

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003665.D
 Acq On : 29 Jun 2018 17:15
 Operator : SY/AP
 Sample : J3762-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 30 03:41:40 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	198286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	313139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	156359	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	120879	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	
35) Dibromofluoromethane	7.88	113	104641	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
50) Toluene-d8	10.33	98	406567	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.63	95	146394	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	8017	13.374	ug/l	94
3) Chloromethane	2.21	50	16650	10.993	ug/l	100
4) Vinyl Chloride	2.36	62	23326	10.564	ug/l	99
5) Bromomethane	2.77	94	16458	11.215	ug/l	86
6) Chloroethane	2.92	64	14375	9.353	ug/l	98
7) Trichlorofluoromethane	3.25	101	14058	10.628	ug/l	97
8) Diethyl Ether	3.67	74	12116	12.469	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	4.06	101	22167	12.068	ug/l	98
10) Methyl Iodide	4.26	142	30770	11.077	ug/l	99
11) Tert butyl alcohol	5.21	59	8789	76.303	ug/l #	79
12) 1,1-Dichloroethene	4.03	96	20511	11.427	ug/l	96
13) Acrolein	3.90	56	6074	36.883	ug/l	93
14) Allyl chloride	4.66	41	35858	11.533	ug/l	98
15) Acrylonitrile	5.37	53	27505	68.798	ug/l	99
16) Acetone	4.14	43	33943	75.354	ug/l	100
17) Carbon Disulfide	4.37	76	58090	10.947	ug/l	97
18) Methyl Acetate	4.67	43	14174	13.264	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	40465	12.036	ug/l	97
20) Methylene Chloride	4.91	84	32865	14.575	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	22877	11.711	ug/l	94
22) Diisopropyl ether	6.32	45	74252	11.866	ug/l	98
23) Vinyl Acetate	6.26	43	215986	59.896	ug/l	99
24) 1,1-Dichloroethane	6.21	63	45117	12.145	ug/l	96
25) 2-Butanone	7.18	43	40891	73.004	ug/l	93
26) 2,2-Dichloropropane	7.17	77	28904	11.658	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	25355	11.815	ug/l	97
28) Bromochloromethane	7.51	49	16648	10.769	ug/l	95
29) Tetrahydrofuran	7.54	42	23879	69.755	ug/l	95
30) Chloroform	7.67	83	46552	12.300	ug/l	98
31) Cyclohexane	7.95	56	40736	11.738	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	36736	11.760	ug/l	99
36) 1,1-Dichloropropene	8.09	75	35210	11.643	ug/l	100
37) Ethyl Acetate	7.26	43	16736	13.359	ug/l	99
38) Carbon Tetrachloride	8.07	117	33908	11.431	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37154	10.618	ug/l	93
40) Benzene	8.32	78	99801	11.973	ug/l	98
41) Methacrylonitrile	7.49	41	9083	11.815	ug/l	94
42) 1,2-Dichloroethane	8.40	62	31994	12.251	ug/l	100
43) Isopropyl Acetate	8.43	43	32218	12.951	ug/l	100
44) Trichloroethene	9.09	130	25810	11.685	ug/l	97
45) 1,2-Dichloropropane	9.37	63	25707	12.112	ug/l	99
46) Dibromomethane	9.46	93	13838	12.735	ug/l	95
47) Bromodichloromethane	9.65	83	33003	11.849	ug/l	97
48) Methyl methacrylate	9.45	41	14587	12.477	ug/l	99
49) 1,4-Dioxane	9.48	88	4123	251.298	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	83752	66.072	ug/l	99
52) Toluene	10.39	92	64441	12.055	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	33147	11.650	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	36903	11.396	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	19670	12.846	ug/l	99
56) Ethyl methacrylate	10.65	69	21905	11.781	ug/l	99
57) 1,3-Dichloropropane	10.94	76	33327	12.620	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	47858	57.416	ug/l	98
59) 2-Hexanone	10.98	43	58768	66.366	ug/l	99
60) Dibromochloromethane	11.13	129	21816	11.981	ug/l	100
61) 1,2-Dibromoethane	11.24	107	17687	12.212	ug/l	98
64) Tetrachloroethene	10.87	164	23066	11.935	ug/l	93
65) Chlorobenzene	11.66	112	70545	11.724	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	24630	11.648	ug/l	97
67) Ethyl Benzene	11.74	91	118355	11.096	ug/l	98
68) m/p-Xylenes	11.84	106	90119	22.227	ug/l	99
69) o-Xylene	12.17	106	40549	10.791	ug/l	97
70) Styrene	12.19	104	69004	11.033	ug/l	100
71) Bromoform	12.35	173	13093	11.947	ug/l #	99
73) Isopropylbenzene	12.47	105	115026	10.577	ug/l	99
74) N-amyl acetate	12.28	43	29047	11.734	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	24190	13.148	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30748	23.003	ug/l #	100
77) Bromobenzene	12.76	156	28268	11.161	ug/l	94
78) n-propylbenzene	12.81	91	148678	11.165	ug/l	100
79) 2-Chlorotoluene	12.90	91	83234	11.060	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	99956	10.950	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	6583	11.332	ug/l	91
82) 4-Chlorotoluene	12.99	91	91392	11.448	ug/l	99
83) tert-Butylbenzene	13.21	119	82593	10.617	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	102643	10.931	ug/l	100
85) sec-Butylbenzene	13.39	105	124013	10.725	ug/l	99
86) p-Isopropyltoluene	13.51	119	108487	10.637	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	59755	11.485	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	59323	11.469	ug/l	97
89) n-Butylbenzene	13.83	91	107889	10.852	ug/l	98
90) Hexachloroethane	14.10	117	20171	10.933	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	54143	11.879	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4035	13.032	ug/l	94

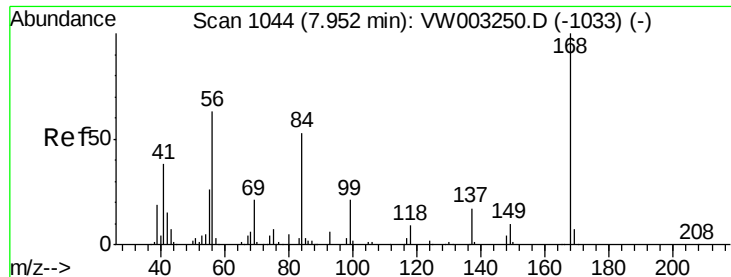
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	36078	11.276	ug/l	100
94) Hexachlorobutadiene	15.25	225	21393	11.115	ug/l	96
95) Naphthalene	15.38	128	60994	11.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	31782	11.285	ug/l	98

(#) = 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: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

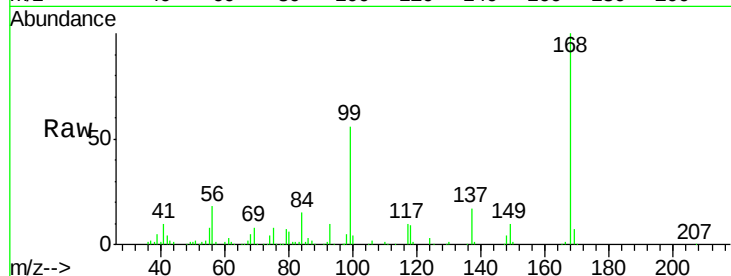
ClientSampleId :

Tot Ion:168 Resp: 198286

Ion Ratio Lower Upper

168 100

99 56.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

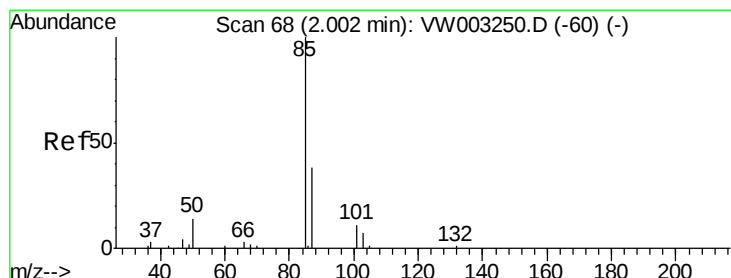
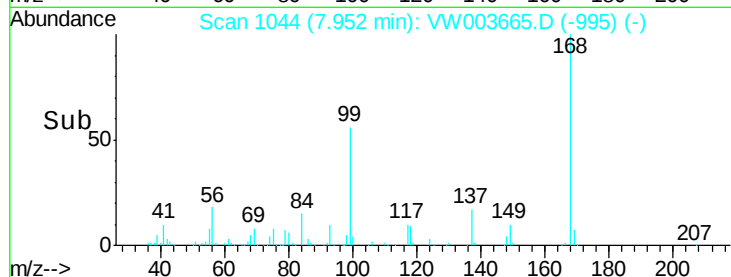
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 13.374 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003665.D

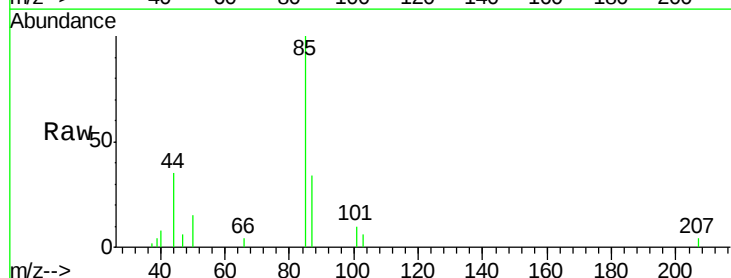
Acq: 29 Jun 2018 17:15

Tgt Ion: 85 Resp: 8017

Ion Ratio Lower Upper

85 100

87 34.4 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

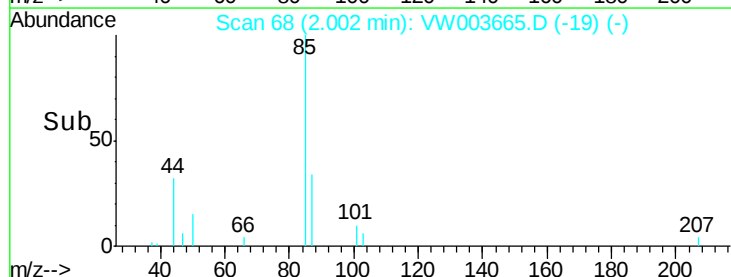
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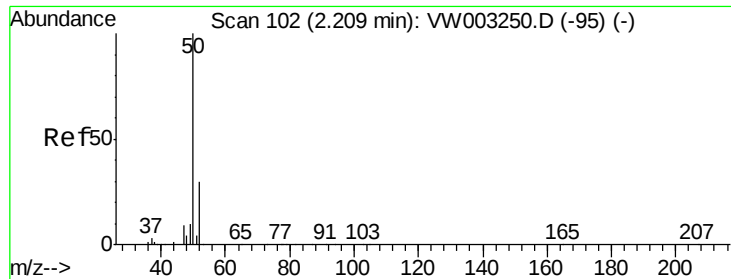
2000

1000

0

Time-->





#3

Chloromethane

Concen: 10.993 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

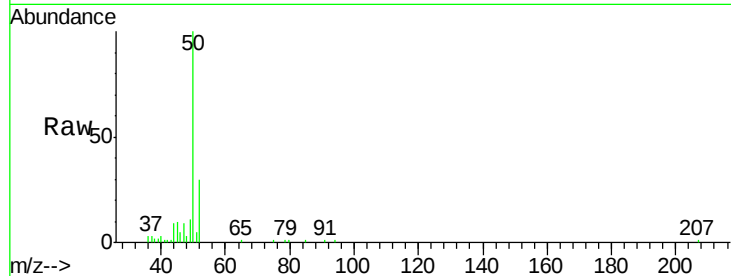
ClientSampled :

Tot Ion: 50 Resp: 16650

Ion Ratio Lower Upper

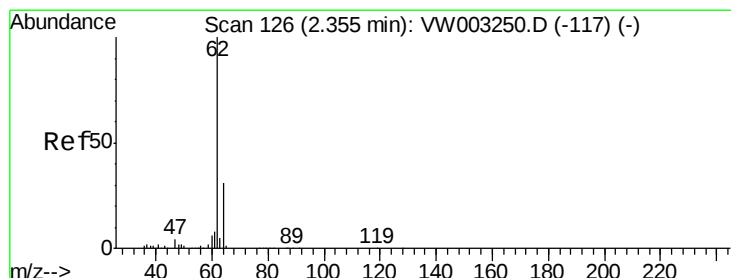
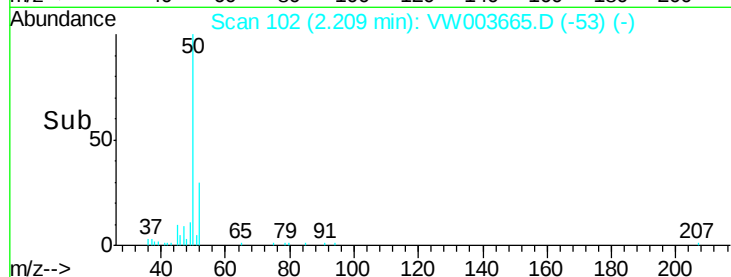
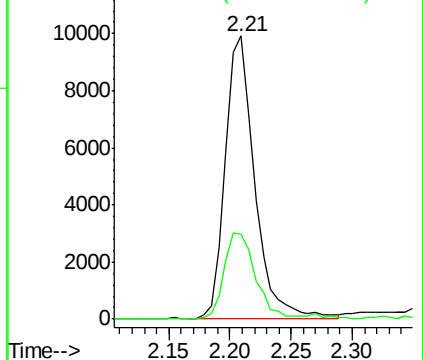
50 100

52 30.1 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 10.564 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003665.D

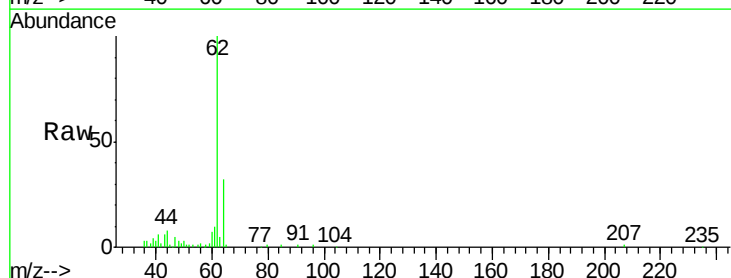
Acq: 29 Jun 2018 17:15

Tgt Ion: 62 Resp: 23326

Ion Ratio Lower Upper

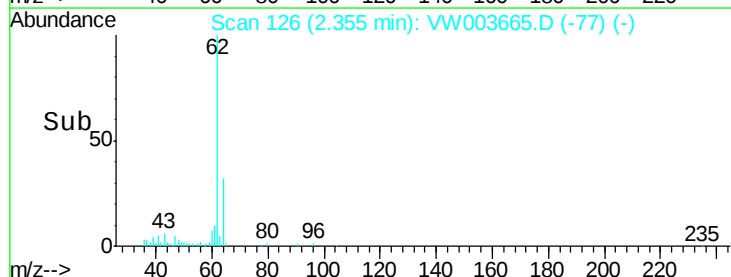
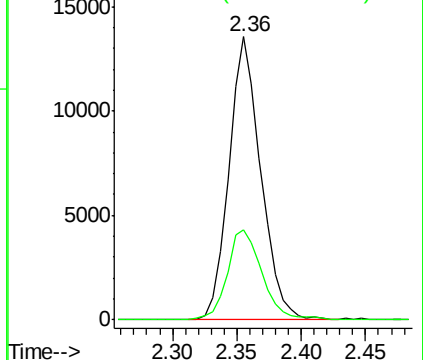
62 100

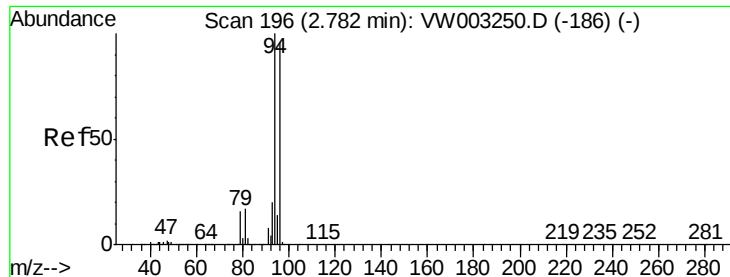
64 31.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 11.215 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

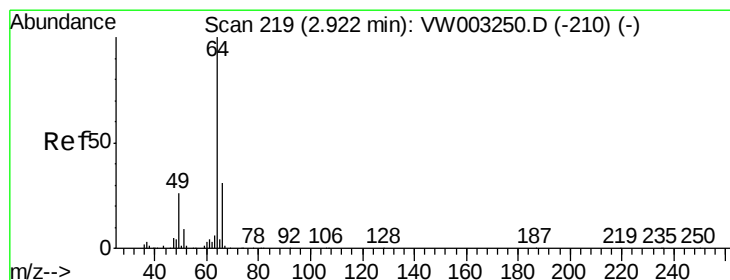
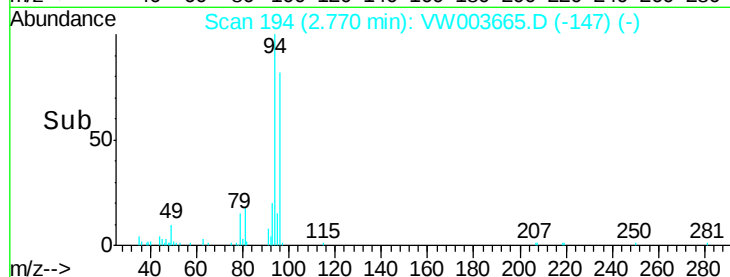
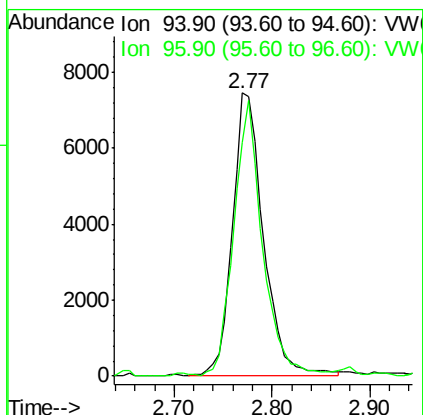
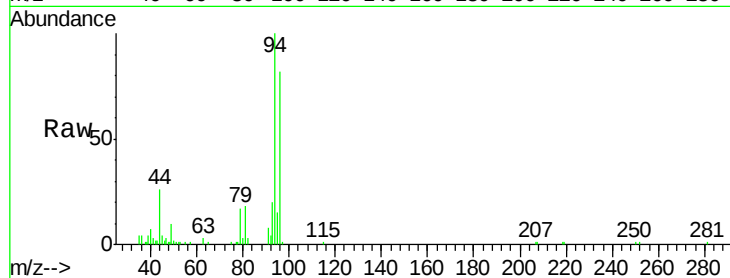
ClientSampleId :

Tot Ion: 94 Resp: 16458

Ion Ratio Lower Upper

94 100

96 81.7 76.5 114.7



#6

Chloroethane

Concen: 9.353 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003665.D

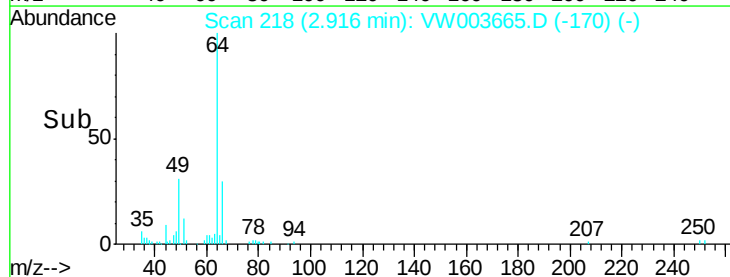
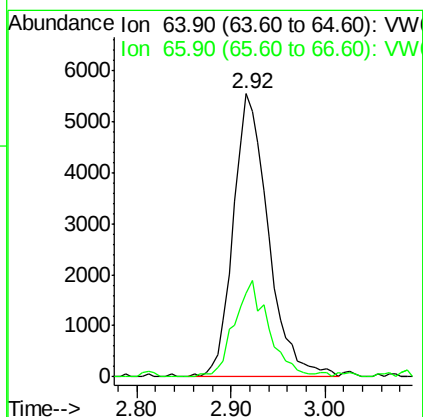
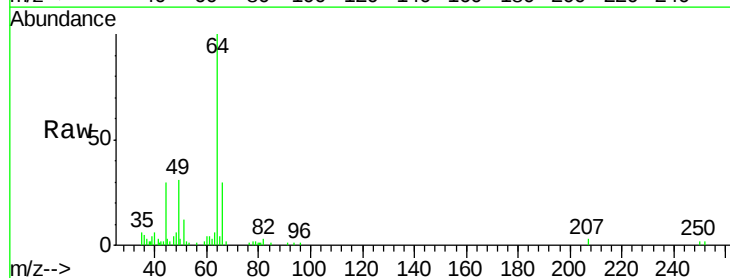
Acq: 29 Jun 2018 17:15

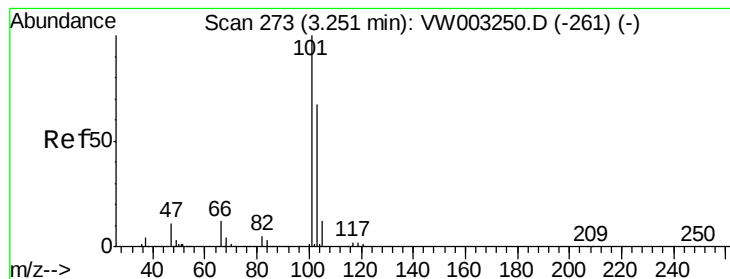
Tgt Ion: 64 Resp: 14375

Ion Ratio Lower Upper

64 100

66 29.6 24.4 36.6



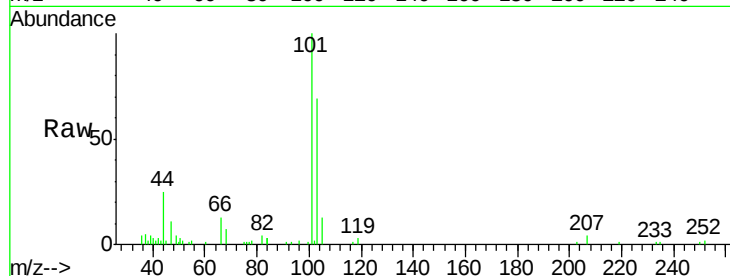


#7

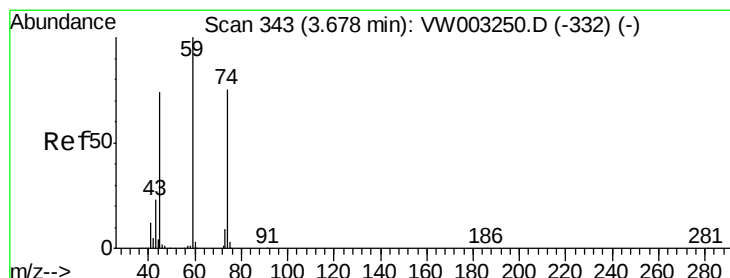
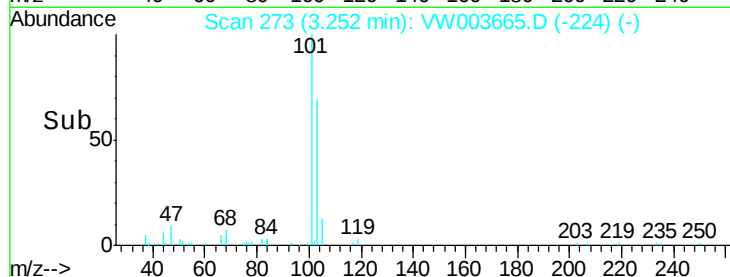
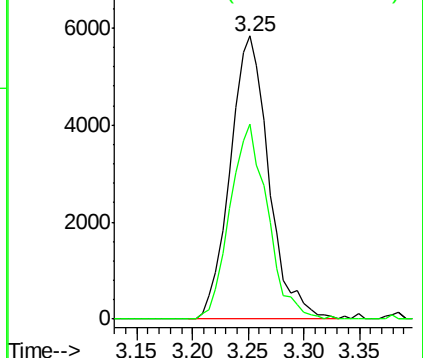
Trichlorofluoromethane
Concen: 10.628 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 14058
Ion Ratio Lower Upper
101 100
103 69.0 53.4 80.0



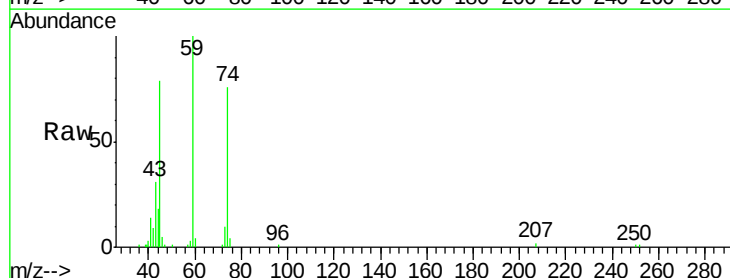
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



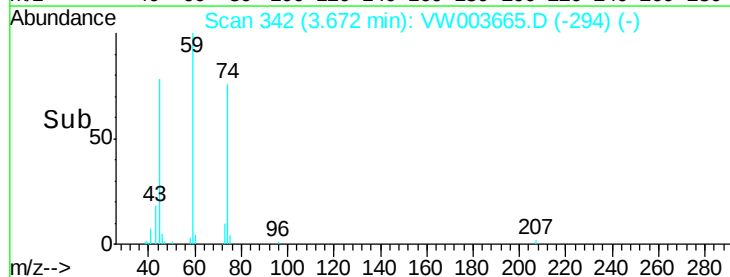
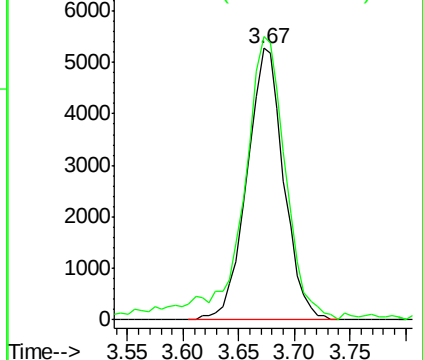
#8

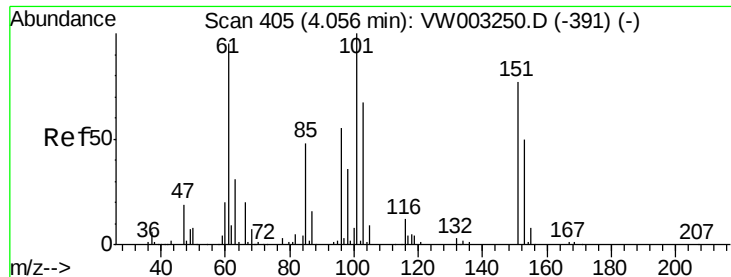
Diethyl Ether
Concen: 12.469 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 74 Resp: 12116
Ion Ratio Lower Upper
74 100
45 123.1 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.068 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

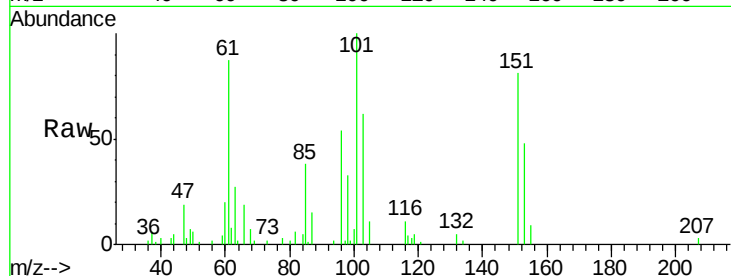
Tot Ion:101 Resp: 22167

Ion Ratio Lower Upper

101 100

85 44.7 37.0 55.6

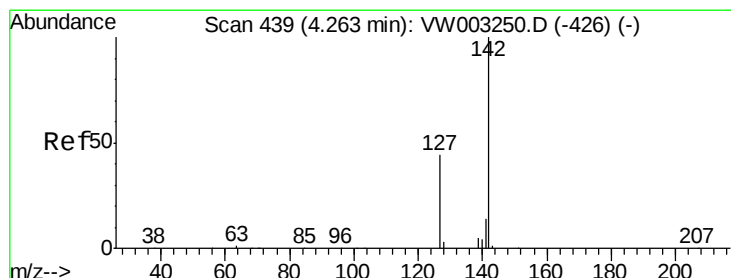
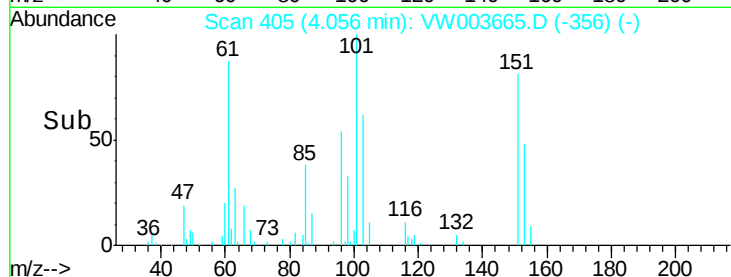
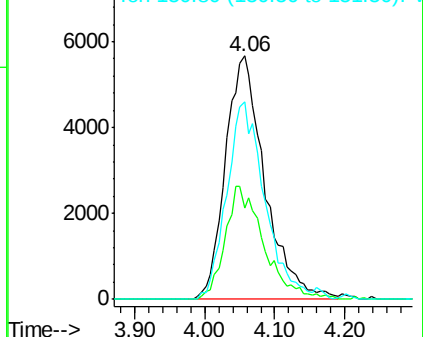
151 78.2 63.3 94.9



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: 11.077 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

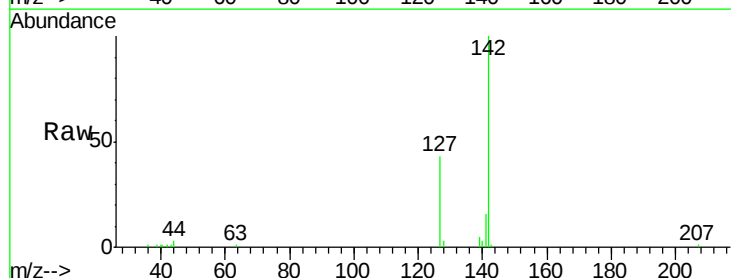
Tgt Ion:142 Resp: 30770

Ion Ratio Lower Upper

142 100

127 46.6 36.5 54.7

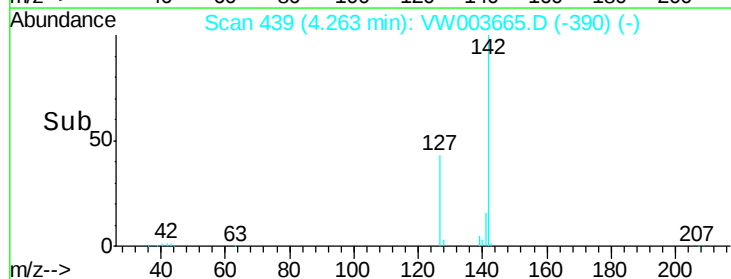
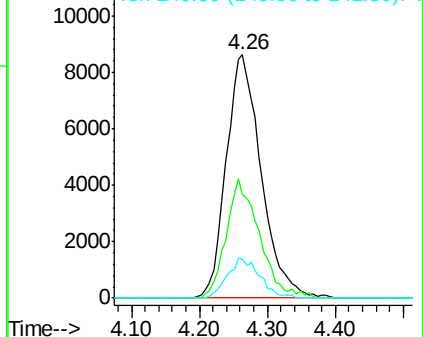
141 15.2 12.1 18.1

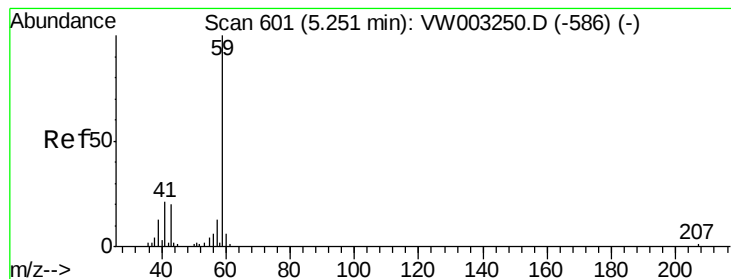


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



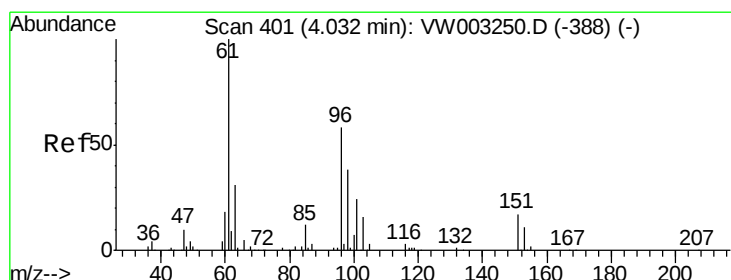
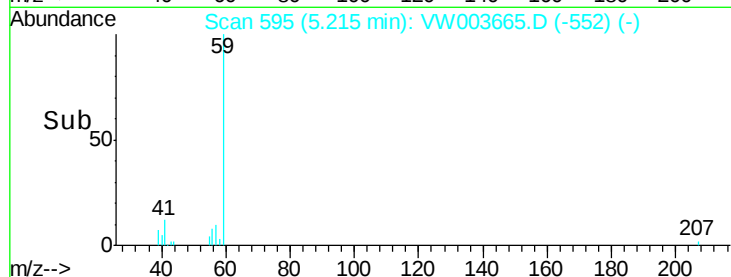
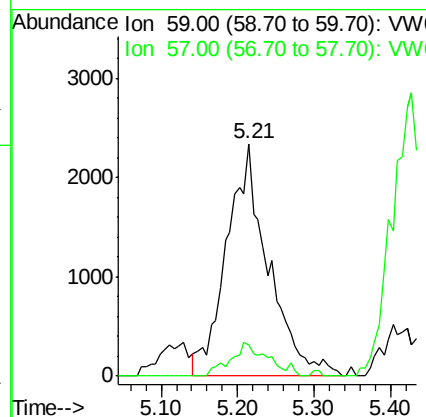
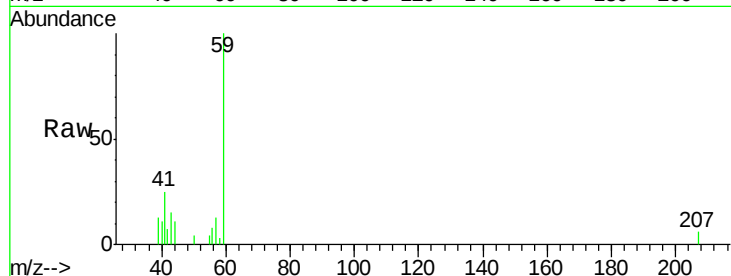


#11

Tert butyl alcohol
Concen: 76.303 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.04 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampleId :

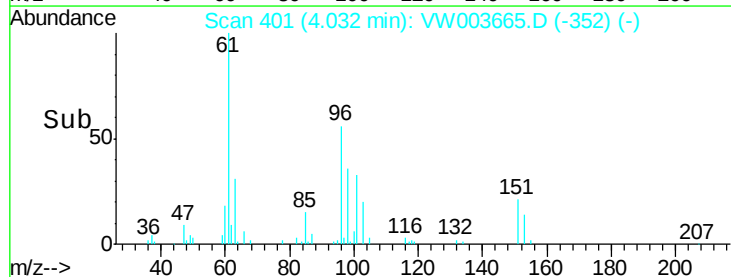
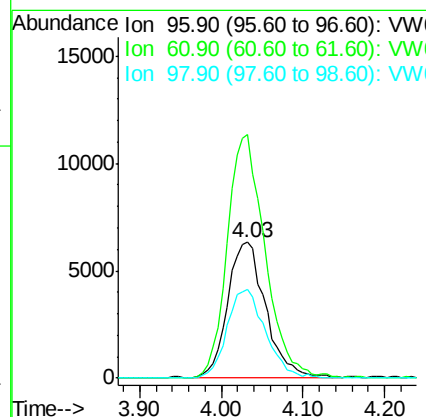
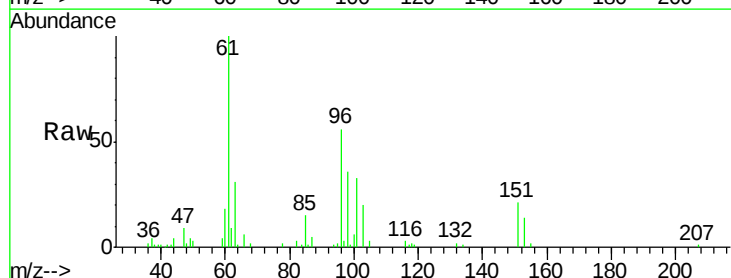
Tot Ion: 59 Resp: 8789
Ion Ratio Lower Upper
59 100
57 12.0 4.2 6.2#

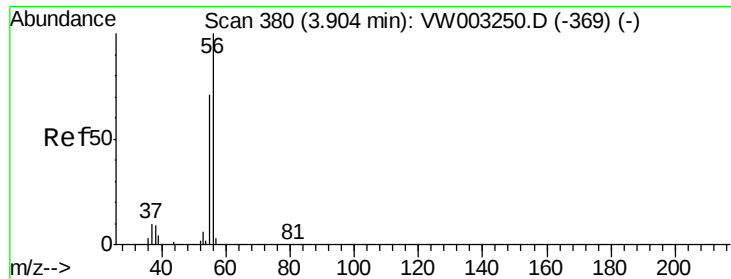


#12

1,1-Dichloroethene
Concen: 11.427 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 96 Resp: 20511
Ion Ratio Lower Upper
96 100
61 179.5 139.0 208.4
98 65.2 53.3 79.9





#13

Acrolein

Concen: 36.883 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

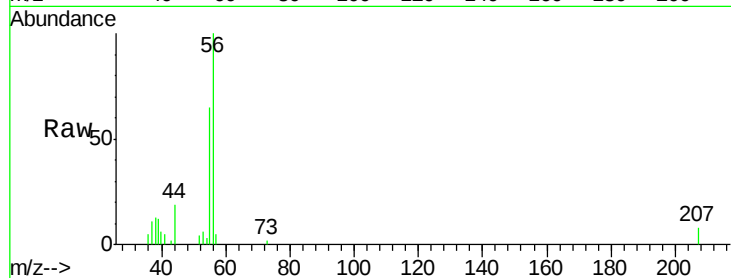
ClientSampled :

Tot Ion: 56 Resp: 6074

Ion Ratio Lower Upper

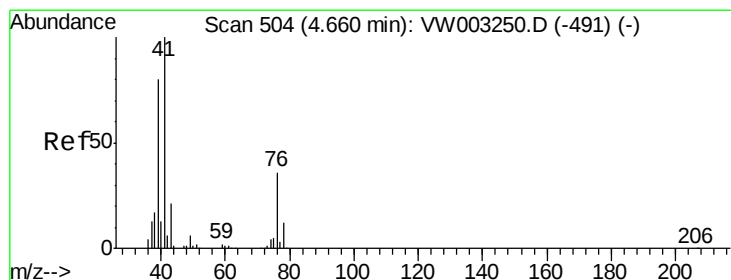
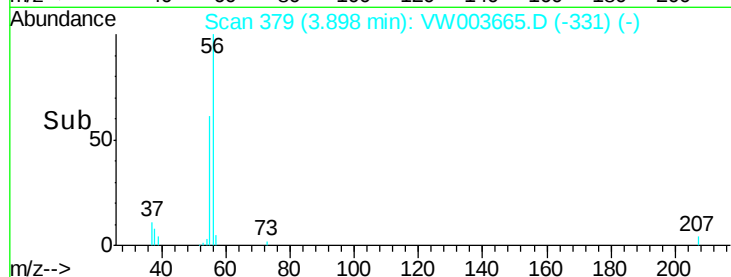
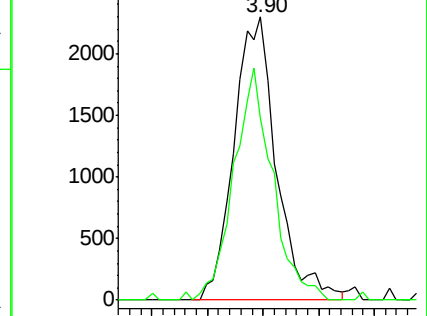
56 100

55 75.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 11.533 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

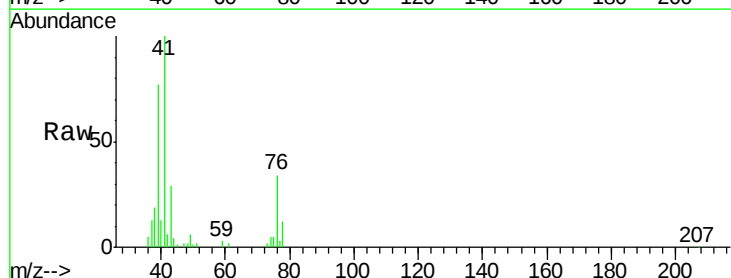
Tgt Ion: 41 Resp: 35858

Ion Ratio Lower Upper

41 100

39 77.4 63.2 94.8

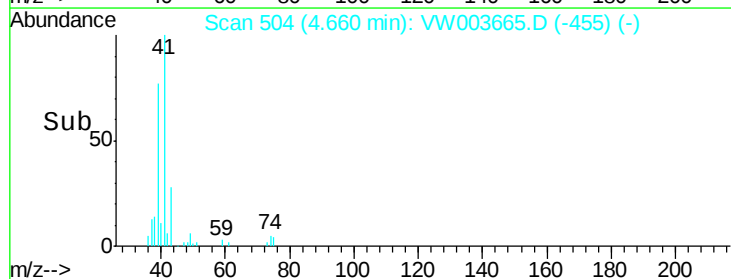
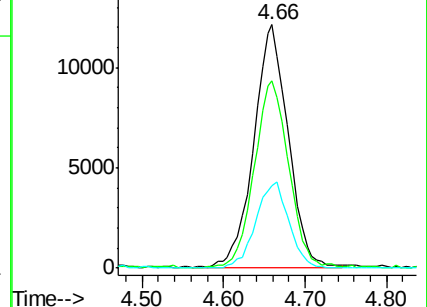
76 33.8 28.0 42.0

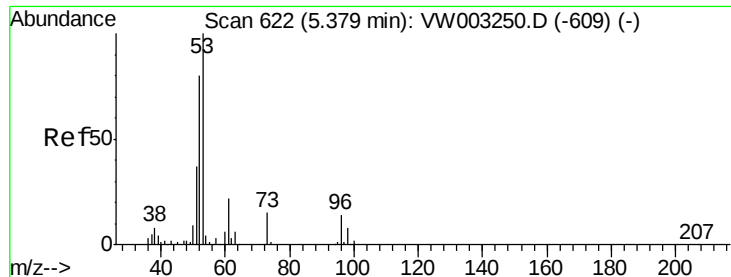


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 68.798 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampled :

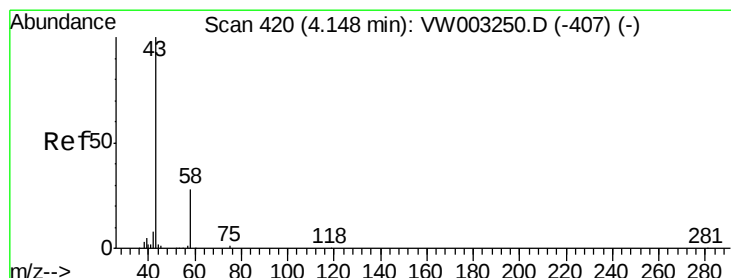
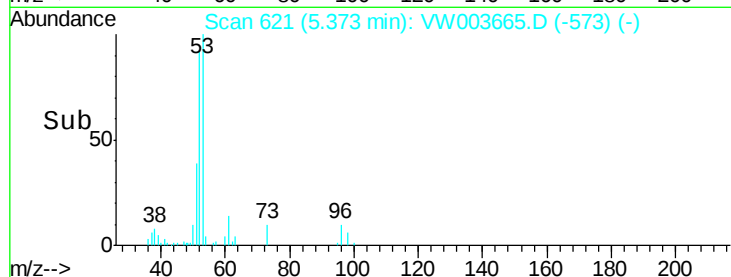
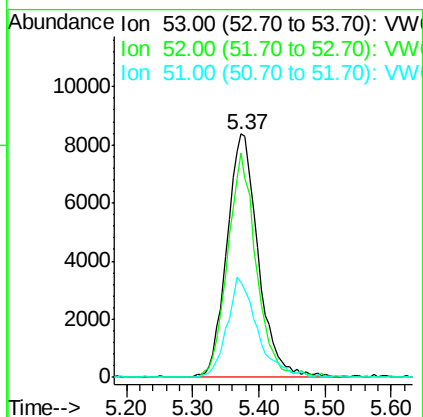
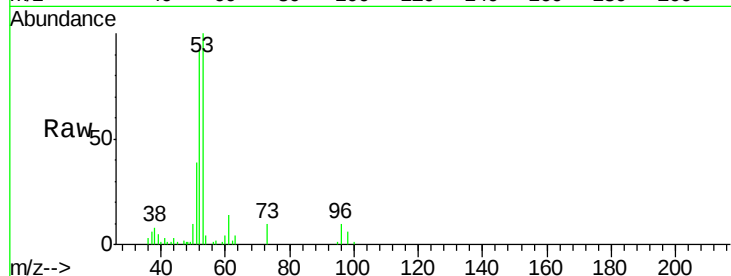
Tot Ion: 53 Resp: 27505

Ion Ratio Lower Upper

53 100

52 83.1 66.6 100.0

51 39.5 30.6 46.0



#16

Acetone

Concen: 75.354 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW003665.D

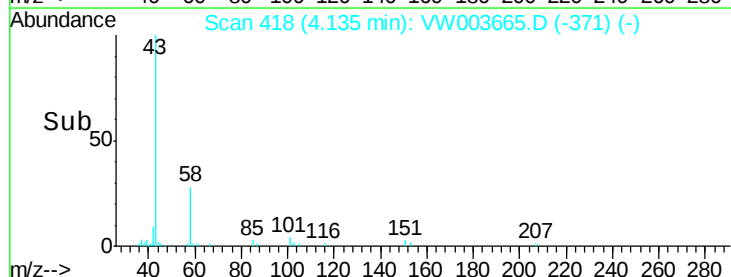
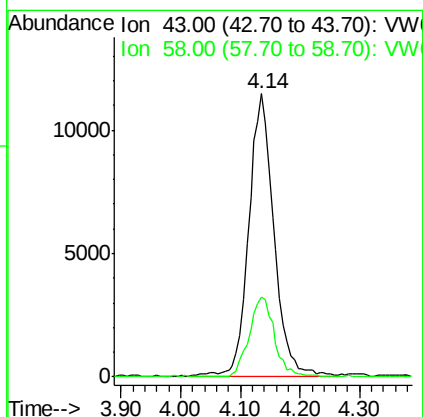
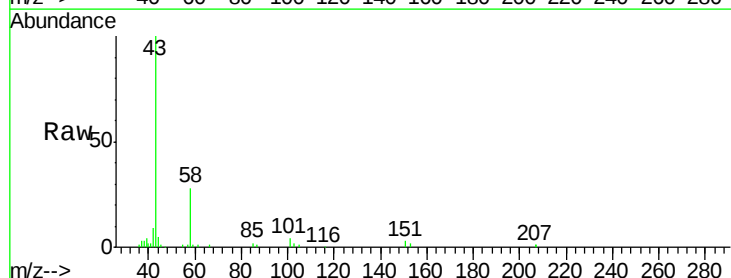
Acq: 29 Jun 2018 17:15

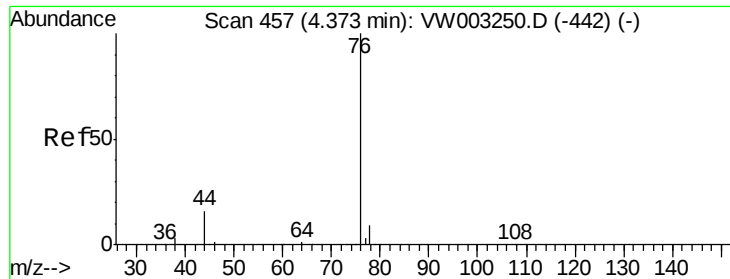
Tgt Ion: 43 Resp: 33943

Ion Ratio Lower Upper

43 100

58 28.2 22.6 34.0

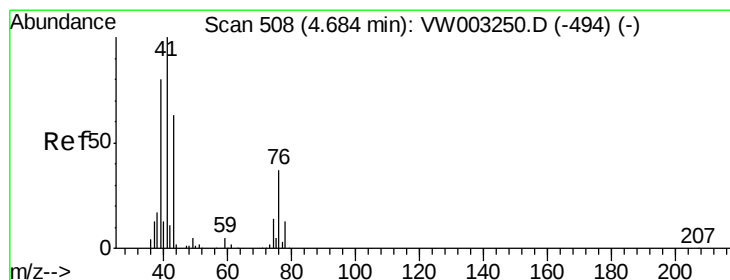
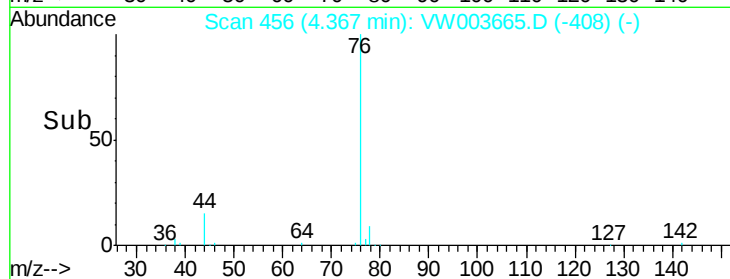
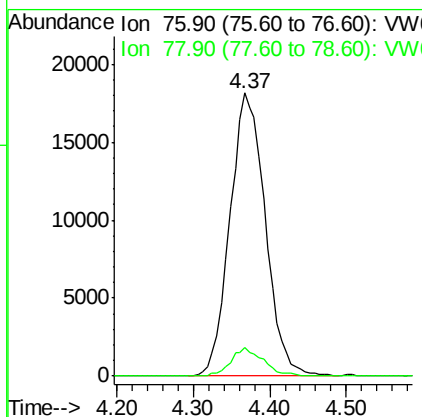
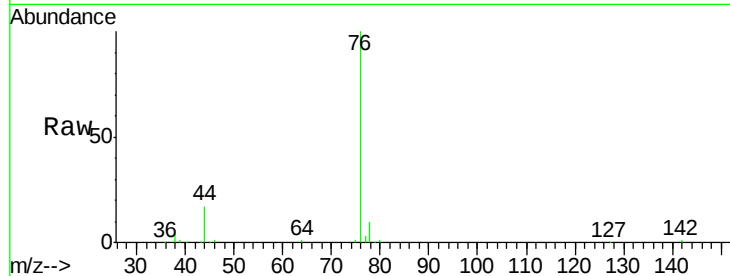




#17
Carbon Disulfide
Concen: 10.947 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

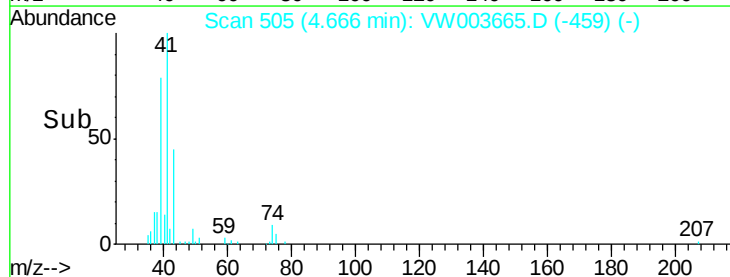
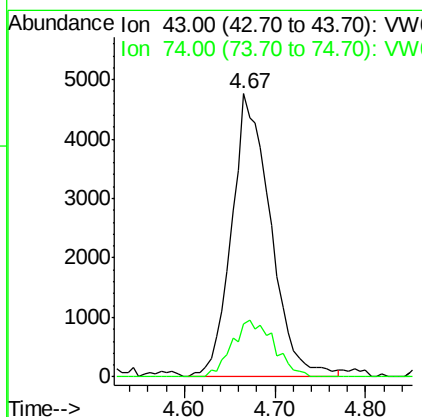
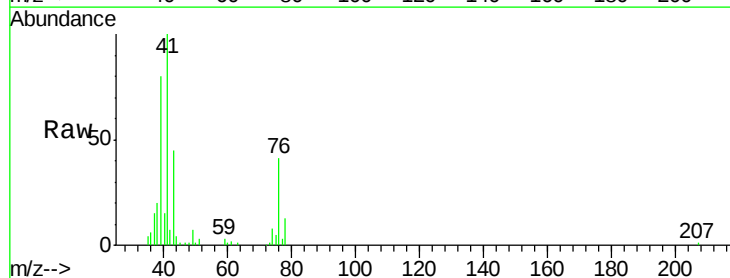
Instrument :
MSVOA_W
ClientSampled :

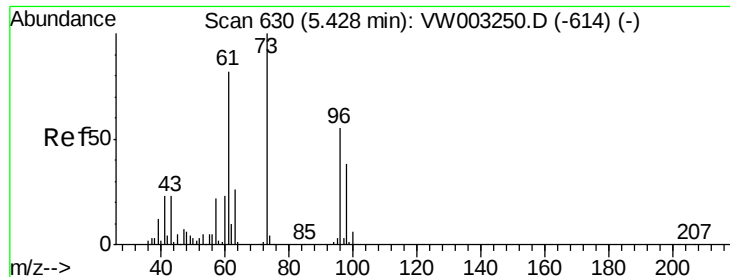
Tot Ion: 76 Resp: 58090
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 13.264 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.02 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 43 Resp: 14174
Ion Ratio Lower Upper
43 100
74 21.5 18.7 28.1

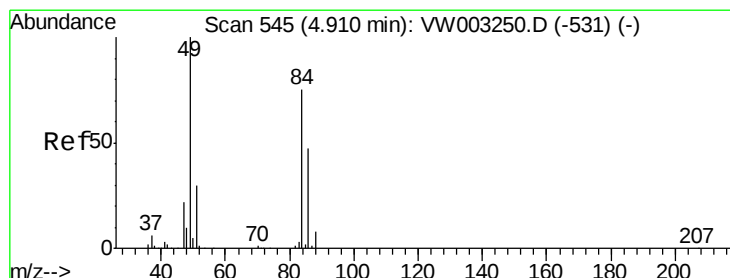
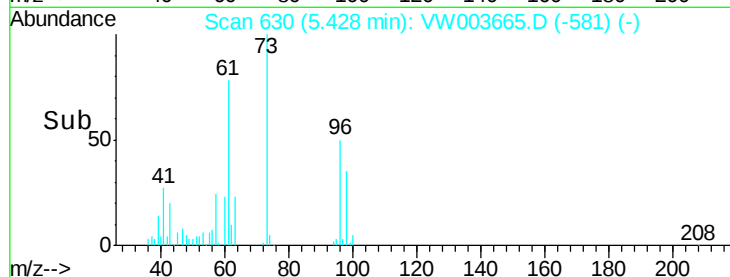
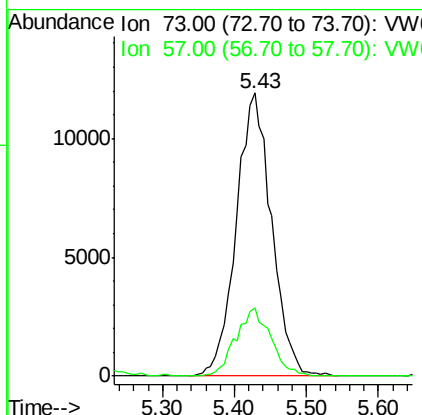
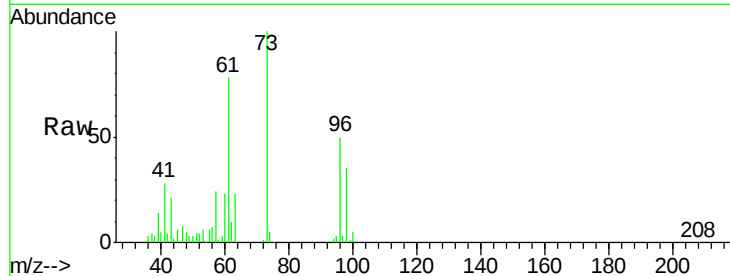




#19
Methvl tert-butvl Ether
Concen: 12.036 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

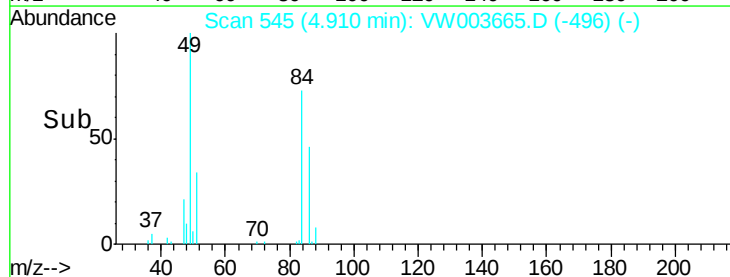
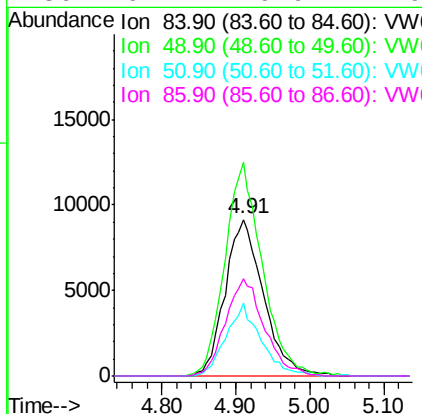
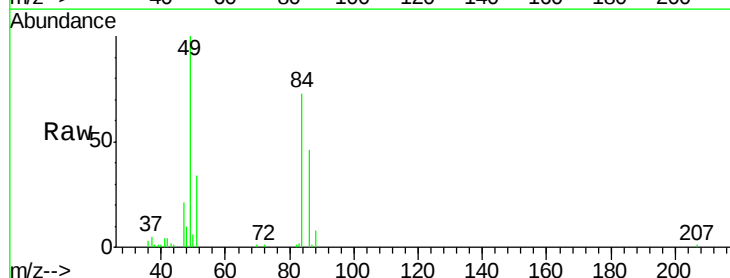
Instrument :
MSVOA_W
ClientSampled :

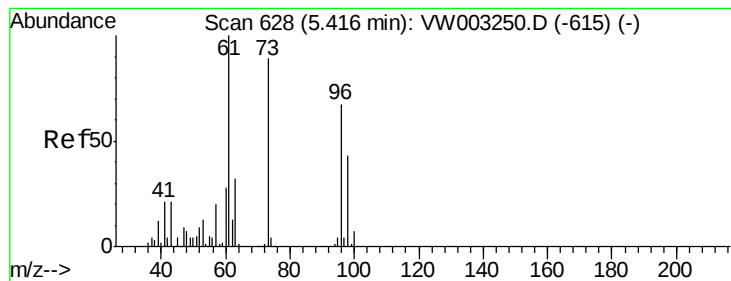
Tot Ion: 73 Resp: 40465
Ion Ratio Lower Upper
73 100
57 23.9 18.0 27.0



#20
Methylene Chloride
Concen: 14.575 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 84 Resp: 32865
Ion Ratio Lower Upper
84 100
49 135.4 106.3 159.5
51 46.5 32.0 48.0
86 62.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 11.711 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

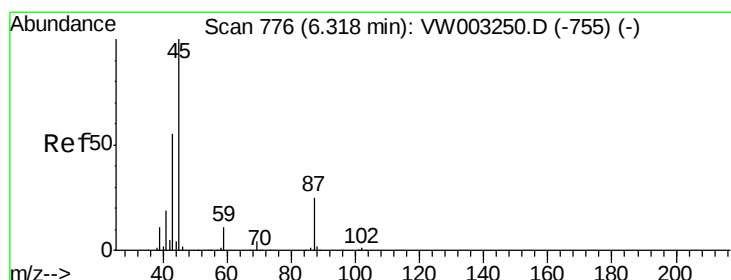
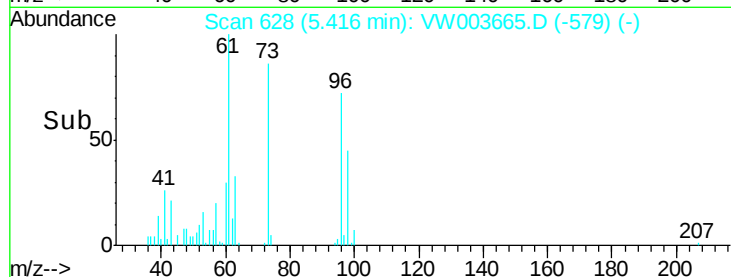
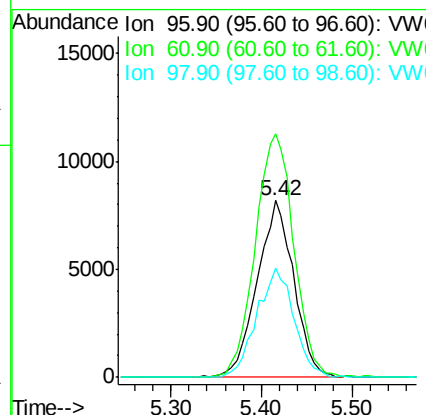
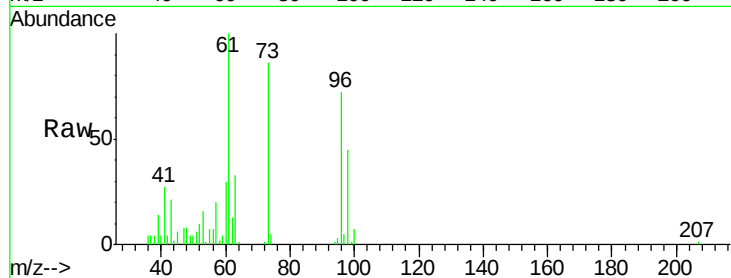
Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 22877

Ion	Ratio	Lower	Upper
96	100		
61	138.0	118.7	178.1
98	62.0	51.0	76.6



#22

Diisopropyl ether

Concen: 11.866 ug/l

RT: 6.32 min Scan# 776

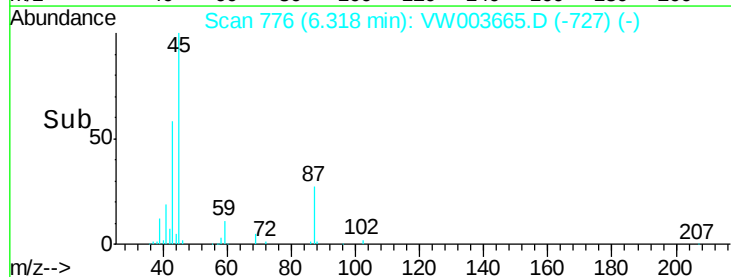
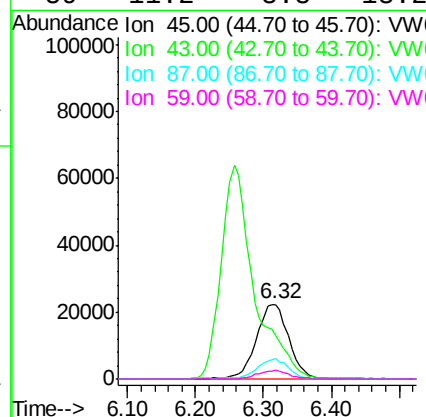
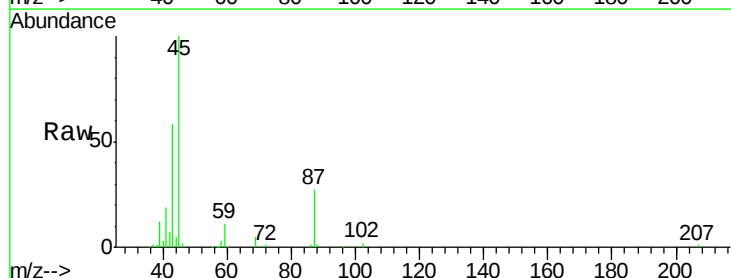
Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Tgt Ion: 45 Resp: 74252

Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.0	66.0
87	27.0	20.6	31.0
59	11.2	8.8	13.2





#23

Vinyl Acetate

Concen: 59.896 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

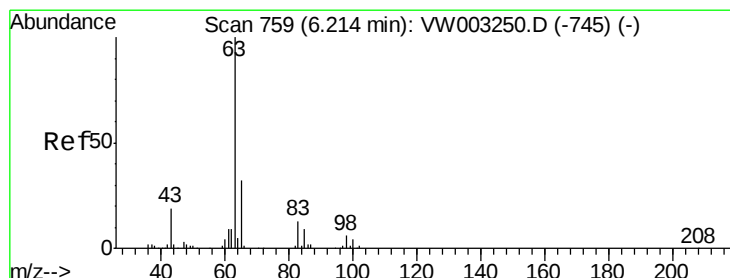
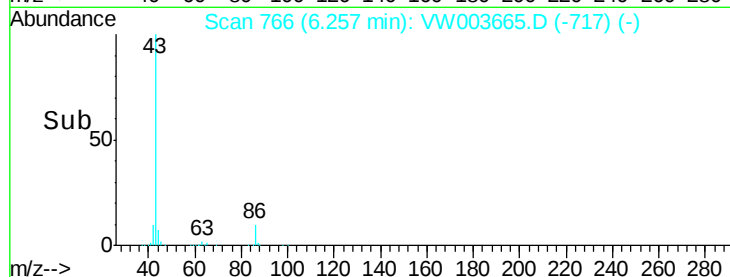
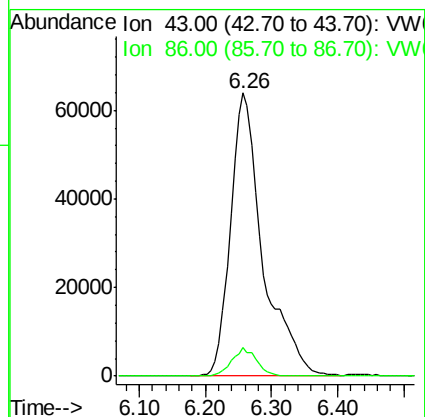
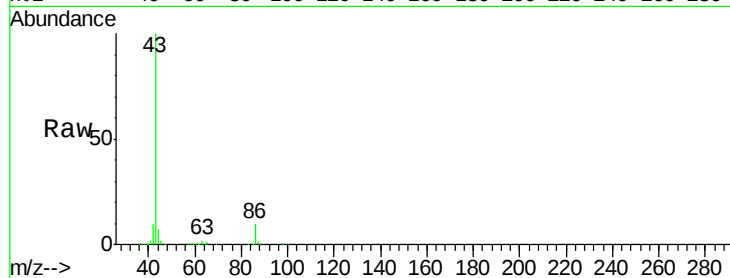
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 215986

Ion Ratio Lower Upper

43 100

86 9.9 7.5 11.3



#24

1,1-Dichloroethane

Concen: 12.145 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

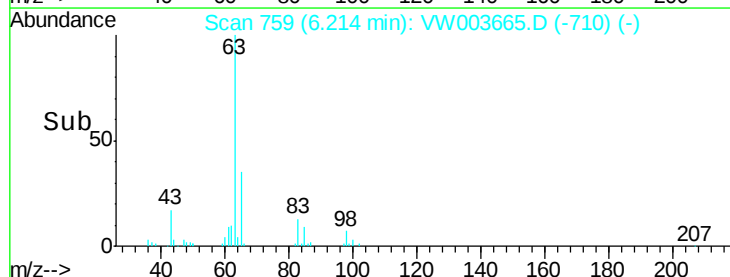
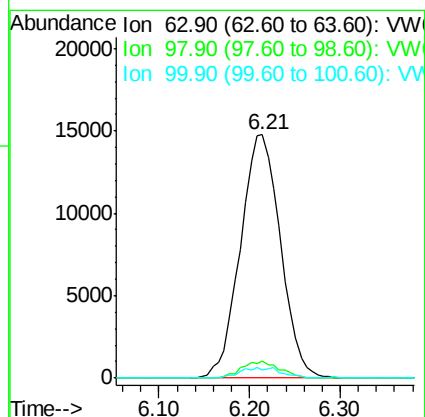
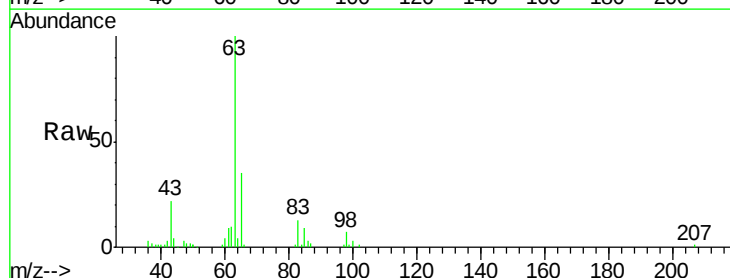
Tgt Ion: 63 Resp: 45117

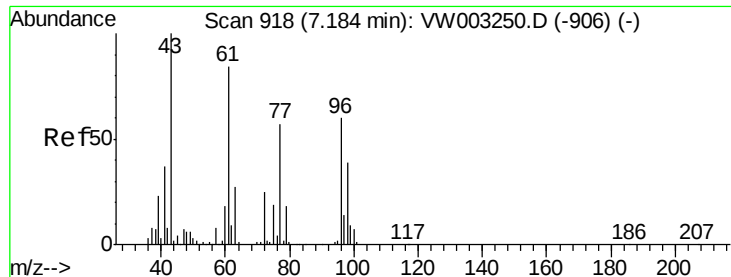
Ion Ratio Lower Upper

63 100

98 7.1 2.8 8.3

100 3.4 2.1 6.5

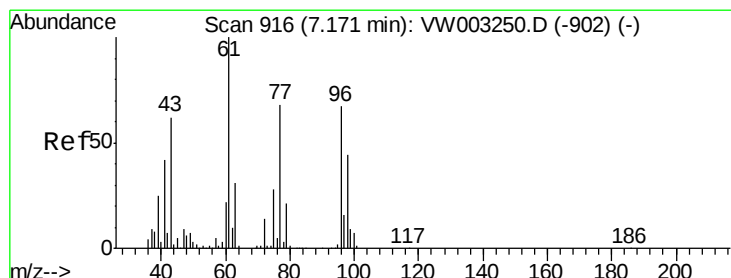
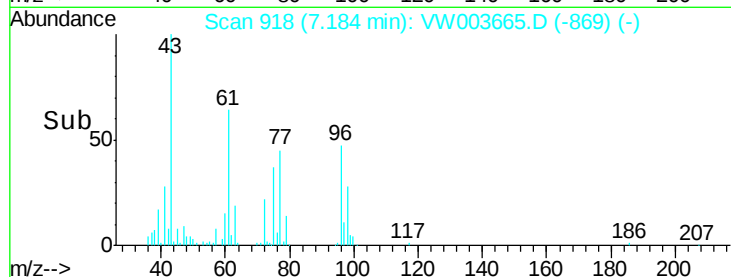
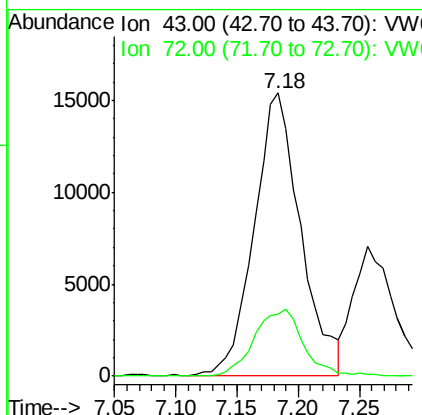
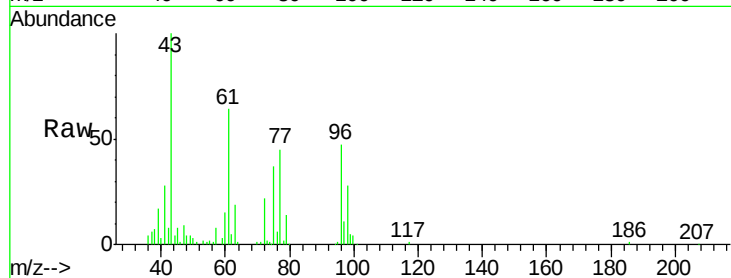




#25
2-Butanone
Concen: 73.004 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

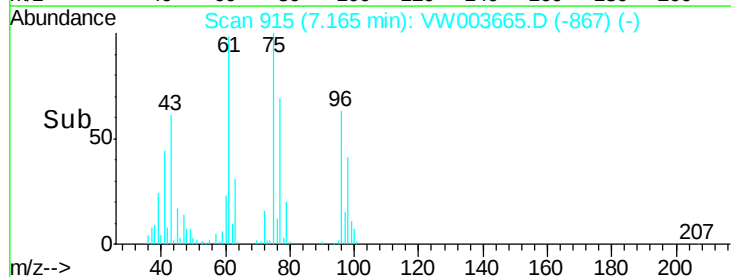
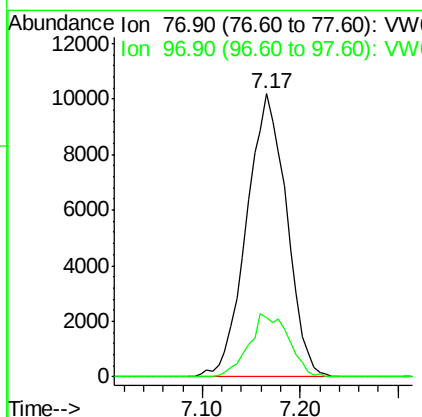
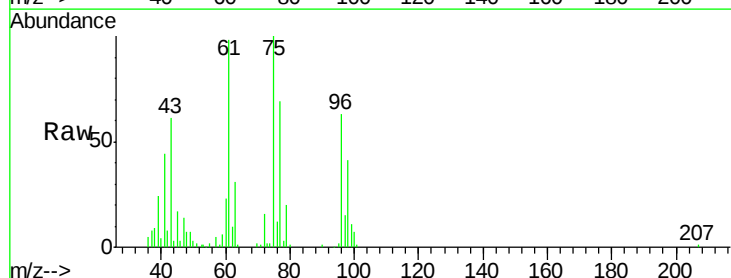
Instrument :
MSVOA_W
ClientSampled :

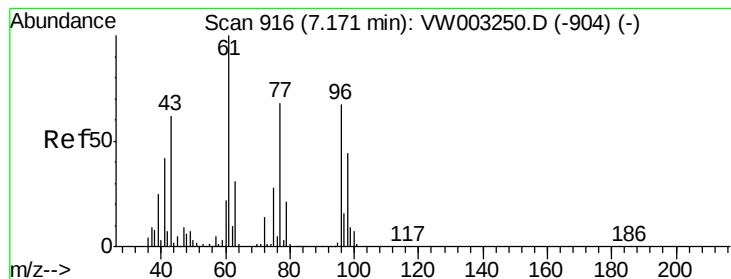
Tot Ion: 43 Resp: 40891
Ion Ratio Lower Upper
43 100
72 22.1 20.3 30.5



#26
2,2-Dichloropropane
Concen: 11.658 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 77 Resp: 28904
Ion Ratio Lower Upper
77 100
97 22.1 11.3 33.9



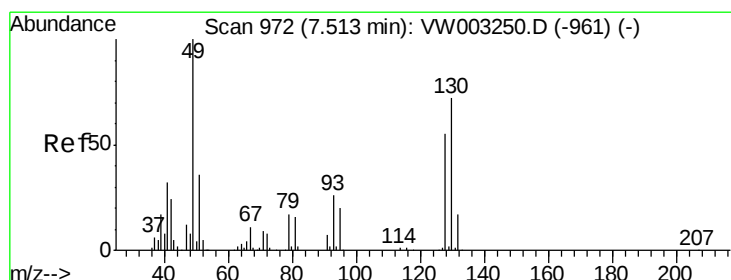
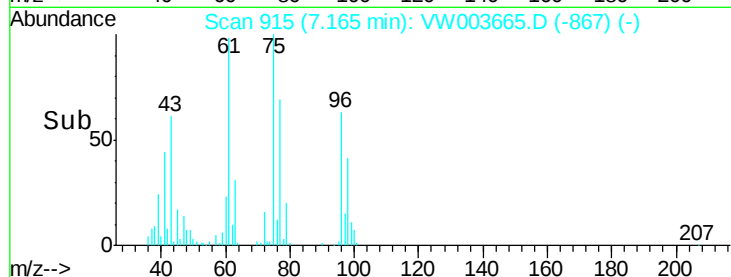
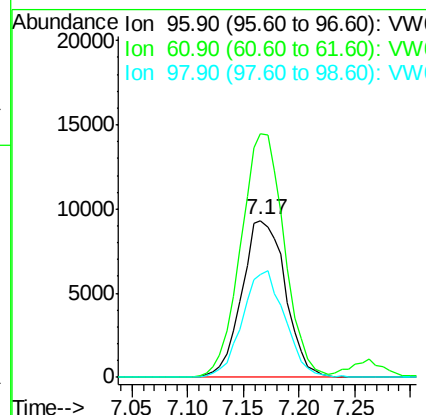
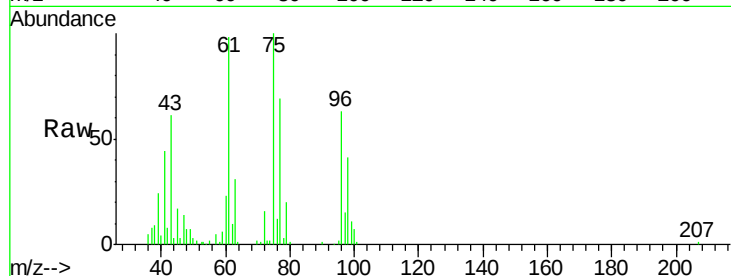


#27

cis-1,2-Dichloroethene
Concen: 11.815 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampled :

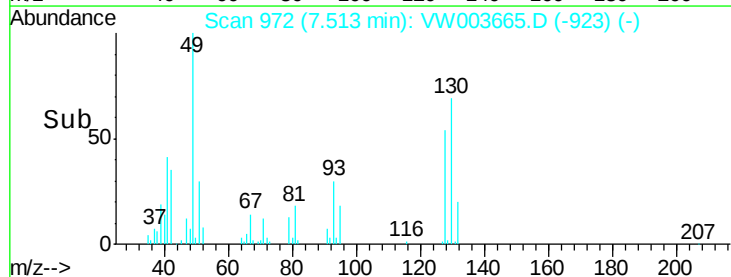
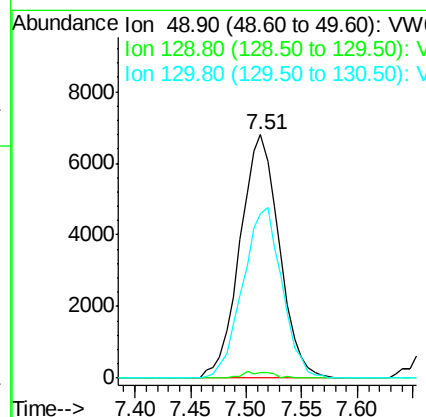
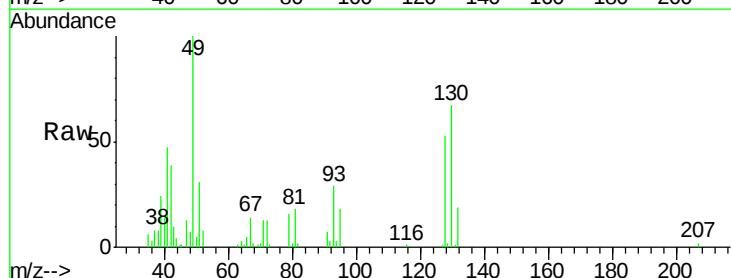
Tot Ion	96	Resp	25355
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	298.8
98	65.9	0.0	130.4

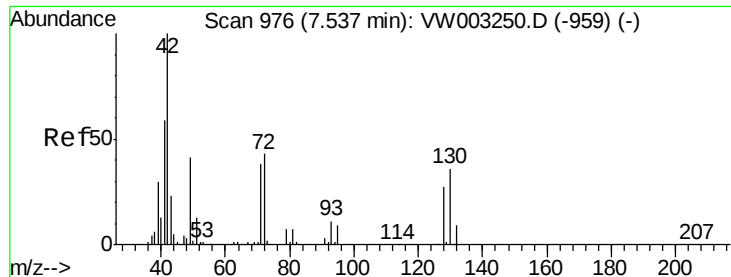


#28

Bromochloromethane
Concen: 10.769 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion	49	Resp	16648
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	70.1	59.4	89.2

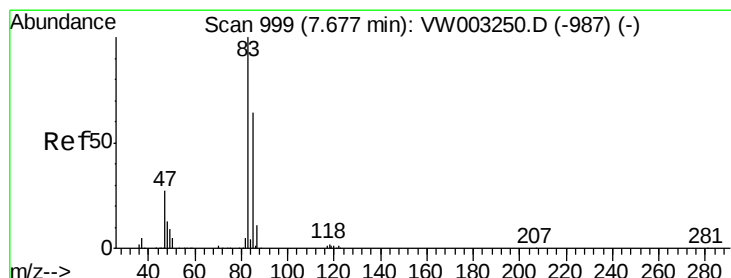
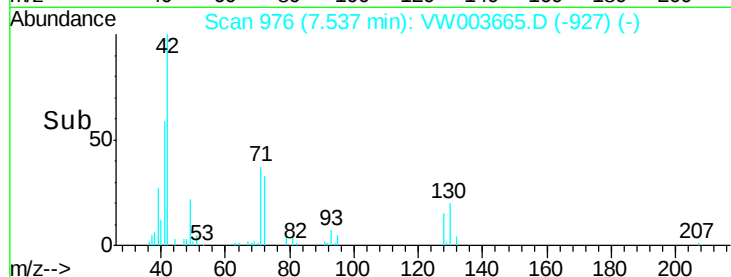
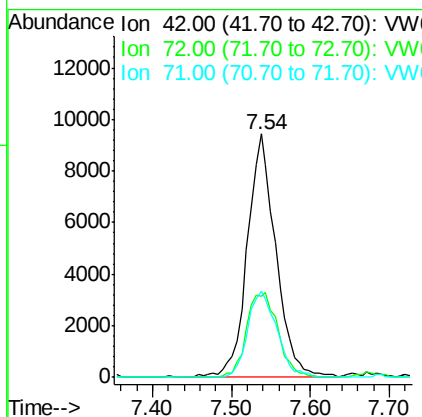
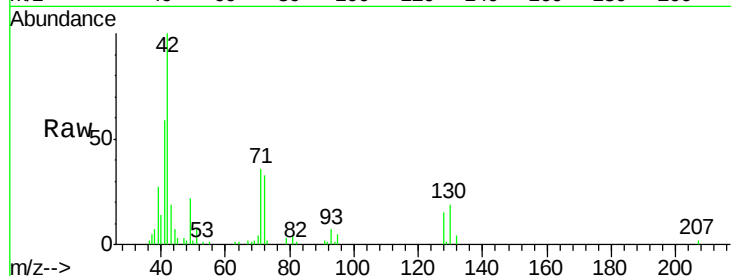




#29
Tetrahydrofuran
Concen: 69.755 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

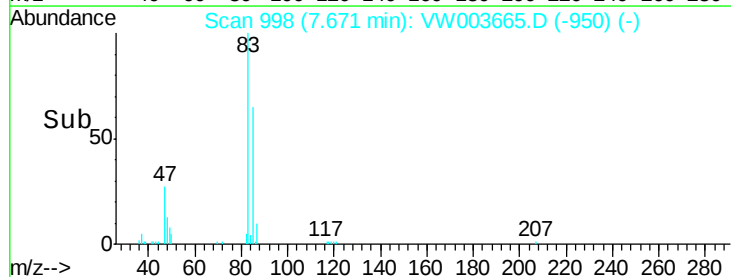
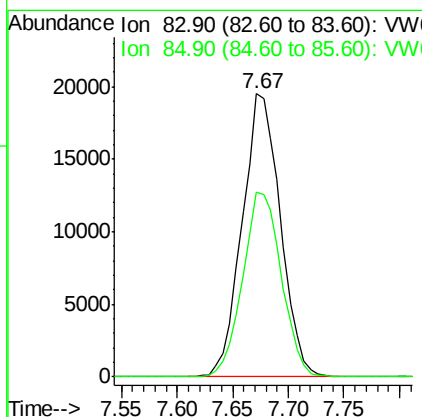
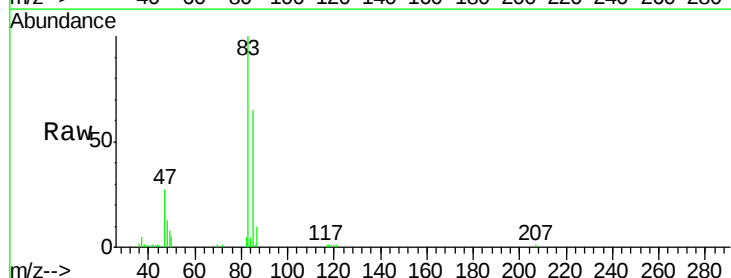
Instrument :
MSVOA_W
ClientSampleId :

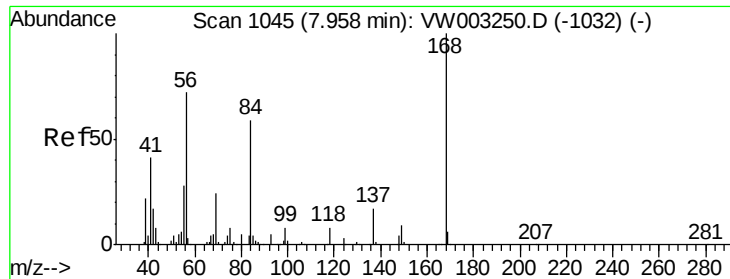
Tot Ion: 42 Resp: 23879
Ion Ratio Lower Upper
42 100
72 38.0 32.4 48.6
71 35.9 31.2 46.8



#30
Chloroform
Concen: 12.300 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 83 Resp: 46552
Ion Ratio Lower Upper
83 100
85 65.3 51.3 76.9

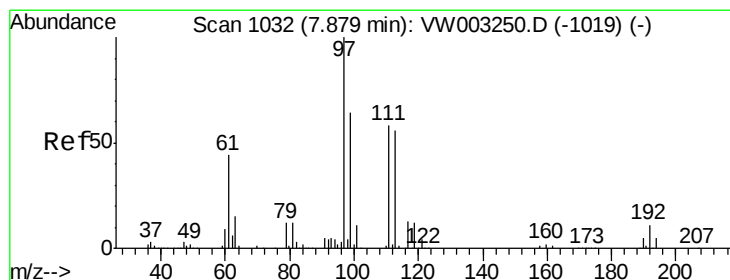
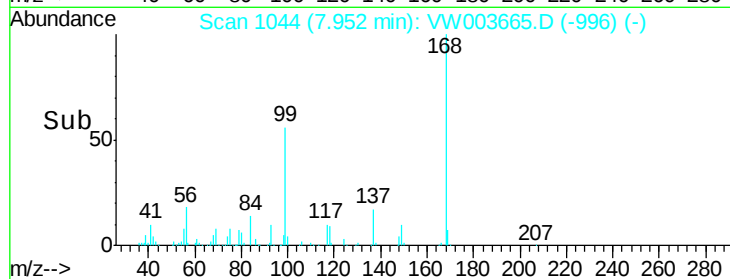
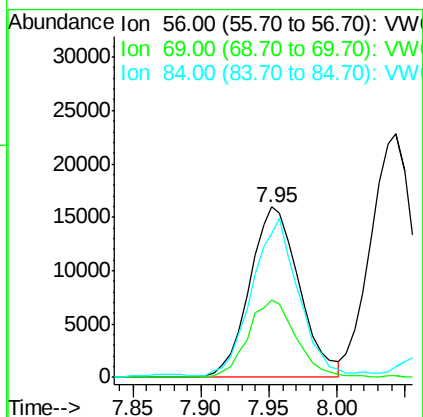
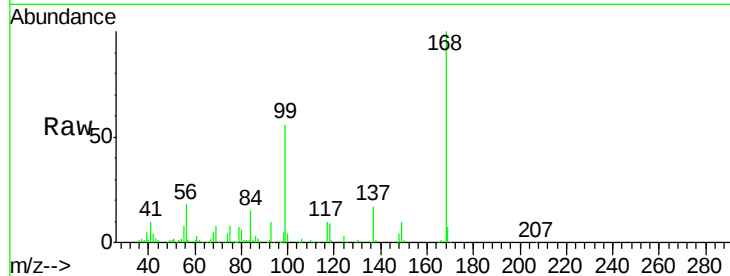




#31
Cyclohexane
Concen: 11.738 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

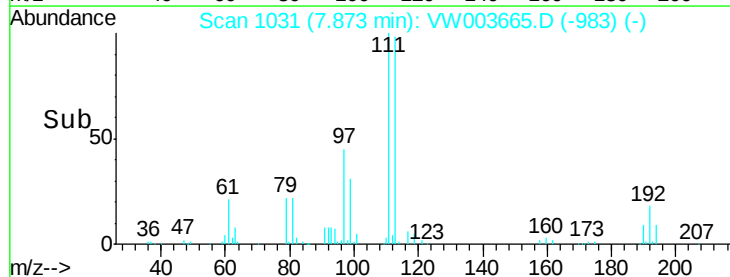
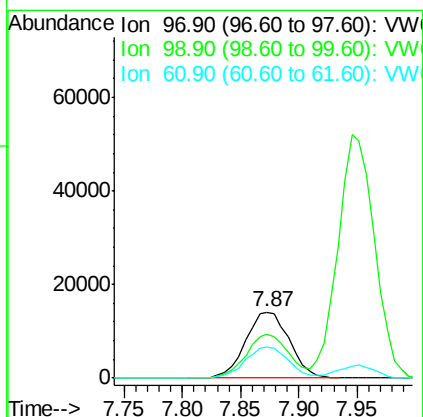
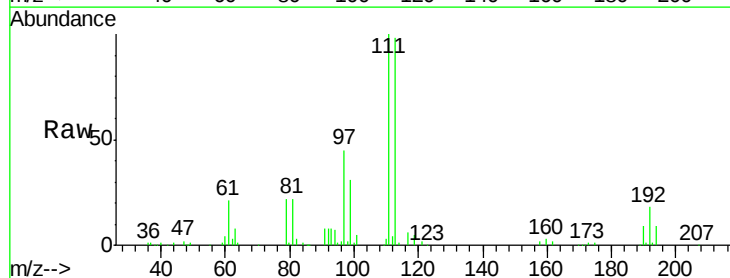
Instrument :
MSVOA_W
ClientSampled :

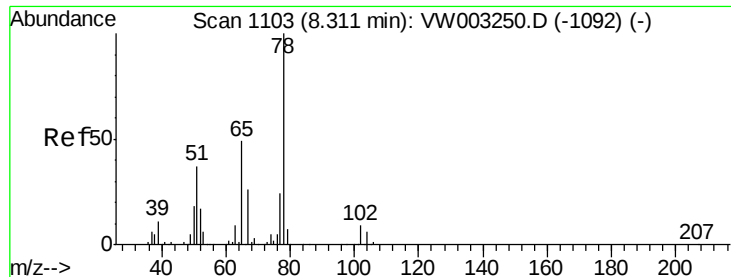
Tot Ion: 56 Resp: 40736
Ion Ratio Lower Upper
56 100
69 45.6 26.3 39.5#
84 83.7 65.7 98.5



#32
1,1,1-Trichloroethane
Concen: 11.760 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 97 Resp: 36736
Ion Ratio Lower Upper
97 100
99 65.4 51.7 77.5
61 47.0 37.6 56.4

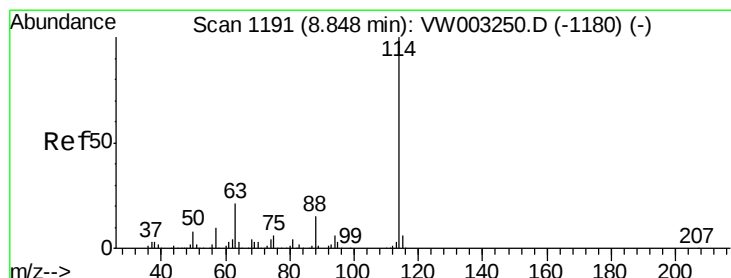
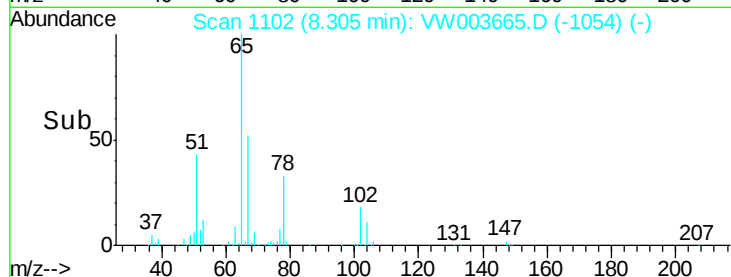
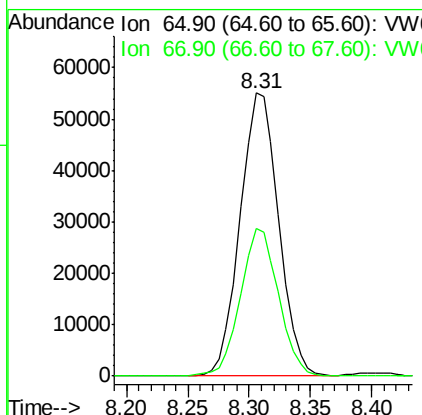
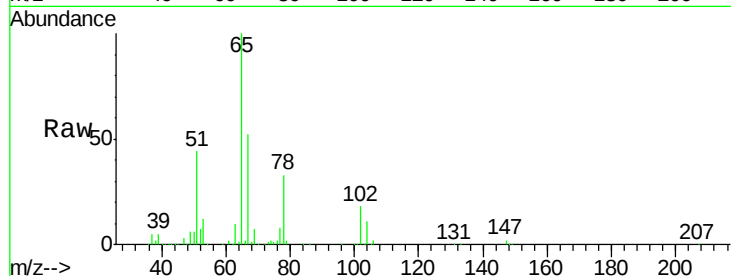




#33
 1,2-Dichloroethane-d4
 Concen: 56.282 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

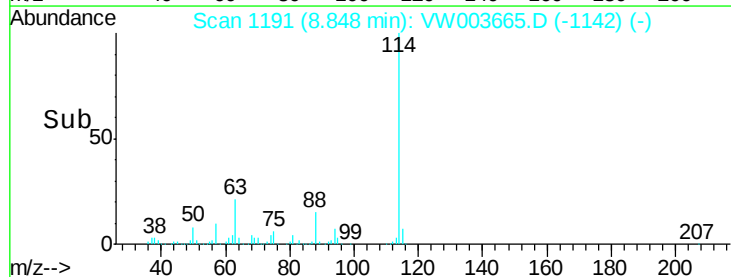
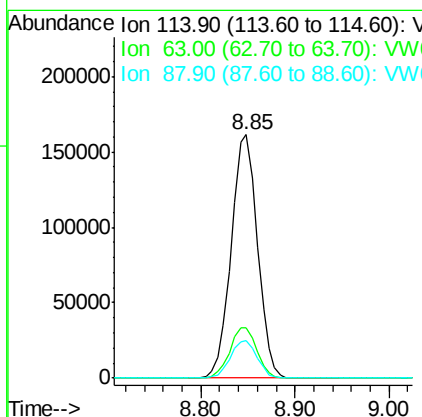
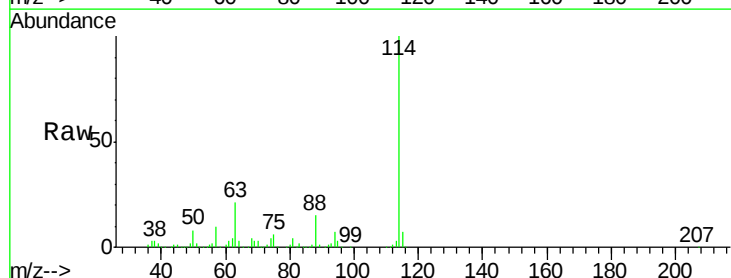
Instrument :
 MSVOA_W
 ClientSampleId :

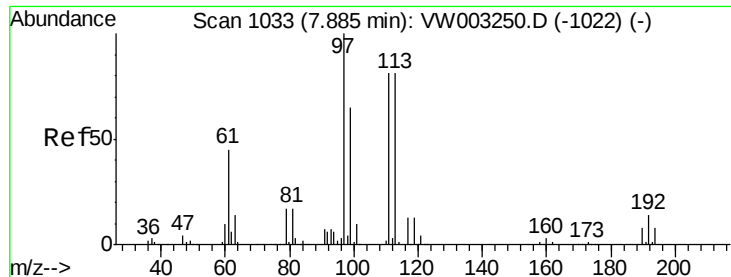
Tot Ion: 65 Resp: 120879
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

Tgt Ion: 114 Resp: 313139
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.0
 88 15.3 0.0 29.6

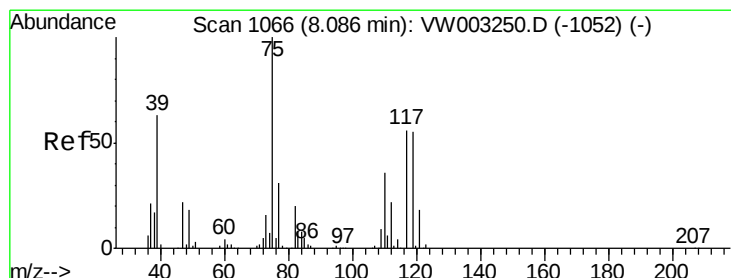
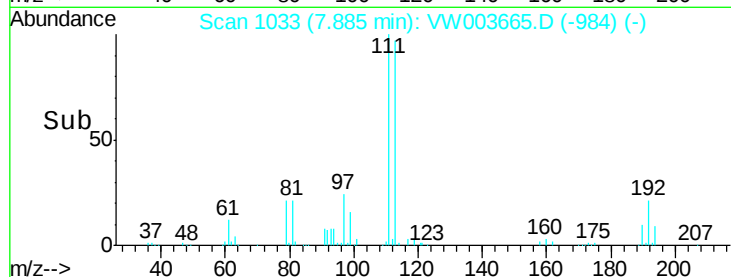
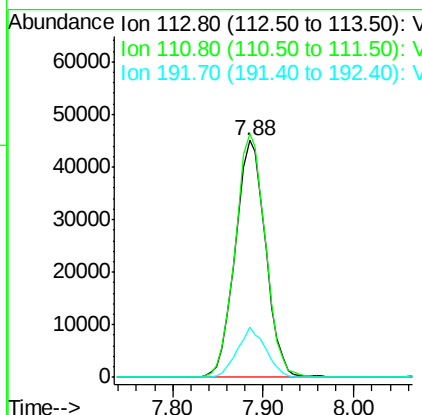
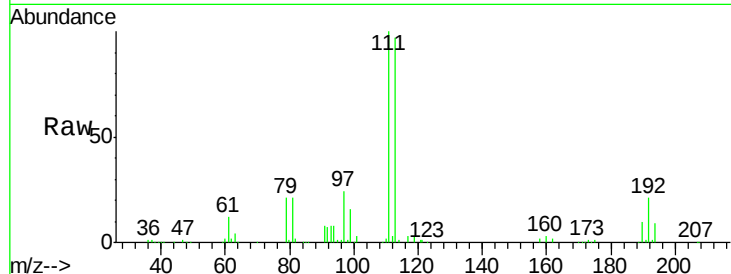




#35
 Dibromofluoromethane
 Concen: 53.779 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

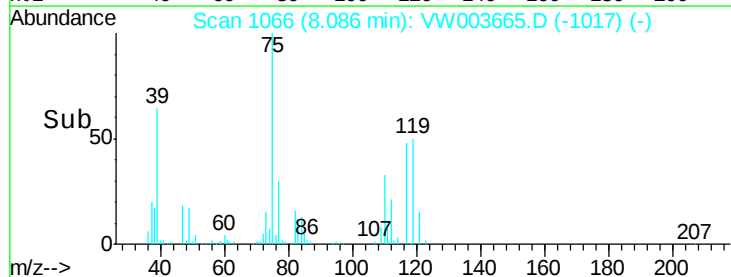
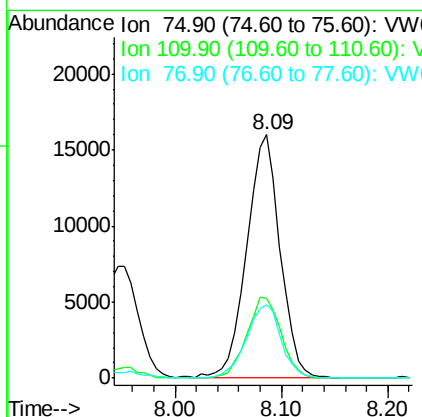
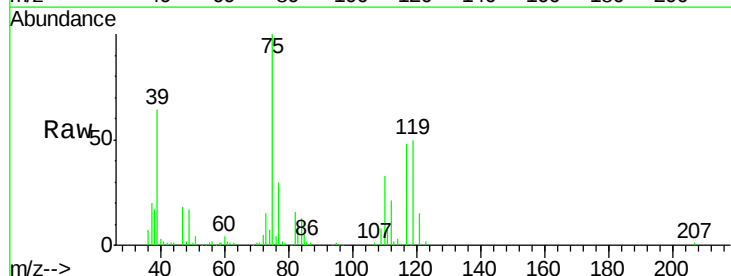
Instrument :
 MSVOA_W
 ClientSampleId :

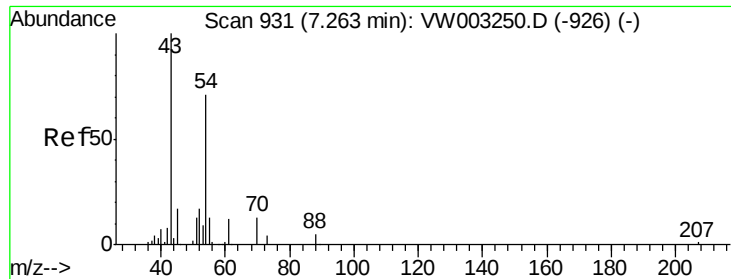
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	19.7	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 11.643 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.1	51.3
77	31.6	24.9	37.3

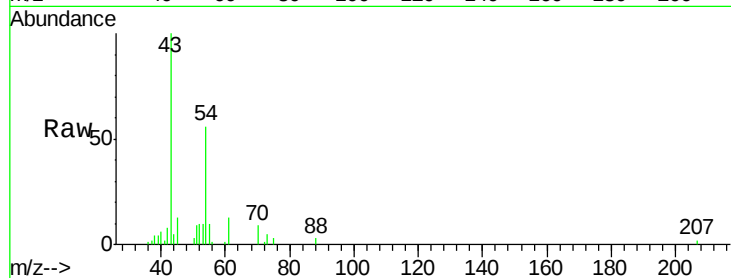




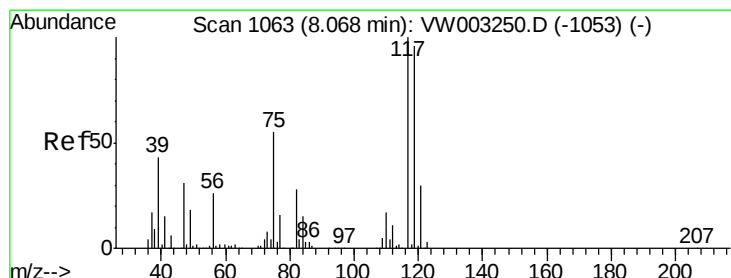
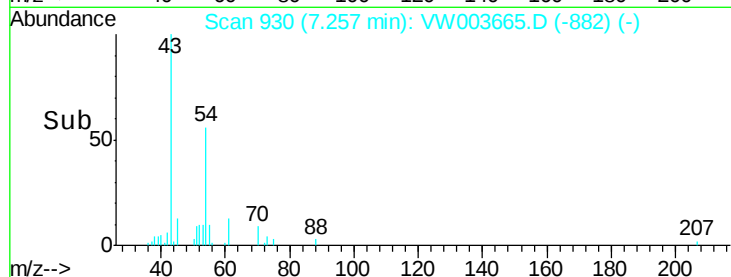
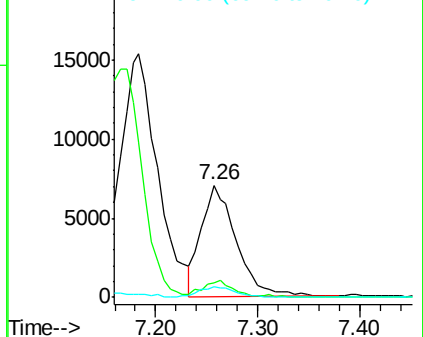
#37
Ethyl Acetate
Concen: 13.359 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16736
Ion Ratio Lower Upper
43 100
61 14.3 10.8 16.2
70 9.9 7.8 11.6

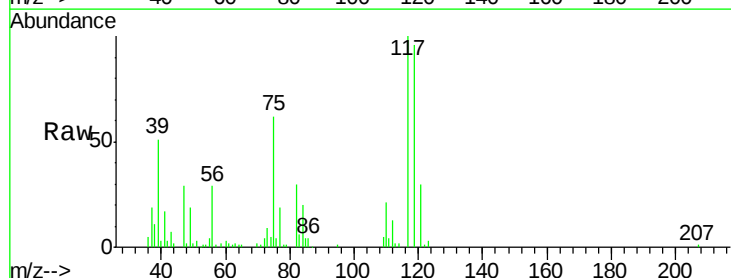


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

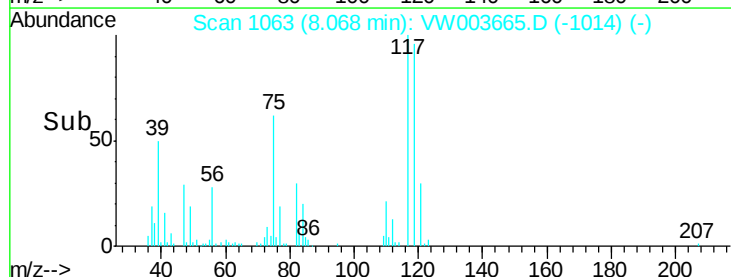
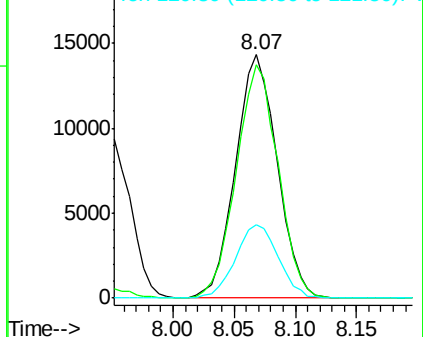


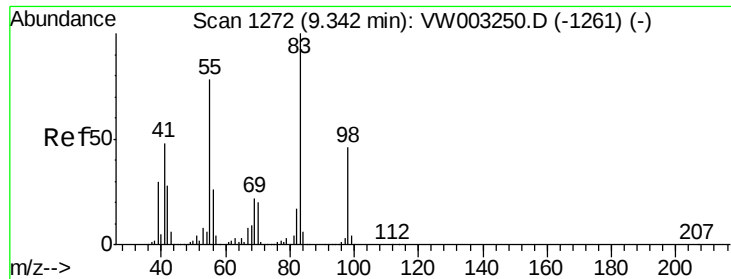
#38
Carbon Tetrachloride
Concen: 11.431 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 117 Resp: 33908
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0
121 30.0 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

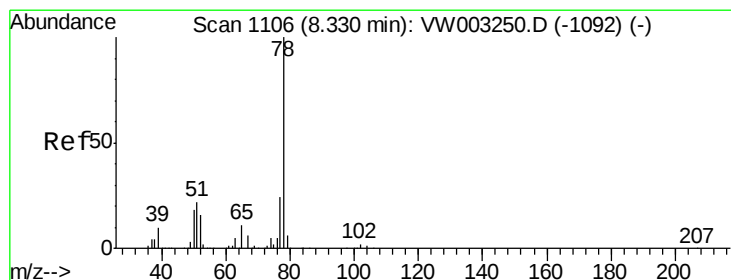
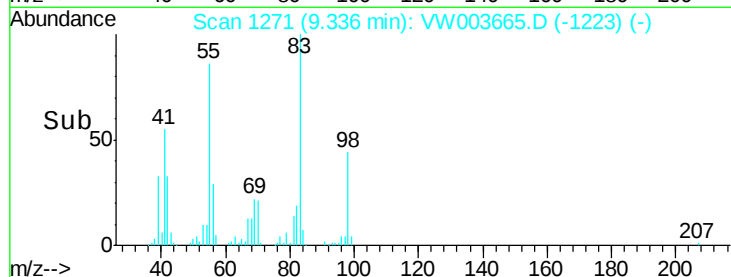
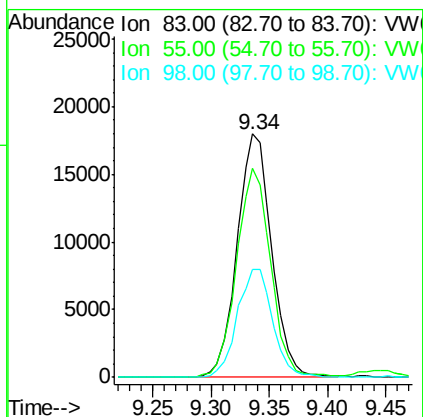
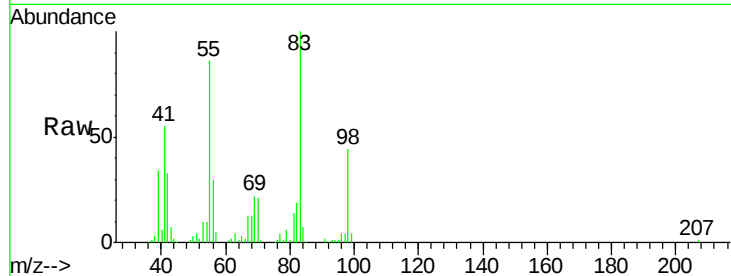




#39
Methvlcvclohexane
Concen: 10.618 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

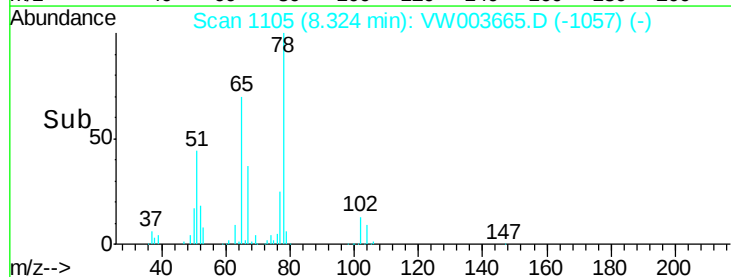
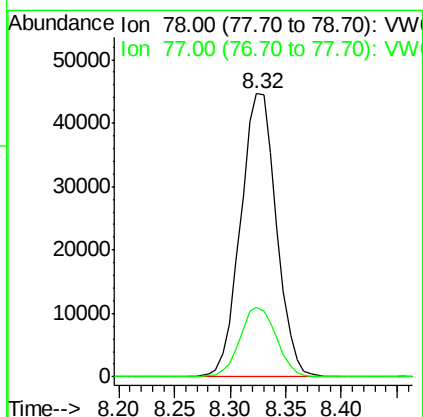
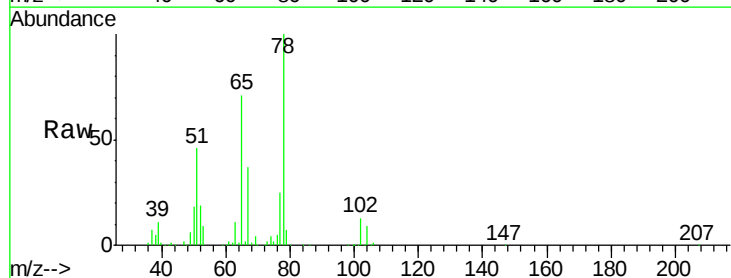
Instrument :
MSVOA_W
ClientSampled :

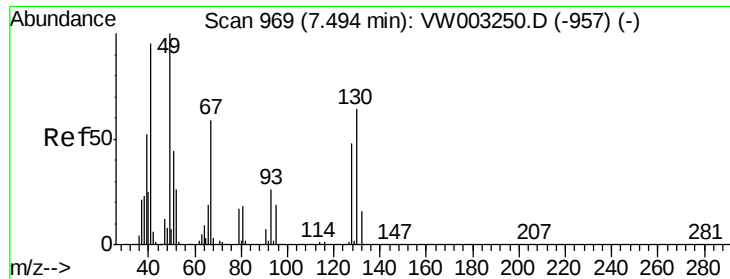
Tot Ion: 83 Resp: 37154
Ion Ratio Lower Upper
83 100
55 86.1 62.6 93.8
98 44.4 37.0 55.4



#40
Benzene
Concen: 11.973 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 78 Resp: 99801
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6

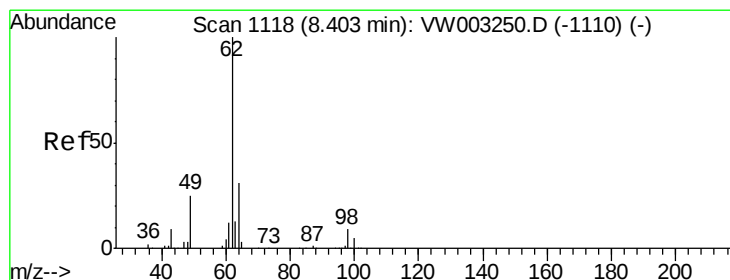
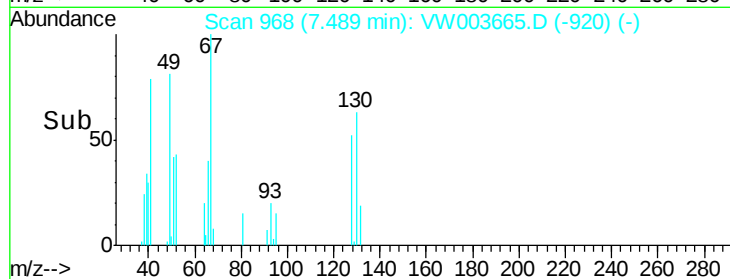
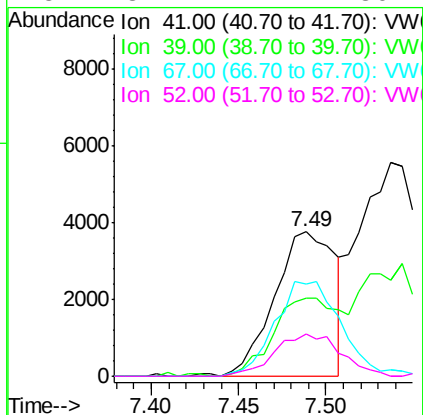
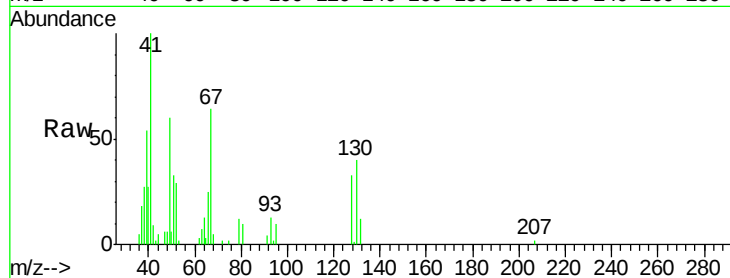




#41
Methacrylonitrile
Concen: 11.815 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

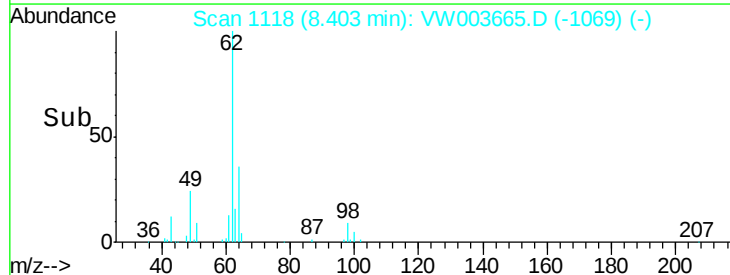
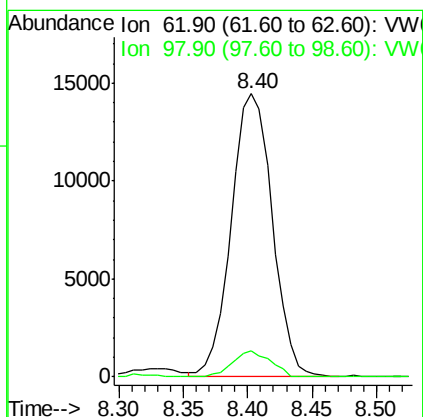
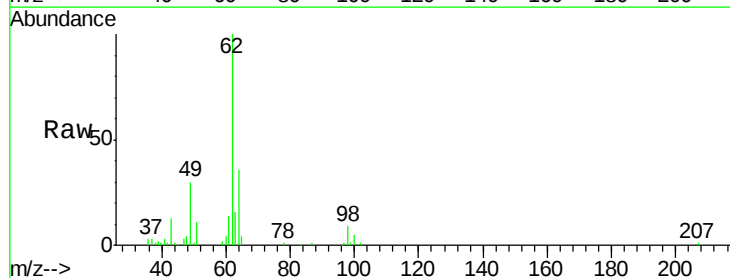
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	9083
Ion	Ratio	Lower	Upper
41	100		
39	62.0	45.8	68.8
67	71.5	52.3	78.5
52	31.7	24.1	36.1



#42
1,2-Dichloroethane
Concen: 12.251 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion:	62	Resp:	31994
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2



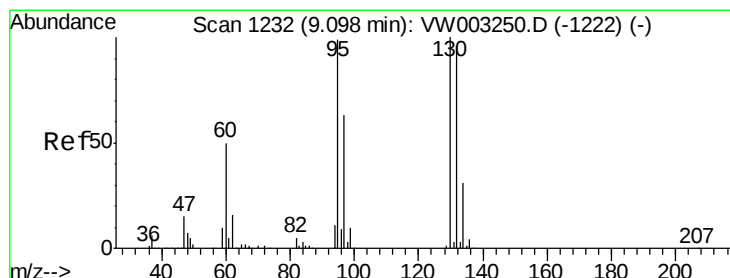
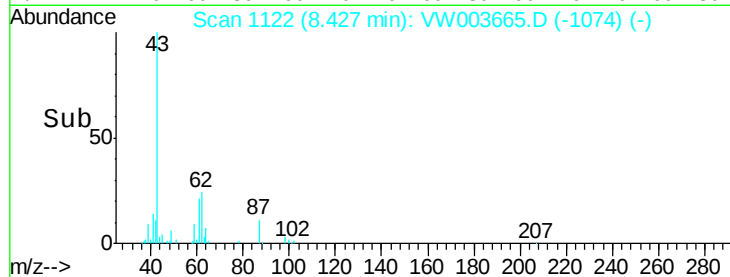
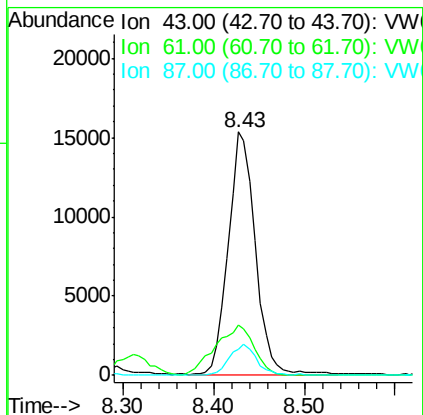
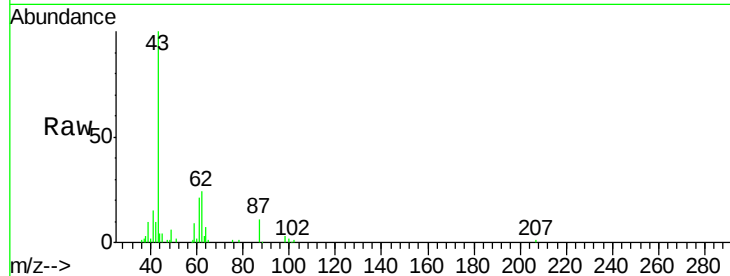


#43

Isopropyl Acetate
 Concen: 12.951 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

Instrument :
 MSVOA_W
 ClientSampleId :

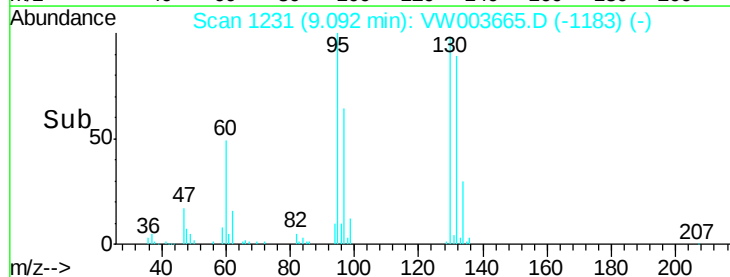
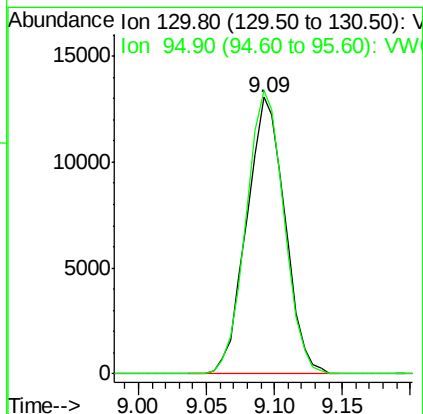
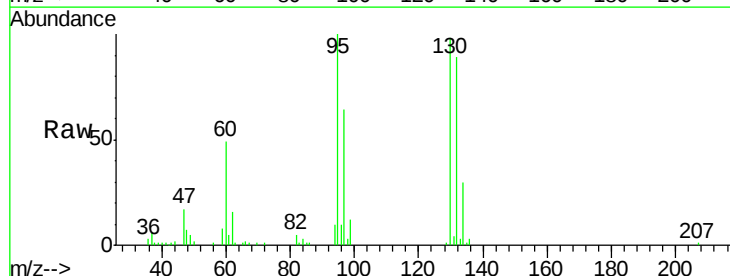
Tot Ion	43	Resp	32218
Ion Ratio	Lower	Upper	
43	100		
61	29.0	23.1	34.7
87	12.6	9.8	14.6



#44

Trichloroethene
 Concen: 11.685 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

Tgt Ion	130	Resp	25810
Ion Ratio	Lower	Upper	
130	100		
95	102.3	0.0	198.0





#45

1,2-Dichloropropane

Concen: 12.112 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

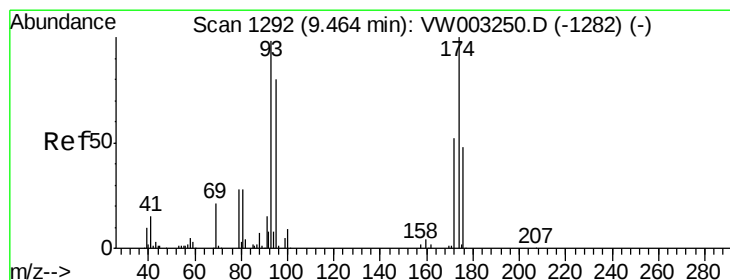
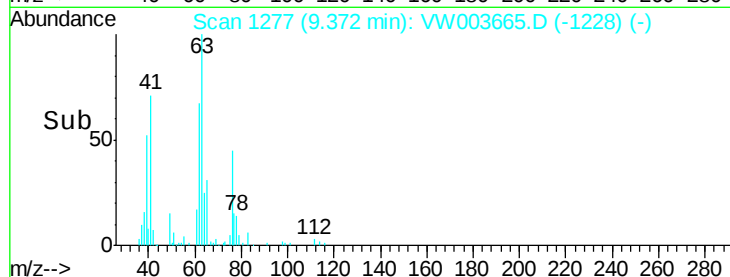
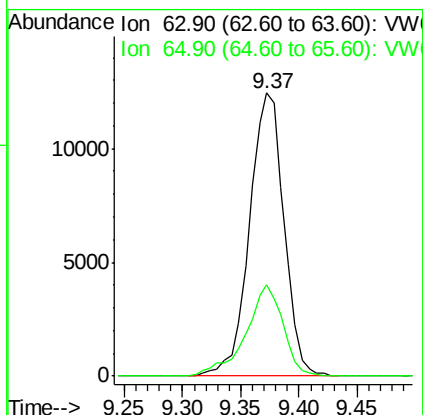
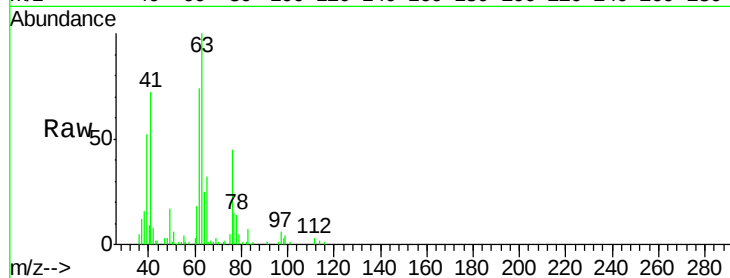
ClientSampled :

Tot Ion: 63 Resp: 25707

Ion Ratio Lower Upper

63 100

65 32.1 25.1 37.7



#46

Dibromomethane

Concen: 12.735 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

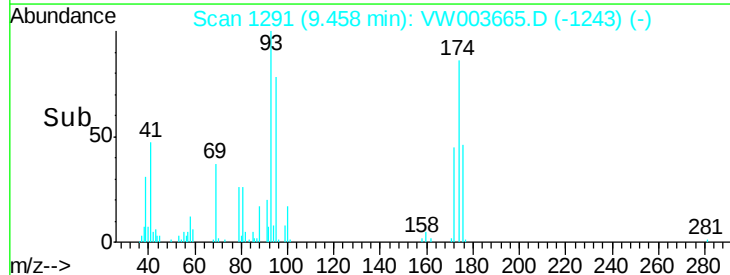
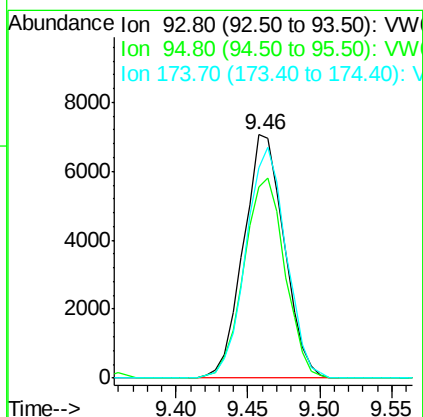
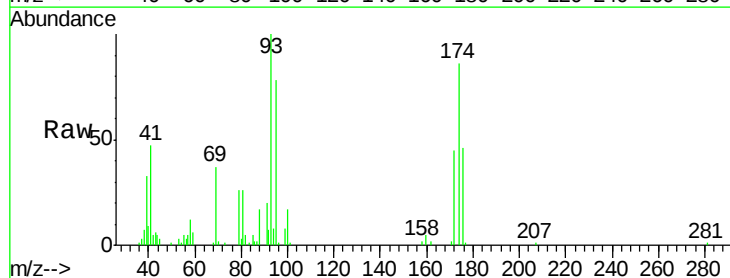
Tgt Ion: 93 Resp: 13838

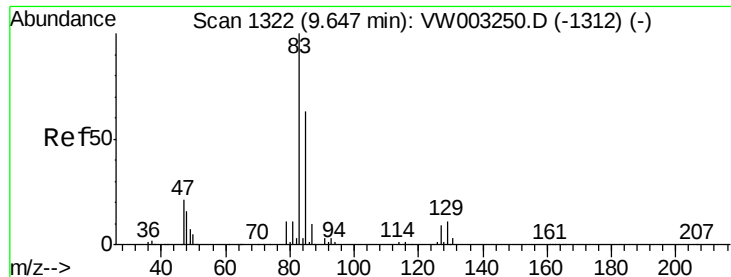
Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.8

174 93.6 81.4 122.0





#47

Bromodichloromethane

Concen: 11.849 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampleId :

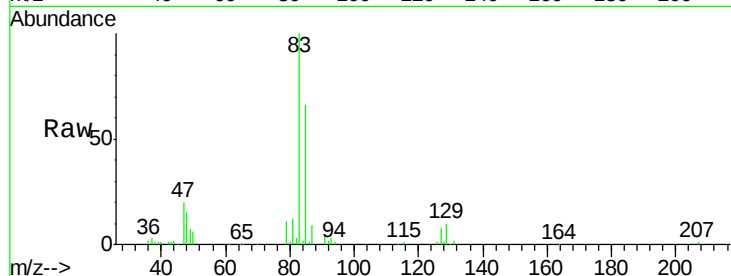
Tot Ion: 83 Resp: 33003

Ion Ratio Lower Upper

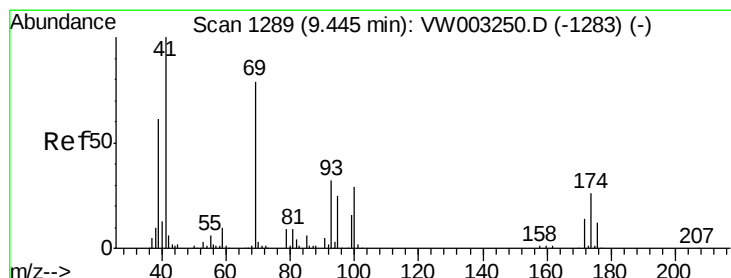
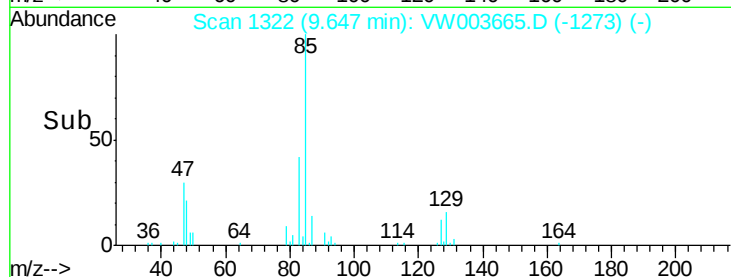
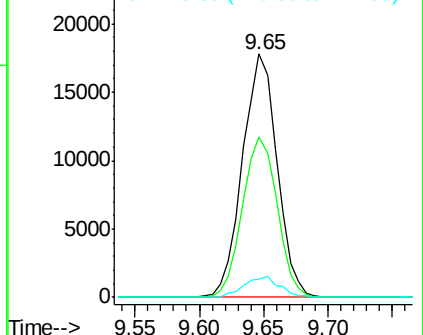
83 100

85 66.0 50.6 75.8

127 7.6 6.8 10.2



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



#48

Methyl methacrylate

Concen: 12.477 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

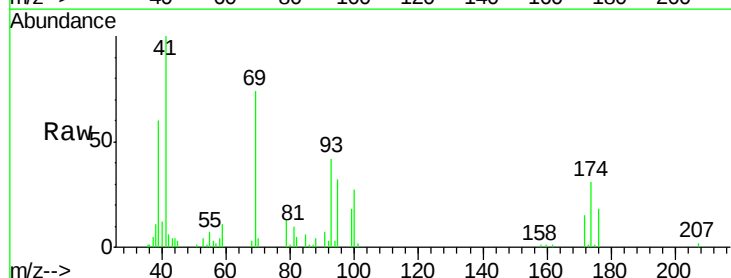
Tgt Ion: 41 Resp: 14587

Ion Ratio Lower Upper

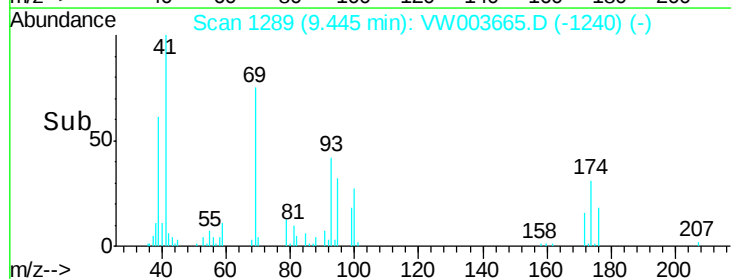
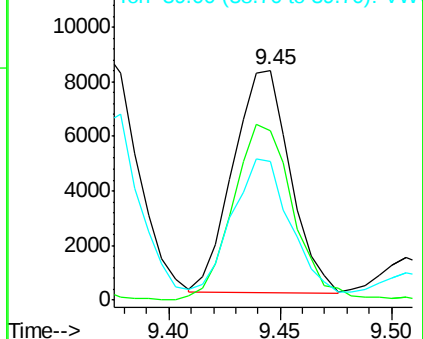
41 100

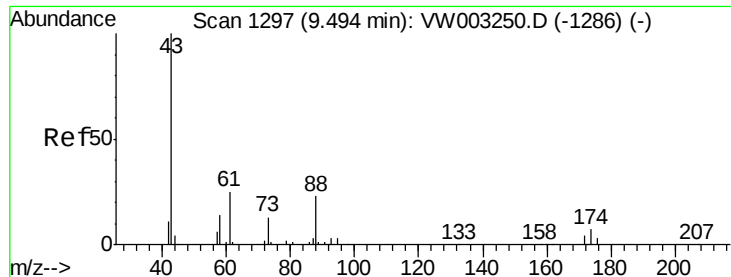
69 83.6 65.4 98.2

39 68.1 54.2 81.2



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





#49

1,4-Dioxane

Concen: 251.298 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. -0.02 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

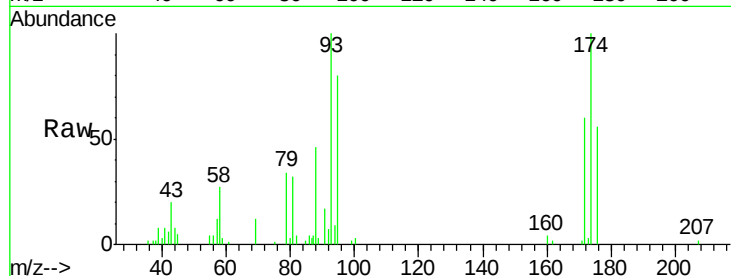
Tot Ion: 88 Resp: 4123

Ion Ratio Lower Upper

88 100

43 0.0 454.7 682.1#

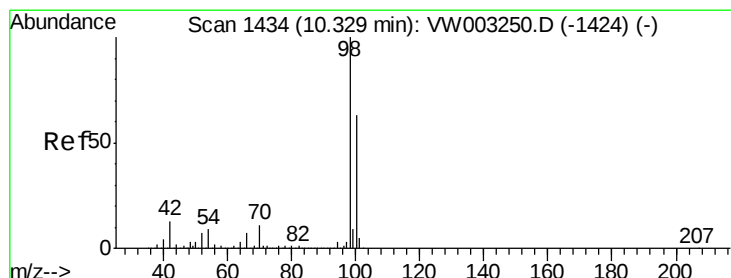
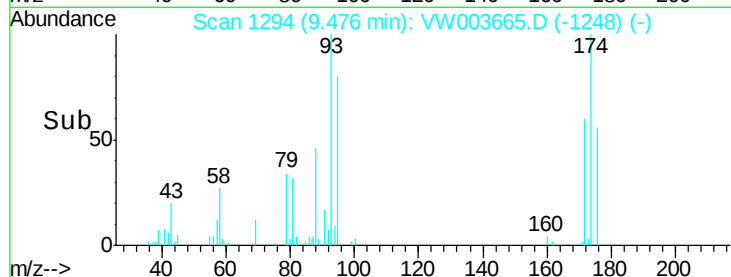
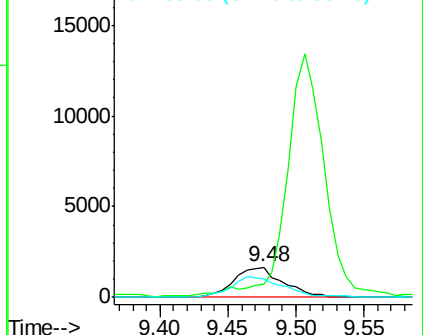
58 74.7 58.6 88.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.696 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003665.D

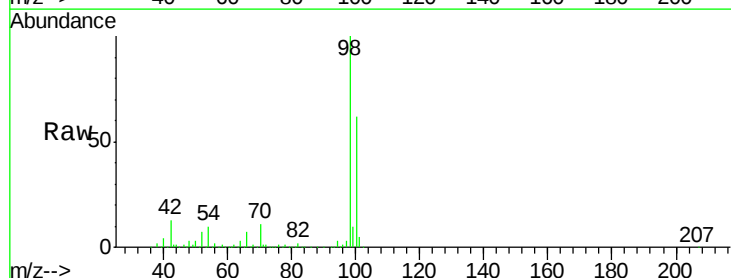
Acq: 29 Jun 2018 17:15

Tgt Ion: 98 Resp: 406567

Ion Ratio Lower Upper

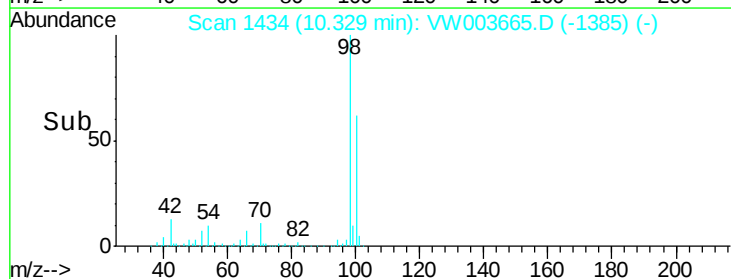
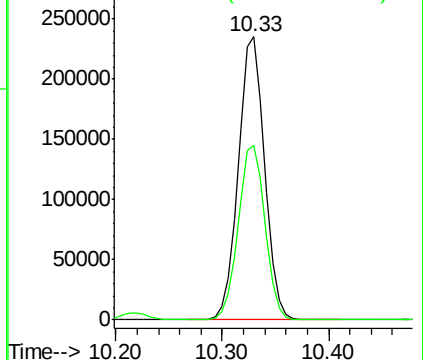
98 100

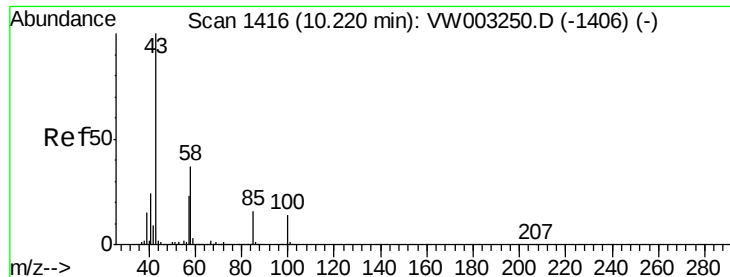
100 63.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 66.072 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

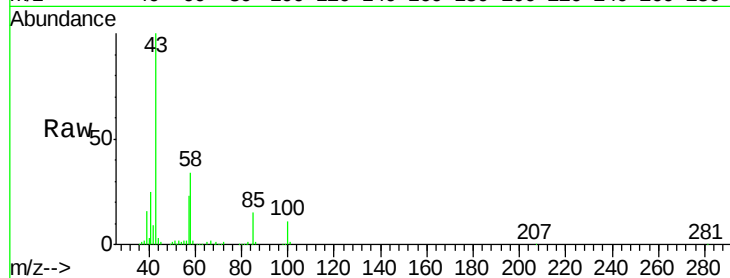
ClientSampled :

Tot Ion: 43 Resp: 83752

Ion Ratio Lower Upper

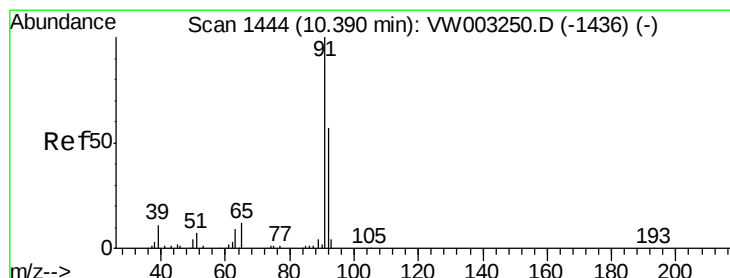
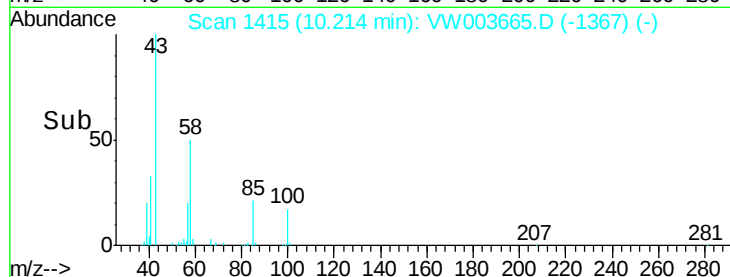
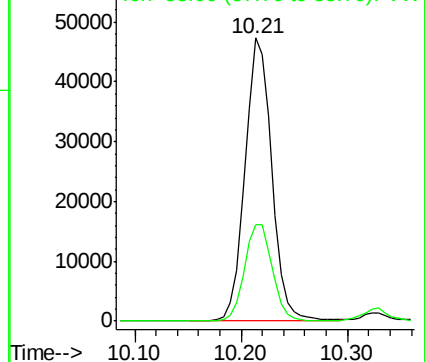
43 100

58 35.4 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 12.055 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003665.D

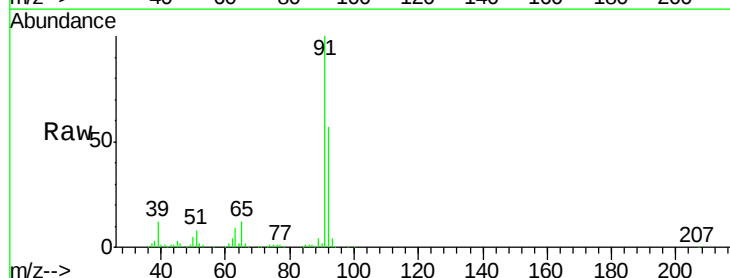
Acq: 29 Jun 2018 17:15

Tgt Ion: 92 Resp: 64441

Ion Ratio Lower Upper

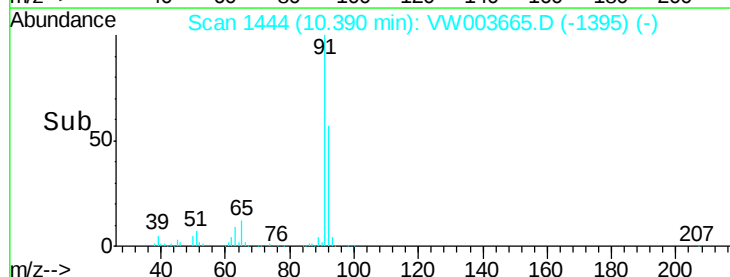
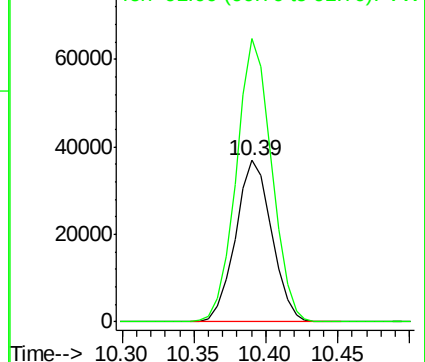
92 100

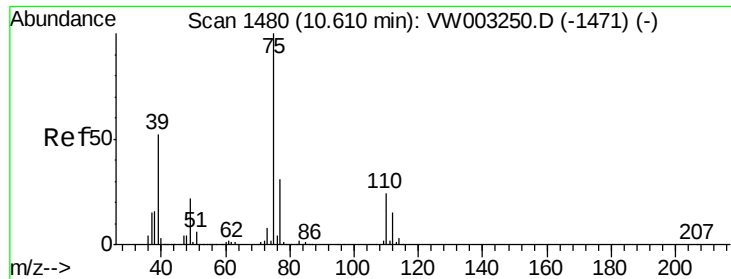
91 171.4 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

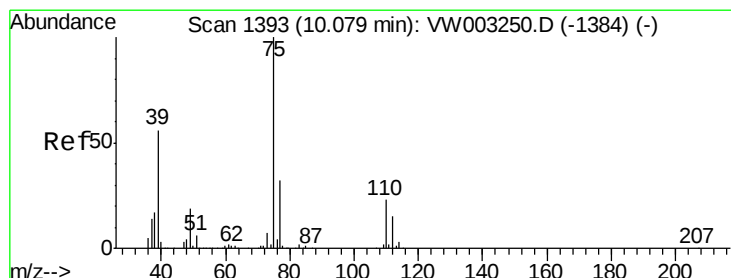
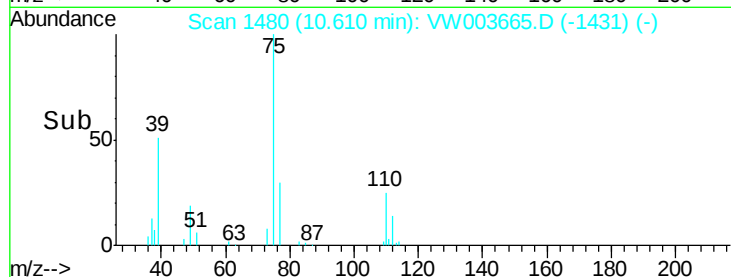
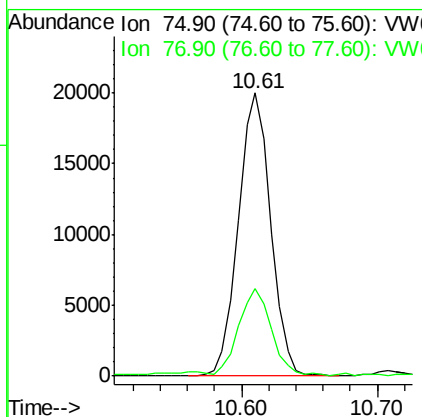
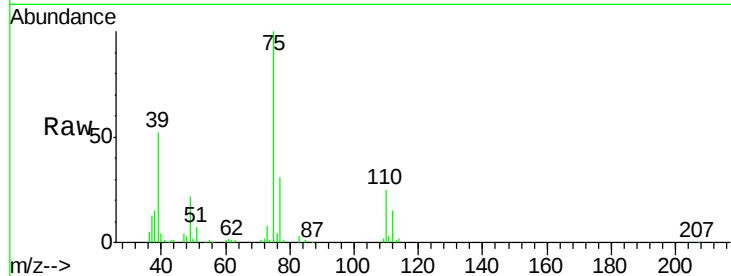




#53
t-1,3-Dichloropropene
Concen: 11.650 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

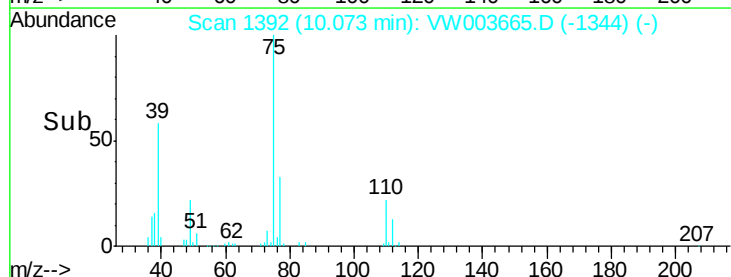
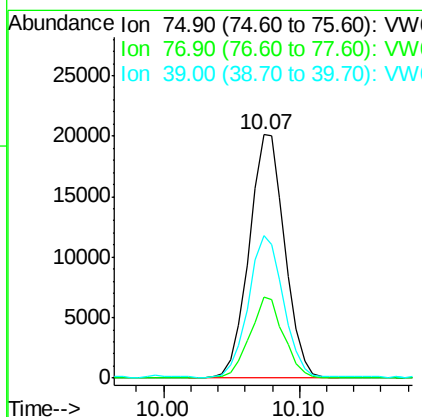
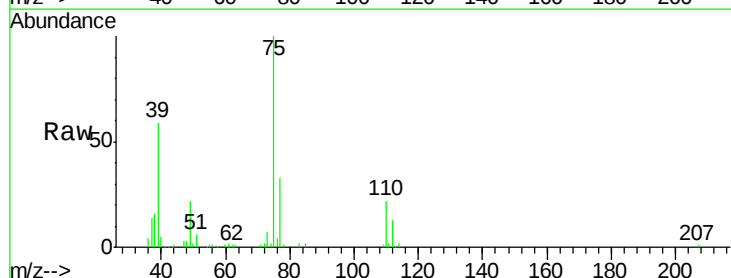
Instrument :
MSVOA_W
ClientSampled :

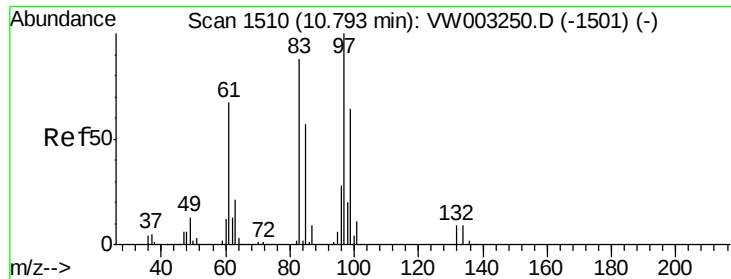
Tot Ion: 75 Resp: 33147
Ion Ratio Lower Upper
75 100
77 30.3 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 11.396 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 75 Resp: 36903
Ion Ratio Lower Upper
75 100
77 33.4 25.8 38.6
39 58.2 45.2 67.8

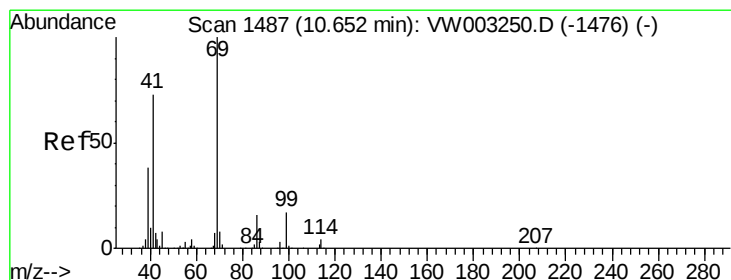
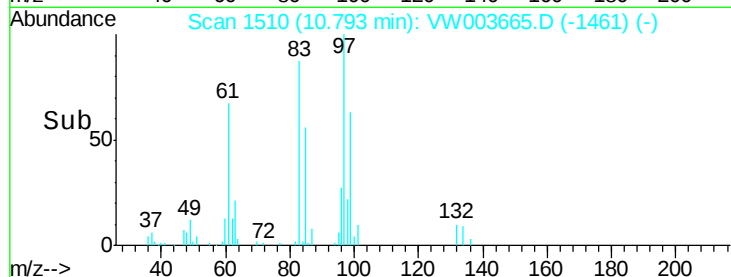
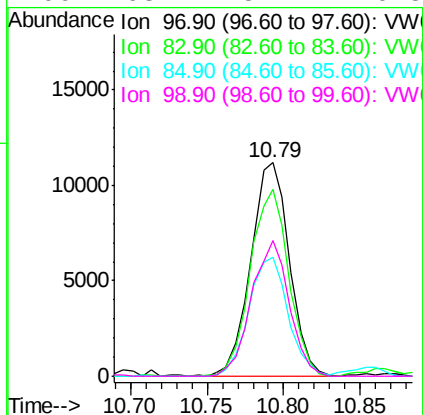
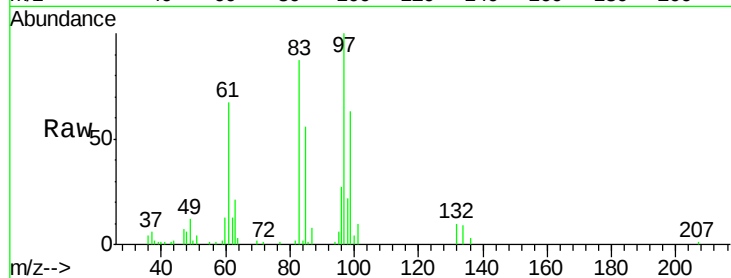




#55
 1,1,2-Trichloroethane
 Concen: 12.846 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

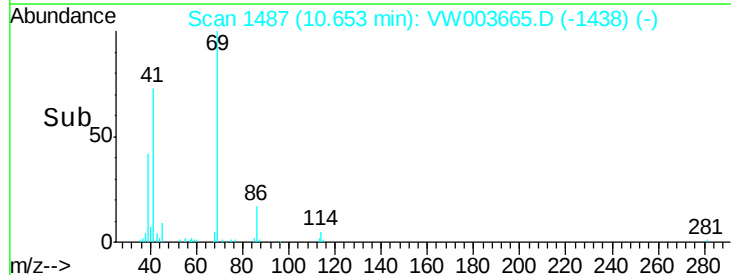
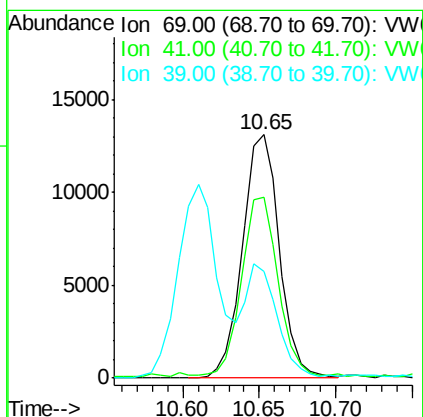
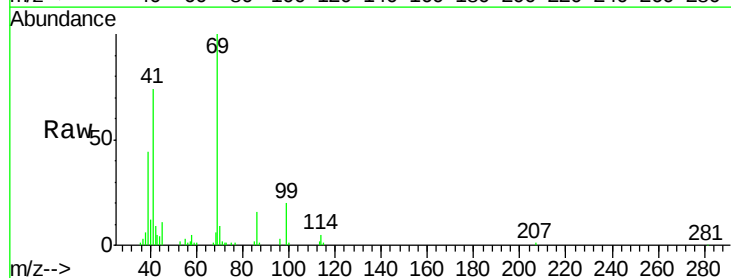
Instrument :
 MSVOA_W
 ClientSampleId :

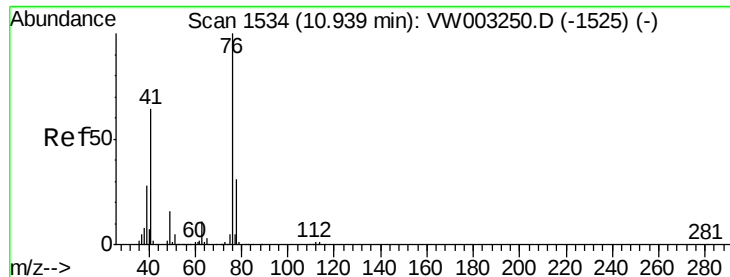
Tot Ion	Resp	Lower	Upper
97	19670		
Ion Ratio			
97	100		
83	87.3	70.2	105.2
85	55.7	45.6	68.4
99	63.2	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 11.781 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

Tgt Ion	Resp	Lower	Upper
69	21905		
Ion Ratio			
69	100		
41	72.2	57.8	86.6
39	39.9	32.7	49.1





#57

1,3-Dichloropropane

Concen: 12.620 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

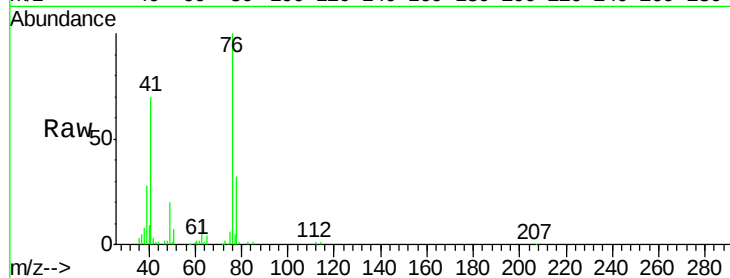
ClientSampleId :

Tot Ion: 76 Resp: 33327

Ion Ratio Lower Upper

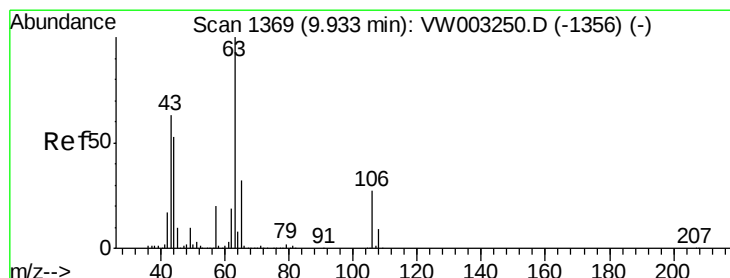
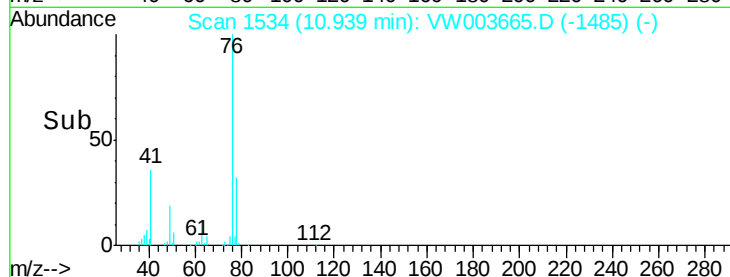
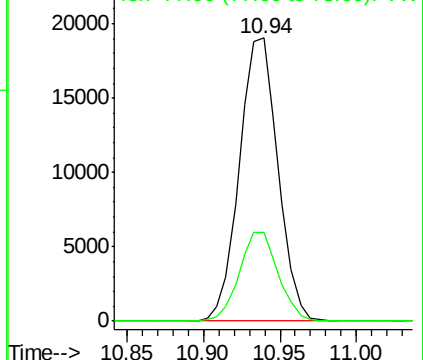
76 100

78 31.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 57.416 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW003665.D

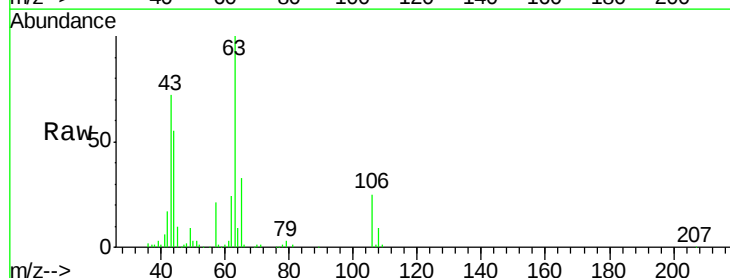
Acq: 29 Jun 2018 17:15

Tgt Ion: 63 Resp: 47858

Ion Ratio Lower Upper

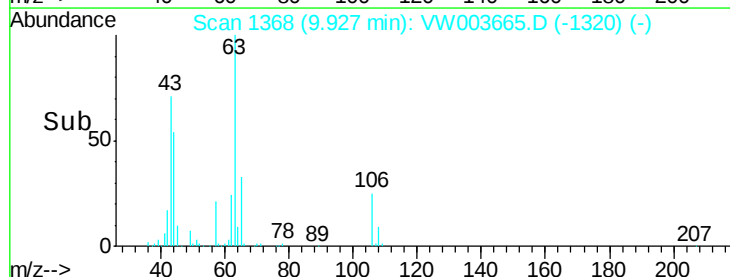
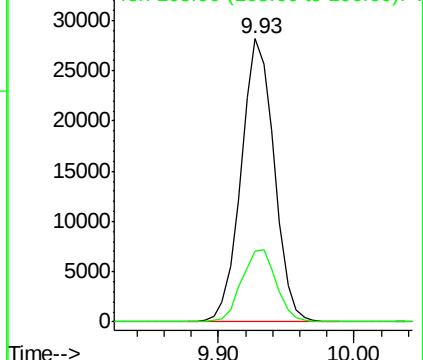
63 100

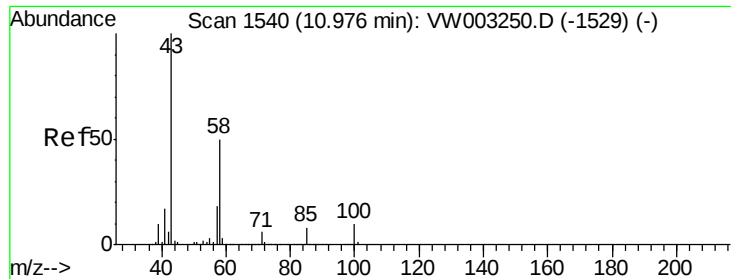
106 26.5 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

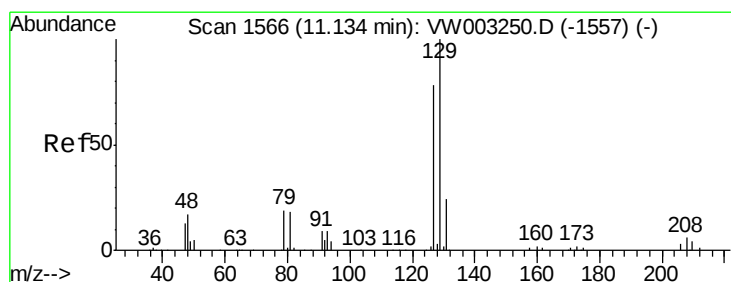
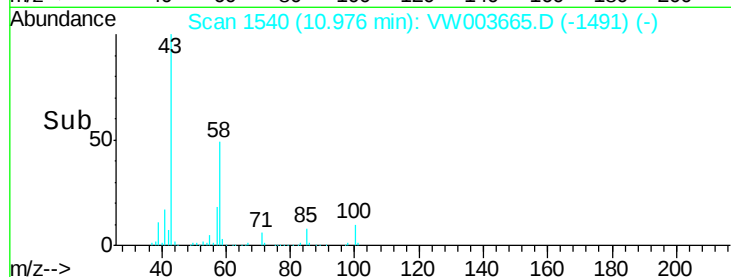
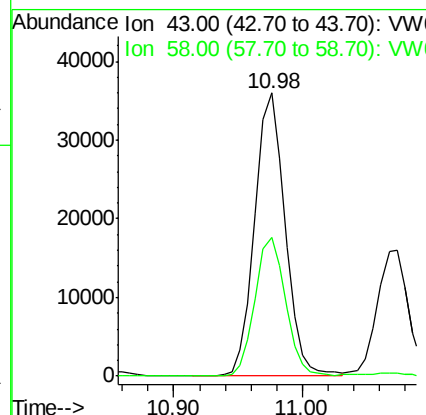
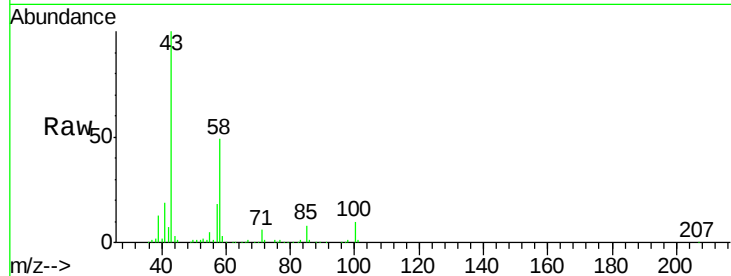




#59
2-Hexanone
Concen: 66.366 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

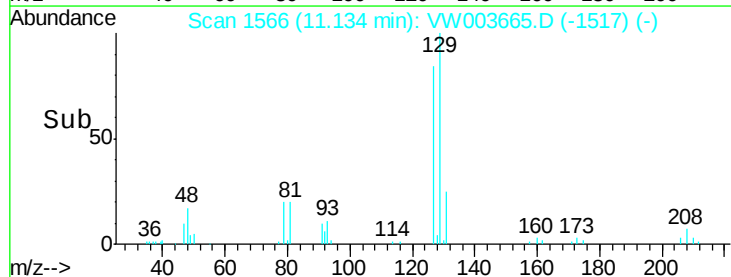
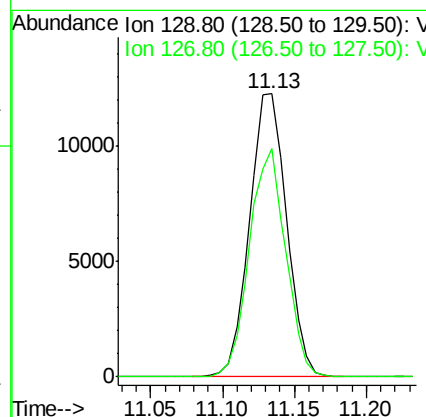
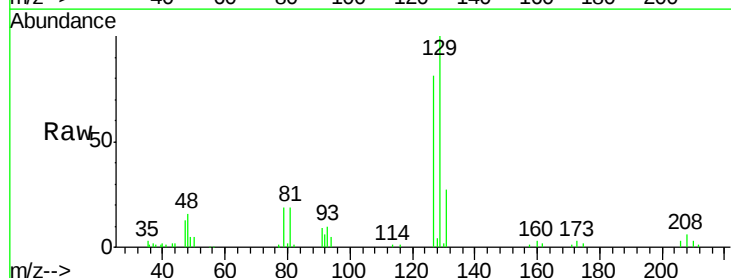
Instrument :
MSVOA_W
ClientSampled :

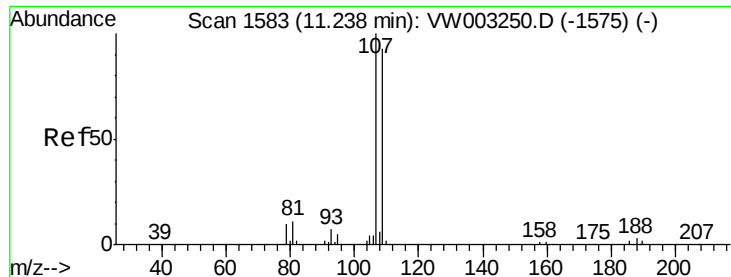
Tot Ion: 43 Resp: 58768
Ion Ratio Lower Upper
43 100
58 49.1 25.0 75.0



#60
Dibromochloromethane
Concen: 11.981 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 129 Resp: 21816
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.5

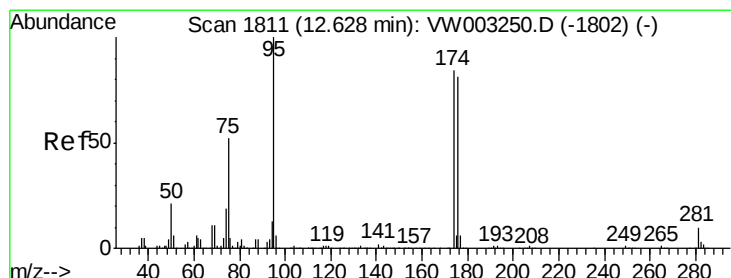
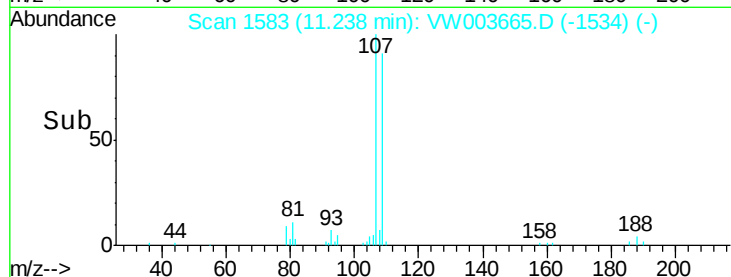
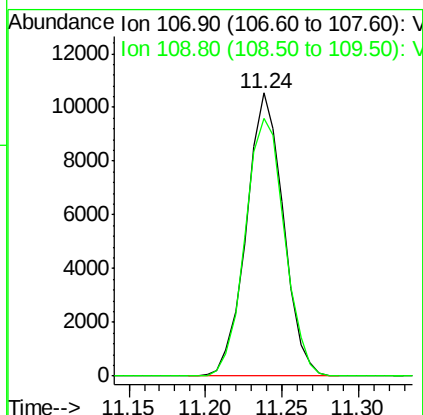
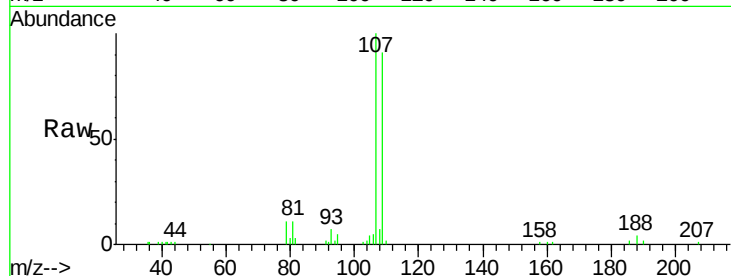




#61
 1,2-Dibromoethane
 Concen: 12.212 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

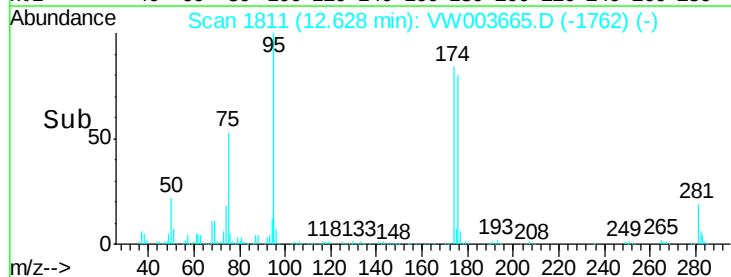
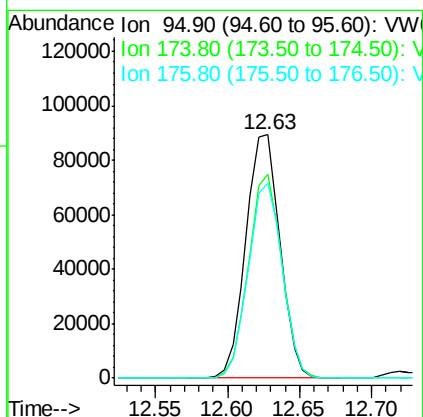
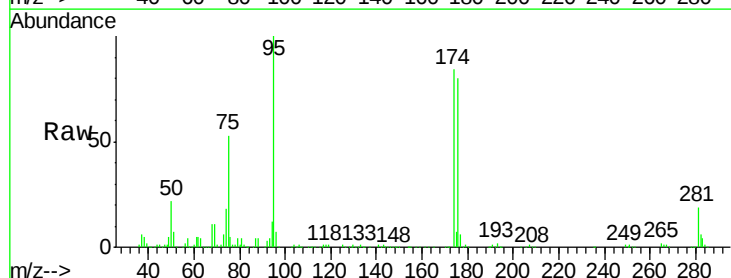
Instrument :
 MSVOA_W
 ClientSampleId :

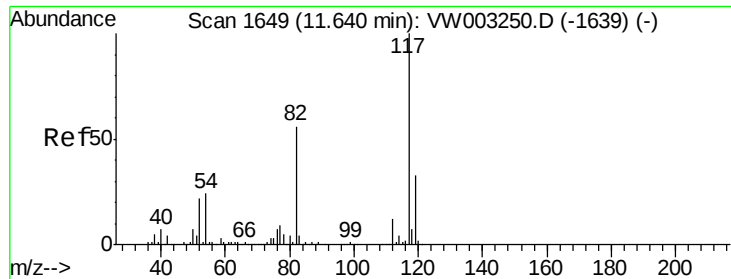
Tot Ion: 107 Resp: 17687
 Ion Ratio Lower Upper
 107 100
 109 97.0 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 53.617 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

Tgt Ion: 95 Resp: 146394
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 166.4
 176 79.3 0.0 162.0

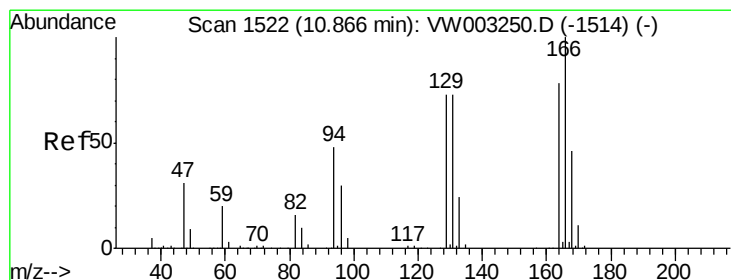
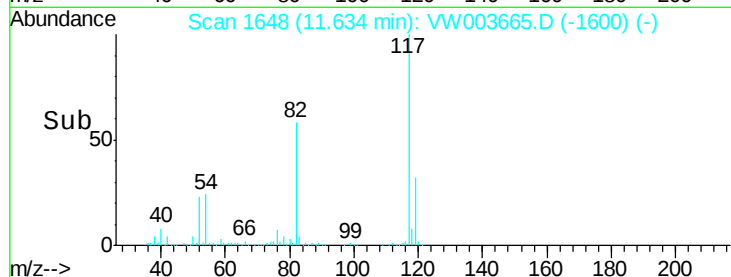
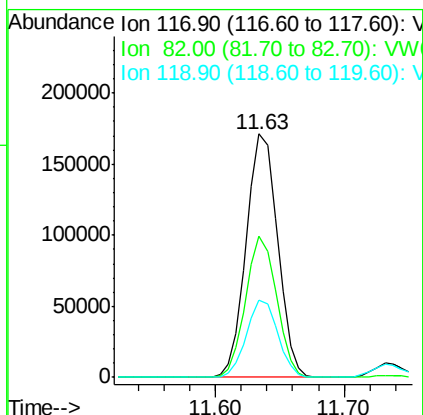
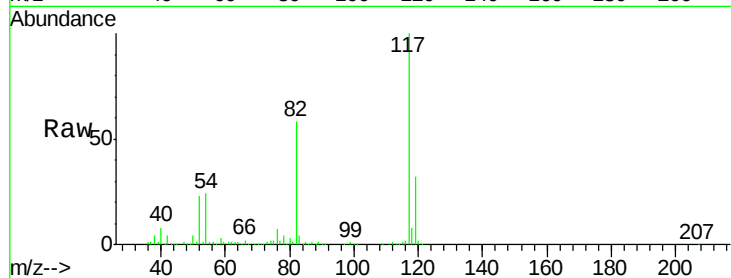




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

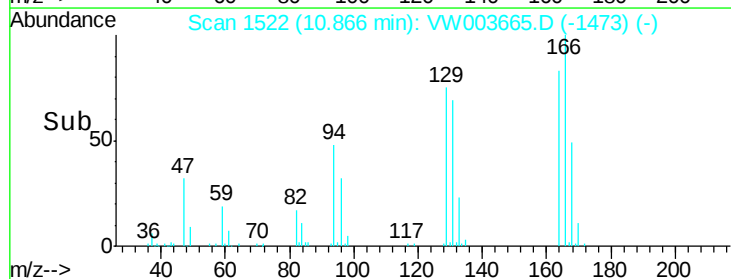
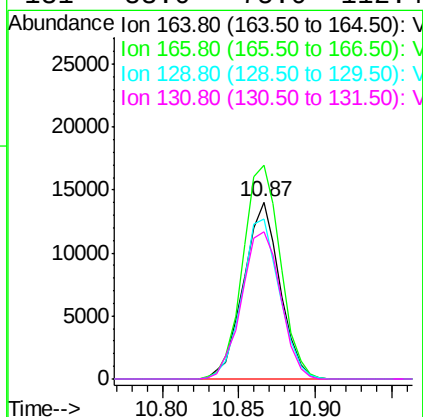
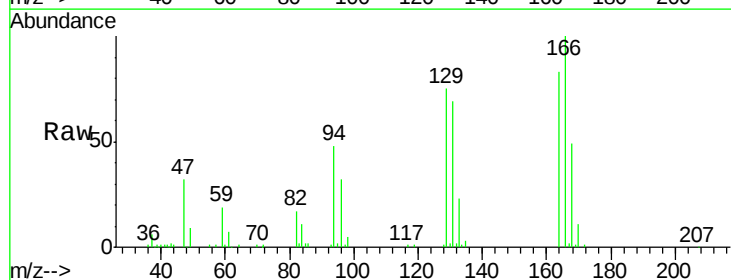
Instrument :
MSVOA_W
ClientSampleId :

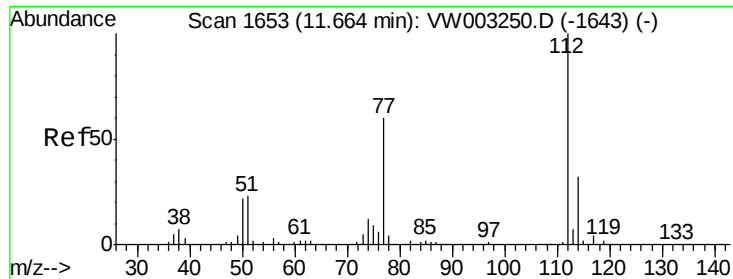
Tot Ion:117 Resp: 288947
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 31.8 26.7 40.1



#64
Tetrachloroethene
Concen: 11.935 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion:164 Resp: 23066
Ion Ratio Lower Upper
164 100
166 120.7 102.6 154.0
129 90.2 75.2 112.8
131 83.0 75.0 112.4

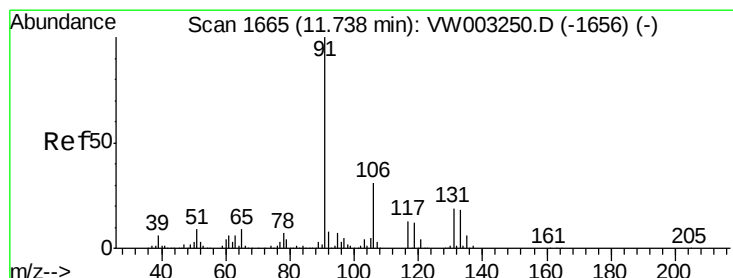
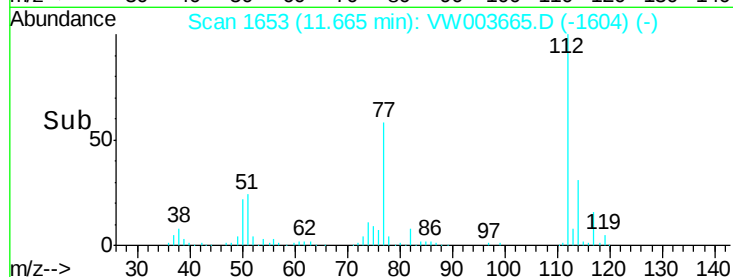
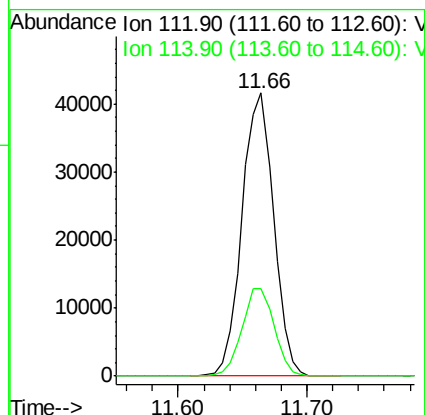
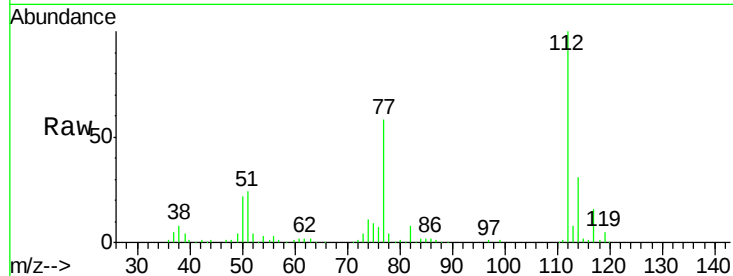




#65
Chlorobenzene
Concen: 11.724 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

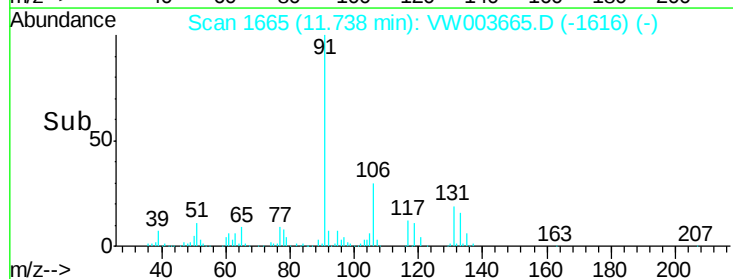
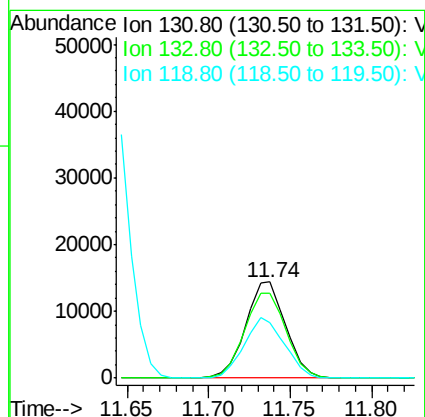
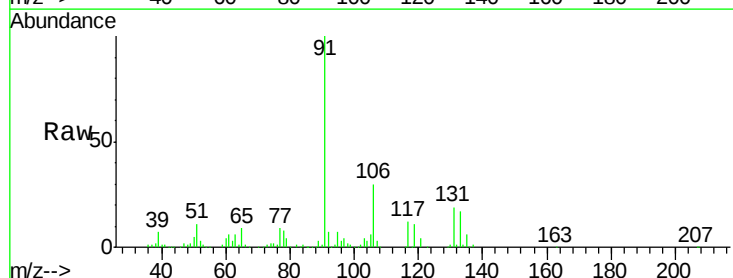
Instrument :
MSVOA_W
ClientSampled :

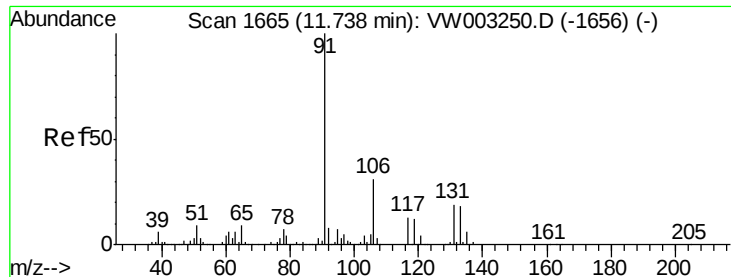
Tot Ion:112 Resp: 70545
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 11.648 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion:131 Resp: 24630
Ion Ratio Lower Upper
131 100
133 91.9 47.3 142.0
119 63.3 32.5 97.4

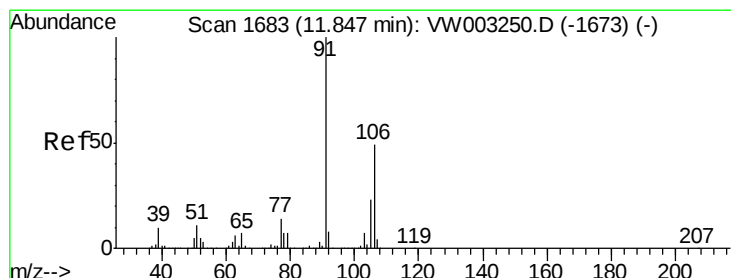
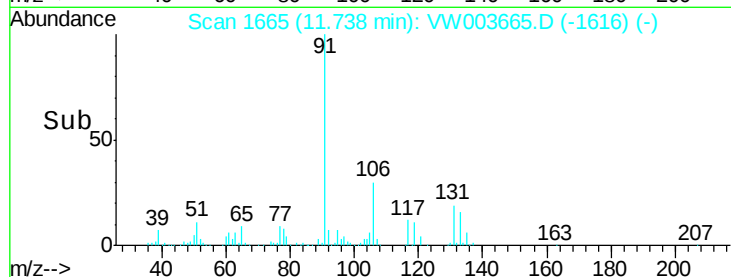
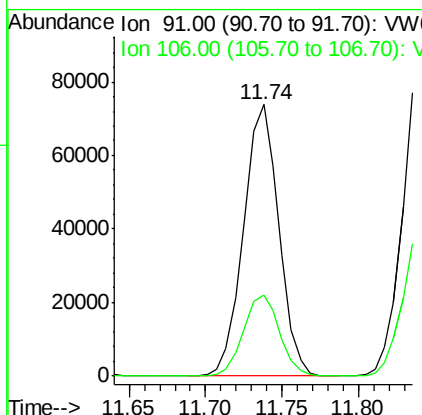
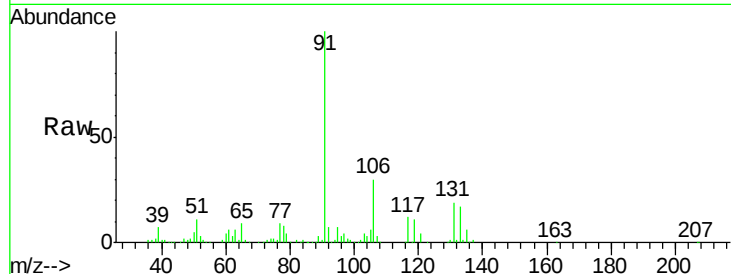




#67
Ethyl Benzene
Concen: 11.096 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

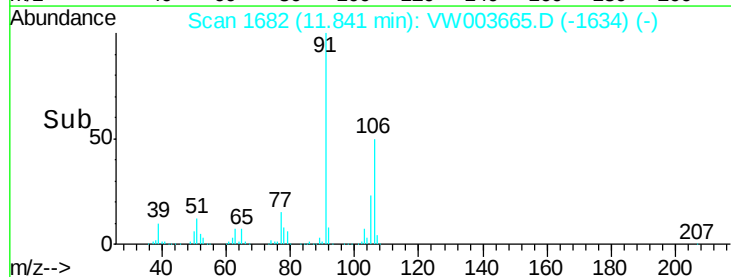
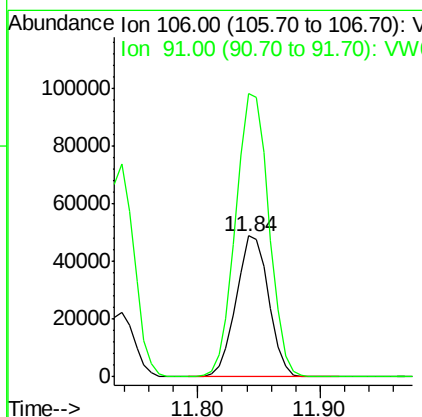
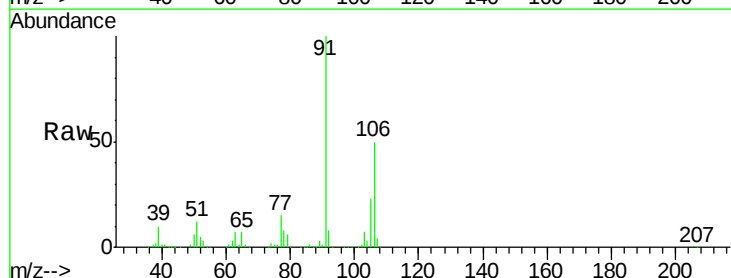
Instrument :
MSVOA_W
ClientSampled :

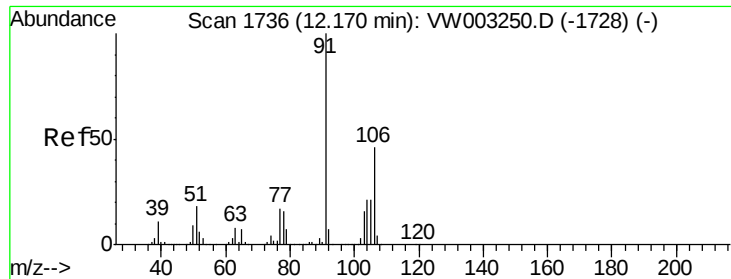
Tot Ion: 91 Resp: 118355
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1



#68
m/p-Xylenes
Concen: 22.227 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion: 106 Resp: 90119
Ion Ratio Lower Upper
106 100
91 205.8 165.4 248.0

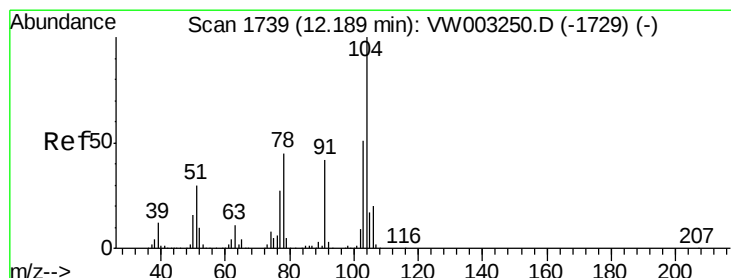
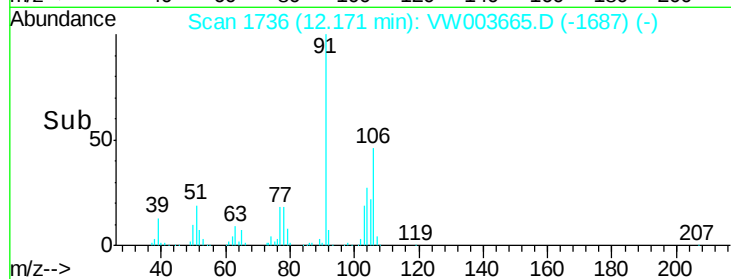
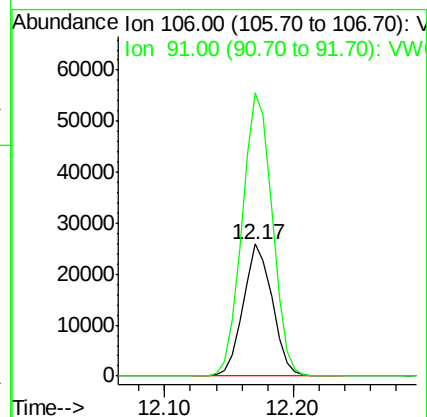
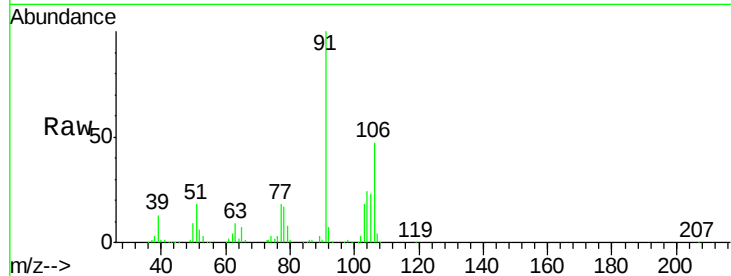




#69
o-Xylene
Concen: 10.791 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

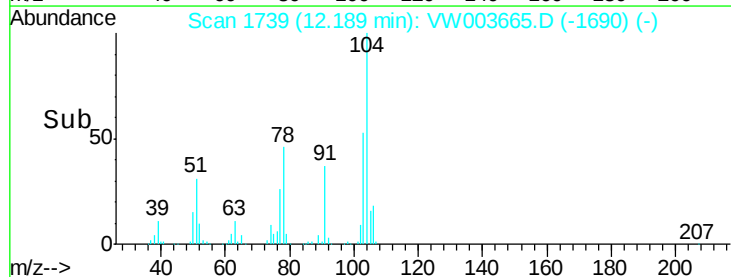
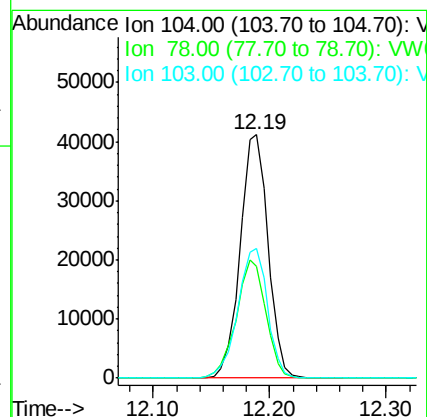
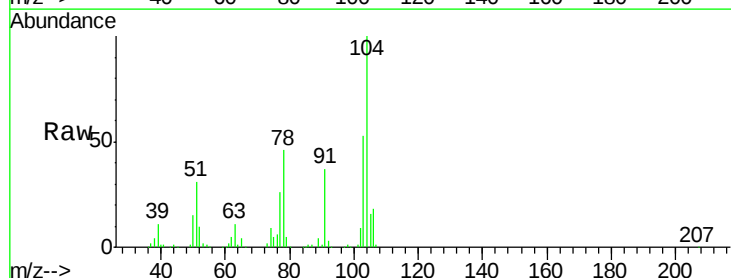
Instrument :
MSVOA_W
ClientSampled :

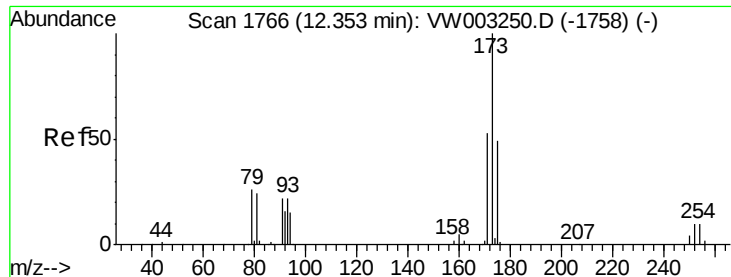
Tot Ion:106 Resp: 40549
Ion Ratio Lower Upper
106 100
91 221.5 108.6 325.6



#70
Styrene
Concen: 11.033 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion:104 Resp: 69004
Ion Ratio Lower Upper
104 100
78 51.3 41.3 61.9
103 56.6 45.0 67.4





#71

Bromoform

Concen: 11.947 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampled :

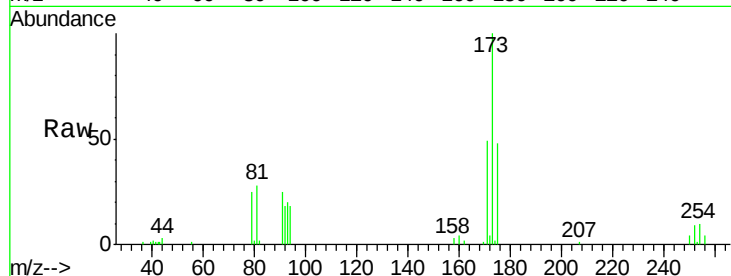
Tot Ion:173 Resp: 13093

Ion Ratio Lower Upper

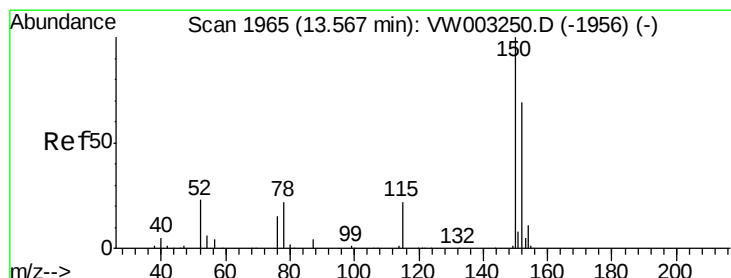
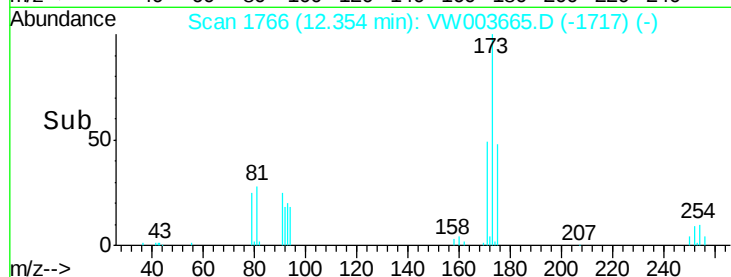
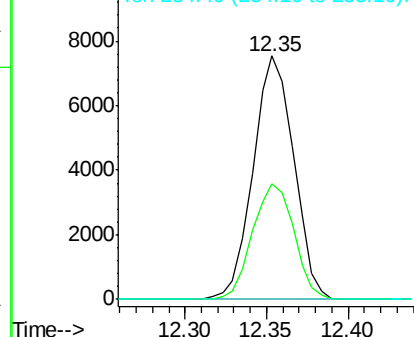
173 100

175 48.2 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: VW003665.D

Acq: 29 Jun 2018 17:15

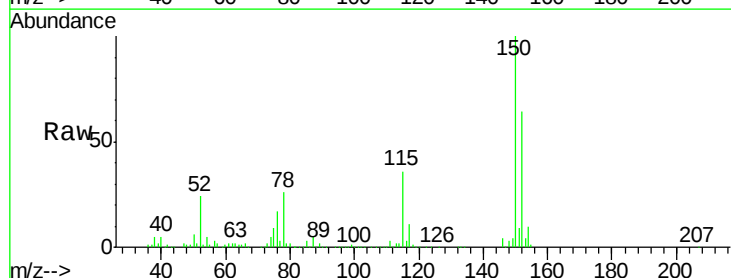
Tgt Ion:152 Resp: 156359

Ion Ratio Lower Upper

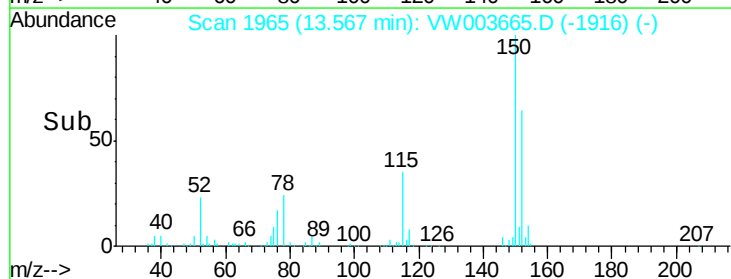
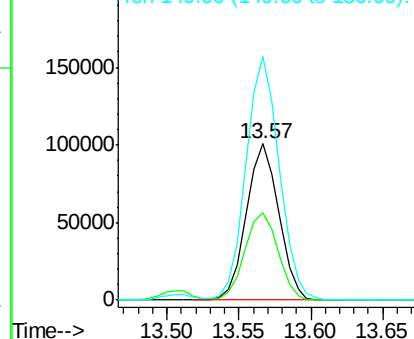
152 100

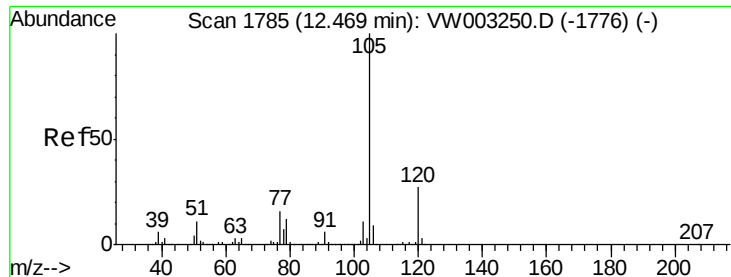
115 57.7 29.3 88.0

150 160.1 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: 10.577 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

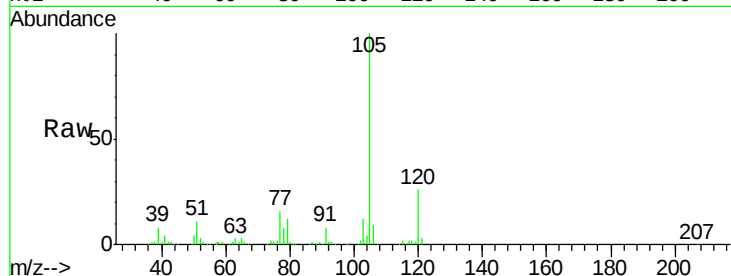
ClientSampleId :

Tot Ion:105 Resp: 115026

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

80000

60000

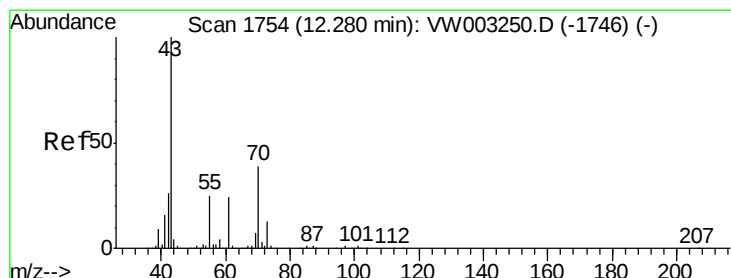
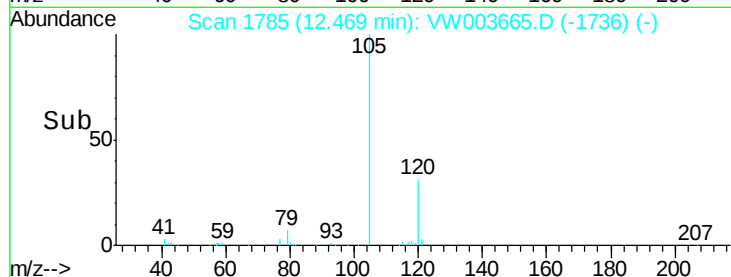
40000

20000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 11.734 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Tgt Ion: 43 Resp: 29047

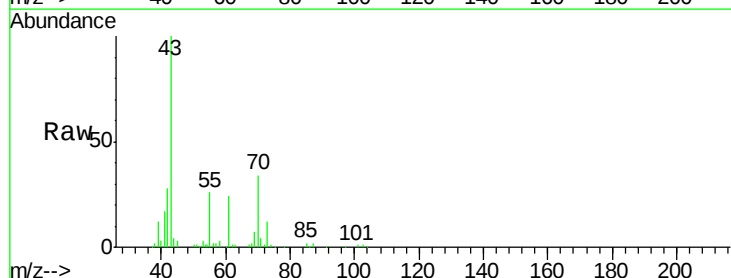
Ion Ratio Lower Upper

43 100

70 37.6 31.0 46.6

55 27.3 19.7 29.5

61 22.0 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

30000

25000

20000

15000

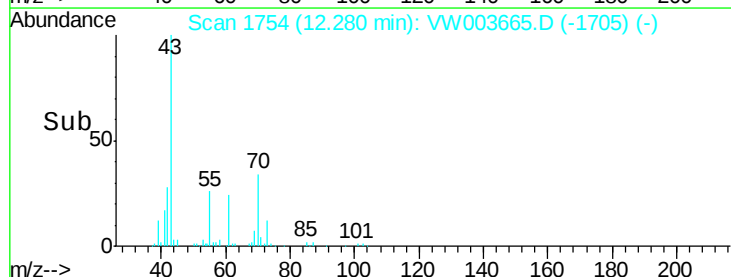
10000

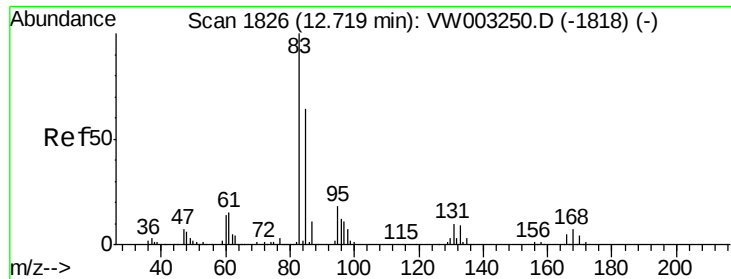
5000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 13.148 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

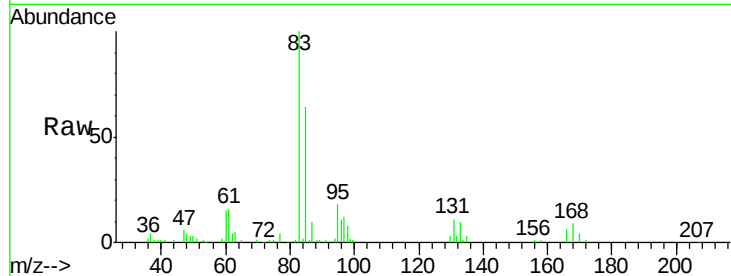
Tot Ion: 83 Resp: 24190

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

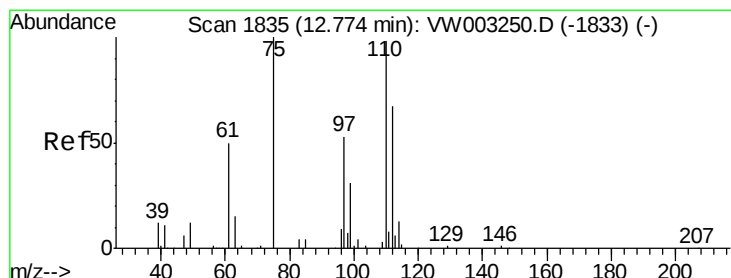
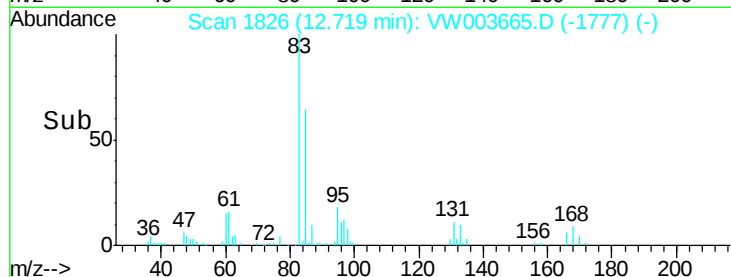
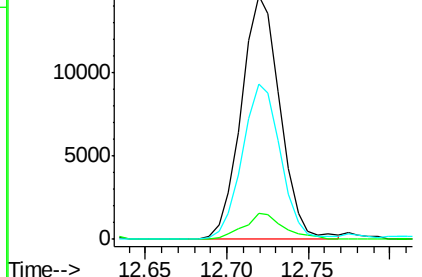
85 62.8 31.9 95.7



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: 23.003 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003665.D

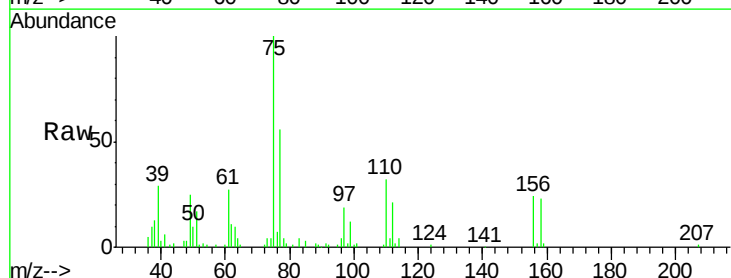
Acq: 29 Jun 2018 17:15

Tgt Ion: 75 Resp: 30748

Ion Ratio Lower Upper

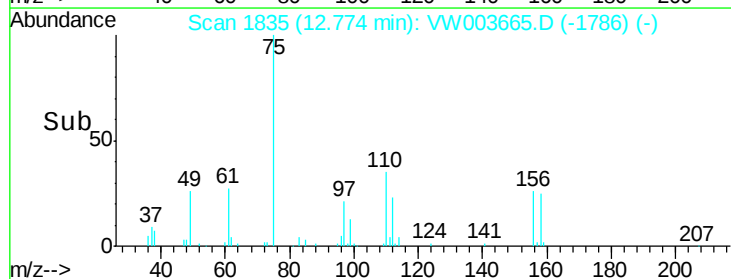
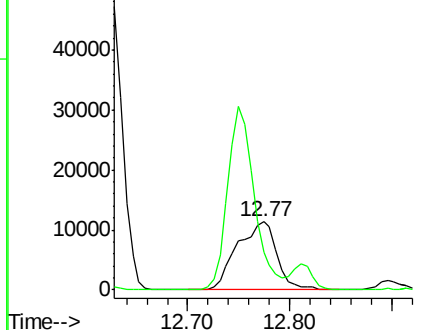
75 100

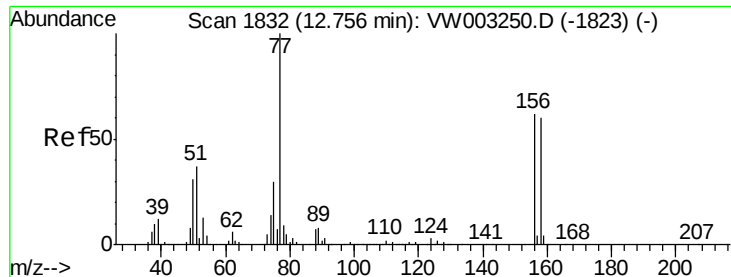
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 11.161 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

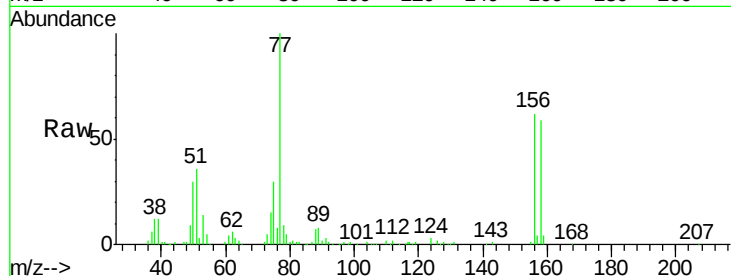
Tot Ion:156 Resp: 28268

Ion Ratio Lower Upper

156 100

77 195.7 92.3 276.9

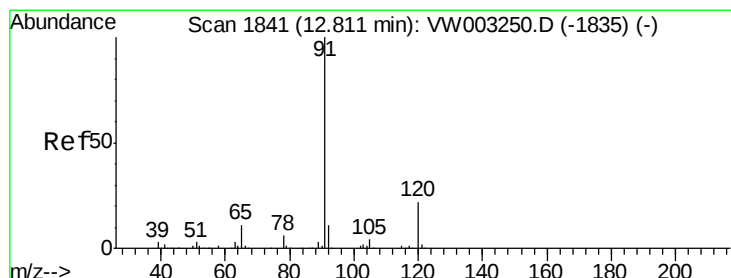
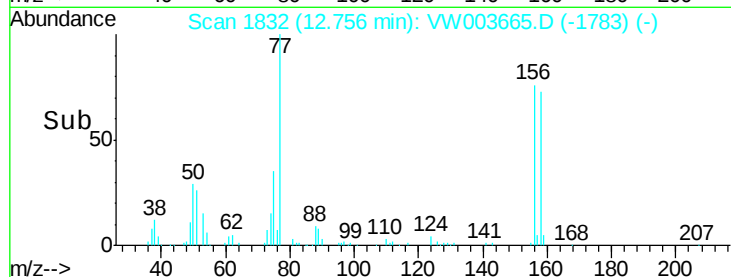
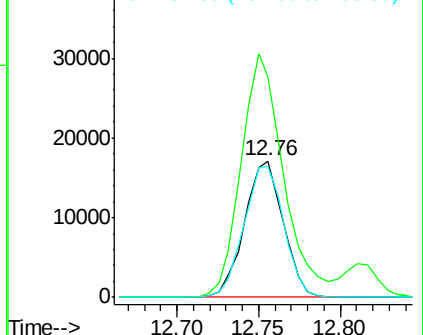
158 99.1 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 11.165 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003665.D

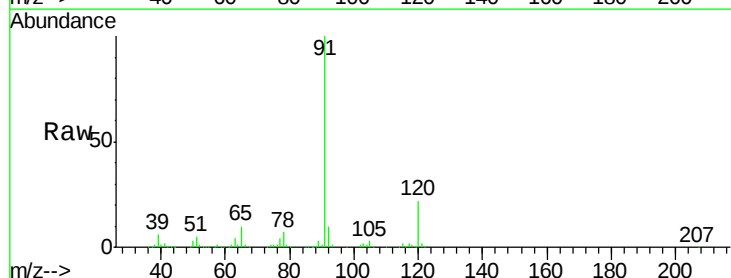
Acq: 29 Jun 2018 17:15

Tgt Ion: 91 Resp: 148678

Ion Ratio Lower Upper

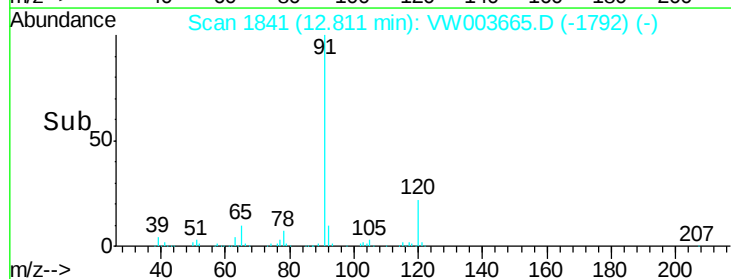
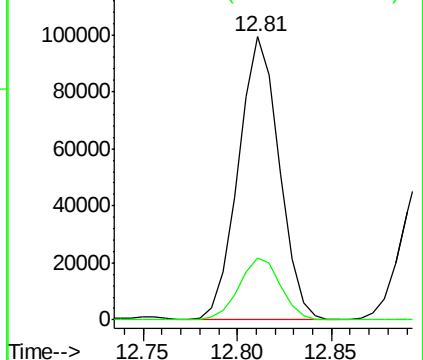
91 100

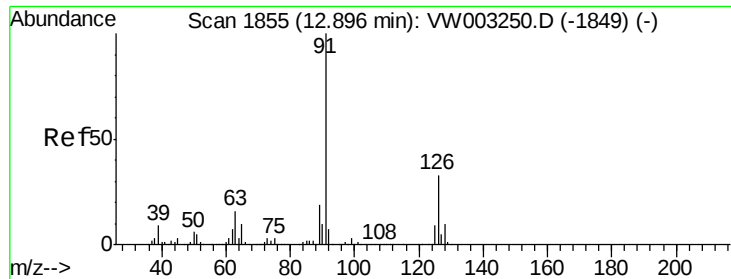
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.060 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

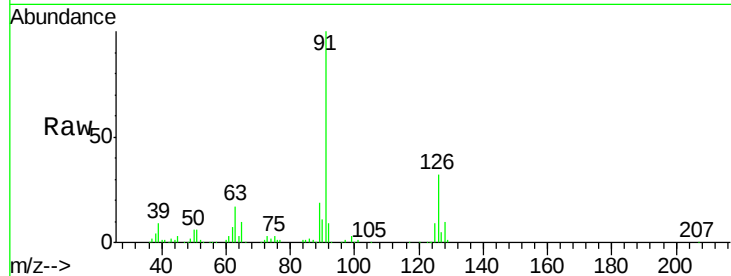
ClientSampled :

Tot Ion: 91 Resp: 83234

Ion Ratio Lower Upper

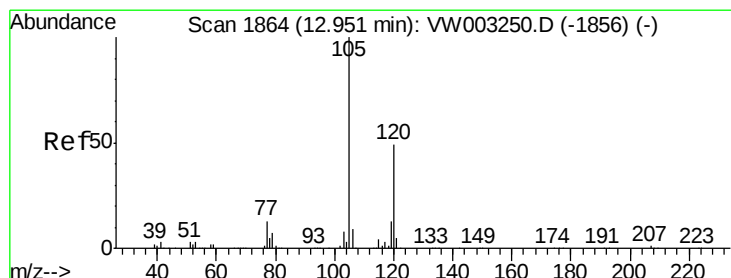
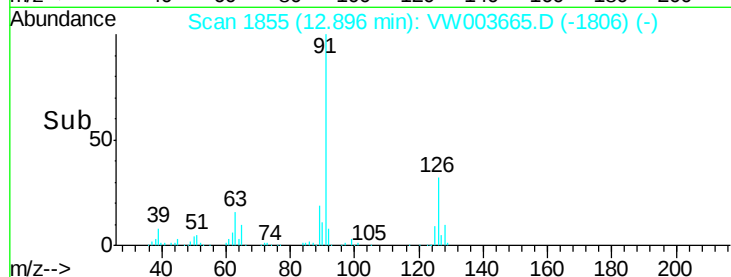
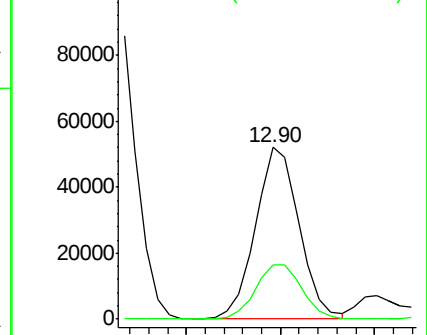
91 100

126 33.7 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: 10.950 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003665.D

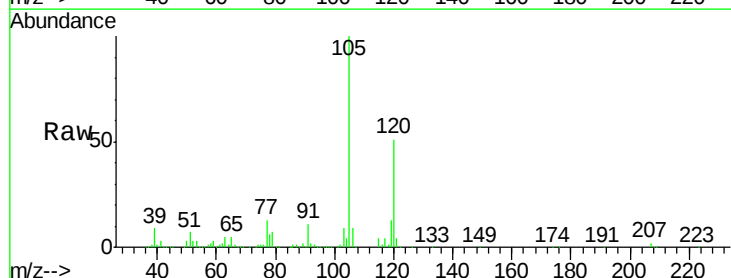
Acq: 29 Jun 2018 17:15

Tgt Ion:105 Resp: 99956

Ion Ratio Lower Upper

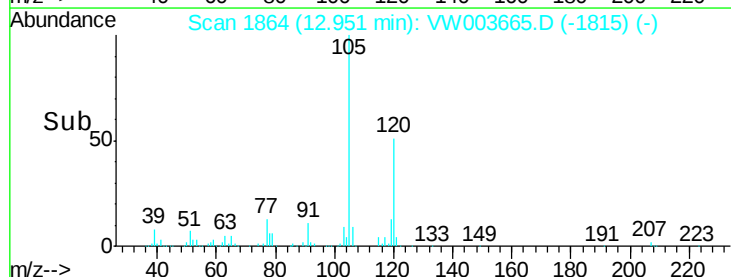
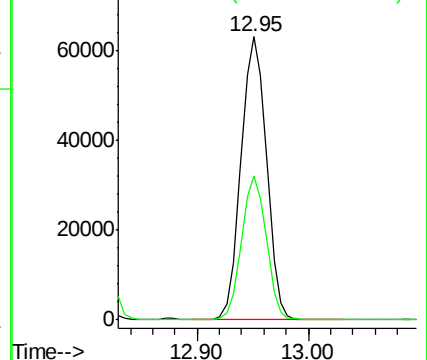
105 100

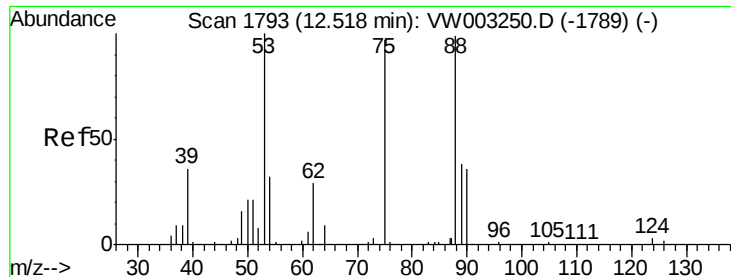
120 49.0 24.3 72.9



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: 11.332 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

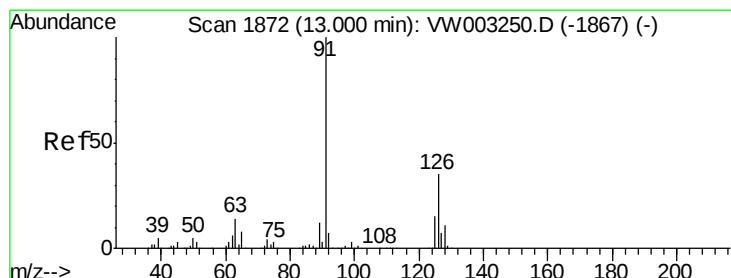
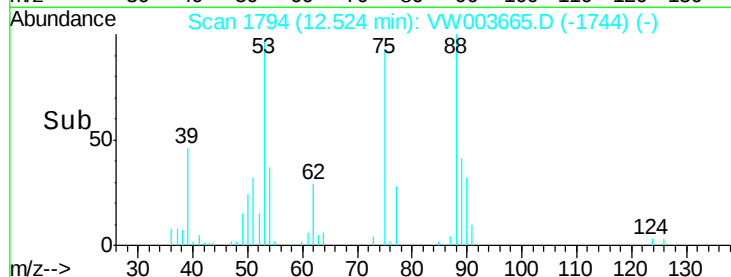
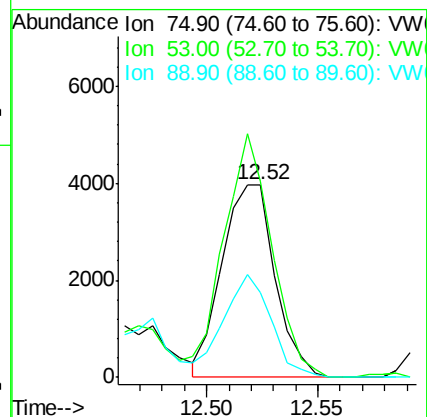
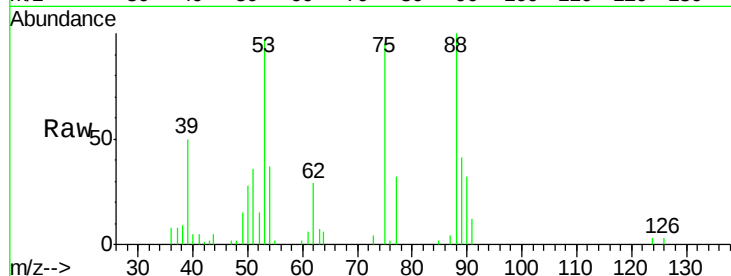
Tot Ion: 75 Resp: 6583

Ion Ratio Lower Upper

75 100

53 116.0 82.9 124.3

89 47.5 36.7 55.1



#82

4-Chlorotoluene

Concen: 11.448 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003665.D

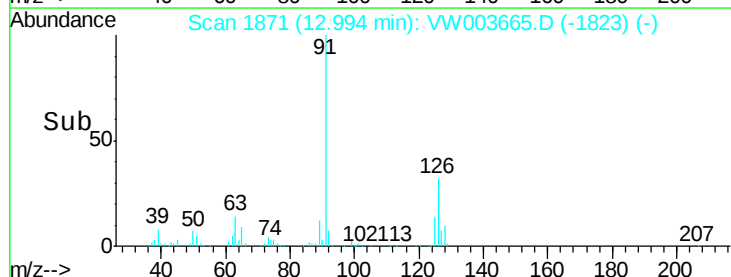
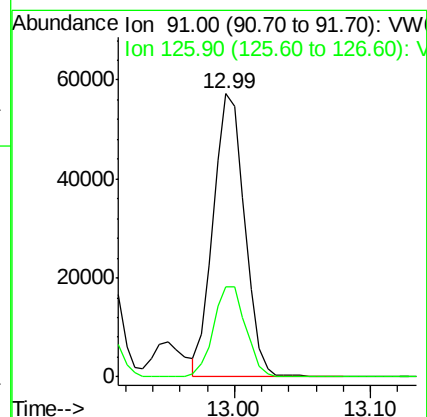
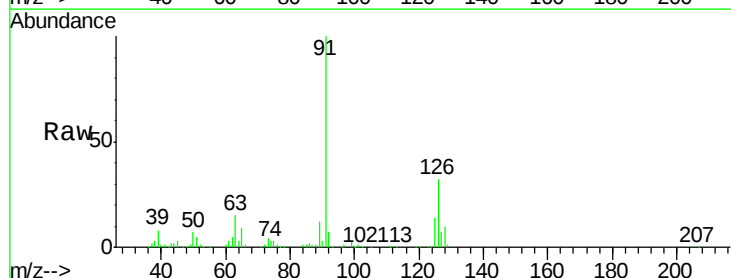
Acq: 29 Jun 2018 17:15

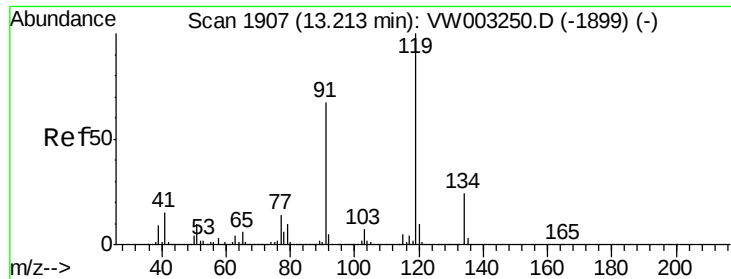
Tgt Ion: 91 Resp: 91392

Ion Ratio Lower Upper

91 100

126 33.0 16.8 50.3

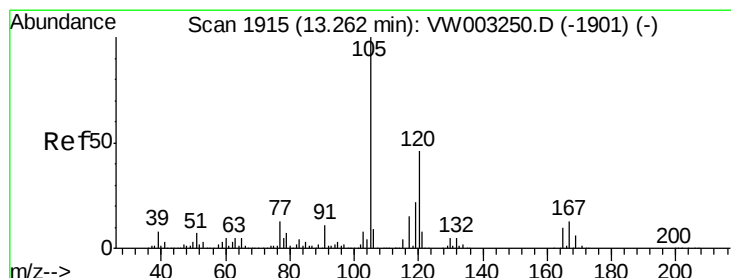
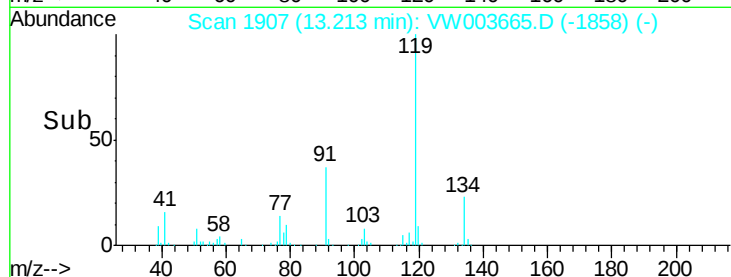
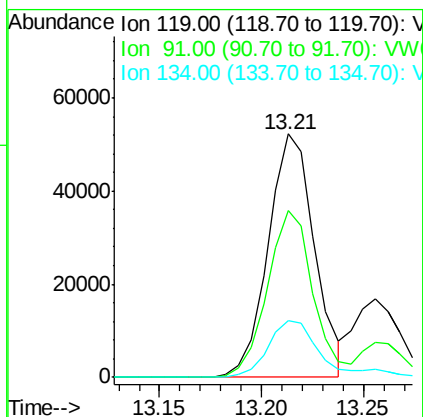
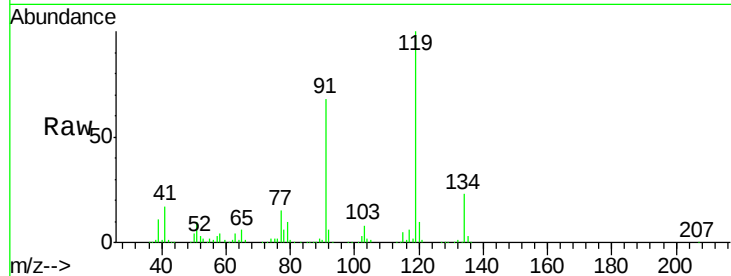




#83
tert-Butylbenzene
Concen: 10.617 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

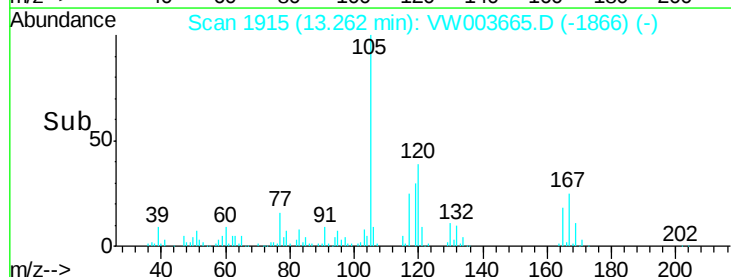
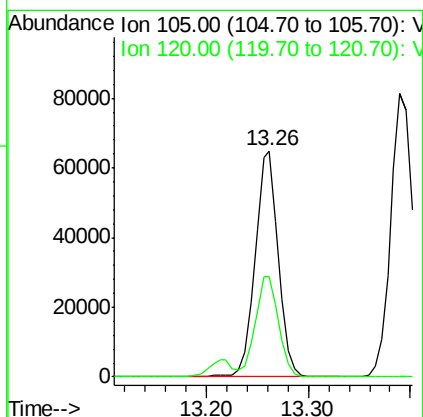
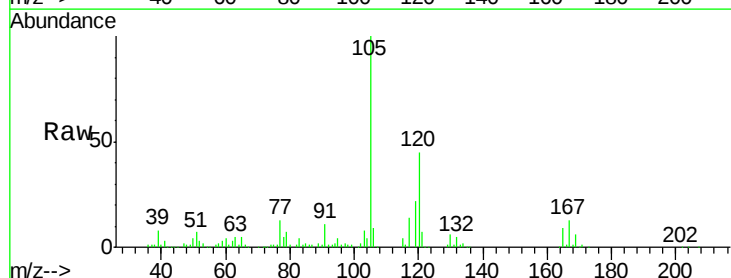
Instrument :
MSVOA_W
ClientSampleId :

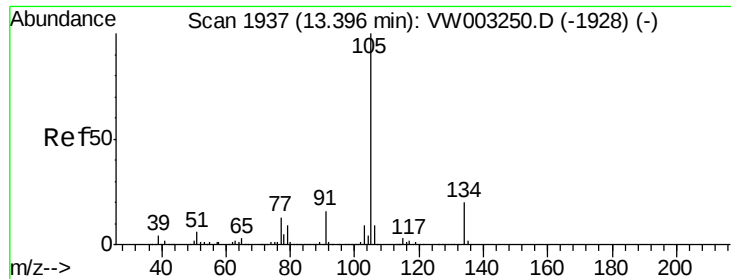
Tot Ion:119 Resp: 82593
Ion Ratio Lower Upper
119 100
91 67.8 33.9 101.7
134 26.8 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 10.931 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003665.D
Acq: 29 Jun 2018 17:15

Tgt Ion:105 Resp: 102643
Ion Ratio Lower Upper
105 100
120 44.9 22.5 67.5





#85

sec-Butylbenzene

Concen: 10.725 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

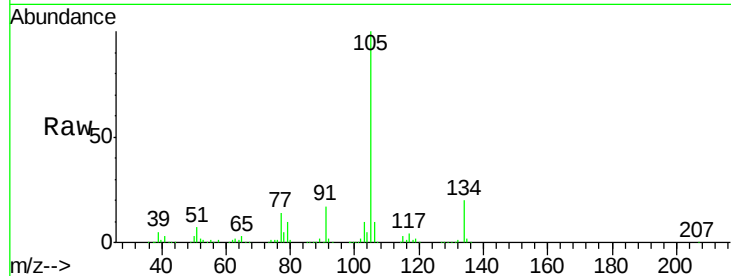
ClientSampled :

Tot Ion:105 Resp: 124013

Ion Ratio Lower Upper

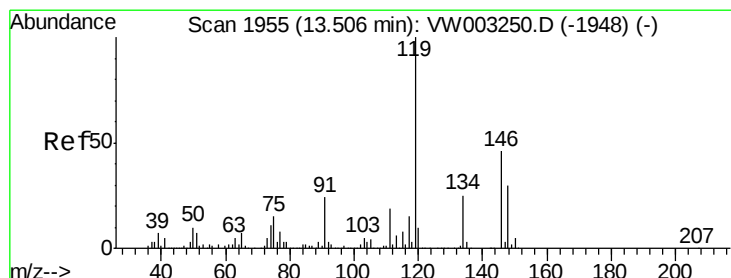
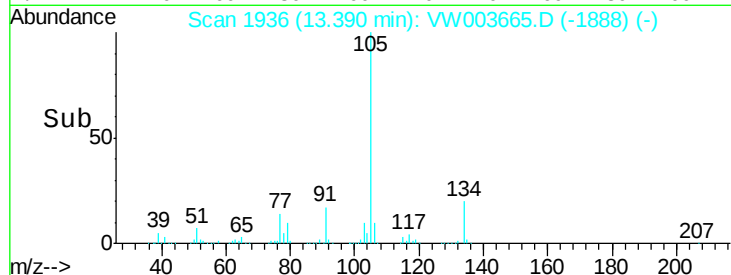
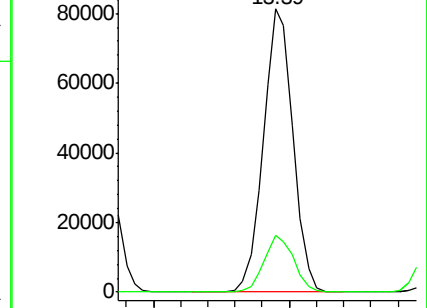
105 100

134 20.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.637 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

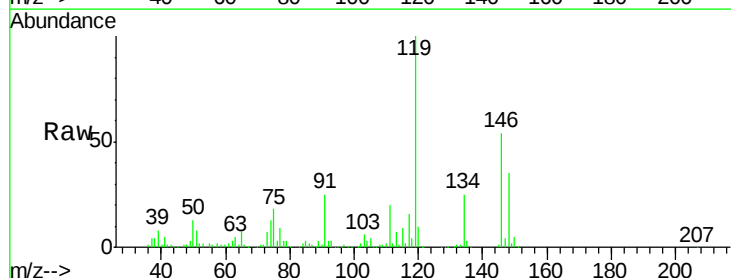
Tgt Ion:119 Resp: 108487

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

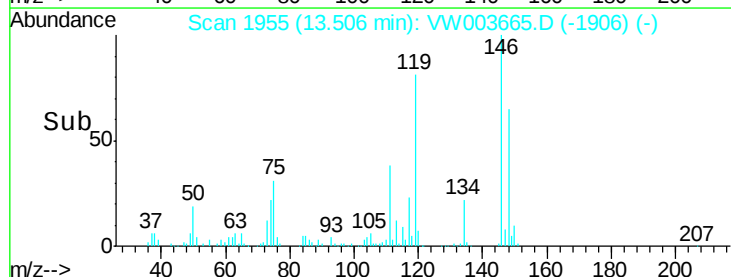
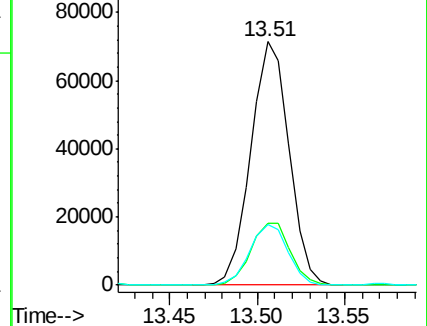
91 24.9 11.8 35.3

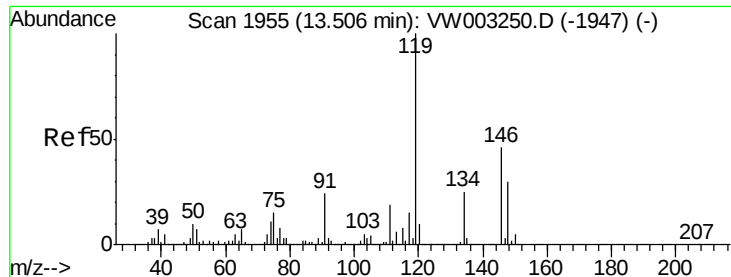


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 11.485 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampled :

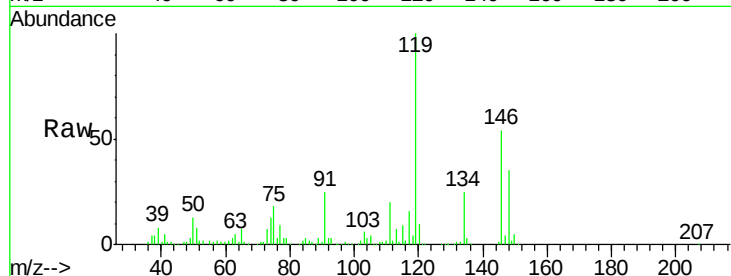
Tot Ion:146 Resp: 59755

Ion Ratio Lower Upper

146 100

111 39.9 19.8 59.4

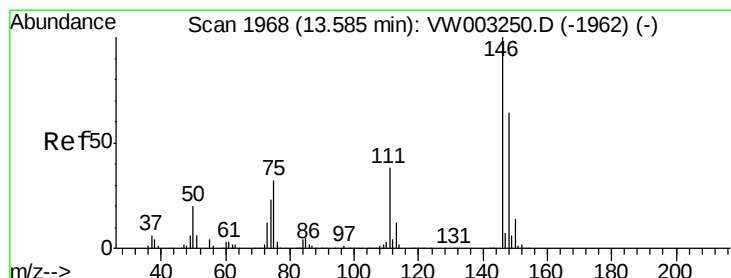
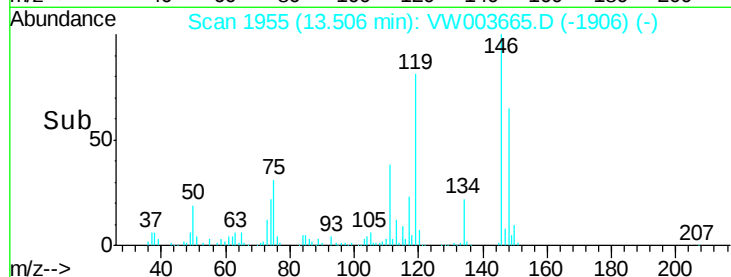
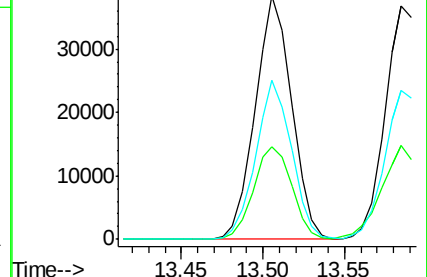
148 64.4 32.1 96.5



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: 11.469 ug/l

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

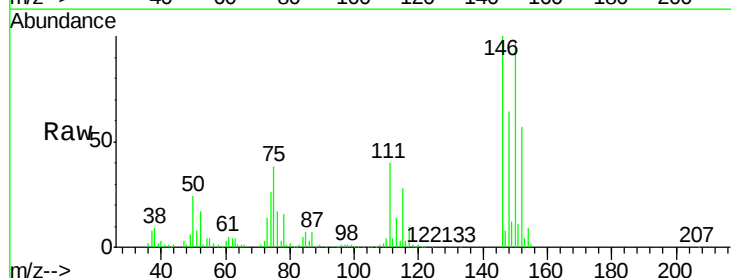
Tgt Ion:146 Resp: 59323

Ion Ratio Lower Upper

146 100

111 41.7 19.2 57.6

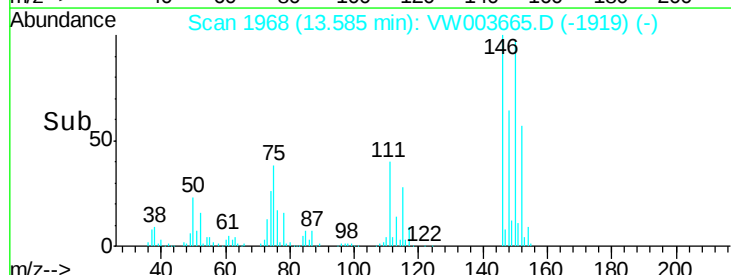
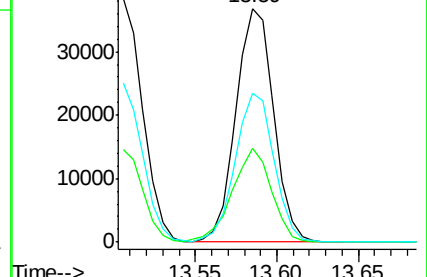
148 65.3 31.8 95.4



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: 10.852 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

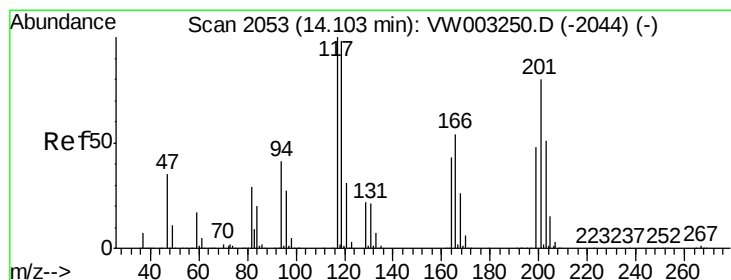
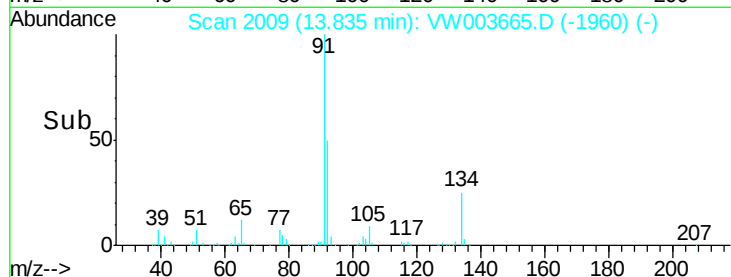
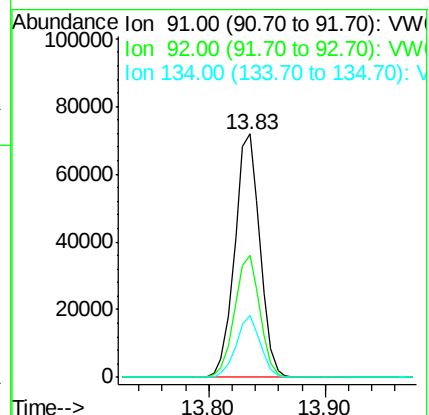
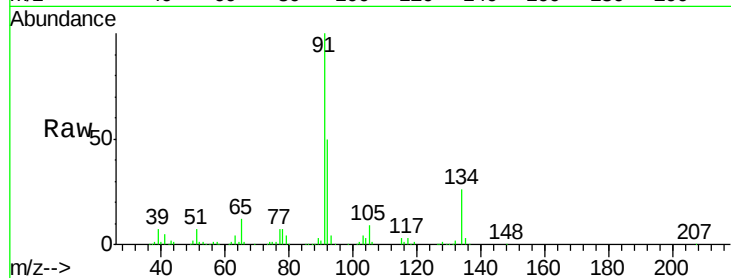
Tot Ion: 91 Resp: 107889

Ion Ratio Lower Upper

91 100

92 50.1 26.0 78.0

134 24.6 12.7 38.0



#90

Hexachloroethane

Concen: 10.933 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003665.D

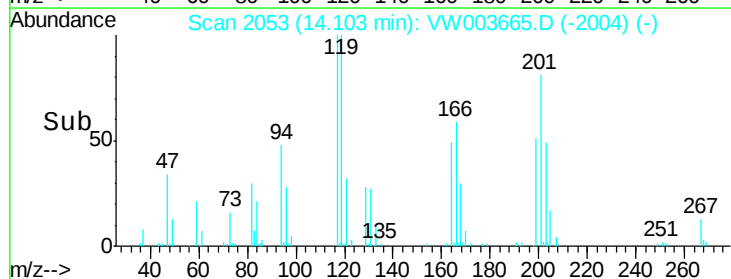
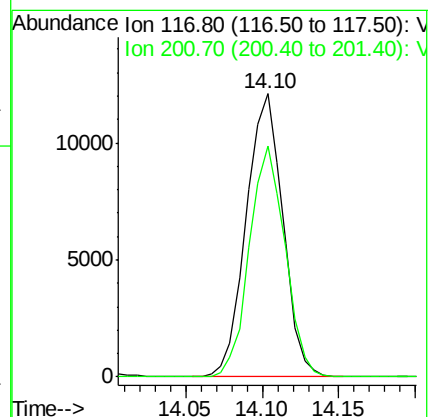
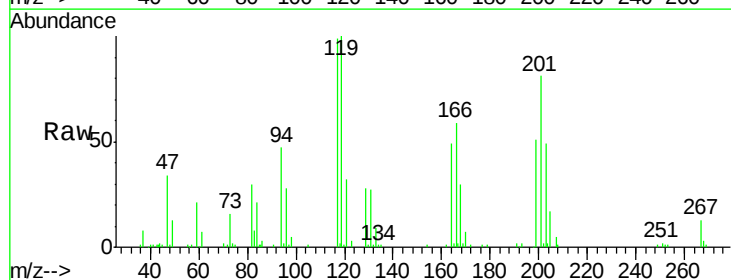
Acq: 29 Jun 2018 17:15

Tgt Ion: 117 Resp: 20171

Ion Ratio Lower Upper

117 100

201 79.5 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 11.879 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

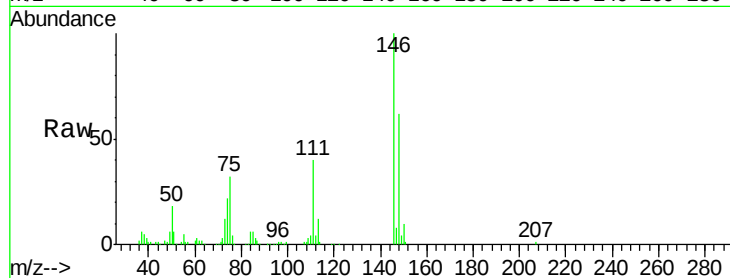
Tot Ion:146 Resp: 54143

Ion Ratio Lower Upper

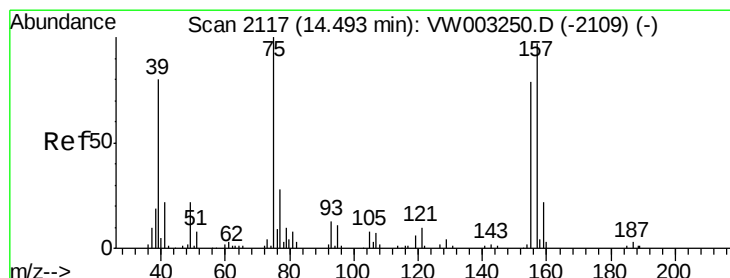
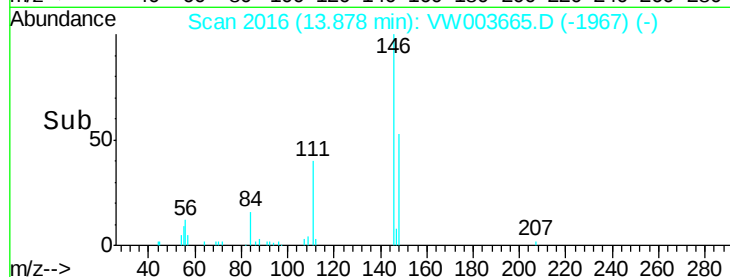
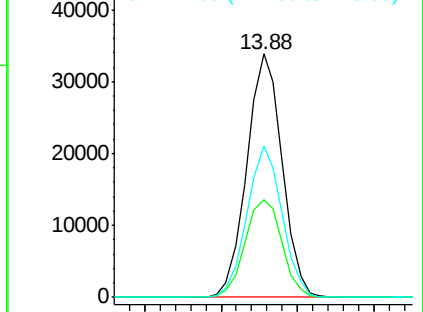
146 100

111 42.0 20.3 61.0

148 62.2 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.032 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

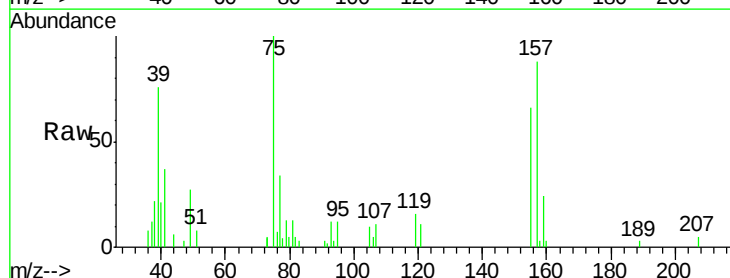
Tgt Ion: 75 Resp: 4035

Ion Ratio Lower Upper

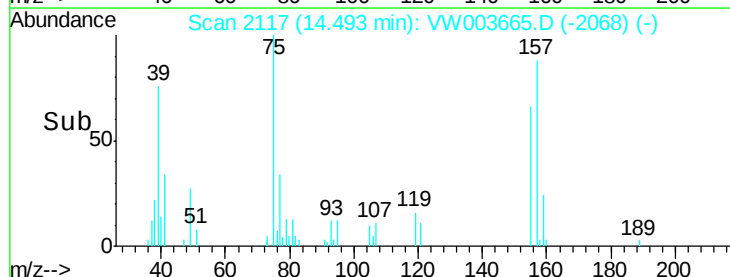
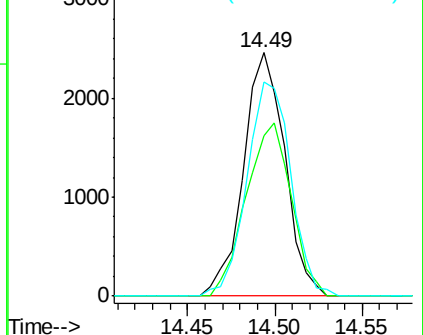
75 100

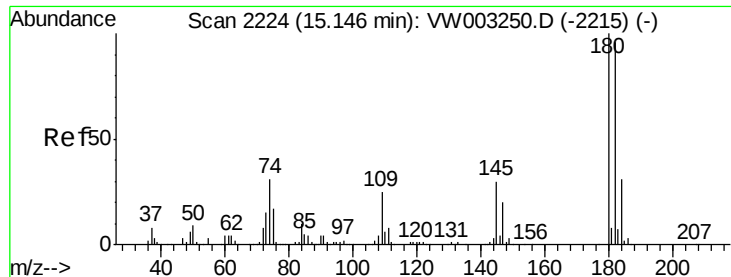
155 78.1 39.4 118.2

157 93.5 51.5 154.5



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

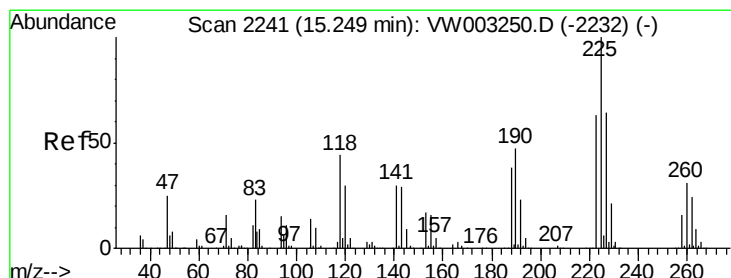
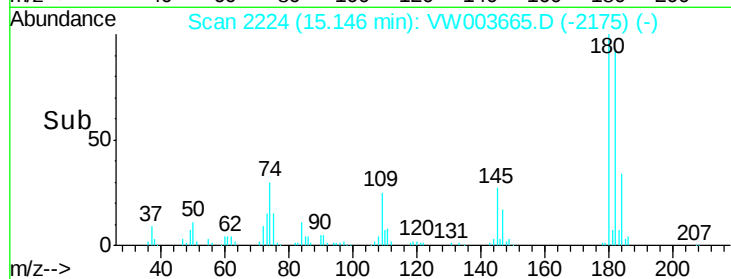
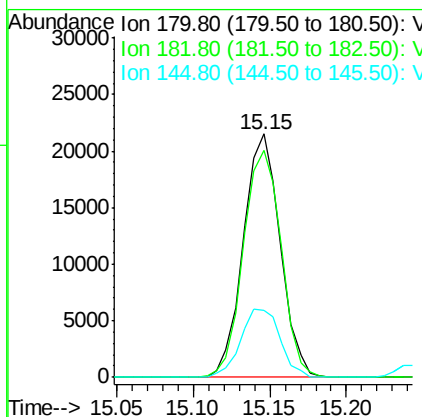
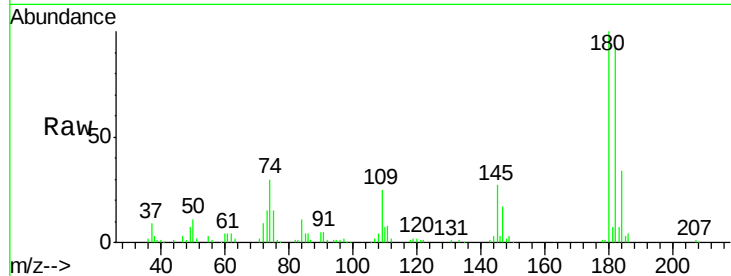




#93
 1,2,4-Trichlorobenzene
 Concen: 11.276 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

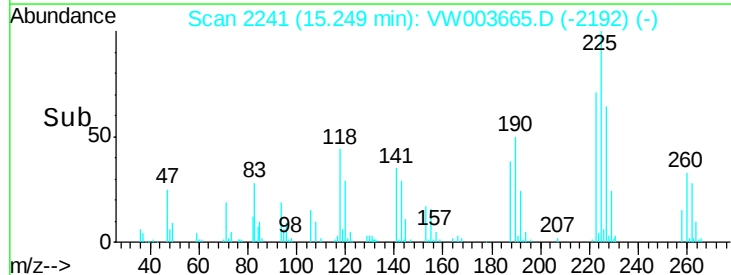
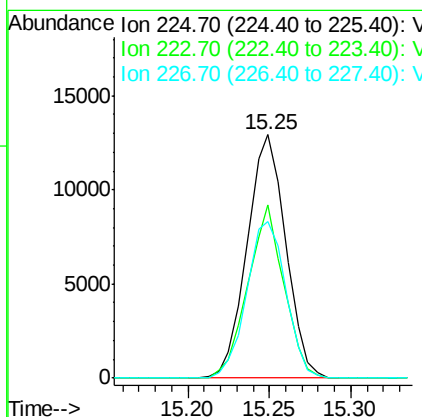
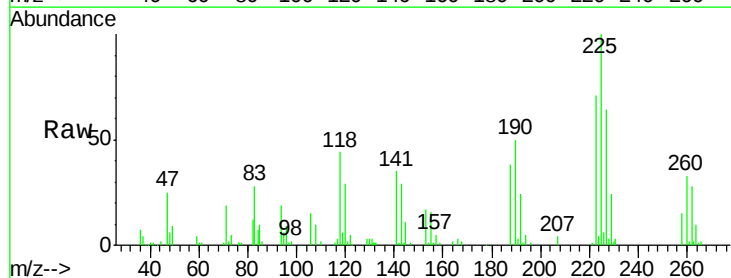
Instrument :
 MSVOA_W
 ClientSampleId :

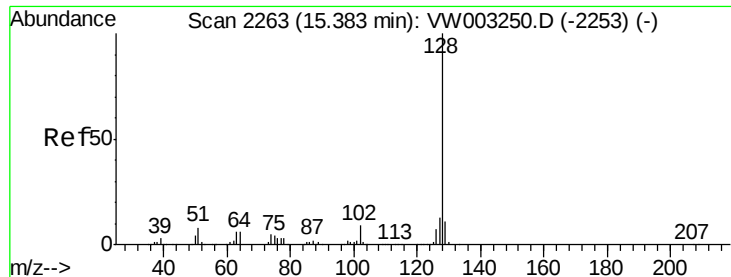
Tot Ion:180 Resp: 36078
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.6
 145 30.1 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 11.115 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003665.D
 Acq: 29 Jun 2018 17:15

Tgt Ion:225 Resp: 21393
 Ion Ratio Lower Upper
 225 100
 223 66.1 30.6 92.0
 227 65.3 31.7 95.1





#95

Naphthalene

Concen: 11.238 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

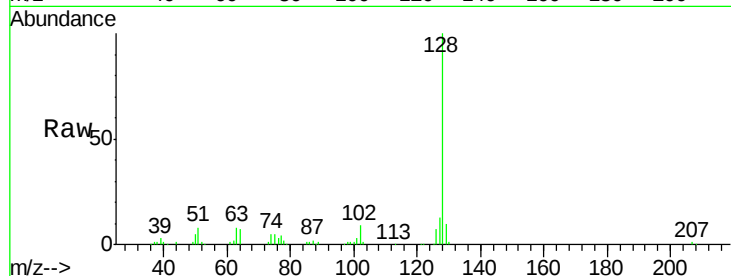
Tot Ion:128 Resp: 60994

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

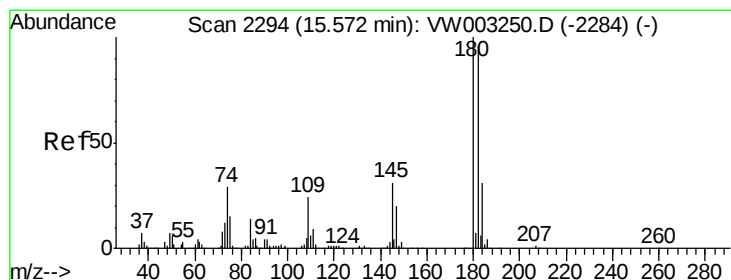
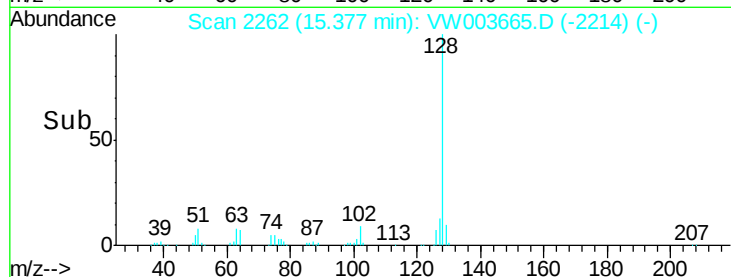
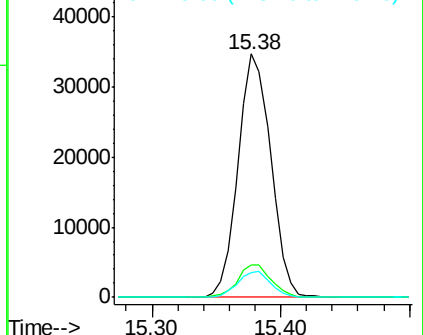
129 10.6 8.9 13.3



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: 11.285 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003665.D

Acq: 29 Jun 2018 17:15

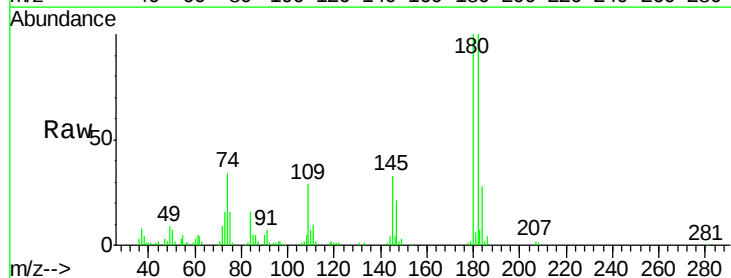
Tgt Ion:180 Resp: 31782

Ion Ratio Lower Upper

180 100

182 97.8 47.9 143.6

145 32.6 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

