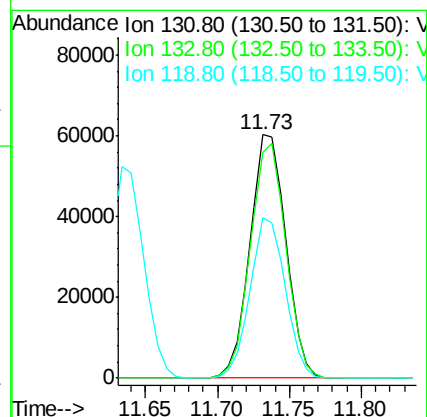
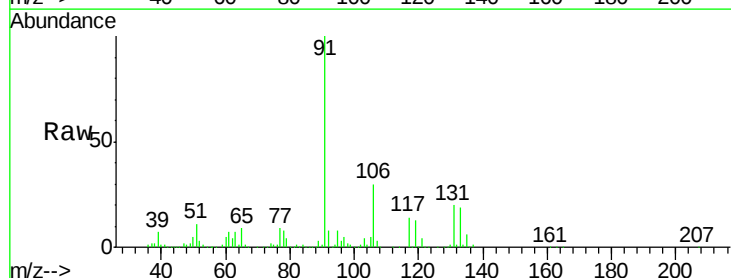
Tgt Ion:131 Resp: 103823

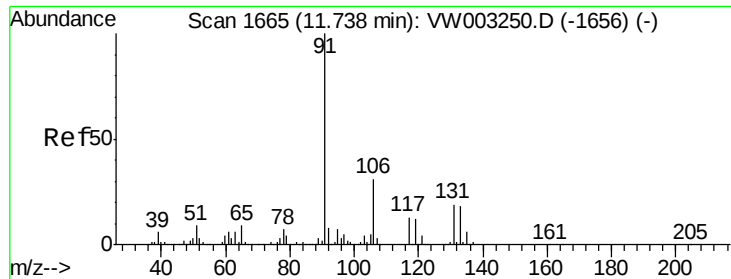
Ion Ratio Lower Upper

131 100

133 95.4 47.3 142.0

119 64.6 32.5 97.4

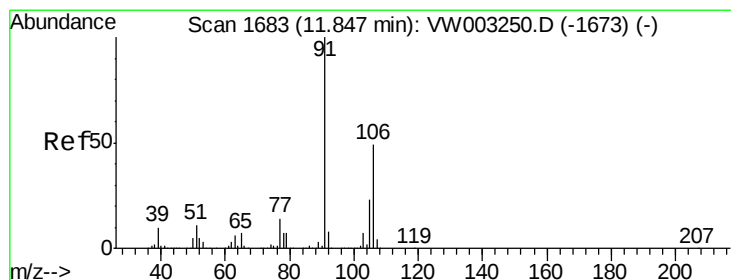
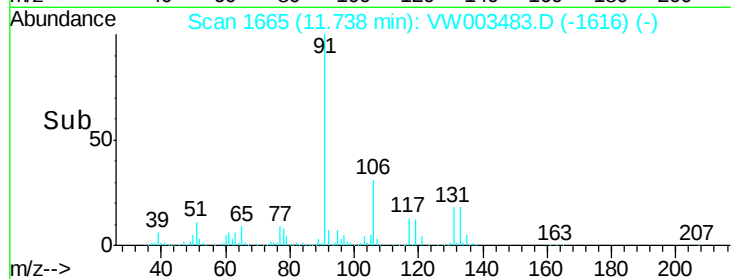
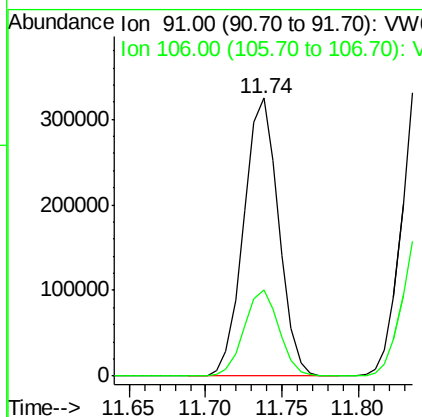
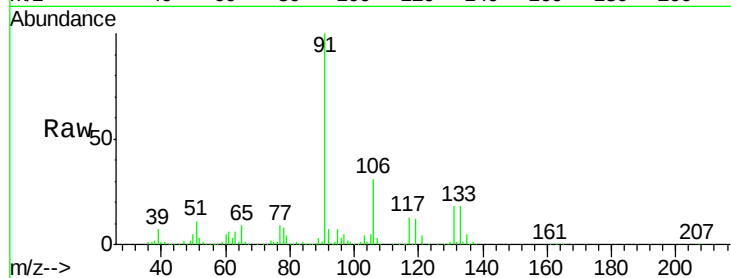




#67
Ethyl Benzene
Concen: 51.227 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

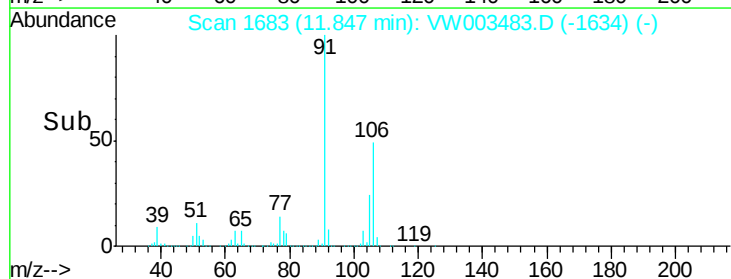
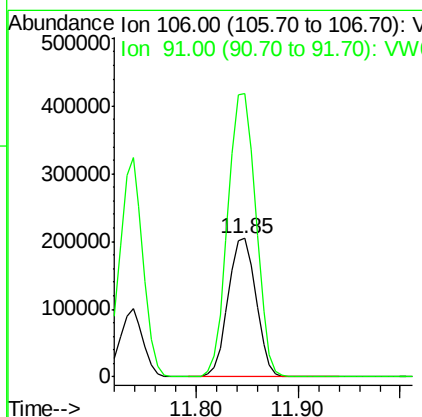
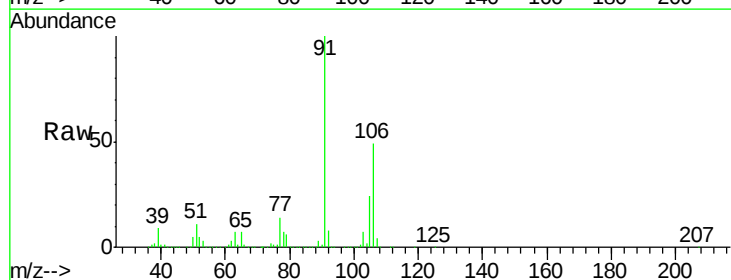
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

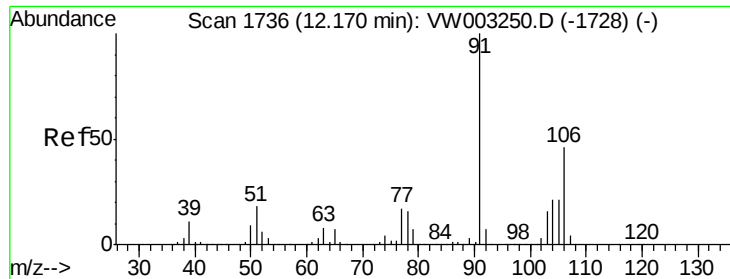
Tgt Ion: 91 Resp: 516119
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1



#68
m/p-Xylenes
Concen: 101.134 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion: 106 Resp: 387336
Ion Ratio Lower Upper
106 100
91 206.4 165.4 248.0

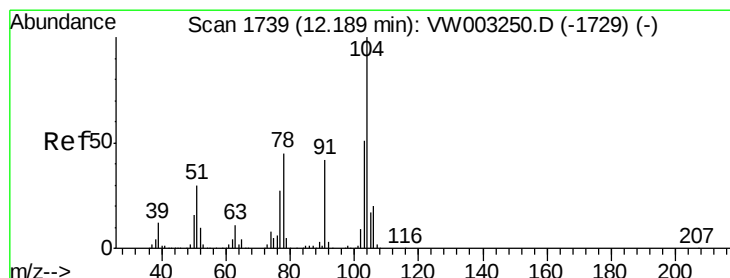
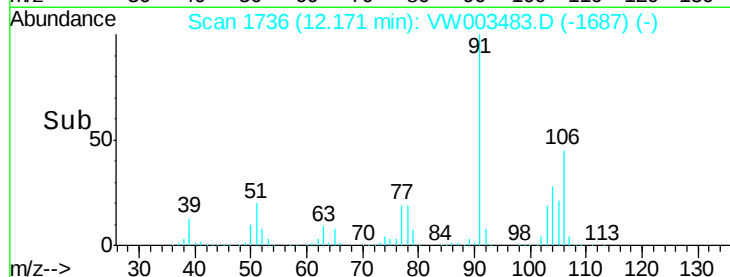
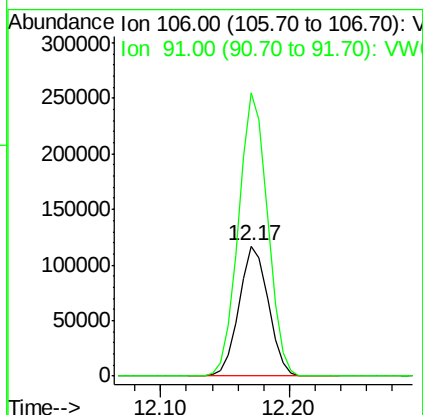
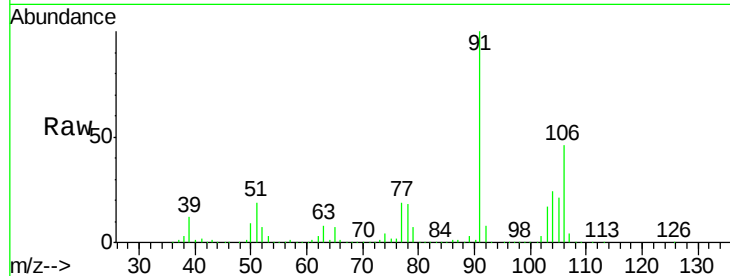




#69
o-Xylene
Concen: 51.880 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

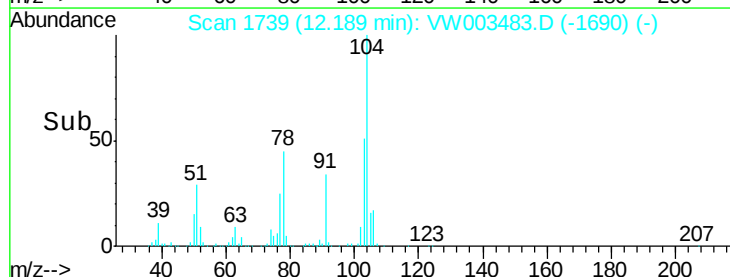
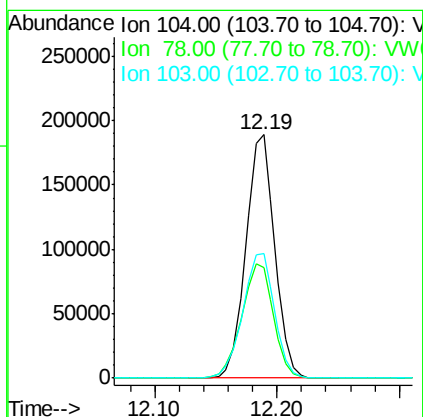
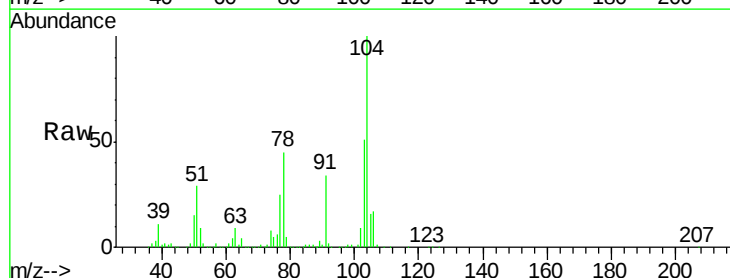
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

Tgt Ion:106 Resp: 184147
Ion Ratio Lower Upper
106 100
91 216.5 108.6 325.6



#70
Styrene
Concen: 52.512 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion:104 Resp: 310243
Ion Ratio Lower Upper
104 100
78 51.4 41.3 61.9
103 56.2 45.0 67.4

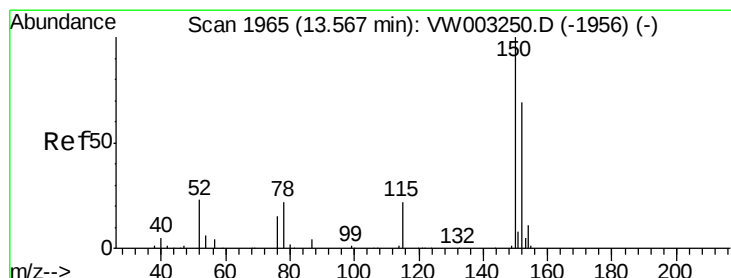
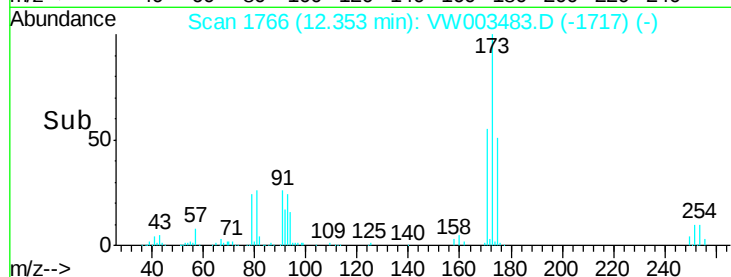
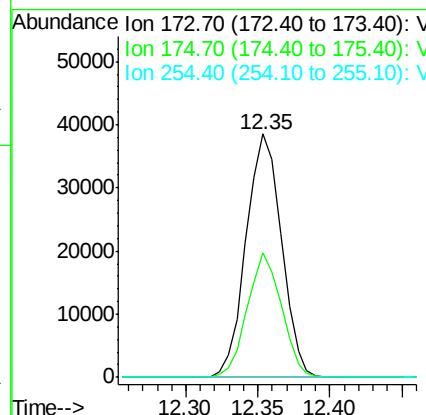
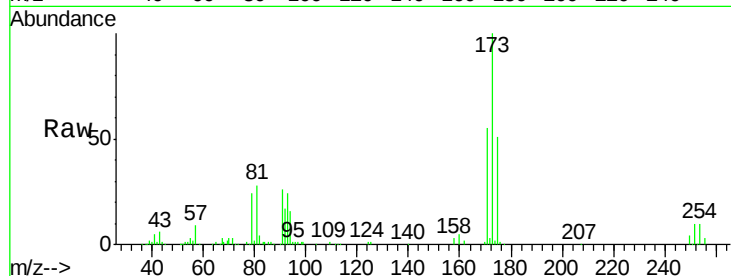




#71
Bromoform
Concen: 63.303 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

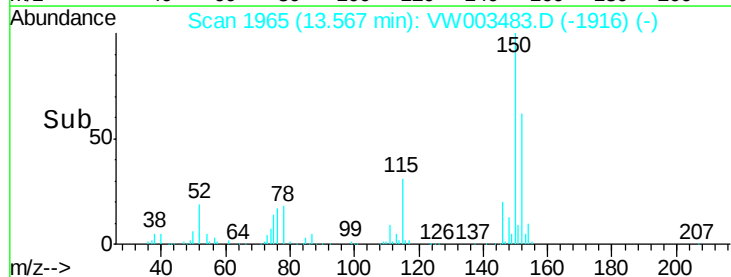
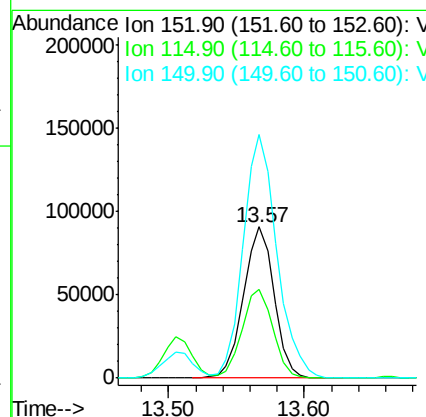
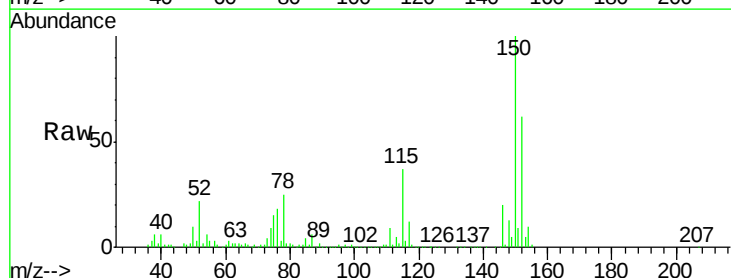
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

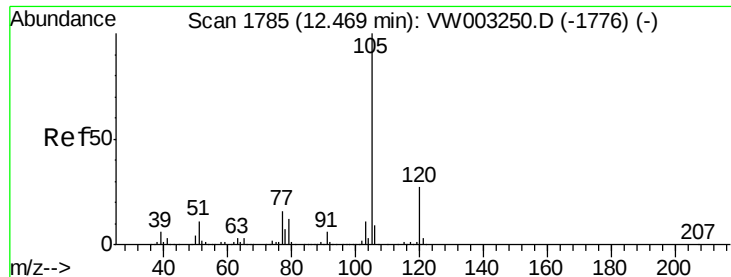
Tgt Ion:173 Resp: 65529
Ion Ratio Lower Upper
173 100
175 49.4 24.4 73.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion:152 Resp: 143119
Ion Ratio Lower Upper
152 100
115 58.7 29.3 88.0
150 176.8 0.0 349.6





#73

Isopropylbenzene

Concen: 51.330 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

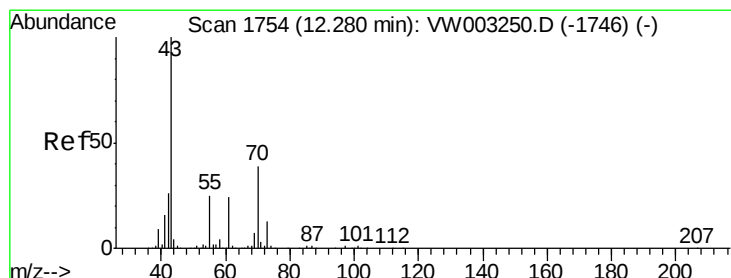
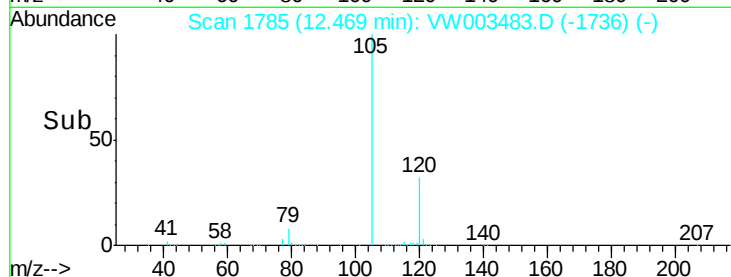
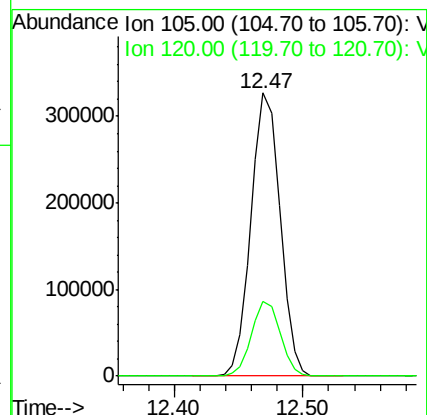
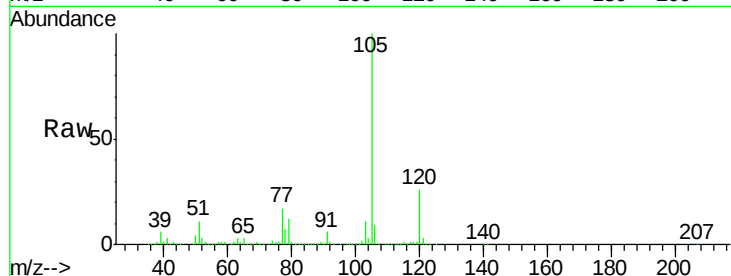
WP021SB487-13-15-180621MSD

Tgt Ion: 105 Resp: 510961

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 49.500 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Tgt Ion: 43 Resp: 112155

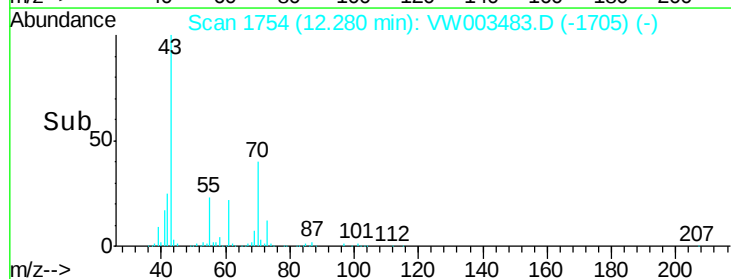
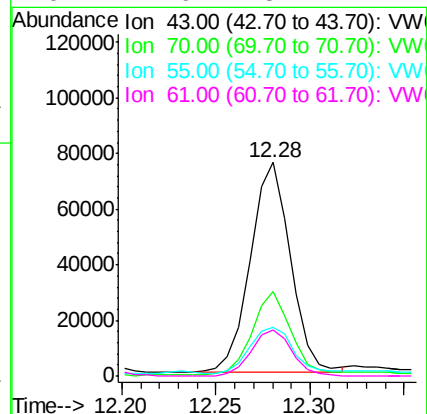
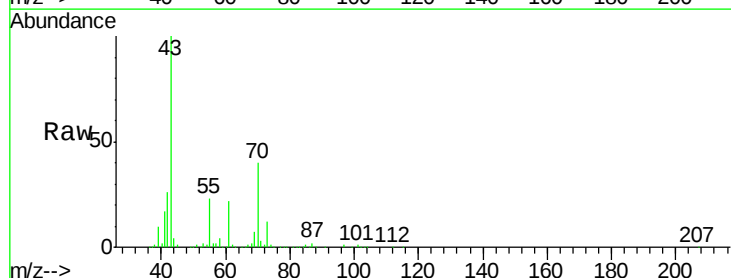
Ion Ratio Lower Upper

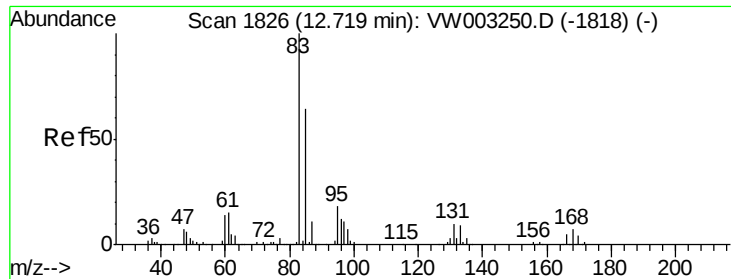
43 100

70 38.1 31.0 46.6

55 24.7 19.7 29.5

61 21.9 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 70.859 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

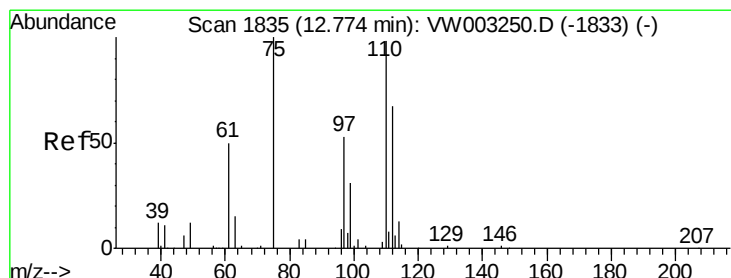
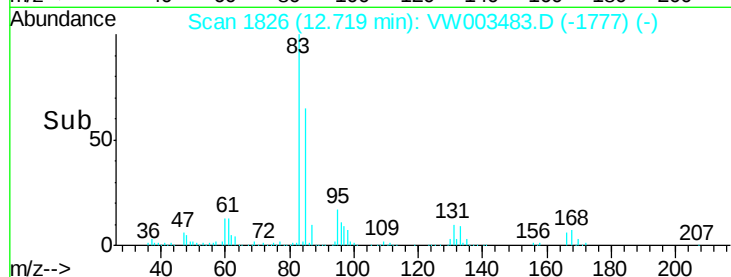
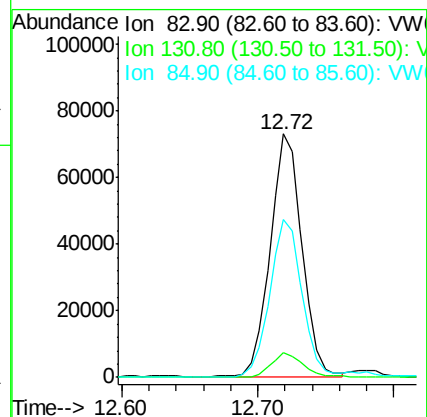
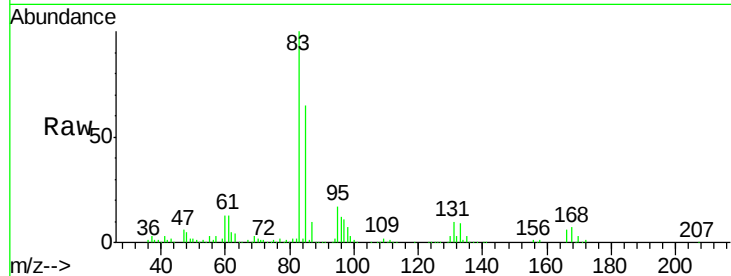
Tgt Ion: 83 Resp: 119333

Ion Ratio Lower Upper

83 100

131 10.1 5.4 16.2

85 65.9 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 128.695 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003483.D

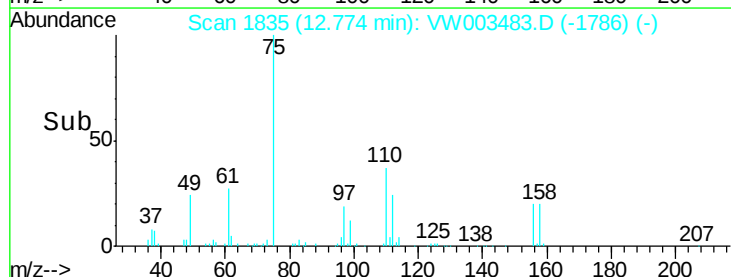
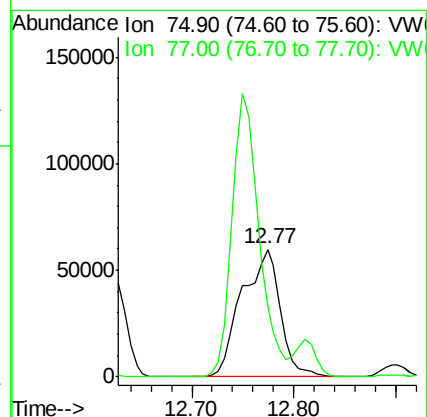
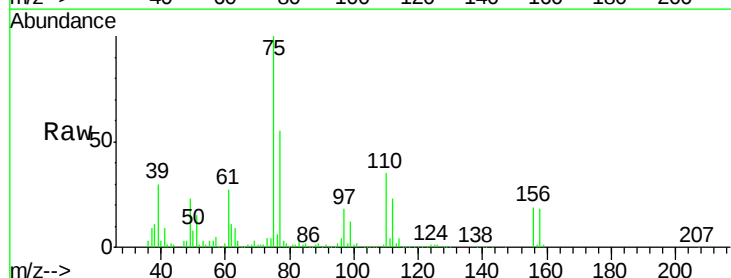
Acq: 24 Jun 2018 02:47

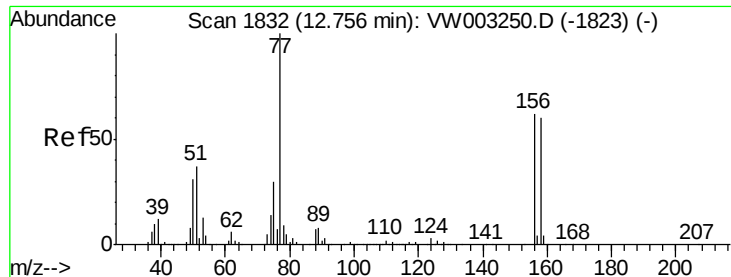
Tgt Ion: 75 Resp: 157459

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.784 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

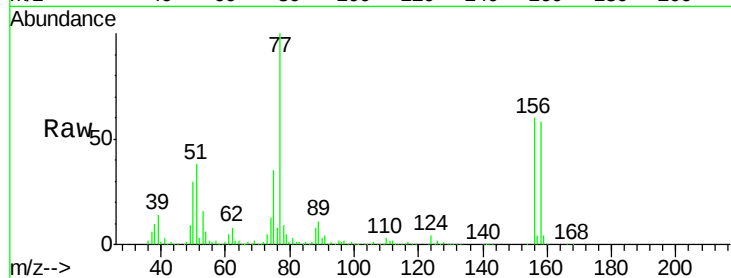
Tgt Ion:156 Resp: 122370

Ion Ratio Lower Upper

156 100

77 199.5 92.3 276.9

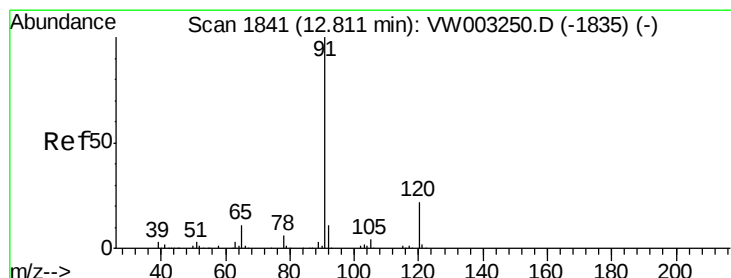
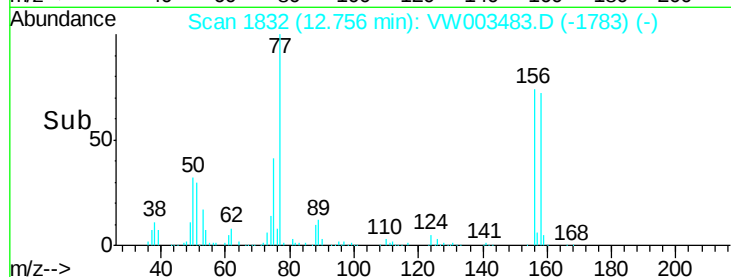
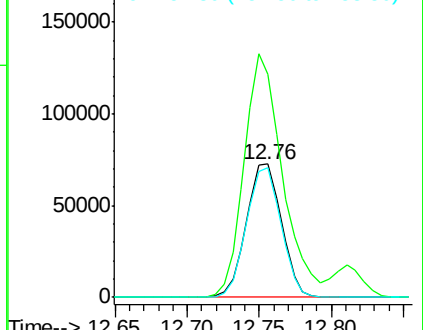
158 96.7 47.5 142.6



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: 51.102 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003483.D

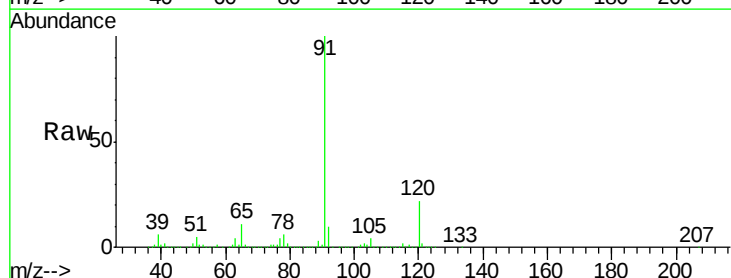
Acq: 24 Jun 2018 02:47

Tgt Ion: 91 Resp: 622893

Ion Ratio Lower Upper

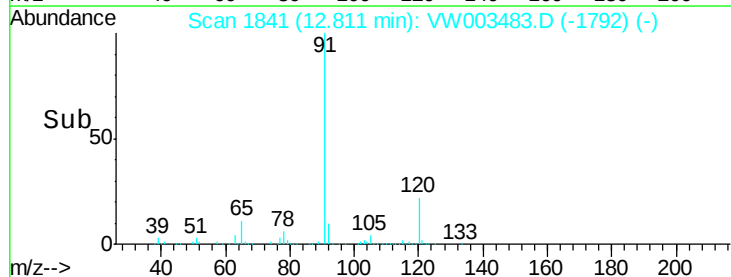
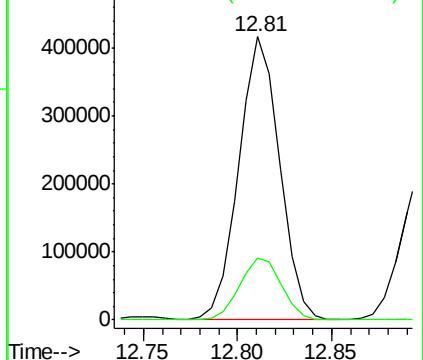
91 100

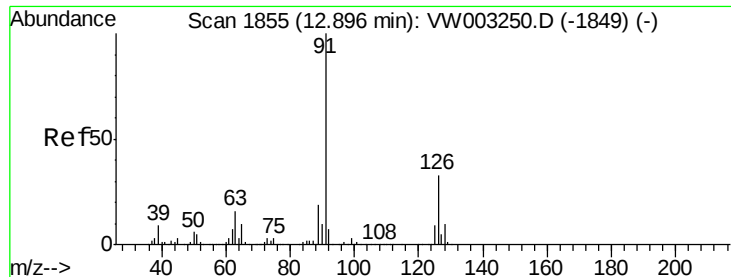
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.346 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

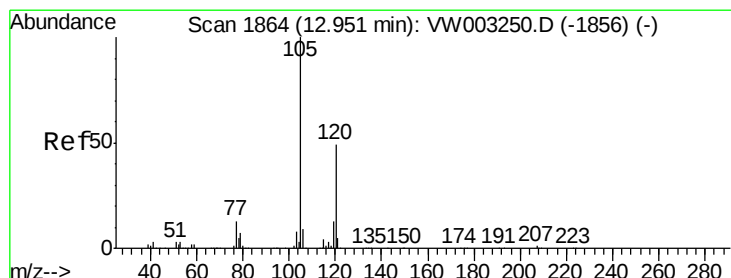
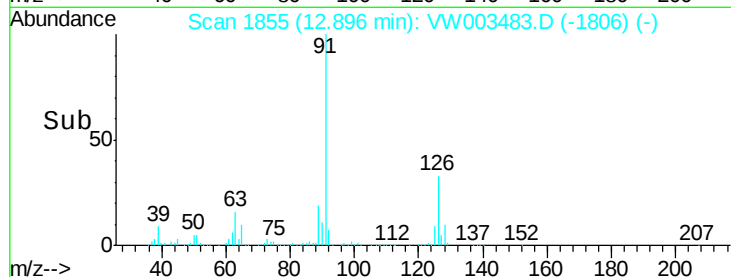
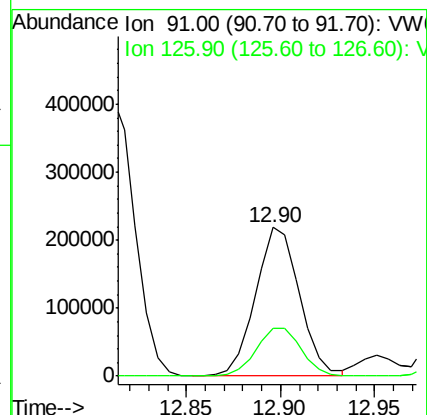
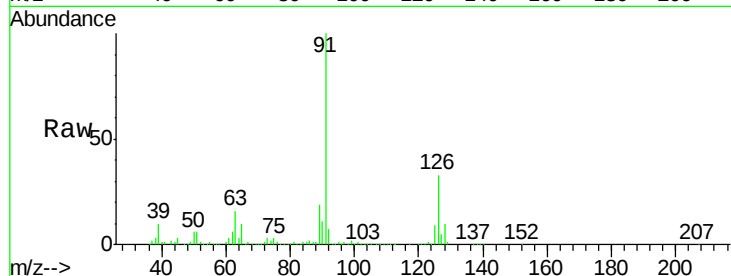
WP021SB487-13-15-180621MSD

Tgt Ion: 91 Resp: 353689

Ion Ratio Lower Upper

91 100

126 33.1 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 51.198 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003483.D

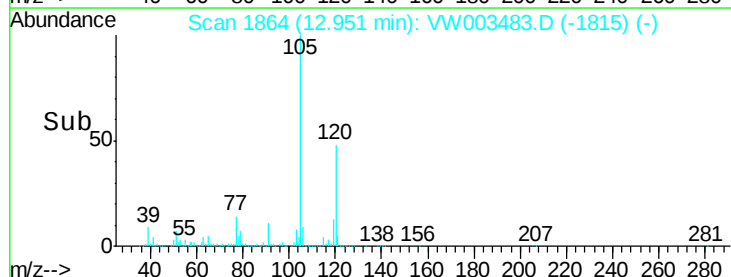
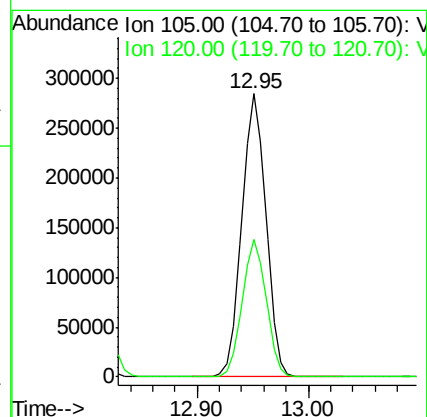
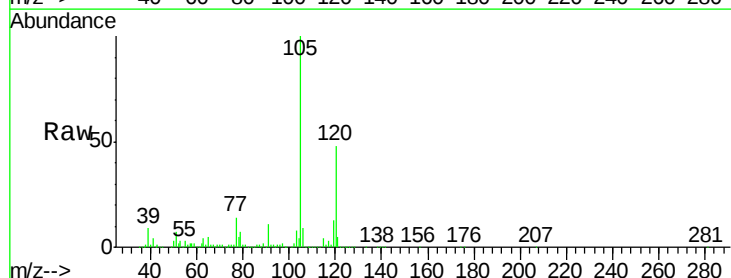
Acq: 24 Jun 2018 02:47

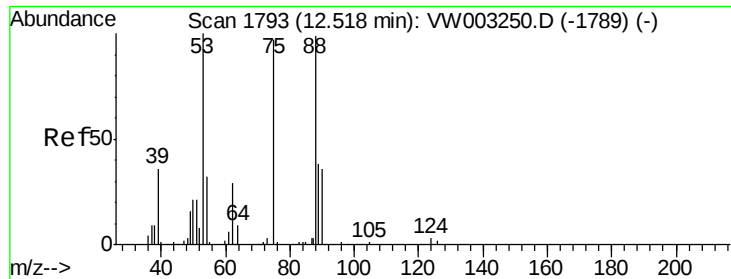
Tgt Ion: 105 Resp: 427785

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 69.374 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

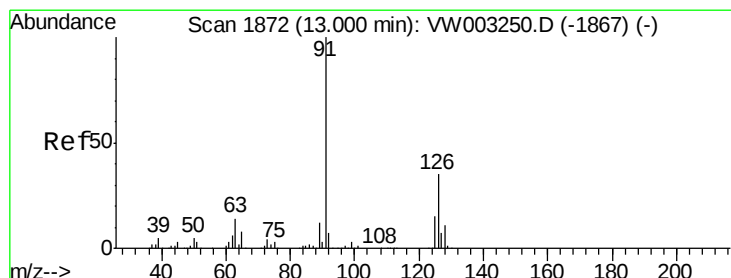
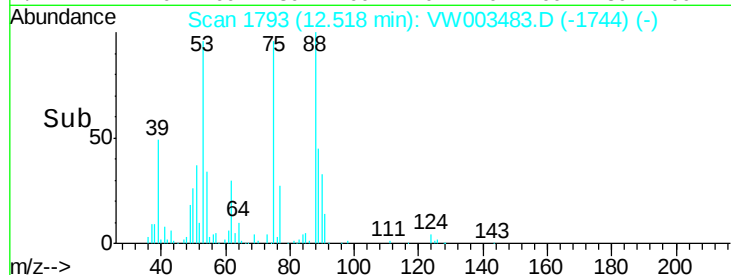
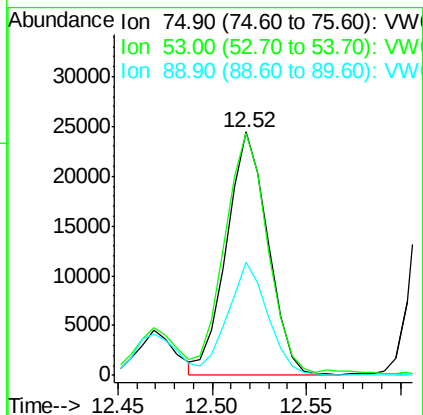
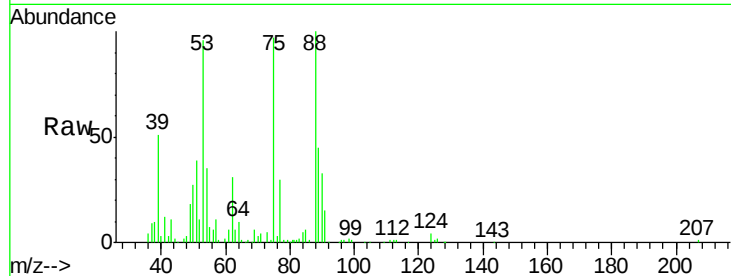
Tgt Ion: 75 Resp: 36887

Ion Ratio Lower Upper

75 100

53 103.9 82.9 124.3

89 45.2 36.7 55.1



#82

4-Chlorotoluene

Concen: 50.154 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003483.D

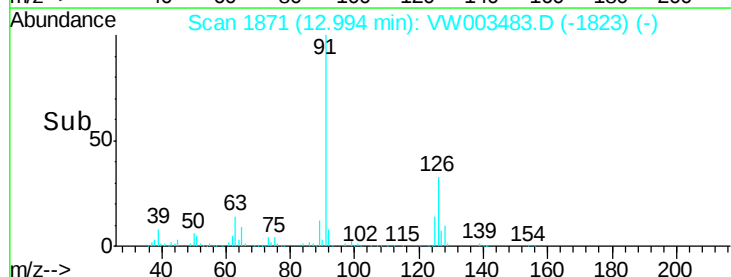
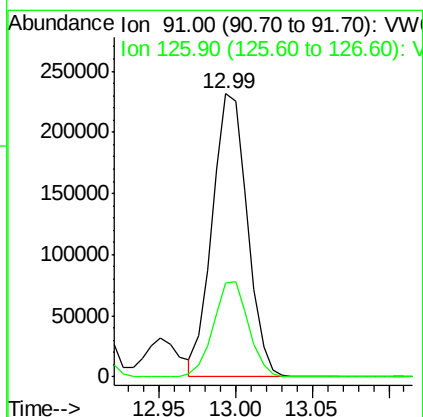
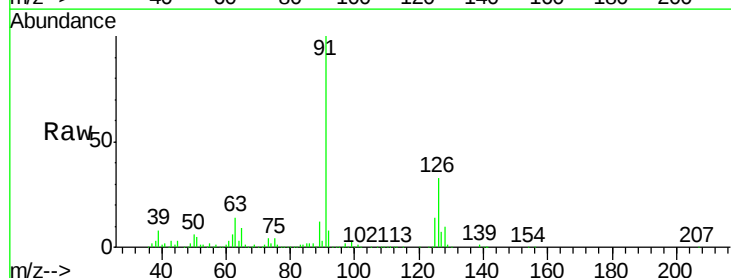
Acq: 24 Jun 2018 02:47

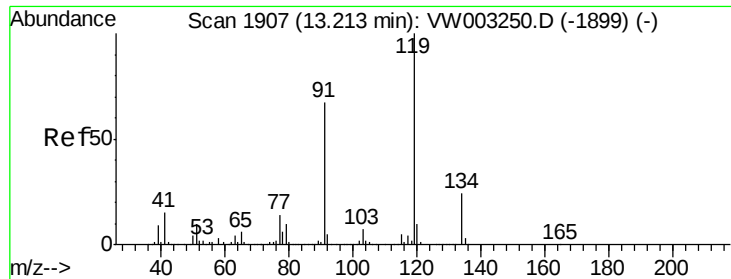
Tgt Ion: 91 Resp: 366491

Ion Ratio Lower Upper

91 100

126 33.8 16.8 50.3

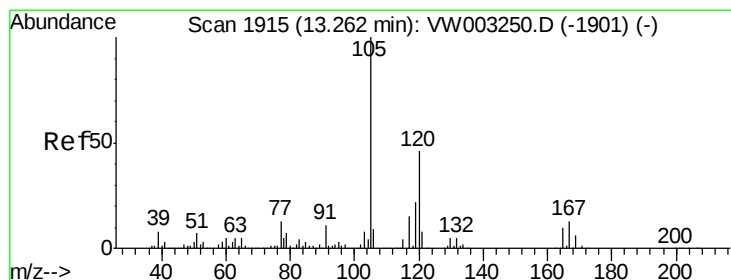
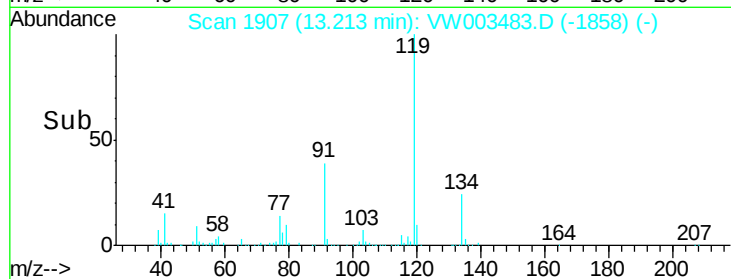
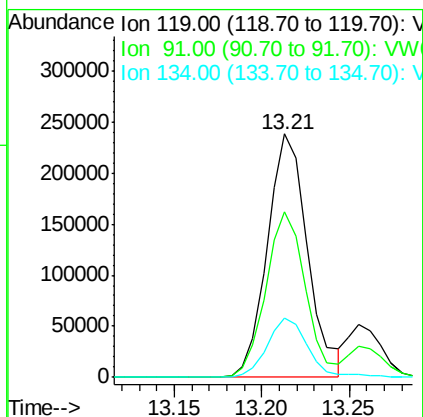
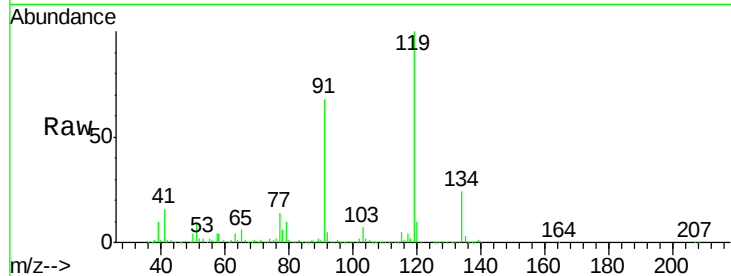




#83
 tert-Butylbenzene
 Concen: 53.700 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

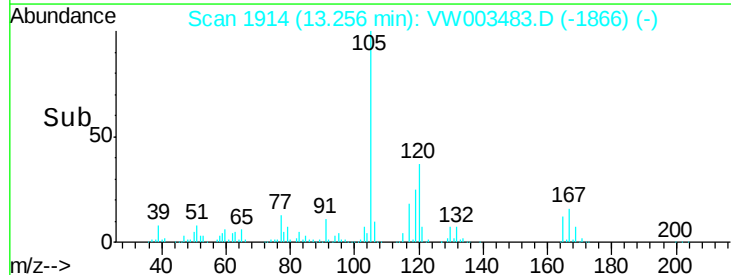
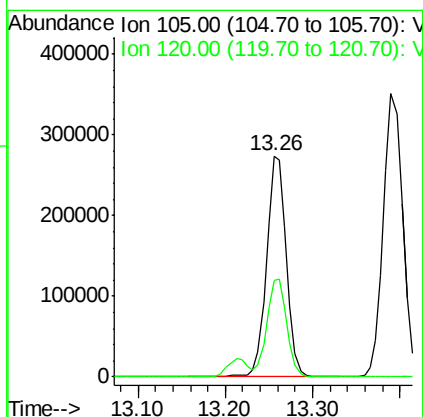
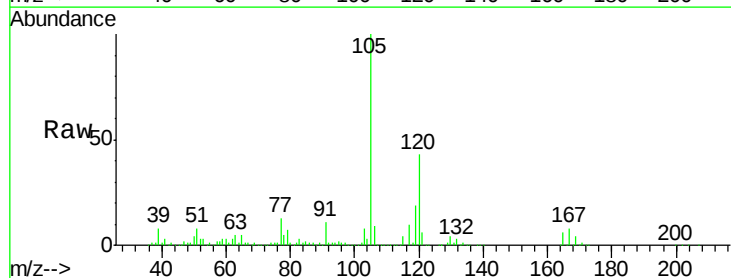
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

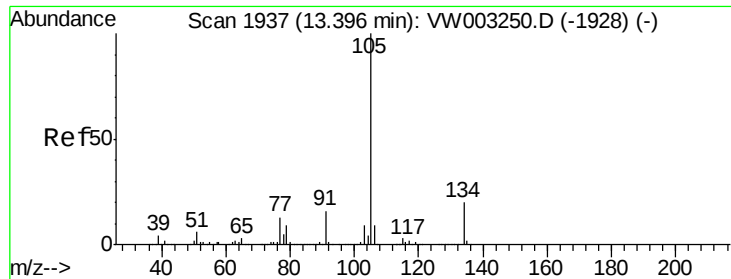
Tgt Ion:119 Resp: 382384
 Ion Ratio Lower Upper
 119 100
 91 67.0 33.9 101.7
 134 24.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.703 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion:105 Resp: 435798
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.5 67.5

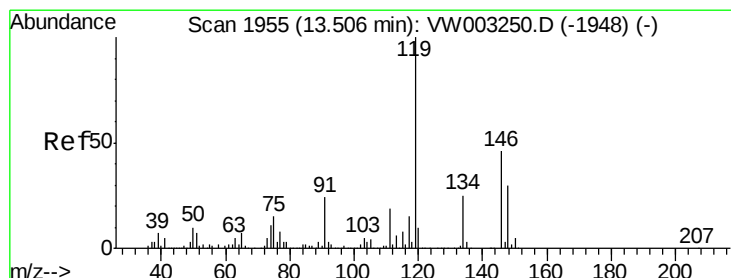
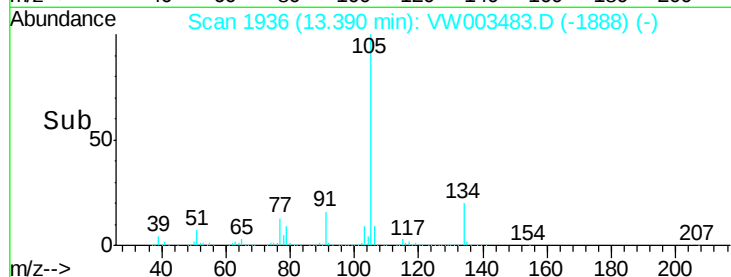
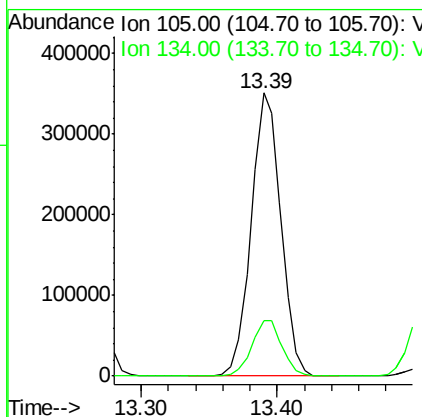
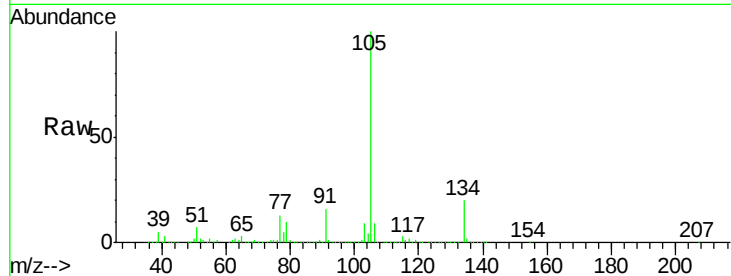




#85
 sec-Butylbenzene
 Concen: 50.733 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

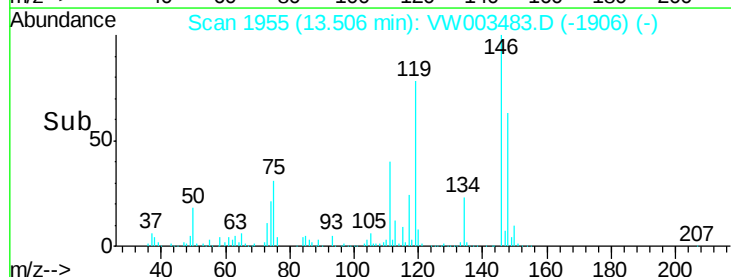
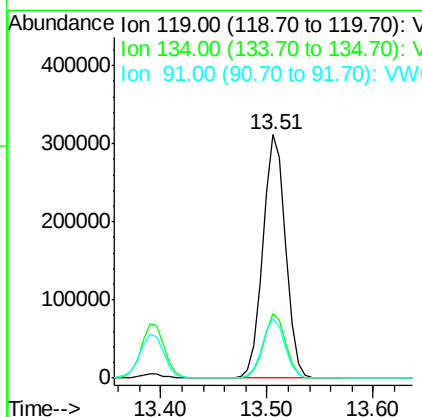
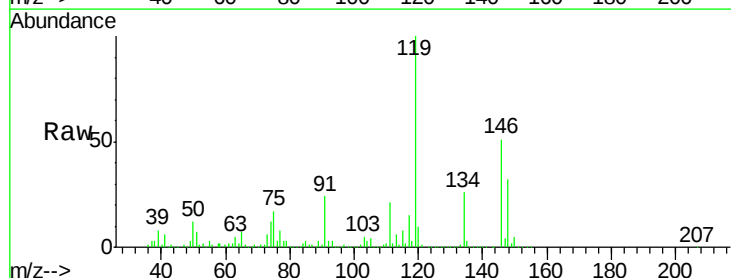
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

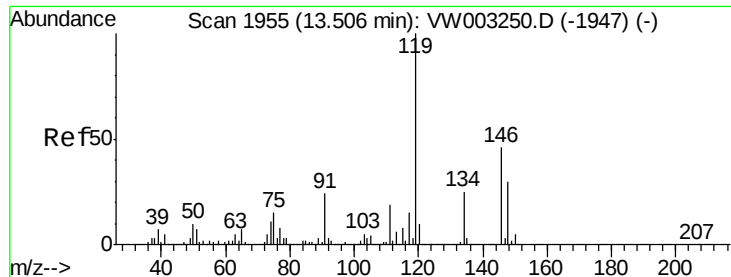
Tgt Ion:105 Resp: 536971
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 49.874 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion:119 Resp: 465591
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 24.0 11.8 35.3

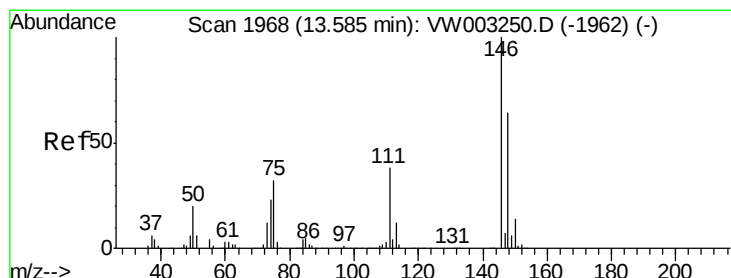
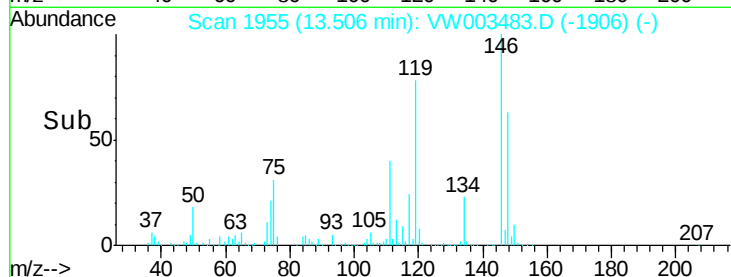
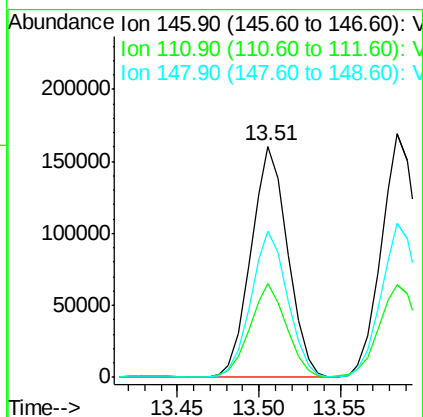
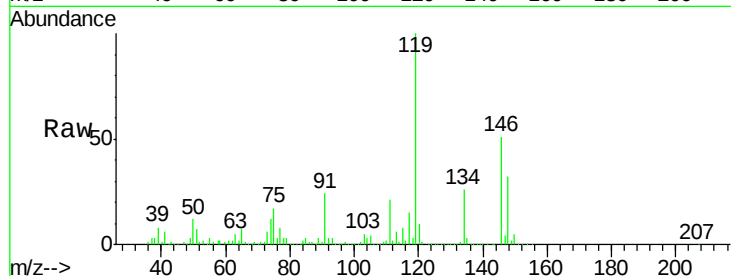




#87
 1,3-Dichlorobenzene
 Concen: 52.557 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

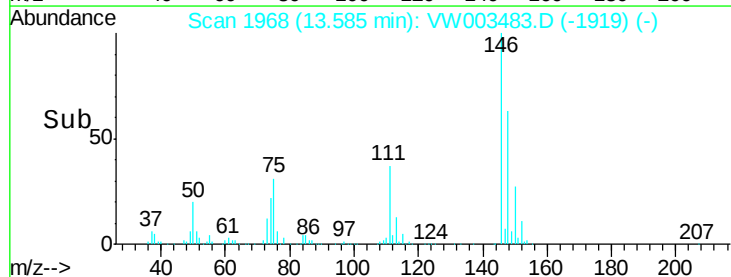
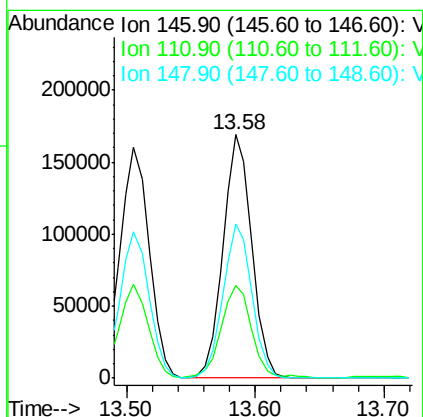
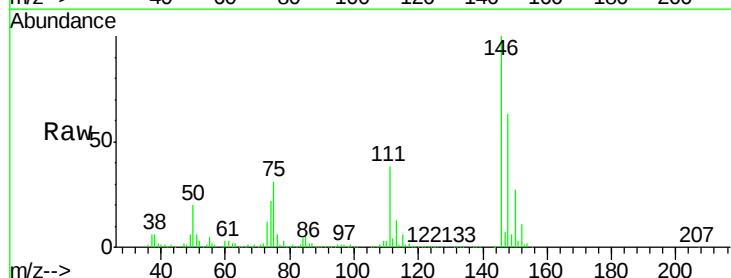
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

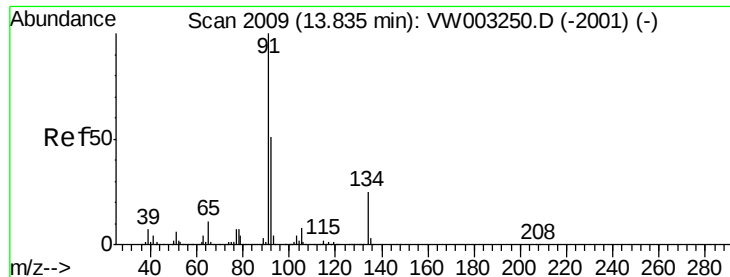
Tgt Ion:146 Resp: 250303
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.8 59.4
 148 62.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 55.613 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion:146 Resp: 263307
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.2 57.6
 148 64.0 31.8 95.4





#89

n-Butylbenzene

Concen: 48.550 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MSD

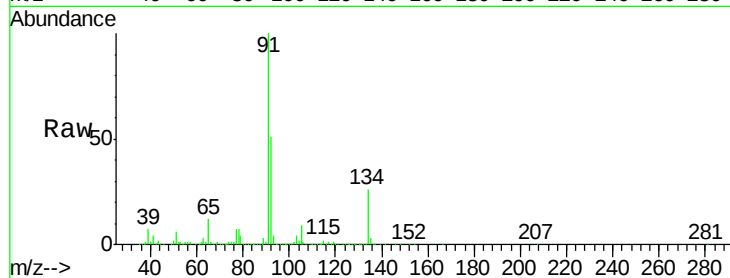
Tgt Ion: 91 Resp: 441794

Ion Ratio Lower Upper

91 100

92 51.7 26.0 78.0

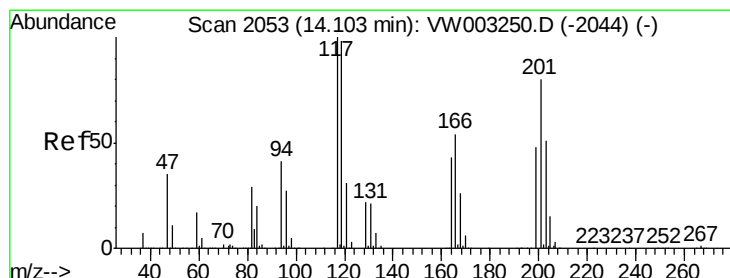
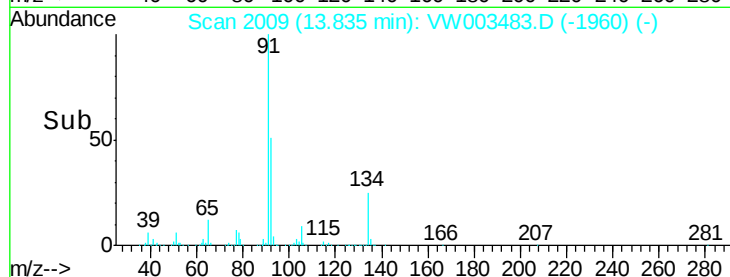
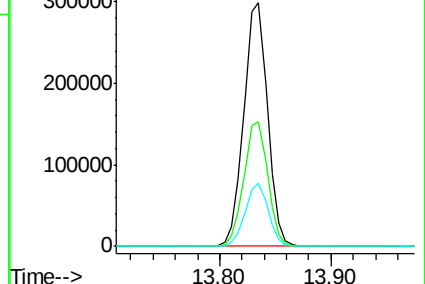
134 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.184 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003483.D

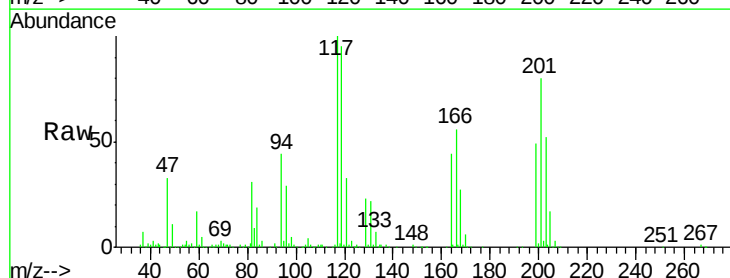
Acq: 24 Jun 2018 02:47

Tgt Ion: 117 Resp: 83060

Ion Ratio Lower Upper

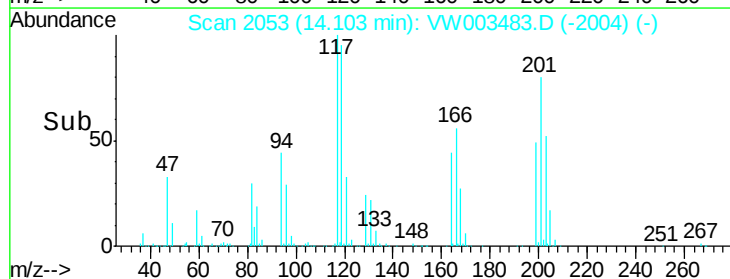
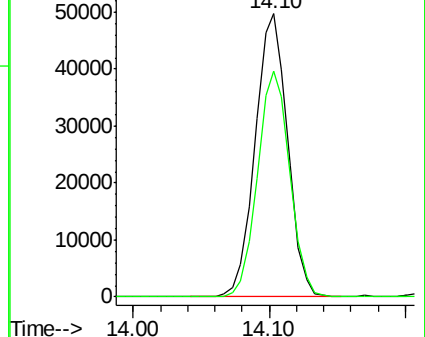
117 100

201 79.2 39.5 118.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 67.226 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003483.D

Acq: 24 Jun 2018 02:47

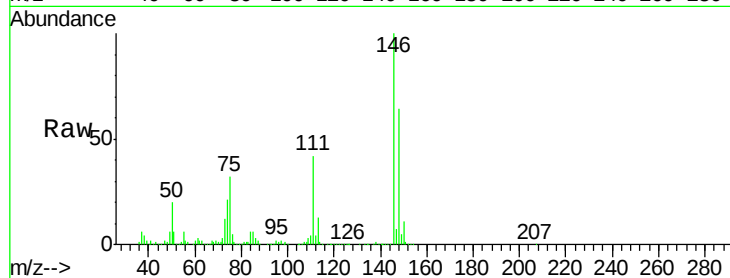
Instrument :

MSVOA_W

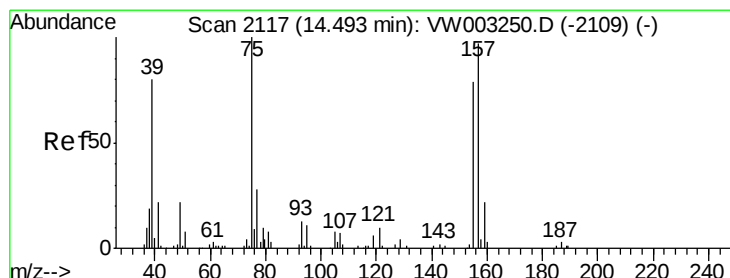
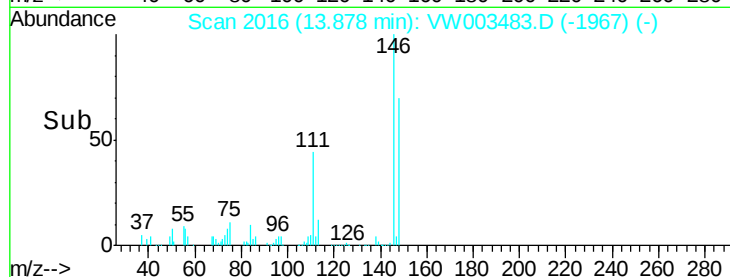
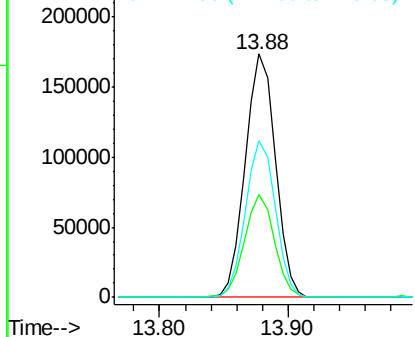
ClientSampleId :

WP021SB487-13-15-180621MSD

Tgt Ion:	146	Resp:	280450
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	64.0	32.3	96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 80.333 ug/l

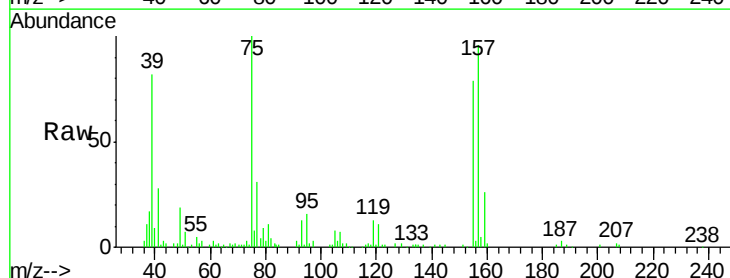
RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

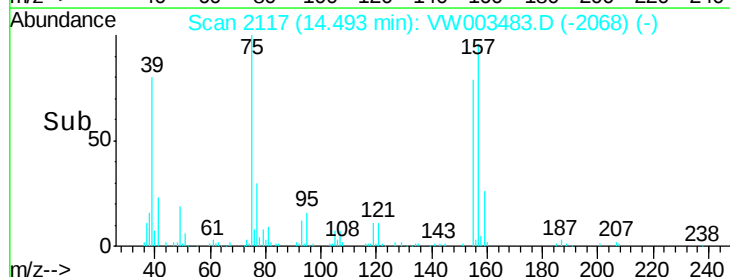
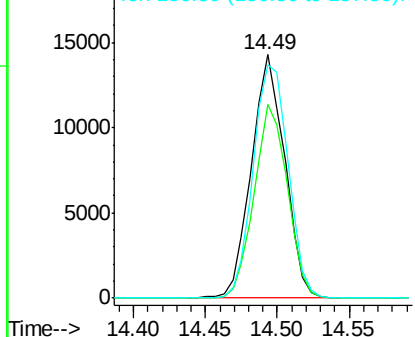
Lab File: VW003483.D

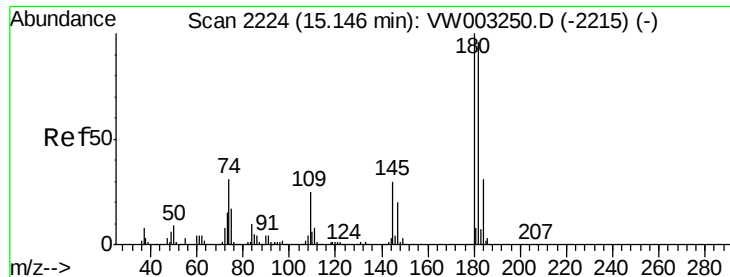
Acq: 24 Jun 2018 02:47

Tgt Ion:	75	Resp:	22767
Ion	Ratio	Lower	Upper
75	100		
155	79.5	39.4	118.2
157	100.8	51.5	154.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

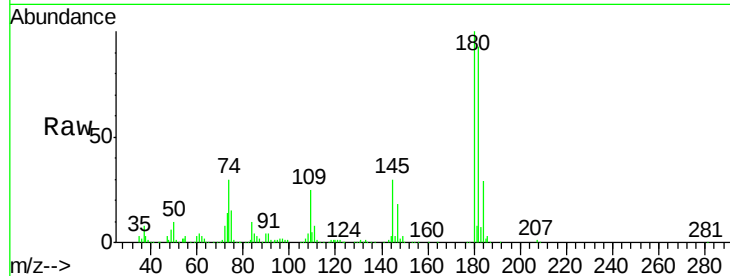




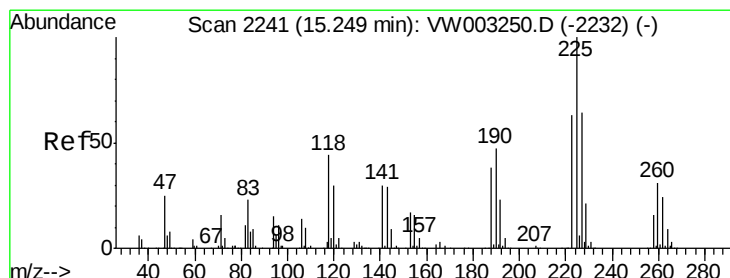
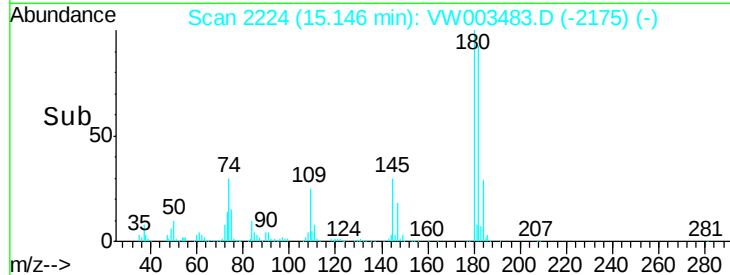
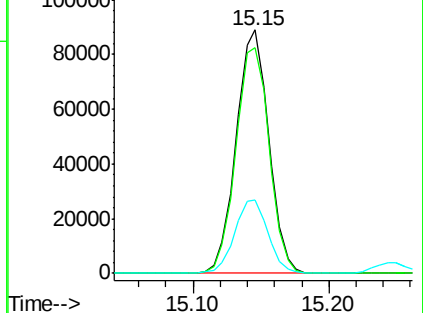
#93
 1,2,4-Trichlorobenzene
 Concen: 50.701 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MSD

Tgt Ion:180 Resp: 148486
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.6
 145 30.9 15.2 45.5

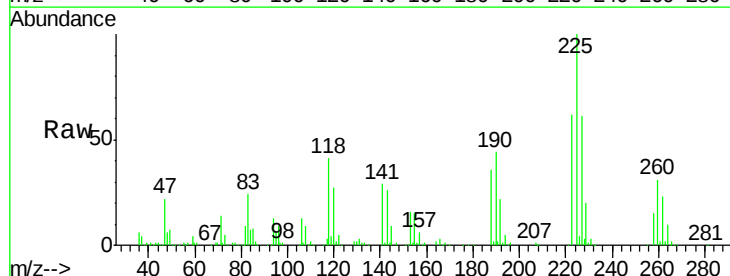


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

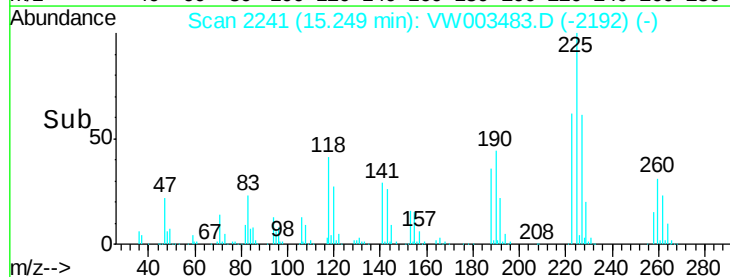
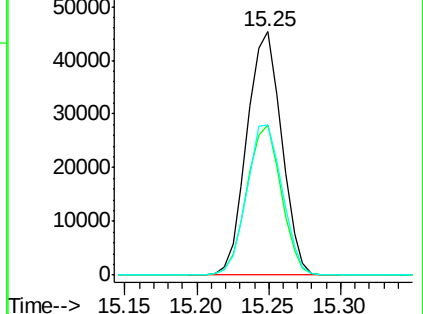


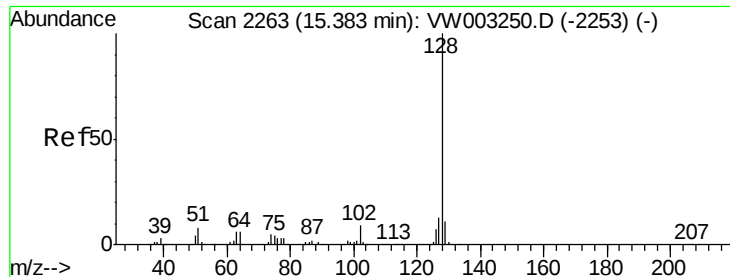
#94
 Hexachlorobutadiene
 Concen: 42.920 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003483.D
 Acq: 24 Jun 2018 02:47

Tgt Ion:225 Resp: 75611
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.6 92.0
 227 63.0 31.7 95.1



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

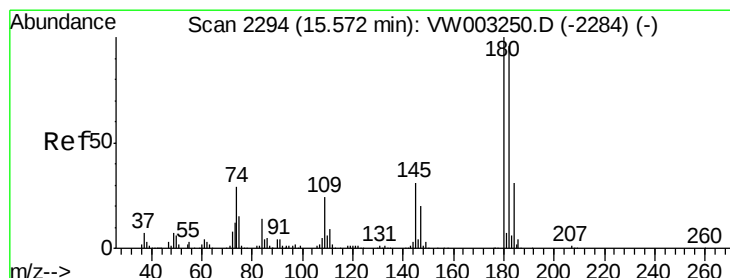
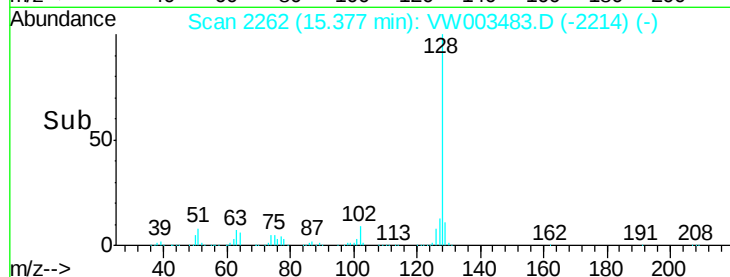
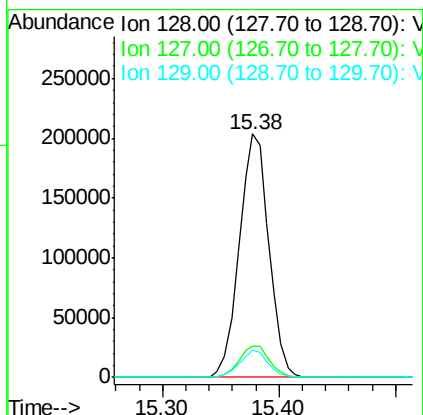
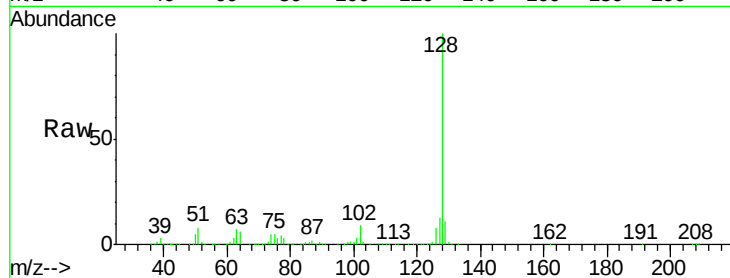




#95
Naphthalene
Concen: 72.288 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MSD

Tgt Ion:128 Resp: 359114
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 53.815 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VW003483.D
Acq: 24 Jun 2018 02:47

Tgt Ion:180 Resp: 138726
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.6
145 32.3 15.8 47.4

