

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003662.D
 Acq On : 29 Jun 2018 15:58
 Operator : SY/AP
 Sample : J2923-03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 30 03:40:16 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	186707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	298979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	147179	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	116157	57.44	ug/l	0.00
Spiked Amount			Recovery	=	114.88%	
35) Dibromofluoromethane	7.88	113	102999	55.44	ug/l	0.00
Spiked Amount			Recovery	=	110.88%	
50) Toluene-d8	10.33	98	394603	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	141997	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	4572	8.100	ug/l	94
3) Chloromethane	2.21	50	9396	6.588	ug/l	92
4) Vinyl Chloride	2.36	62	13813	6.644	ug/l	97
5) Bromomethane	2.78	94	8767	6.344	ug/l	92
6) Chloroethane	2.92	64	7786	5.380	ug/l	98
7) Trichlorofluoromethane	3.25	101	7338	5.891	ug/l	99
8) Diethyl Ether	3.67	74	6070	6.634	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.04	101	10601	6.129	ug/l	98
10) Methyl Iodide	4.26	142	15776	6.031	ug/l	100
11) Tert butyl alcohol	5.23	59	1683	15.517	ug/l #	64
12) 1,1-Dichloroethene	4.03	96	11193	6.622	ug/l	86
13) Acrolein	3.89	56	3006	19.385	ug/l #	82
14) Allyl chloride	4.65	41	17610	6.015	ug/l	98
15) Acrylonitrile	5.38	53	12447	33.064	ug/l	98
16) Acetone	4.15	43	15886	37.454	ug/l	100
17) Carbon Disulfide	4.37	76	32770	6.558	ug/l	100
18) Methyl Acetate	4.68	43	10060	9.998	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	18025	5.694	ug/l	93
20) Methylene Chloride	4.91	84	21319	8.808	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	11113	6.042	ug/l	97
22) Diisopropyl ether	6.32	45	32293	5.481	ug/l	94
23) Vinyl Acetate	6.26	43	81747	24.076	ug/l	97
24) 1,1-Dichloroethane	6.21	63	21923	6.267	ug/l #	89
25) 2-Butanone	7.19	43	19590	37.144	ug/l	95
26) 2,2-Dichloropropane	7.17	77	15694	6.723	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	11993	5.935	ug/l	93
28) Bromochloromethane	7.51	49	9271	6.369	ug/l	95
29) Tetrahydrofuran	7.54	42	10011	31.058	ug/l	96
30) Chloroform	7.68	83	22010	6.176	ug/l	98
31) Cyclohexane	7.96	56	22141	6.775	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	18143	6.168	ug/l	98
36) 1,1-Dichloropropene	8.08	75	17153	5.941	ug/l	98
37) Ethyl Acetate	7.26	43	7404	6.190	ug/l #	95
38) Carbon Tetrachloride	8.07	117	16903	5.968	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	18349	5.492	ug/l	91
40) Benzene	8.33	78	48723	6.122	ug/l	99
41) Methacrylonitrile	7.49	41	4785	6.519	ug/l	91
42) 1,2-Dichloroethane	8.40	62	15521	6.224	ug/l	98
43) Isopropyl Acetate	8.43	43	14925	6.284	ug/l	98
44) Trichloroethene	9.09	130	12664	6.005	ug/l	97
45) 1,2-Dichloropropane	9.37	63	12100	5.971	ug/l	95
46) Dibromomethane	9.46	93	6526	6.290	ug/l	99
47) Bromodichloromethane	9.65	83	15705	5.906	ug/l	95
48) Methyl methacrylate	9.44	41	6478	5.804	ug/l	93
49) 1,4-Dioxane	9.49	88	1832	116.949	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	35474	29.311	ug/l	99
52) Toluene	10.39	92	31118	6.097	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	15969	5.878	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	17233	5.574	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	9205	6.296	ug/l	95
56) Ethyl methacrylate	10.65	69	9423	5.308	ug/l	97
57) 1,3-Dichloropropane	10.93	76	15608	6.190	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	22248	27.956	ug/l	100
59) 2-Hexanone	10.98	43	24830	29.368	ug/l	96
60) Dibromochloromethane	11.13	129	9663	5.558	ug/l	99
61) 1,2-Dibromoethane	11.24	107	8419	6.088	ug/l	99
64) Tetrachloroethene	10.87	164	11630	6.246	ug/l	96
65) Chlorobenzene	11.66	112	32922	5.679	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	11100	5.449	ug/l	94
67) Ethyl Benzene	11.74	91	55208	5.373	ug/l	97
68) m/p-Xylenes	11.85	106	40246	10.303	ug/l	98
69) o-Xylene	12.17	106	18738	5.176	ug/l	96
70) Styrene	12.19	104	28683	4.760	ug/l	96
71) Bromoform	12.35	173	5858	5.549	ug/l #	99
73) Isopropylbenzene	12.47	105	50350	4.918	ug/l	100
74) N-amyl acetate	12.28	43	12751	5.472	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	10966	6.332	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	13559	10.776	ug/l #	100
77) Bromobenzene	12.75	156	13287	5.573	ug/l	97
78) n-propylbenzene	12.81	91	66123	5.275	ug/l	100
79) 2-Chlorotoluene	12.90	91	37283	5.263	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	42965	5.000	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2818	5.154	ug/l	96
82) 4-Chlorotoluene	12.99	91	40826	5.433	ug/l	99
83) tert-Butylbenzene	13.21	119	34914	4.768	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	44622	5.048	ug/l	99
85) sec-Butylbenzene	13.39	105	55187	5.070	ug/l	100
86) p-Isopropyltoluene	13.51	119	45541	4.744	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	27483	5.612	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	28230	5.798	ug/l	95
89) n-Butylbenzene	13.84	91	47299	5.054	ug/l	98
90) Hexachloroethane	14.10	117	9509	5.475	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	24835	5.789	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1981	6.797	ug/l	81

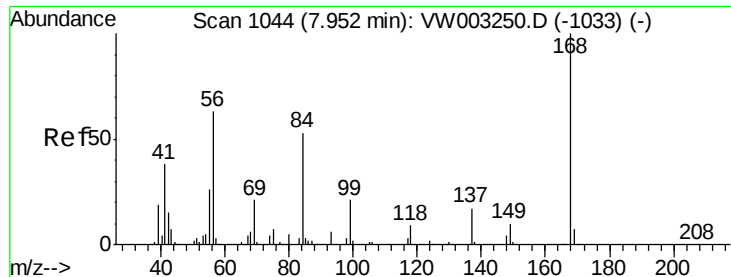
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	15576	5.172	ug/l	99
94) Hexachlorobutadiene	15.25	225	9878	5.453	ug/l	95
95) Naphthalene	15.38	128	24705	4.836	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	14181	5.349	ug/l	96

(#) = 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: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

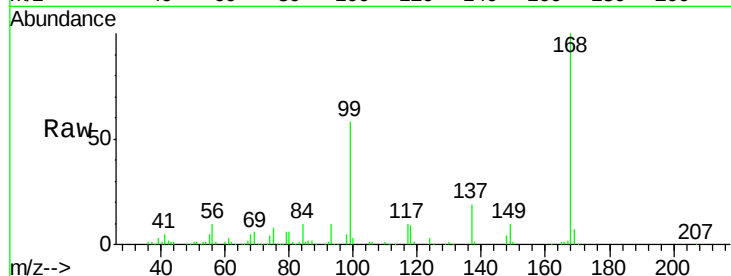
ClientSampleId :

Tot Ion:168 Resp: 186707

Ion Ratio Lower Upper

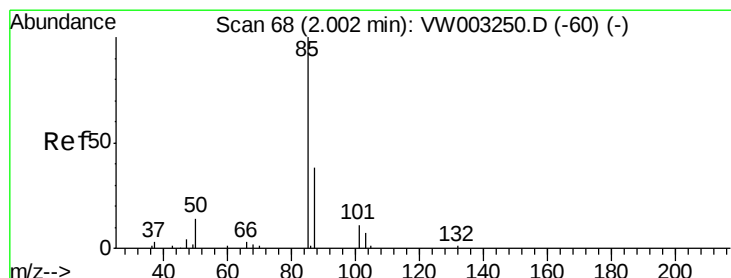
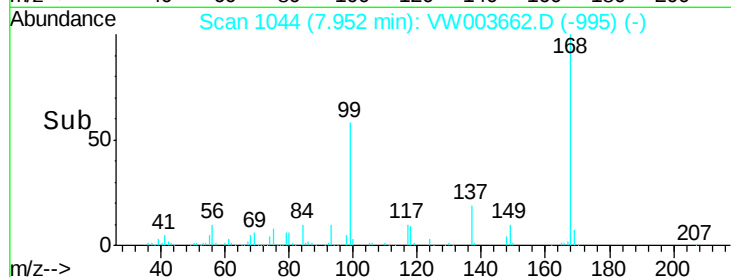
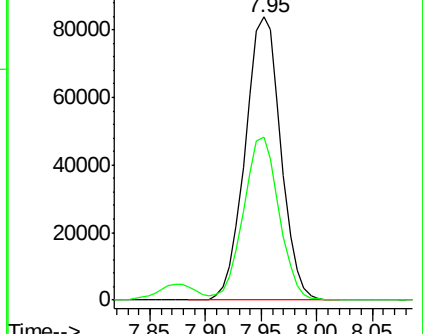
168 100

99 57.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 8.100 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003662.D

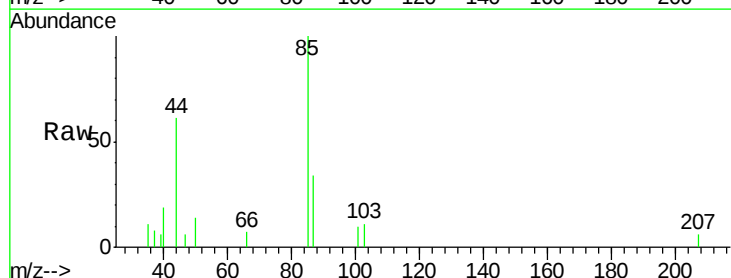
Acq: 29 Jun 2018 15:58

Tgt Ion: 85 Resp: 4572

Ion Ratio Lower Upper

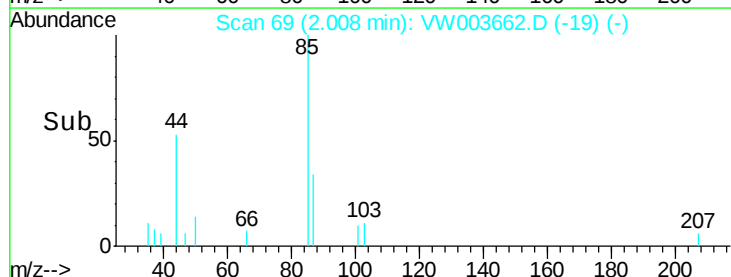
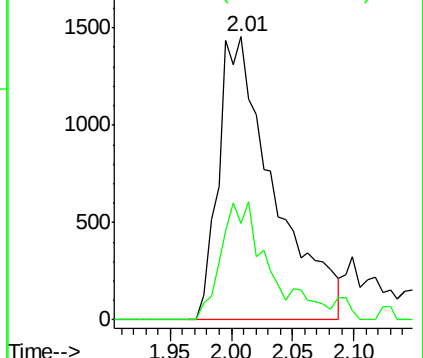
85 100

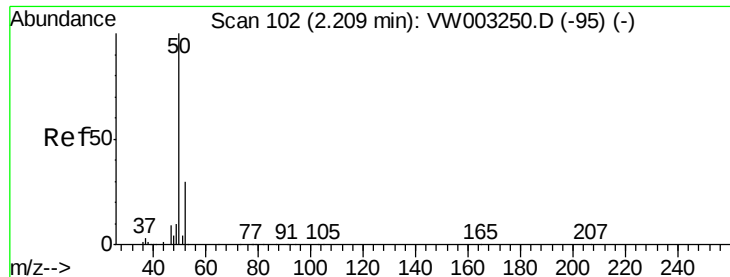
87 34.0 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 6.588 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

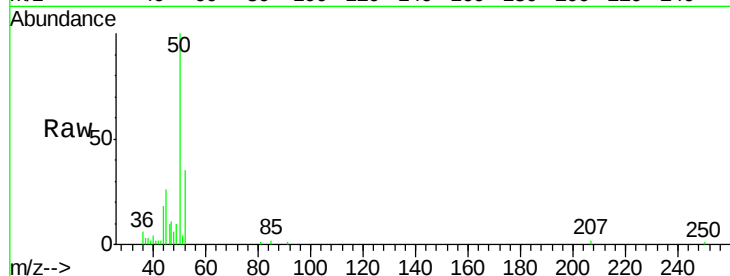
ClientSampleId :

Tot Ion: 50 Resp: 9396

Ion Ratio Lower Upper

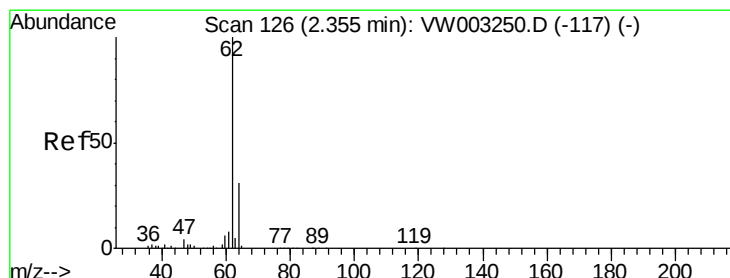
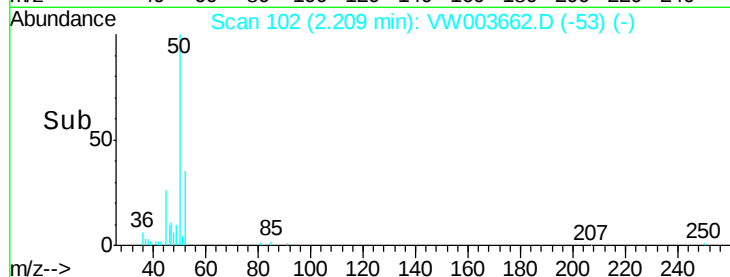
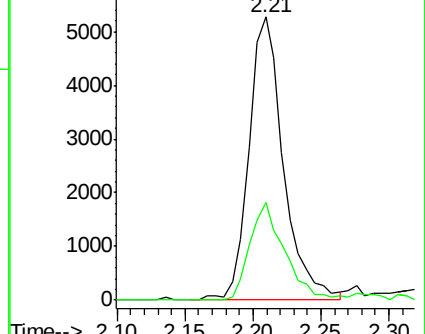
50 100

52 34.6 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: 6.644 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003662.D

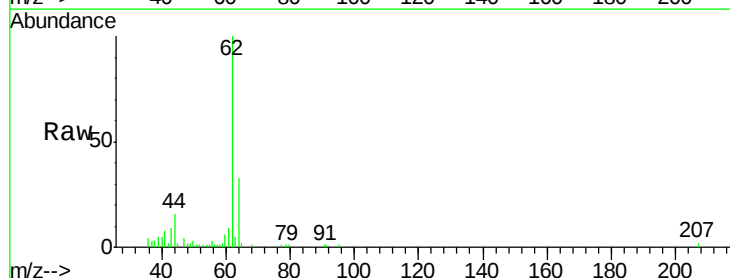
Acq: 29 Jun 2018 15:58

Tgt Ion: 62 Resp: 13813

Ion Ratio Lower Upper

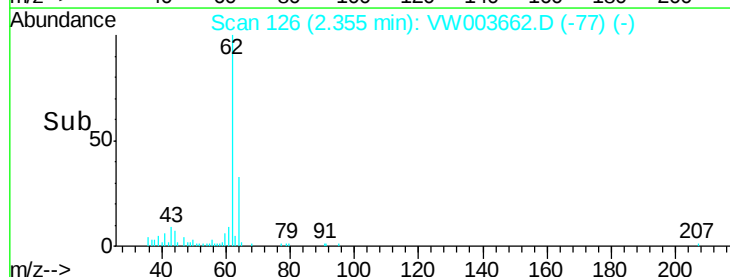
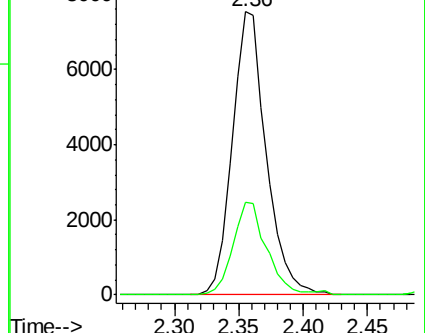
62 100

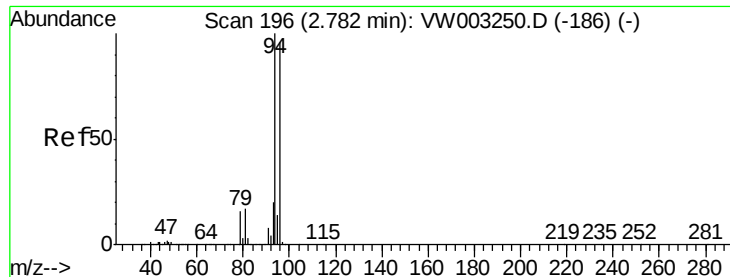
64 32.6 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 6.344 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

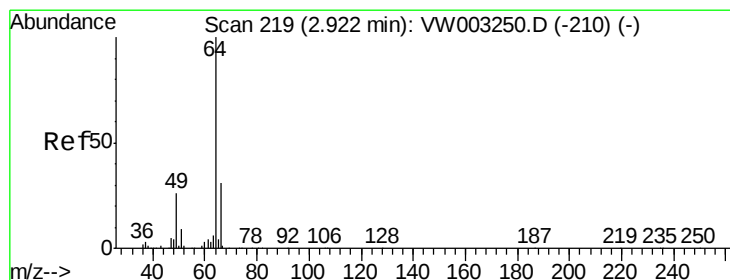
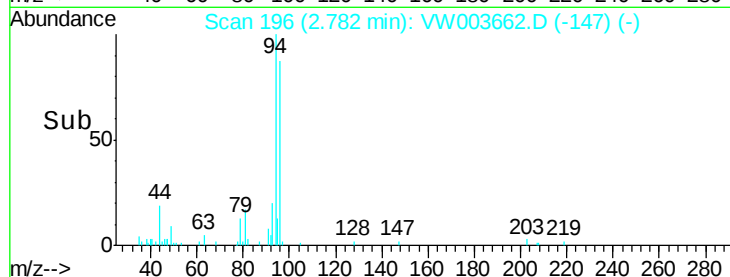
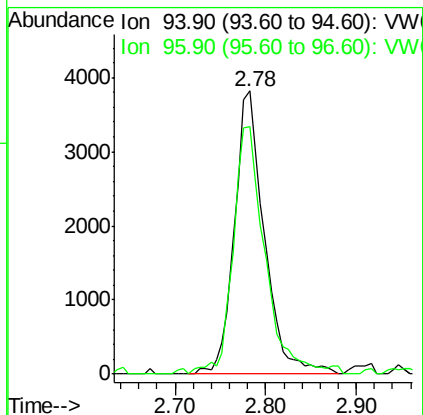
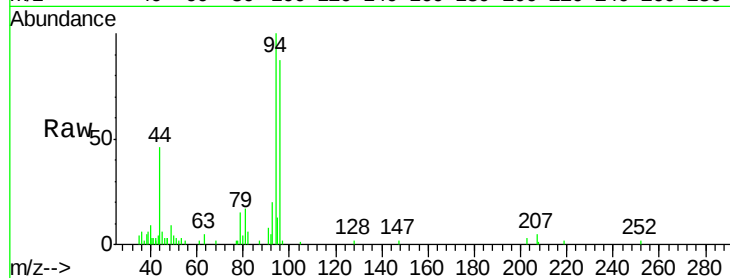
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 8767

Ion Ratio Lower Upper

94 100

96 87.3 76.5 114.7



#6

Chloroethane

Concen: 5.380 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003662.D

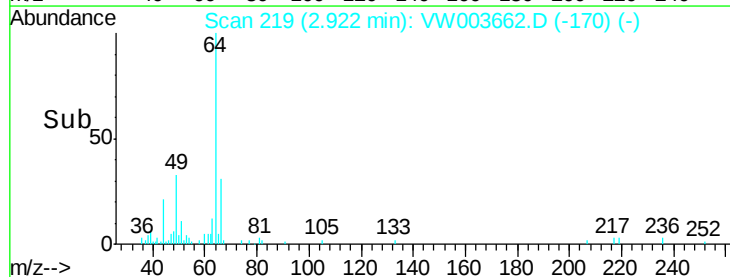
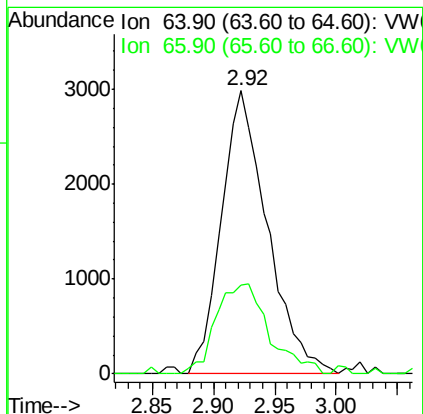
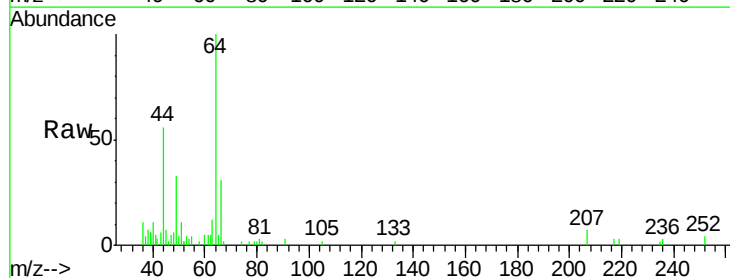
Acq: 29 Jun 2018 15:58

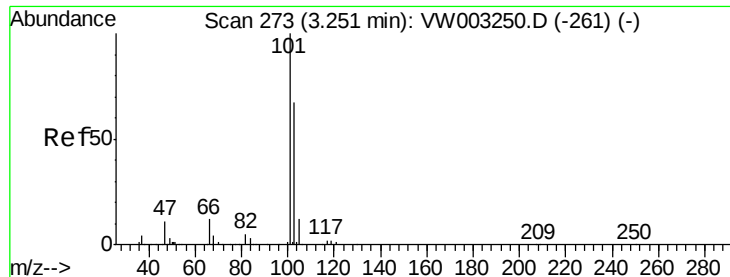
Tgt Ion: 64 Resp: 7786

Ion Ratio Lower Upper

64 100

66 29.5 24.4 36.6



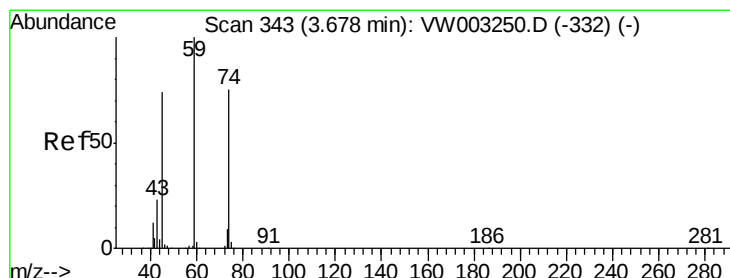
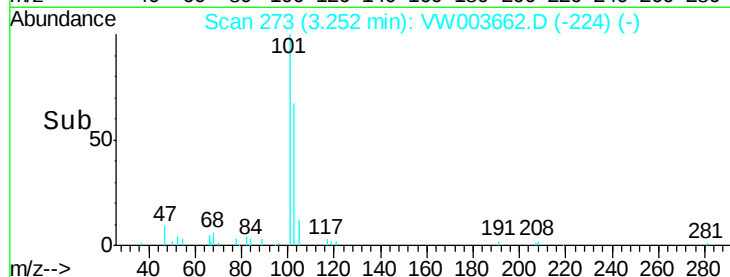
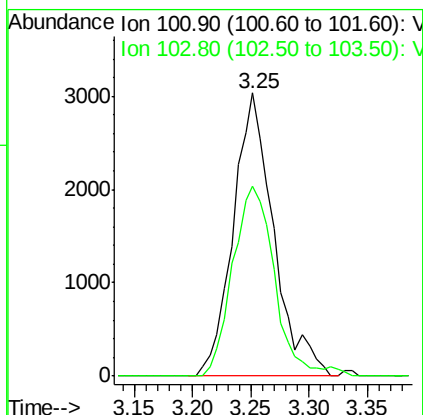
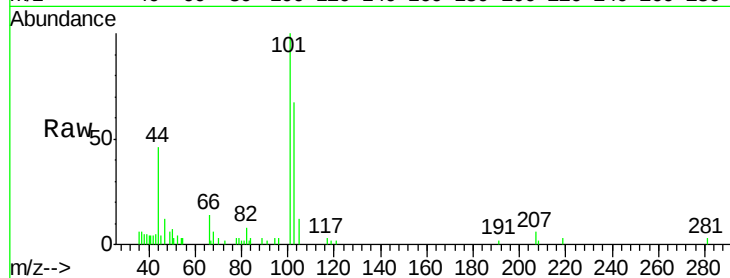


#7

Trichlorofluoromethane
 Concen: 5.891 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :

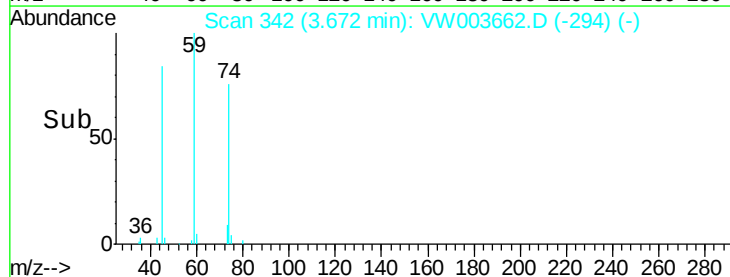
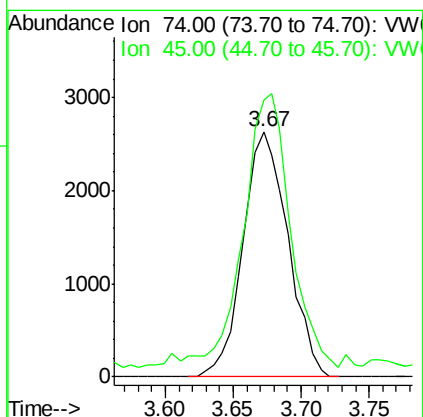
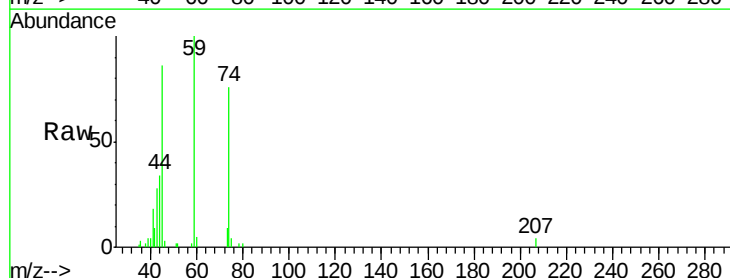
Tot Ion:101 Resp: 7338
 Ion Ratio Lower Upper
 101 100
 103 67.3 53.4 80.0

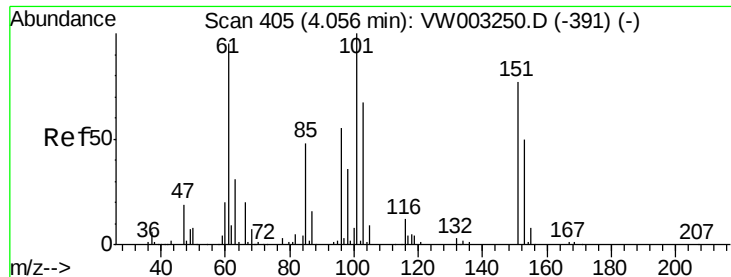


#8

Diethyl Ether
 Concen: 6.634 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion: 74 Resp: 6070
 Ion Ratio Lower Upper
 74 100
 45 114.5 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.129 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

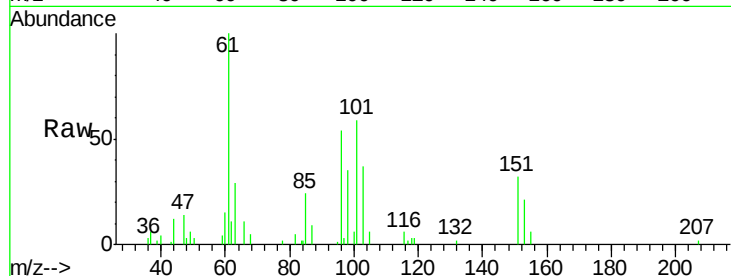
Tot Ion:101 Resp: 10601

Ion Ratio Lower Upper

101 100

85 49.1 37.0 55.6

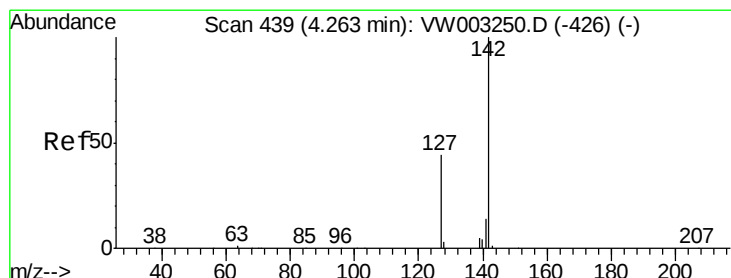
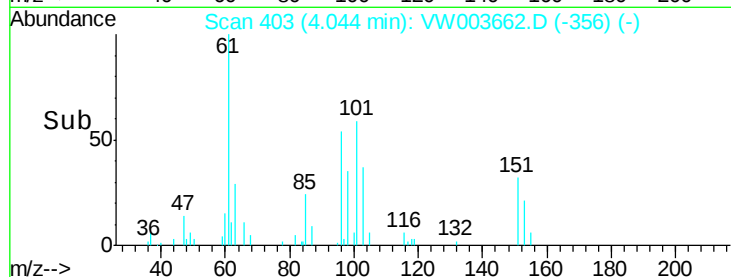
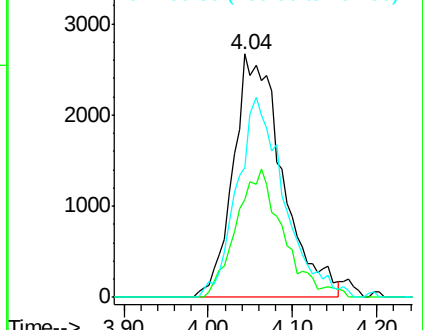
151 79.1 63.3 94.9



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: 6.031 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

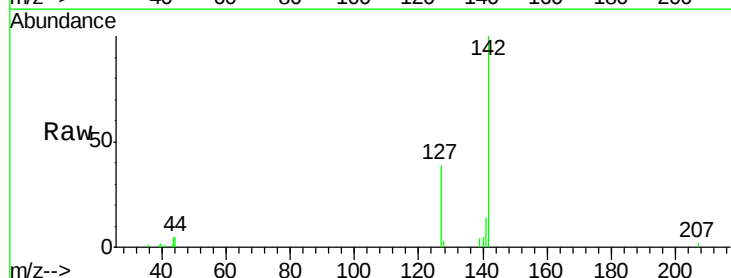
Tgt Ion:142 Resp: 15776

Ion Ratio Lower Upper

142 100

127 45.7 36.5 54.7

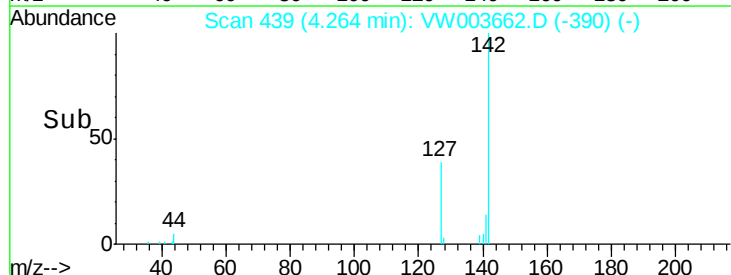
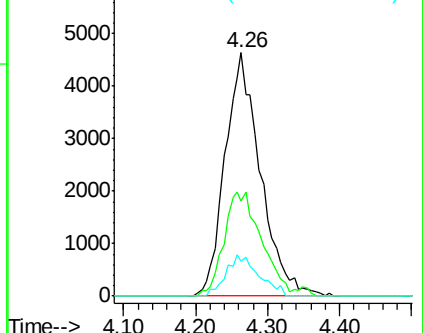
141 15.6 12.1 18.1

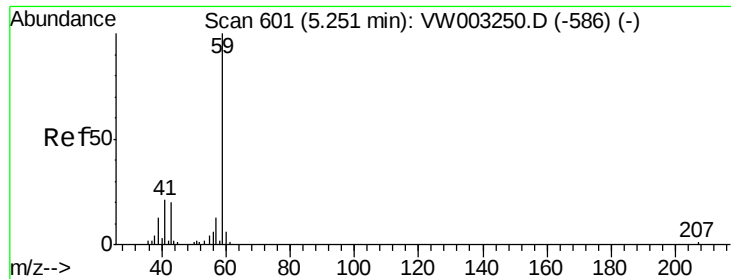


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

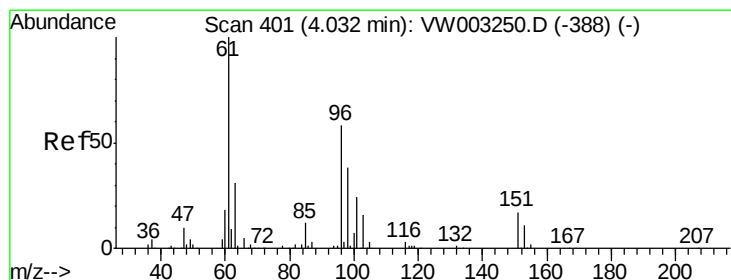
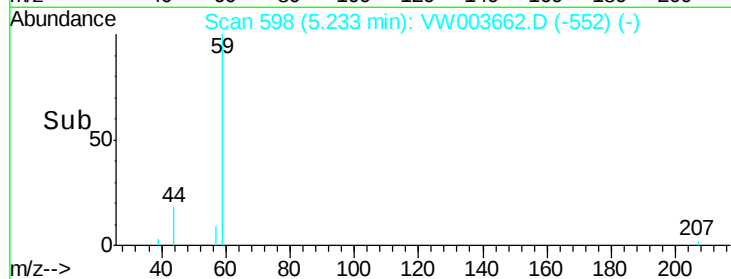
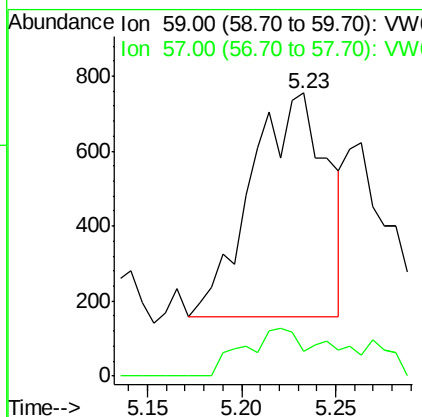
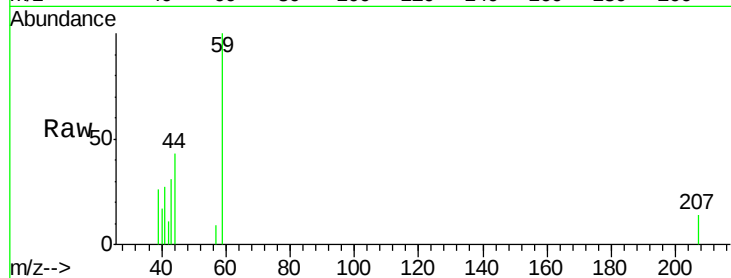




#11
Tert butyl alcohol
Concen: 15.517 ug/l
RT: 5.23 min Scan# 598
Delta R.T. -0.02 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

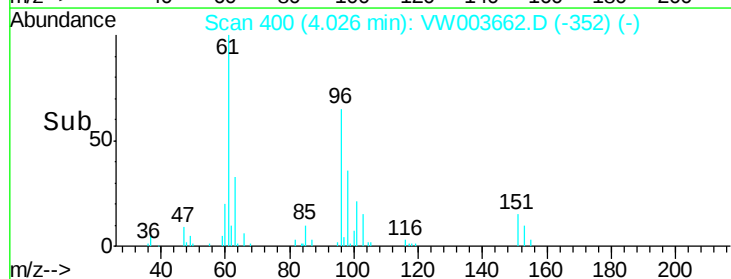
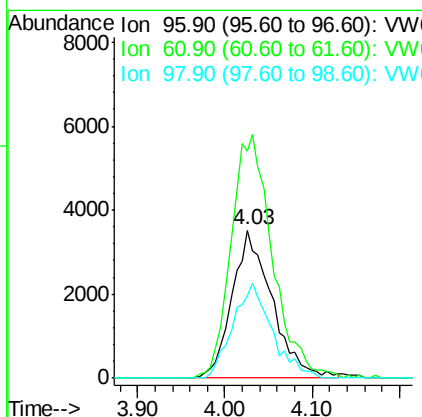
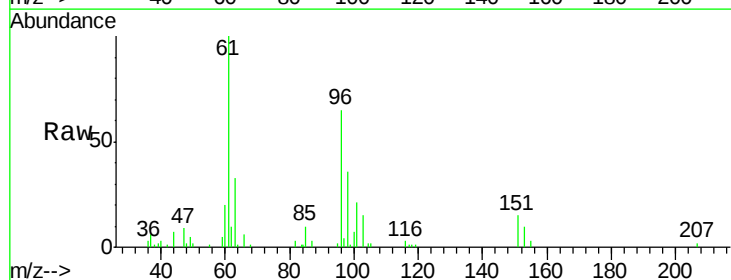
Instrument :
MSVOA_W
ClientSampled :

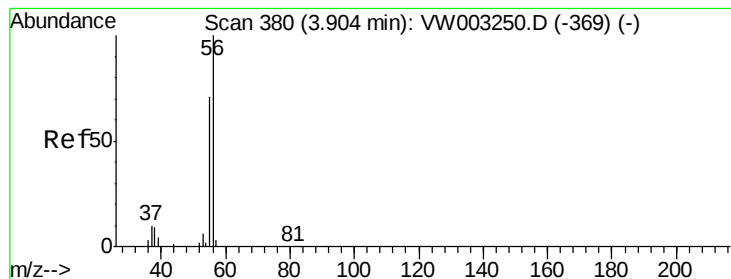
Tot Ion: 59 Resp: 1683
Ion Ratio Lower Upper
59 100
57 17.2 4.2 6.2#



#12
1,1-Dichloroethene
Concen: 6.622 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 96 Resp: 11193
Ion Ratio Lower Upper
96 100
61 153.7 139.0 208.4
98 55.9 53.3 79.9





#13

Acrolein

Concen: 19.385 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

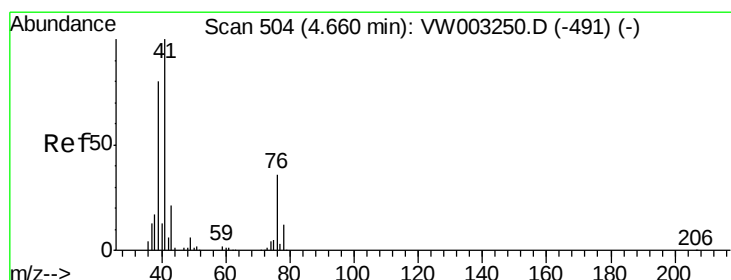
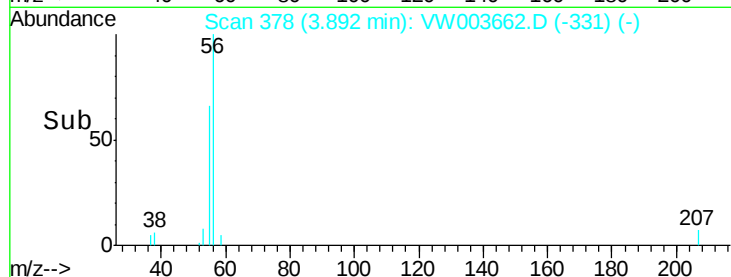
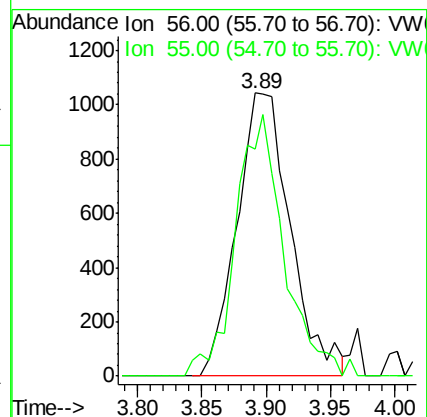
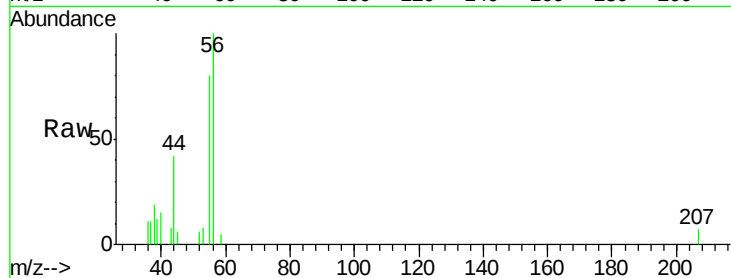
ClientSampleId :

Tot Ion: 56 Resp: 3006

Ion Ratio Lower Upper

56 100

55 83.8 55.4 83.2#



#14

Allyl chloride

Concen: 6.015 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

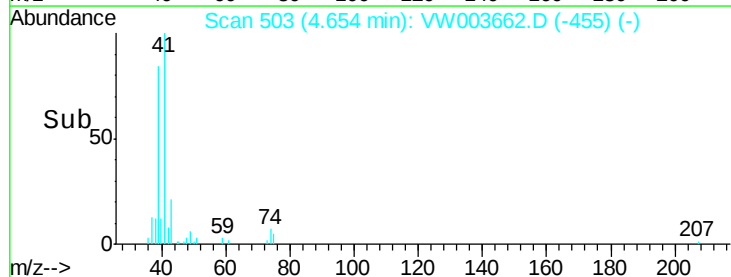
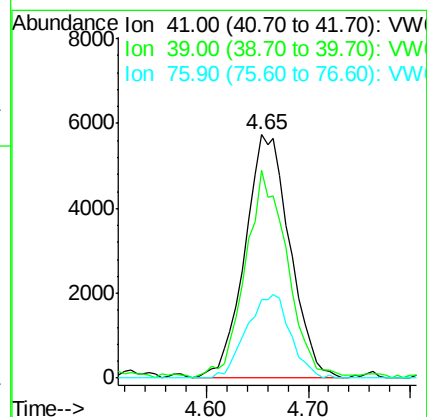
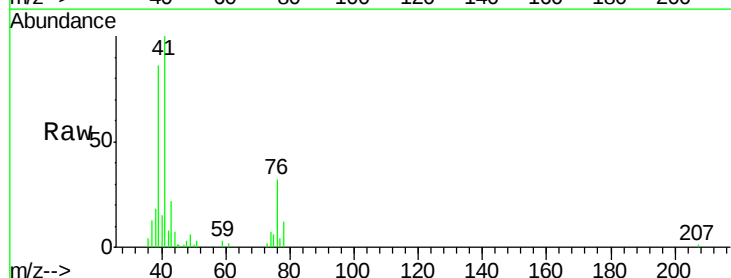
Tgt Ion: 41 Resp: 17610

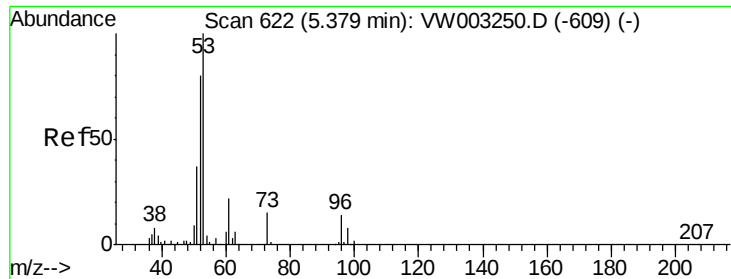
Ion Ratio Lower Upper

41 100

39 80.0 63.2 94.8

76 33.2 28.0 42.0





#15

Acrylonitrile

Concen: 33.064 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

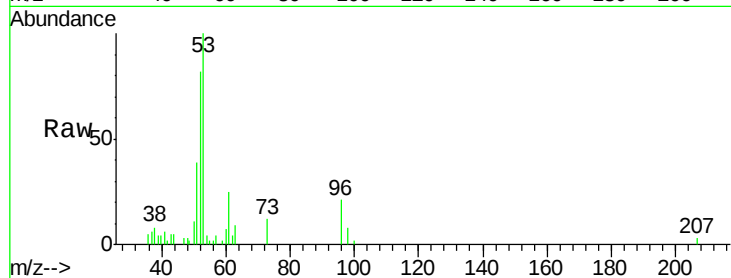
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 12447

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	40.9	30.6	46.0

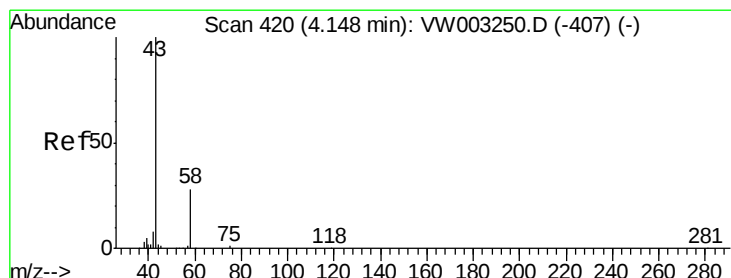
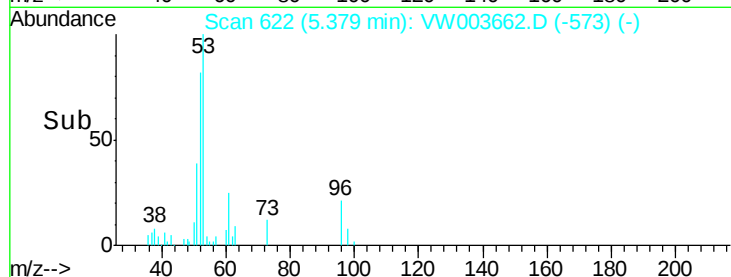
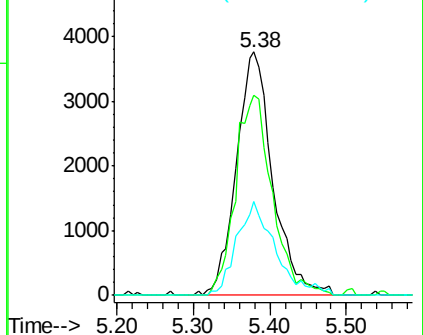


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 37.454 ug/l

RT: 4.15 min Scan# 421

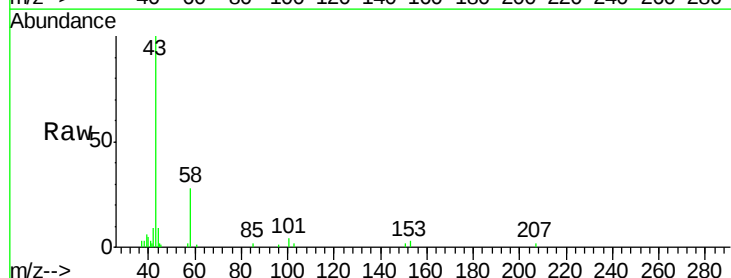
Delta R.T. 0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion: 43 Resp: 15886

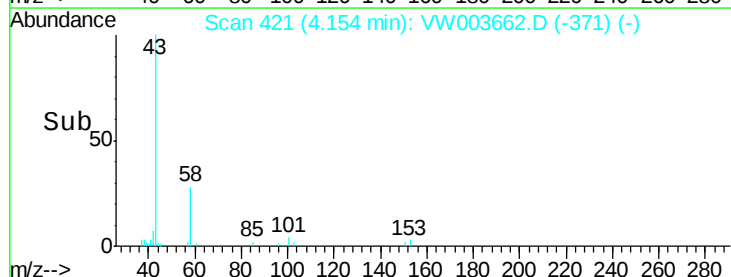
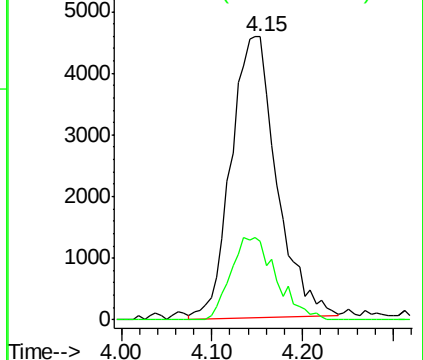
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.6	34.0

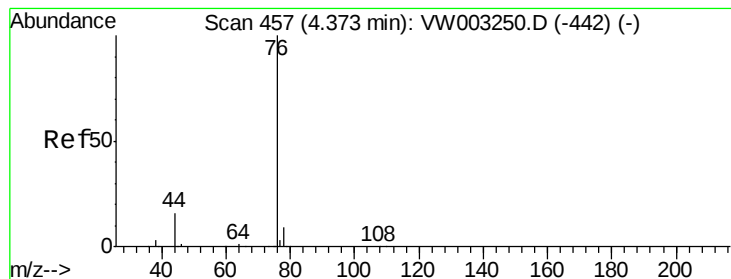


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 6.558 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

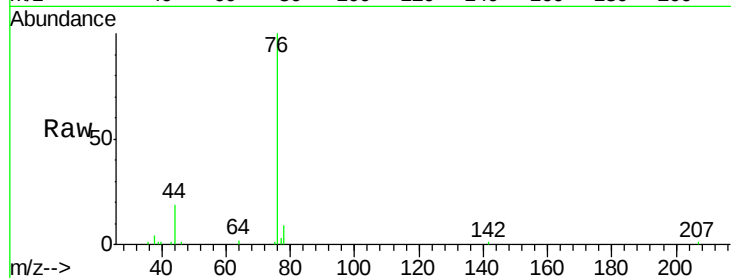
ClientSampled :

Tot Ion: 76 Resp: 32770

Ion Ratio Lower Upper

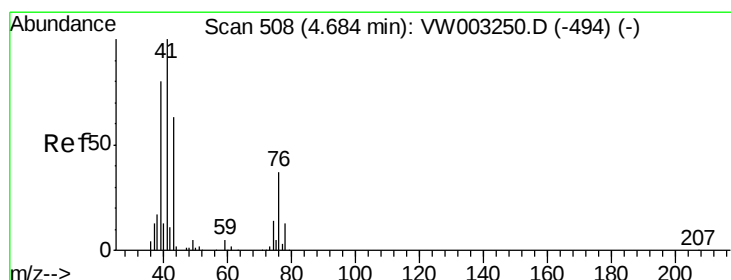
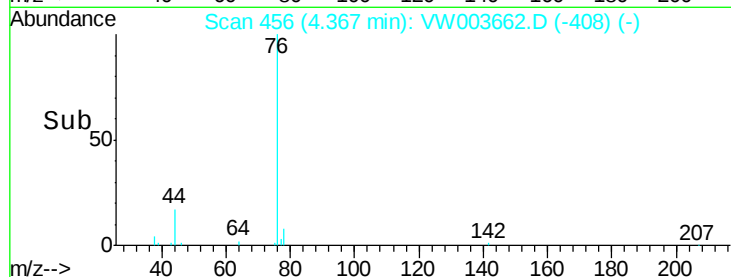
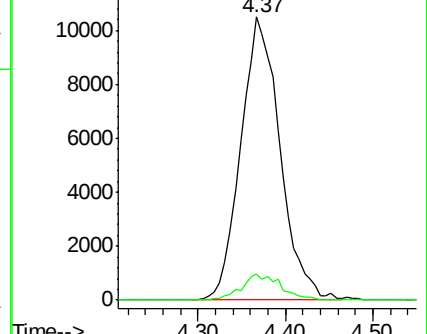
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 9.998 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003662.D

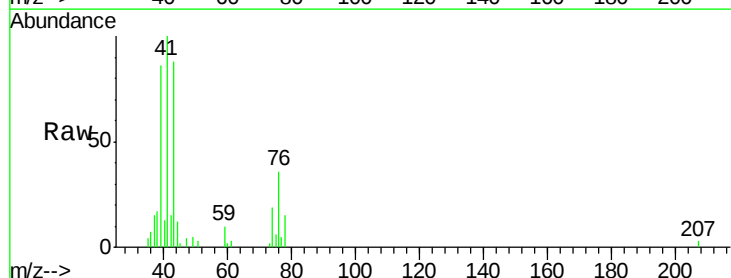
Acq: 29 Jun 2018 15:58

Tgt Ion: 43 Resp: 10060

Ion Ratio Lower Upper

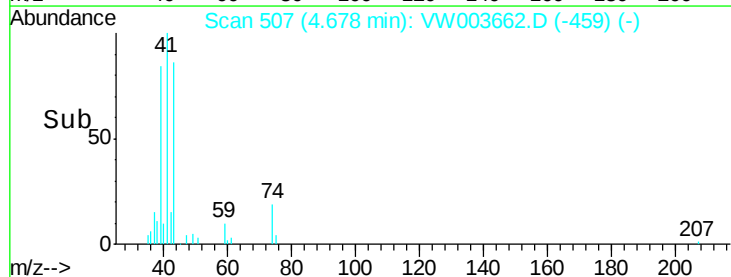
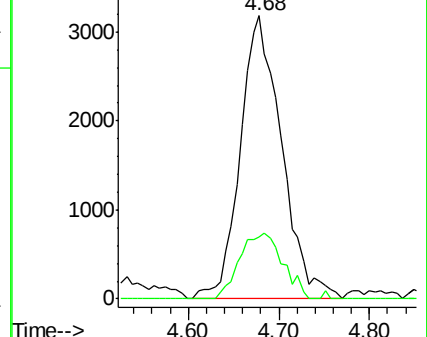
43 100

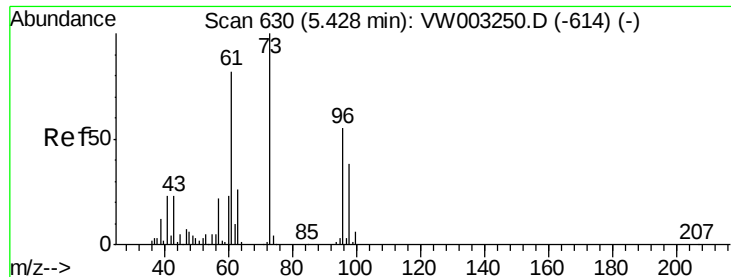
74 24.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

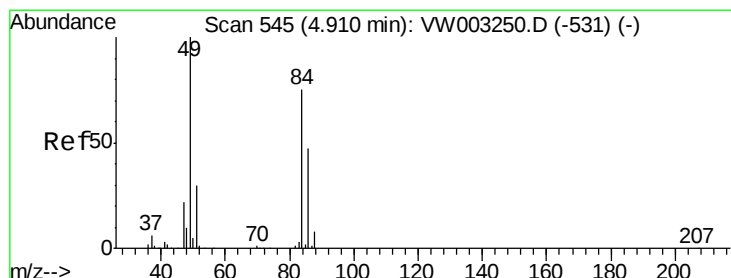
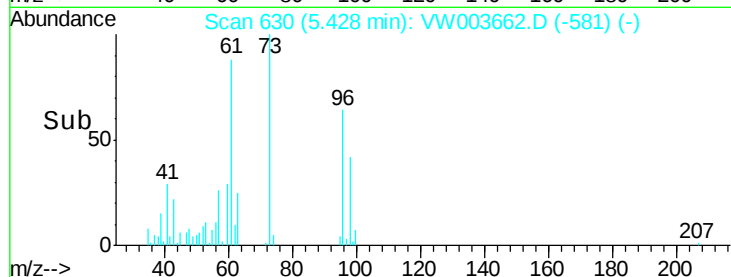
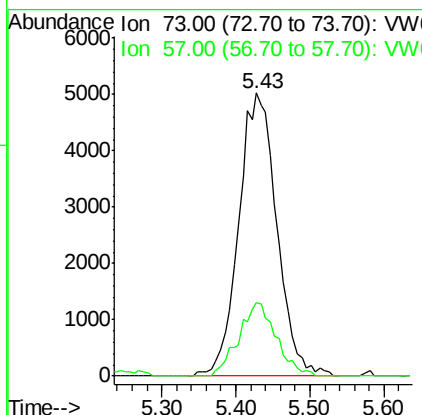
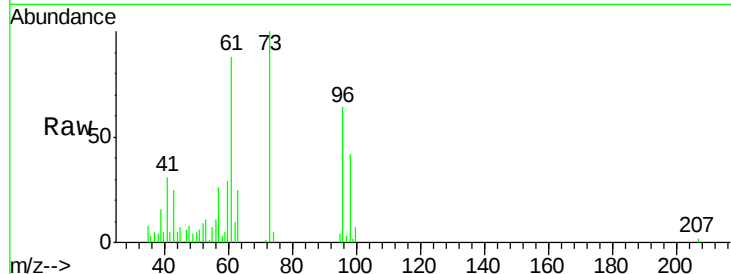




#19
Methvl tert-butvl Ether
Concen: 5.694 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

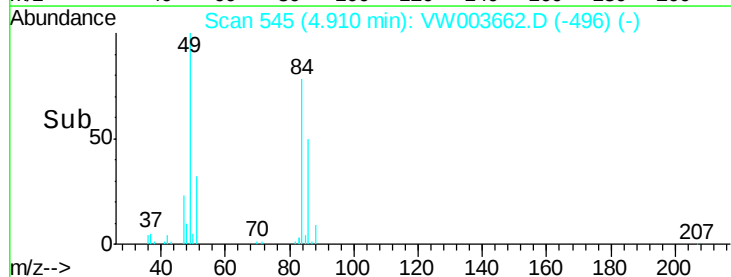
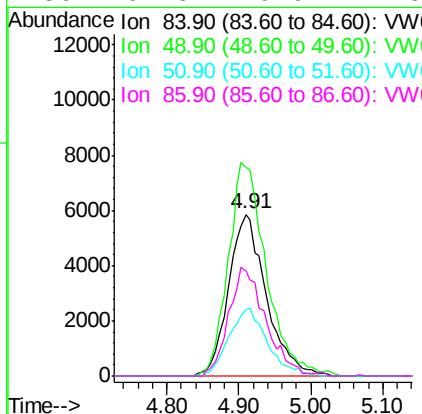
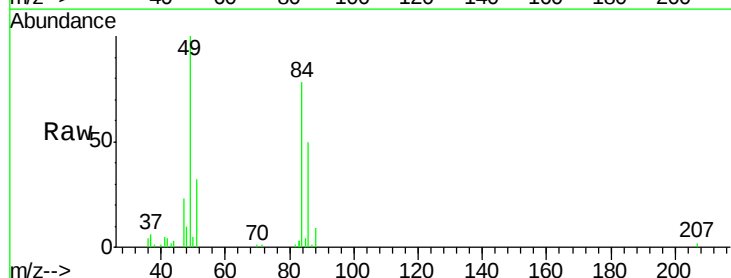
Instrument :
MSVOA_W
ClientSampleId :

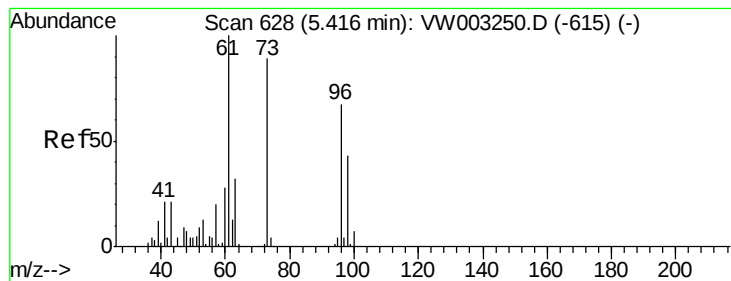
Tot Ion: 73 Resp: 18025
Ion Ratio Lower Upper
73 100
57 25.9 18.0 27.0



#20
Methylene Chloride
Concen: 8.808 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 84 Resp: 21319
Ion Ratio Lower Upper
84 100
49 128.7 106.3 159.5
51 40.9 32.0 48.0
86 64.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 6.042 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

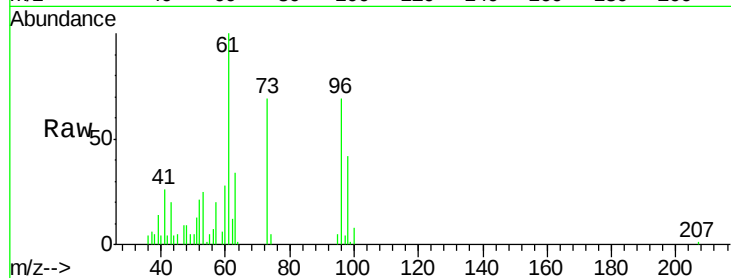
Tot Ion: 96 Resp: 11113

Ion Ratio Lower Upper

96 100

61 145.0 118.7 178.1

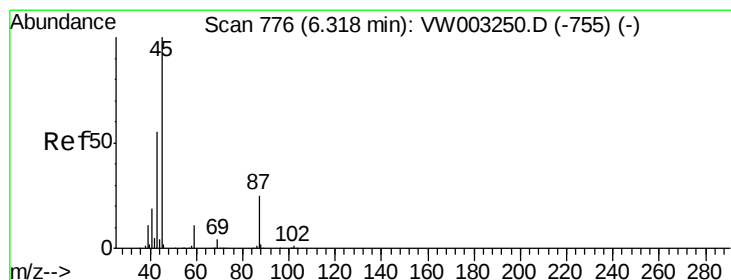
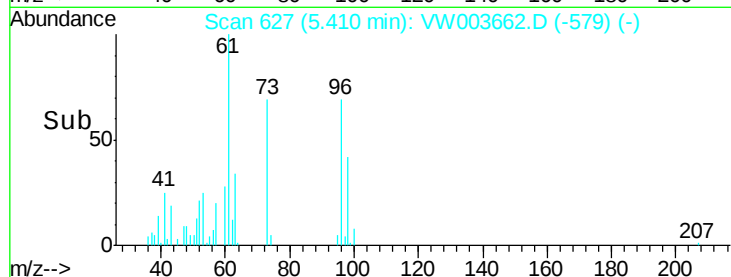
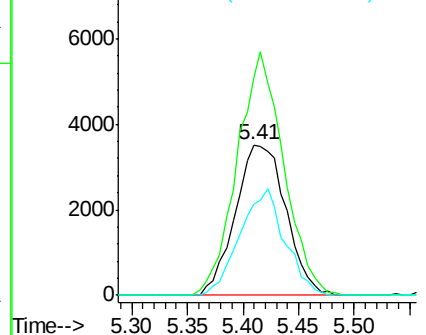
98 60.3 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 5.481 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Tgt Ion: 45 Resp: 32293

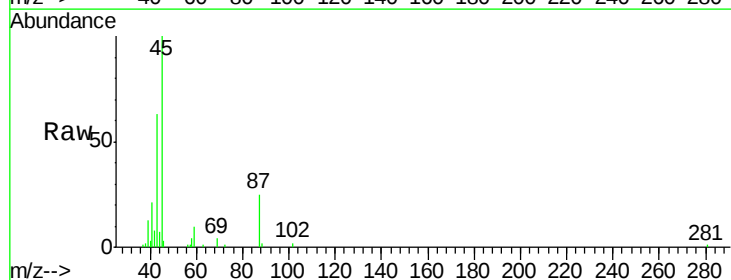
Ion Ratio Lower Upper

45 100

43 61.2 44.0 66.0

87 24.6 20.6 31.0

59 9.7 8.8 13.2

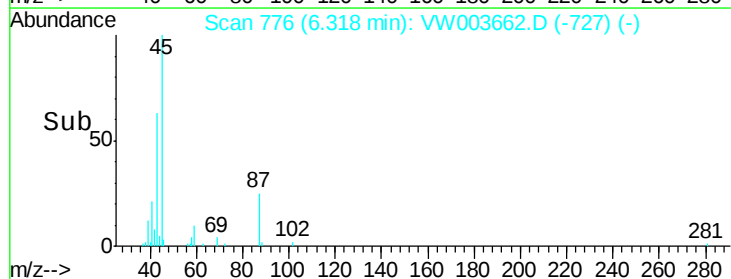
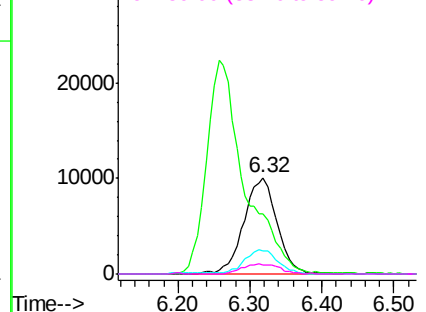


Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 24.076 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

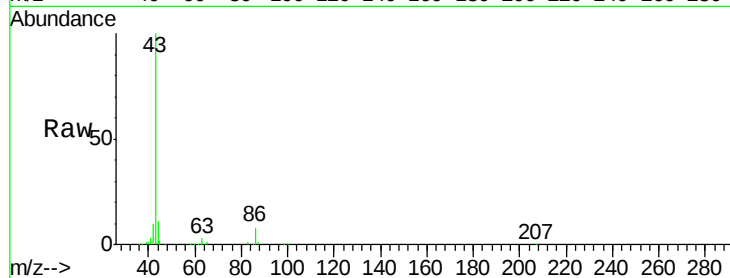
ClientSampled :

Tot Ion: 43 Resp: 81747

Ion Ratio Lower Upper

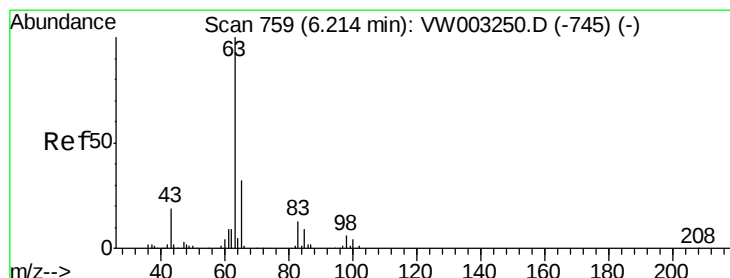
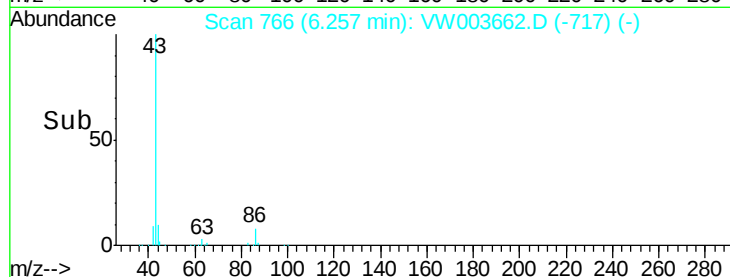
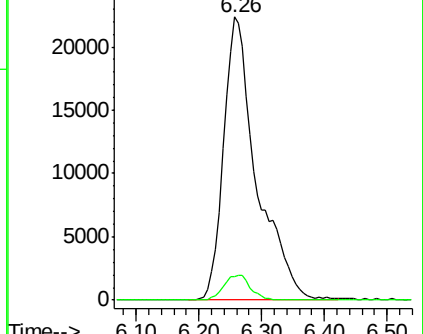
43 100

86 8.3 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 6.267 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

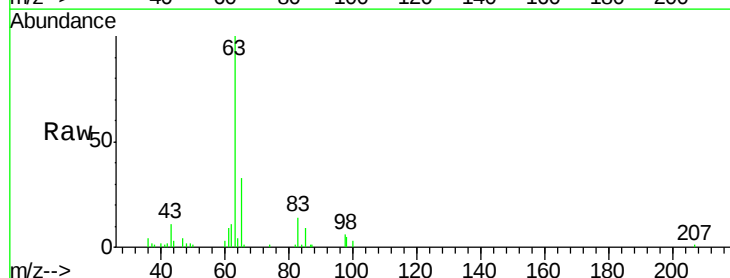
Tgt Ion: 63 Resp: 21923

Ion Ratio Lower Upper

63 100

98 11.0 2.8 8.3#

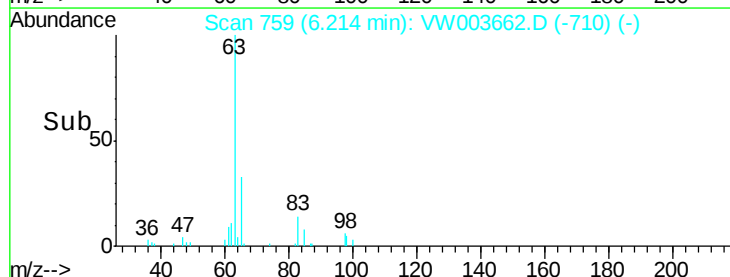
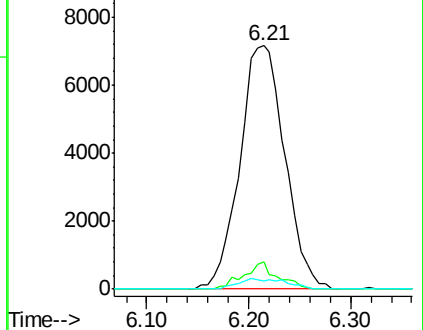
100 3.3 2.1 6.5

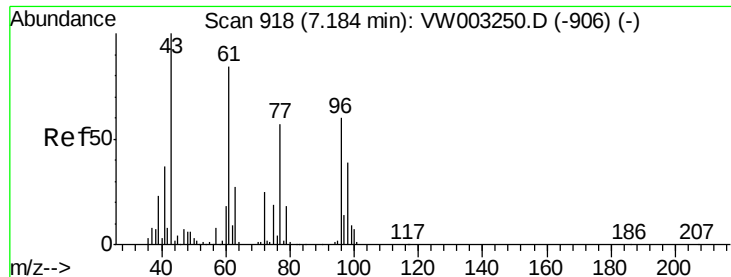


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 37.144 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

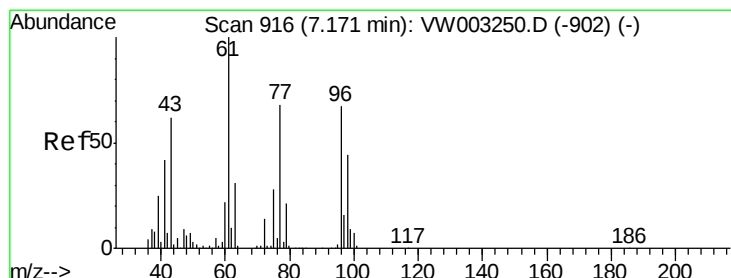
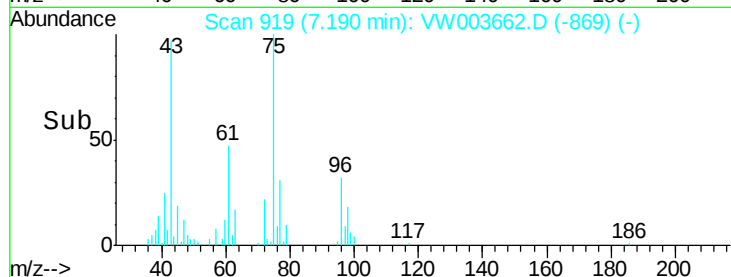
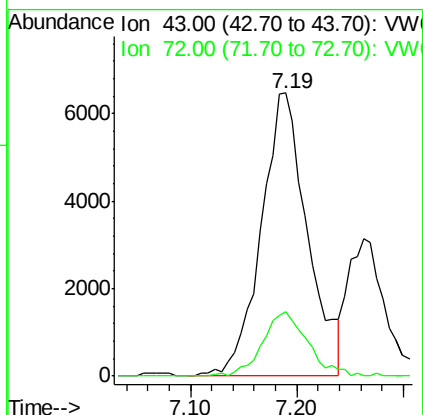
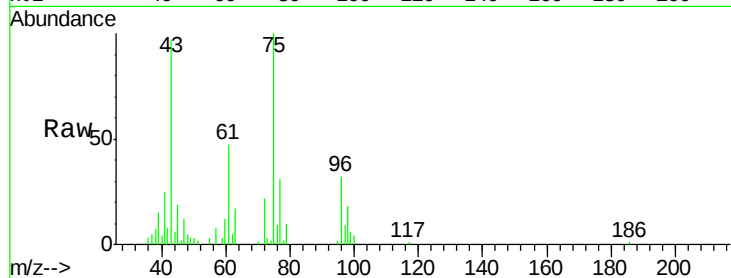
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 19590

Ion Ratio Lower Upper

43 100

72 22.8 20.3 30.5



#26

2,2-Dichloropropane

Concen: 6.723 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003662.D

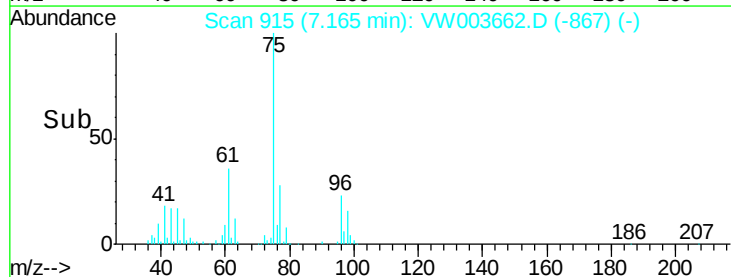
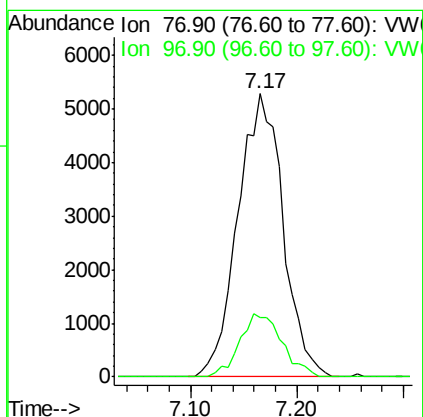
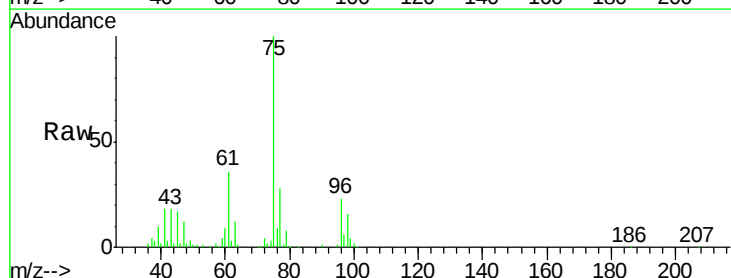
Acq: 29 Jun 2018 15:58

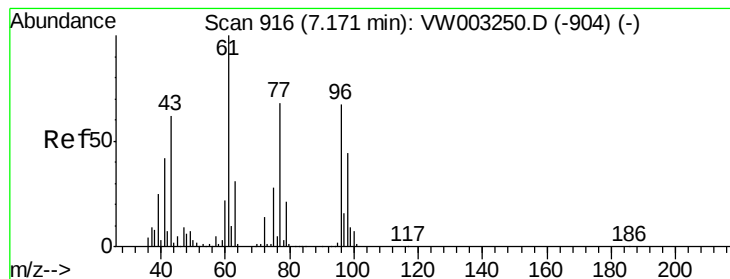
Tgt Ion: 77 Resp: 15694

Ion Ratio Lower Upper

77 100

97 20.9 11.3 33.9



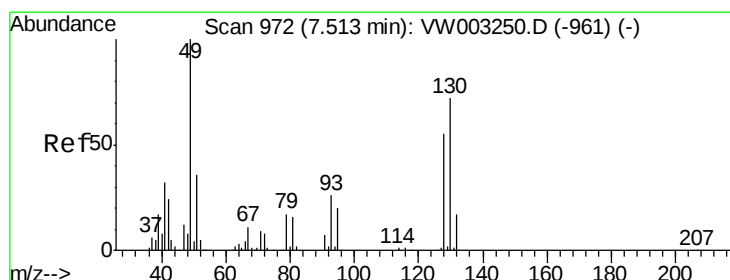
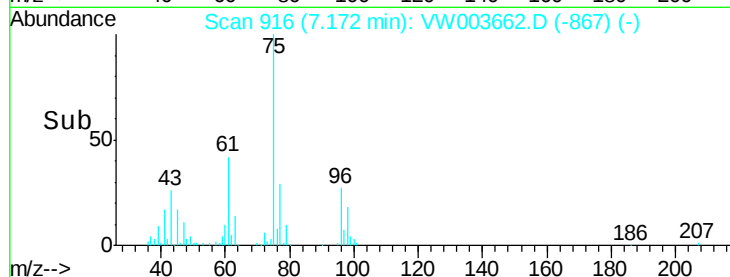
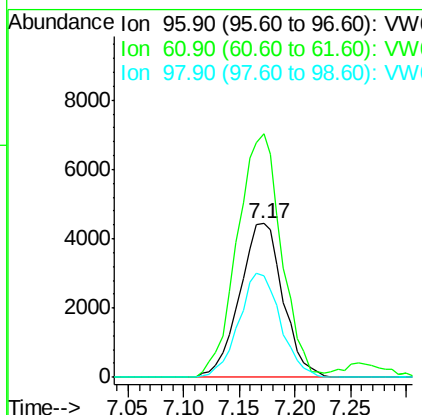
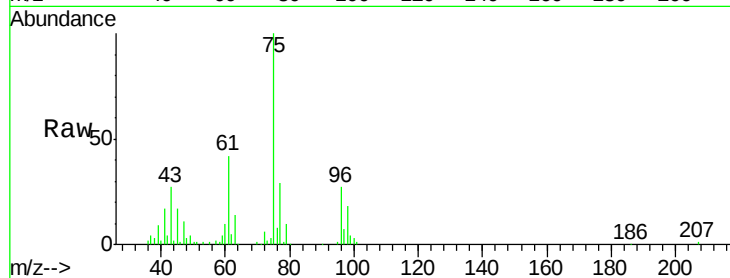


#27

cis-1,2-Dichloroethene
Concen: 5.935 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :

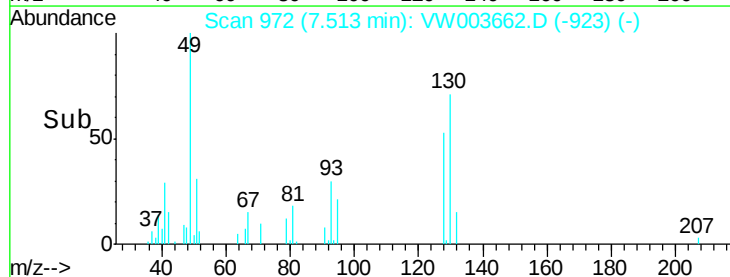
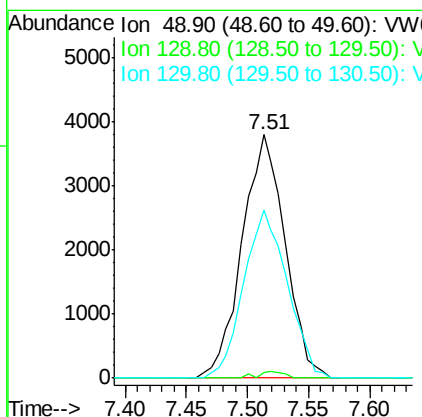
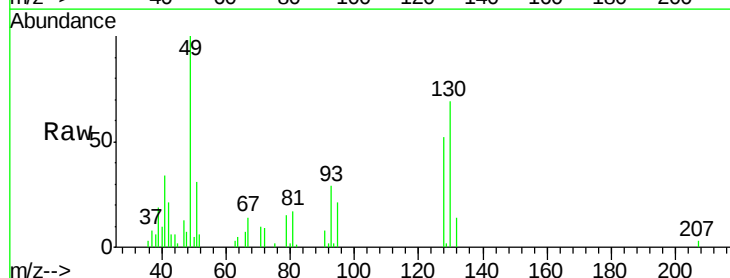
Tot Ion	96	Resp	11993
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	298.8
98	65.1	0.0	130.4

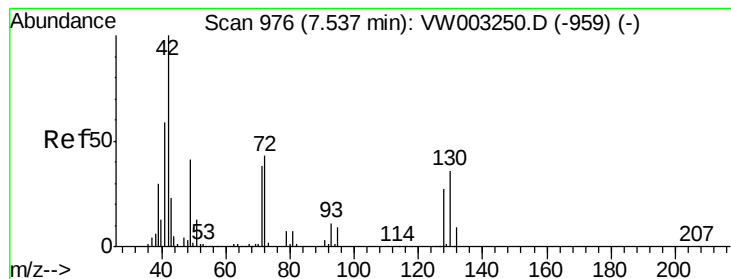


#28

Bromochloromethane
Concen: 6.369 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion	49	Resp	9271
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	70.2	59.4	89.2





#29

Tetrahydrofuran

Concen: 31.058 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampled :

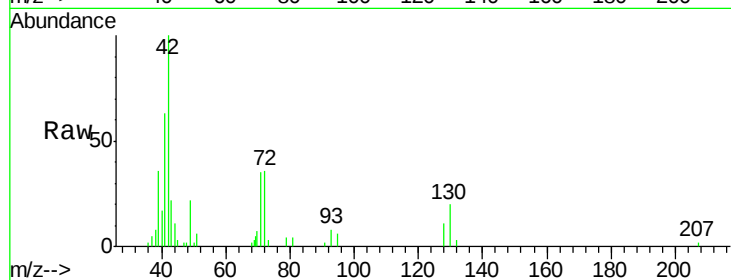
Tot Ion: 42 Resp: 10011

Ion Ratio Lower Upper

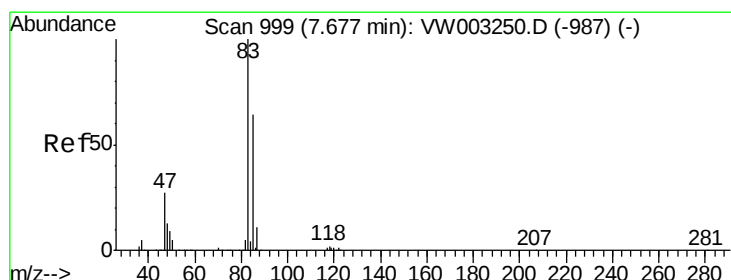
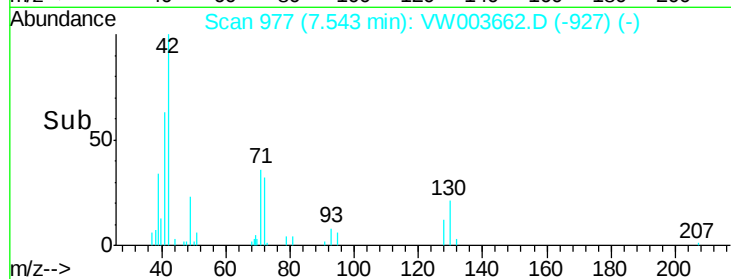
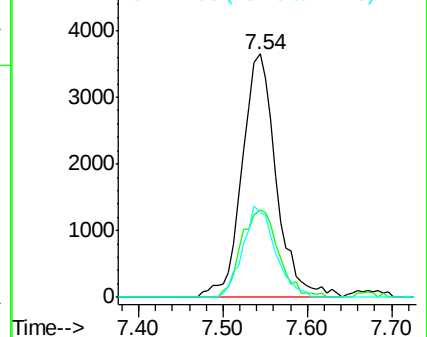
42 100

72 39.1 32.4 48.6

71 35.5 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 6.176 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003662.D

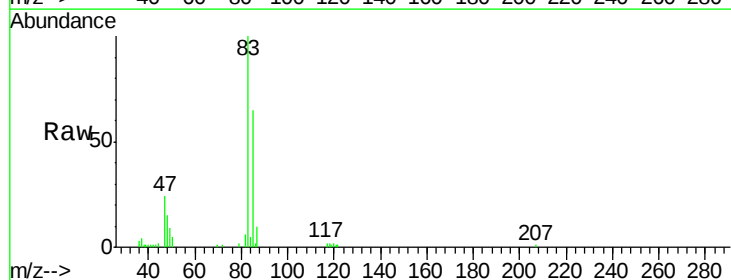
Acq: 29 Jun 2018 15:58

Tgt Ion: 83 Resp: 22010

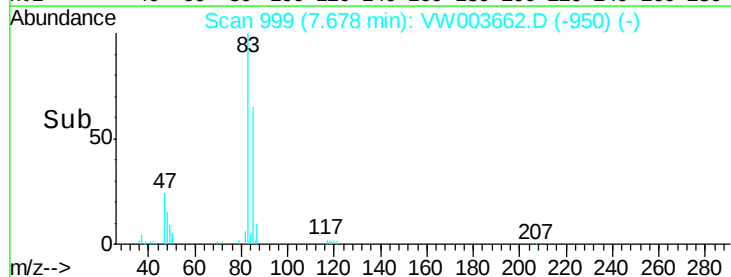
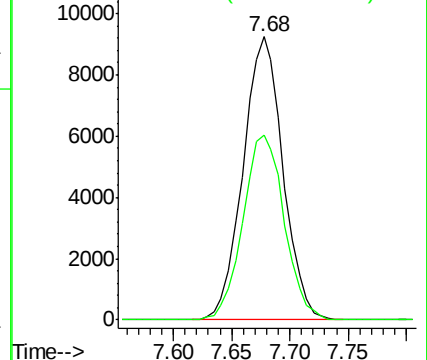
Ion Ratio Lower Upper

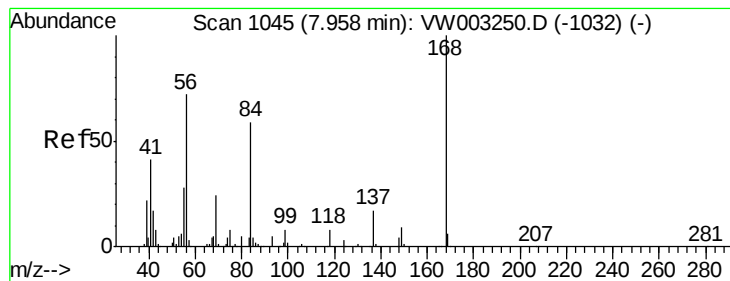
83 100

85 65.4 51.3 76.9



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





#31

Cyclohexane

Concen: 6.775 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

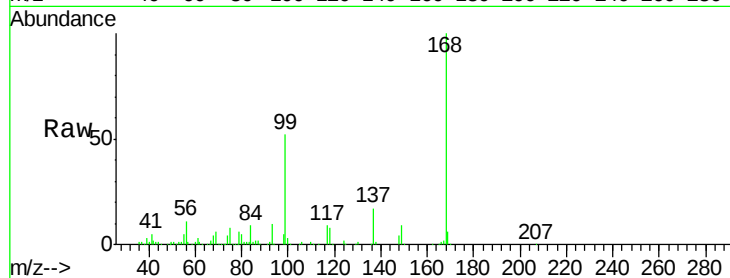
Tot Ion: 56 Resp: 22141

Ion Ratio Lower Upper

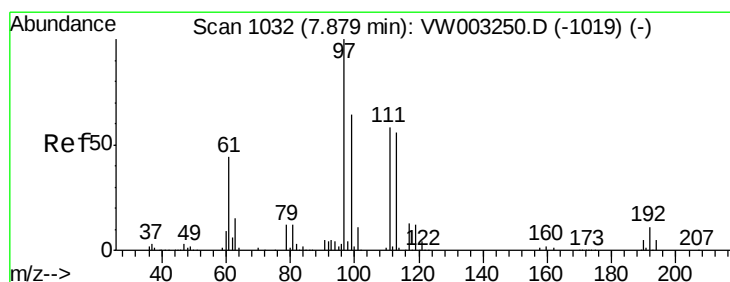
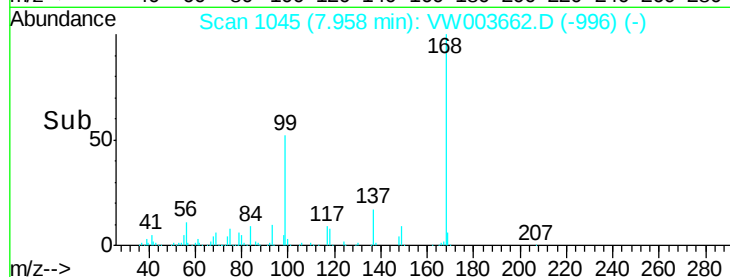
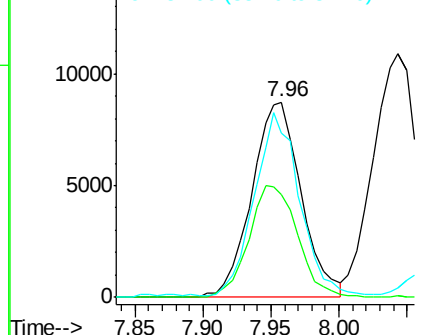
56 100

69 52.8 26.3 39.5#

84 83.1 65.7 98.5



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



#32

1,1,1-Trichloroethane

Concen: 6.168 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

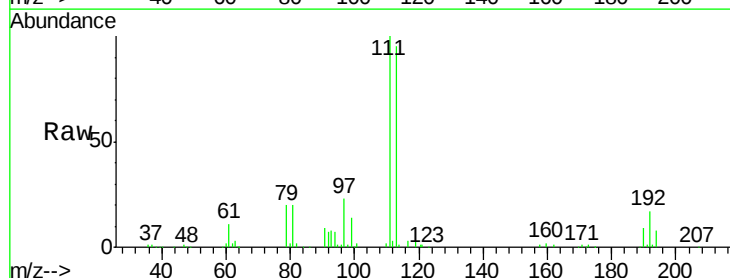
Tgt Ion: 97 Resp: 18143

Ion Ratio Lower Upper

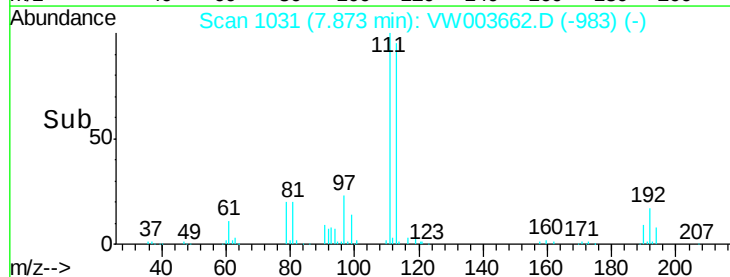
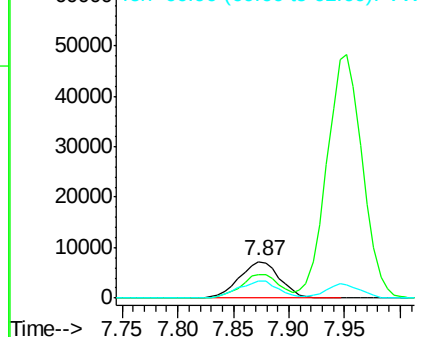
97 100

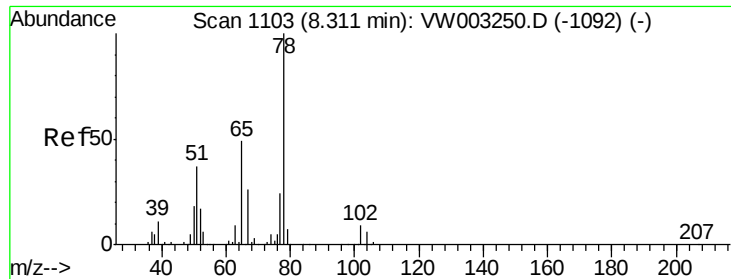
99 62.1 51.7 77.5

61 47.6 37.6 56.4



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





#33

1,2-Dichloroethane-d4

Concen: 57.437 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

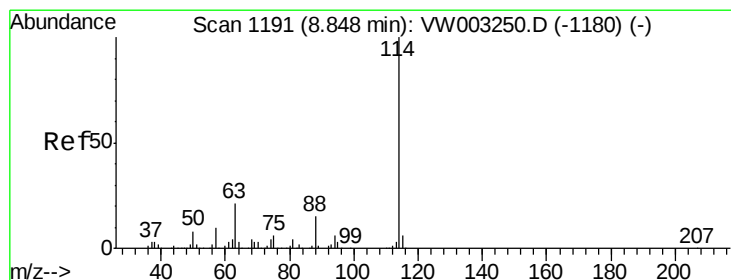
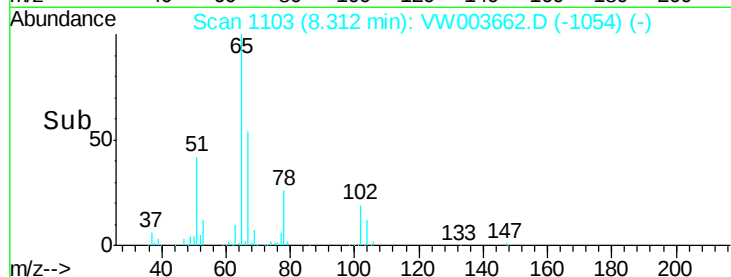
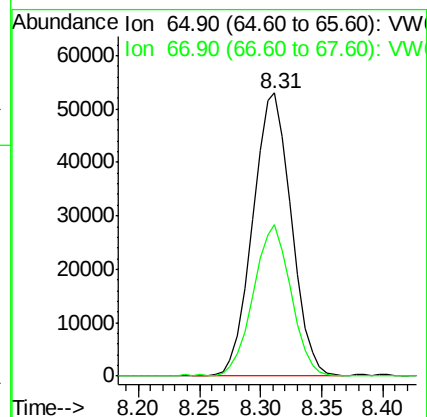
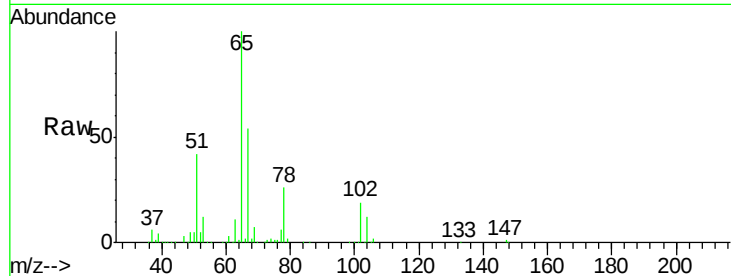
ClientSampleId :

Tot Ion: 65 Resp: 116157

Ion Ratio Lower Upper

65 100

67 52.2 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: VW003662.D

Acq: 29 Jun 2018 15:58

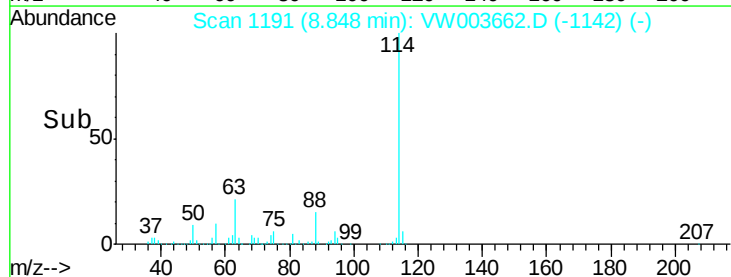
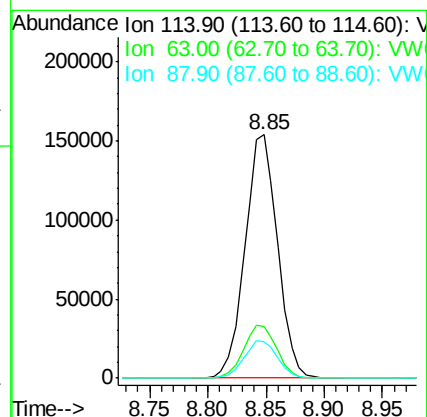
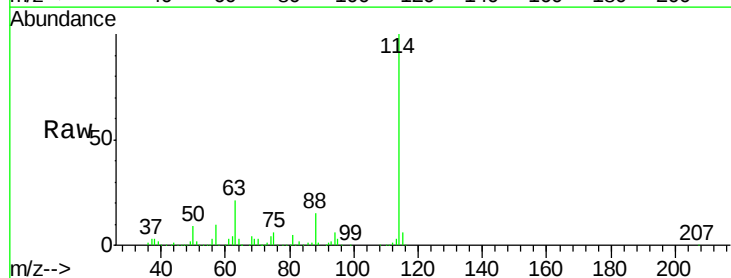
Tgt Ion: 114 Resp: 298979

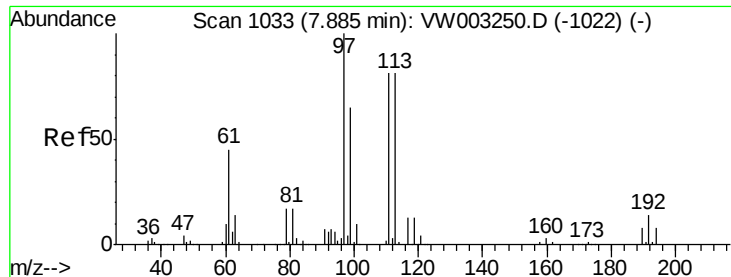
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

88 14.8 0.0 29.6

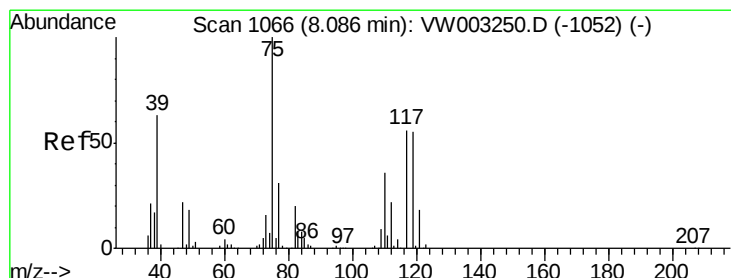
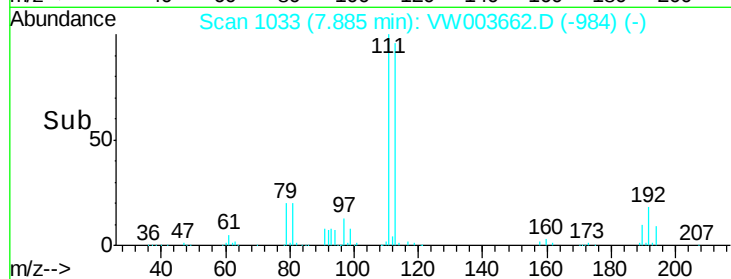
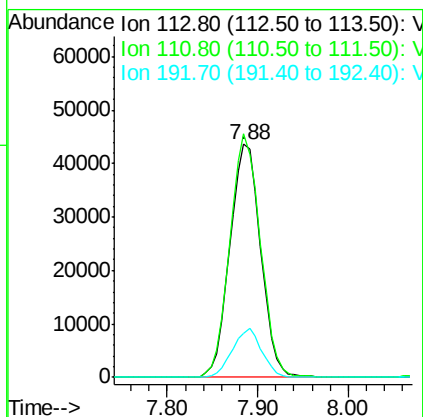
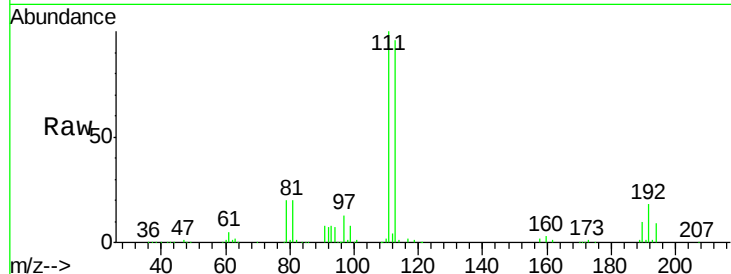




#35
 Dibromofluoromethane
 Concen: 55.442 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

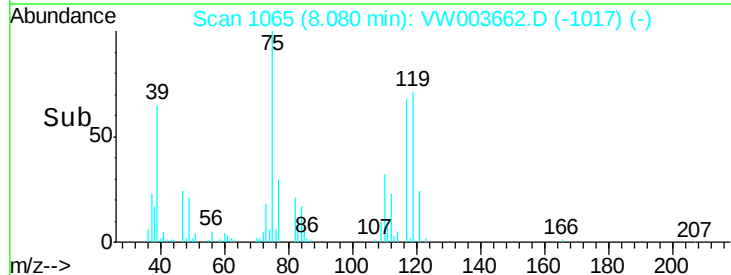
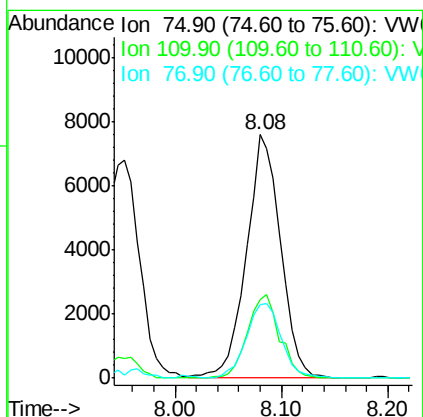
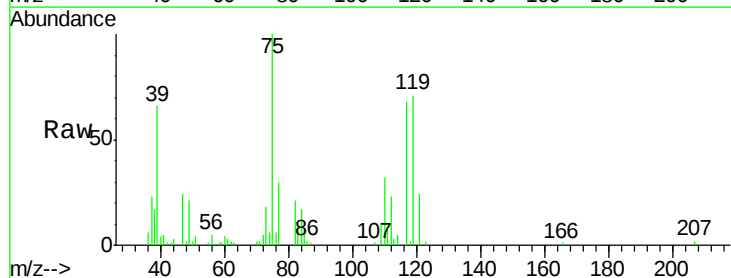
Instrument :
 MSVOA_W
 ClientSampleId :

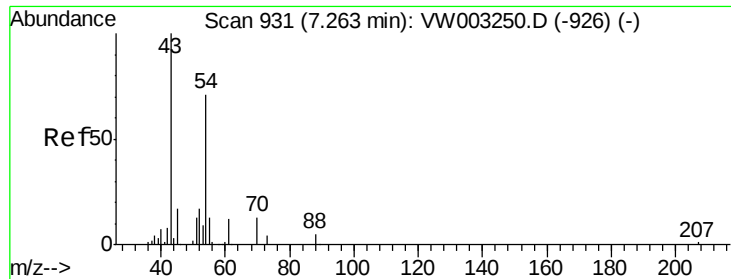
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	20.0	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.941 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.1	51.3
77	31.4	24.9	37.3

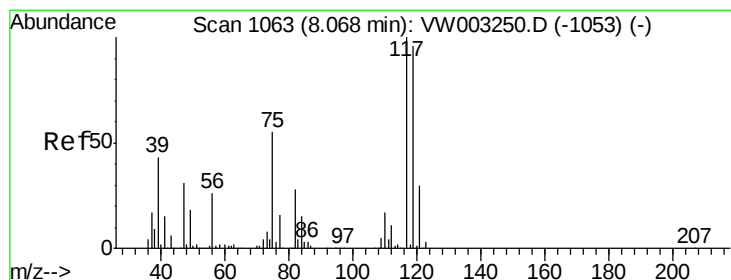
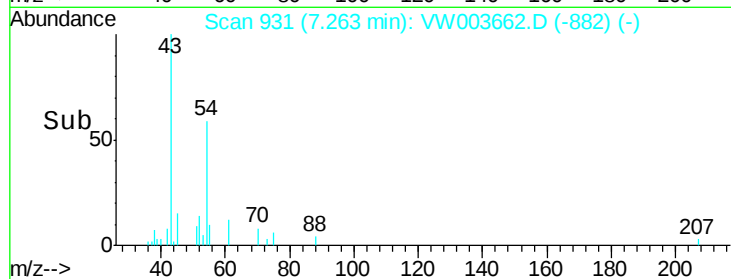
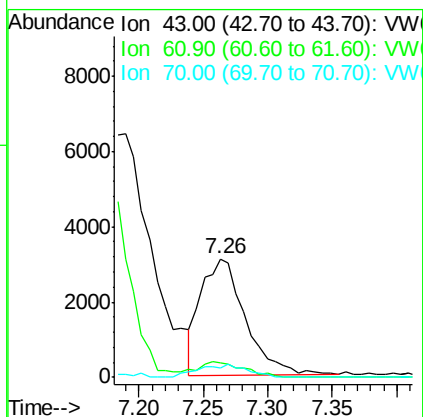
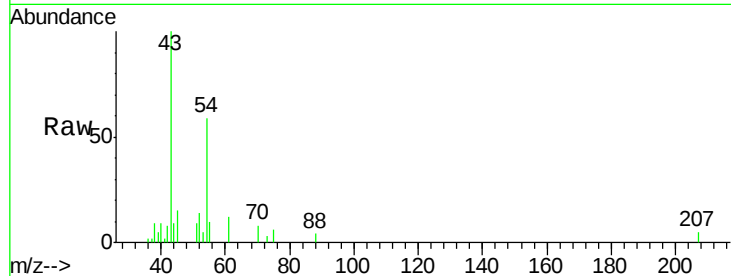




#37
Ethyl Acetate
Concen: 6.190 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

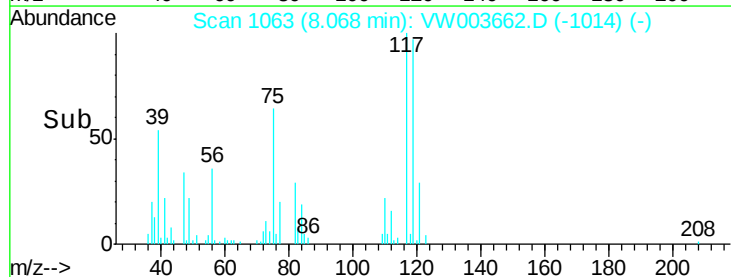
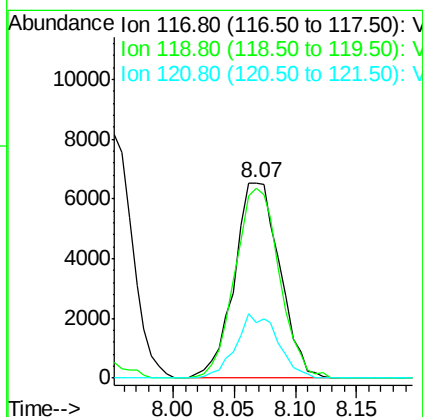
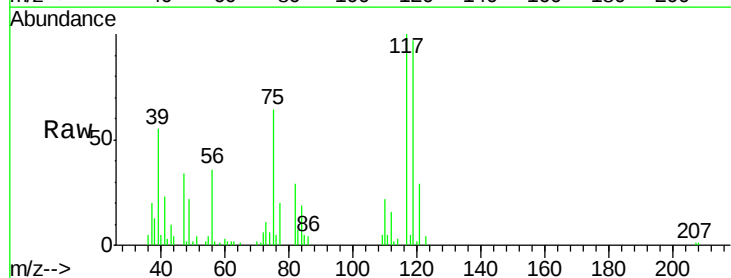
Instrument :
MSVOA_W
ClientSampled :

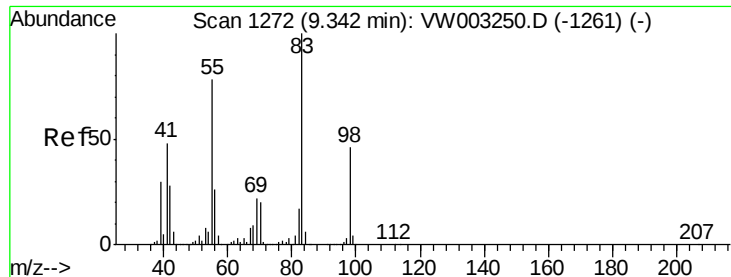
Tot Ion: 43 Resp: 7404
Ion Ratio Lower Upper
43 100
61 15.0 10.8 16.2
70 12.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 5.968 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 117 Resp: 16903
Ion Ratio Lower Upper
117 100
119 96.9 76.6 115.0
121 28.6 23.9 35.9

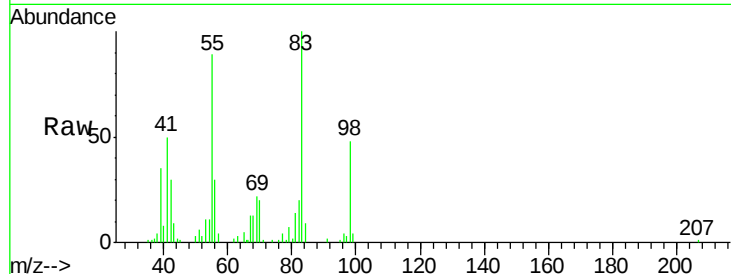




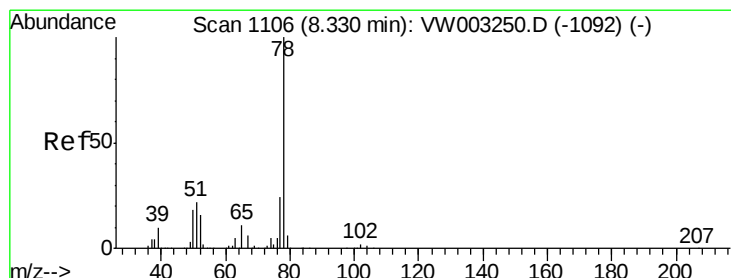
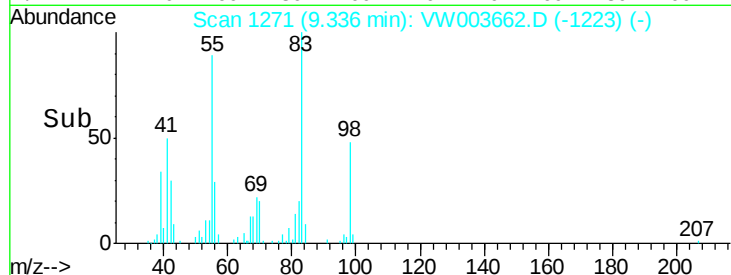
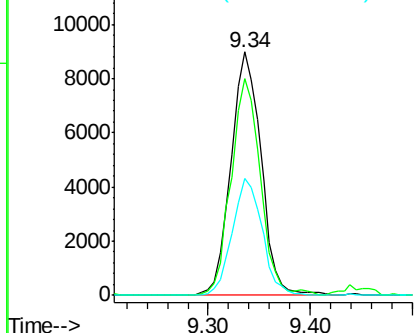
#39
Methvlcvclohexane
Concen: 5.492 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 18349
Ion Ratio Lower Upper
83 100
55 89.0 62.6 93.8
98 48.2 37.0 55.4

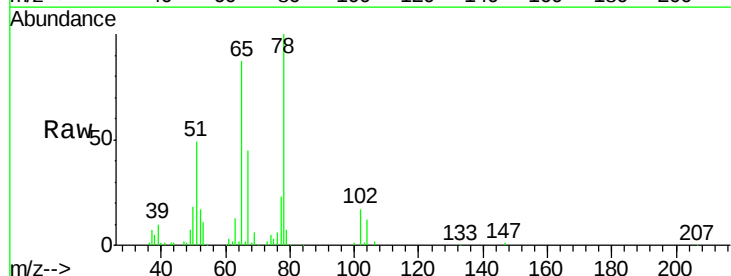


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

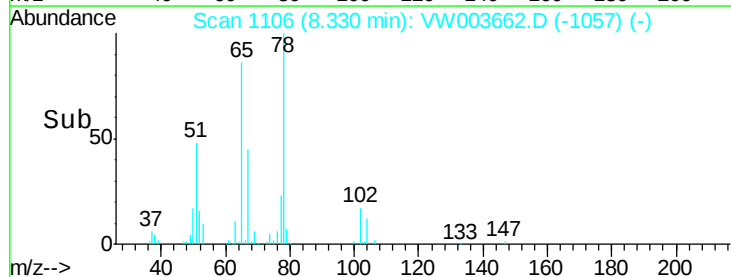
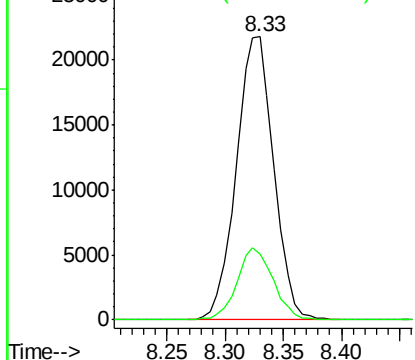


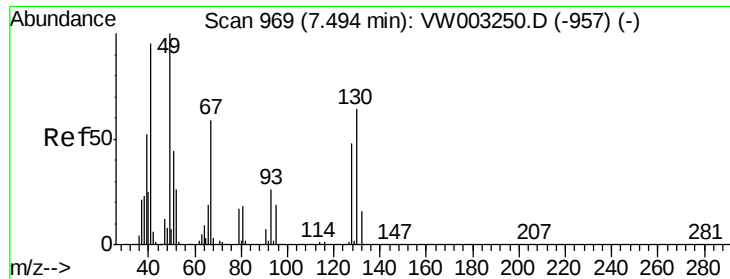
#40
Benzene
Concen: 6.122 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 78 Resp: 48723
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

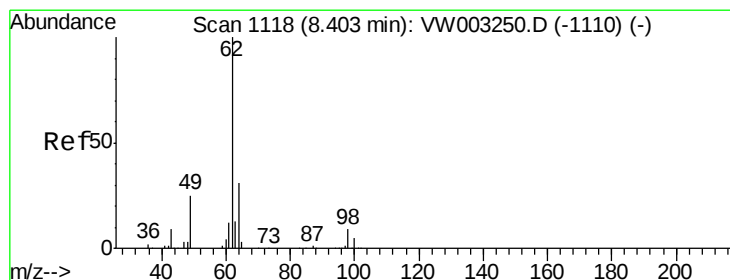
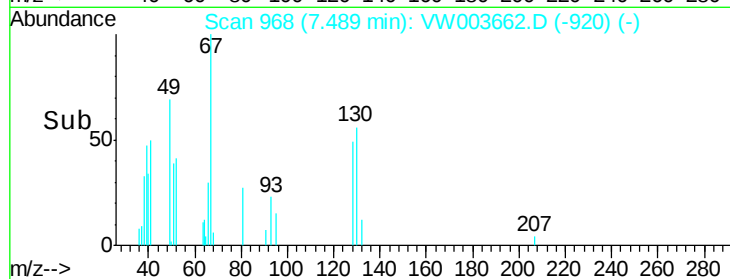
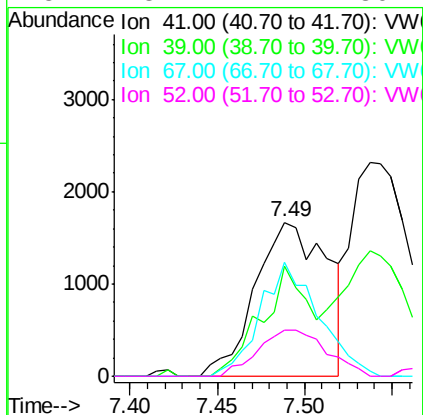
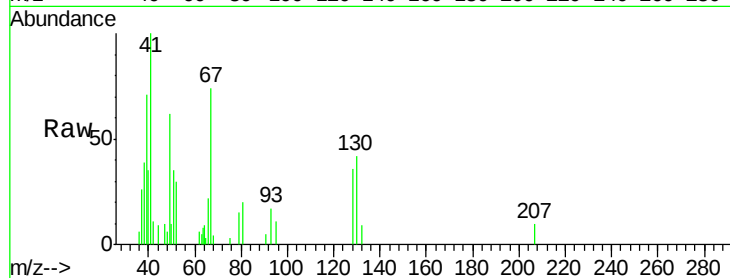




#41
Methacrylonitrile
Concen: 6.519 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

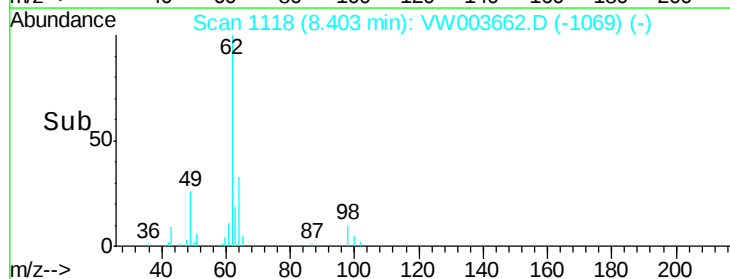
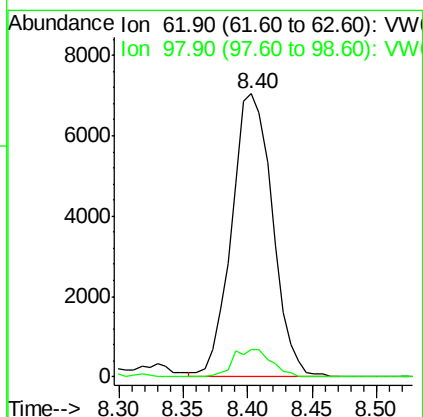
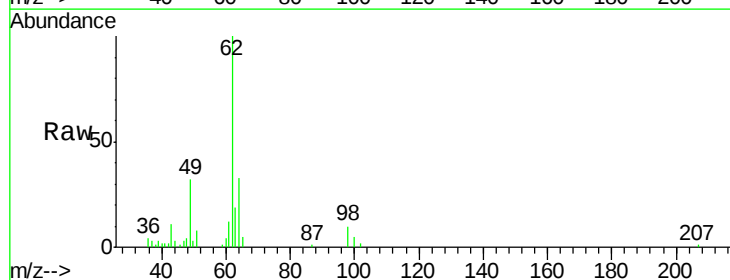
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	4785
Ion	Ratio	Lower	Upper
41	100		
39	46.8	45.8	68.8
67	60.4	52.3	78.5
52	28.7	24.1	36.1



#42
1,2-Dichloroethane
Concen: 6.224 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion:	62	Resp:	15521
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 6.284 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

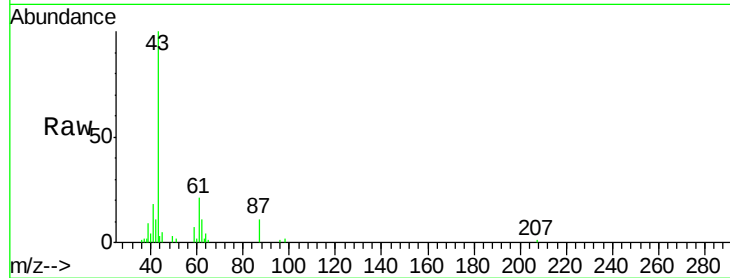
Tot Ion: 43 Resp: 14925

Ion Ratio Lower Upper

43 100

61 28.4 23.1 34.7

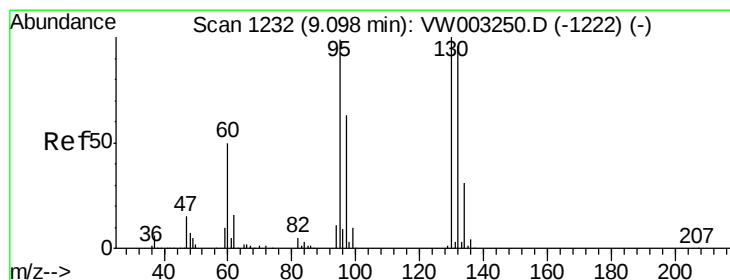
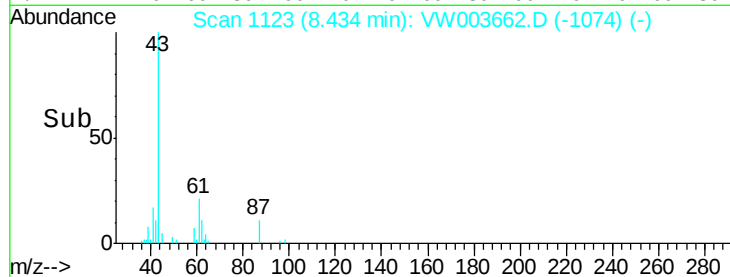
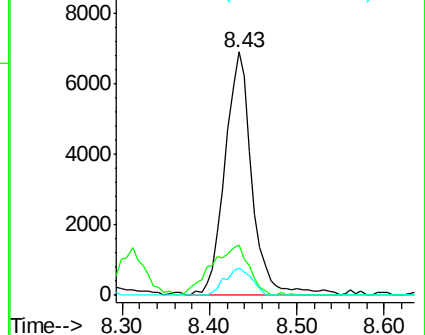
87 11.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 6.005 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003662.D

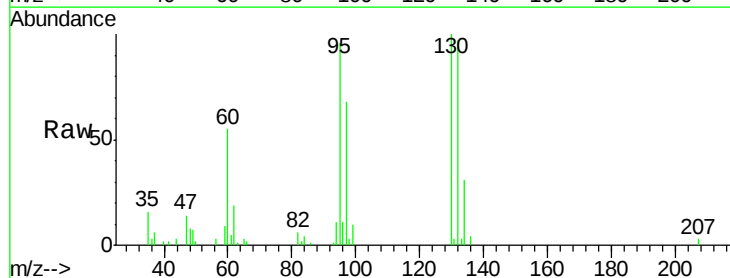
Acq: 29 Jun 2018 15:58

Tgt Ion: 130 Resp: 12664

Ion Ratio Lower Upper

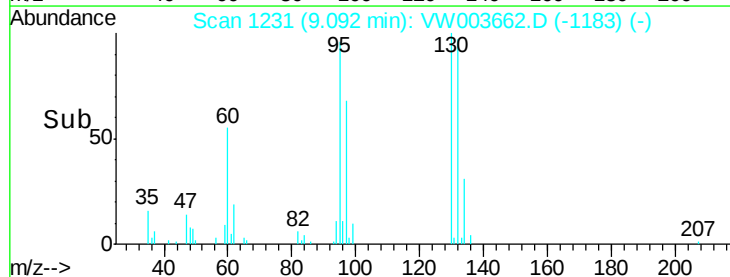
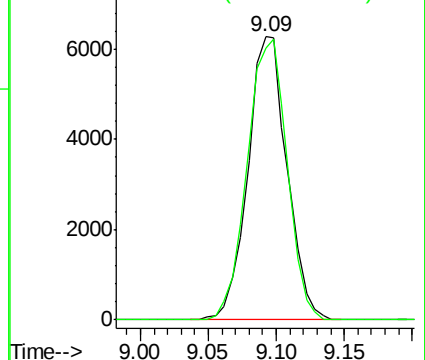
130 100

95 96.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 5.971 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

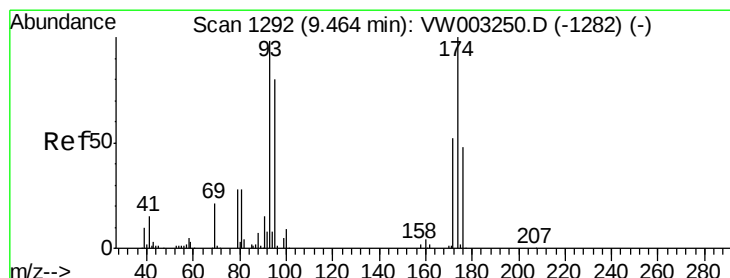
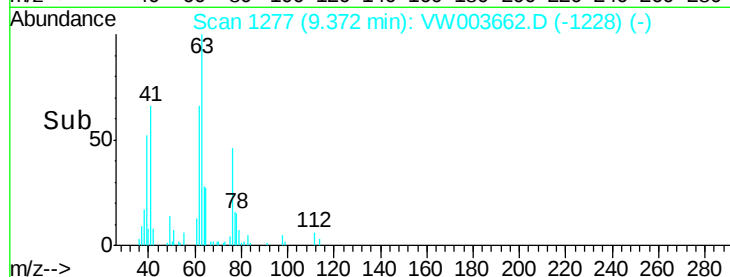
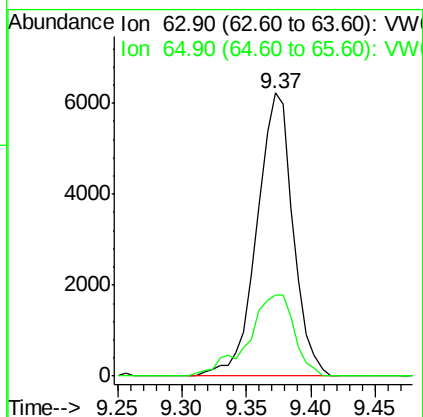
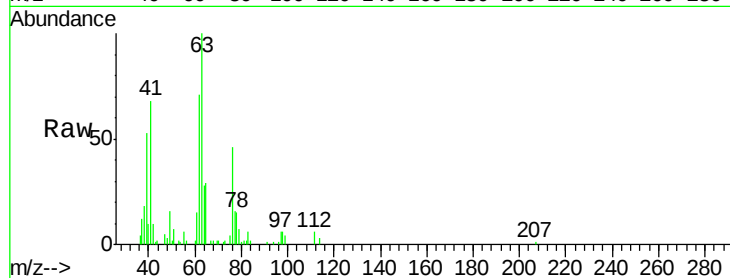
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 12100

Ion Ratio Lower Upper

63 100

65 28.7 25.1 37.7



#46

Dibromomethane

Concen: 6.290 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

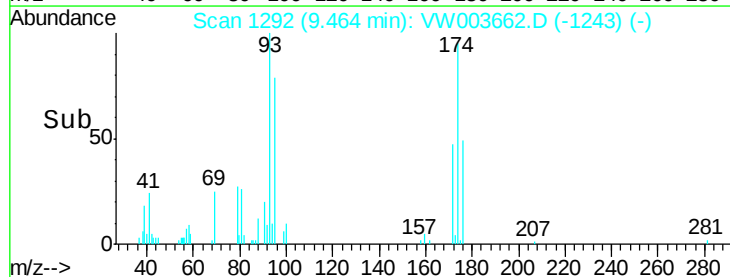
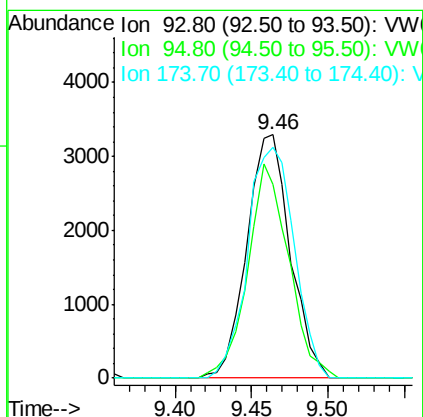
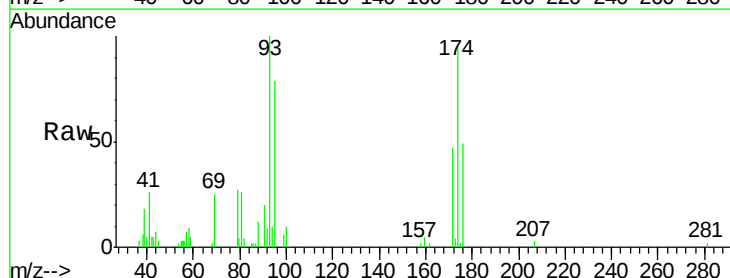
Tgt Ion: 93 Resp: 6526

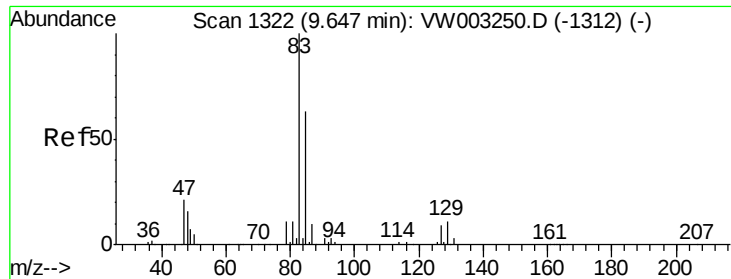
Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

174 101.1 81.4 122.0





#47

Bromodichloromethane

Concen: 5.906 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

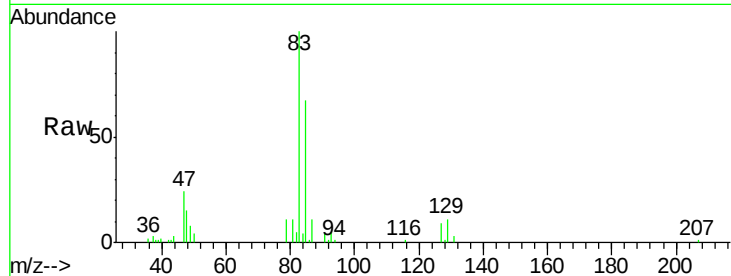
Tot Ion: 83 Resp: 15705

Ion Ratio Lower Upper

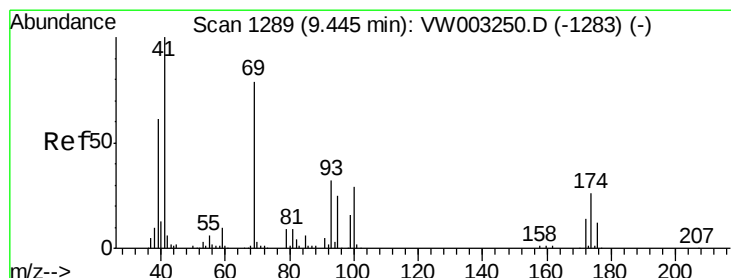
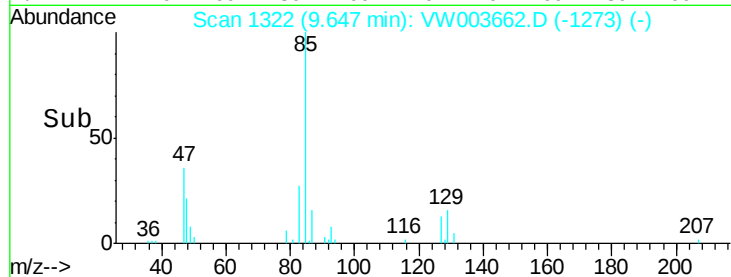
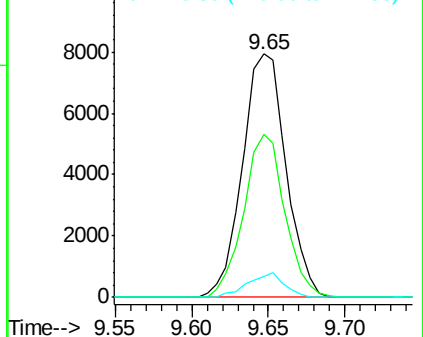
83 100

85 67.2 50.6 75.8

127 8.5 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: 5.804 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

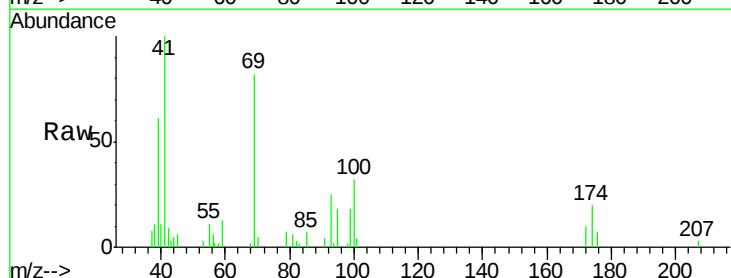
Tgt Ion: 41 Resp: 6478

Ion Ratio Lower Upper

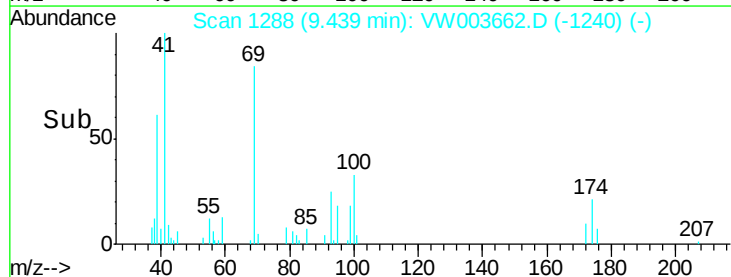
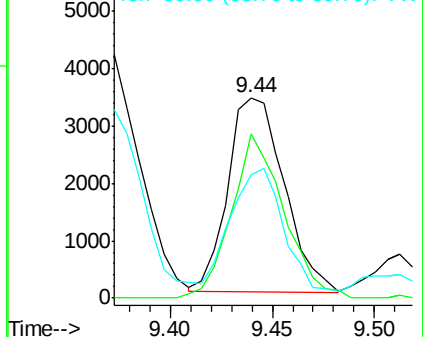
41 100

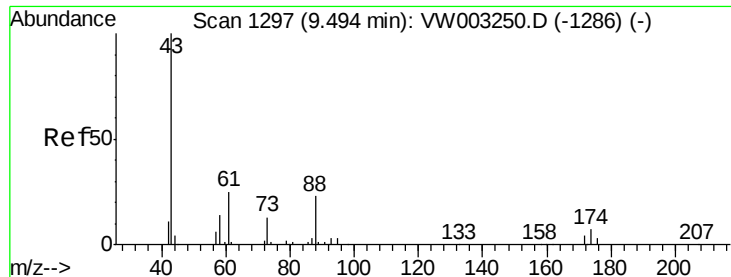
69 78.8 65.4 98.2

39 58.2 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

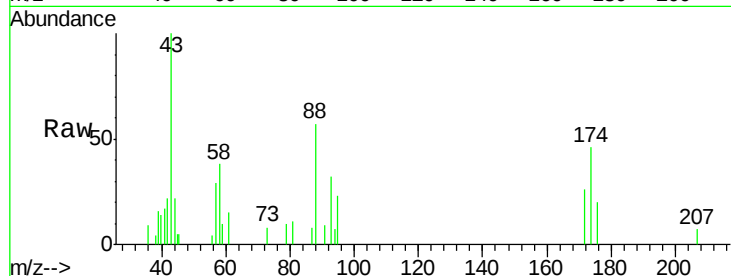




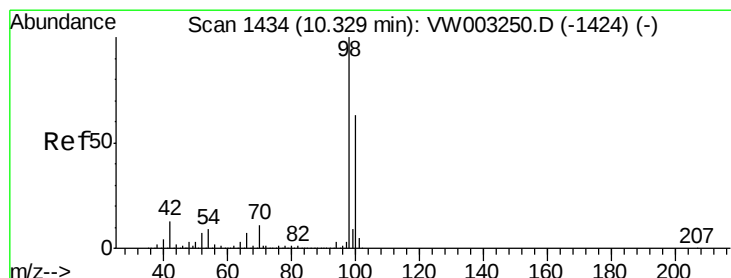
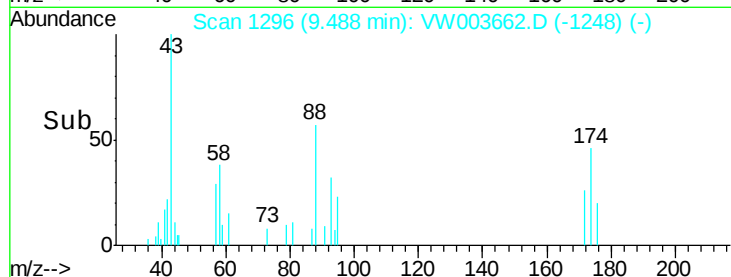
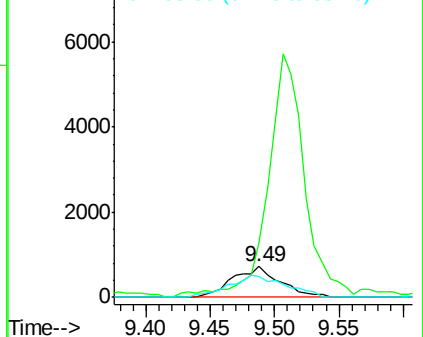
#49
1,4-Dioxane
Concen: 116.949 ug/l
RT: 9.49 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 1832
Ion Ratio Lower Upper
88 100
43 0.0 454.7 682.1#
58 87.3 58.6 88.0

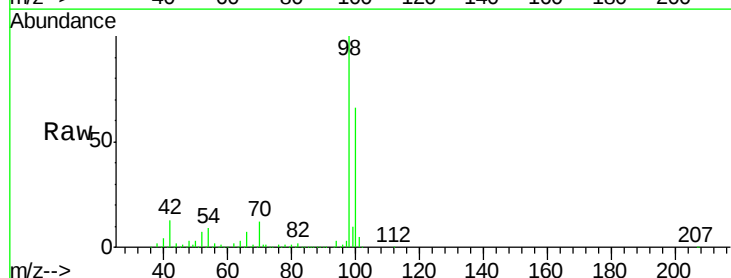


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

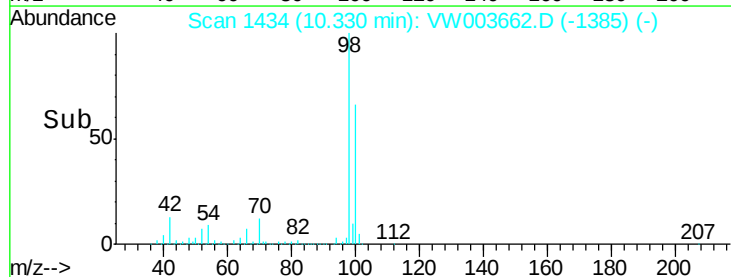
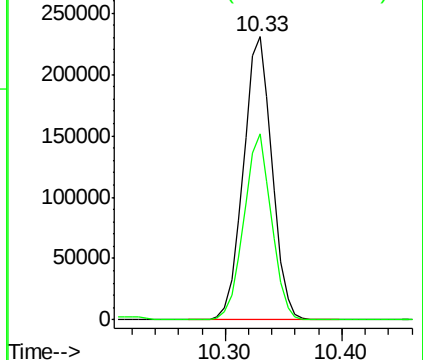


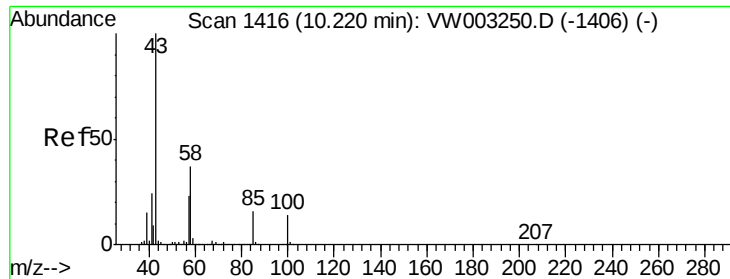
#50
Toluene-d8
Concen: 53.568 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 98 Resp: 394603
Ion Ratio Lower Upper
98 100
100 63.5 50.8 76.2



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

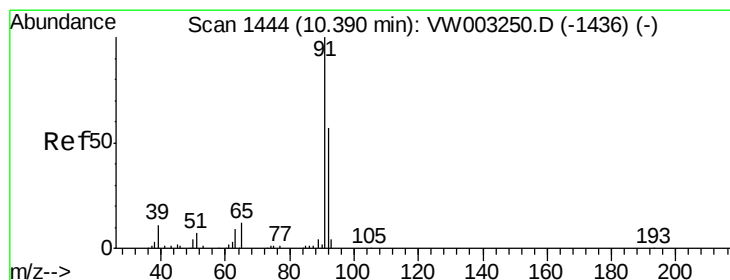
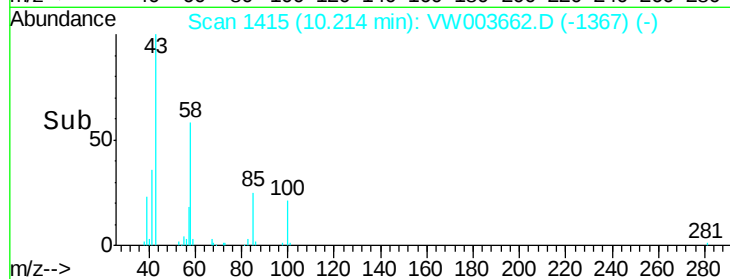
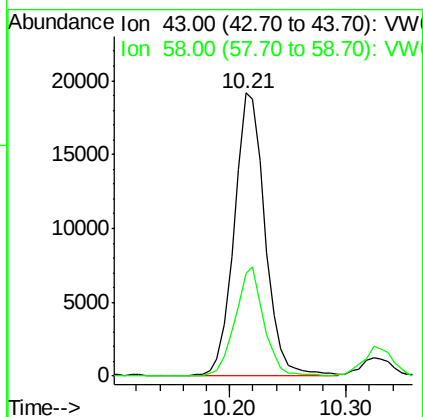
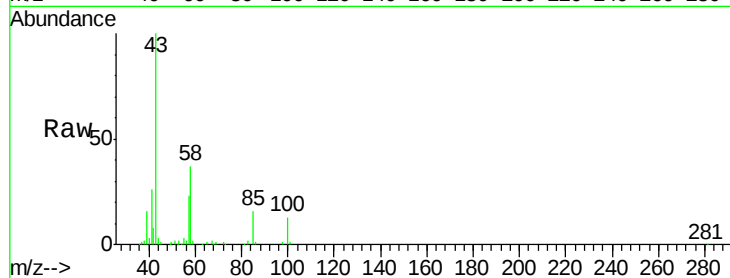




#51
4-Methyl-2-Pentanone
Concen: 29.311 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

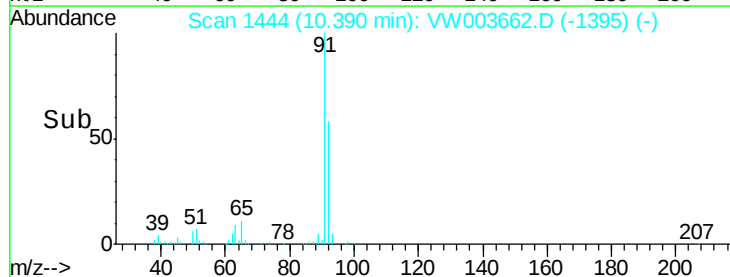
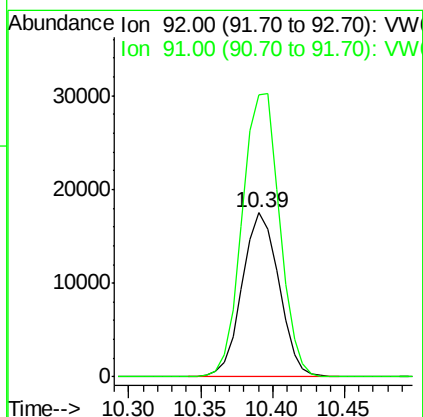
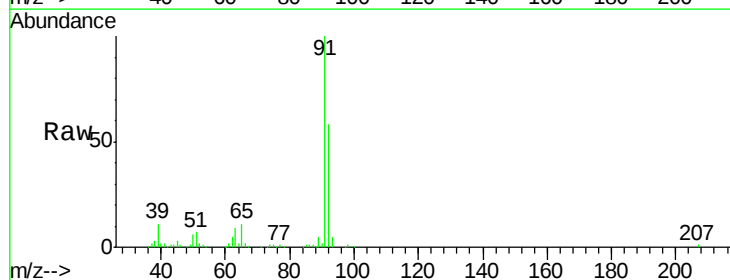
Instrument :
MSVOA_W
ClientSampled :

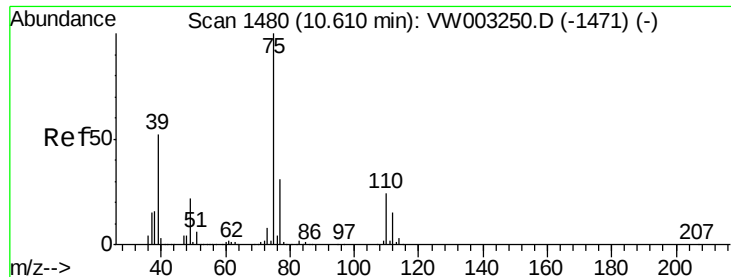
Tot Ion: 43 Resp: 35474
Ion Ratio Lower Upper
43 100
58 35.7 29.0 43.4



#52
Toluene
Concen: 6.097 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 92 Resp: 31118
Ion Ratio Lower Upper
92 100
91 175.0 141.1 211.7

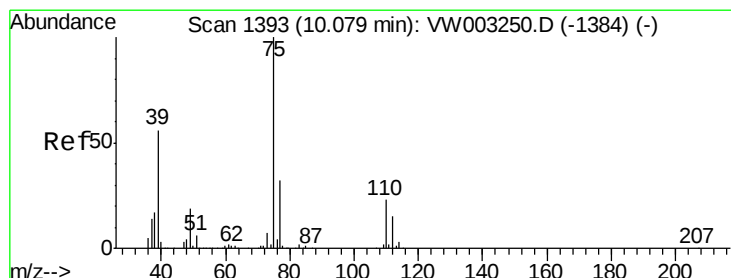
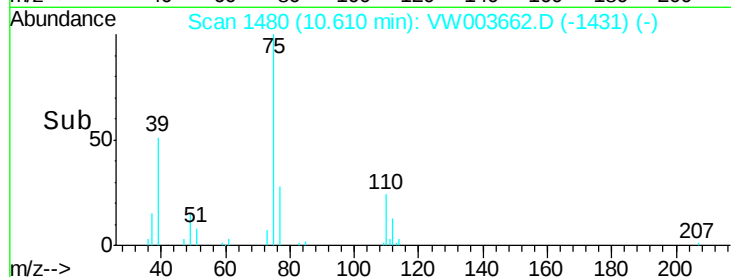
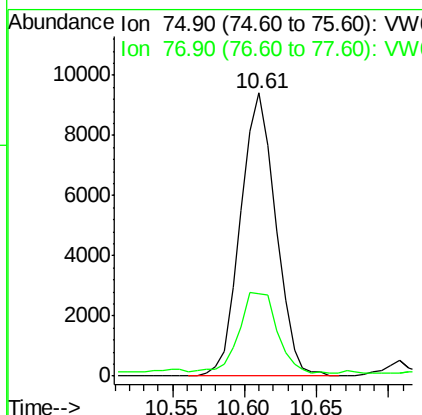
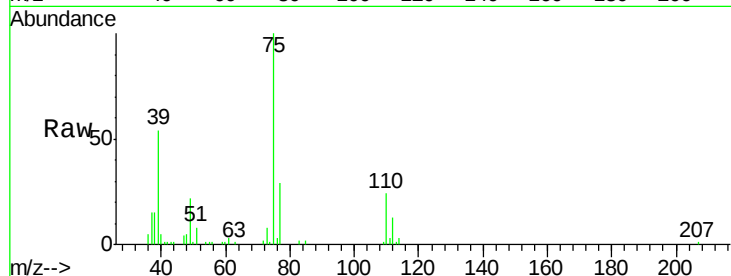




#53
 t-1,3-Dichloropropene
 Concen: 5.878 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

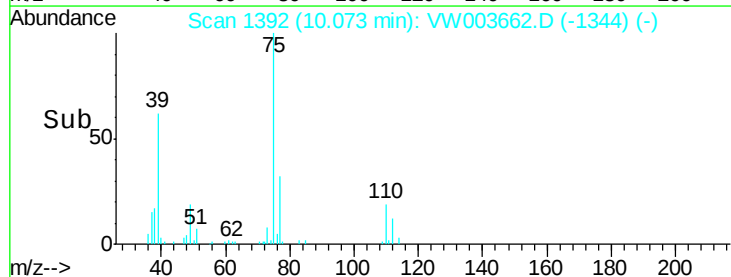
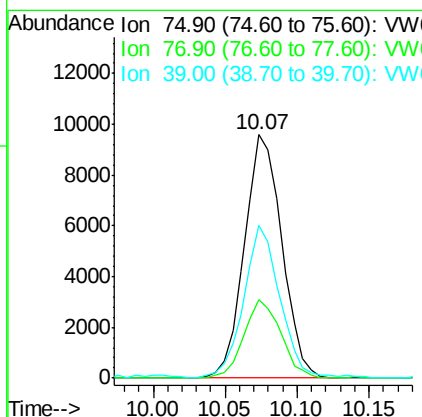
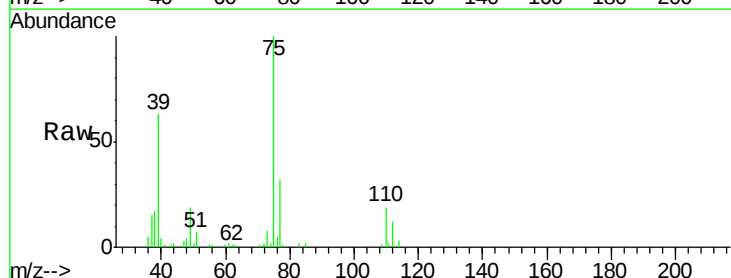
Instrument :
 MSVOA_W
 ClientSampled :

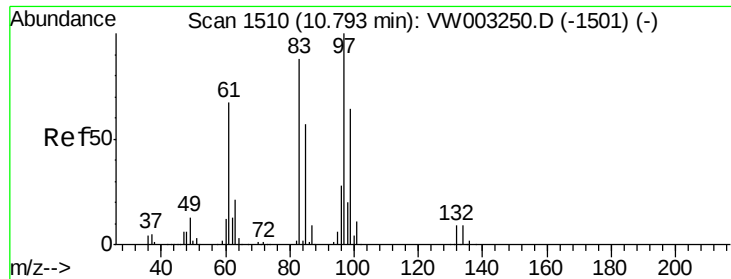
Tot Ion: 75 Resp: 15969
 Ion Ratio Lower Upper
 75 100
 77 28.0 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 5.574 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion: 75 Resp: 17233
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.6
 39 62.9 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 6.296 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 9205

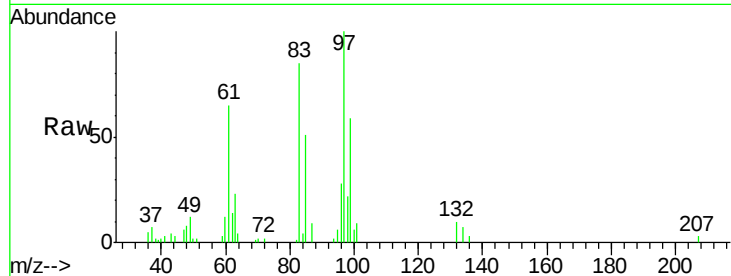
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.2	105.2
85	51.1	45.6	68.4
99	59.0	51.2	76.8

97 100

83 85.5 70.2 105.2

85 51.1 45.6 68.4

99 59.0 51.2 76.8



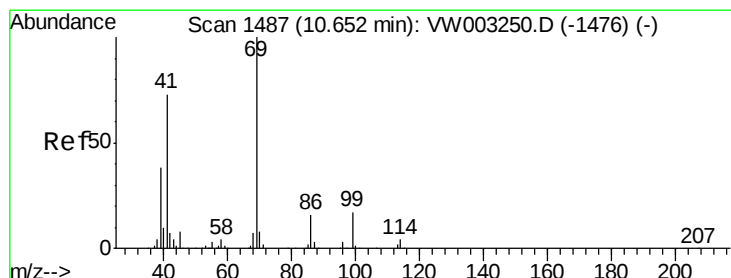
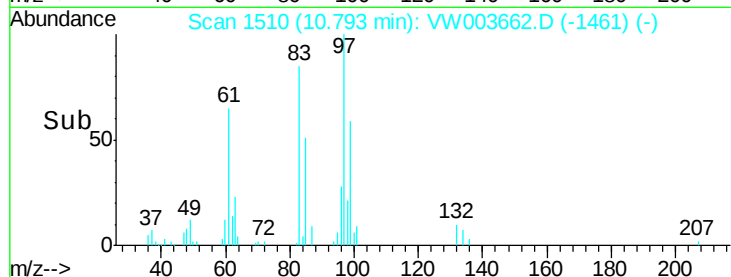
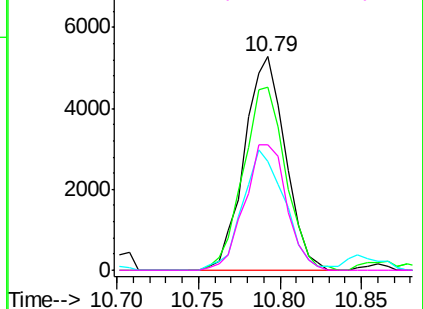
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 5.308 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

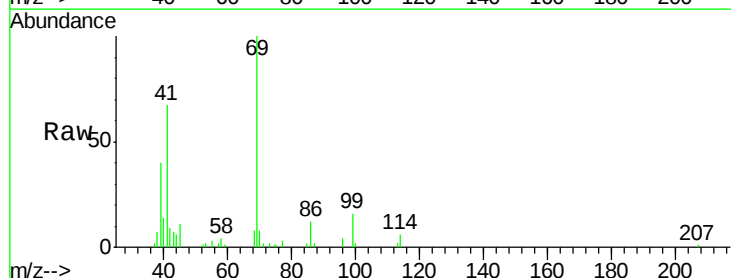
Tgt Ion: 69 Resp: 9423

Ion	Ratio	Lower	Upper
69	100		
41	76.0	57.8	86.6
39	40.1	32.7	49.1

69 100

41 76.0 57.8 86.6

39 40.1 32.7 49.1

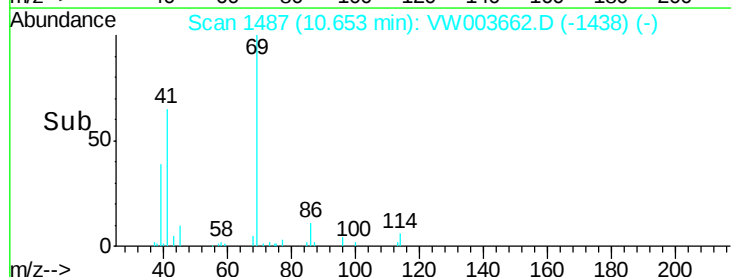
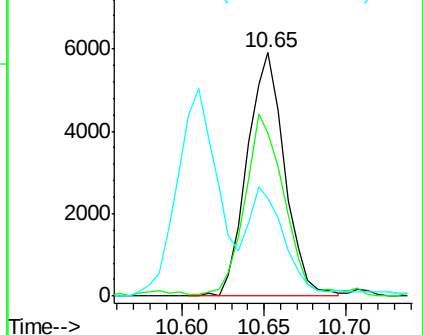


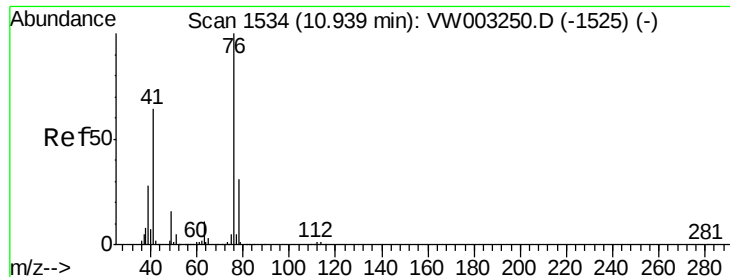
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 6.190 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

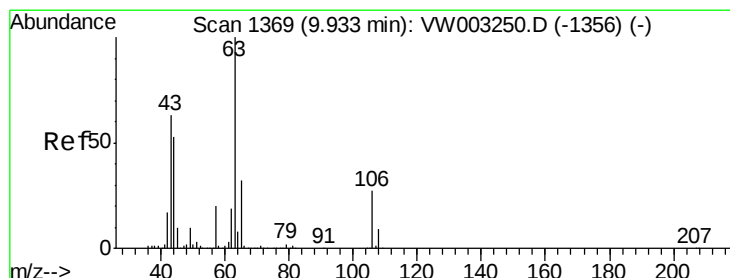
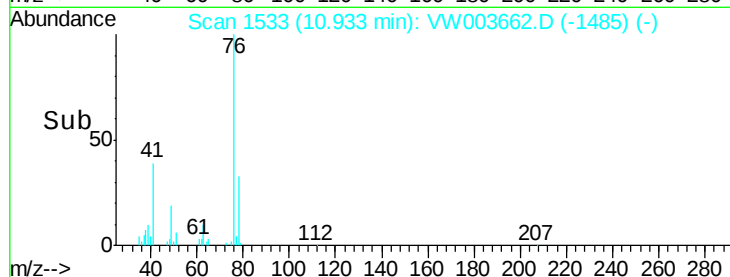
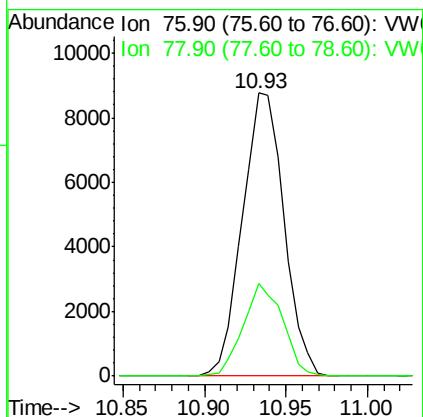
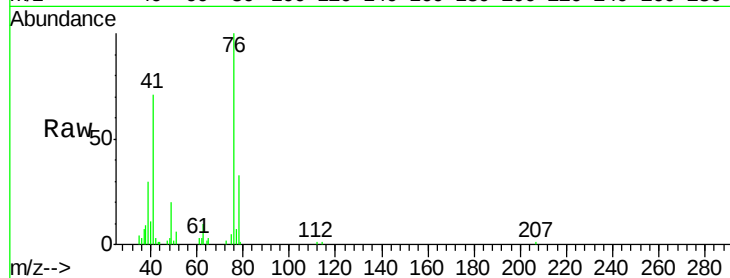
ClientSampleId :

Tot Ion: 76 Resp: 15608

Ion Ratio Lower Upper

76 100

78 31.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 27.956 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW003662.D

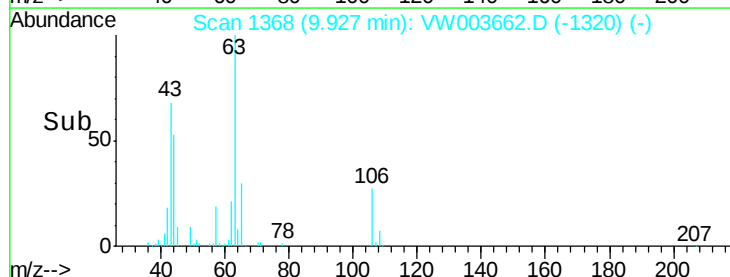
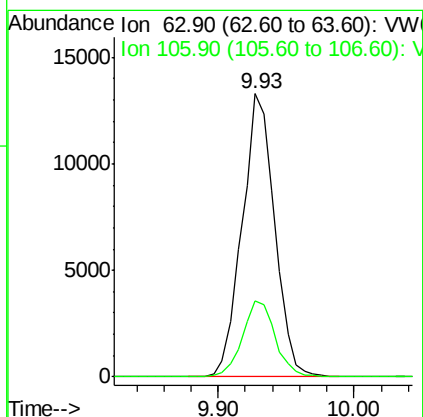
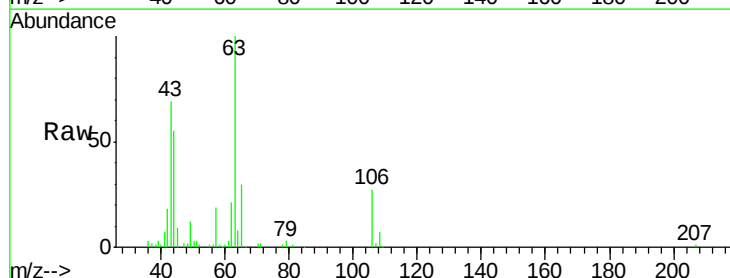
Acq: 29 Jun 2018 15:58

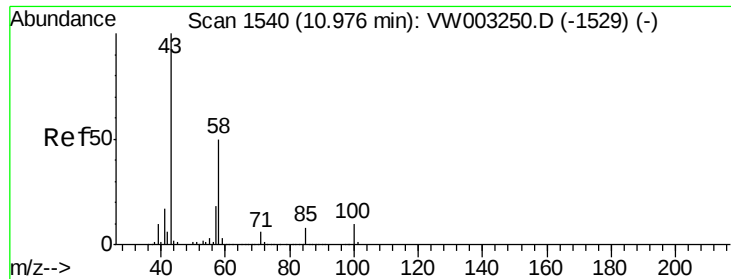
Tgt Ion: 63 Resp: 22248

Ion Ratio Lower Upper

63 100

106 27.0 21.8 32.8

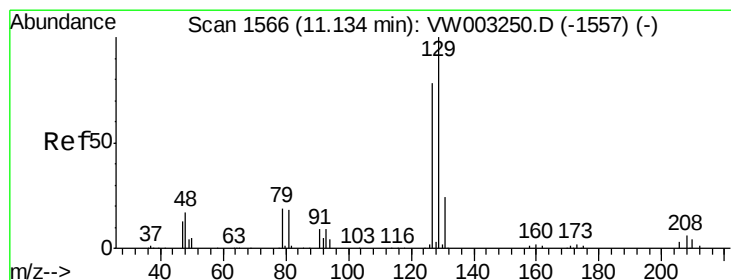
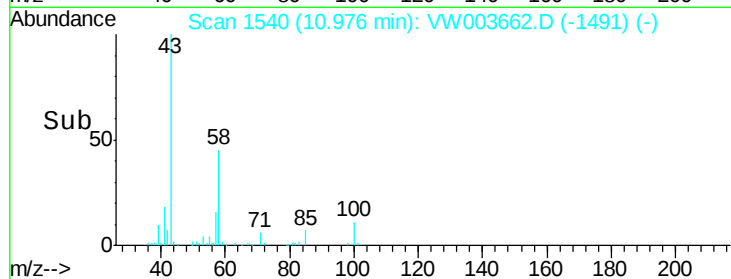
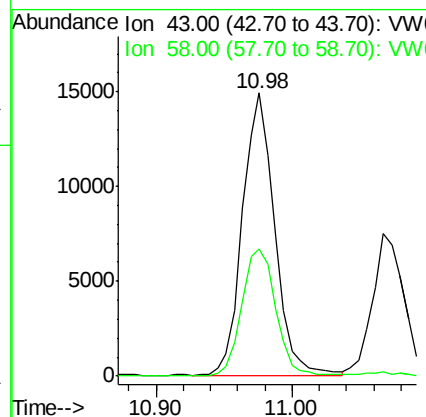
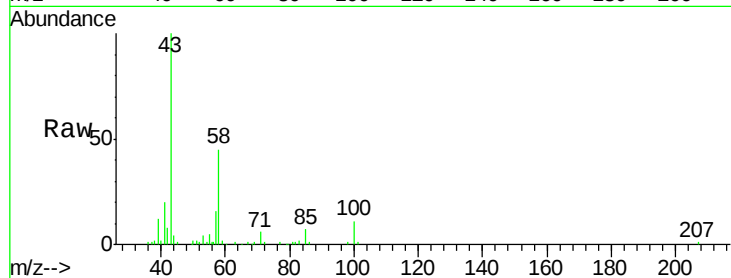




#59
2-Hexanone
Concen: 29.368 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

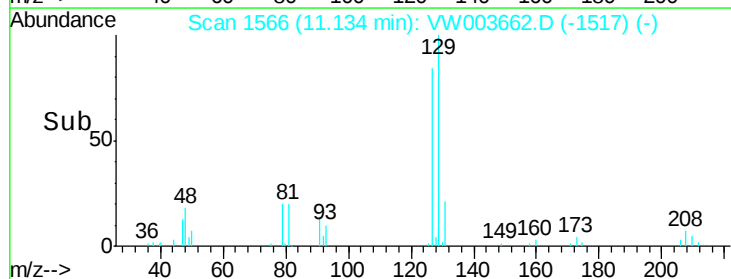
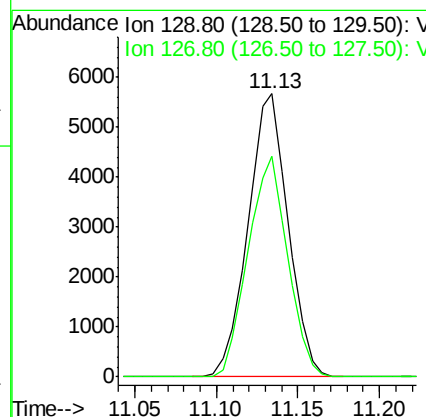
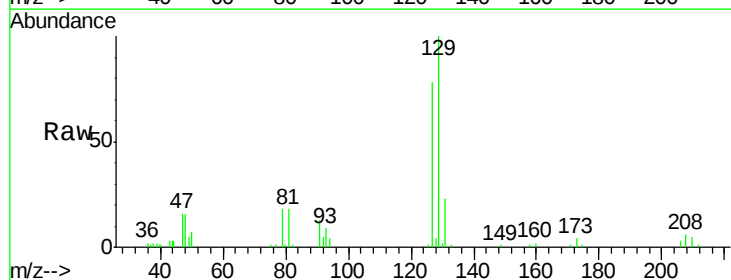
Instrument :
MSVOA_W
ClientSampleId :

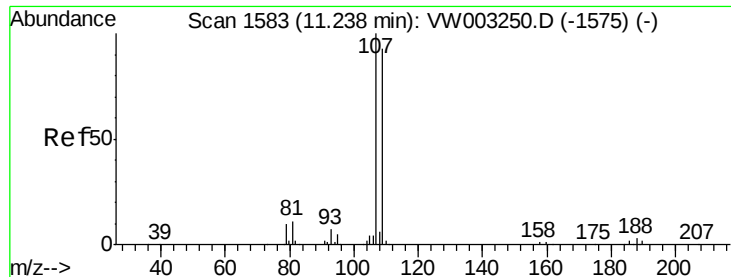
Tot Ion: 43 Resp: 24830
Ion Ratio Lower Upper
43 100
58 47.3 25.0 75.0



#60
Dibromochloromethane
Concen: 5.558 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 129 Resp: 9663
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.5





#61

1,2-Dibromoethane

Concen: 6.088 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

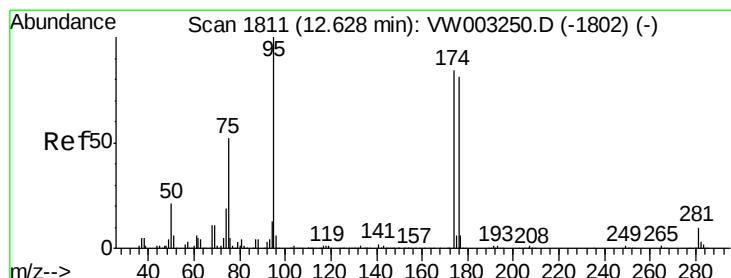
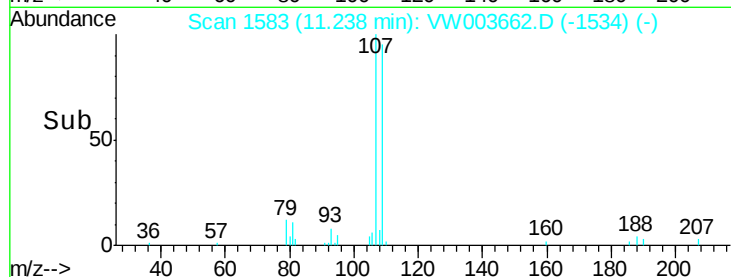
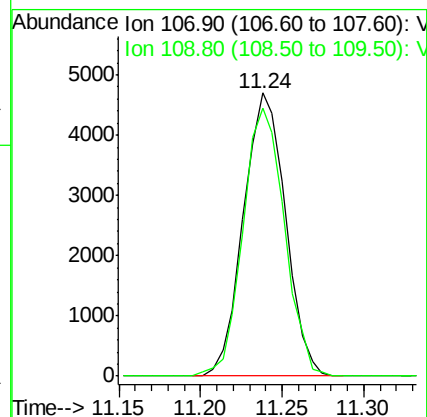
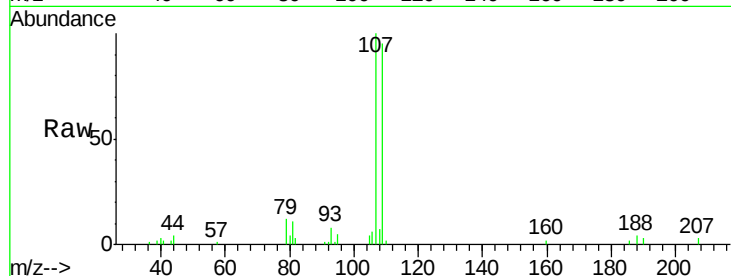
ClientSampled :

Tot Ion: 107 Resp: 8419

Ion Ratio Lower Upper

107 100

109 93.4 75.8 113.6



#62

4-Bromofluorobenzene

Concen: 54.469 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

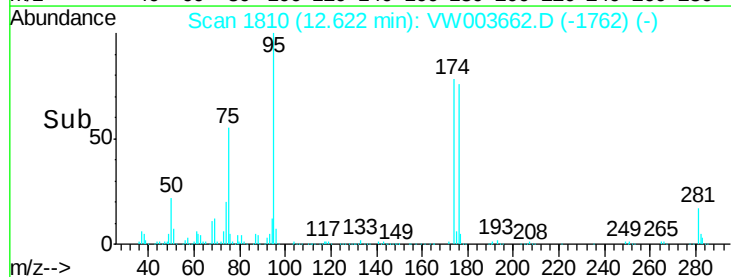
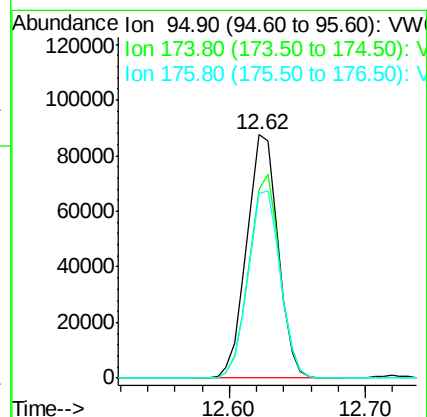
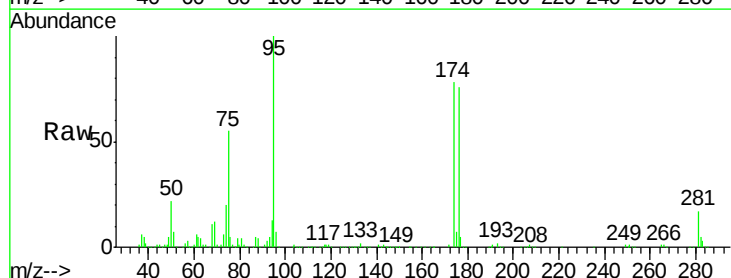
Tgt Ion: 95 Resp: 141997

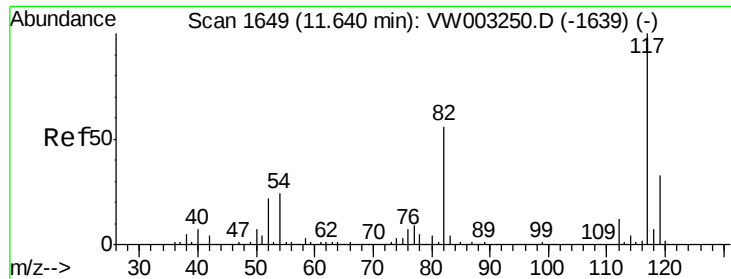
Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.4

176 78.8 0.0 162.0

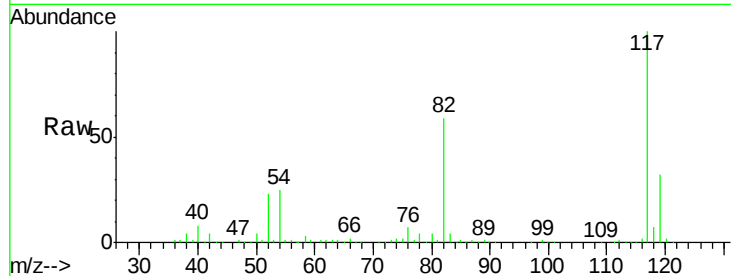




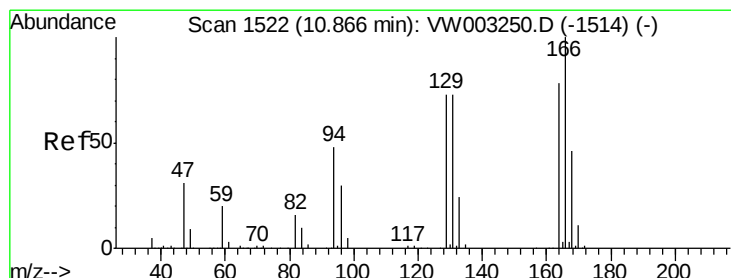
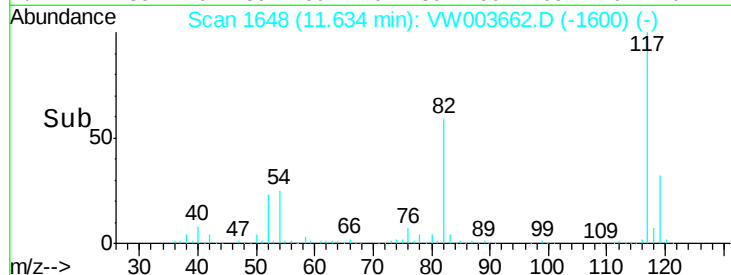
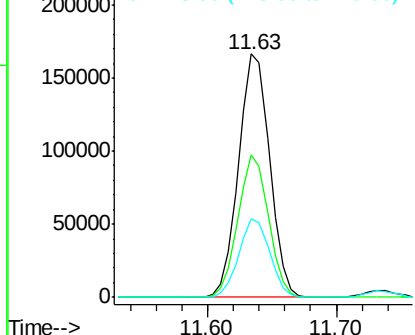
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 278367
Ion Ratio Lower Upper
117 100
82 58.6 44.6 67.0
119 32.4 26.7 40.1

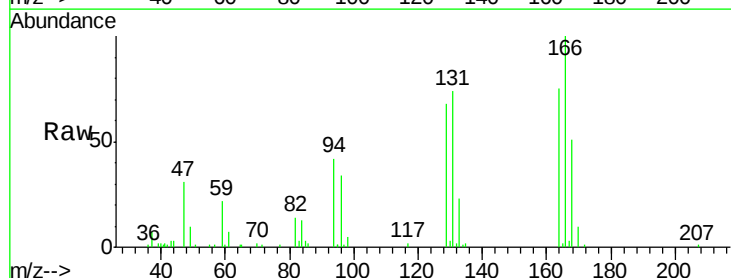


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

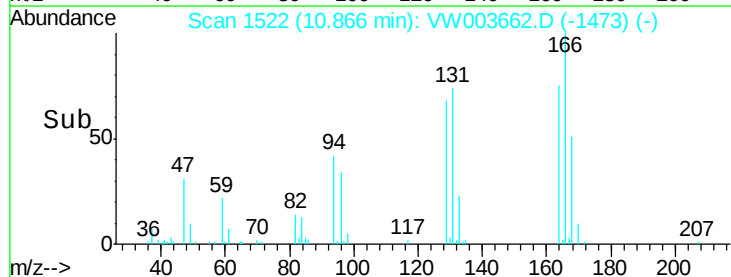
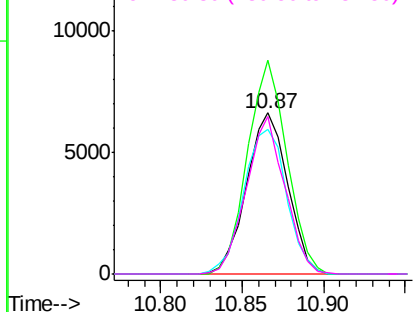


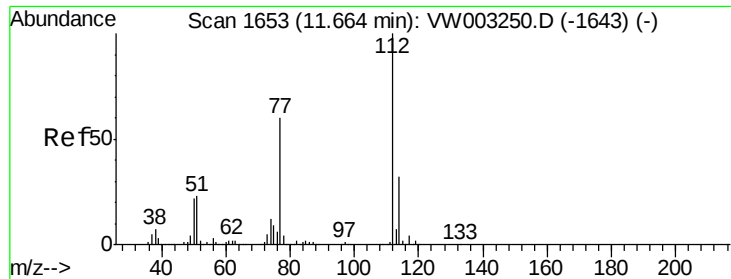
#64
Tetrachloroethene
Concen: 6.246 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion:164 Resp: 11630
Ion Ratio Lower Upper
164 100
166 132.5 102.6 154.0
129 89.9 75.2 112.8
131 97.8 75.0 112.4



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

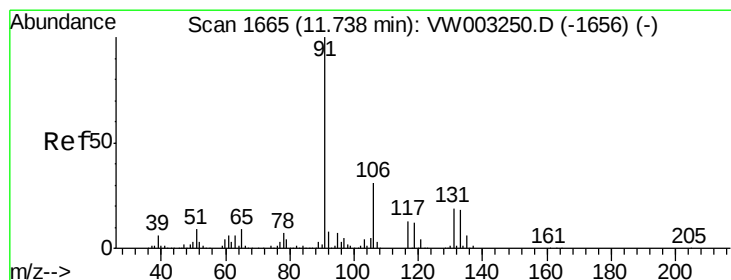
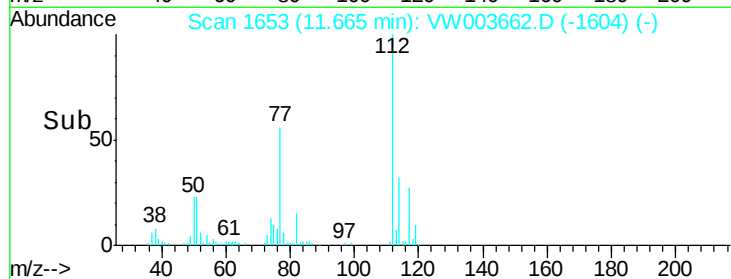
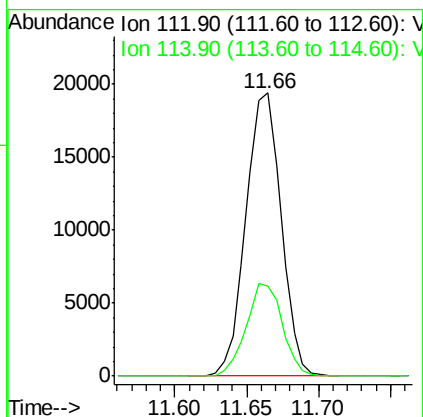
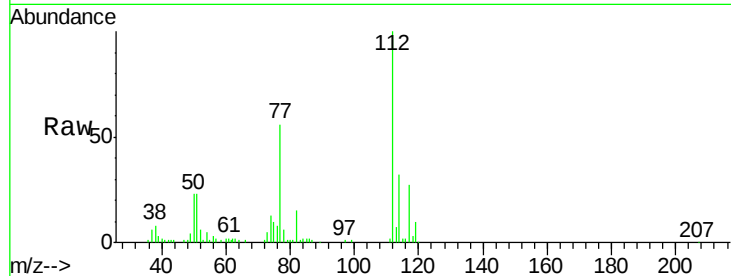




#65
Chlorobenzene
Concen: 5.679 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

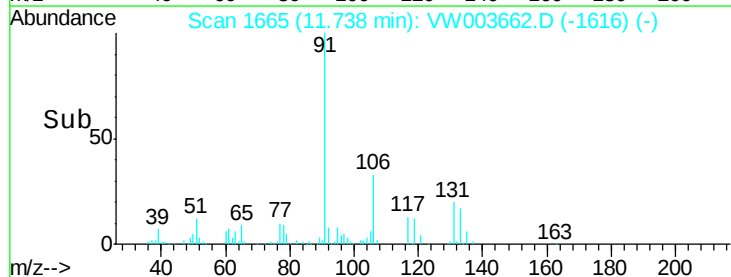
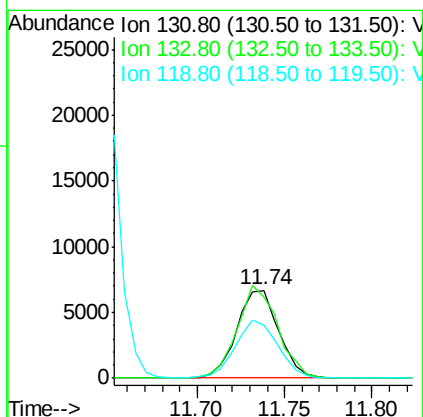
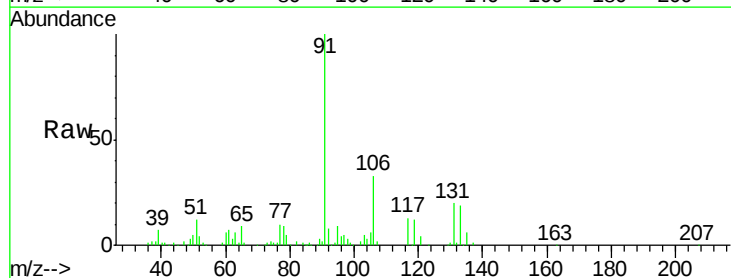
Instrument :
MSVOA_W
ClientSampleId :

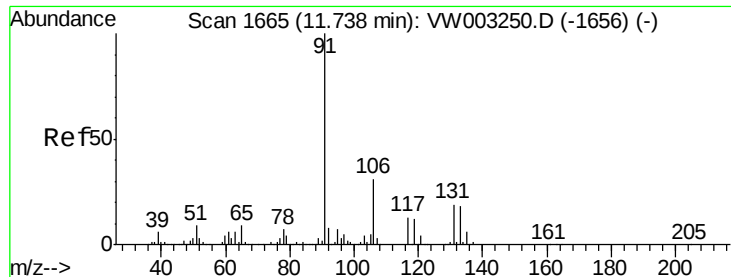
Tot Ion:112 Resp: 32922
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.449 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion:131 Resp: 11100
Ion Ratio Lower Upper
131 100
133 102.5 47.3 142.0
119 67.4 32.5 97.4

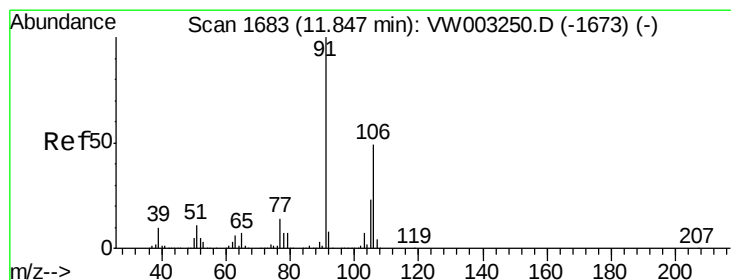
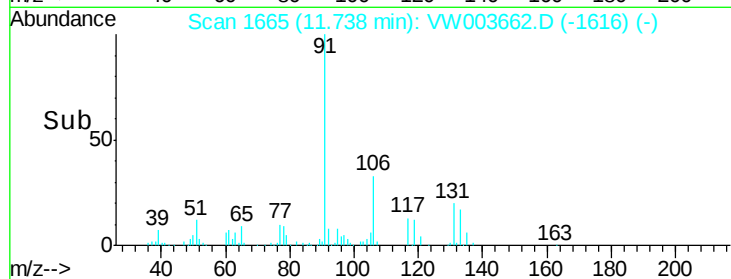
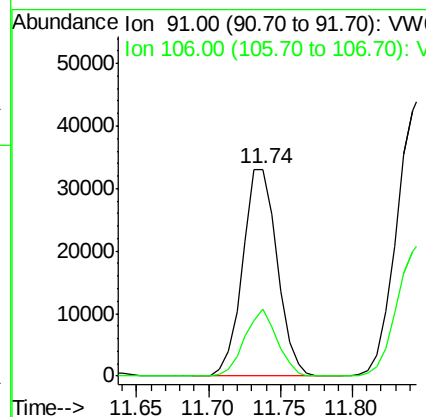
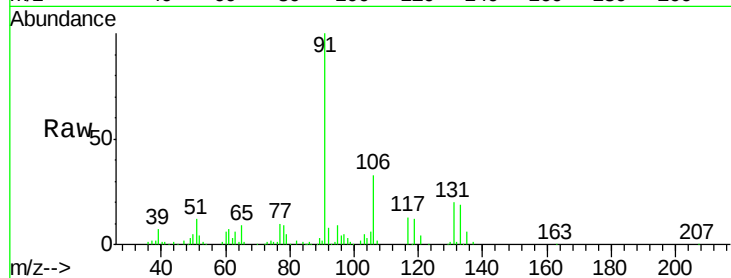




#67
Ethyl Benzene
Concen: 5.373 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

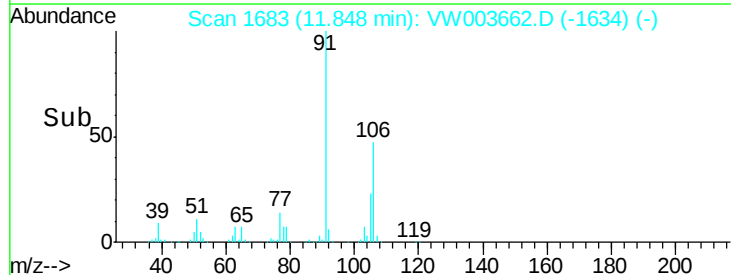
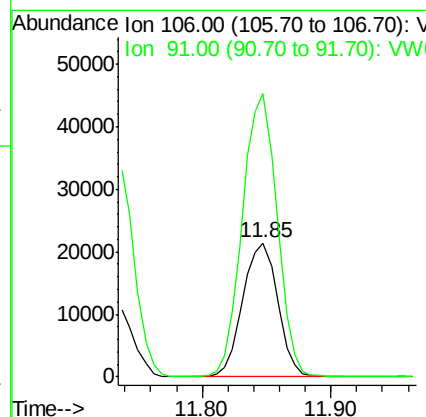
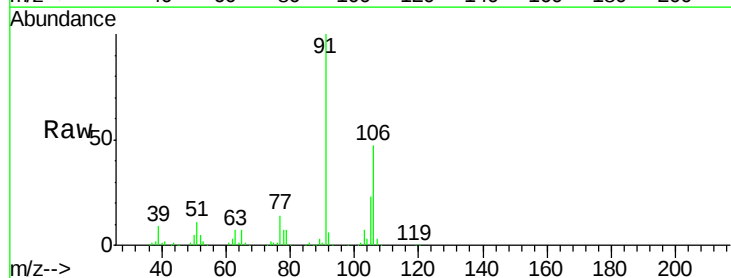
Instrument :
MSVOA_W
ClientSampleId :

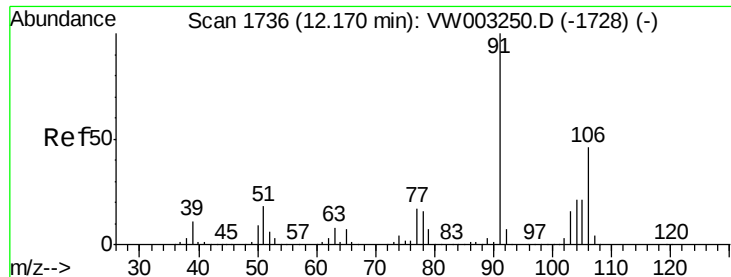
Tot Ion: 91 Resp: 55208
Ion Ratio Lower Upper
91 100
106 32.5 24.7 37.1



#68
m/p-Xylenes
Concen: 10.303 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 106 Resp: 40246
Ion Ratio Lower Upper
106 100
91 210.0 165.4 248.0

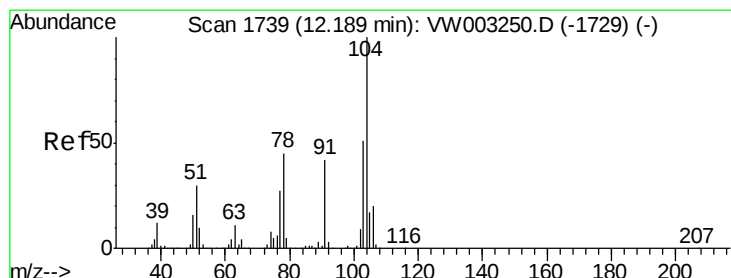
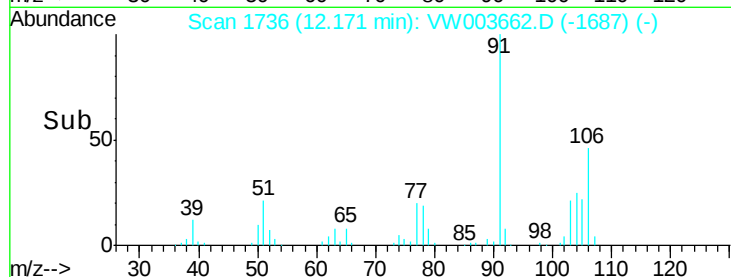
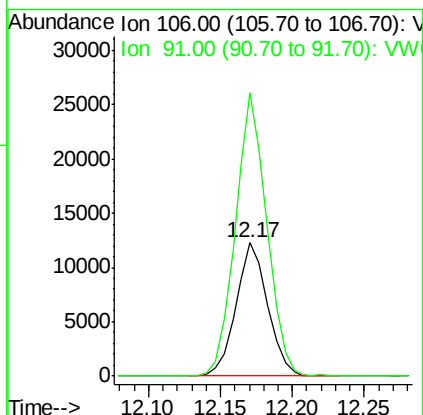
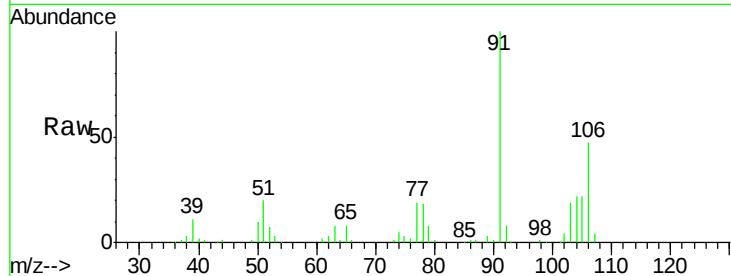




#69
o-Xylene
Concen: 5.176 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

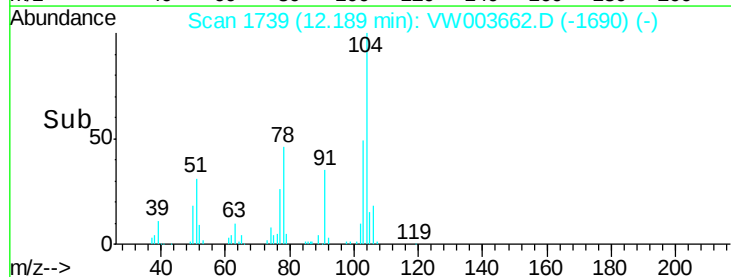
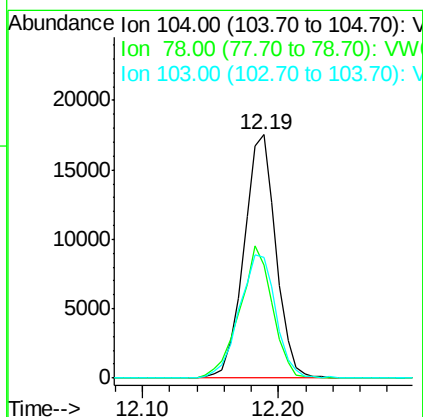
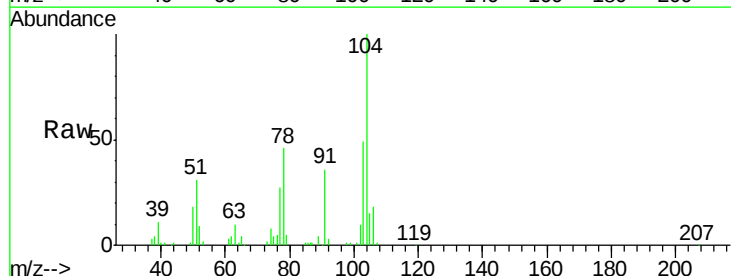
Instrument :
MSVOA_W
ClientSampleId :

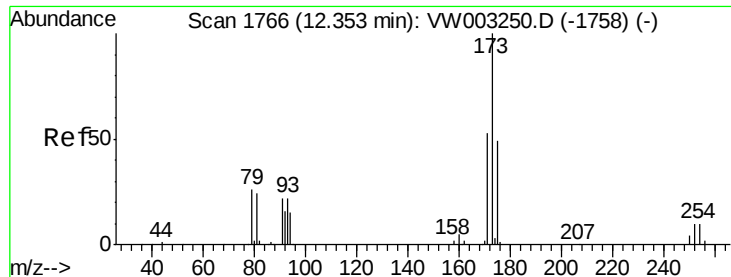
Tot Ion:106 Resp: 18738
Ion Ratio Lower Upper
106 100
91 210.6 108.6 325.6



#70
Styrene
Concen: 4.760 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion:104 Resp: 28683
Ion Ratio Lower Upper
104 100
78 55.9 41.3 61.9
103 58.1 45.0 67.4





#71

Bromoform

Concen: 5.549 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

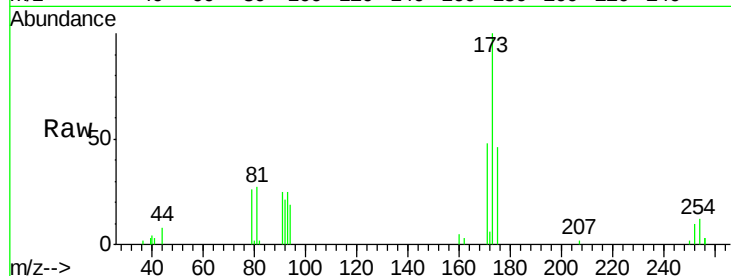
Tot Ion:173 Resp: 5858

Ion Ratio Lower Upper

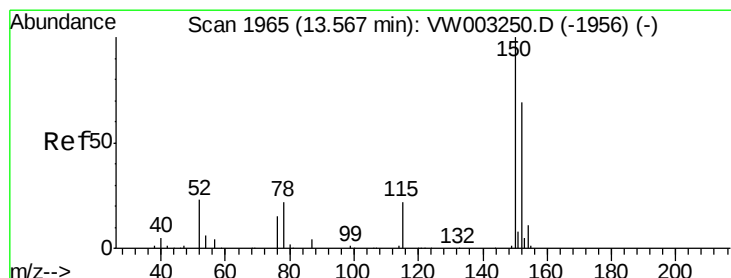
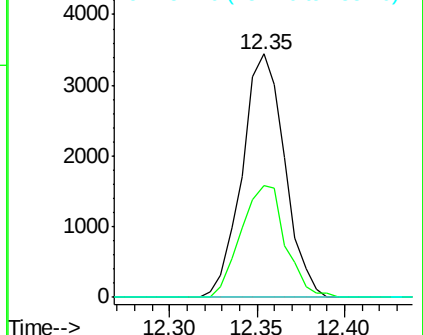
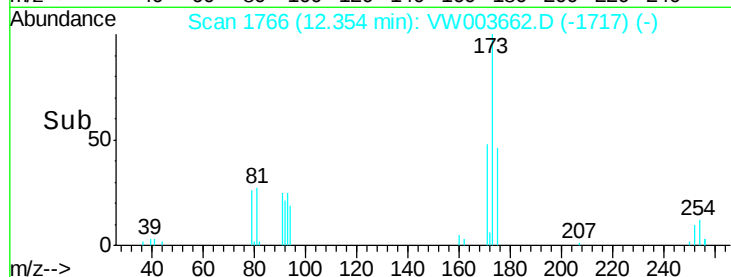
173 100

175 48.1 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: VW003662.D

Acq: 29 Jun 2018 15:58

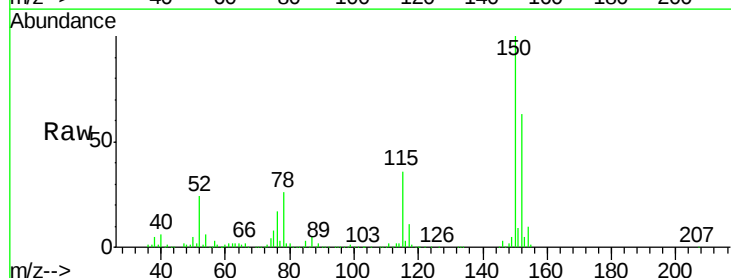
Tgt Ion:152 Resp: 147179

Ion Ratio Lower Upper

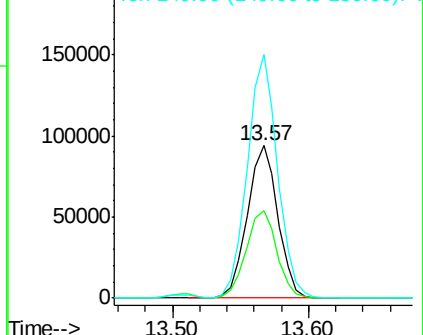
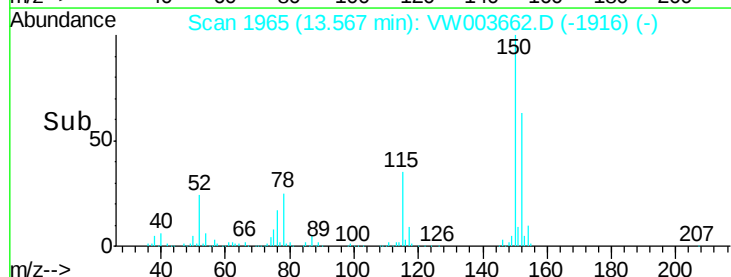
152 100

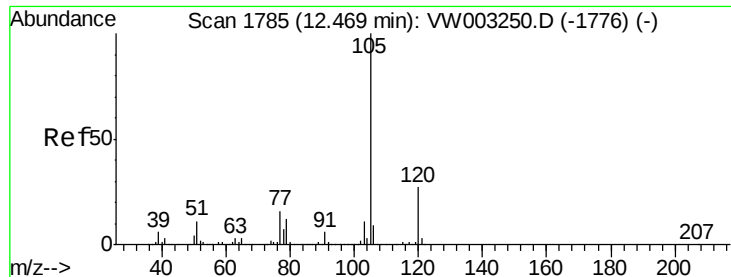
115 58.1 29.3 88.0

150 158.2 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

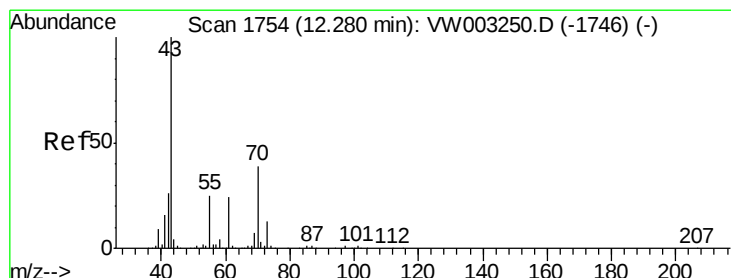
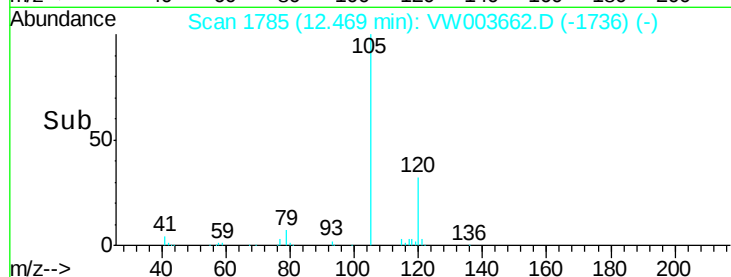
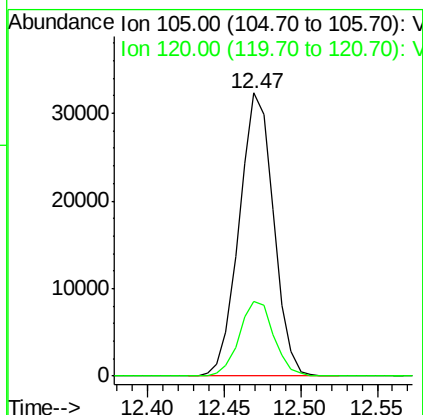
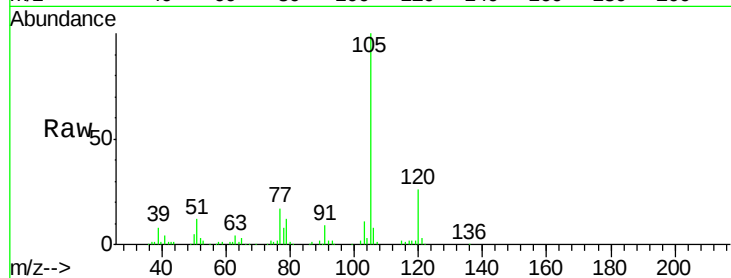




#73
Isopropylbenzene
Concen: 4.918 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

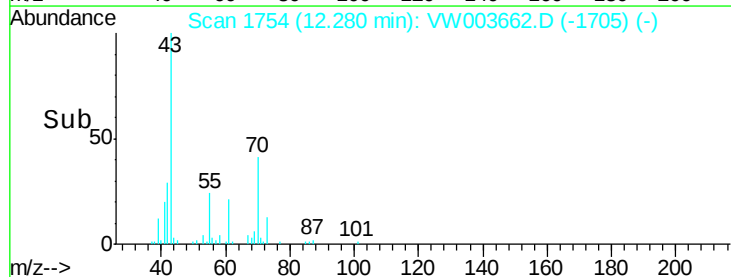
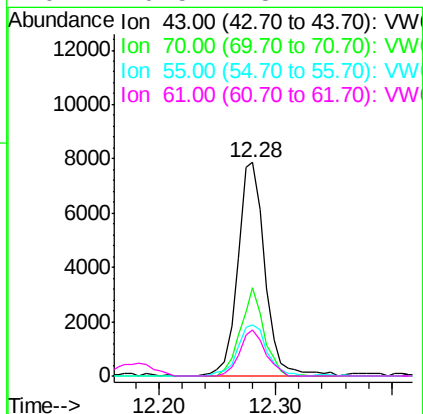
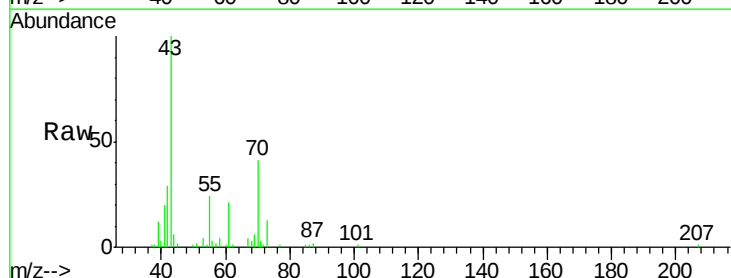
Instrument :
MSVOA_W
ClientSampleId :

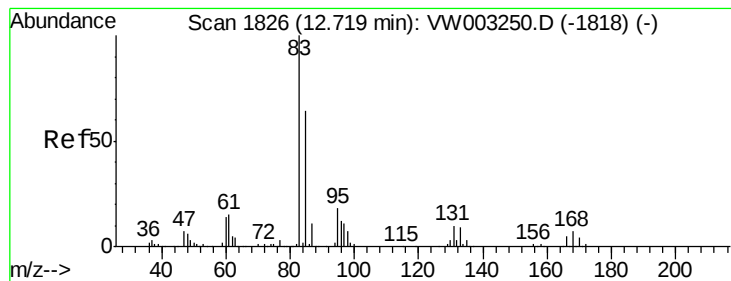
Tot Ion:105 Resp: 50350
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6



#74
N-ethyl acetate
Concen: 5.472 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 43 Resp: 12751
Ion Ratio Lower Upper
43 100
70 35.3 31.0 46.6
55 25.9 19.7 29.5
61 20.5 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 6.332 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

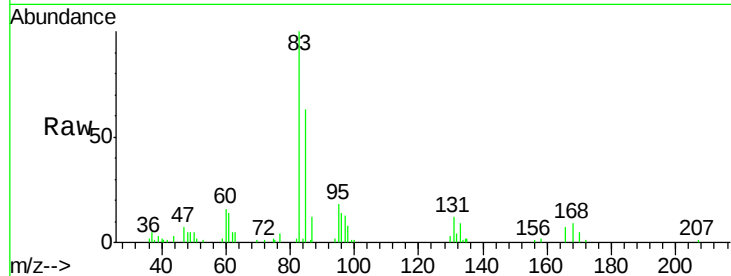
Tot Ion: 83 Resp: 10966

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

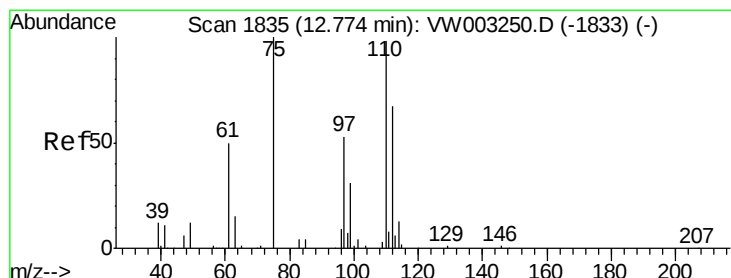
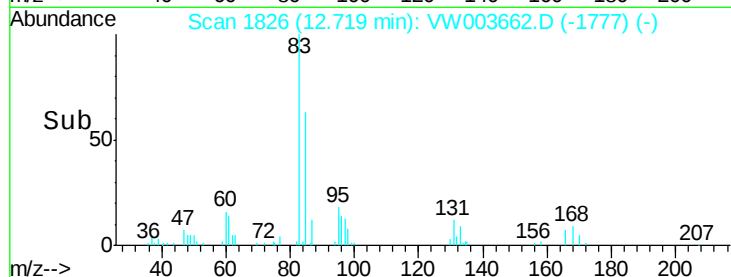
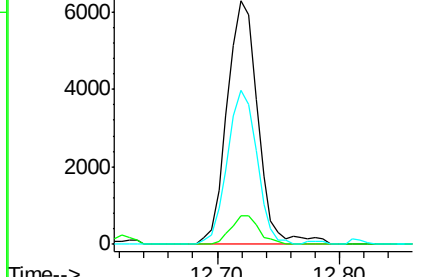
85 60.5 31.9 95.7



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: 10.776 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003662.D

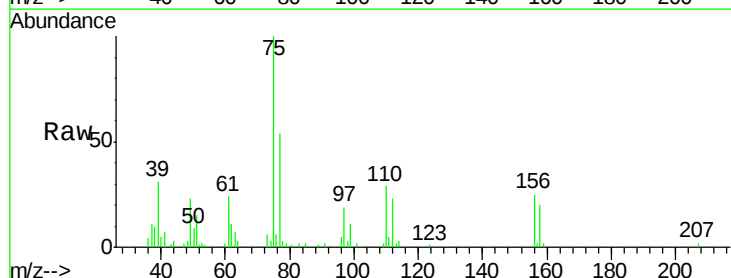
Acq: 29 Jun 2018 15:58

Tgt Ion: 75 Resp: 13559

Ion Ratio Lower Upper

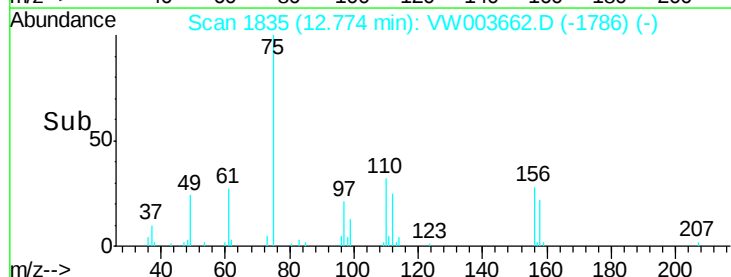
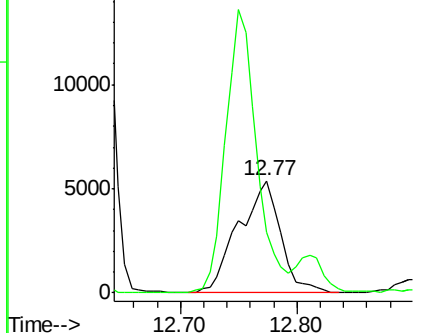
75 100

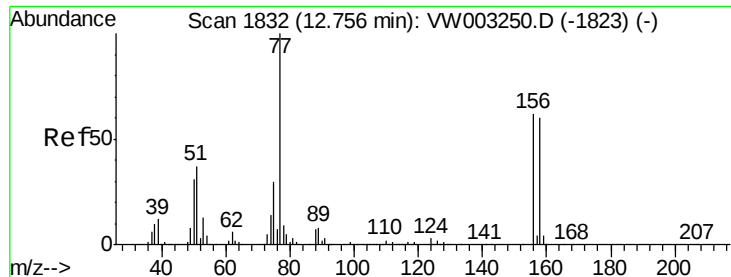
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.573 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

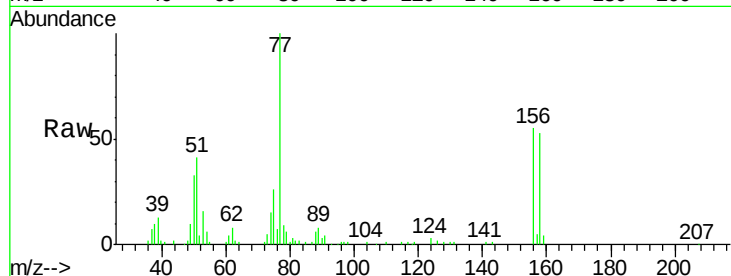
Tot Ion:156 Resp: 13287

Ion Ratio Lower Upper

156 100

77 189.9 92.3 276.9

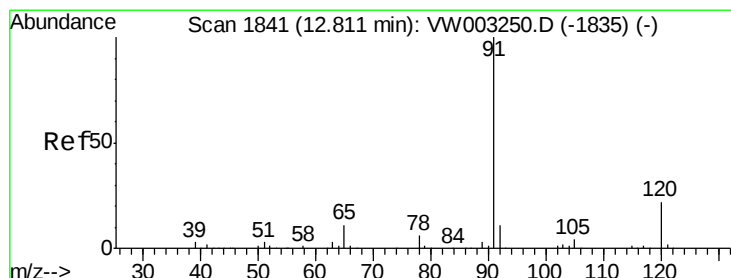
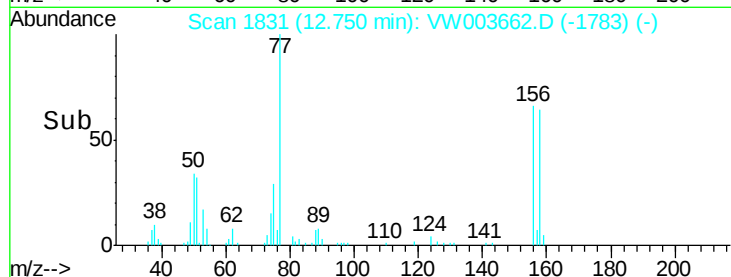
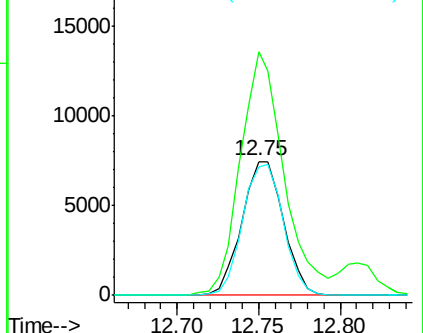
158 95.5 47.5 142.6



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: 5.275 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003662.D

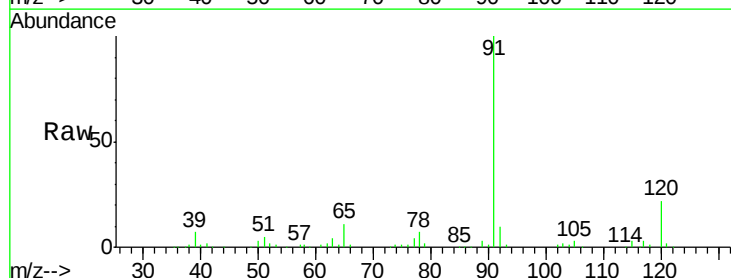
Acq: 29 Jun 2018 15:58

Tgt Ion: 91 Resp: 66123

Ion Ratio Lower Upper

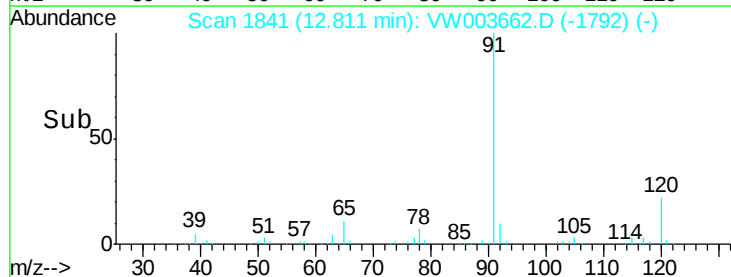
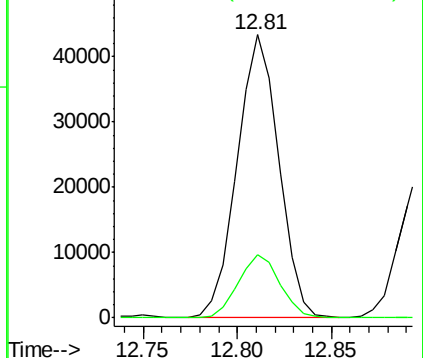
91 100

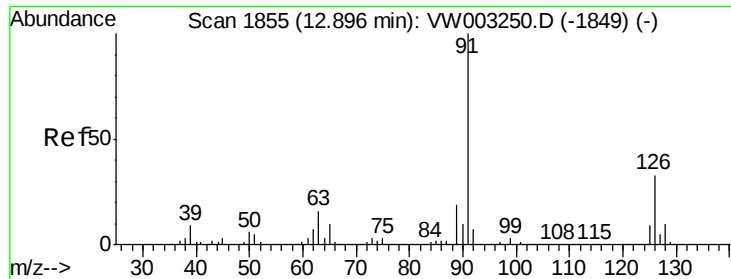
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.263 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

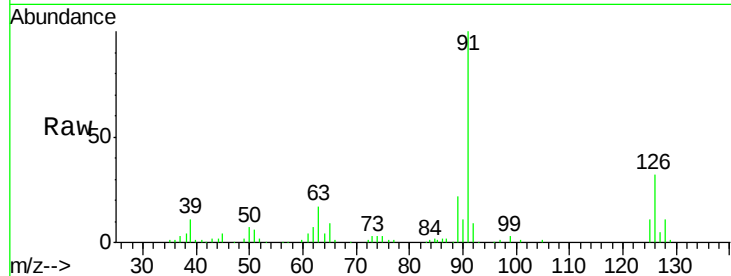
ClientSampled :

Tot Ion: 91 Resp: 37283

Ion Ratio Lower Upper

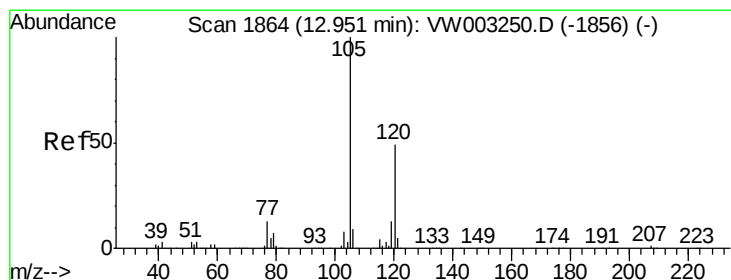
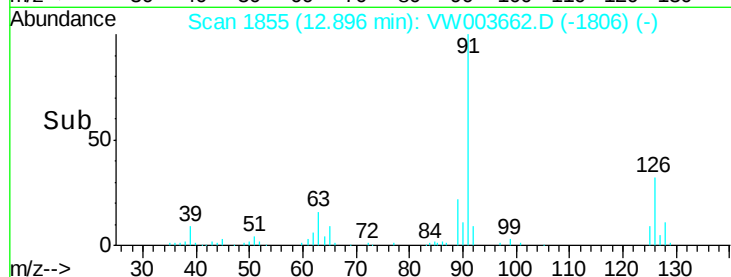
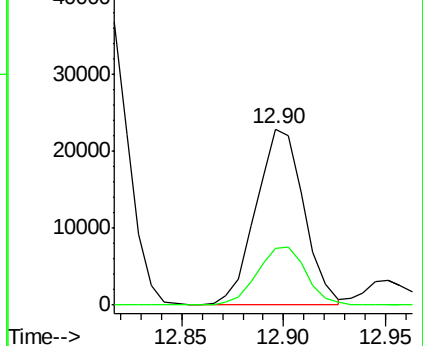
91 100

126 34.0 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.000 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003662.D

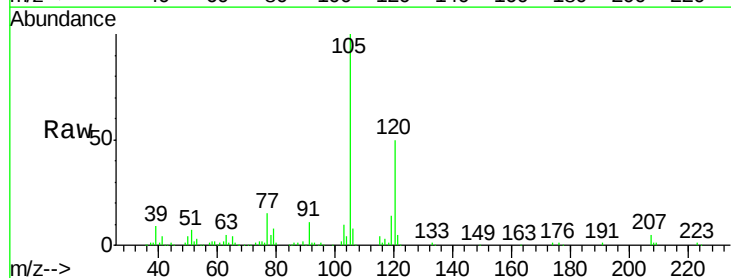
Acq: 29 Jun 2018 15:58

Tgt Ion:105 Resp: 42965

Ion Ratio Lower Upper

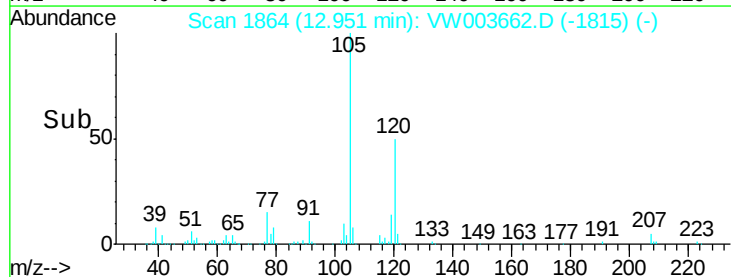
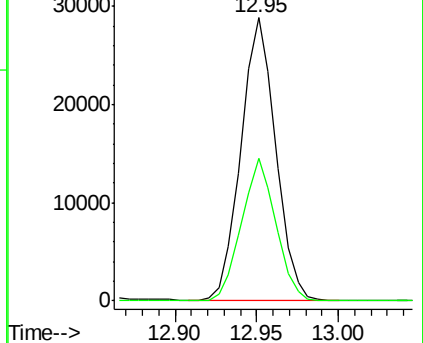
105 100

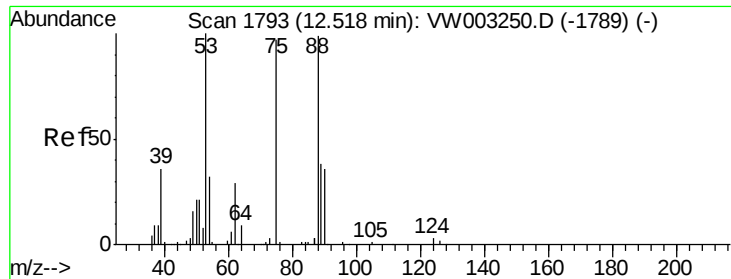
120 49.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

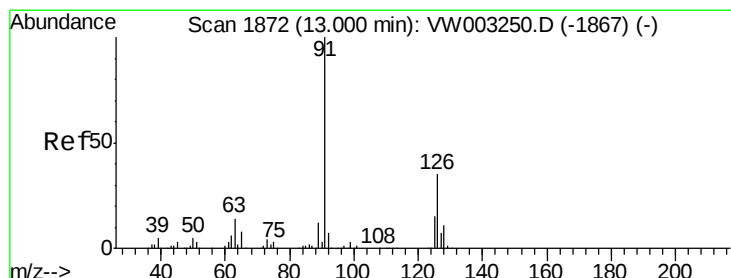
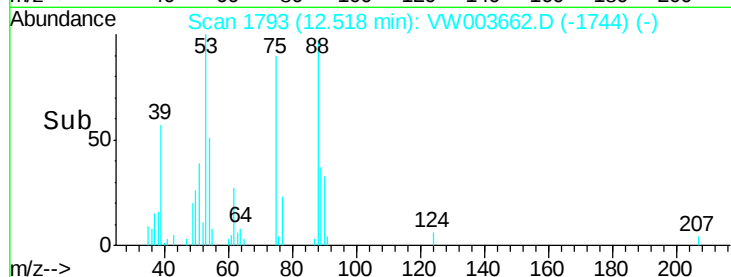
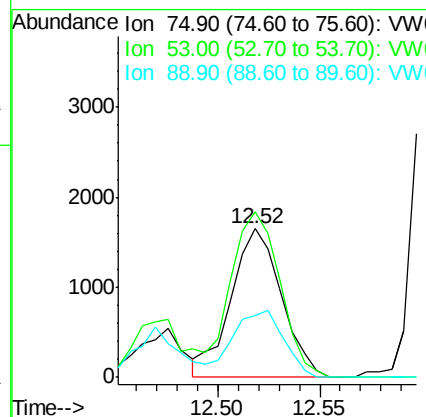
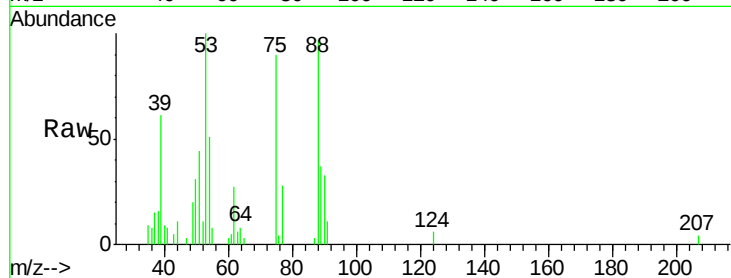




#81
trans-1,4-Dichloro-2-butene
Concen: 5.154 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

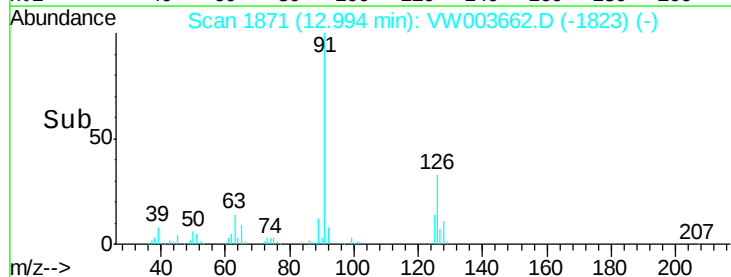
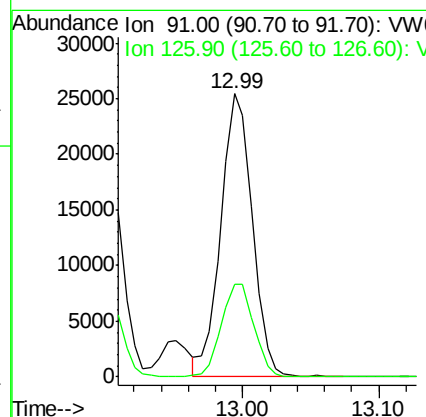
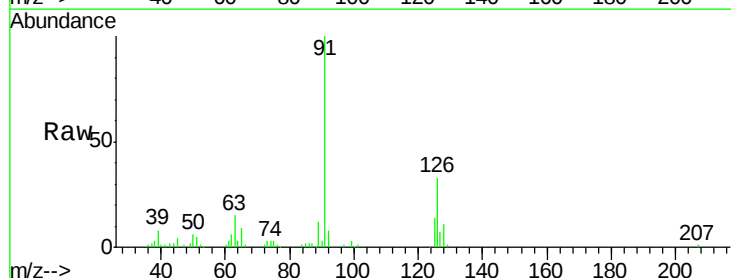
Instrument :
MSVOA_W
ClientSampleId :

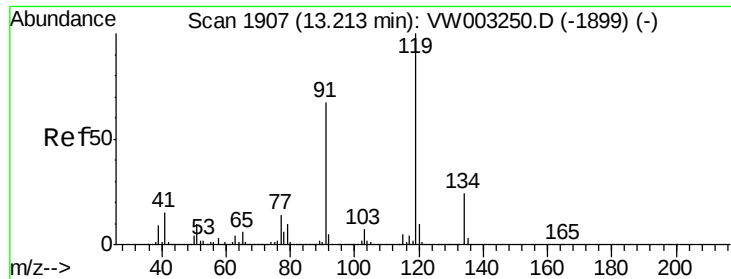
Tot Ion: 75 Resp: 2818
Ion Ratio Lower Upper
75 100
53 108.5 82.9 124.3
89 45.5 36.7 55.1



#82
4-Chlorotoluene
Concen: 5.433 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion: 91 Resp: 40826
Ion Ratio Lower Upper
91 100
126 34.0 16.8 50.3

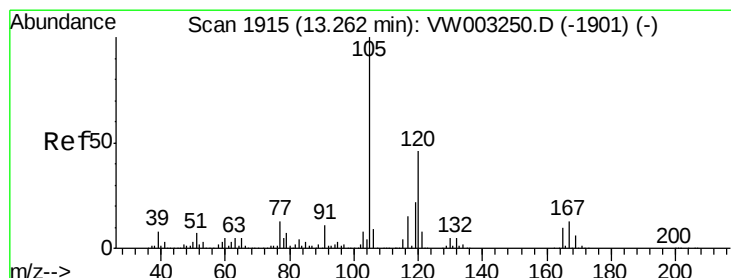
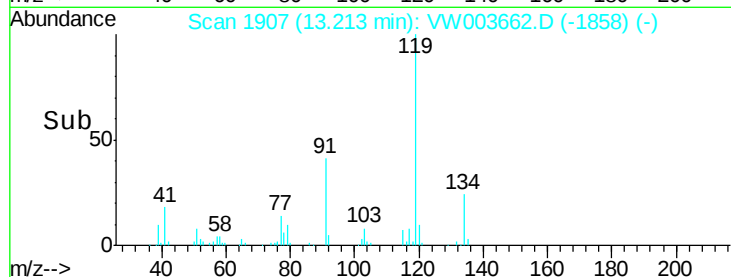
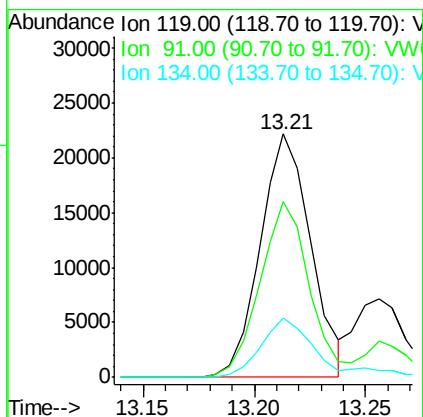
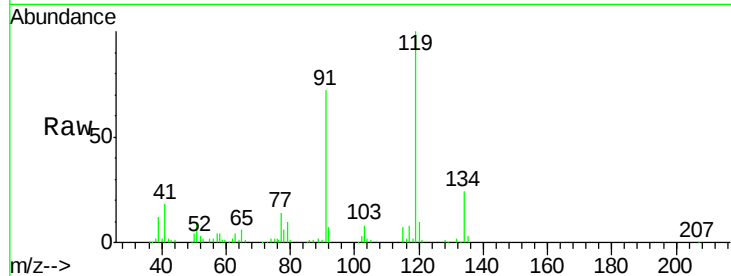




#83
tert-Butylbenzene
Concen: 4.768 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

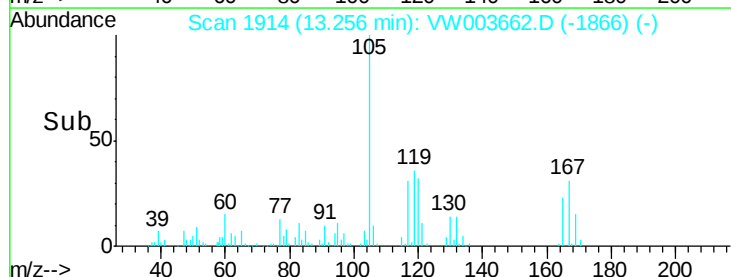
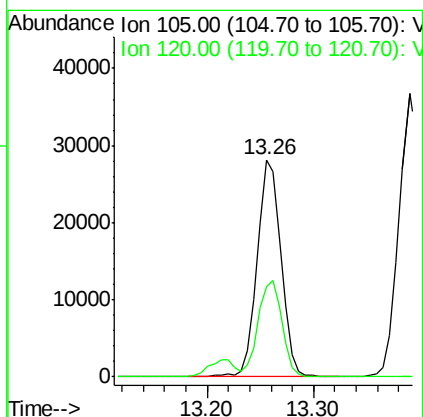
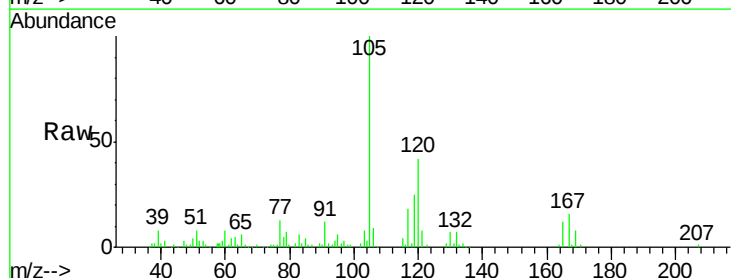
Instrument :
MSVOA_W
ClientSampleId :

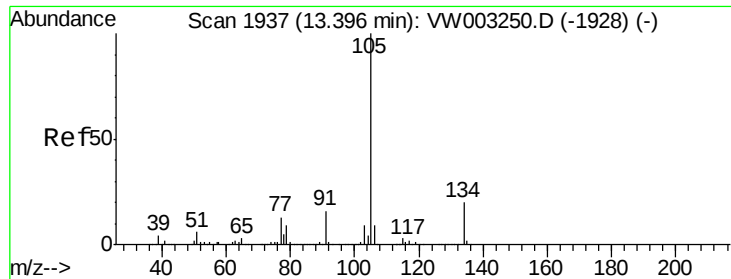
Tot Ion:119 Resp: 34914
Ion Ratio Lower Upper
119 100
91 71.2 33.9 101.7
134 24.4 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 5.048 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.01 min
Lab File: VW003662.D
Acq: 29 Jun 2018 15:58

Tgt Ion:105 Resp: 44622
Ion Ratio Lower Upper
105 100
120 44.1 22.5 67.5





#85

sec-Butylbenzene

Concen: 5.070 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

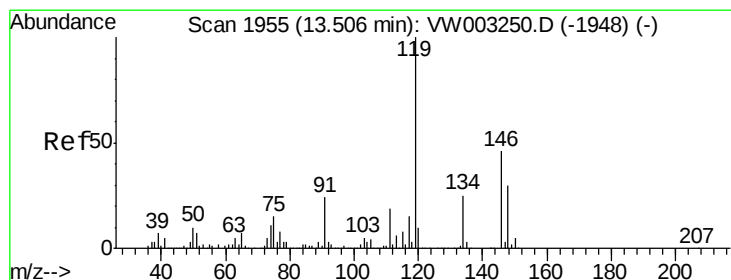
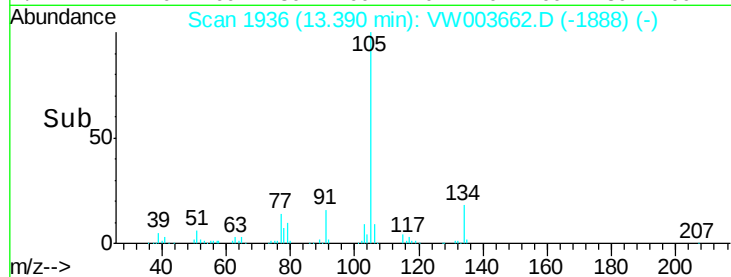
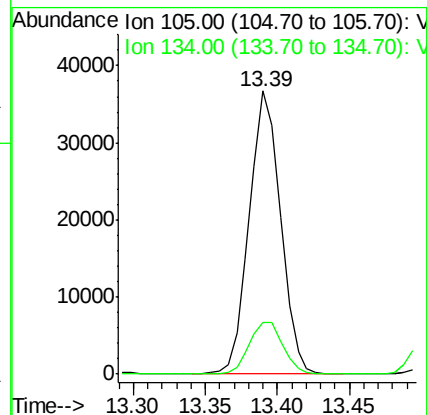
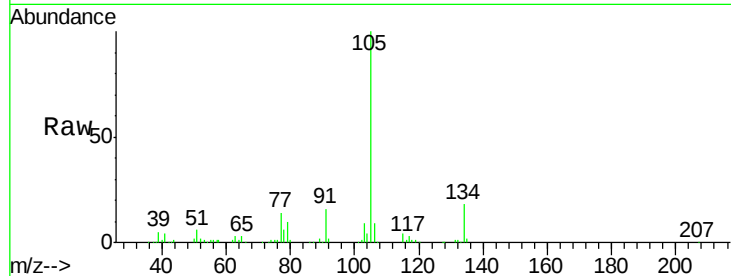
ClientSampleId :

Tot Ion:105 Resp: 55187

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 4.744 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

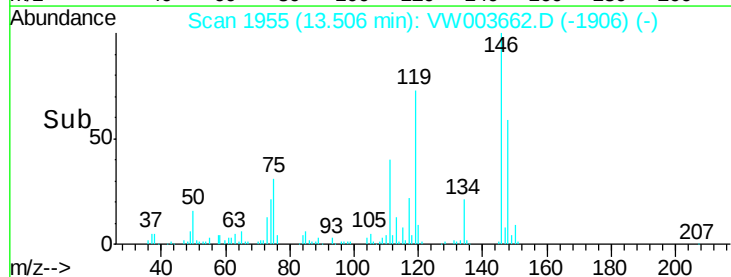
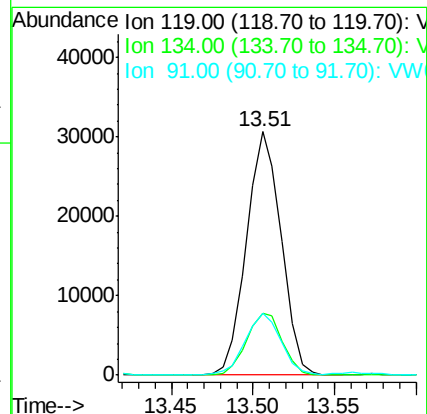
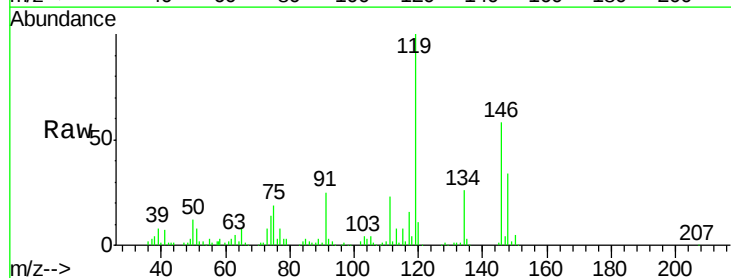
Tgt Ion:119 Resp: 45541

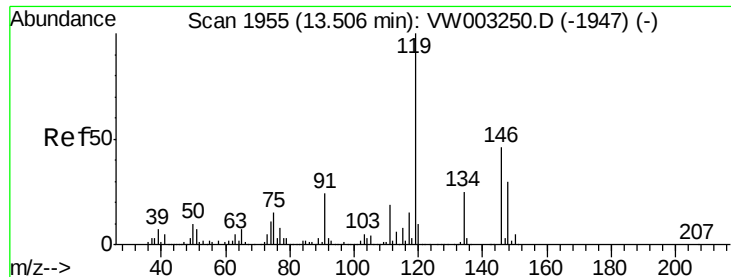
Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 26.0 11.8 35.3

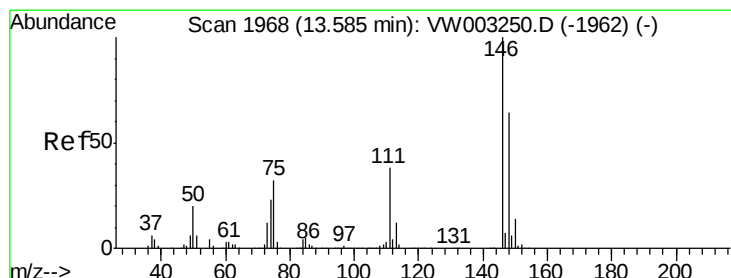
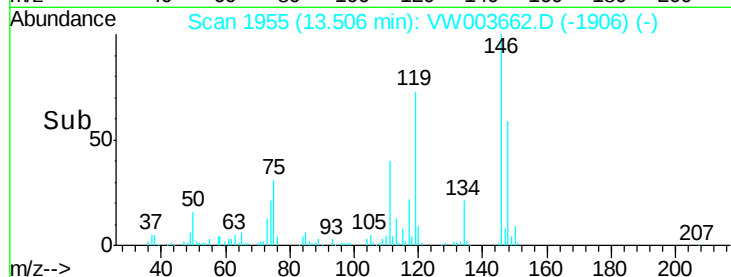
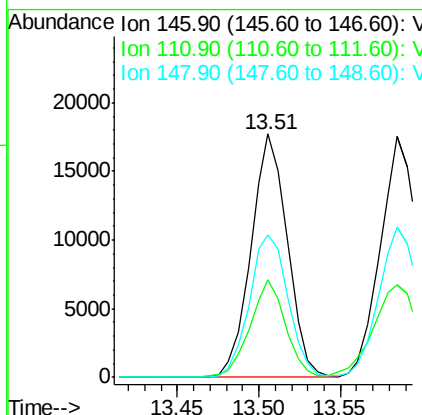
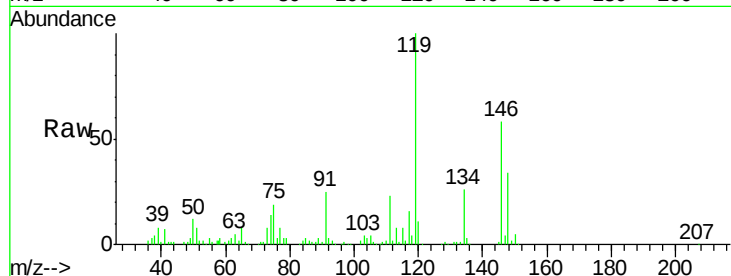




#87
 1,3-Dichlorobenzene
 Concen: 5.612 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

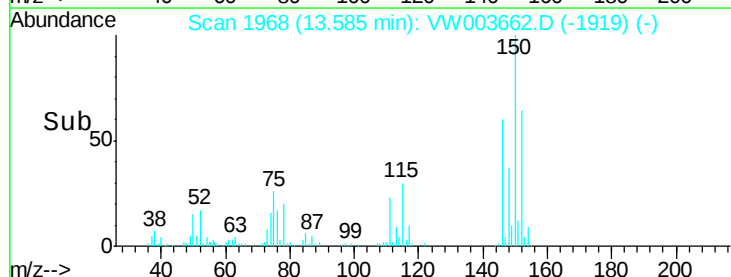
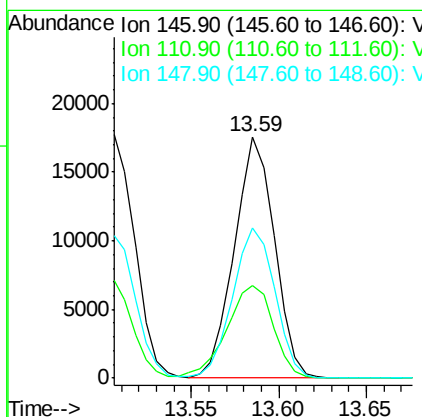
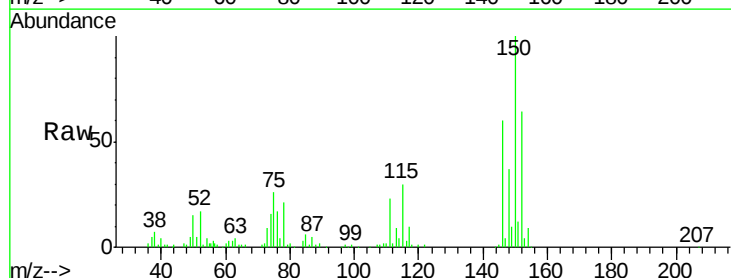
Instrument :
 MSVOA_W
 ClientSampleId :

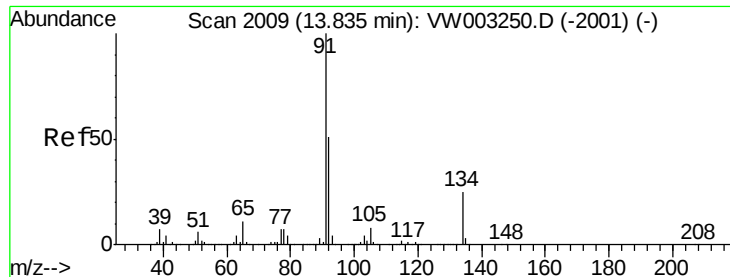
Tot Ion:146 Resp: 27483
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.8 59.4
 148 62.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 5.798 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion:146 Resp: 28230
 Ion Ratio Lower Upper
 146 100
 111 44.5 19.2 57.6
 148 65.7 31.8 95.4





#89

n-Butylbenzene

Concen: 5.054 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

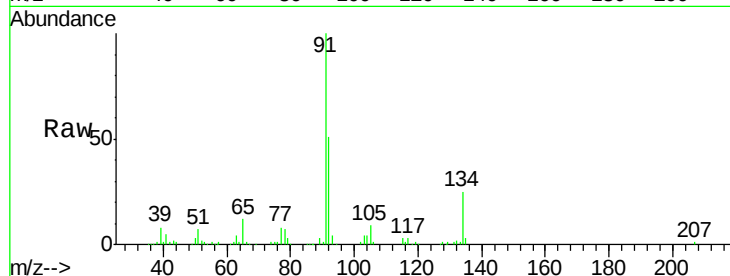
Tot Ion: 91 Resp: 47299

Ion Ratio Lower Upper

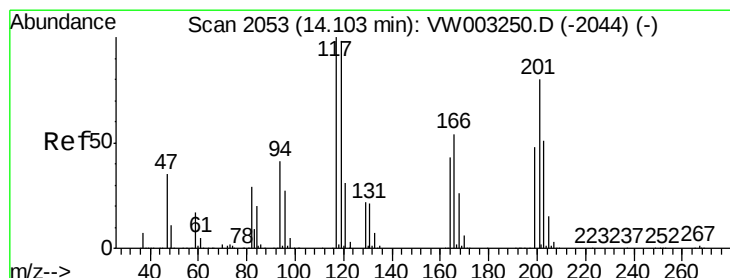
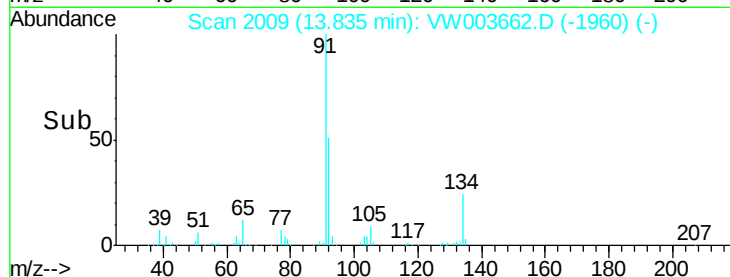
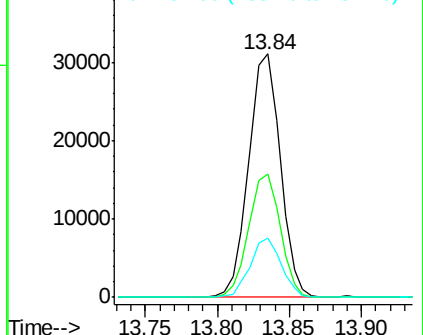
91 100

92 50.7 26.0 78.0

134 24.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 5.475 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW003662.D

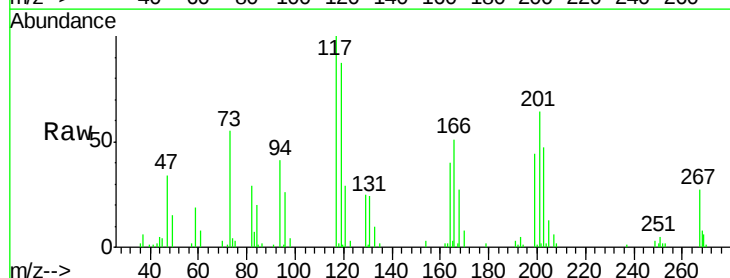
Acq: 29 Jun 2018 15:58

Tgt Ion: 117 Resp: 9509

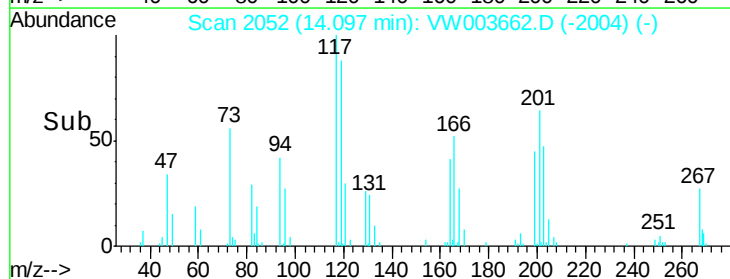
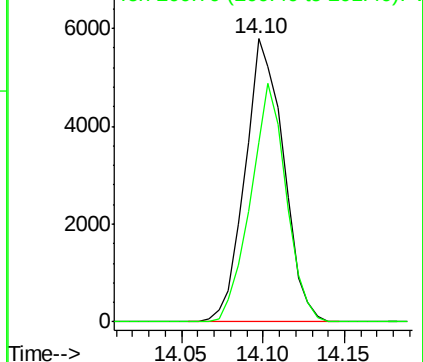
Ion Ratio Lower Upper

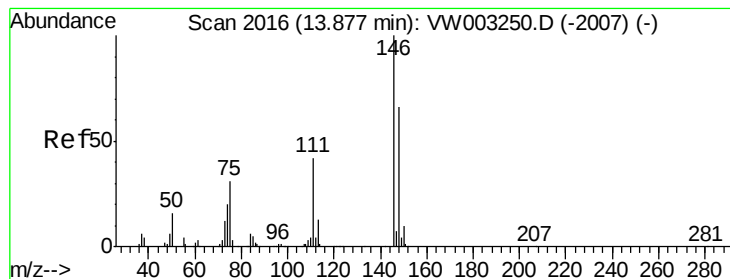
117 100

201 78.1 39.5 118.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 5.789 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

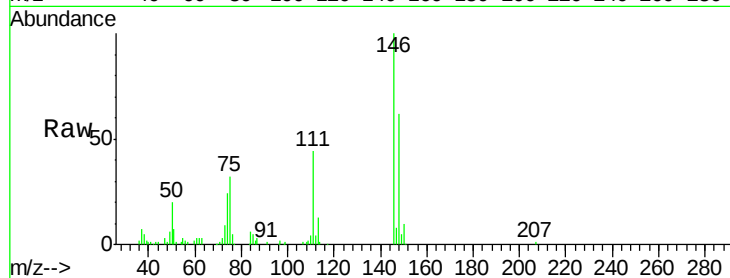
Tot Ion:146 Resp: 24835

Ion Ratio Lower Upper

146 100

111 40.8 20.3 61.0

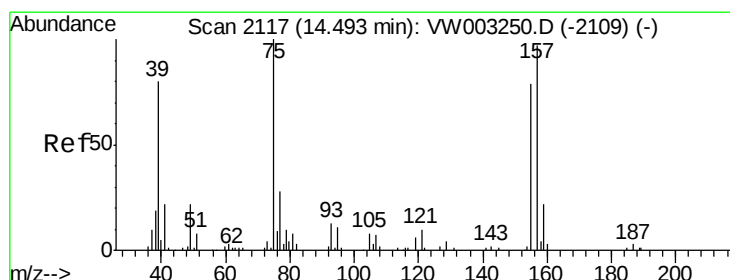
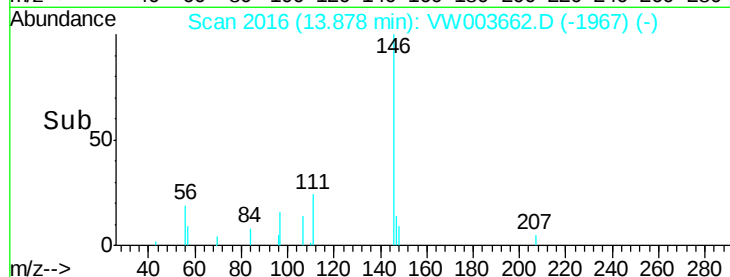
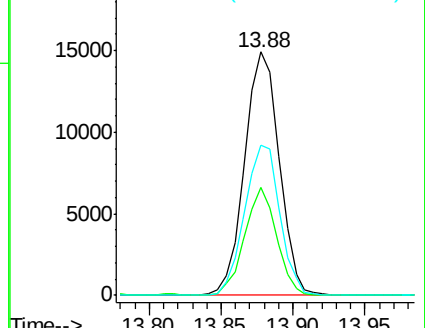
148 62.7 32.3 96.9



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: 6.797 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

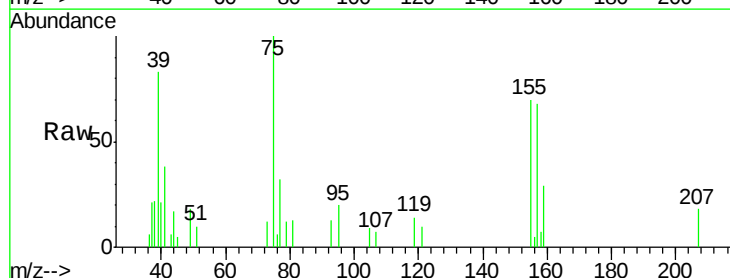
Tgt Ion: 75 Resp: 1981

Ion Ratio Lower Upper

75 100

155 65.8 39.4 118.2

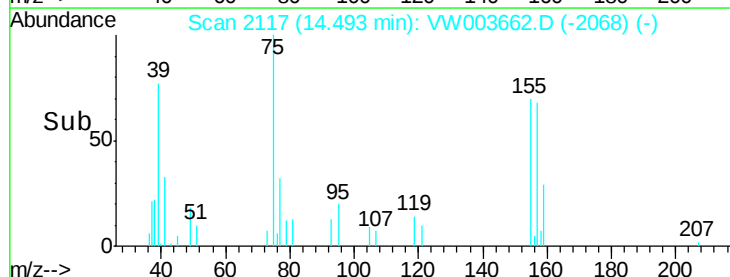
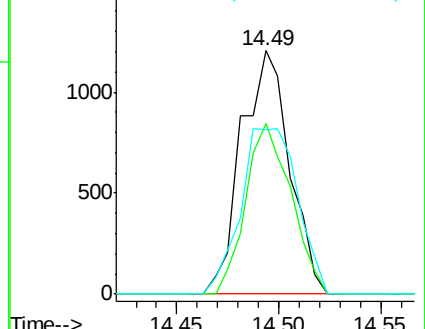
157 80.5 51.5 154.5

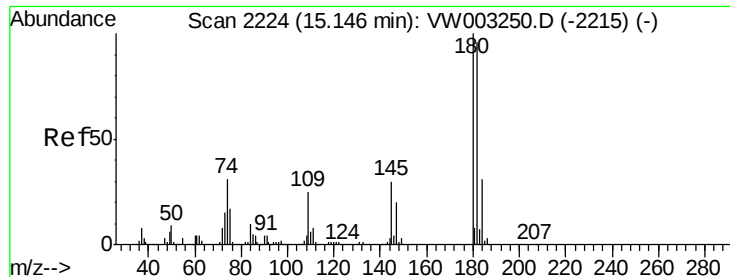


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

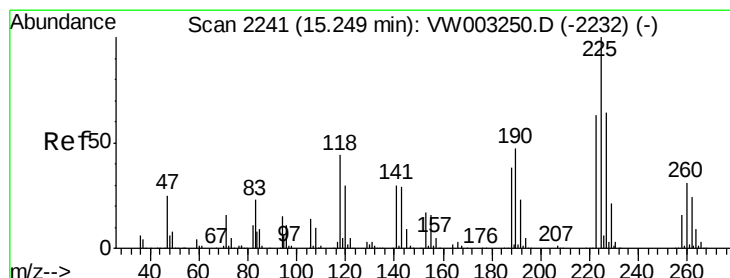
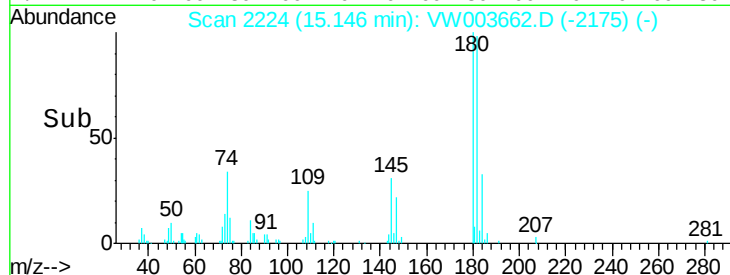
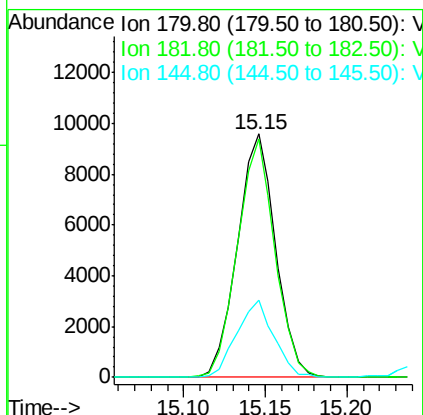
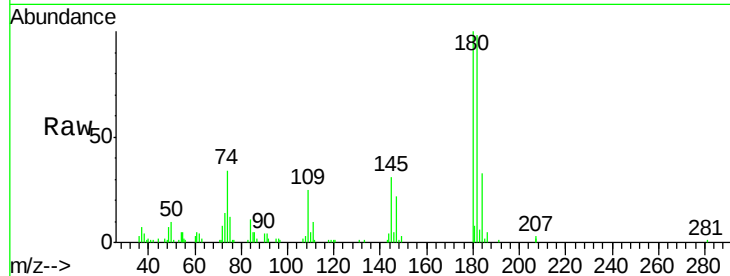




#93
 1,2,4-Trichlorobenzene
 Concen: 5.172 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

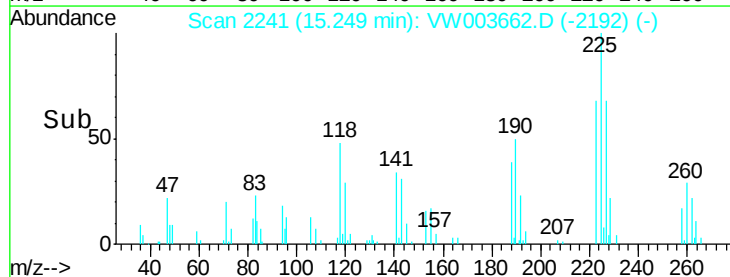
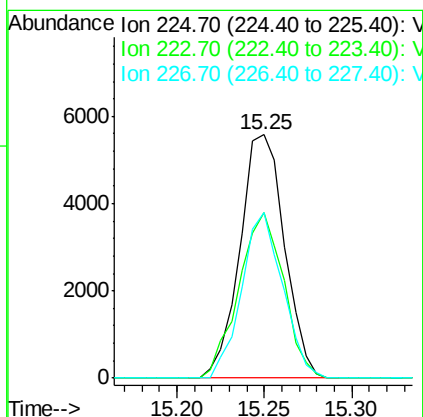
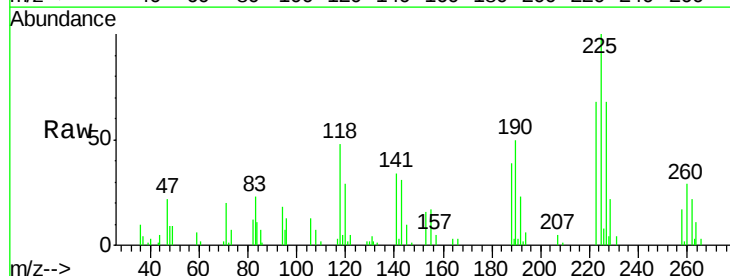
Instrument :
 MSVOA_W
 ClientSampleId :

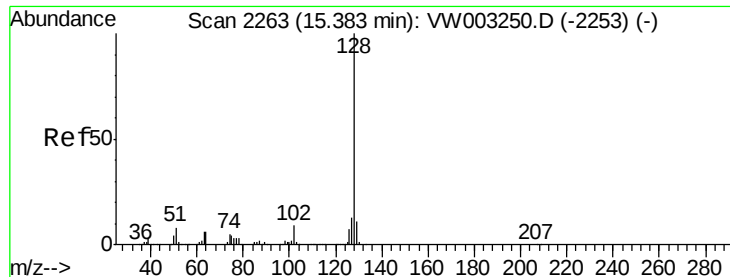
Tot Ion:180 Resp: 15576
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.6
 145 30.8 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 5.453 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003662.D
 Acq: 29 Jun 2018 15:58

Tgt Ion:225 Resp: 9878
 Ion Ratio Lower Upper
 225 100
 223 68.2 30.6 92.0
 227 62.5 31.7 95.1





#95

Naphthalene

Concen: 4.836 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

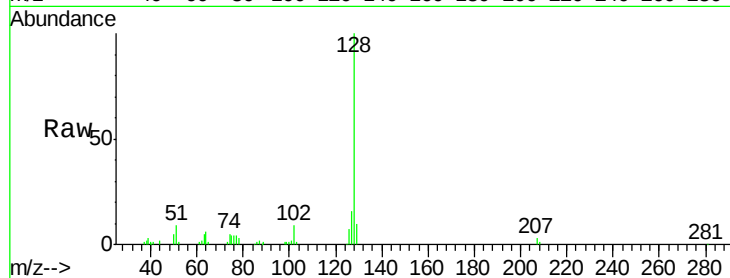
Tot Ion:128 Resp: 24705

Ion Ratio Lower Upper

128 100

127 15.5 10.5 15.7

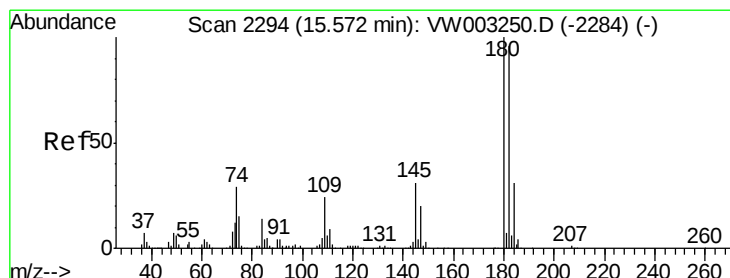
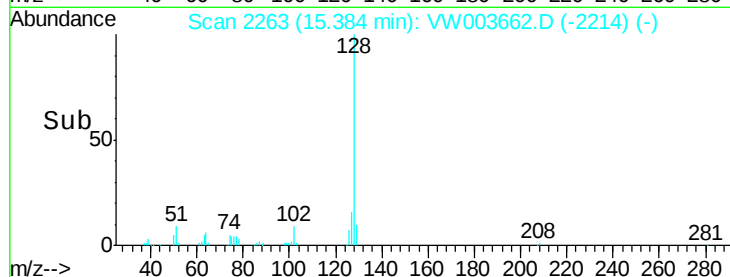
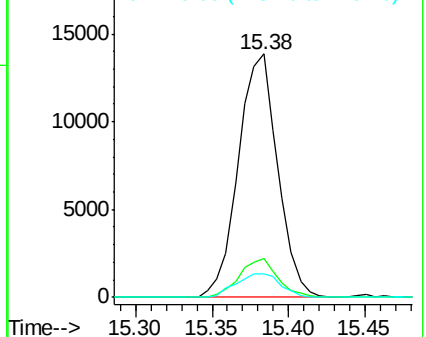
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.349 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003662.D

Acq: 29 Jun 2018 15:58

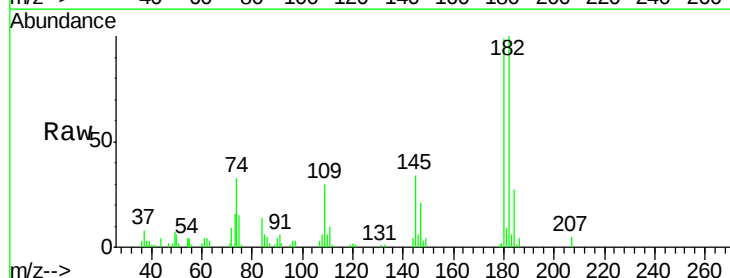
Tgt Ion:180 Resp: 14181

Ion Ratio Lower Upper

180 100

182 90.7 47.9 143.6

145 31.2 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

