

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003795.D
 Acq On : 10 Jul 2018 00:39
 Operator : SY/AP
 Sample : VW0709SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

Quant Time: Jul 10 01:58:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	197413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	314090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	163849	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	128617	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.88	113	109788	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.32	98	427117	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.62	95	154049	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	15539	16.185	ug/l	94
3) Chloromethane	2.21	50	36093	19.802	ug/l	97
4) Vinyl Chloride	2.36	62	51208	21.301	ug/l	99
5) Bromomethane	2.76	94	31547	18.590	ug/l	99
6) Chloroethane	2.92	64	27619	19.156	ug/l	90
7) Trichlorofluoromethane	3.25	101	20545	21.155	ug/l	96
8) Diethyl Ether	3.67	74	21815	21.918	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	41912	22.191	ug/l	98
10) Methyl Iodide	4.26	142	60803	21.628	ug/l	98
11) Tert butyl alcohol	5.18	59	17572	125.599	ug/l	96
12) 1,1-Dichloroethene	4.03	96	42471	22.902	ug/l	96
13) Acrolein	3.88	56	20349	97.548	ug/l	97
14) Allyl chloride	4.65	41	67896	21.058	ug/l	99
15) Acrylonitrile	5.36	53	53732	107.804	ug/l	98
16) Acetone	4.12	43	49348	110.176	ug/l	98
17) Carbon Disulfide	4.37	76	133414	21.944	ug/l	99
18) Methyl Acetate	4.67	43	27737	21.965	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	77236	20.155	ug/l	98
20) Methylene Chloride	4.91	84	50401	20.503	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	45925	20.918	ug/l	98
22) Diisopropyl ether	6.31	45	145874	20.580	ug/l	97
23) Vinyl Acetate	6.26	43	425636	98.368	ug/l	99
24) 1,1-Dichloroethane	6.21	63	86658	20.214	ug/l	98
25) 2-Butanone	7.18	43	71224	101.526	ug/l	99
26) 2,2-Dichloropropane	7.17	77	45977	19.773	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	48346	19.914	ug/l	99
28) Bromochloromethane	7.51	49	39478	20.671	ug/l	97
29) Tetrahydrofuran	7.53	42	47037	104.300	ug/l	100
30) Chloroform	7.67	83	89860	20.548	ug/l	95
31) Cyclohexane	7.95	56	75067	19.926	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	69298	20.820	ug/l	98
36) 1,1-Dichloropropene	8.08	75	69866	20.964	ug/l	99
37) Ethyl Acetate	7.26	43	33464	20.637	ug/l	99
38) Carbon Tetrachloride	8.07	117	65313	20.612	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	72934	19.982	ug/l	97
40) Benzene	8.32	78	198218	20.805	ug/l	99
41) Methacrylonitrile	7.48	41	17333	18.582	ug/l	95
42) 1,2-Dichloroethane	8.40	62	63357	20.547	ug/l	100
43) Isopropyl Acetate	8.43	43	60512	19.690	ug/l	99
44) Trichloroethene	9.09	130	49615	20.656	ug/l	99
45) 1,2-Dichloropropane	9.37	63	51358	20.731	ug/l	96
46) Dibromomethane	9.46	93	26948	20.688	ug/l	99
47) Bromodichloromethane	9.65	83	65209	20.349	ug/l	97
48) Methyl methacrylate	9.44	41	29249	19.984	ug/l	96
49) 1,4-Dioxane	9.45	88	8764	450.172	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	168174	105.746	ug/l	98
52) Toluene	10.39	92	124333	21.045	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	62116	19.414	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	72445	20.057	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37076	20.494	ug/l	95
56) Ethyl methacrylate	10.65	69	43795	19.837	ug/l	99
57) 1,3-Dichloropropane	10.93	76	64626	20.495	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	90440	86.874	ug/l	100
59) 2-Hexanone	10.98	43	113556	103.981	ug/l	98
60) Dibromochloromethane	11.13	129	42560	20.153	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35006	20.233	ug/l	99
64) Tetrachloroethene	10.87	164	47537	21.405	ug/l	99
65) Chlorobenzene	11.66	112	135420	20.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47031	20.335	ug/l	99
67) Ethyl Benzene	11.74	91	233357	20.619	ug/l	100
68) m/p-Xylenes	11.84	106	181439	41.866	ug/l	99
69) o-Xylene	12.17	106	82077	20.525	ug/l	99
70) Styrene	12.18	104	141518	20.811	ug/l	100
71) Bromoform	12.35	173	25654	20.098	ug/l #	99
73) Isopropylbenzene	12.47	105	226770	20.436	ug/l	99
74) N-amyl acetate	12.28	43	60964	20.269	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45605	20.274	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	60887	37.842	ug/l #	100
77) Bromobenzene	12.75	156	55589	20.179	ug/l	98
78) n-propylbenzene	12.81	91	289272	20.767	ug/l	100
79) 2-Chlorotoluene	12.90	91	163429	20.422	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	199493	20.859	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12310	18.716	ug/l	99
82) 4-Chlorotoluene	12.99	91	179434	20.852	ug/l	99
83) tert-Butylbenzene	13.21	119	162270	20.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	205785	20.712	ug/l	99
85) sec-Butylbenzene	13.39	105	242747	20.574	ug/l	100
86) p-Isopropyltoluene	13.51	119	214287	20.784	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	114099	20.443	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	113216	20.172	ug/l	98
89) n-Butylbenzene	13.83	91	206068	20.319	ug/l	99
90) Hexachloroethane	14.10	117	40014	20.148	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	103083	20.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7831	20.111	ug/l	98

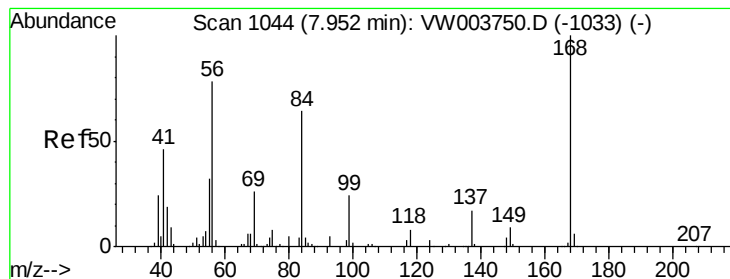
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
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Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	66702	19.617	ug/l	98
94) Hexachlorobutadiene	15.24	225	38740	19.918	ug/l	98
95) Naphthalene	15.38	128	118270	19.461	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	60398	19.838	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

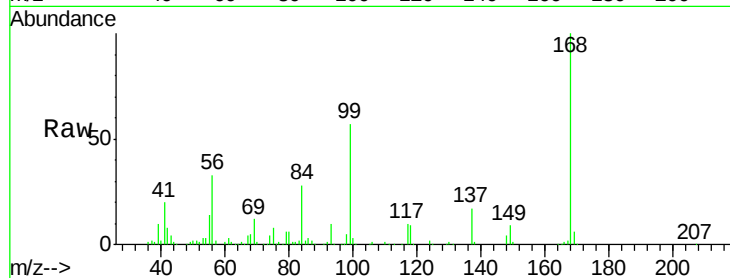
VW0709SBS02

Tot Ion:168 Resp: 197413

Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

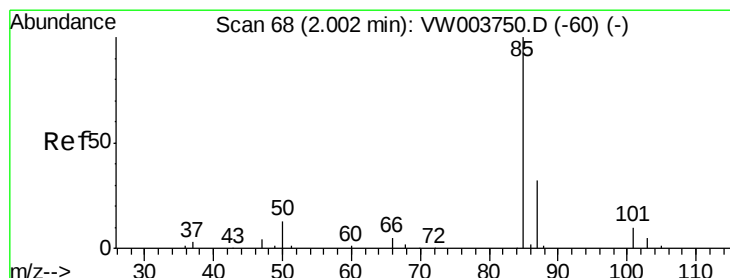
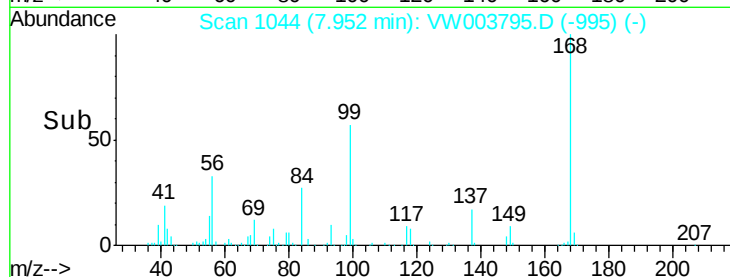
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.185 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003795.D

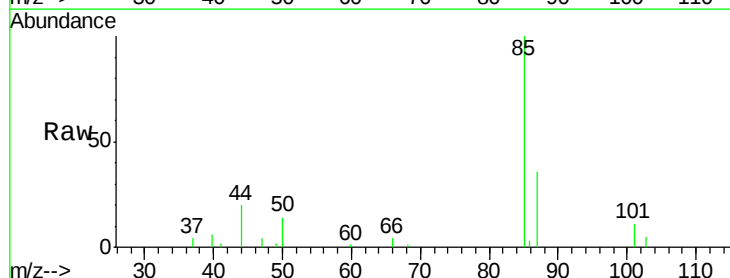
Acq: 10 Jul 2018 00:39

Tgt Ion: 85 Resp: 15539

Ion Ratio Lower Upper

85 100

87 35.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

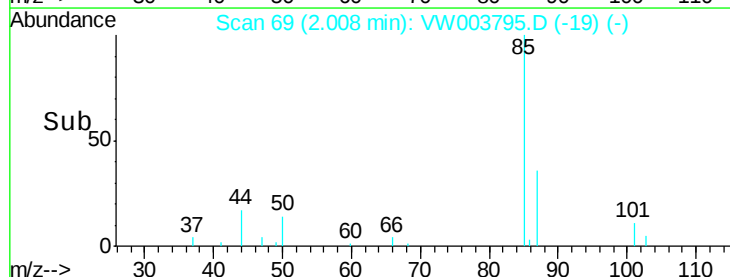
2000

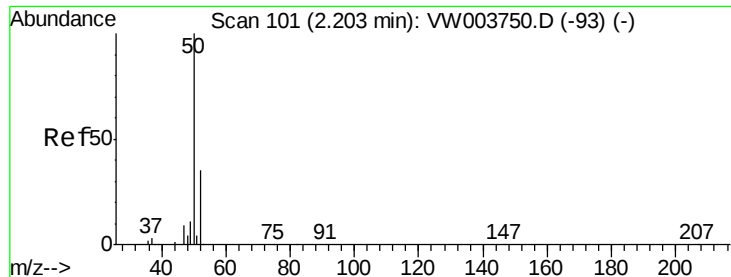
1000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.802 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

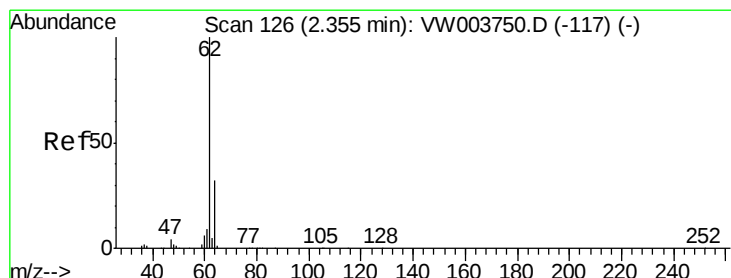
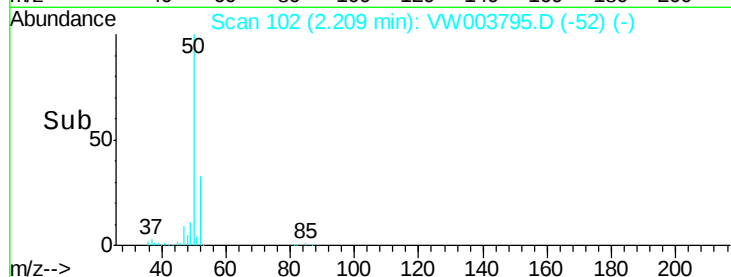
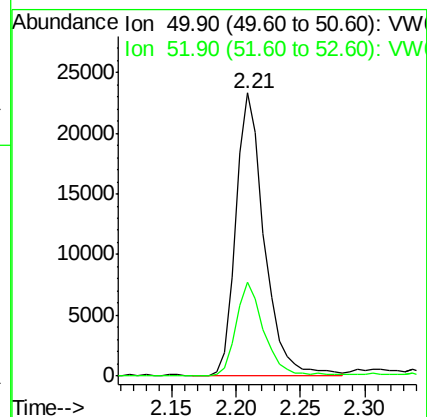
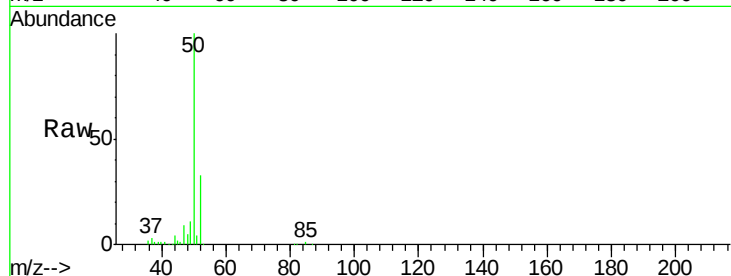
VW0709SBS02

Tot Ion: 50 Resp: 36093

Ion Ratio Lower Upper

50 100

52 33.1 27.8 41.6



#4

Vinyl Chloride

Concen: 21.301 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003795.D

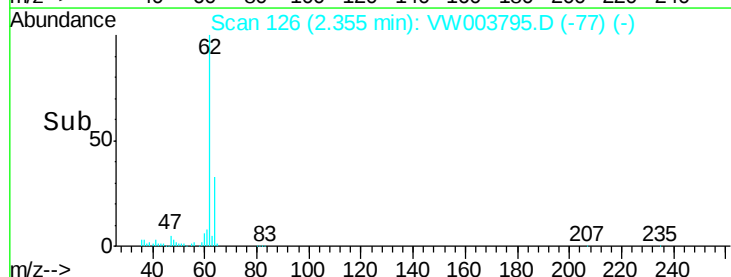
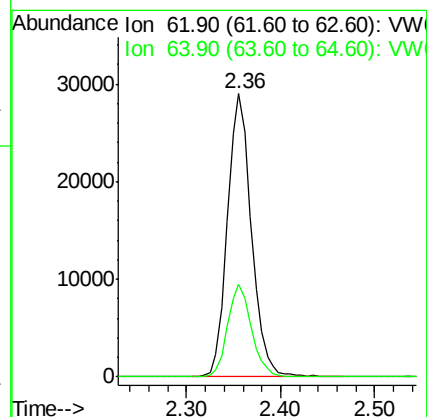
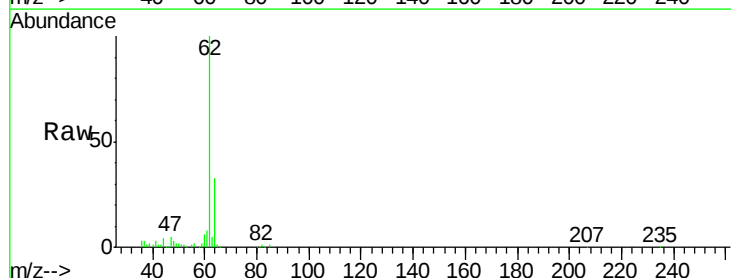
Acq: 10 Jul 2018 00:39

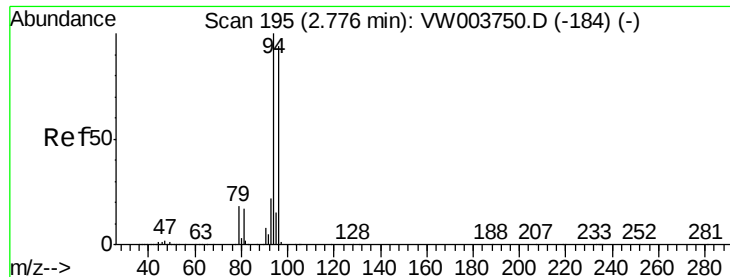
Tgt Ion: 62 Resp: 51208

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 18.590 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

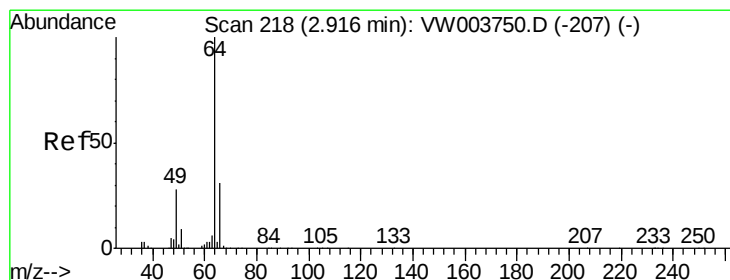
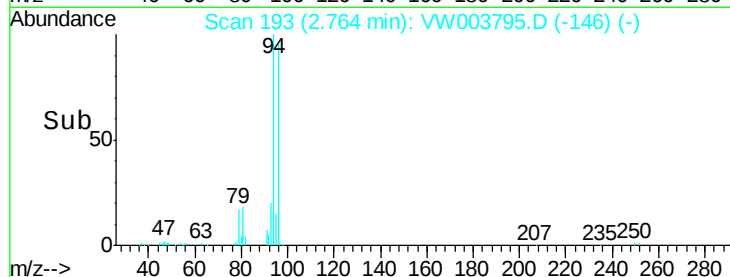
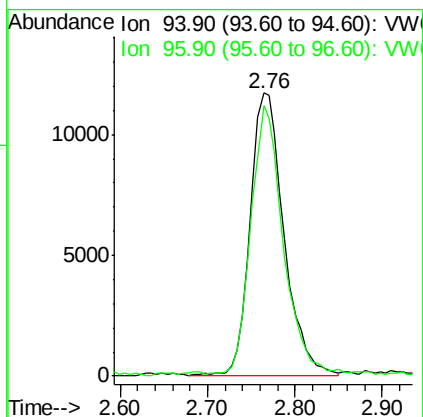
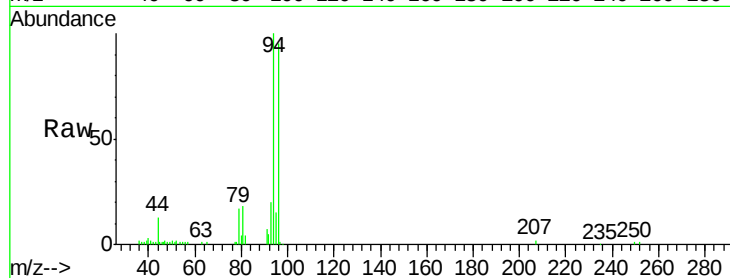
VW0709SBS02

Tot Ion: 94 Resp: 31547

Ion Ratio Lower Upper

94 100

96 94.3 74.8 112.2



#6

Chloroethane

Concen: 19.156 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW003795.D

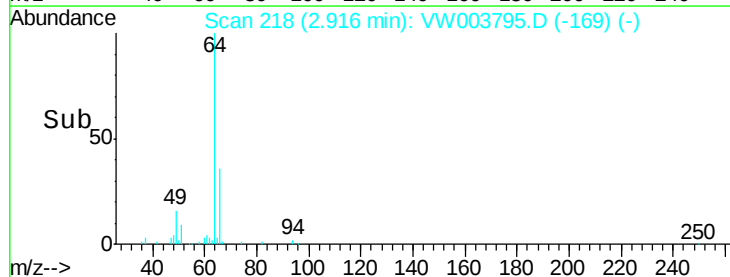
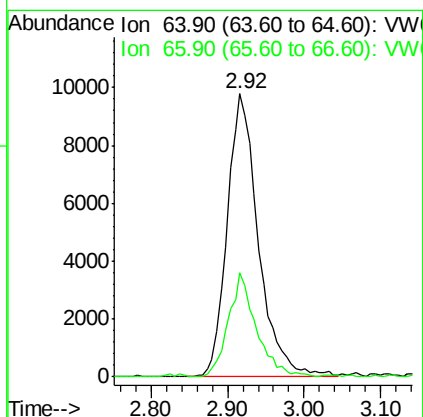
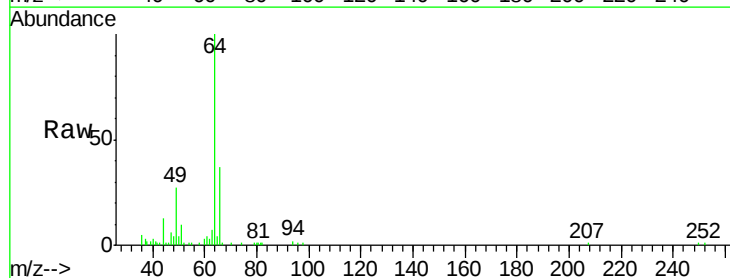
Acq: 10 Jul 2018 00:39

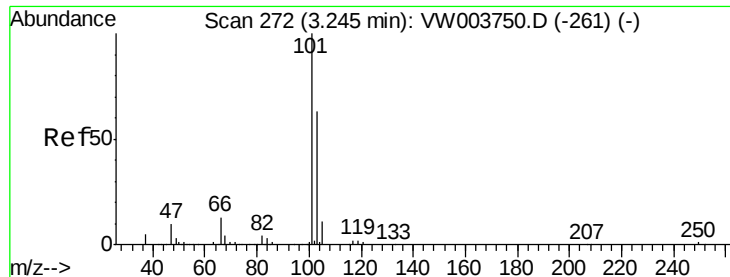
Tgt Ion: 64 Resp: 27619

Ion Ratio Lower Upper

64 100

66 36.8 25.1 37.7



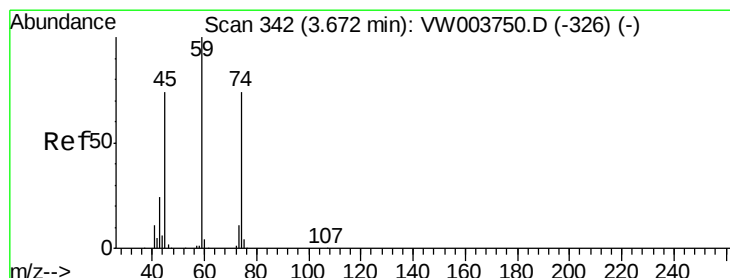
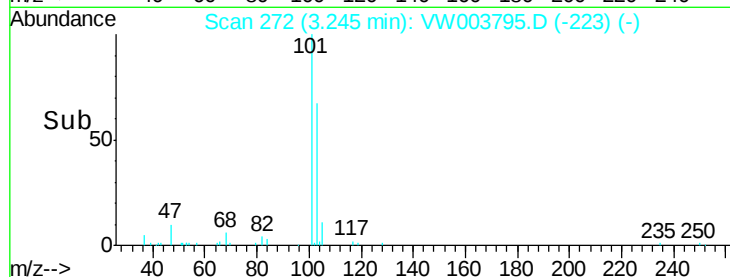
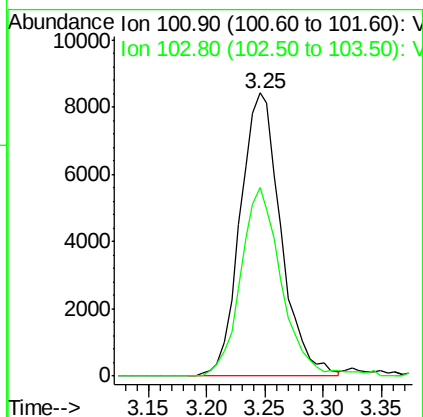
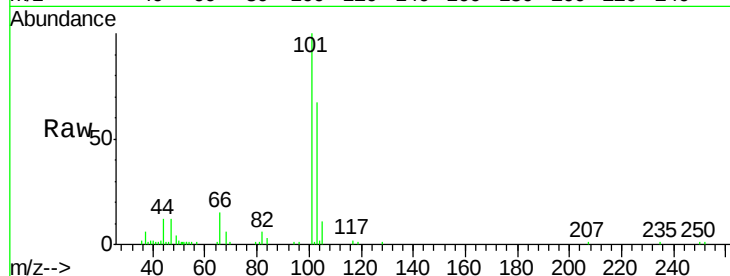


#7

Trichlorofluoromethane
Concen: 21.155 ug/l
RT: 3.25 min Scan# 272
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

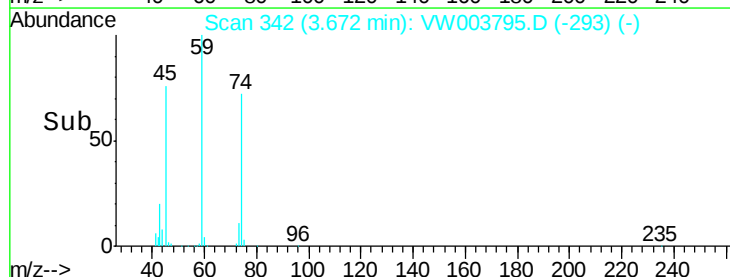
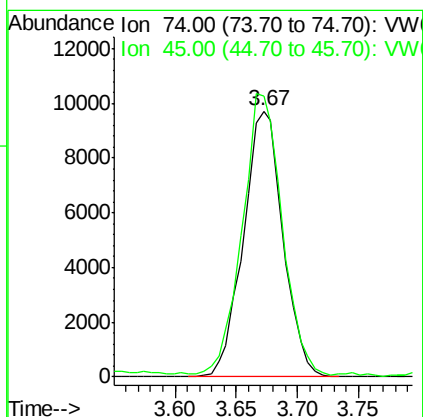
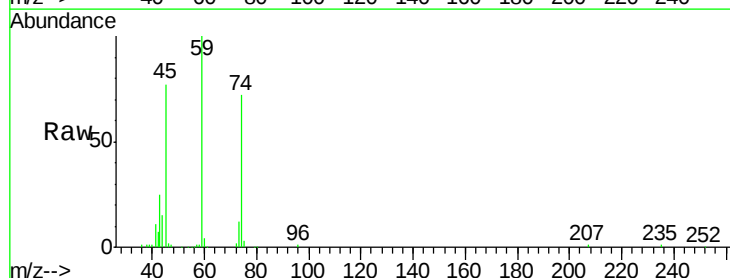
Tot Ion:101 Resp: 20545
Ion Ratio Lower Upper
101 100
103 66.7 50.7 76.1

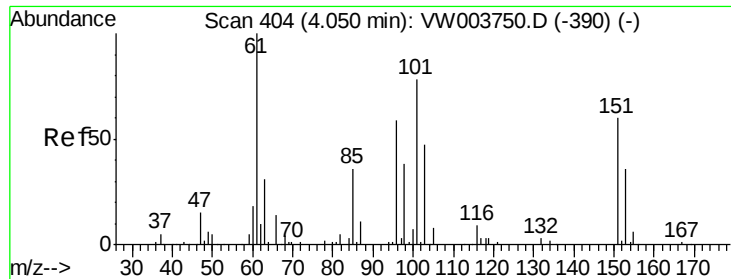


#8

Diethyl Ether
Concen: 21.918 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion: 74 Resp: 21815
Ion Ratio Lower Upper
74 100
45 106.4 52.4 157.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.191 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

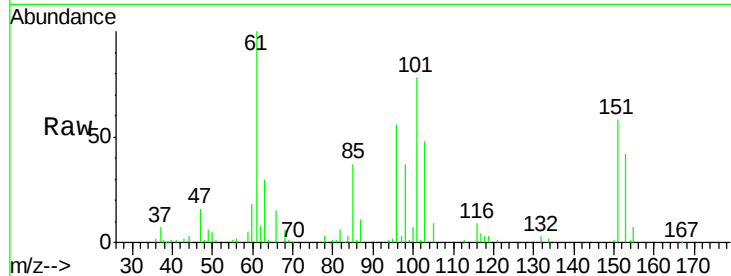
Tot Ion:101 Resp: 41912

Ion Ratio Lower Upper

101 100

85 46.7 37.1 55.7

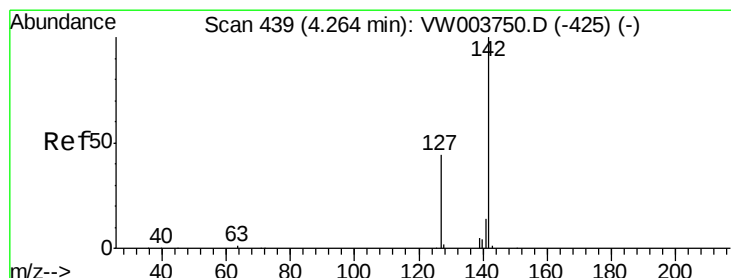
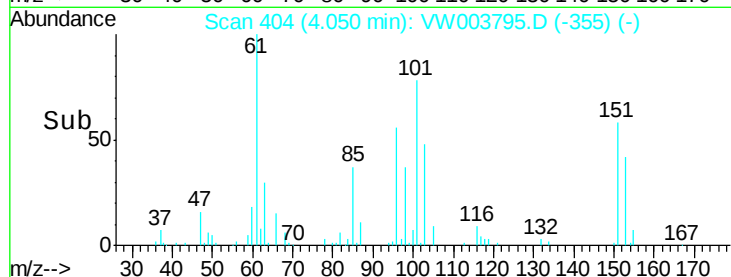
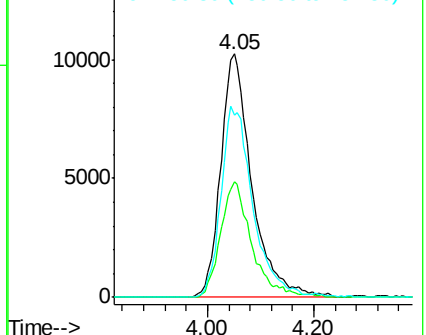
151 79.8 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.628 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

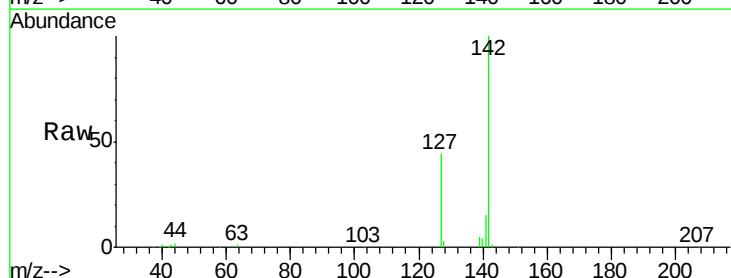
Tgt Ion:142 Resp: 60803

Ion Ratio Lower Upper

142 100

127 46.7 36.1 54.1

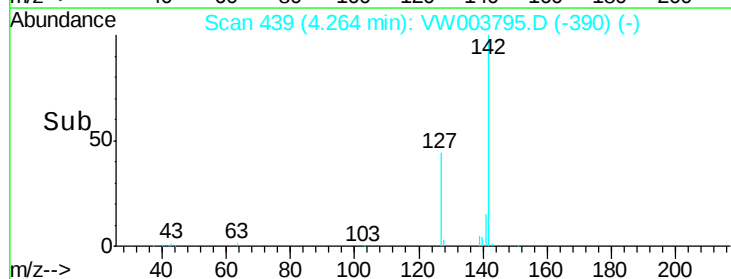
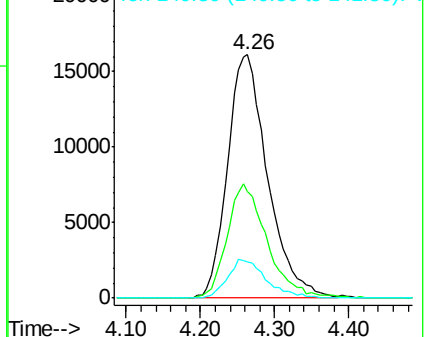
141 15.2 11.6 17.4

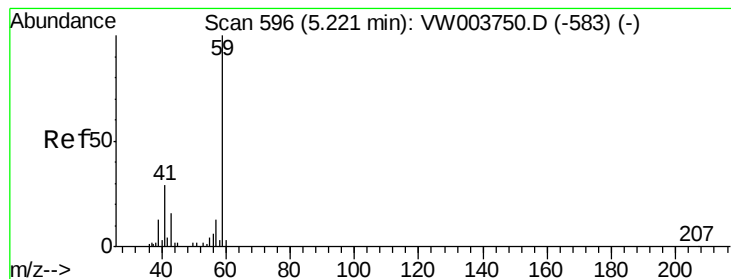


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



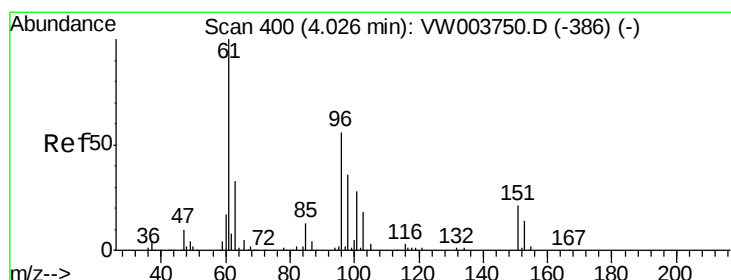
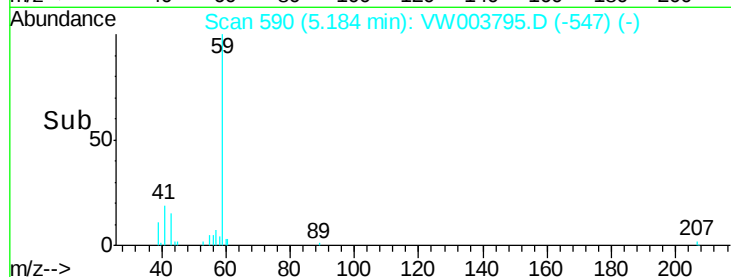
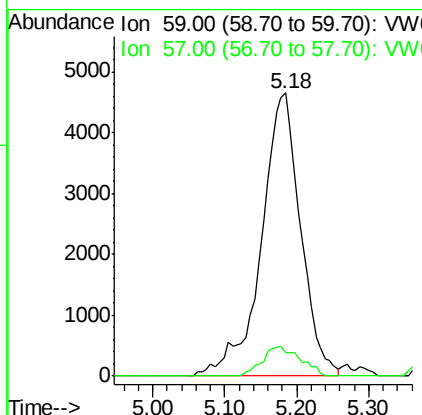
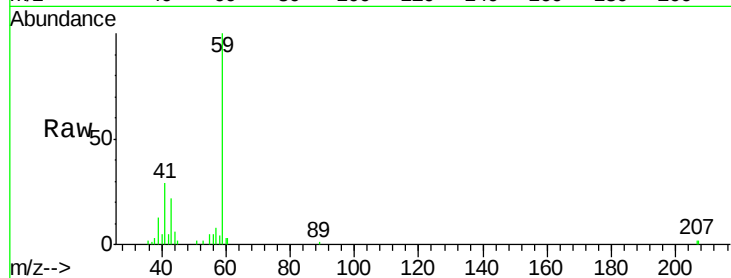


#11

Tert butyl alcohol
 Concen: 125.599 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.04 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

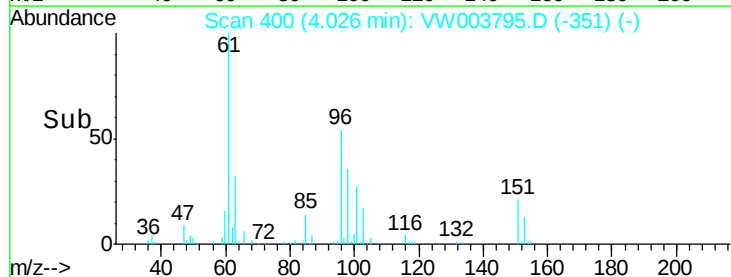
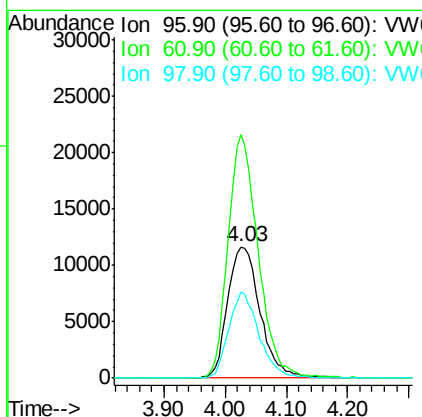
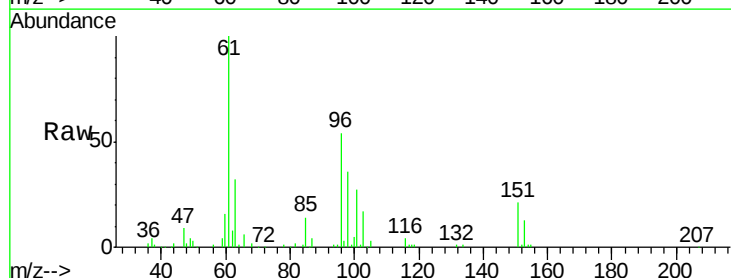
Tot Ion: 59 Resp: 17572
 Ion Ratio Lower Upper
 59 100
 57 10.1 9.3 13.9

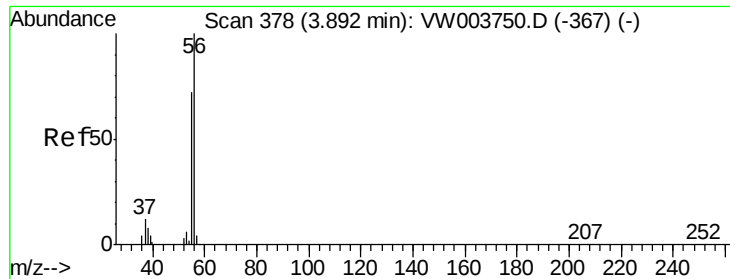


#12

1,1-Dichloroethene
 Concen: 22.902 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Tgt Ion: 96 Resp: 42471
 Ion Ratio Lower Upper
 96 100
 61 185.6 143.2 214.8
 98 66.0 51.4 77.0





#13

Acrolein

Concen: 97.548 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

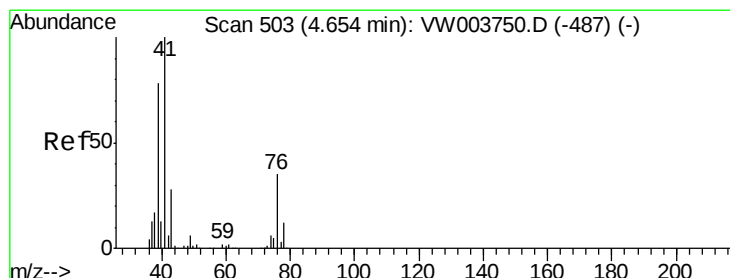
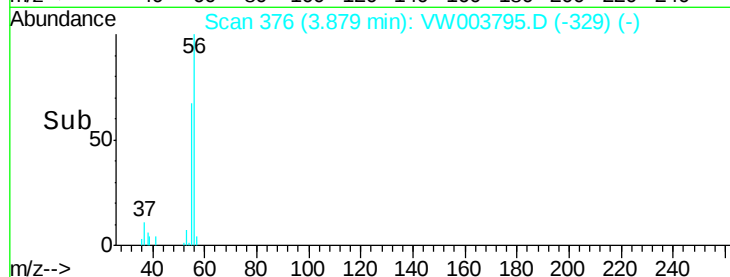
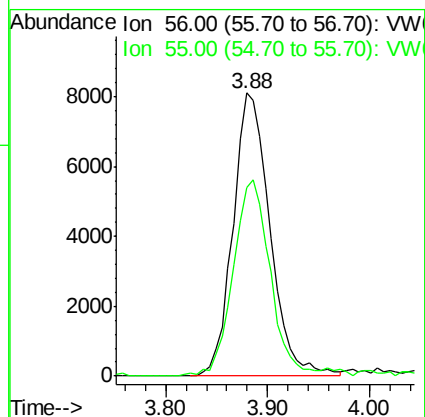
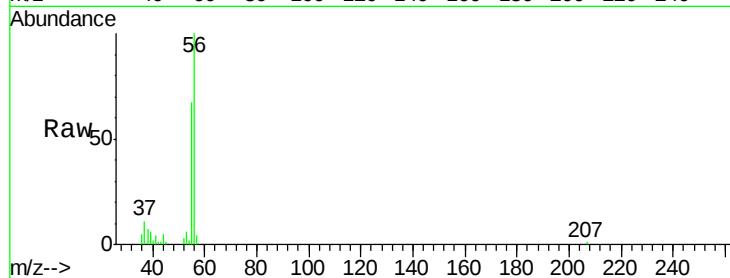
VW0709SBS02

Tot Ion: 56 Resp: 20349

Ion Ratio Lower Upper

56 100

55 69.6 57.5 86.3



#14

Allyl chloride

Concen: 21.058 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

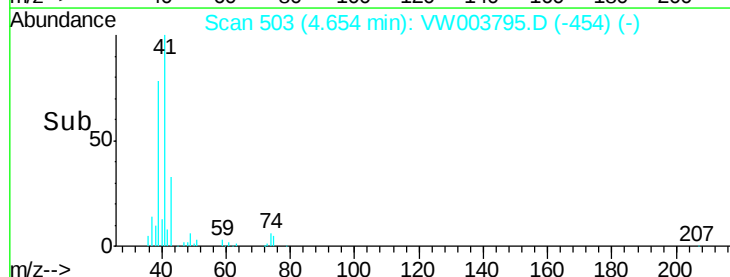
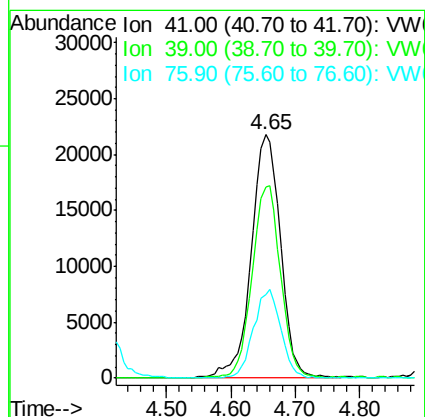
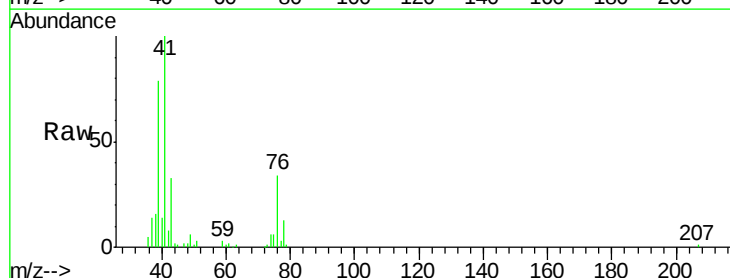
Tgt Ion: 41 Resp: 67896

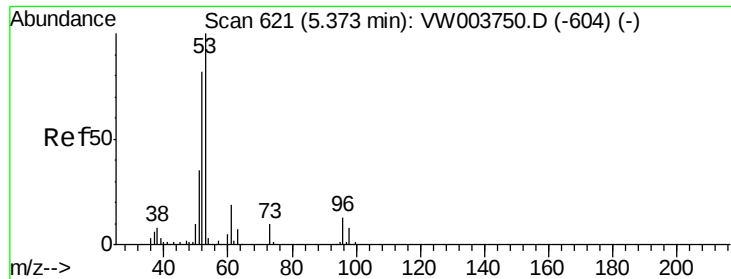
Ion Ratio Lower Upper

41 100

39 76.9 60.9 91.3

76 33.9 27.5 41.3





#15

Acrylonitrile

Concen: 107.804 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

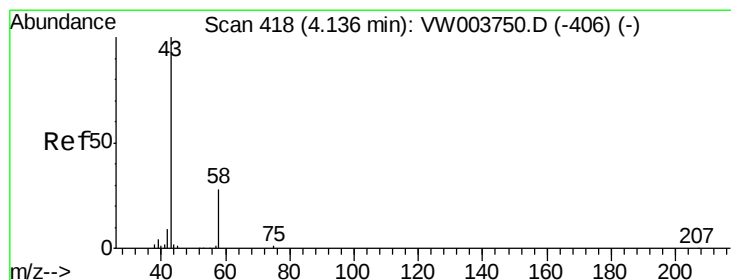
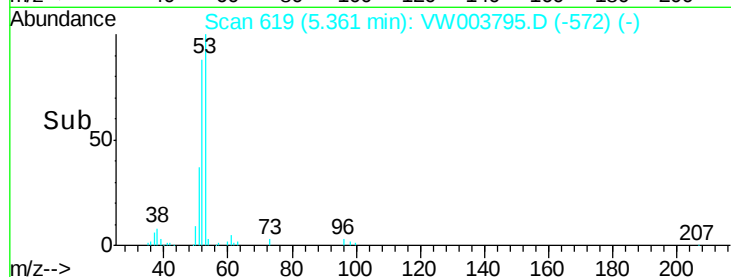
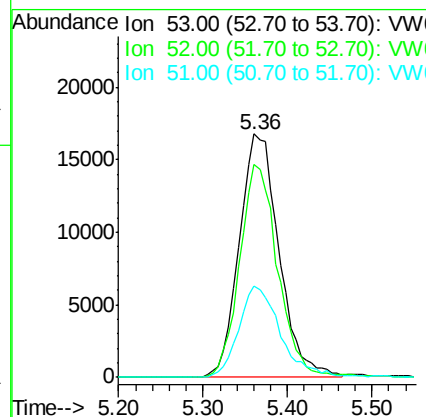
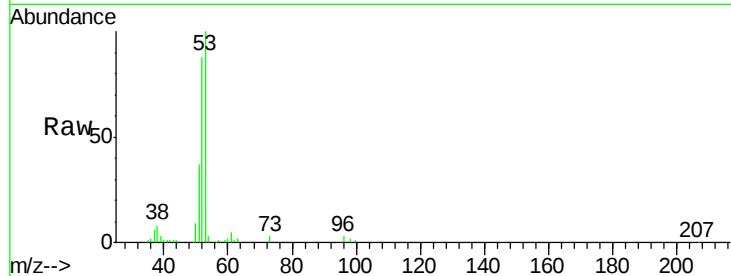
Tot Ion: 53 Resp: 53732

Ion Ratio Lower Upper

53 100

52 83.9 66.2 99.2

51 39.2 30.2 45.4



#16

Acetone

Concen: 110.176 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003795.D

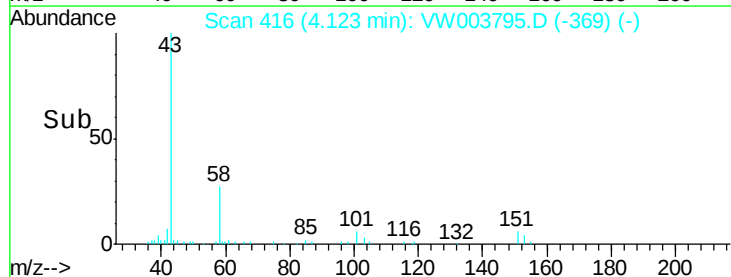
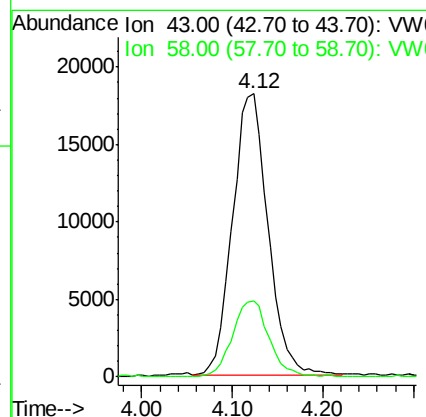
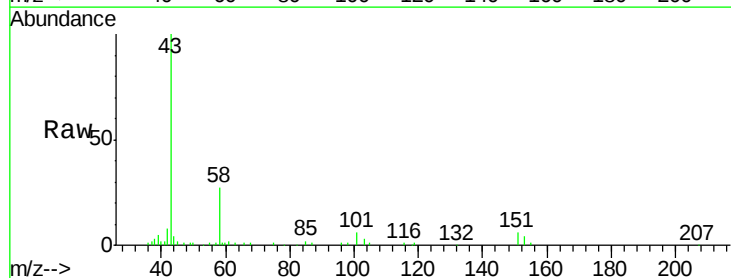
Acq: 10 Jul 2018 00:39

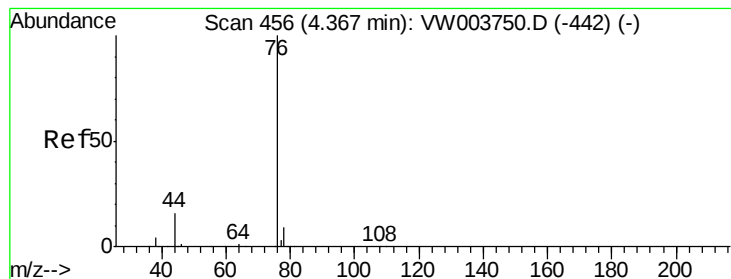
Tgt Ion: 43 Resp: 49348

Ion Ratio Lower Upper

43 100

58 27.2 22.6 34.0





#17

Carbon Disulfide

Concen: 21.944 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

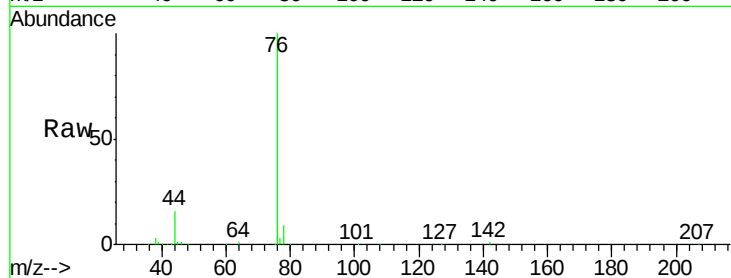
VW0709SBS02

Tot Ion: 76 Resp: 133414

Ion Ratio Lower Upper

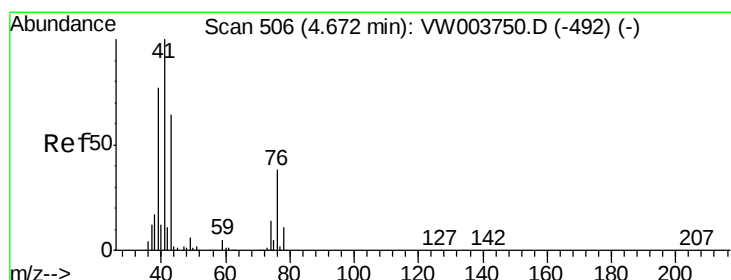
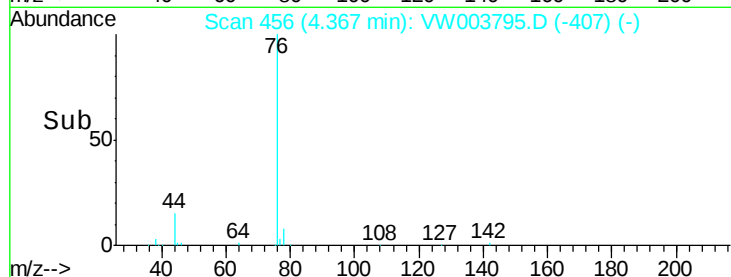
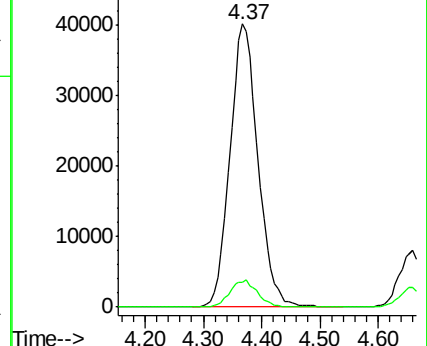
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.965 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.01 min

Lab File: VW003795.D

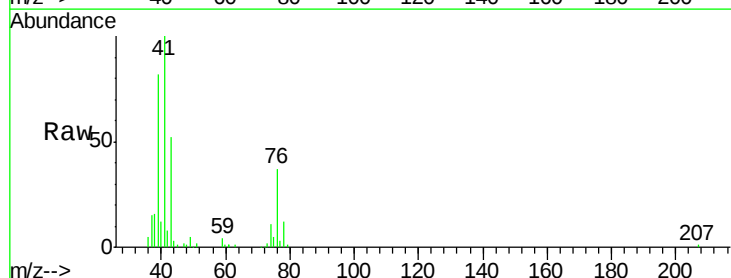
Acq: 10 Jul 2018 00:39

Tgt Ion: 43 Resp: 27737

Ion Ratio Lower Upper

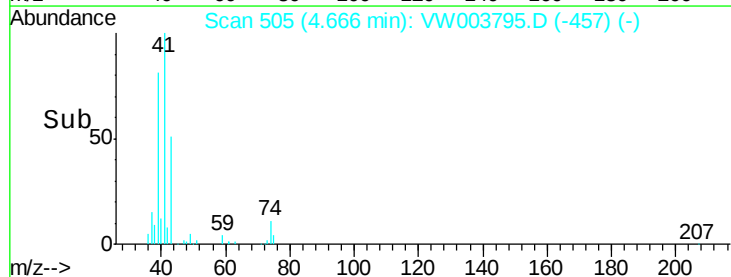
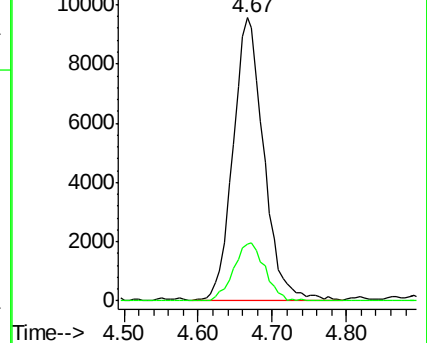
43 100

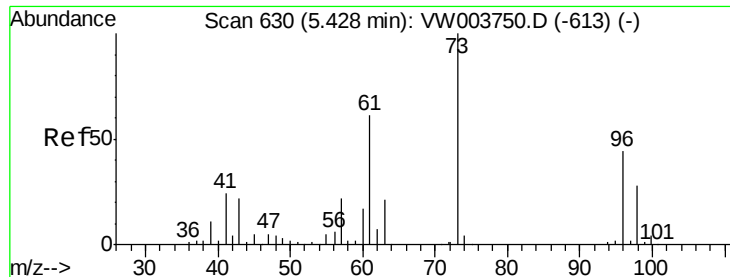
74 20.7 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

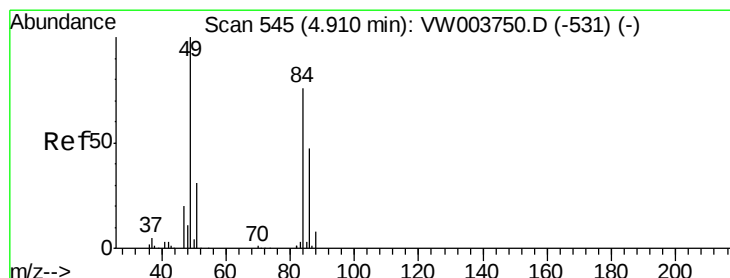
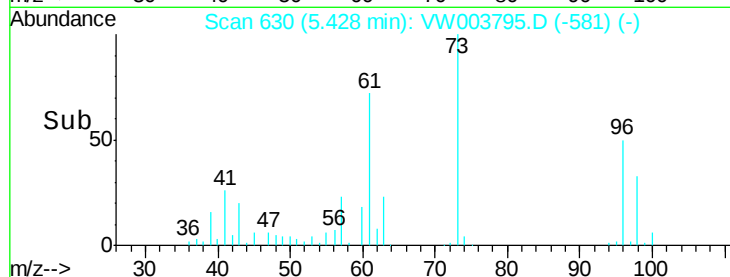
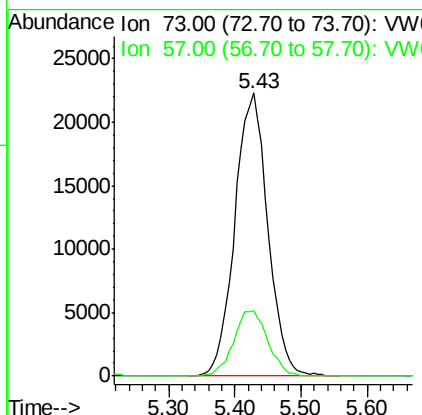
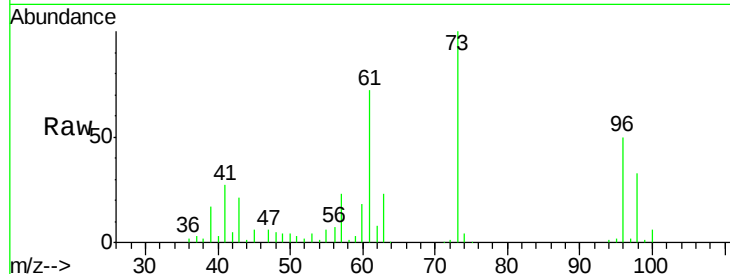




#19
Methvl tert-butvl Ether
Concen: 20.155 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

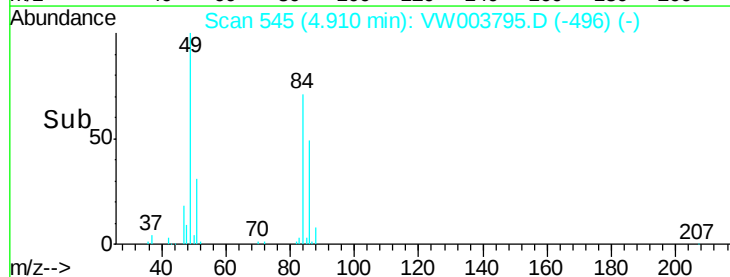
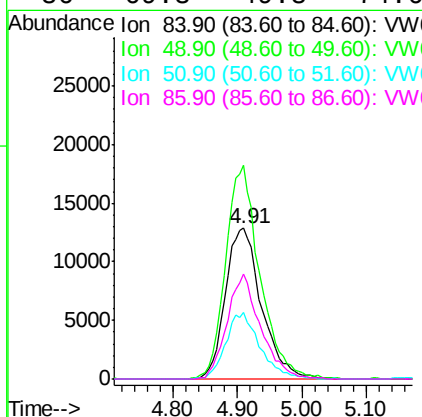
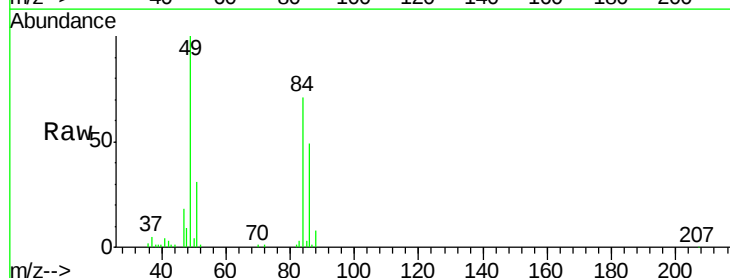
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

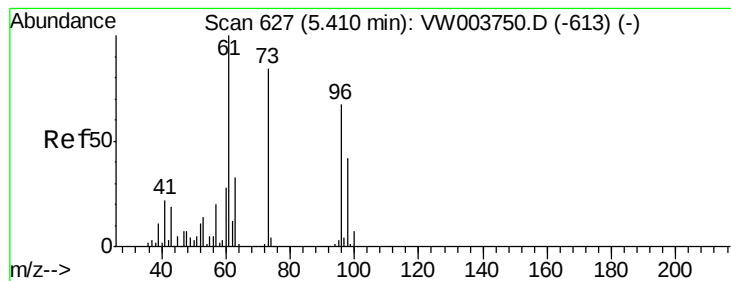
Tot Ion: 73 Resp: 77236
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9



#20
Methylene Chloride
Concen: 20.503 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion: 84 Resp: 50401
Ion Ratio Lower Upper
84 100
49 141.5 105.1 157.7
51 44.2 32.5 48.7
86 69.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.918 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

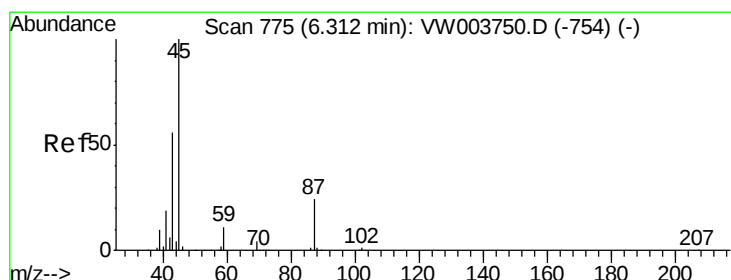
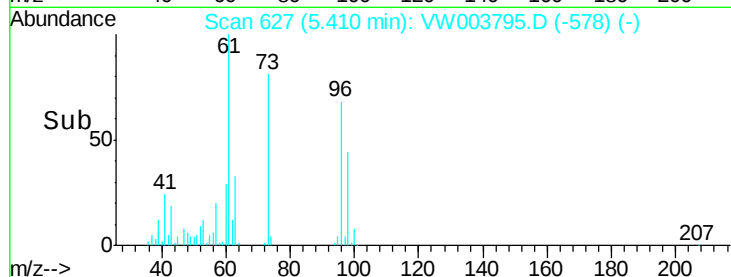
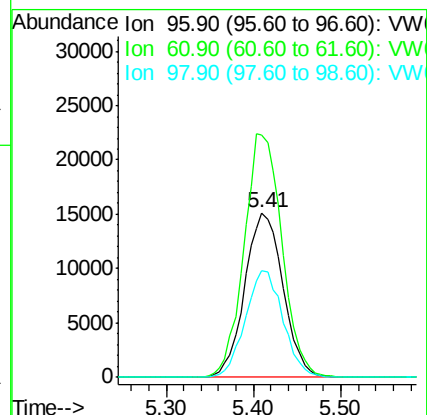
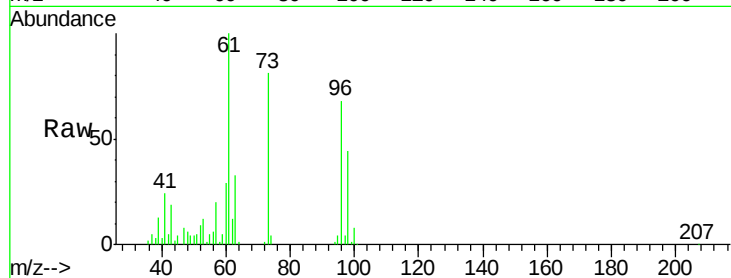
Tot Ion: 96 Resp: 45925

Ion Ratio Lower Upper

96 100

61 146.9 119.0 178.6

98 65.0 49.8 74.8



#22

Diisopropyl ether

Concen: 20.580 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Tgt Ion: 45 Resp: 145874

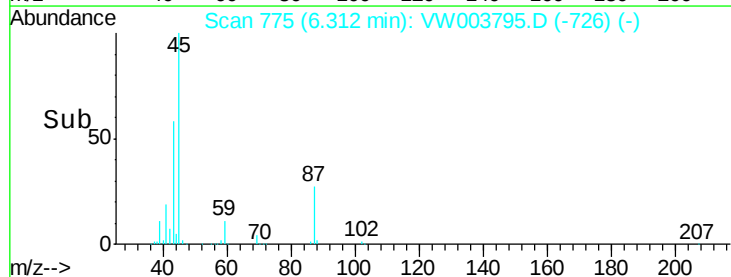
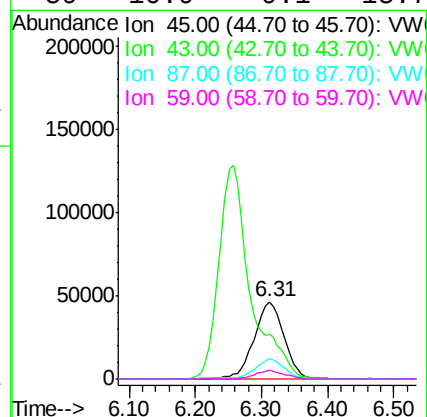
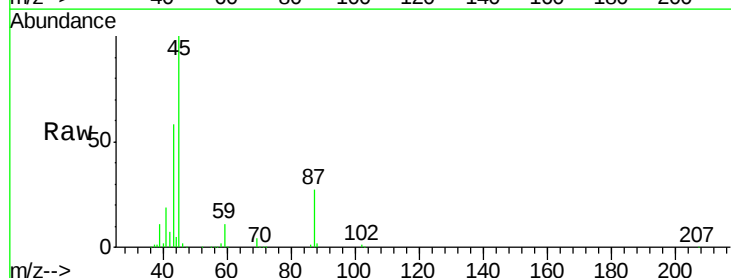
Ion Ratio Lower Upper

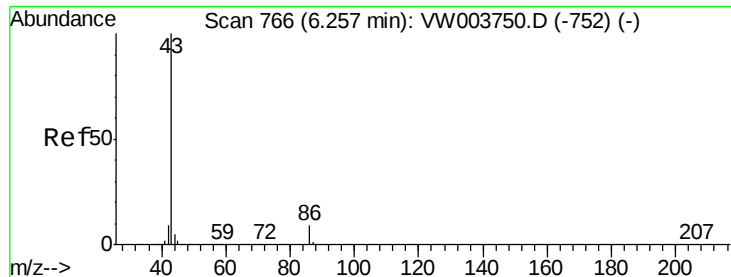
45 100

43 57.8 44.5 66.7

87 26.4 19.6 29.4

59 10.9 9.1 13.7





#23

Vinyl Acetate

Concen: 98.368 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

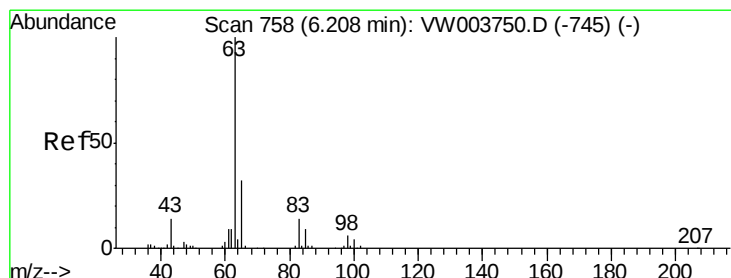
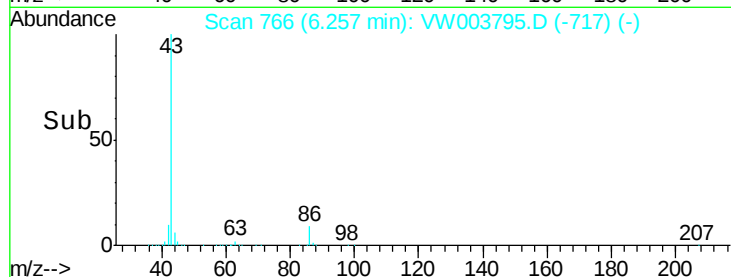
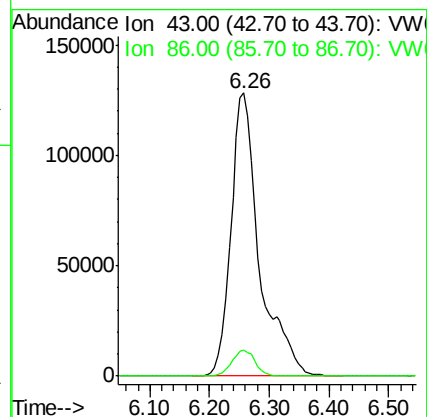
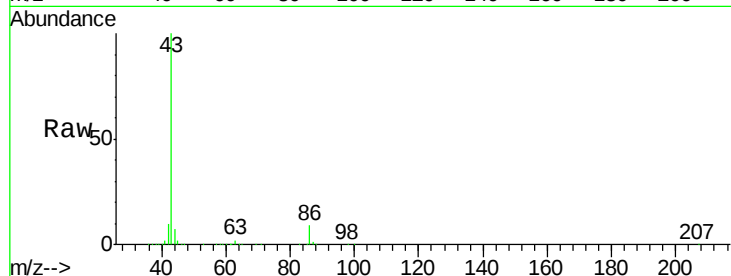
VW0709SBS02

Tot Ion: 43 Resp: 425636

Ion Ratio Lower Upper

43 100

86 9.3 7.3 10.9



#24

1,1-Dichloroethane

Concen: 20.214 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

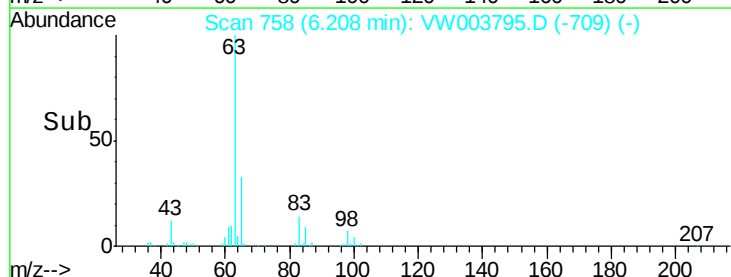
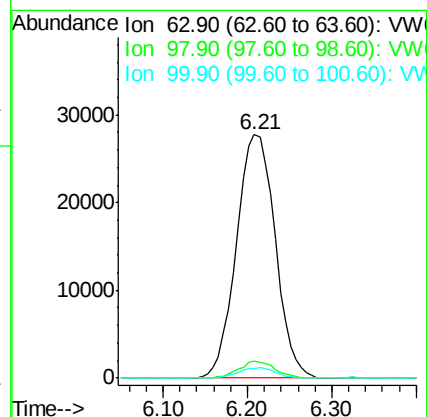
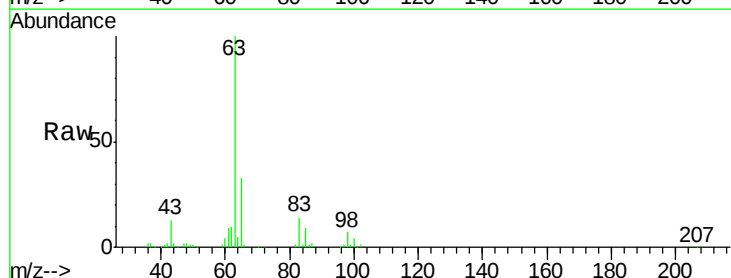
Tgt Ion: 63 Resp: 86658

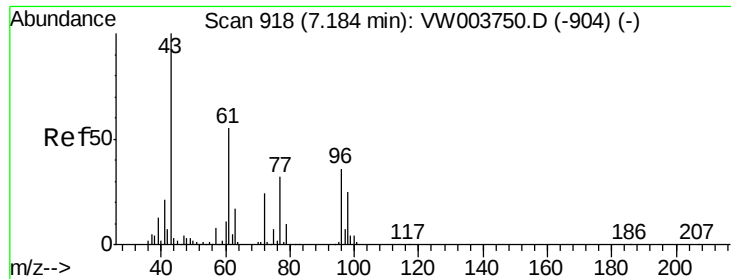
Ion Ratio Lower Upper

63 100

98 7.1 3.2 9.6

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 101.526 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

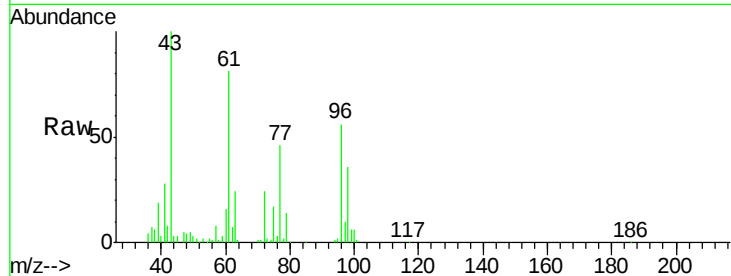
VW0709SBS02

Tot Ion: 43 Resp: 71224

Ion Ratio Lower Upper

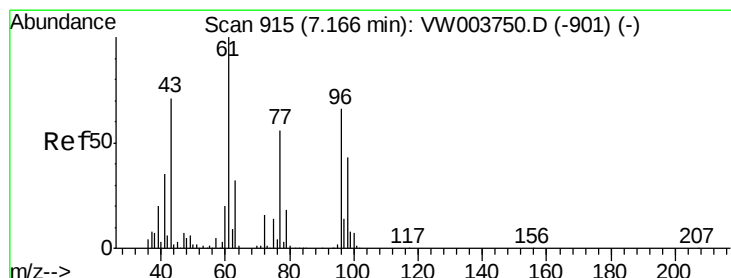
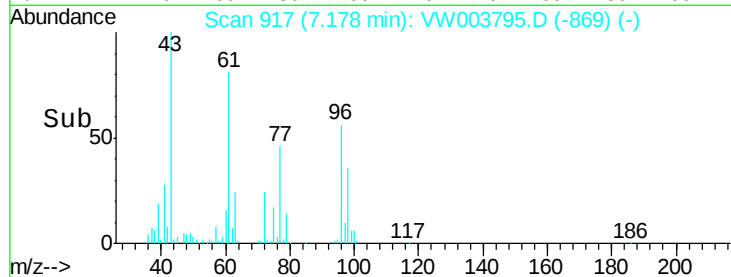
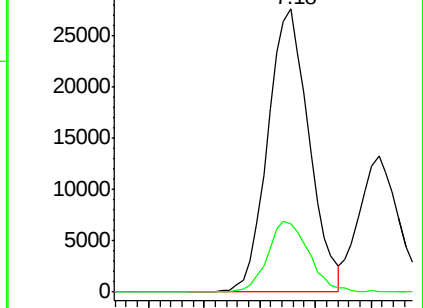
43 100

72 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 19.773 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW003795.D

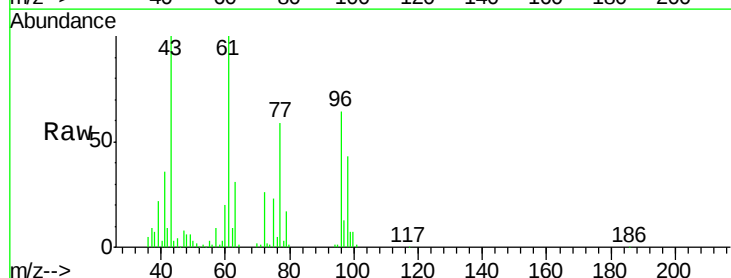
Acq: 10 Jul 2018 00:39

Tgt Ion: 77 Resp: 45977

Ion Ratio Lower Upper

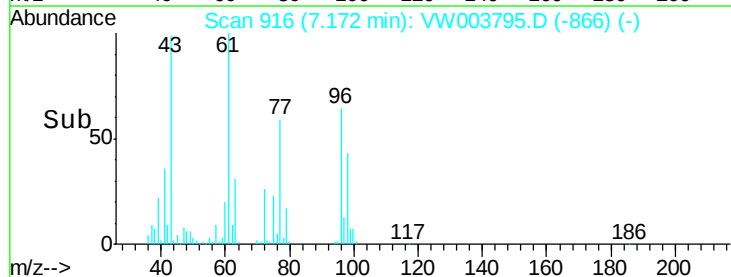
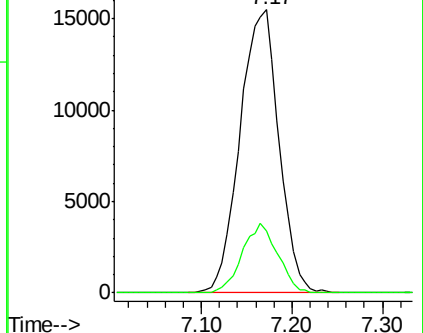
77 100

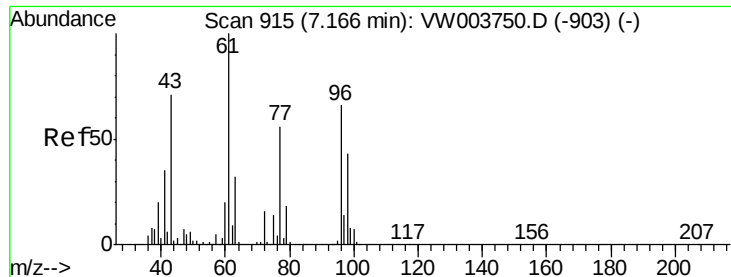
97 22.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



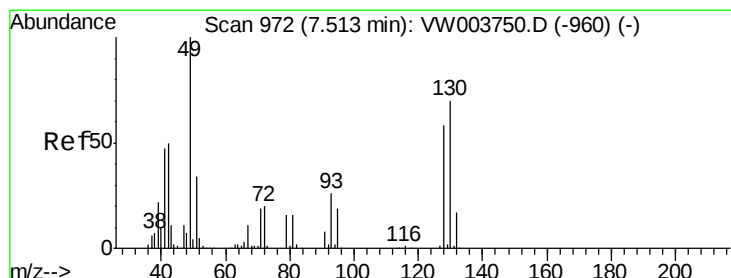
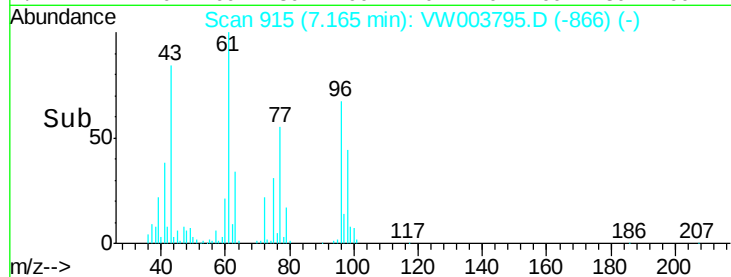
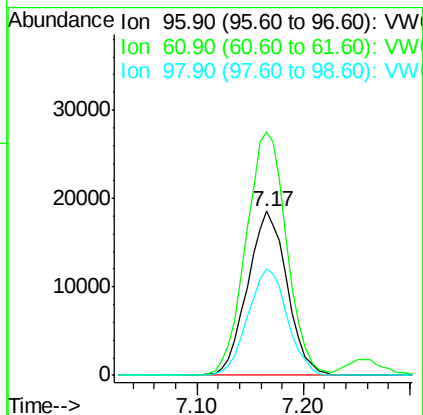
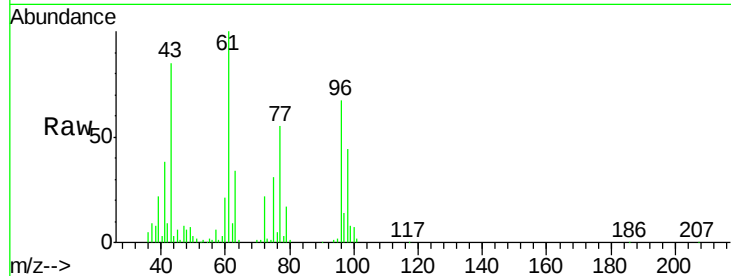


#27

cis-1,2-Dichloroethene
 Concen: 19.914 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

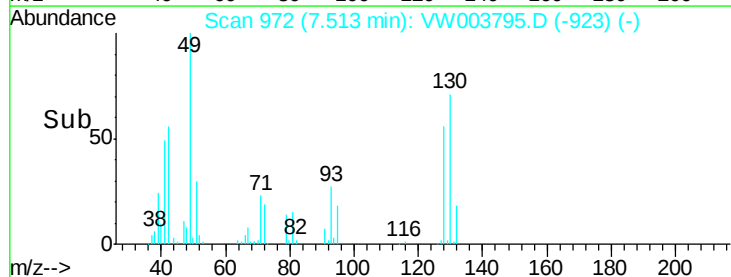
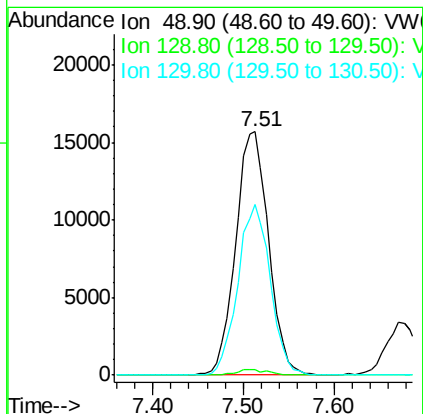
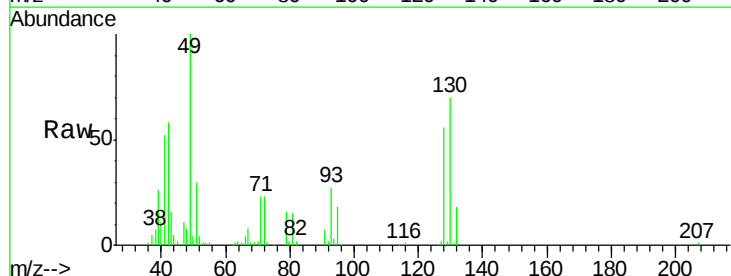
Tot Ion	96	Resp	48346
Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	300.8
98	64.8	0.0	128.6

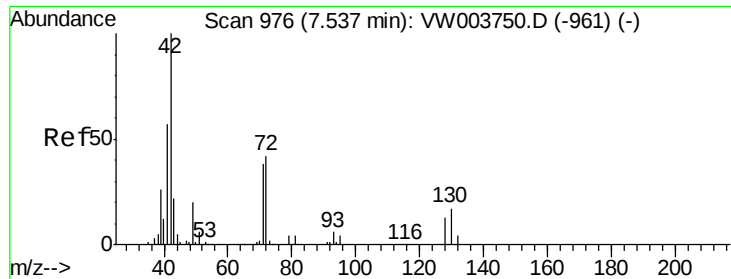


#28

Bromochloromethane
 Concen: 20.671 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Tgt Ion	49	Resp	39478
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	69.0	56.9	85.3

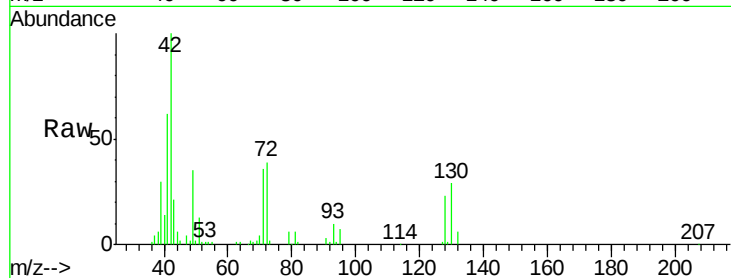




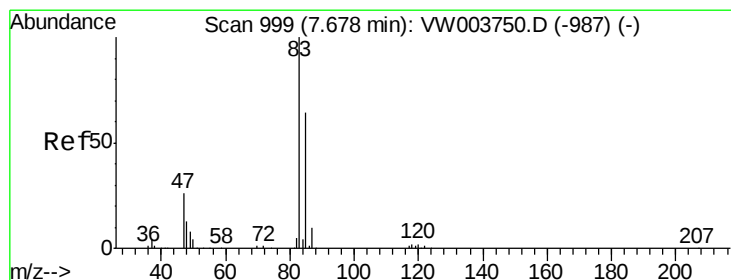
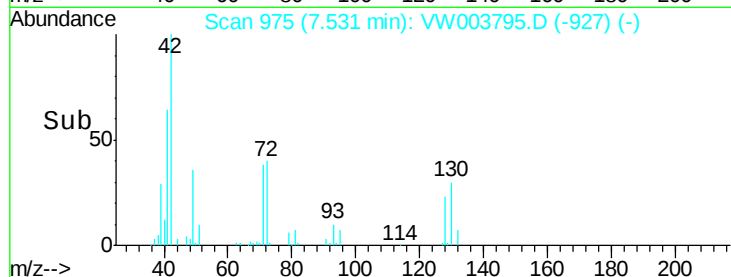
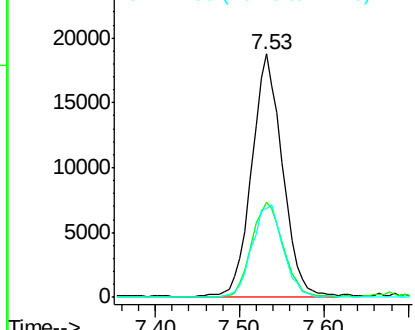
#29
Tetrahydrofuran
Concen: 104.300 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.01 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.8	47.8
71	38.0	30.3	45.5

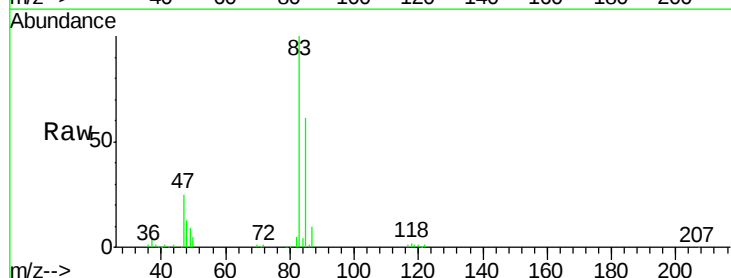


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

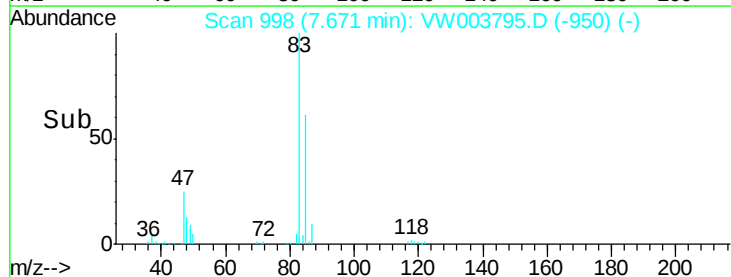
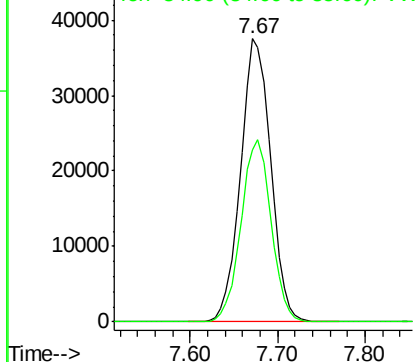


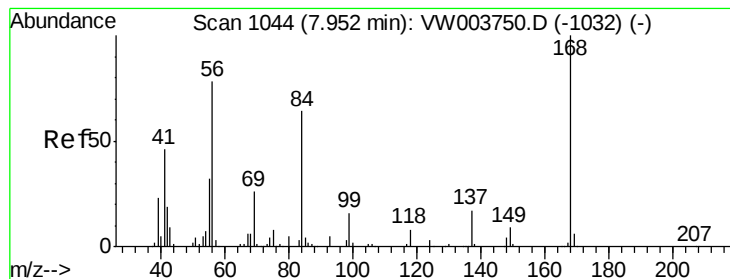
#30
Chloroform
Concen: 20.548 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.5	77.3



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





#31

Cyclohexane

Concen: 19.926 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

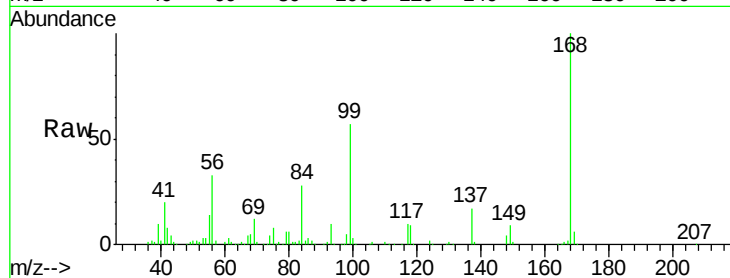
Tot Ion: 56 Resp: 75067

Ion Ratio Lower Upper

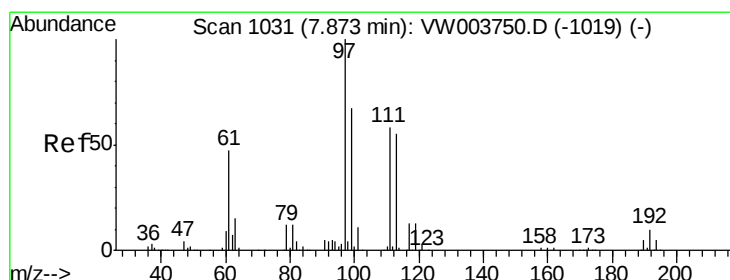
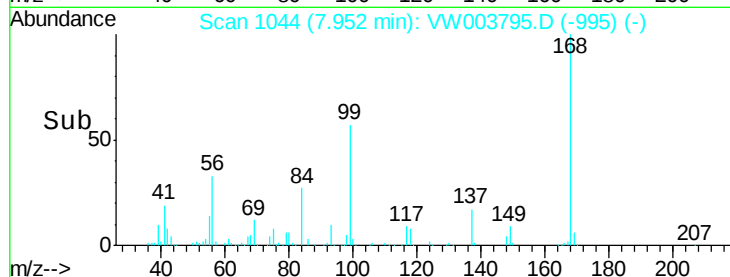
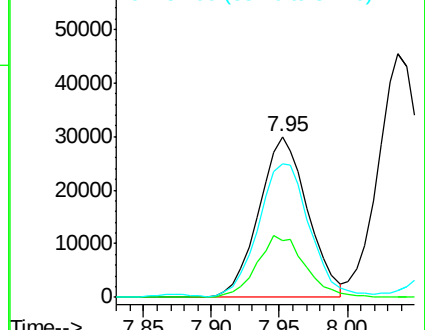
56 100

69 35.6 26.2 39.4

84 81.6 65.5 98.3



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



#32

1,1,1-Trichloroethane

Concen: 20.820 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

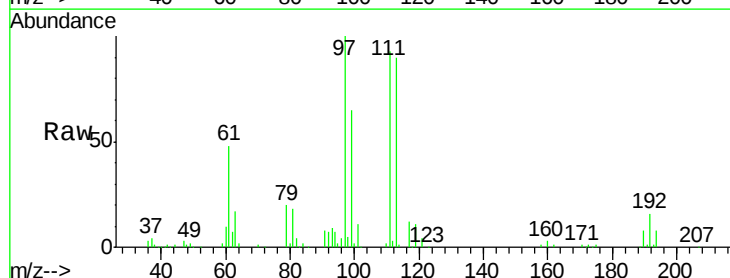
Tgt Ion: 97 Resp: 69298

Ion Ratio Lower Upper

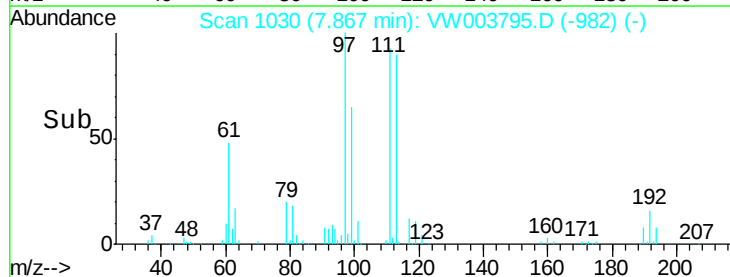
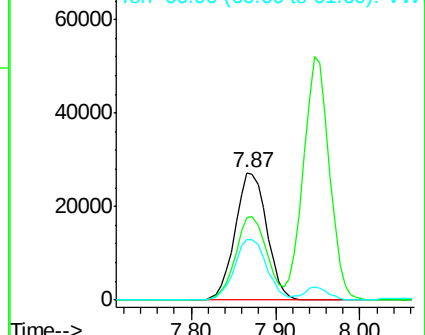
97 100

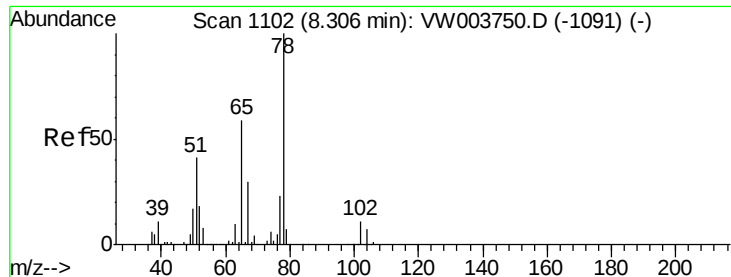
99 65.3 51.2 76.8

61 48.1 37.6 56.4



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





#33

1,2-Dichloroethane-d4

Concen: 49.820 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

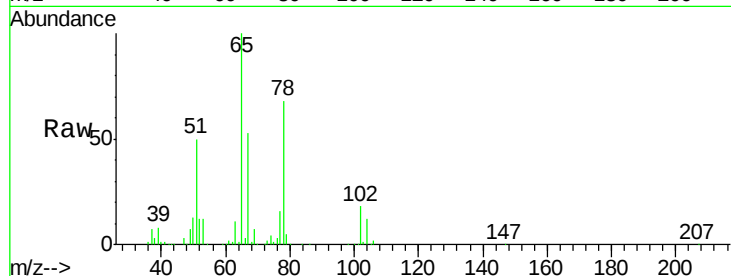
VW0709SBS02

Tot Ion: 65 Resp: 128617

Ion Ratio Lower Upper

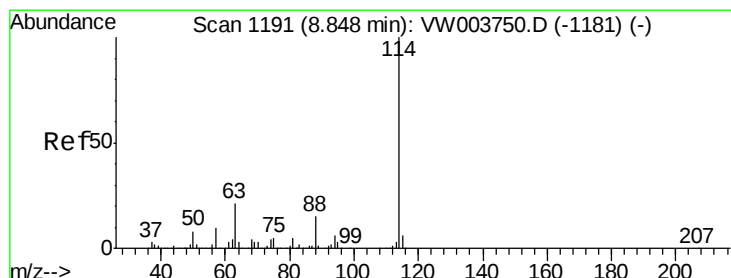
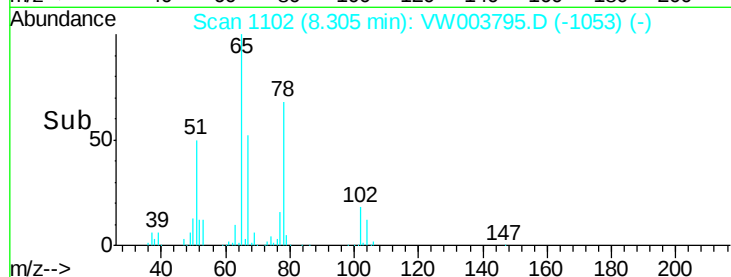
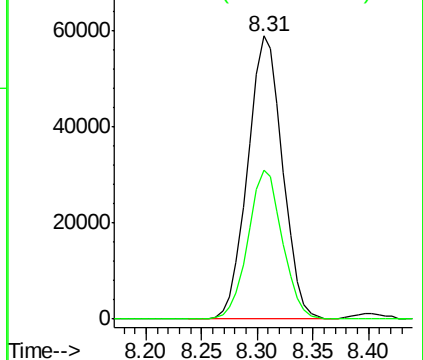
65 100

67 51.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

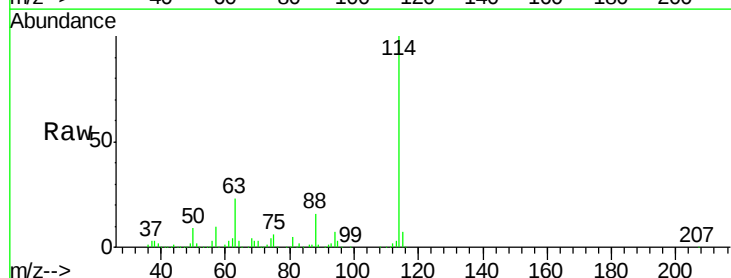
Tgt Ion: 114 Resp: 314090

Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.8

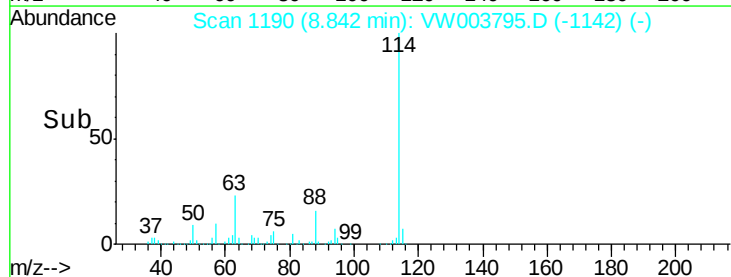
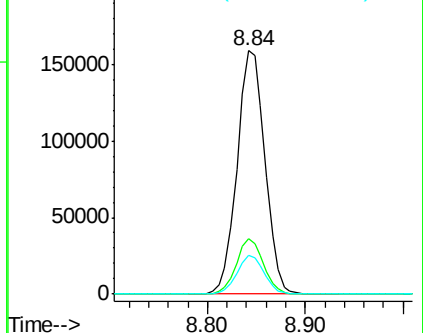
88 15.8 0.0 30.2

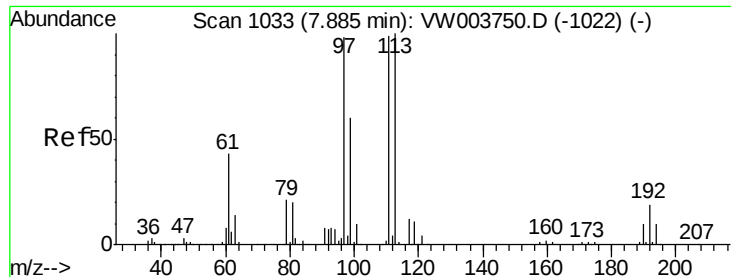


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

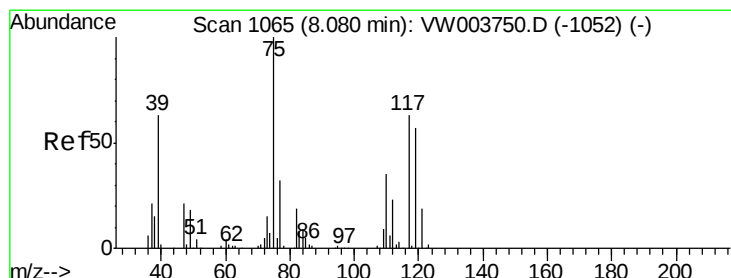
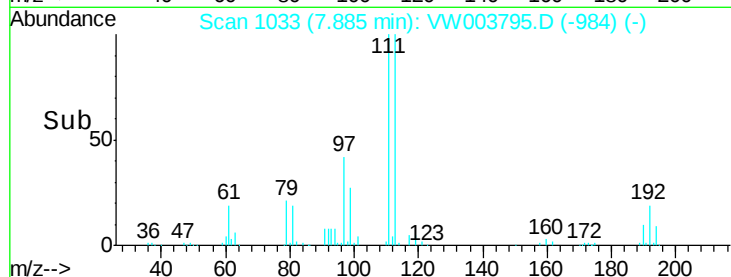
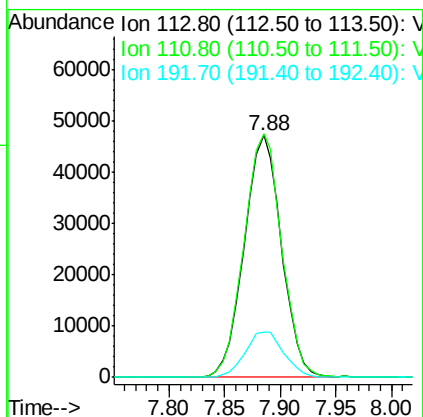
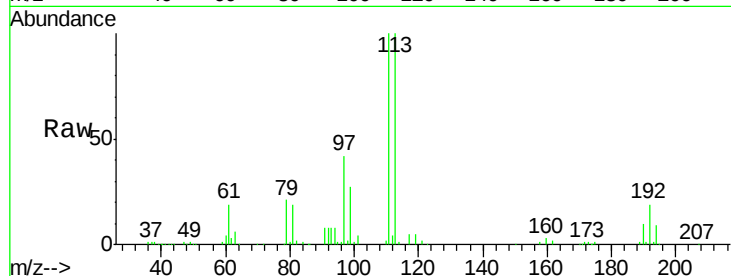




#35
 Dibromofluoromethane
 Concen: 49.943 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

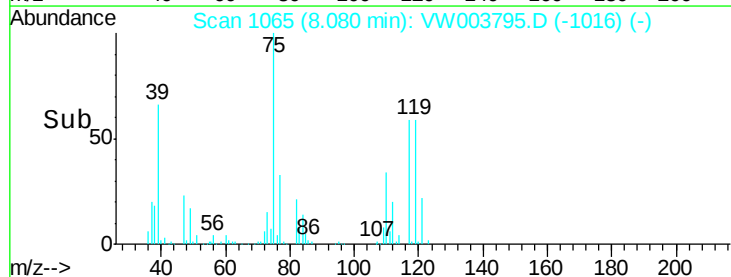
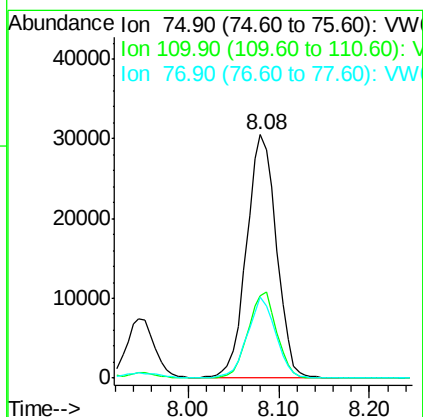
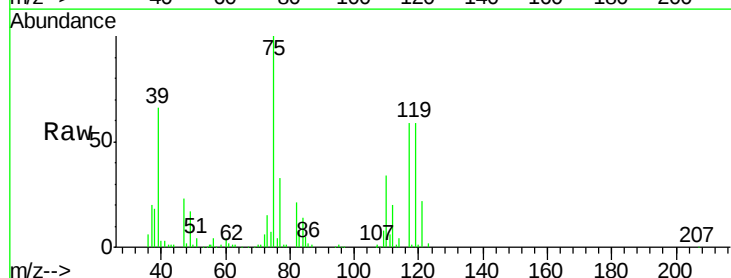
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

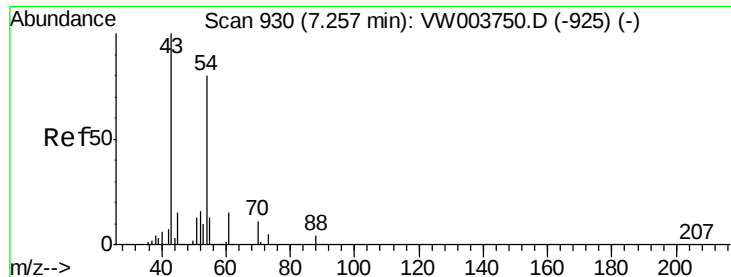
Tot Ion:113 Resp: 109788
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.7 122.5
 192 19.5 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 20.964 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Tgt Ion: 75 Resp: 69866
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.9 50.6
 77 31.5 24.8 37.2

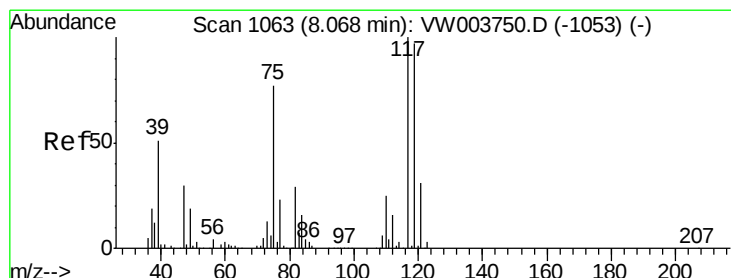
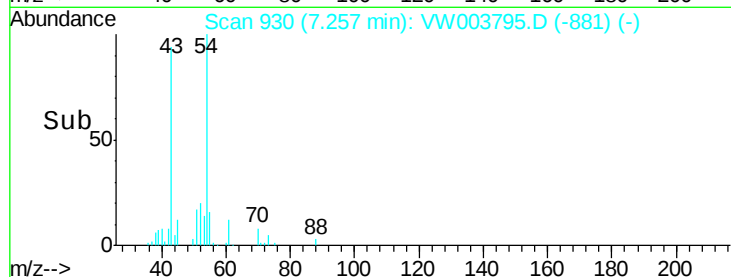
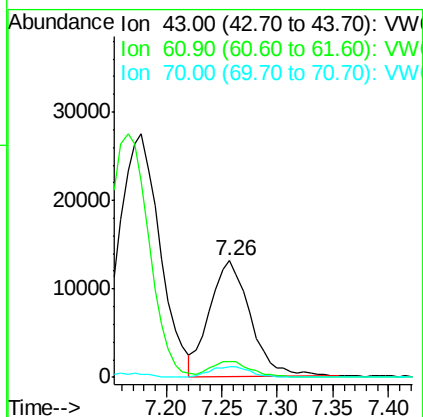
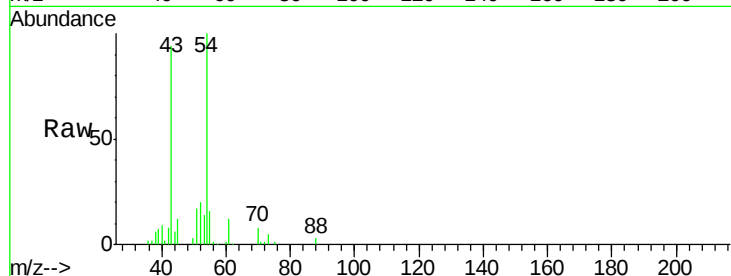




#37
Ethyl Acetate
Concen: 20.637 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

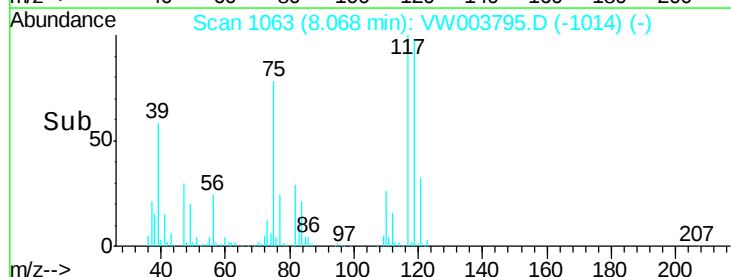
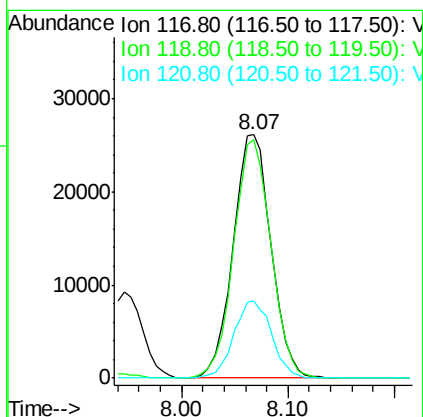
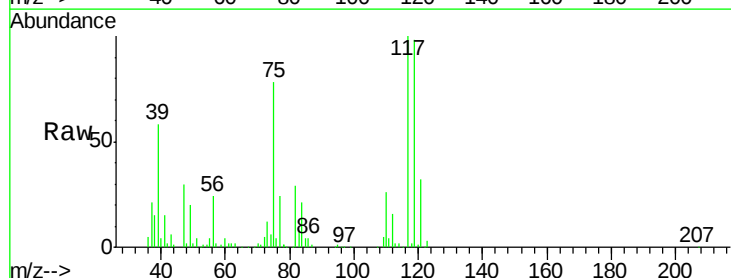
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

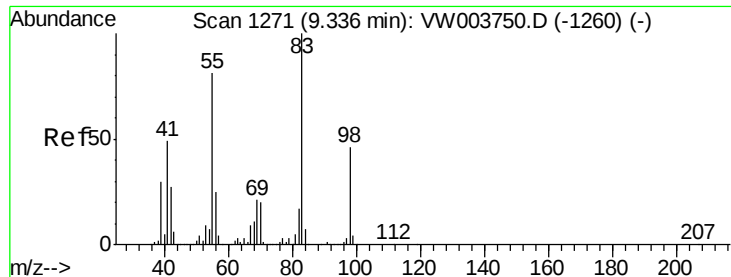
Tot Ion: 43 Resp: 33464
Ion Ratio Lower Upper
43 100
61 13.9 10.6 15.8
70 9.2 7.5 11.3



#38
Carbon Tetrachloride
Concen: 20.612 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion: 117 Resp: 65313
Ion Ratio Lower Upper
117 100
119 98.2 77.4 116.2
121 31.7 24.6 37.0

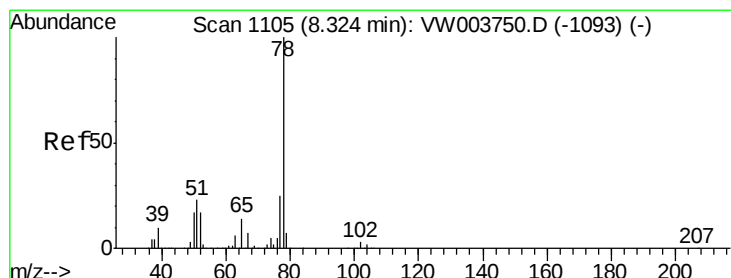
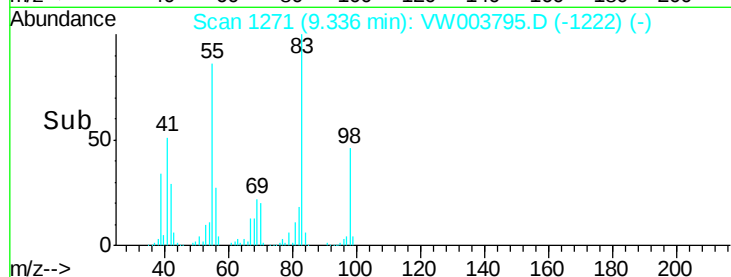
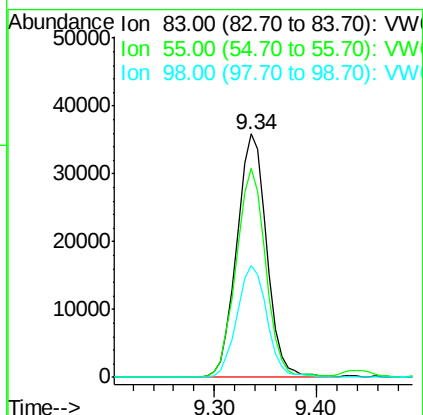
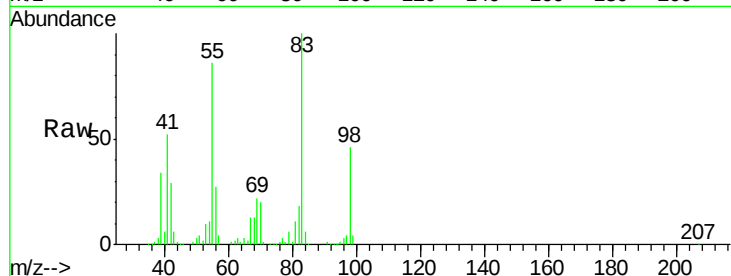




#39
Methvlcvclohexane
Concen: 19.982 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

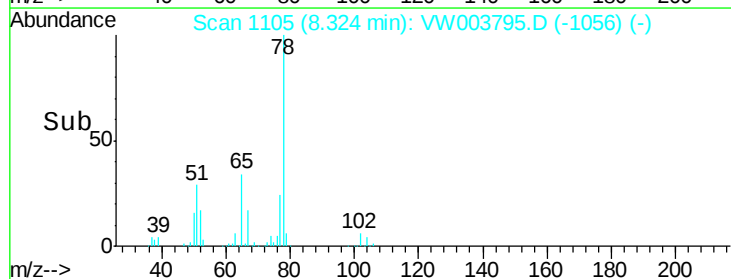
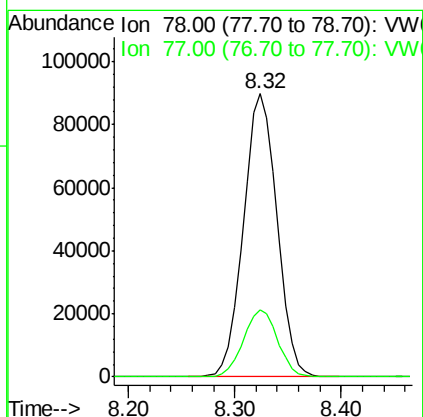
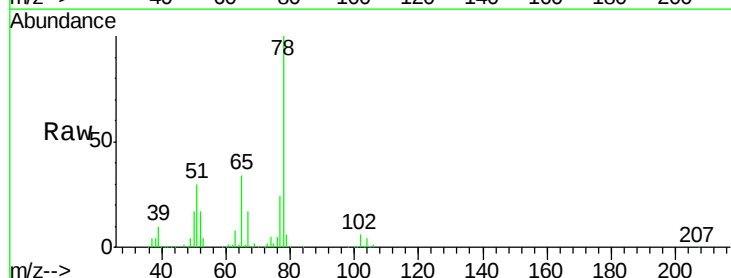
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

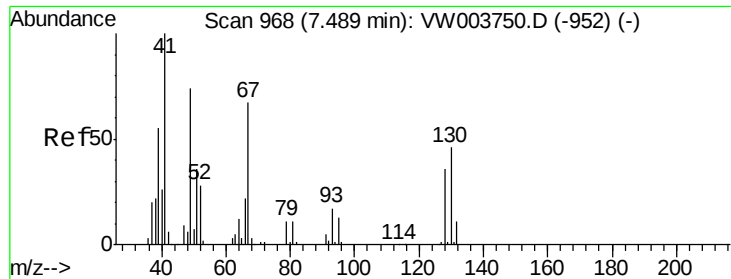
Tot Ion: 83 Resp: 72934
Ion Ratio Lower Upper
83 100
55 85.7 65.1 97.7
98 45.7 36.7 55.1



#40
Benzene
Concen: 20.805 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion: 78 Resp: 198218
Ion Ratio Lower Upper
78 100
77 23.9 19.7 29.5

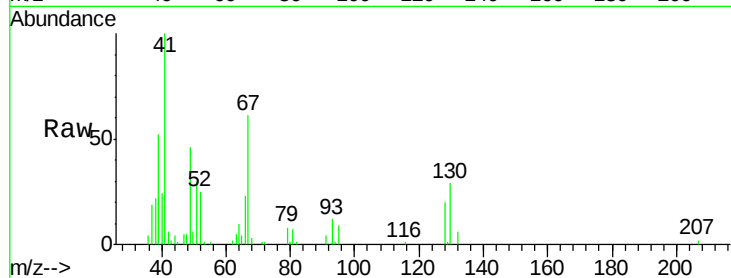




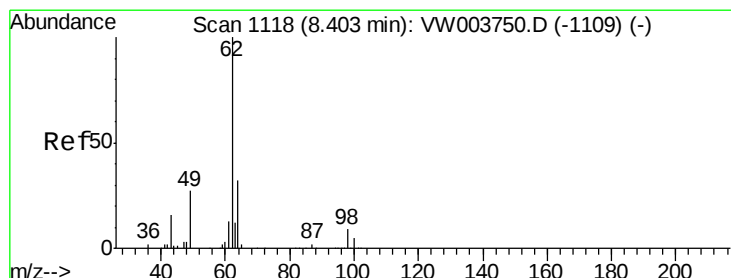
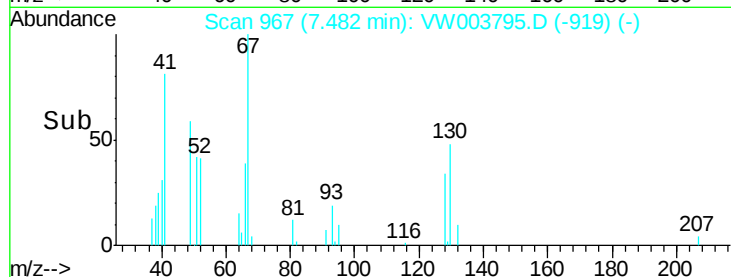
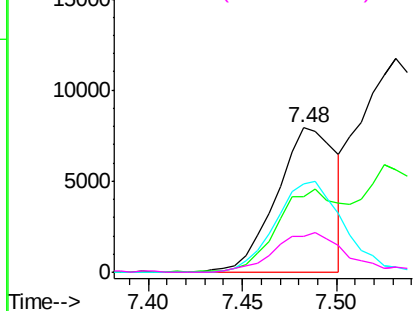
#41
Methacrylonitrile
Concen: 18.582 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

Tot Ion:	41	Resp:	17333
Ion	Ratio	Lower	Upper
41	100		
39	65.0	49.5	74.3
67	71.7	53.8	80.8
52	33.7	24.3	36.5

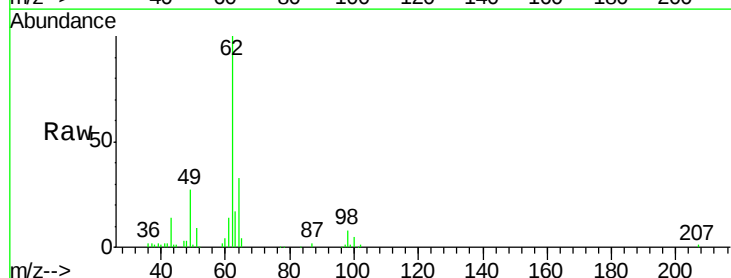


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

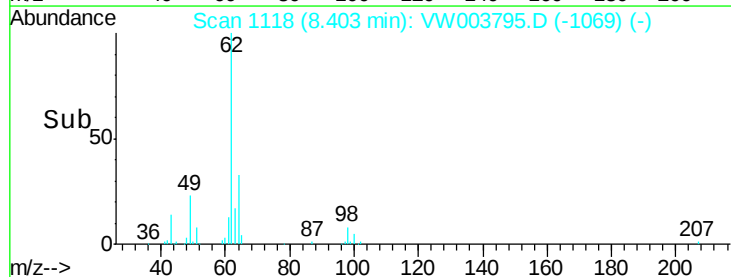
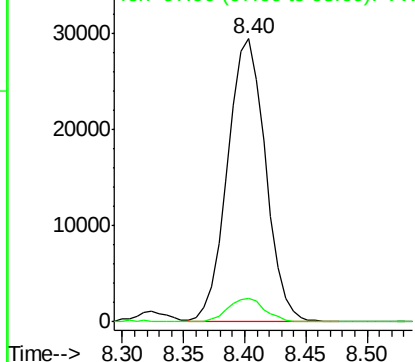


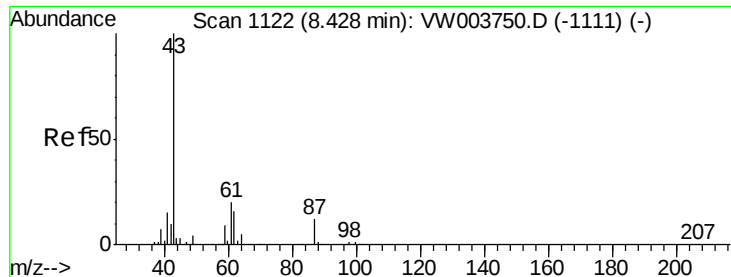
#42
1,2-Dichloroethane
Concen: 20.547 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion:	62	Resp:	63357
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.690 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

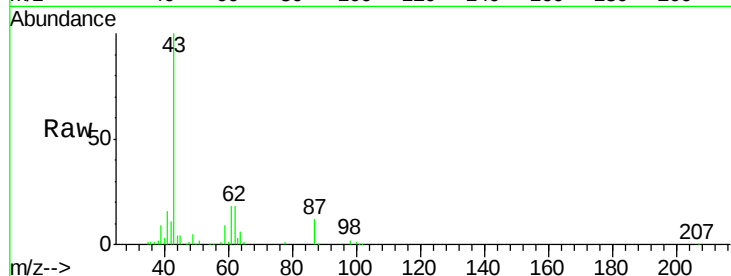
Tot Ion: 43 Resp: 60512

Ion Ratio Lower Upper

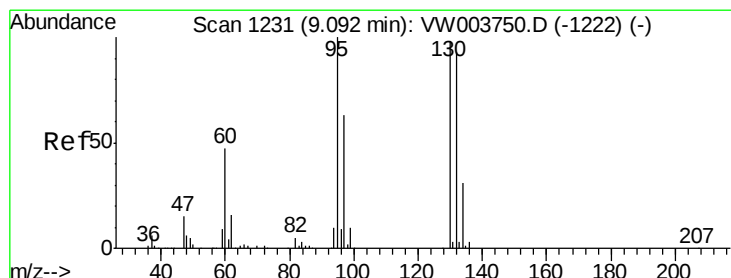
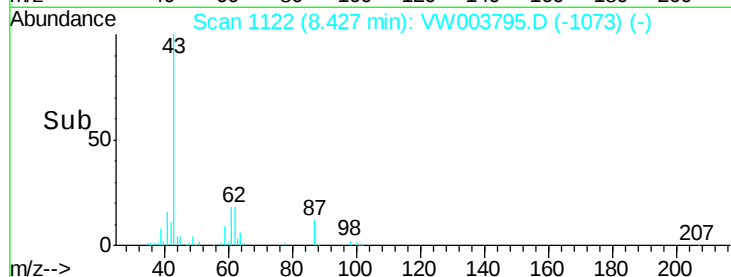
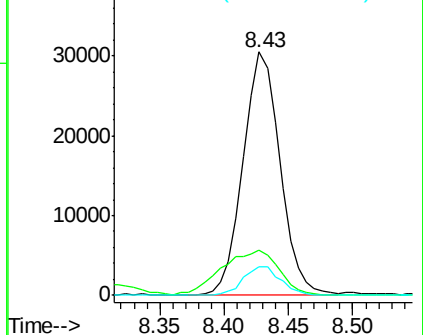
43 100

61 29.1 22.8 34.2

87 12.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.656 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003795.D

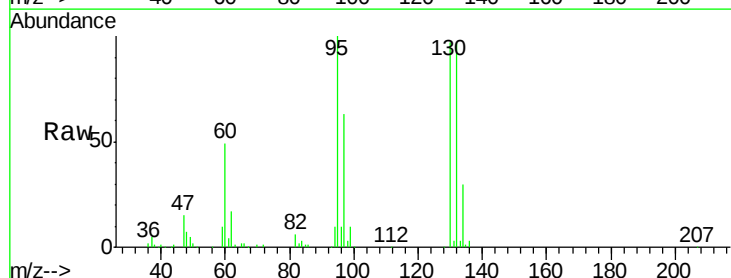
Acq: 10 Jul 2018 00:39

Tgt Ion: 130 Resp: 49615

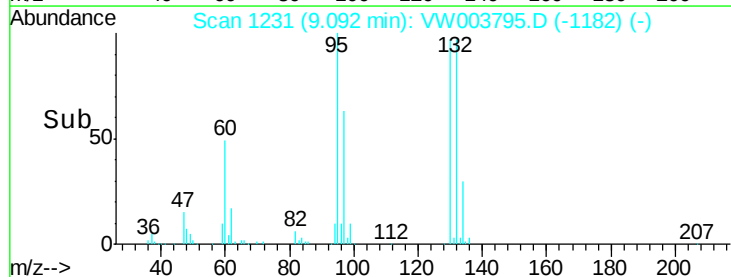
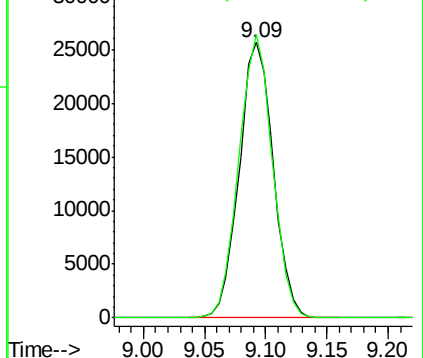
Ion Ratio Lower Upper

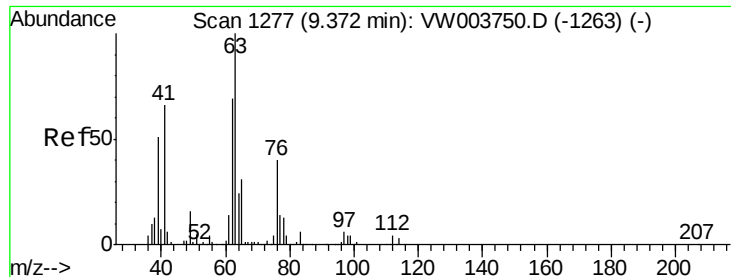
130 100

95 102.8 0.0 203.8



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





#45

1,2-Dichloropropane

Concen: 20.731 ug/l

RT: 9.37 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampled :

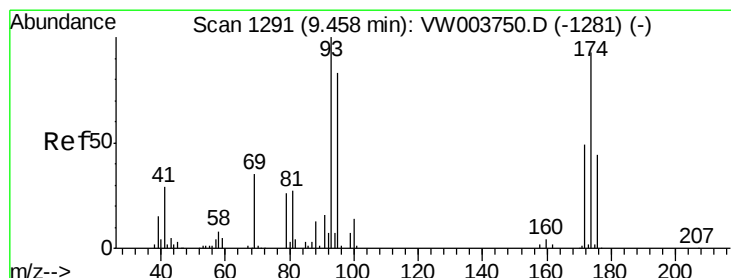
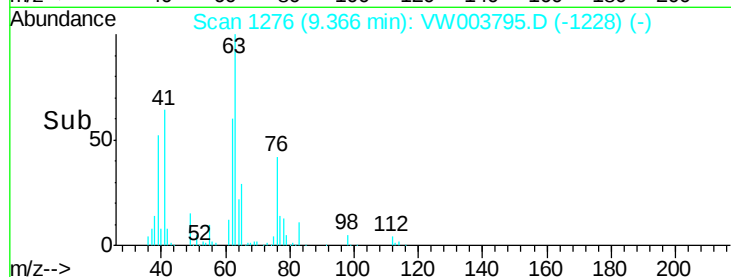
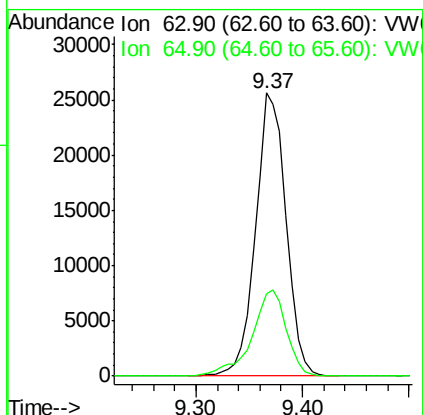
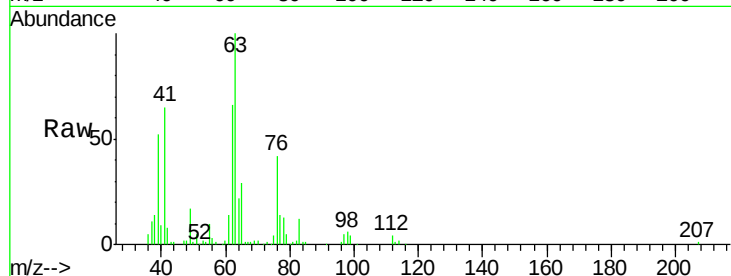
VW0709SBS02

Tot Ion: 63 Resp: 51358

Ion Ratio Lower Upper

63 100

65 29.1 24.9 37.3



#46

Dibromomethane

Concen: 20.688 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

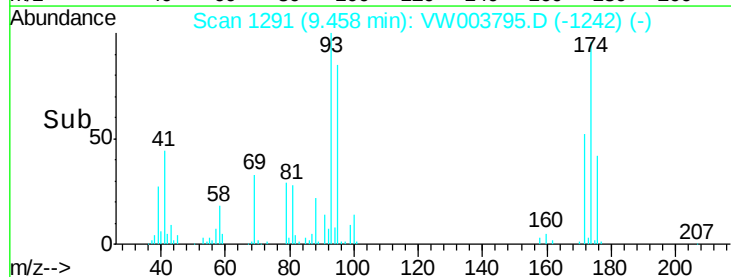
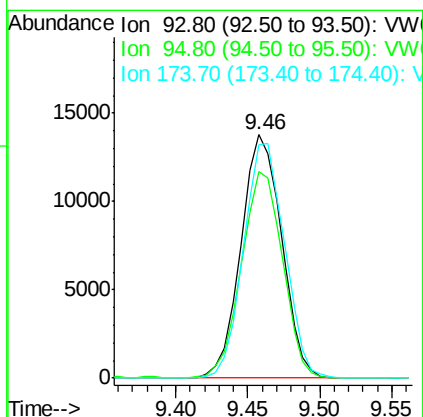
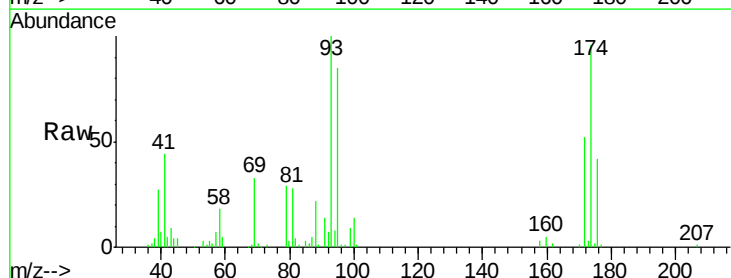
Tgt Ion: 93 Resp: 26948

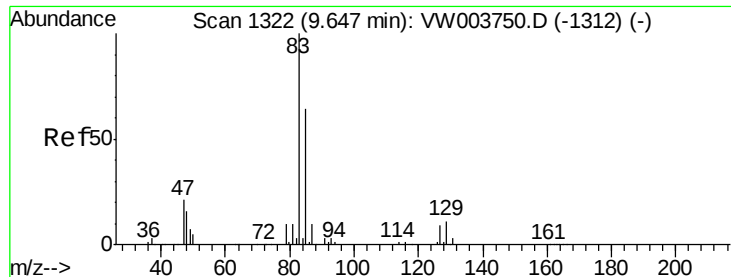
Ion Ratio Lower Upper

93 100

95 85.6 67.2 100.8

174 97.3 78.1 117.1

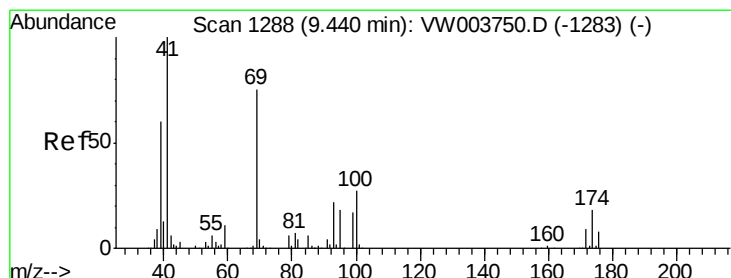
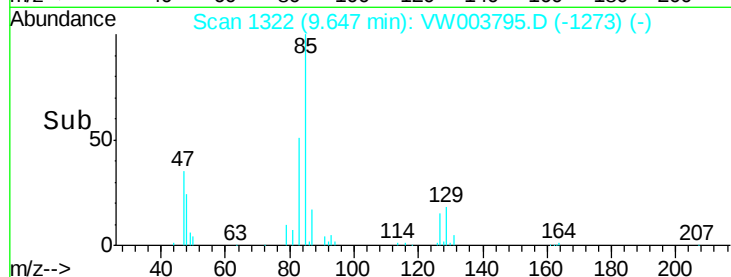
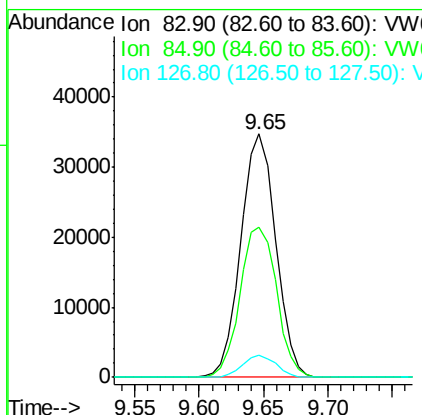
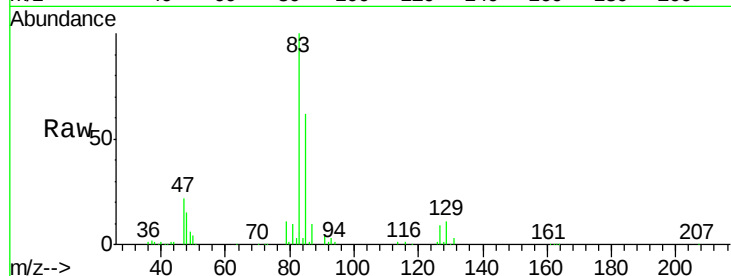




#47
 Bromodichloromethane
 Concen: 20.349 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

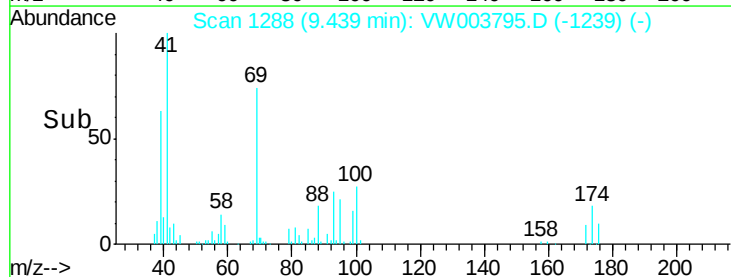
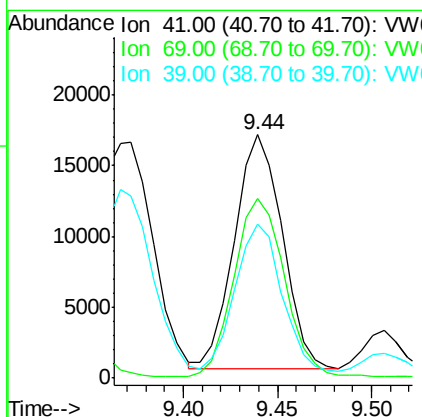
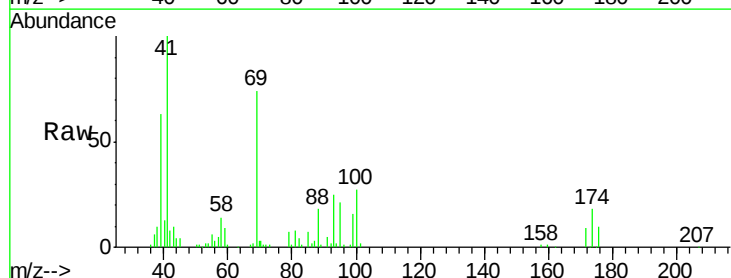
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

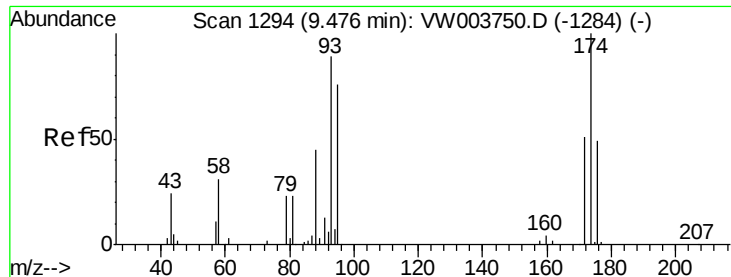
Tot Ion: 83 Resp: 65209
 Ion Ratio Lower Upper
 83 100
 85 61.7 51.4 77.0
 127 9.0 6.8 10.2



#48
 Methyl methacrylate
 Concen: 19.984 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Tgt Ion: 41 Resp: 29249
 Ion Ratio Lower Upper
 41 100
 69 83.0 63.8 95.8
 39 67.0 50.2 75.2

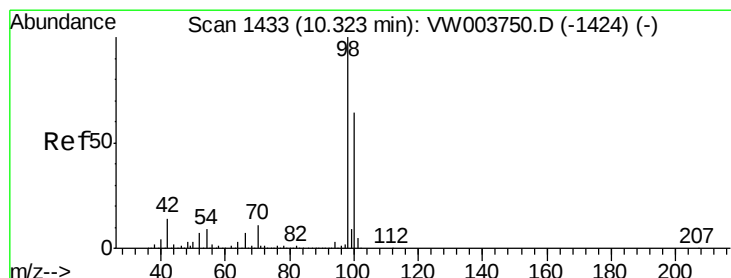
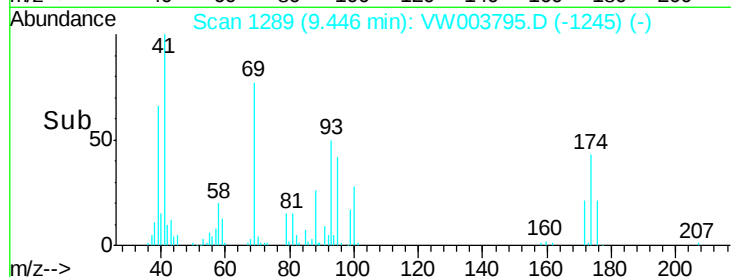
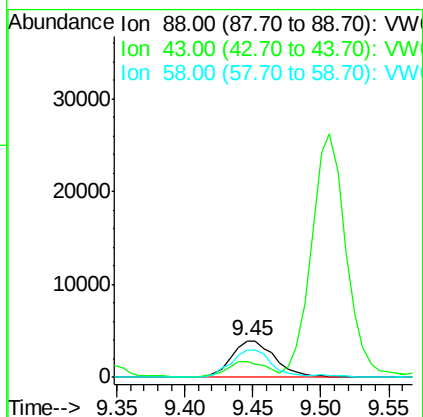
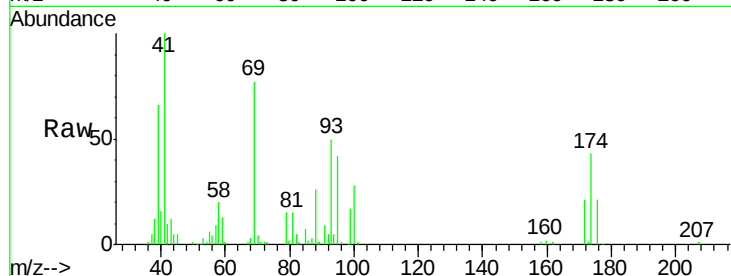




#49
 1,4-Dioxane
 Concen: 450.172 ug/l
 RT: 9.45 min Scan# 1289
 Delta R.T. -0.03 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

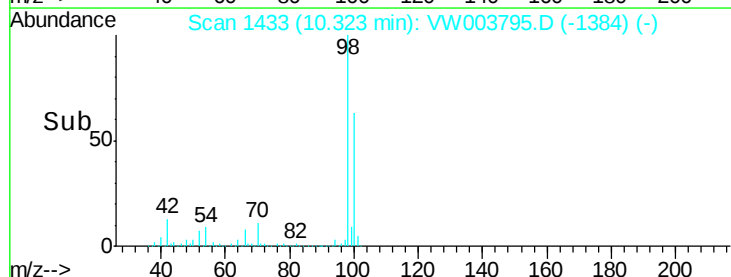
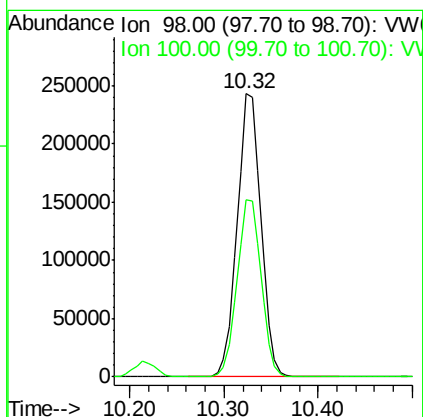
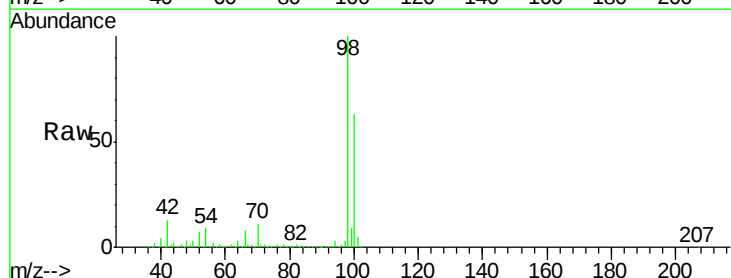
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

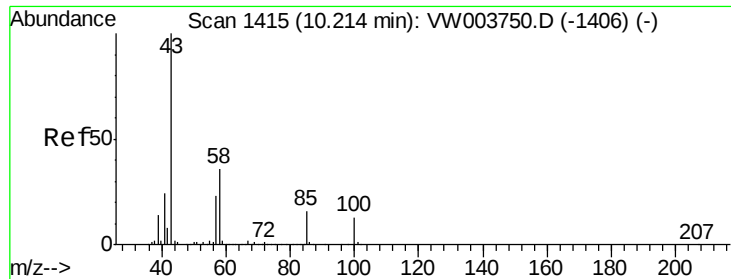
Tot Ion: 88 Resp: 8764
 Ion Ratio Lower Upper
 88 100
 43 37.5 0.0 0.0#
 58 72.2 59.7 89.5



#50
 Toluene-d8
 Concen: 50.794 ug/l
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Tgt Ion: 98 Resp: 427117
 Ion Ratio Lower Upper
 98 100
 100 63.5 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 105.746 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampled :

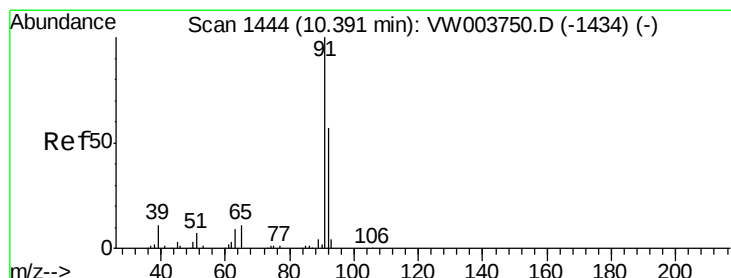
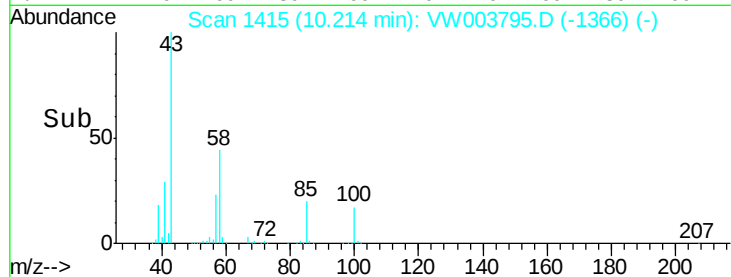
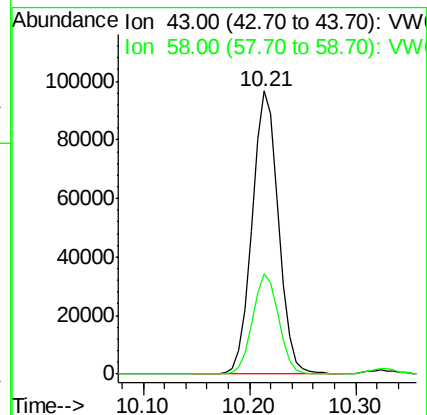
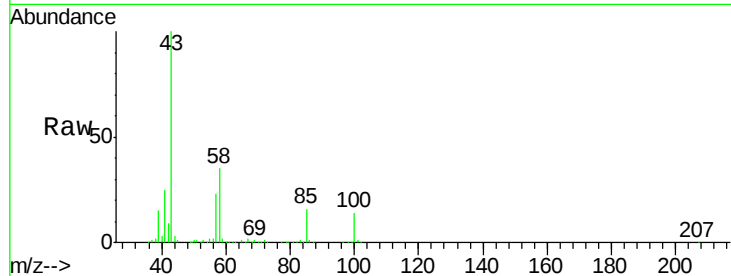
VW0709SBS02

Tot Ion: 43 Resp: 168174

Ion Ratio Lower Upper

43 100

58 35.2 29.3 43.9



#52

Toluene

Concen: 21.045 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003795.D

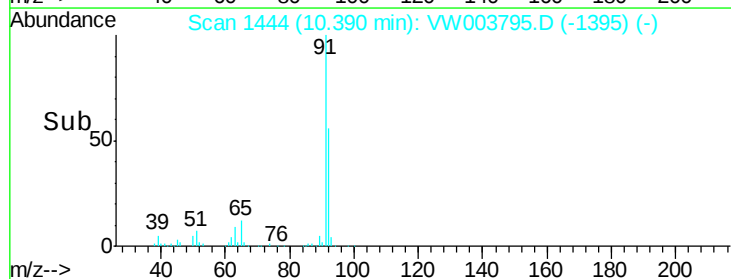
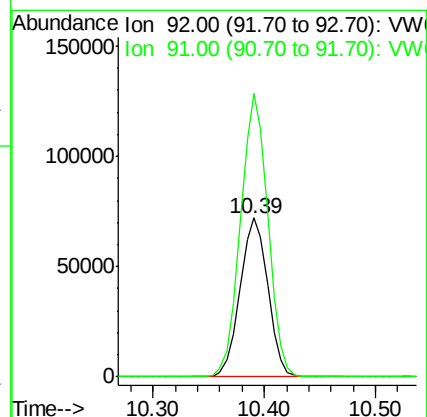
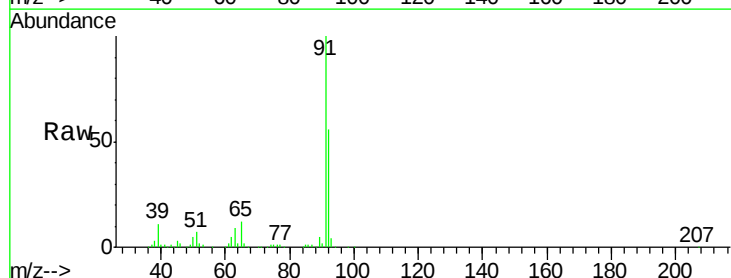
Acq: 10 Jul 2018 00:39

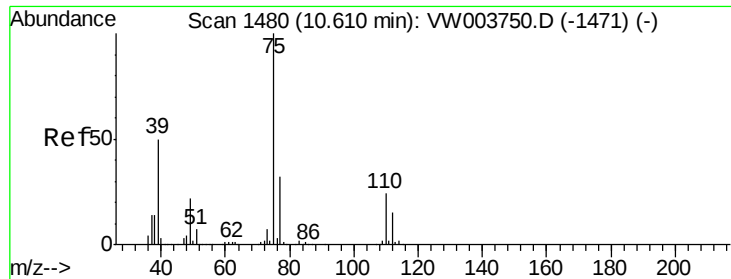
Tgt Ion: 92 Resp: 124333

Ion Ratio Lower Upper

92 100

91 175.4 140.6 211.0

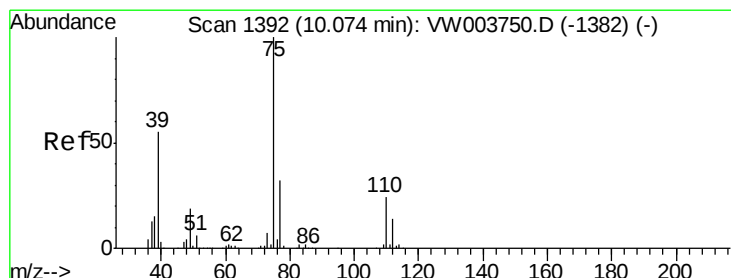
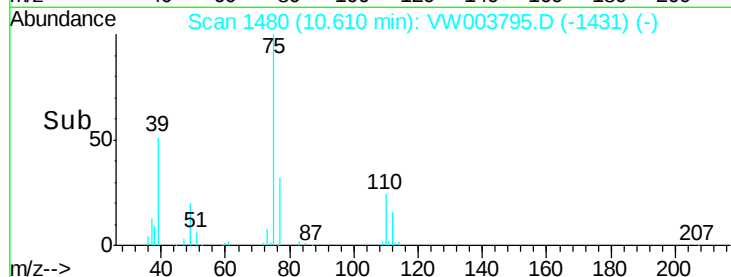
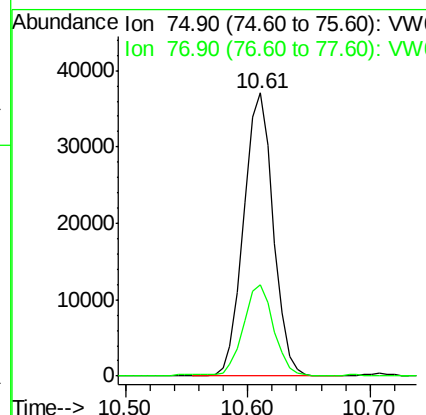
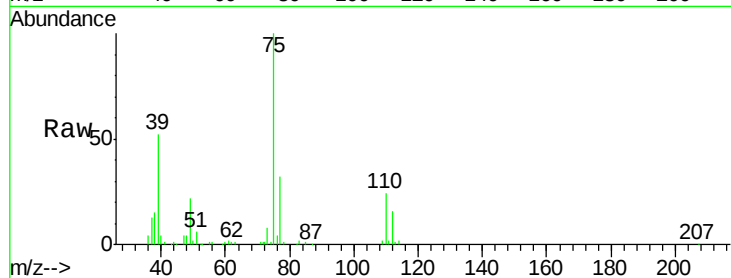




#53
t-1,3-Dichloropropene
Concen: 19.414 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

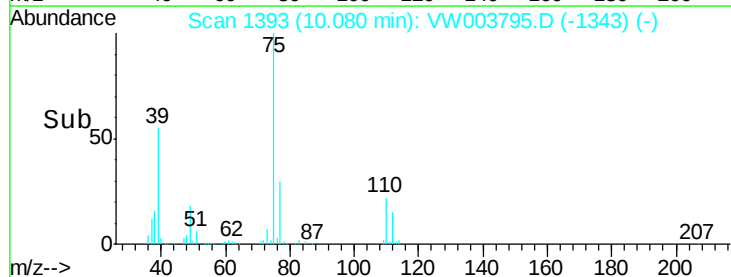
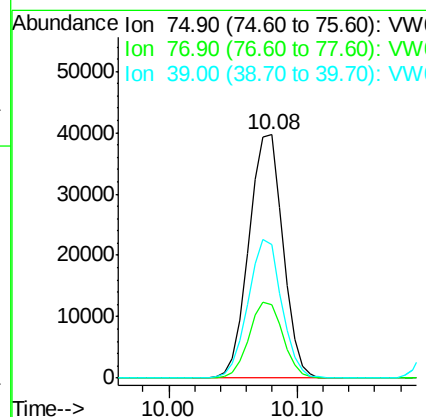
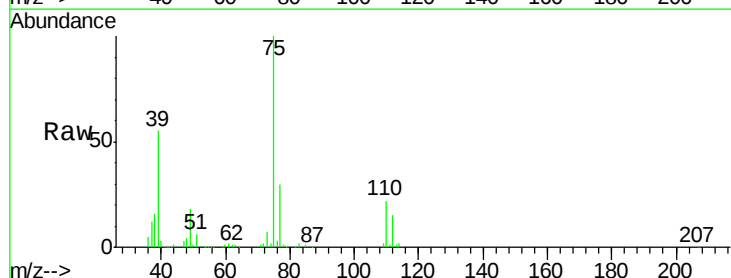
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

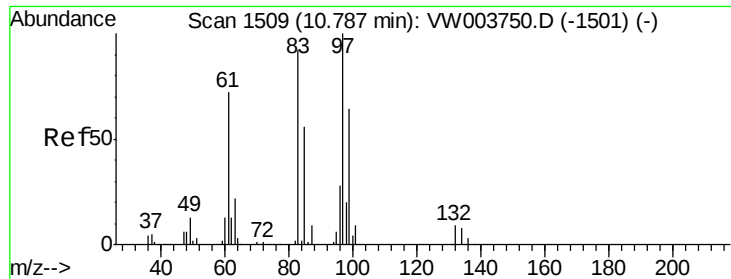
Tot Ion: 75 Resp: 62116
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 20.057 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion: 75 Resp: 72445
Ion Ratio Lower Upper
75 100
77 30.1 25.6 38.4
39 54.5 43.6 65.4





#55

1,1,2-Trichloroethane

Concen: 20.494 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

Tot Ion: 97 Resp: 37076

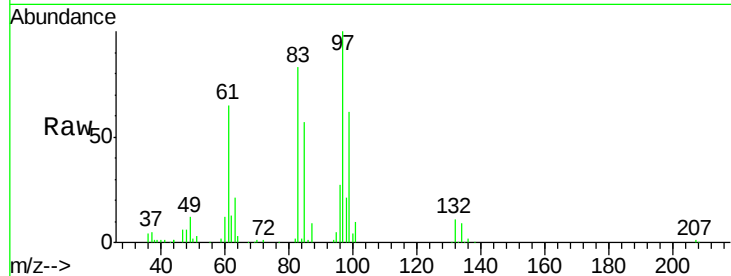
Ion	Ratio	Lower	Upper
97	100		
83	83.5	73.8	110.6
85	56.5	45.0	67.4
99	61.6	51.2	76.8

97 100

83 83.5 73.8 110.6

85 56.5 45.0 67.4

99 61.6 51.2 76.8



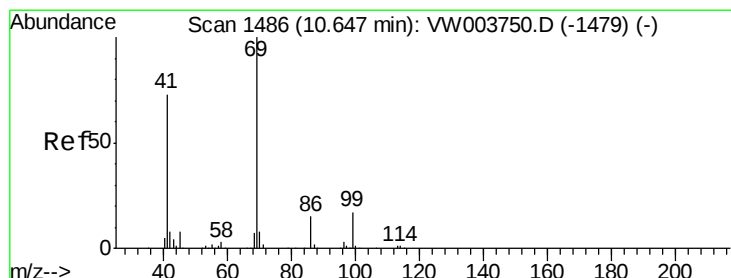
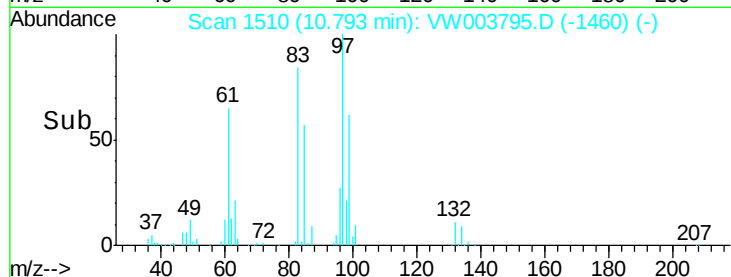
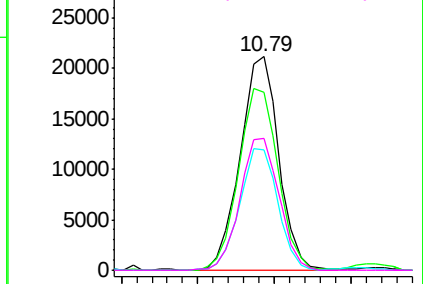
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.837 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

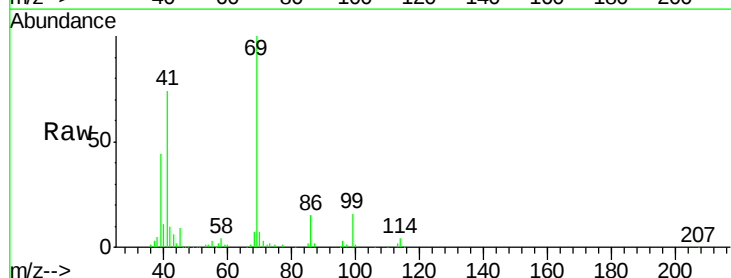
Tgt Ion: 69 Resp: 43795

Ion	Ratio	Lower	Upper
69	100		
41	72.8	59.0	88.4
39	42.3	32.8	49.2

69 100

41 72.8 59.0 88.4

39 42.3 32.8 49.2

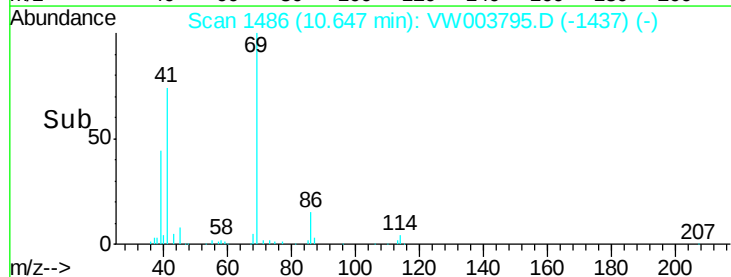
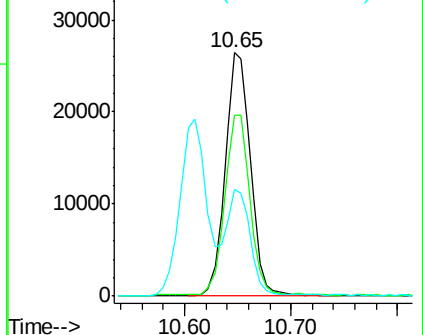


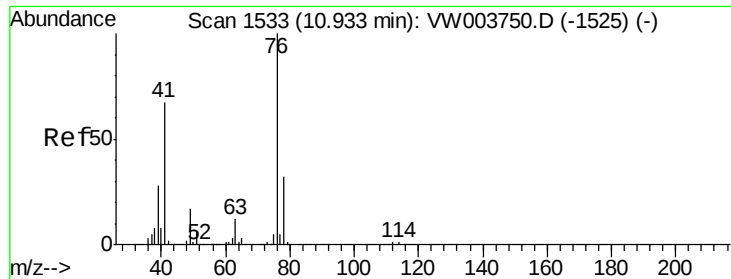
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

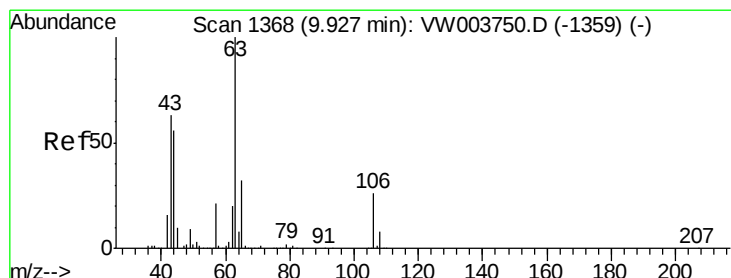
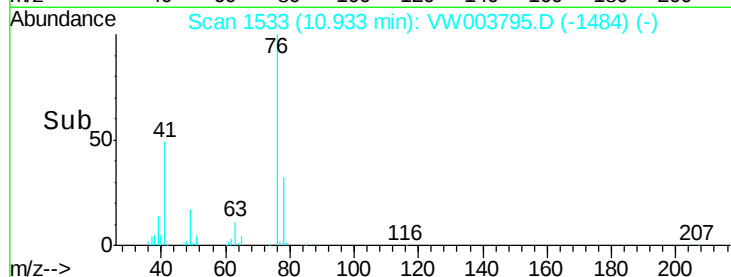
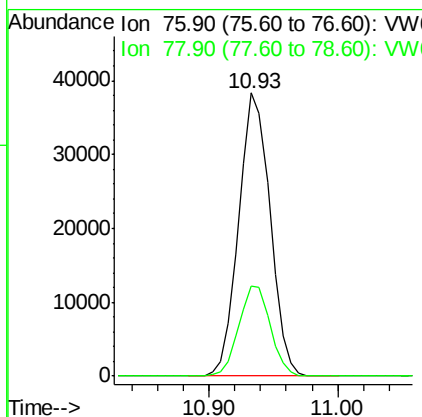
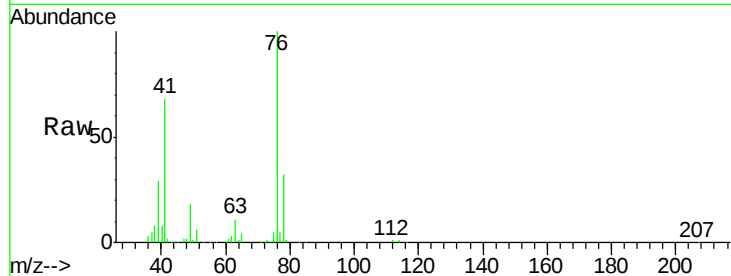




#57
 1,3-Dichloropropane
 Concen: 20.495 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

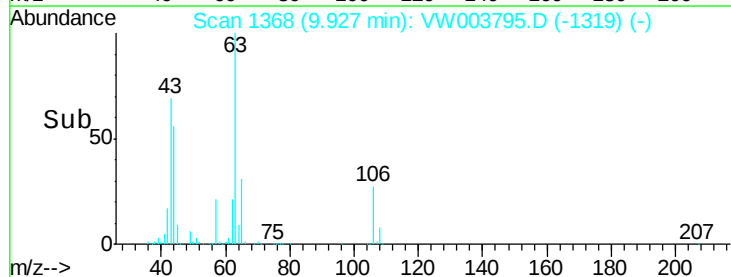
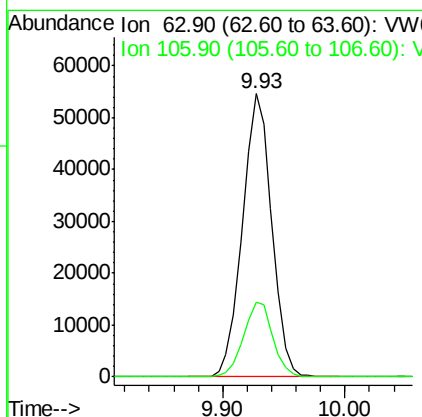
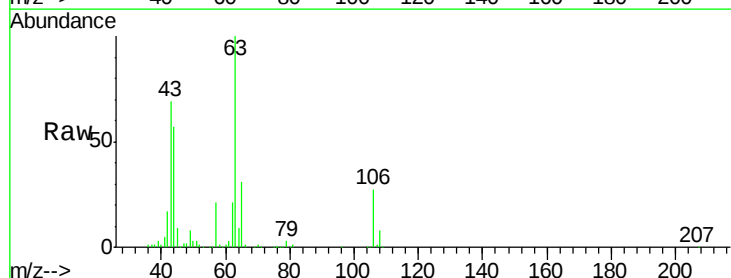
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

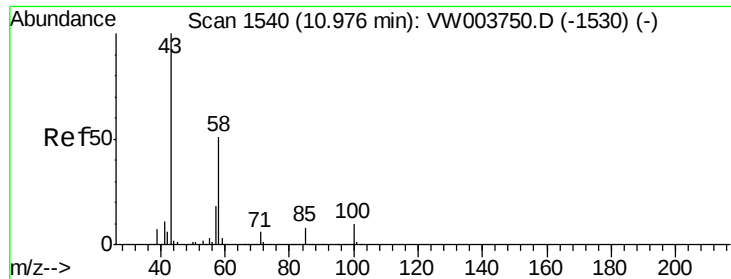
Tot Ion: 76 Resp: 64626
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.874 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Tgt Ion: 63 Resp: 90440
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.9 31.3

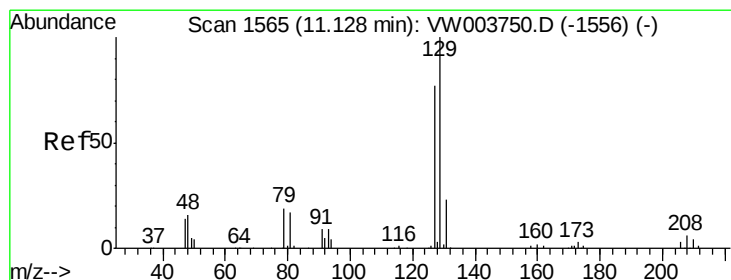
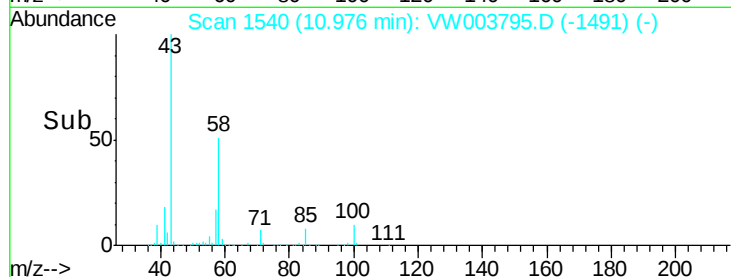
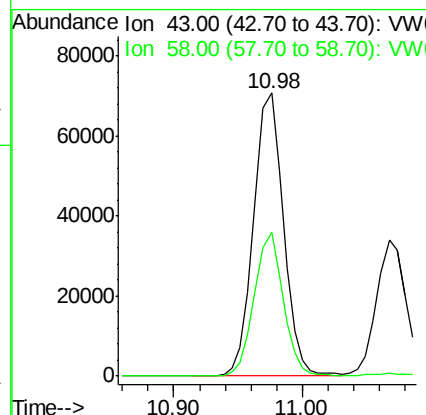
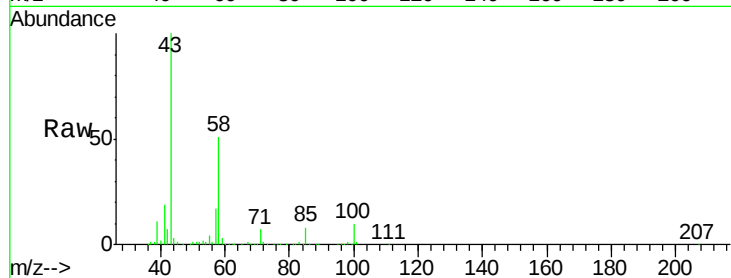




#59
2-Hexanone
Concen: 103.981 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

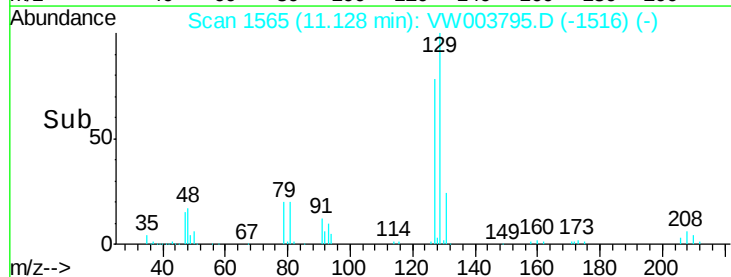
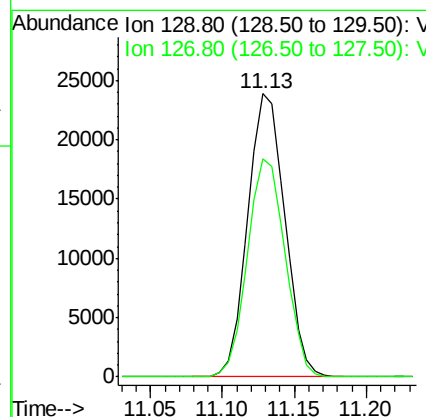
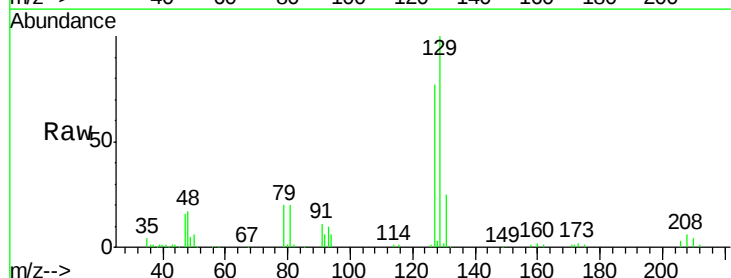
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

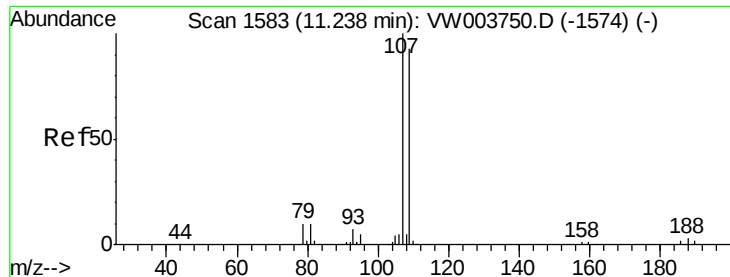
Tot Ion: 43 Resp: 113556
Ion Ratio Lower Upper
43 100
58 49.3 25.4 76.2



#60
Dibromochloromethane
Concen: 20.153 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion:129 Resp: 42560
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.233 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

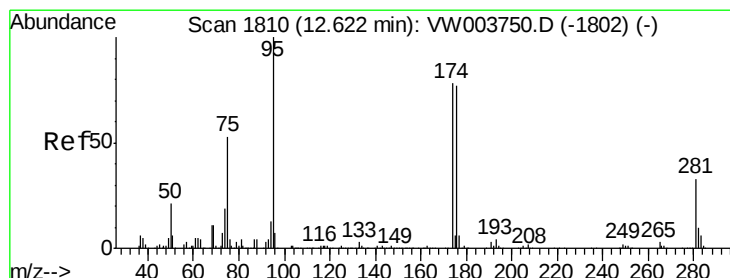
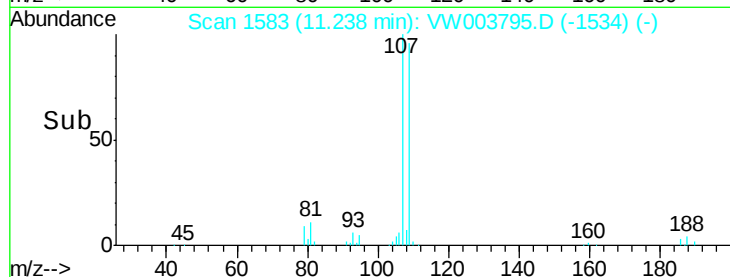
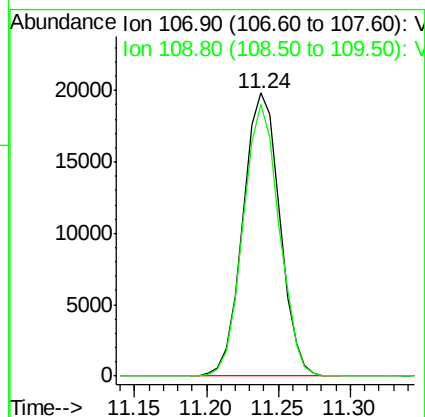
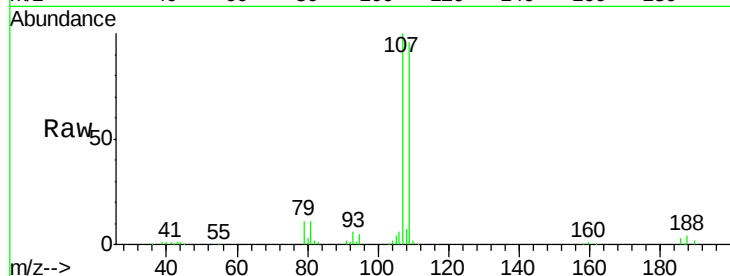
VW0709SBS02

Tot Ion:107 Resp: 35006

Ion Ratio Lower Upper

107 100

109 94.6 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 50.633 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

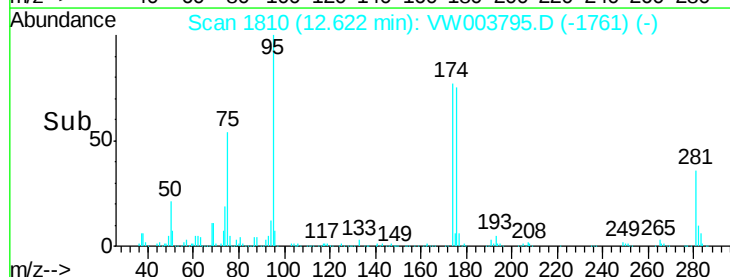
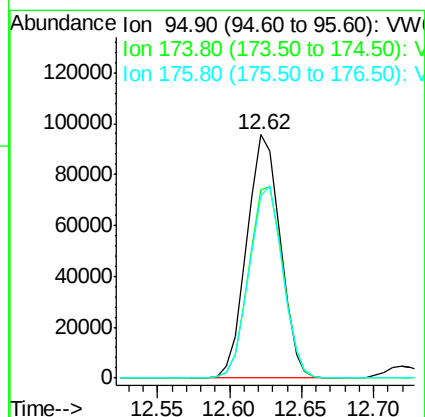
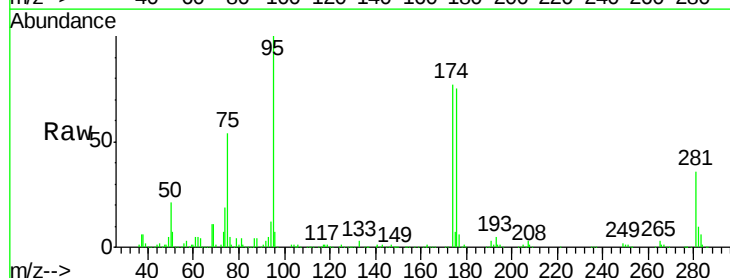
Tgt Ion: 95 Resp: 154049

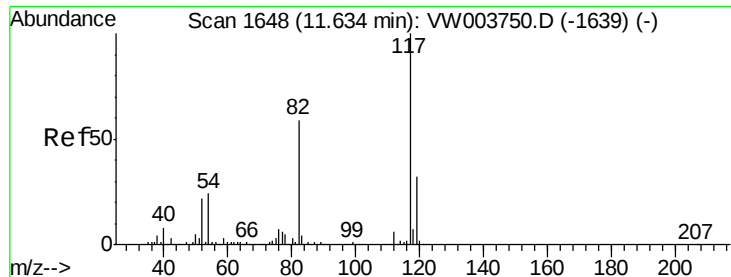
Ion Ratio Lower Upper

95 100

174 80.6 0.0 163.4

176 79.0 0.0 156.8

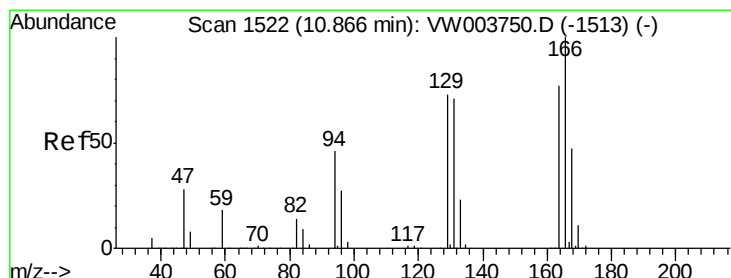
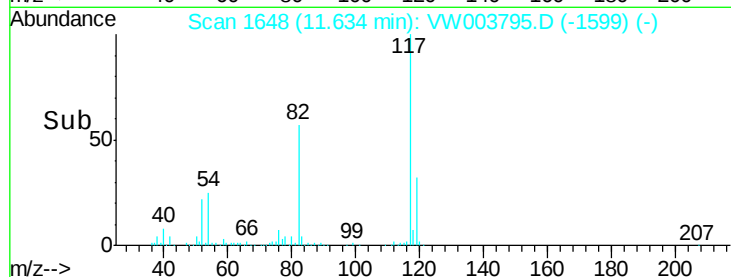
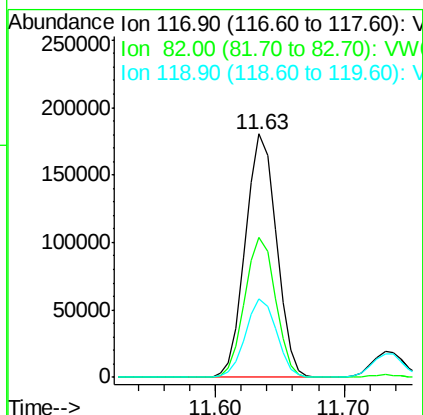
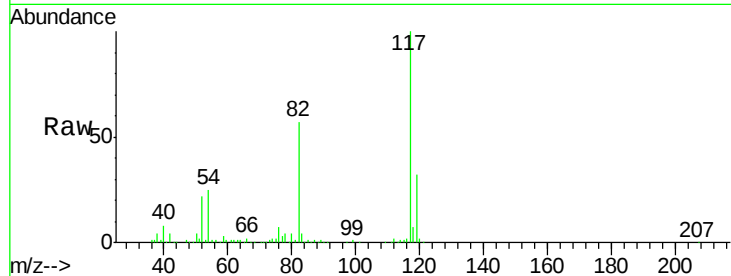




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

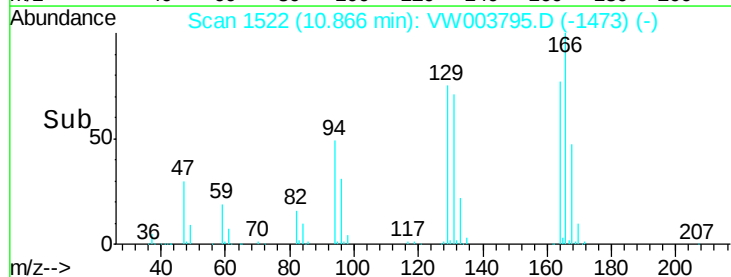
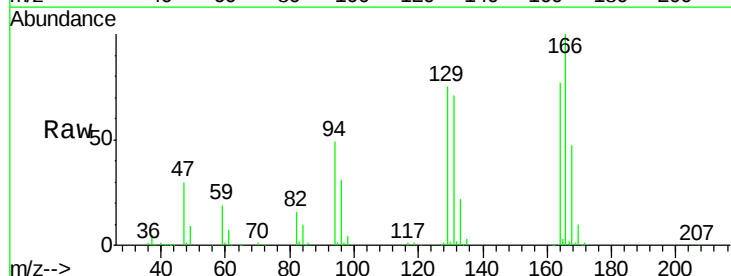
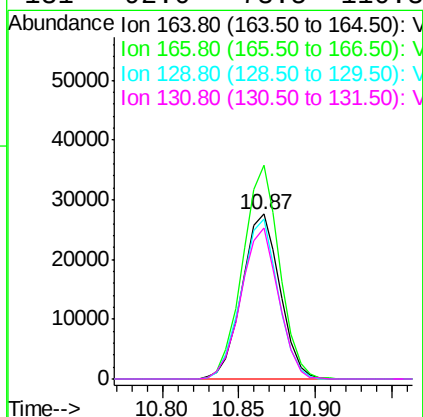
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

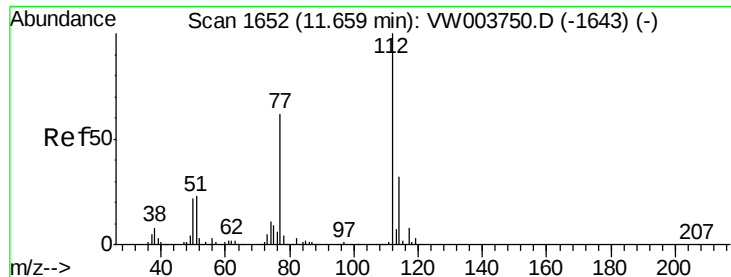
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.9	70.3
119	32.0	25.5	38.3



#64
Tetrachloroethene
Concen: 21.405 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	104.2	156.4
129	96.9	75.8	113.8
131	92.0	73.5	110.3





#65

Chlorobenzene

Concen: 20.460 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

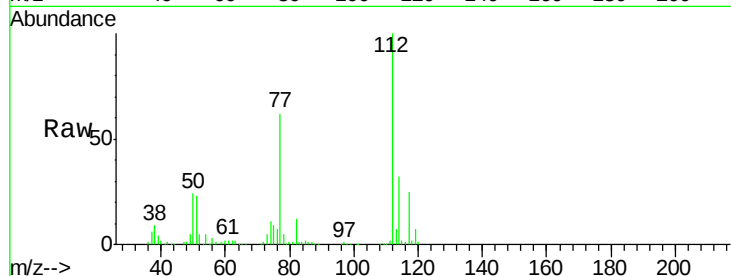
VW0709SBS02

Tot Ion:112 Resp: 135420

Ion Ratio Lower Upper

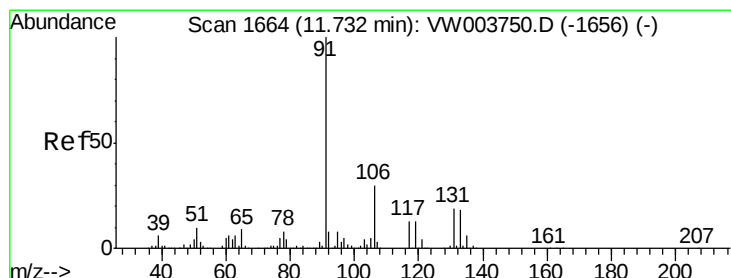
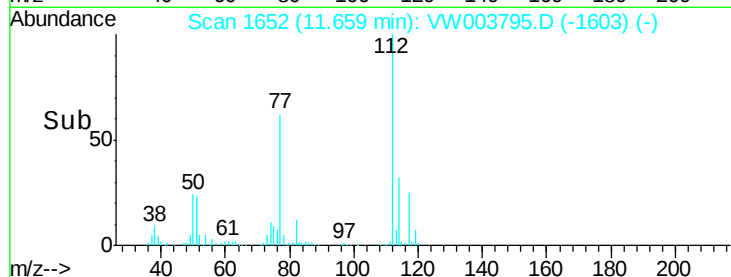
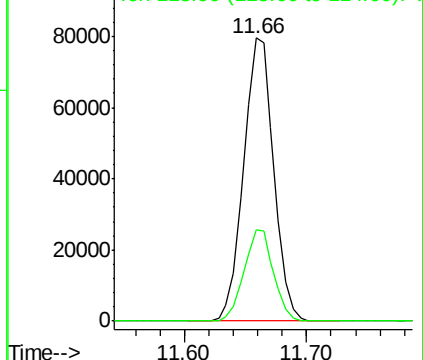
112 100

114 32.5 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.335 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

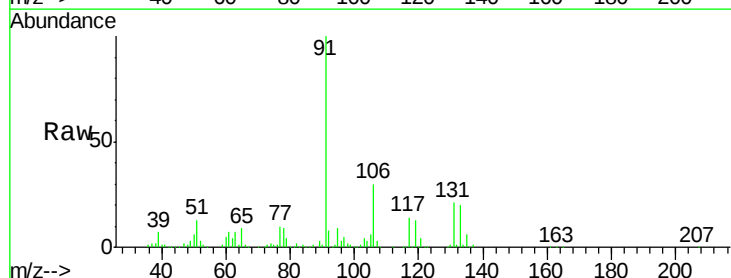
Tgt Ion:131 Resp: 47031

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

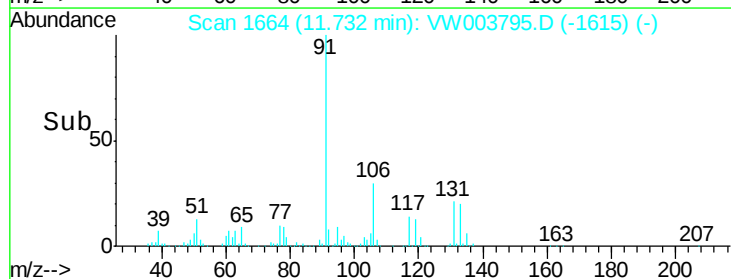
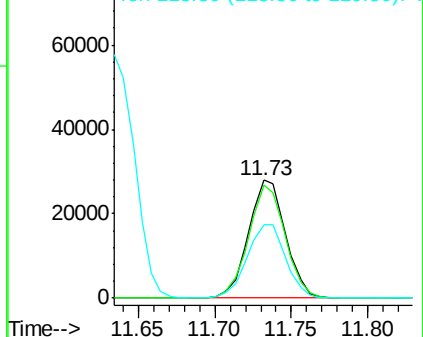
119 64.9 33.2 99.6

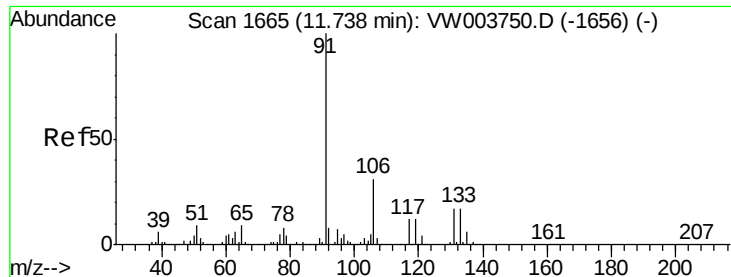


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

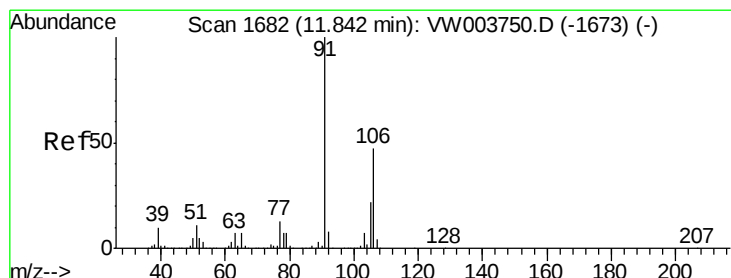
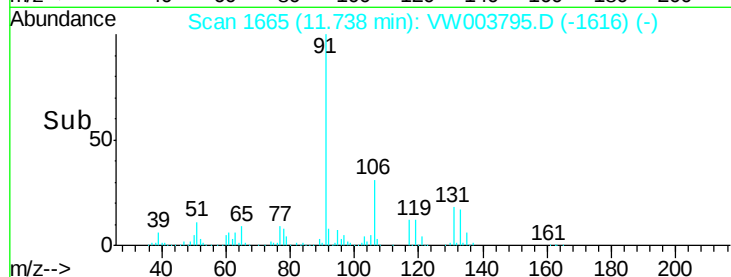
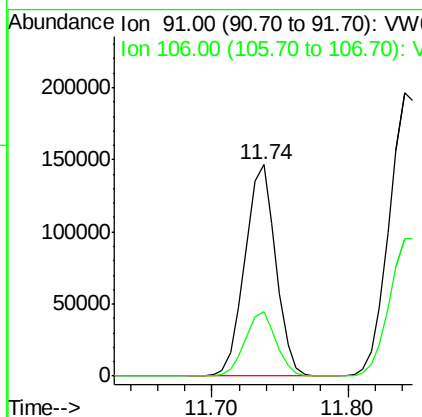
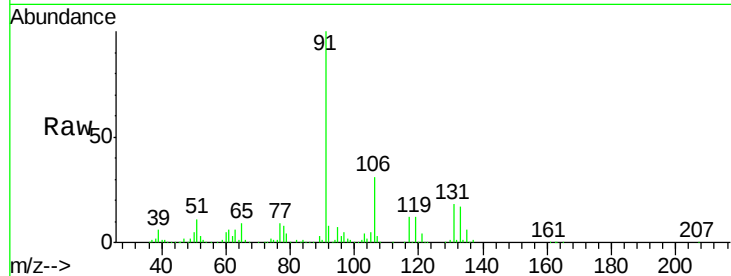




#67
Ethyl Benzene
Concen: 20.619 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

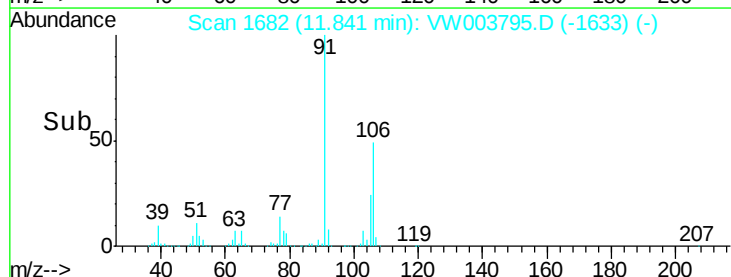
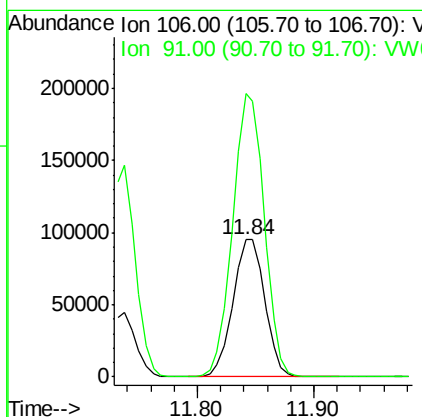
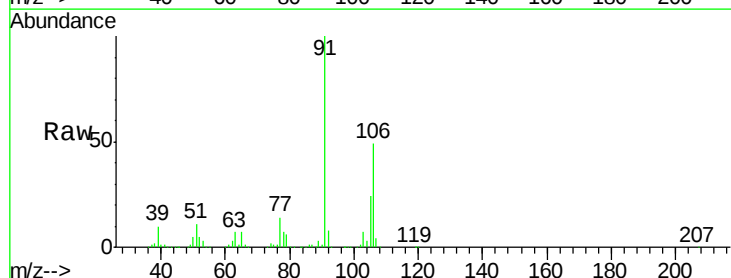
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

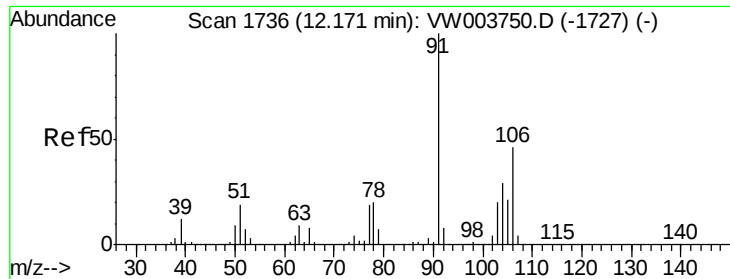
Tot Ion: 91 Resp: 233357
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 41.866 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion: 106 Resp: 181439
Ion Ratio Lower Upper
106 100
91 203.9 164.3 246.5

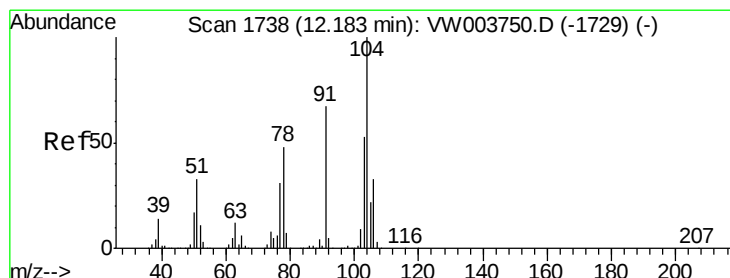
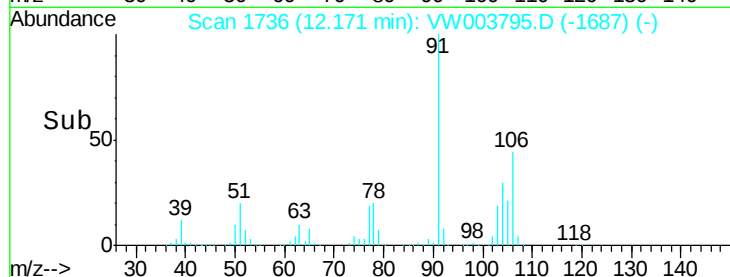
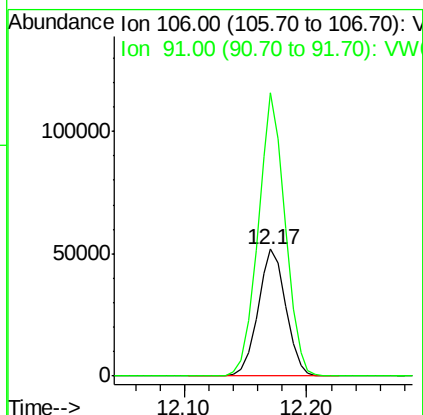
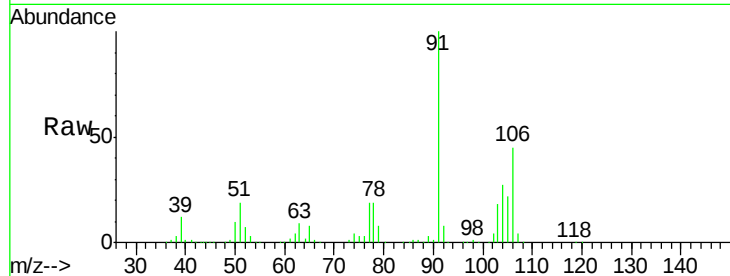




#69
o-Xylene
Concen: 20.525 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

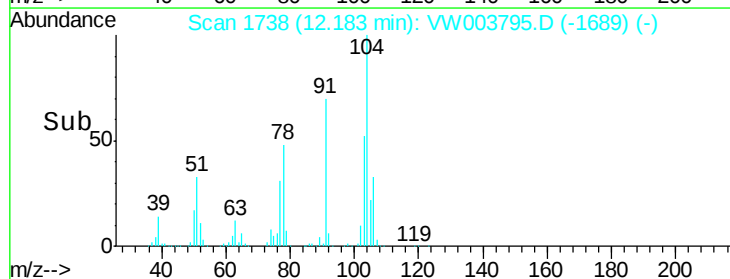
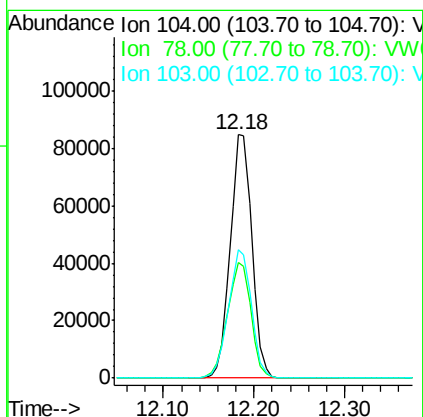
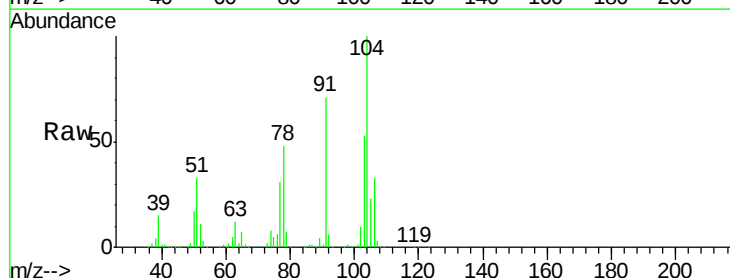
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

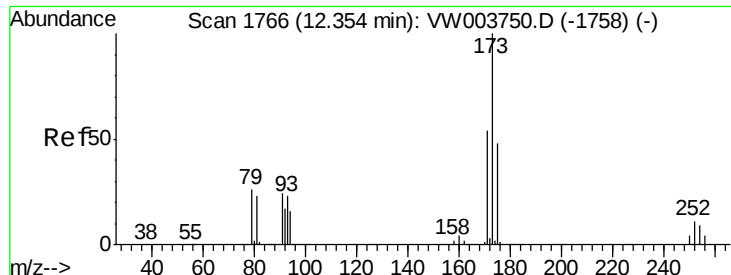
Tot Ion:106 Resp: 82077
Ion Ratio Lower Upper
106 100
91 216.8 109.1 327.2



#70
Styrene
Concen: 20.811 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion:104 Resp: 141518
Ion Ratio Lower Upper
104 100
78 51.5 41.1 61.7
103 55.5 44.6 67.0

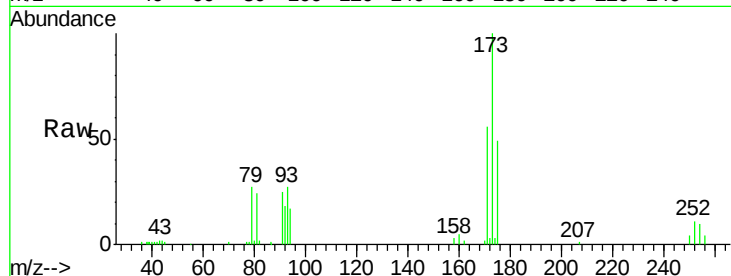




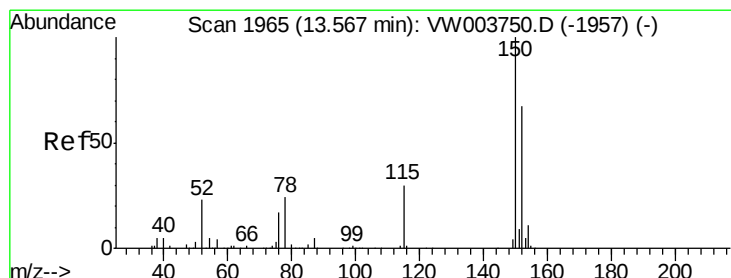
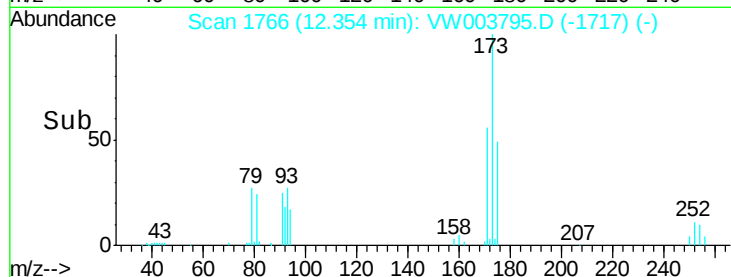
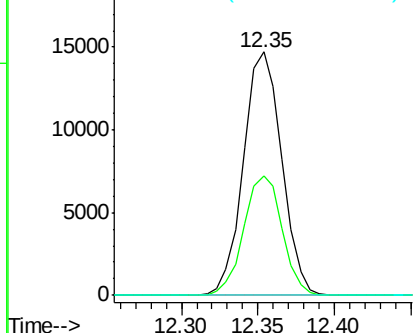
#71
Bromoform
Concen: 20.098 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

Tot Ion:173 Resp: 25654
Ion Ratio Lower Upper
173 100
175 49.1 24.1 72.4
254 0.0 0.0 0.0

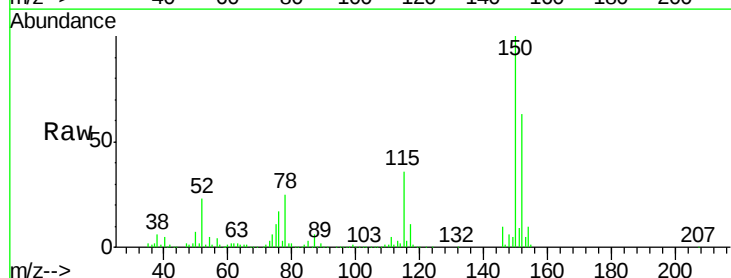


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

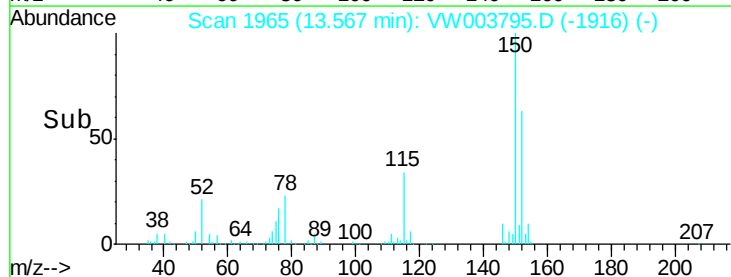
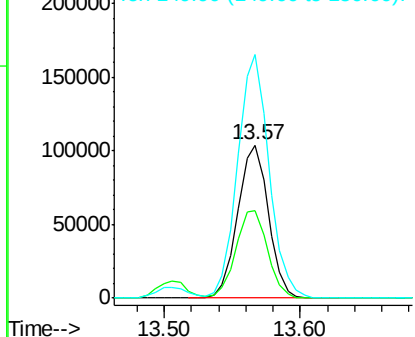


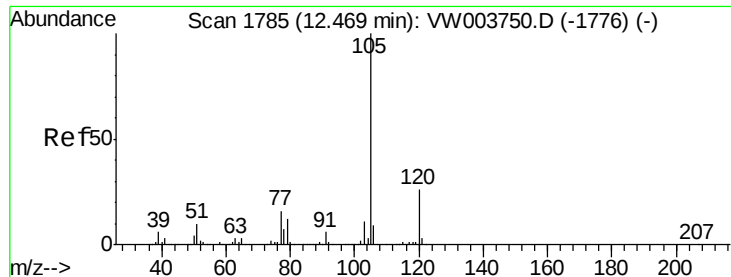
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion:152 Resp: 163849
Ion Ratio Lower Upper
152 100
115 58.7 28.9 86.8
150 162.9 0.0 342.4



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





#73

Isopropylbenzene

Concen: 20.436 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

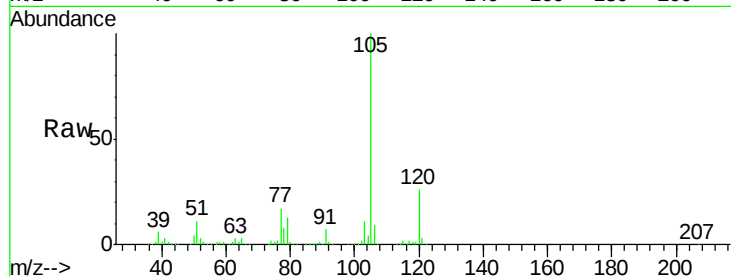
VW0709SBS02

Tot Ion:105 Resp: 226770

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

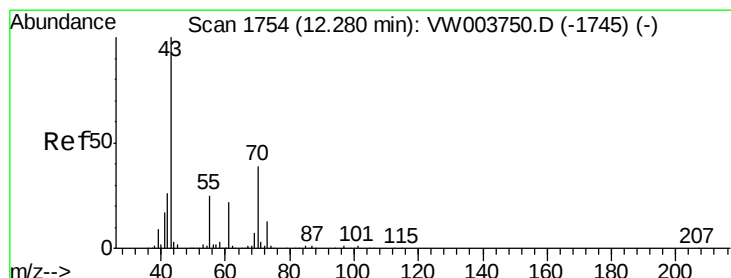
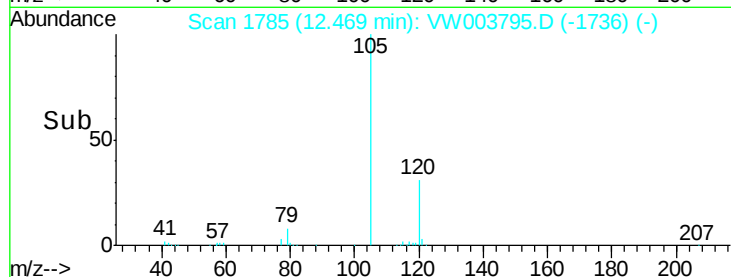
100000

50000

0

12.47

Time-->



#74

N-ethyl acetate

Concen: 20.269 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Tgt Ion: 43 Resp: 60964

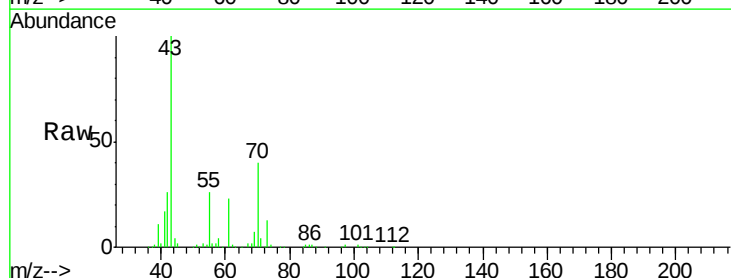
Ion Ratio Lower Upper

43 100

70 39.9 31.3 46.9

55 26.4 20.1 30.1

61 22.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

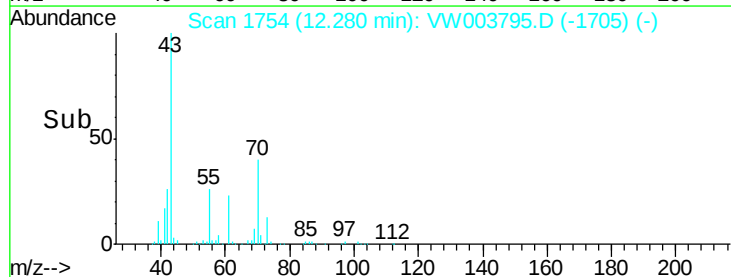
20000

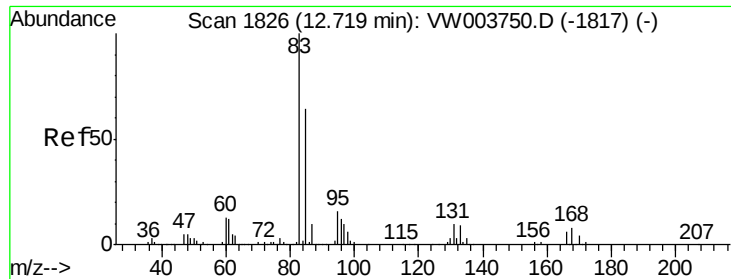
10000

0

12.28

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.274 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

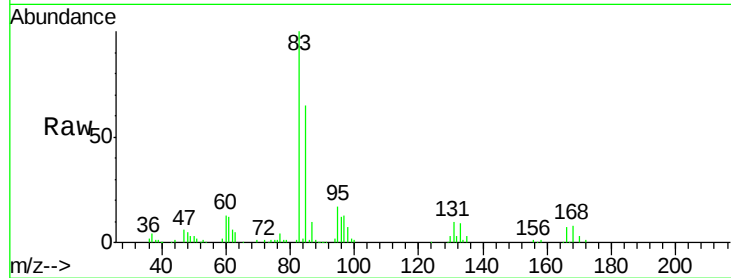
Tot Ion: 83 Resp: 45605

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.4

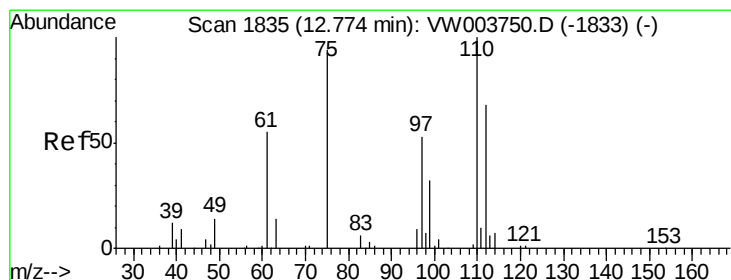
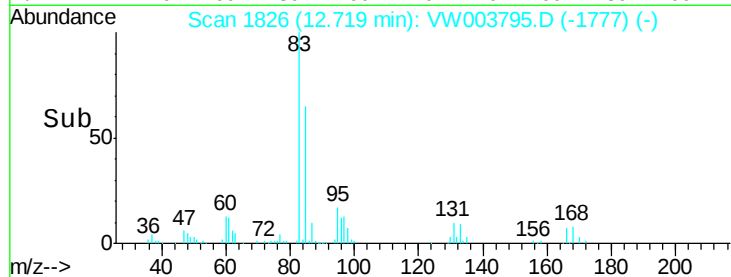
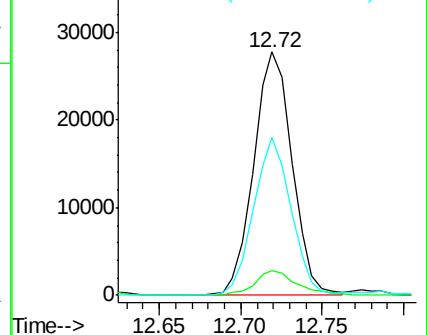
85 63.0 32.1 96.3



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: 37.842 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003795.D

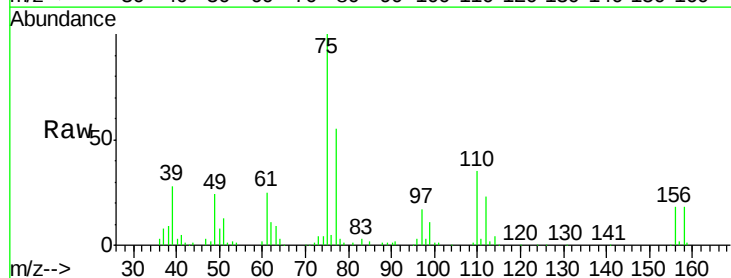
Acq: 10 Jul 2018 00:39

Tgt Ion: 75 Resp: 60887

Ion Ratio Lower Upper

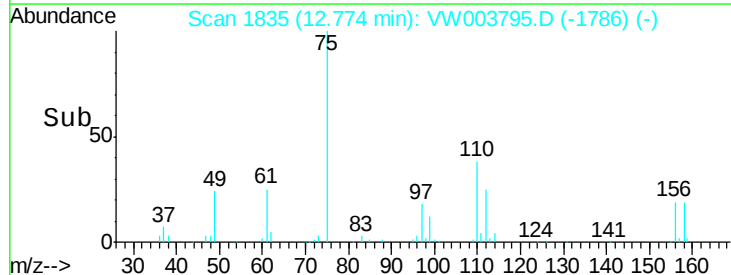
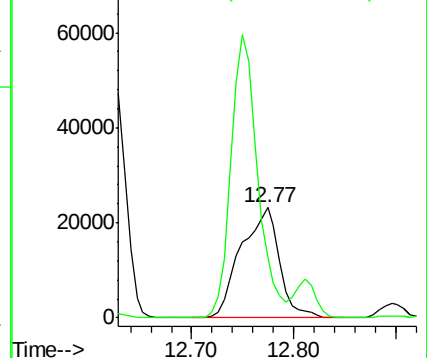
75 100

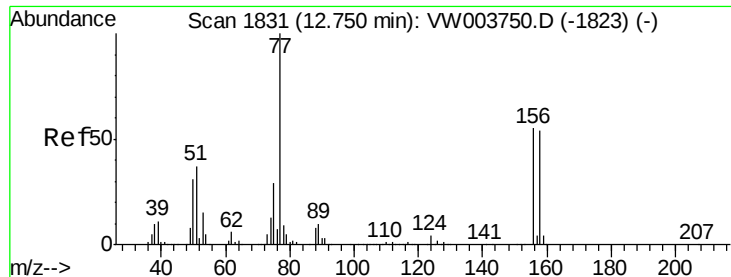
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.179 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

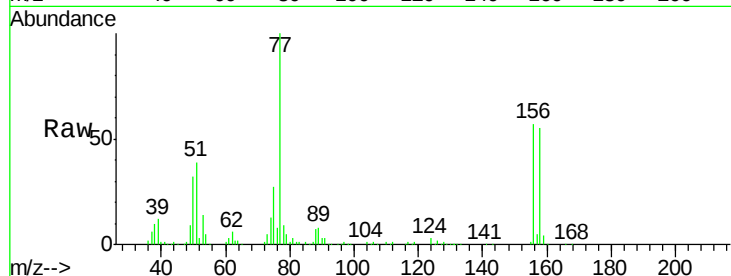
Tot Ion:156 Resp: 55589

Ion Ratio Lower Upper

156 100

77 193.8 98.7 296.0

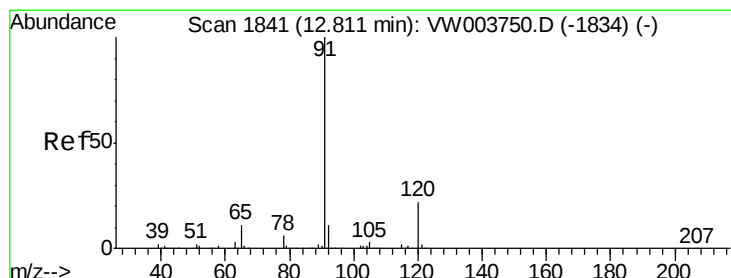
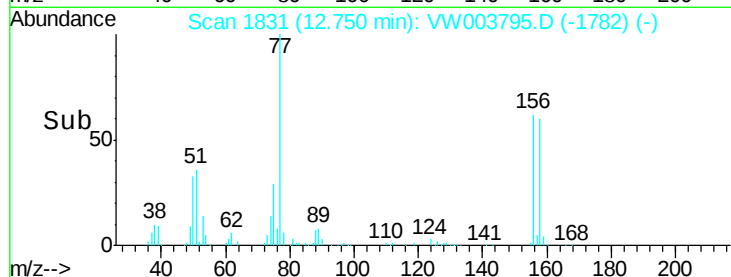
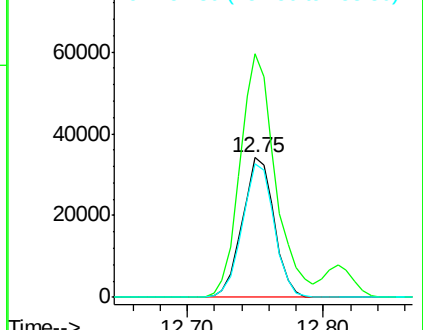
158 96.3 49.0 147.0



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: 20.767 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003795.D

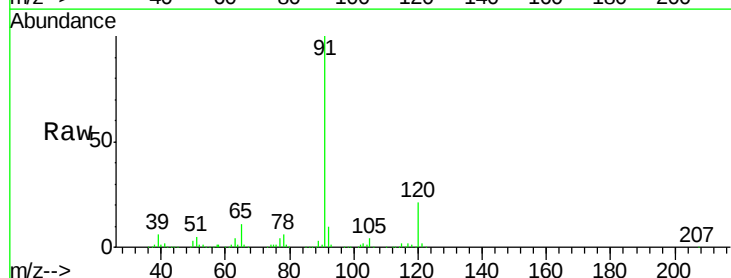
Acq: 10 Jul 2018 00:39

Tgt Ion: 91 Resp: 289272

Ion Ratio Lower Upper

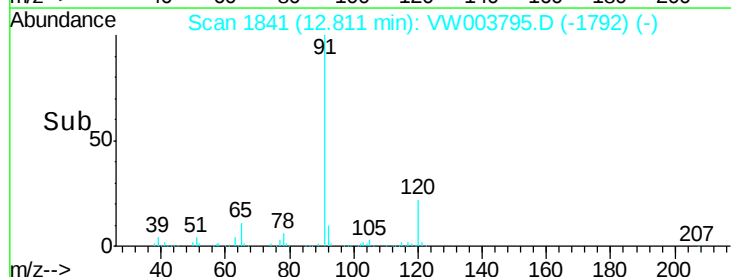
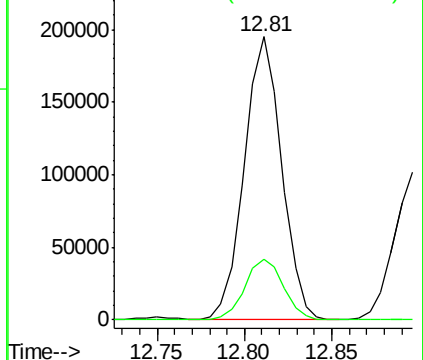
91 100

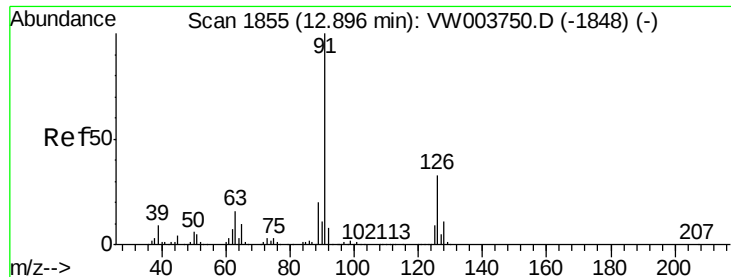
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.422 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

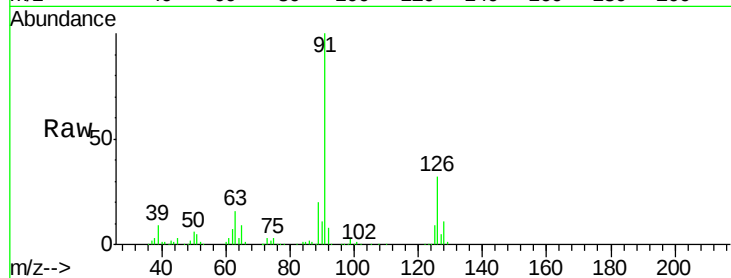
VW0709SBS02

Tot Ion: 91 Resp: 163429

Ion Ratio Lower Upper

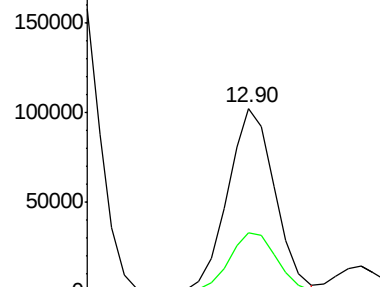
91 100

126 33.3 17.0 51.0

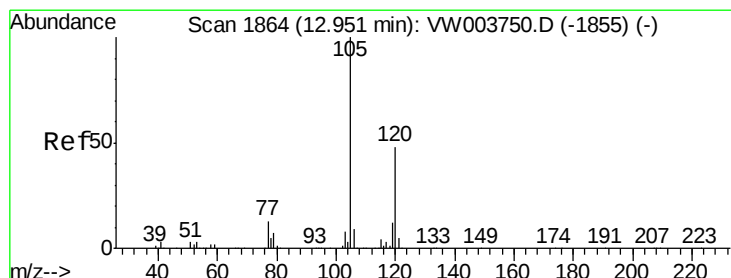
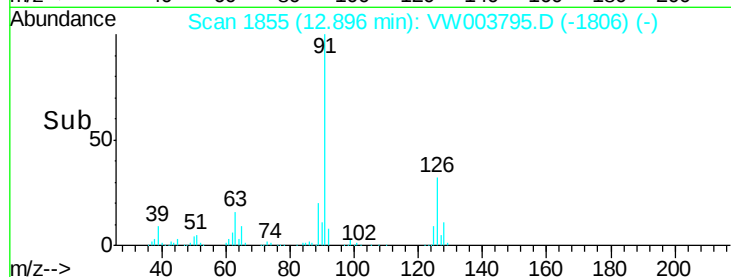


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.859 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003795.D

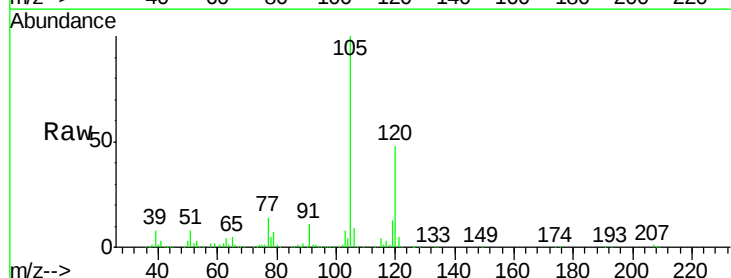
Acq: 10 Jul 2018 00:39

Tgt Ion:105 Resp: 199493

Ion Ratio Lower Upper

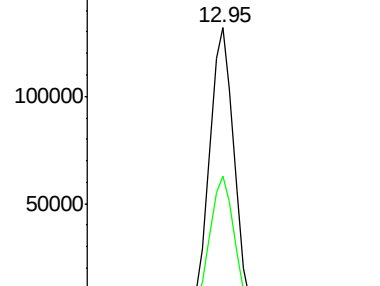
105 100

120 48.0 24.2 72.6

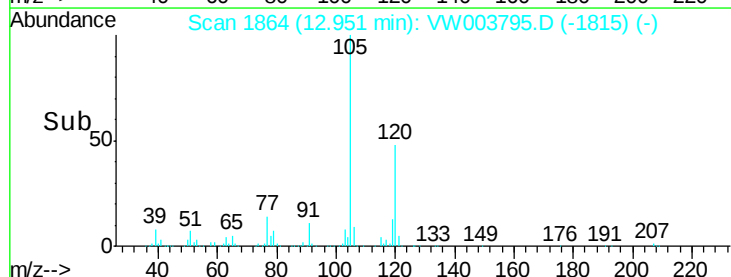


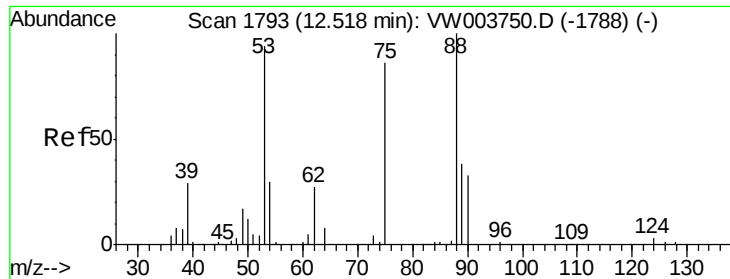
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.716 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

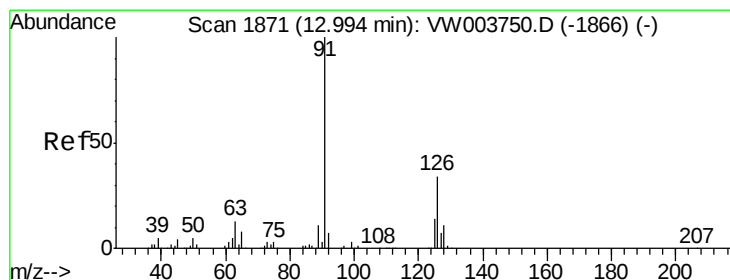
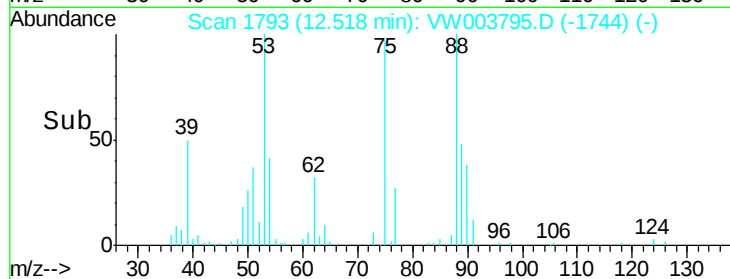
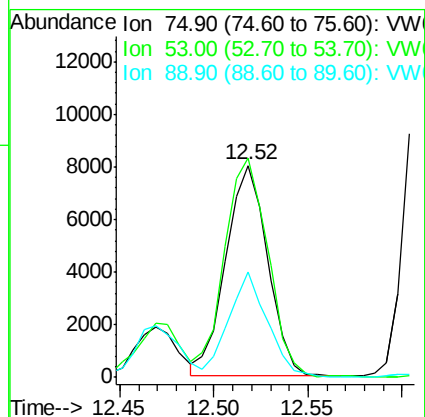
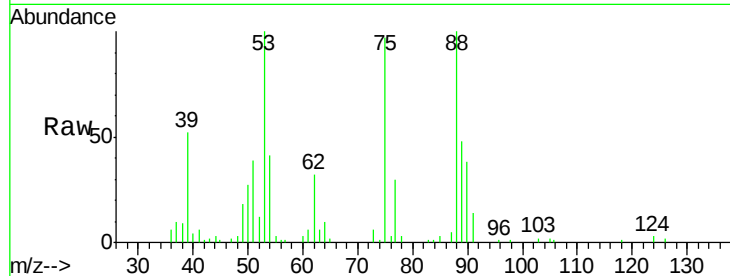
Tot Ion: 75 Resp: 12310

Ion Ratio Lower Upper

75 100

53 107.5 85.0 127.6

89 46.4 36.3 54.5



#82

4-Chlorotoluene

Concen: 20.852 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003795.D

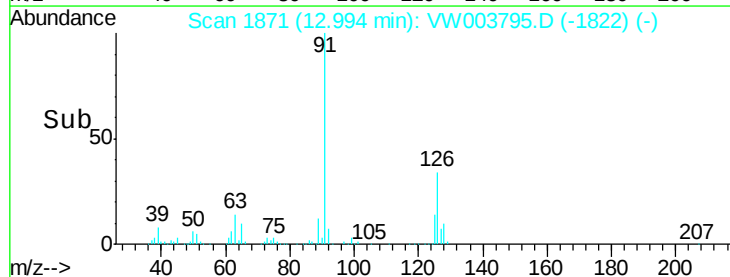
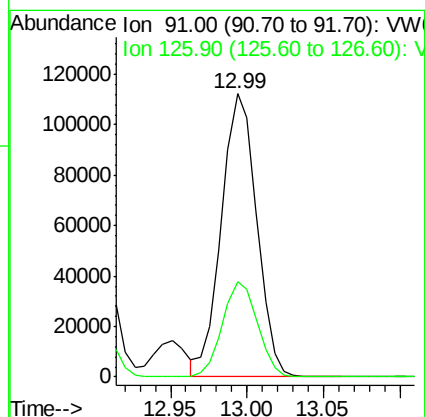
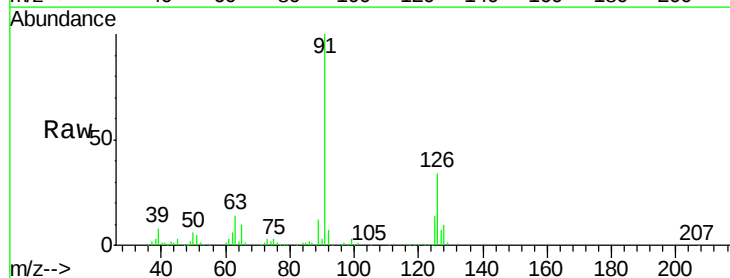
Acq: 10 Jul 2018 00:39

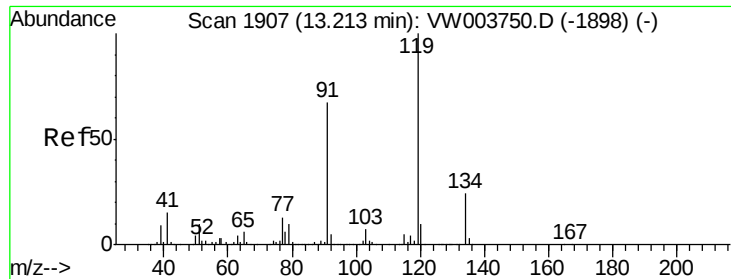
Tgt Ion: 91 Resp: 179434

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5

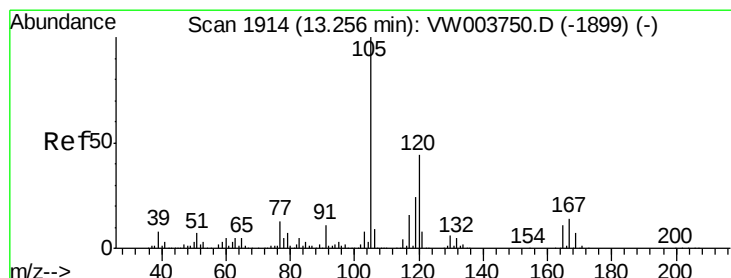
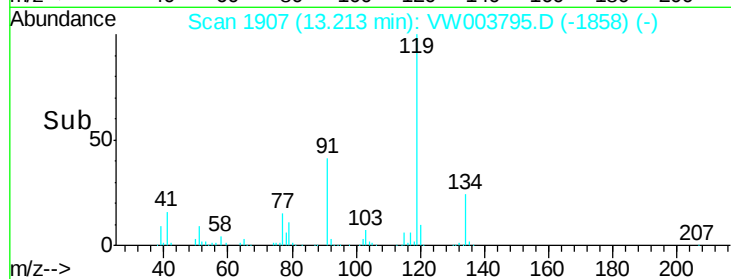
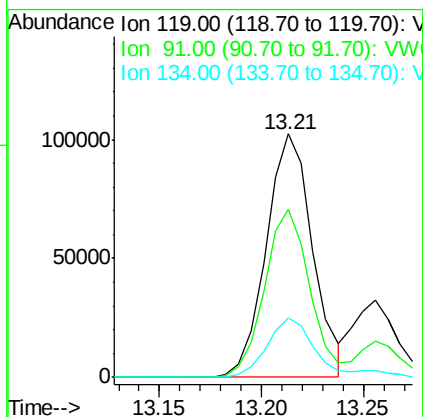
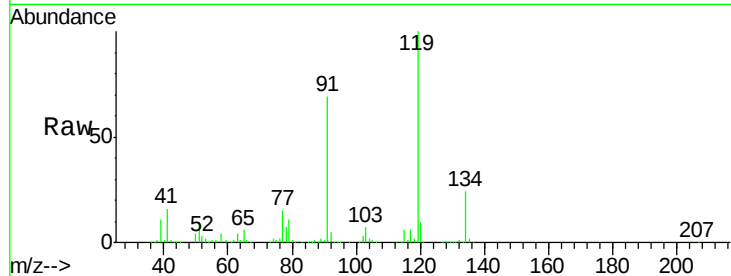




#83
tert-Butylbenzene
Concen: 20.574 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

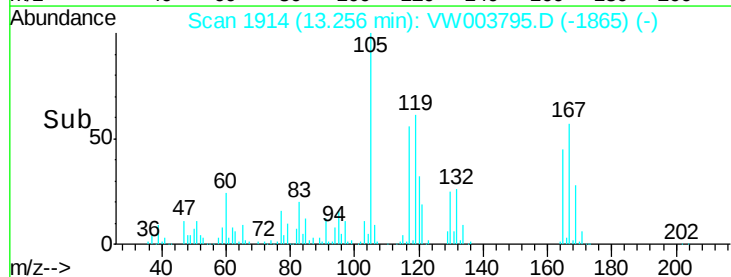
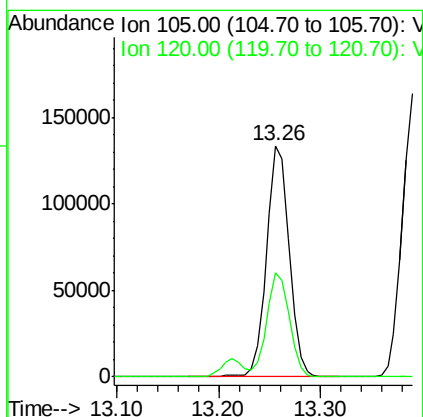
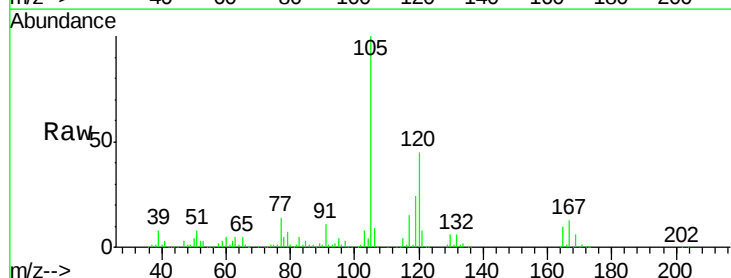
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS02

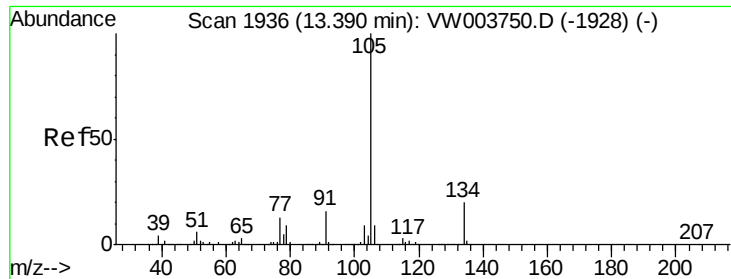
Tot Ion:119 Resp: 162270
Ion Ratio Lower Upper
119 100
91 66.7 33.0 98.9
134 26.2 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 20.712 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003795.D
Acq: 10 Jul 2018 00:39

Tgt Ion:105 Resp: 205785
Ion Ratio Lower Upper
105 100
120 44.7 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.574 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

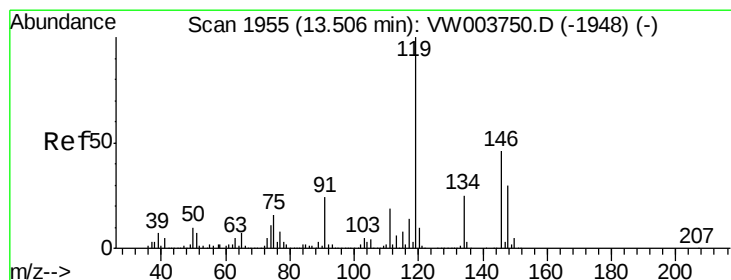
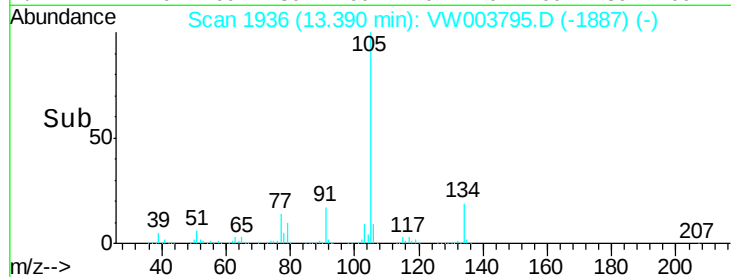
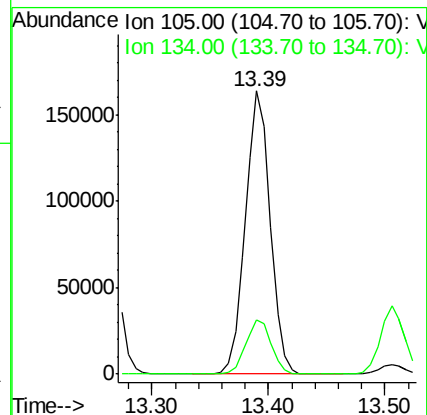
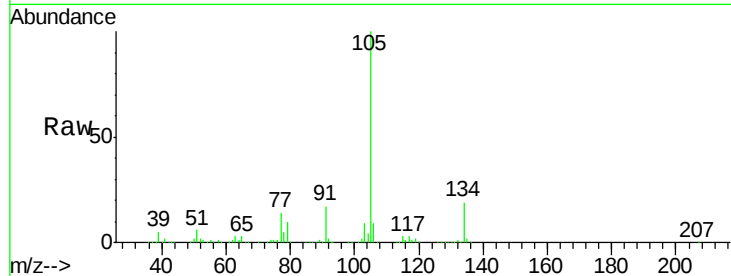
VW0709SBS02

Tot Ion:105 Resp: 242747

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.4



#86

p-Isopropyltoluene

Concen: 20.784 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

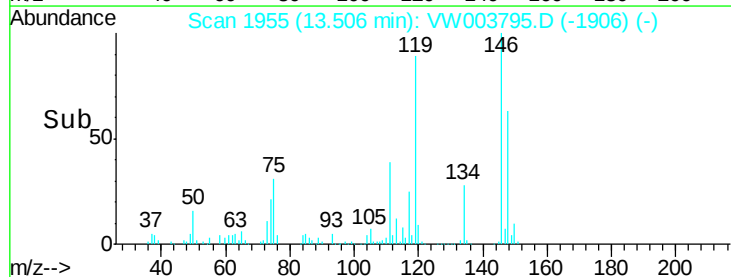
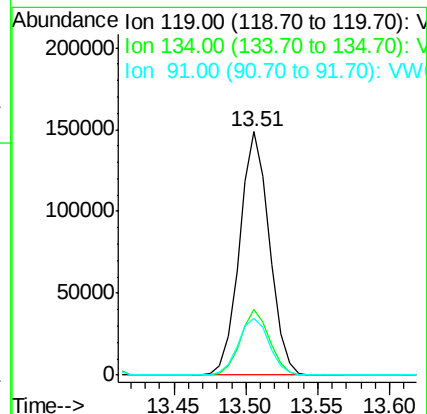
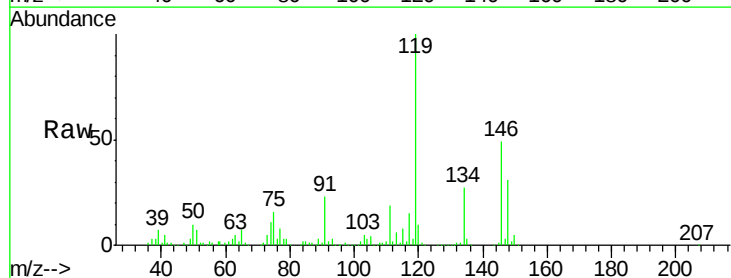
Tgt Ion:119 Resp: 214287

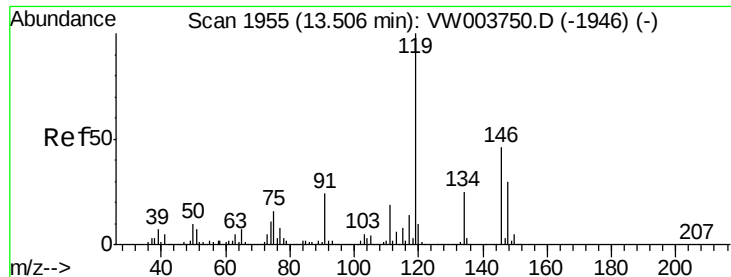
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 24.4 11.9 35.9

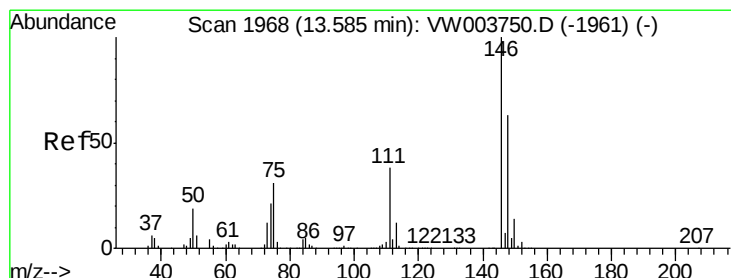
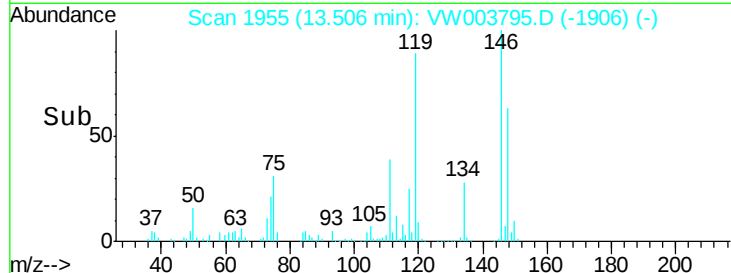
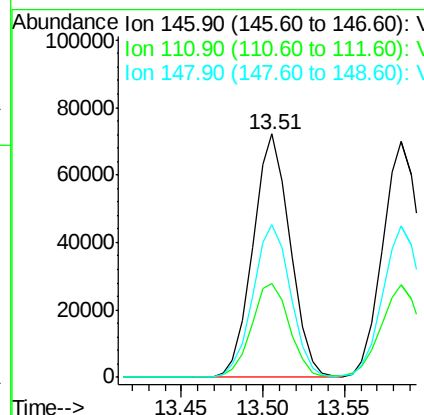
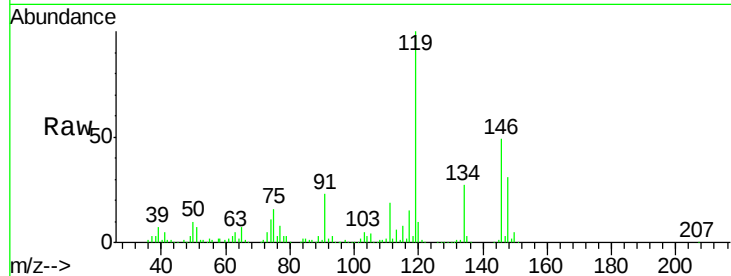




#87
 1,3-Dichlorobenzene
 Concen: 20.443 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

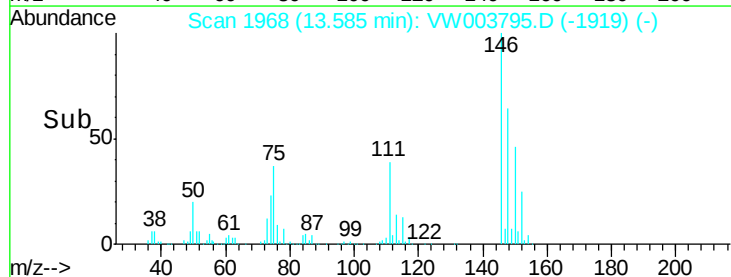
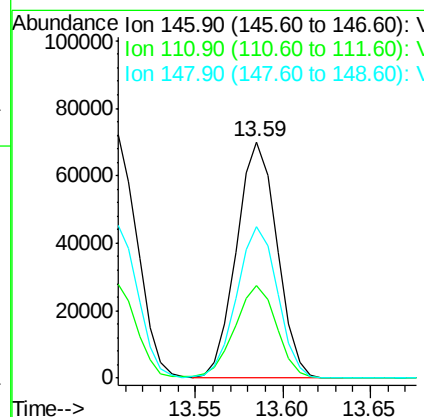
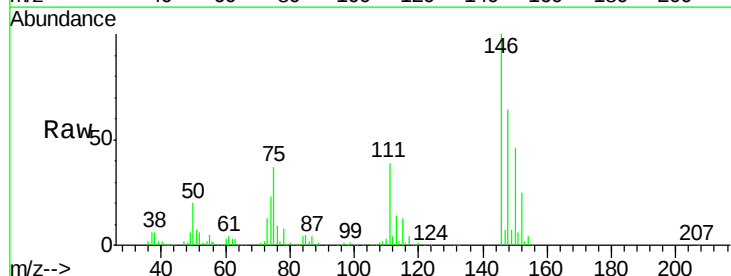
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

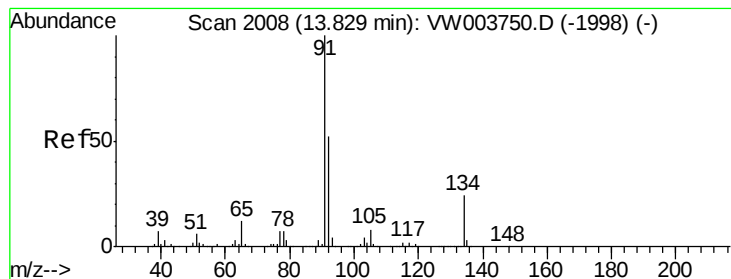
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.2	60.5
148	63.8	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.172 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.4	58.4
148	64.7	31.9	95.7





#89

n-Butylbenzene

Concen: 20.319 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

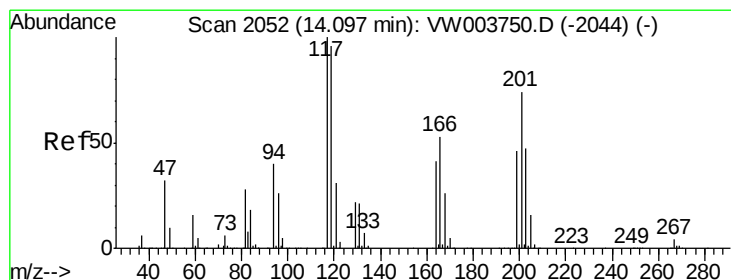
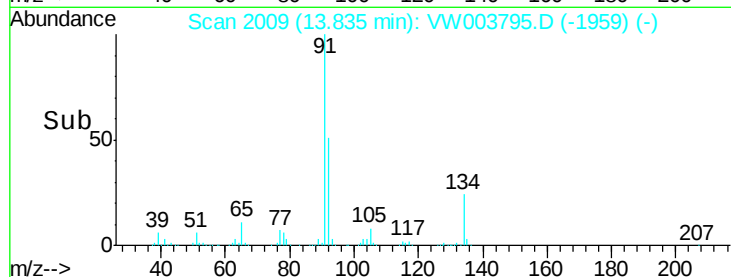
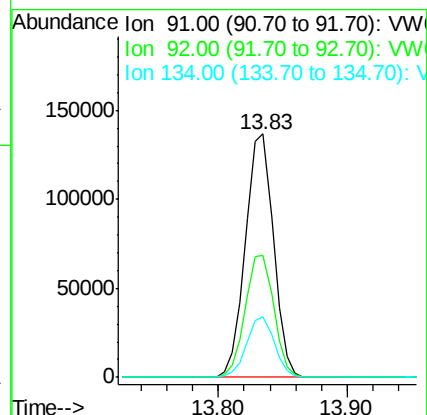
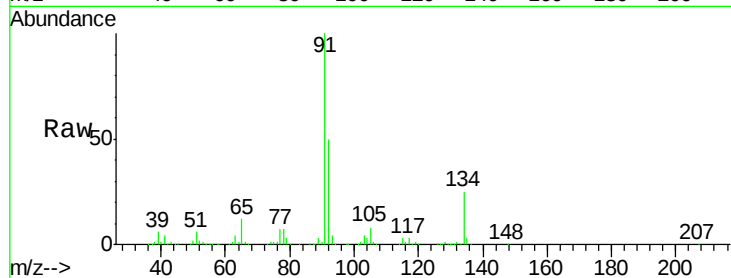
Tot Ion: 91 Resp: 206068

Ion Ratio Lower Upper

91 100

92 51.1 26.1 78.3

134 24.4 12.4 37.4



#90

Hexachloroethane

Concen: 20.148 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VW003795.D

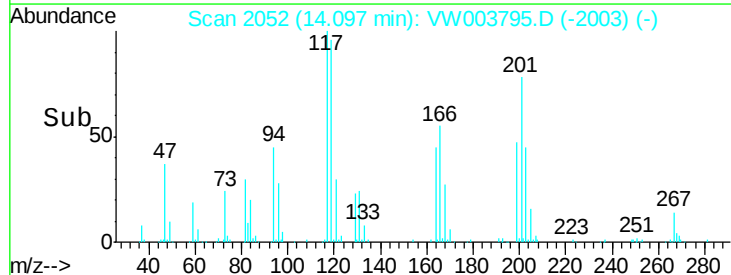
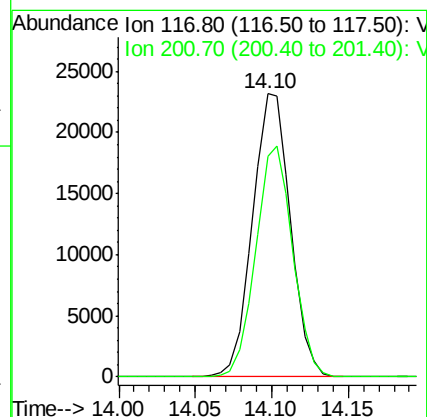
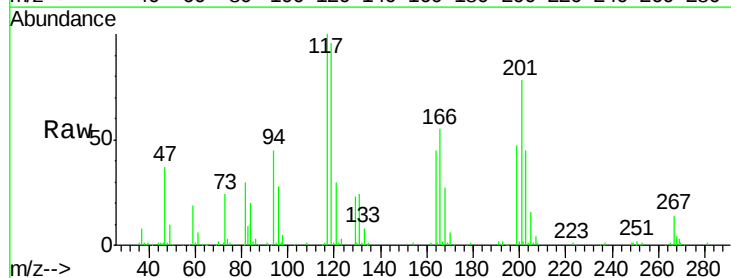
Acq: 10 Jul 2018 00:39

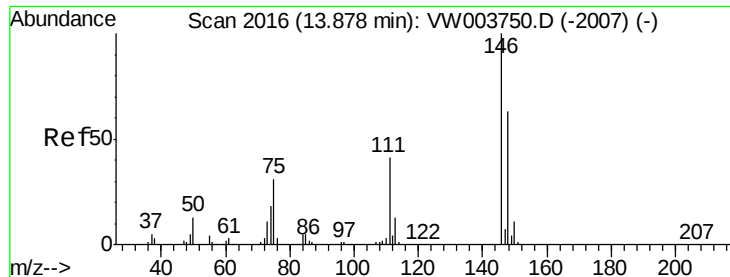
Tgt Ion: 117 Resp: 40014

Ion Ratio Lower Upper

117 100

201 79.5 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 20.520 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

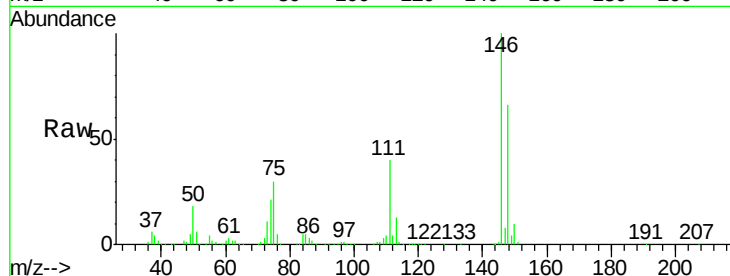
Tot Ion:146 Resp: 103083

Ion Ratio Lower Upper

146 100

111 41.3 20.7 62.1

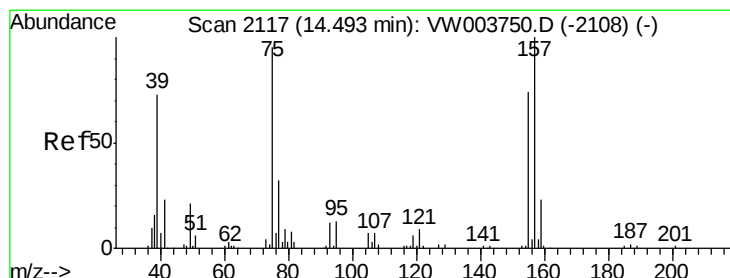
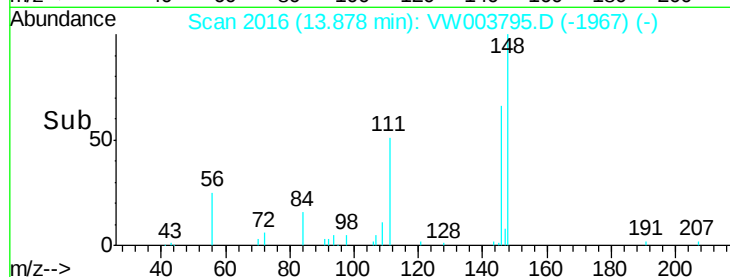
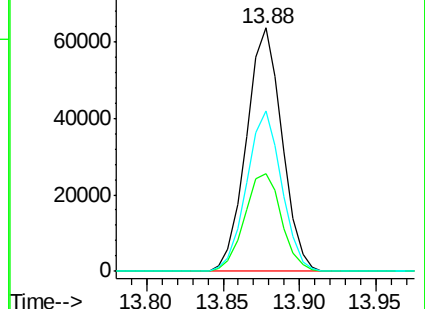
148 64.8 31.9 95.9



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: 20.111 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

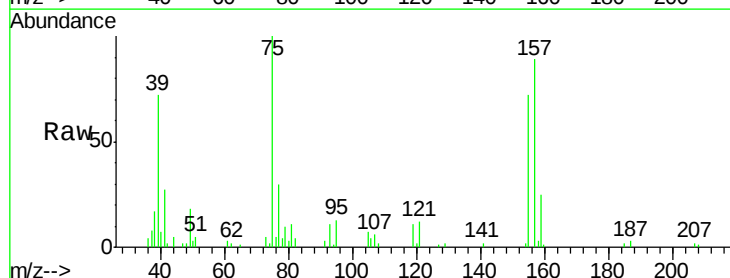
Tgt Ion: 75 Resp: 7831

Ion Ratio Lower Upper

75 100

155 80.3 39.2 117.6

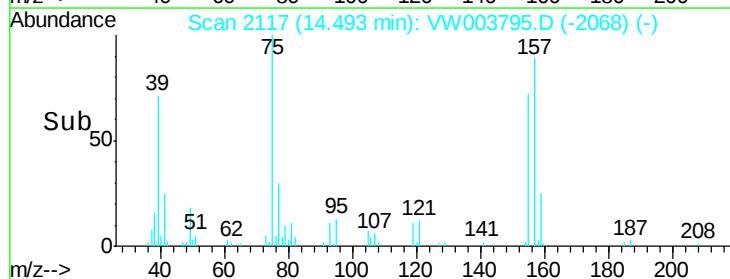
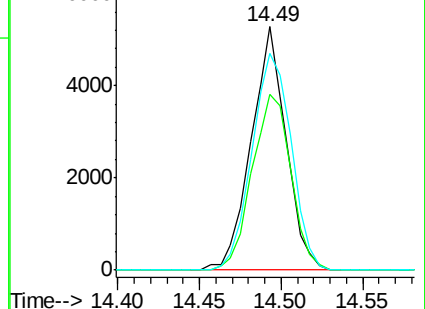
157 100.4 50.7 152.1

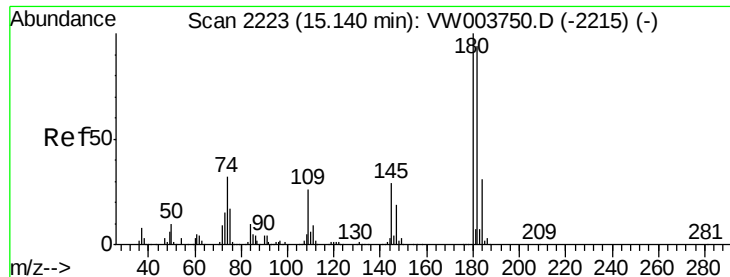


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

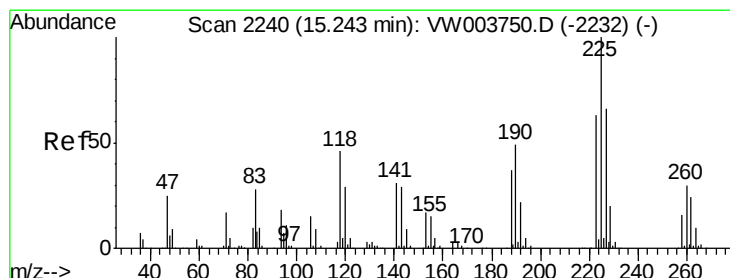
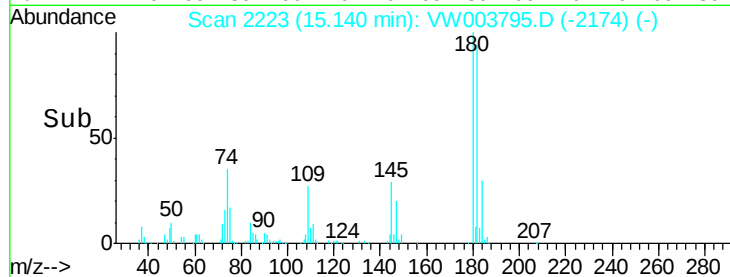
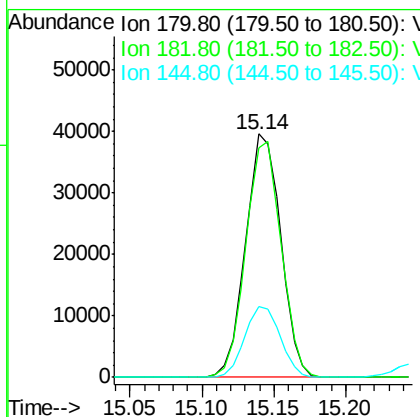
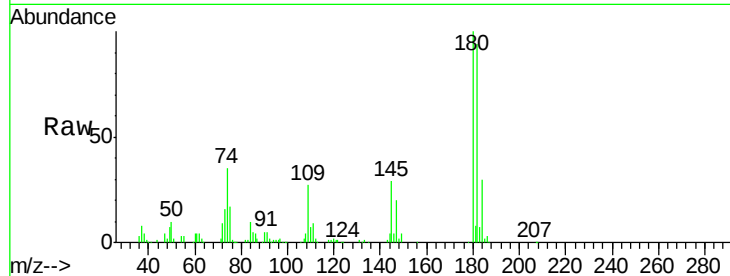




#93
 1,2,4-Trichlorobenzene
 Concen: 19.617 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

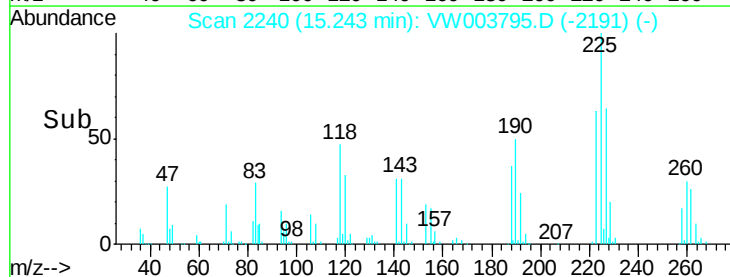
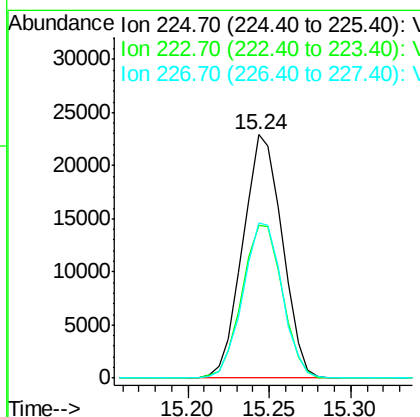
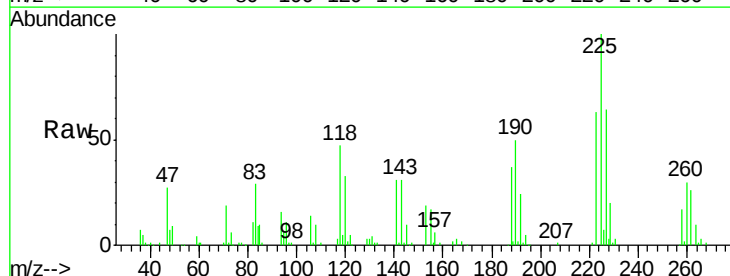
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS02

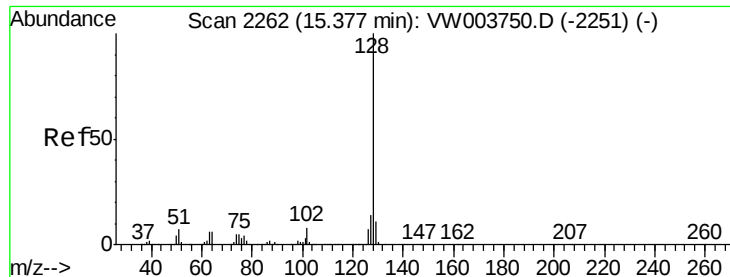
Tot Ion:180 Resp: 66702
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.4 142.2
 145 29.5 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 19.918 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW003795.D
 Acq: 10 Jul 2018 00:39

Tgt Ion:225 Resp: 38740
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.6 97.7
 227 63.2 32.5 97.5





#95

Naphthalene

Concen: 19.461 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS02

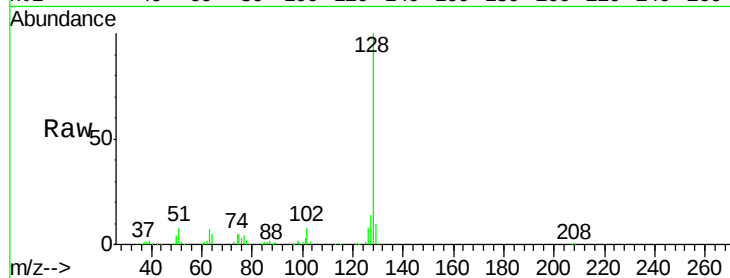
Tot Ion:128 Resp: 118270

Ion Ratio Lower Upper

128 100

127 14.3 10.8 16.2

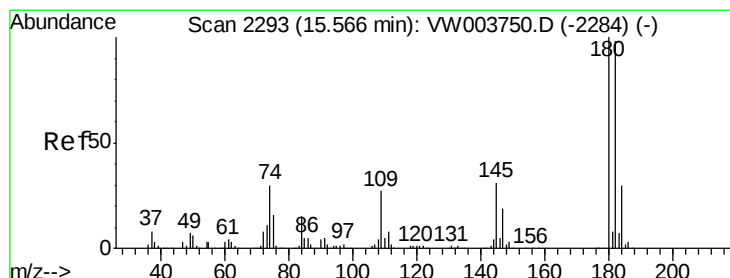
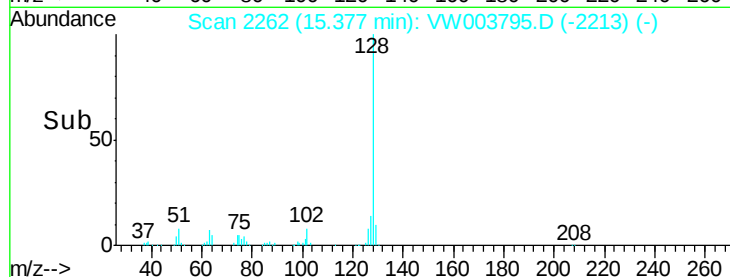
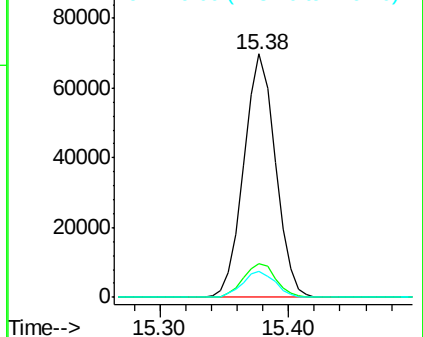
129 10.9 8.6 13.0



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: 19.838 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003795.D

Acq: 10 Jul 2018 00:39

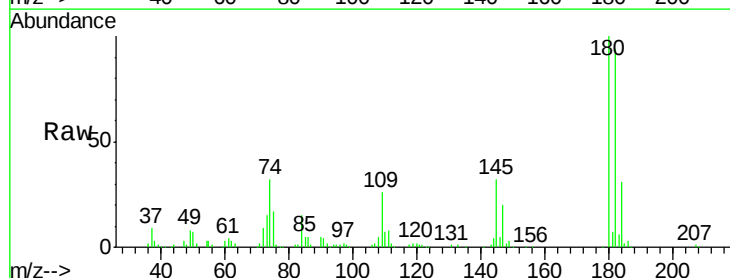
Tgt Ion:180 Resp: 60398

Ion Ratio Lower Upper

180 100

182 94.4 47.4 142.3

145 31.4 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

