

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004590.D
 Acq On : 10 Aug 2018 12:14
 Operator : SY/AP
 Sample : VW0813SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

Quant Time: Aug 11 00:59:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	719971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1106318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1031369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	547693	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	358072	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
35) Dibromofluoromethane	7.88	113	357394	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.33	98	1446046	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.62	95	512139	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	104200	21.089	ug/l	99
3) Chloromethane	2.22	50	136393	19.815	ug/l	100
4) Vinyl Chloride	2.37	62	200812	20.884	ug/l	97
5) Bromomethane	2.78	94	114709	20.488	ug/l	97
6) Chloroethane	2.93	64	118625	20.646	ug/l	95
7) Trichlorofluoromethane	3.26	101	96865	27.275	ug/l	94
8) Diethyl Ether	3.68	74	81398	18.118	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	160360	20.443	ug/l	99
10) Methyl Iodide	4.26	142	233072	19.804	ug/l	100
11) Tert butyl alcohol	5.21	59	36418	78.042	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	156424	19.812	ug/l	99
13) Acrolein	3.90	56	51354	89.817	ug/l	100
14) Allyl chloride	4.67	41	235978	19.893	ug/l	99
15) Acrylonitrile	5.37	53	160565	80.424	ug/l	99
16) Acetone	4.14	43	190689	95.807	ug/l	99
17) Carbon Disulfide	4.37	76	516303	20.348	ug/l	98
18) Methyl Acetate	4.68	43	73554	14.820	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	182948	16.988	ug/l	100
20) Methylene Chloride	4.91	84	213191	15.885	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	164681	19.355	ug/l	99
22) Diisopropyl ether	6.32	45	476538	19.548	ug/l	100
23) Vinyl Acetate	6.26	43	1233284	84.178	ug/l	100
24) 1,1-Dichloroethane	6.21	63	300842	19.280	ug/l	98
25) 2-Butanone	7.18	43	249295	77.865	ug/l	98
26) 2,2-Dichloropropane	7.17	77	178288	21.771	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	175886	19.213	ug/l	99
28) Bromochloromethane	7.52	49	125816	18.533	ug/l	99
29) Tetrahydrofuran	7.54	42	122425	73.966	ug/l	98
30) Chloroform	7.68	83	290416	18.949	ug/l	99
31) Cyclohexane	7.96	56	296646	19.870	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	235201	20.431	ug/l	98
36) 1,1-Dichloropropene	8.09	75	241808	20.300	ug/l	99
37) Ethyl Acetate	7.26	43	87624	15.706	ug/l	97
38) Carbon Tetrachloride	8.07	117	218376	20.373	ug/l	99

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 Data File : VW004590.D
 Acq On : 10 Aug 2018 12:14
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 Sample : VW0813SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0813SBSD01

Quant Time: Aug 11 00:59:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	296352	20.297	ug/l	98
40) Benzene	8.33	78	686497	19.625	ug/l	98
41) Methacrylonitrile	7.49	41	52834	16.956	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	173475	17.925	ug/l	100
43) Isopropyl Acetate	8.43	43	153740	15.809	ug/l	97
44) Trichloroethene	9.09	130	167772	19.518	ug/l	95
45) 1,2-Dichloropropane	9.37	63	168800	19.269	ug/l	100
46) Dibromomethane	9.46	93	78402	17.581	ug/l	100
47) Bromodichloromethane	9.65	83	192634	18.300	ug/l	98
48) Methyl methacrylate	9.44	41	72644	15.983	ug/l	100
49) 1,4-Dioxane	9.48	88	23298	342.434	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	523349	77.315	ug/l	99
52) Toluene	10.39	92	412753	20.010	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	189786	17.956	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	229354	18.619	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	112528	17.605	ug/l	99
56) Ethyl methacrylate	10.65	69	124779	16.305	ug/l	100
57) 1,3-Dichloropropane	10.94	76	198459	18.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	322805	85.532	ug/l	99
59) 2-Hexanone	10.98	43	359888	78.416	ug/l	98
60) Dibromochloromethane	11.13	129	122446	17.613	ug/l	99
61) 1,2-Dibromoethane	11.24	107	104621	17.422	ug/l	99
64) Tetrachloroethene	10.87	164	141638	19.686	ug/l	98
65) Chlorobenzene	11.66	112	448934	19.751	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	148436	19.182	ug/l	98
67) Ethyl Benzene	11.74	91	777960	20.190	ug/l	99
68) m/p-Xylenes	11.85	106	605867	40.687	ug/l	100
69) o-Xylene	12.17	106	273248	19.787	ug/l	99
70) Styrene	12.19	104	466733	20.003	ug/l	100
71) Bromoform	12.35	173	72056	16.939	ug/l #	99
73) Isopropylbenzene	12.47	105	778289	20.544	ug/l	100
74) N-amyl acetate	12.28	43	143711	15.644	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	134140	16.962	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	171384	30.240	ug/l #	100
77) Bromobenzene	12.76	156	178209	19.443	ug/l	97
78) n-propylbenzene	12.81	91	983295	21.035	ug/l	100
79) 2-Chlorotoluene	12.90	91	553609	20.465	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	675560	20.905	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	38333	16.192	ug/l	97
82) 4-Chlorotoluene	12.99	91	575805	20.056	ug/l	98
83) tert-Butylbenzene	13.21	119	559299	20.634	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	696195	20.810	ug/l	100
85) sec-Butylbenzene	13.39	105	858646	20.998	ug/l	100
86) p-Isopropyltoluene	13.51	119	744801	21.019	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	372731	19.736	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	370667	19.716	ug/l	99
89) n-Butylbenzene	13.83	91	723857	20.791	ug/l	99
90) Hexachloroethane	14.10	117	130955	19.975	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	329237	19.215	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20295	15.705	ug/l	98

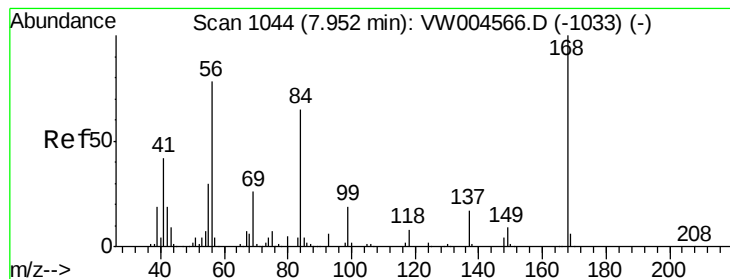
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
Data File : VW004590.D
Acq On : 10 Aug 2018 12:14
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Sample : VW0813SBSD01
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Instrument :
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Quant Time: Aug 11 00:59:05 2018
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	228002	19.220	ug/l	99
94) Hexachlorobutadiene	15.24	225	143375	20.757	ug/l	99
95) Naphthalene	15.38	128	367062	17.034	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	198451	18.616	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

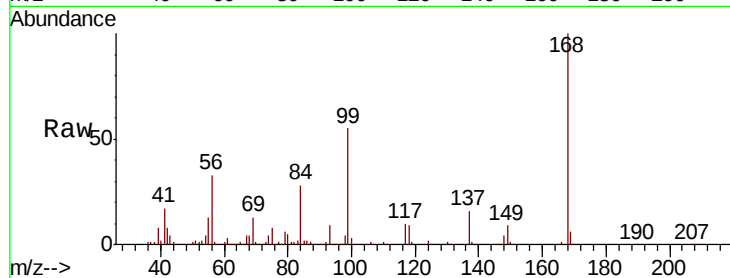
VW0813SBSD01

Tgt Ion:168 Resp: 719971

Ion Ratio Lower Upper

168 100

99 54.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

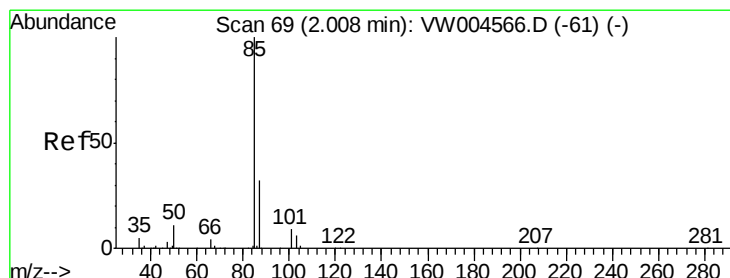
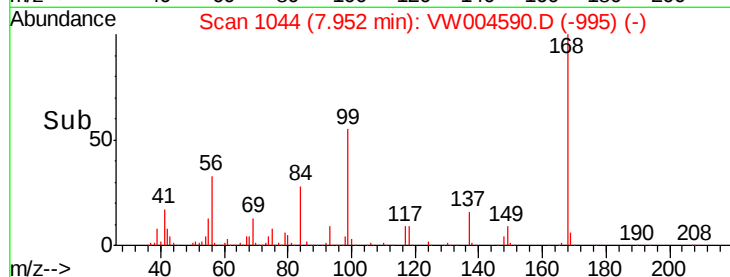
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.089 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004590.D

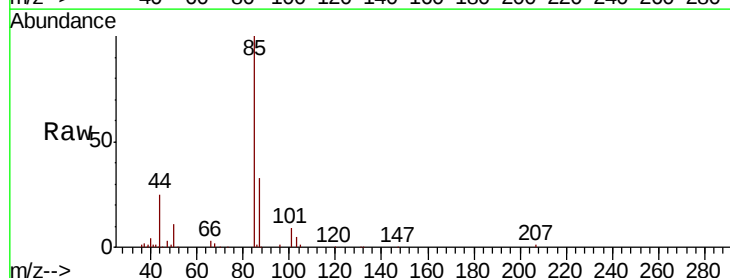
Acq: 10 Aug 2018 12:14

Tgt Ion: 85 Resp: 104200

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

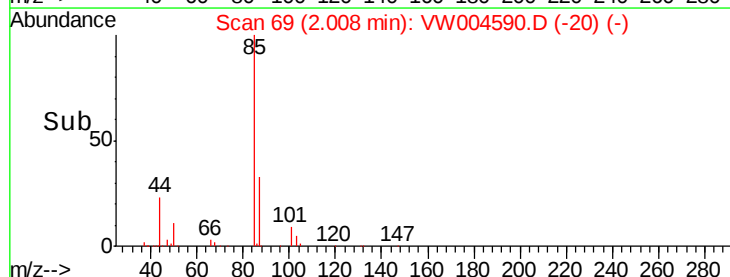
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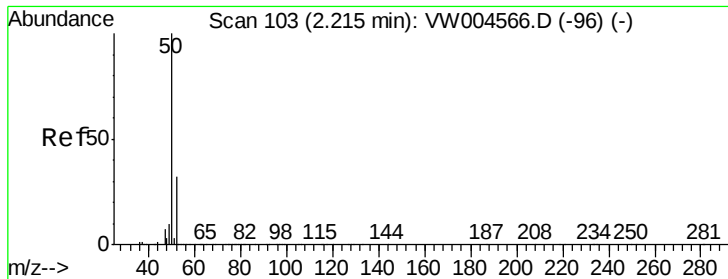
10000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 19.815 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

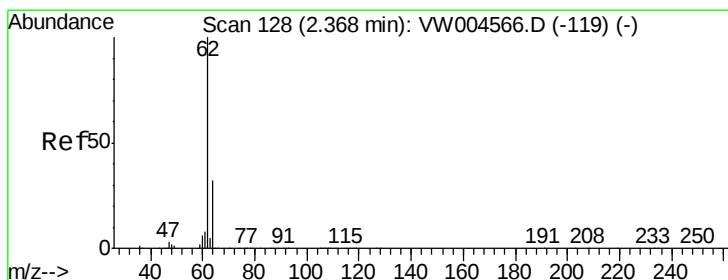
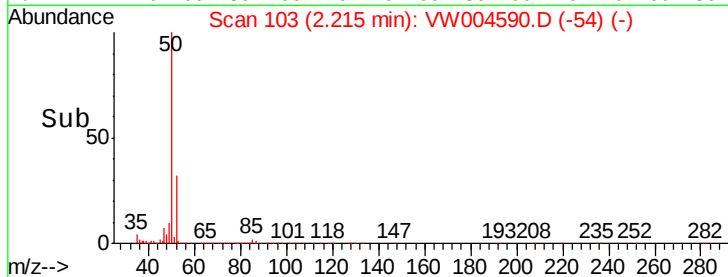
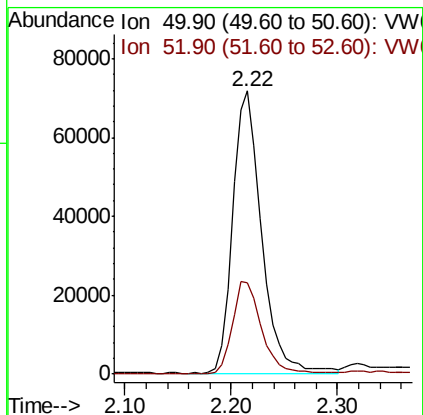
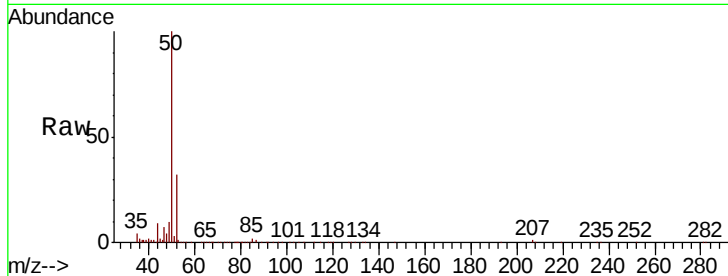
VW0813SBSD01

Tgt Ion: 50 Resp: 136393

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.8



#4

Vinyl Chloride

Concen: 20.884 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004590.D

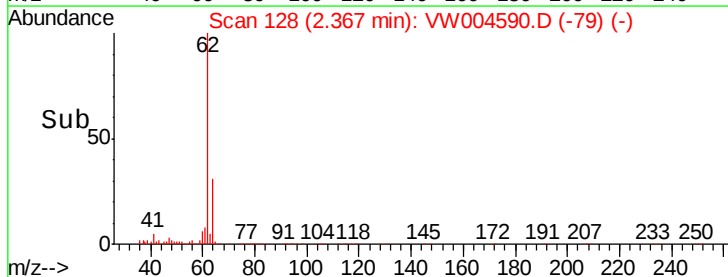
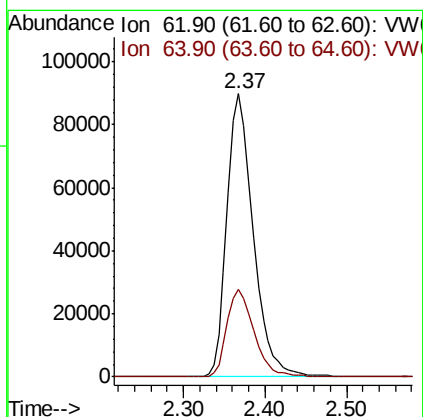
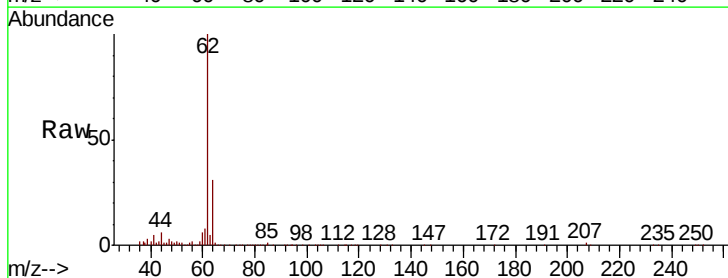
Acq: 10 Aug 2018 12:14

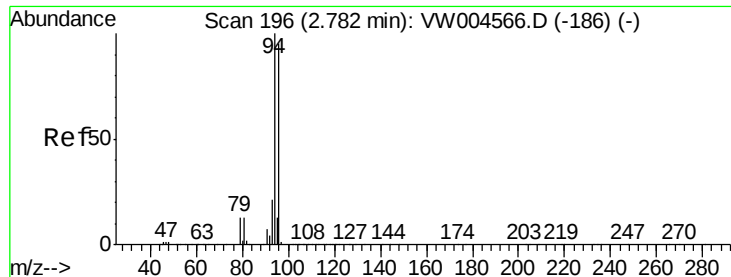
Tgt Ion: 62 Resp: 200812

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2





#5

Bromomethane

Concen: 20.488 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

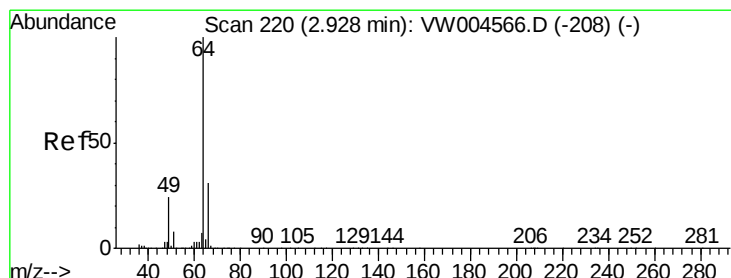
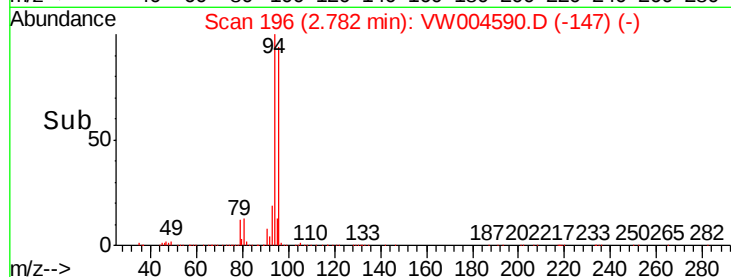
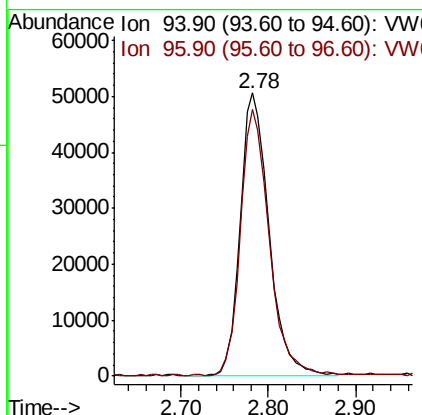
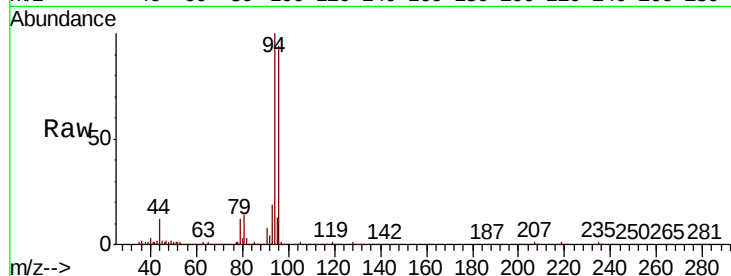
VW0813SBSD01

Tgt Ion: 94 Resp: 114709

Ion Ratio Lower Upper

94 100

96 94.3 72.9 109.3



#6

Chloroethane

Concen: 20.646 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004590.D

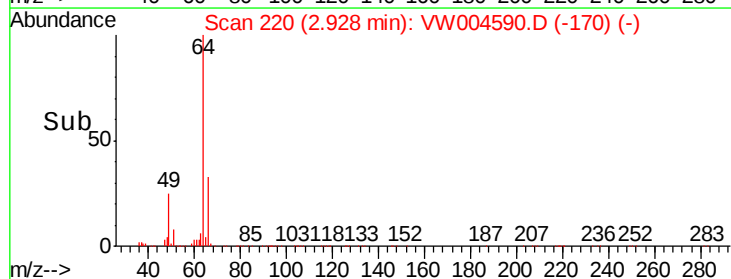
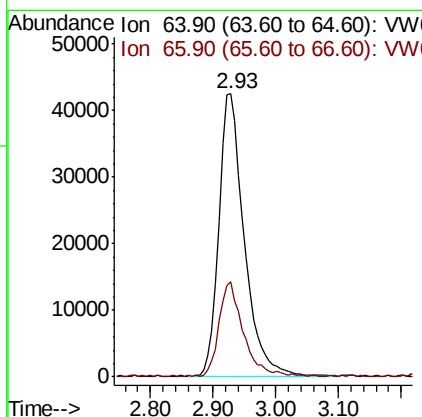
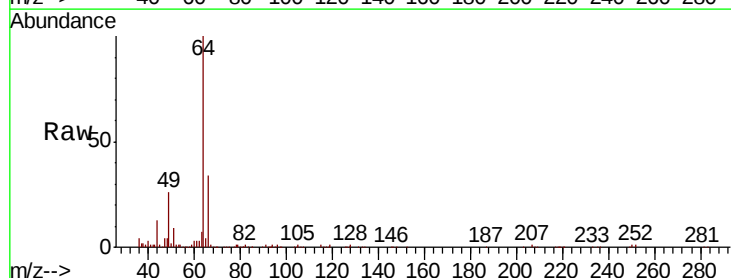
Acq: 10 Aug 2018 12:14

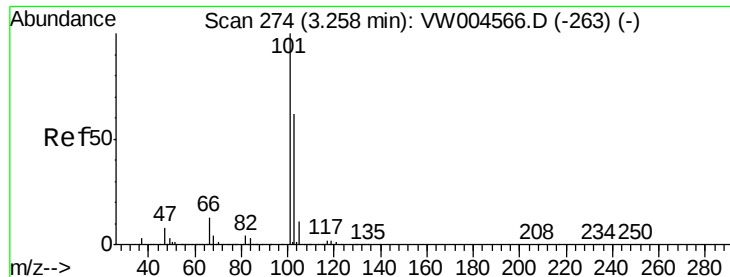
Tgt Ion: 64 Resp: 118625

Ion Ratio Lower Upper

64 100

66 33.3 24.6 36.8



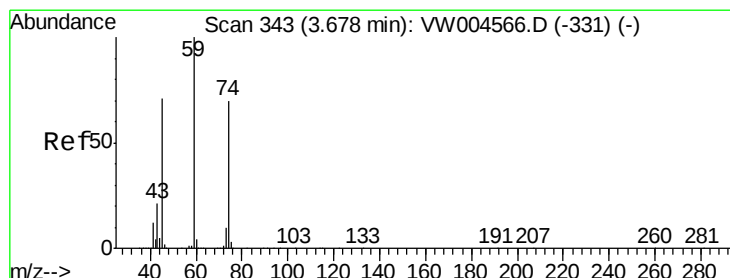
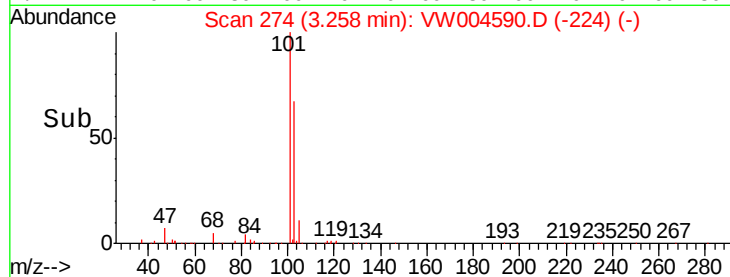
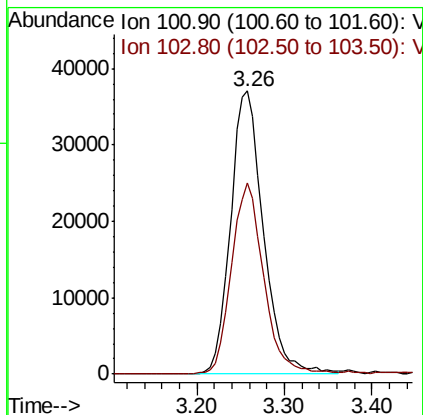
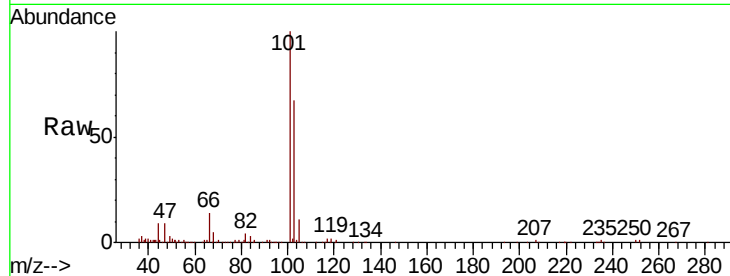


#7

Trichlorofluoromethane
 Concen: 27.275 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

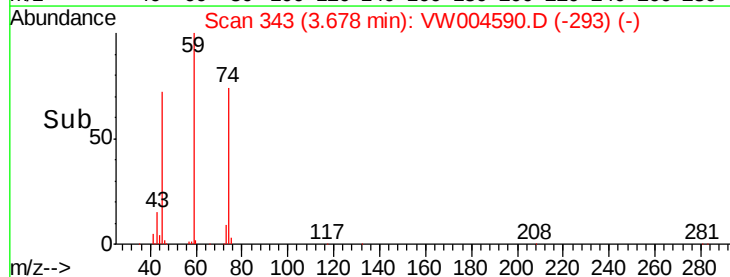
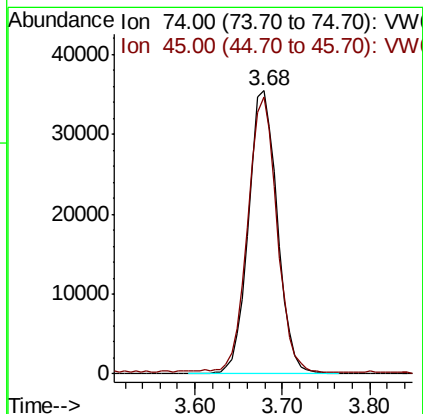
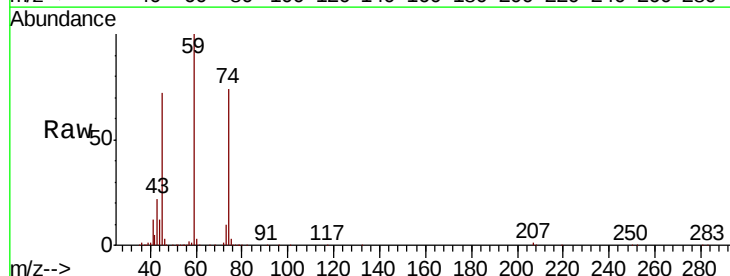
Tgt Ion: 101 Resp: 96865
 Ion Ratio Lower Upper
 101 100
 103 67.0 49.8 74.8

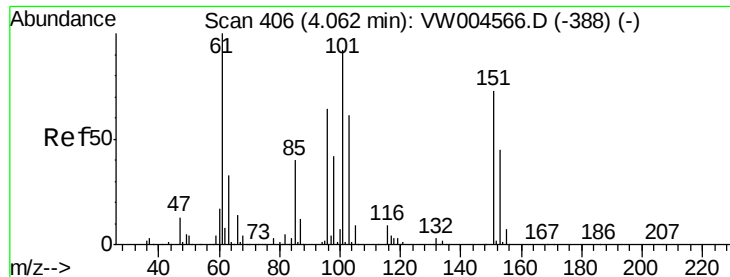


#8

Diethyl Ether
 Concen: 18.118 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 74 Resp: 81398
 Ion Ratio Lower Upper
 74 100
 45 99.3 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.443 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD01

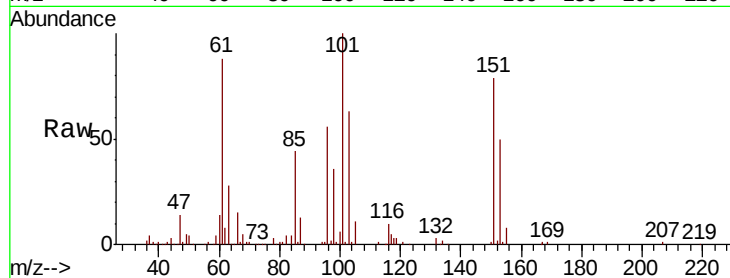
Tgt Ion:101 Resp: 160360

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

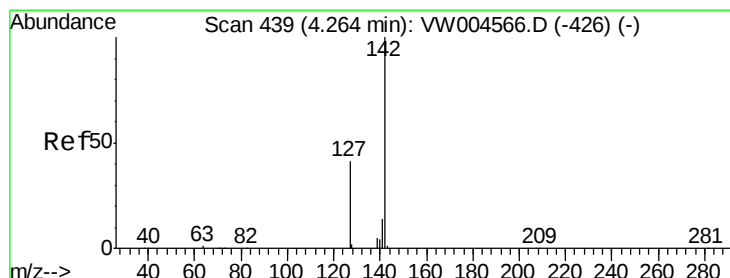
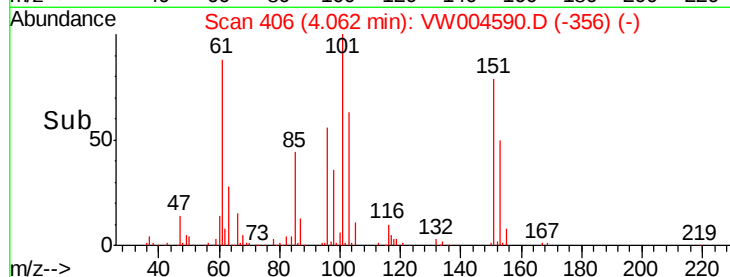
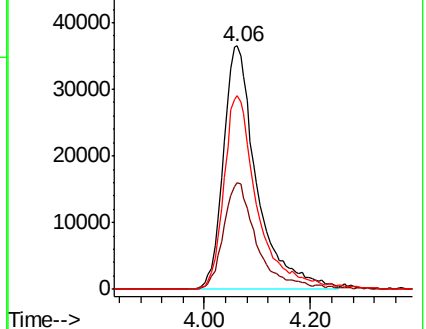
151 78.4 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.804 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

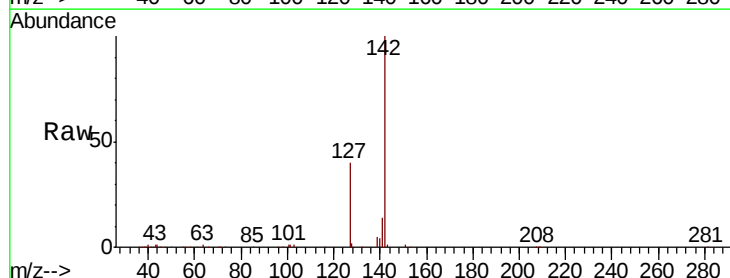
Tgt Ion:142 Resp: 233072

Ion Ratio Lower Upper

142 100

127 40.6 32.7 49.1

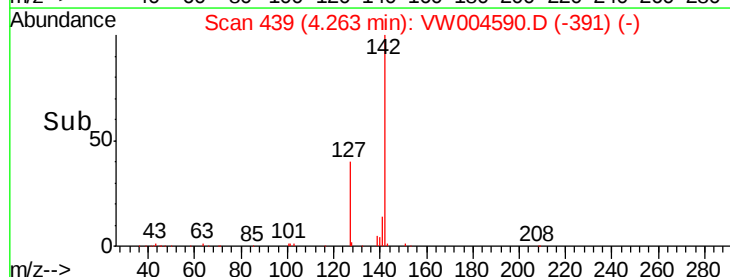
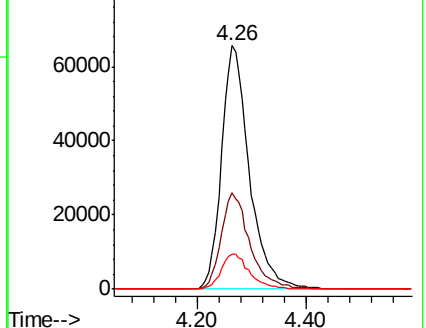
141 14.7 11.5 17.3

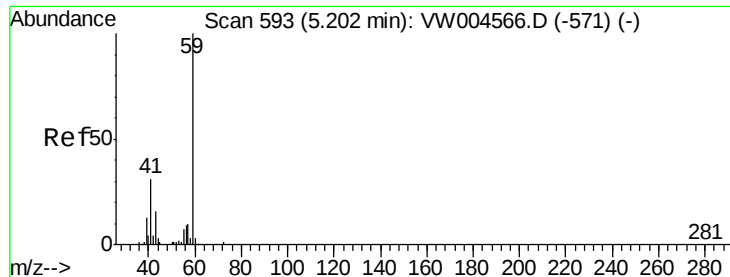


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



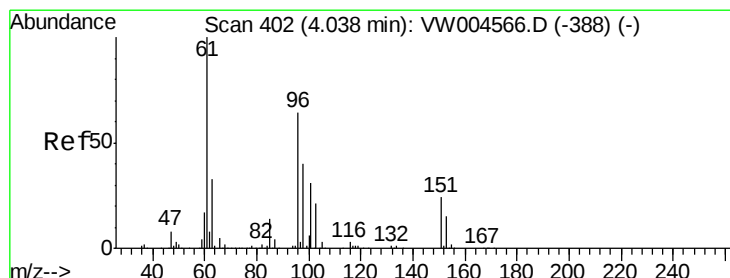
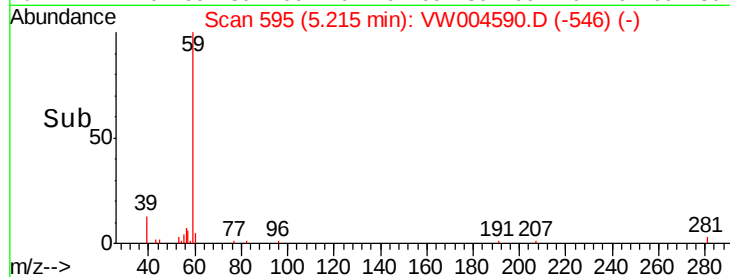
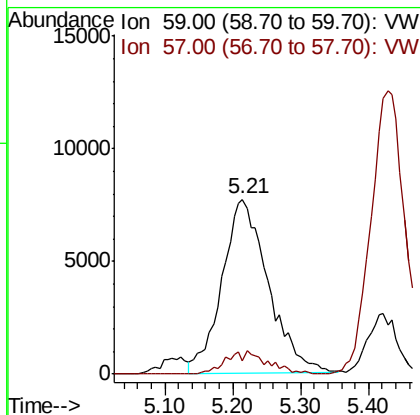
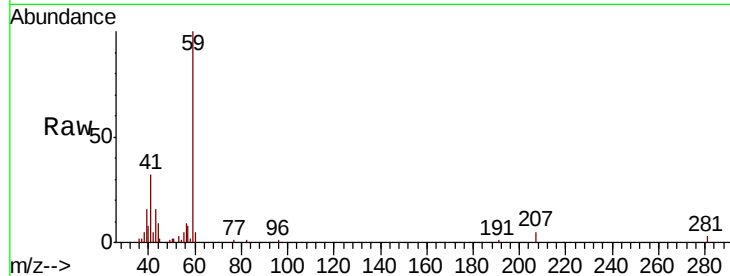


#11

Tert butyl alcohol
 Concen: 78.042 ug/l
 RT: 5.21 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

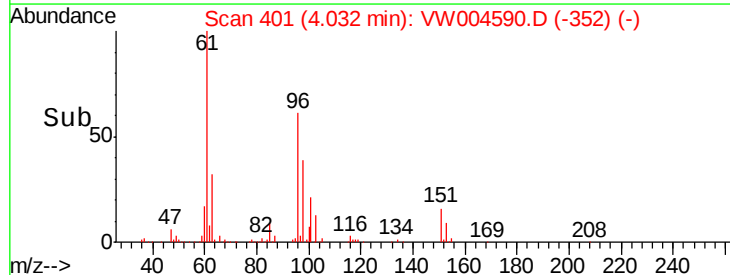
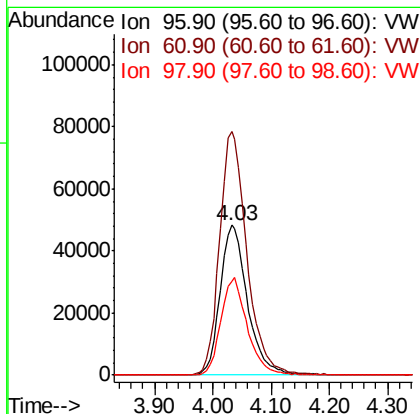
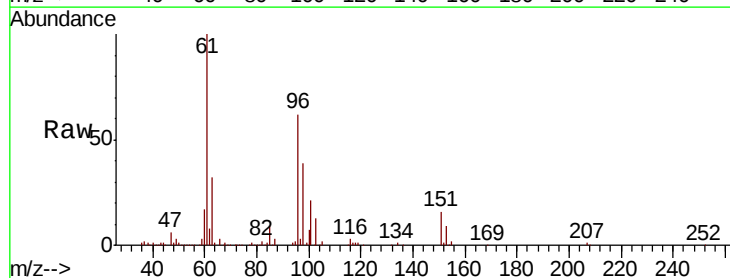
Tgt Ion: 59 Resp: 36418
 Ion Ratio Lower Upper
 59 100
 57 5.2 9.1 13.7#

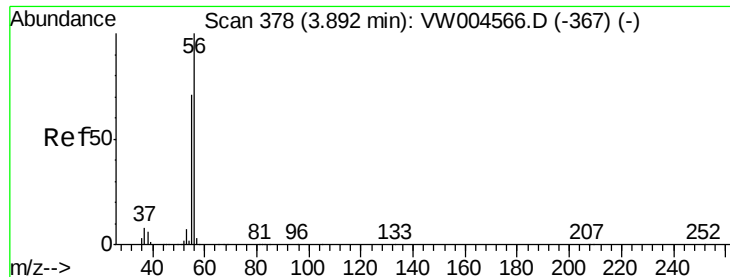


#12

1,1-Dichloroethene
 Concen: 19.812 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 96 Resp: 156424
 Ion Ratio Lower Upper
 96 100
 61 162.5 130.6 195.8
 98 63.0 49.6 74.4





#13

Acrolein

Concen: 89.817 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

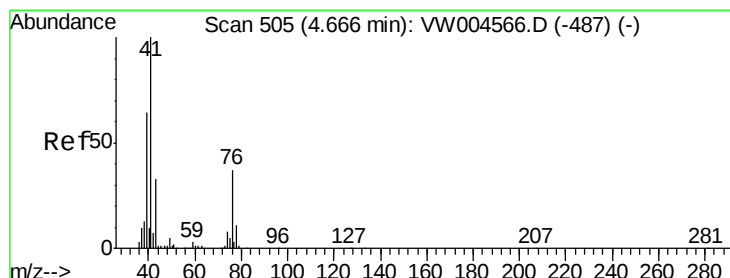
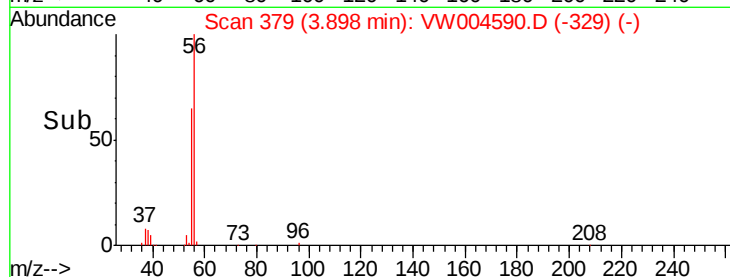
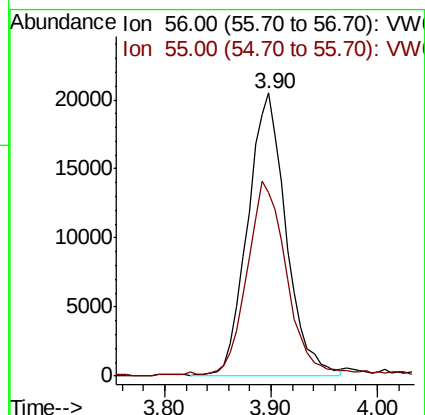
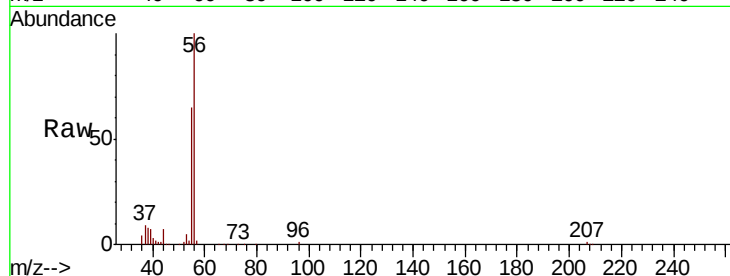
VW0813SBSD01

Tgt Ion: 56 Resp: 51354

Ion Ratio Lower Upper

56 100

55 71.3 56.7 85.1



#14

Allyl chloride

Concen: 19.893 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

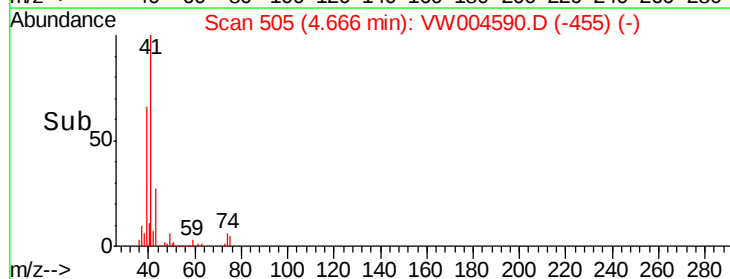
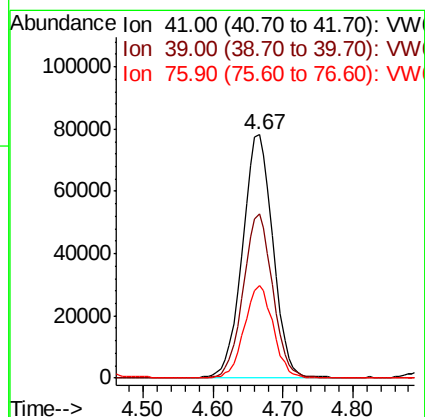
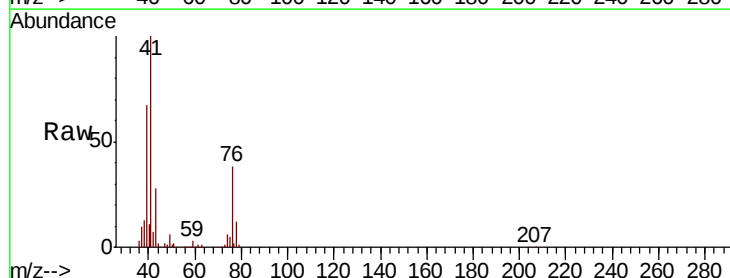
Tgt Ion: 41 Resp: 235978

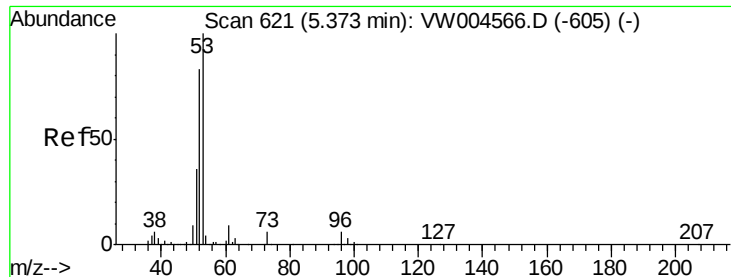
Ion Ratio Lower Upper

41 100

39 65.7 51.9 77.9

76 36.3 29.0 43.6

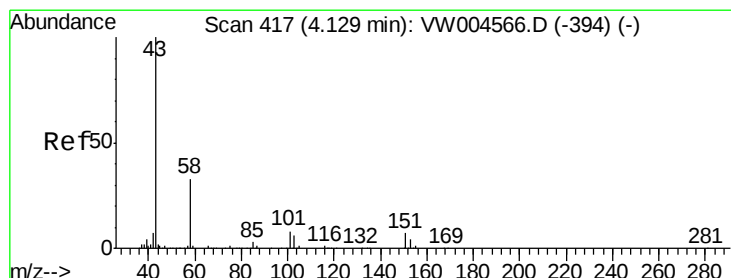
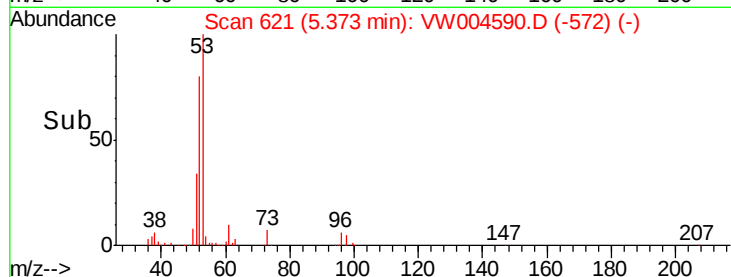
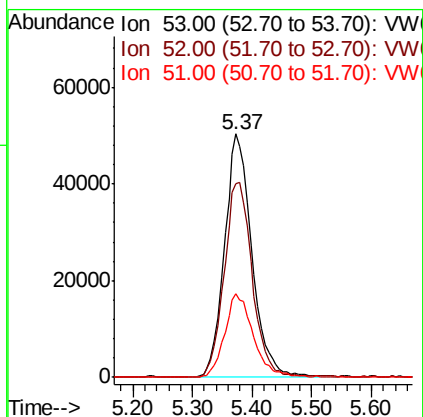
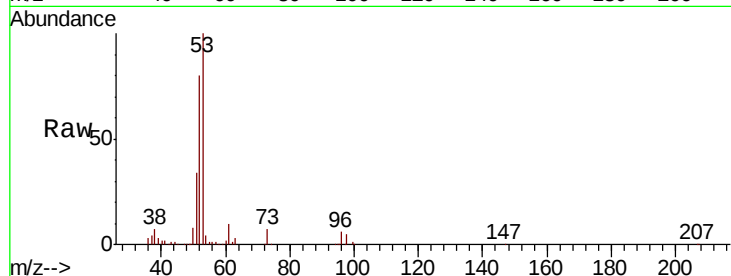




#15
 Acrylonitrile
 Concen: 80.424 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

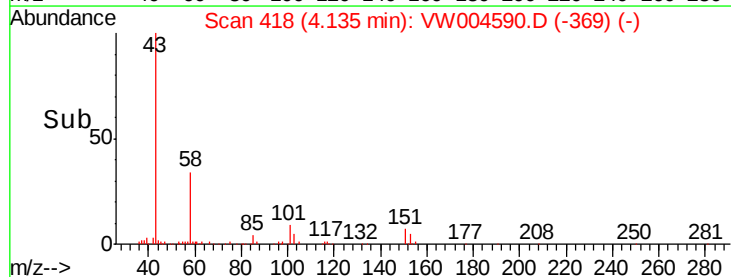
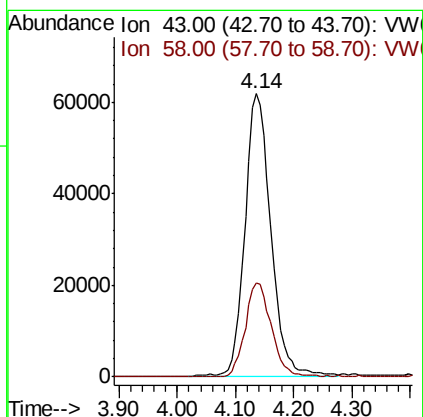
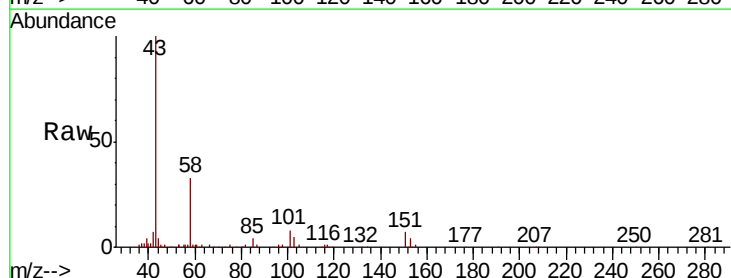
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

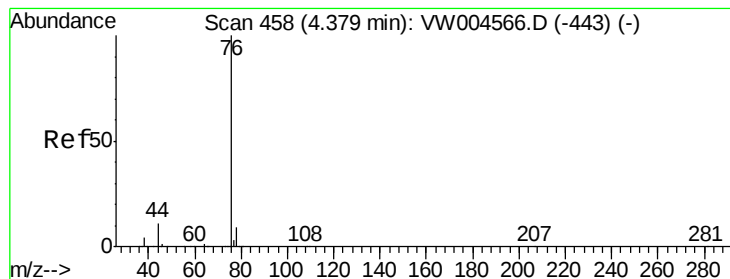
Tgt Ion: 53 Resp: 160565
 Ion Ratio Lower Upper
 53 100
 52 82.2 66.5 99.7
 51 35.8 28.4 42.6



#16
 Acetone
 Concen: 95.807 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 43 Resp: 190689
 Ion Ratio Lower Upper
 43 100
 58 33.1 26.8 40.2





#17

Carbon Disulfide

Concen: 20.348 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

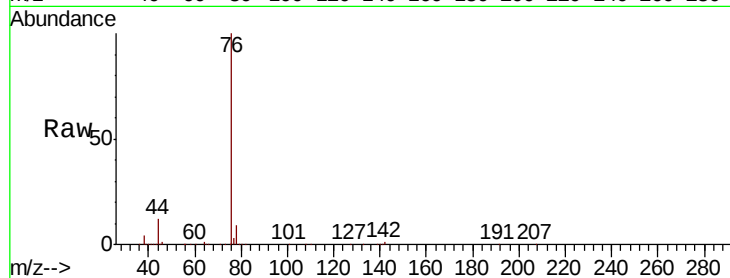
VW0813SBSD01

Tgt Ion: 76 Resp: 516303

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

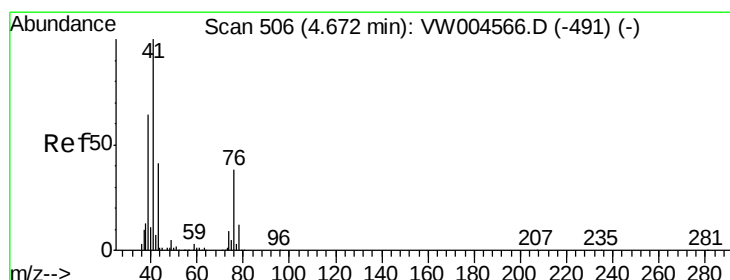
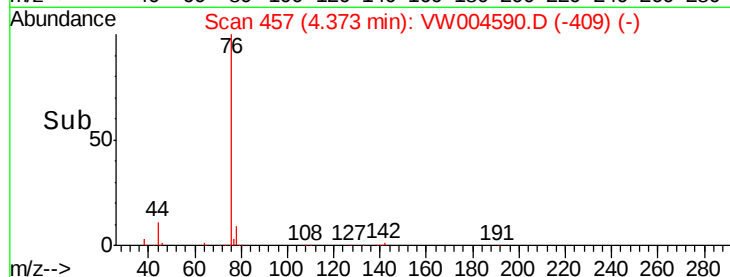
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 14.820 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004590.D

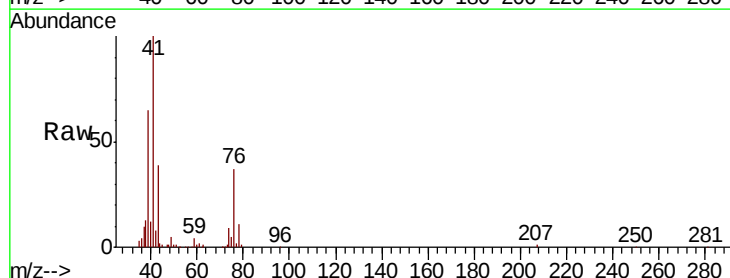
Acq: 10 Aug 2018 12:14

Tgt Ion: 43 Resp: 73554

Ion Ratio Lower Upper

43 100

74 23.6 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

25000

20000

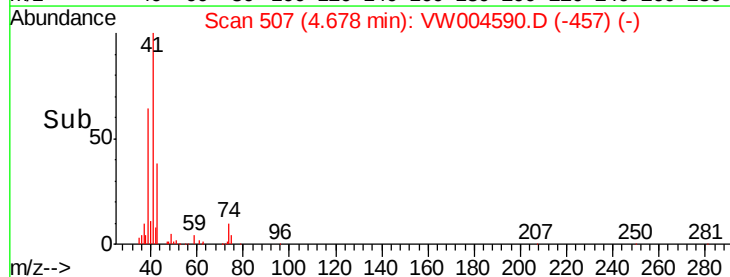
15000

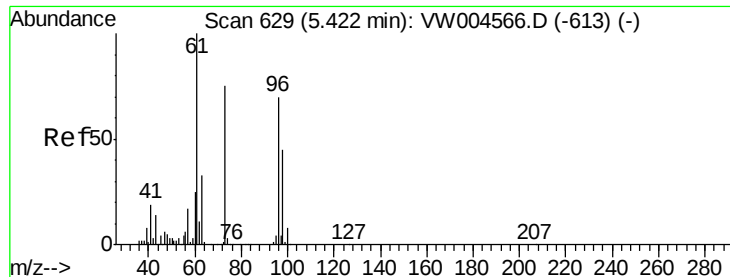
10000

5000

0

Time--> 4.50 4.60 4.70 4.80

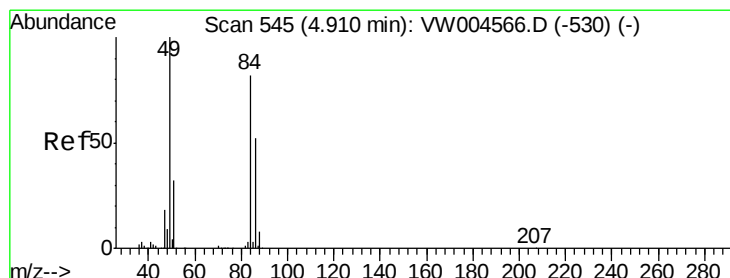
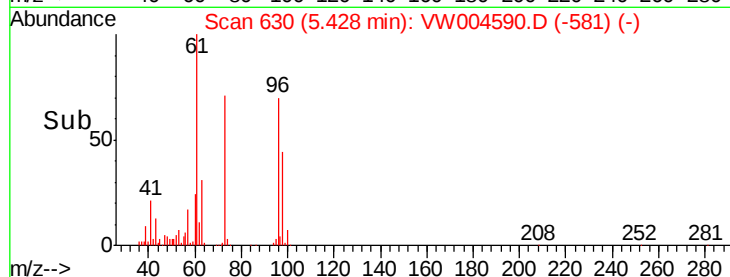
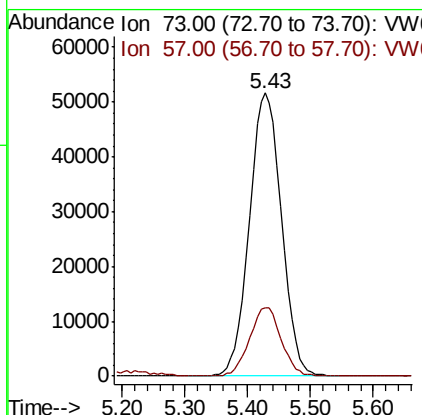
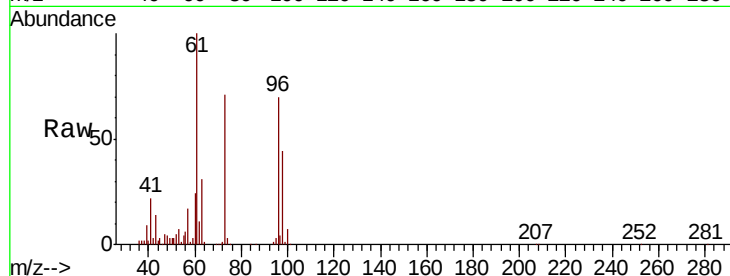




#19
Methyl tert-butyl Ether
Concen: 16.988 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

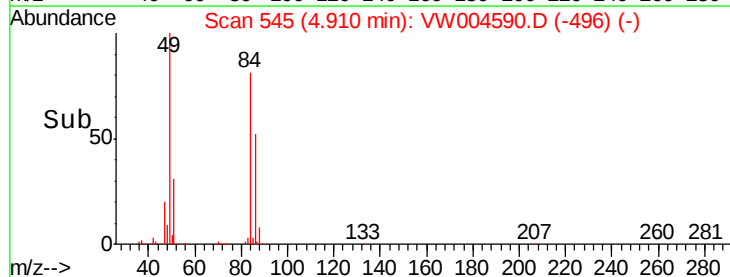
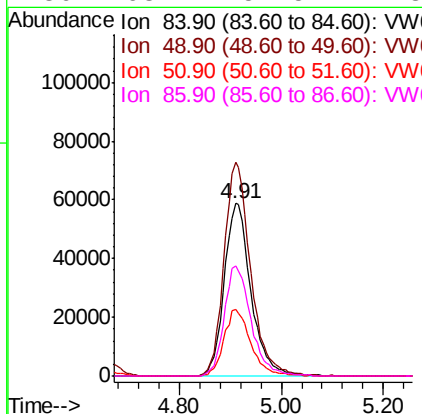
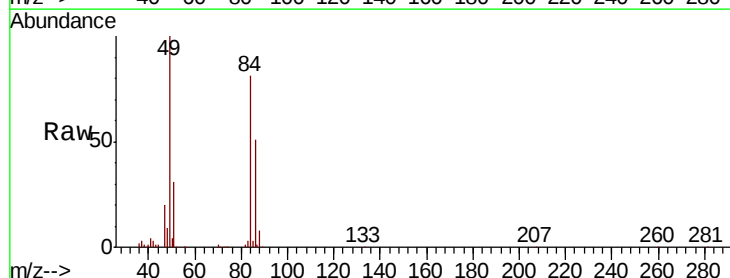
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

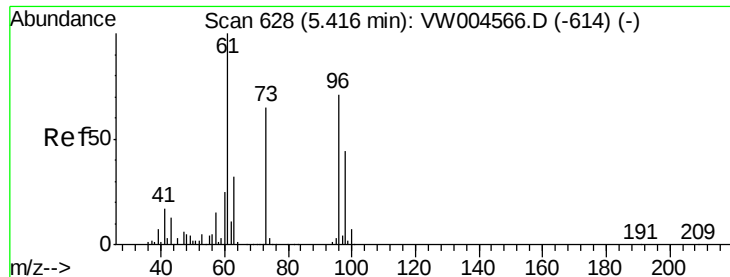
Tgt Ion: 73 Resp: 182948
Ion Ratio Lower Upper
73 100
57 24.3 19.6 29.4



#20
Methylene Chloride
Concen: 15.885 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion: 84 Resp: 213191
Ion Ratio Lower Upper
84 100
49 123.8 99.6 149.4
51 38.7 31.0 46.4
86 63.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.355 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD01

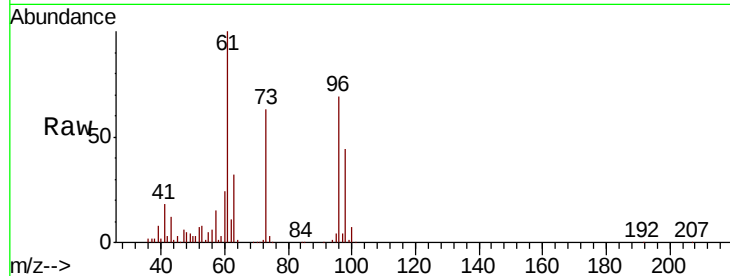
Tgt Ion: 96 Resp: 164681

Ion Ratio Lower Upper

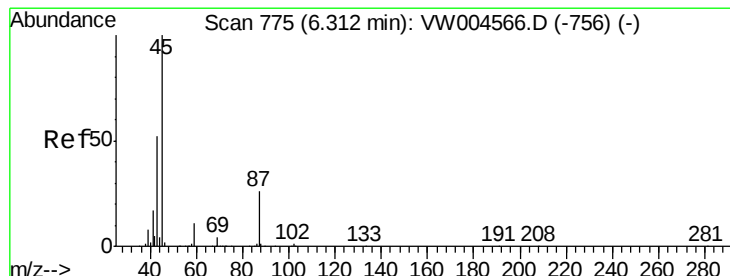
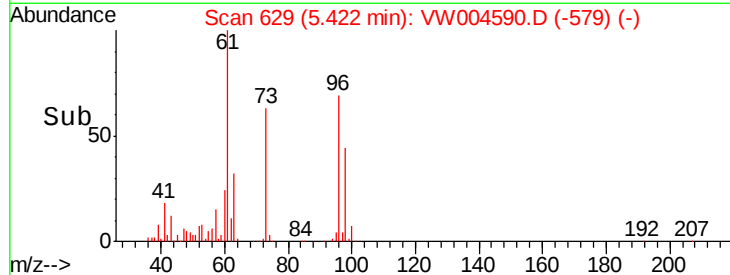
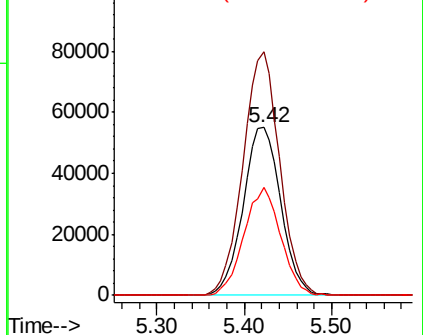
96 100

61 145.1 114.1 171.1

98 64.1 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.548 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Tgt Ion: 45 Resp: 476538

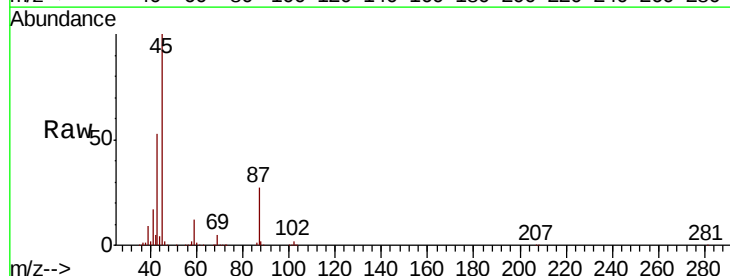
Ion Ratio Lower Upper

45 100

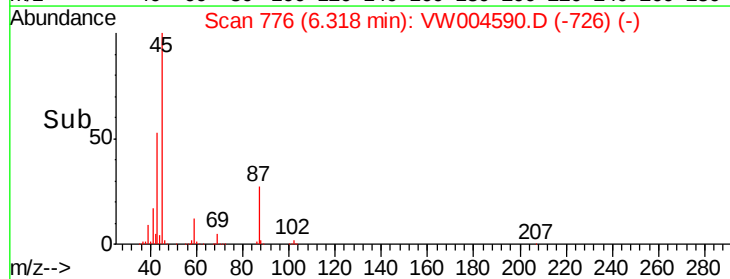
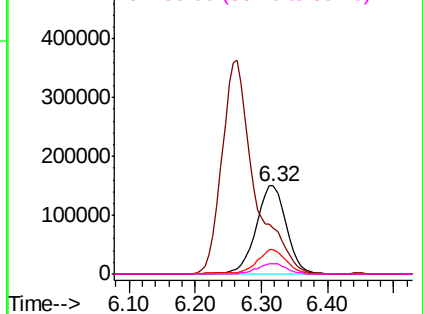
43 52.6 42.4 63.6

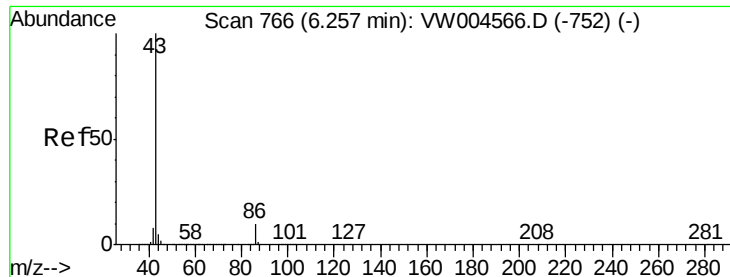
87 26.9 21.6 32.4

59 11.8 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 84.178 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

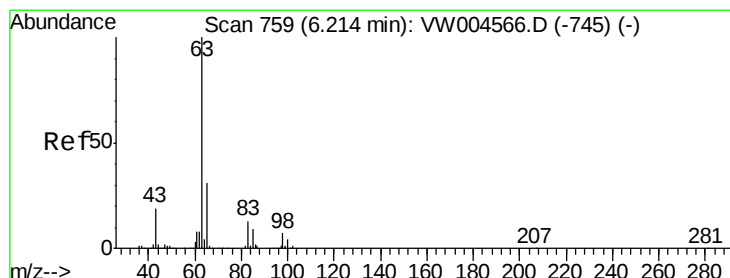
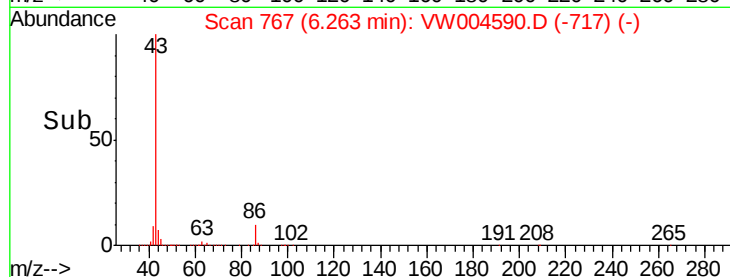
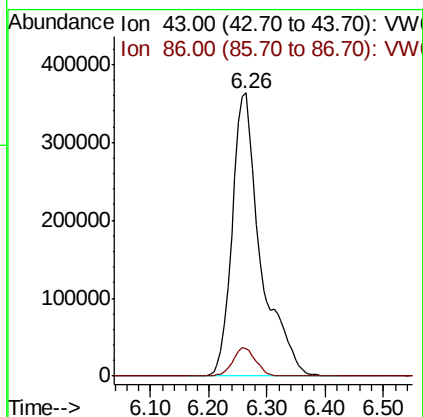
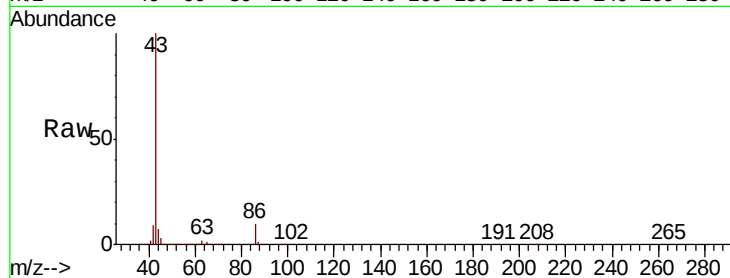
VW0813SBSD01

Tgt Ion: 43 Resp: 1233284

Ion Ratio Lower Upper

43 100

86 9.8 7.9 11.9



#24

1,1-Dichloroethane

Concen: 19.280 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

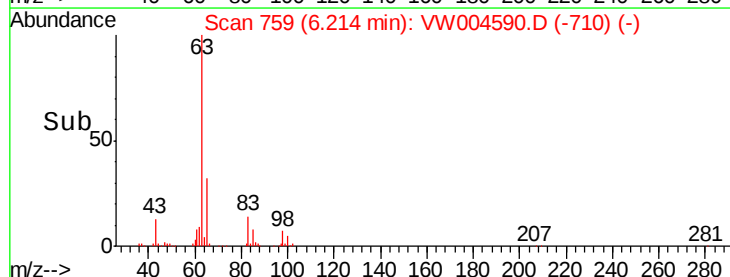
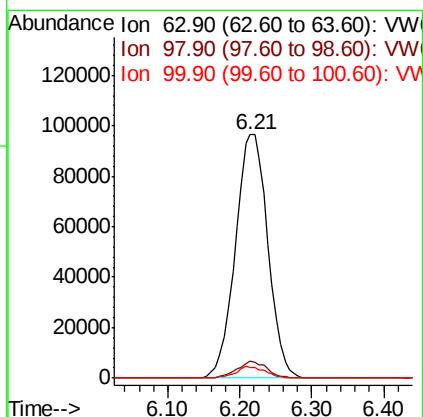
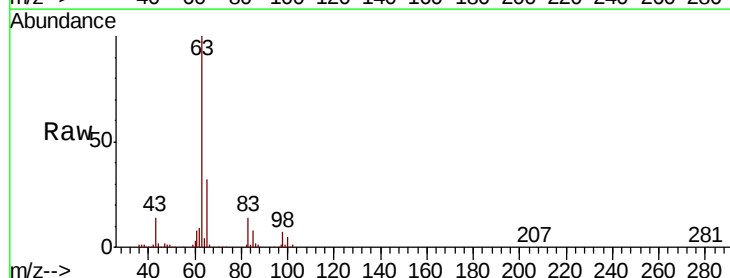
Tgt Ion: 63 Resp: 300842

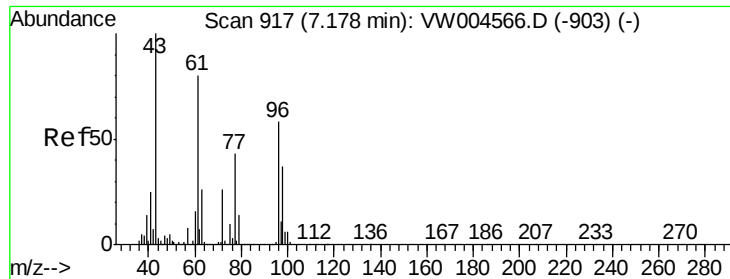
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 77.865 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

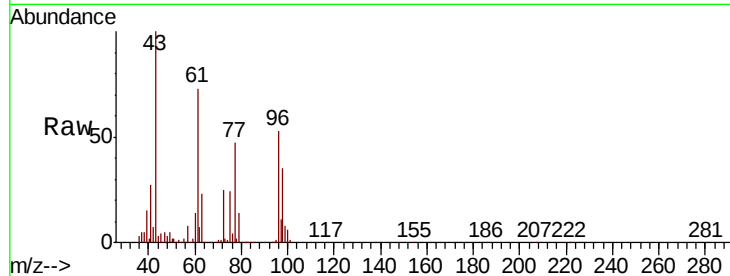
VW0813SBS01

Tgt Ion: 43 Resp: 249295

Ion Ratio Lower Upper

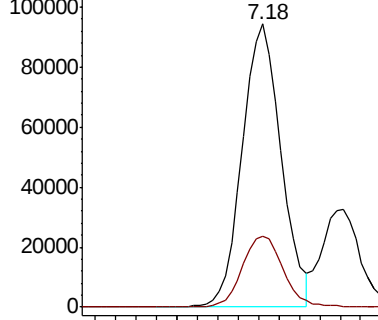
43 100

72 25.2 21.0 31.6

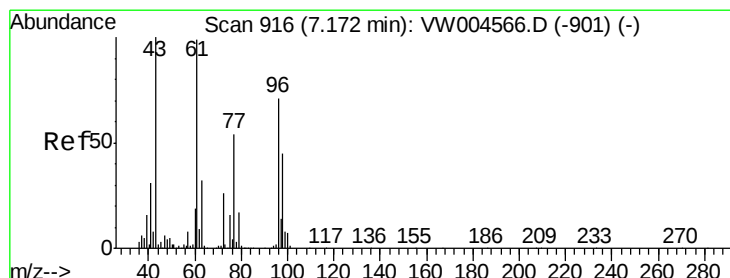
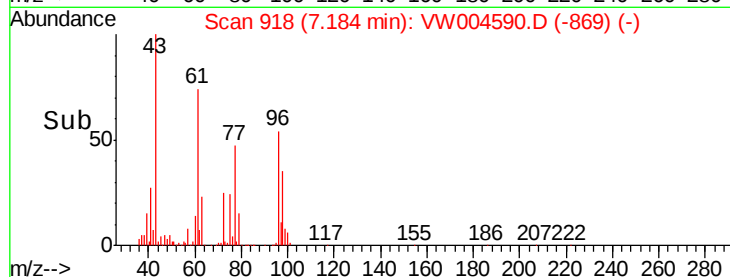


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 21.771 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004590.D

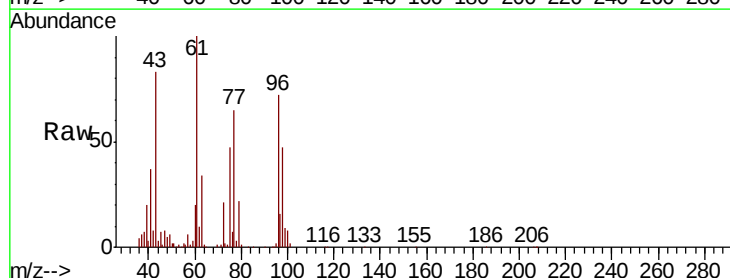
Acq: 10 Aug 2018 12:14

Tgt Ion: 77 Resp: 178288

Ion Ratio Lower Upper

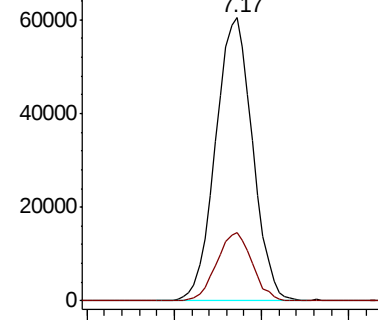
77 100

97 23.2 12.5 37.5

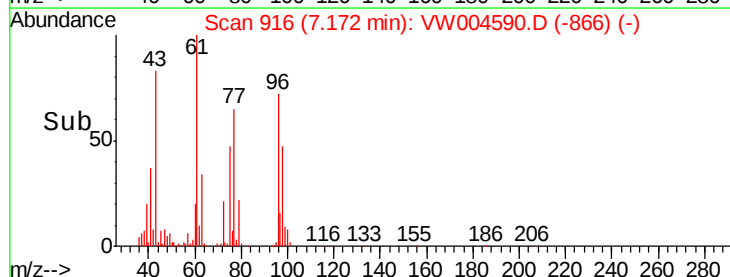


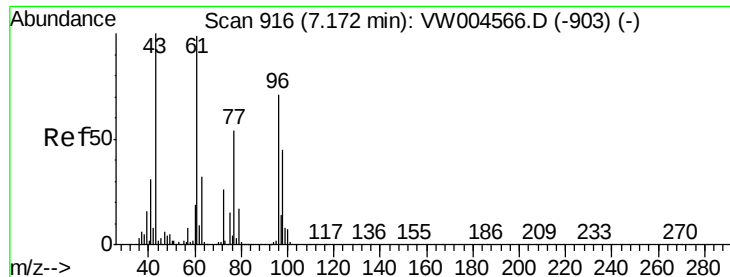
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



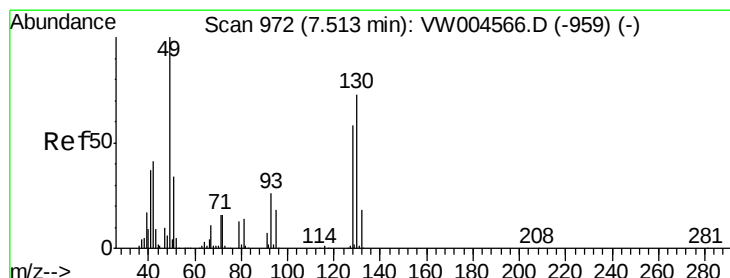
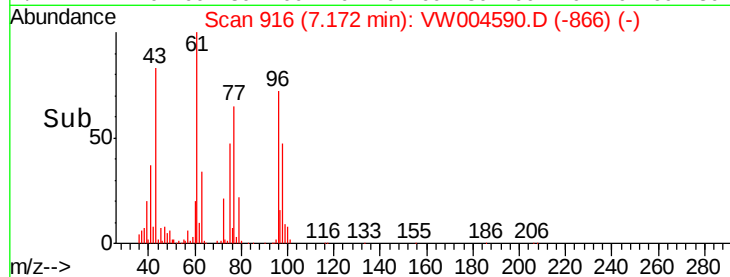
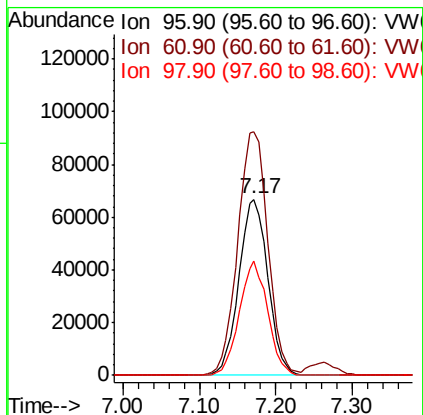
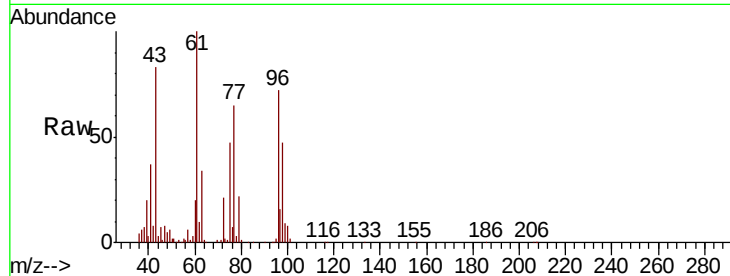


#27

cis-1,2-Dichloroethene
 Concen: 19.213 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

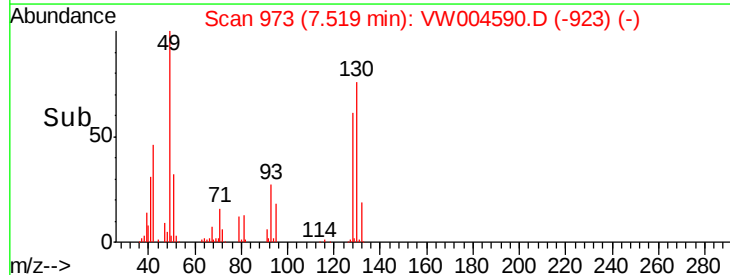
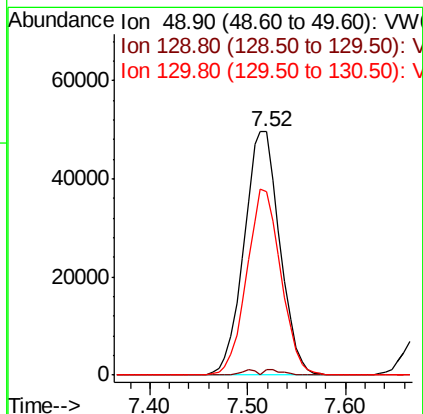
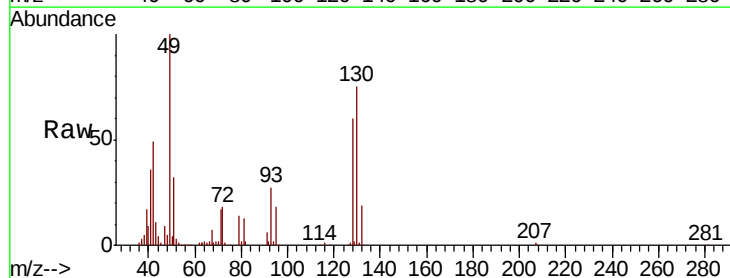
Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	285.0
98	63.3	0.0	128.6

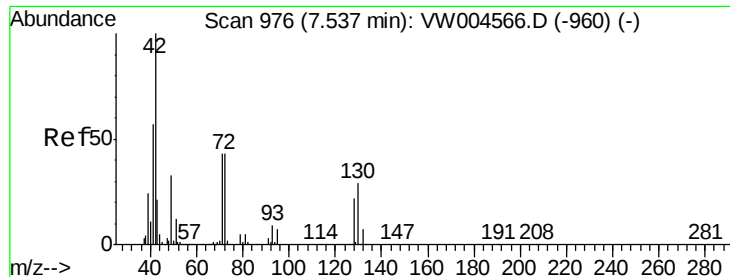


#28

Bromochloromethane
 Concen: 18.533 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	73.1	58.8	88.2

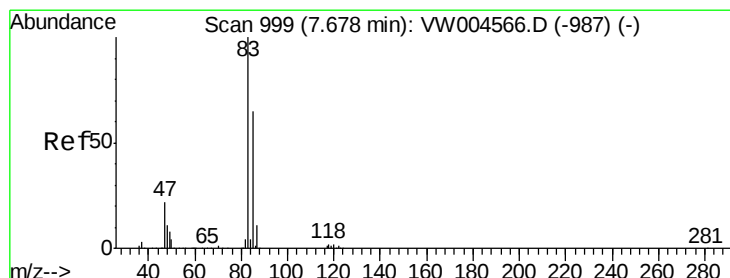
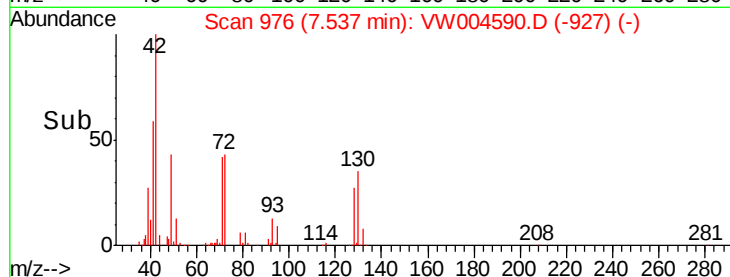
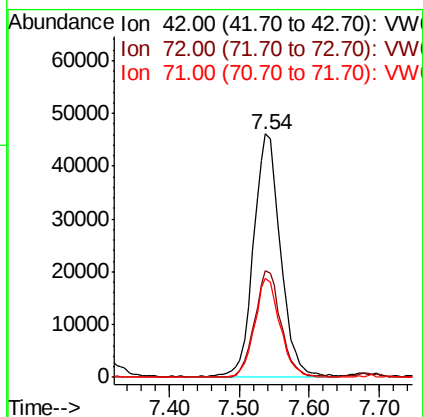
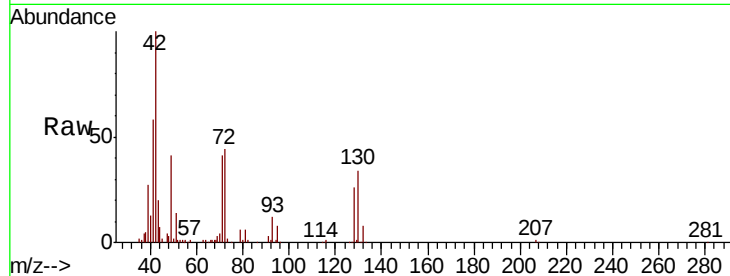




#29
Tetrahydrofuran
Concen: 73.966 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

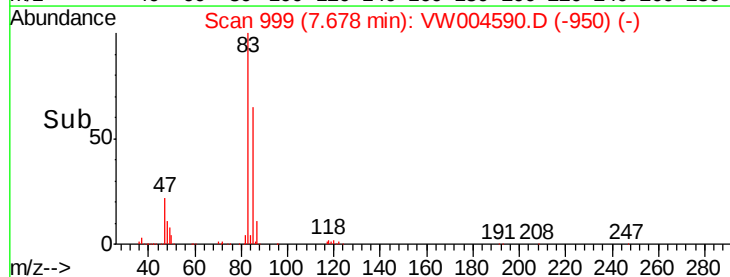
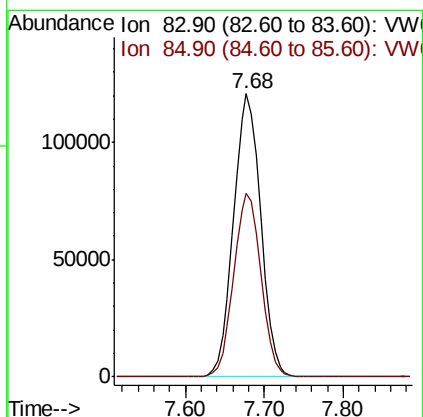
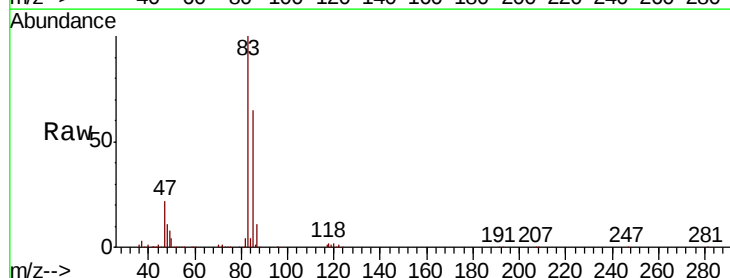
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

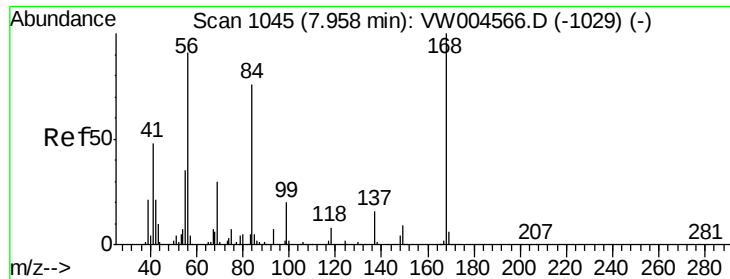
Tgt Ion: 42 Resp: 122425
Ion Ratio Lower Upper
42 100
72 42.9 34.1 51.1
71 39.0 32.5 48.7



#30
Chloroform
Concen: 18.949 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion: 83 Resp: 290416
Ion Ratio Lower Upper
83 100
85 64.7 51.3 76.9

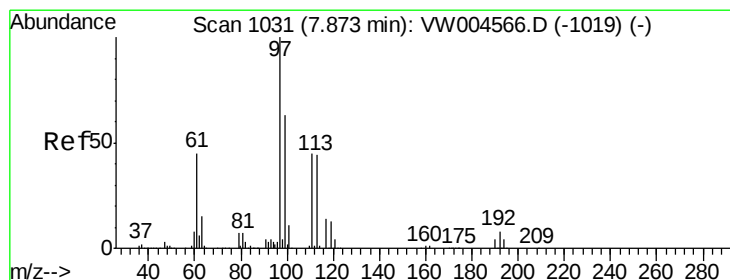
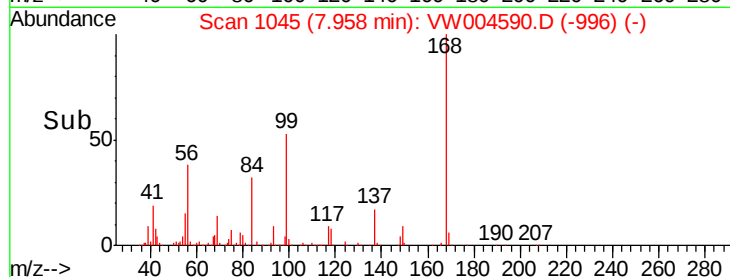
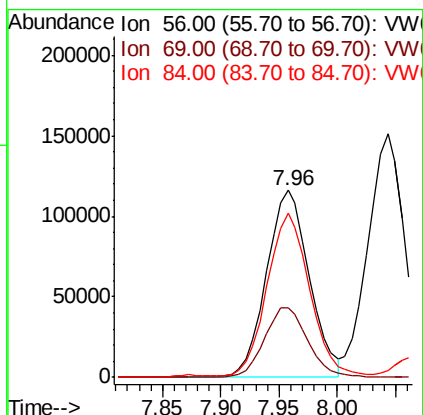
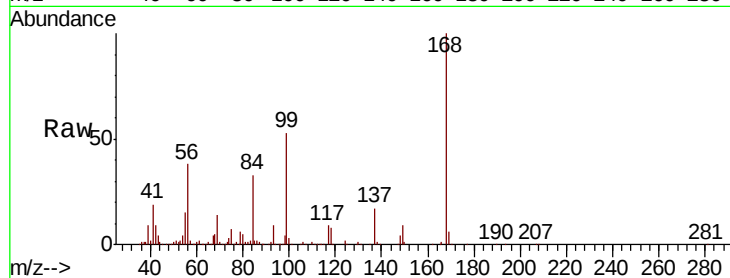




#31
Cyclohexane
Concen: 19.870 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

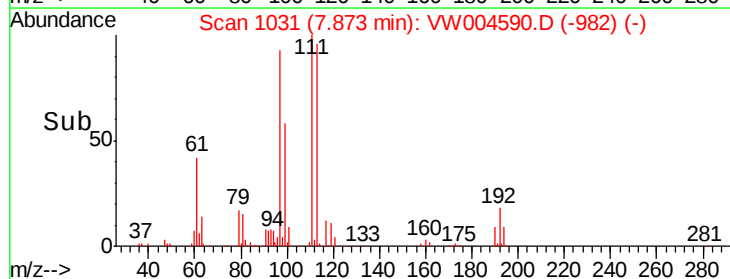
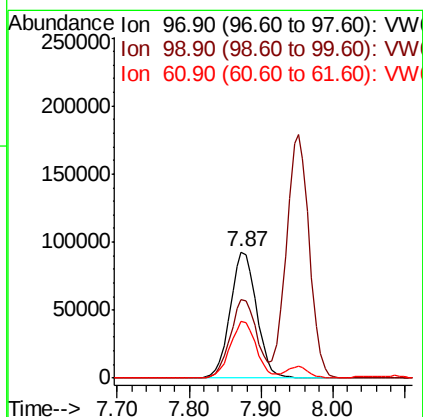
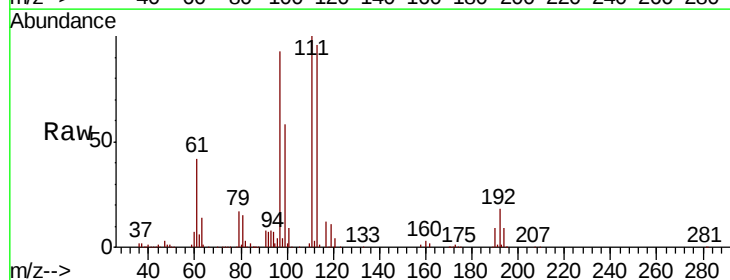
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

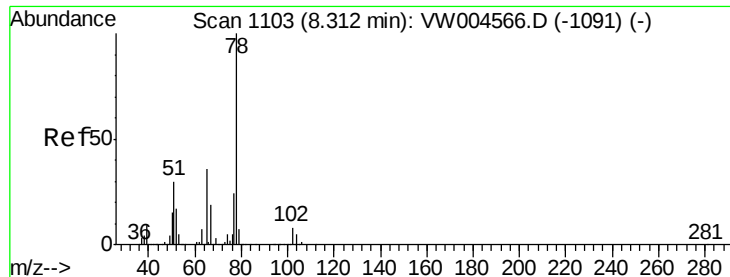
Tgt Ion: 56 Resp: 296646
Ion Ratio Lower Upper
56 100
69 37.4 26.4 39.6
84 86.2 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 20.431 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion: 97 Resp: 235201
Ion Ratio Lower Upper
97 100
99 62.1 51.6 77.4
61 44.9 35.7 53.5

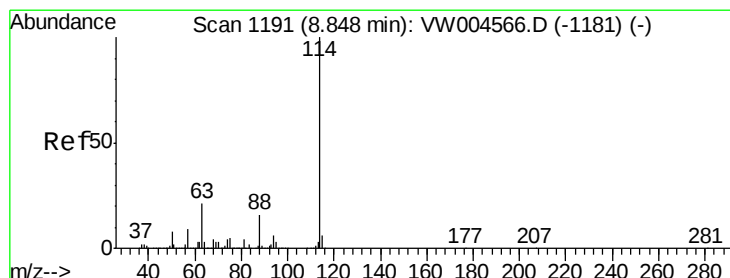
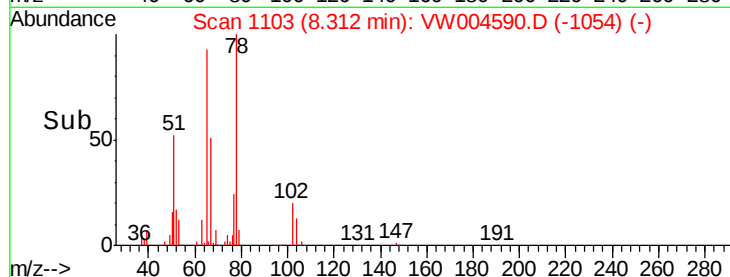
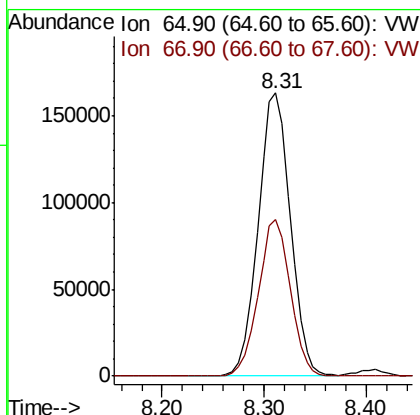
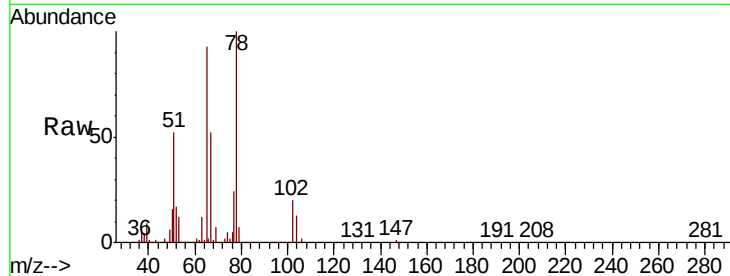




#33
 1,2-Dichloroethane-d4
 Concen: 44.928 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

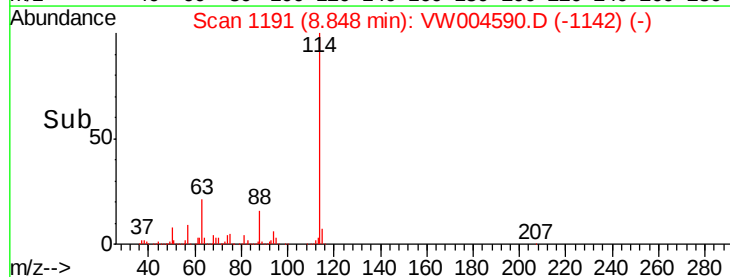
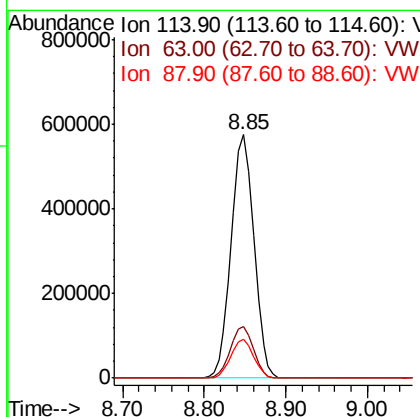
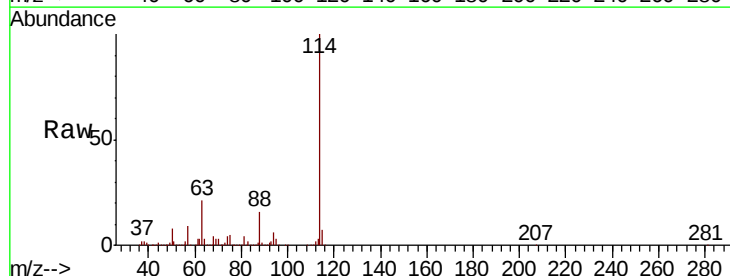
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

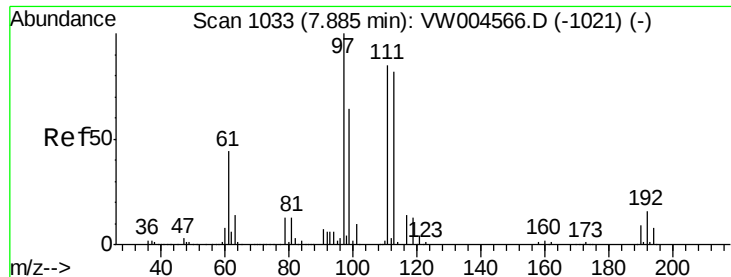
Tgt Ion: 65 Resp: 358072
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 114 Resp: 1106318
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.4
 88 15.8 0.0 31.2

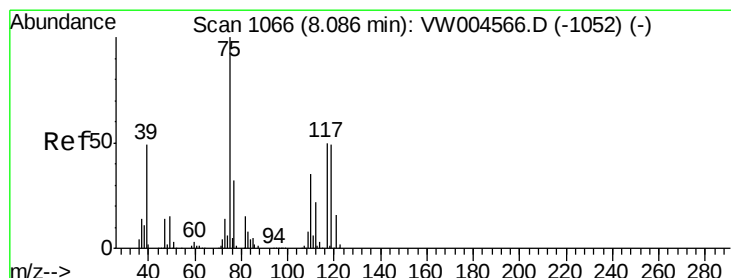
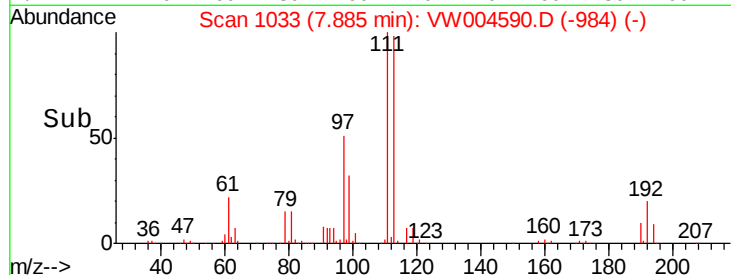
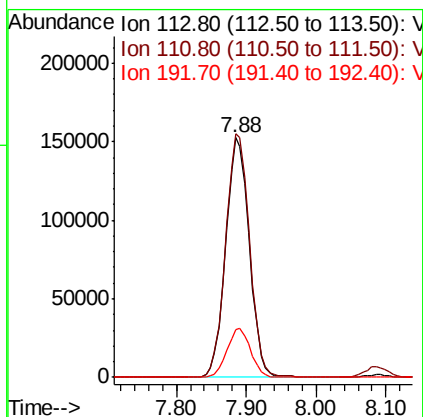
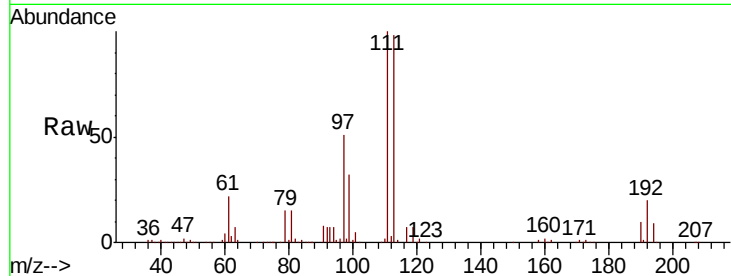




#35
 Dibromofluoromethane
 Concen: 48.450 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

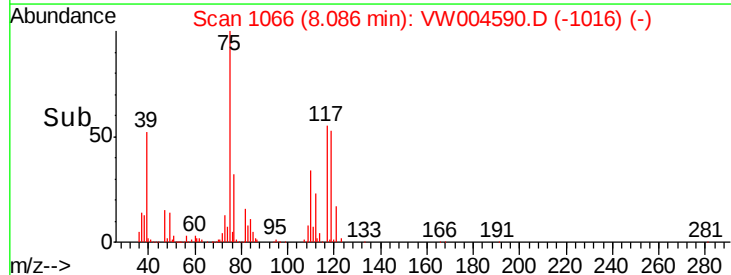
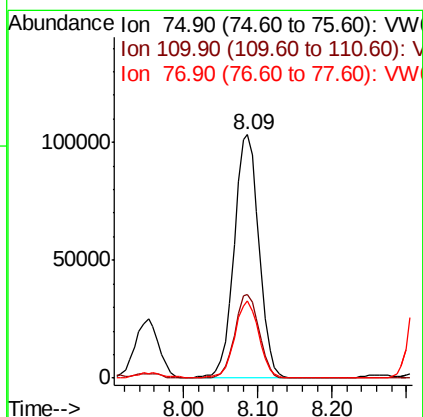
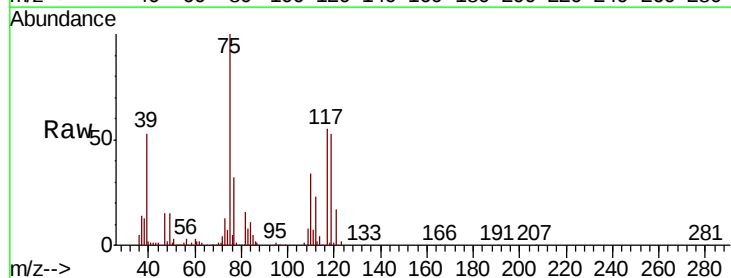
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

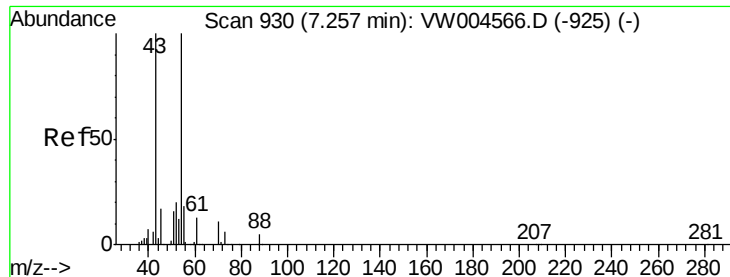
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	20.3	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 20.300 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.4	52.2
77	31.0	24.7	37.1

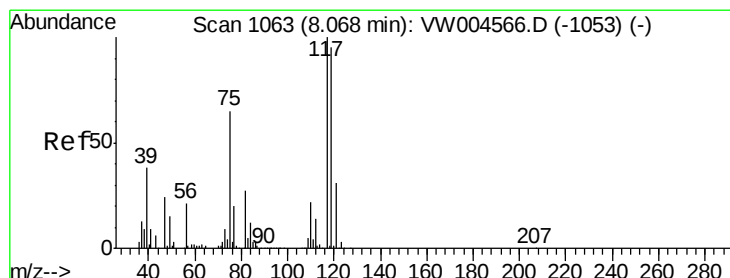
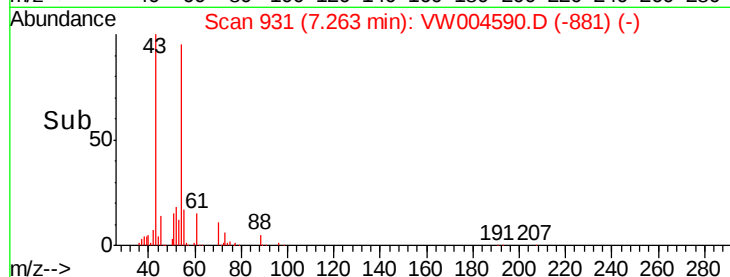
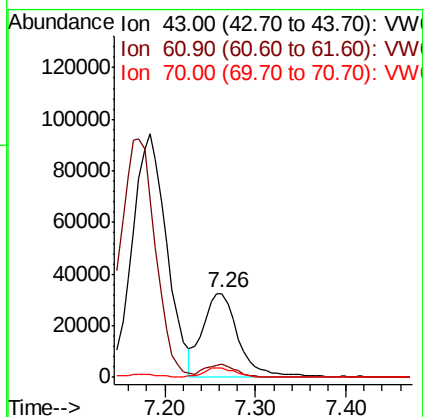
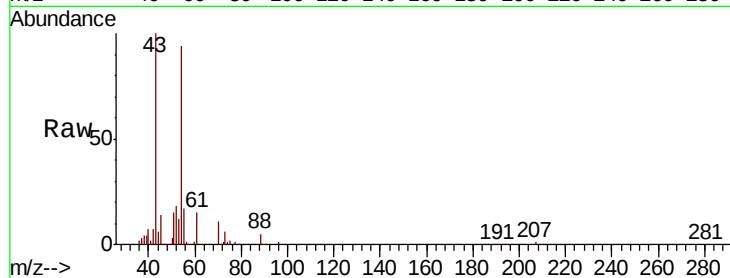




#37
 Ethyl Acetate
 Concen: 15.706 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

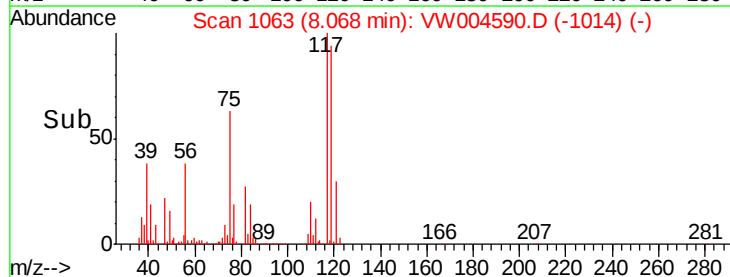
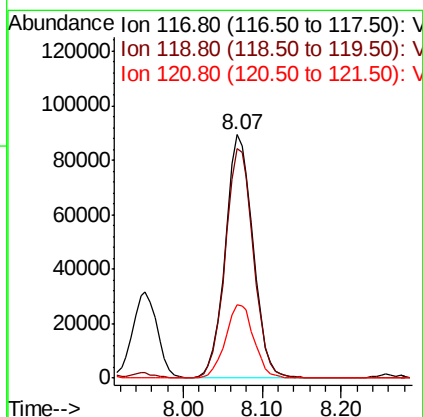
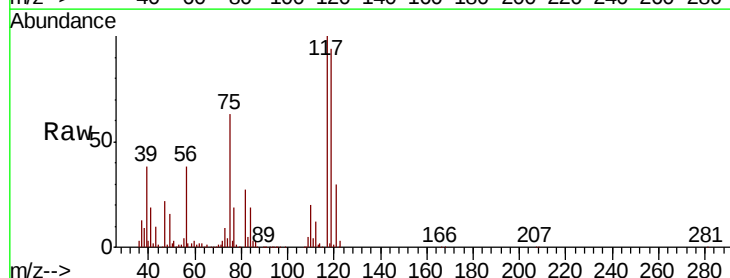
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

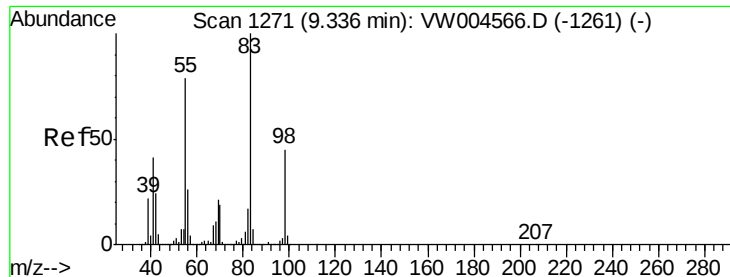
Tgt Ion: 43 Resp: 87624
 Ion Ratio Lower Upper
 43 100
 61 13.1 11.9 17.9
 70 10.8 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 20.373 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 117 Resp: 218376
 Ion Ratio Lower Upper
 117 100
 119 94.3 76.1 114.1
 121 30.2 24.2 36.4

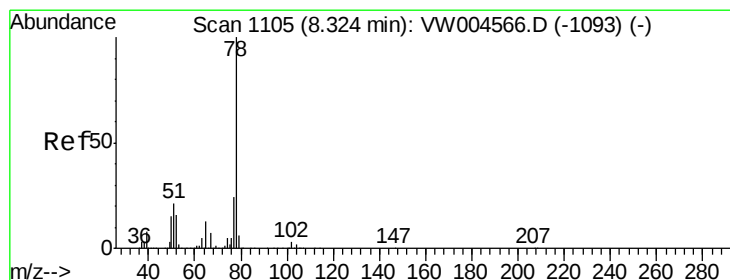
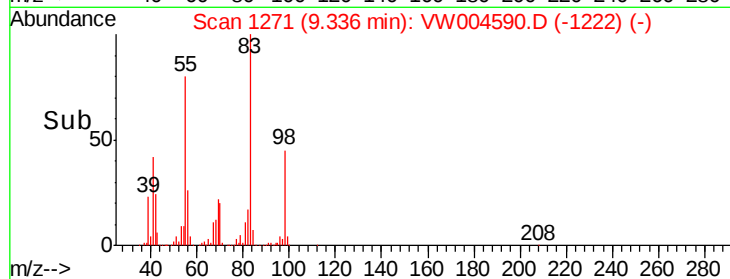
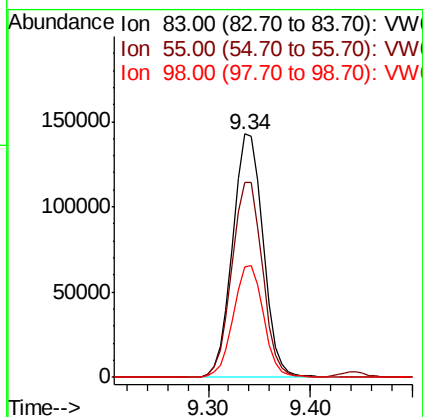
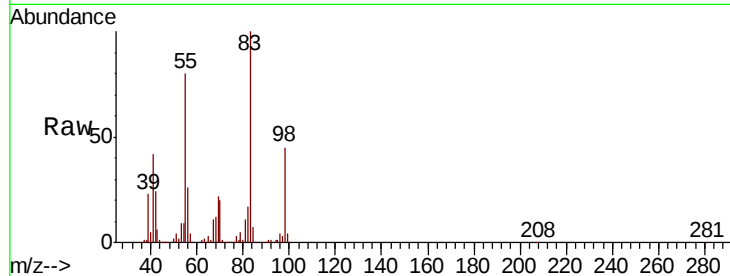




#39
Methylcyclohexane
Concen: 20.297 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

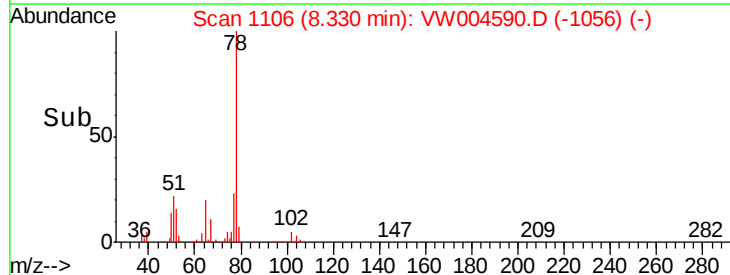
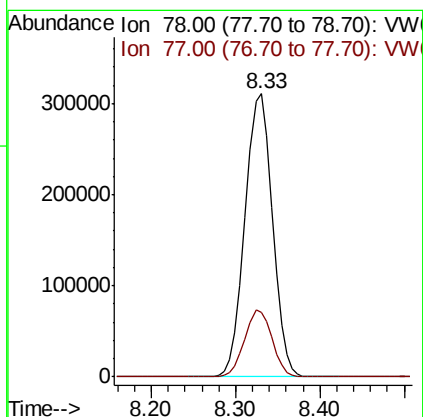
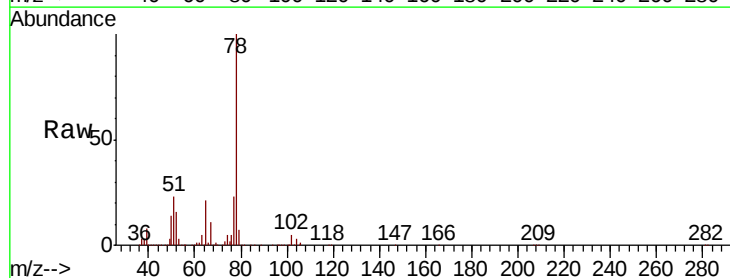
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

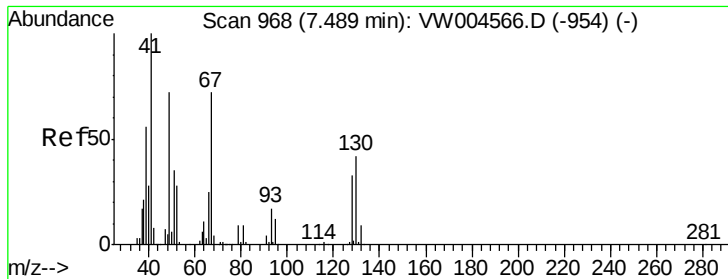
Tgt Ion: 83 Resp: 296352
Ion Ratio Lower Upper
83 100
55 79.7 62.5 93.7
98 45.3 35.4 53.2



#40
Benzene
Concen: 19.625 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion: 78 Resp: 686497
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.6

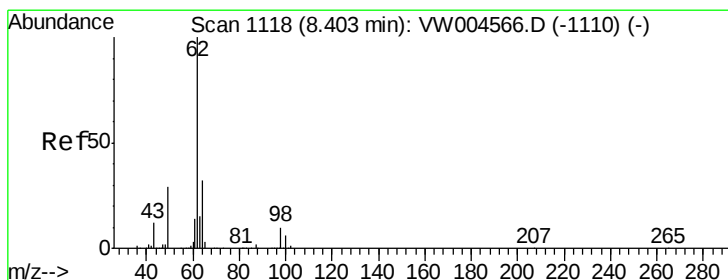
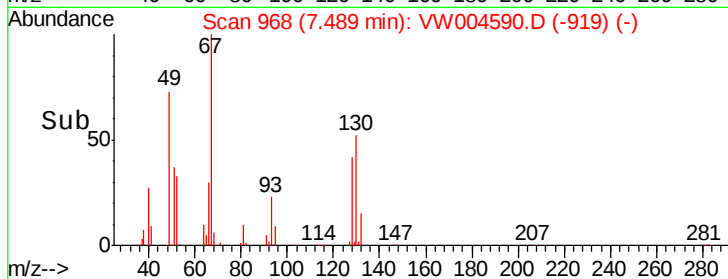
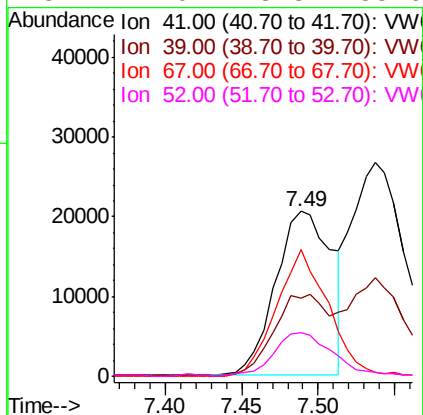
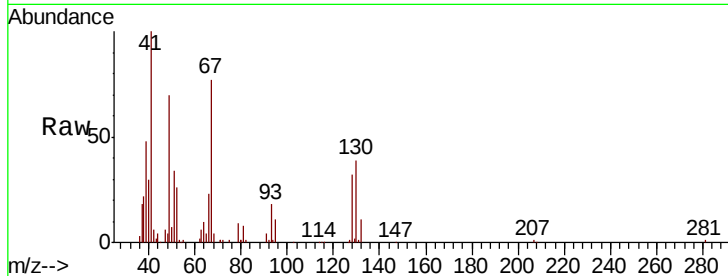




#41
Methacrylonitrile
Concen: 16.956 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

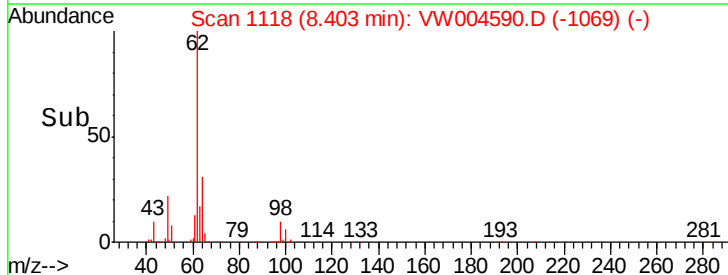
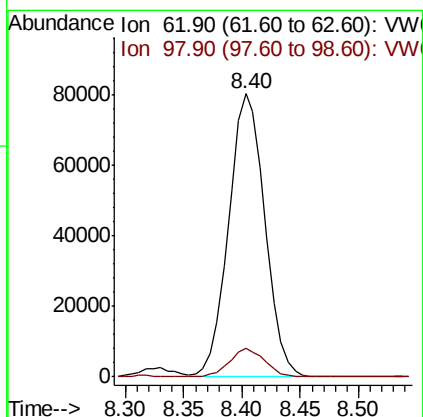
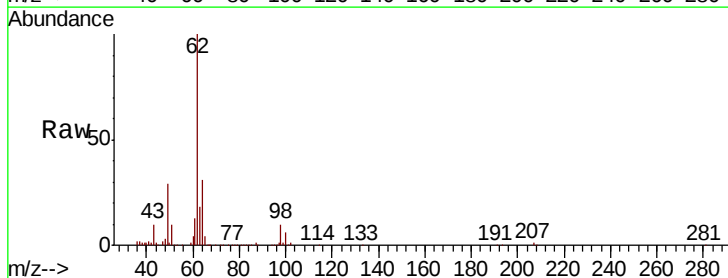
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

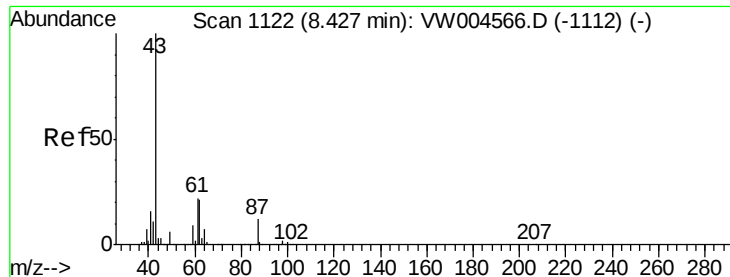
Tgt Ion:	41	Resp:	52834
Ion	Ratio	Lower	Upper
41	100		
39	45.4	46.2	69.2#
67	70.6	60.8	91.2
52	27.0	23.8	35.6



#42
1,2-Dichloroethane
Concen: 17.925 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion:	62	Resp:	173475
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 15.809 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

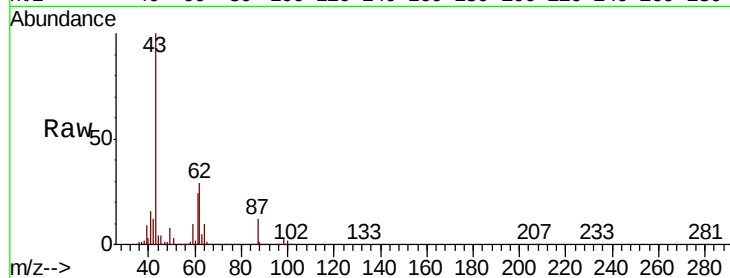
Tgt Ion: 43 Resp: 153740

Ion Ratio Lower Upper

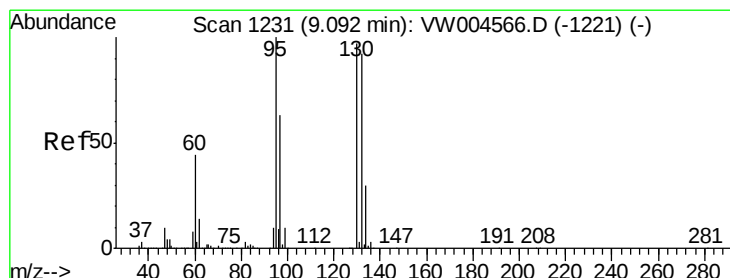
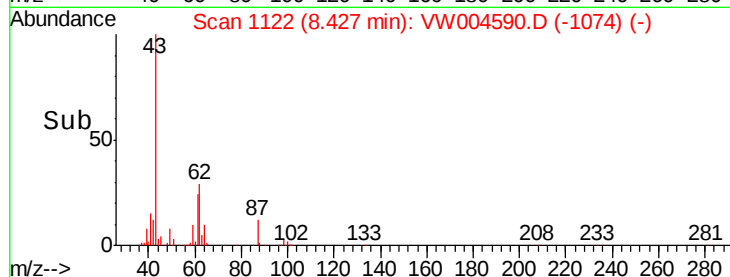
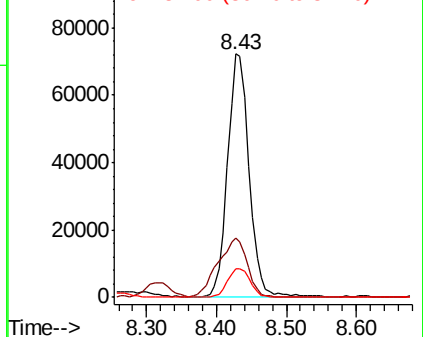
43 100

61 33.1 25.2 37.8

87 12.6 10.6 16.0



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: 19.518 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004590.D

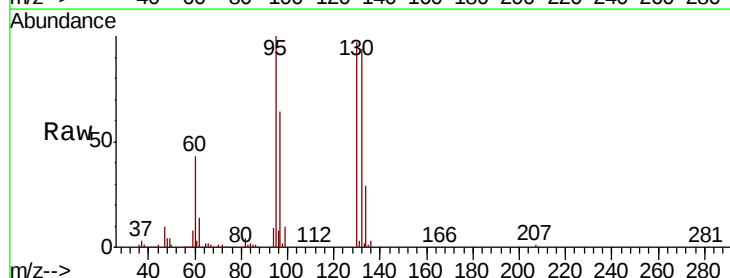
Acq: 10 Aug 2018 12:14

Tgt Ion: 130 Resp: 167772

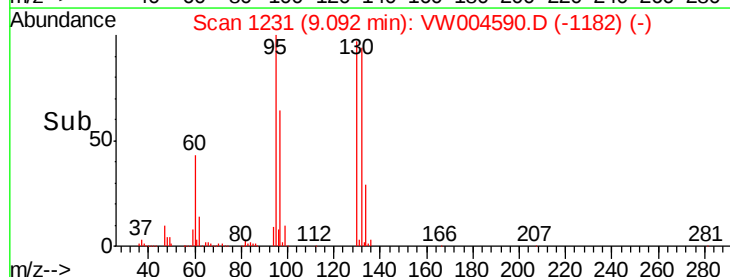
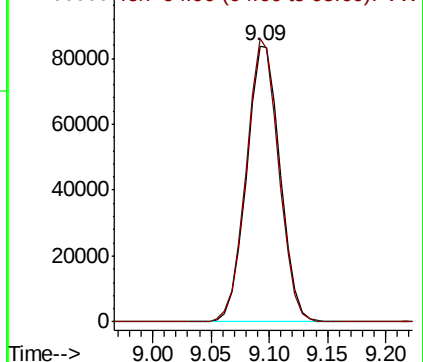
Ion Ratio Lower Upper

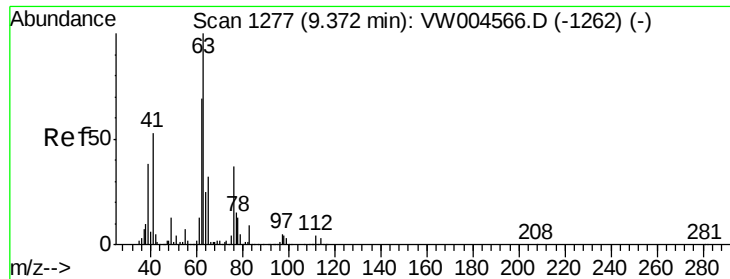
130 100

95 102.6 0.0 196.2



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

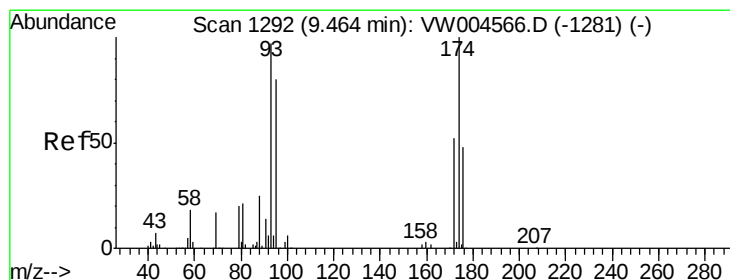
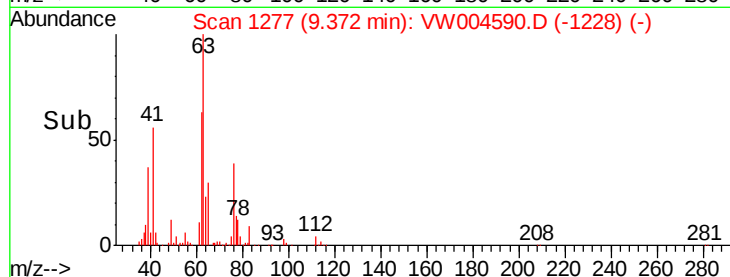
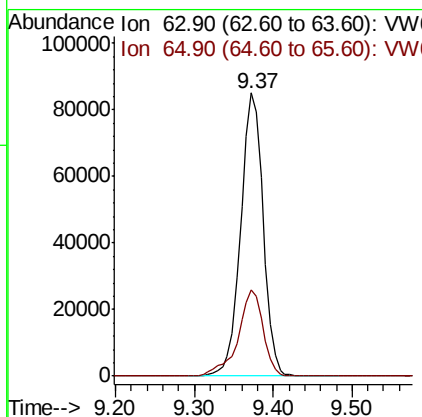
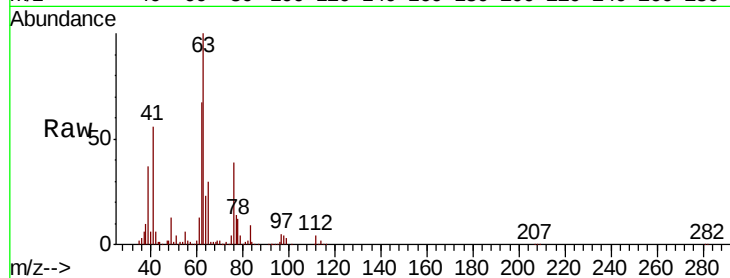




#45
 1,2-Dichloropropane
 Concen: 19.269 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

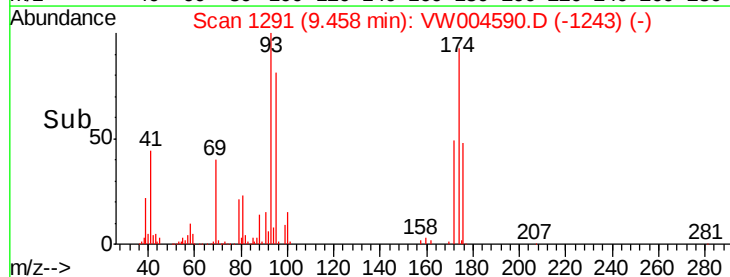
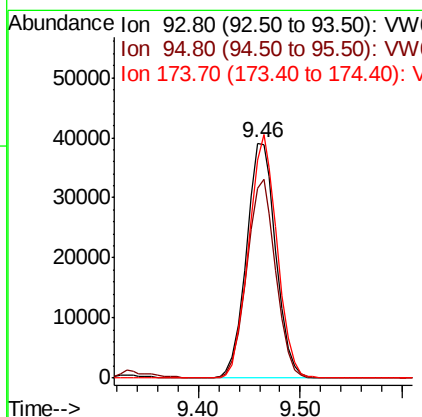
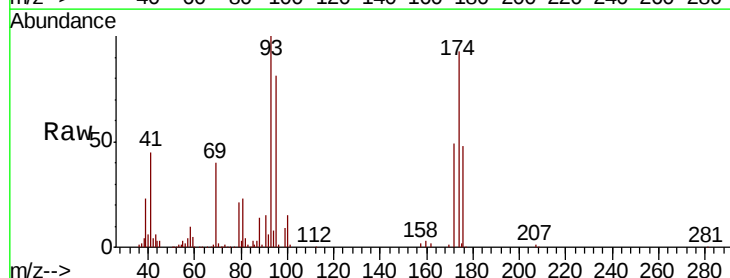
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

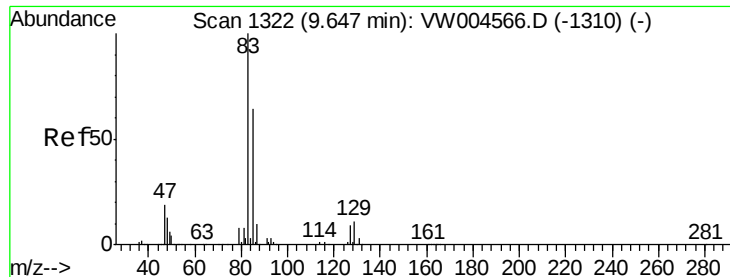
Tgt Ion: 63 Resp: 168800
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.5 36.7



#46
 Dibromomethane
 Concen: 17.581 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 93 Resp: 78402
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.4
 174 100.3 80.2 120.4





#47

Bromodichloromethane

Concen: 18.300 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD01

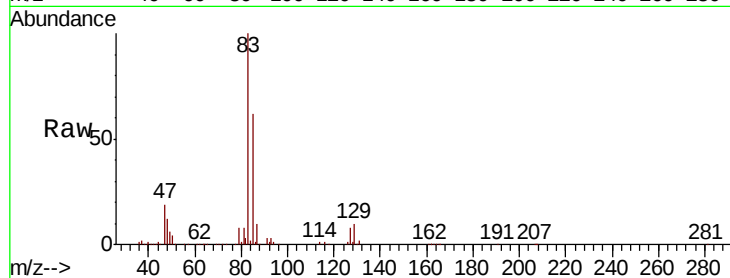
Tgt Ion: 83 Resp: 192634

Ion Ratio Lower Upper

83 100

85 61.8 50.7 76.1

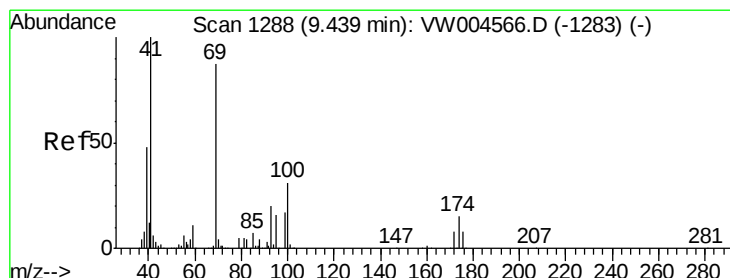
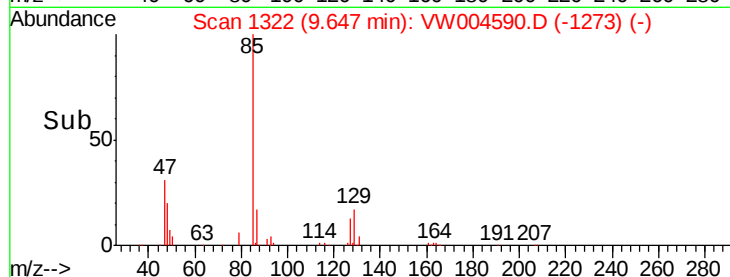
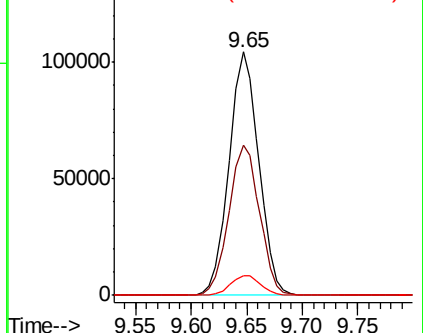
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 15.983 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

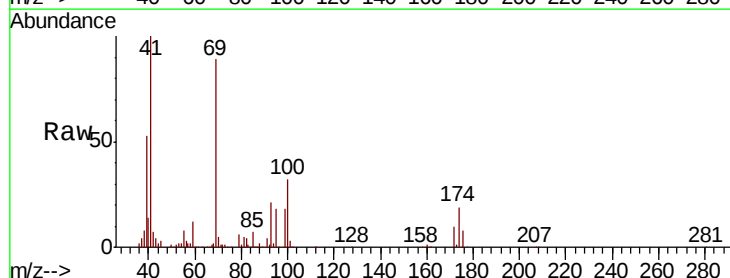
Tgt Ion: 41 Resp: 72644

Ion Ratio Lower Upper

41 100

69 91.7 73.2 109.8

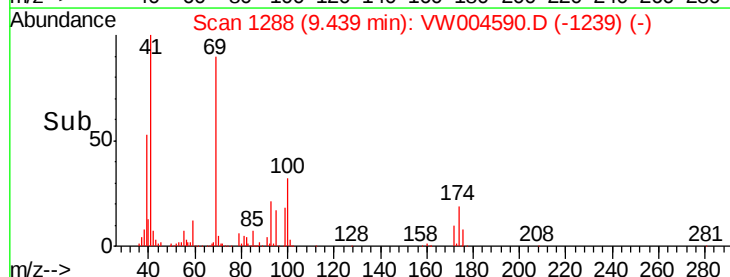
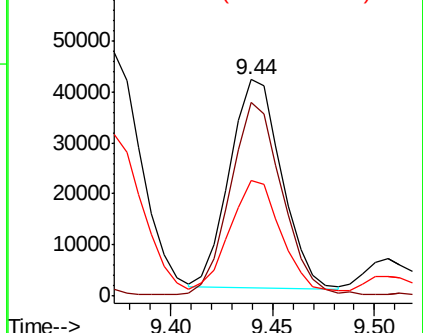
39 50.9 40.6 60.8

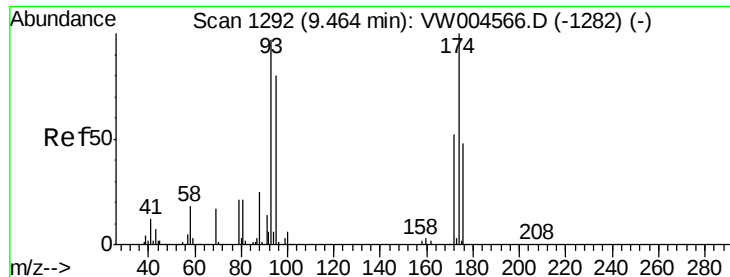


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 342.434 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813BSD01

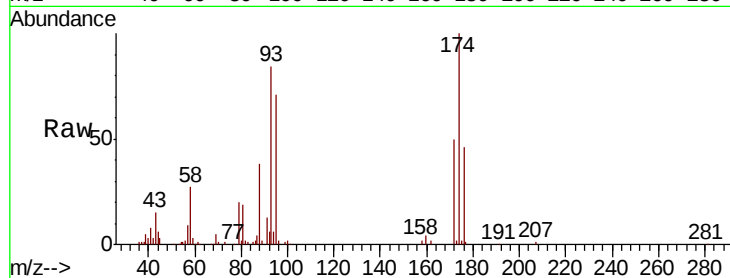
Tgt Ion: 88 Resp: 23298

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

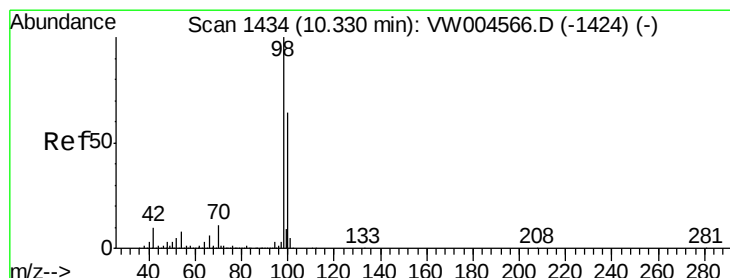
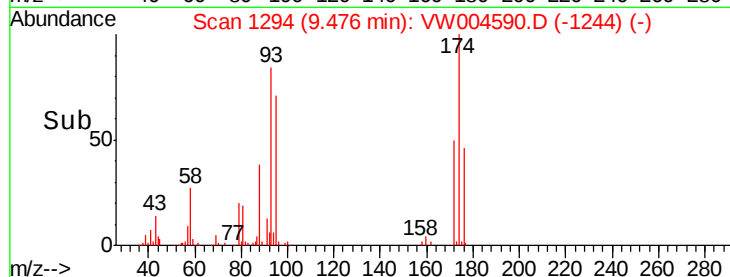
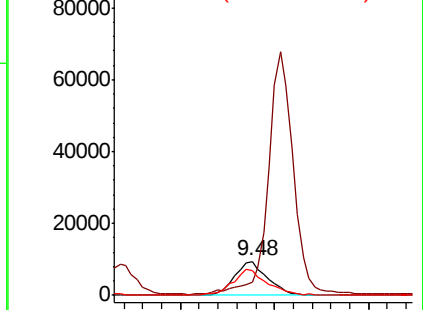
58 80.8 63.5 95.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.420 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004590.D

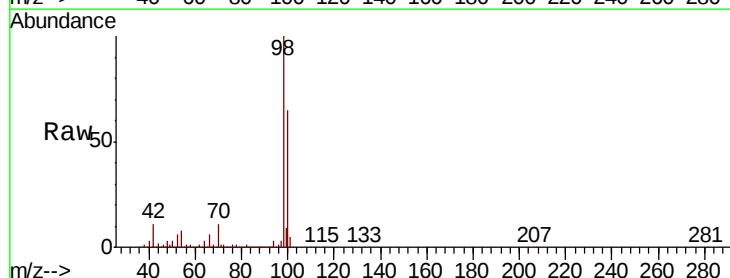
Acq: 10 Aug 2018 12:14

Tgt Ion: 98 Resp: 1446046

Ion Ratio Lower Upper

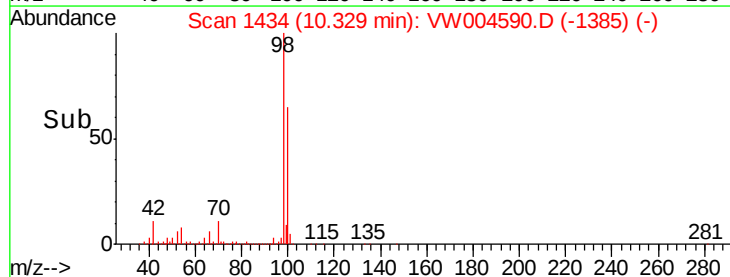
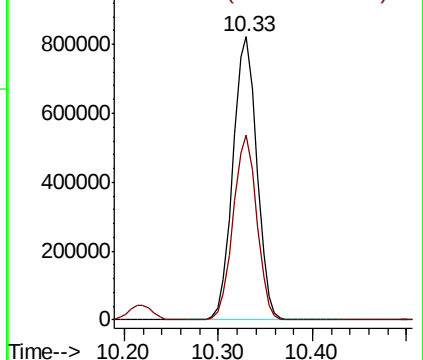
98 100

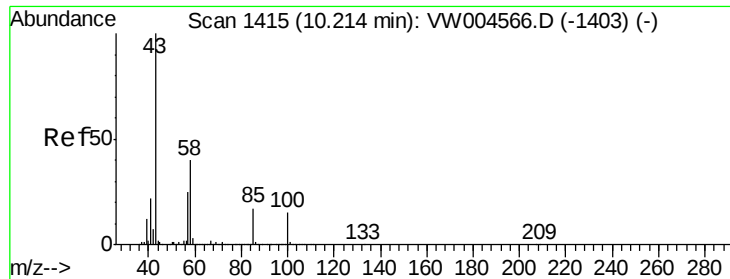
100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

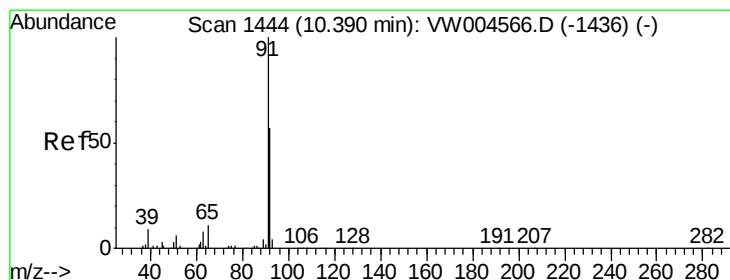
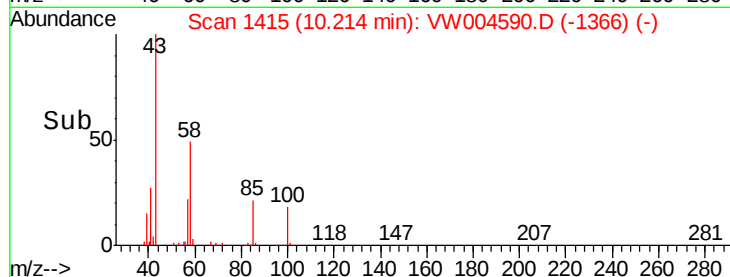
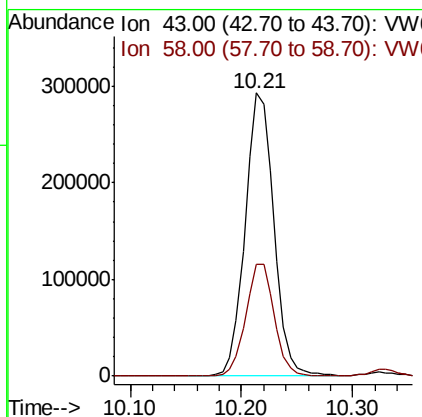
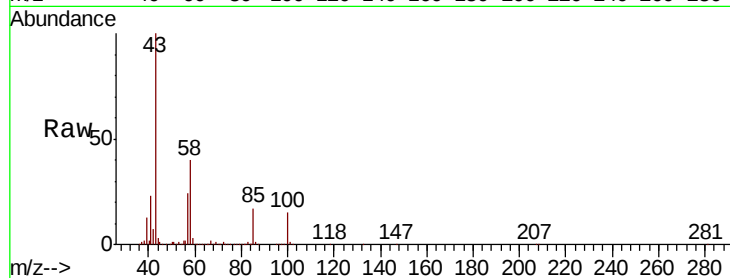




#51
 4-Methyl-2-Pentanone
 Concen: 77.315 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

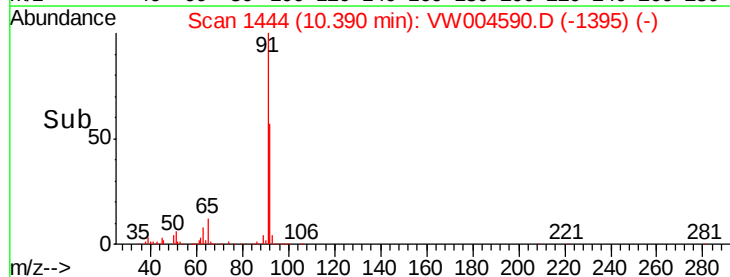
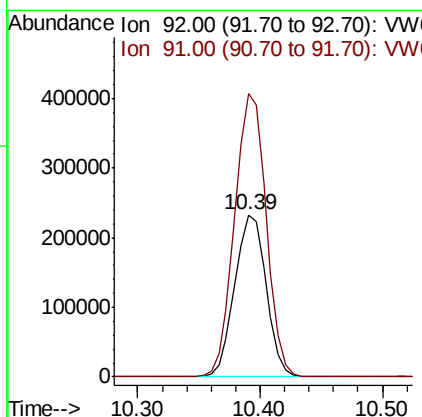
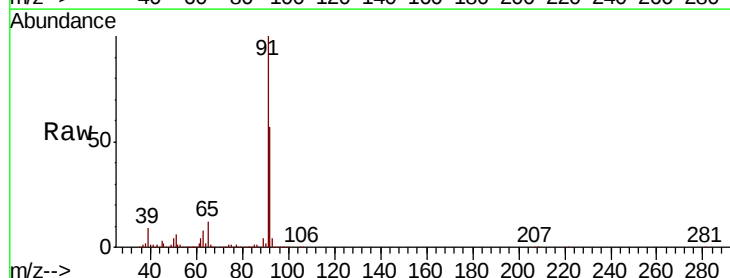
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

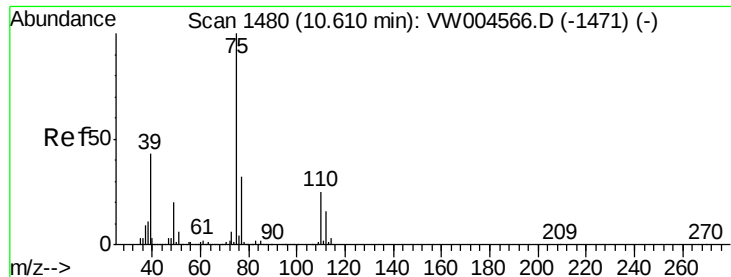
Tgt Ion: 43 Resp: 523349
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.9 47.9



#52
 Toluene
 Concen: 20.010 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 92 Resp: 412753
 Ion Ratio Lower Upper
 92 100
 91 176.3 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 17.956 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

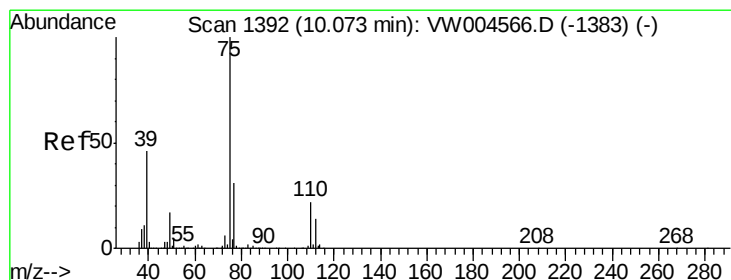
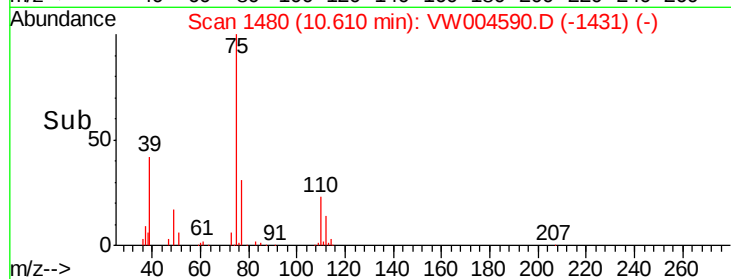
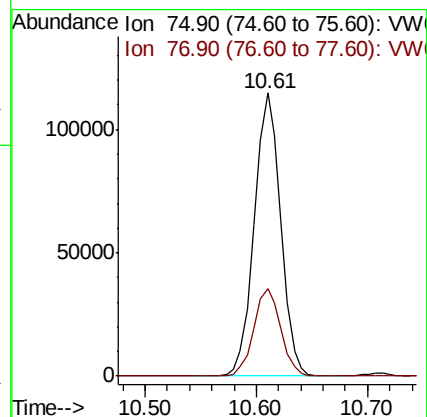
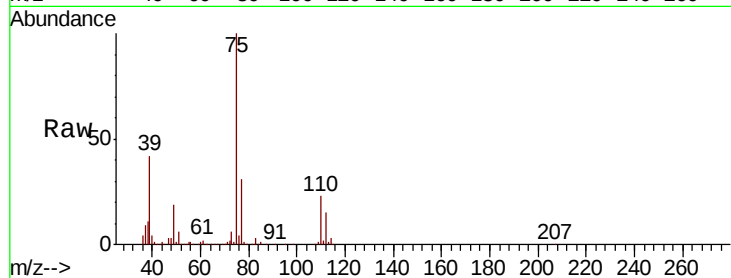
VW0813SBSD01

Tgt Ion: 75 Resp: 189786

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.619 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

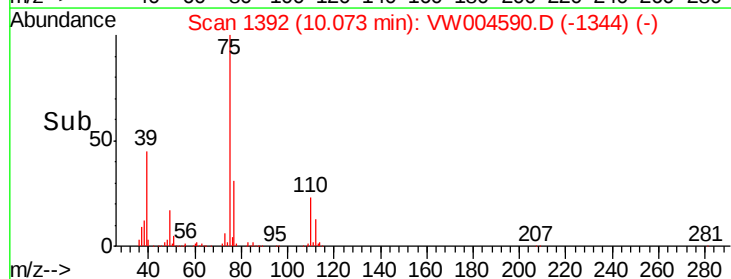
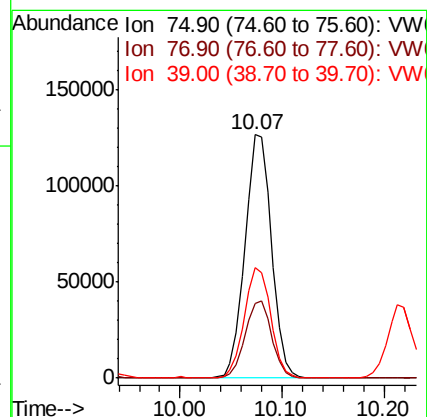
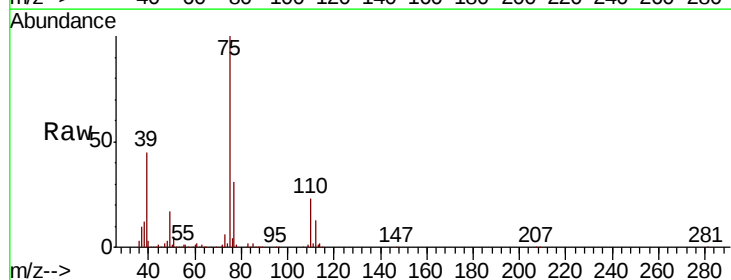
Tgt Ion: 75 Resp: 229354

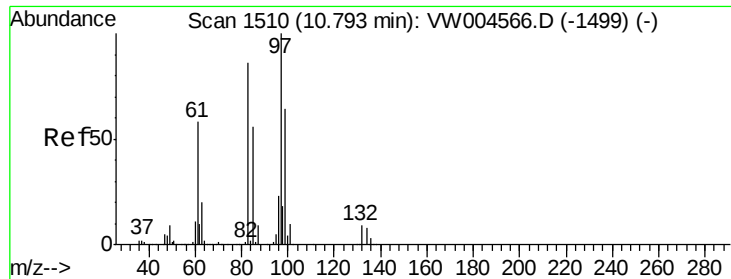
Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9

39 45.0 34.5 51.7

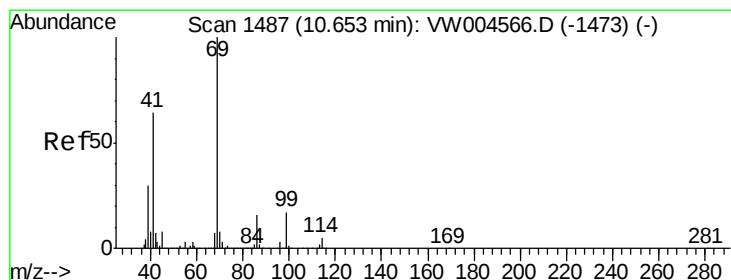
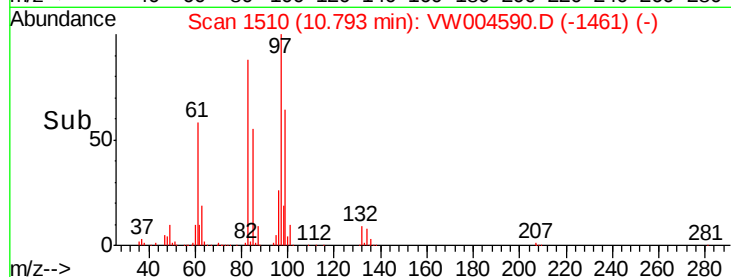
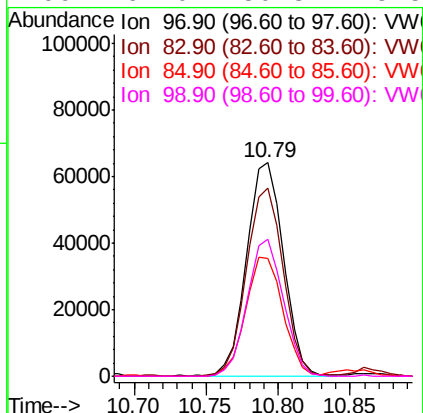
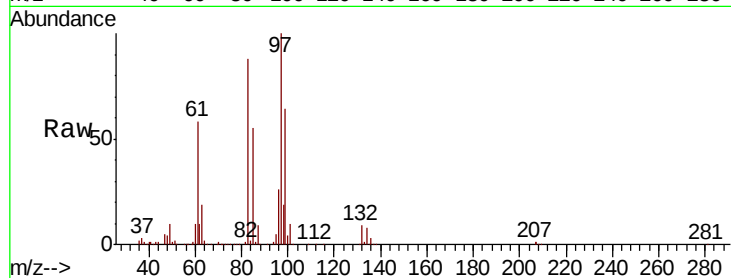




#55
 1,1,2-Trichloroethane
 Concen: 17.605 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

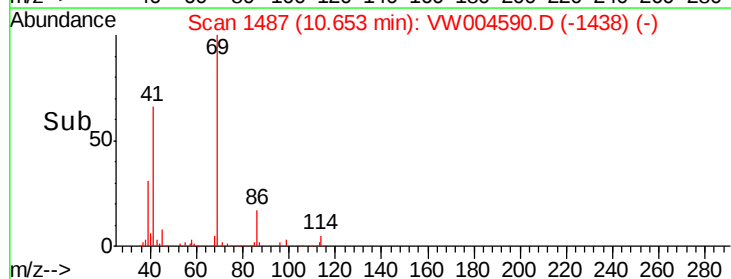
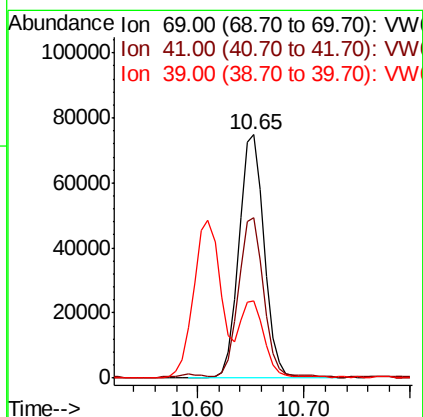
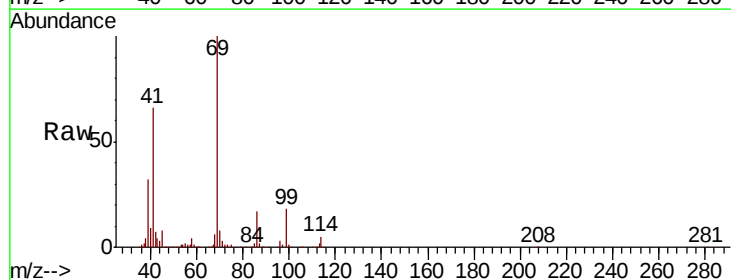
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

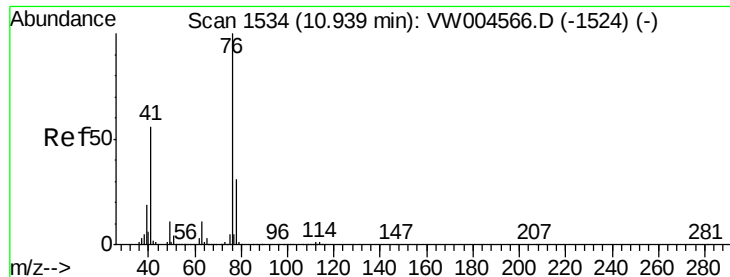
Tgt Ion:	97	Resp:	112528
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.8	104.8
85	55.6	45.1	67.7
99	64.0	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 16.305 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion:	69	Resp:	124779
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.4	78.6
39	28.2	22.7	34.1

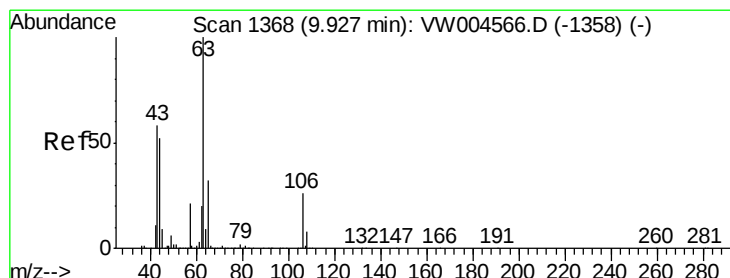
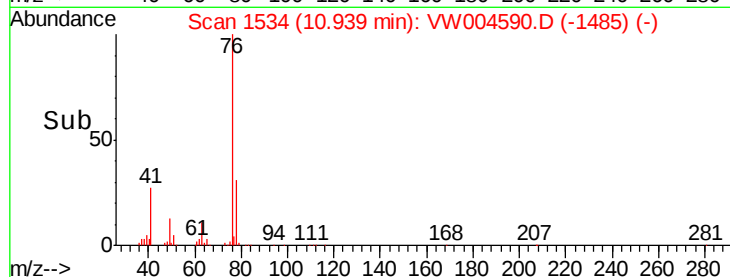
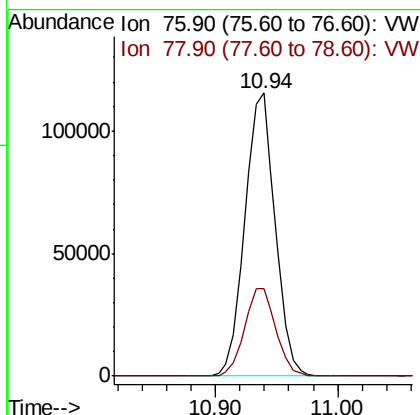
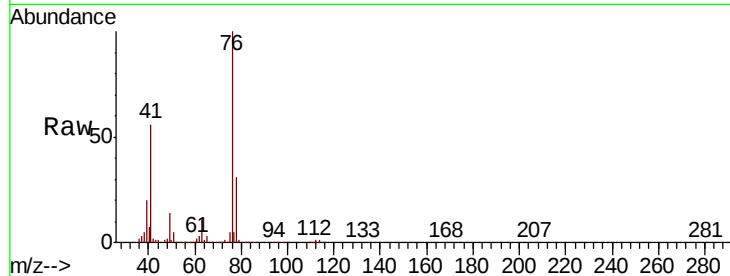




#57
 1,3-Dichloropropane
 Concen: 18.014 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

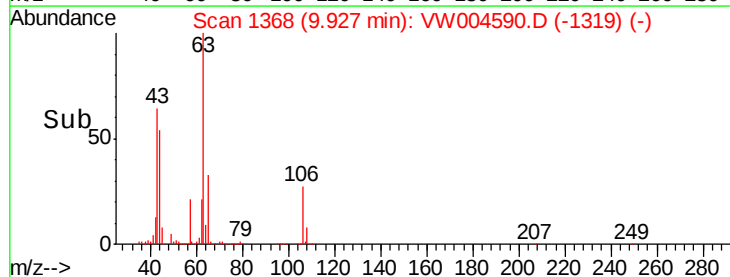
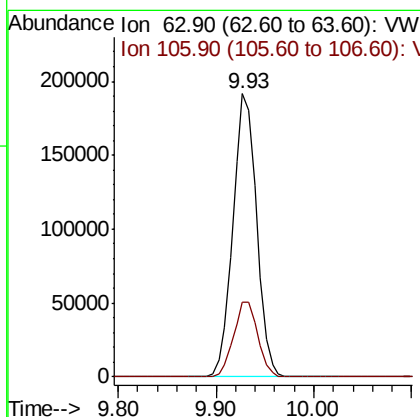
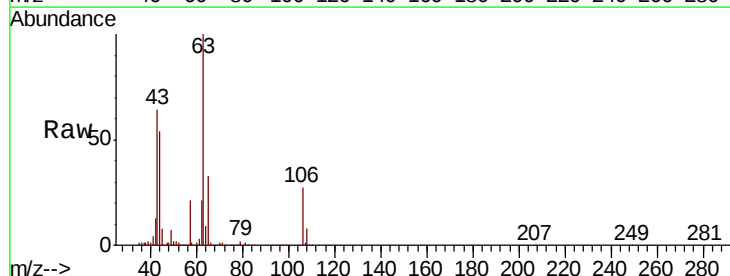
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

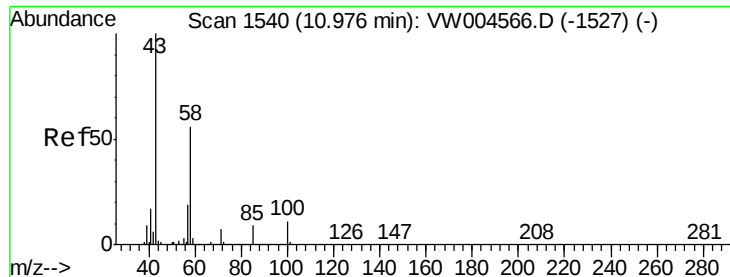
Tgt Ion: 76 Resp: 198459
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.532 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 63 Resp: 322805
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.3 31.9

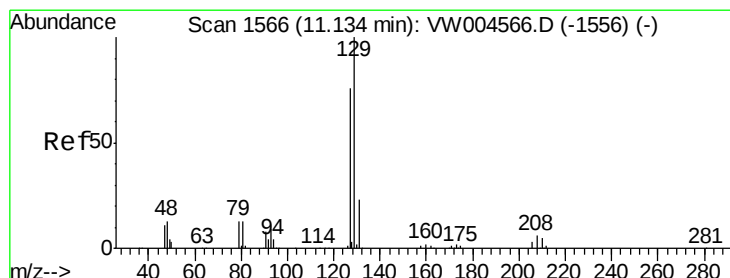
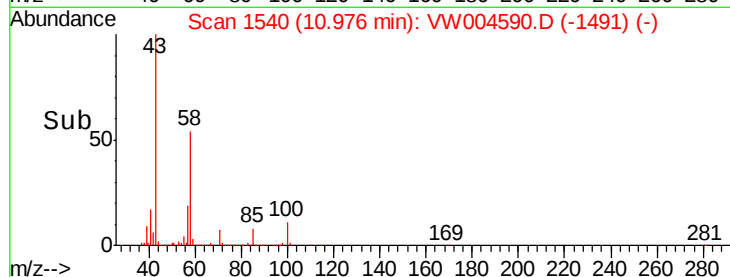
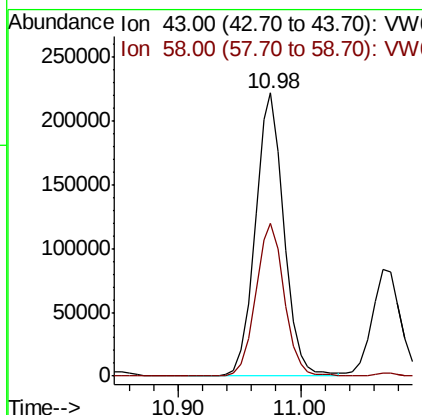
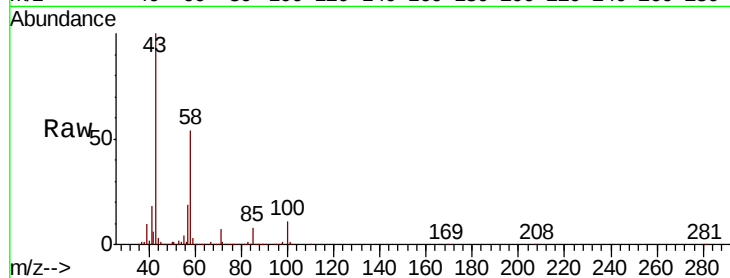




#59
2-Hexanone
Concen: 78.416 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

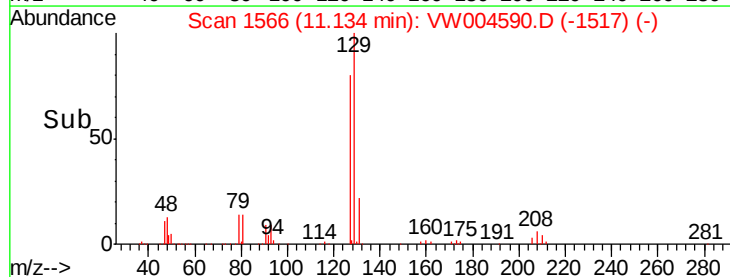
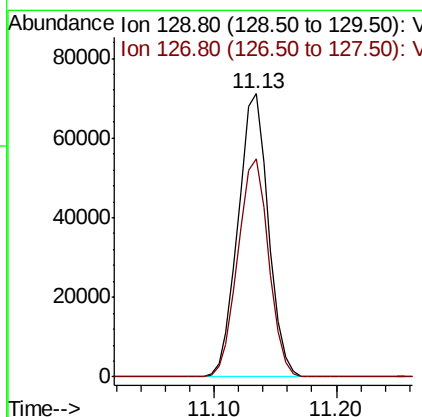
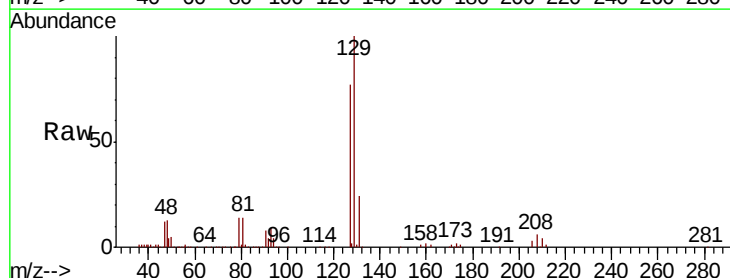
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

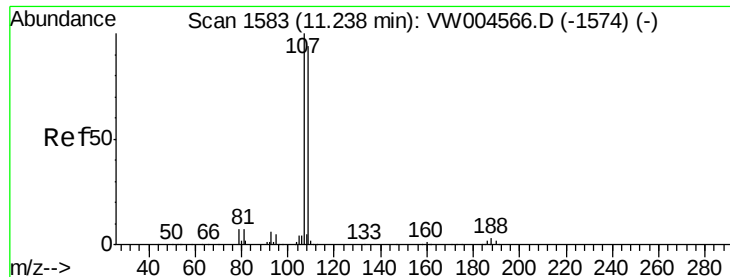
Tgt Ion: 43 Resp: 359888
Ion Ratio Lower Upper
43 100
58 54.0 27.9 83.6



#60
Dibromochloromethane
Concen: 17.613 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion: 129 Resp: 122446
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

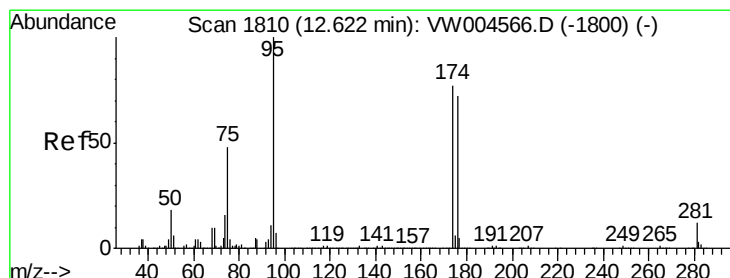
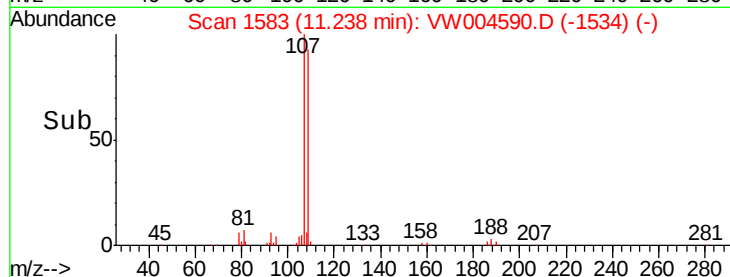
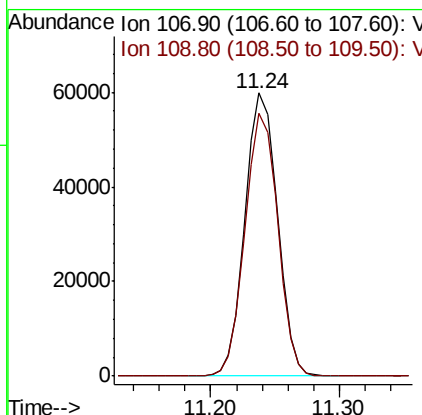
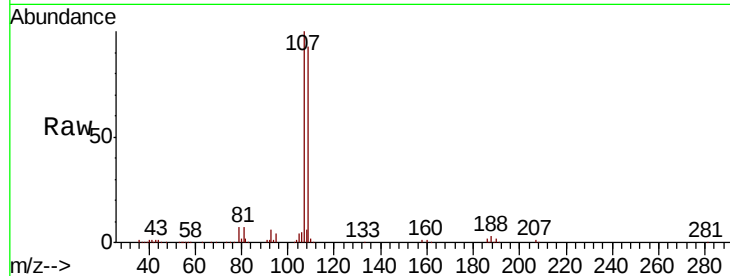




#61
 1,2-Dibromoethane
 Concen: 17.422 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

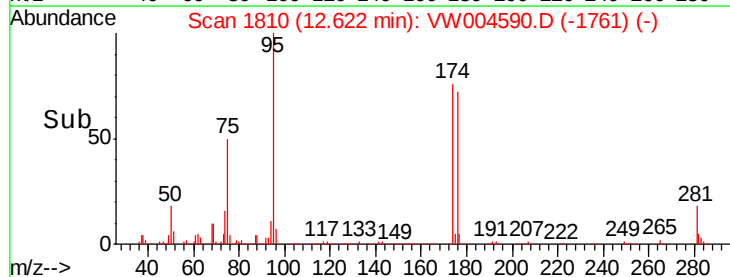
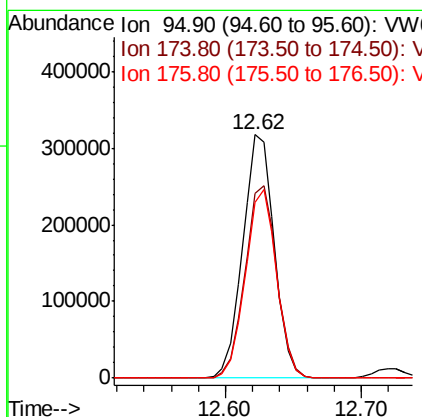
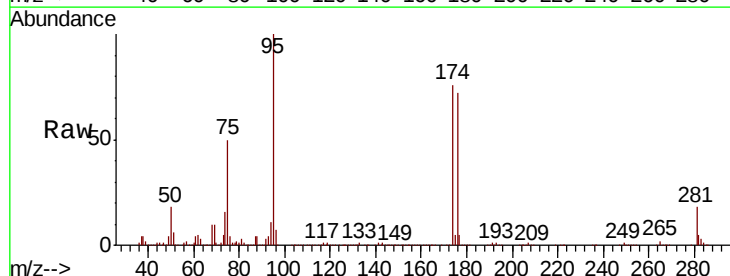
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

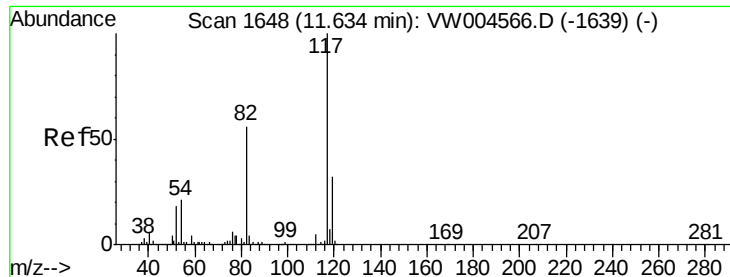
Tgt Ion: 107 Resp: 104621
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.556 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion: 95 Resp: 512139
 Ion Ratio Lower Upper
 95 100
 174 80.0 0.0 160.4
 176 77.0 0.0 153.2

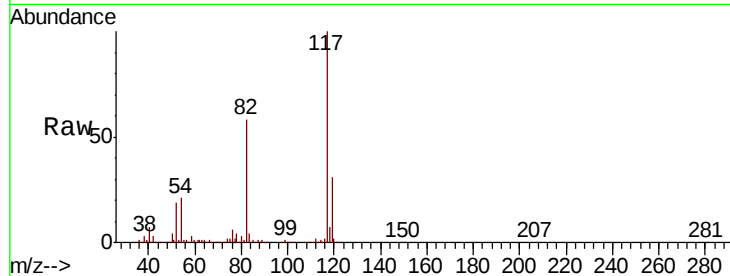




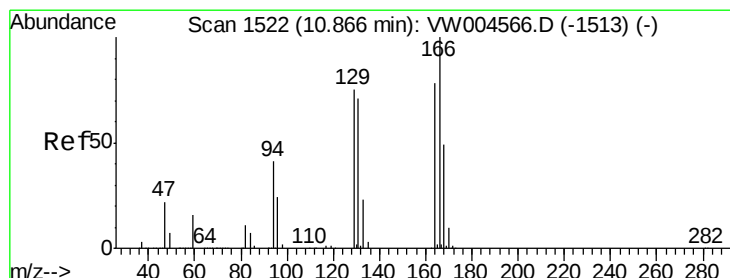
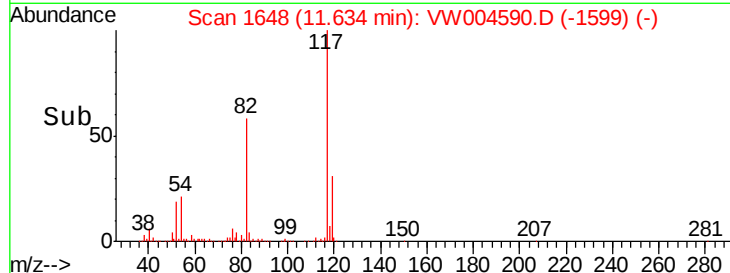
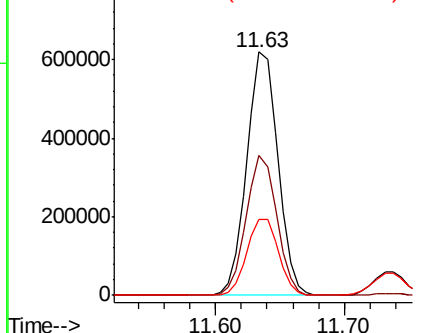
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

Tgt Ion:117 Resp: 1031369
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 31.3 26.2 39.4

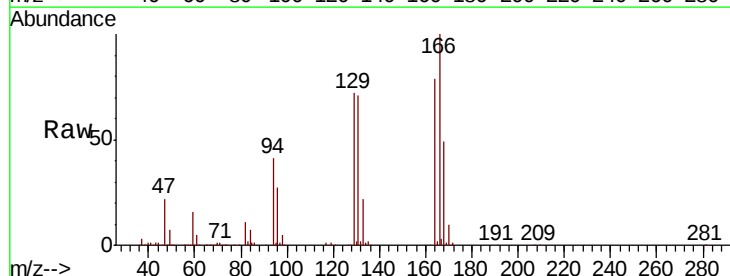


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

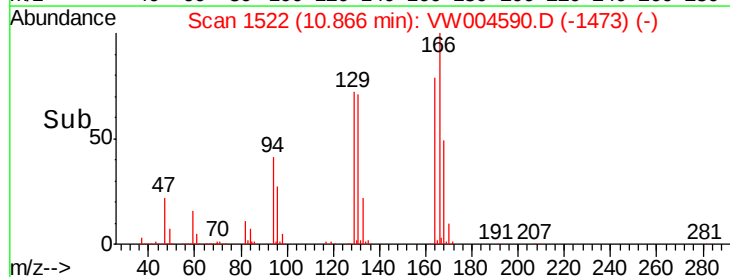
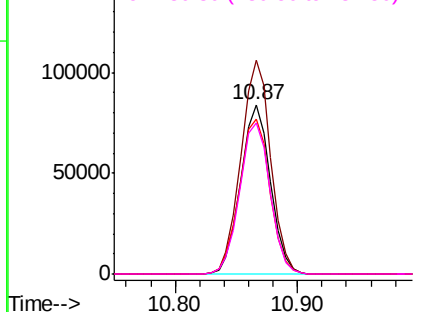


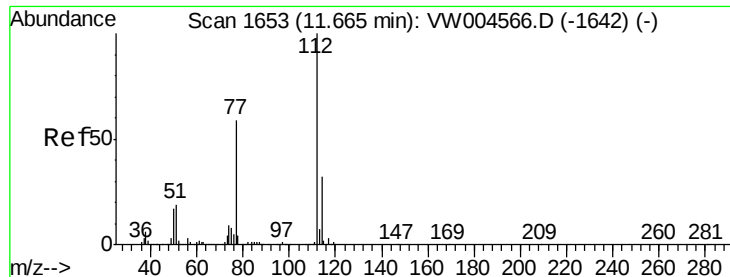
#64
Tetrachloroethene
Concen: 19.686 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion:164 Resp: 141638
Ion Ratio Lower Upper
164 100
166 126.2 98.4 147.6
129 91.4 73.6 110.4
131 89.5 73.1 109.7



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

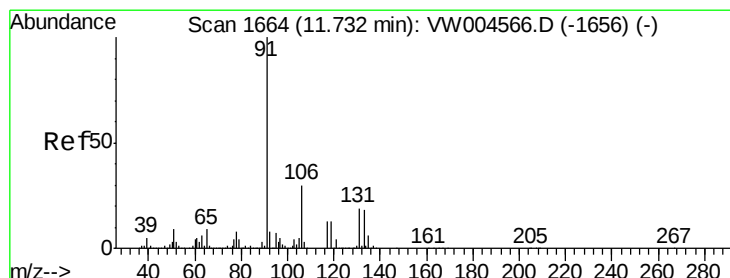
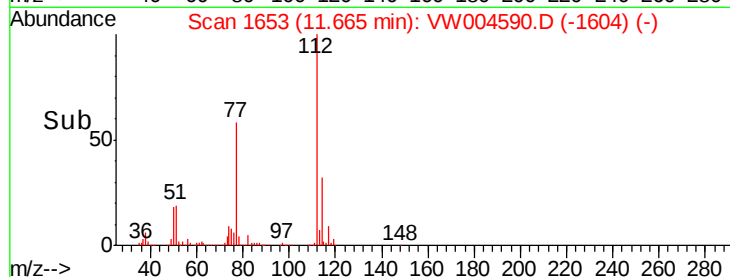
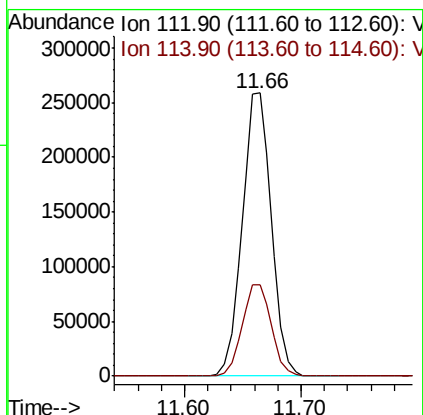
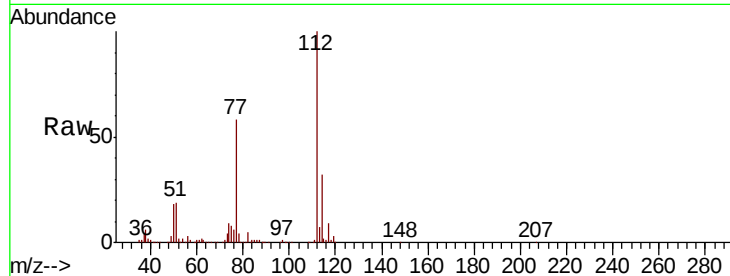




#65
Chlorobenzene
Concen: 19.751 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

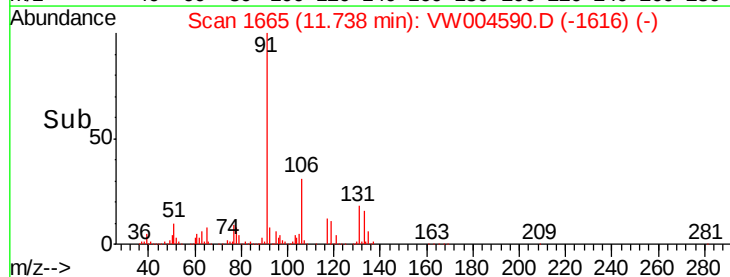
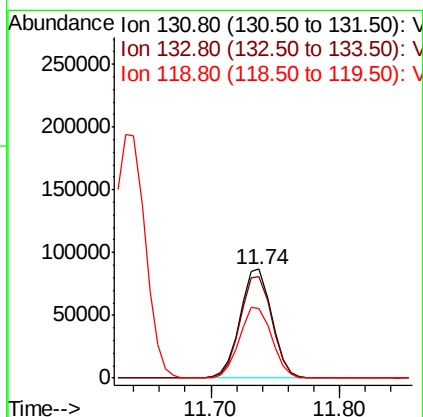
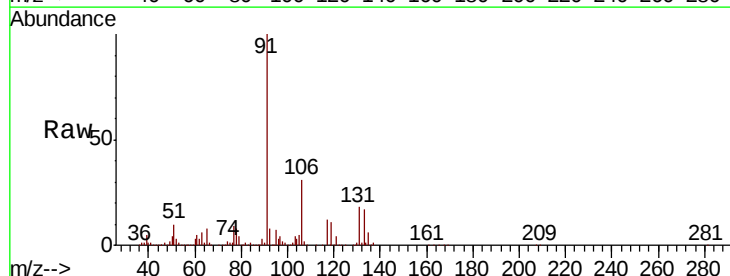
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

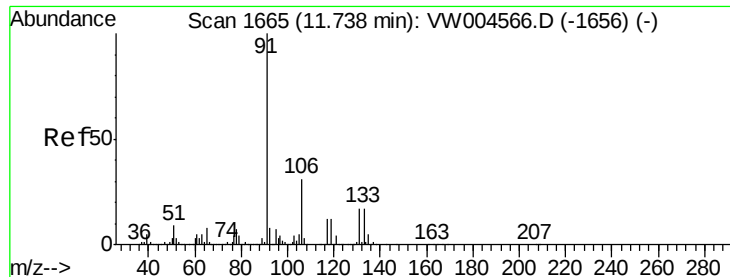
Tgt Ion:112 Resp: 448934
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.182 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion:131 Resp: 148436
Ion Ratio Lower Upper
131 100
133 94.2 48.1 144.4
119 66.2 33.9 101.7

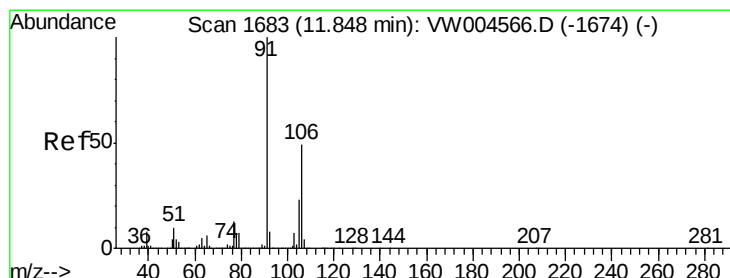
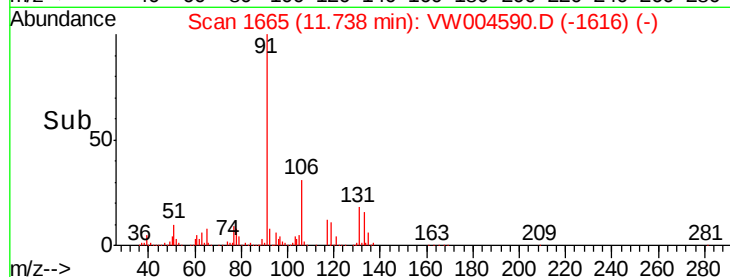
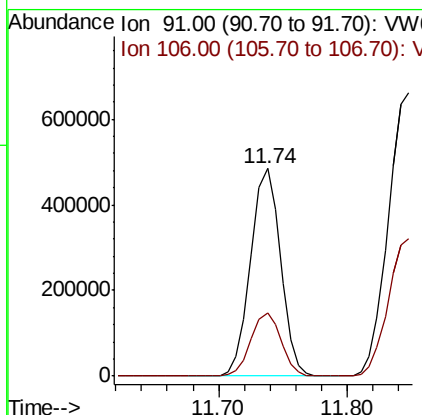
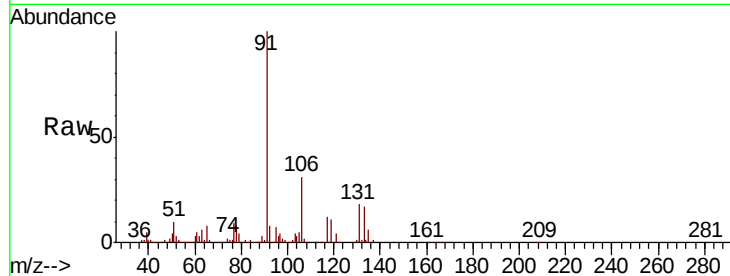




#67
Ethyl Benzene
Concen: 20.190 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

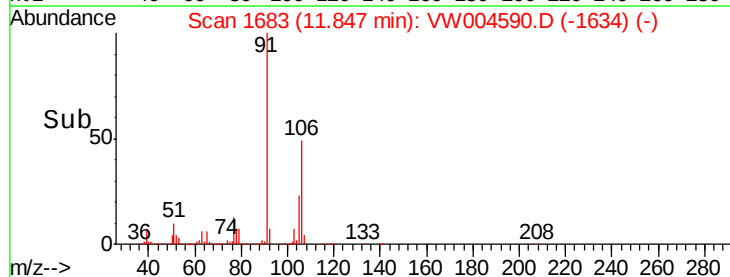
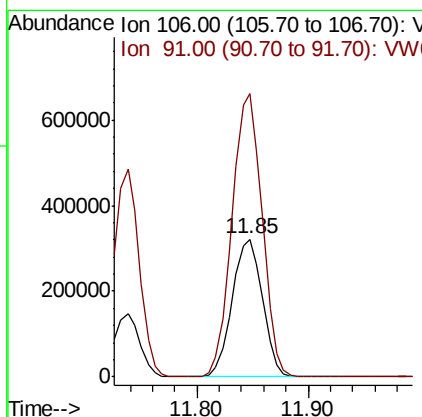
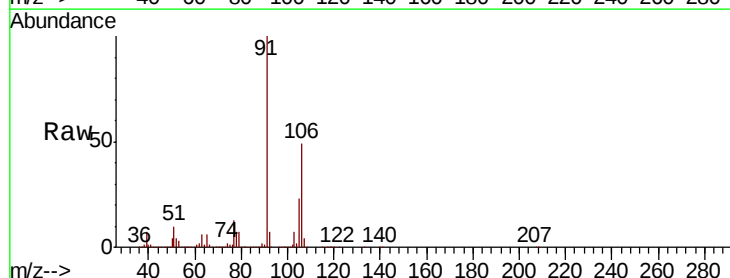
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

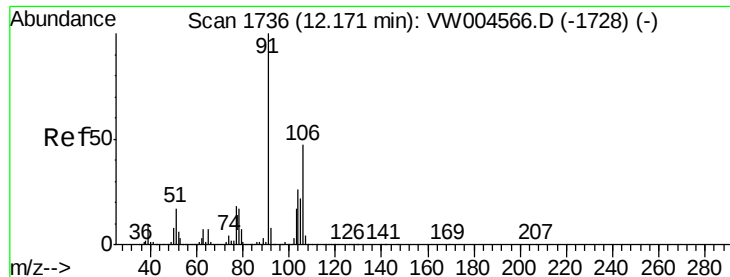
Tgt Ion: 91 Resp: 777960
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2



#68
m/p-Xylenes
Concen: 40.687 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion: 106 Resp: 605867
Ion Ratio Lower Upper
106 100
91 204.0 162.8 244.2

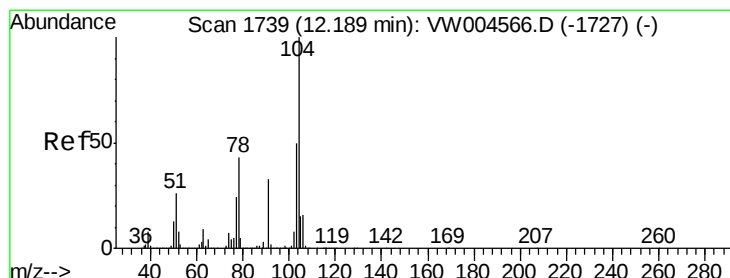
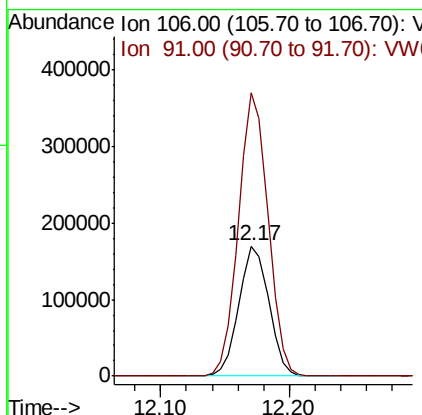
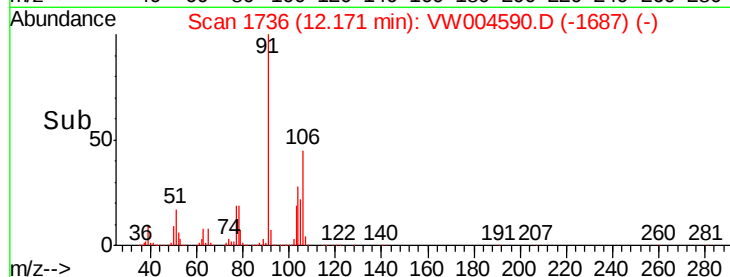
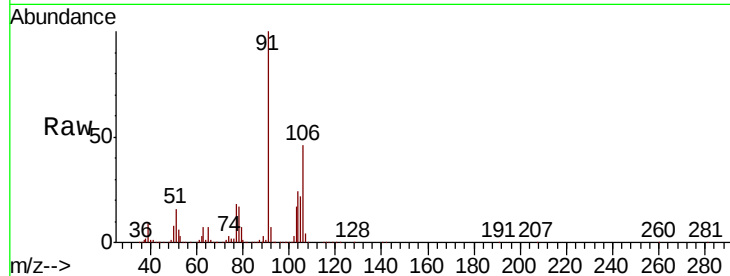




#69
o-Xylene
Concen: 19.787 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

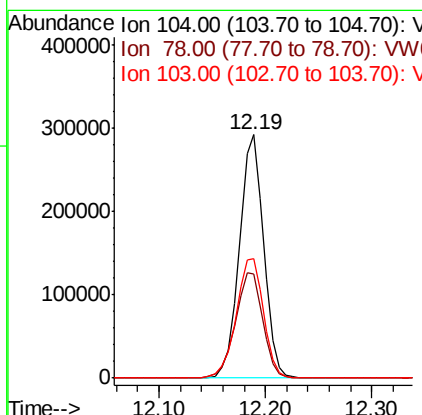
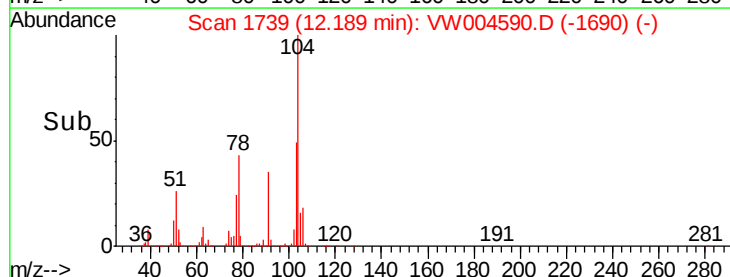
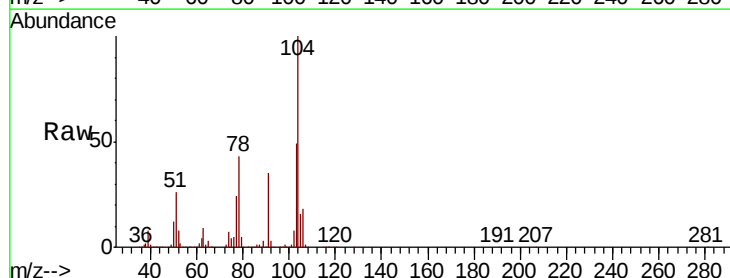
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

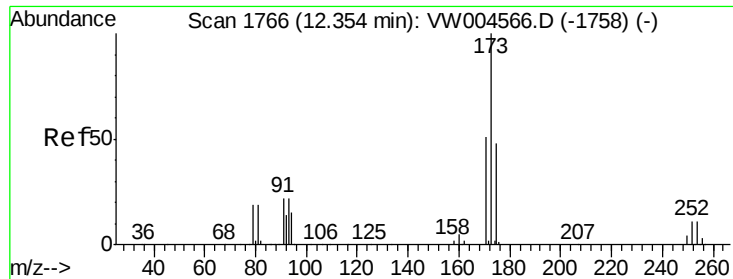
Tgt Ion:106 Resp: 273248
Ion Ratio Lower Upper
106 100
91 215.0 106.7 320.2



#70
Styrene
Concen: 20.003 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion:104 Resp: 466733
Ion Ratio Lower Upper
104 100
78 49.0 39.0 58.4
103 55.2 44.2 66.2

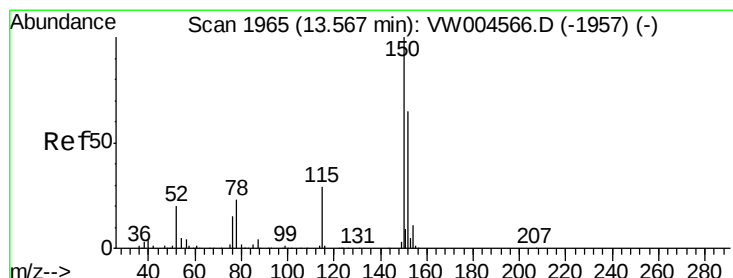
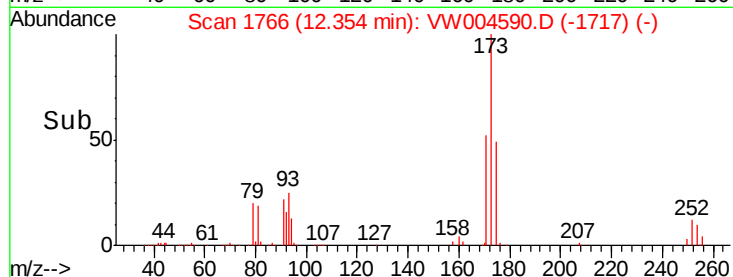
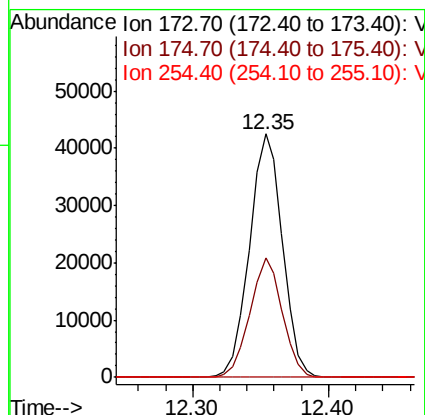
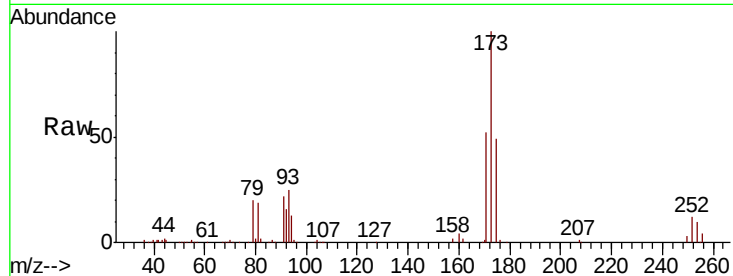




#71
Bromoform
Concen: 16.939 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

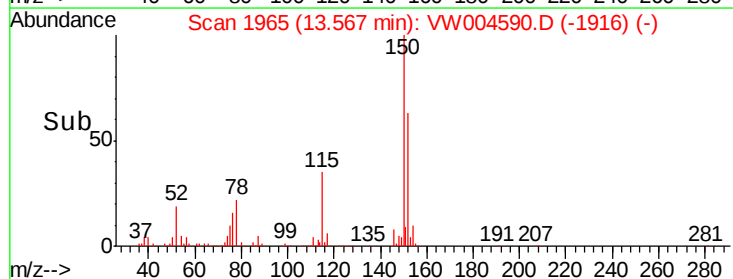
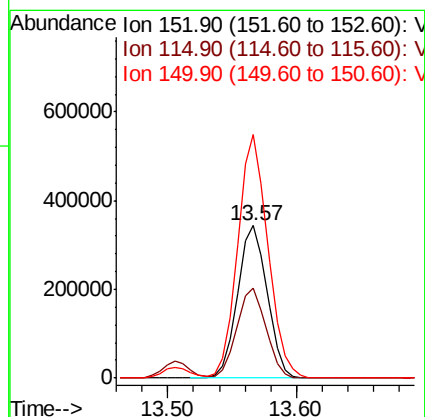
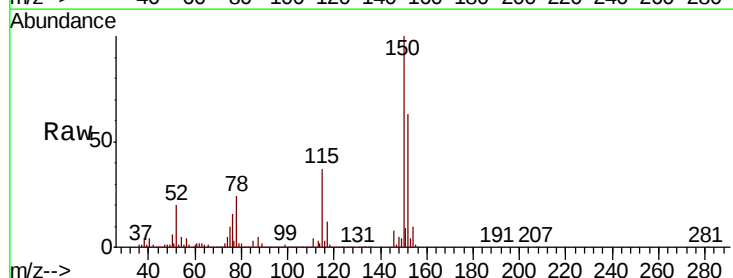
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

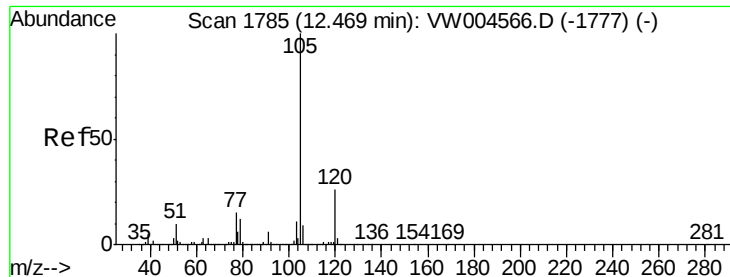
Tgt Ion:173 Resp: 72056
Ion Ratio Lower Upper
173 100
175 48.1 24.5 73.5
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion:152 Resp: 547693
Ion Ratio Lower Upper
152 100
115 58.7 29.1 87.3
150 162.7 0.0 349.6





#73

Isopropylbenzene

Concen: 20.544 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

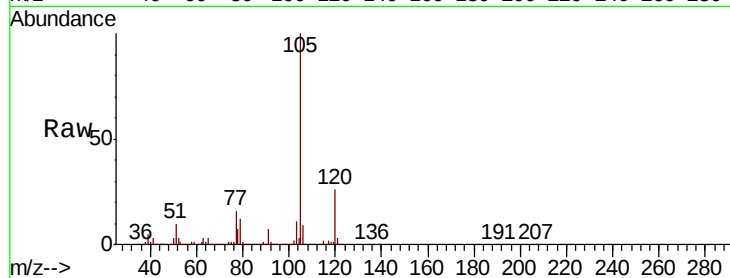
VW0813SBSD01

Tgt Ion: 105 Resp: 778289

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

500000

400000

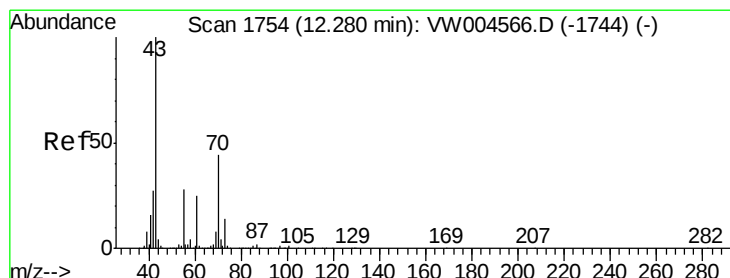
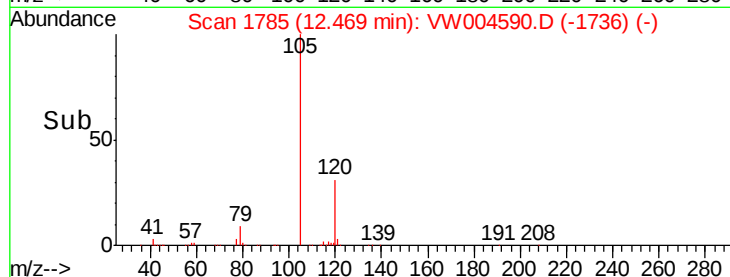
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 15.644 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Tgt Ion: 43 Resp: 143711

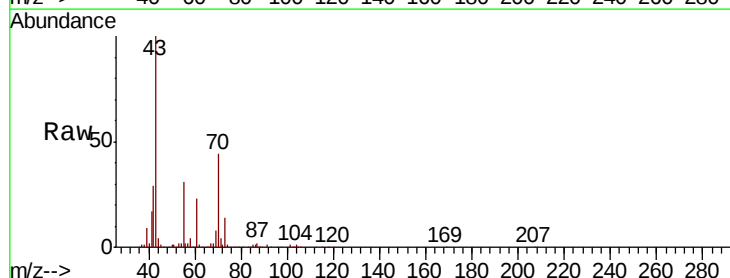
Ion Ratio Lower Upper

43 100

70 44.8 35.3 52.9

55 31.8 22.9 34.3

61 23.9 19.7 29.5



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

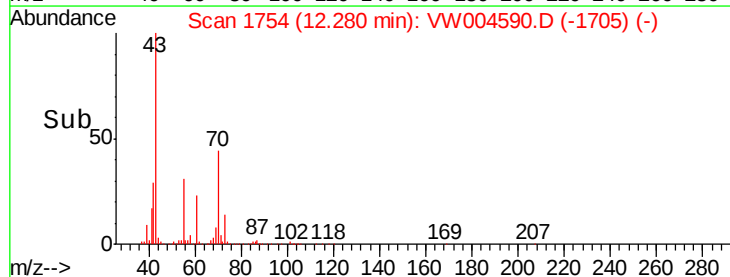
150000

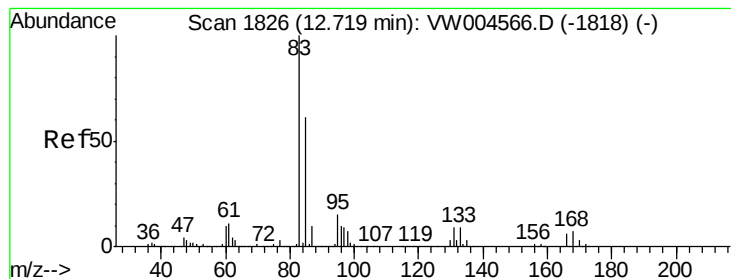
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 16.962 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD01

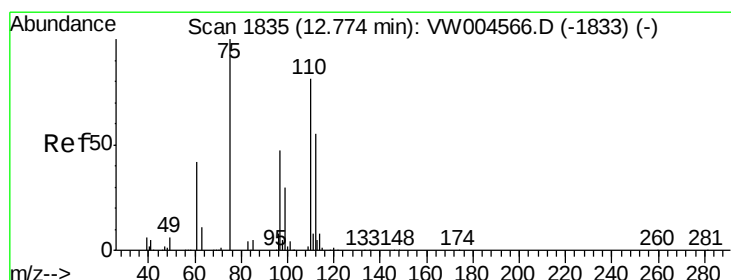
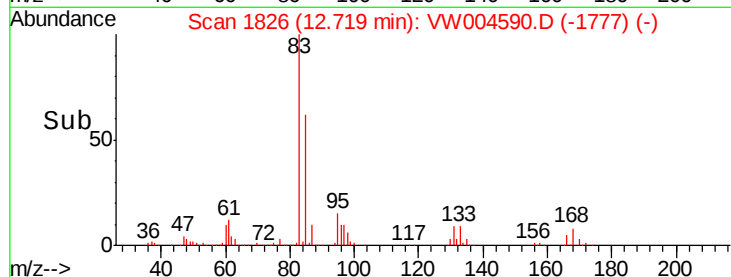
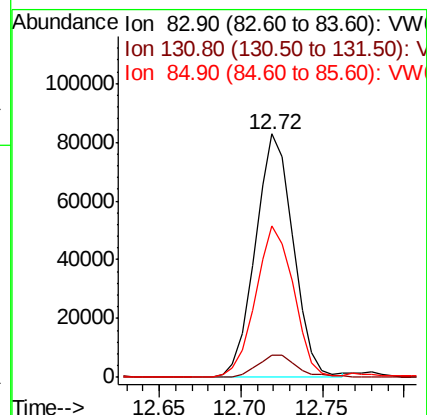
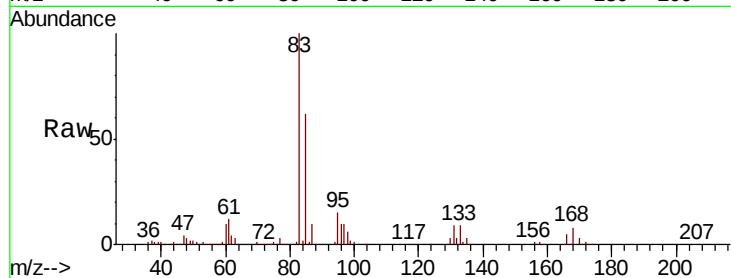
Tgt Ion: 83 Resp: 134140

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

85 62.5 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 30.240 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004590.D

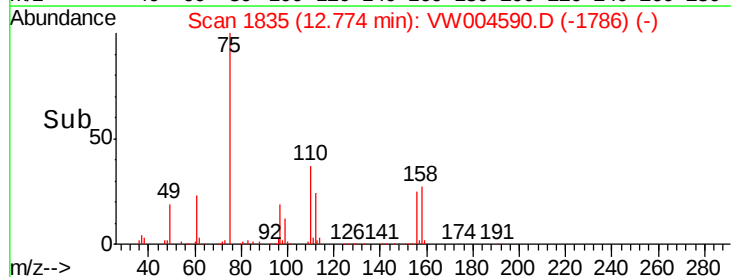
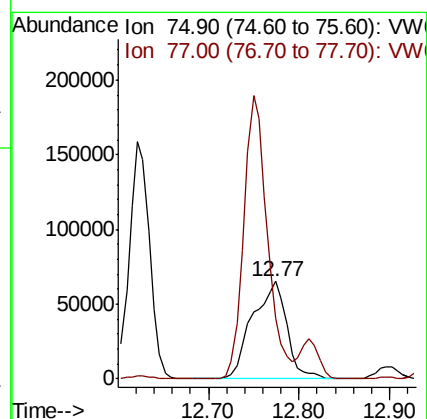
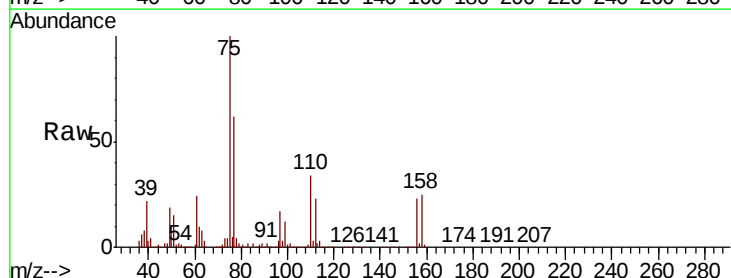
Acq: 10 Aug 2018 12:14

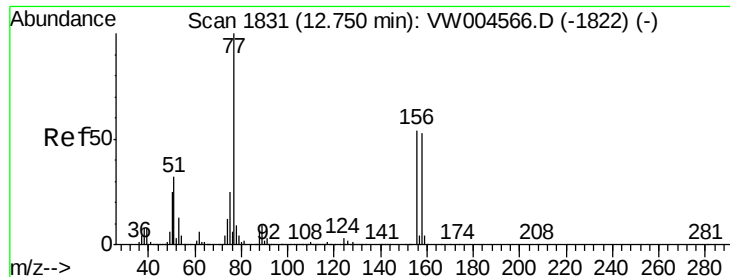
Tgt Ion: 75 Resp: 171384

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.443 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD01

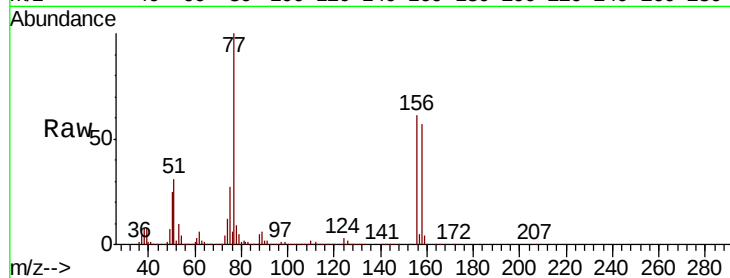
Tgt Ion:156 Resp: 178209

Ion Ratio Lower Upper

156 100

77 192.5 98.7 296.1

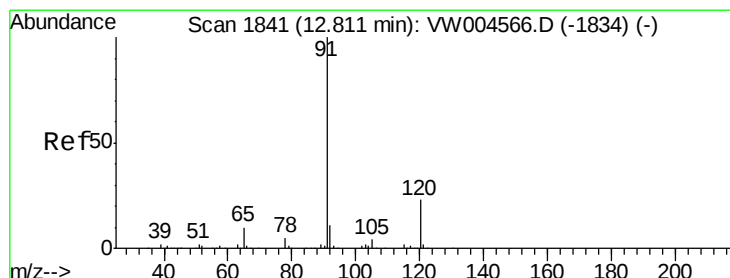
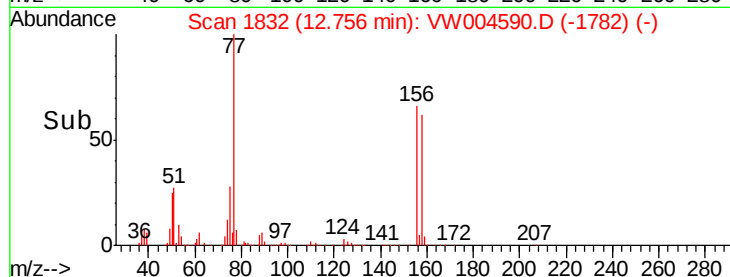
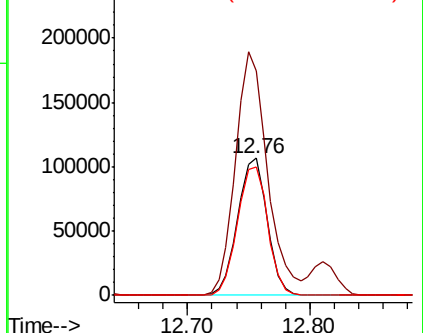
158 96.1 48.7 146.1



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: 21.035 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004590.D

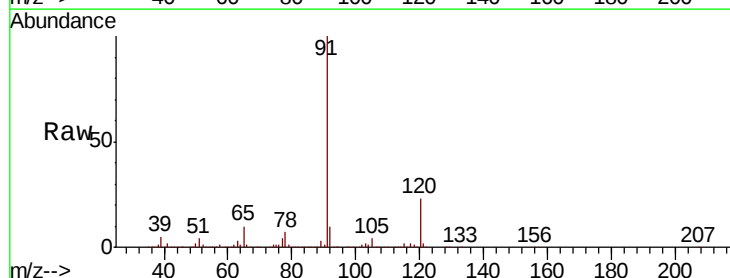
Acq: 10 Aug 2018 12:14

Tgt Ion: 91 Resp: 983295

Ion Ratio Lower Upper

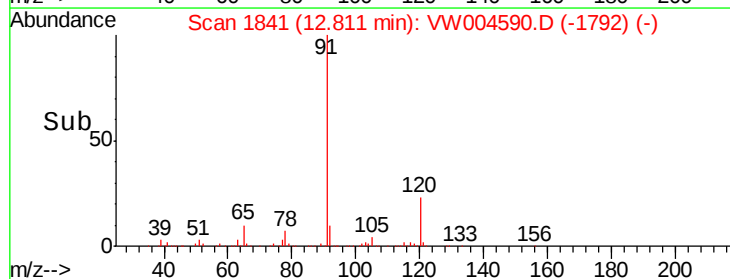
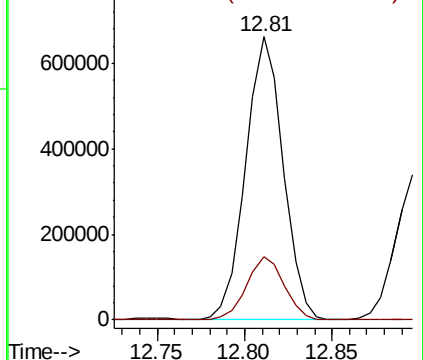
91 100

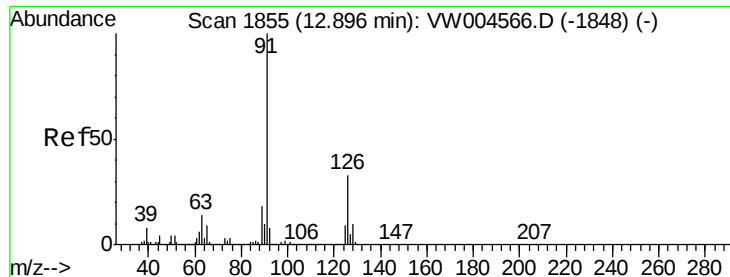
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.465 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

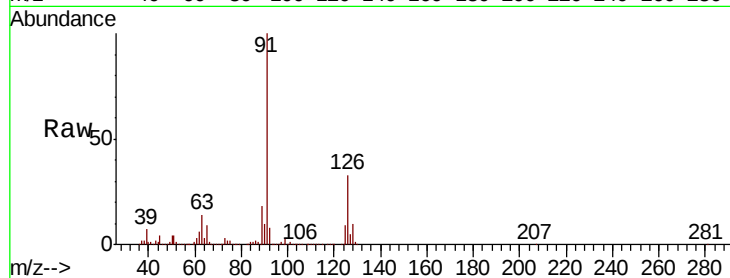
VW0813SBSD01

Tgt Ion: 91 Resp: 553609

Ion Ratio Lower Upper

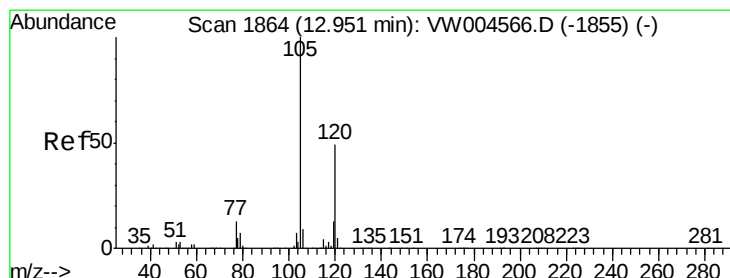
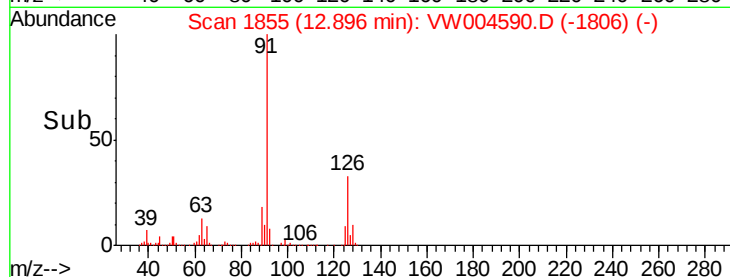
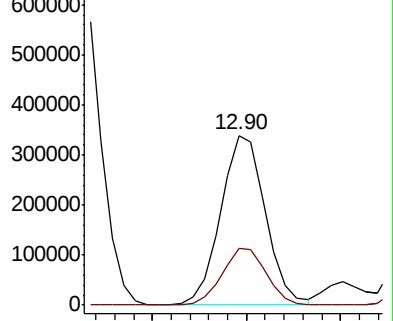
91 100

126 33.2 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.905 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004590.D

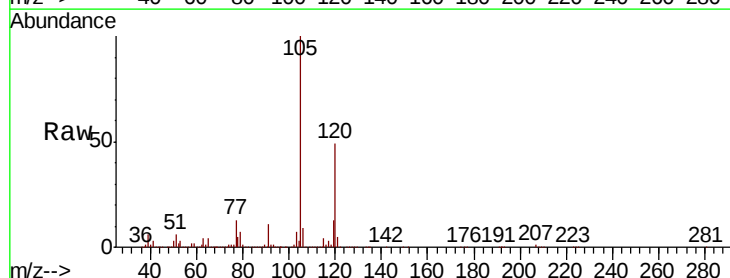
Acq: 10 Aug 2018 12:14

Tgt Ion: 105 Resp: 675560

Ion Ratio Lower Upper

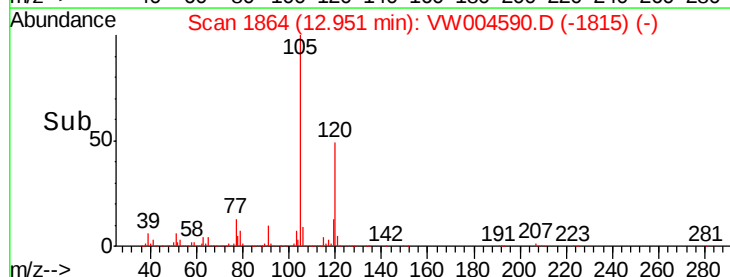
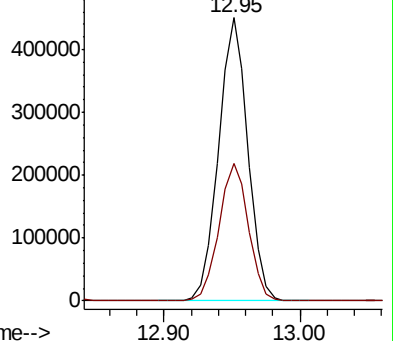
105 100

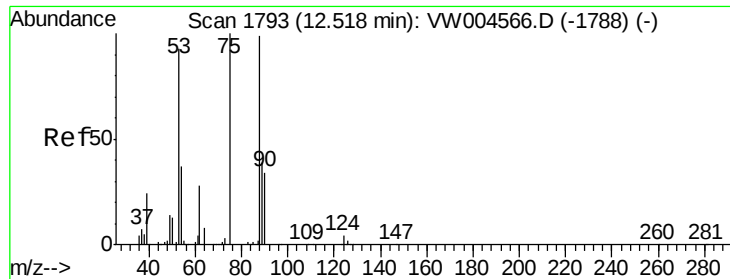
120 49.0 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

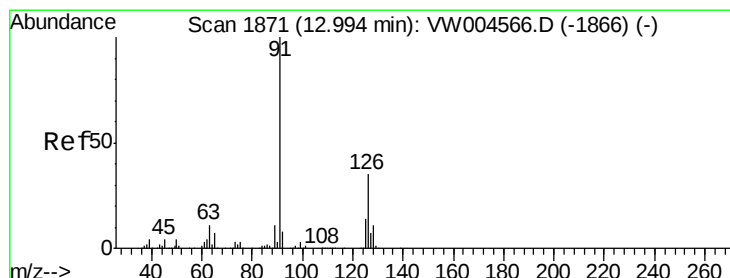
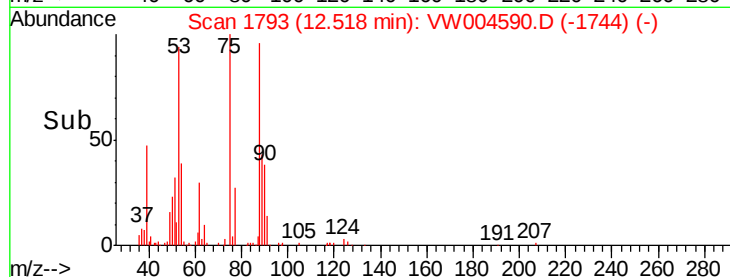
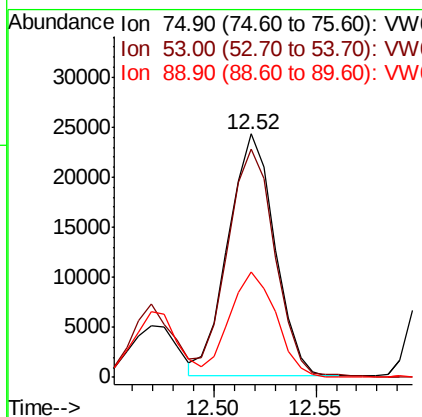
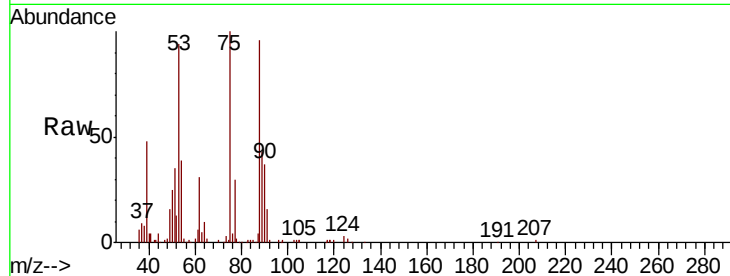




#81
trans-1,4-Dichloro-2-butene
Concen: 16.192 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

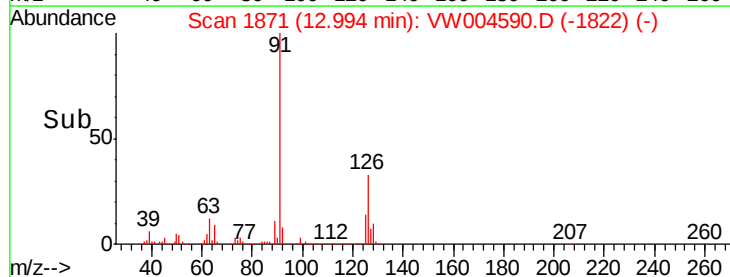
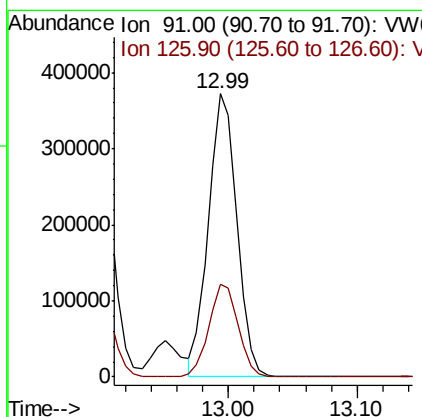
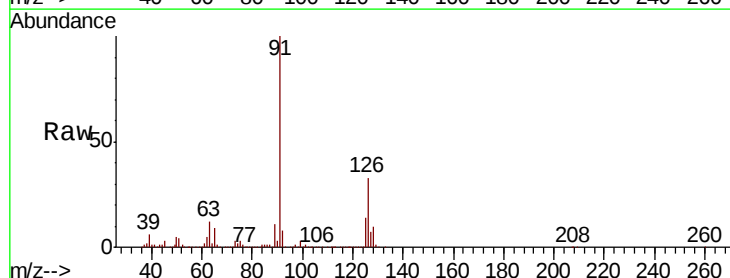
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

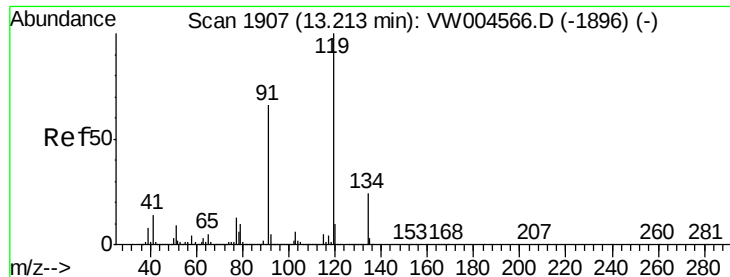
Tgt Ion: 75 Resp: 38333
Ion Ratio Lower Upper
75 100
53 96.4 74.4 111.6
89 43.3 35.9 53.9



#82
4-Chlorotoluene
Concen: 20.056 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion: 91 Resp: 575805
Ion Ratio Lower Upper
91 100
126 33.9 16.5 49.5

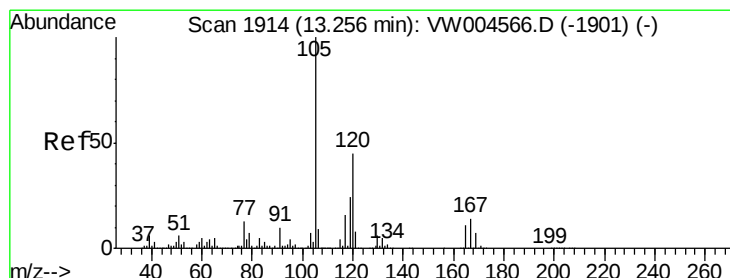
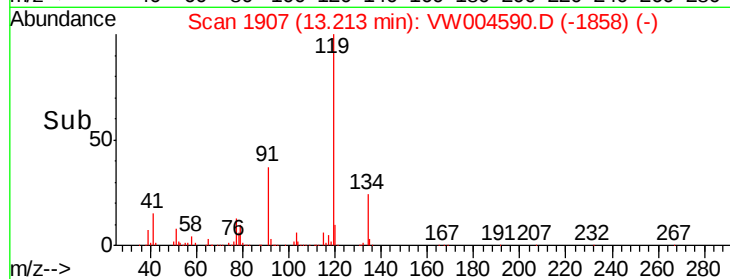
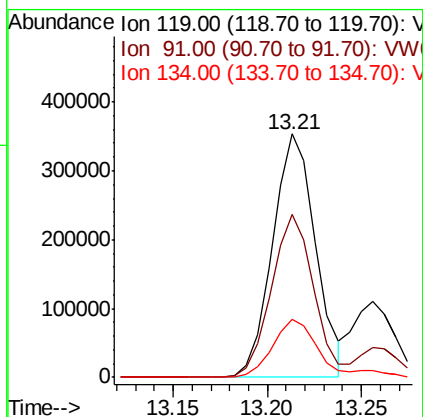
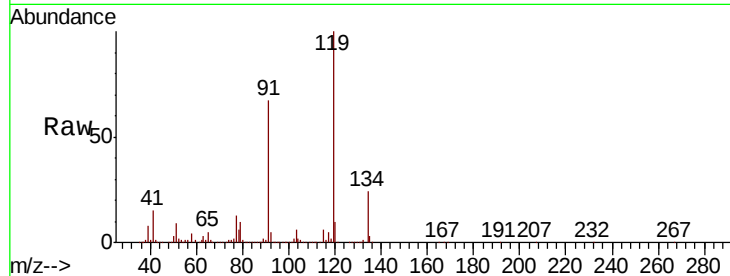




#83
 tert-Butylbenzene
 Concen: 20.634 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

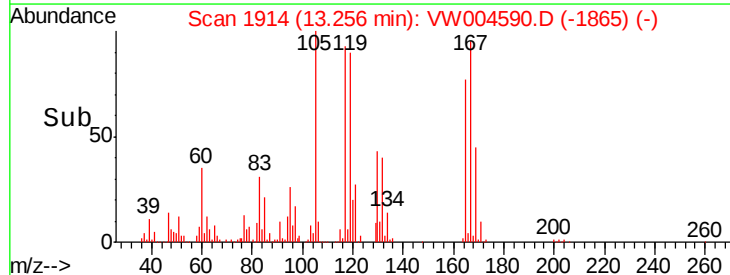
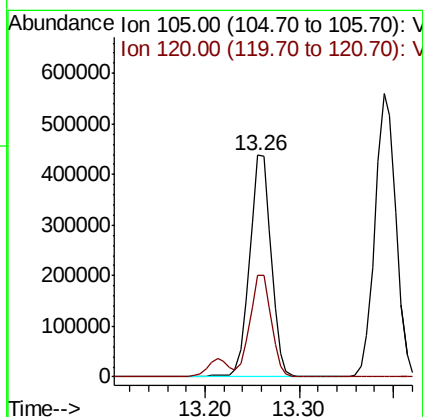
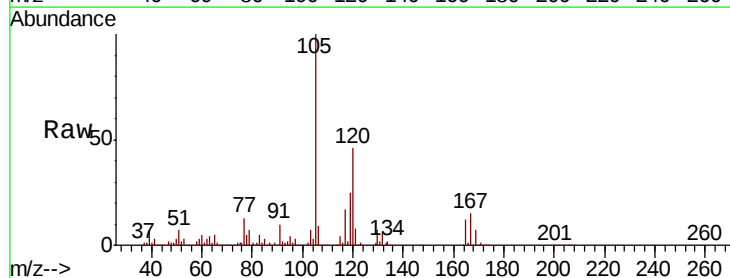
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD01

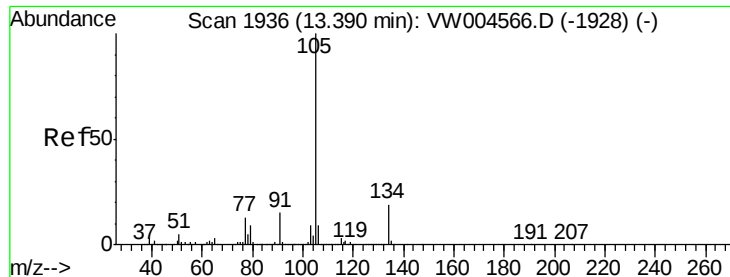
Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.3	99.8
134	24.1	12.2	36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.810 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 20.998 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

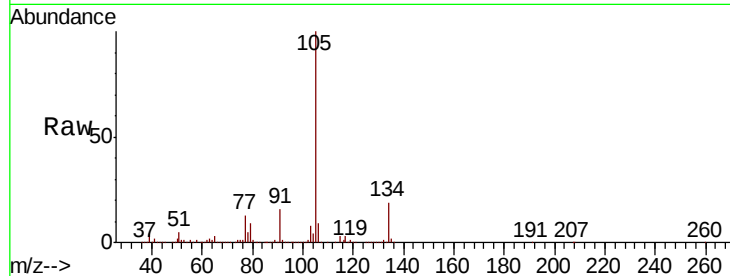
VW0813SBSD01

Tgt Ion:105 Resp: 858646

Ion Ratio Lower Upper

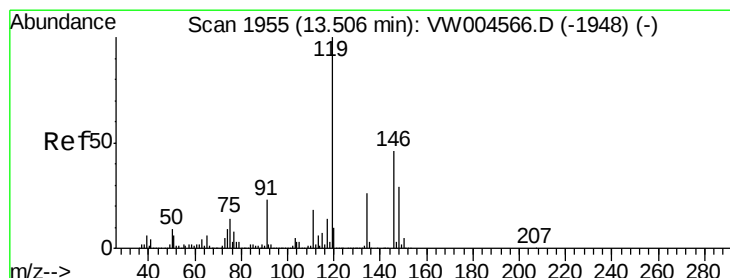
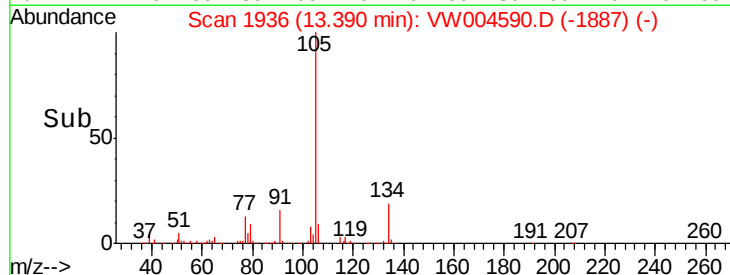
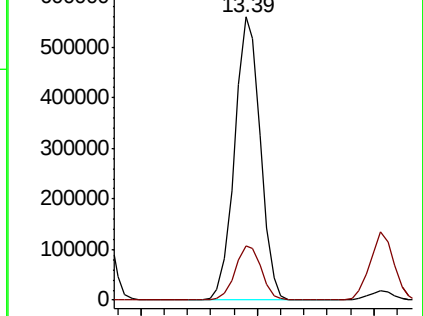
105 100

134 19.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.019 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

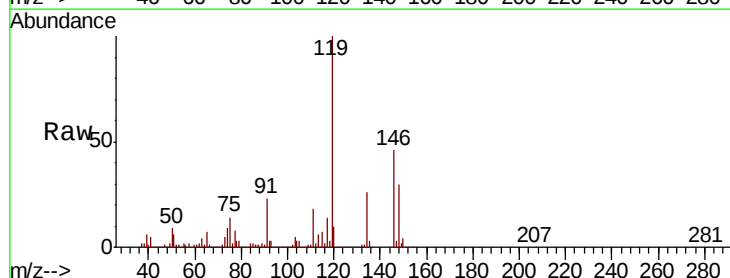
Tgt Ion:119 Resp: 744801

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

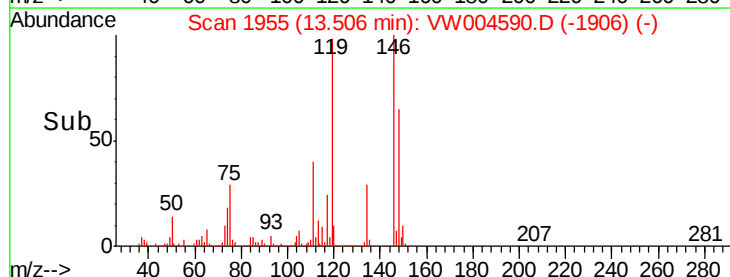
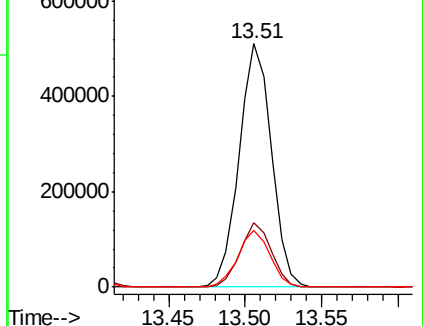
91 23.2 11.4 34.1

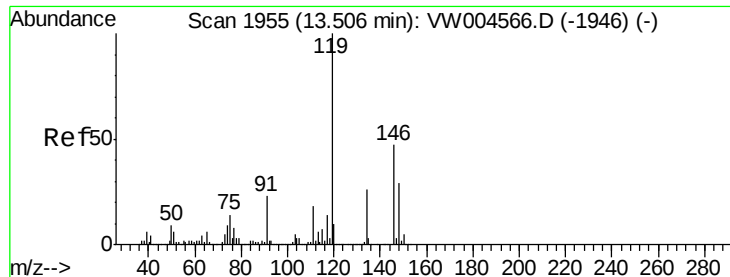


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.736 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

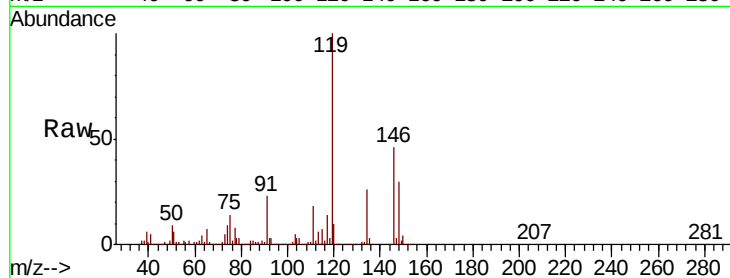
Tgt Ion:146 Resp: 372731

Ion Ratio Lower Upper

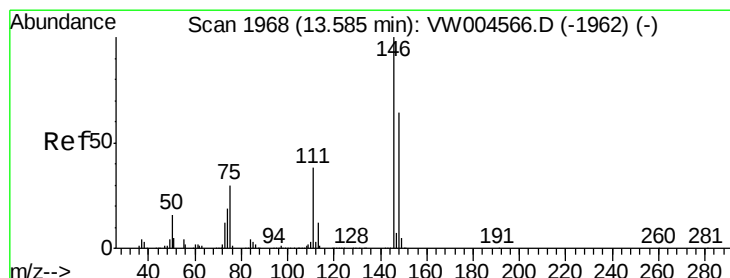
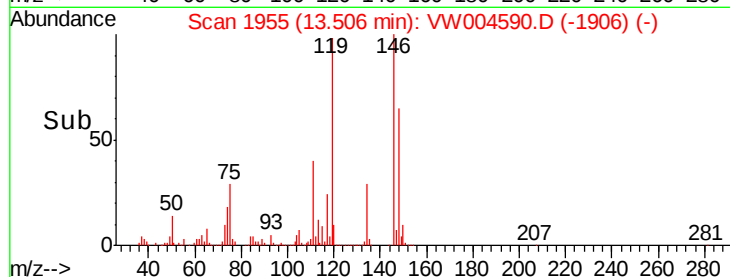
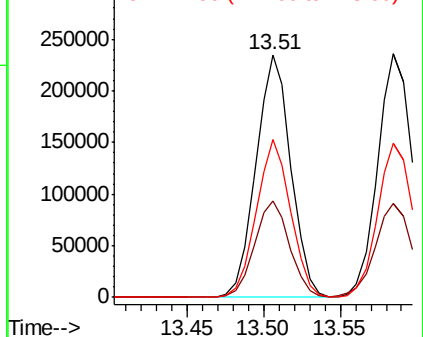
146 100

111 39.8 20.0 59.9

148 63.9 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 19.716 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

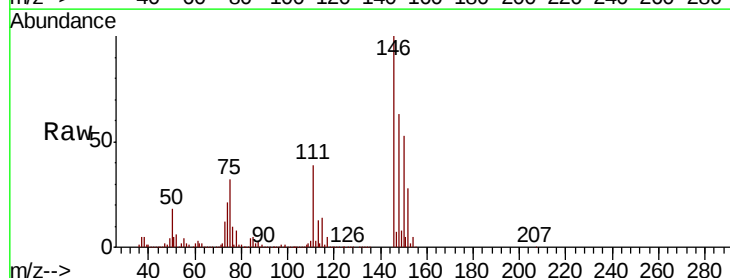
Tgt Ion:146 Resp: 370667

Ion Ratio Lower Upper

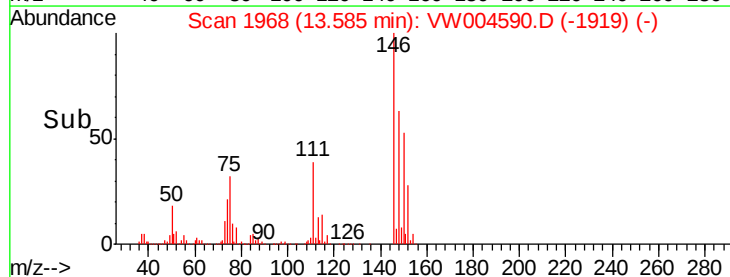
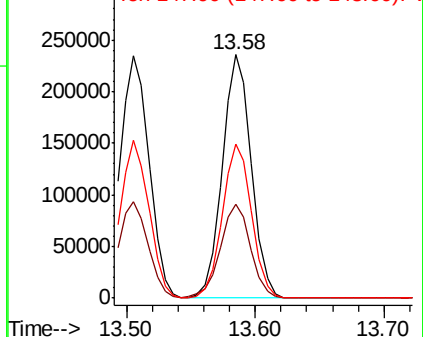
146 100

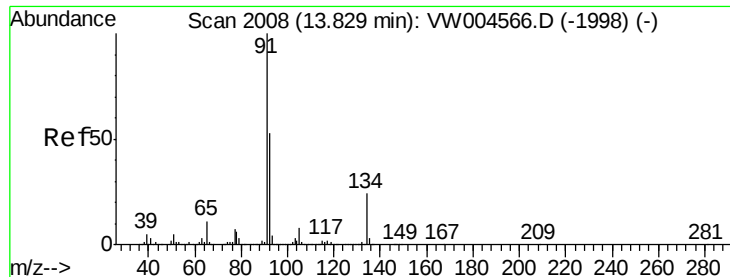
111 40.4 19.6 58.8

148 63.9 31.9 95.5



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





#89

n-Butylbenzene

Concen: 20.791 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

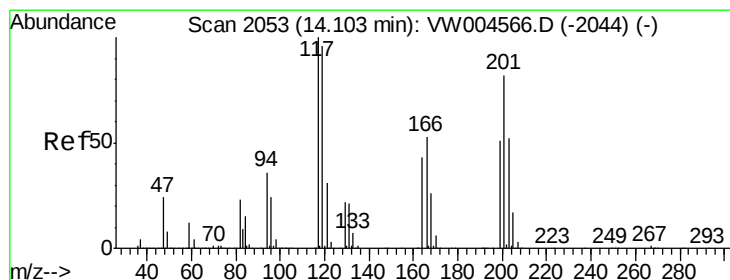
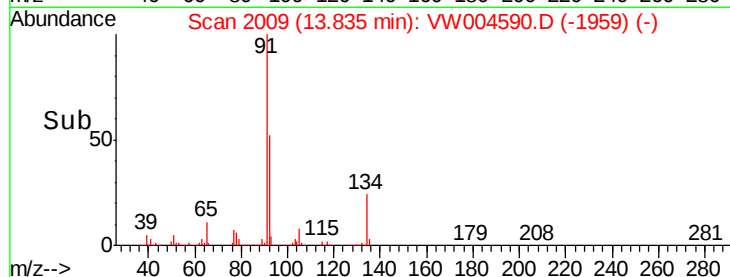
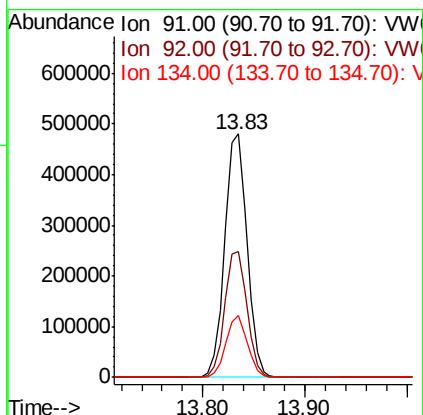
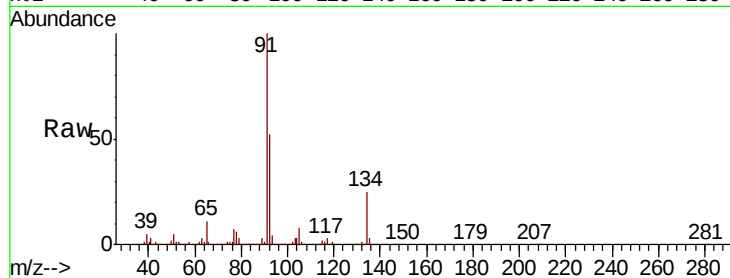
Tgt Ion: 91 Resp: 723857

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.0

134 24.4 12.4 37.2



#90

Hexachloroethane

Concen: 19.975 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004590.D

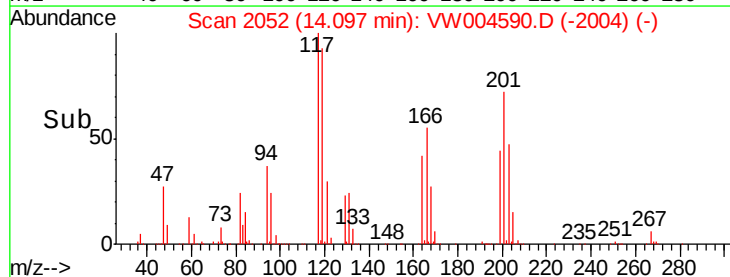
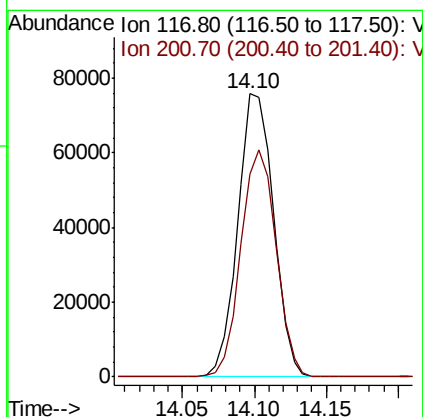
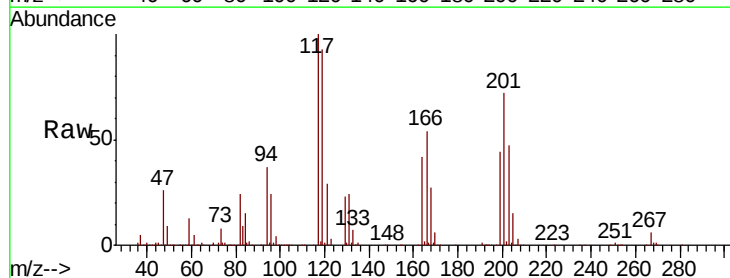
Acq: 10 Aug 2018 12:14

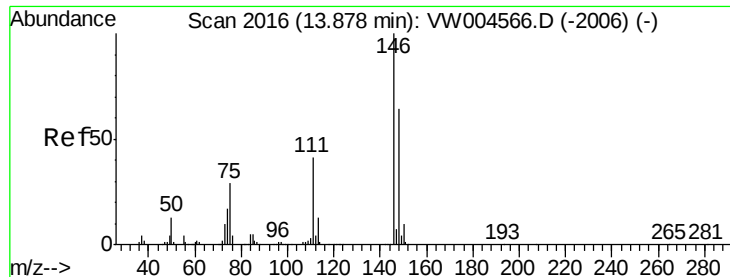
Tgt Ion: 117 Resp: 130955

Ion Ratio Lower Upper

117 100

201 78.8 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 19.215 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004590.D

Acq: 10 Aug 2018 12:14

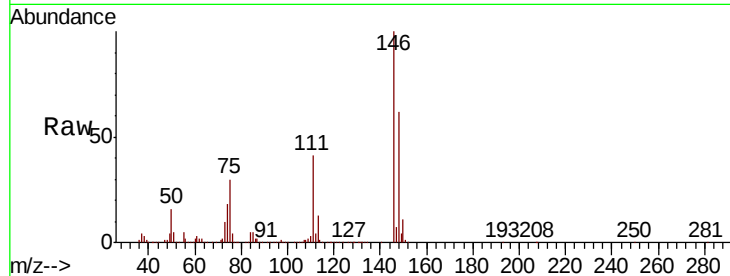
Instrument :

MSVOA_W

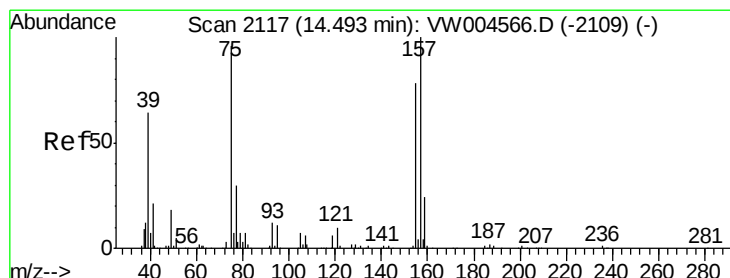
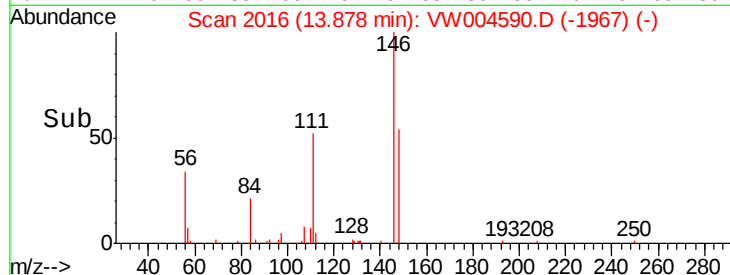
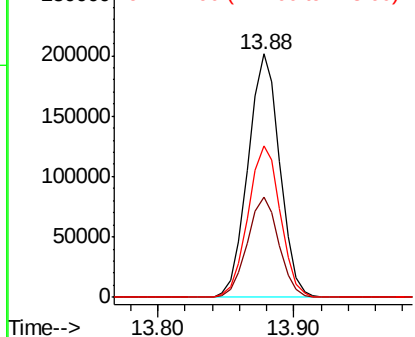
ClientSampleId :

VW0813SBSD01

Tgt Ion:	146	Resp:	329237
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.2
148	63.3	31.8	95.4



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.705 ug/l

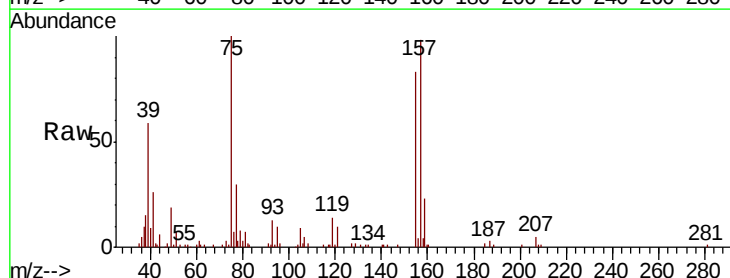
RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

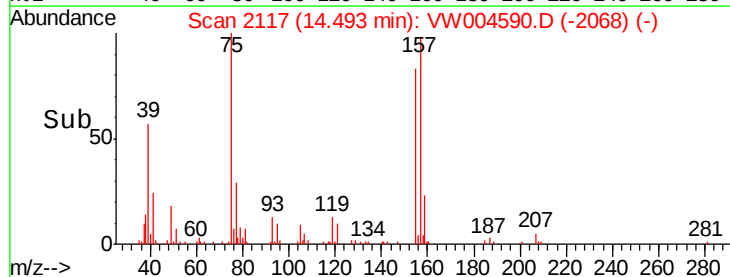
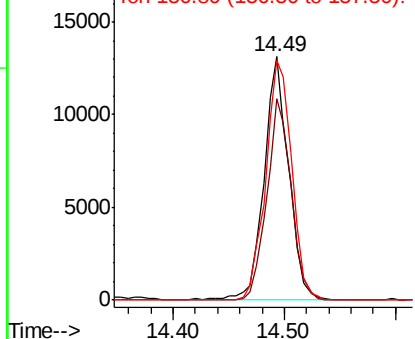
Lab File: VW004590.D

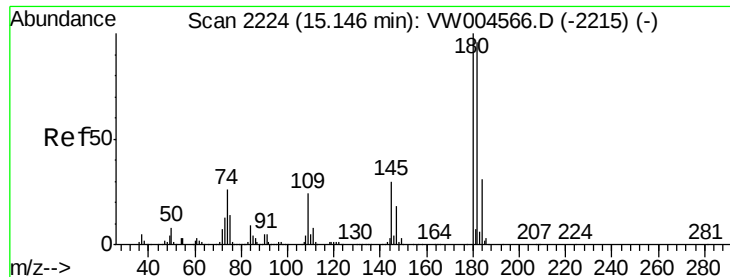
Acq: 10 Aug 2018 12:14

Tgt Ion:	75	Resp:	20295
Ion	Ratio	Lower	Upper
75	100		
155	80.9	41.3	123.7
157	103.5	52.6	157.8



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

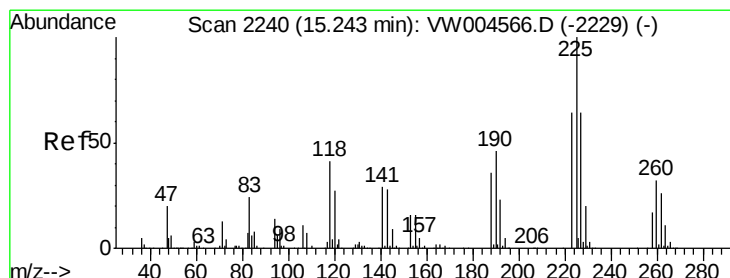
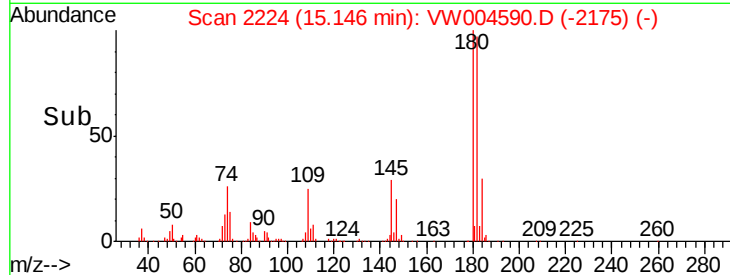
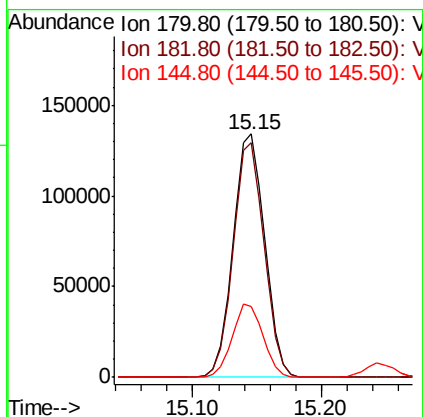
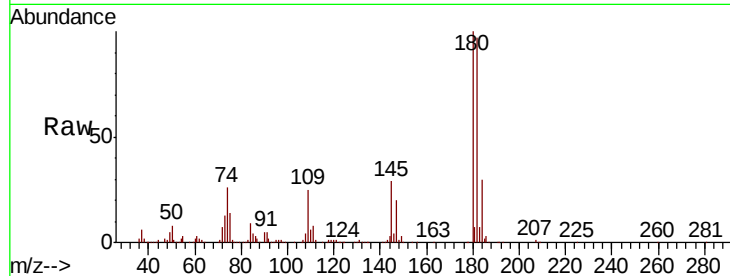




#93
 1,2,4-Trichlorobenzene
 Concen: 19.220 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

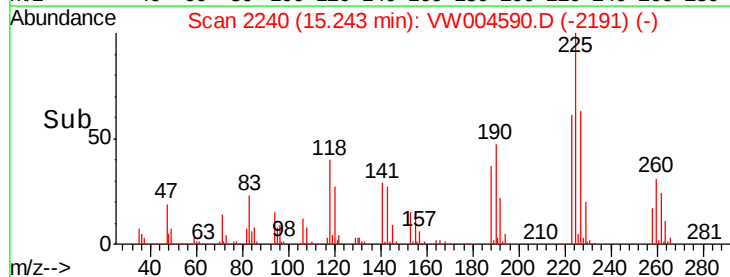
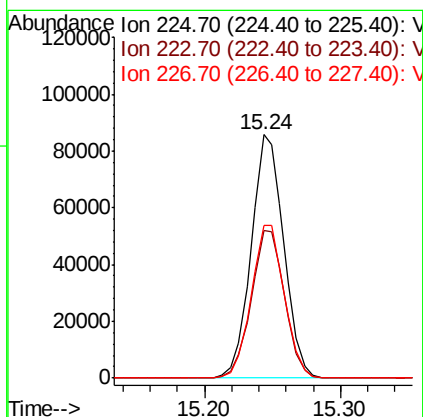
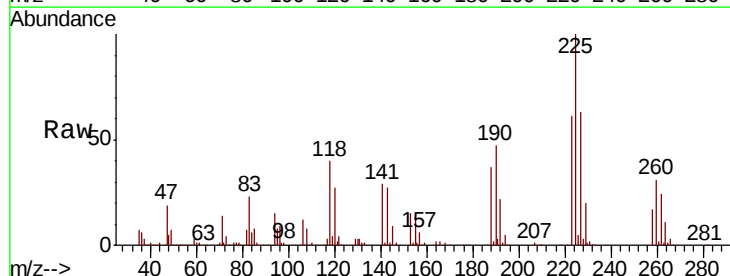
Instrument :
 MSVOA_W
 ClientSampled :
 VW0813SBS01

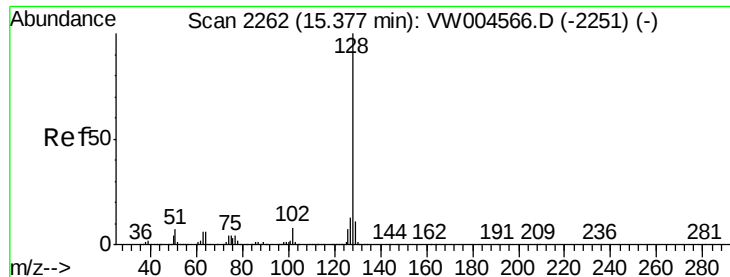
Tgt Ion:180 Resp: 228002
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.6
 145 29.5 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 20.757 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004590.D
 Acq: 10 Aug 2018 12:14

Tgt Ion:225 Resp: 143375
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.3 93.8
 227 64.0 31.8 95.4

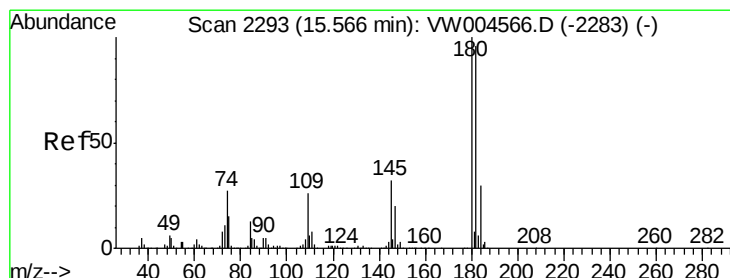
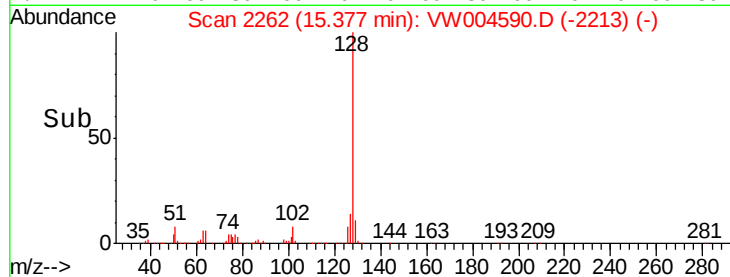
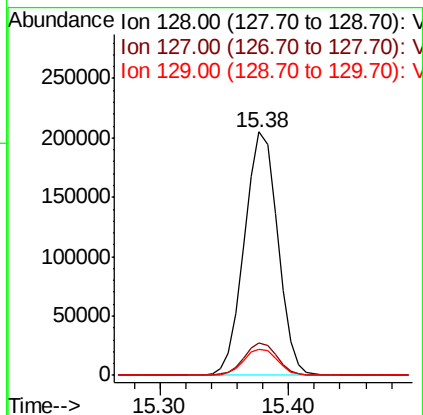
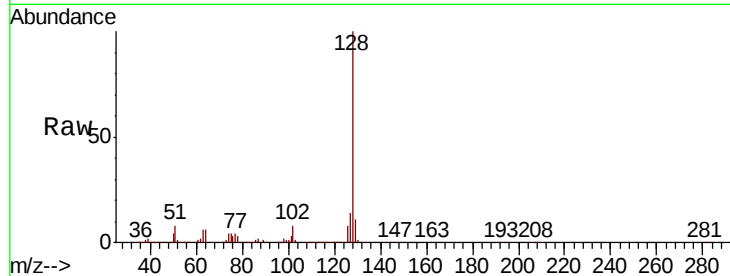




#95
Naphthalene
Concen: 17.034 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD01

Tgt Ion:128 Resp: 367062
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.616 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004590.D
Acq: 10 Aug 2018 12:14

Tgt Ion:180 Resp: 198451
Ion Ratio Lower Upper
180 100
182 96.3 47.0 141.2
145 32.3 15.9 47.6

