

Data File : VW012366.D
Acq On : 30 Aug 2019 23:28
Operator : SY/VA
Sample : VW0830SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

Quant Time: Aug 31 03:08:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	305970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134367	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126803	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	7.88	113	99392	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
50) Toluene-d8	10.32	98	392683	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.62	95	142040	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	21828	19.102	ug/l	96
3) Chloromethane	2.21	50	36459	20.593	ug/l	98
4) Vinyl Chloride	2.36	62	40100	18.505	ug/l	97
5) Bromomethane	2.73	94	16731	15.246	ug/l	97
6) Chloroethane	2.90	64	25118	20.548	ug/l	95
7) Trichlorofluoromethane	3.25	101	19621	18.033	ug/l	96
8) Diethyl Ether	3.67	74	22124	21.421	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36633	19.807	ug/l	97
10) Methyl Iodide	4.26	142	49709	19.864	ug/l	98
11) Tert butyl alcohol	5.16	59	17689	133.233	ug/l	99
12) 1,1-Dichloroethene	4.04	96	35893	19.281	ug/l	97
13) Acrolein	3.89	56	10841	86.744	ug/l	94
14) Allyl chloride	4.66	41	81090	20.376	ug/l	99
15) Acrylonitrile	5.36	53	61790	120.704	ug/l	99
16) Acetone	4.12	43	56303	99.837	ug/l	99
17) Carbon Disulfide	4.38	76	90777	16.135	ug/l	100
18) Methyl Acetate	4.66	43	38452	27.529	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	69634	23.131	ug/l	98
20) Methylene Chloride	4.91	84	48540	22.768	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	39788	19.932	ug/l	98
22) Diisopropyl ether	6.31	45	169380	22.961	ug/l	98
23) Vinyl Acetate	6.25	43	494651	108.960	ug/l	99
24) 1,1-Dichloroethane	6.21	63	87293	21.734	ug/l	98
25) 2-Butanone	7.17	43	85197	111.174	ug/l	100
26) 2,2-Dichloropropane	7.17	77	44991	19.790	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	46422	21.766	ug/l	99
28) Bromochloromethane	7.51	49	40011	22.856	ug/l	98
29) Tetrahydrofuran	7.52	42	55839	121.449	ug/l	99
30) Chloroform	7.67	83	84013	22.863	ug/l	100
31) Cyclohexane	7.95	56	71880	18.089	ug/l	# 93
32) 1,1,1-Trichloroethane	7.87	97	62215	21.402	ug/l	100
36) 1,1-Dichloropropene	8.08	75	61268	19.377	ug/l	98
37) Ethyl Acetate	7.25	43	38939	22.474	ug/l	100
38) Carbon Tetrachloride	8.07	117	54740	20.003	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62808	17.682	ug/l	96
40) Benzene	8.32	78	178371	20.660	ug/l	99
41) Methacrylonitrile	7.48	41	23870	23.440	ug/l	97
42) 1,2-Dichloroethane	8.40	62	60875	22.497	ug/l	100
43) Isopropyl Acetate	8.42	43	72873	22.706	ug/l	99
44) Trichloroethene	9.09	130	42906	20.443	ug/l	96
45) 1,2-Dichloropropane	9.37	63	50916	21.913	ug/l	99
46) Dibromomethane	9.46	93	22840	22.093	ug/l	99
47) Bromodichloromethane	9.64	83	59756	21.718	ug/l	95
48) Methyl methacrylate	9.43	41	35016	22.924	ug/l	96
49) 1,4-Dioxane	9.45	88	7851	496.060	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	191543	117.338	ug/l	99
52) Toluene	10.38	92	108153	20.852	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	58995	21.049	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	69954	20.671	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	33168	22.675	ug/l	99
56) Ethyl methacrylate	10.65	69	47544	22.333	ug/l	99
57) 1,3-Dichloropropane	10.93	76	62553	22.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	119918	109.756	ug/l	100
59) 2-Hexanone	10.97	43	130077	112.618	ug/l	100
60) Dibromochloromethane	11.13	129	35833	21.994	ug/l	100
61) 1,2-Dibromoethane	11.23	107	30435	22.334	ug/l	99
64) Tetrachloroethene	10.86	164	36241	20.666	ug/l	97
65) Chlorobenzene	11.66	112	110849	20.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	39988	21.522	ug/l	98
67) Ethyl Benzene	11.73	91	212438	20.706	ug/l	98
68) m/p-Xylenes	11.84	106	151756	41.063	ug/l	98
69) o-Xylene	12.16	106	69884	20.431	ug/l	95
70) Styrene	12.18	104	125895	21.264	ug/l	98
71) Bromoform	12.35	173	19912	21.510	ug/l #	99
73) Isopropylbenzene	12.46	105	201086	19.972	ug/l	100
74) N-amyl acetate	12.27	43	67460	22.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	39304	21.294	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	52603	40.197	ug/l #	100
77) Bromobenzene	12.74	156	45855	21.052	ug/l	98
78) n-propylbenzene	12.80	91	247233	20.114	ug/l	100
79) 2-Chlorotoluene	12.89	91	144120	20.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	174259	20.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12033	20.160	ug/l	97
82) 4-Chlorotoluene	12.99	91	150096	20.542	ug/l	100
83) tert-Butylbenzene	13.21	119	145680	20.442	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	176537	20.889	ug/l	99
85) sec-Butylbenzene	13.38	105	204781	20.057	ug/l	100
86) p-Isopropyltoluene	13.50	119	188778	20.703	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	89993	21.123	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	89346	21.121	ug/l	99
89) n-Butylbenzene	13.82	91	183065	20.189	ug/l	99
90) Hexachloroethane	14.09	117	31875	19.925	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	81850	21.900	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6546	21.036	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083019\
Quantitation Report (Not Reviewed)

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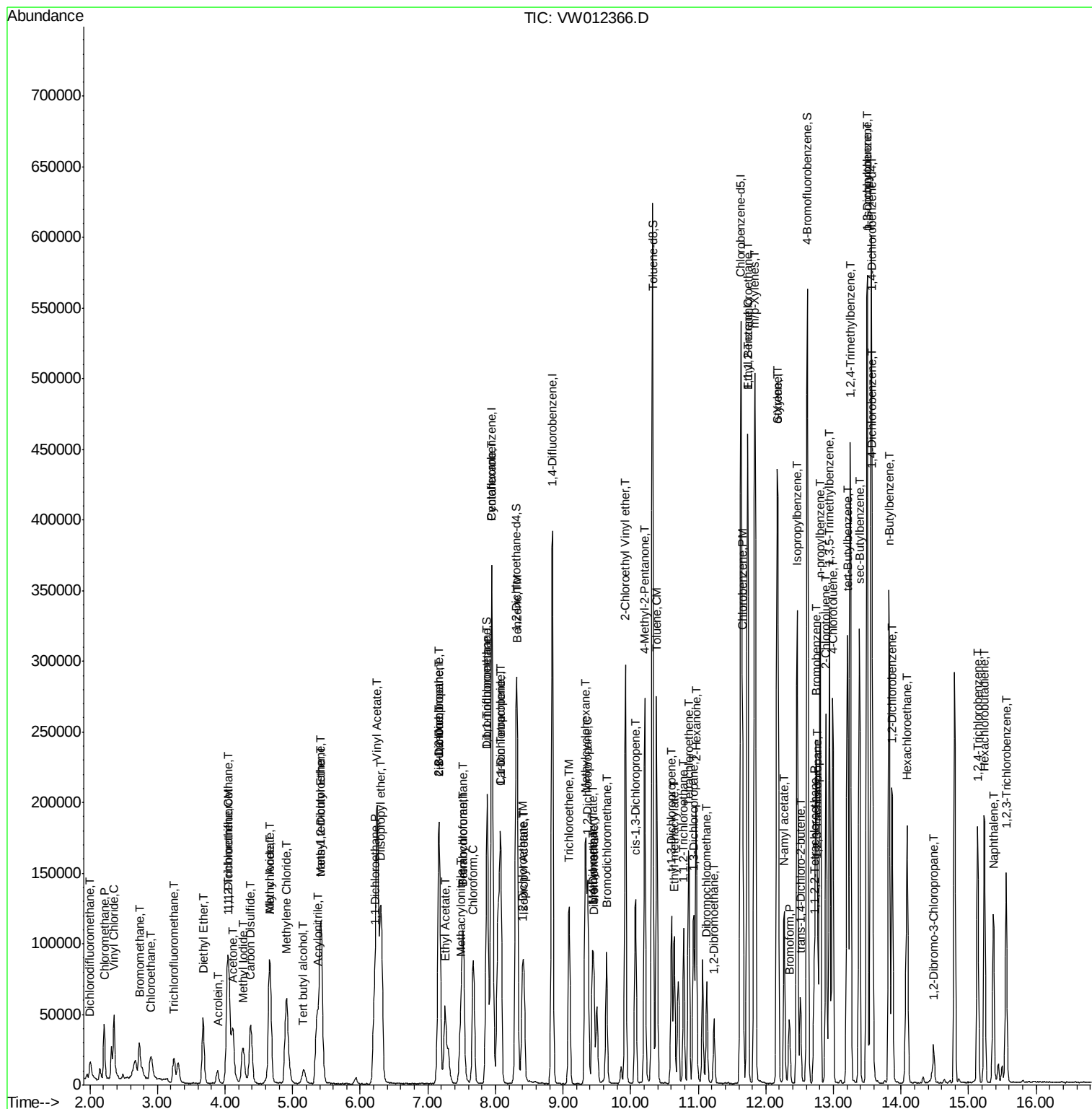
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

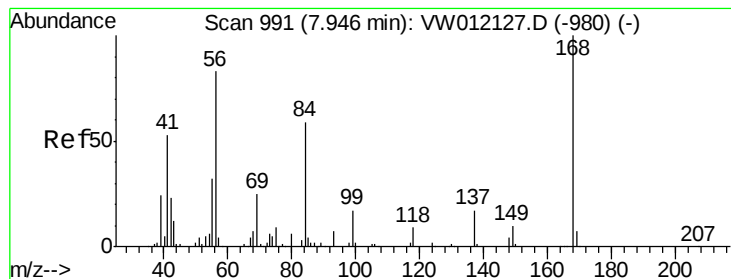
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56753	21.973	ug/l	99
94) Hexachlorobutadiene	15.24	225	38098	22.339	ug/l	96
95) Naphthalene	15.36	128	98472	22.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49160	21.815	ug/l	98

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

Quant Time: Aug 31 03:08:55 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

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ClientSampleId :

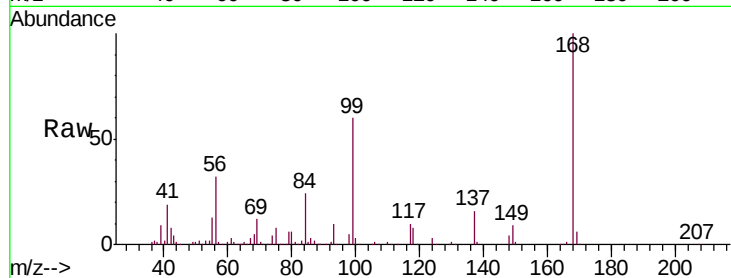
VW0830SBS02

Tgt Ion:168 Resp: 185588

Ion Ratio Lower Upper

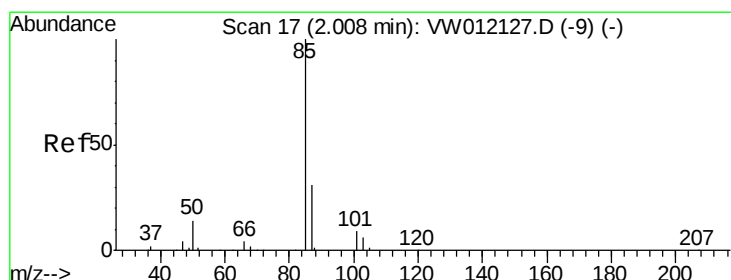
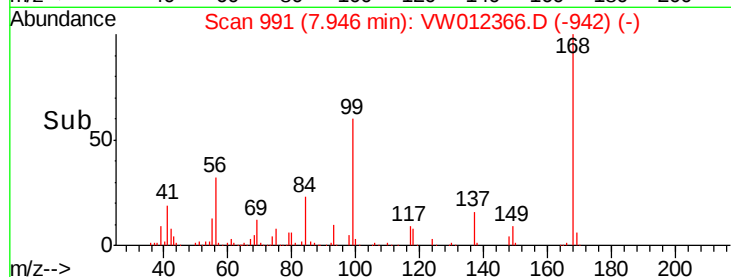
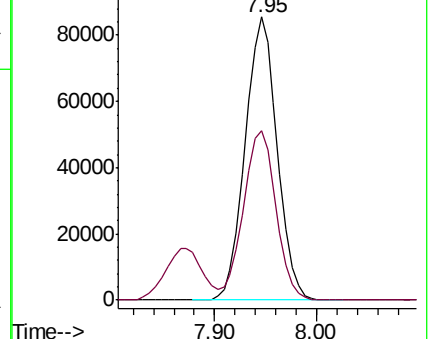
168 100

99 59.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.102 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012366.D

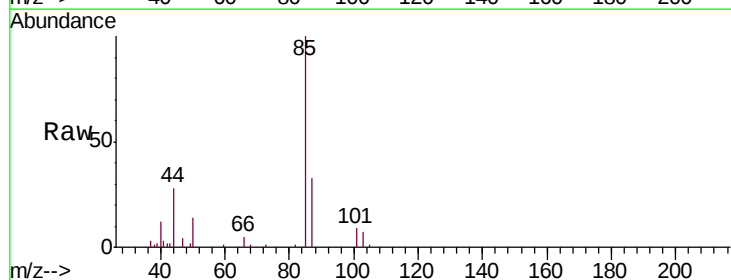
Acq: 30 Aug 2019 23:28

Tgt Ion: 85 Resp: 21828

Ion Ratio Lower Upper

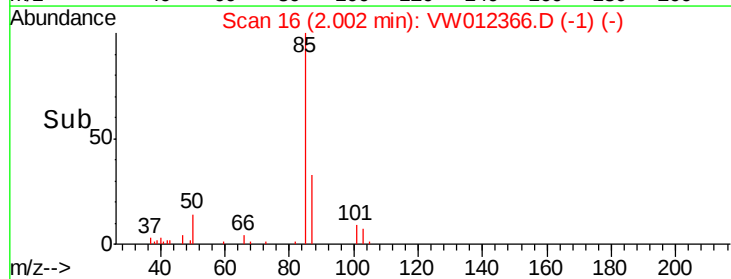
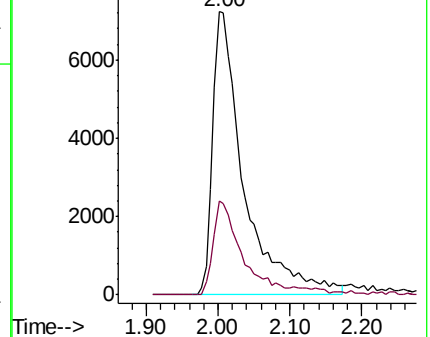
85 100

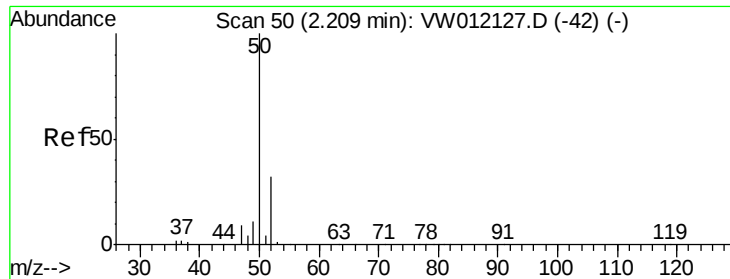
87 33.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.593 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

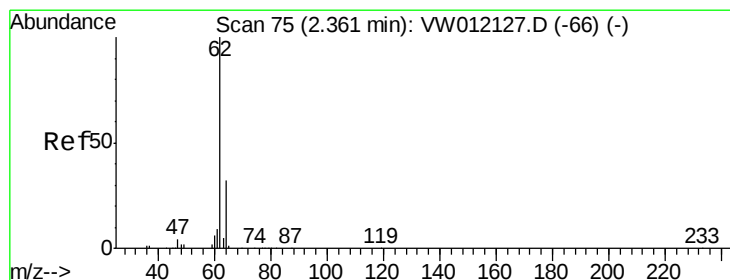
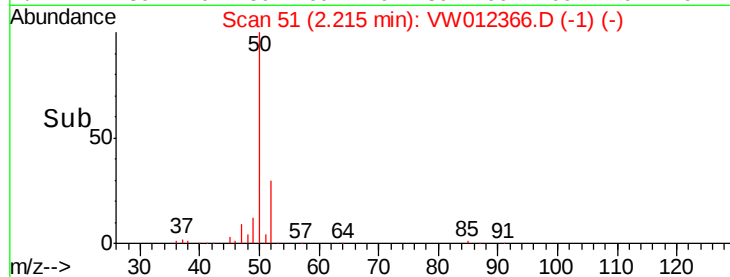
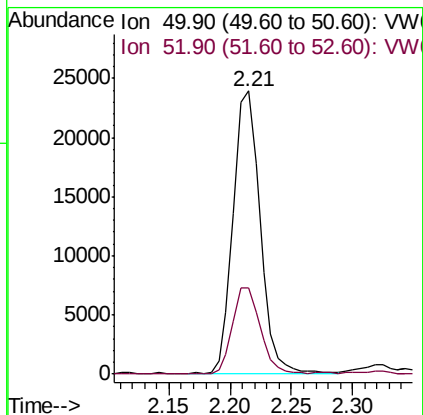
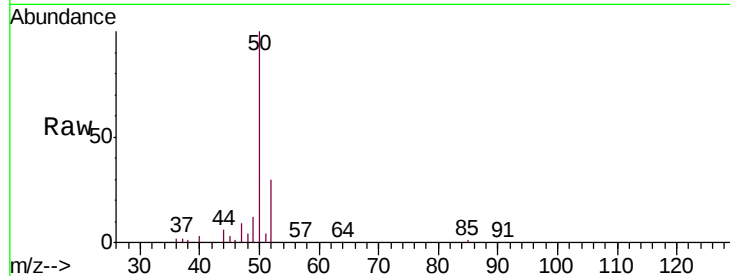
VW0830SBS02

Tgt Ion: 50 Resp: 36459

Ion Ratio Lower Upper

50 100

52 30.5 25.5 38.3



#4

Vinyl Chloride

Concen: 18.505 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012366.D

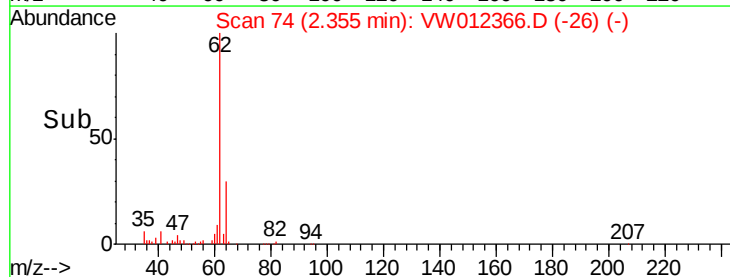
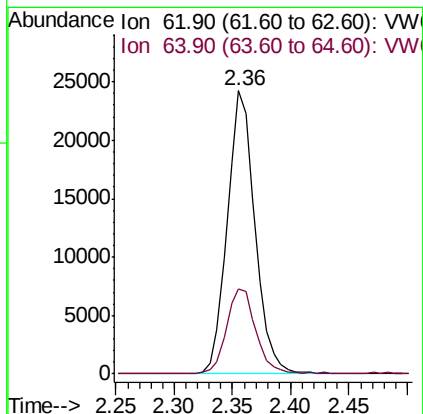
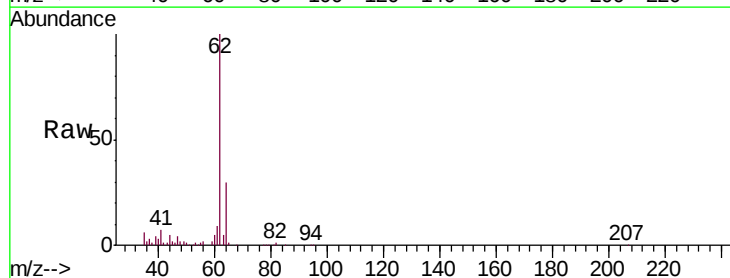
Acq: 30 Aug 2019 23:28

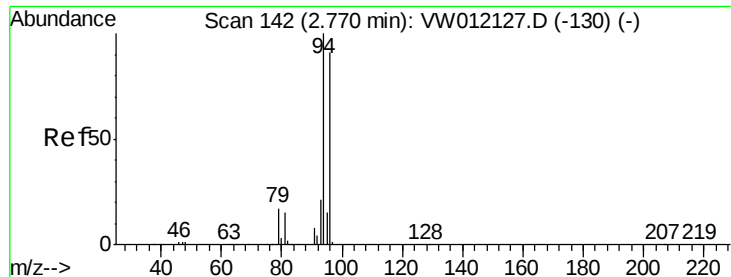
Tgt Ion: 62 Resp: 40100

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 15.246 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

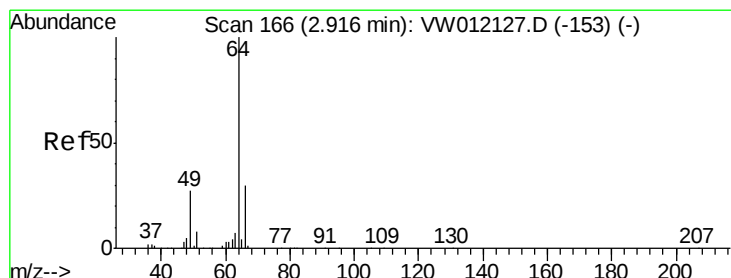
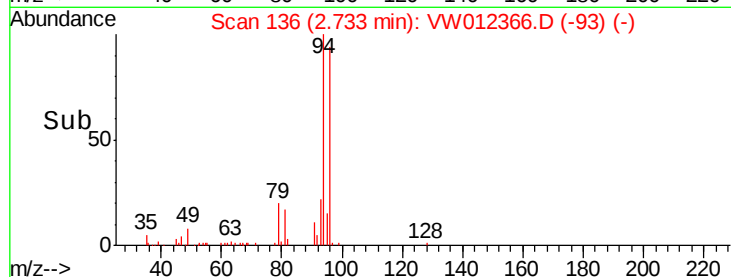
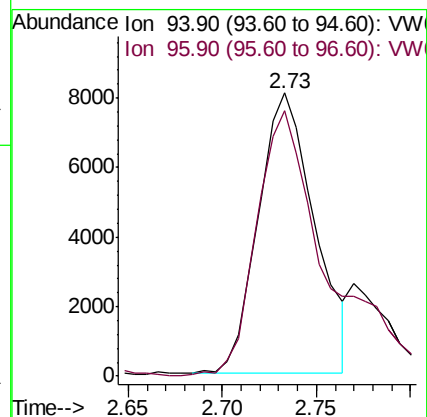
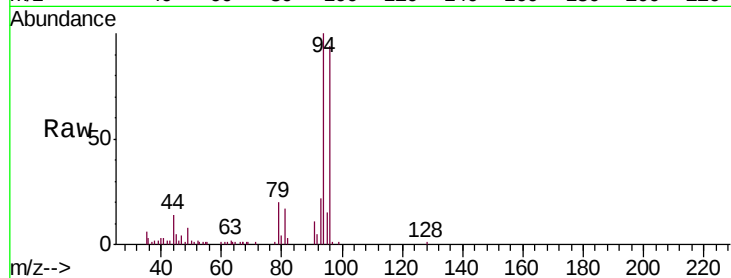
VW0830SBS02

Tgt Ion: 94 Resp: 16731

Ion Ratio Lower Upper

94 100

96 94.1 72.9 109.3



#6

Chloroethane

Concen: 20.548 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012366.D

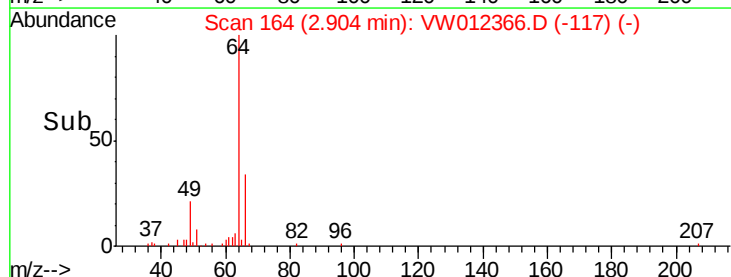
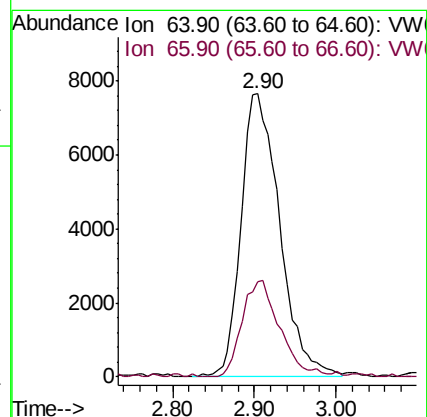
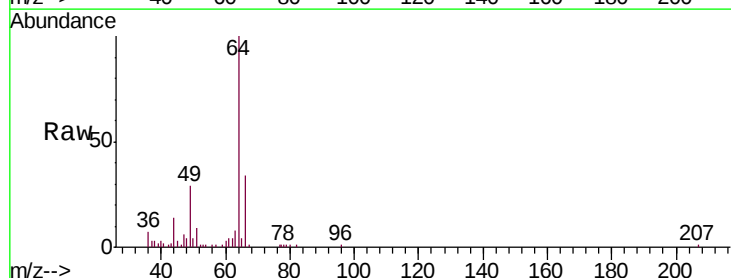
Acq: 30 Aug 2019 23:28

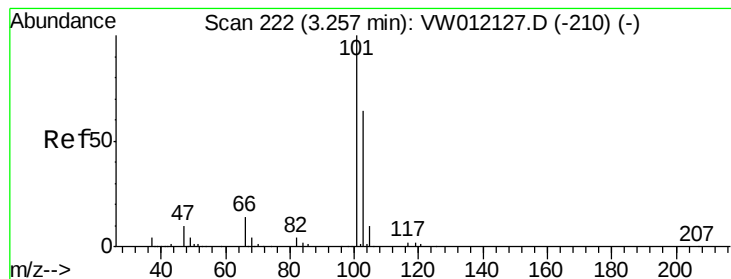
Tgt Ion: 64 Resp: 25118

Ion Ratio Lower Upper

64 100

66 32.7 23.8 35.8



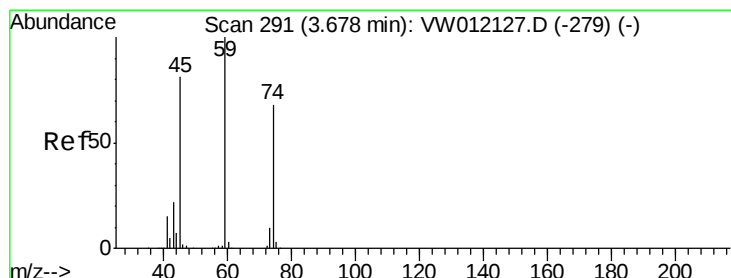
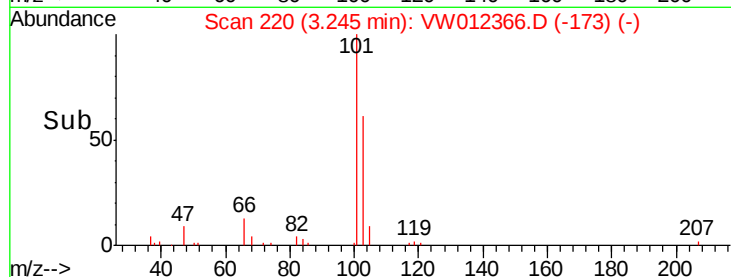
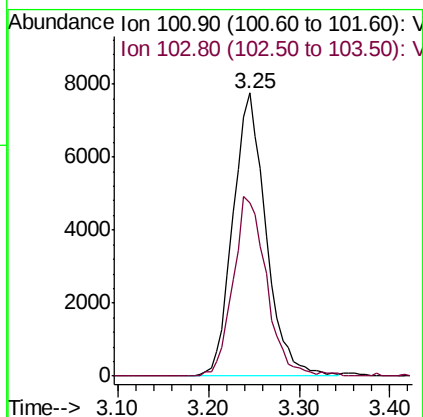
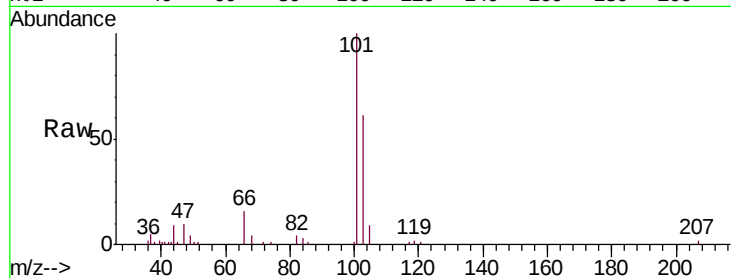


#7

Trichlorofluoromethane
 Concen: 18.033 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
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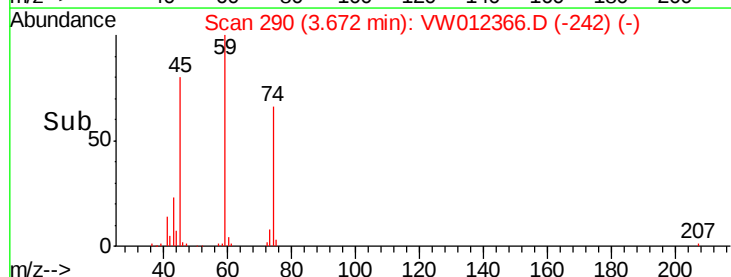
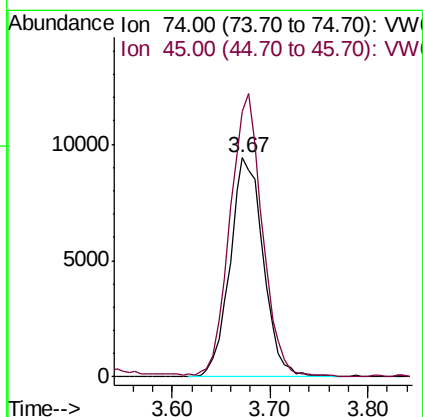
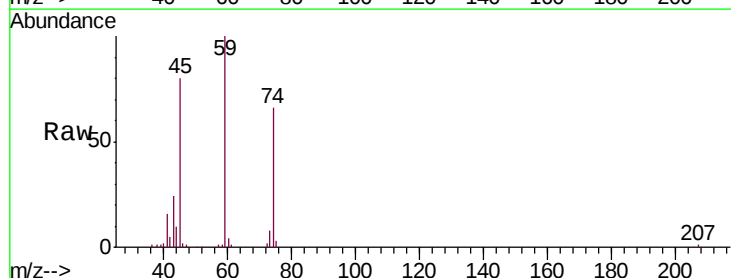
Tgt Ion:101 Resp: 19621
 Ion Ratio Lower Upper
 101 100
 103 61.2 51.2 76.8

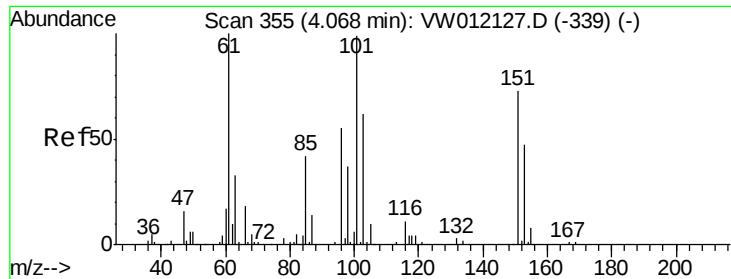


#8

Diethyl Ether
 Concen: 21.421 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion: 74 Resp: 22124
 Ion Ratio Lower Upper
 74 100
 45 126.8 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.807 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

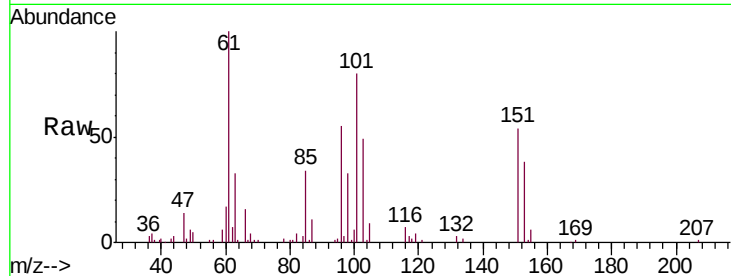
Tgt Ion:101 Resp: 36633

Ion Ratio Lower Upper

101 100

85 46.0 35.8 53.6

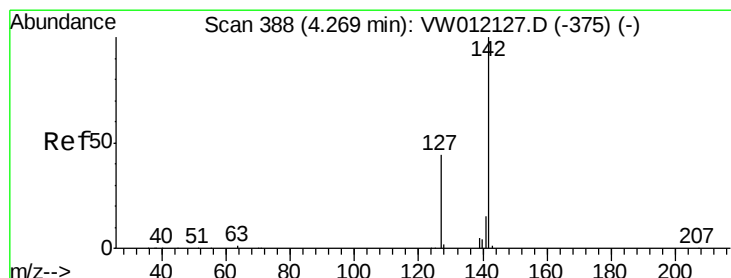
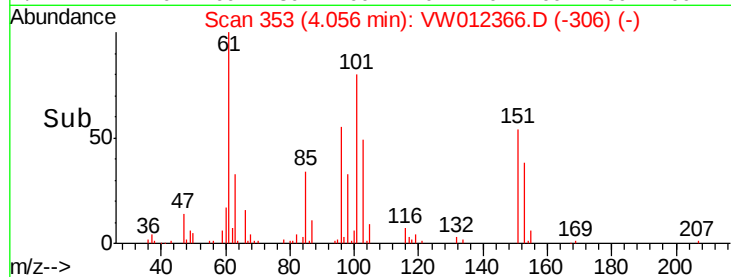
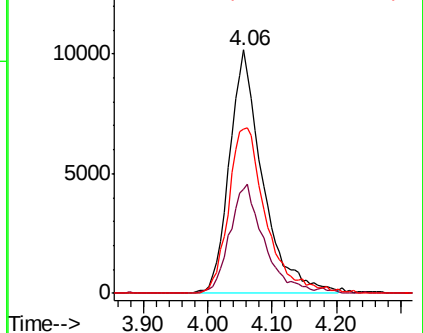
151 75.9 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.864 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

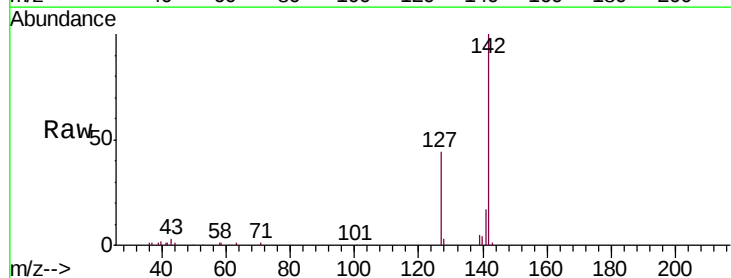
Tgt Ion:142 Resp: 49709

Ion Ratio Lower Upper

142 100

127 45.4 35.5 53.3

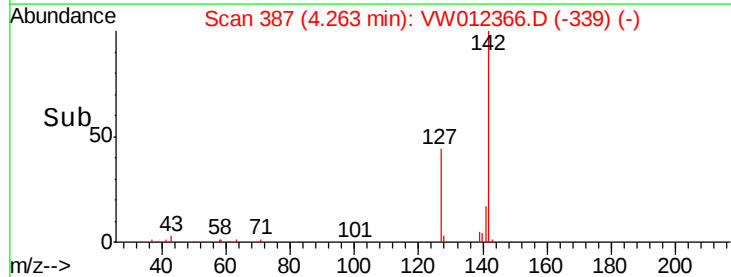
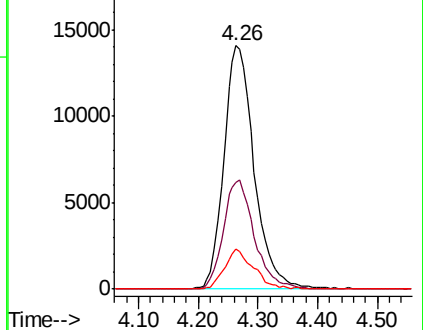
141 15.7 11.8 17.8

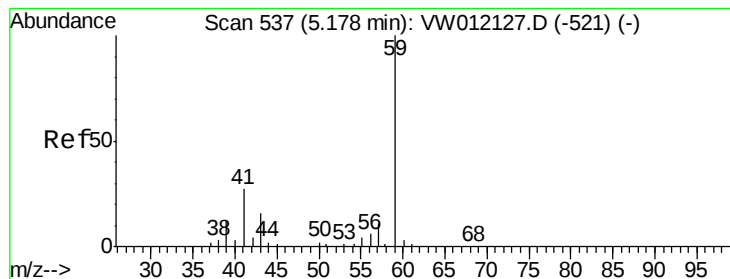


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



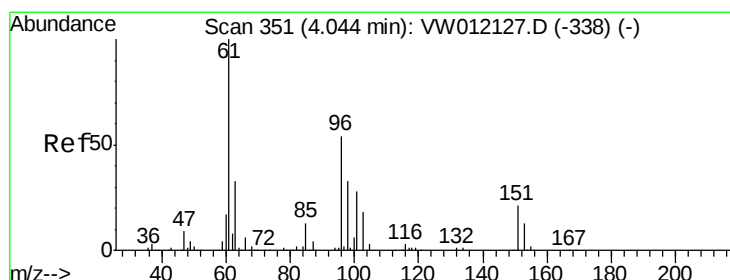
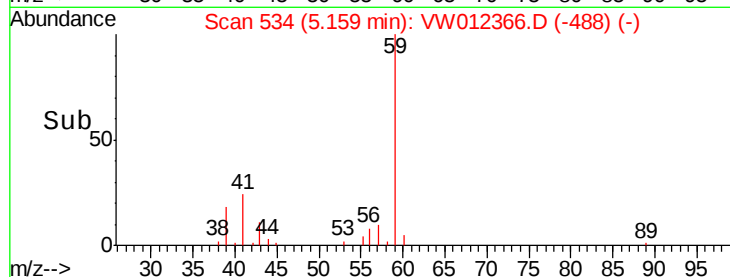
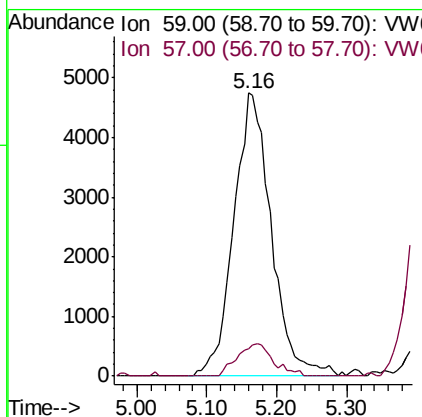
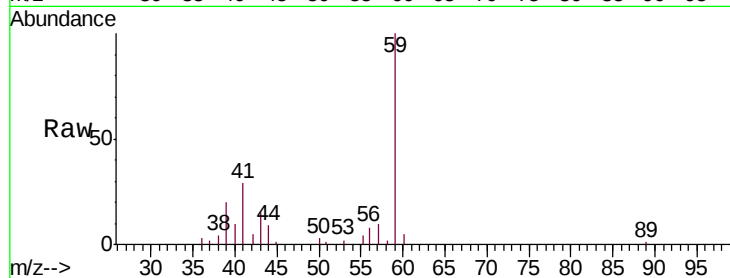


#11

Tert butyl alcohol
 Concen: 133.233 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

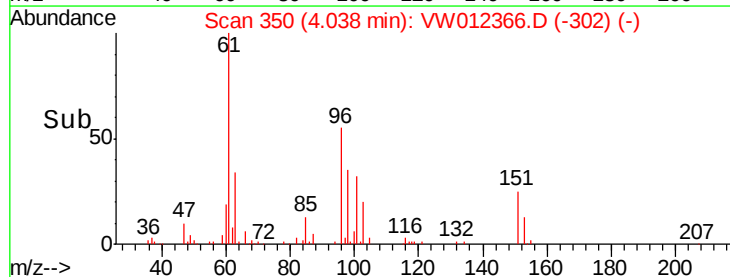
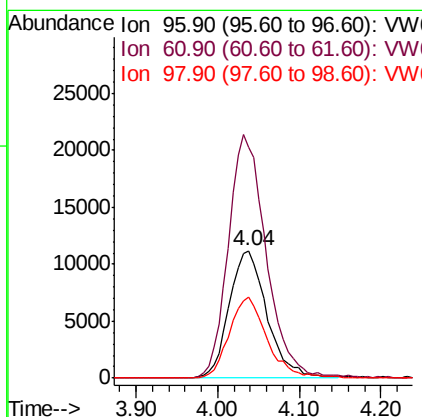
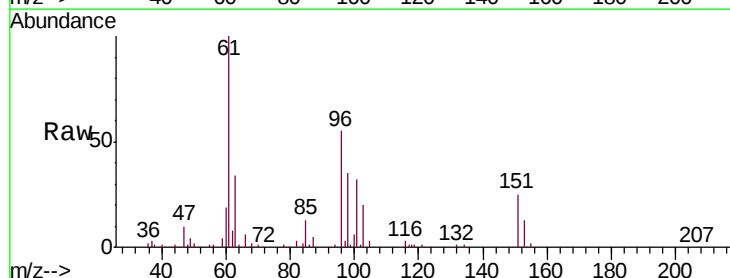
Tgt Ion: 59 Resp: 17689
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.4

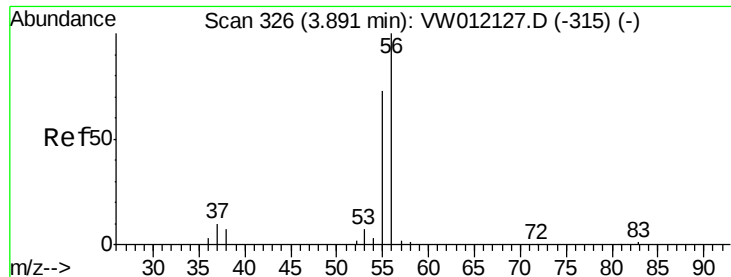


#12

1,1-Dichloroethene
 Concen: 19.281 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion: 96 Resp: 35893
 Ion Ratio Lower Upper
 96 100
 61 181.2 149.1 223.7
 98 63.3 49.4 74.2





#13

Acrolein

Concen: 86.744 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

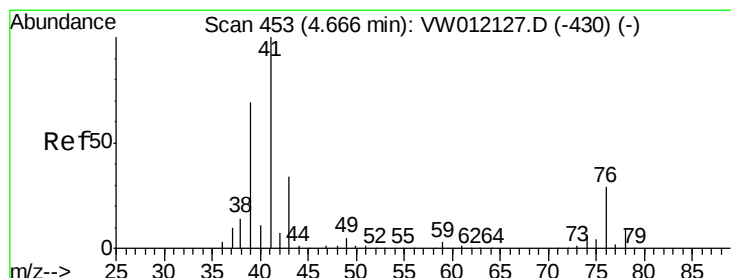
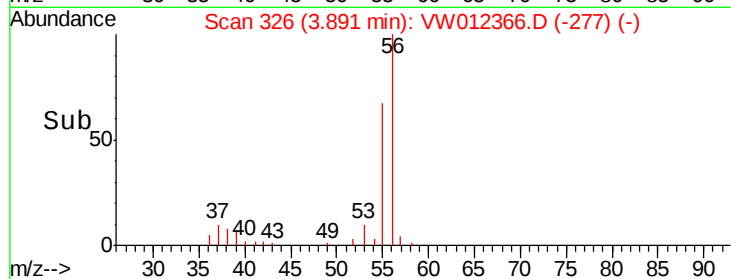
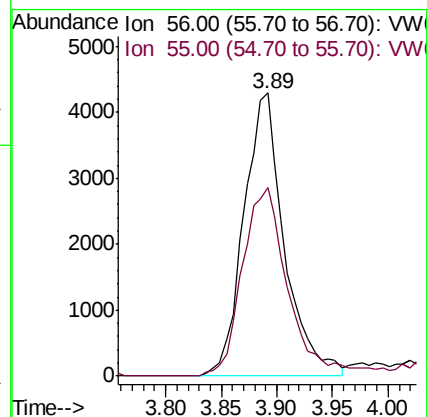
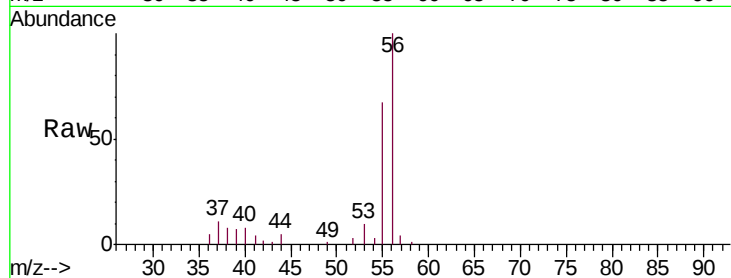
VW0830SBS02

Tgt Ion: 56 Resp: 10841

Ion Ratio Lower Upper

56 100

55 74.7 55.8 83.8



#14

Allyl chloride

Concen: 20.376 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

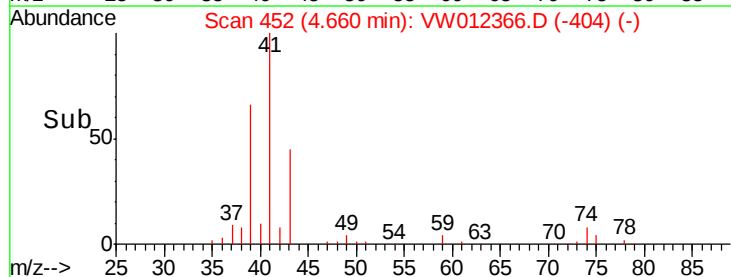
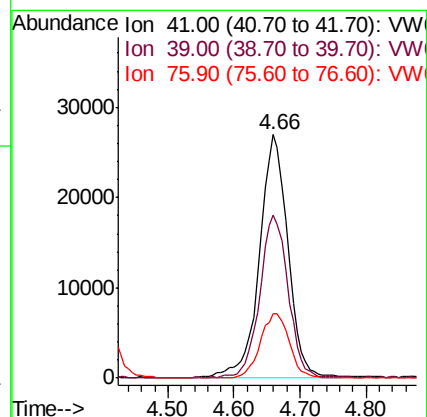
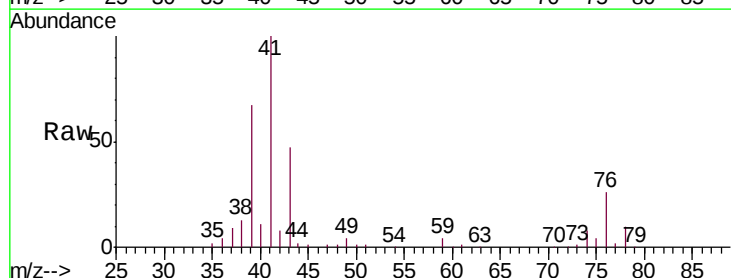
Tgt Ion: 41 Resp: 81090

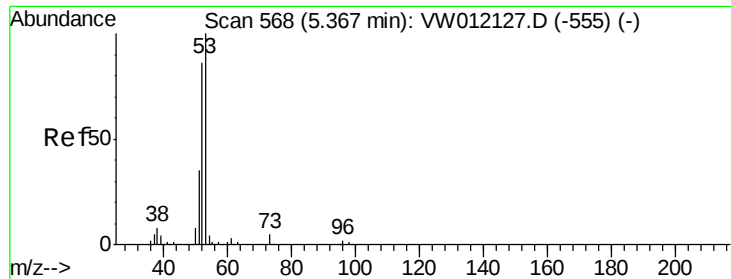
Ion Ratio Lower Upper

41 100

39 65.9 53.4 80.2

76 27.0 22.1 33.1





#15

Acrylonitrile

Concen: 120.704 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

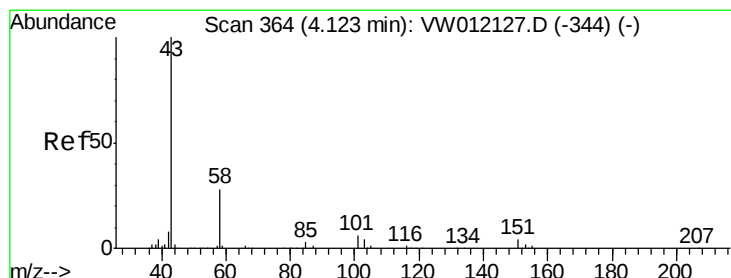
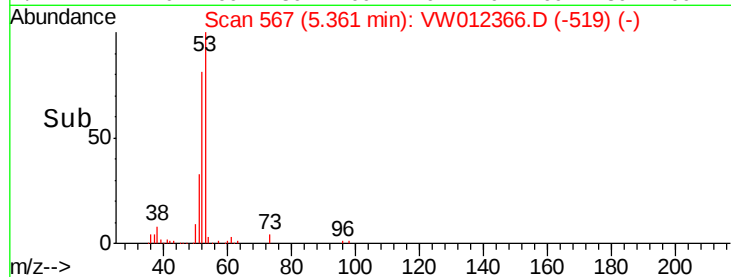
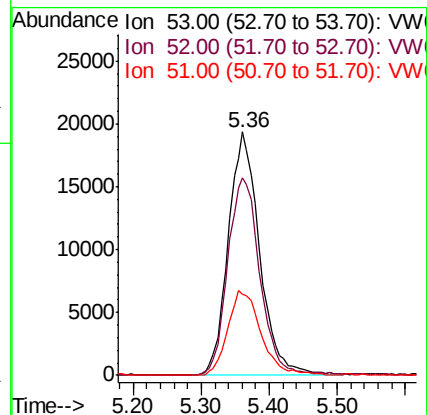
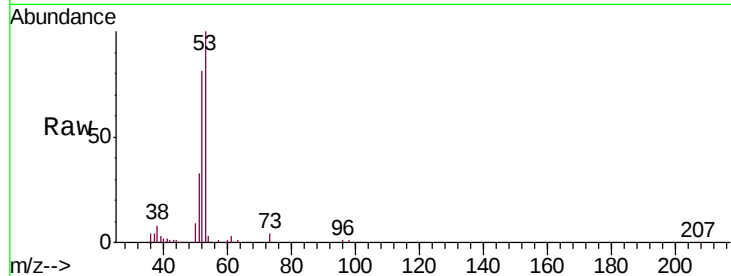
Tgt Ion: 53 Resp: 61790

Ion Ratio Lower Upper

53 100

52 82.6 66.7 100.1

51 37.0 30.1 45.1



#16

Acetone

Concen: 99.837 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012366.D

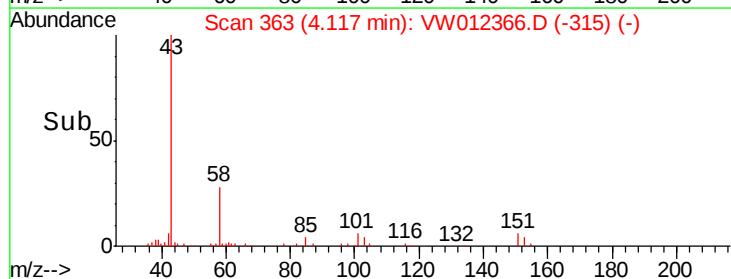
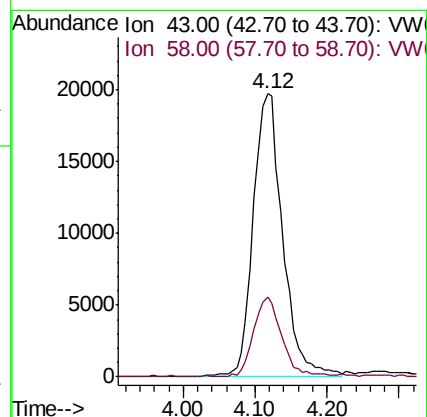
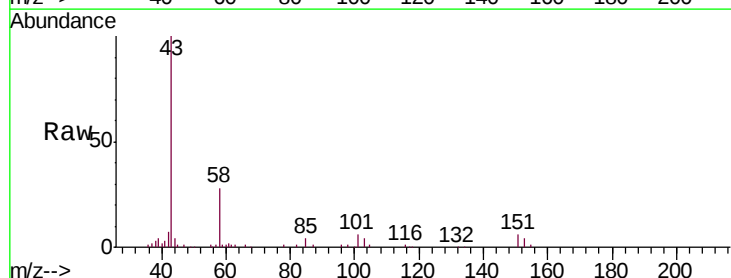
Acq: 30 Aug 2019 23:28

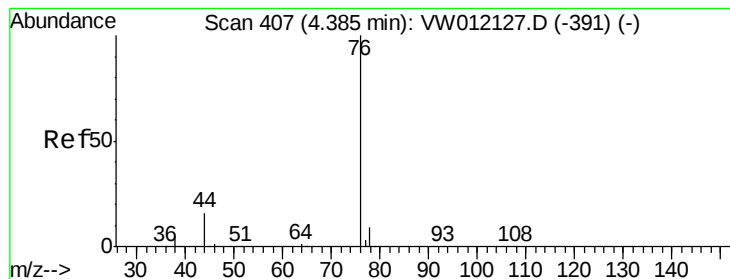
Tgt Ion: 43 Resp: 56303

Ion Ratio Lower Upper

43 100

58 28.3 22.4 33.6





#17

Carbon Disulfide

Concen: 16.135 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

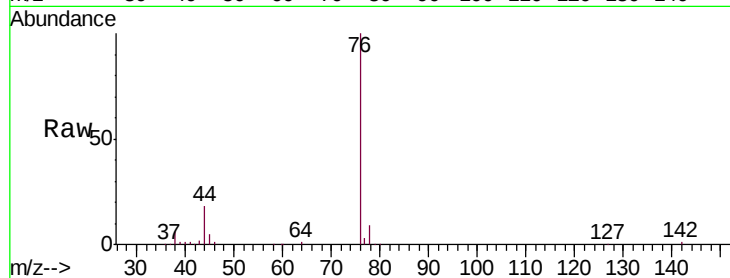
VW0830SBS02

Tgt Ion: 76 Resp: 90777

Ion Ratio Lower Upper

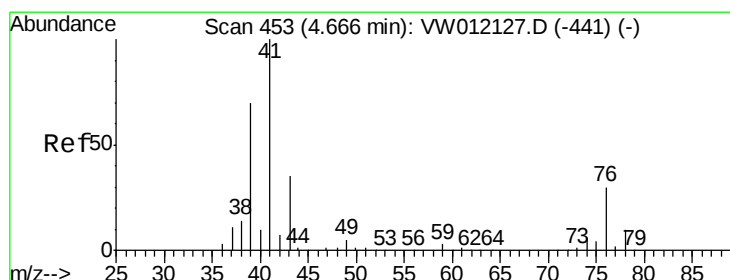
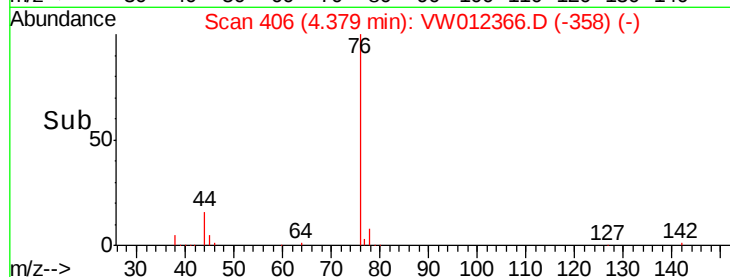
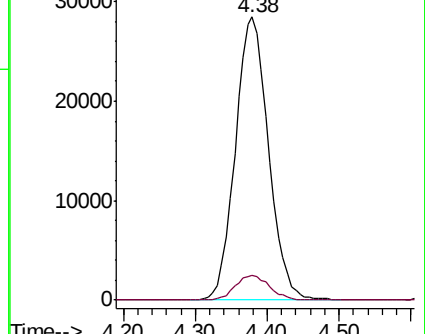
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 27.529 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012366.D

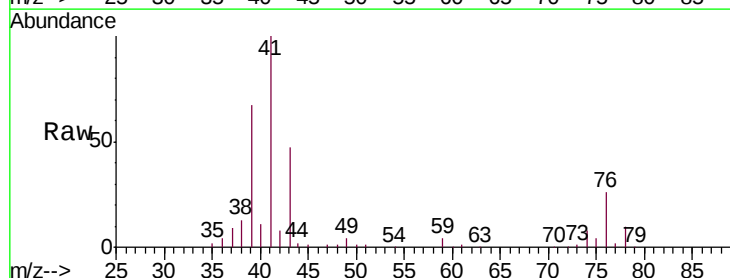
Acq: 30 Aug 2019 23:28

Tgt Ion: 43 Resp: 38452

Ion Ratio Lower Upper

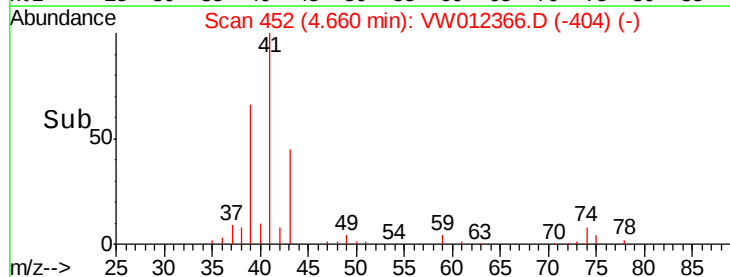
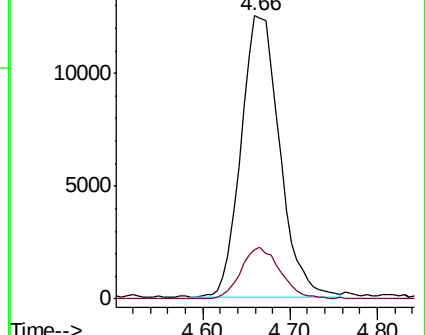
43 100

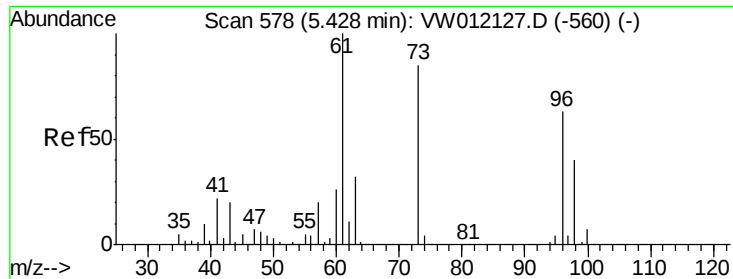
74 18.5 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

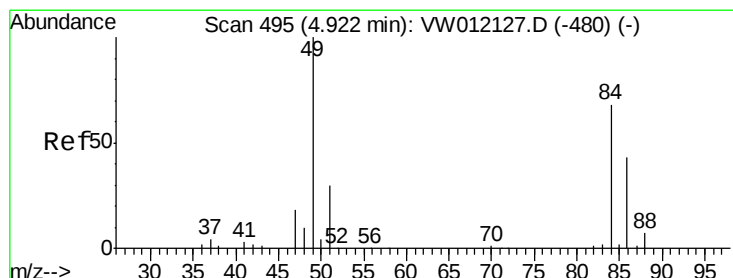
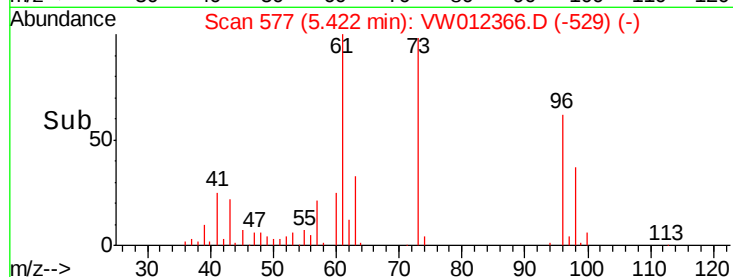
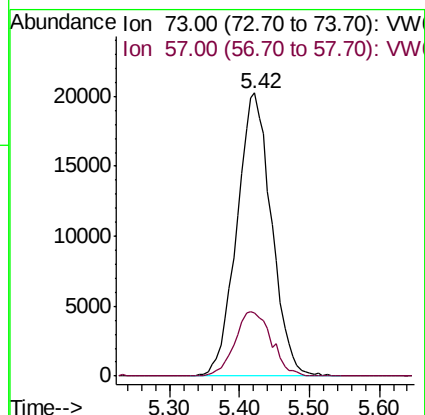
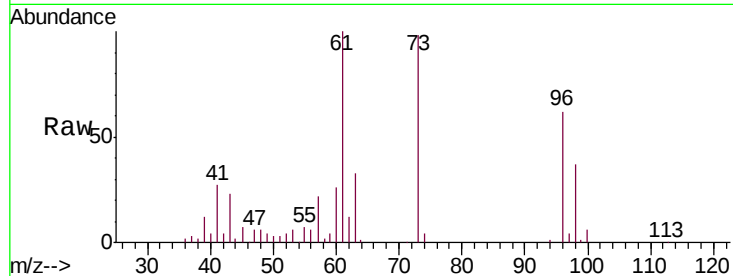




#19
Methyl tert-butyl Ether
Concen: 23.131 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

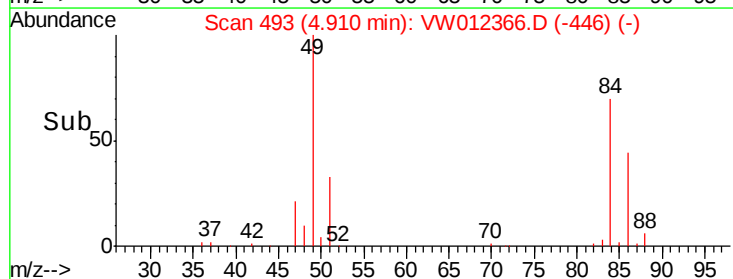
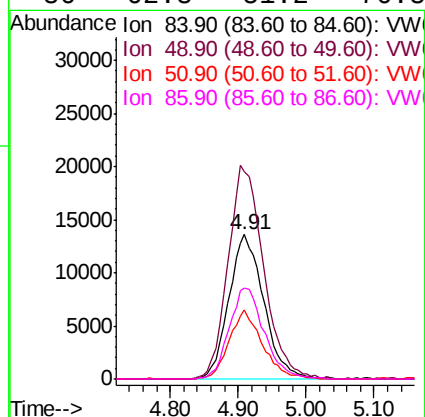
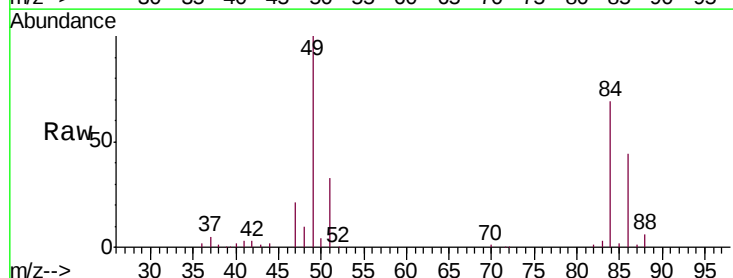
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

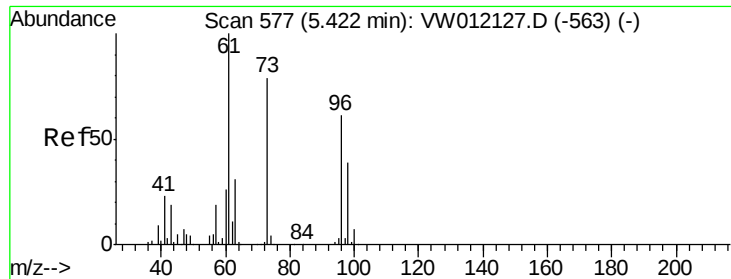
Tgt Ion: 73 Resp: 69634
Ion Ratio Lower Upper
73 100
57 22.5 18.9 28.3



#20
Methylene Chloride
Concen: 22.768 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion: 84 Resp: 48540
Ion Ratio Lower Upper
84 100
49 144.0 117.8 176.8
51 47.6 35.6 53.4
86 62.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.932 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

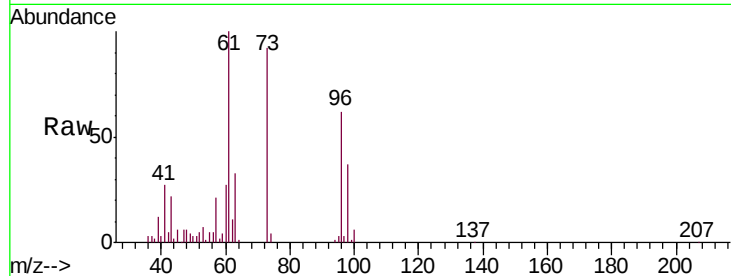
Tgt Ion: 96 Resp: 39788

Ion Ratio Lower Upper

96 100

61 162.5 131.4 197.0

98 60.4 51.4 77.0

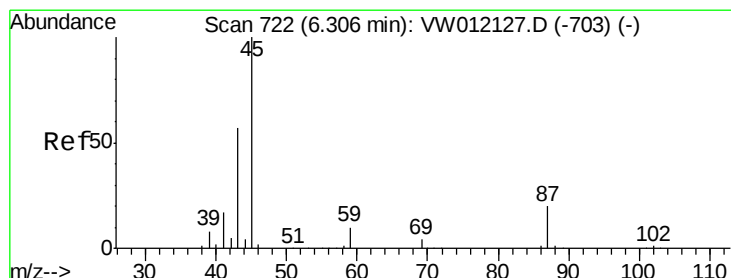
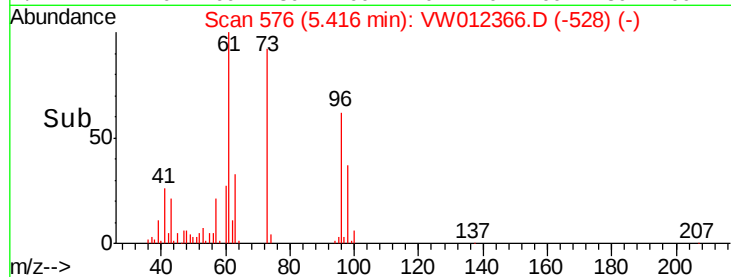
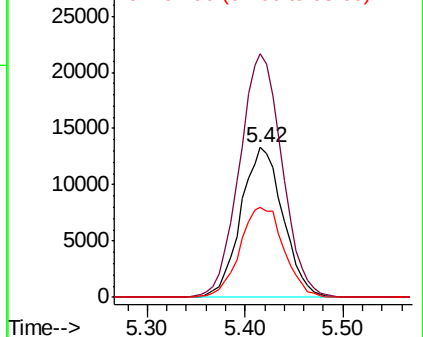


Abundance

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: 22.961 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Tgt Ion: 45 Resp: 169380

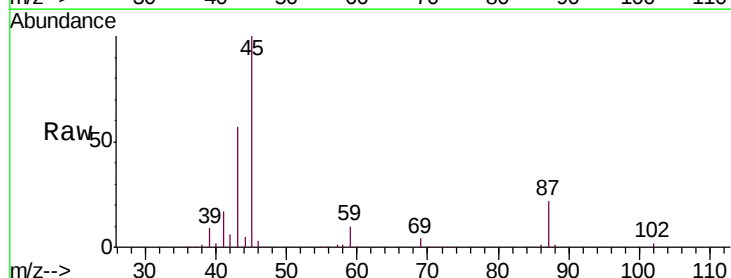
Ion Ratio Lower Upper

45 100

43 56.3 45.5 68.3

87 21.9 16.1 24.1

59 10.1 8.2 12.2



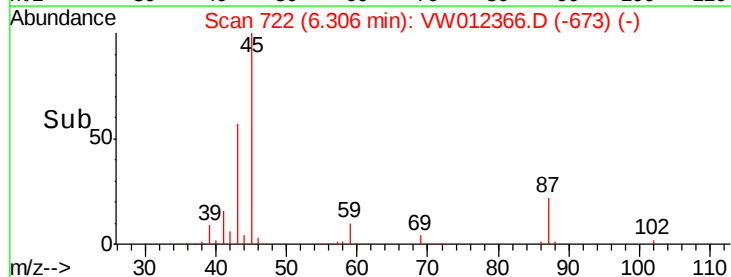
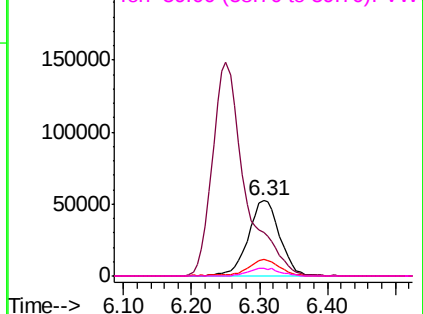
Abundance

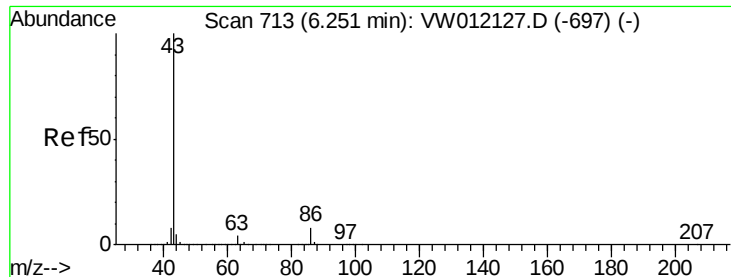
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 108.960 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

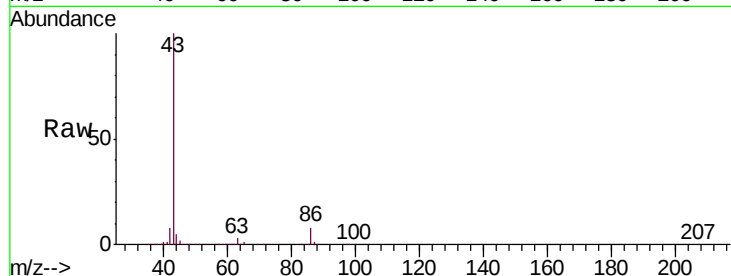
VW0830SBS02

Tgt Ion: 43 Resp: 494651

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

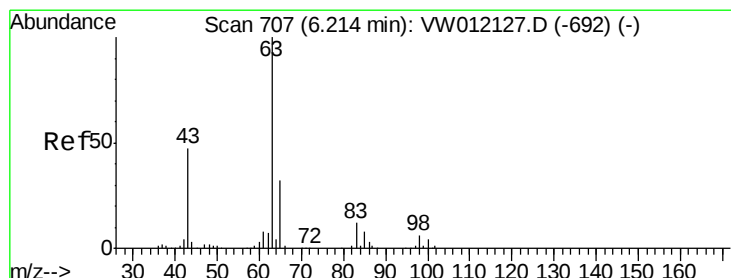
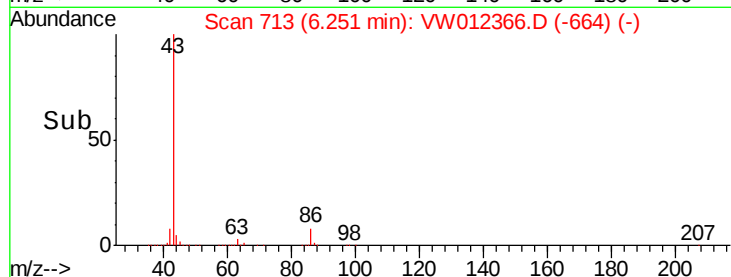
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.734 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

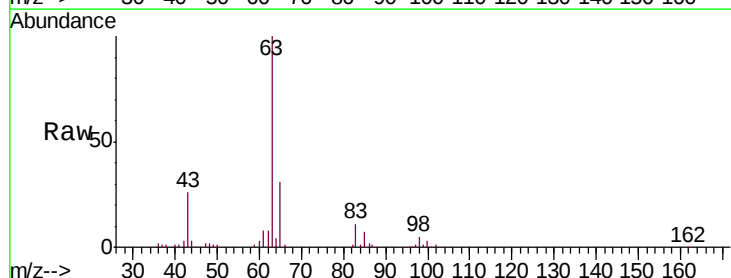
Tgt Ion: 63 Resp: 87293

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

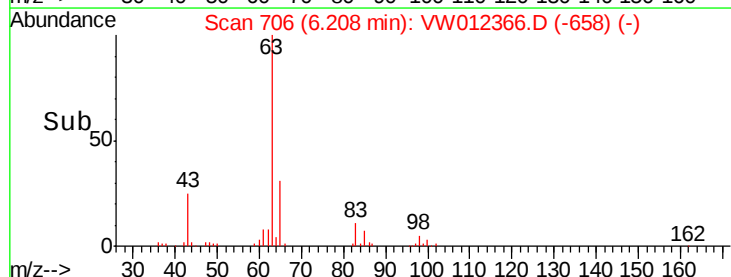
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 111.174 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

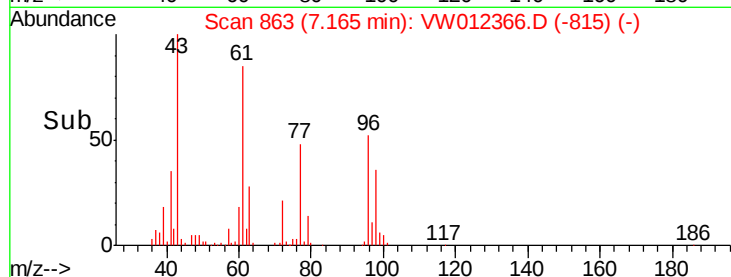
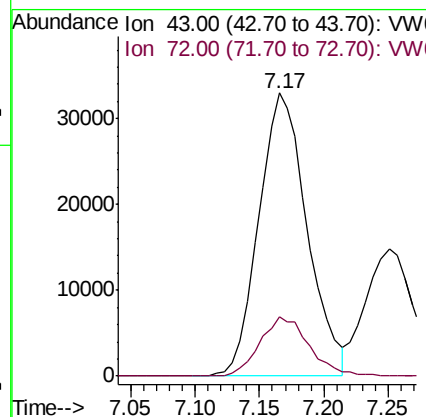
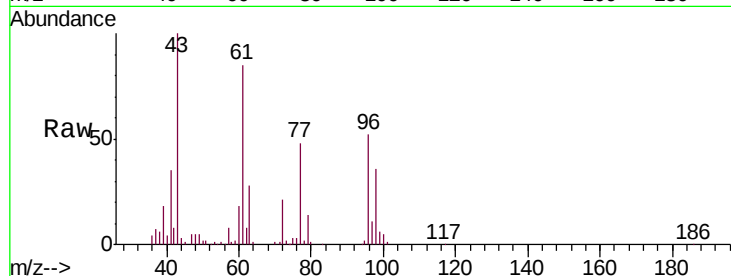
VW0830SBS02

Tgt Ion: 43 Resp: 85197

Ion Ratio Lower Upper

43 100

72 20.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.790 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012366.D

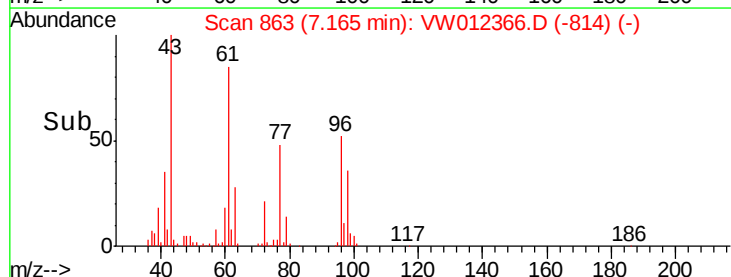
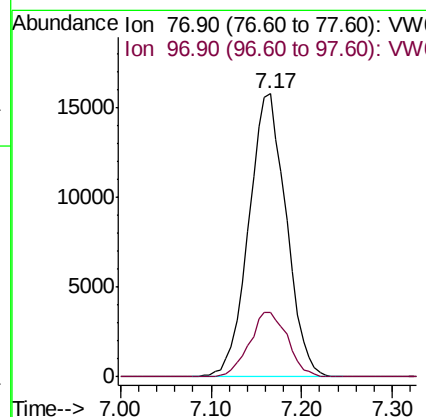
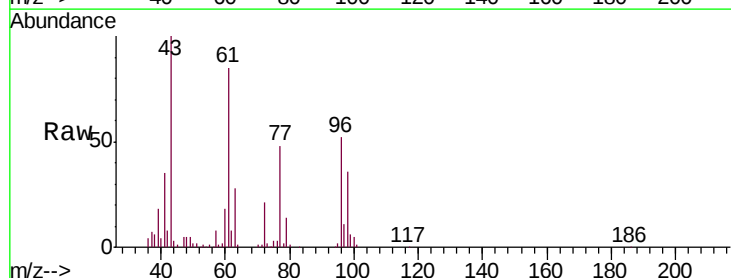
Acq: 30 Aug 2019 23:28

Tgt Ion: 77 Resp: 44991

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.1



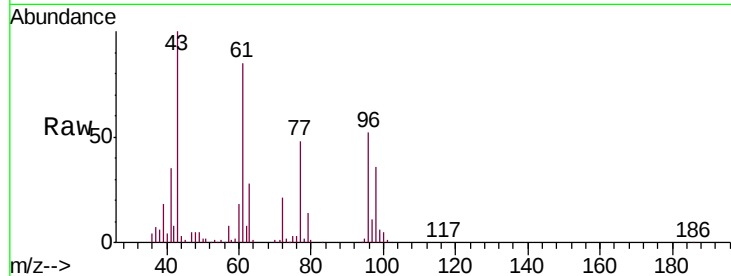


#27

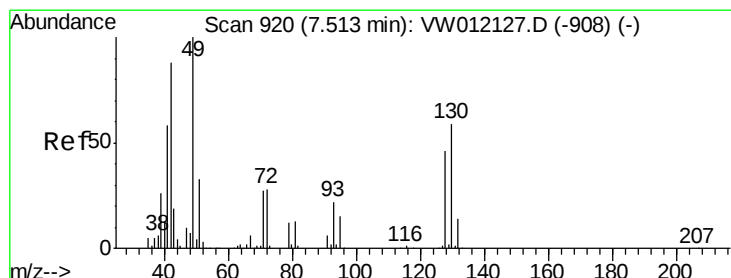
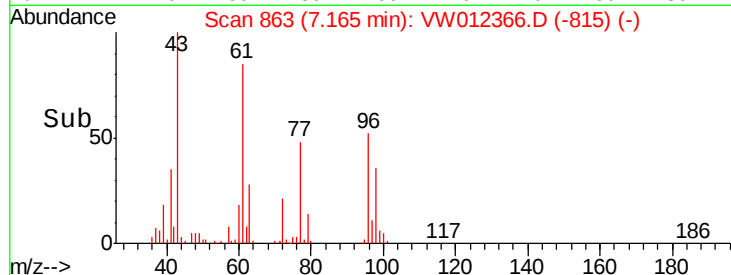
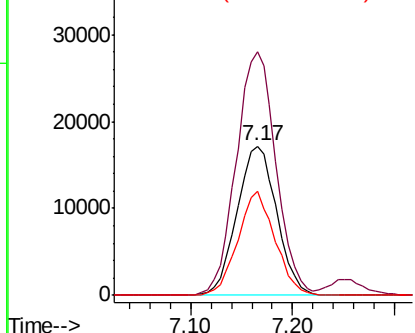
cis-1,2-Dichloroethene
Concen: 21.766 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

Tgt Ion: 96 Resp: 46422
Ion Ratio Lower Upper
96 100
61 163.2 0.0 326.6
98 64.9 0.0 127.4



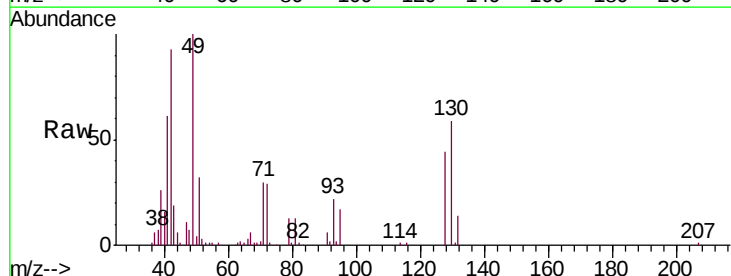
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



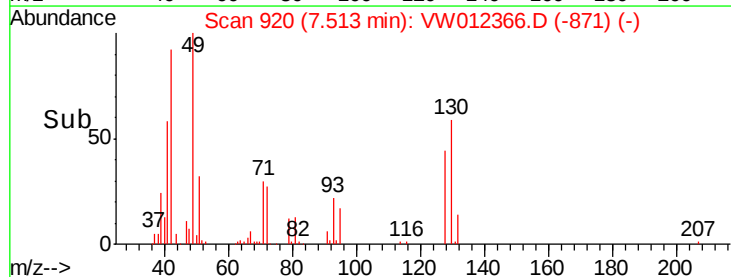
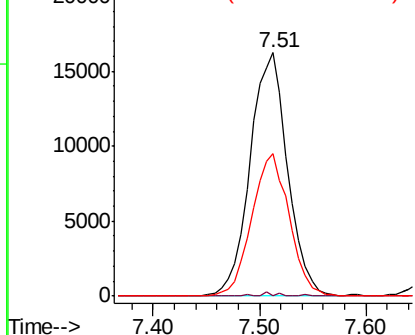
#28

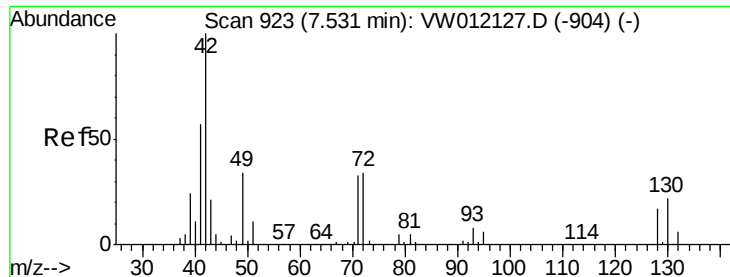
Bromochloromethane
Concen: 22.856 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion: 49 Resp: 40011
Ion Ratio Lower Upper
49 100
129 0.5 0.0 1.4
130 58.5 45.5 68.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

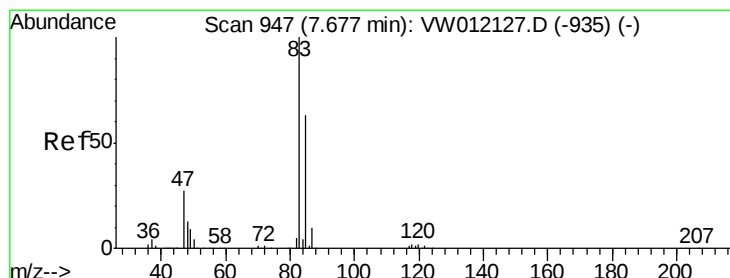
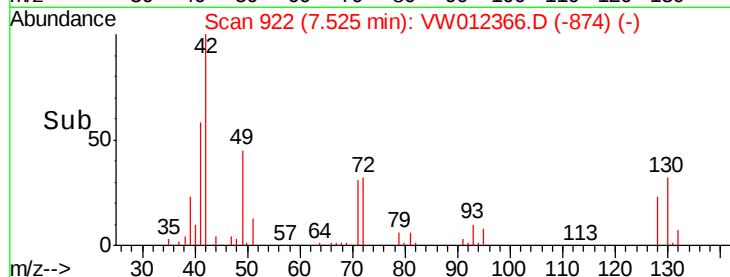
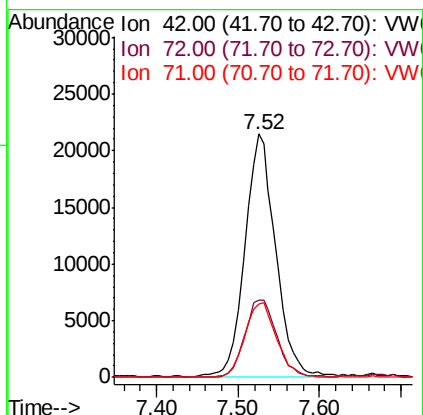
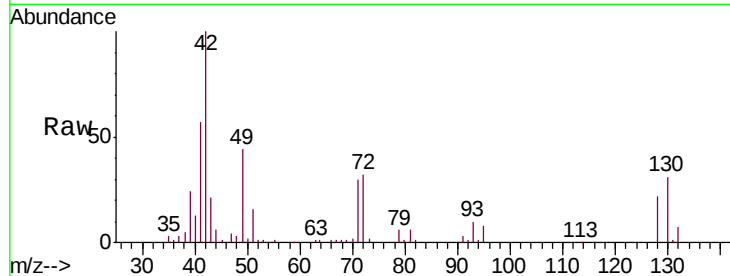




#29
Tetrahydrofuran
Concen: 121.449 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

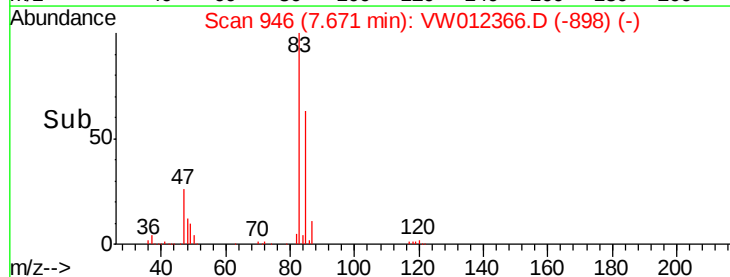
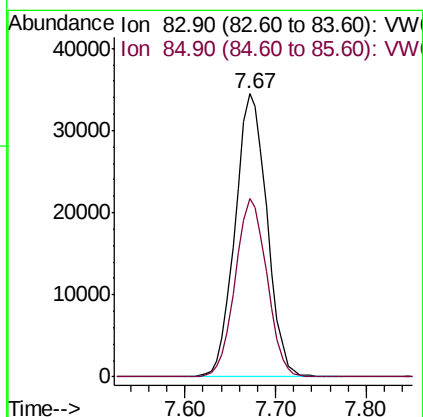
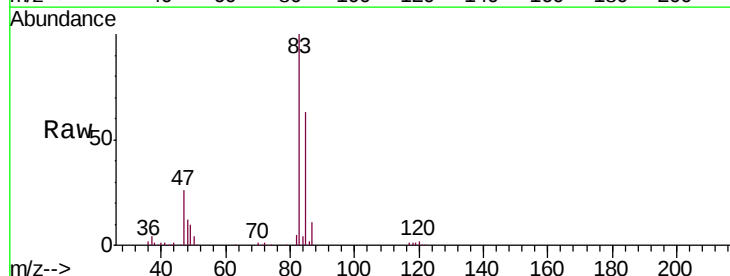
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

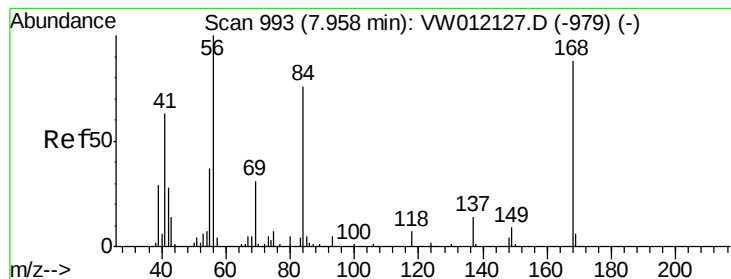
Tgt Ion: 42 Resp: 55839
Ion Ratio Lower Upper
42 100
72 33.4 27.3 40.9
71 32.0 25.5 38.3



#30
Chloroform
Concen: 22.863 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion: 83 Resp: 84013
Ion Ratio Lower Upper
83 100
85 63.0 50.6 76.0





#31

Cyclohexane

Concen: 18.089 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampled :

VW0830SBS02

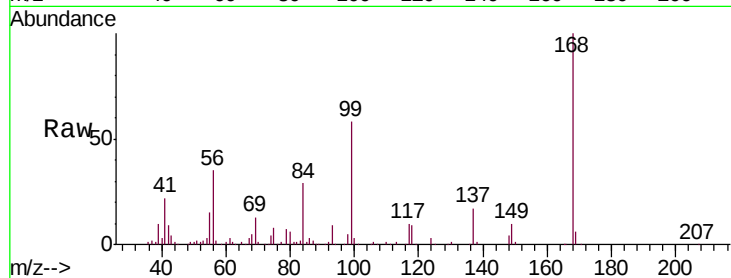
Tgt Ion: 56 Resp: 71880

Ion Ratio Lower Upper

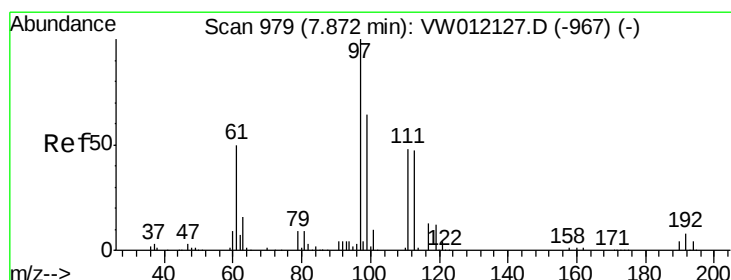
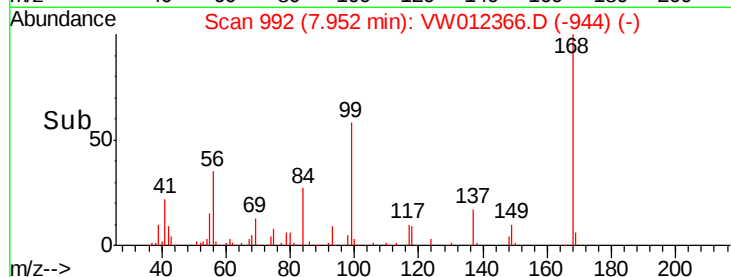
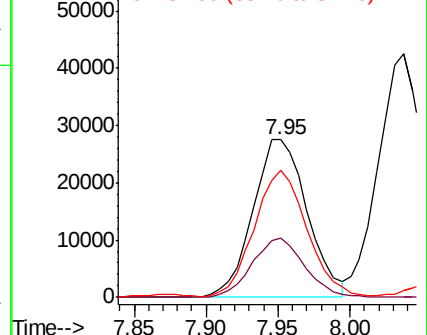
56 100

69 37.6 24.9 37.3#

84 79.7 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 21.402 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

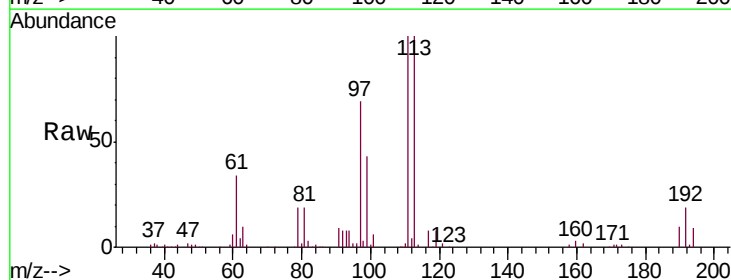
Tgt Ion: 97 Resp: 62215

Ion Ratio Lower Upper

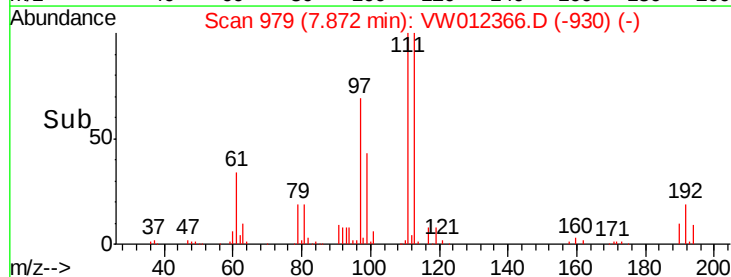
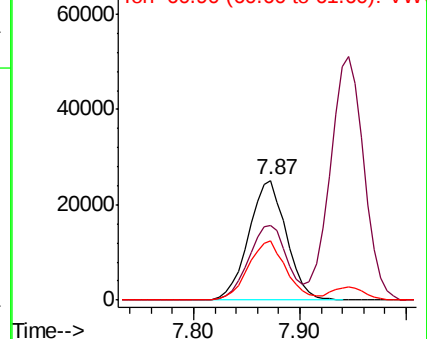
97 100

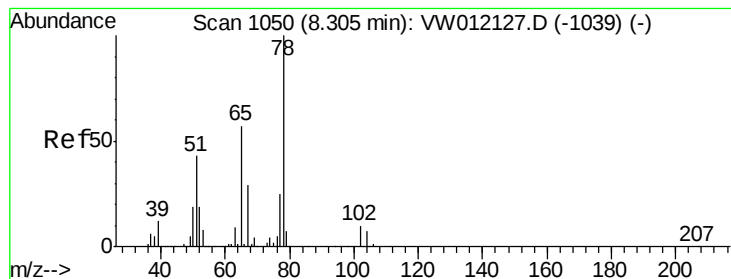
99 64.1 51.4 77.0

61 49.8 39.5 59.3



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





#33

1,2-Dichloroethane-d4

Concen: 57.476 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

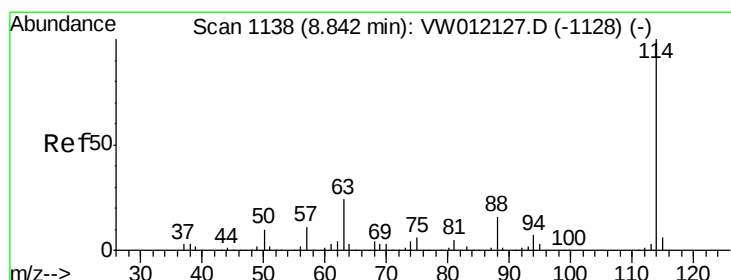
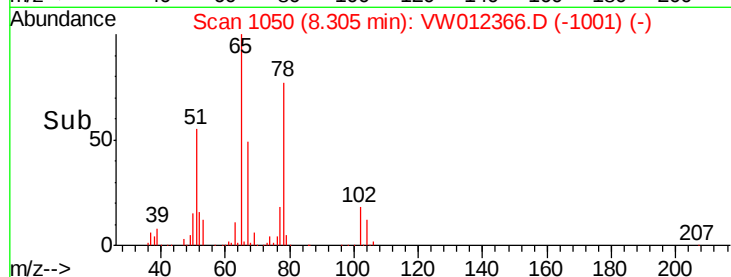
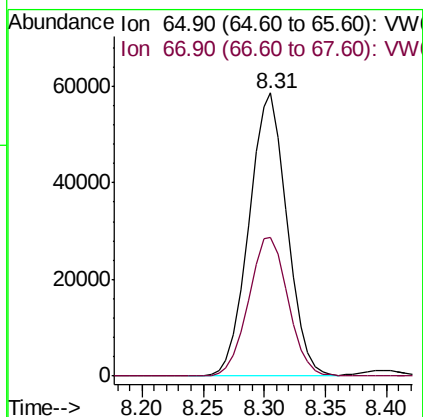
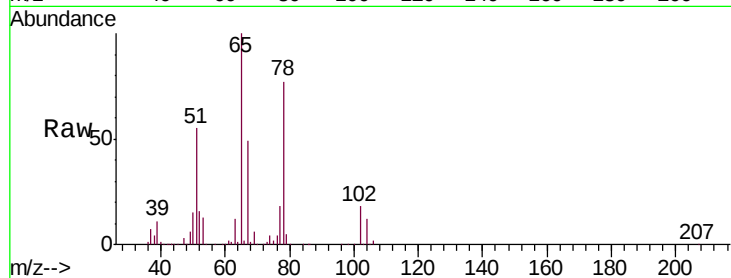
VW0830SBS02

Tgt Ion: 65 Resp: 126803

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

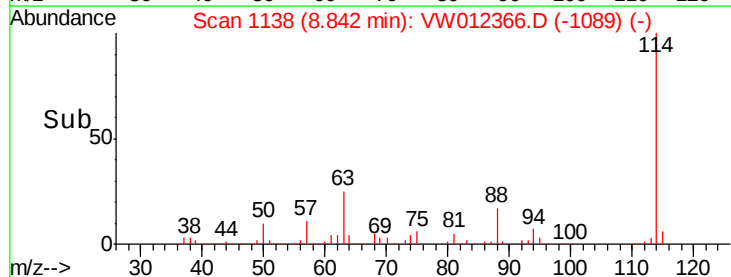
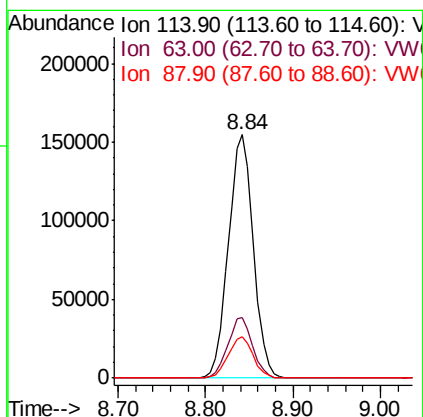
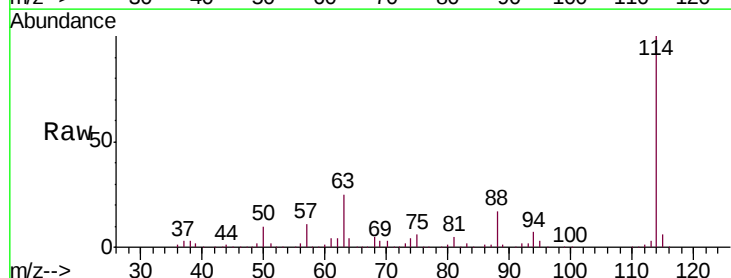
Tgt Ion: 114 Resp: 305970

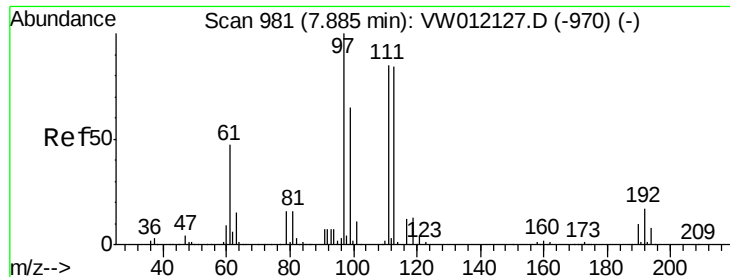
Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.6

88 16.9 0.0 32.2

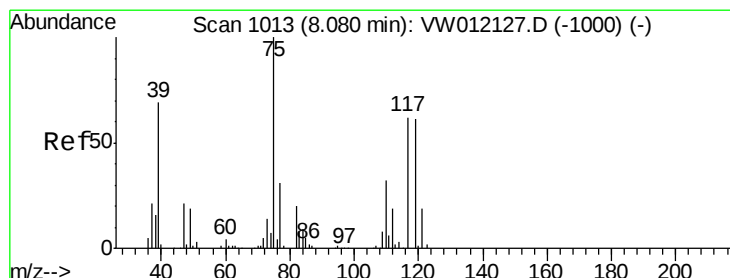
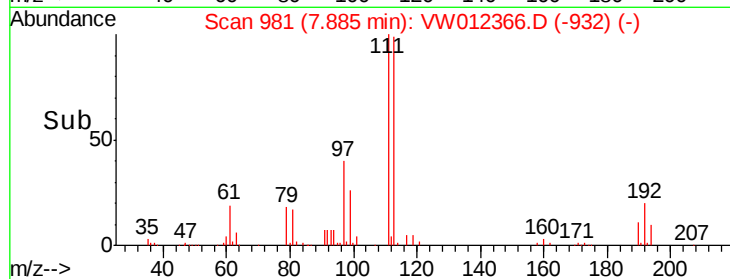
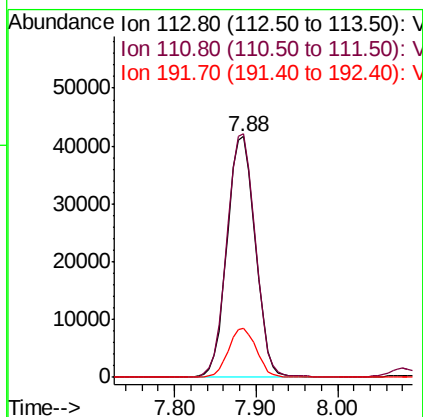
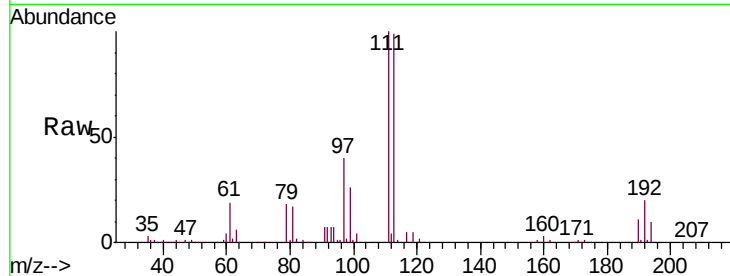




#35
 Dibromofluoromethane
 Concen: 54.421 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

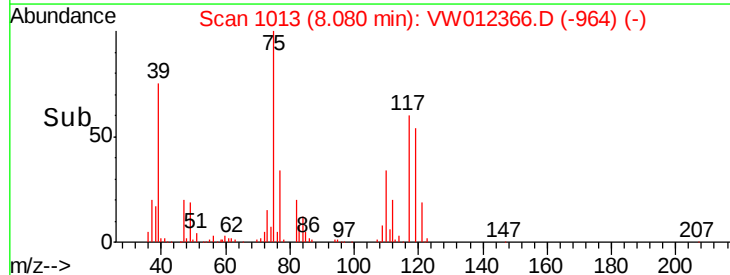
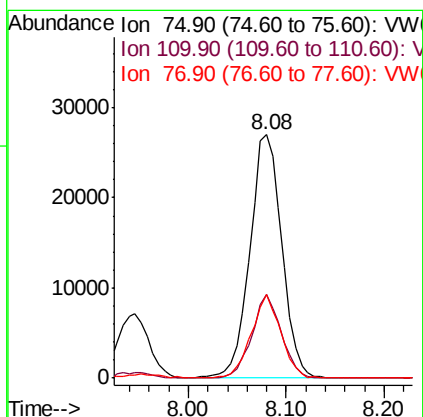
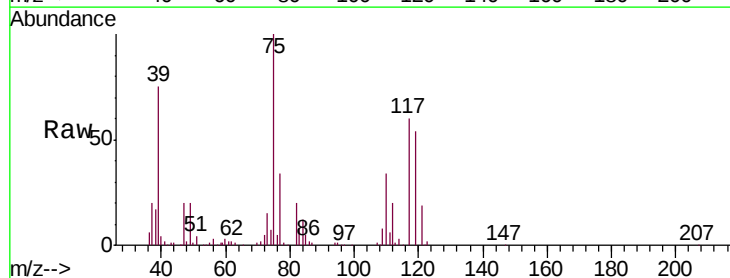
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

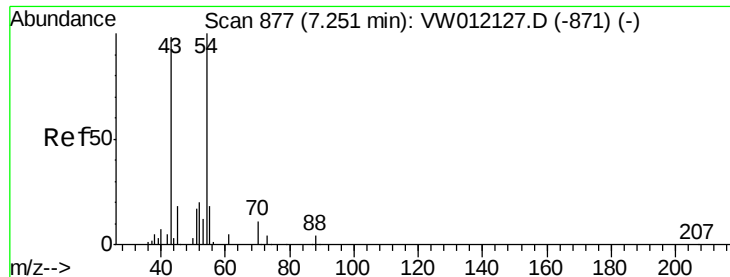
Tgt Ion: 113 Resp: 99392
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.7 124.1
 192 20.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 19.377 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion: 75 Resp: 61268
 Ion Ratio Lower Upper
 75 100
 110 31.9 15.6 46.8
 77 32.0 24.6 36.8

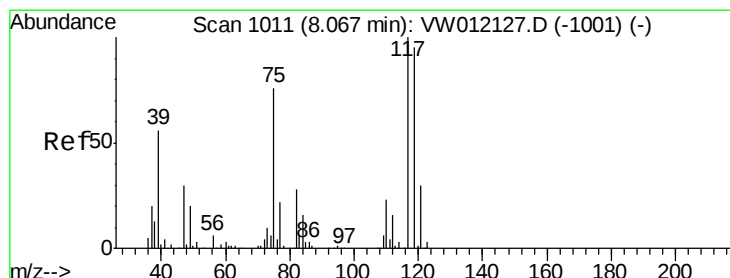
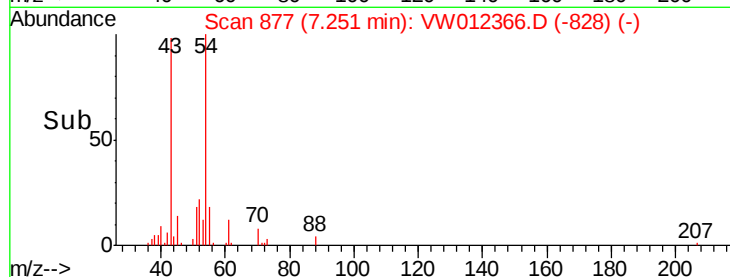
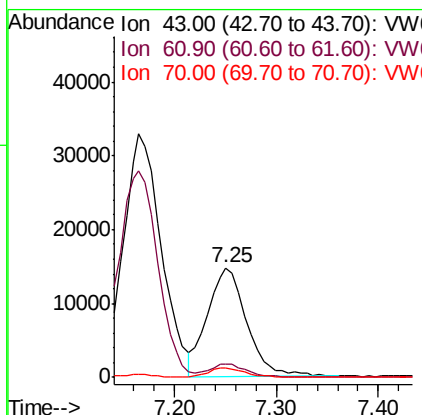
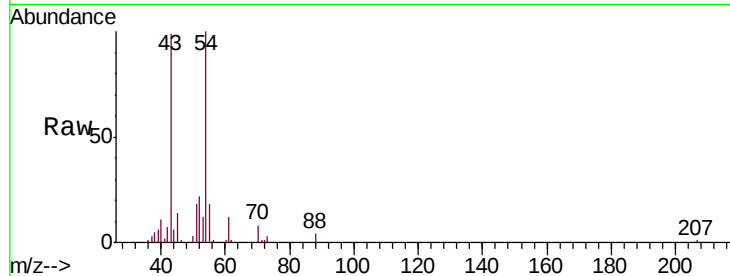




#37
Ethyl Acetate
Concen: 22.474 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

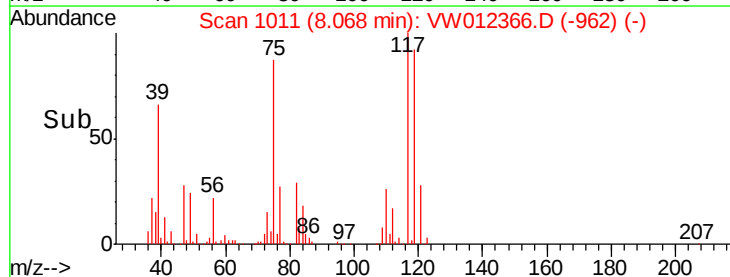
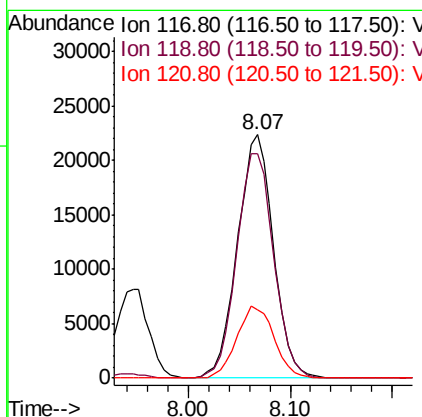
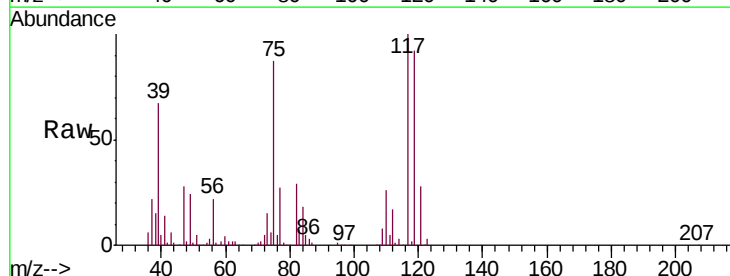
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

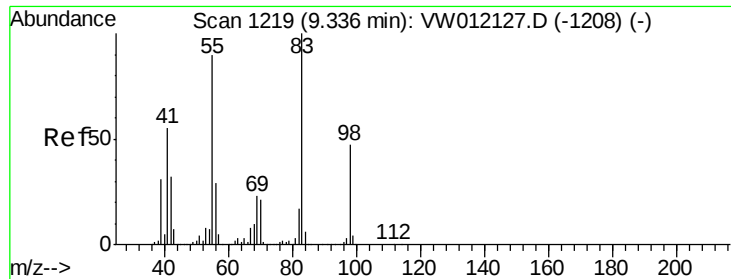
Tgt Ion: 43 Resp: 38939
Ion Ratio Lower Upper
43 100
61 11.7 9.2 13.8
70 8.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 20.003 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion: 117 Resp: 54740
Ion Ratio Lower Upper
117 100
119 91.9 76.2 114.2
121 28.3 23.8 35.8

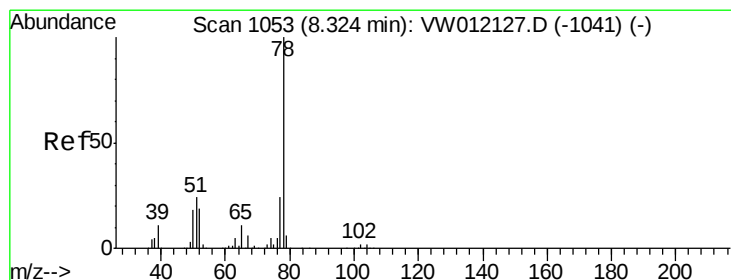
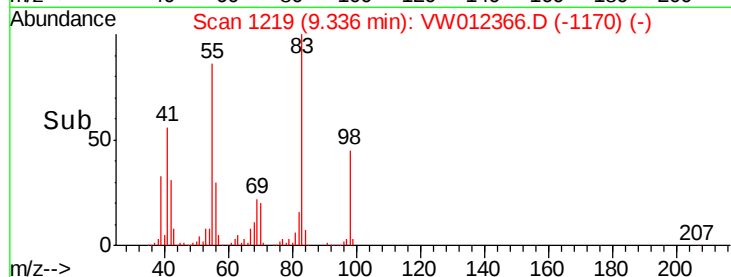
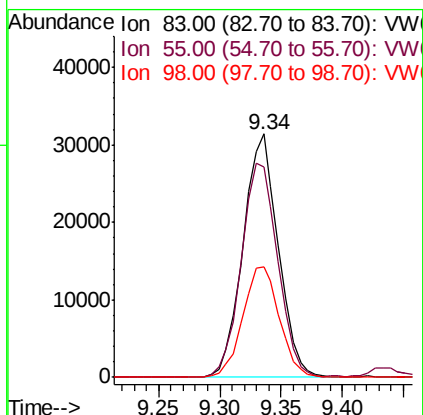
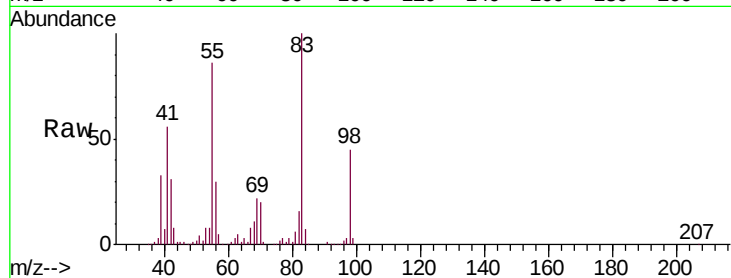




#39
Methylcyclohexane
Concen: 17.682 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

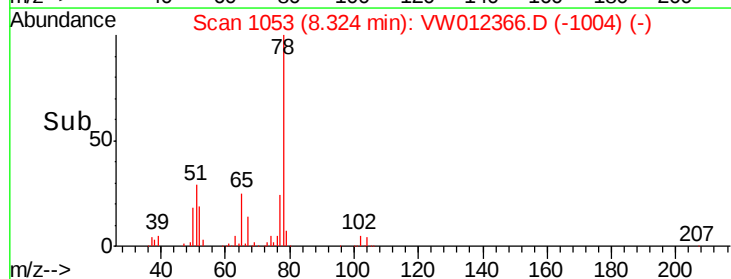
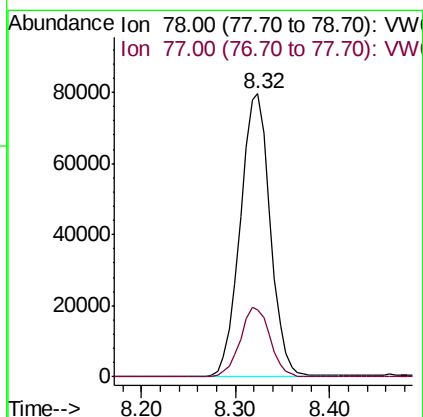
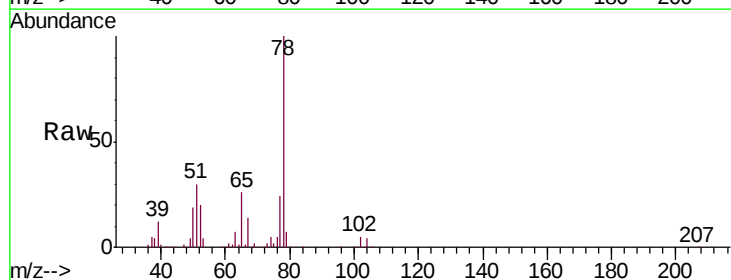
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

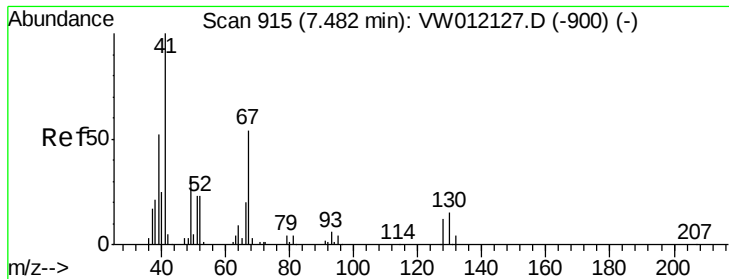
Tgt Ion: 83 Resp: 62808
Ion Ratio Lower Upper
83 100
55 86.3 71.8 107.8
98 45.2 37.8 56.8



#40
Benzene
Concen: 20.660 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion: 78 Resp: 178371
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3

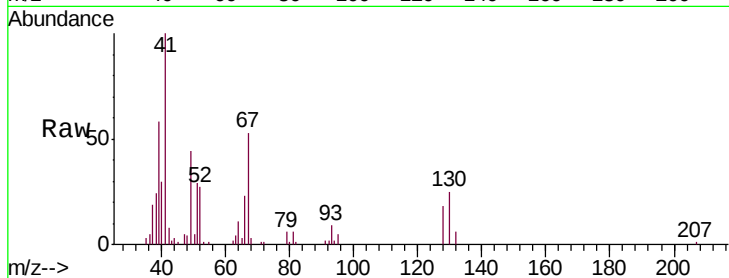




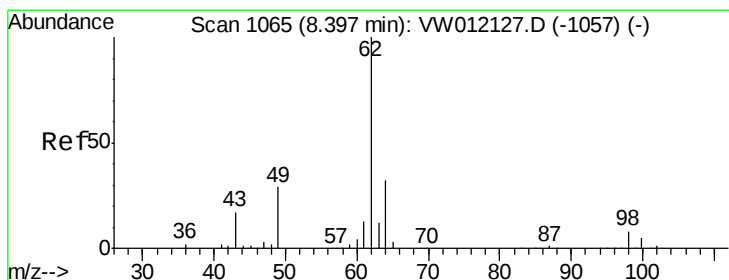
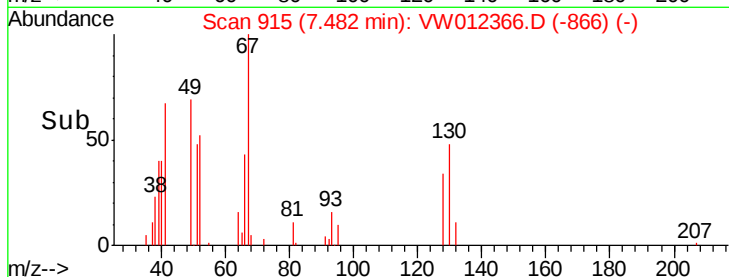
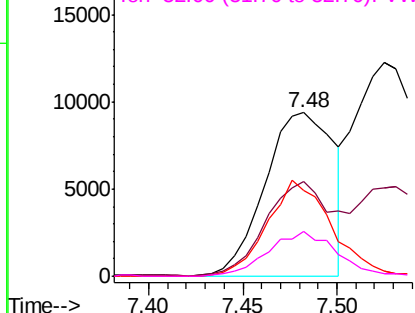
#41
Methacrylonitrile
Concen: 23.440 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

Tgt Ion:	41	Resp:	23870
Ion	Ratio	Lower	Upper
41	100		
39	59.8	45.8	68.8
67	55.2	46.2	69.4
52	27.2	21.0	31.6

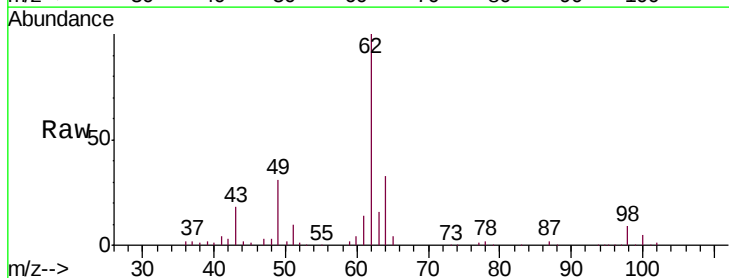


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

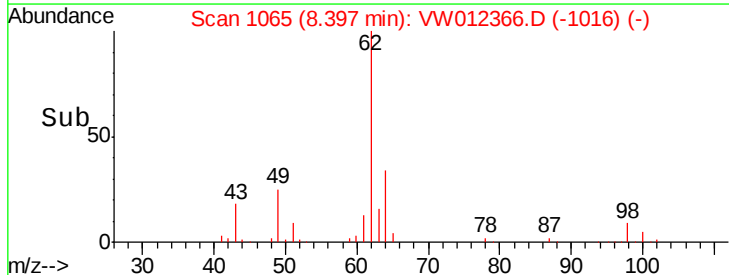
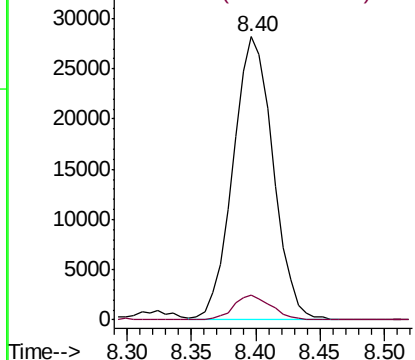


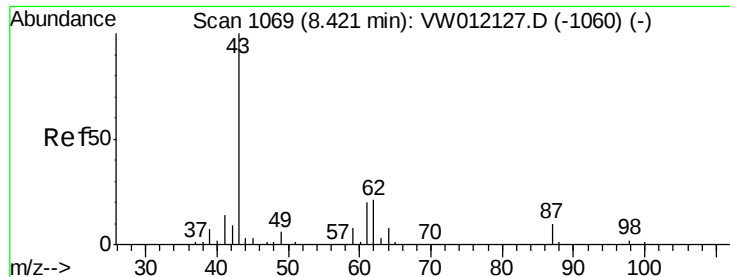
#42
1,2-Dichloroethane
Concen: 22.497 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion:	62	Resp:	60875
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 22.706 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

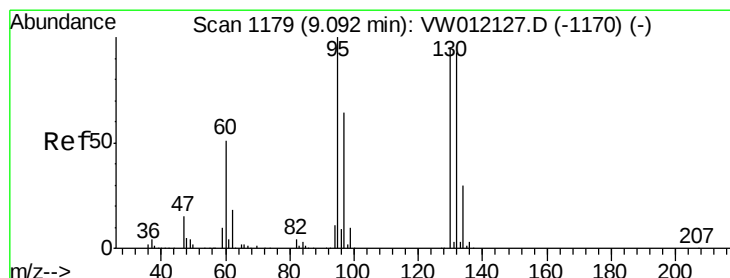
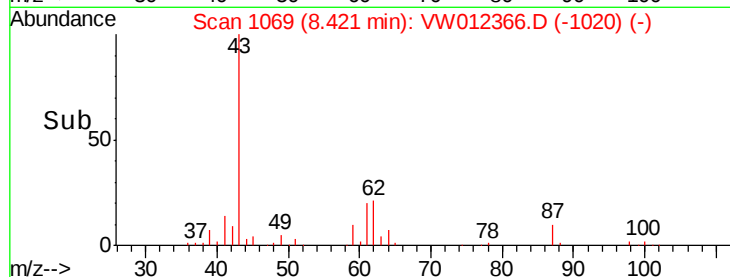
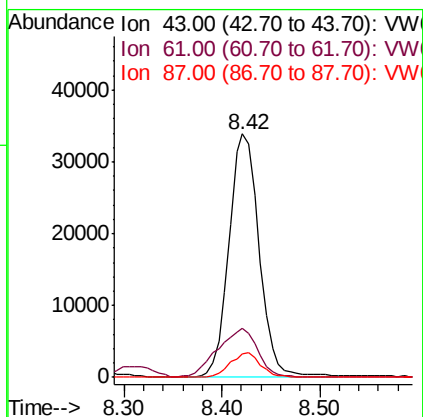
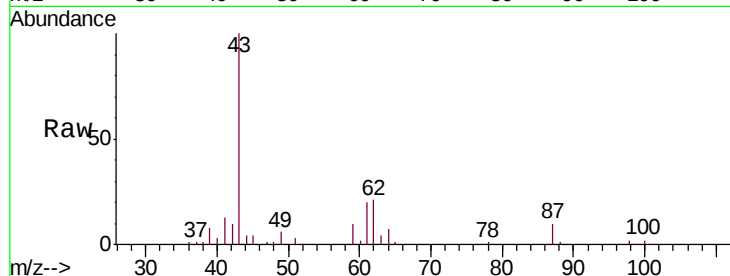
Tgt Ion: 43 Resp: 72873

Ion Ratio Lower Upper

43 100

61 26.7 21.1 31.7

87 10.1 8.2 12.2



#44

Trichloroethene

Concen: 20.443 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012366.D

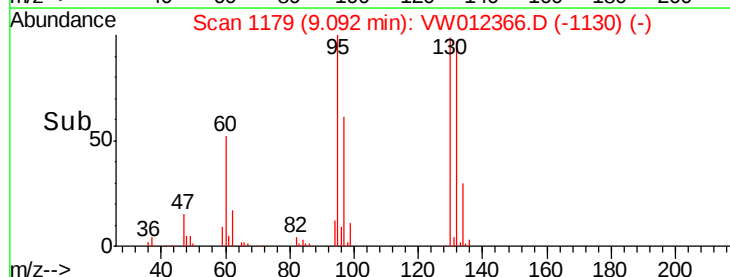
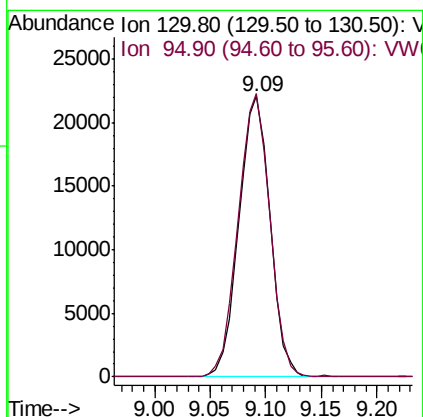
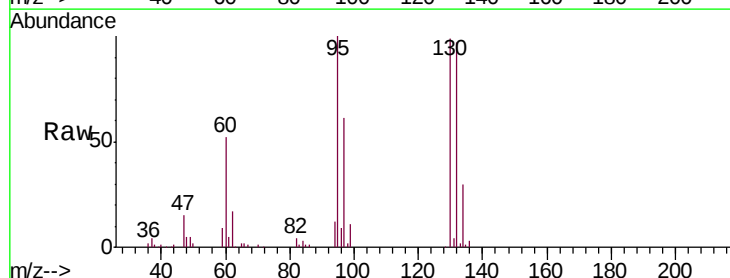
Acq: 30 Aug 2019 23:28

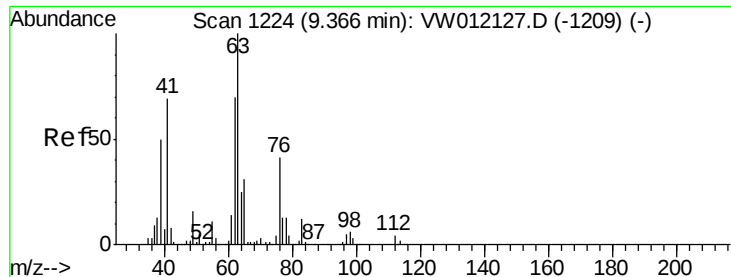
Tgt Ion: 130 Resp: 42906

Ion Ratio Lower Upper

130 100

95 101.0 0.0 210.6





#45

1,2-Dichloropropane

Concen: 21.913 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

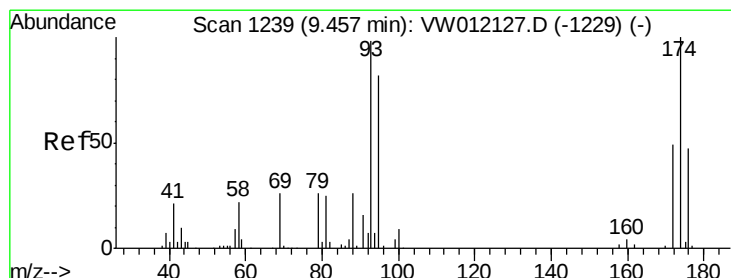
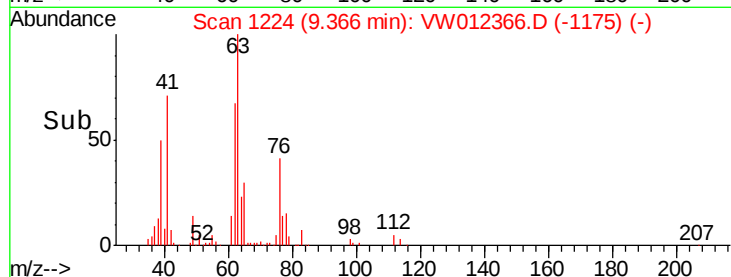
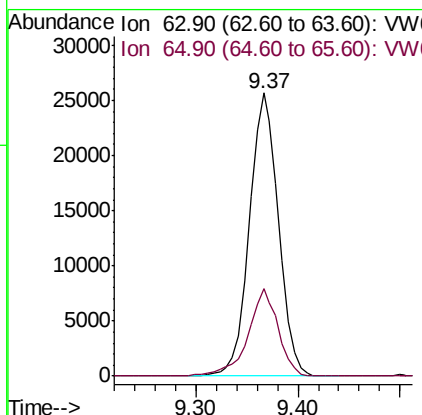
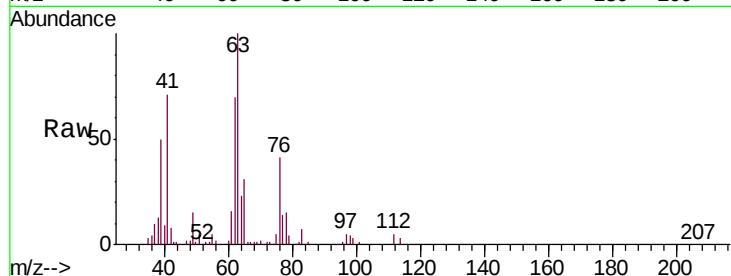
VW0830SBS02

Tgt Ion: 63 Resp: 50916

Ion Ratio Lower Upper

63 100

65 30.7 25.0 37.4



#46

Dibromomethane

Concen: 22.093 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

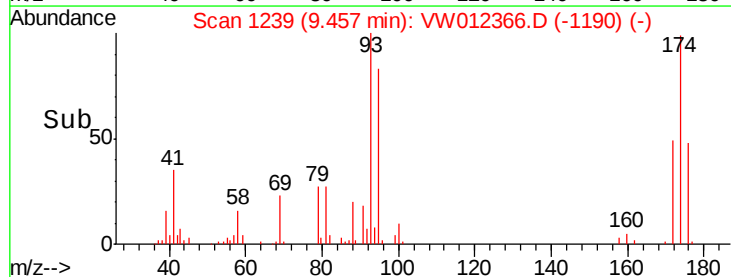
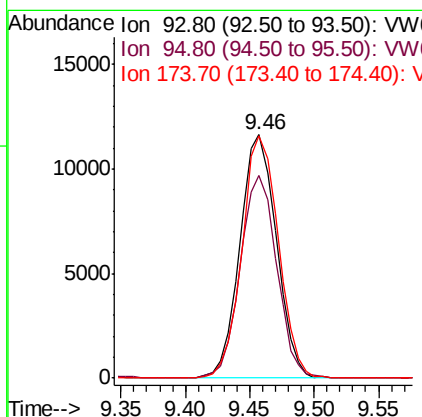
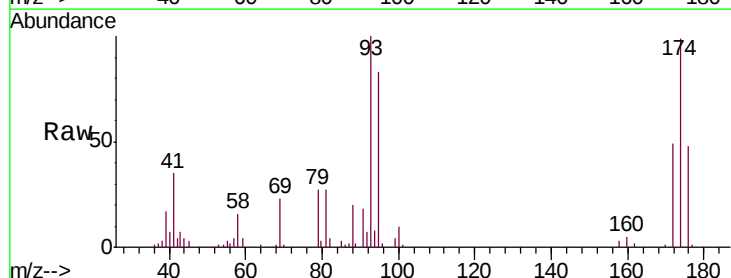
Tgt Ion: 93 Resp: 22840

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

174 99.3 79.0 118.6





#47

Bromodichloromethane

Concen: 21.718 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

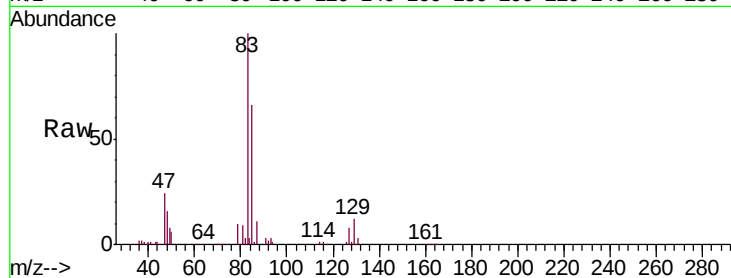
Tgt Ion: 83 Resp: 59756

Ion Ratio Lower Upper

83 100

85 65.8 49.4 74.2

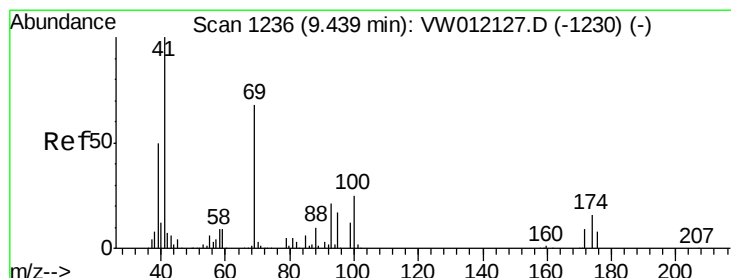
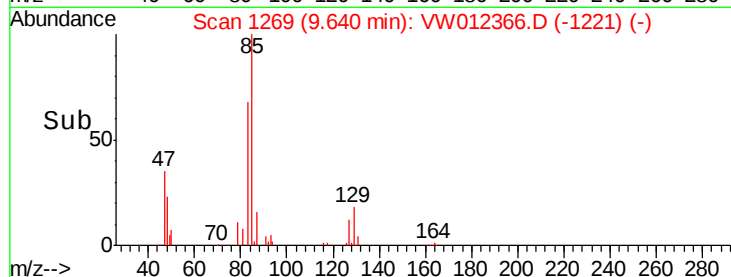
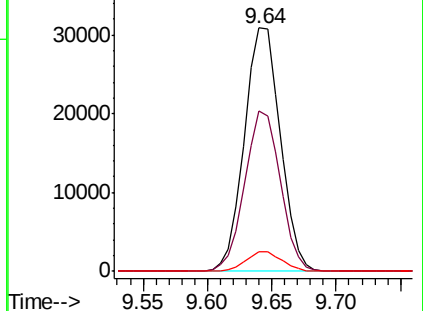
127 8.0 6.1 9.1



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: 22.924 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

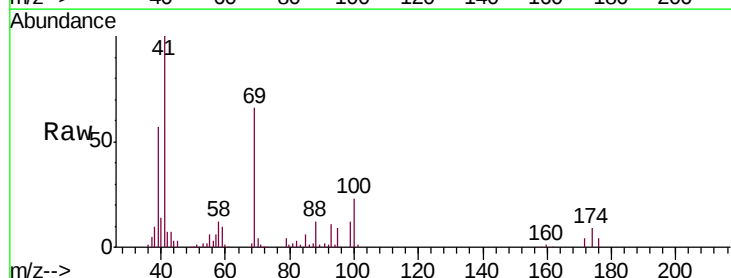
Tgt Ion: 41 Resp: 35016

Ion Ratio Lower Upper

41 100

69 69.2 56.7 85.1

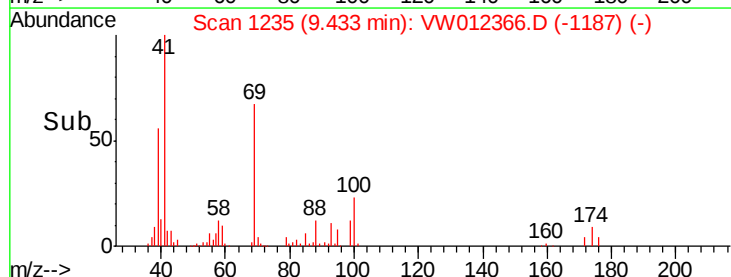
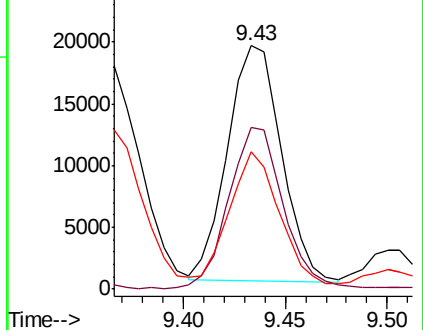
39 56.5 42.0 63.0

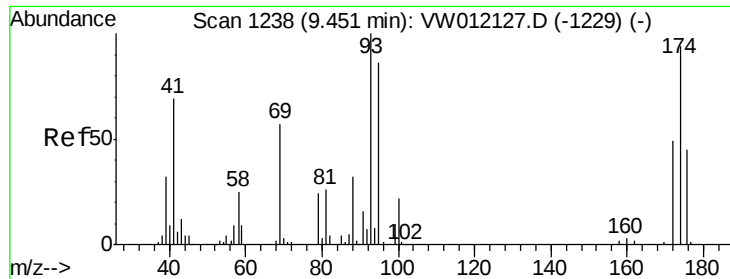


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

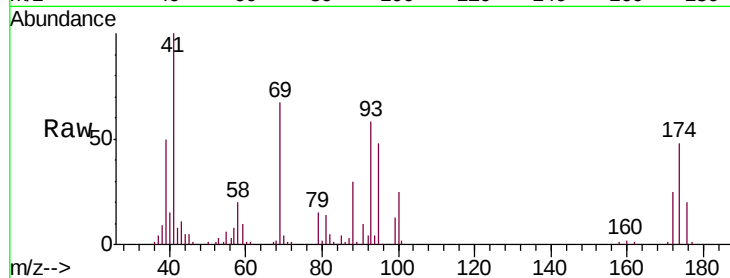




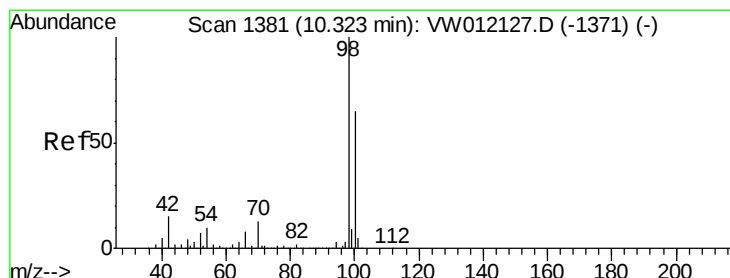
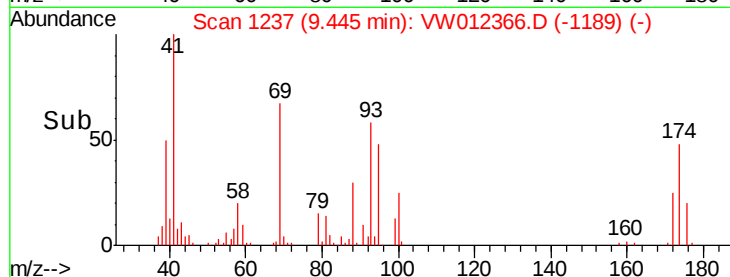
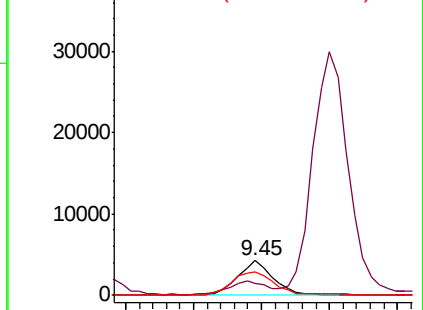
#49
 1,4-Dioxane
 Concen: 496.060 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

Tgt Ion: 88 Resp: 7851
 Ion Ratio Lower Upper
 88 100
 43 46.4 32.9 49.3
 58 80.8 71.0 106.4

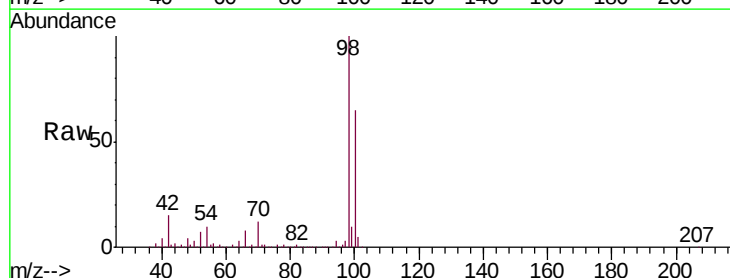


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

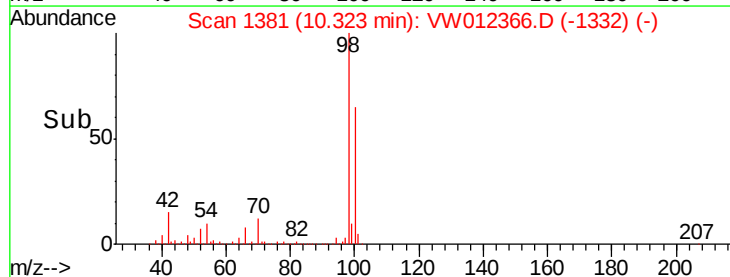
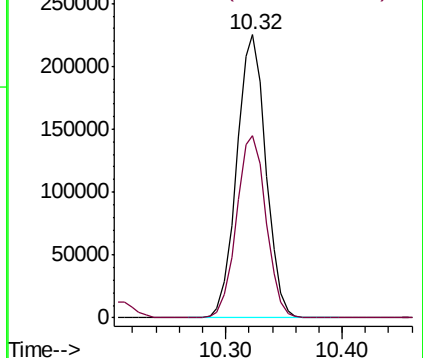


#50
 Toluene-d8
 Concen: 53.027 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion: 98 Resp: 392683
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.4 78.6



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

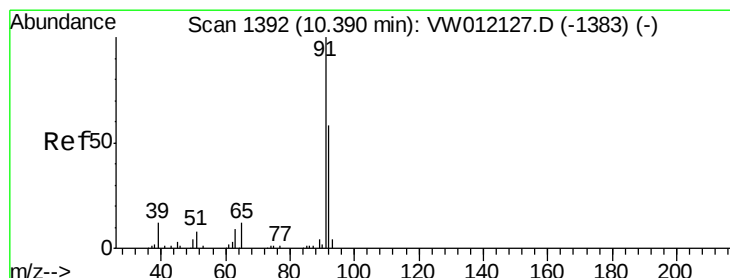
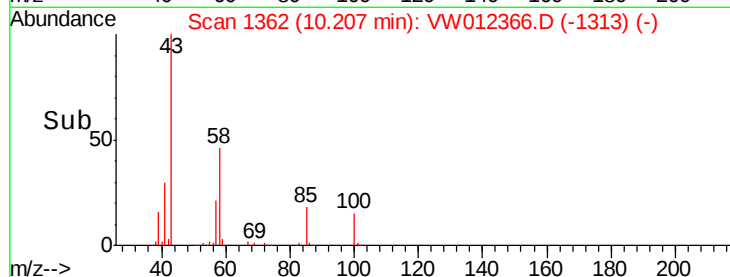
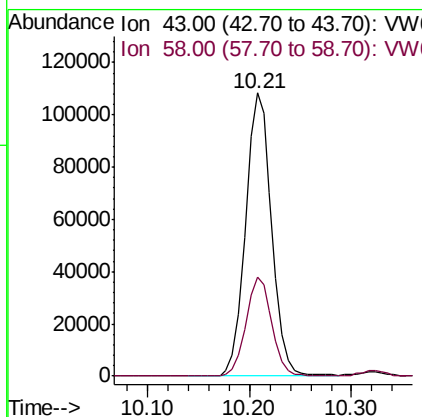
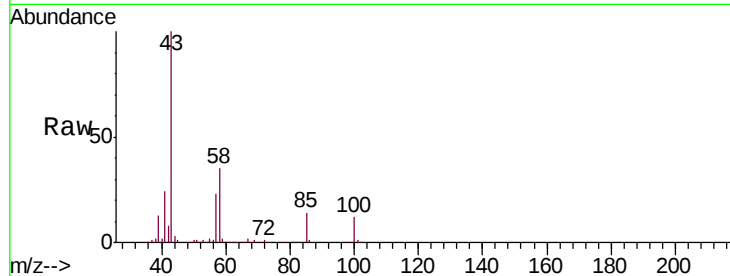




#51
 4-Methyl-2-Pentanone
 Concen: 117.338 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

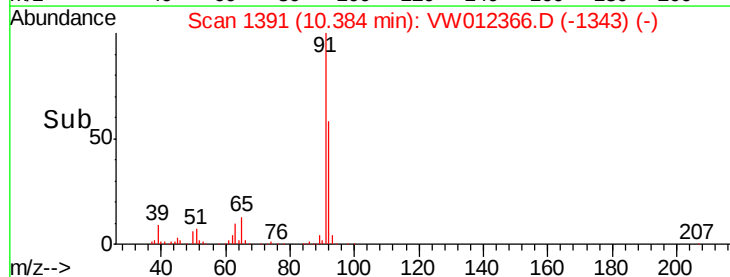
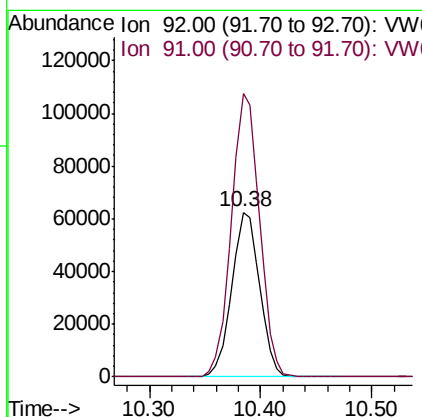
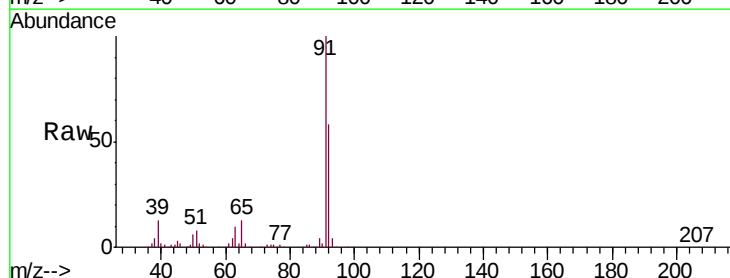
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

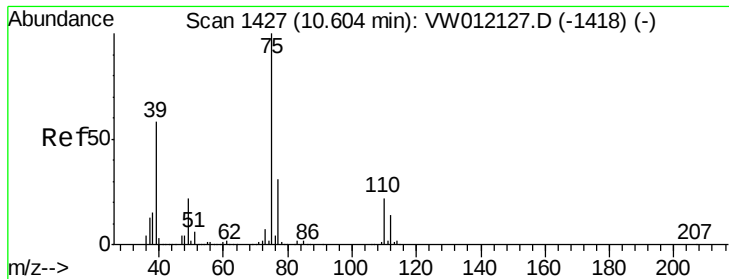
Tgt Ion: 43 Resp: 191543
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.2 42.2



#52
 Toluene
 Concen: 20.852 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion: 92 Resp: 108153
 Ion Ratio Lower Upper
 92 100
 91 173.7 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 21.049 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

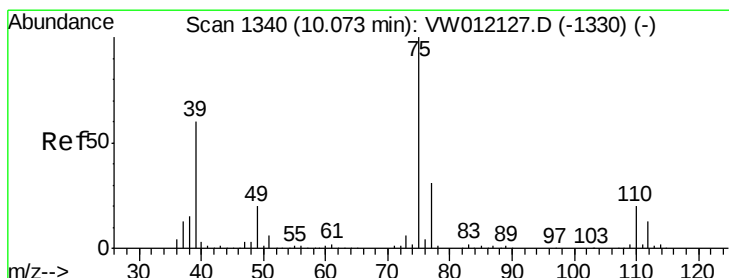
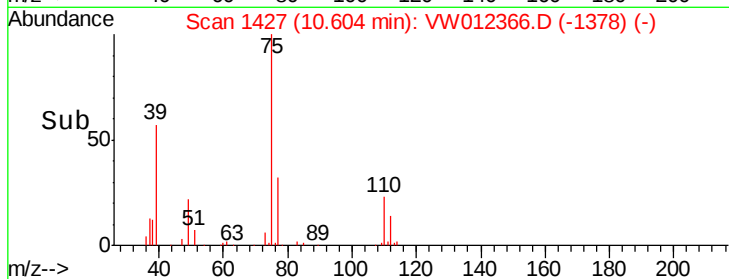
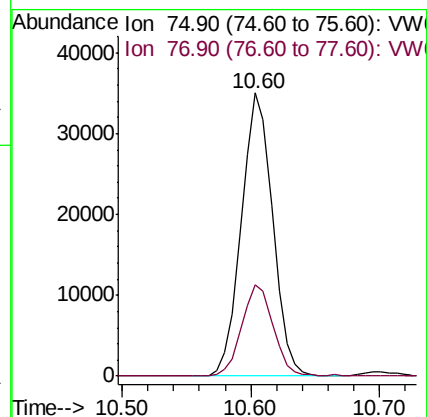
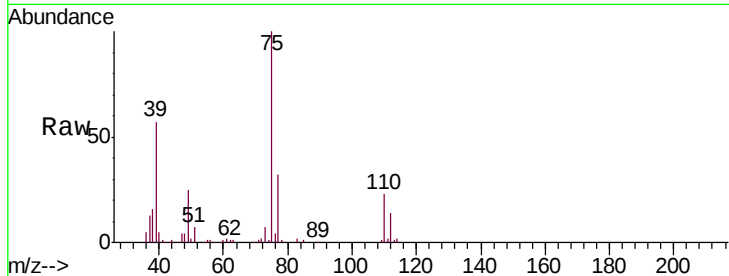
VW0830SBS02

Tgt Ion: 75 Resp: 58995

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.671 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

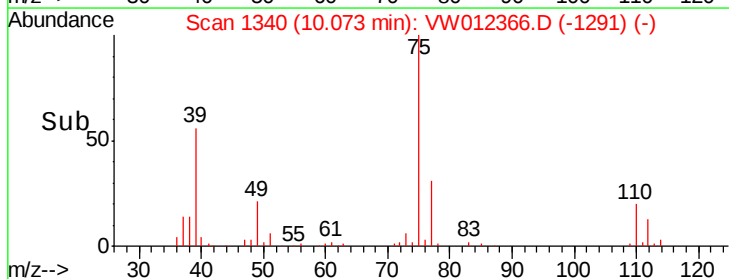
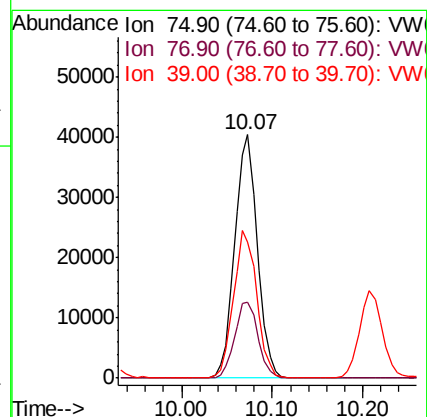
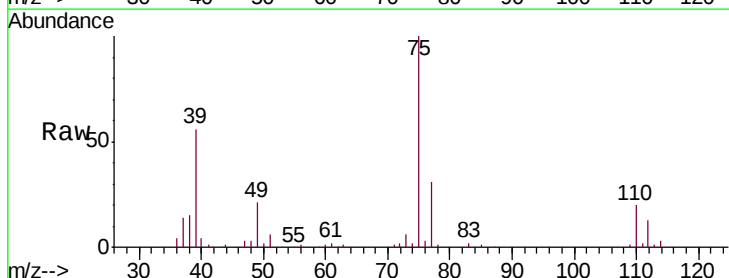
Tgt Ion: 75 Resp: 69954

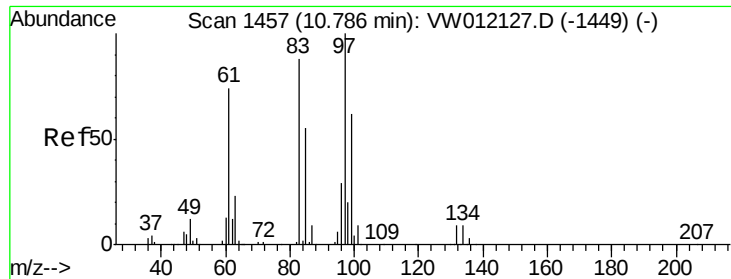
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 55.9 48.3 72.5

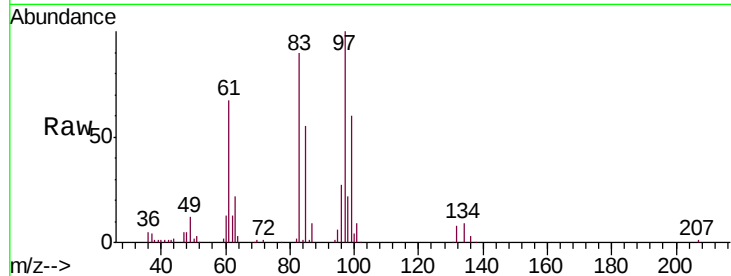




#55
 1,1,2-Trichloroethane
 Concen: 22.675 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

Tgt Ion:	97	Resp:	33168
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.8	106.2
85	54.8	43.8	65.8
99	60.4	49.8	74.6



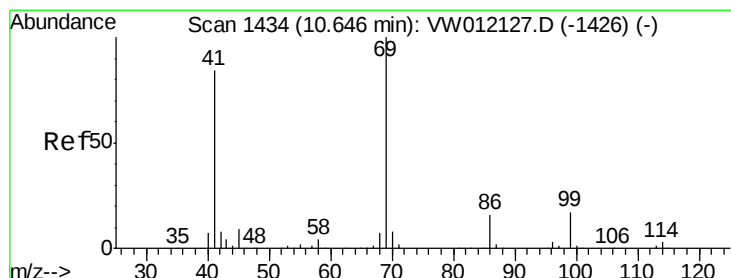
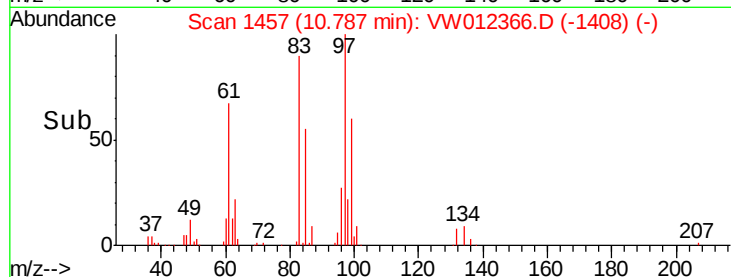
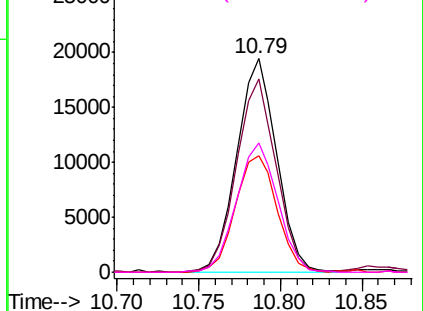
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

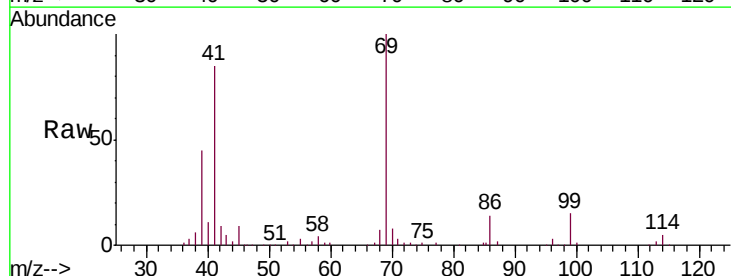
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 22.333 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion:	69	Resp:	47544
Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.5	99.7
39	39.8	31.0	46.4

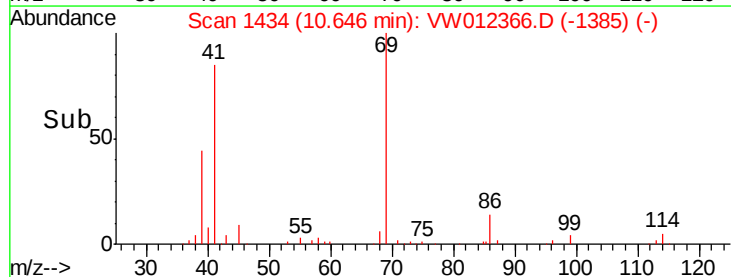
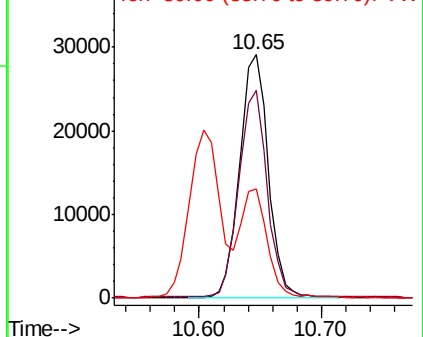


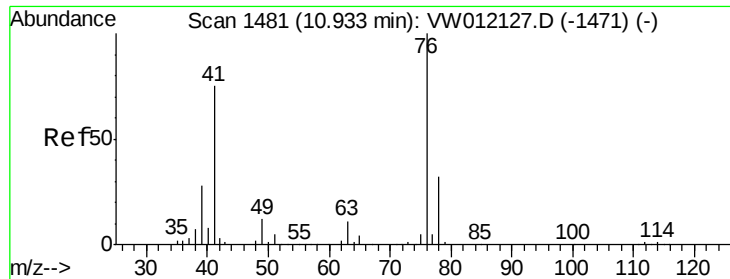
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

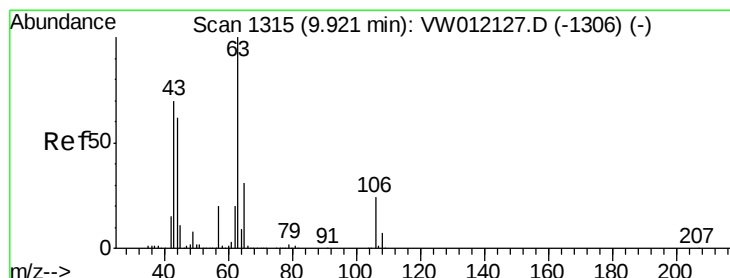
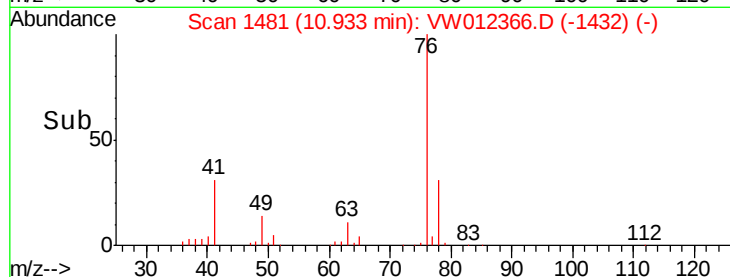
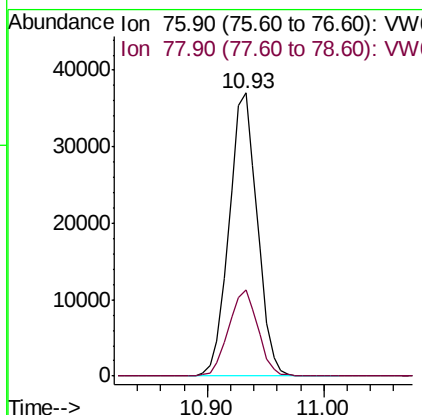
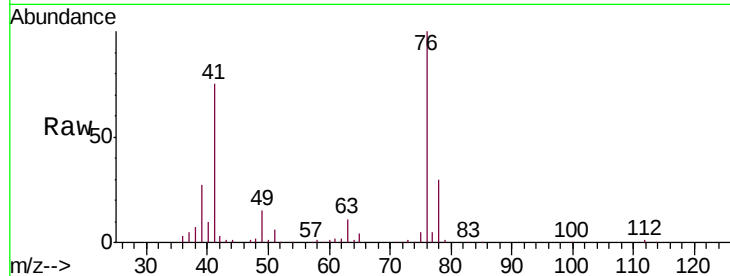




#57
 1,3-Dichloropropane
 Concen: 22.630 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

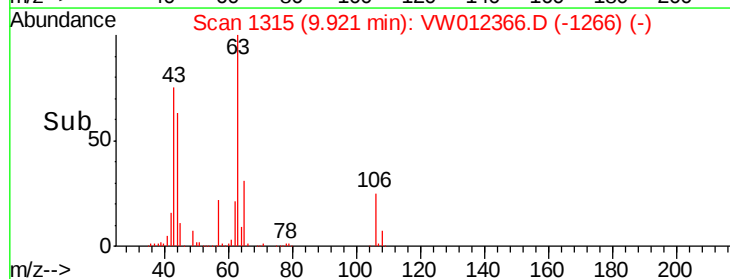
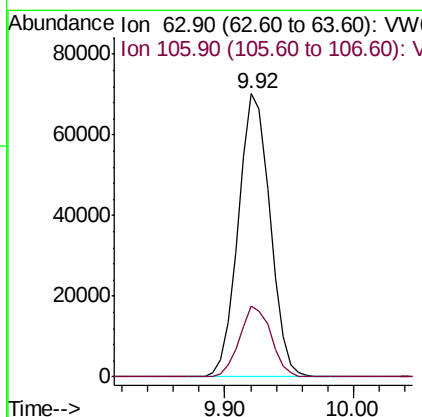
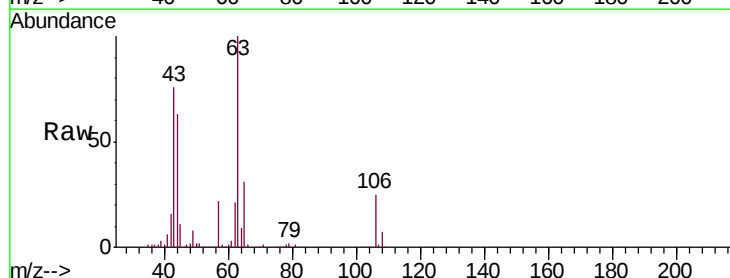
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

Tgt Ion: 76 Resp: 62553
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.756 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion: 63 Resp: 119918
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.8 29.8

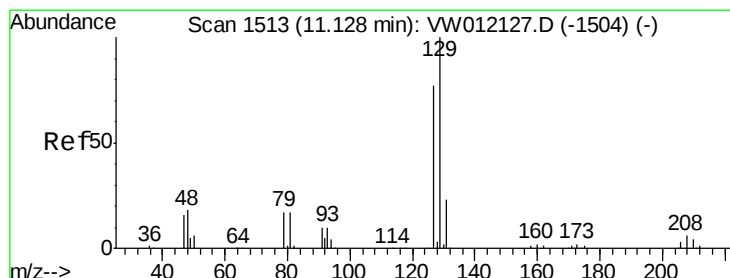
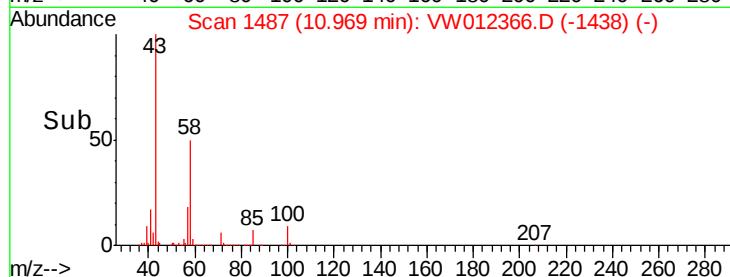
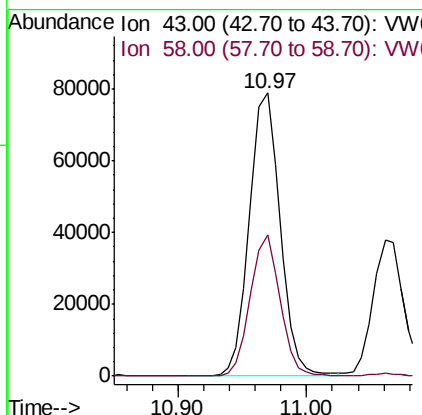
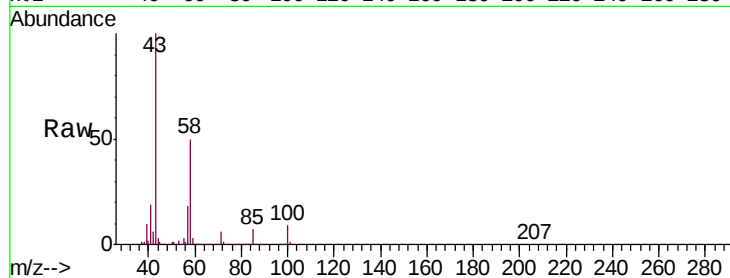




#59
2-Hexanone
Concen: 112.618 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

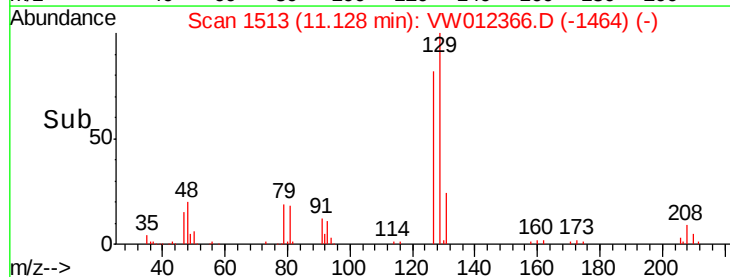
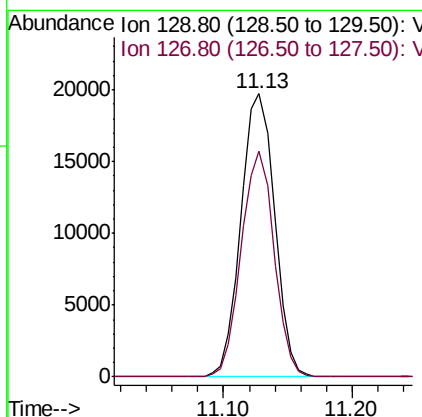
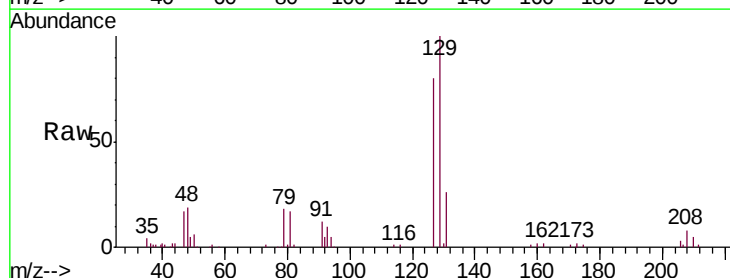
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

Tgt Ion: 43 Resp: 130077
Ion Ratio Lower Upper
43 100
58 48.3 24.3 72.9



#60
Dibromochloromethane
Concen: 21.994 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion: 129 Resp: 35833
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

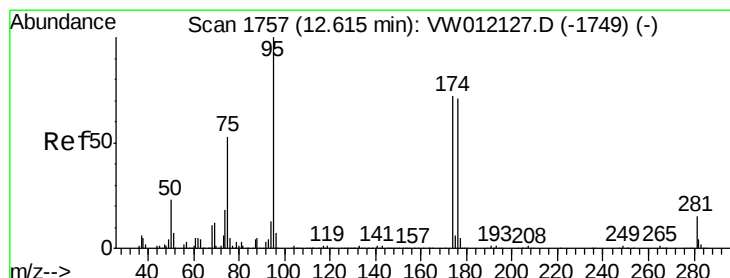
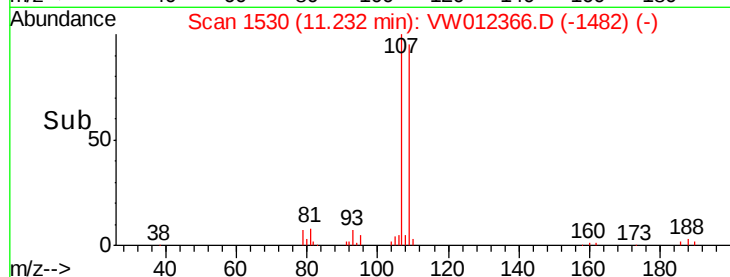
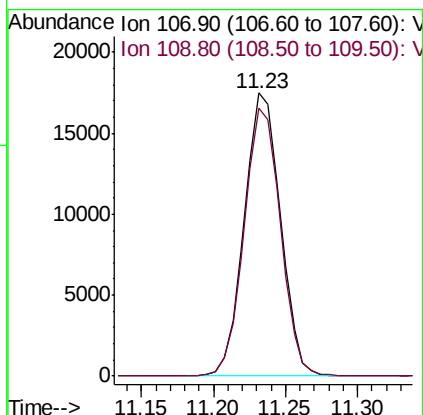
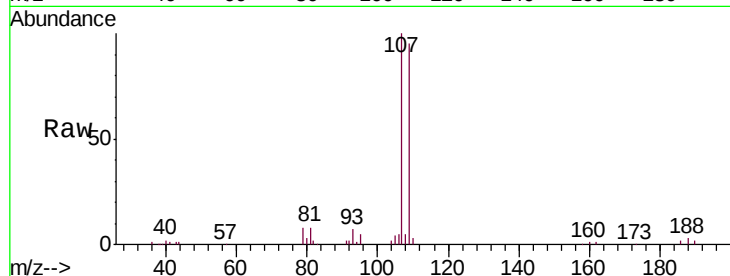




#61
 1,2-Dibromoethane
 Concen: 22.334 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

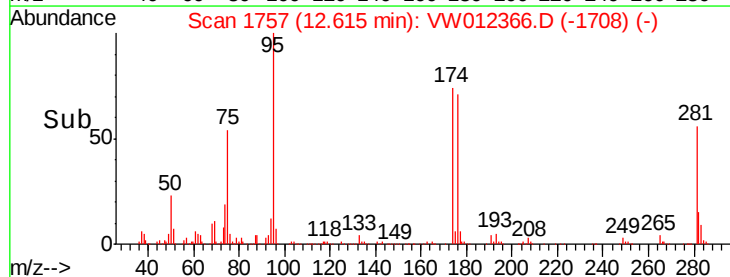
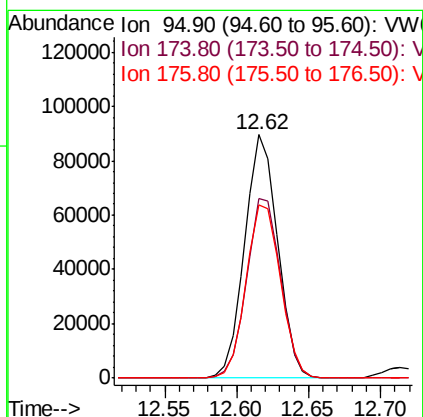
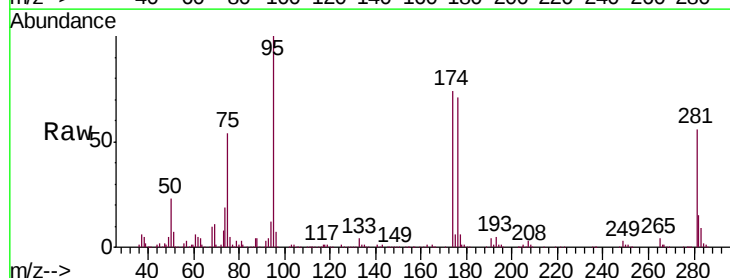
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

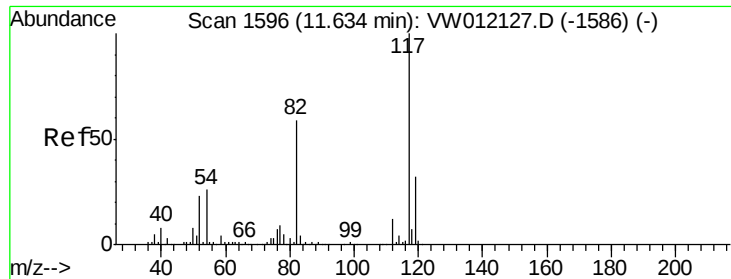
Tgt Ion: 107 Resp: 30435
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 54.414 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion: 95 Resp: 142040
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.8
 176 74.4 0.0 148.6

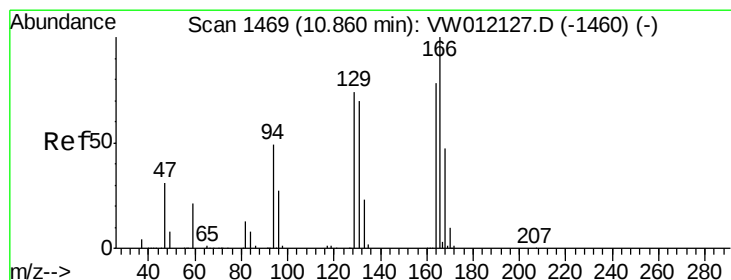
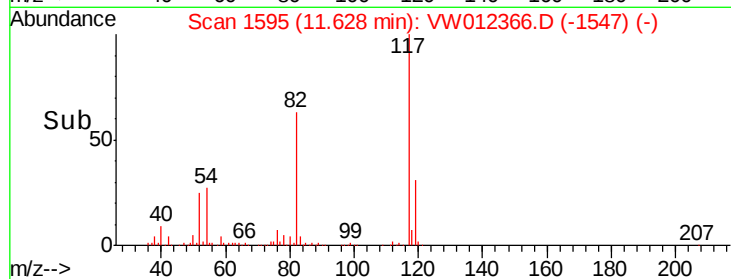
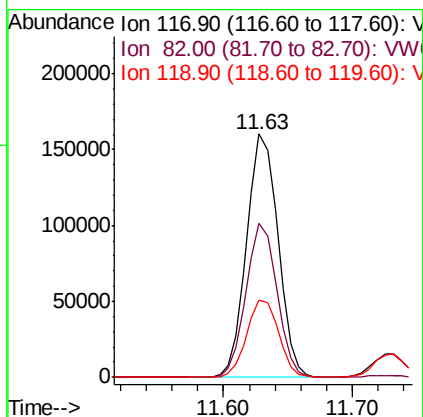
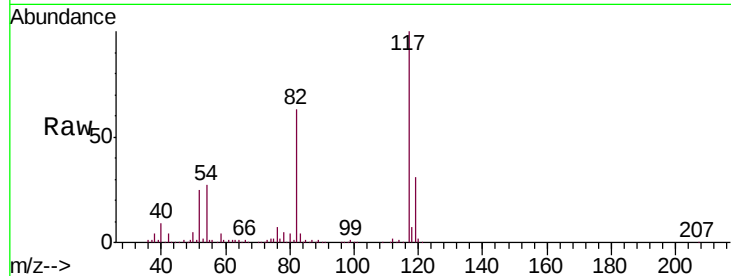




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

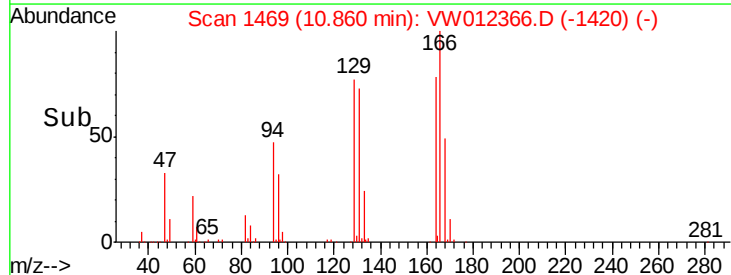
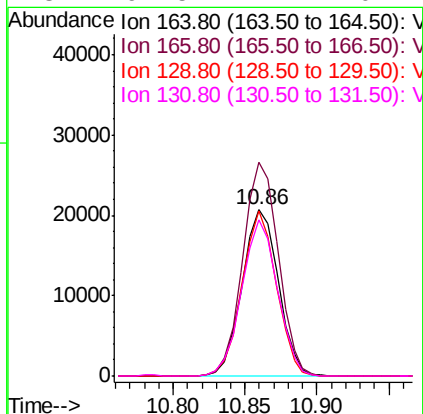
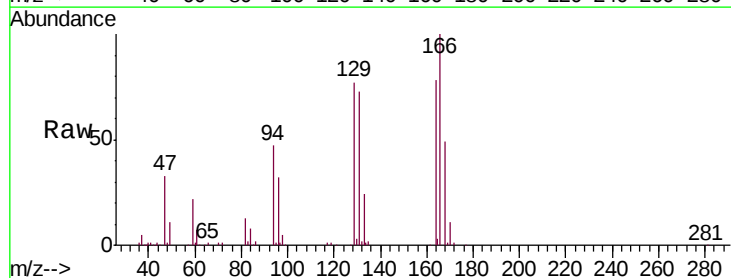
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

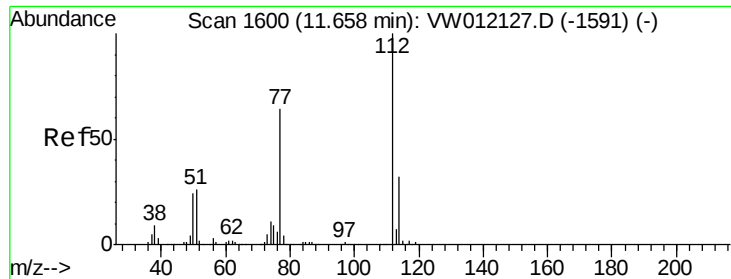
Tgt Ion:117 Resp: 270483
Ion Ratio Lower Upper
117 100
82 63.1 47.4 71.2
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 20.666 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion:164 Resp: 36241
Ion Ratio Lower Upper
164 100
166 128.8 102.4 153.6
129 99.2 75.8 113.6
131 94.5 71.4 107.2

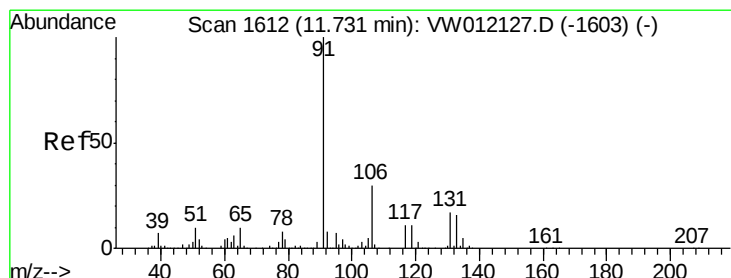
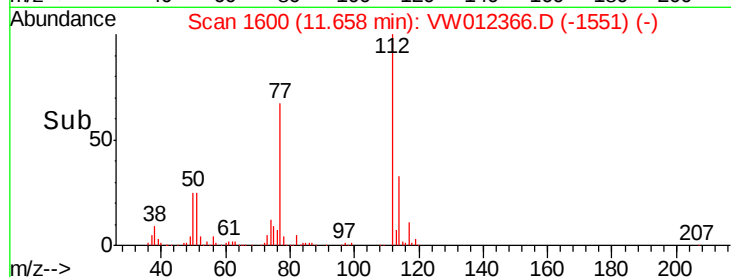
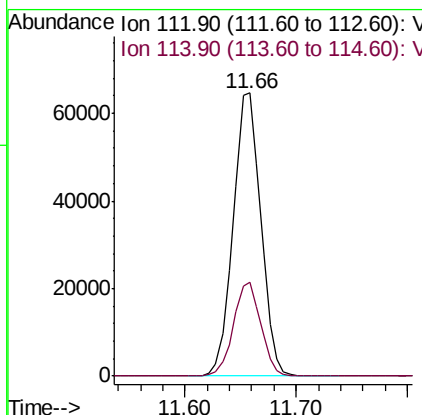
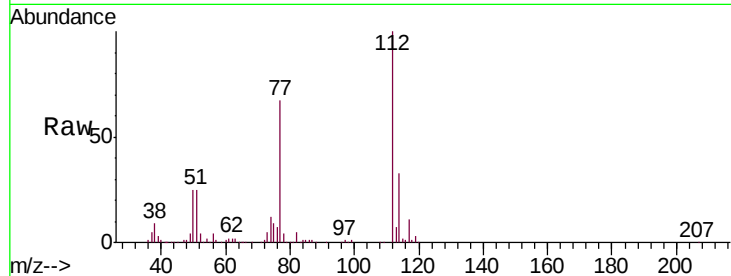




#65
Chlorobenzene
Concen: 20.813 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

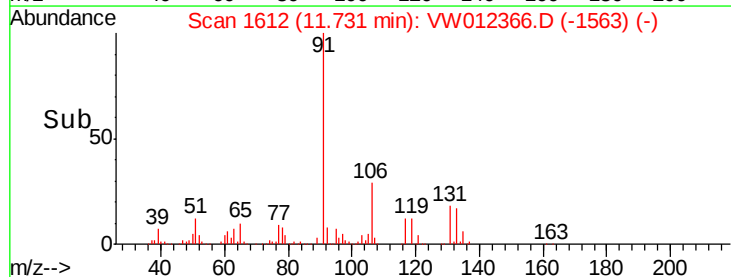
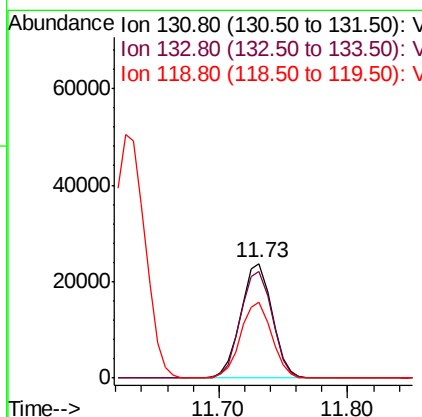
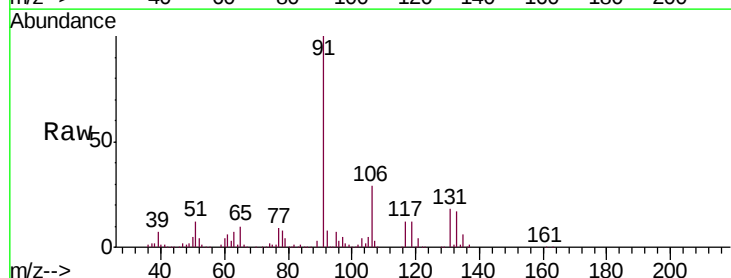
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

Tgt Ion:112 Resp: 110849
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.522 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion:131 Resp: 39988
Ion Ratio Lower Upper
131 100
133 94.9 47.1 141.3
119 65.7 31.8 95.3





#67

Ethyl Benzene

Concen: 20.706 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

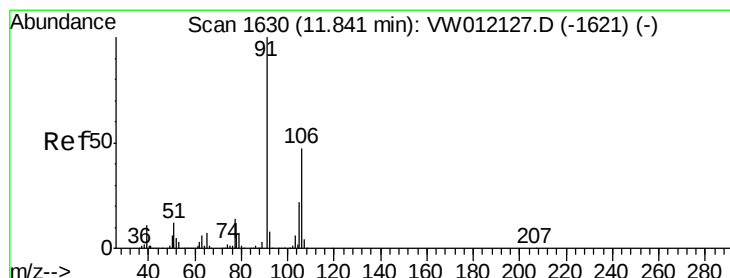
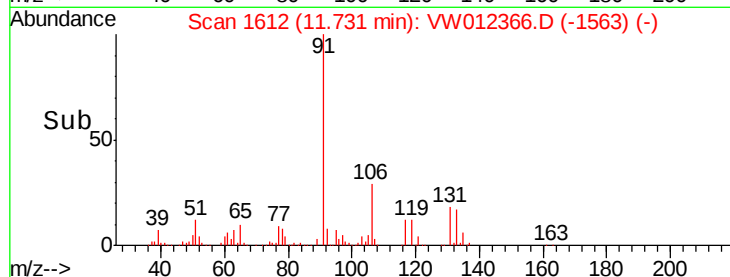
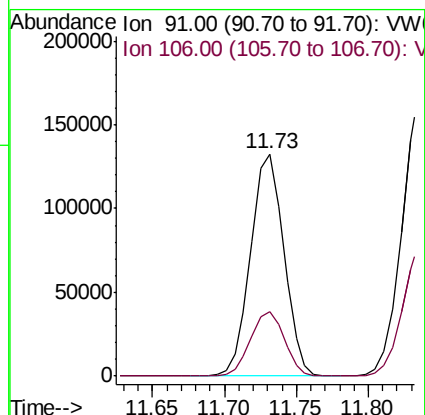
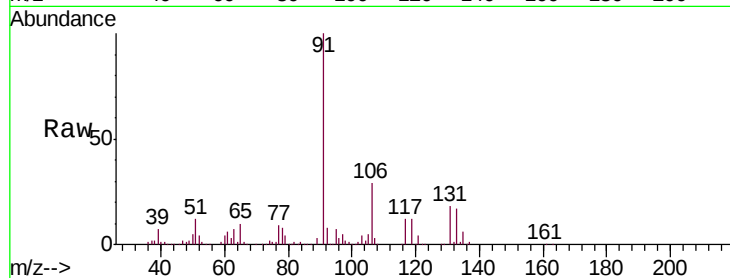
VW0830SBS02

Tgt Ion: 91 Resp: 212438

Ion Ratio Lower Upper

91 100

106 29.3 24.3 36.5



#68

m/p-Xylenes

Concen: 41.063 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW012366.D

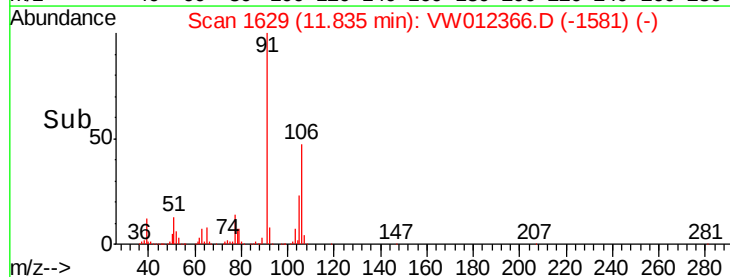
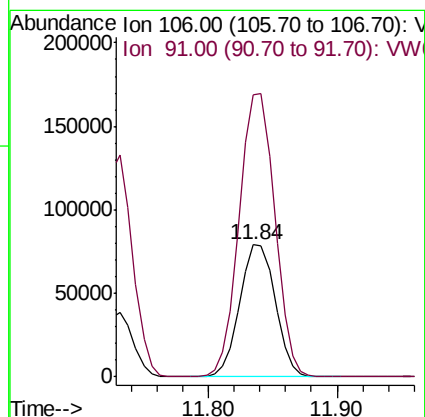
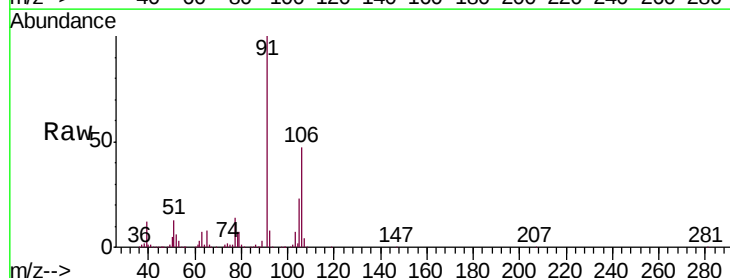
Acq: 30 Aug 2019 23:28

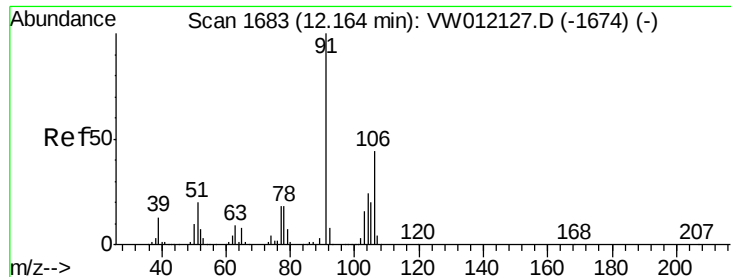
Tgt Ion: 106 Resp: 151756

Ion Ratio Lower Upper

106 100

91 215.0 169.5 254.3

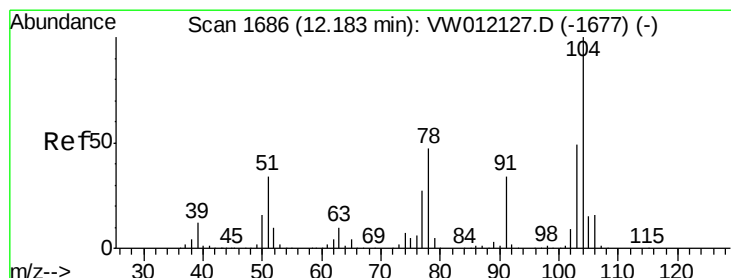
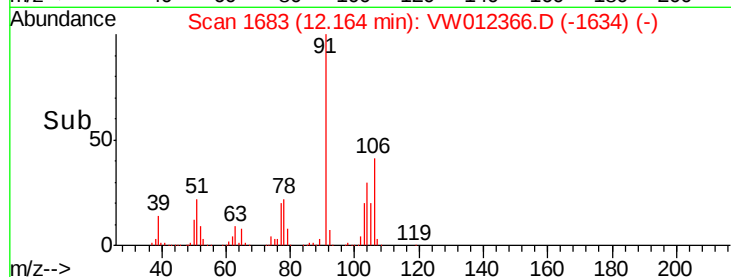
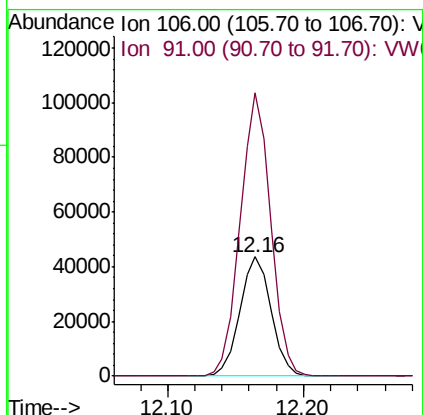
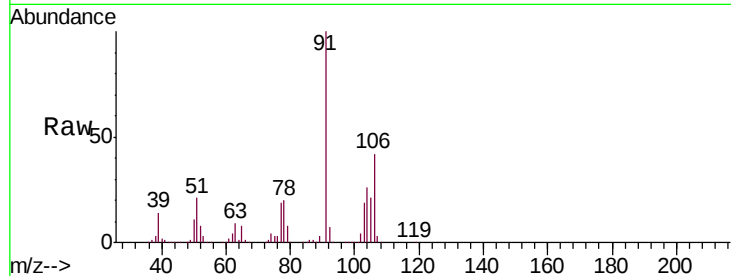




#69
o-Xylene
Concen: 20.431 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

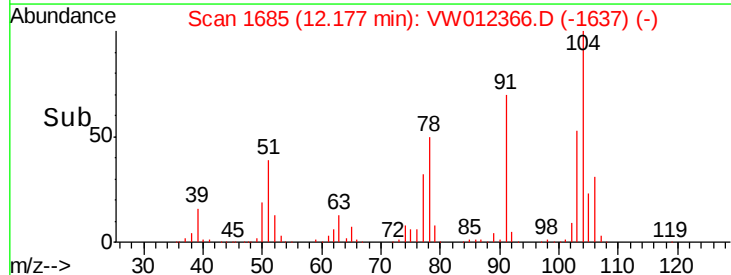
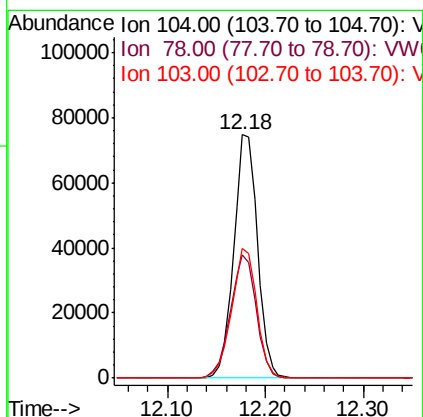
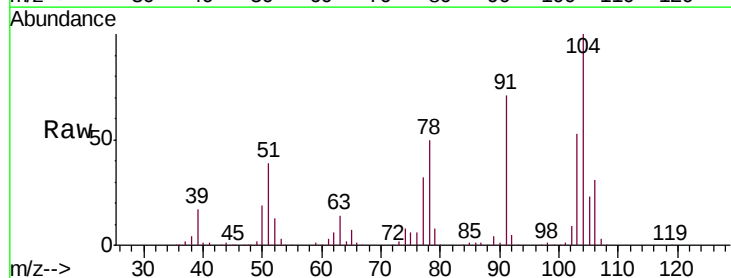
Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

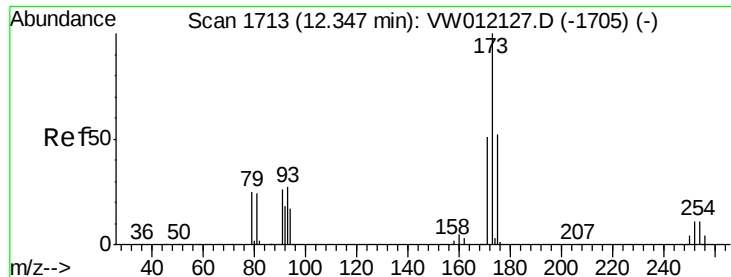
Tgt Ion:106 Resp: 69884
Ion Ratio Lower Upper
106 100
91 231.5 111.6 334.6



#70
Styrene
Concen: 21.264 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion:104 Resp: 125895
Ion Ratio Lower Upper
104 100
78 54.6 43.1 64.7
103 56.5 43.5 65.3

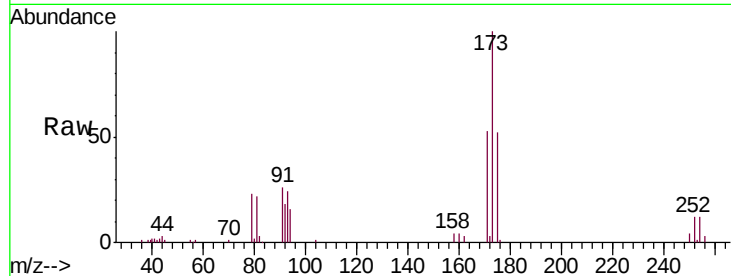




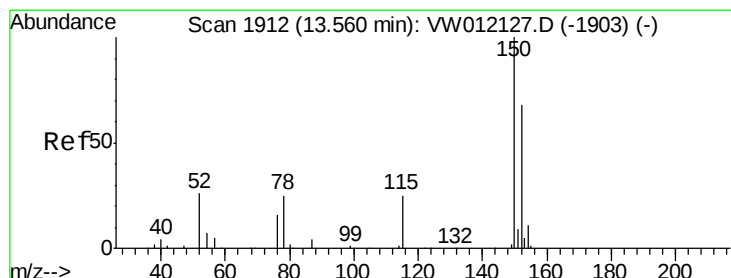
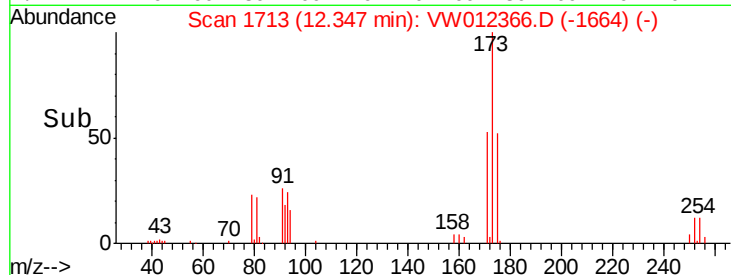
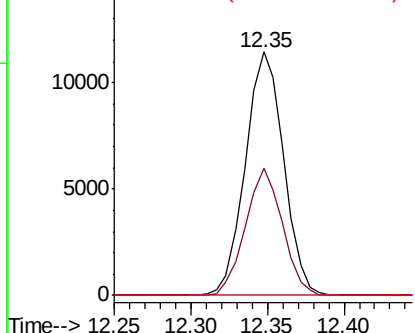
#71
Bromoform
Concen: 21.510 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

Tgt Ion:173 Resp: 19912
Ion Ratio Lower Upper
173 100
175 50.2 24.6 74.0
254 0.0 0.2 0.2#

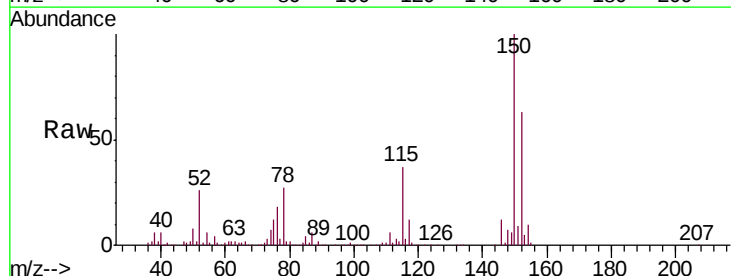


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

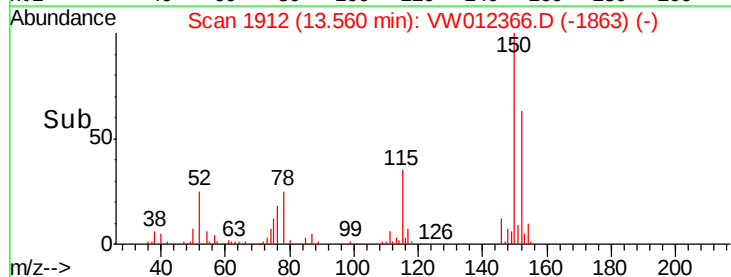
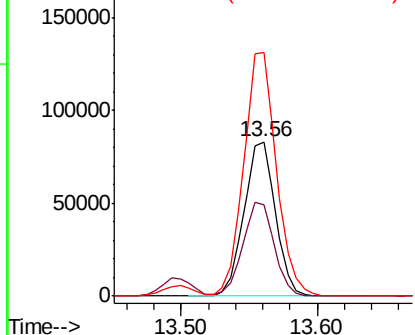


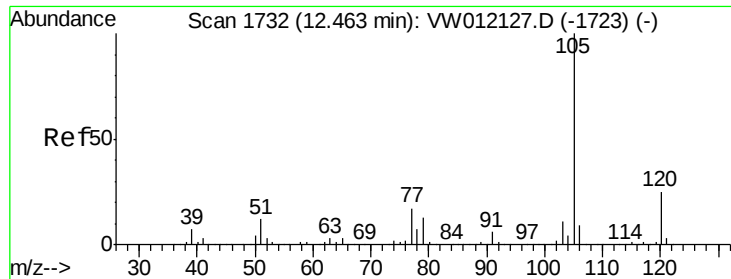
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion:152 Resp: 134367
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.3
150 164.1 0.0 345.8



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





#73

Isopropylbenzene

Concen: 19.972 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

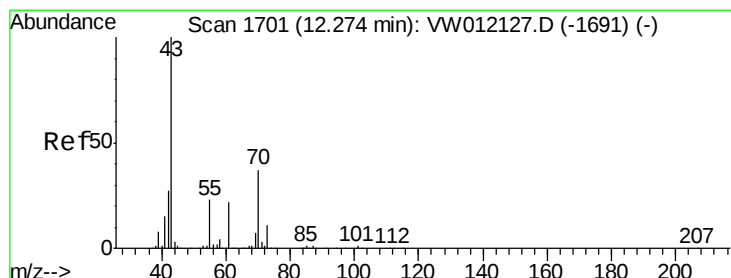
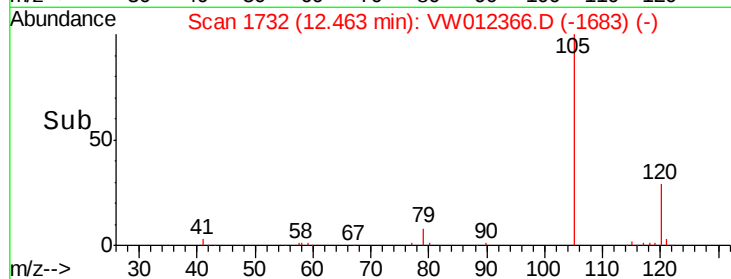
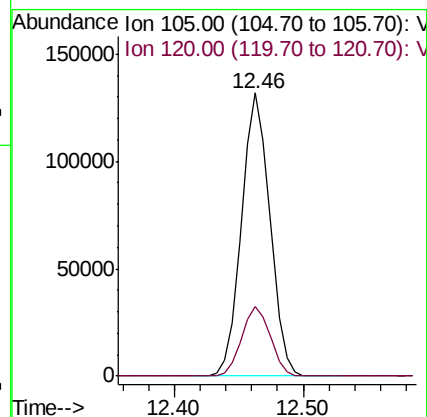
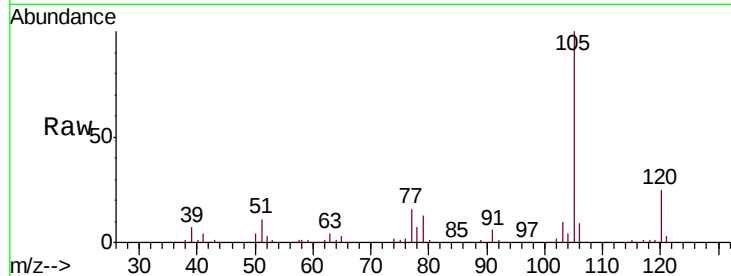
VW0830SBS02

Tgt Ion:105 Resp: 201086

Ion Ratio Lower Upper

105 100

120 24.9 12.5 37.5



#74

N-ethyl acetate

Concen: 22.177 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Tgt Ion: 43 Resp: 67460

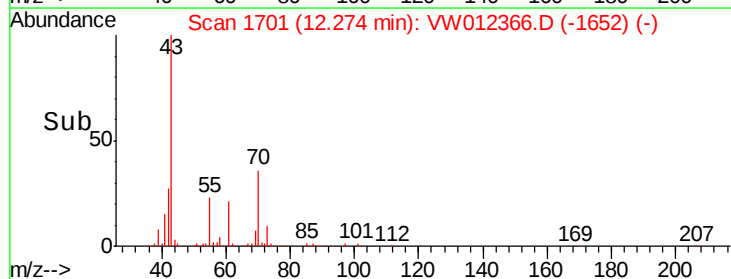
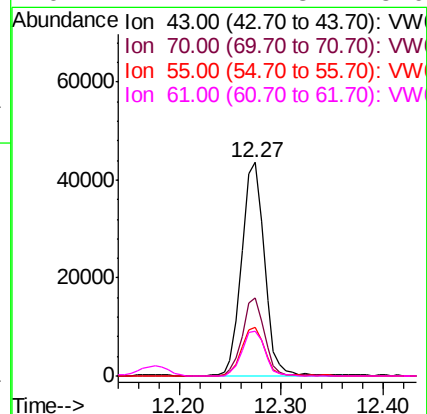
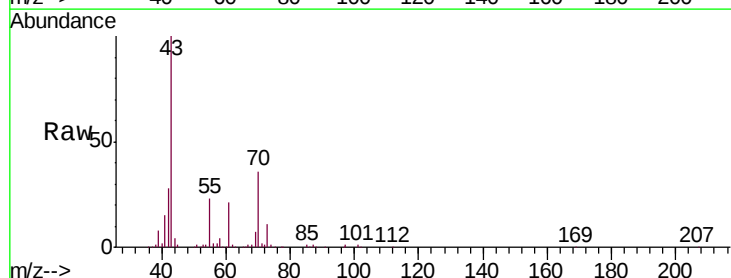
Ion Ratio Lower Upper

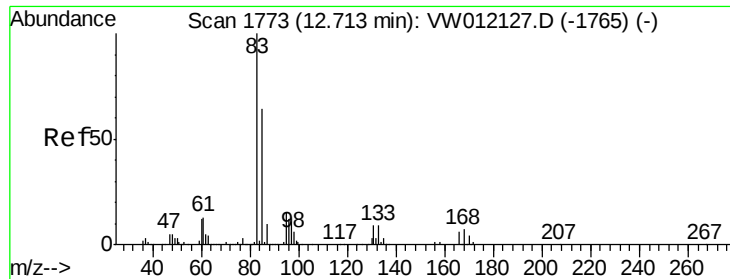
43 100

70 35.7 28.6 43.0

55 23.2 17.8 26.6

61 21.2 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.294 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

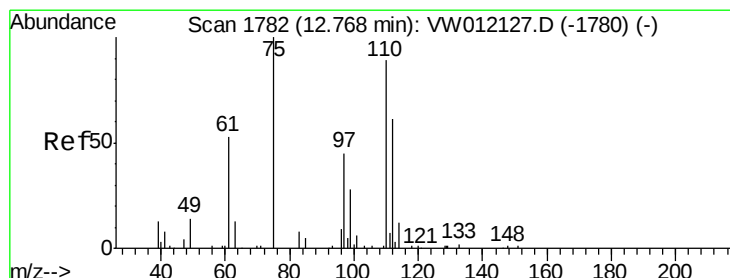
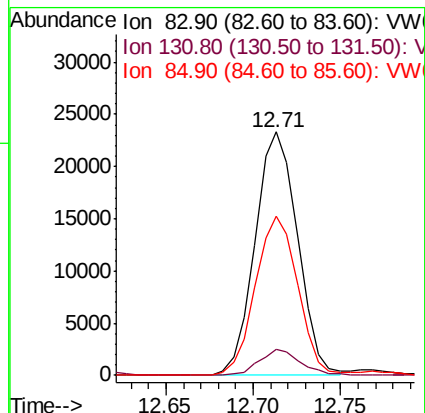
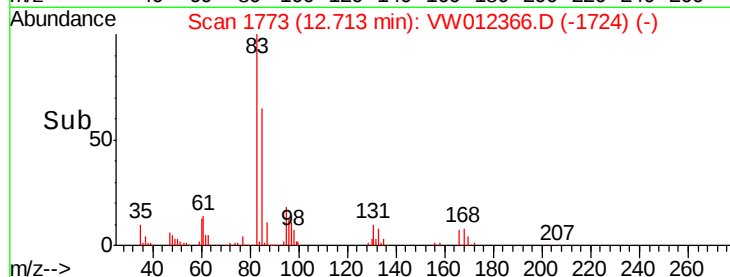
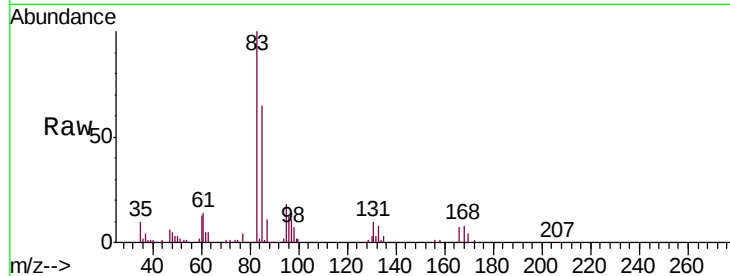
Tgt Ion: 83 Resp: 39304

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.7

85 65.3 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 40.197 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012366.D

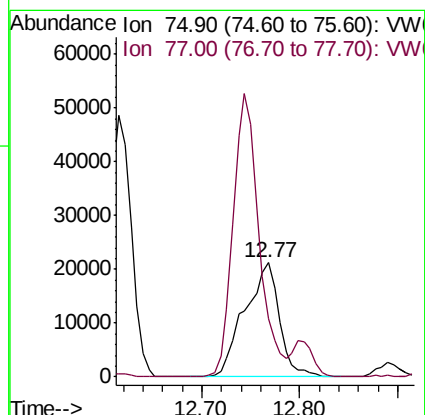
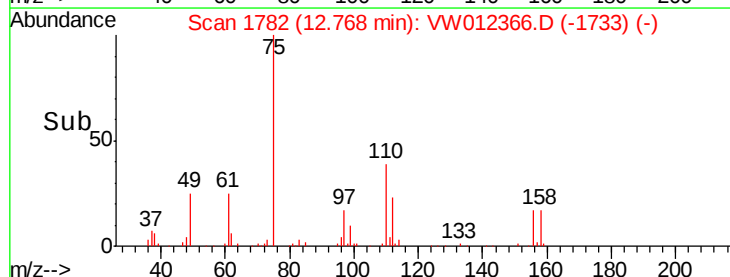
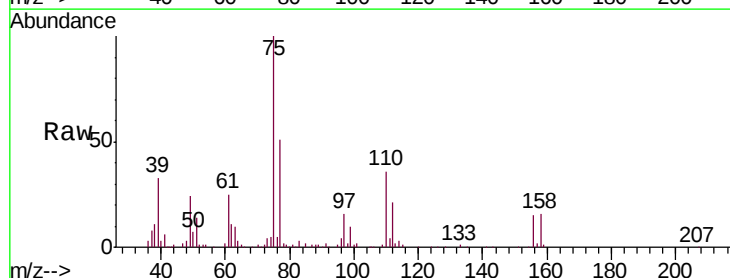
Acq: 30 Aug 2019 23:28

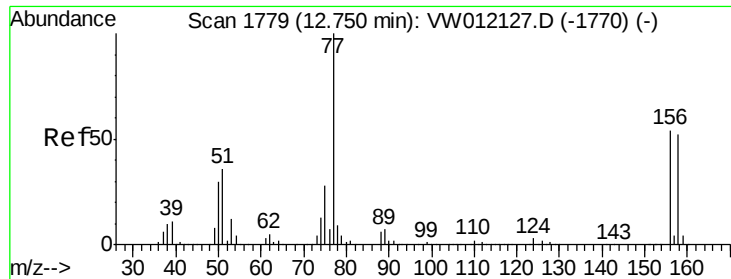
Tgt Ion: 75 Resp: 52603

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.052 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

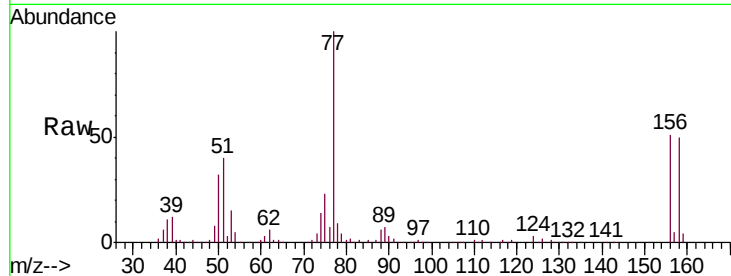
Tgt Ion: 156 Resp: 45855

Ion Ratio Lower Upper

156 100

77 211.8 107.3 321.8

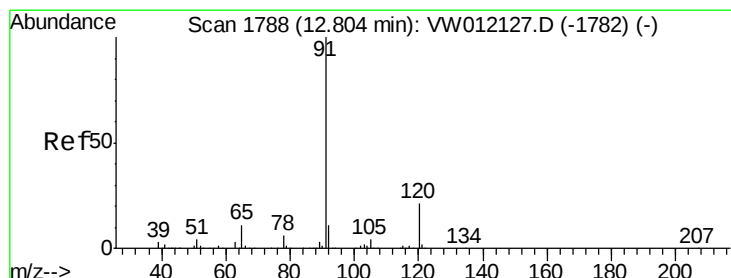
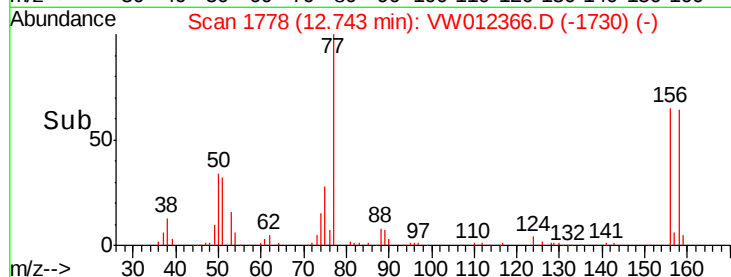
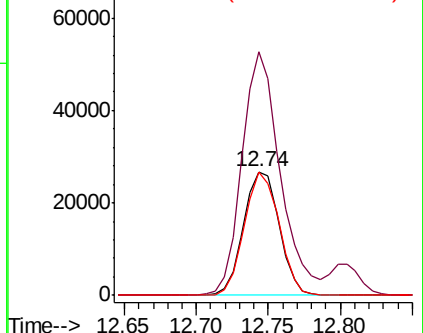
158 96.9 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.114 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012366.D

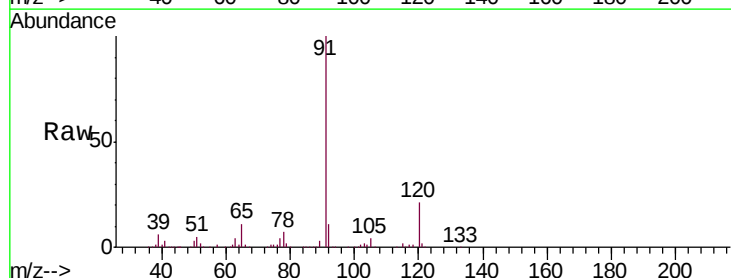
Acq: 30 Aug 2019 23:28

Tgt Ion: 91 Resp: 247233

Ion Ratio Lower Upper

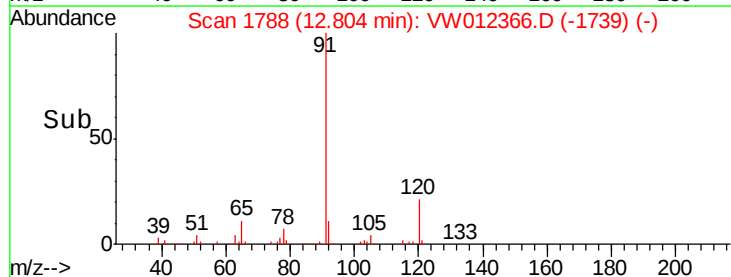
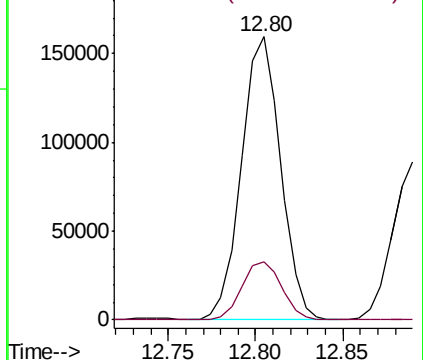
91 100

120 21.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.652 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampled :

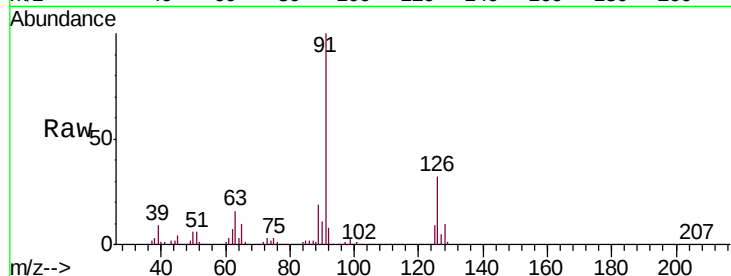
VW0830SBS02

Tgt Ion: 91 Resp: 144120

Ion Ratio Lower Upper

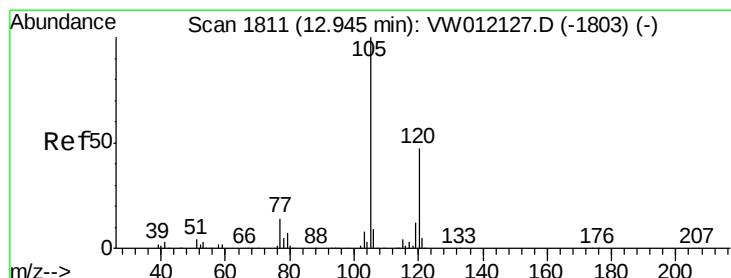
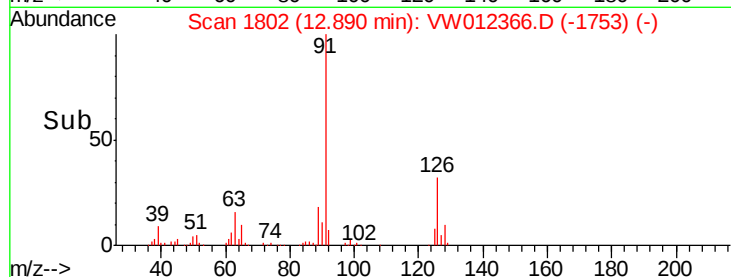
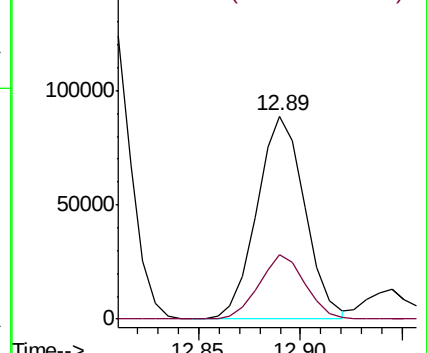
91 100

126 30.9 15.7 47.0



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: 20.713 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012366.D

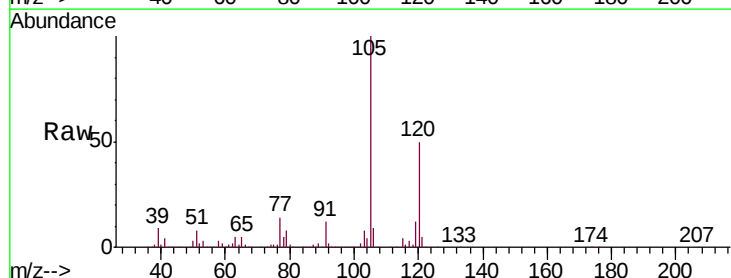
Acq: 30 Aug 2019 23:28

Tgt Ion: 105 Resp: 174259

Ion Ratio Lower Upper

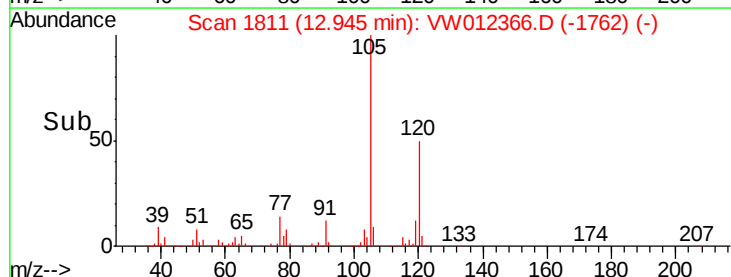
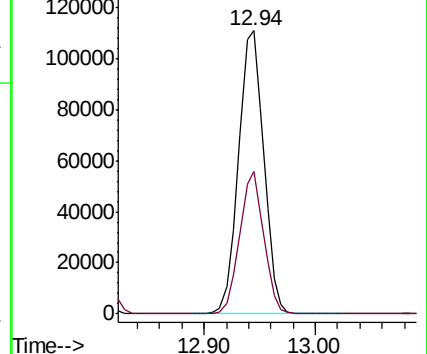
105 100

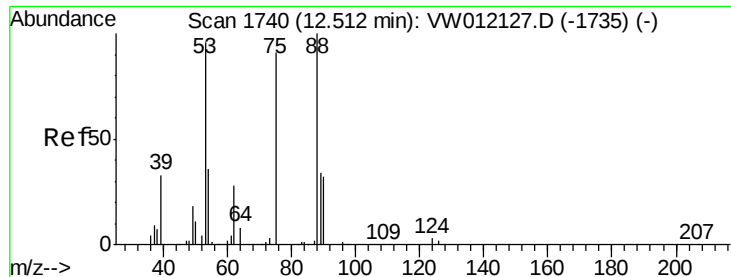
120 47.9 24.0 72.0



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: 20.160 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

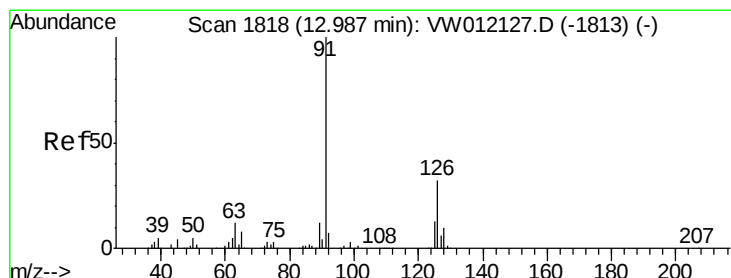
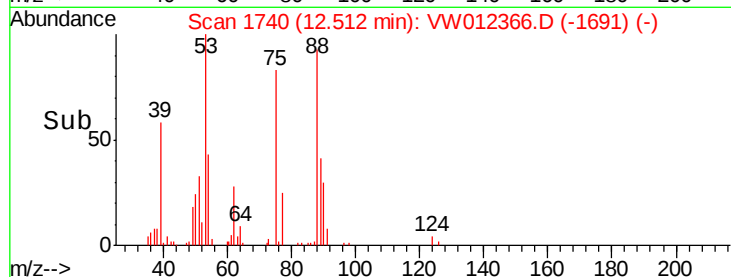
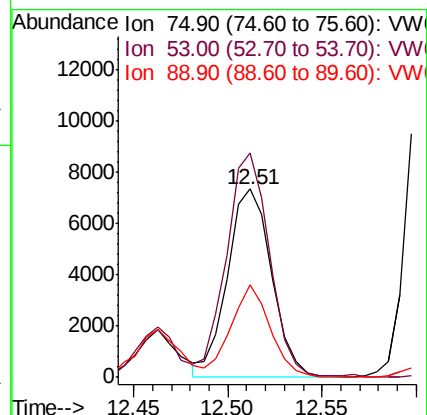
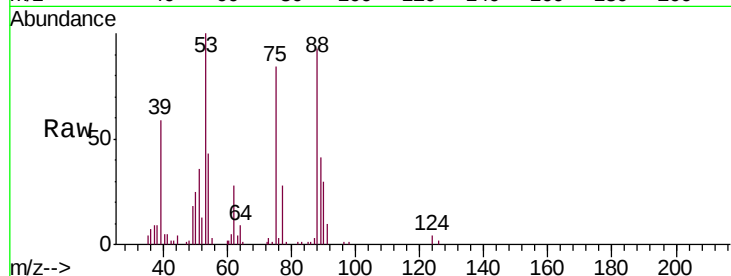
Tgt Ion: 75 Resp: 12033

Ion Ratio Lower Upper

75 100

53 116.4 89.4 134.0

89 43.3 34.5 51.7



#82

4-Chlorotoluene

Concen: 20.542 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012366.D

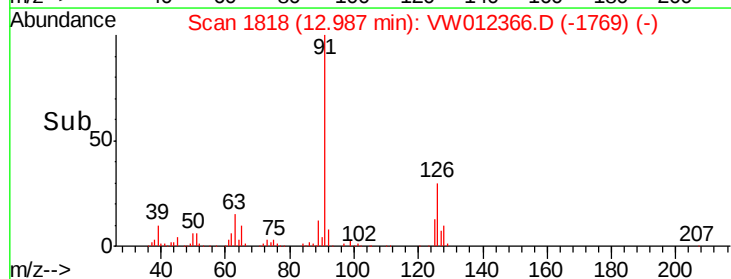
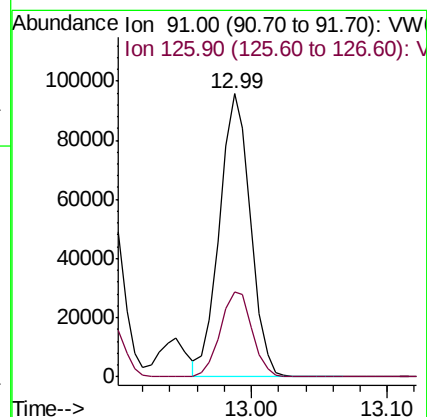
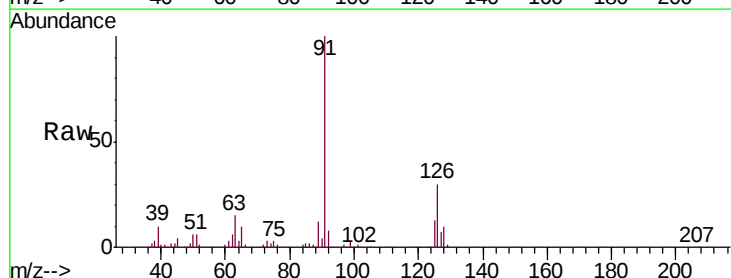
Acq: 30 Aug 2019 23:28

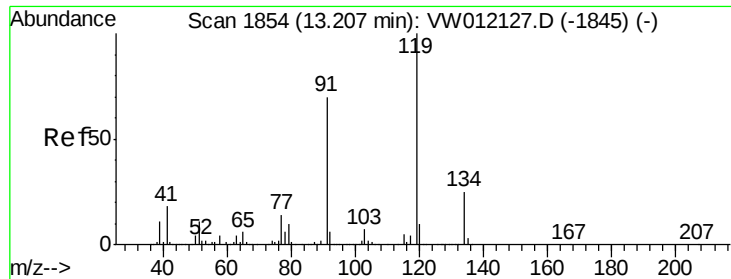
Tgt Ion: 91 Resp: 150096

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

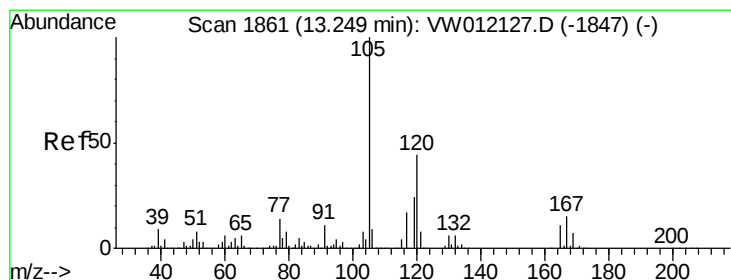
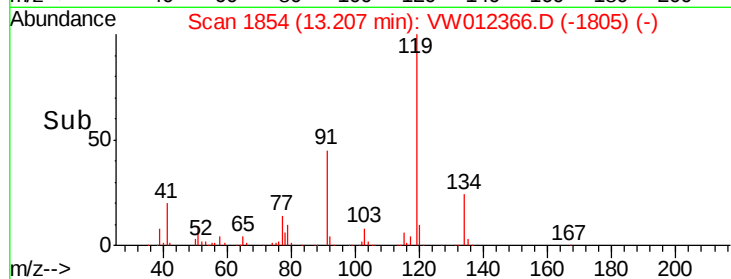
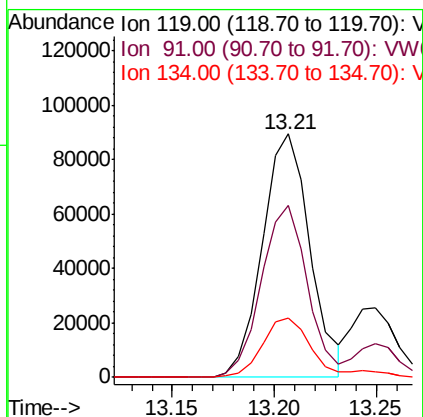
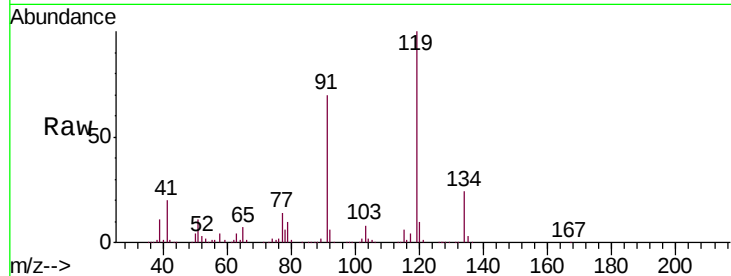




#83
 tert-Butylbenzene
 Concen: 20.442 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

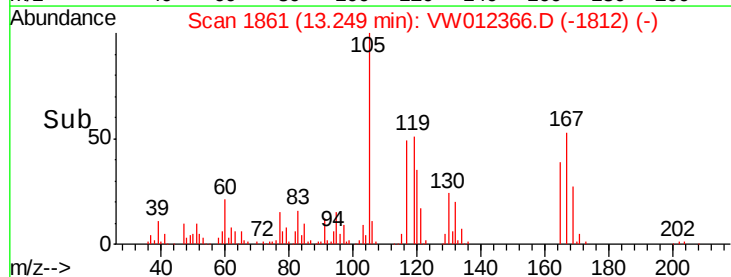
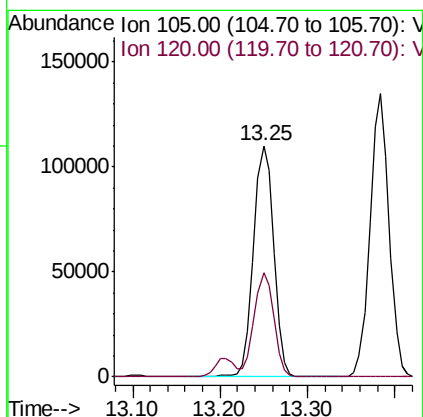
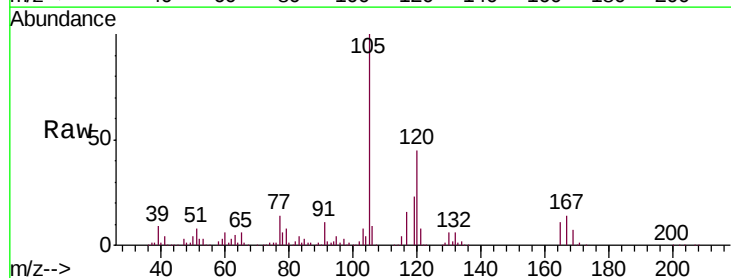
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

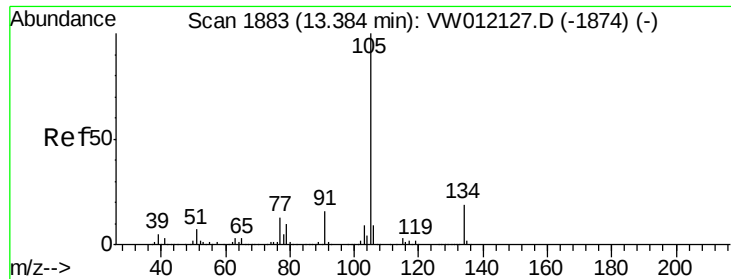
Tgt Ion:119 Resp: 145680
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.8 104.3
 134 26.6 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.889 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion:105 Resp: 176537
 Ion Ratio Lower Upper
 105 100
 120 43.4 21.9 65.7

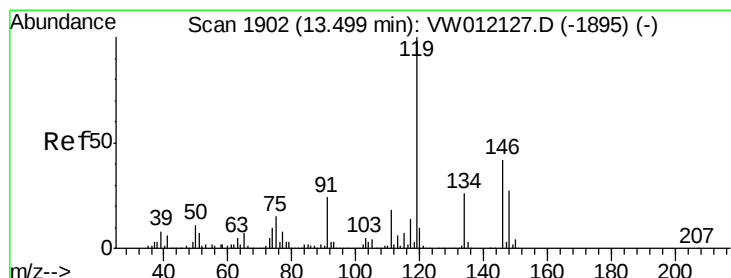
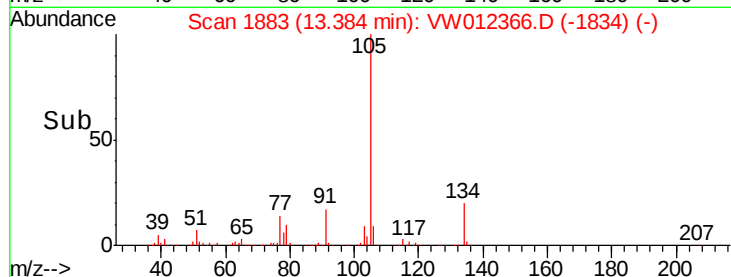
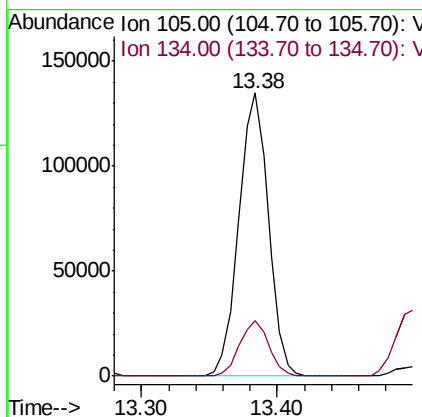
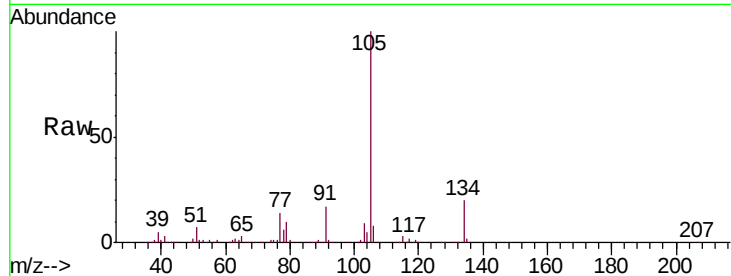




#85
 sec-Butylbenzene
 Concen: 20.057 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

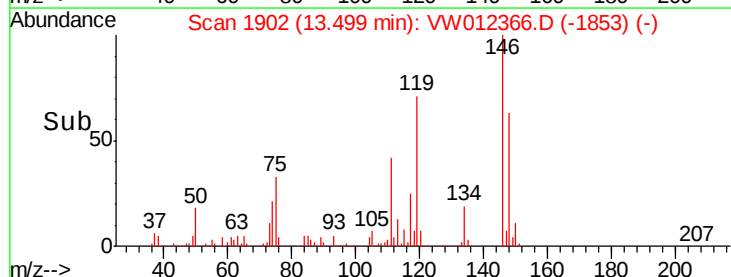
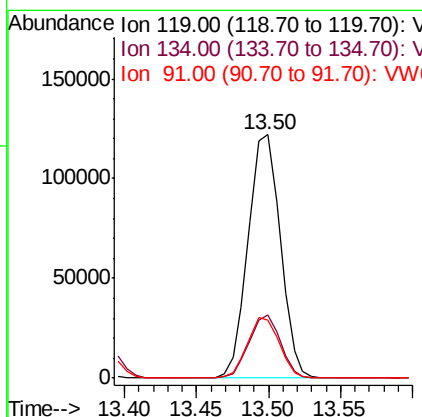
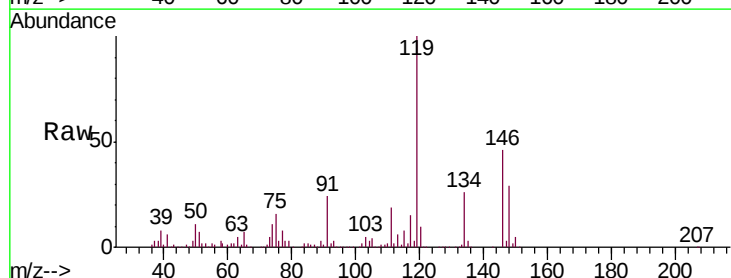
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

Tgt Ion:105 Resp: 204781
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.703 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion:119 Resp: 188778
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 24.7 12.3 36.9

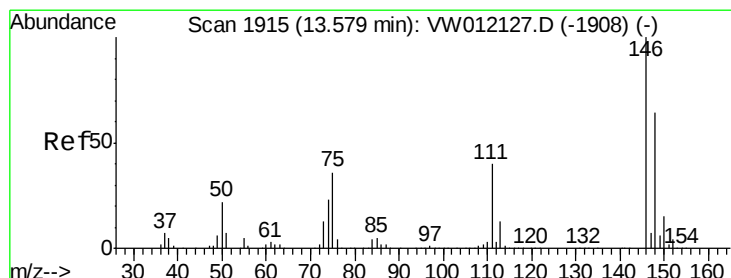
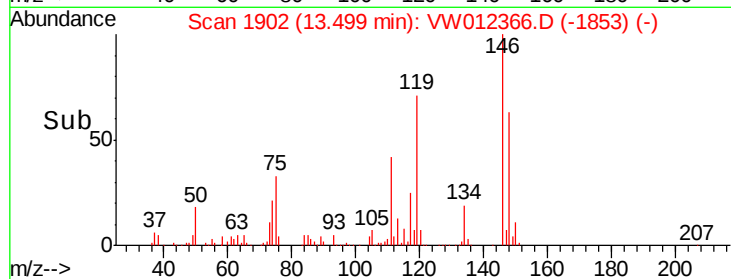
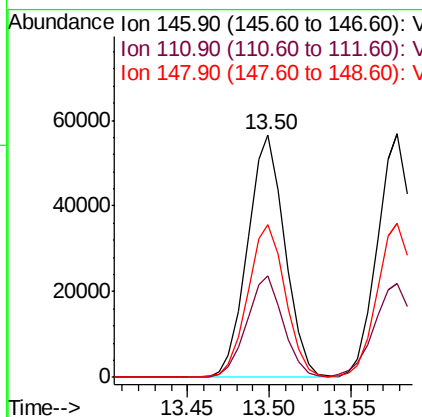
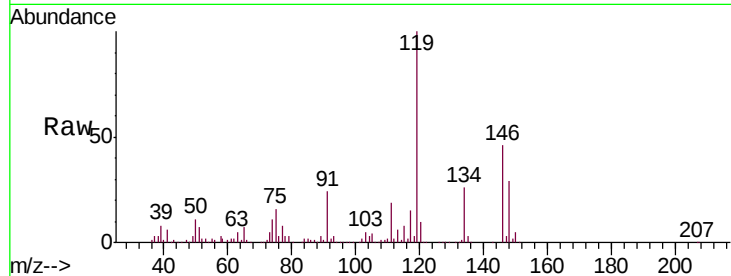




#87
 1,3-Dichlorobenzene
 Concen: 21.123 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

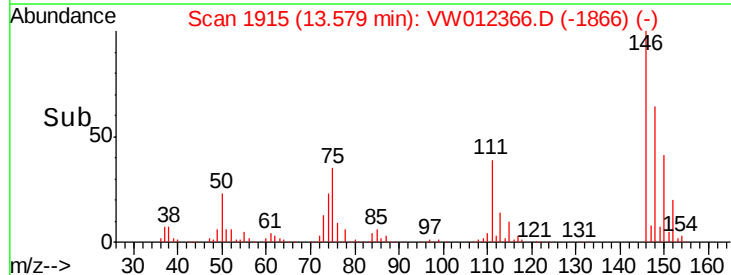
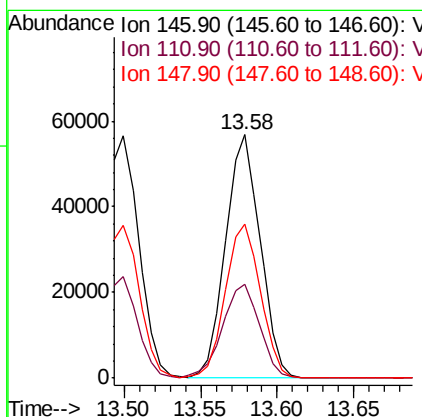
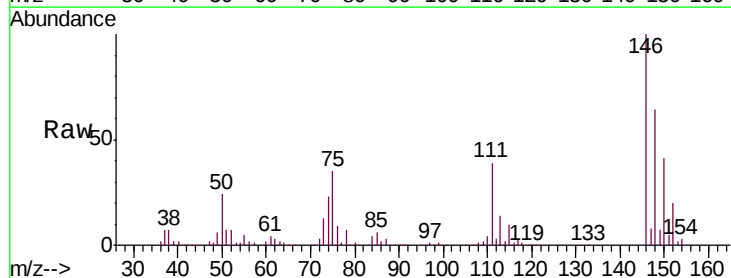
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

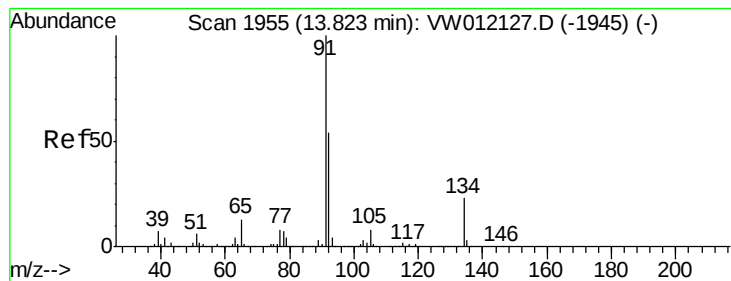
Tgt Ion:146 Resp: 89993
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.9 62.7
 148 63.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.121 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion:146 Resp: 89346
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.0 60.0
 148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 20.189 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012366.D

Acq: 30 Aug 2019 23:28

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS02

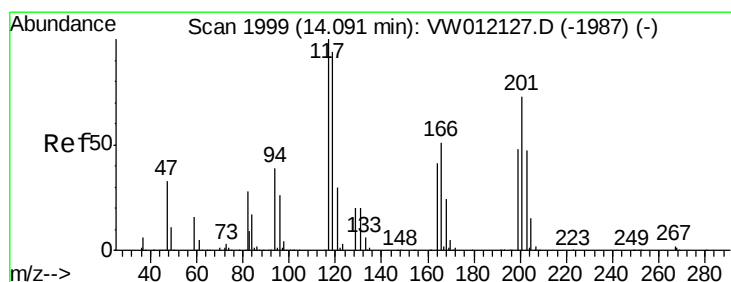
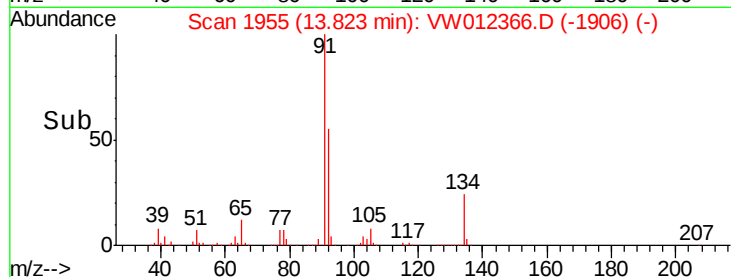
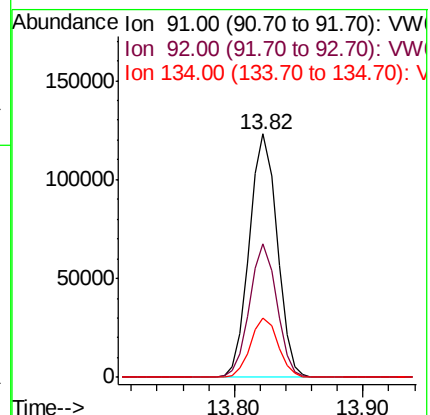
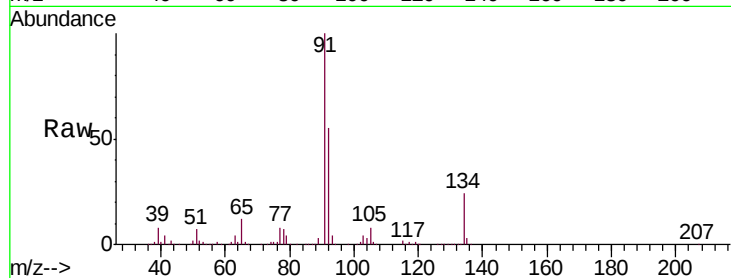
Tgt Ion: 91 Resp: 183065

Ion Ratio Lower Upper

91 100

92 53.7 27.1 81.2

134 24.1 12.2 36.4



#90

Hexachloroethane

Concen: 19.925 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012366.D

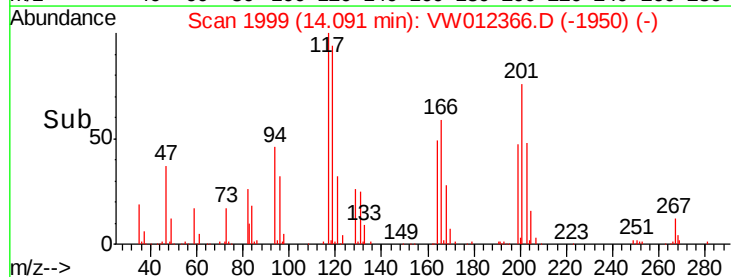
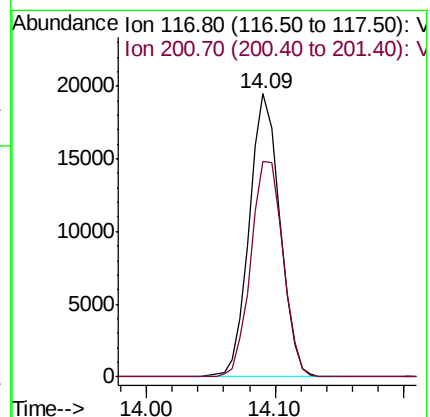
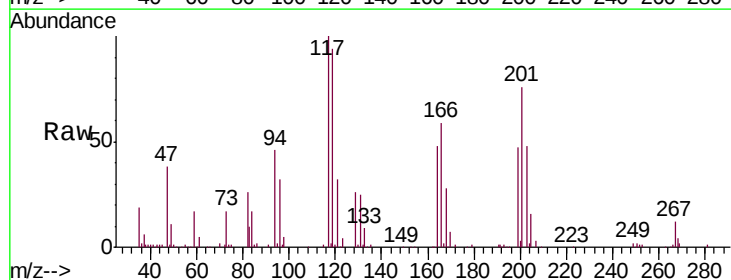
Acq: 30 Aug 2019 23:28

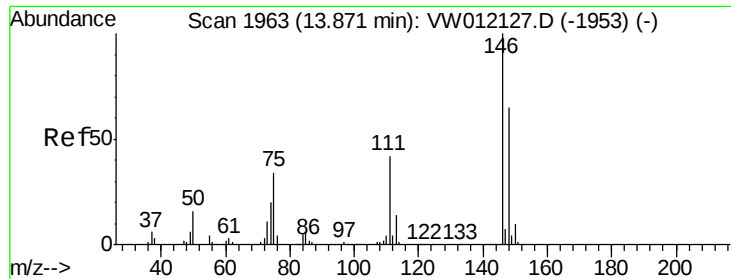
Tgt Ion: 117 Resp: 31875

Ion Ratio Lower Upper

117 100

201 80.0 38.6 115.7

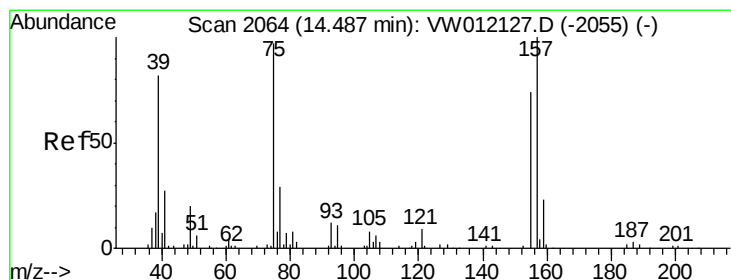
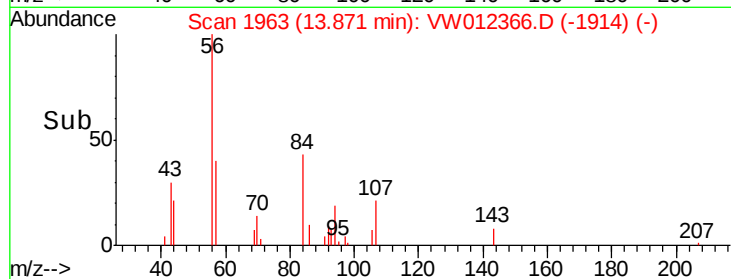
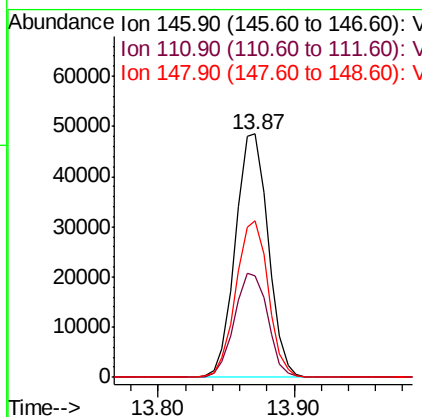
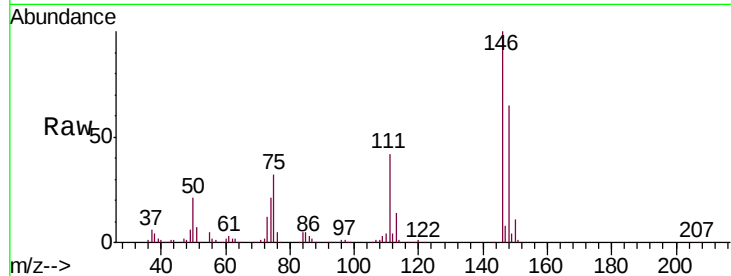




#91
 1,2-Dichlorobenzene
 Concen: 21.900 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

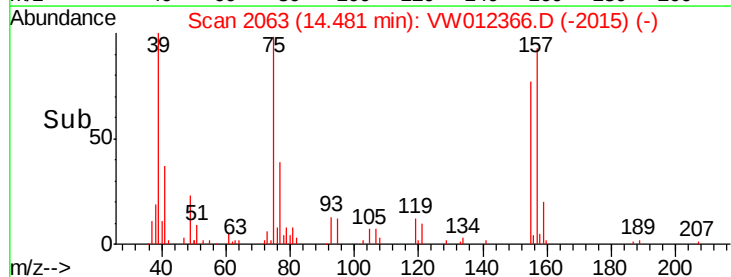
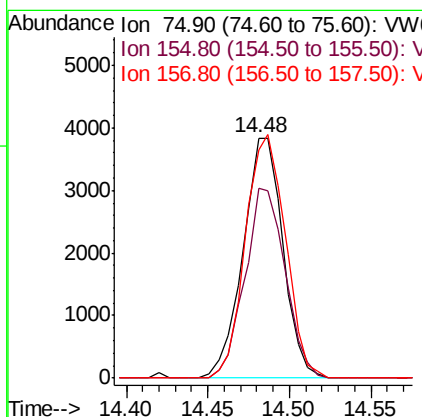
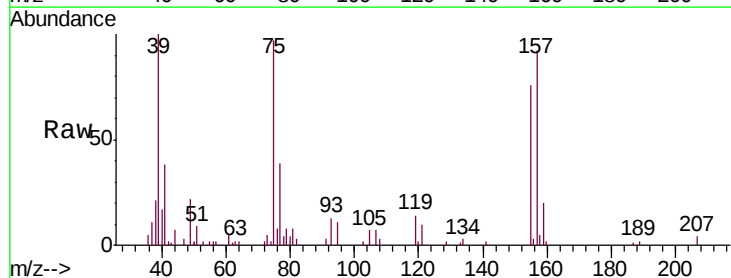
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

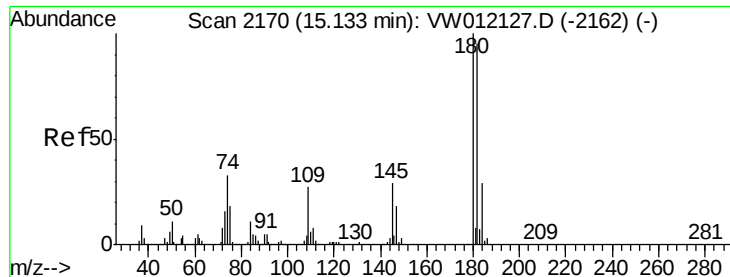
Tgt Ion:146 Resp: 81850
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.2 63.6
 148 63.6 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.036 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion: 75 Resp: 6546
 Ion Ratio Lower Upper
 75 100
 155 79.7 37.5 112.3
 157 101.4 50.5 151.5

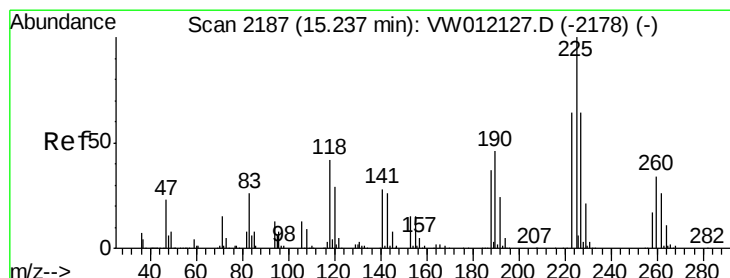
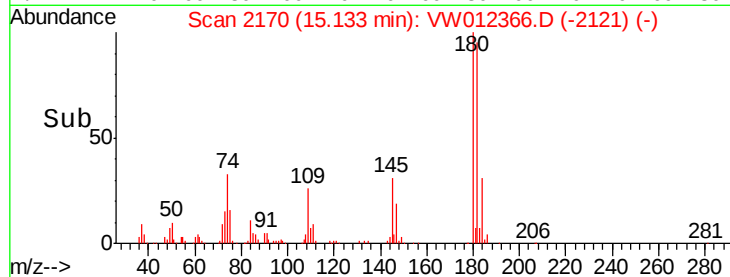
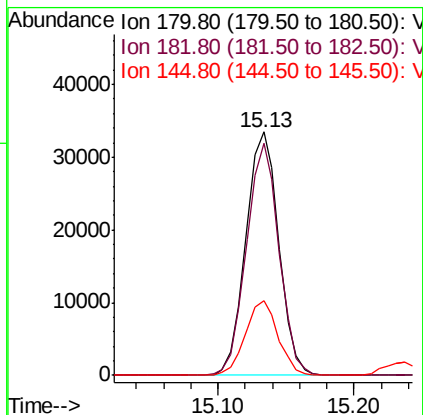
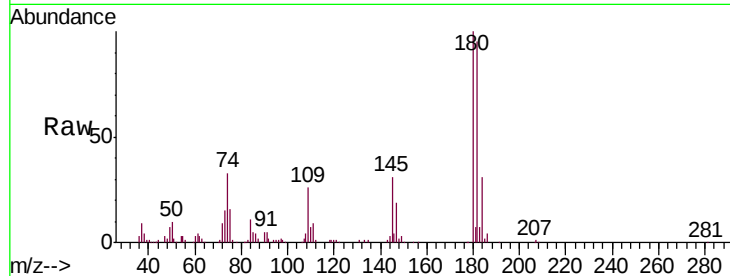




#93
 1,2,4-Trichlorobenzene
 Concen: 21.973 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

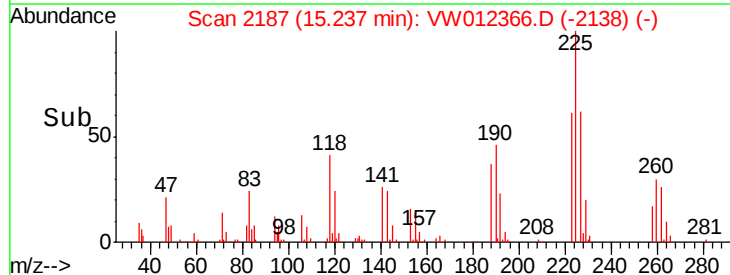
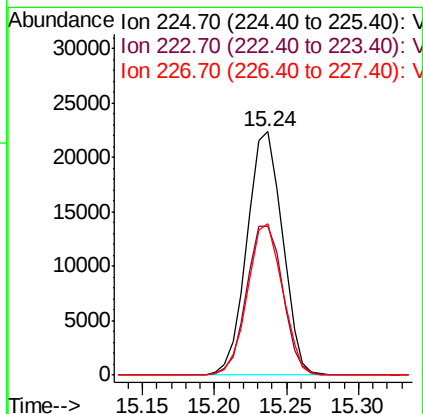
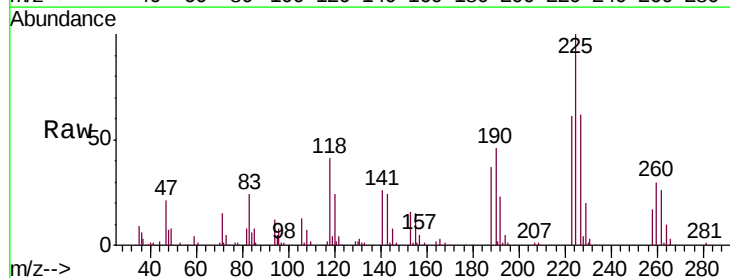
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

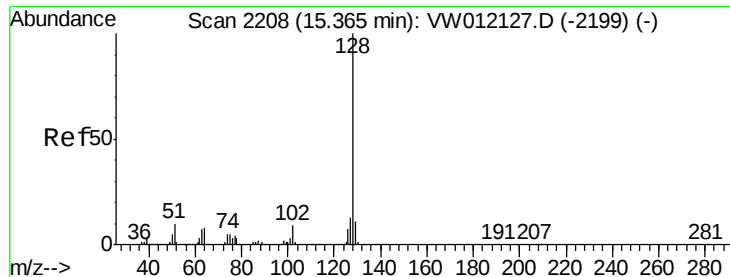
Tgt Ion:180 Resp: 56753
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.8 143.4
 145 30.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 22.339 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012366.D
 Acq: 30 Aug 2019 23:28

Tgt Ion:225 Resp: 38098
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.3 96.8
 227 61.4 32.9 98.6

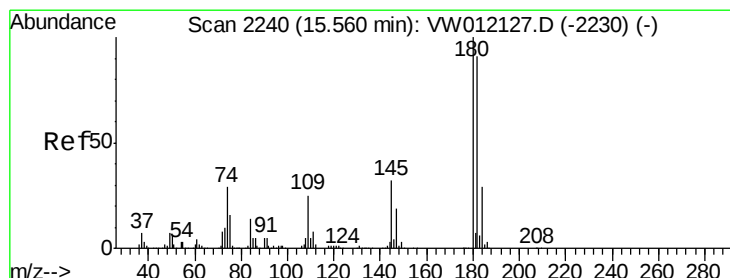
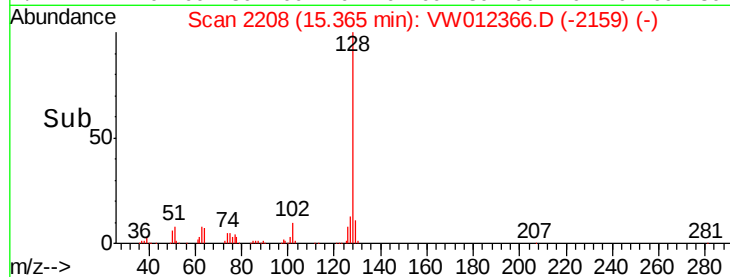
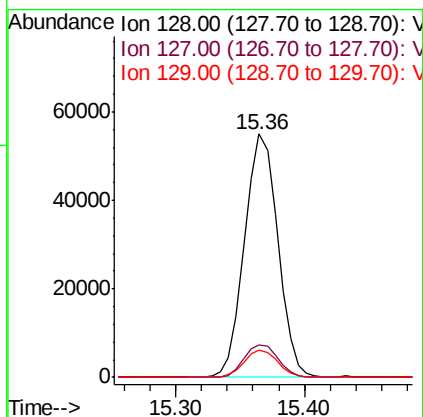
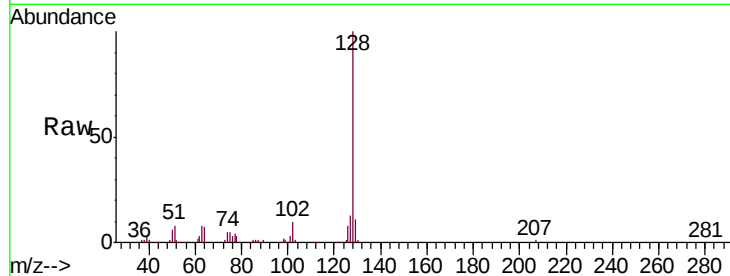




#95
Naphthalene
Concen: 22.071 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS02

Tgt Ion:128 Resp: 98472
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.815 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012366.D
Acq: 30 Aug 2019 23:28

Tgt Ion:180 Resp: 49160
Ion Ratio Lower Upper
180 100
182 96.5 47.1 141.3
145 31.7 16.2 48.5

