

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003482.D
 Acq On : 24 Jun 2018 02:21
 Operator : SY/AP
 Sample : J3670-02MS
 Misc : 6.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Jun 25 02:43:31 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	184539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	293295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	146868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	124904	62.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.98%	
35) Dibromofluoromethane	7.89	113	100644	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	
50) Toluene-d8	10.33	98	400206	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
62) 4-Bromofluorobenzene	12.63	95	146016	57.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	40397	72.408	ug/l	87
3) Chloromethane	2.21	50	67947	48.202	ug/l	95
4) Vinyl Chloride	2.36	62	105529	51.354	ug/l	99
5) Bromomethane	2.78	94	61128	44.756	ug/l	94
6) Chloroethane	2.93	64	64929	45.393	ug/l	99
7) Trichlorofluoromethane	3.26	101	63630	51.687	ug/l	92
8) Diethyl Ether	3.68	74	51116	56.523	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	91889	53.753	ug/l	98
10) Methyl Iodide	4.26	142	129333	50.027	ug/l	98
11) Tert butyl alcohol	5.24	59	45608	425.449	ug/l #	97
12) 1,1-Dichloroethene	4.03	96	88252	52.829	ug/l	94
13) Acrolein	3.90	56	22123	144.343	ug/l	99
14) Allyl chloride	4.67	41	151766	52.448	ug/l	98
15) Acrylonitrile	5.38	53	143279	385.079	ug/l	99
16) Acetone	4.15	43	181340	432.568	ug/l	98
17) Carbon Disulfide	4.37	76	246393	49.890	ug/l	99
18) Methyl Acetate	4.68	43	190371	191.422	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	195914	62.616	ug/l	99
20) Methylene Chloride	4.91	84	101138	57.331	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	97498	53.627	ug/l	97
22) Diisopropyl ether	6.31	45	309690	53.177	ug/l	98
23) Vinyl Acetate	6.26	43	287243	85.591	ug/l	97
24) 1,1-Dichloroethane	6.21	63	182687	52.841	ug/l	97
25) 2-Butanone	7.18	43	210867	404.513	ug/l	97
26) 2,2-Dichloropropane	7.17	77	110830	48.034	ug/l	90
27) cis-1,2-Dichloroethene	7.17	96	242965	121.652	ug/l	95
28) Bromochloromethane	7.51	49	94497	65.682	ug/l	97
29) Tetrahydrofuran	7.54	42	128231	402.493	ug/l	99
30) Chloroform	7.68	83	184639	52.421	ug/l	99
31) Cyclohexane	7.96	56	161718	50.069	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	152035	52.294	ug/l	100
36) 1,1-Dichloropropene	8.09	75	145694	51.437	ug/l	100
37) Ethyl Acetate	7.26	43	63152	53.819	ug/l #	80
38) Carbon Tetrachloride	8.07	117	143707	51.723	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	169462	51.707	ug/l	97
40) Benzene	8.33	78	404938	51.865	ug/l	100
41) Methacrylonitrile	7.49	41	52457	72.850	ug/l	98
42) 1,2-Dichloroethane	8.40	62	138280	56.530	ug/l	99
43) Isopropyl Acetate	8.43	43	134338	57.656	ug/l	100
44) Trichloroethene	9.09	130	106343	51.403	ug/l	97
45) 1,2-Dichloropropane	9.37	63	104796	52.717	ug/l	100
46) Dibromomethane	9.46	93	59923	58.877	ug/l	98
47) Bromodichloromethane	9.65	83	138756	53.187	ug/l	100
48) Methyl methacrylate	9.44	41	82761	75.582	ug/l	96
49) 1,4-Dioxane	9.48	88	24121	1569.654	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	455087	383.311	ug/l	100
52) Toluene	10.39	92	255730	51.078	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	149611	56.141	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	158520	52.263	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	86279	60.159	ug/l	96
56) Ethyl methacrylate	10.65	69	109897	63.103	ug/l	99
57) 1,3-Dichloropropane	10.94	76	147585	59.666	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	268521	343.947	ug/l	98
59) 2-Hexanone	10.98	43	336305	405.480	ug/l	99
60) Dibromochloromethane	11.13	129	97676	57.270	ug/l	99
61) 1,2-Dibromoethane	11.24	107	83502	61.552	ug/l	100
64) Tetrachloroethene	10.87	164	120642	65.432	ug/l	99
65) Chlorobenzene	11.66	112	1881581	327.778	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	102359	50.741	ug/l	99
67) Ethyl Benzene	11.74	91	510151	50.135	ug/l	99
68) m/p-Xylenes	11.85	106	379853	98.201	ug/l	100
69) o-Xylene	12.17	106	180959	50.479	ug/l	100
70) Styrene	12.19	104	306806	51.417	ug/l	99
71) Bromoform	12.35	173	63742	60.969	ug/l #	99
73) Isopropylbenzene	12.47	105	506741	49.606	ug/l	100
74) N-amyl acetate	12.28	43	91306	39.269	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	112174	64.908	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	150602	119.949	ug/l #	100
77) Bromobenzene	12.76	156	118535	49.825	ug/l	92
78) n-propylbenzene	12.81	91	612668	48.980	ug/l	100
79) 2-Chlorotoluene	12.90	91	349696	49.471	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	421162	49.118	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	33818	61.978	ug/l	97
82) 4-Chlorotoluene	12.99	91	361247	48.175	ug/l	99
83) tert-Butylbenzene	13.21	119	380082	52.014	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	427592	48.479	ug/l	100
85) sec-Butylbenzene	13.39	105	535649	49.316	ug/l	99
86) p-Isopropyltoluene	13.51	119	462165	48.243	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	239834	49.073	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	258018	53.105	ug/l	99
89) n-Butylbenzene	13.83	91	441588	47.289	ug/l	99
90) Hexachloroethane	14.10	117	82445	47.574	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	276996	64.703	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21066	72.434	ug/l	98

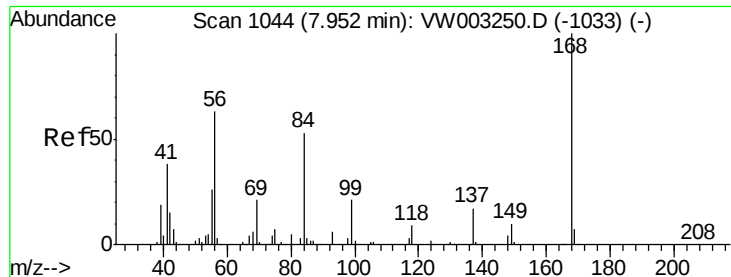
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	144495	48.079	ug/l	99
94) Hexachlorobutadiene	15.25	225	75585	41.810	ug/l	97
95) Naphthalene	15.38	128	335450	65.801	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	132841	50.217	ug/l	100

(#) = 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: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

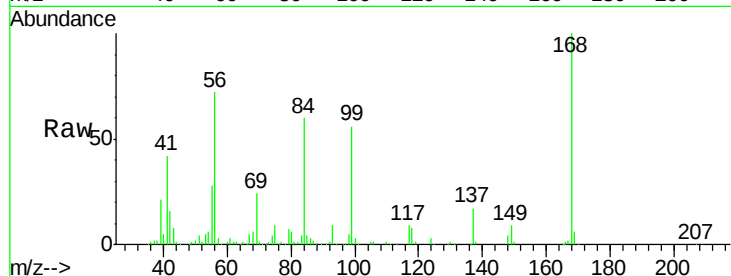
WP021SB487-13-15-180621MS

Tgt Ion:168 Resp: 184539

Ion Ratio Lower Upper

168 100

99 55.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

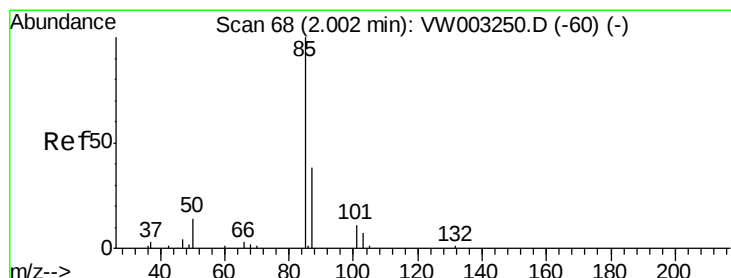
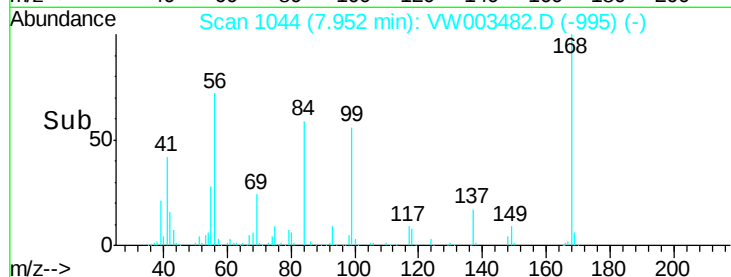
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 72.408 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003482.D

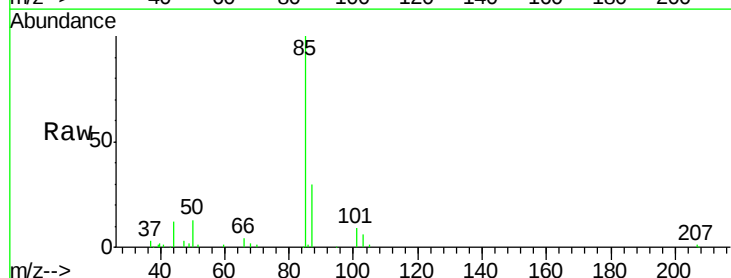
Acq: 24 Jun 2018 02:21

Tgt Ion: 85 Resp: 40397

Ion Ratio Lower Upper

85 100

87 30.2 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

10000

5000

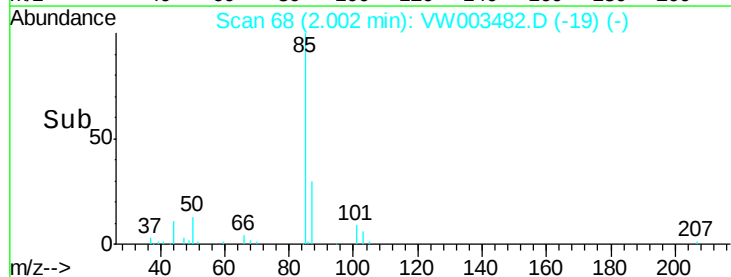
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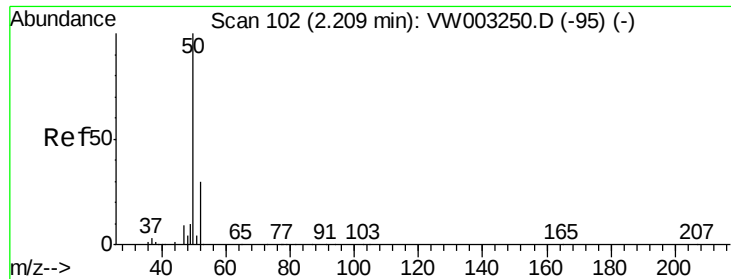
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 48.202 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

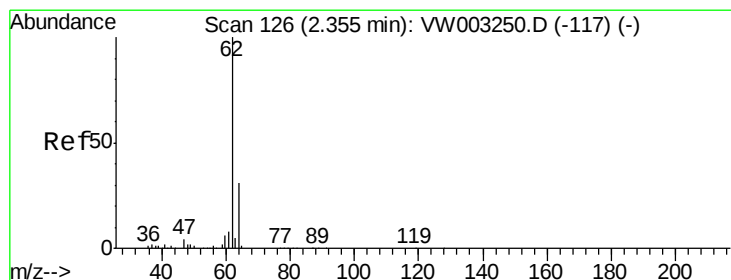
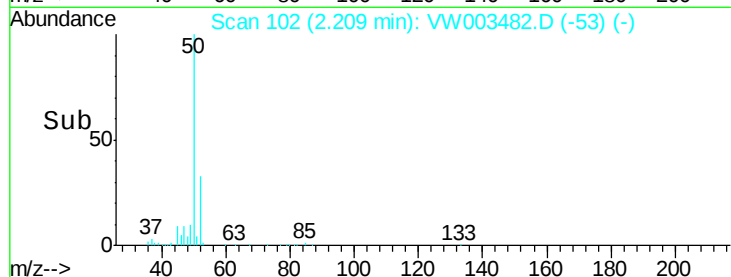
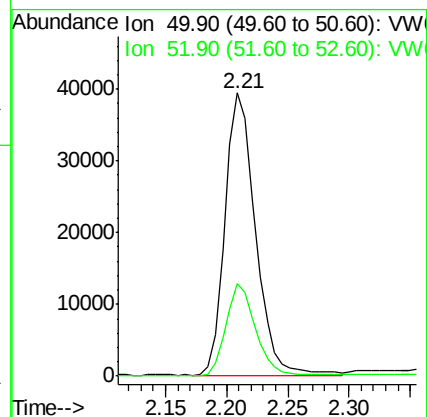
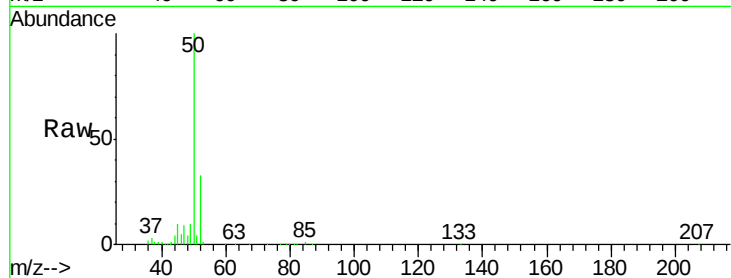
WP021SB487-13-15-180621MS

Tgt Ion: 50 Resp: 67947

Ion Ratio Lower Upper

50 100

52 32.7 24.2 36.2



#4

Vinyl Chloride

Concen: 51.354 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003482.D

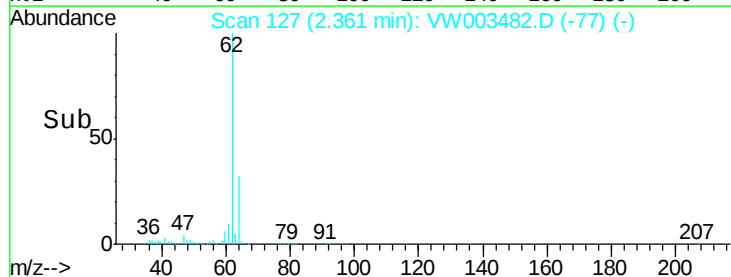
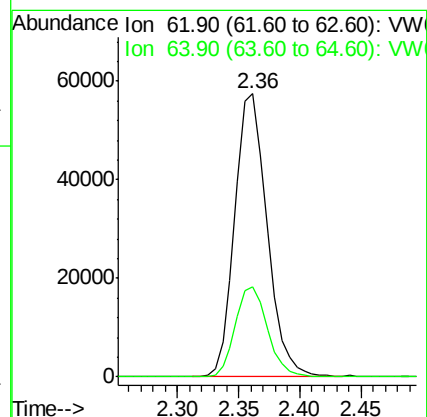
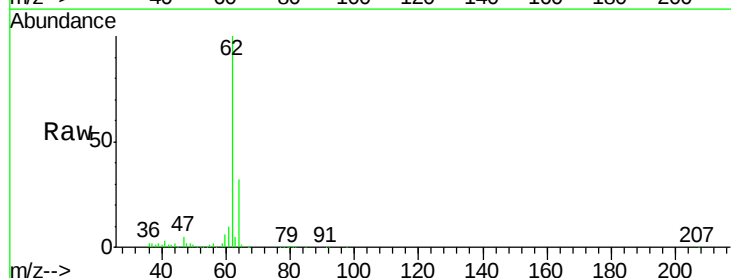
Acq: 24 Jun 2018 02:21

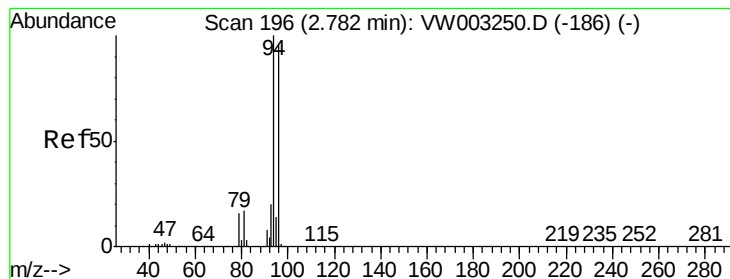
Tgt Ion: 62 Resp: 105529

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3





#5

Bromomethane

Concen: 44.756 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

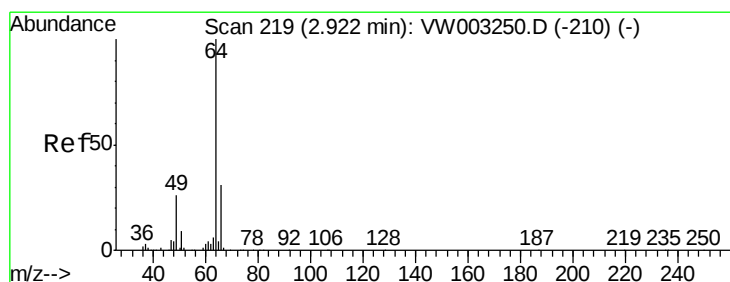
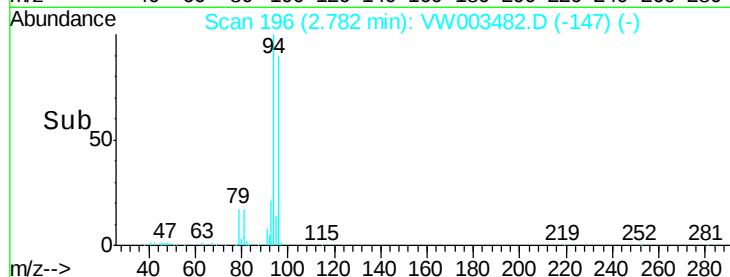
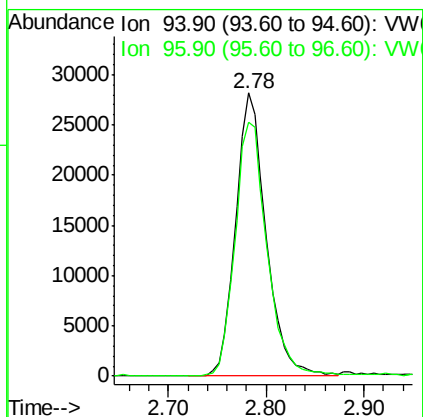
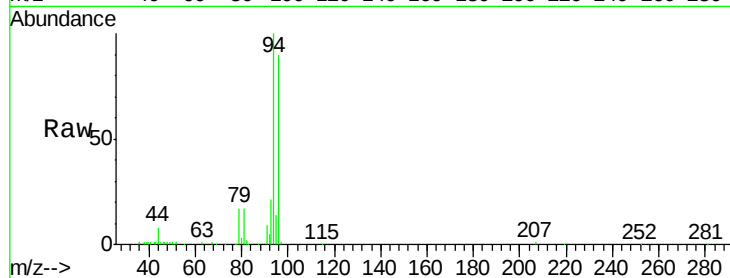
WP021SB487-13-15-180621MS

Tgt Ion: 94 Resp: 61128

Ion Ratio Lower Upper

94 100

96 89.9 76.5 114.7



#6

Chloroethane

Concen: 45.393 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003482.D

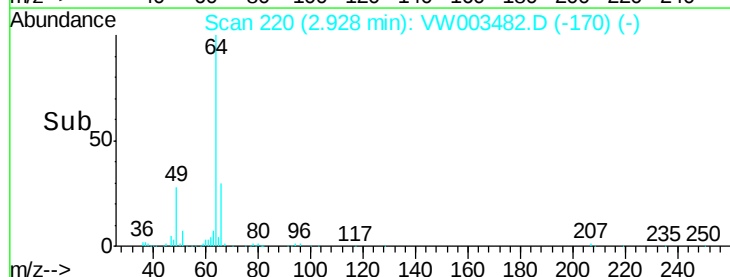
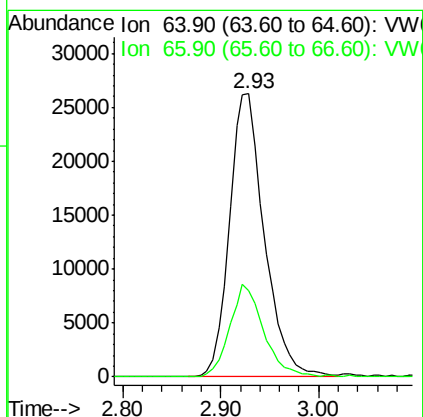
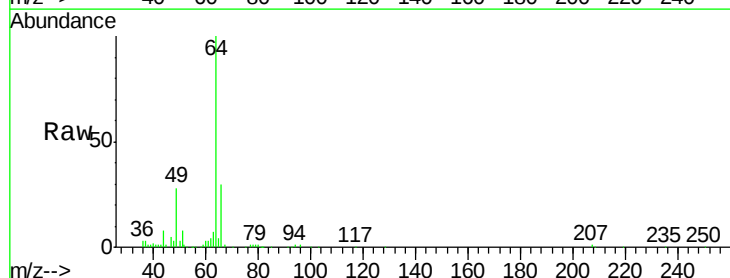
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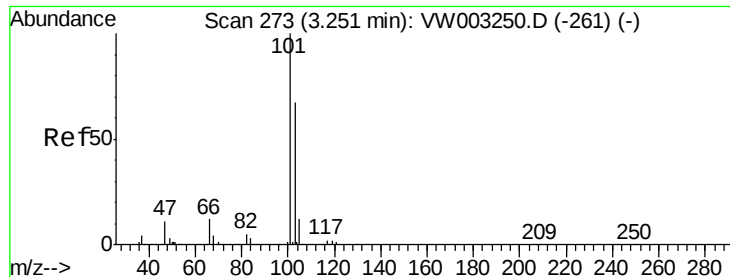
Tgt Ion: 64 Resp: 64929

Ion Ratio Lower Upper

64 100

66 30.2 24.4 36.6



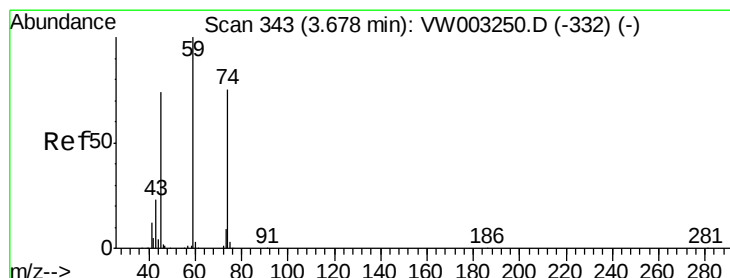
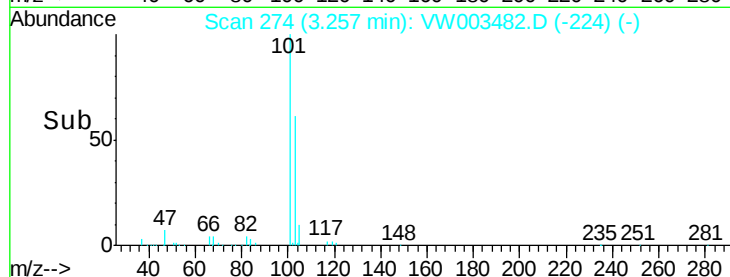
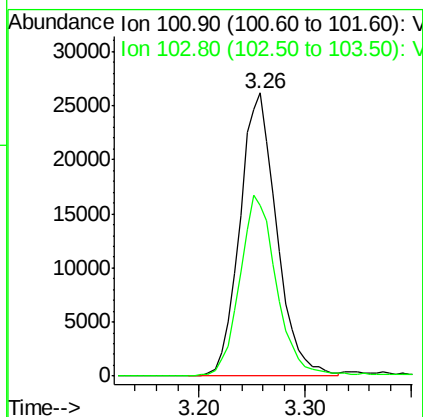
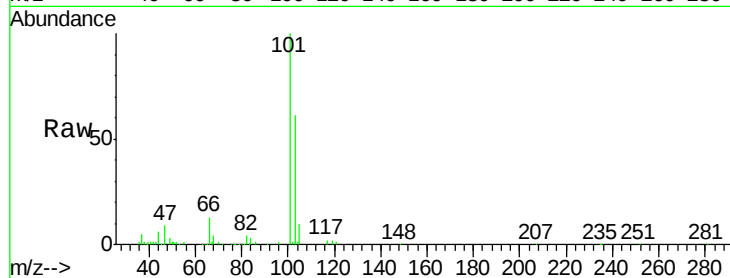


#7

Trichlorofluoromethane
 Concen: 51.687 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VW003482.D
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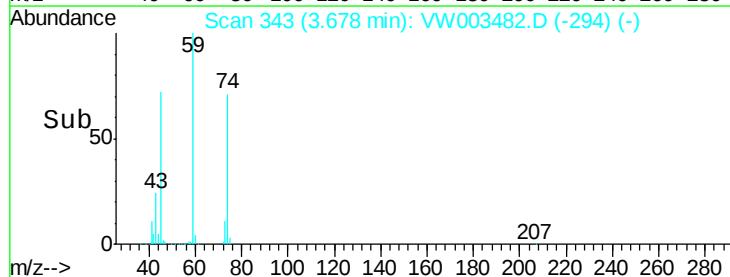
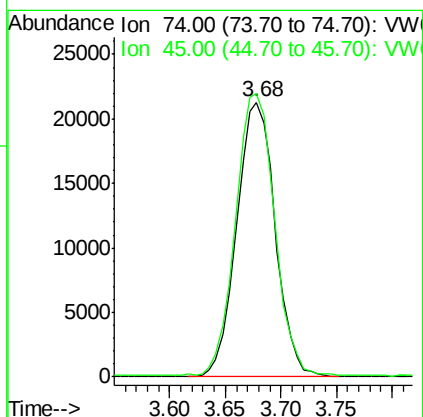
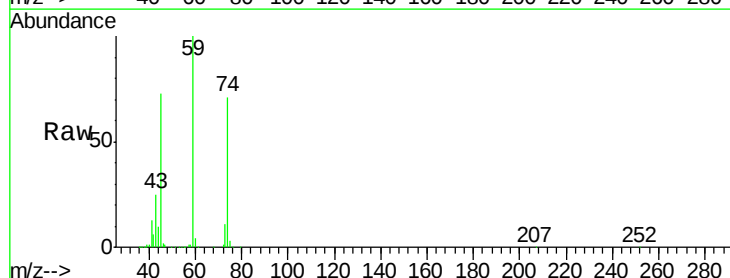
Tgt Ion: 101 Resp: 63630
 Ion Ratio Lower Upper
 101 100
 103 60.5 53.4 80.0

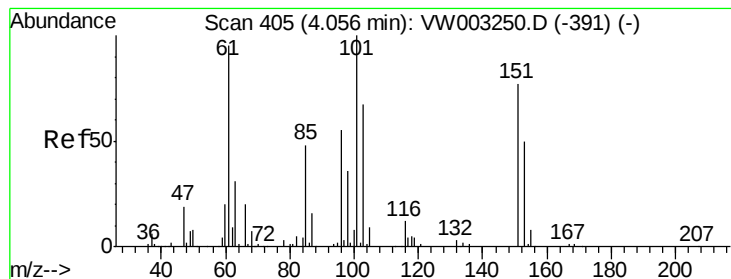


#8

Diethyl Ether
 Concen: 56.523 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion: 74 Resp: 51116
 Ion Ratio Lower Upper
 74 100
 45 104.4 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.753 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

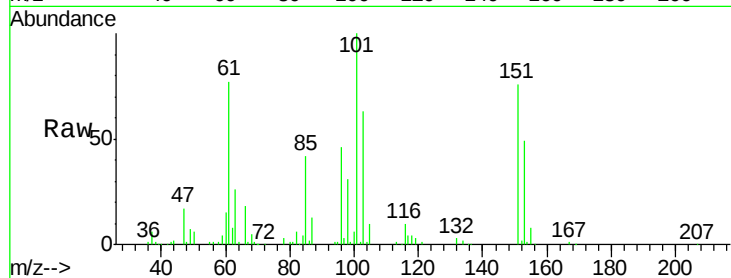
Tgt Ion:101 Resp: 91889

Ion Ratio Lower Upper

101 100

85 45.3 37.0 55.6

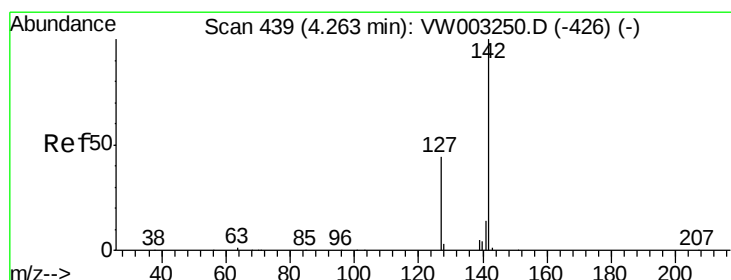
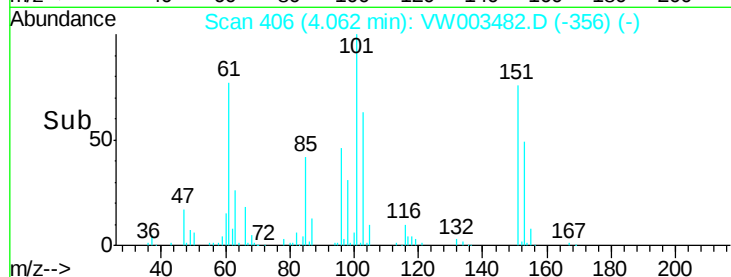
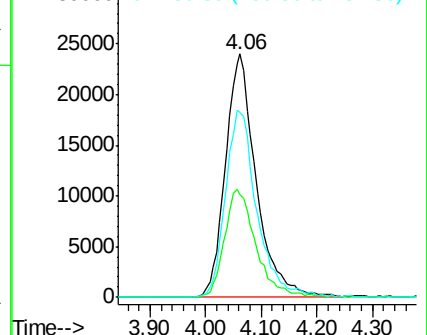
151 77.5 63.3 94.9



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: 50.027 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

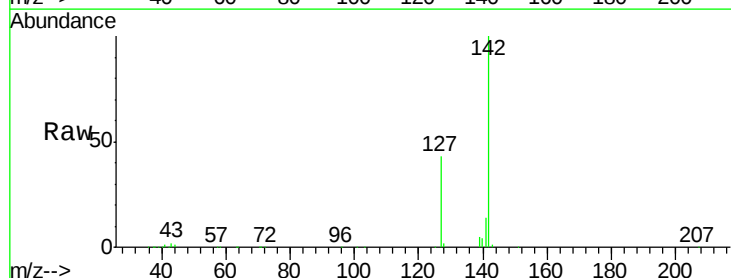
Tgt Ion:142 Resp: 129333

Ion Ratio Lower Upper

142 100

127 44.3 36.5 54.7

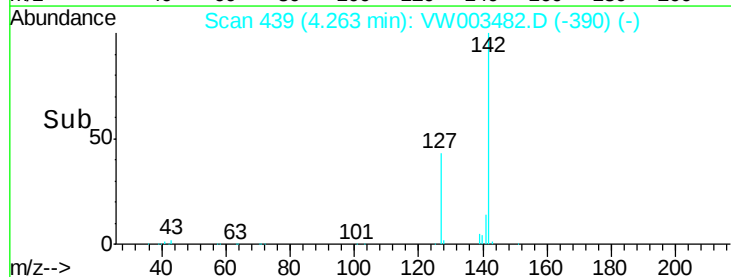
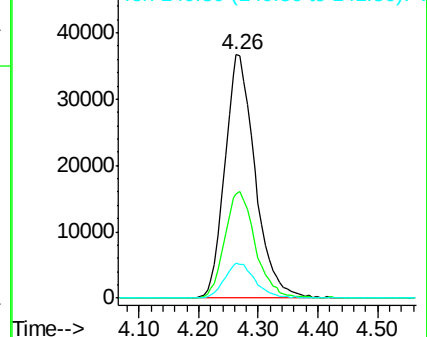
141 14.6 12.1 18.1

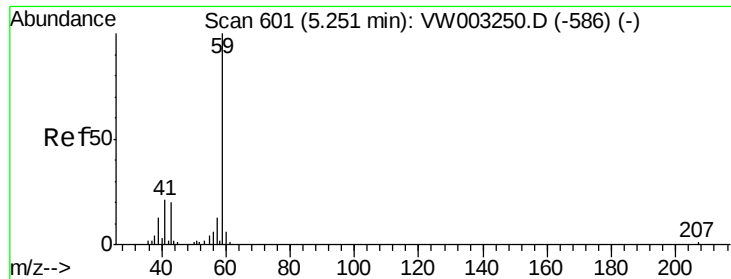


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



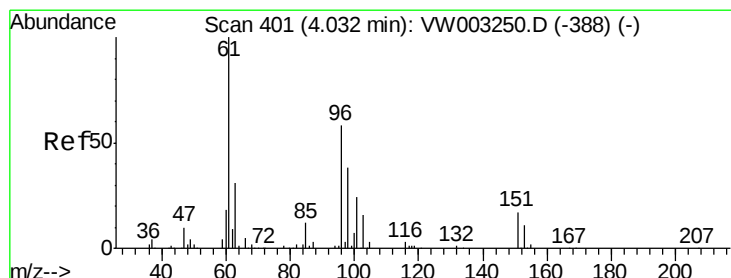
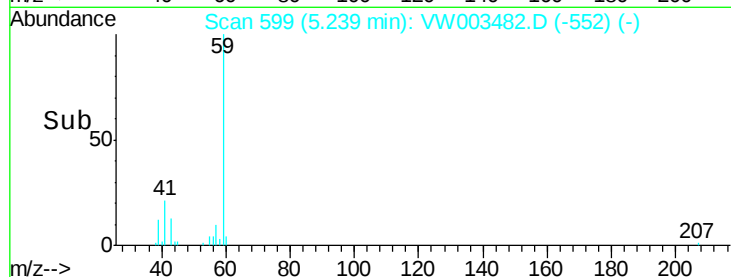
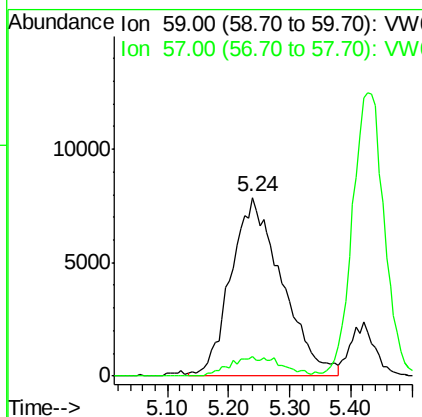
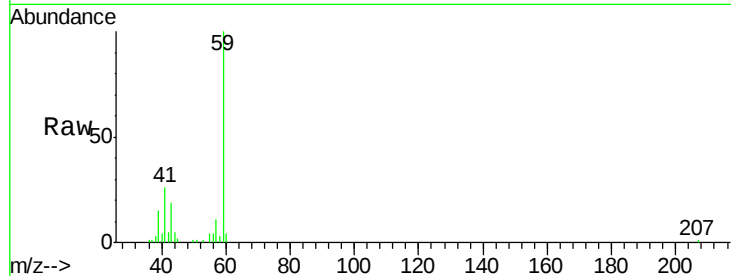


#11

Tert butyl alcohol
 Concen: 425.449 ug/l
 RT: 5.24 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

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

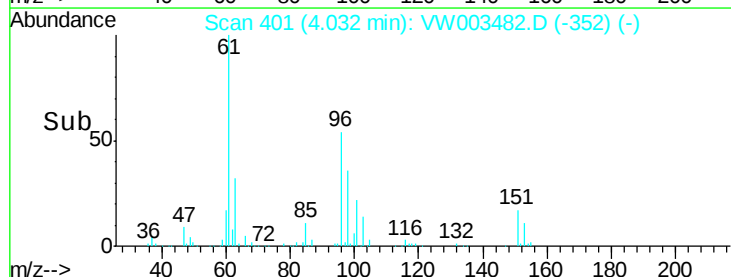
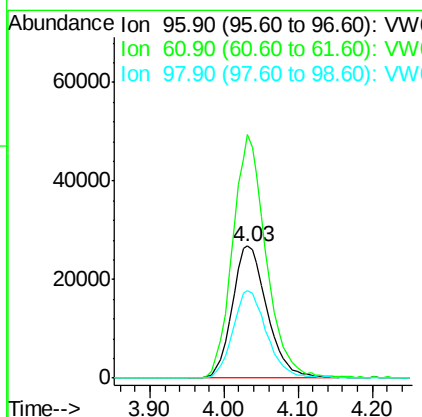
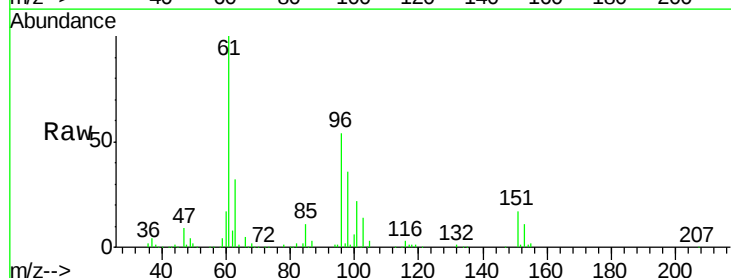
Tgt Ion: 59 Resp: 45608
 Ion Ratio Lower Upper
 59 100
 57 6.3 4.2 6.2#

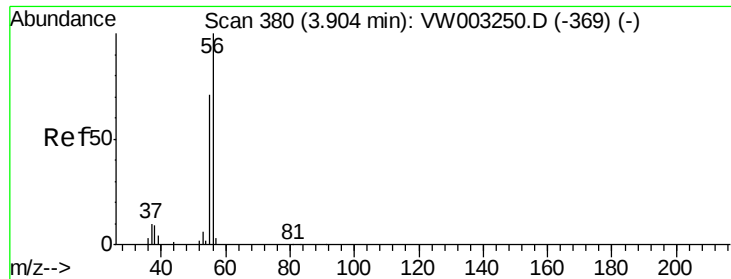


#12

1,1-Dichloroethene
 Concen: 52.829 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion: 96 Resp: 88252
 Ion Ratio Lower Upper
 96 100
 61 184.2 139.0 208.4
 98 66.5 53.3 79.9





#13

Acrolein

Concen: 144.343 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

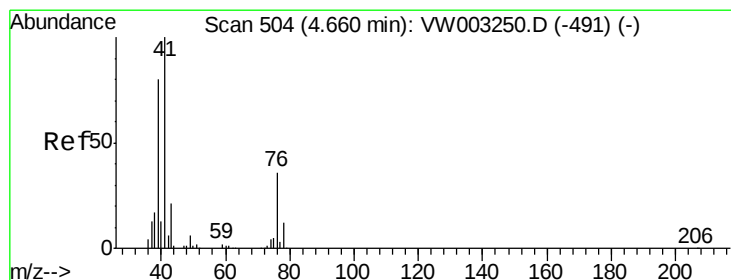
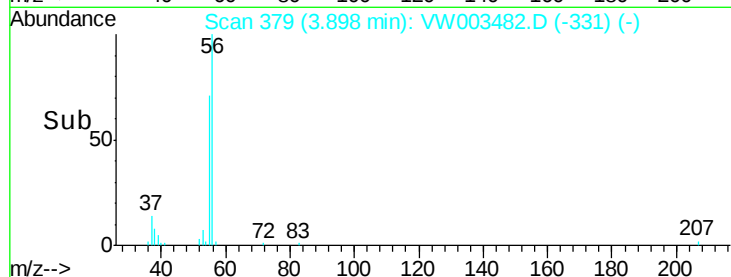
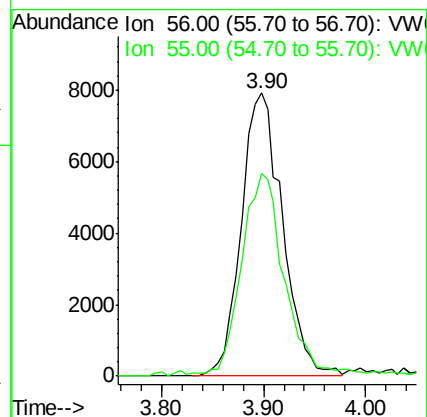
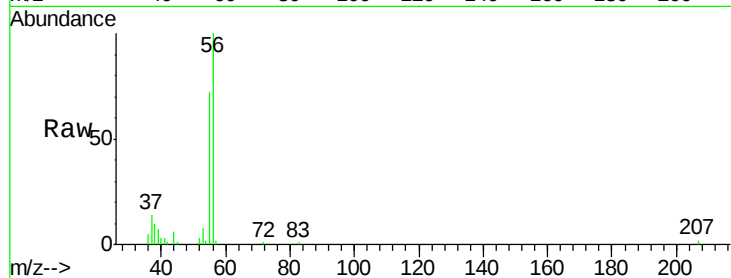
WP021SB487-13-15-180621MS

Tgt Ion: 56 Resp: 22123

Ion Ratio Lower Upper

56 100

55 70.0 55.4 83.2



#14

Allyl chloride

Concen: 52.448 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

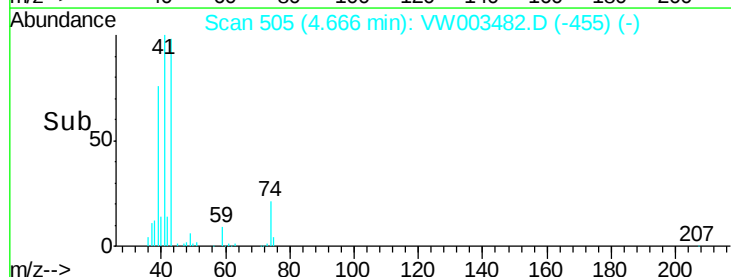
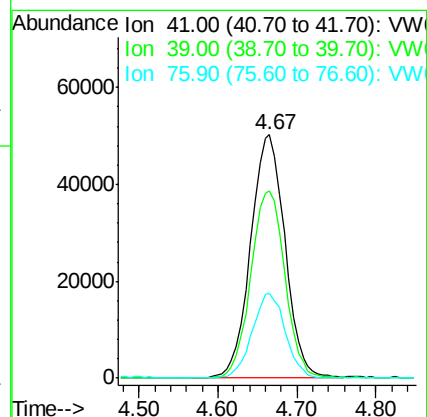
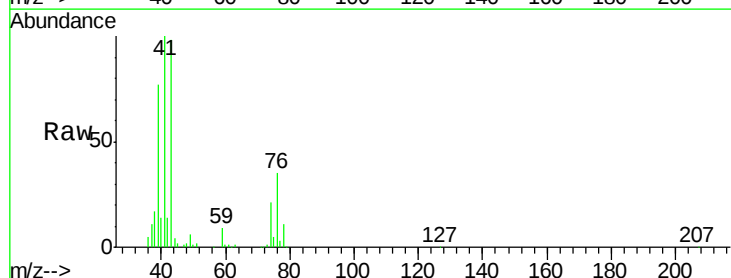
Tgt Ion: 41 Resp: 151766

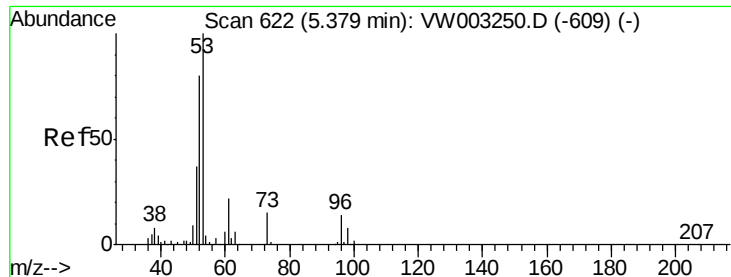
Ion Ratio Lower Upper

41 100

39 76.9 63.2 94.8

76 33.6 28.0 42.0





#15

Acrylonitrile

Concen: 385.079 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

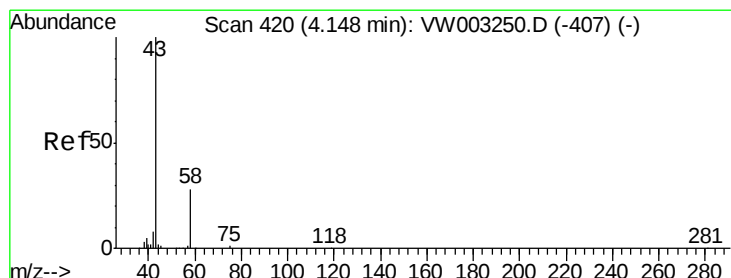
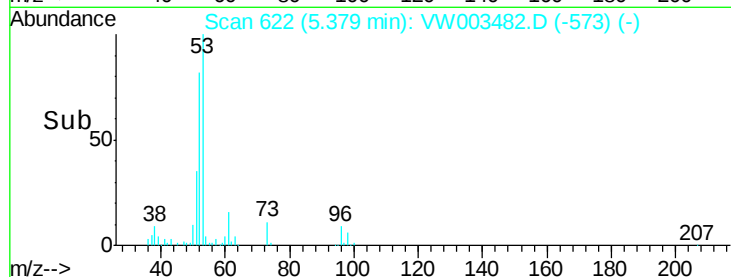
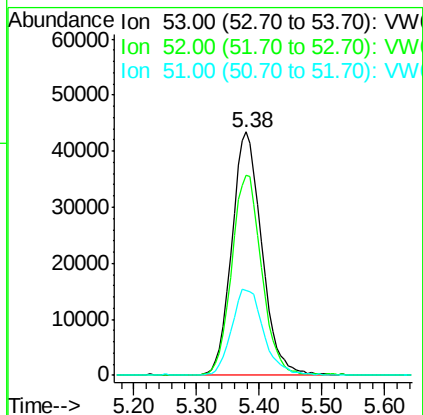
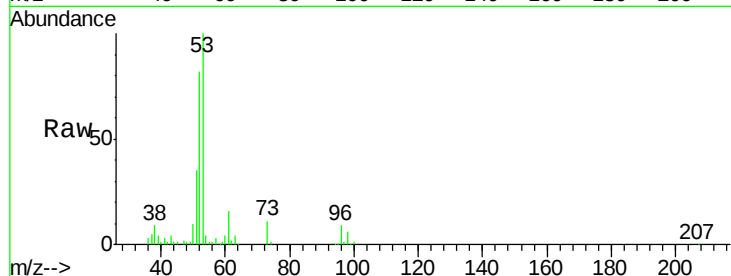
Tgt Ion: 53 Resp: 143279

Ion Ratio Lower Upper

53 100

52 82.7 66.6 100.0

51 37.1 30.6 46.0



#16

Acetone

Concen: 432.568 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003482.D

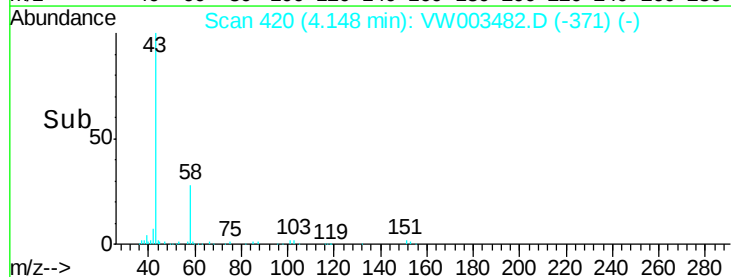
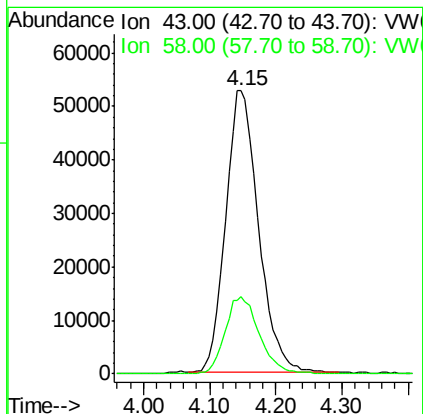
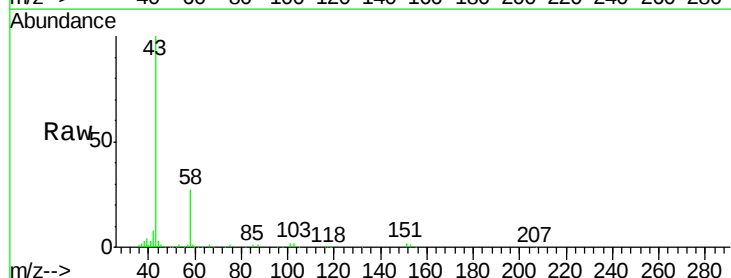
Acq: 24 Jun 2018 02:21

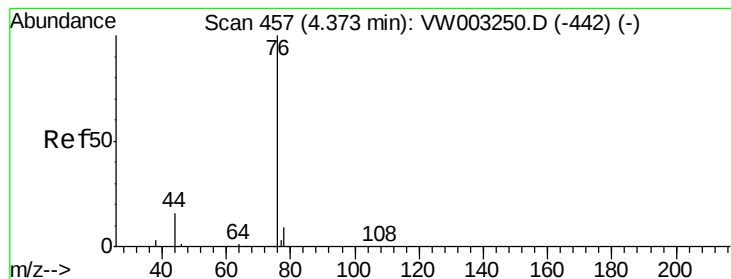
Tgt Ion: 43 Resp: 181340

Ion Ratio Lower Upper

43 100

58 27.5 22.6 34.0





#17

Carbon Disulfide

Concen: 49.890 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

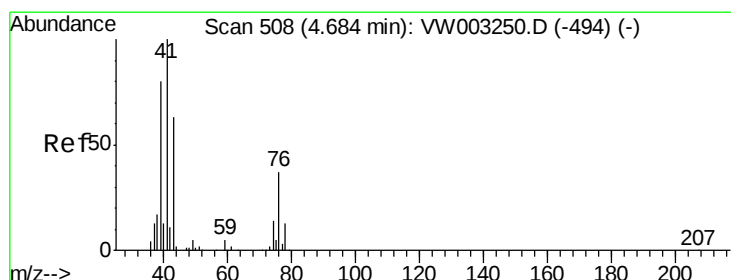
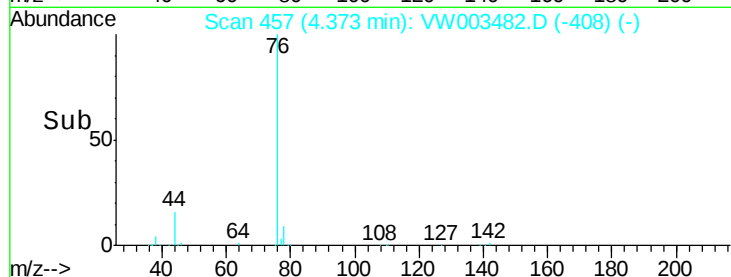
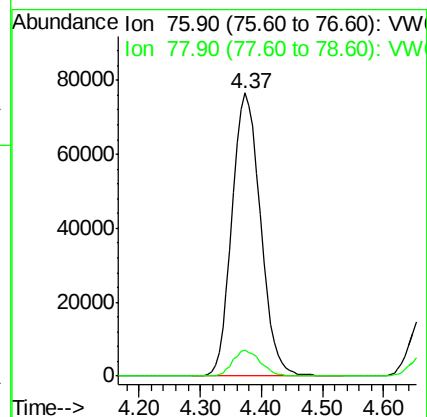
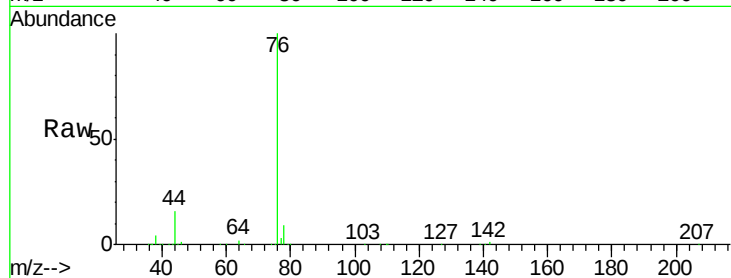
WP021SB487-13-15-180621MS

Tgt Ion: 76 Resp: 246393

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



#18

Methyl Acetate

Concen: 191.422 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003482.D

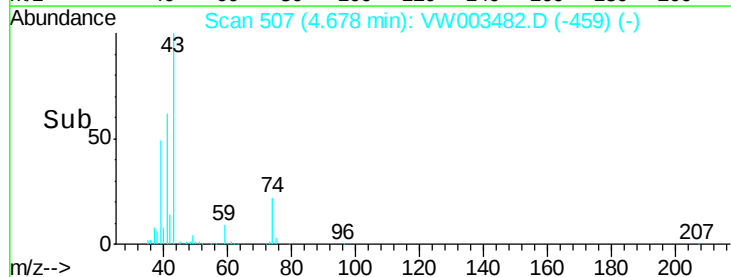
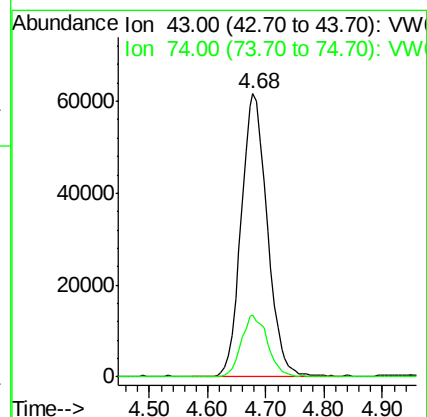
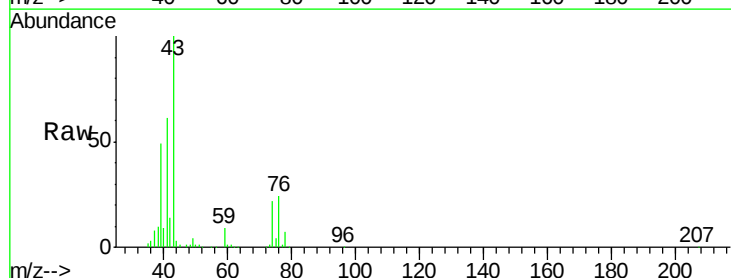
Acq: 24 Jun 2018 02:21

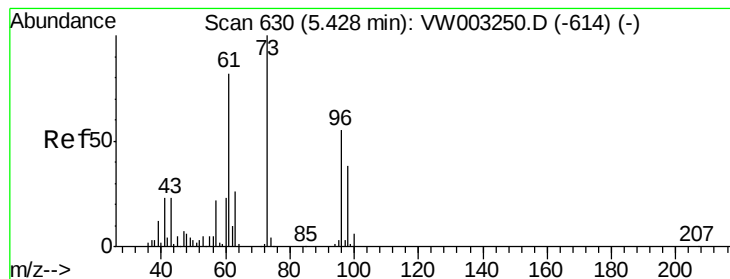
Tgt Ion: 43 Resp: 190371

Ion Ratio Lower Upper

43 100

74 22.1 18.7 28.1



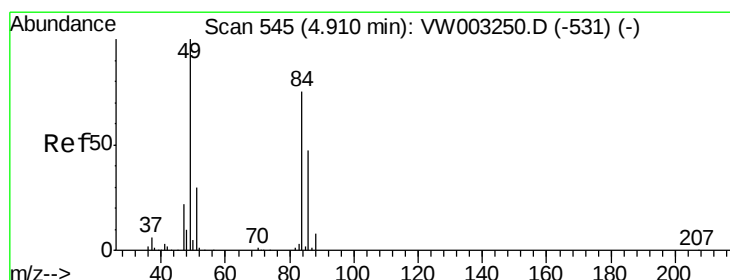
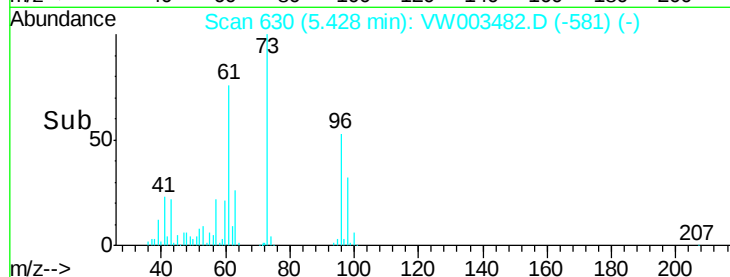
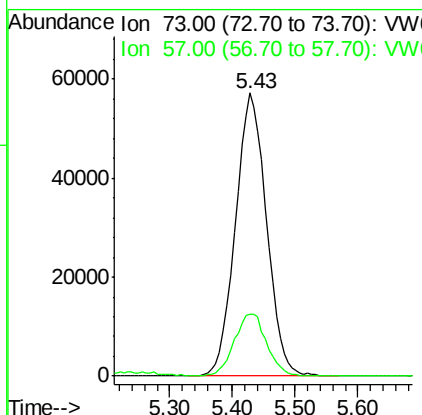
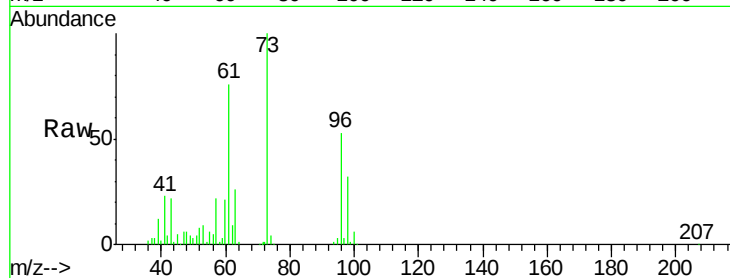


#19

Methyl tert-butyl Ether
 Concen: 62.616 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

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

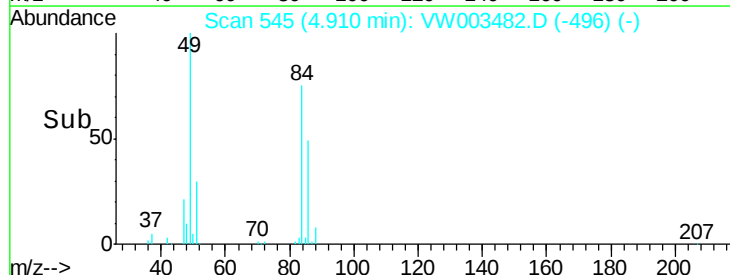
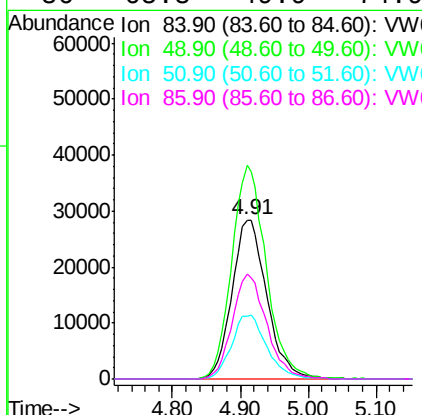
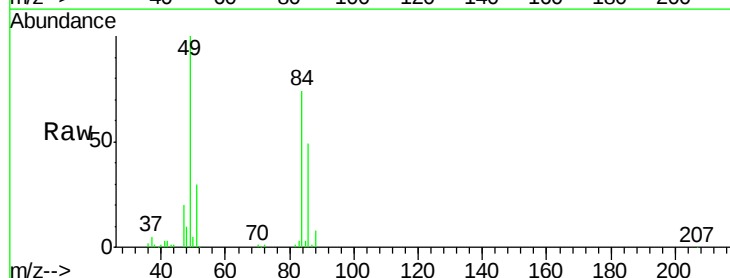
Tgt Ion: 73 Resp: 195914
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.0 27.0

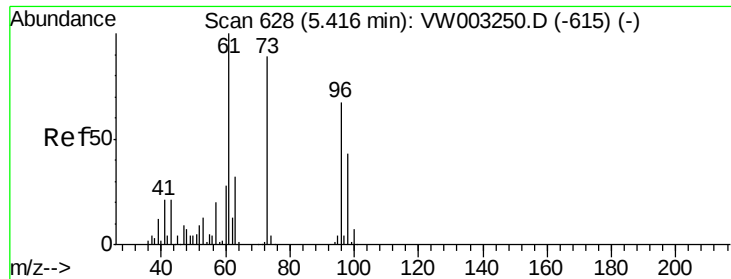


#20

Methylene Chloride
 Concen: 57.331 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion: 84 Resp: 101138
 Ion Ratio Lower Upper
 84 100
 49 134.3 106.3 159.5
 51 39.7 32.0 48.0
 86 65.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 53.627 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

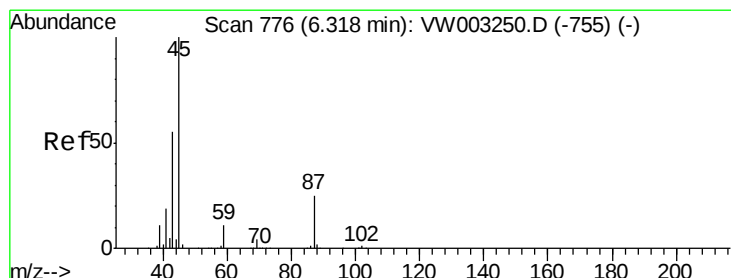
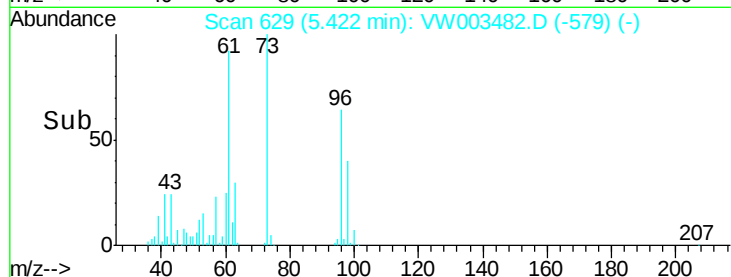
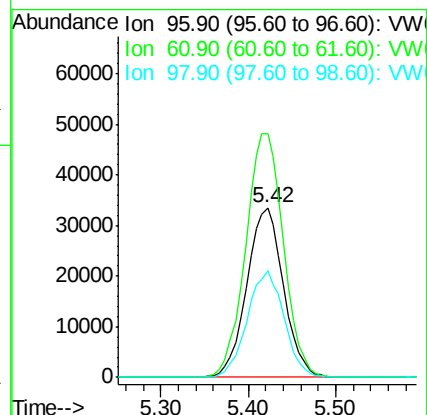
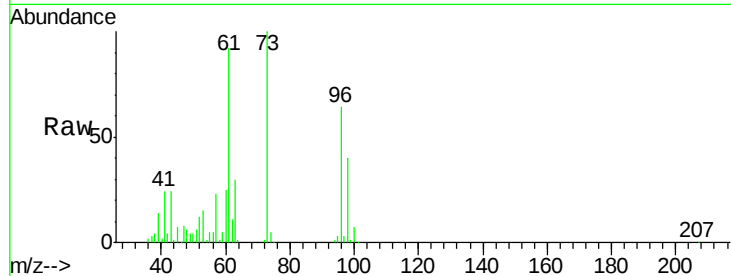
Tgt Ion: 96 Resp: 97498

Ion Ratio Lower Upper

96 100

61 143.5 118.7 178.1

98 62.8 51.0 76.6



#22

Diisopropyl ether

Concen: 53.177 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Tgt Ion: 45 Resp: 309690

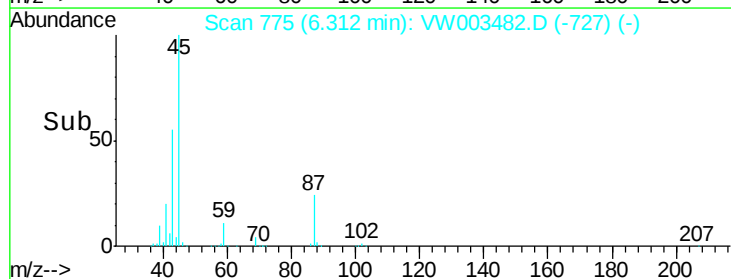
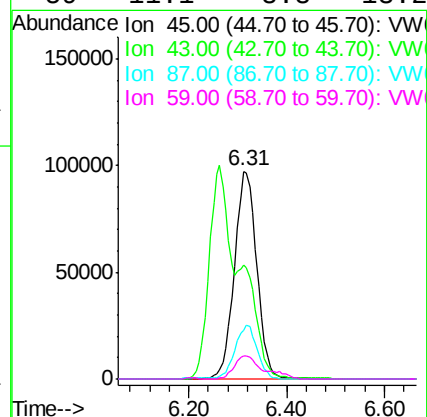
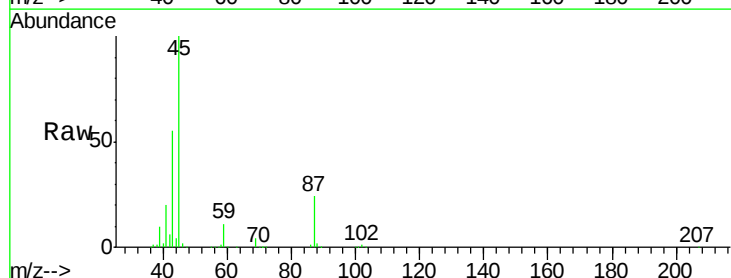
Ion Ratio Lower Upper

45 100

43 54.5 44.0 66.0

87 23.6 20.6 31.0

59 11.1 8.8 13.2





#23

Vinyl Acetate

Concen: 85.591 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

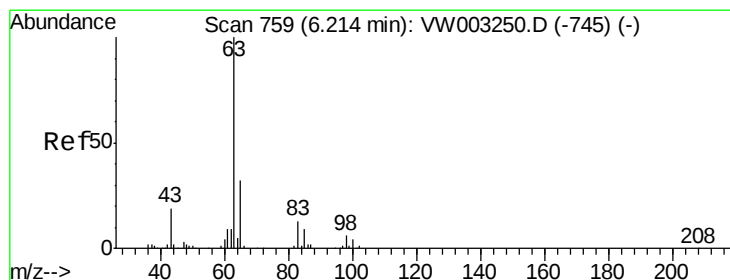
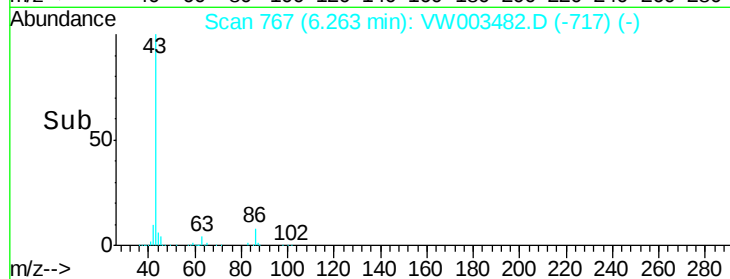
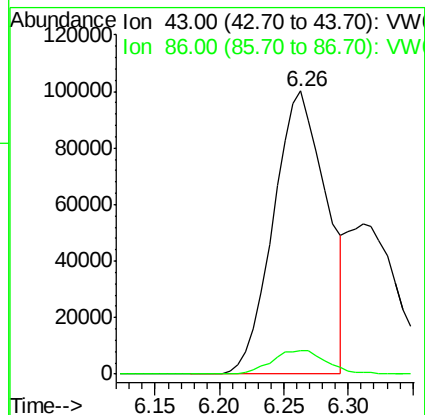
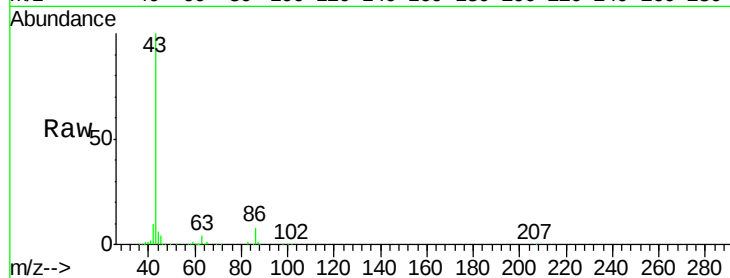
WP021SB487-13-15-180621MS

Tgt Ion: 43 Resp: 287243

Ion Ratio Lower Upper

43 100

86 8.3 7.5 11.3



#24

1,1-Dichloroethane

Concen: 52.841 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

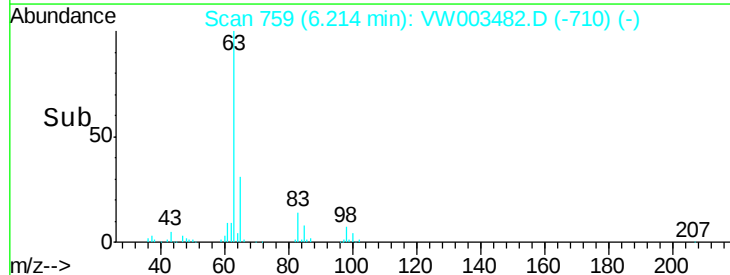
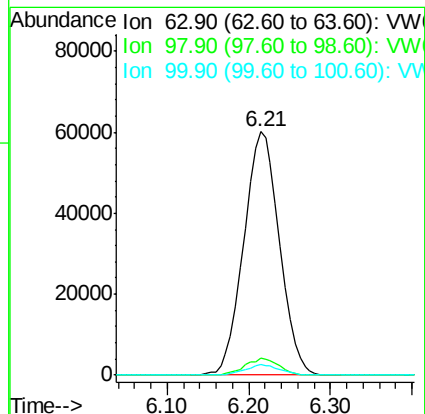
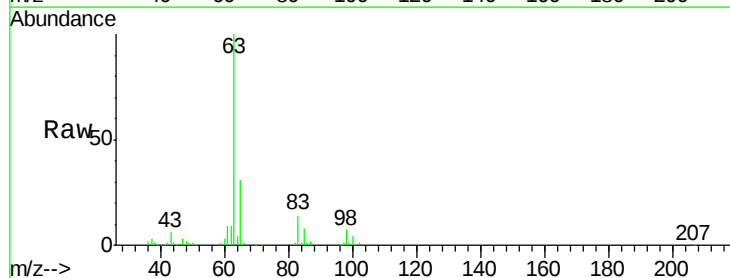
Tgt Ion: 63 Resp: 182687

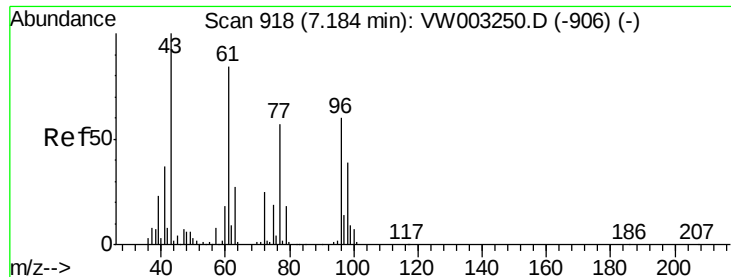
Ion Ratio Lower Upper

63 100

98 7.1 2.8 8.3

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 404.513 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

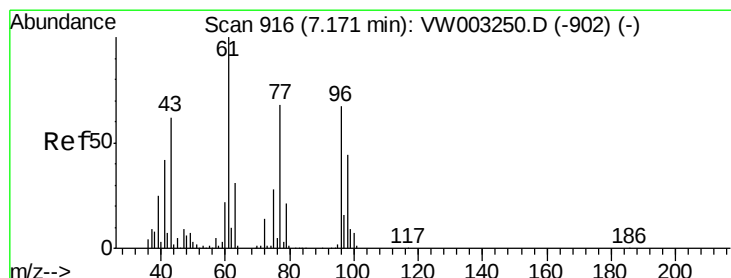
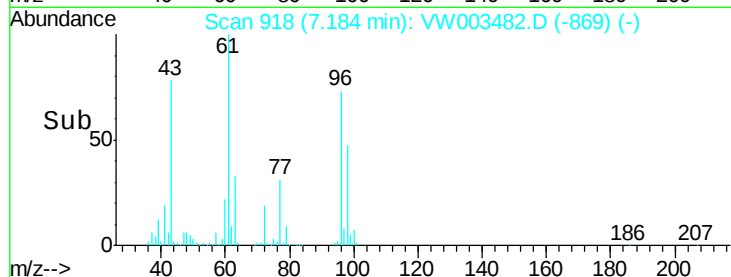
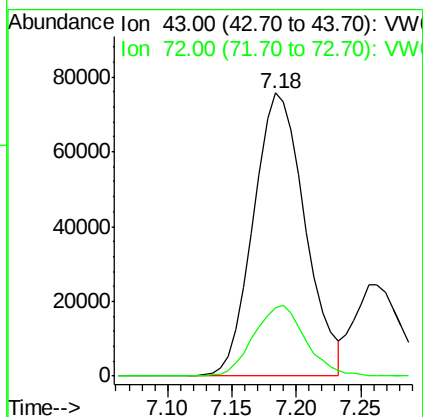
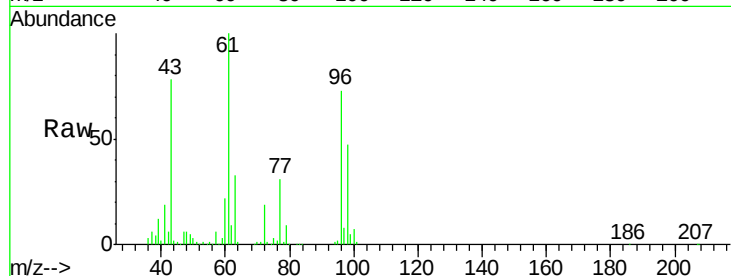
WP021SB487-13-15-180621MS

Tgt Ion: 43 Resp: 210867

Ion Ratio Lower Upper

43 100

72 24.0 20.3 30.5



#26

2,2-Dichloropropane

Concen: 48.034 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003482.D

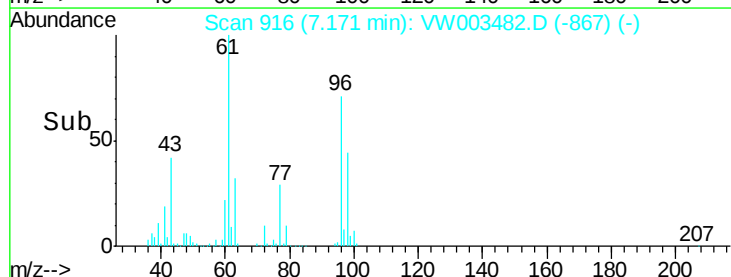
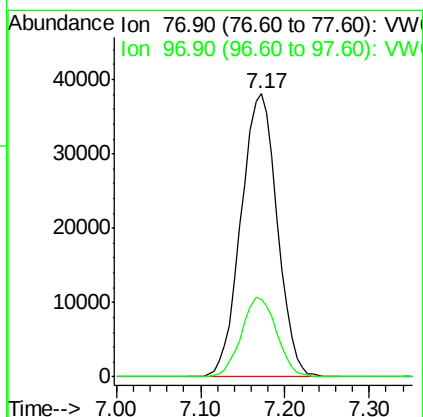
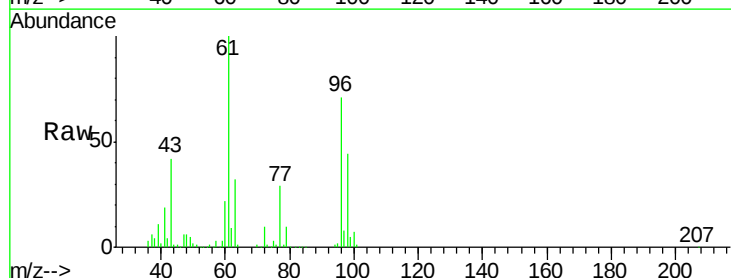
Acq: 24 Jun 2018 02:21

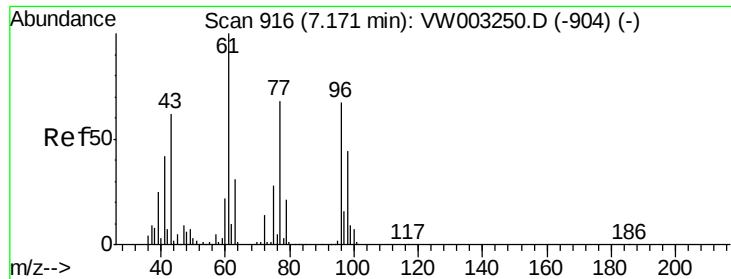
Tgt Ion: 77 Resp: 110830

Ion Ratio Lower Upper

77 100

97 27.4 11.3 33.9



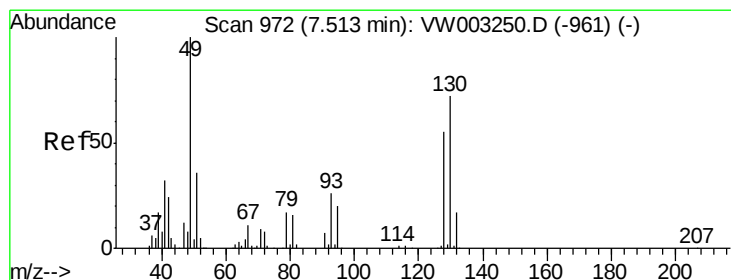
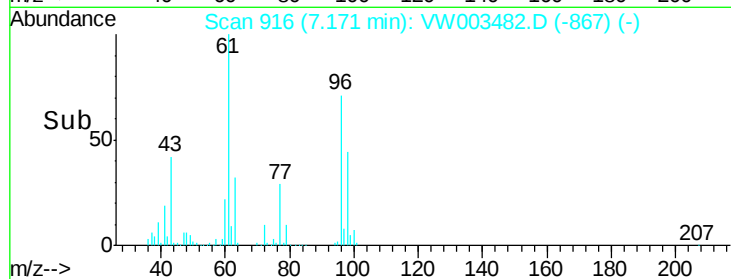
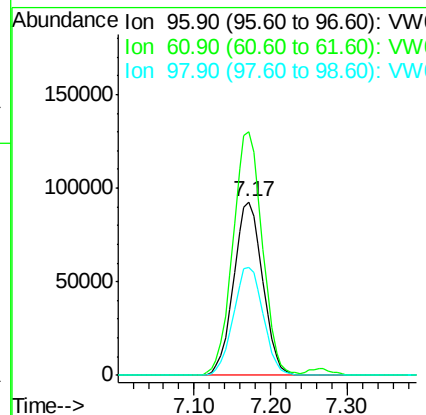
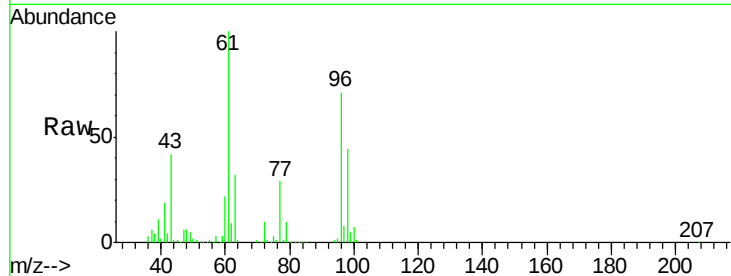


#27

cis-1,2-Dichloroethene
Concen: 121.652 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

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

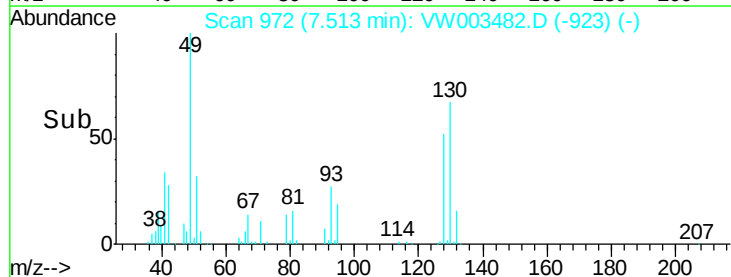
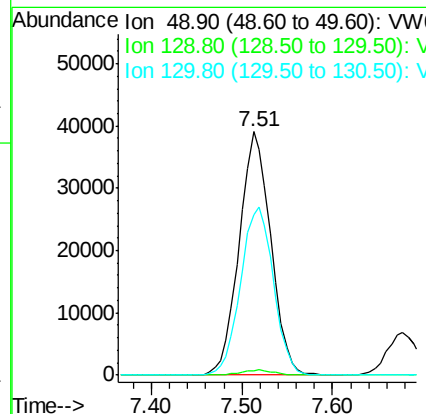
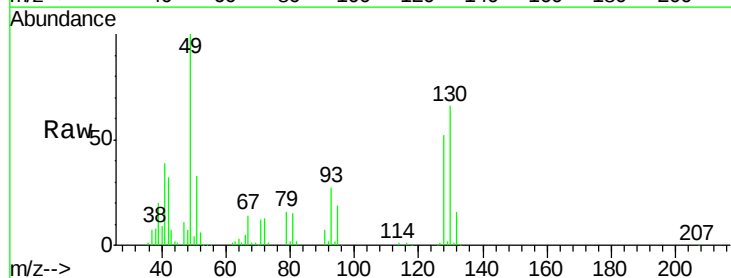
Tgt Ion: 96 Resp: 242965
Ion Ratio Lower Upper
96 100
61 142.0 0.0 298.8
98 64.0 0.0 130.4

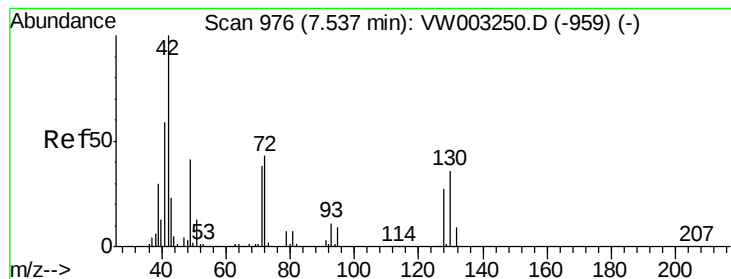


#28

Bromochloromethane
Concen: 65.682 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion: 49 Resp: 94497
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.6
130 71.6 59.4 89.2





#29

Tetrahydrofuran

Concen: 402.493 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

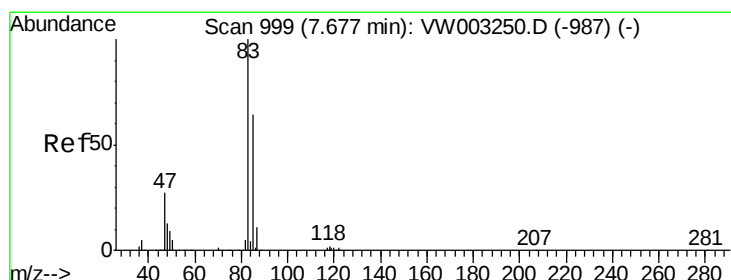
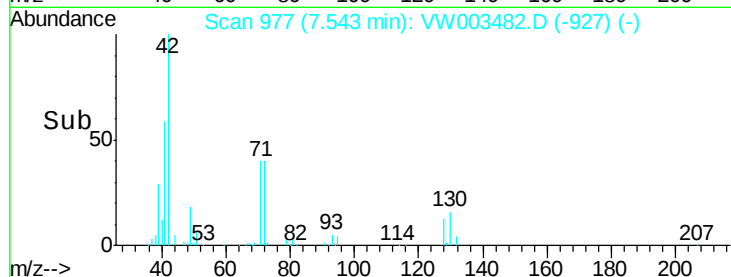
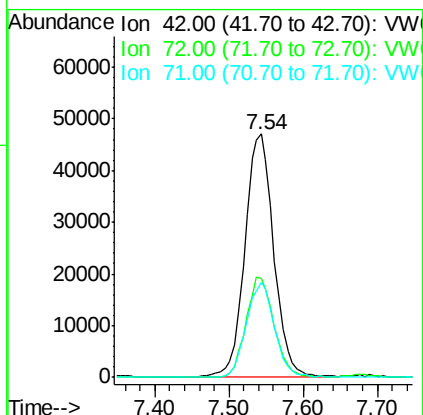
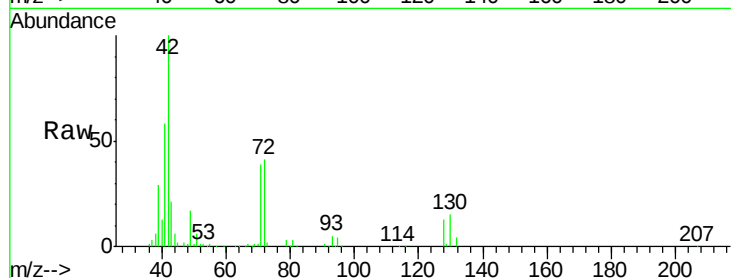
Tgt Ion: 42 Resp: 128231

Ion Ratio Lower Upper

42 100

72 39.9 32.4 48.6

71 38.0 31.2 46.8



#30

Chloroform

Concen: 52.421 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003482.D

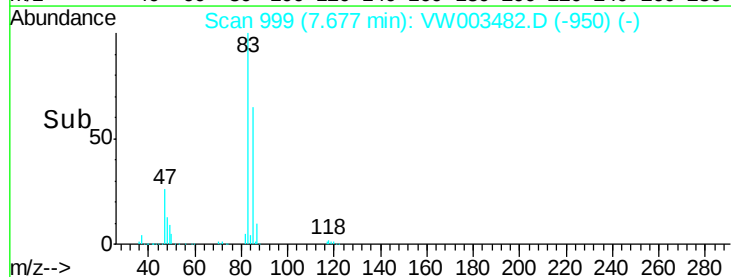
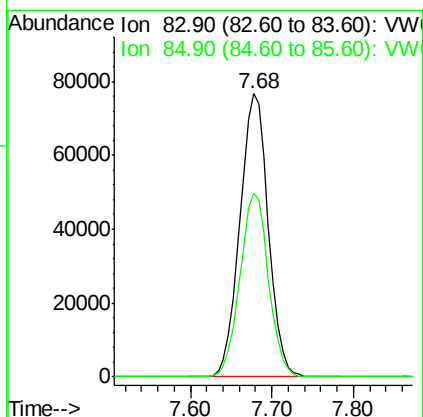
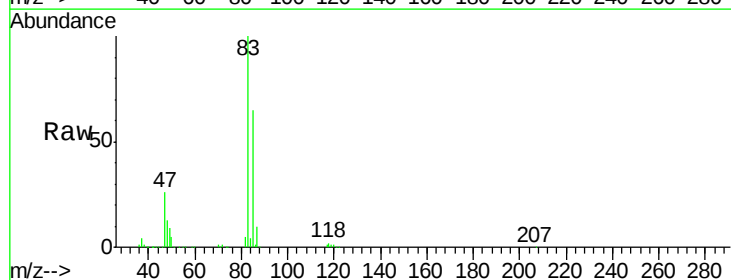
Acq: 24 Jun 2018 02:21

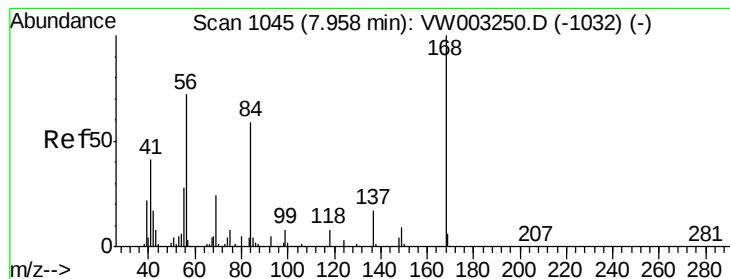
Tgt Ion: 83 Resp: 184639

Ion Ratio Lower Upper

83 100

85 64.9 51.3 76.9





#31

Cyclohexane

Concen: 50.069 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

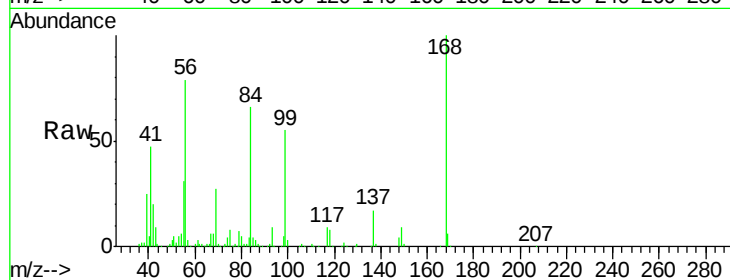
Tgt Ion: 56 Resp: 161718

Ion Ratio Lower Upper

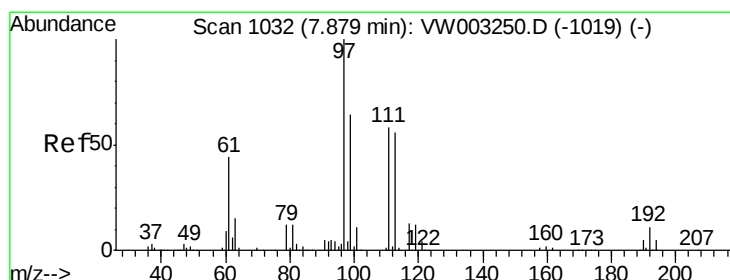
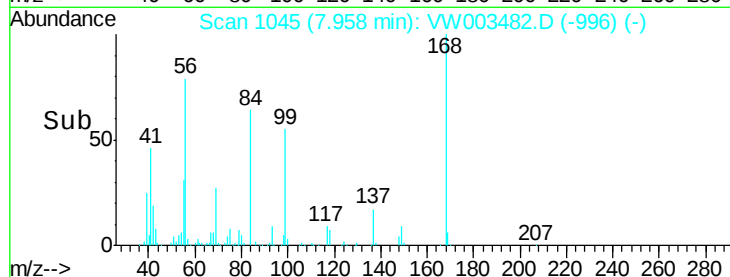
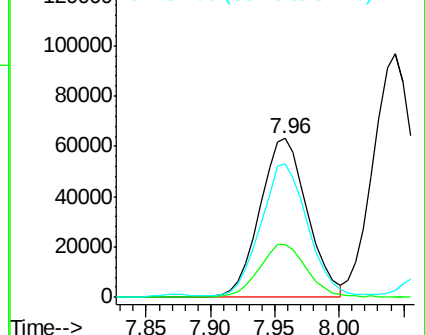
56 100

69 33.6 26.3 39.5

84 82.6 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: 52.294 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

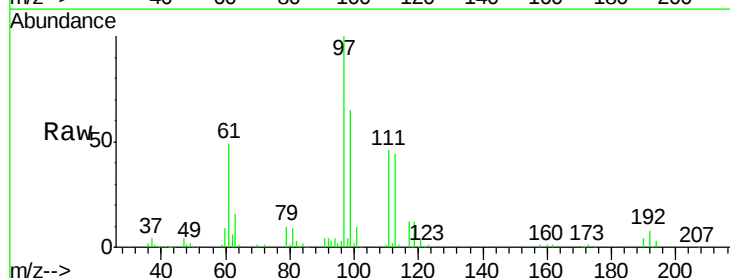
Tgt Ion: 97 Resp: 152035

Ion Ratio Lower Upper

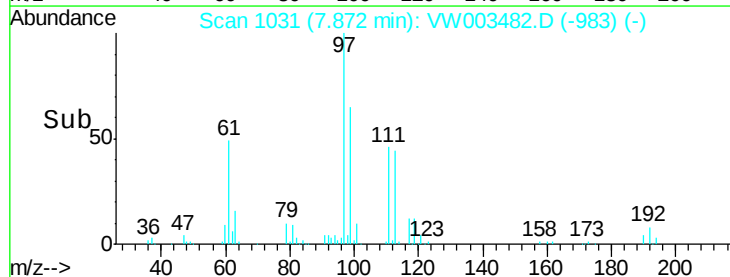
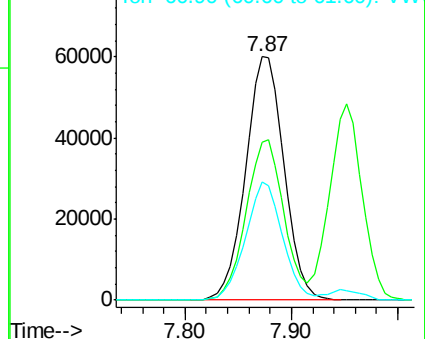
97 100

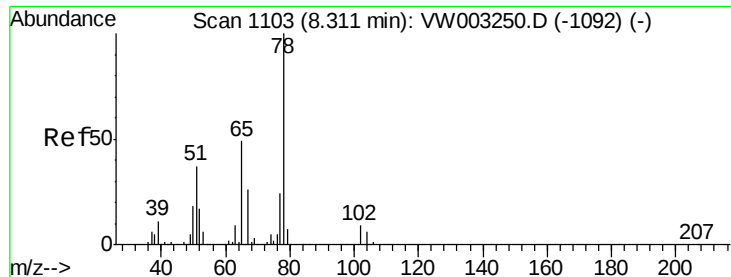
99 64.8 51.7 77.5

61 46.9 37.6 56.4



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





#33

1,2-Dichloroethane-d4

Concen: 62.488 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

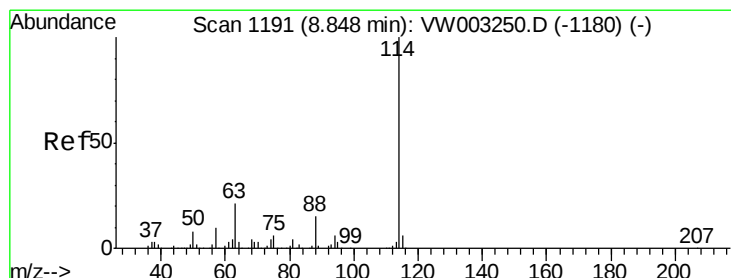
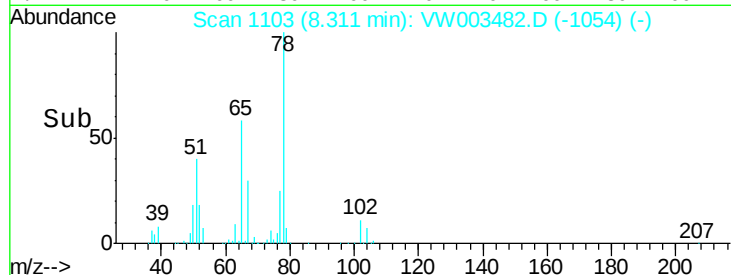
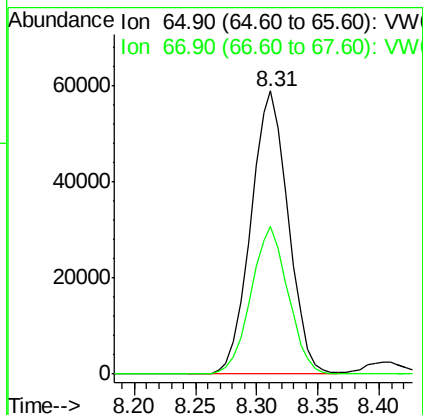
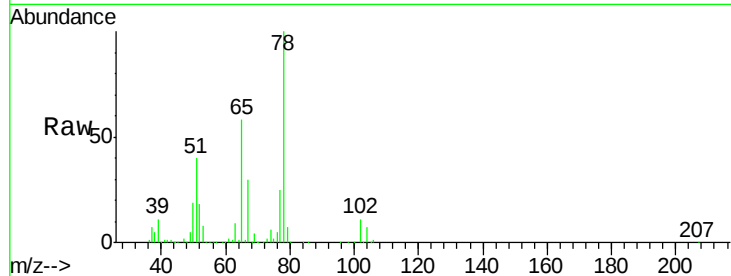
WP021SB487-13-15-180621MS

Tgt Ion: 65 Resp: 124904

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

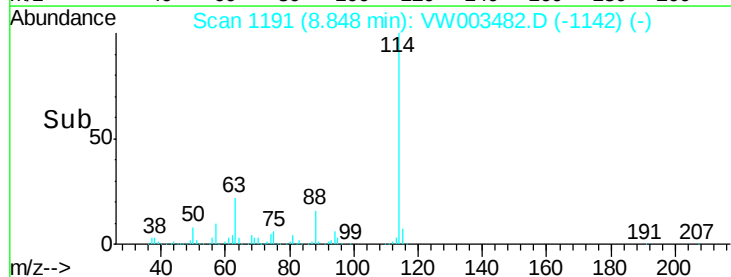
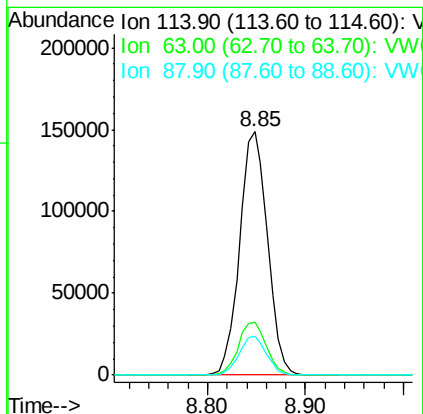
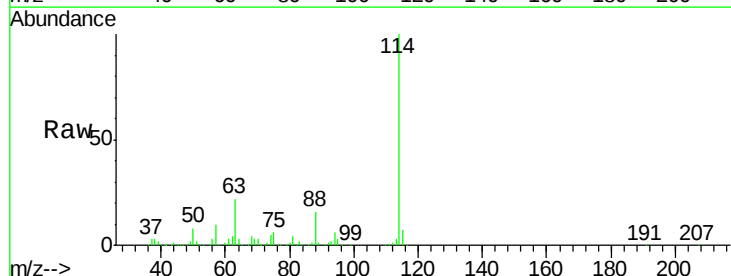
Tgt Ion: 114 Resp: 293295

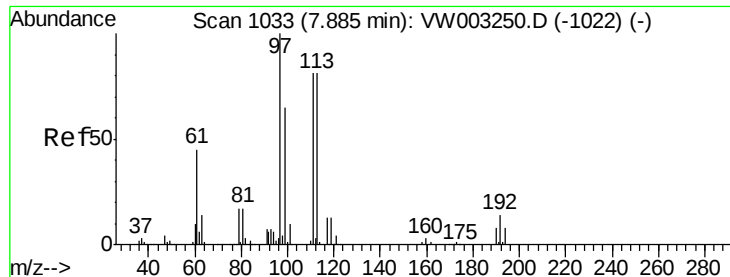
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

88 16.1 0.0 29.6

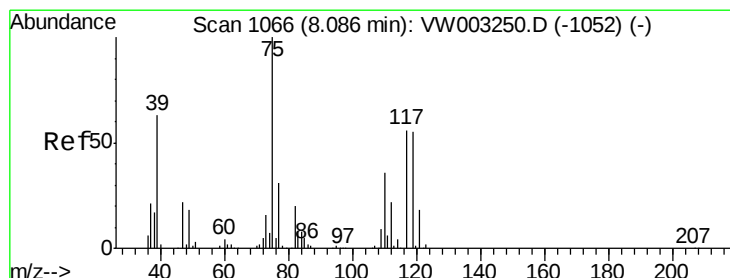
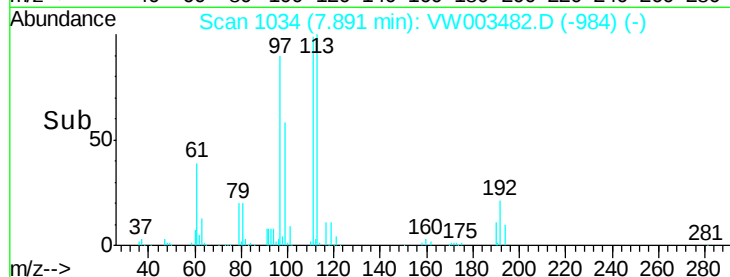
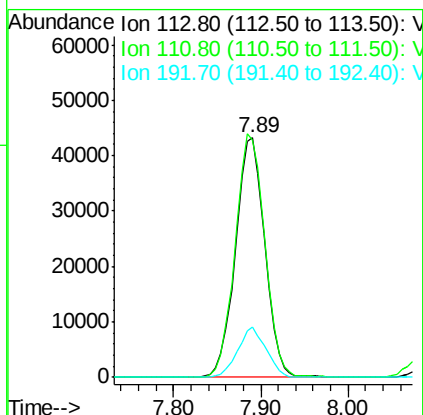
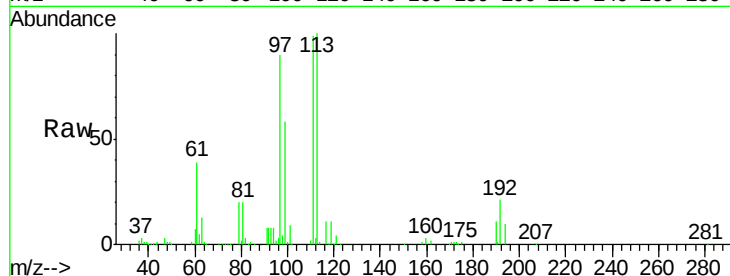




#35
 Dibromofluoromethane
 Concen: 55.225 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

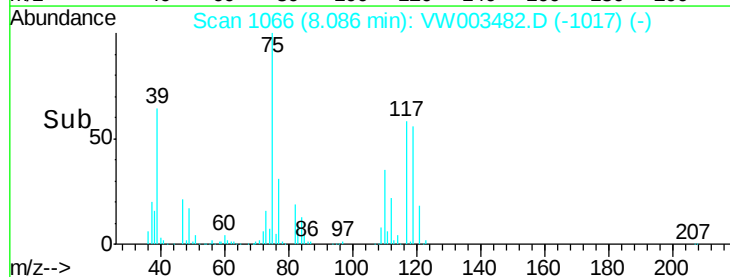
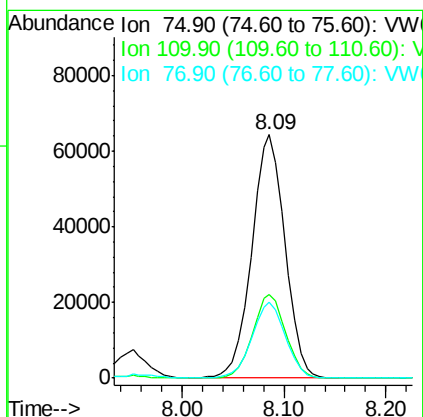
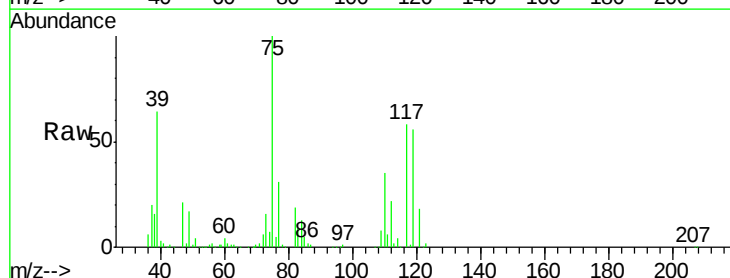
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MS

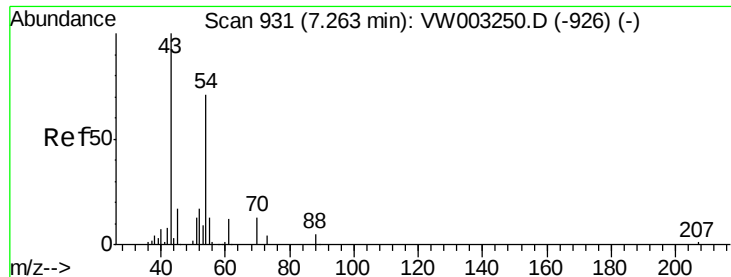
Tgt Ion: 113 Resp: 100644
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.2
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 51.437 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion: 75 Resp: 145694
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.1 51.3
 77 31.5 24.9 37.3

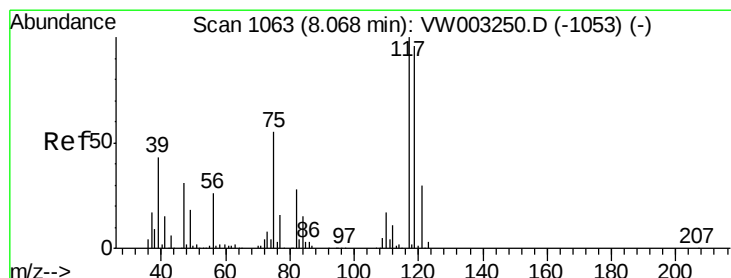
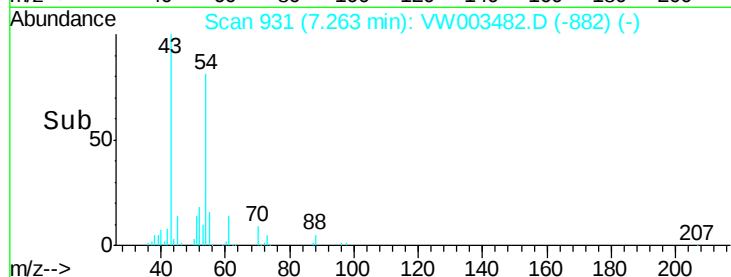
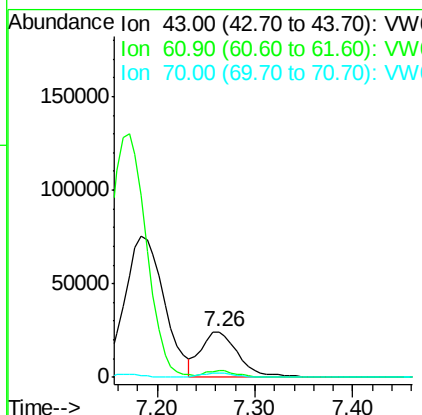
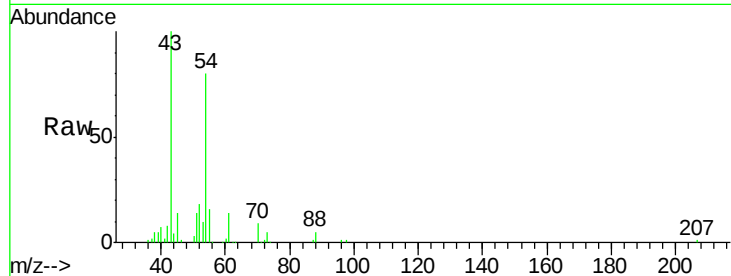




#37
 Ethyl Acetate
 Concen: 53.819 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

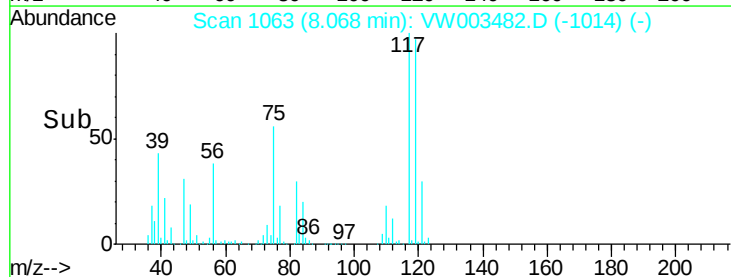
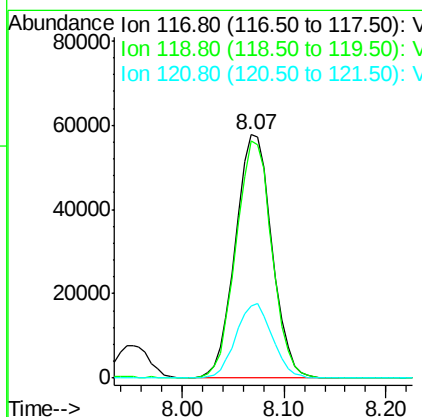
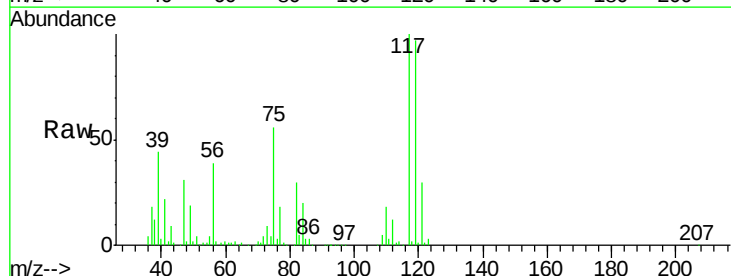
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MS

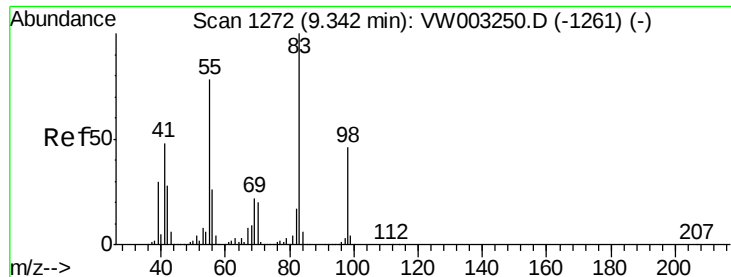
Tgt Ion: 43 Resp: 63152
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.8 16.2#
 70 9.3 7.8 11.6



#38
 Carbon Tetrachloride
 Concen: 51.723 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion: 117 Resp: 143707
 Ion Ratio Lower Upper
 117 100
 119 97.2 76.6 115.0
 121 29.8 23.9 35.9

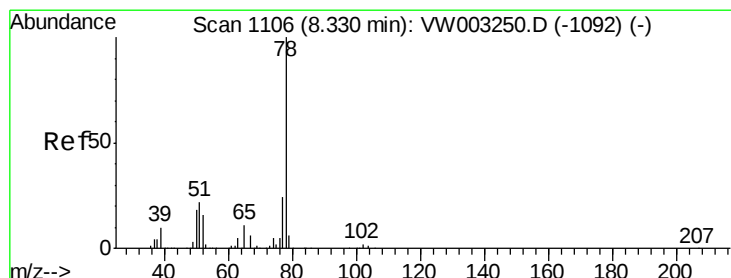
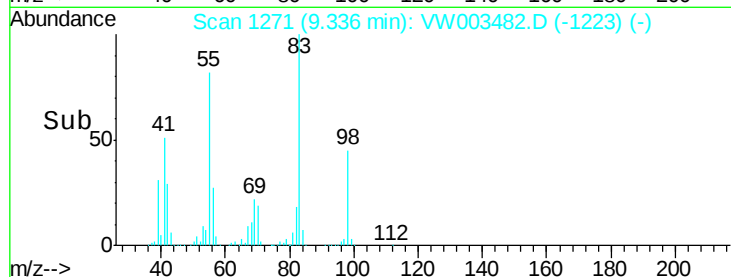
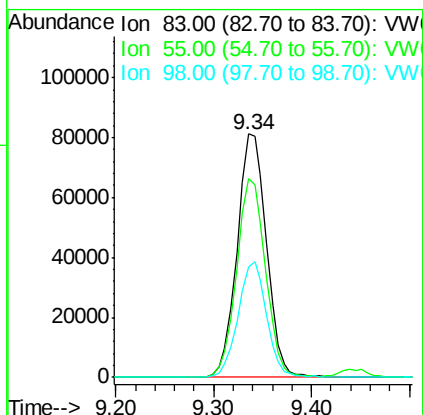
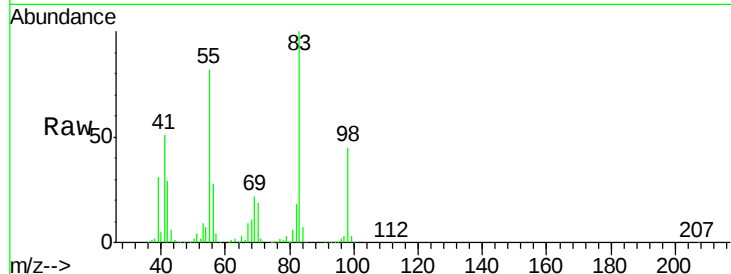




#39
Methylcyclohexane
Concen: 51.707 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

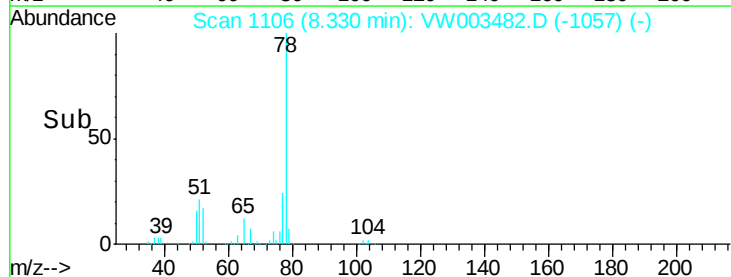
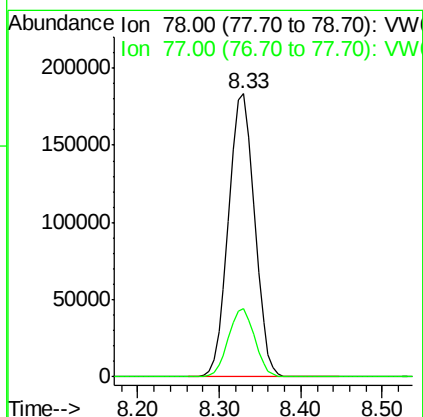
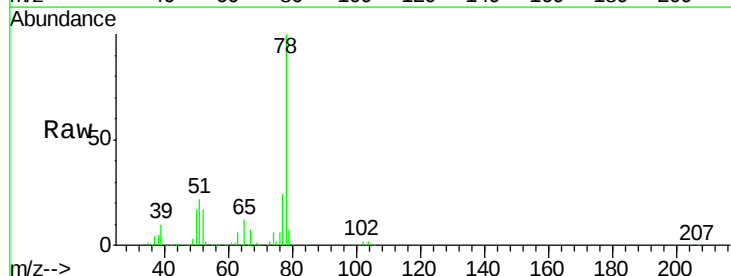
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MS

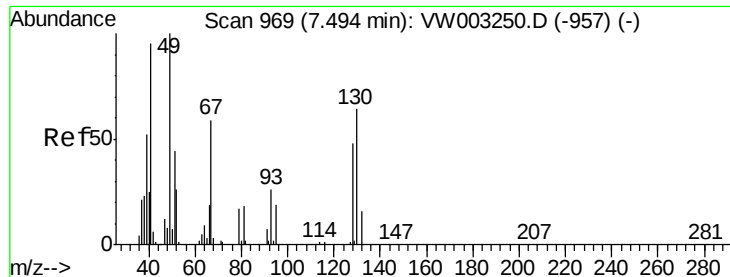
Tgt Ion: 83 Resp: 169462
Ion Ratio Lower Upper
83 100
55 81.7 62.6 93.8
98 45.4 37.0 55.4



#40
Benzene
Concen: 51.865 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion: 78 Resp: 404938
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6





#41

Methacrylonitrile

Concen: 72.850 ug/l

RT: 7.49 min Scan# 968

Delta R.T. -0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

Tgt Ion: 41 Resp: 52457

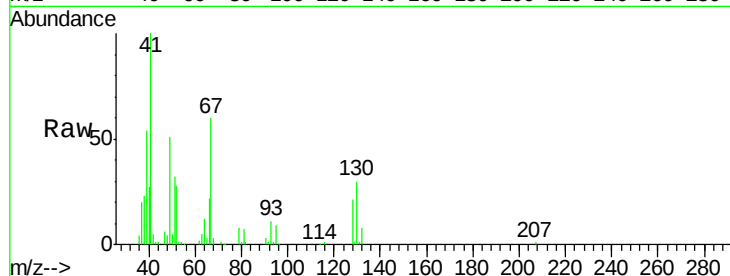
Ion Ratio Lower Upper

41 100

39 55.8 45.8 68.8

67 63.2 52.3 78.5

52 29.9 24.1 36.1

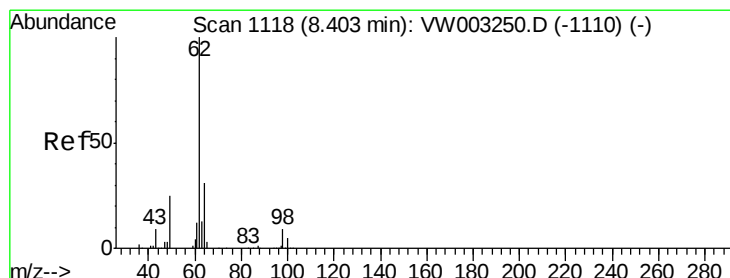
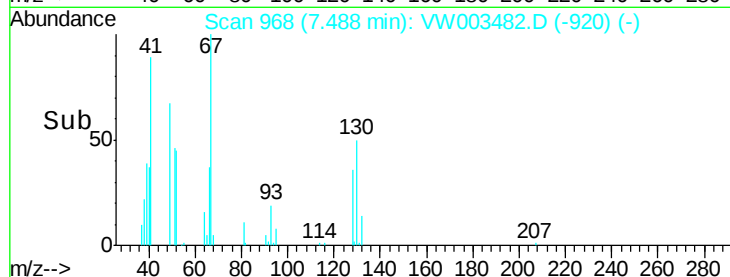
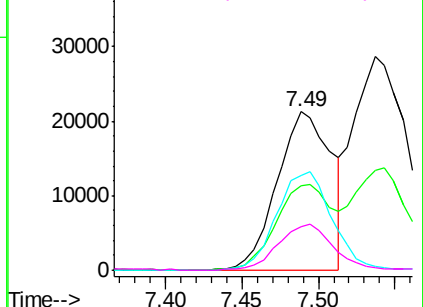


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 56.530 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003482.D

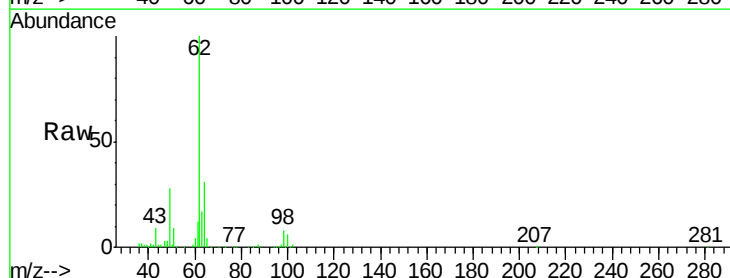
Acq: 24 Jun 2018 02:21

Tgt Ion: 62 Resp: 138280

Ion Ratio Lower Upper

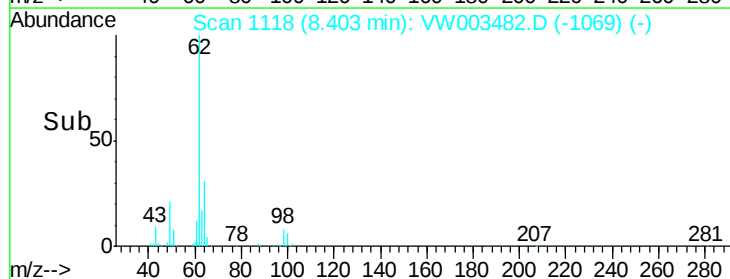
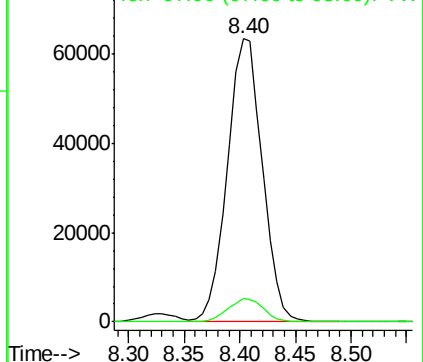
62 100

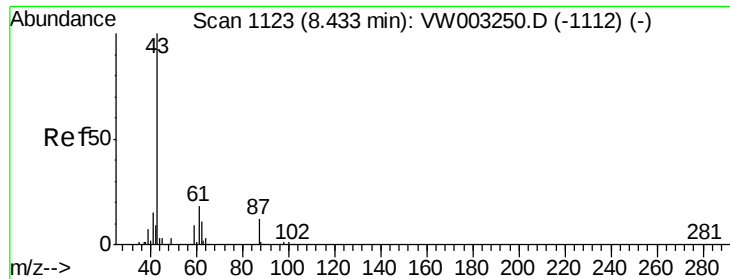
98 8.3 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

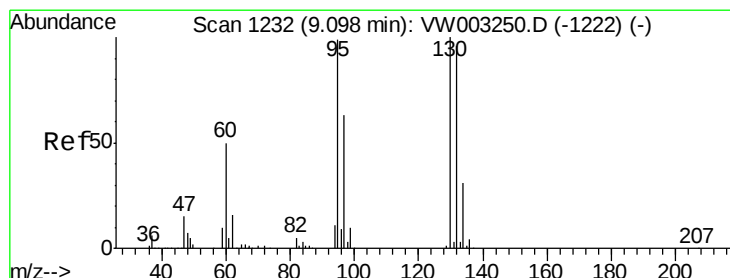
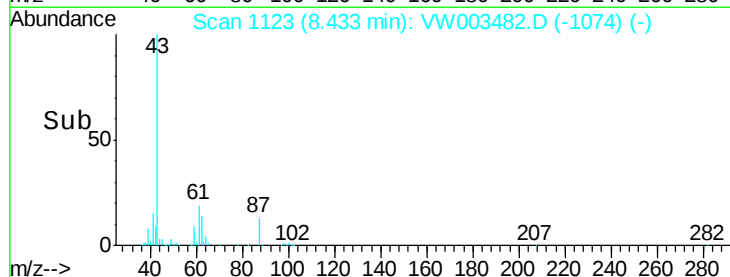
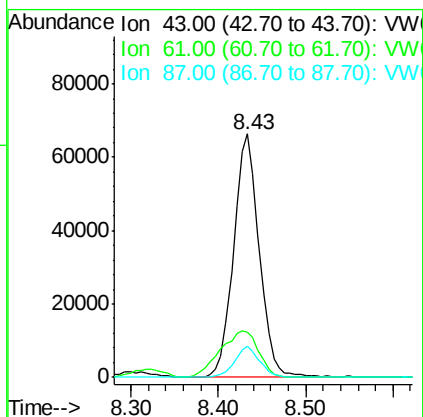
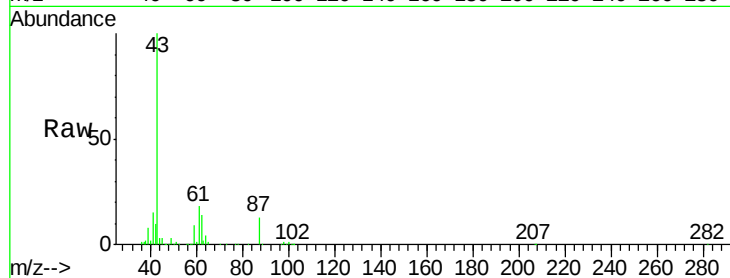




#43
Isopropyl Acetate
Concen: 57.656 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

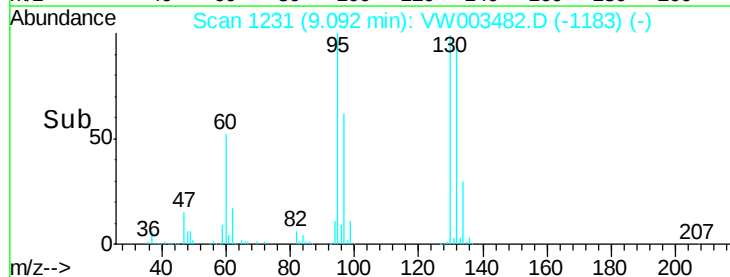
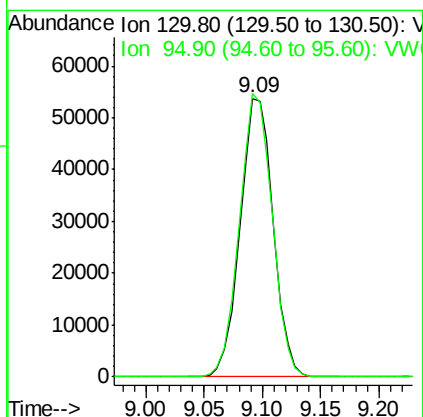
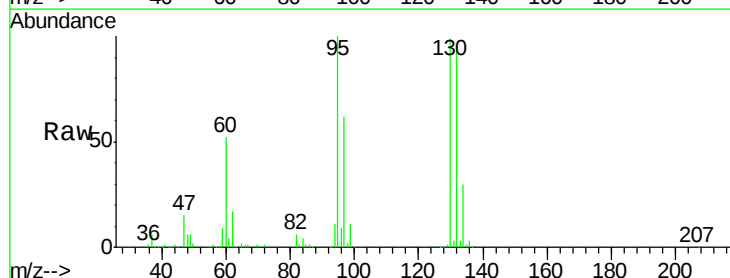
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MS

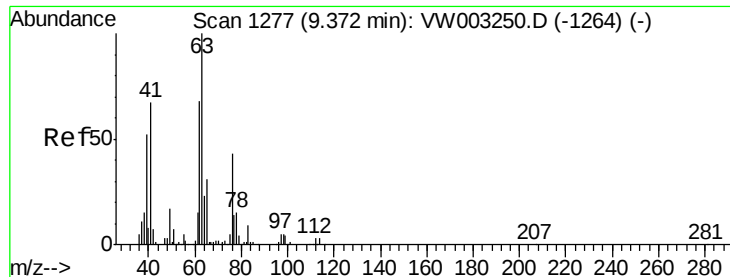
Tgt Ion: 43 Resp: 134338
Ion Ratio Lower Upper
43 100
61 28.9 23.1 34.7
87 12.3 9.8 14.6



#44
Trichloroethene
Concen: 51.403 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion: 130 Resp: 106343
Ion Ratio Lower Upper
130 100
95 101.5 0.0 198.0





#45

1,2-Dichloropropane

Concen: 52.717 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

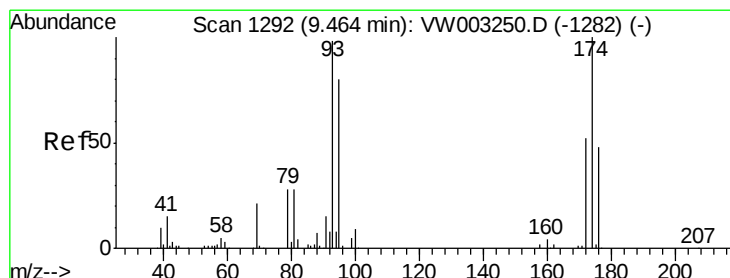
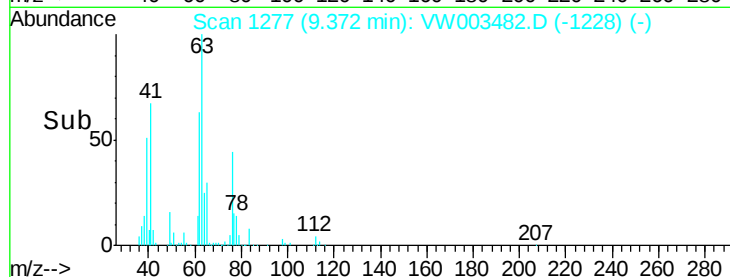
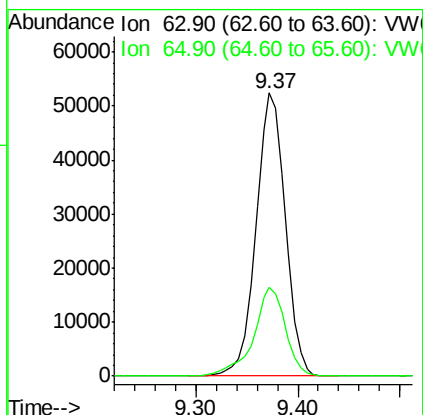
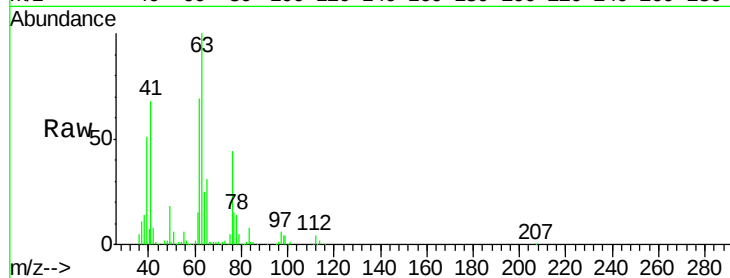
WP021SB487-13-15-180621MS

Tgt Ion: 63 Resp: 104796

Ion Ratio Lower Upper

63 100

65 31.4 25.1 37.7



#46

Dibromomethane

Concen: 58.877 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

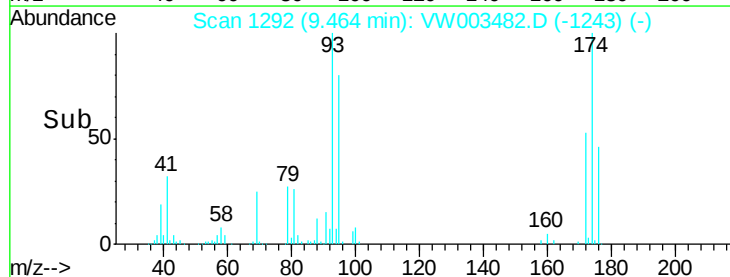
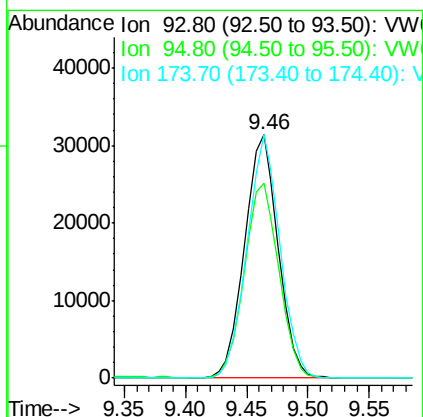
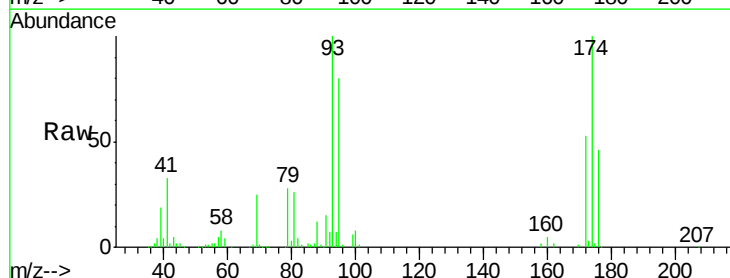
Tgt Ion: 93 Resp: 59923

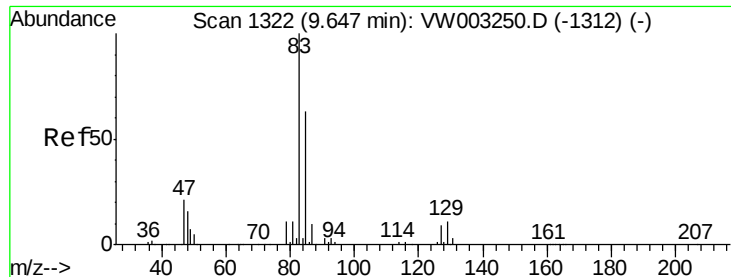
Ion Ratio Lower Upper

93 100

95 82.4 65.8 98.8

174 98.4 81.4 122.0





#47

Bromodichloromethane

Concen: 53.187 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

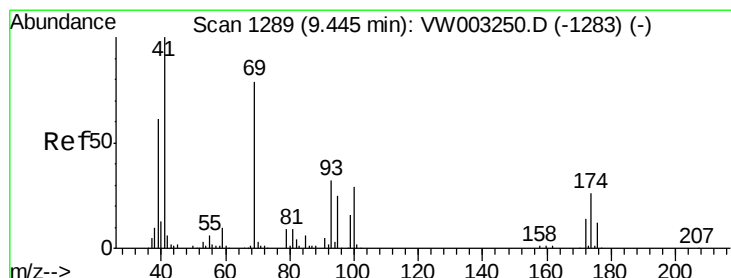
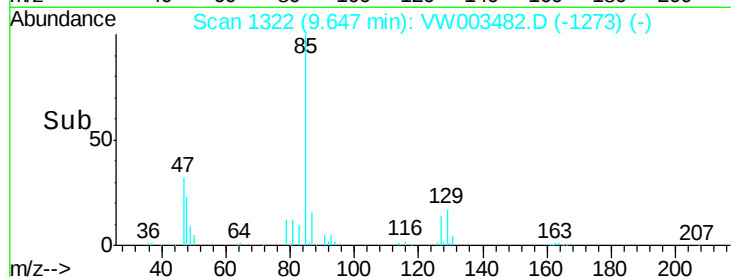
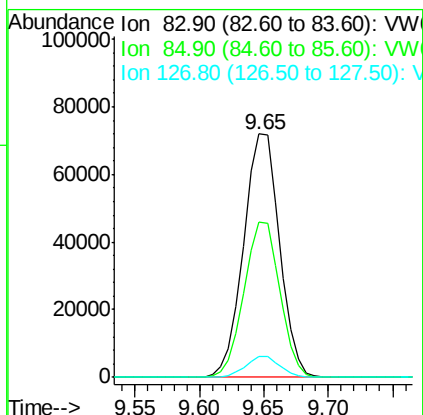
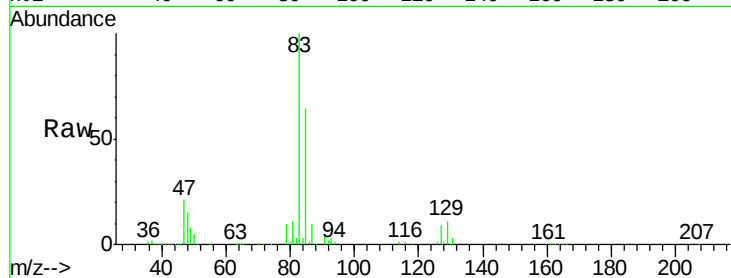
Tgt Ion: 83 Resp: 138756

Ion Ratio Lower Upper

83 100

85 63.6 50.6 75.8

127 8.7 6.8 10.2



#48

Methyl methacrylate

Concen: 75.582 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

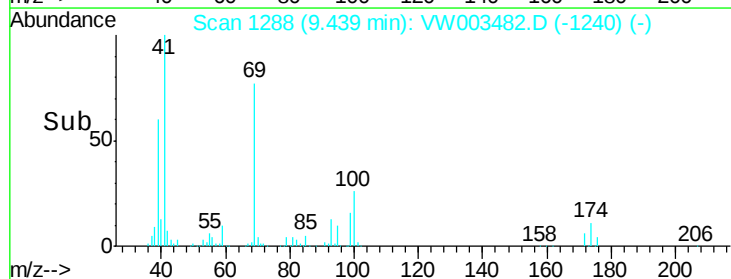
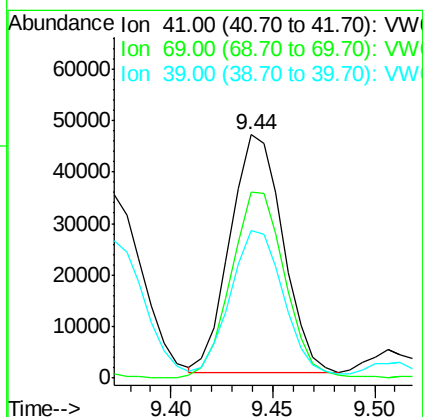
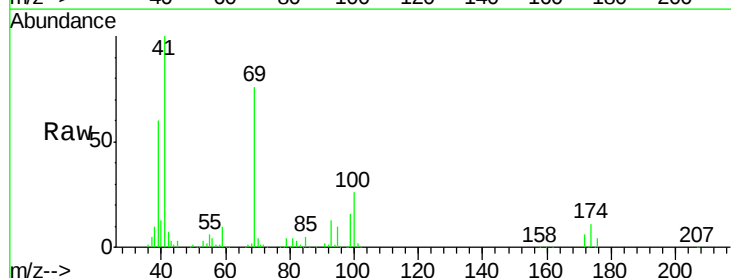
Tgt Ion: 41 Resp: 82761

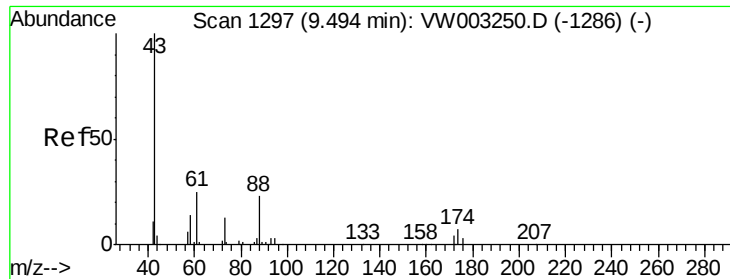
Ion Ratio Lower Upper

41 100

69 79.2 65.4 98.2

39 64.1 54.2 81.2





#49

1,4-Dioxane

Concen: 1569.654 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. -0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

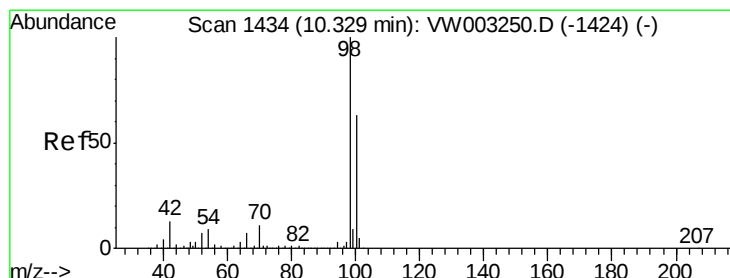
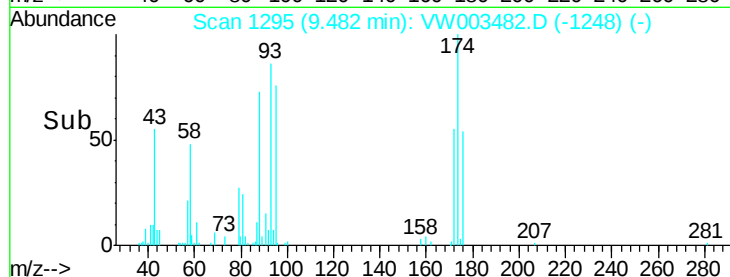
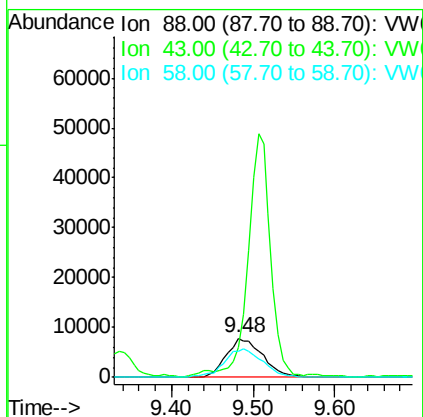
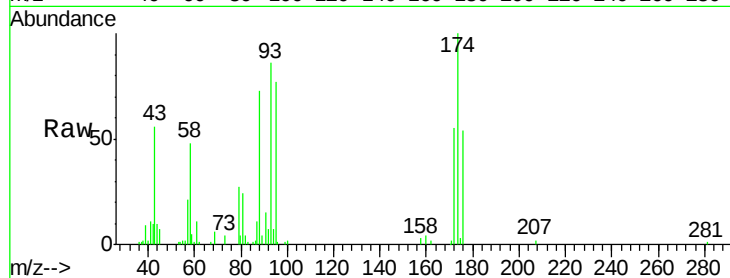
Tgt Ion: 88 Resp: 24121

Ion Ratio Lower Upper

88 100

43 0.0 454.7 682.1#

58 77.4 58.6 88.0



#50

Toluene-d8

Concen: 55.381 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003482.D

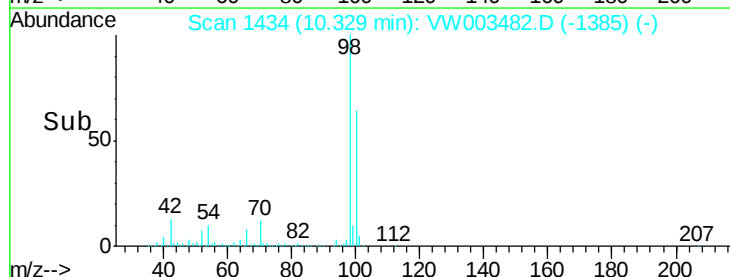
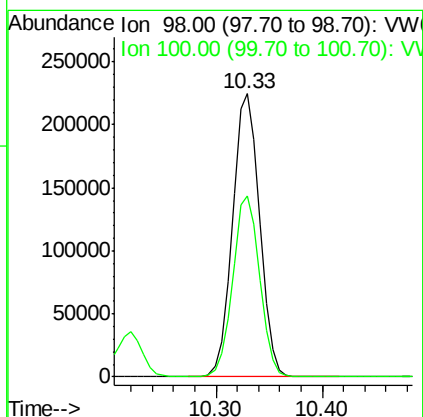
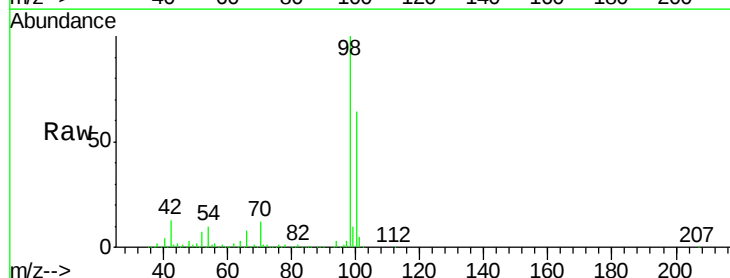
Acq: 24 Jun 2018 02:21

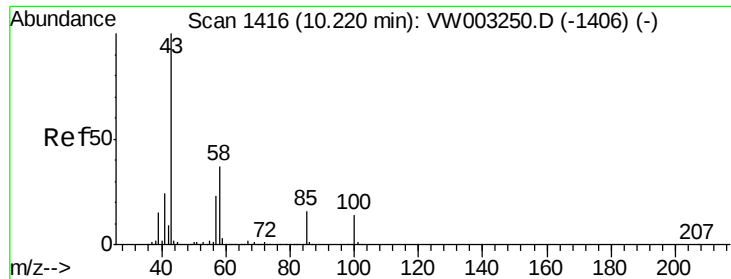
Tgt Ion: 98 Resp: 400206

Ion Ratio Lower Upper

98 100

100 63.6 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 383.311 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

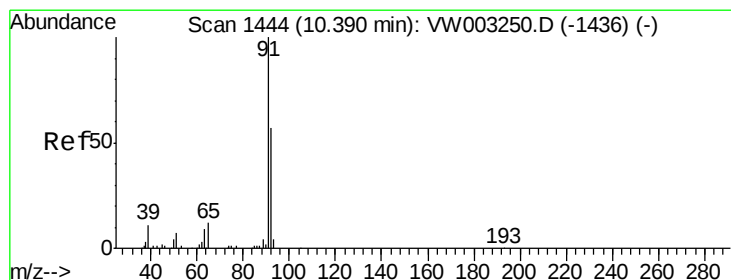
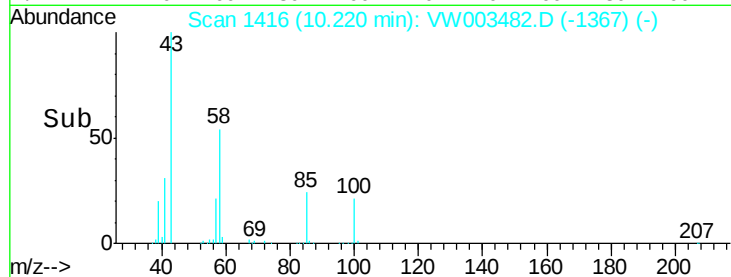
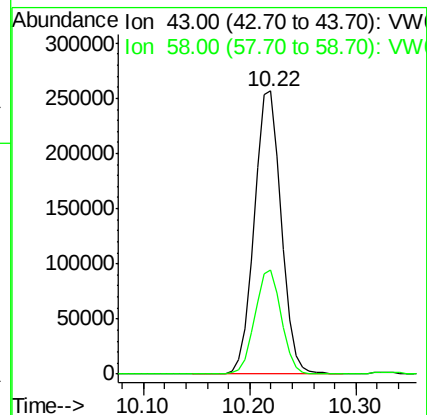
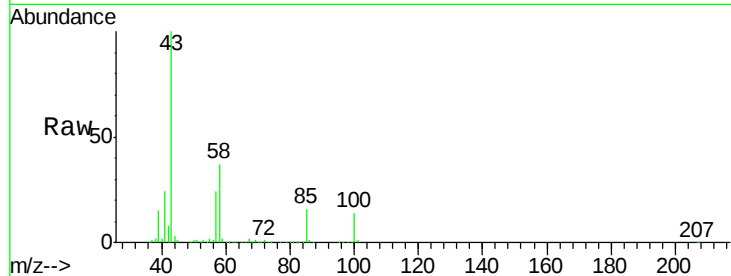
WP021SB487-13-15-180621MS

Tgt Ion: 43 Resp: 455087

Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.4



#52

Toluene

Concen: 51.078 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003482.D

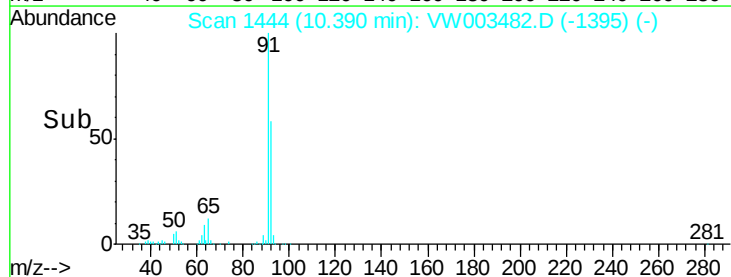
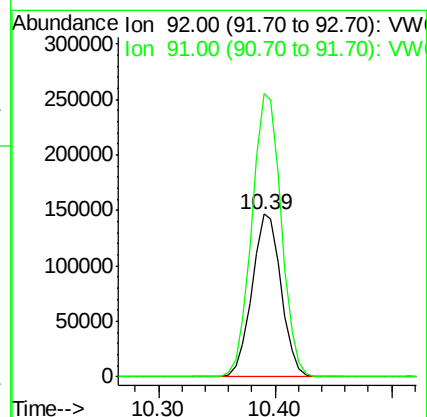
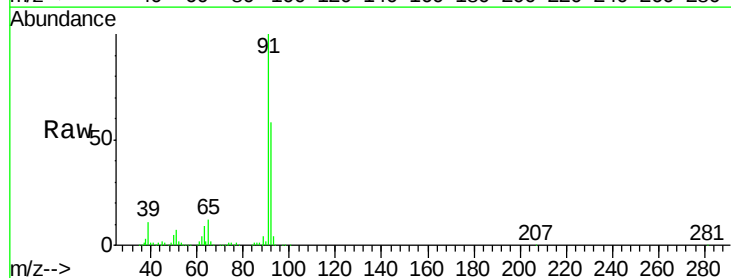
Acq: 24 Jun 2018 02:21

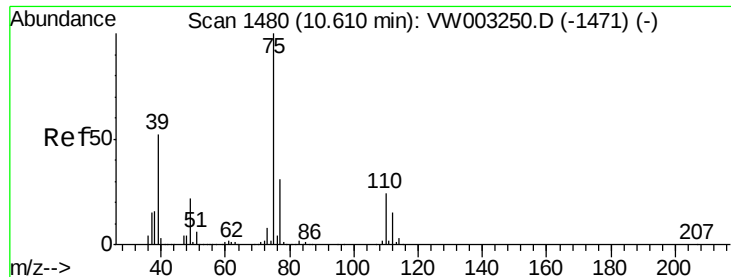
Tgt Ion: 92 Resp: 255730

Ion Ratio Lower Upper

92 100

91 175.7 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 56.141 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

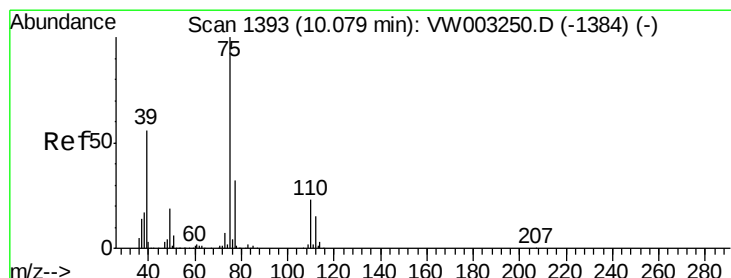
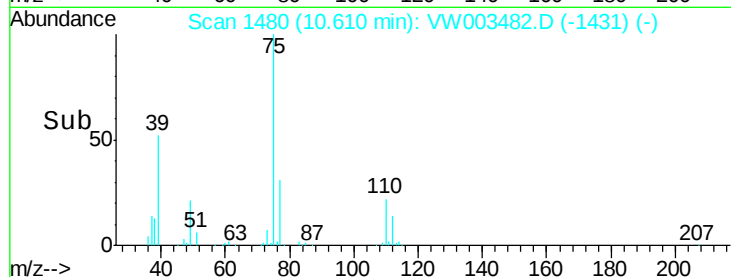
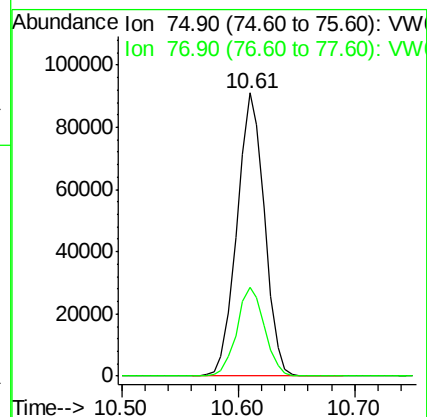
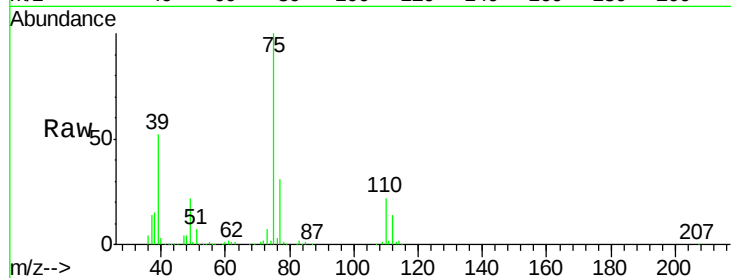
WP021SB487-13-15-180621MS

Tgt Ion: 75 Resp: 149611

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 52.263 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

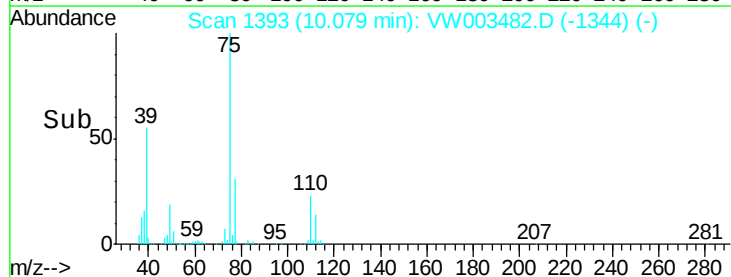
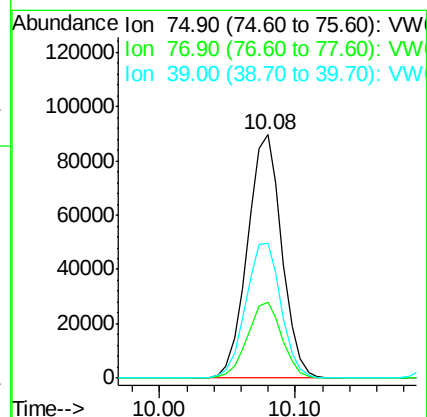
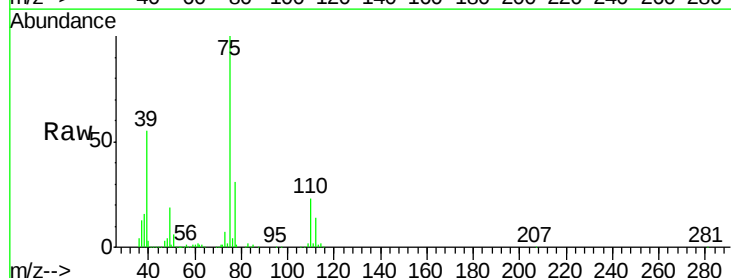
Tgt Ion: 75 Resp: 158520

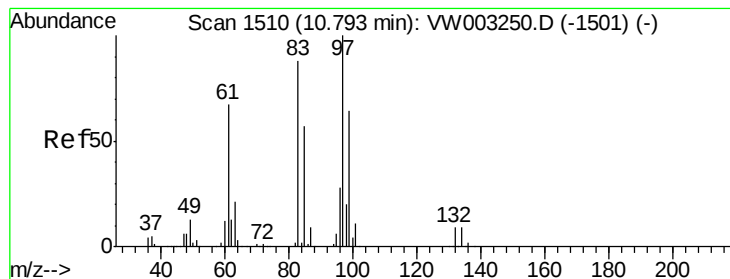
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

39 55.4 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 60.159 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

Tgt Ion: 97 Resp: 86279

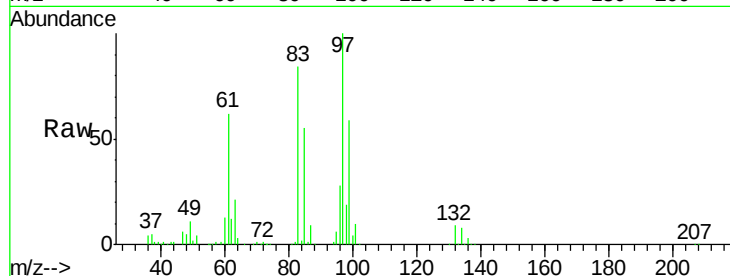
Ion Ratio Lower Upper

97 100

83 84.0 70.2 105.2

85 54.7 45.6 68.4

99 59.1 51.2 76.8

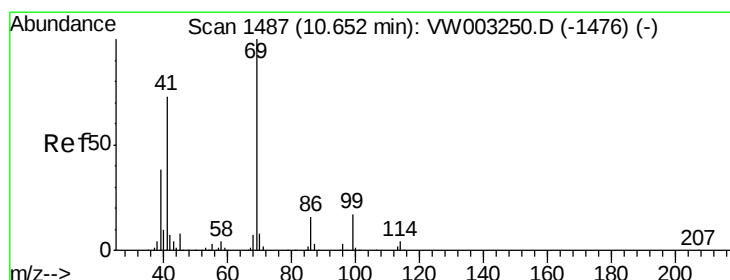
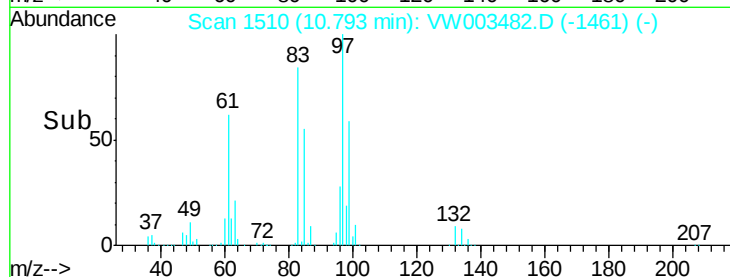
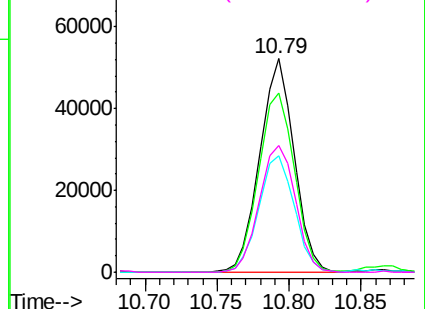


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 63.103 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

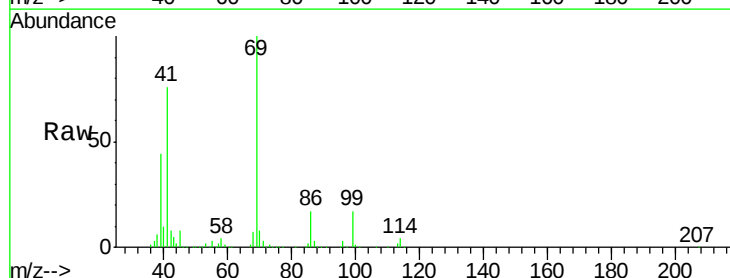
Tgt Ion: 69 Resp: 109897

Ion Ratio Lower Upper

69 100

41 73.2 57.8 86.6

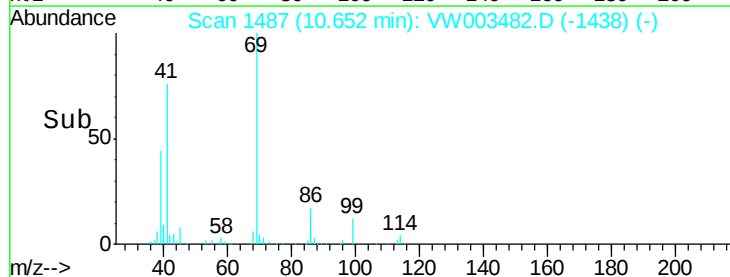
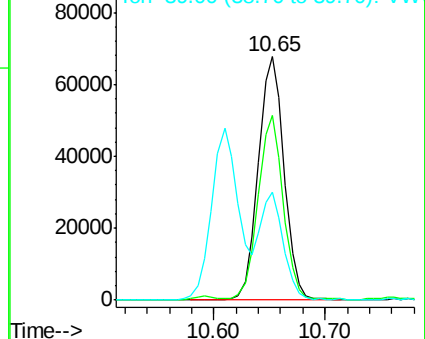
39 40.0 32.7 49.1



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 59.666 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

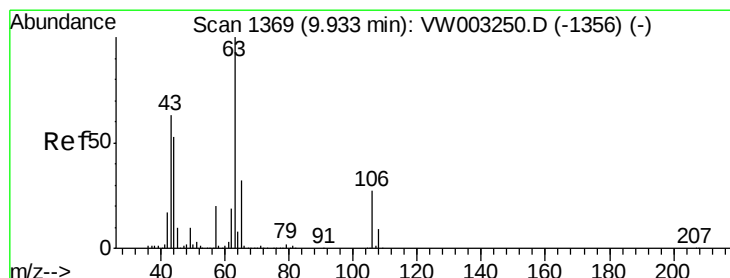
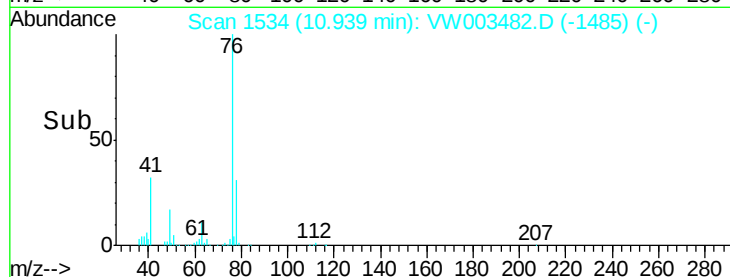
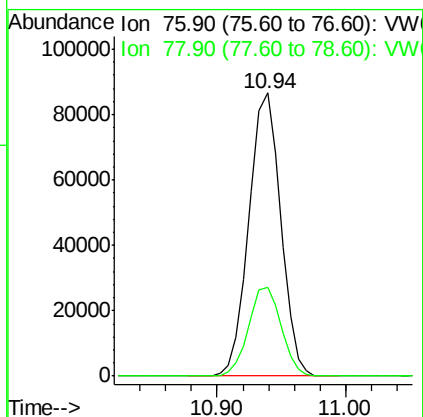
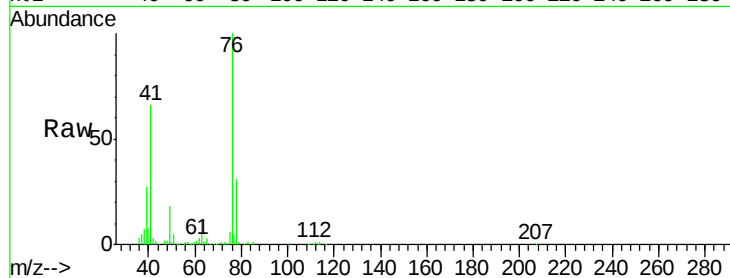
WP021SB487-13-15-180621MS

Tgt Ion: 76 Resp: 147585

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 343.947 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VW003482.D

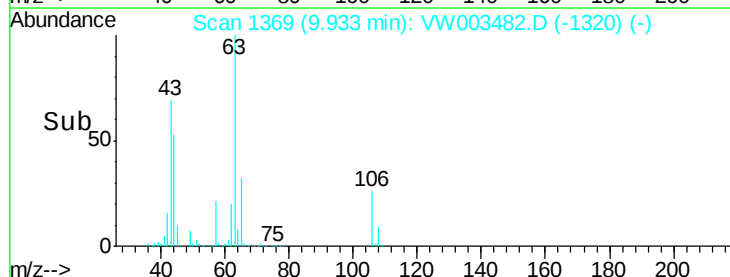
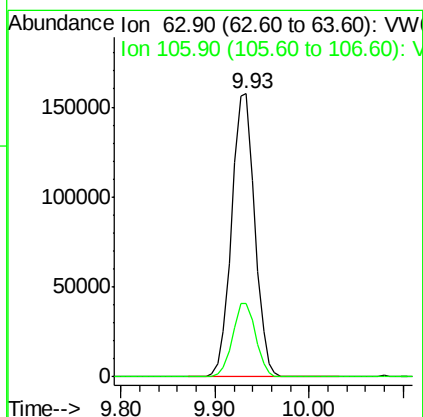
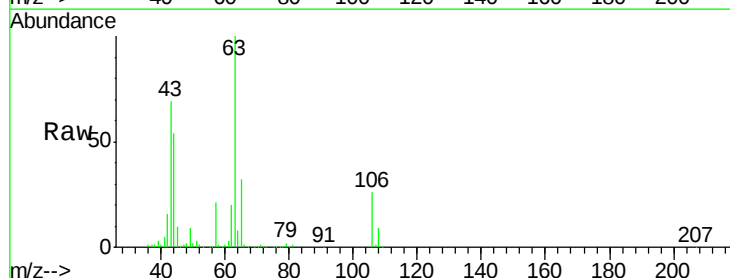
Acq: 24 Jun 2018 02:21

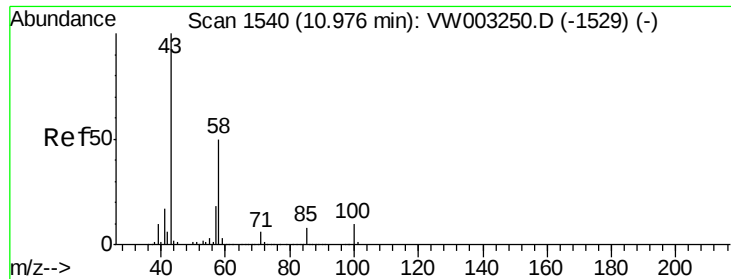
Tgt Ion: 63 Resp: 268521

Ion Ratio Lower Upper

63 100

106 26.1 21.8 32.8

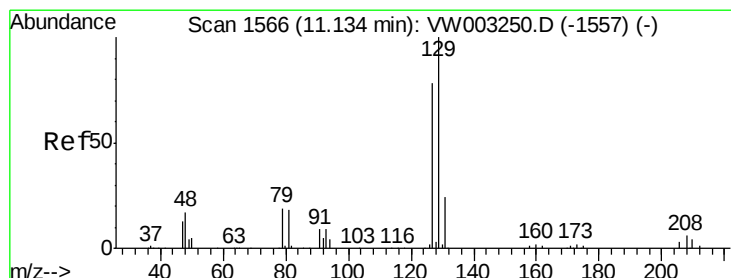
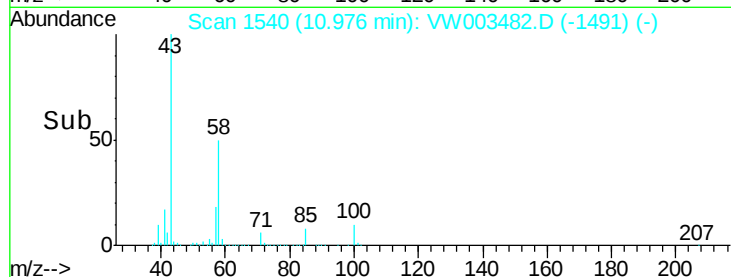
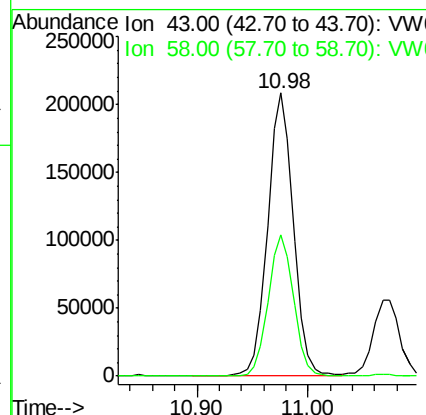
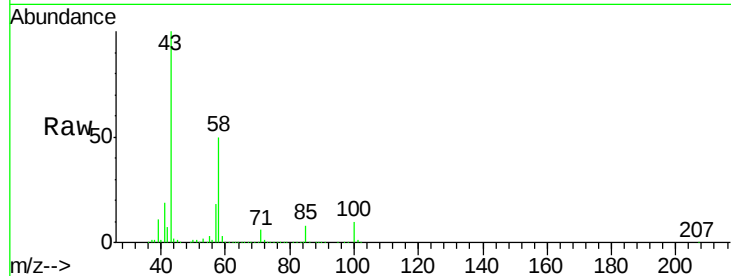




#59
2-Hexanone
Concen: 405.480 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

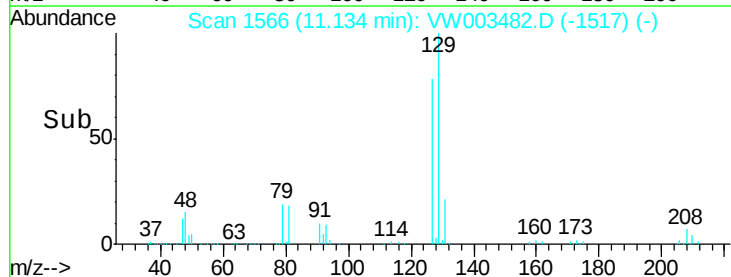
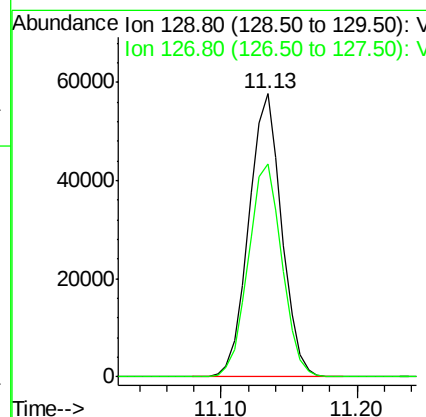
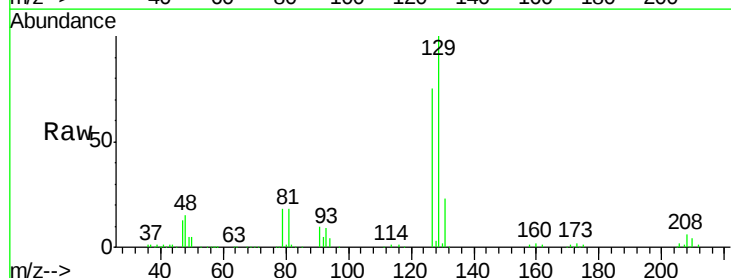
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MS

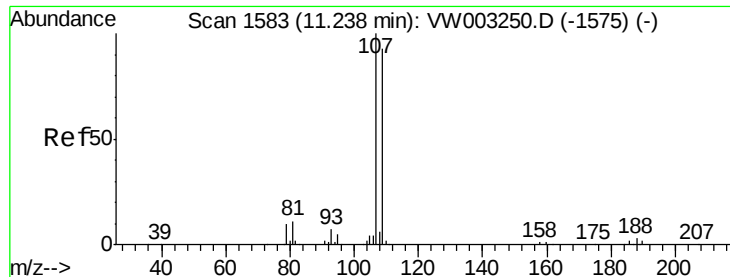
Tgt Ion: 43 Resp: 336305
Ion Ratio Lower Upper
43 100
58 49.4 25.0 75.0



#60
Dibromochloromethane
Concen: 57.270 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion: 129 Resp: 97676
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.5

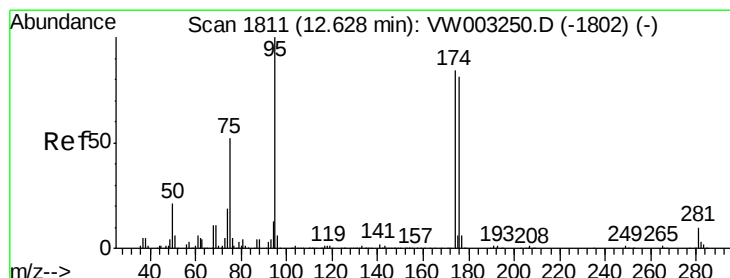
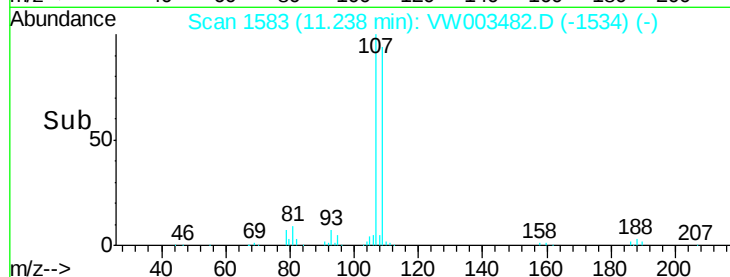
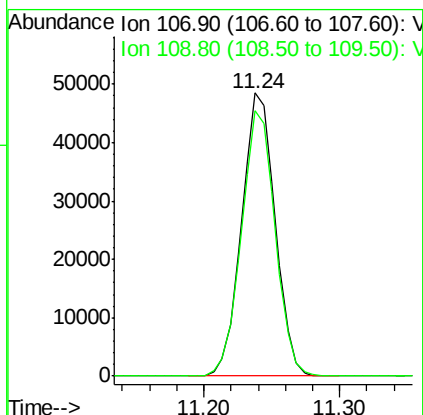
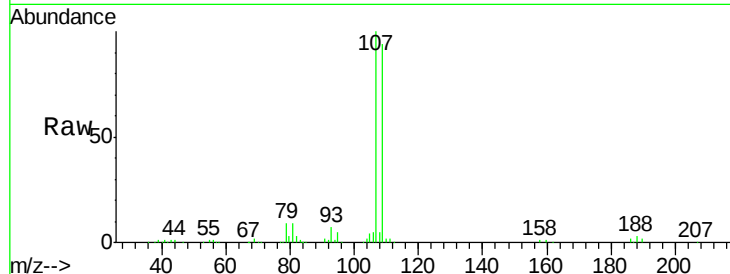




#61
 1,2-Dibromoethane
 Concen: 61.552 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

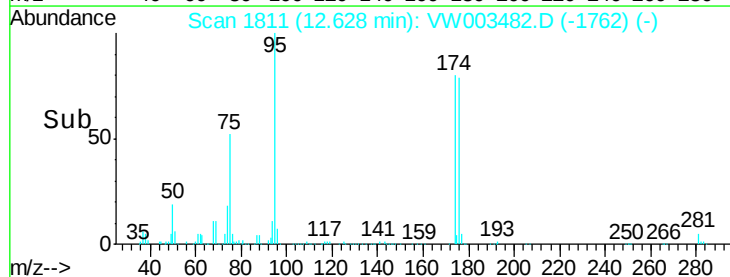
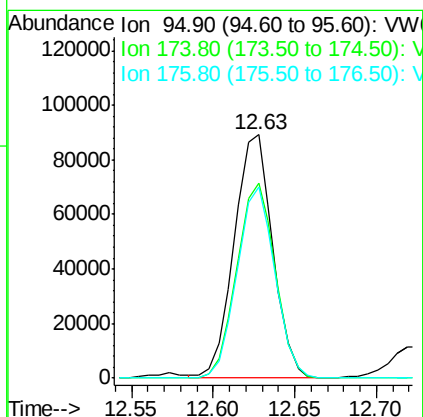
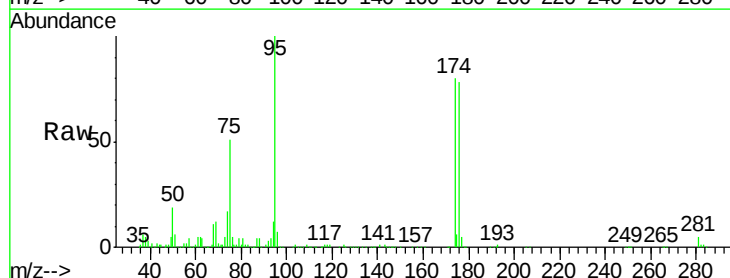
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MS

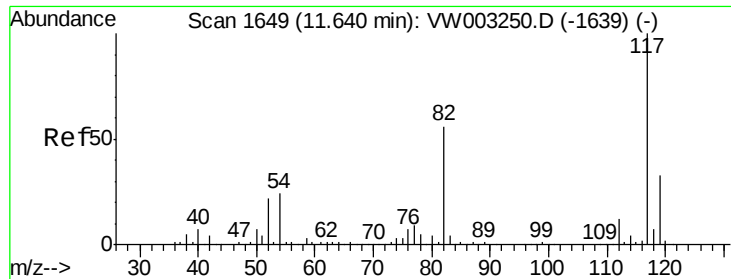
Tgt Ion: 107 Resp: 83502
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 57.096 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion: 95 Resp: 146016
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 166.4
 176 77.4 0.0 162.0

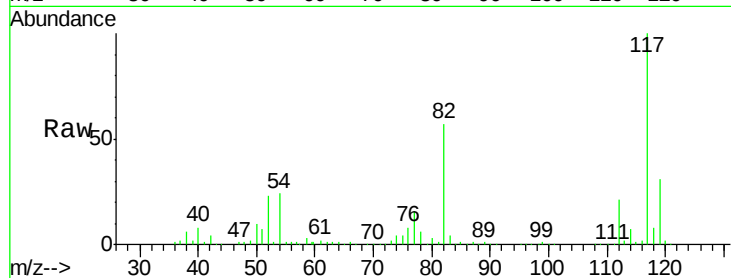




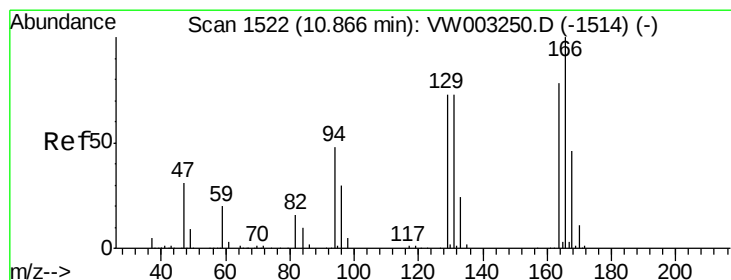
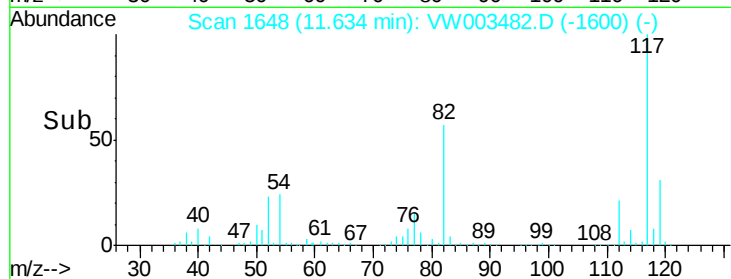
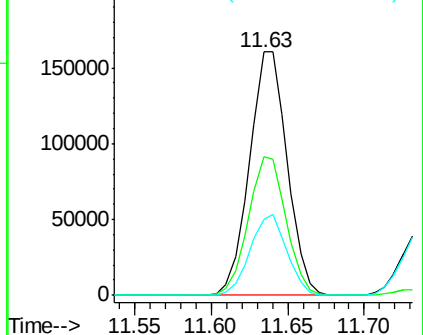
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

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

Tgt Ion:117 Resp: 275661
Ion Ratio Lower Upper
117 100
82 57.1 44.6 67.0
119 31.1 26.7 40.1



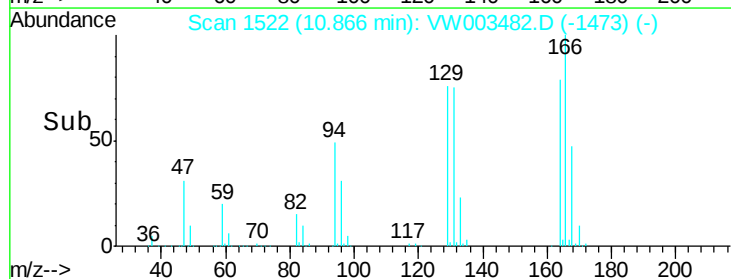
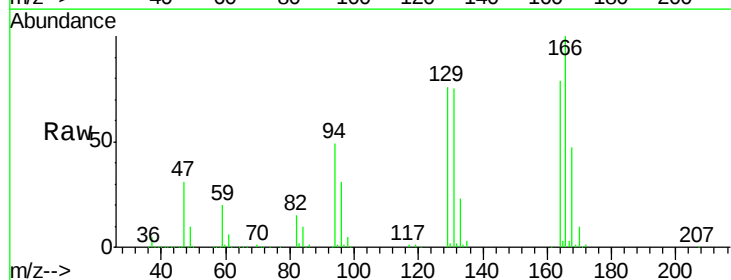
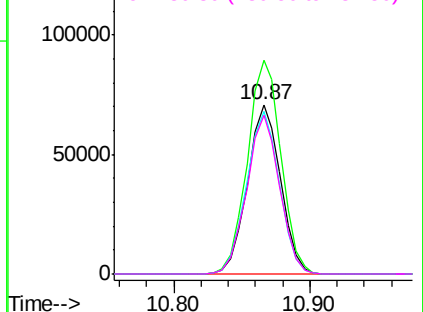
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

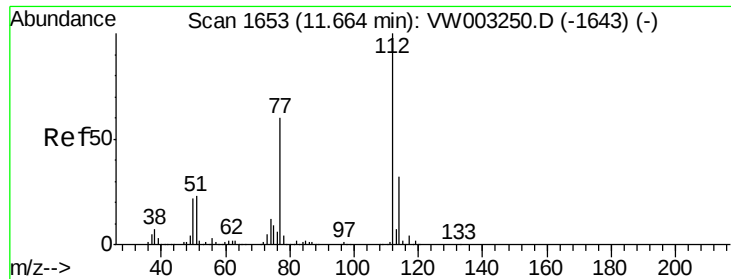


#64
Tetrachloroethene
Concen: 65.432 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion:164 Resp: 120642
Ion Ratio Lower Upper
164 100
166 126.1 102.6 154.0
129 95.9 75.2 112.8
131 94.1 75.0 112.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 327.778 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

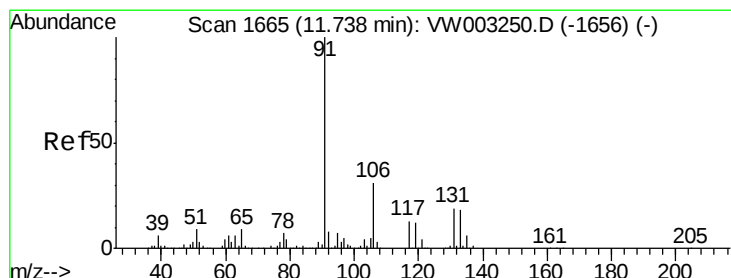
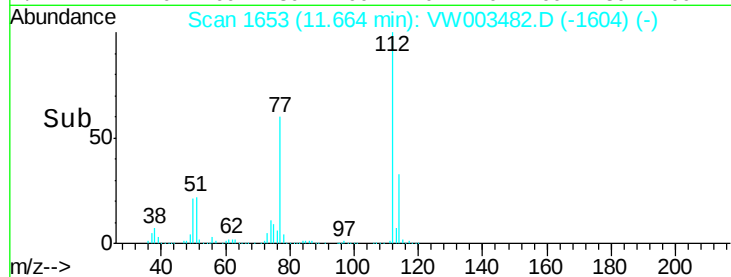
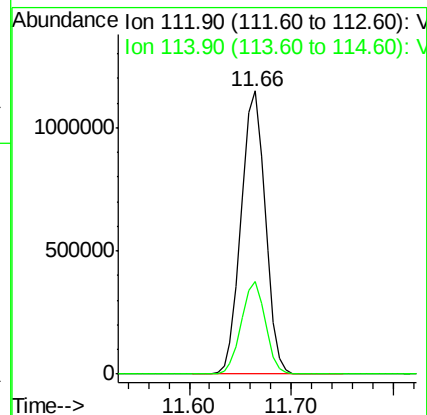
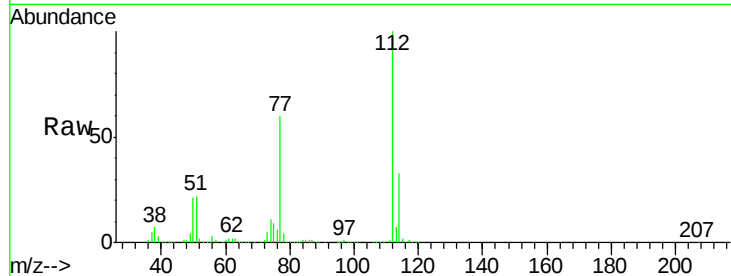
WP021SB487-13-15-180621MS

Tgt Ion:112 Resp: 1881581

Ion Ratio Lower Upper

112 100

114 32.5 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 50.741 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

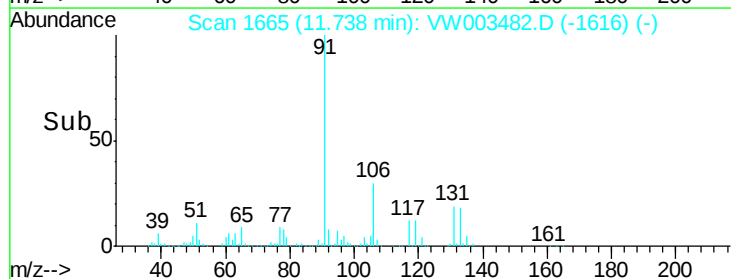
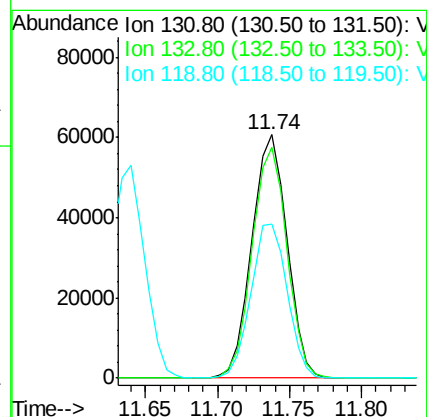
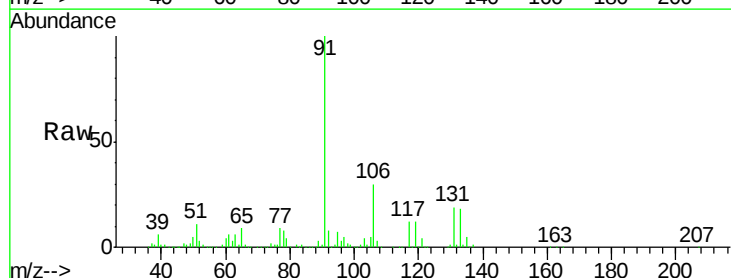
Tgt Ion:131 Resp: 102359

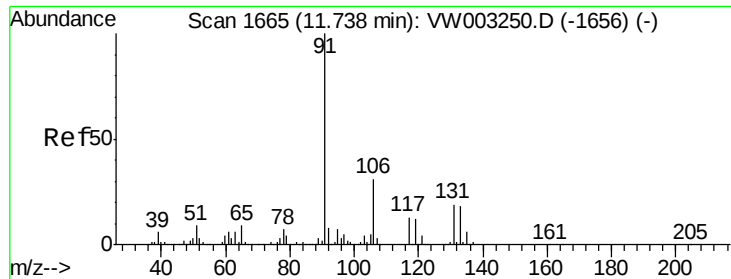
Ion Ratio Lower Upper

131 100

133 93.9 47.3 142.0

119 65.1 32.5 97.4

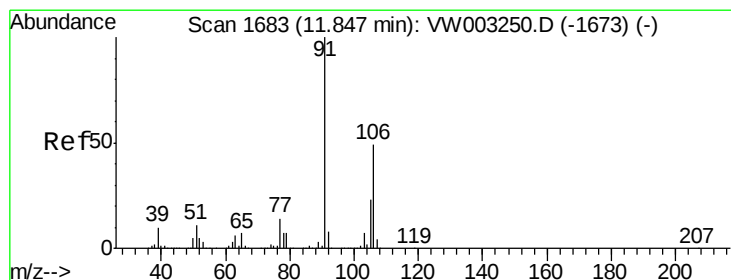
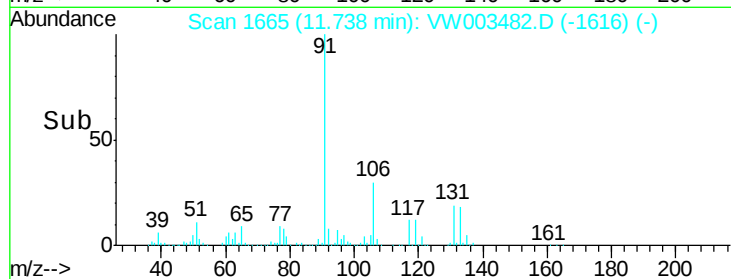
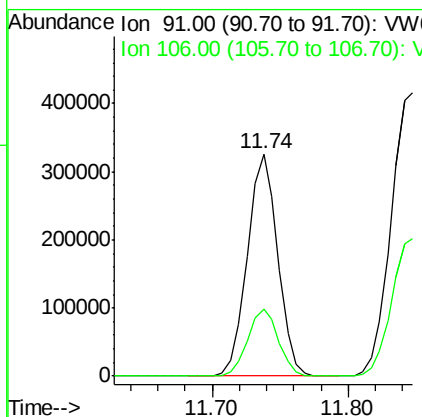
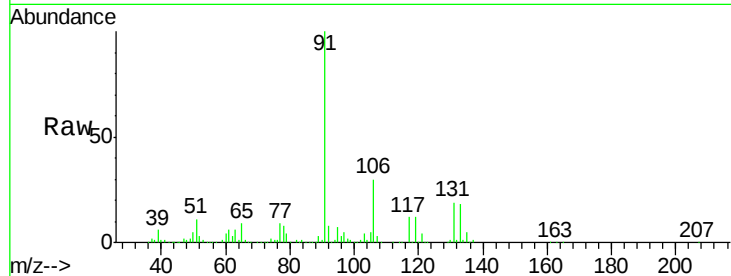




#67
Ethyl Benzene
Concen: 50.135 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

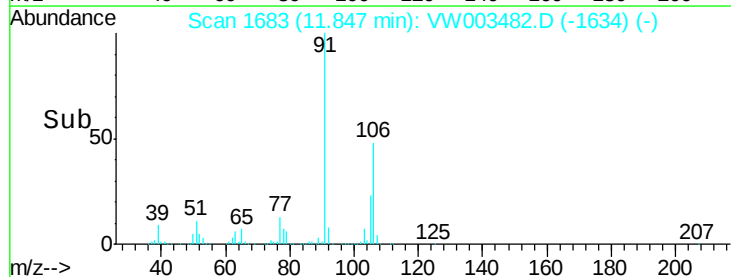
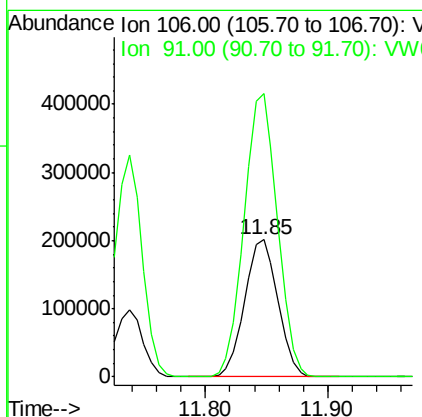
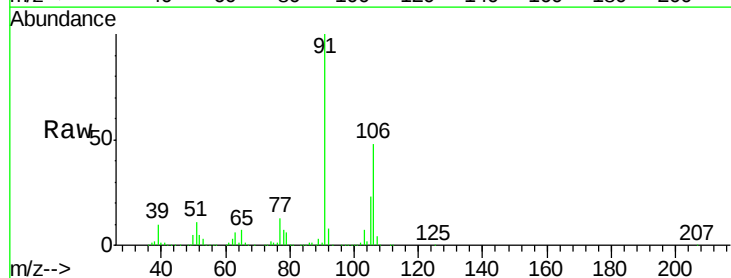
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MS

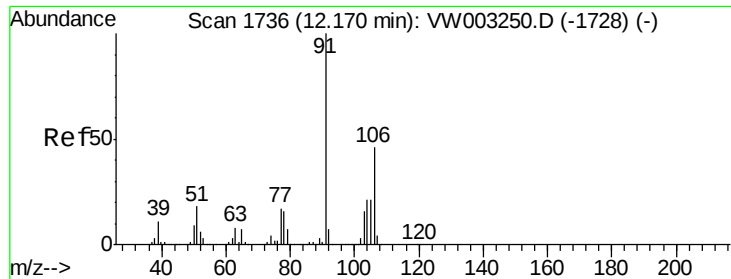
Tgt Ion: 91 Resp: 510151
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#68
m/p-Xylenes
Concen: 98.201 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion: 106 Resp: 379853
Ion Ratio Lower Upper
106 100
91 206.8 165.4 248.0

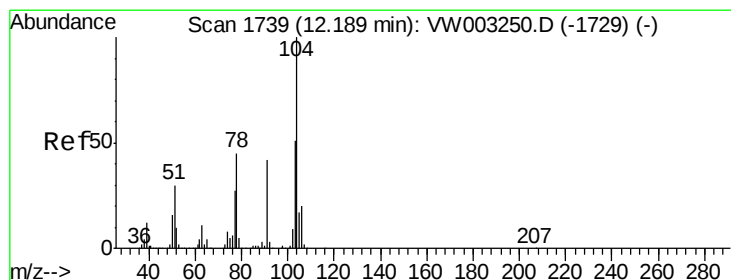
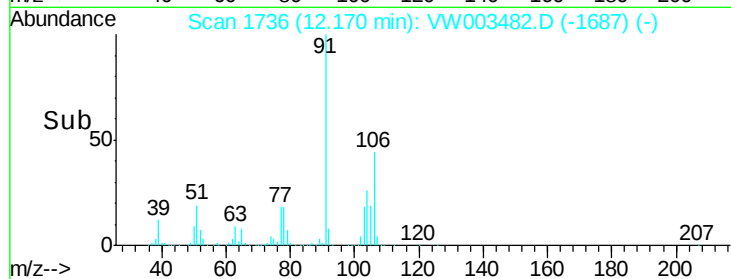
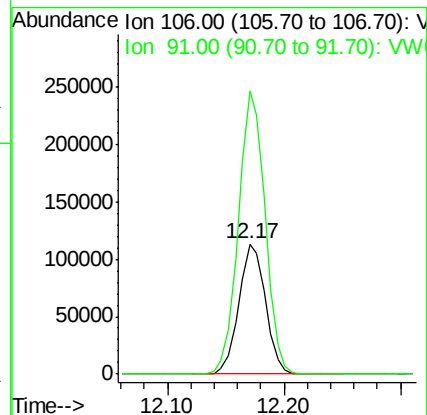
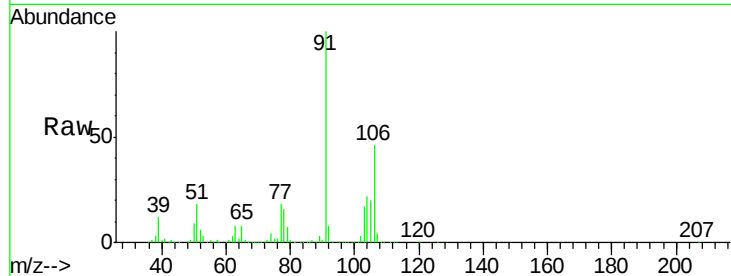




#69
o-Xylene
Concen: 50.479 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

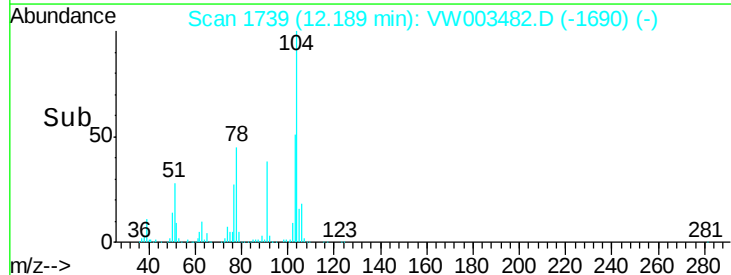
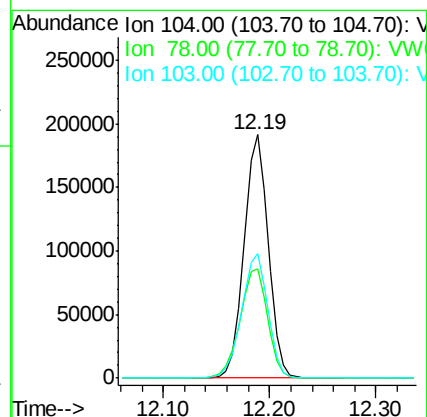
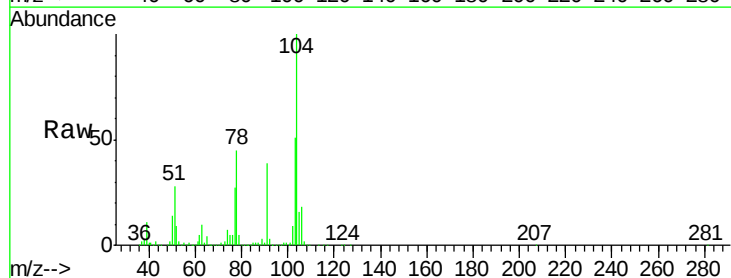
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MS

Tgt Ion:106 Resp: 180959
Ion Ratio Lower Upper
106 100
91 217.4 108.6 325.6



#70
Styrene
Concen: 51.417 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion:104 Resp: 306806
Ion Ratio Lower Upper
104 100
78 51.0 41.3 61.9
103 55.3 45.0 67.4





#71

Bromoform

Concen: 60.969 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

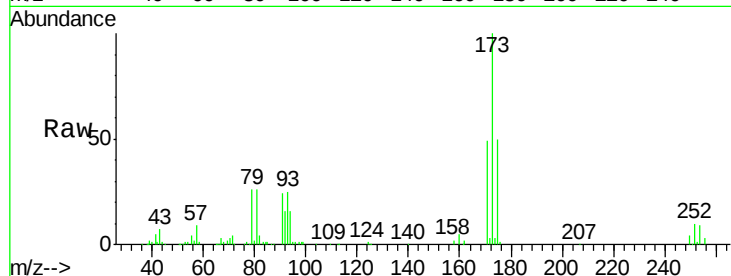
Tgt Ion:173 Resp: 63742

Ion Ratio Lower Upper

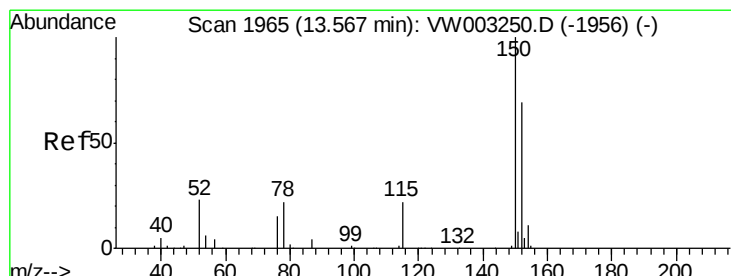
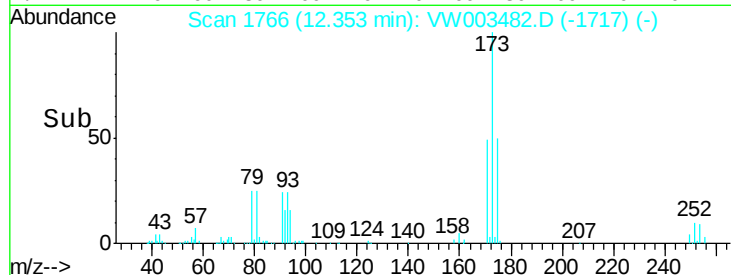
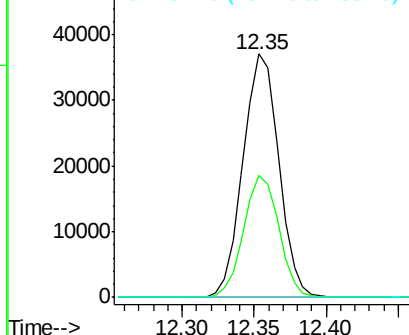
173 100

175 49.3 24.4 73.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

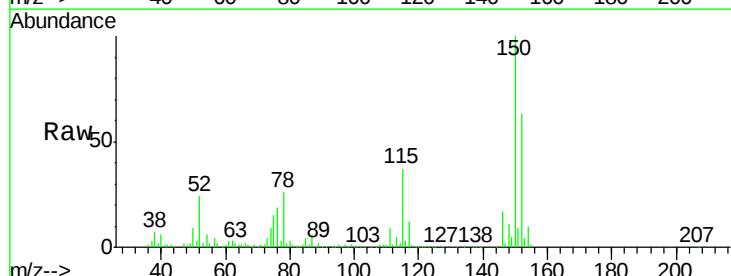
Tgt Ion:152 Resp: 146868

Ion Ratio Lower Upper

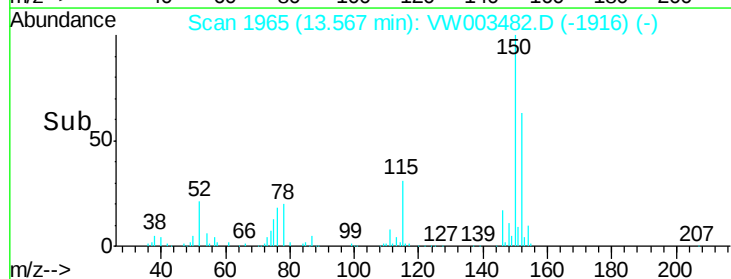
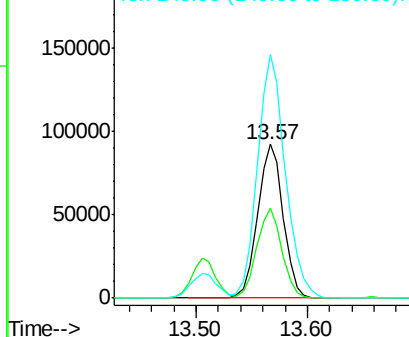
152 100

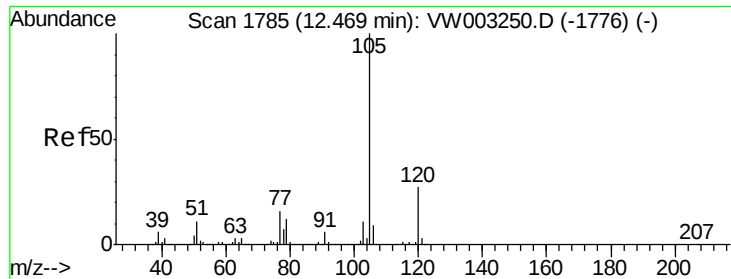
115 57.2 29.3 88.0

150 173.1 0.0 349.6



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





#73

Isopropylbenzene

Concen: 49.606 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

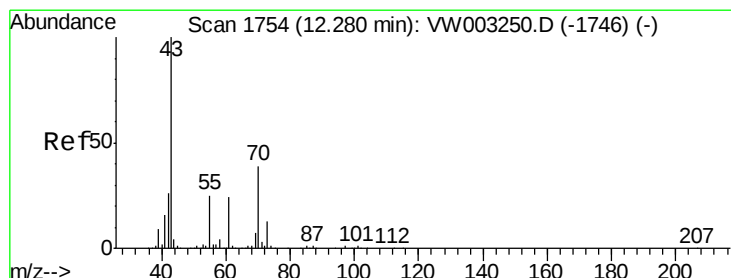
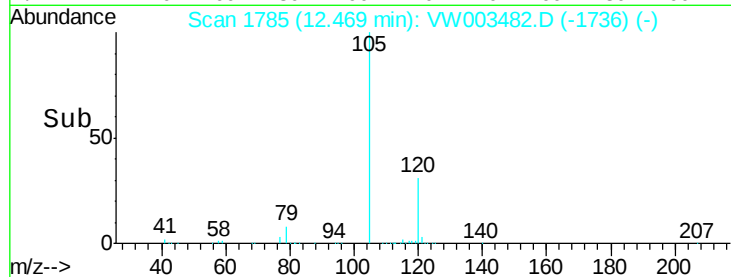
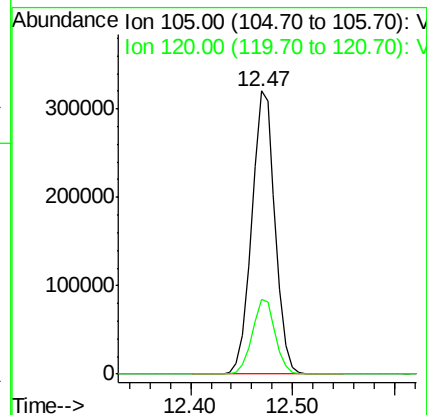
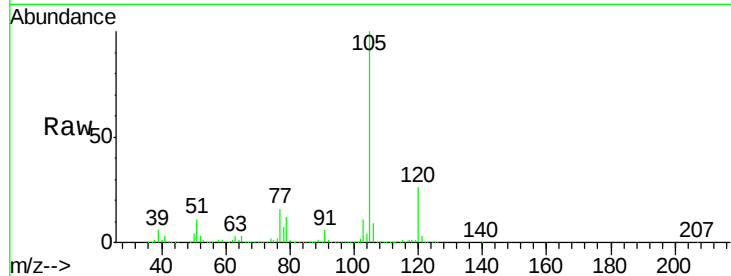
WP021SB487-13-15-180621MS

Tgt Ion:105 Resp: 506741

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 39.269 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Tgt Ion: 43 Resp: 91306

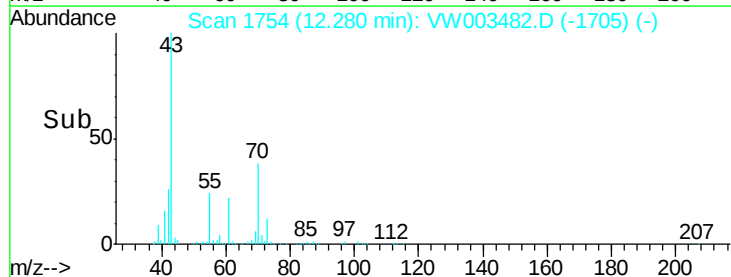
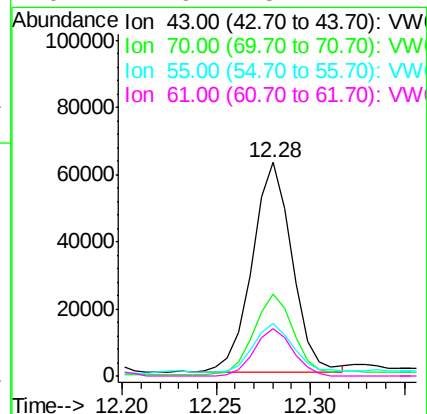
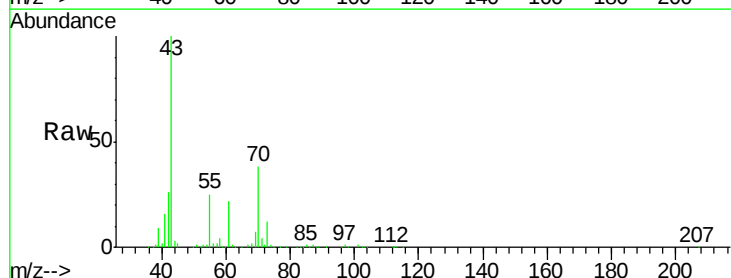
Ion Ratio Lower Upper

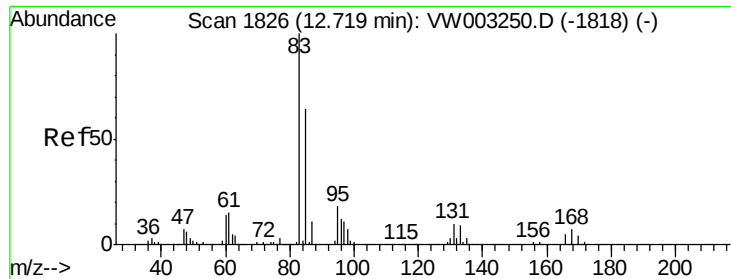
43 100

70 37.8 31.0 46.6

55 23.8 19.7 29.5

61 21.9 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 64.908 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

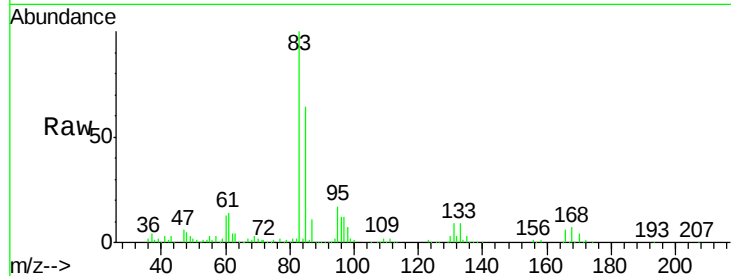
Tgt Ion: 83 Resp: 112174

Ion Ratio Lower Upper

83 100

131 10.1 5.4 16.2

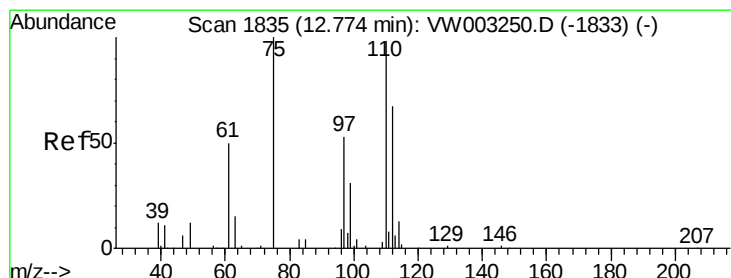
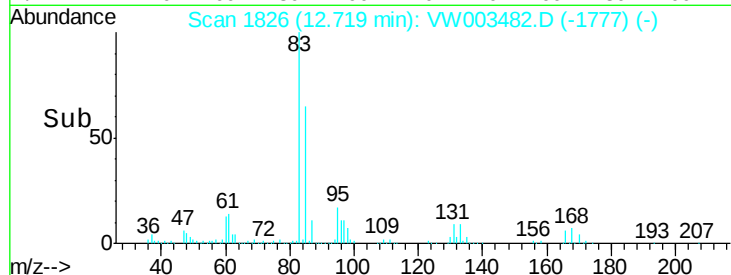
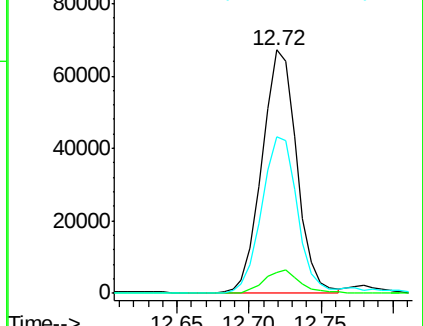
85 66.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 119.949 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003482.D

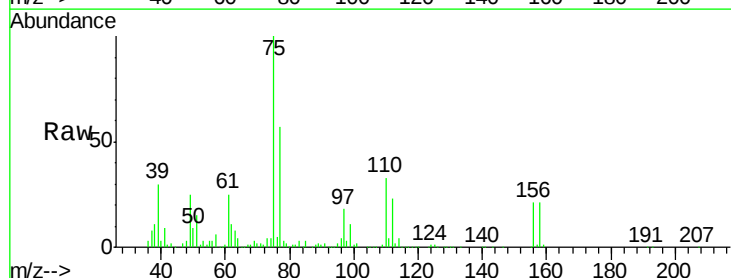
Acq: 24 Jun 2018 02:21

Tgt Ion: 75 Resp: 150602

Ion Ratio Lower Upper

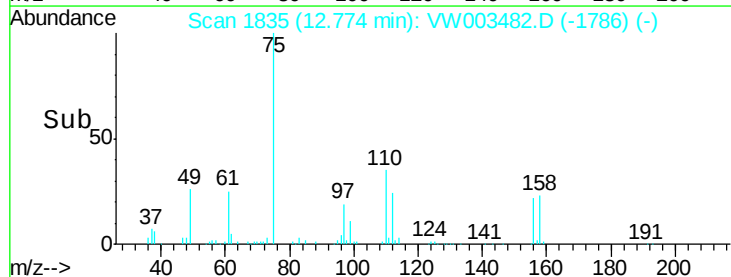
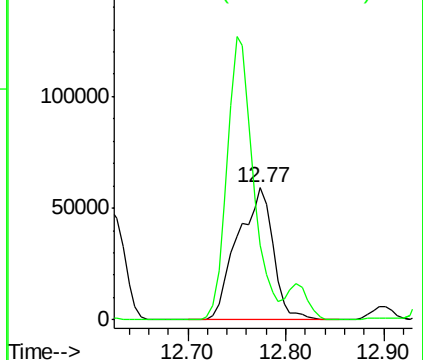
75 100

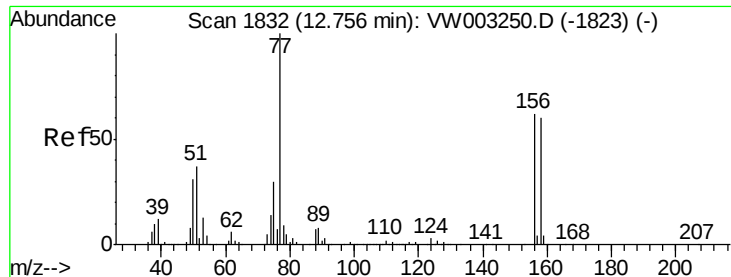
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.825 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

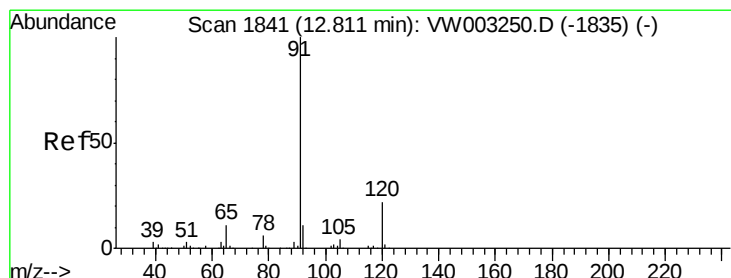
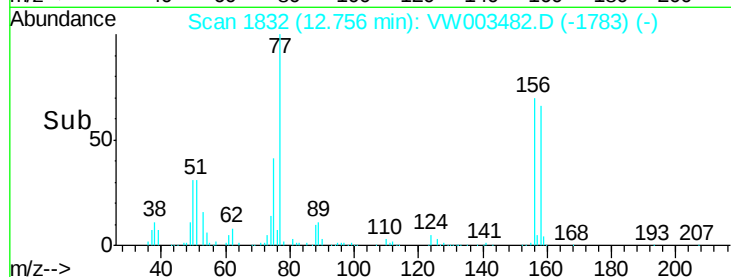
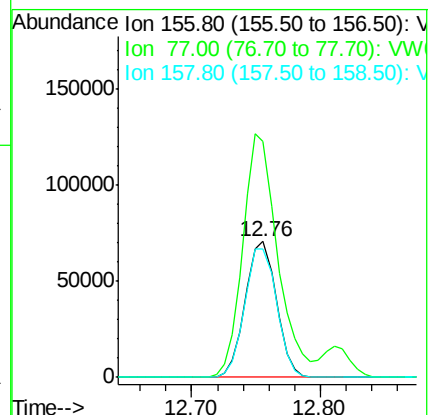
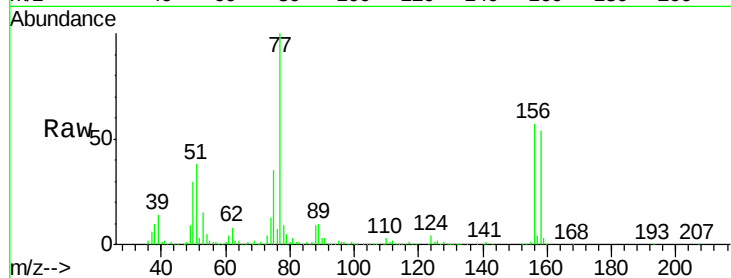
Tgt Ion:156 Resp: 118535

Ion Ratio Lower Upper

156 100

77 199.1 92.3 276.9

158 97.6 47.5 142.6



#78

n-propylbenzene

Concen: 48.980 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003482.D

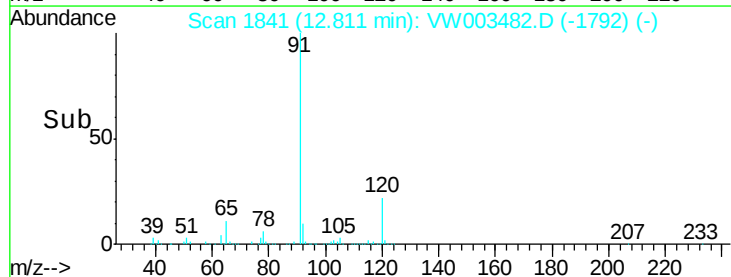
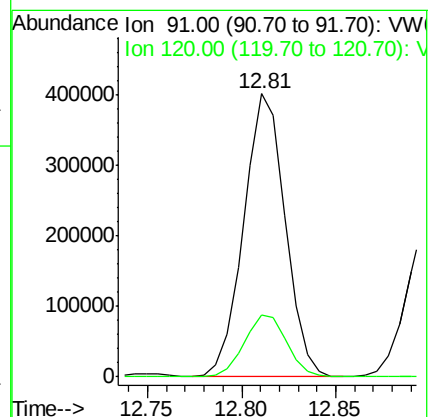
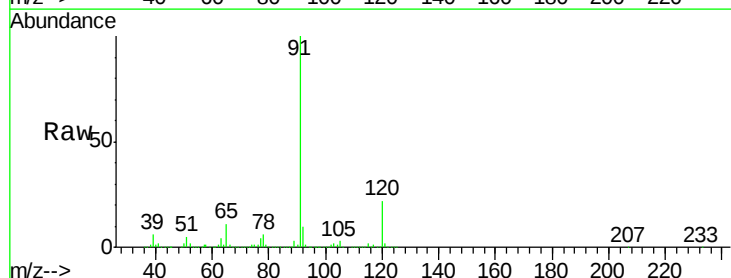
Acq: 24 Jun 2018 02:21

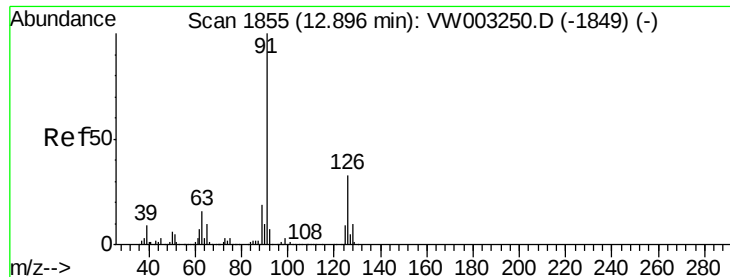
Tgt Ion: 91 Resp: 612668

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.8





#79

2-Chlorotoluene

Concen: 49.471 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

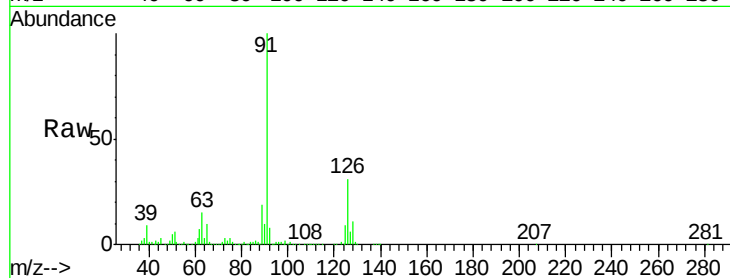
WP021SB487-13-15-180621MS

Tgt Ion: 91 Resp: 349696

Ion Ratio Lower Upper

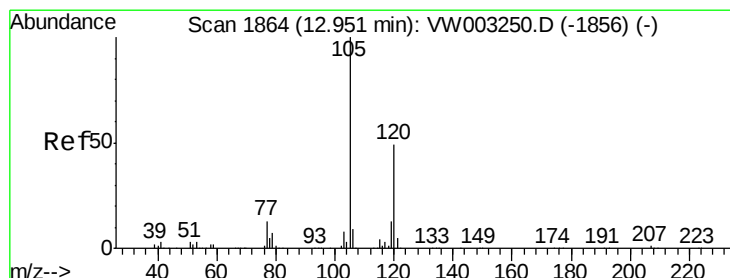
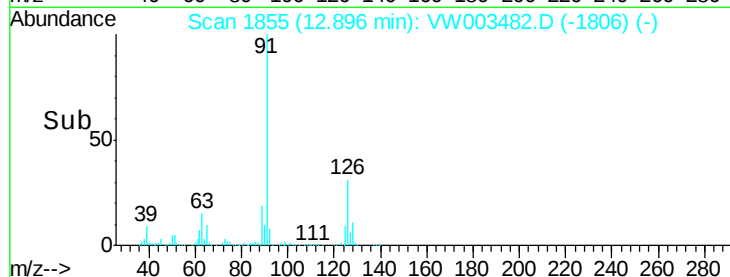
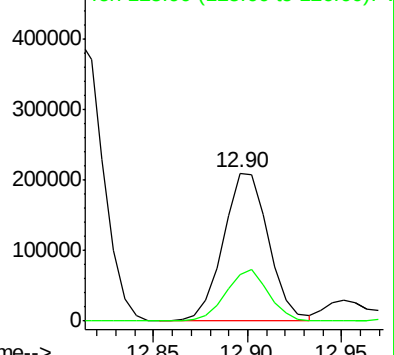
91 100

126 32.6 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.118 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003482.D

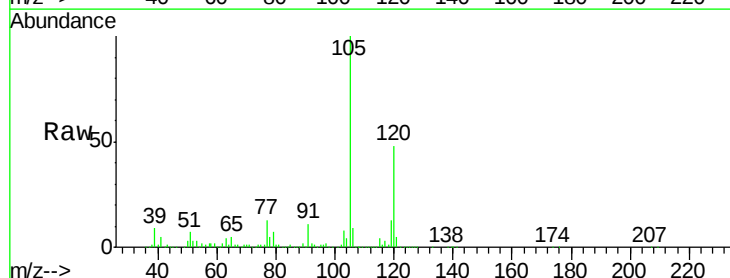
Acq: 24 Jun 2018 02:21

Tgt Ion: 105 Resp: 421162

Ion Ratio Lower Upper

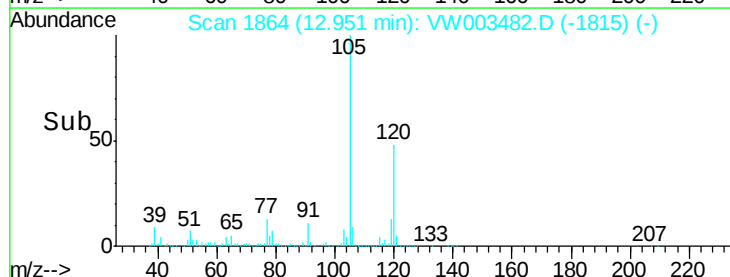
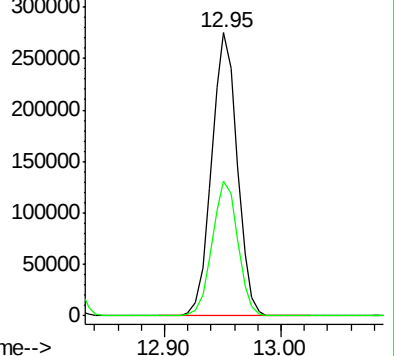
105 100

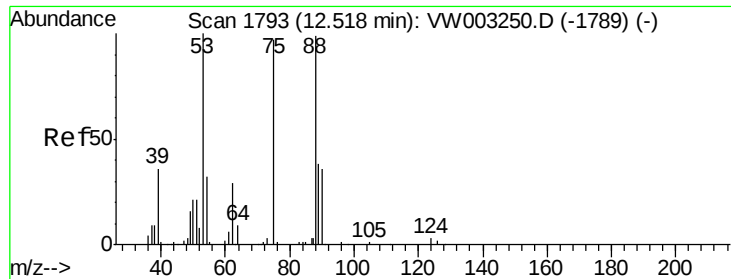
120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 61.978 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

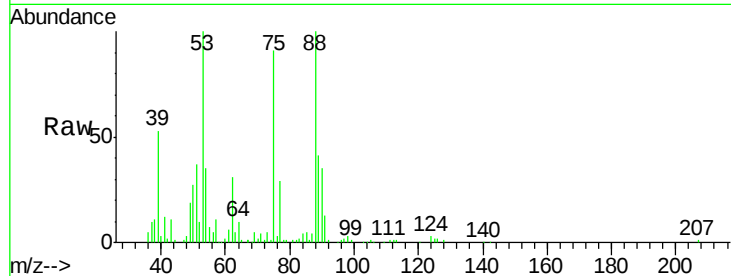
Tgt Ion: 75 Resp: 33818

Ion Ratio Lower Upper

75 100

53 107.9 82.9 124.3

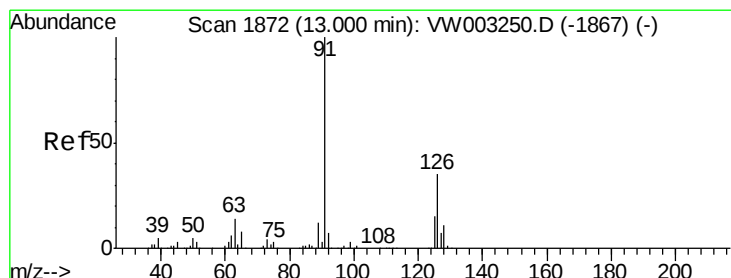
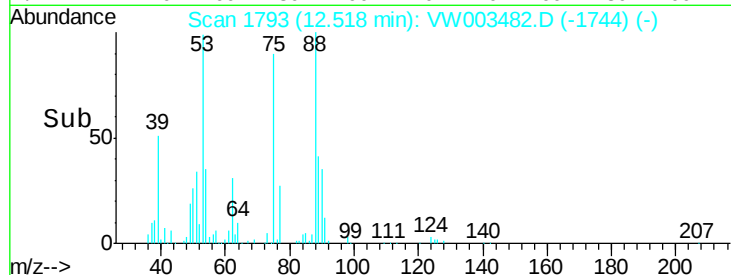
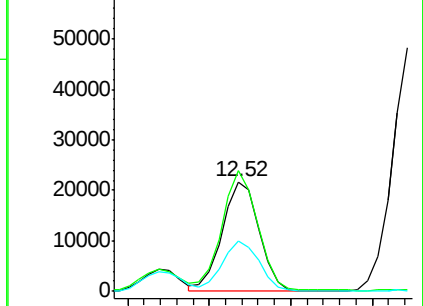
89 46.3 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 48.175 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003482.D

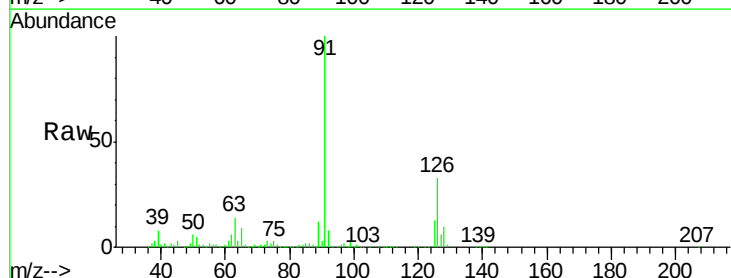
Acq: 24 Jun 2018 02:21

Tgt Ion: 91 Resp: 361247

Ion Ratio Lower Upper

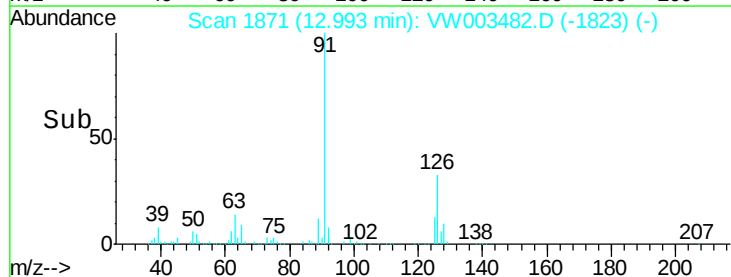
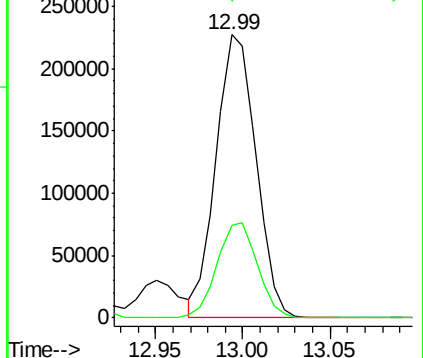
91 100

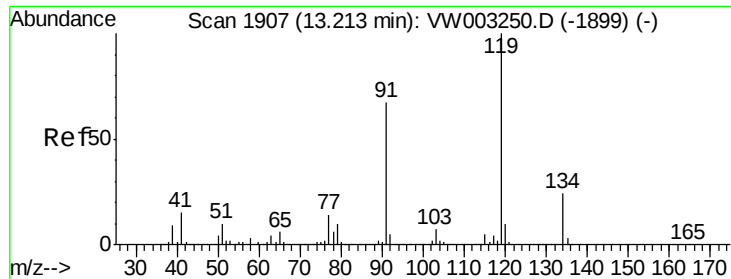
126 34.0 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

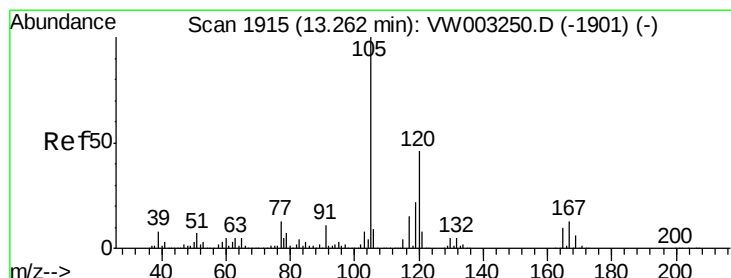
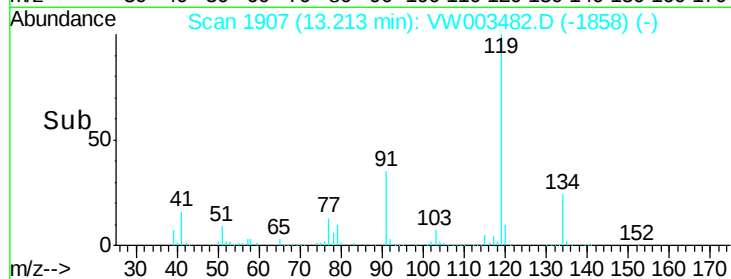
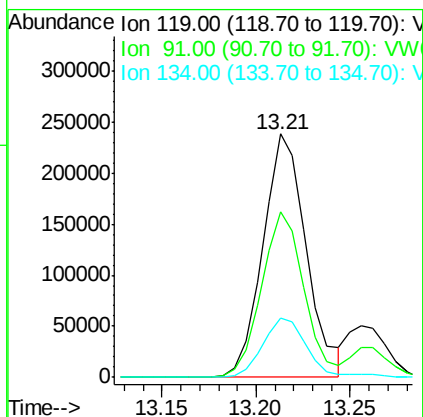
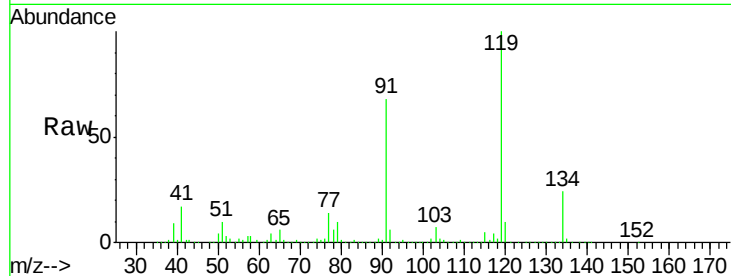




#83
tert-Butylbenzene
Concen: 52.014 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

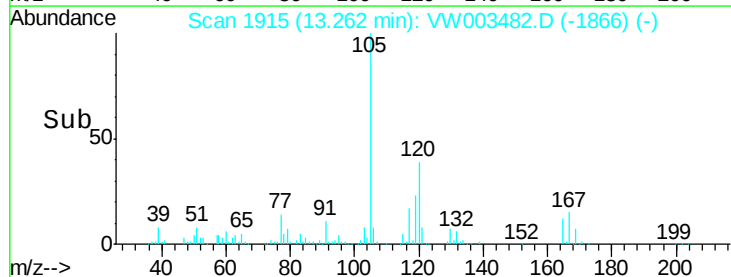
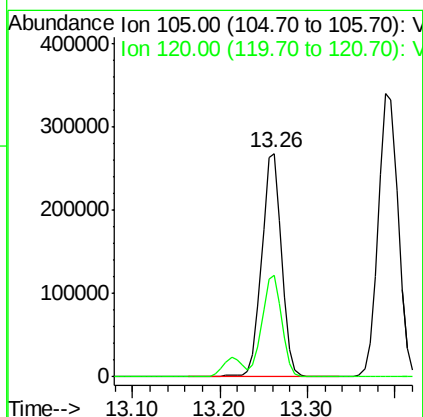
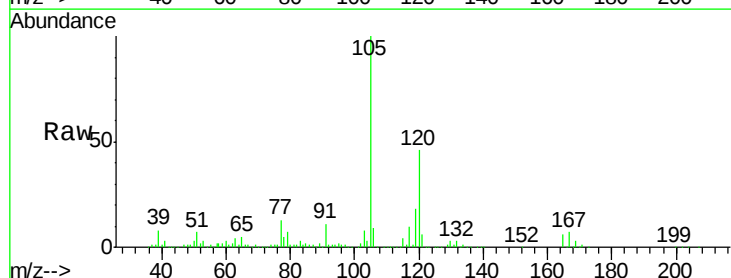
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MS

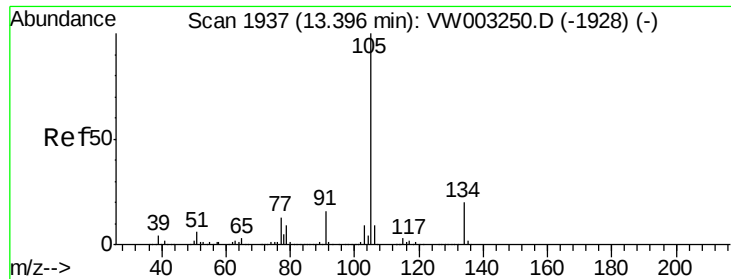
Tgt Ion:119 Resp: 380082
Ion Ratio Lower Upper
119 100
91 66.5 33.9 101.7
134 25.1 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 48.479 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion:105 Resp: 427592
Ion Ratio Lower Upper
105 100
120 45.0 22.5 67.5

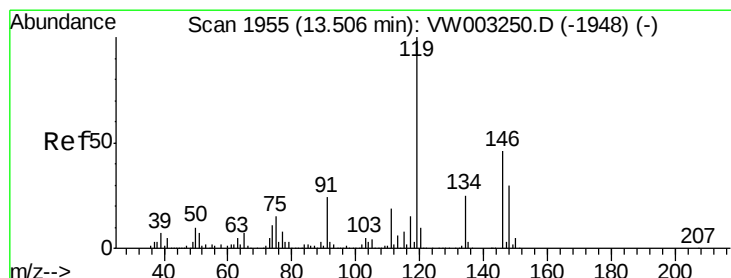
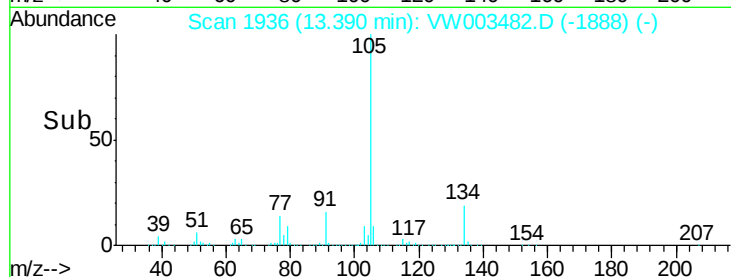
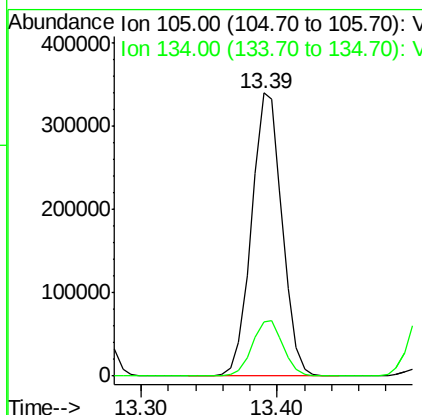
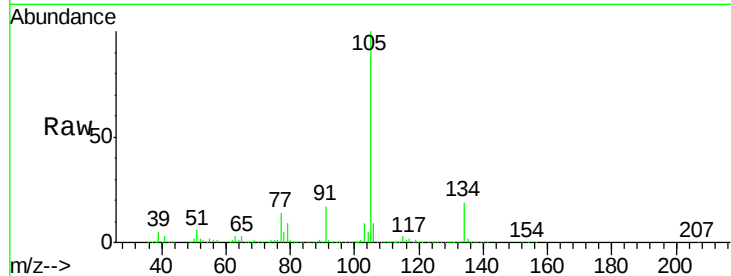




#85
 sec-Butylbenzene
 Concen: 49.316 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

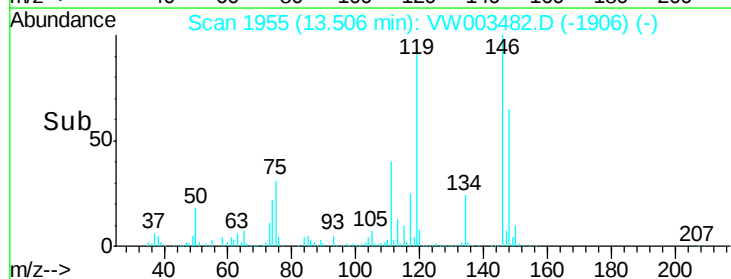
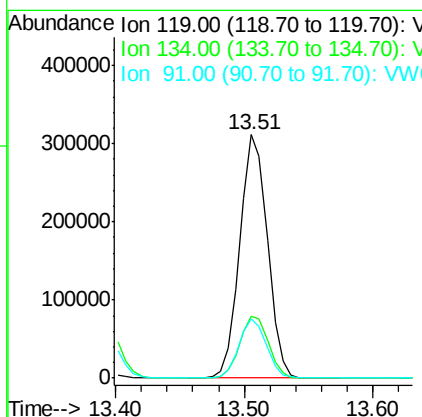
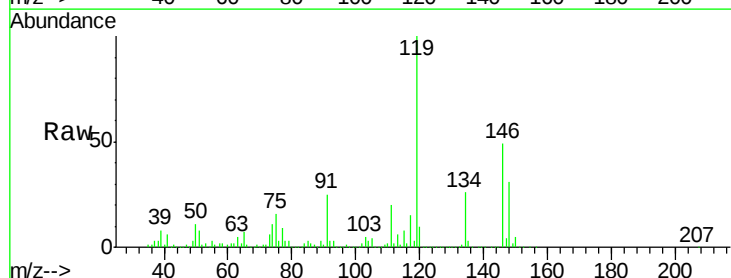
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MS

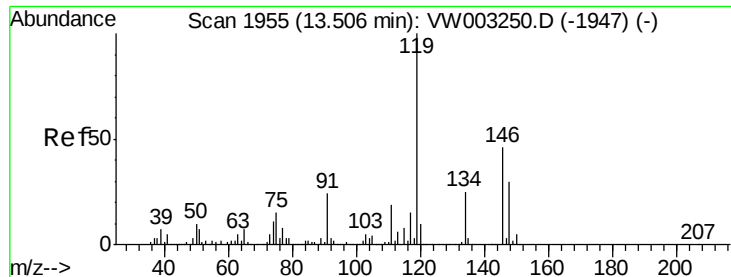
Tgt Ion:105 Resp: 535649
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 48.243 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion:119 Resp: 462165
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.7
 91 24.0 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 49.073 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

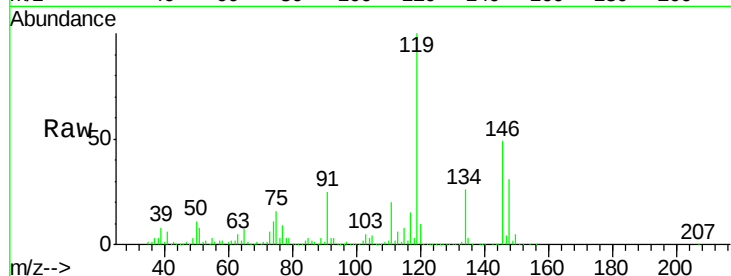
Tgt Ion:146 Resp: 239834

Ion Ratio Lower Upper

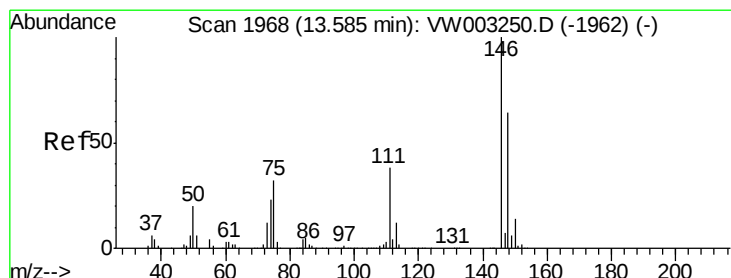
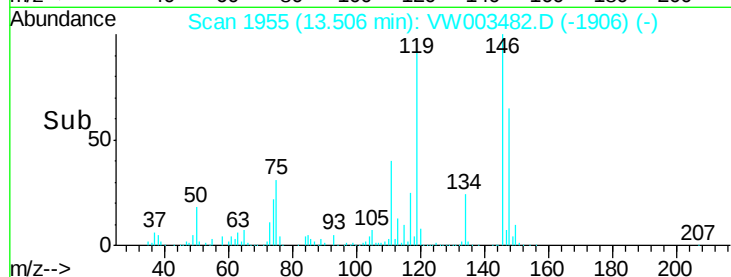
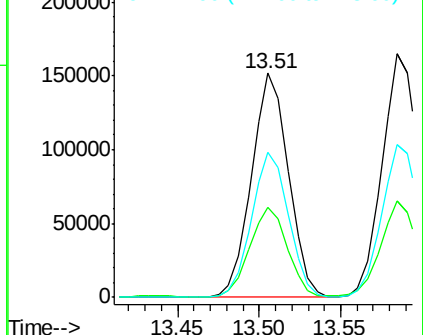
146 100

111 40.7 19.8 59.4

148 64.9 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 53.105 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

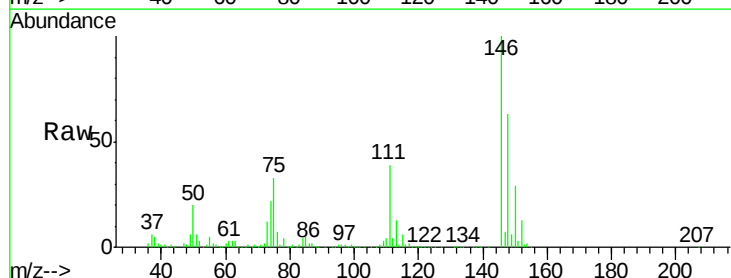
Tgt Ion:146 Resp: 258018

Ion Ratio Lower Upper

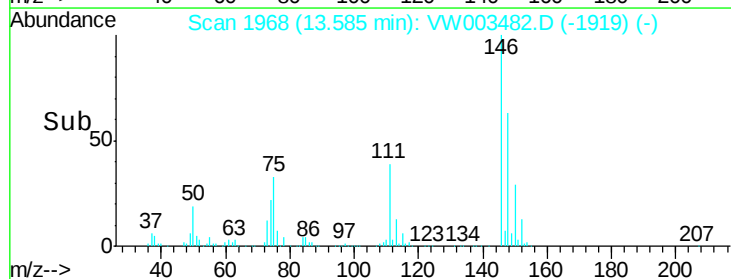
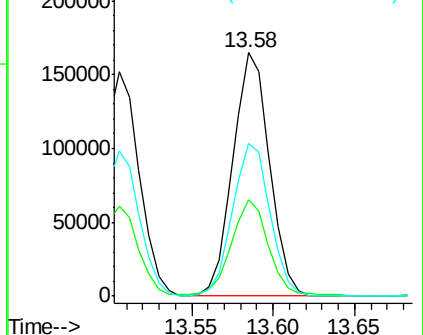
146 100

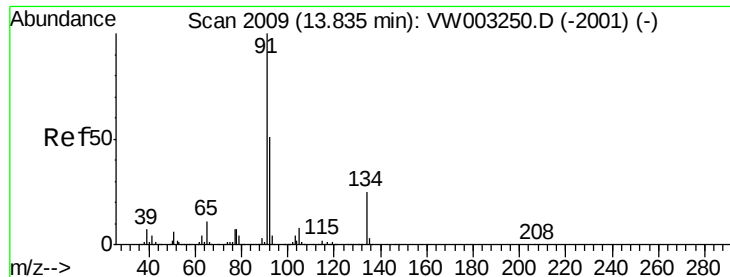
111 39.8 19.2 57.6

148 64.1 31.8 95.4



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

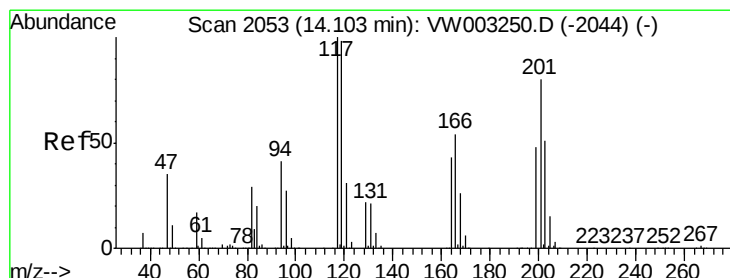
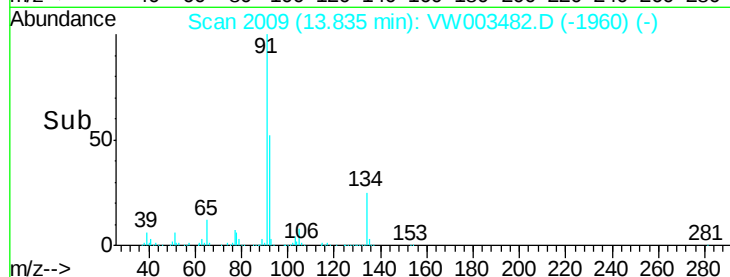
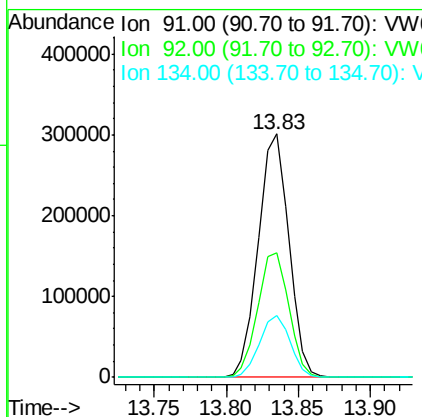
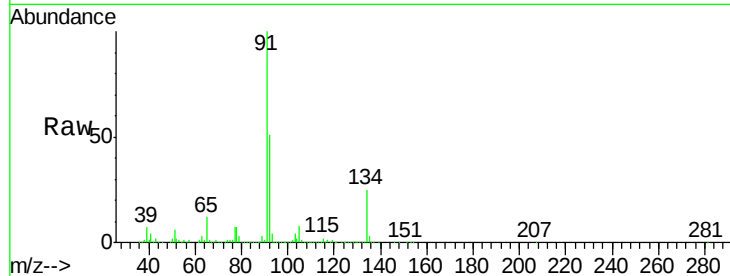




#89
n-Butylbenzene
Concen: 47.289 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

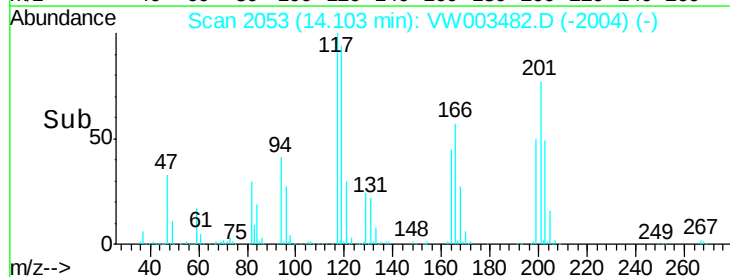
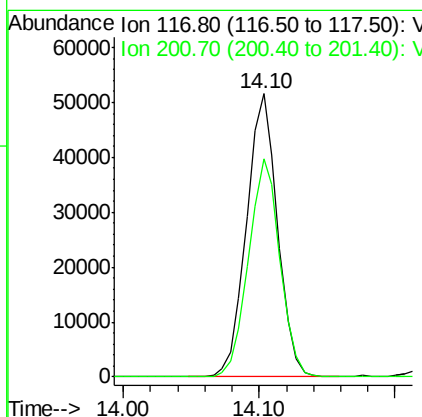
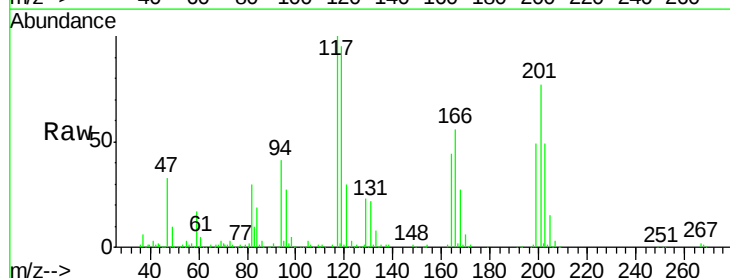
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621MS

Tgt Ion: 91 Resp: 441588
Ion Ratio Lower Upper
91 100
92 52.4 26.0 78.0
134 25.6 12.7 38.0



#90
Hexachloroethane
Concen: 47.574 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003482.D
Acq: 24 Jun 2018 02:21

Tgt Ion: 117 Resp: 82445
Ion Ratio Lower Upper
117 100
201 78.0 39.5 118.5

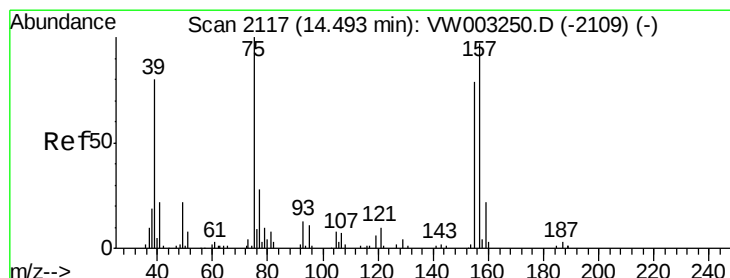
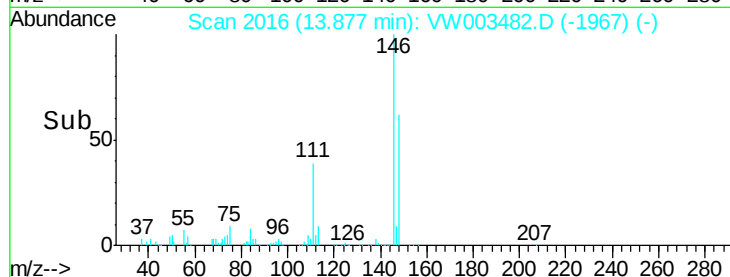
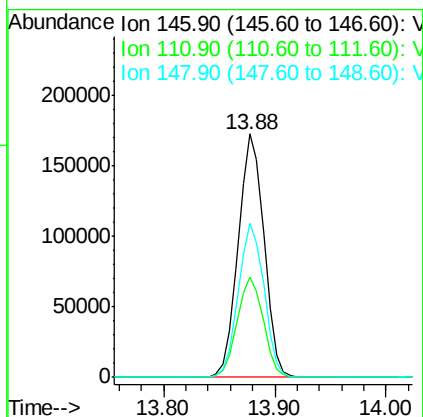
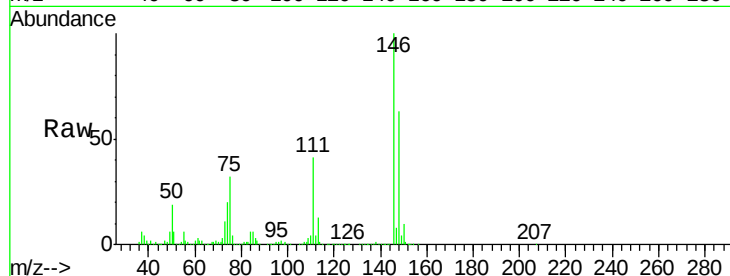




#91
 1,2-Dichlorobenzene
 Concen: 64.703 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

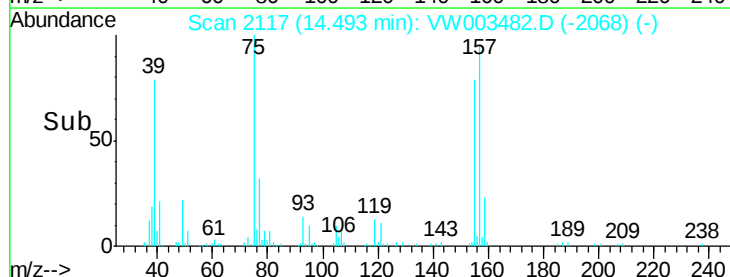
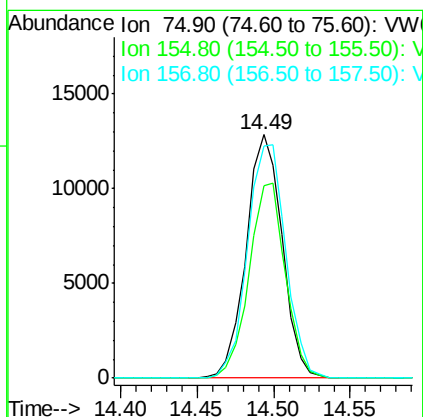
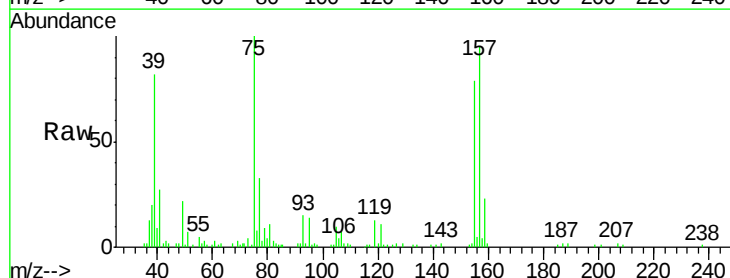
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MS

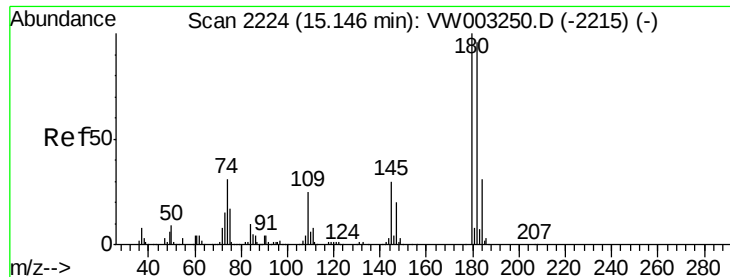
Tgt Ion: 146 Resp: 276996
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.3 61.0
 148 63.0 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 72.434 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion: 75 Resp: 21066
 Ion Ratio Lower Upper
 75 100
 155 80.5 39.4 118.2
 157 101.6 51.5 154.5

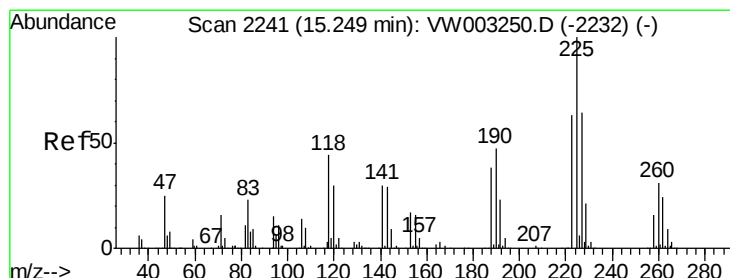
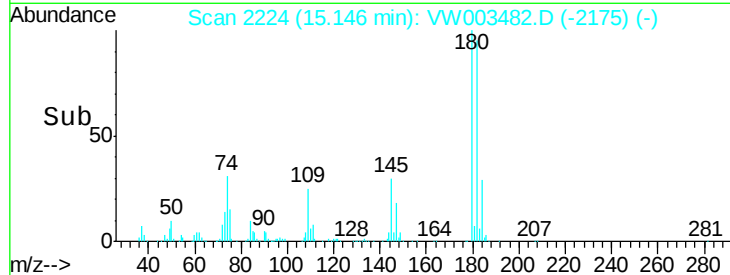
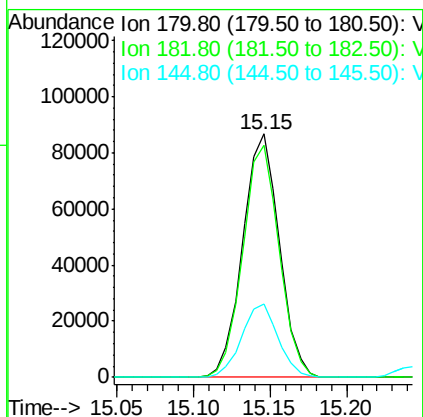
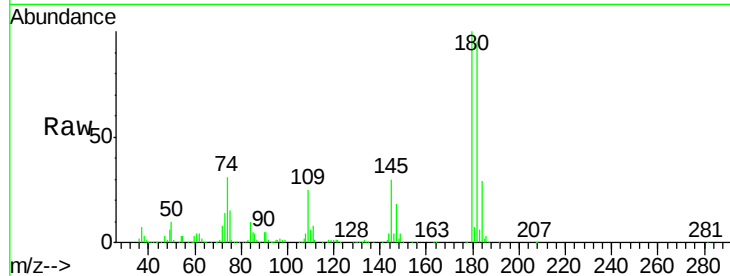




#93
 1,2,4-Trichlorobenzene
 Concen: 48.079 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

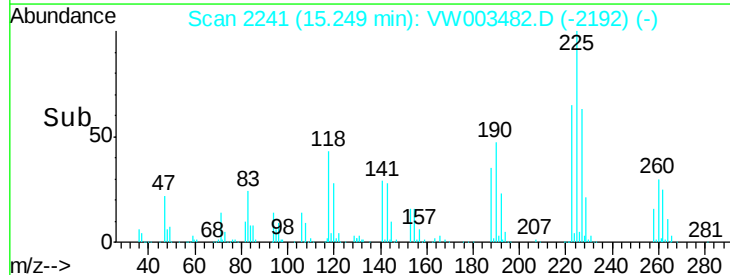
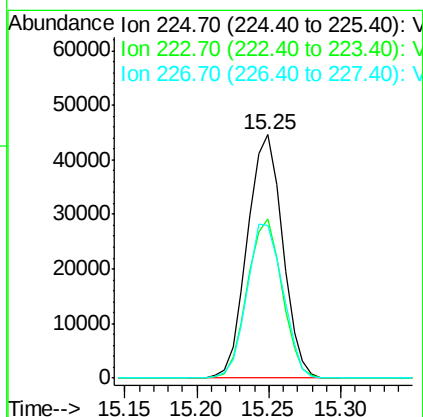
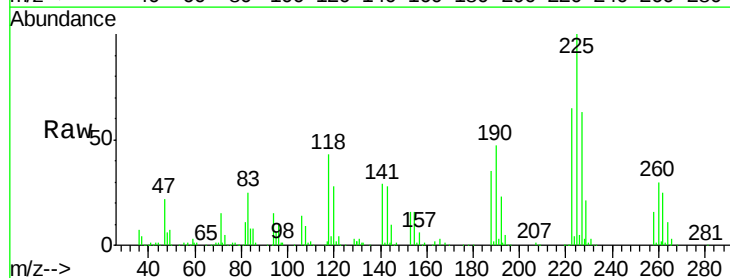
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621MS

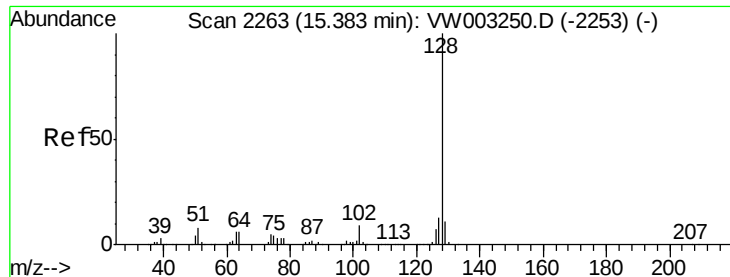
Tgt Ion:180 Resp: 144495
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.9 143.6
 145 30.3 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 41.810 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003482.D
 Acq: 24 Jun 2018 02:21

Tgt Ion:225 Resp: 75585
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.6 92.0
 227 64.7 31.7 95.1





#95

Naphthalene

Concen: 65.801 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621MS

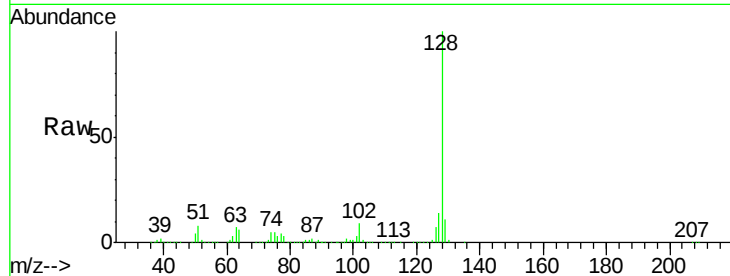
Tgt Ion:128 Resp: 335450

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

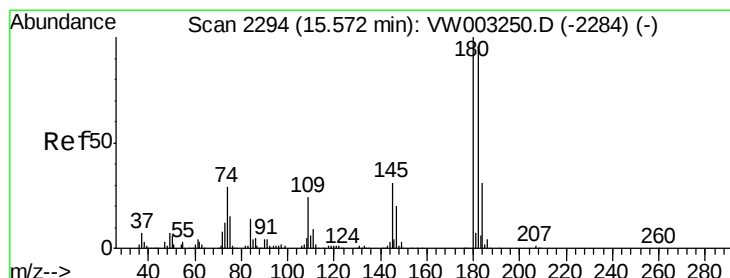
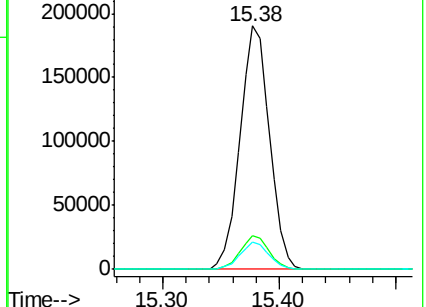
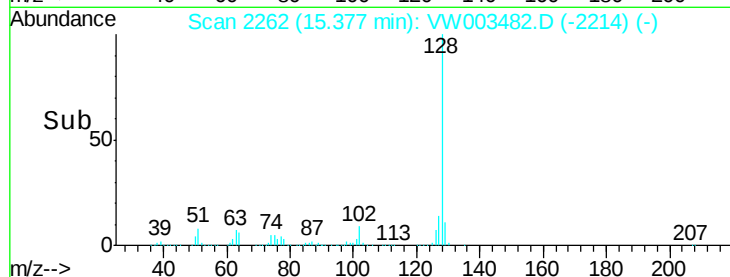
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.217 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003482.D

Acq: 24 Jun 2018 02:21

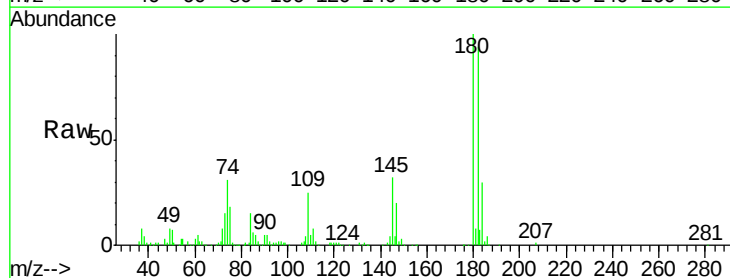
Tgt Ion:180 Resp: 132841

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 32.0 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

