

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012201.D
 Acq On : 27 Aug 2019 10:13
 Operator : SY/VA
 Sample : VW0827SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

Quant Time: Aug 28 05:15:17 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	277039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	161716	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
35) Dibromofluoromethane	7.88	113	130690	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.32	98	540482	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	190891	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	28414	16.657	ug/l	98
3) Chloromethane	2.21	50	44996	17.026	ug/l	97
4) Vinyl Chloride	2.36	62	57928	17.908	ug/l	99
5) Bromomethane	2.77	94	27781	16.958	ug/l	96
6) Chloroethane	2.92	64	31684	17.363	ug/l	100
7) Trichlorofluoromethane	3.25	101	28452	17.517	ug/l	99
8) Diethyl Ether	3.68	74	28941	18.772	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50866	18.424	ug/l	99
10) Methyl Iodide	4.28	142	67127	17.970	ug/l	98
11) Tert butyl alcohol	5.18	59	22149	111.756	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	50383	18.131	ug/l	90
13) Acrolein	3.89	56	17604	94.361	ug/l	98
14) Allyl chloride	4.66	41	109618	18.452	ug/l	99
15) Acrylonitrile	5.37	53	71809	93.970	ug/l	99
16) Acetone	4.13	43	72022	85.553	ug/l	99
17) Carbon Disulfide	4.38	76	135389	16.121	ug/l	99
18) Methyl Acetate	4.67	43	41747	20.022	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	88580	19.712	ug/l	98
20) Methylene Chloride	4.92	84	57302	18.005	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	53978	18.114	ug/l	100
22) Diisopropyl ether	6.31	45	213958	19.430	ug/l	95
23) Vinyl Acetate	6.25	43	651452	96.130	ug/l	99
24) 1,1-Dichloroethane	6.21	63	112411	18.749	ug/l	99
25) 2-Butanone	7.17	43	109194	95.452	ug/l	99
26) 2,2-Dichloropropane	7.17	77	68722	20.250	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	60789	19.094	ug/l	98
28) Bromochloromethane	7.51	49	49855	19.078	ug/l	96
29) Tetrahydrofuran	7.53	42	66976	97.586	ug/l	99
30) Chloroform	7.67	83	104190	18.994	ug/l	99
31) Cyclohexane	7.96	56	105621	17.805	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	81494	18.780	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85264	18.805	ug/l	100
37) Ethyl Acetate	7.25	43	46960	18.900	ug/l	97
38) Carbon Tetrachloride	8.07	117	73625	18.761	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012201.D
 Acq On : 27 Aug 2019 10:13
 Operator : SY/VA
 Sample : VW0827SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

Quant Time: Aug 28 05:15:17 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)
39) Methylcyclohexane	9.34	83	93959	18.446	ug/l	97
40) Benzene	8.32	78	233328	18.846	ug/l	98
41) Methacrylonitrile	7.49	41	27446	18.795	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72993	18.811	ug/l	99
43) Isopropyl Acetate	8.42	43	90837	19.737	ug/l	100
44) Trichloroethene	9.09	130	57405	19.073	ug/l	95
45) 1,2-Dichloropropane	9.37	63	64350	19.312	ug/l	97
46) Dibromomethane	9.46	93	28286	19.080	ug/l	100
47) Bromodichloromethane	9.65	83	74675	18.926	ug/l	98
48) Methyl methacrylate	9.43	41	42154	19.244	ug/l	94
49) 1,4-Dioxane	9.46	88	8231	362.665	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	234995	100.387	ug/l	100
52) Toluene	10.39	92	140992	18.956	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	79244	19.717	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	93386	19.243	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	41598	19.831	ug/l	98
56) Ethyl methacrylate	10.65	69	61920	20.283	ug/l	99
57) 1,3-Dichloropropane	10.93	76	78361	19.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	158455	101.133	ug/l	100
59) 2-Hexanone	10.97	43	164109	99.079	ug/l	99
60) Dibromochloromethane	11.13	129	45461	19.458	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38111	19.502	ug/l	99
64) Tetrachloroethene	10.86	164	47401	19.342	ug/l	98
65) Chlorobenzene	11.66	112	144170	19.370	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	50750	19.545	ug/l	99
67) Ethyl Benzene	11.73	91	278992	19.459	ug/l	99
68) m/p-Xylenes	11.84	106	200173	38.759	ug/l	99
69) o-Xylene	12.16	106	93870	19.638	ug/l	99
70) Styrene	12.18	104	162859	19.684	ug/l	99
71) Bromoform	12.35	173	25565	19.762	ug/l #	99
73) Isopropylbenzene	12.46	105	271672	19.723	ug/l	100
74) N-amyl acetate	12.27	43	84104	20.209	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	48670	19.273	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	41386m	23.116	ug/l	
77) Bromobenzene	12.74	156	57827	19.405	ug/l	99
78) n-propylbenzene	12.80	91	327957	19.503	ug/l	99
79) 2-Chlorotoluene	12.89	91	186460	19.530	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	222307	19.314	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15933	19.512	ug/l	99
82) 4-Chlorotoluene	12.99	91	195667	19.573	ug/l	99
83) tert-Butylbenzene	13.21	119	195197	20.020	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	225866	19.535	ug/l	100
85) sec-Butylbenzene	13.38	105	273992	19.615	ug/l	100
86) p-Isopropyltoluene	13.50	119	246578	19.766	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	113371	19.450	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	111326	19.235	ug/l	98
89) n-Butylbenzene	13.82	91	243397	19.620	ug/l	99
90) Hexachloroethane	14.09	117	41923	19.155	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	101043	19.761	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8353	19.621	ug/l	98

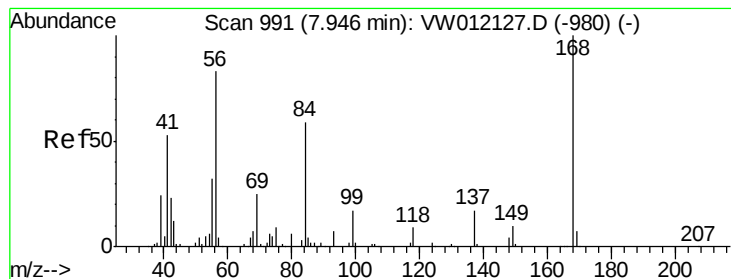
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
Data File : VW012201.D
Acq On : 27 Aug 2019 10:13
Operator : SY/VA
Sample : VW0827SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

Quant Time: Aug 28 05:15:17 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)
93) 1,2,4-Trichlorobenzene	15.13	180	73386	20.768	ug/l	97
94) Hexachlorobutadiene	15.24	225	46309	19.847	ug/l	98
95) Naphthalene	15.36	128	133736	21.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	64318	20.862	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

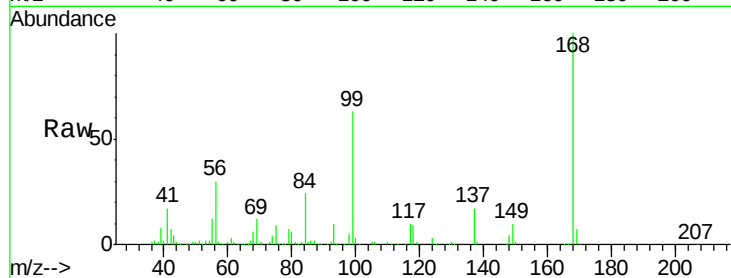
VW0827SBSD01

Tot Ion:168 Resp: 277039

Ion Ratio Lower Upper

168 100

99 63.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

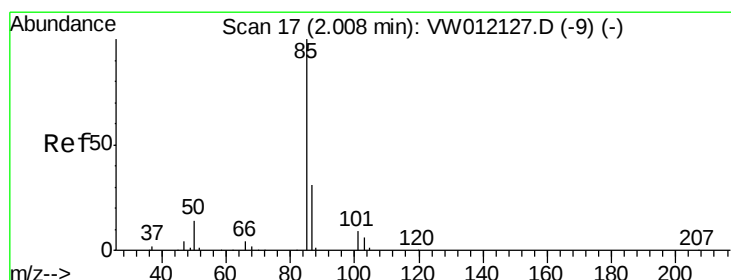
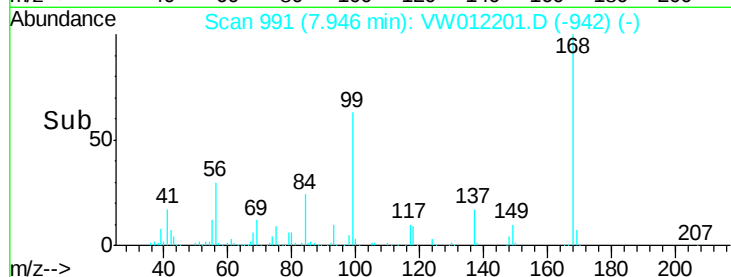
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.657 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012201.D

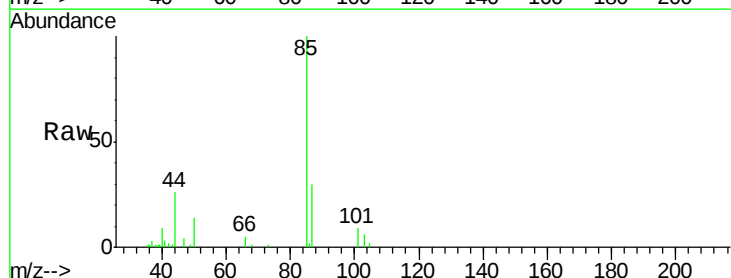
Acq: 27 Aug 2019 10:13

Tgt Ion: 85 Resp: 28414

Ion Ratio Lower Upper

85 100

87 30.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

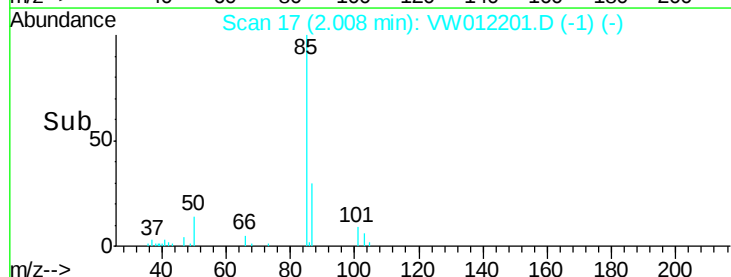
6000

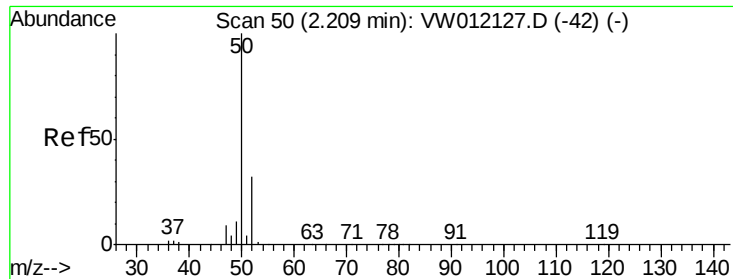
4000

2000

0

Time-->





#3

Chloromethane

Concen: 17.026 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

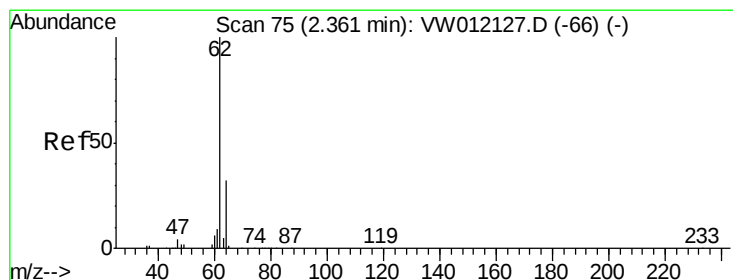
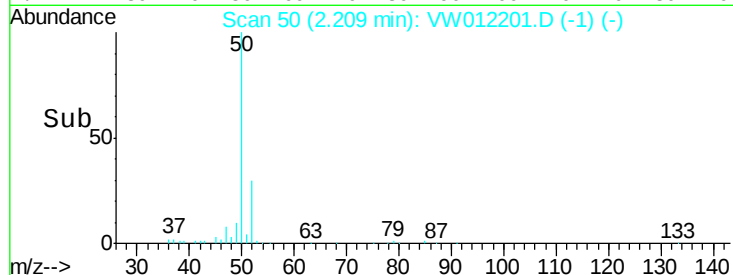
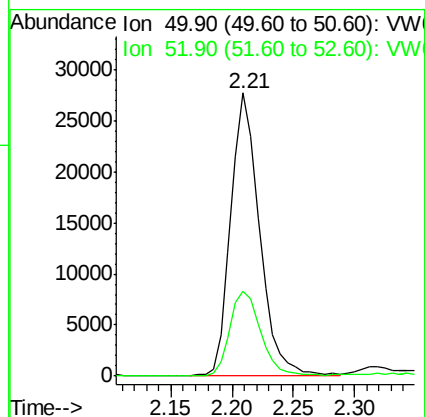
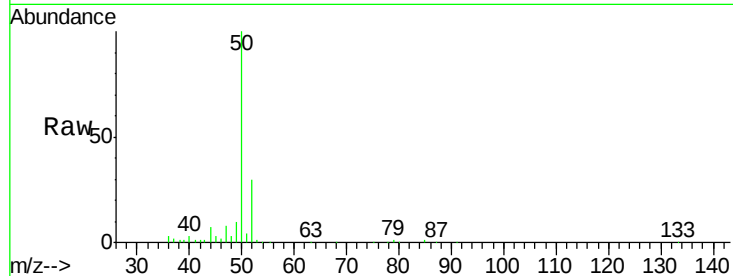
VW0827SBSD01

Tot Ion: 50 Resp: 44996

Ion Ratio Lower Upper

50 100

52 30.3 25.5 38.3



#4

Vinyl Chloride

Concen: 17.908 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012201.D

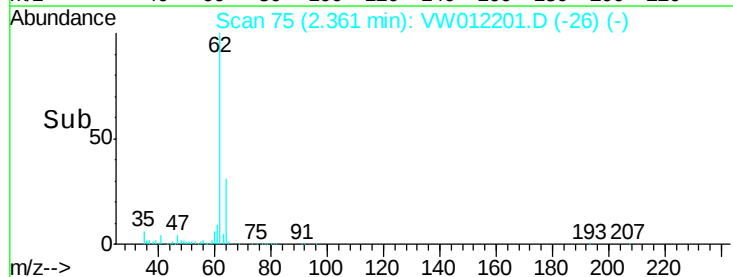
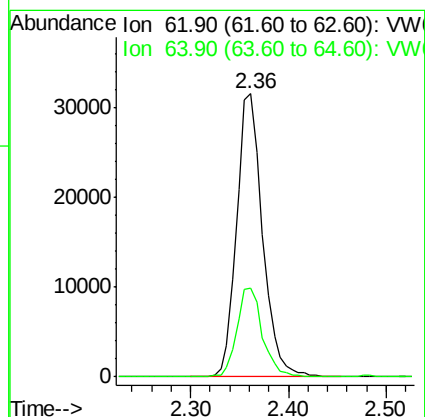
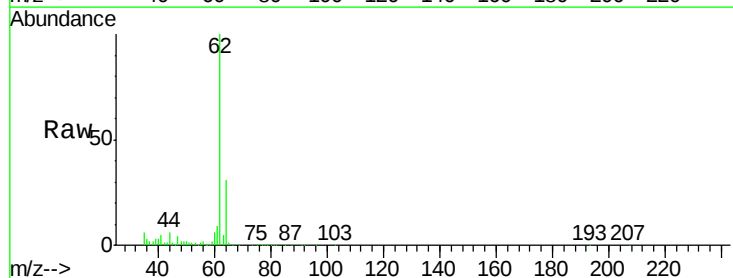
Acq: 27 Aug 2019 10:13

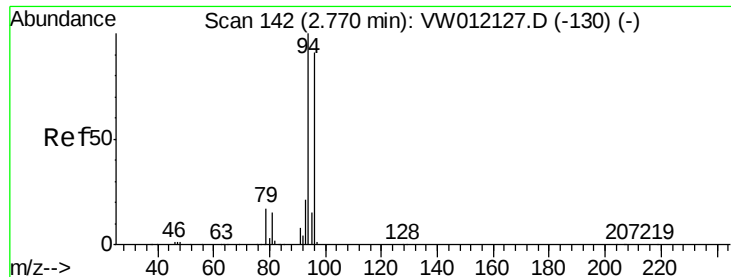
Tgt Ion: 62 Resp: 57928

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 16.958 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

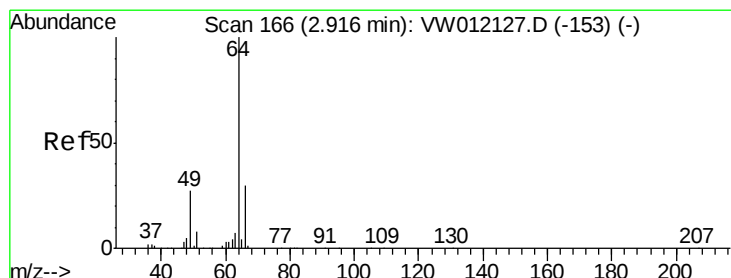
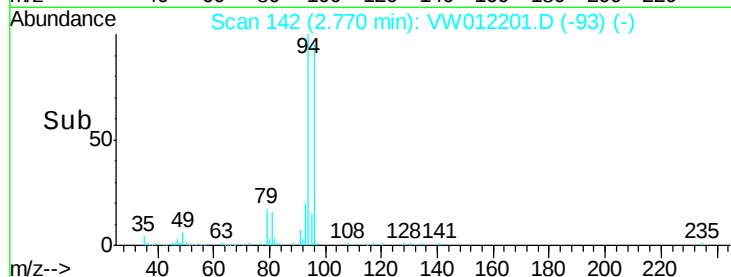
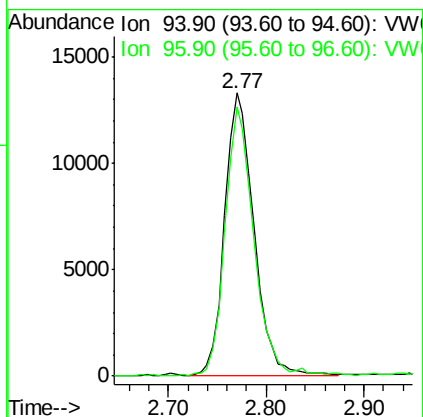
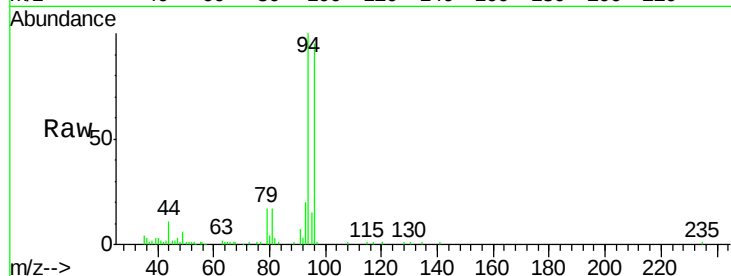
VW0827SBSD01

Tot Ion: 94 Resp: 27781

Ion Ratio Lower Upper

94 100

96 95.3 72.9 109.3



#6

Chloroethane

Concen: 17.363 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012201.D

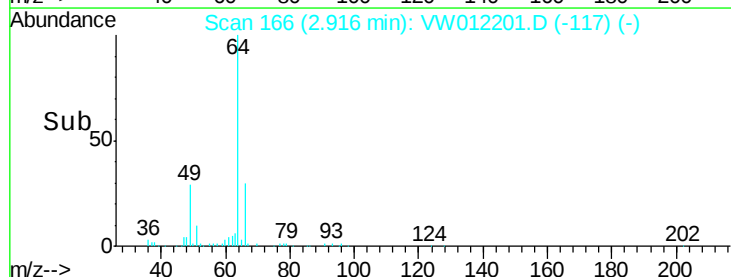
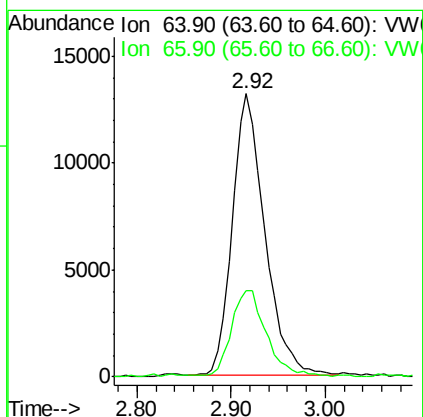
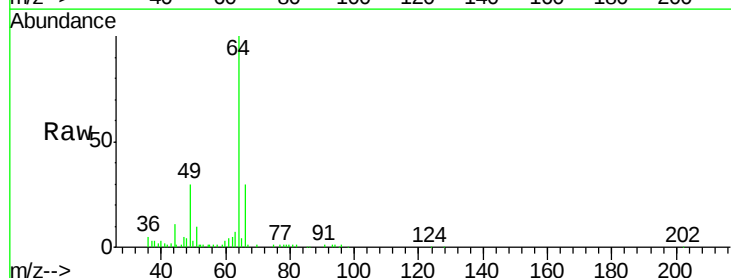
Acq: 27 Aug 2019 10:13

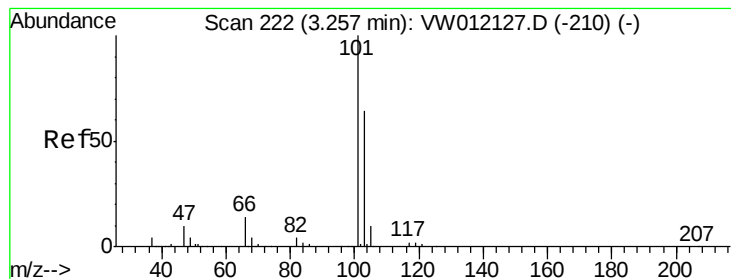
Tgt Ion: 64 Resp: 31684

Ion Ratio Lower Upper

64 100

66 30.0 23.8 35.8



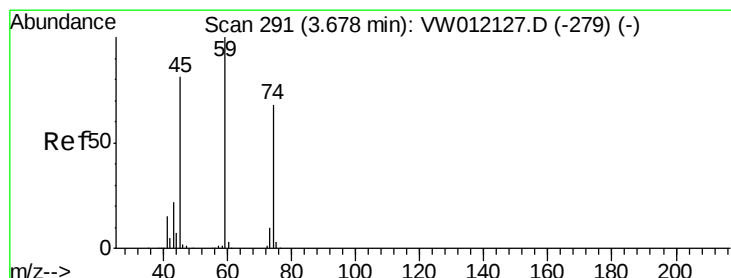
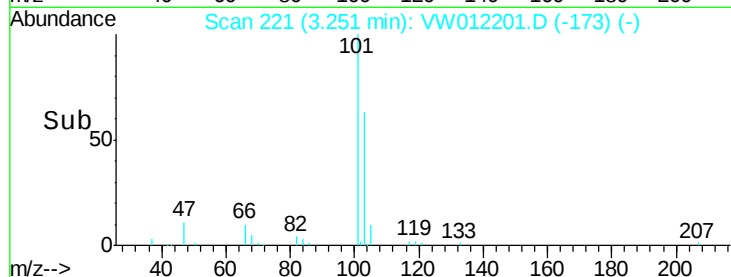
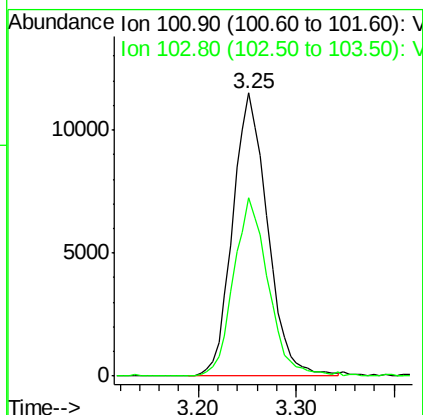
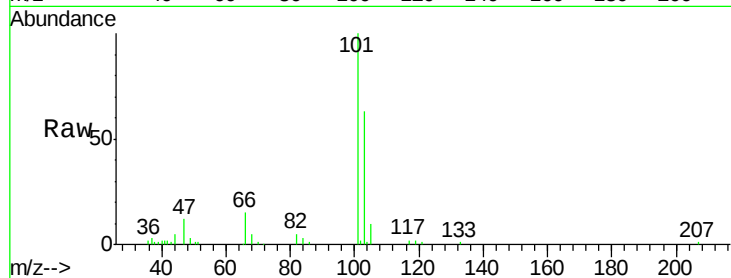


#7

Trichlorofluoromethane
 Concen: 17.517 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

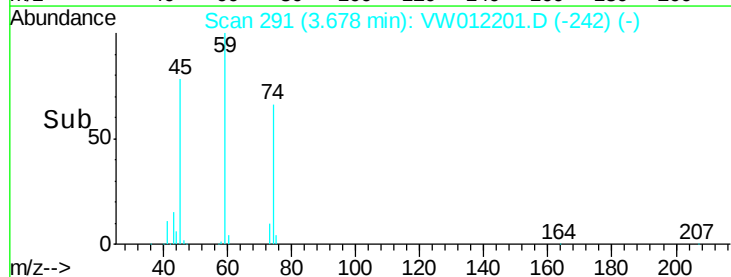
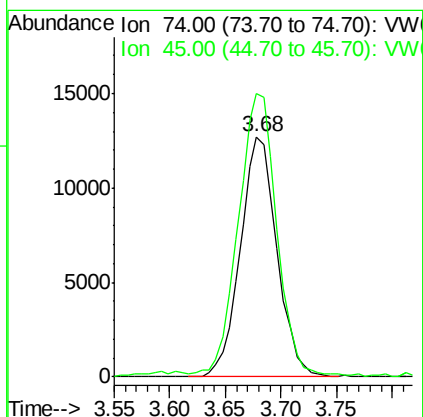
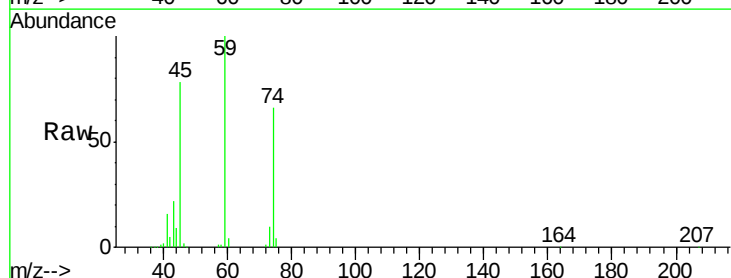
Tot Ion:101 Resp: 28452
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.2 76.8

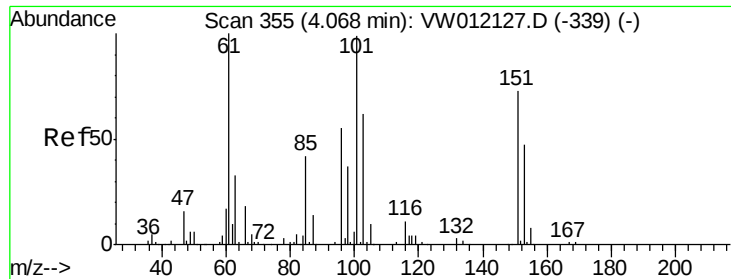


#8

Diethyl Ether
 Concen: 18.772 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion: 74 Resp: 28941
 Ion Ratio Lower Upper
 74 100
 45 125.4 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.424 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampled :

VW0827SBSD01

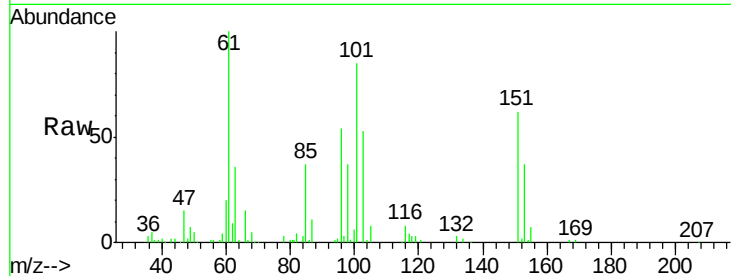
Tot Ion:101 Resp: 50866

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.6

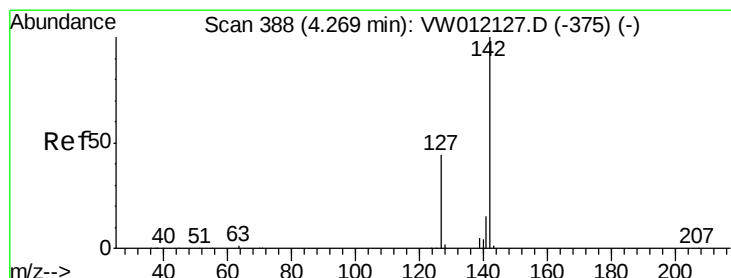
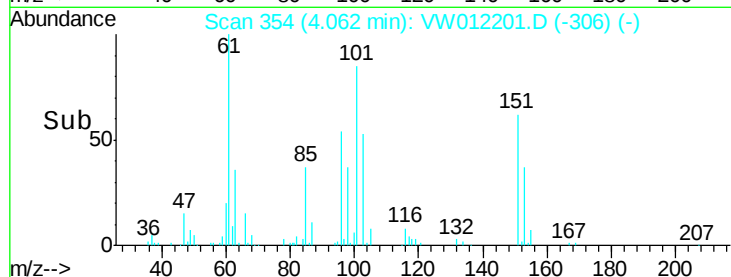
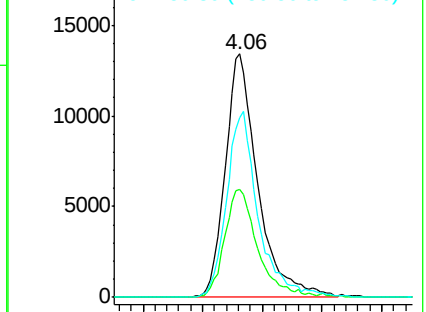
151 74.1 58.6 87.8



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: 17.970 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

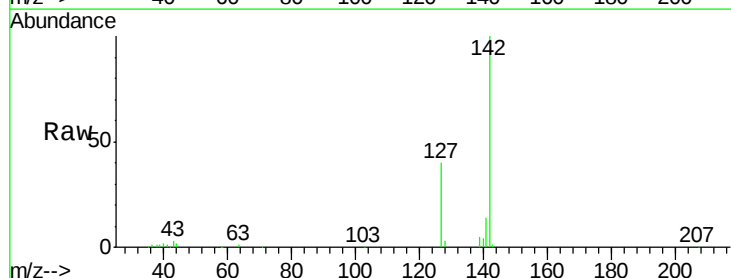
Tgt Ion:142 Resp: 67127

Ion Ratio Lower Upper

142 100

127 43.3 35.5 53.3

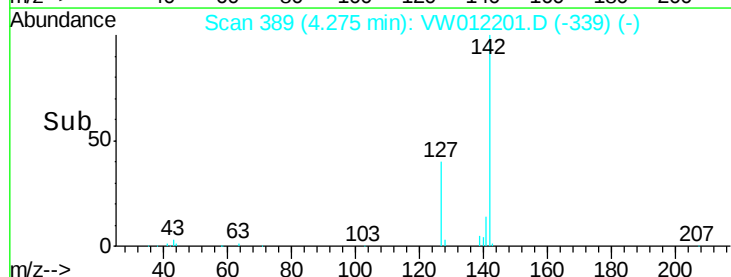
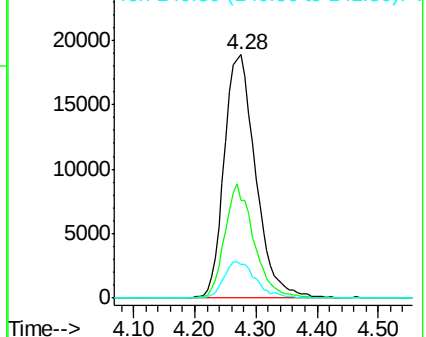
141 15.2 11.8 17.8

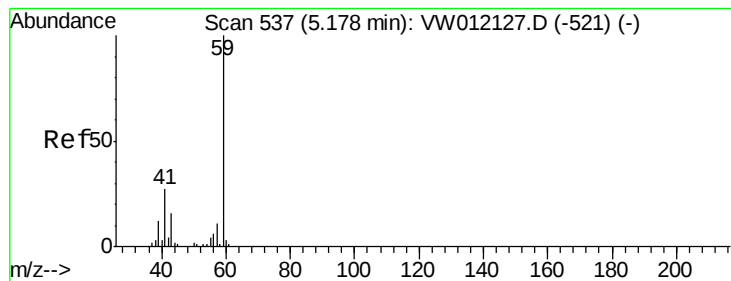


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



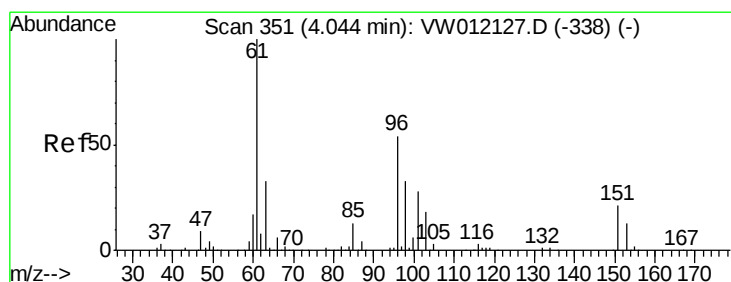
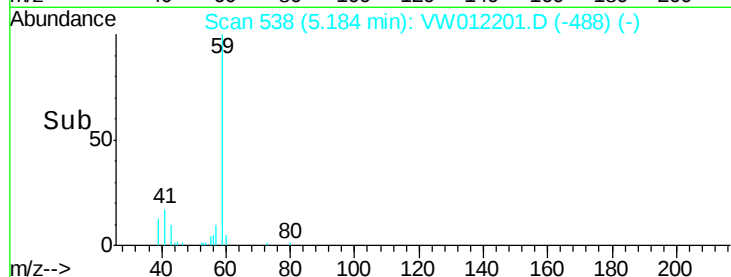
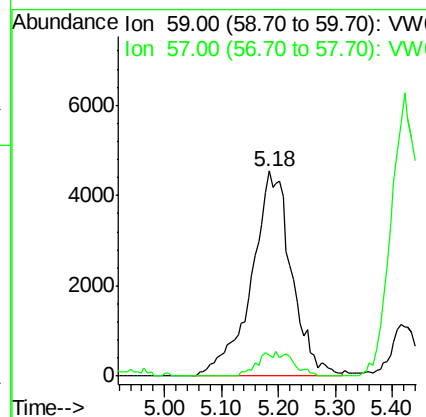
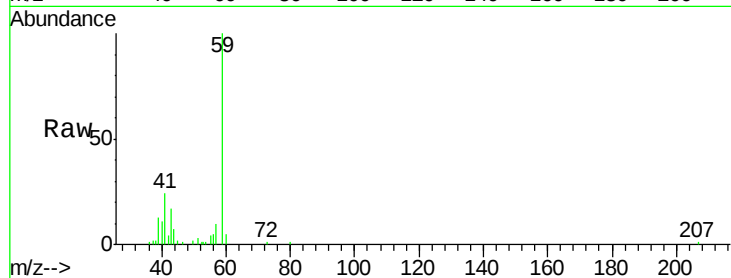


#11

Tert butyl alcohol
 Concen: 111.756 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS01

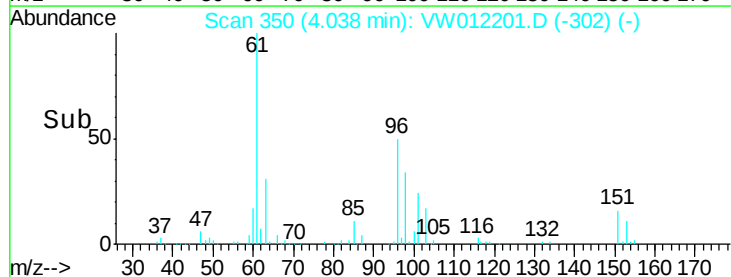
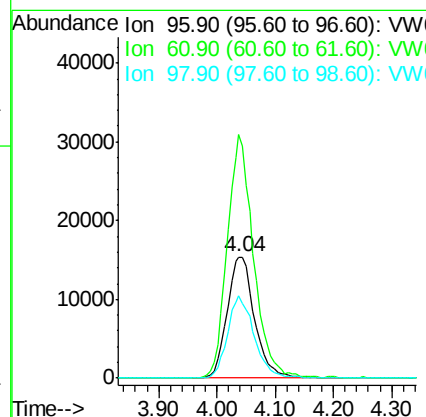
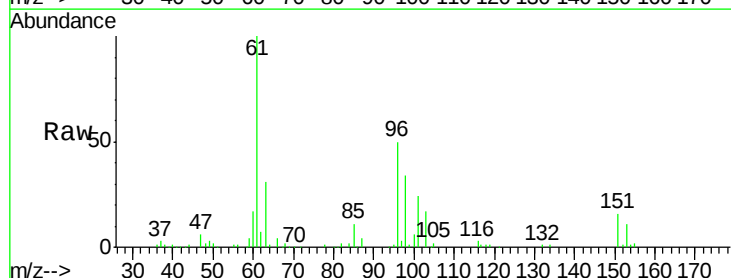
Tot Ion: 59 Resp: 22149
 Ion Ratio Lower Upper
 59 100
 57 4.8 9.0 13.4#

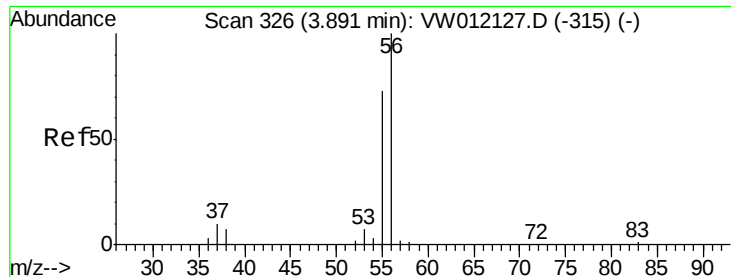


#12

1,1-Dichloroethene
 Concen: 18.131 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion: 96 Resp: 50383
 Ion Ratio Lower Upper
 96 100
 61 200.9 149.1 223.7
 98 68.1 49.4 74.2





#13

Acrolein

Concen: 94.361 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

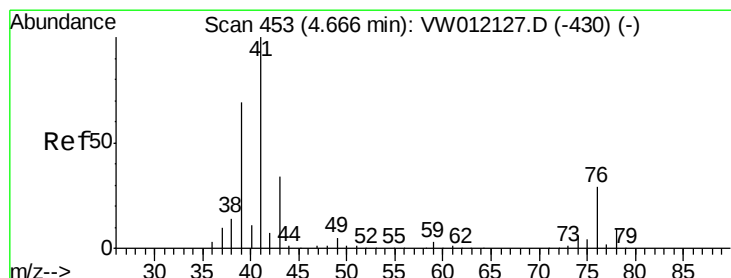
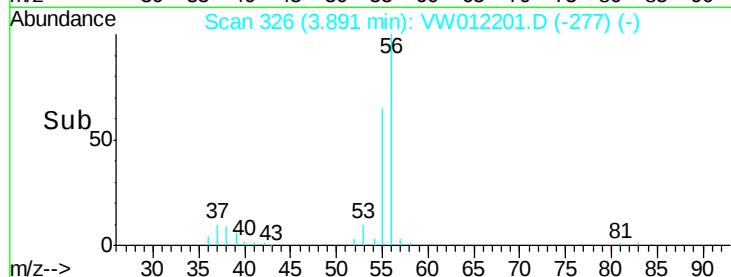
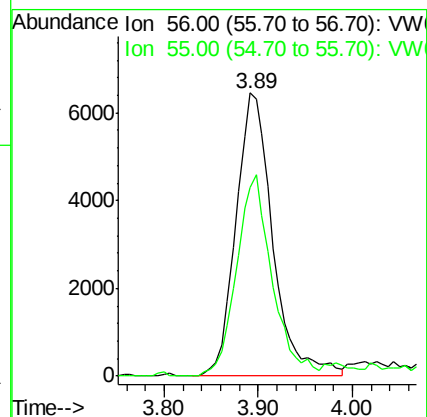
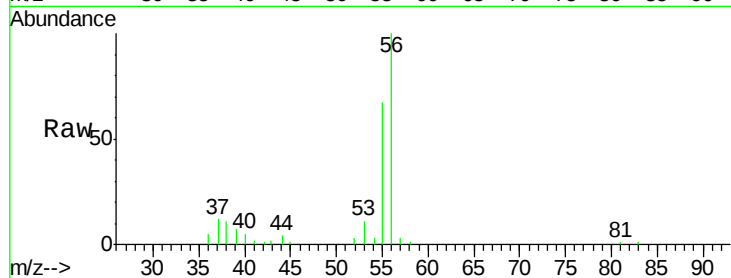
VW0827SBSD01

Tot Ion: 56 Resp: 17604

Ion Ratio Lower Upper

56 100

55 68.4 55.8 83.8



#14

Allyl chloride

Concen: 18.452 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

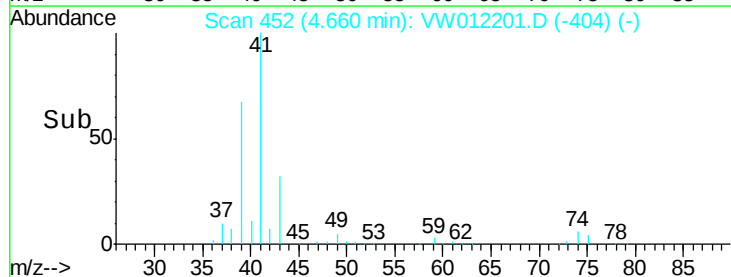
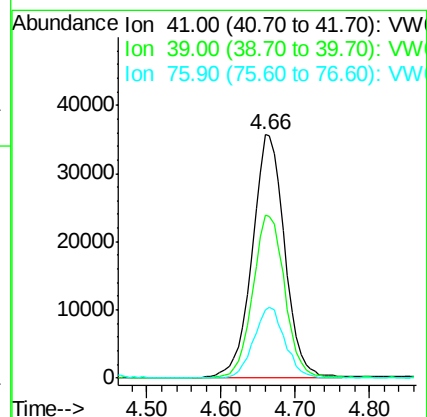
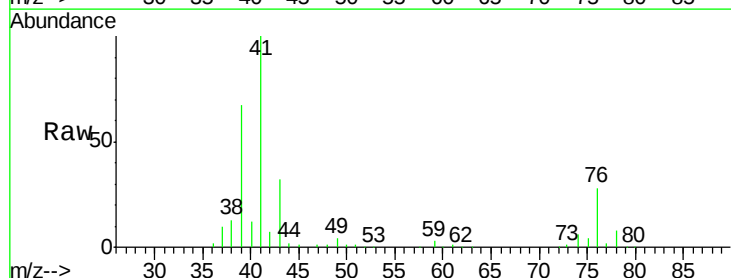
Tgt Ion: 41 Resp: 109618

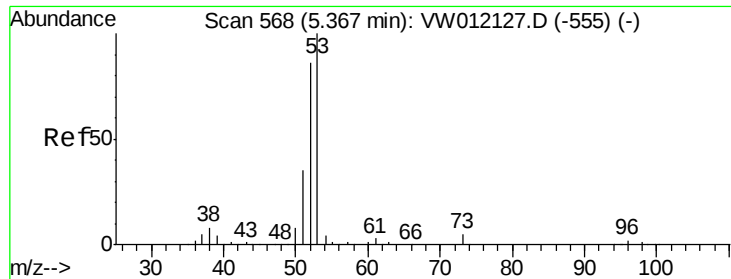
Ion Ratio Lower Upper

41 100

39 66.3 53.4 80.2

76 27.8 22.1 33.1





#15

Acrylonitrile

Concen: 93.970 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS01

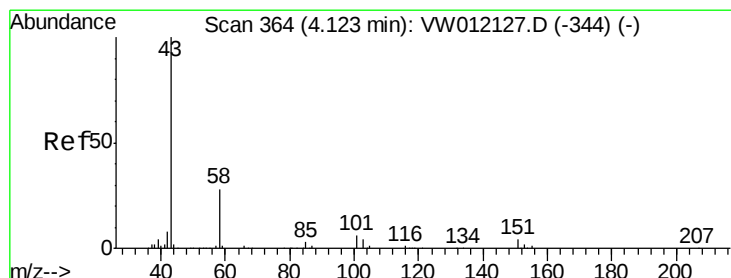
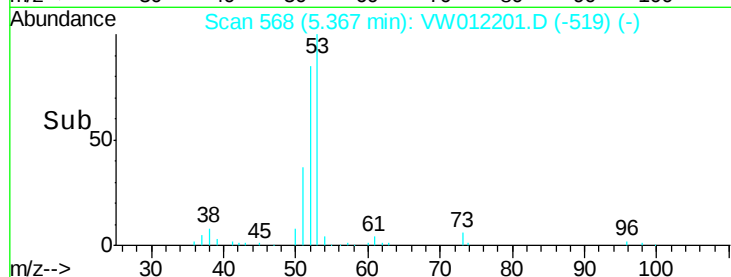
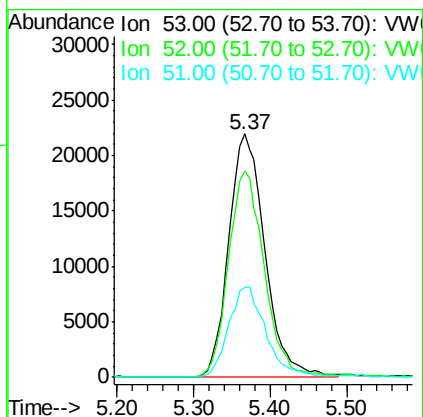
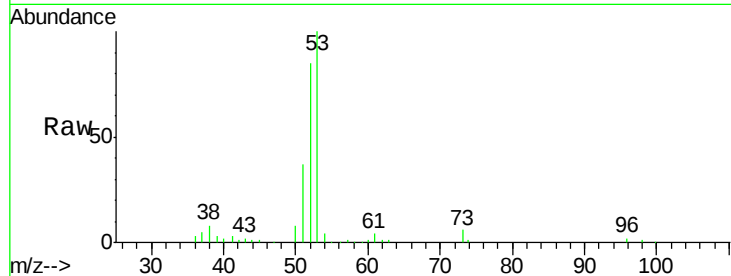
Tot Ion: 53 Resp: 71809

Ion Ratio Lower Upper

53 100

52 84.3 66.7 100.1

51 38.6 30.1 45.1



#16

Acetone

Concen: 85.553 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012201.D

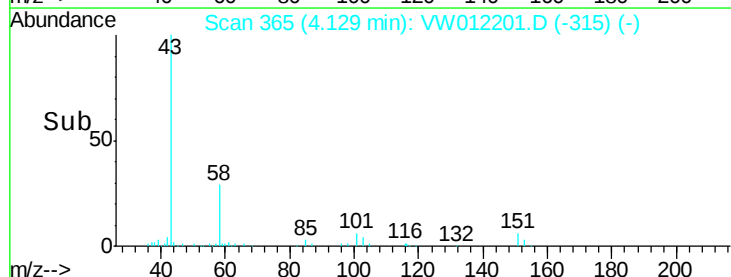
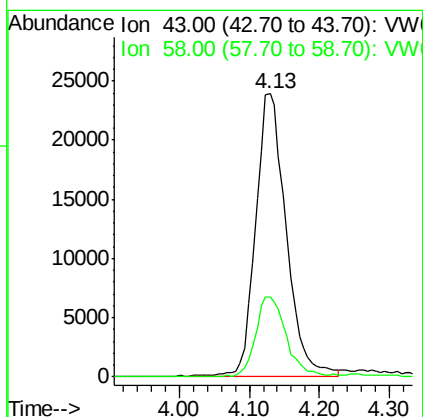
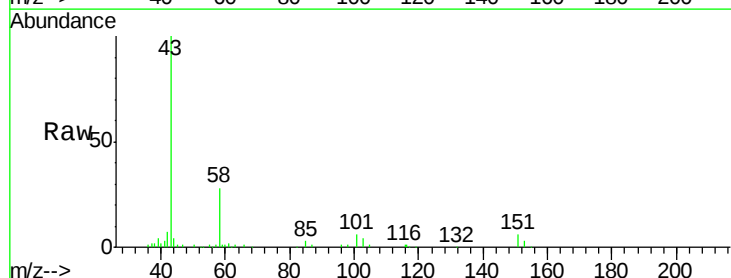
Acq: 27 Aug 2019 10:13

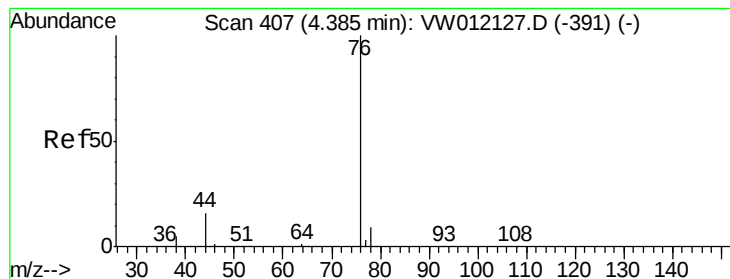
Tgt Ion: 43 Resp: 72022

Ion Ratio Lower Upper

43 100

58 28.4 22.4 33.6





#17

Carbon Disulfide

Concen: 16.121 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

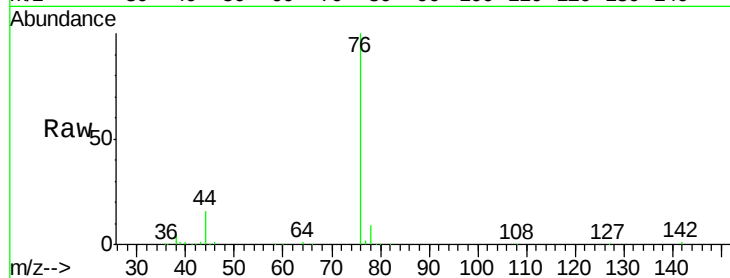
VW0827SBSD01

Tot Ion: 76 Resp: 135389

Ion Ratio Lower Upper

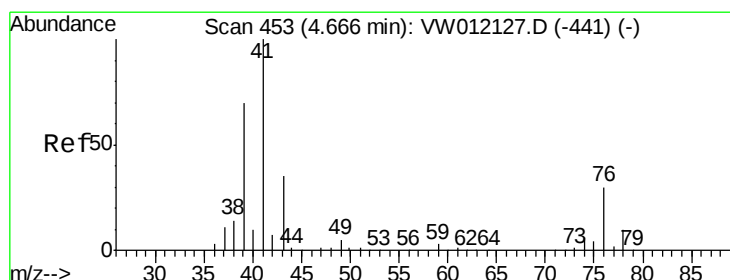
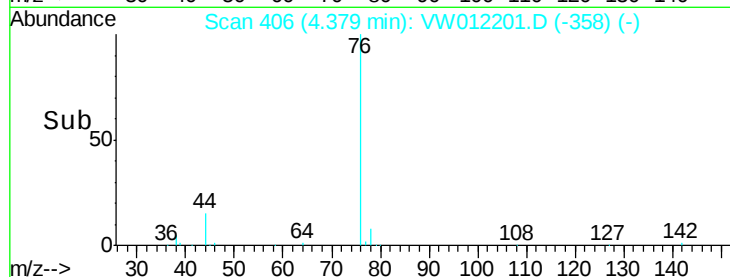
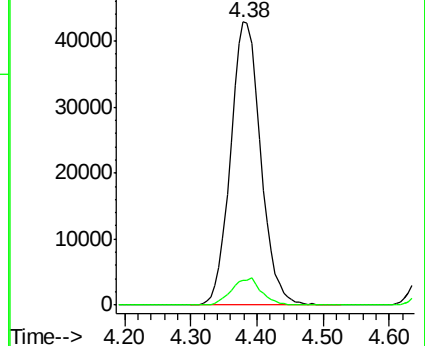
76 100

78 8.8 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: 20.022 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012201.D

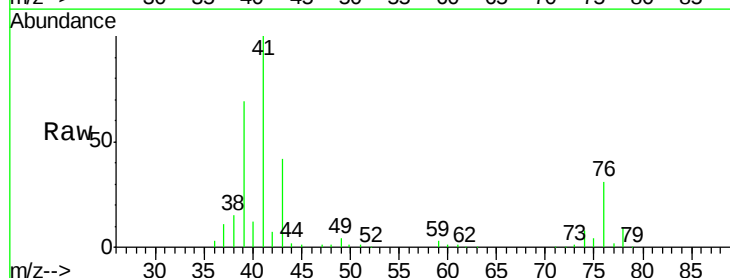
Acq: 27 Aug 2019 10:13

Tgt Ion: 43 Resp: 41747

Ion Ratio Lower Upper

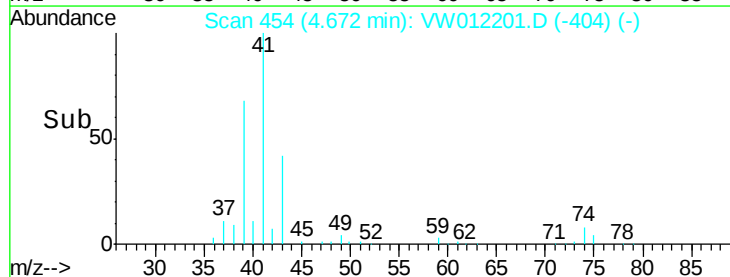
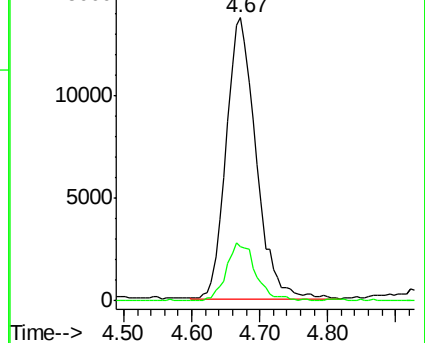
43 100

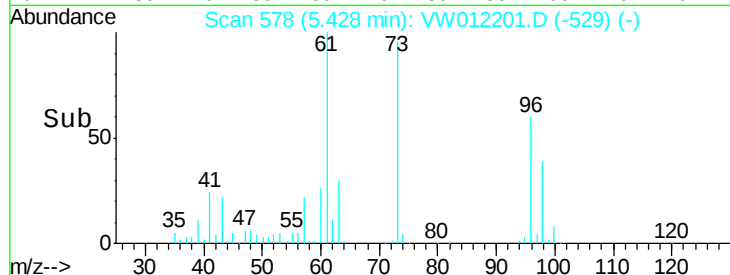
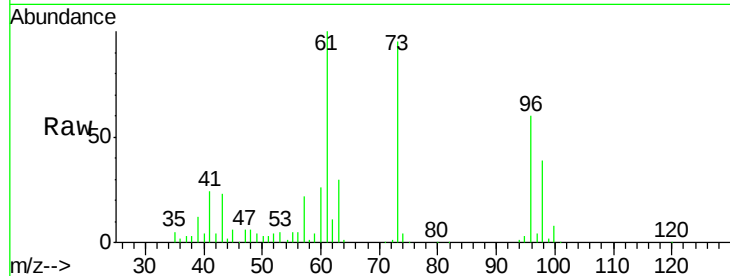
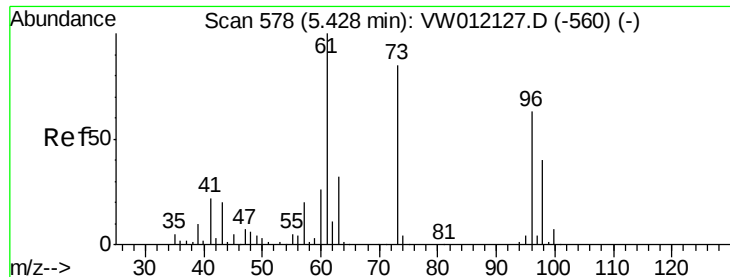
74 20.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

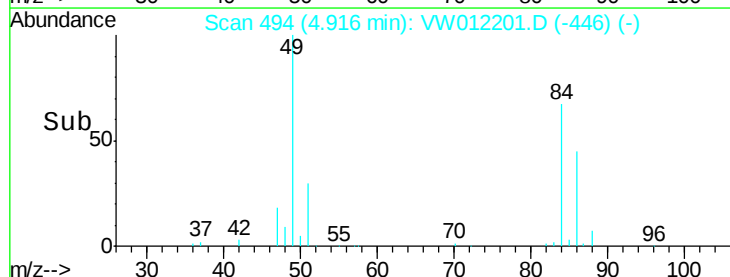
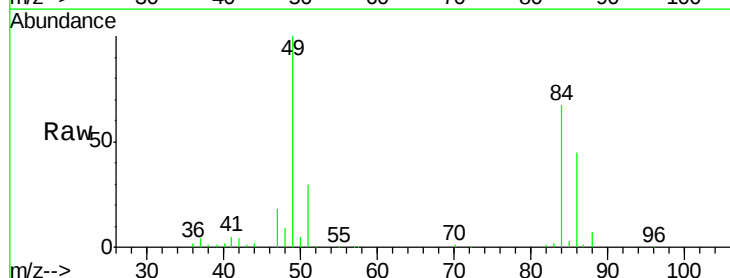
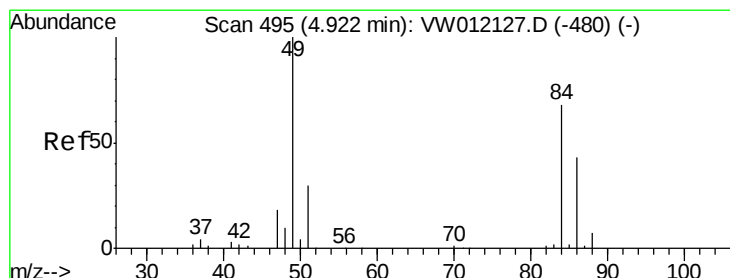
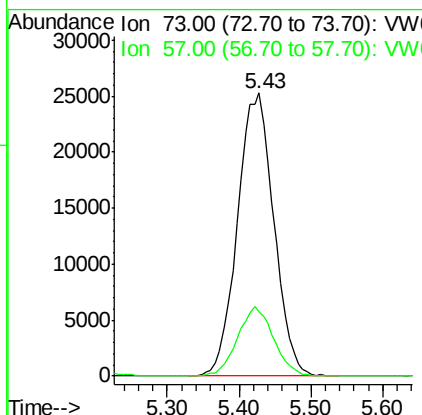




#19
Methyl tert-butyl Ether
Concen: 19.712 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

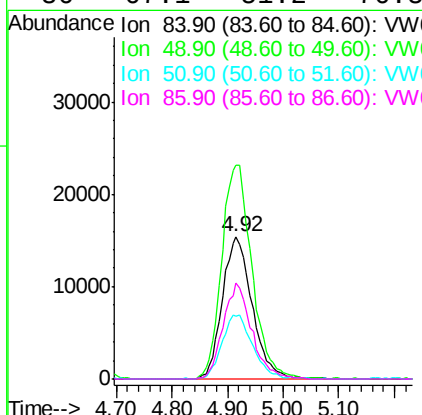
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

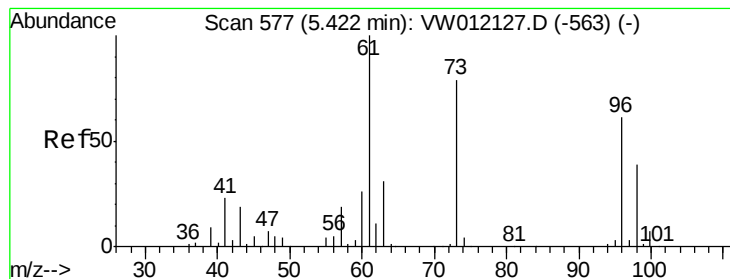
Tot Ion: 73 Resp: 88580
Ion Ratio Lower Upper
73 100
57 22.6 18.9 28.3



#20
Methylene Chloride
Concen: 18.005 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Tgt Ion: 84 Resp: 57302
Ion Ratio Lower Upper
84 100
49 149.7 117.8 176.8
51 44.3 35.6 53.4
86 67.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.114 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD01

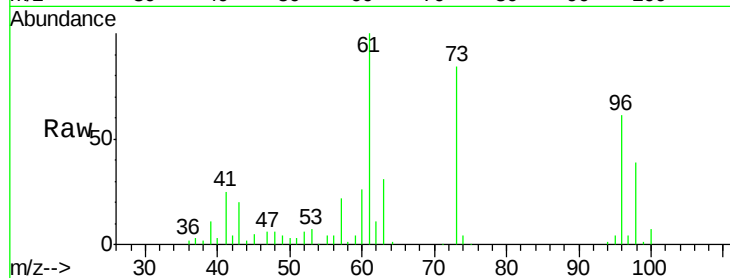
Tot Ion: 96 Resp: 53978

Ion Ratio Lower Upper

96 100

61 164.7 131.4 197.0

98 64.5 51.4 77.0

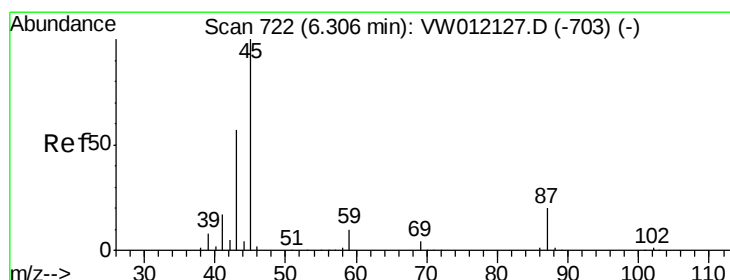
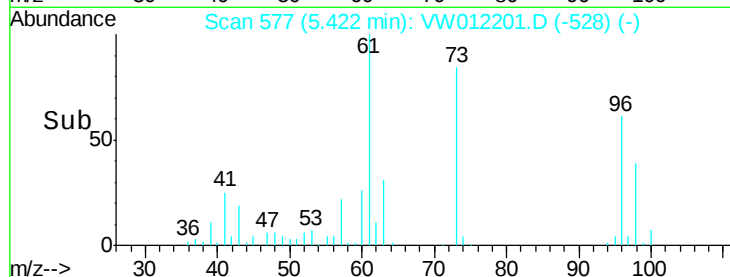
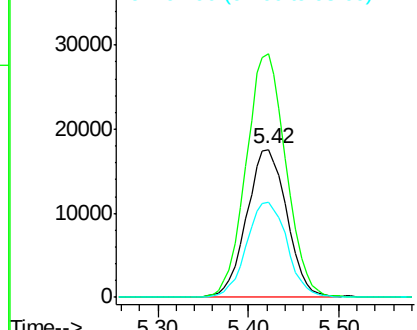


Abundance

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: 19.430 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Tgt Ion: 45 Resp: 213958

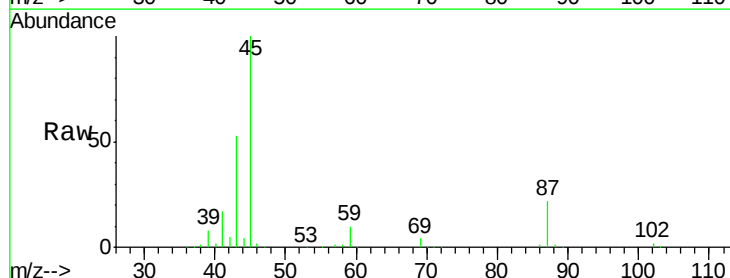
Ion Ratio Lower Upper

45 100

43 52.6 45.5 68.3

87 21.6 16.1 24.1

59 10.3 8.2 12.2



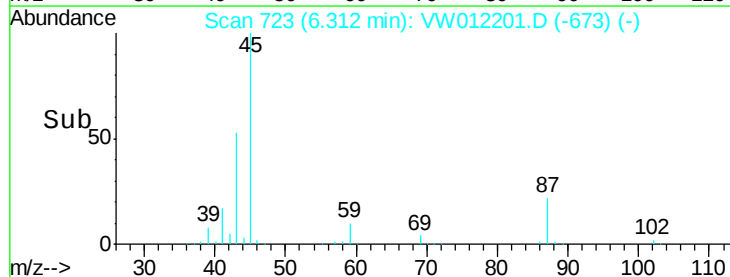
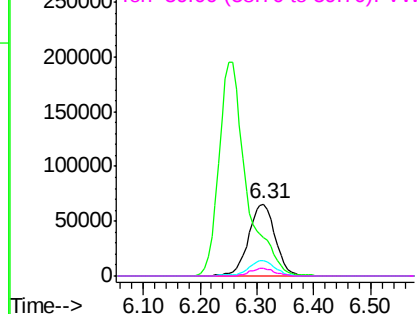
Abundance

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: 96.130 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleID :

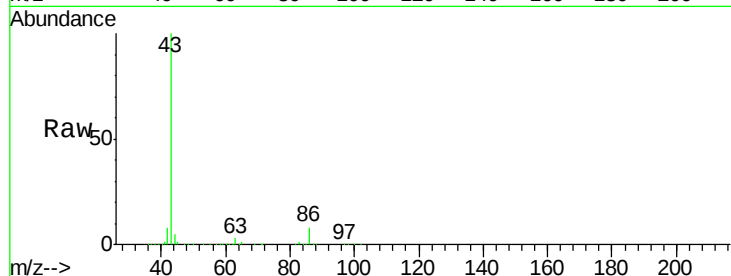
VW0827SBS01

Tot Ion: 43 Resp: 651452

Ion Ratio Lower Upper

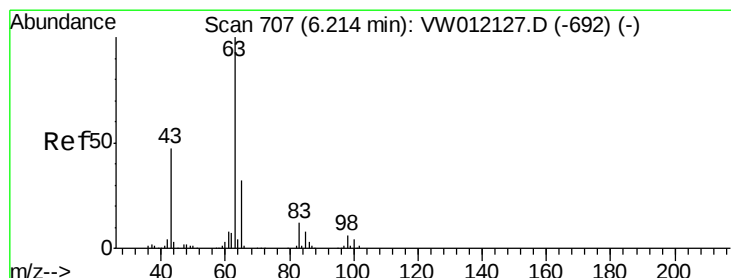
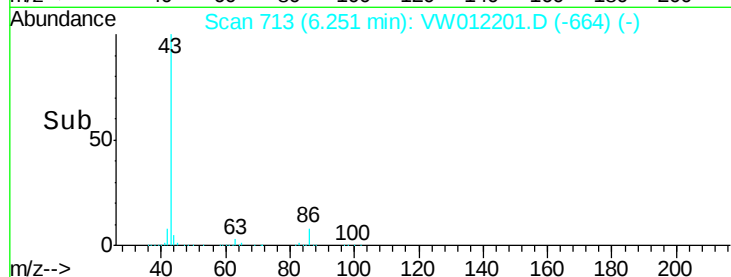
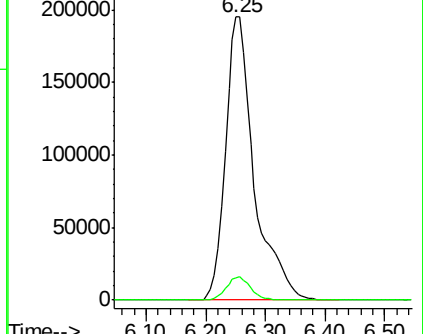
43 100

86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 18.749 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

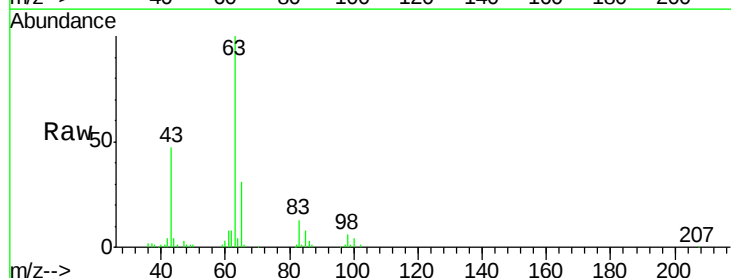
Tgt Ion: 63 Resp: 112411

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

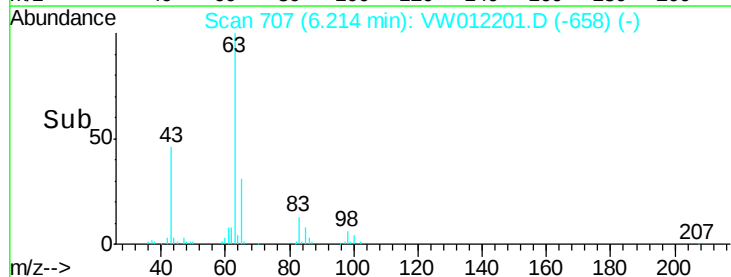
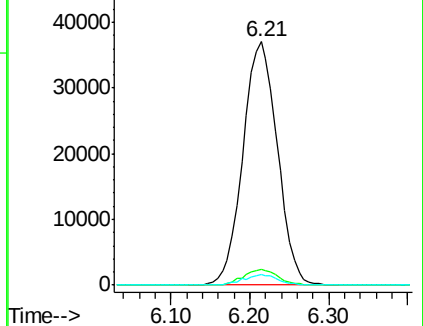
100 4.2 2.0 6.0

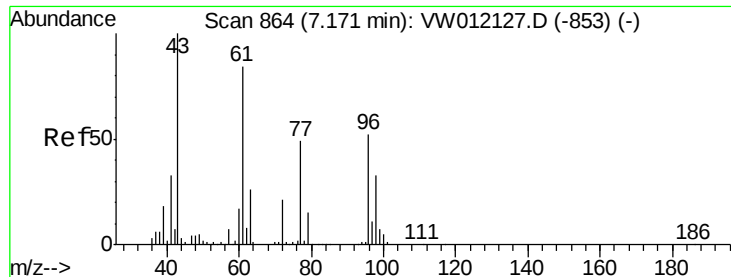


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 95.452 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

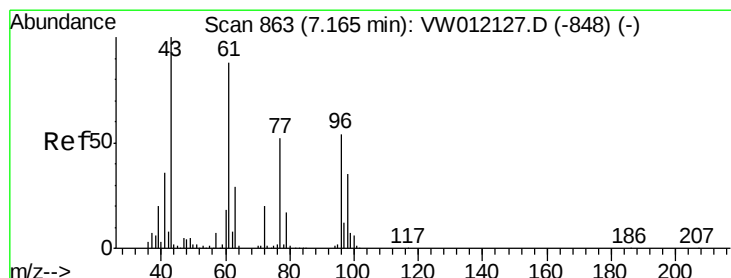
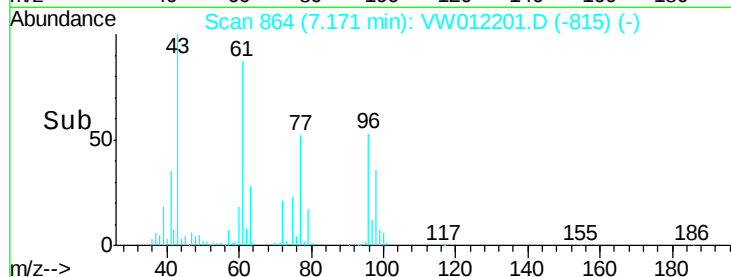
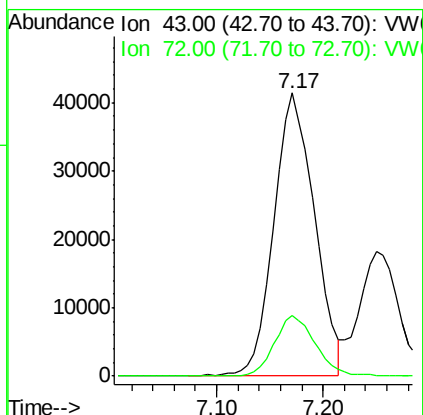
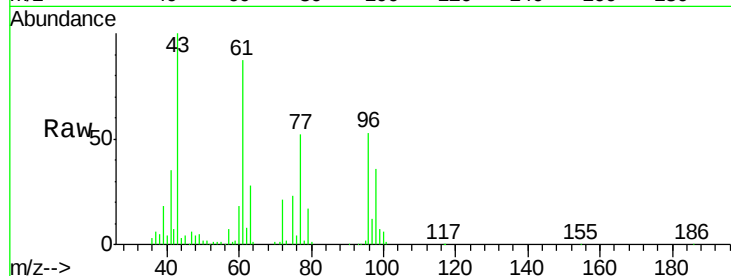
VW0827SBSD01

Tot Ion: 43 Resp: 109194

Ion Ratio Lower Upper

43 100

72 21.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.250 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012201.D

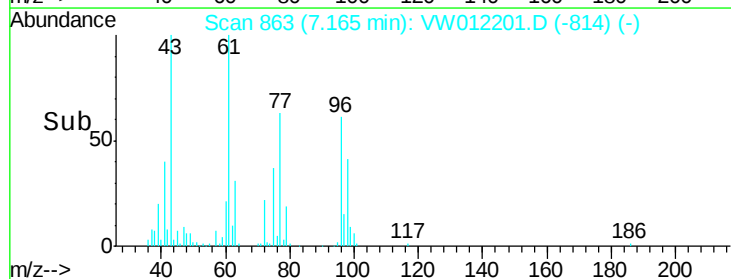
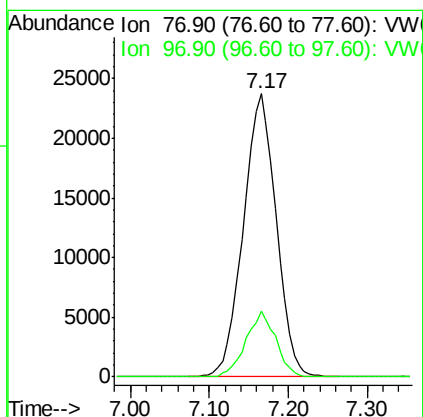
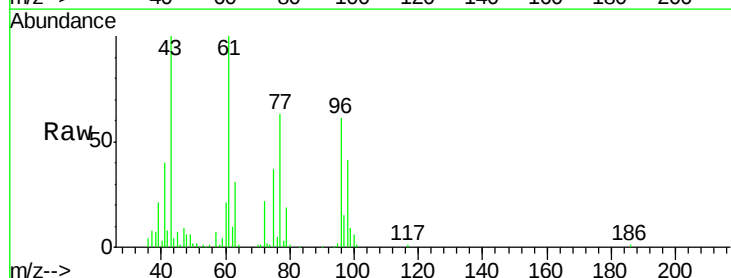
Acq: 27 Aug 2019 10:13

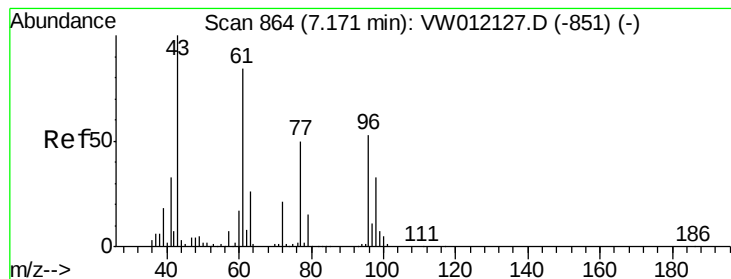
Tgt Ion: 77 Resp: 68722

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.1



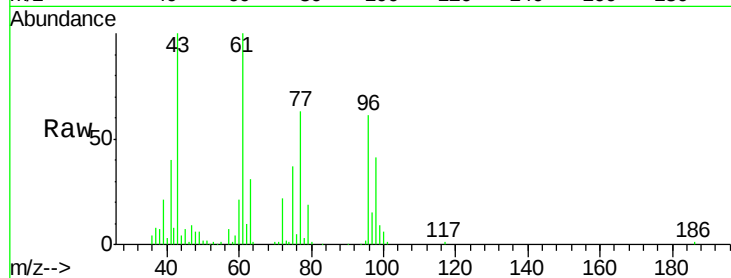


#27

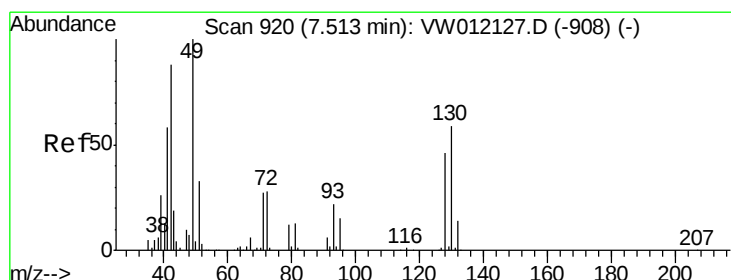
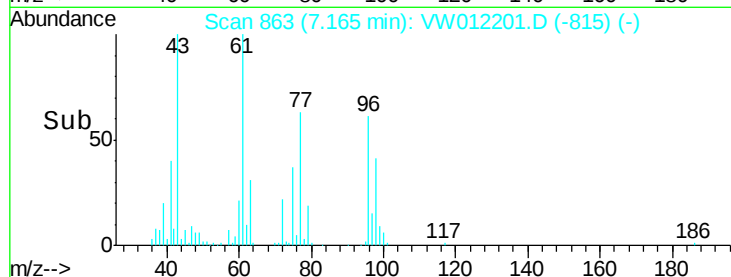
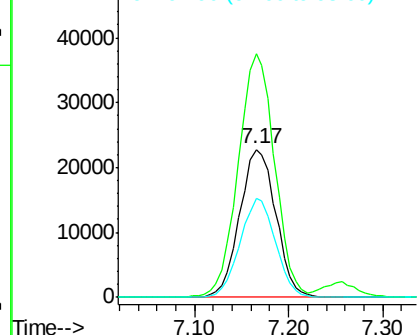
cis-1,2-Dichloroethene
Concen: 19.094 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

Tot Ion: 96 Resp: 60789
Ion Ratio Lower Upper
96 100
61 166.0 0.0 326.6
98 65.7 0.0 127.4



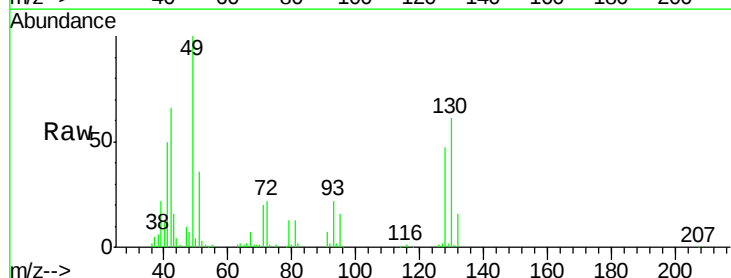
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



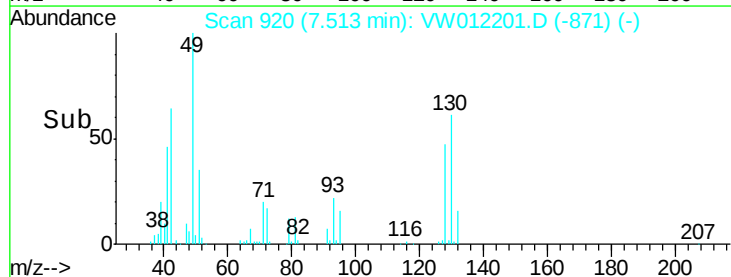
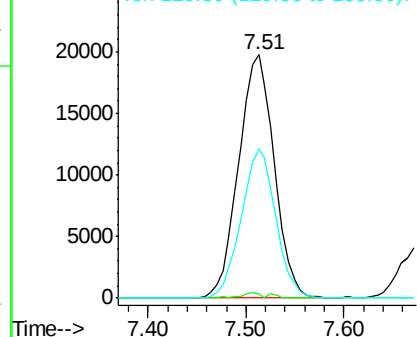
#28

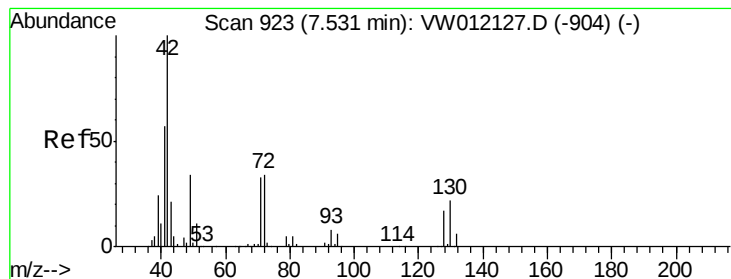
Bromochloromethane
Concen: 19.078 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Tgt Ion: 49 Resp: 49855
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.4
130 59.5 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: 97.586 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

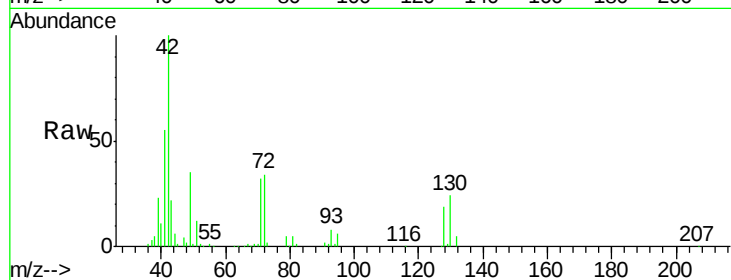
Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

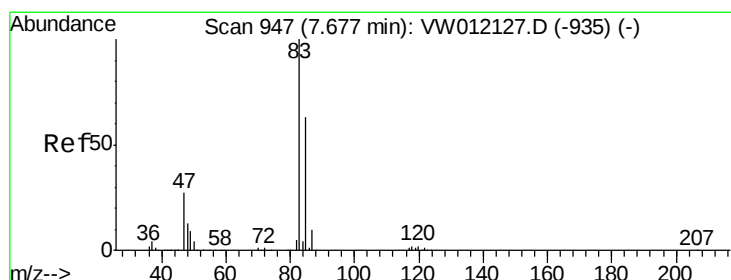
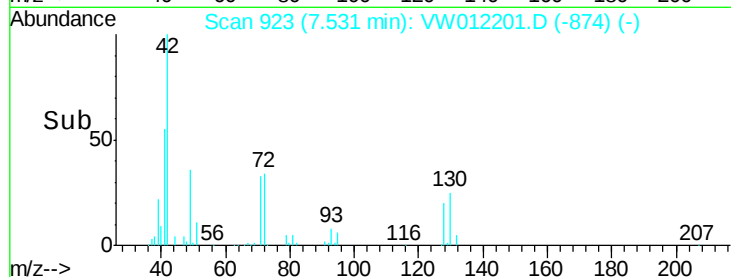
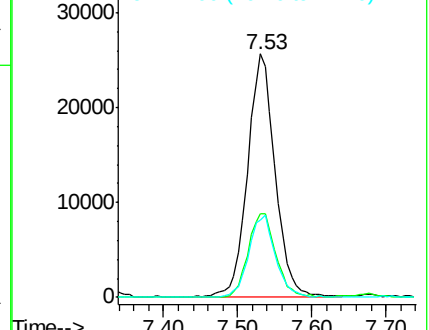
Instrument :
MSVOA_W
ClientSampled :
VW0827SBS01

Tot Ion: 42 Resp: 66976

Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.3	40.9
71	32.4	25.5	38.3



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



#30

Chloroform

Concen: 18.994 ug/l

RT: 7.67 min Scan# 946

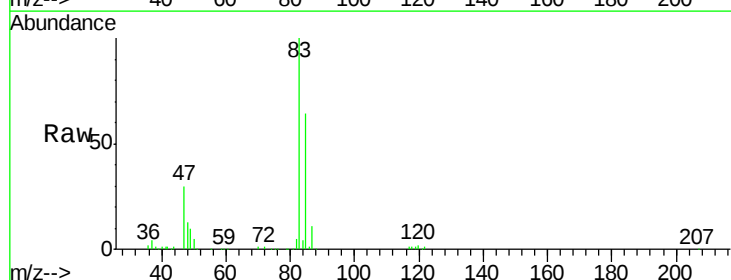
Delta R.T. -0.01 min

Lab File: VW012201.D

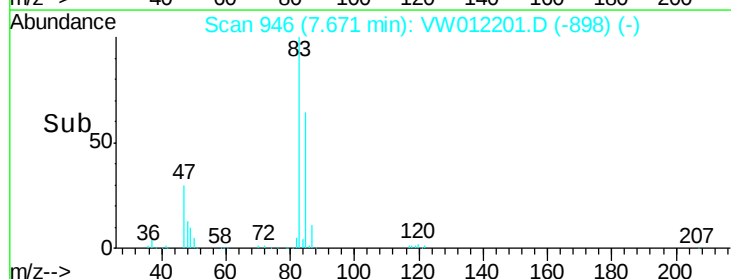
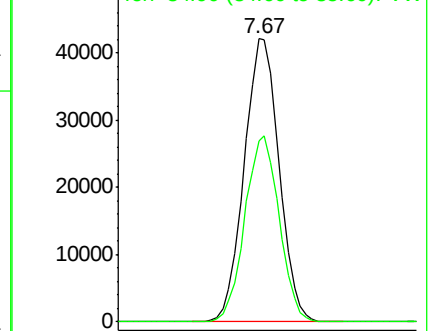
Acq: 27 Aug 2019 10:13

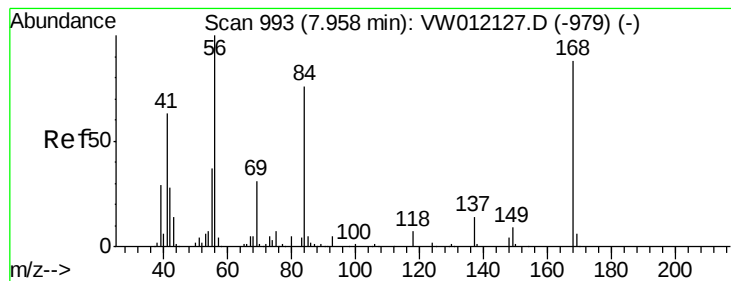
Tgt Ion: 83 Resp: 104190

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	76.0



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





#31

Cyclohexane

Concen: 17.805 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW012201.D

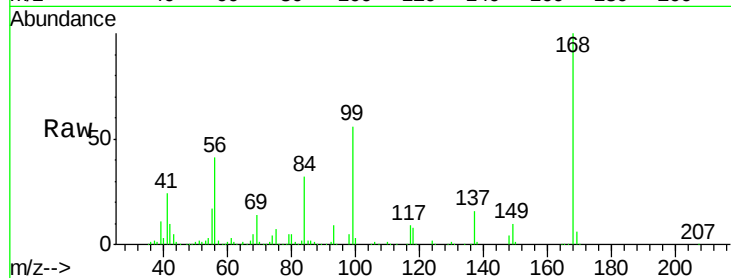
Acq: 27 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

Tot Ion: 56 Resp: 105621

Ion	Ratio	Lower	Upper
56	100		
69	33.9	24.9	37.3
84	76.8	60.6	90.8

56	100		
69	33.9	24.9	37.3
84	76.8	60.6	90.8

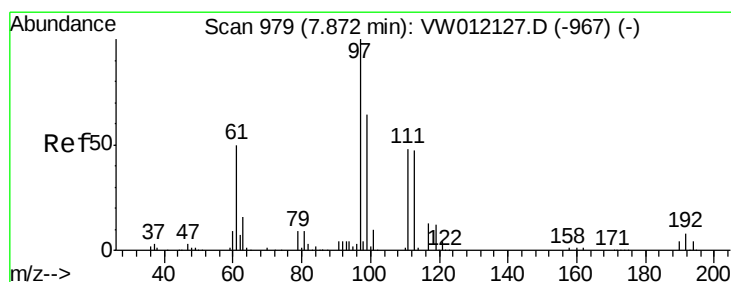
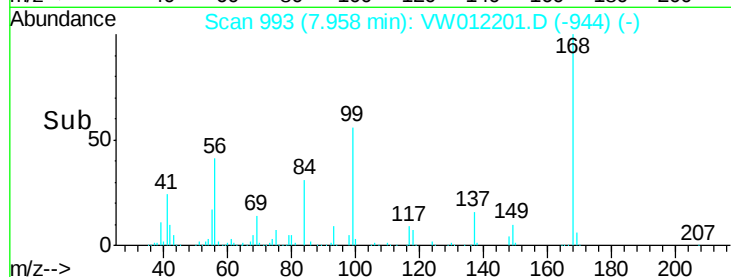
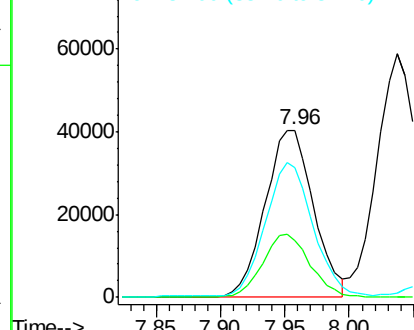


Abundance

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: 18.780 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

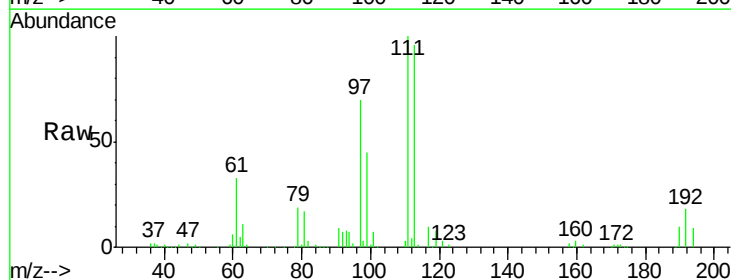
Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Tgt Ion: 97 Resp: 81494

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	48.9	39.5	59.3

97	100		
99	63.5	51.4	77.0
61	48.9	39.5	59.3

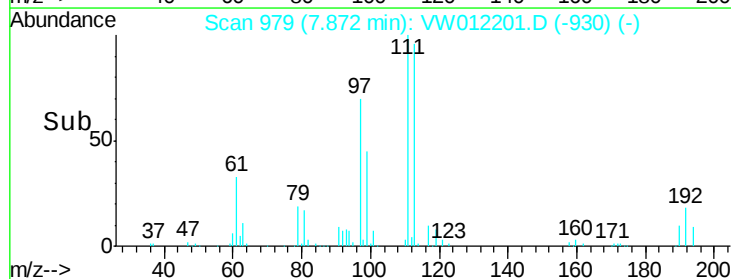
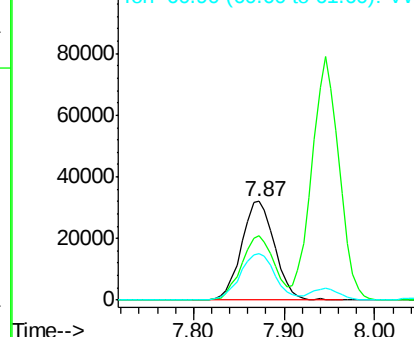


Abundance

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

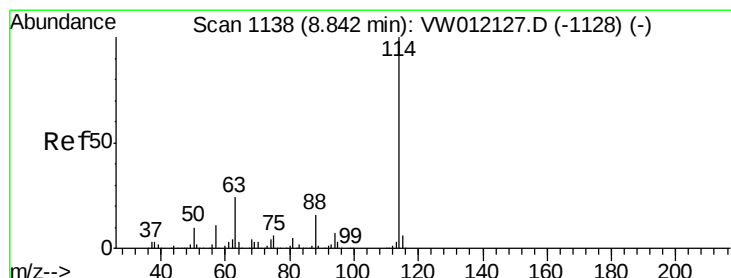
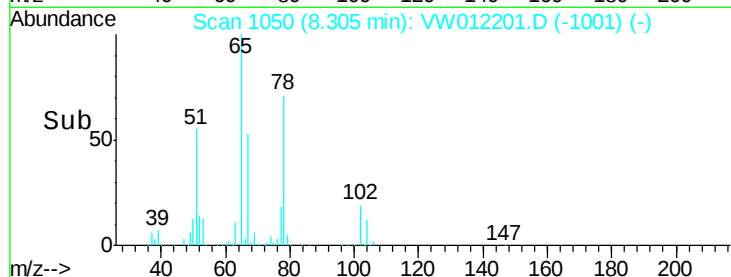
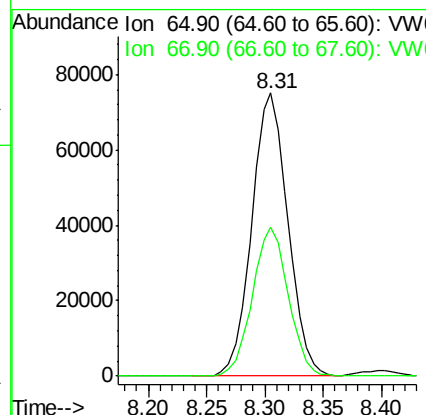
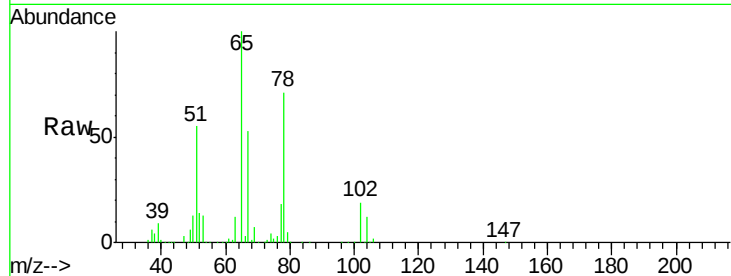




#33
 1,2-Dichloroethane-d4
 Concen: 49.104 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

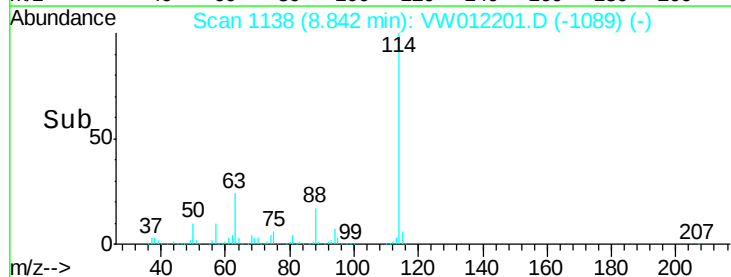
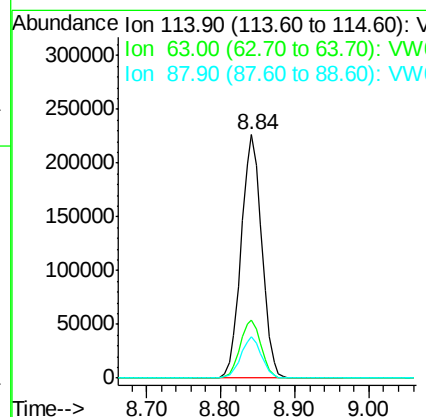
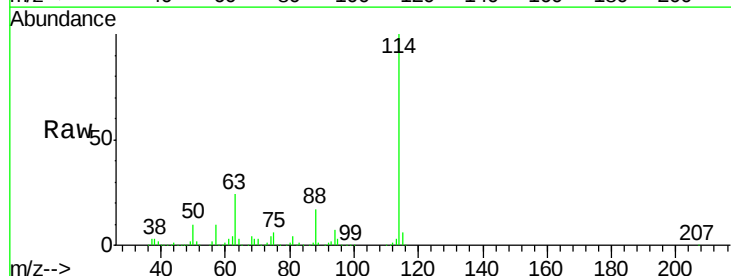
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

Tot Ion: 65 Resp: 161716
 Ion Ratio Lower Upper
 65 100
 67 52.5 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: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion: 114 Resp: 438768
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 17.1 0.0 32.2

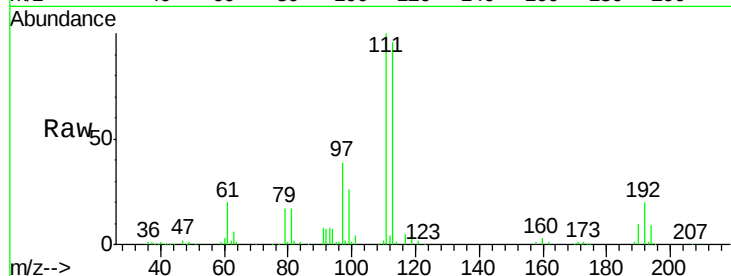




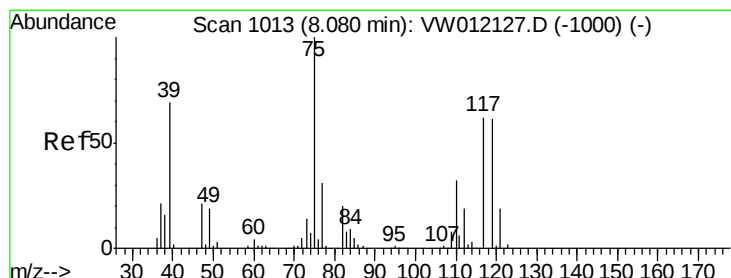
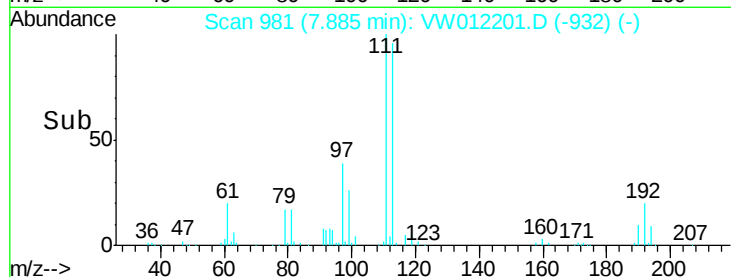
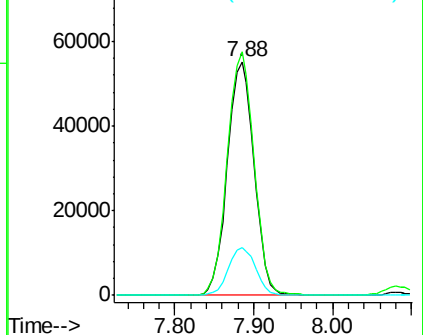
#35
 Dibromofluoromethane
 Concen: 49.900 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	20.8	16.2	24.2

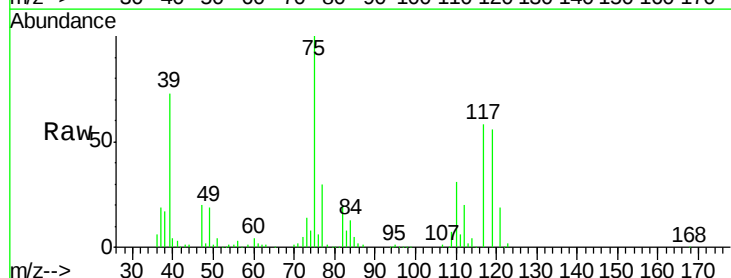


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

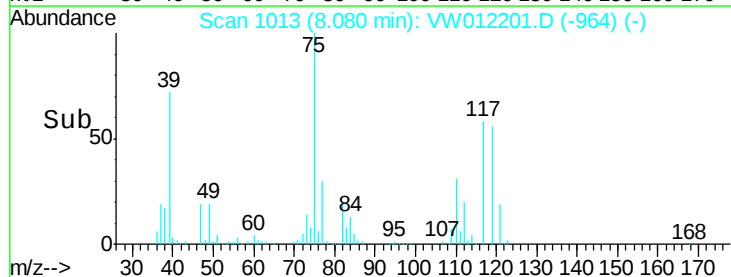
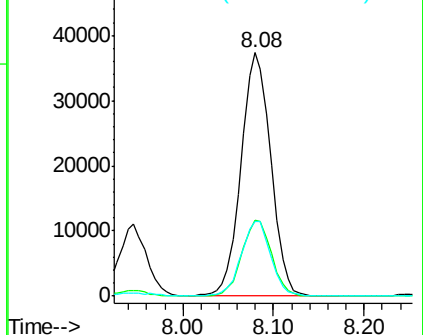


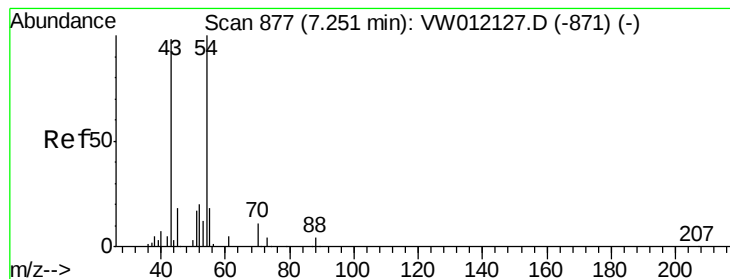
#36
 1,1-Dichloropropene
 Concen: 18.805 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.9	15.6	46.8
77	30.5	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 18.900 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampled :

VW0827SBS01

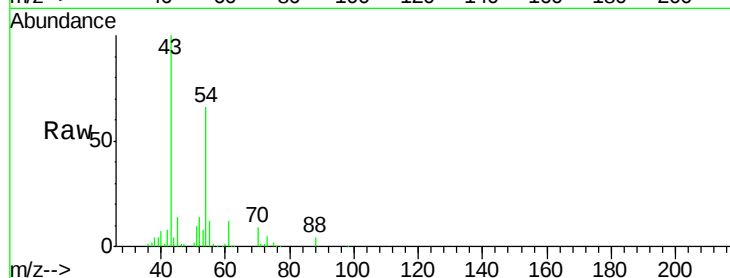
Tot Ion: 43 Resp: 46960

Ion Ratio Lower Upper

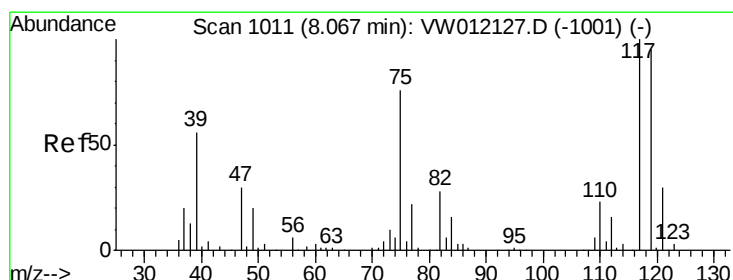
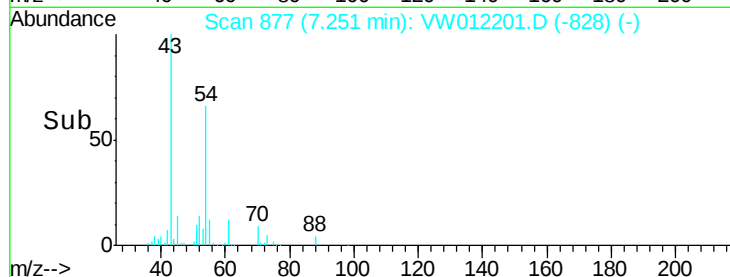
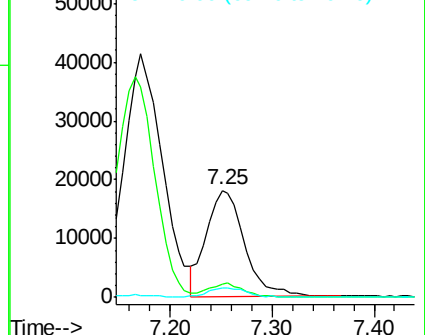
43 100

61 12.9 9.2 13.8

70 9.0 6.9 10.3



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



#38

Carbon Tetrachloride

Concen: 18.761 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

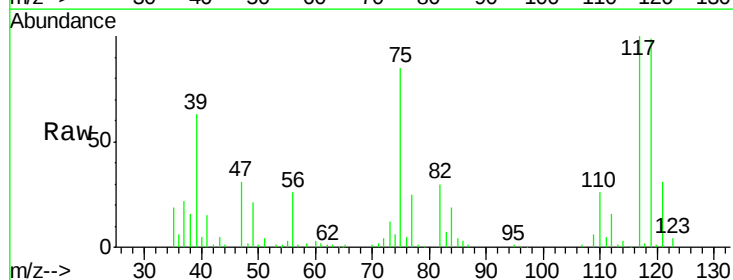
Tgt Ion: 117 Resp: 73625

Ion Ratio Lower Upper

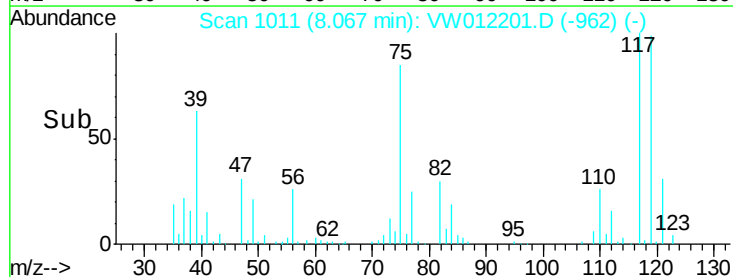
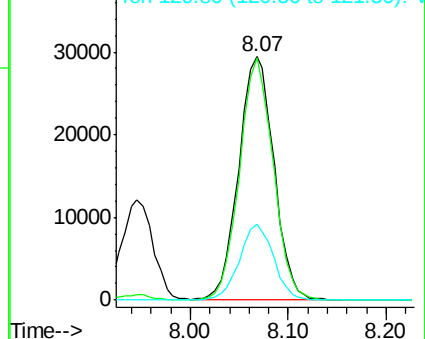
117 100

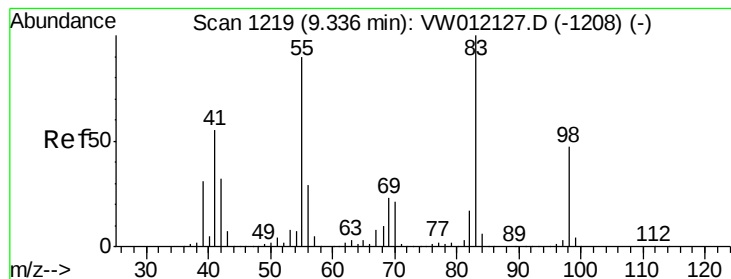
119 99.3 76.2 114.2

121 31.1 23.8 35.8



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





#39

Methvlcvclohexane

Concen: 18.446 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD01

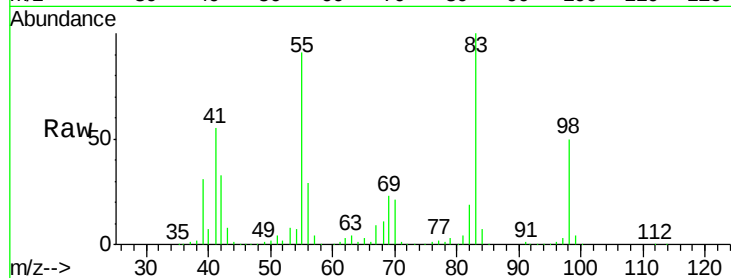
Tot Ion: 83 Resp: 93959

Ion Ratio Lower Upper

83 100

55 91.2 71.8 107.8

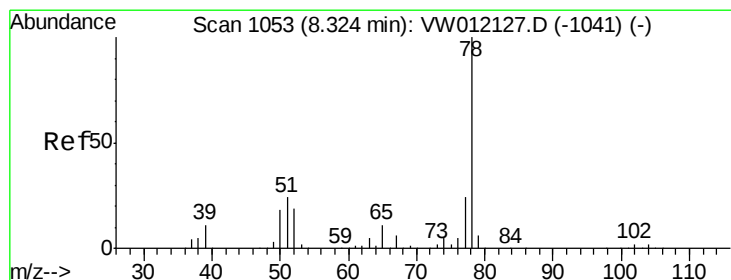
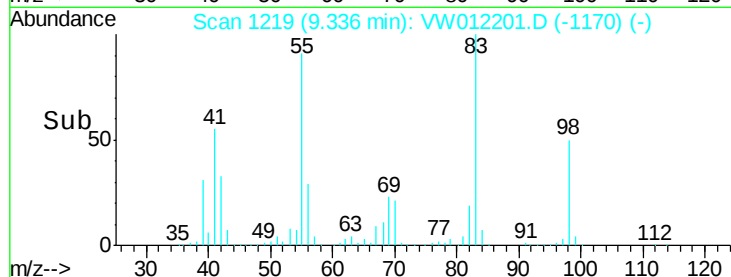
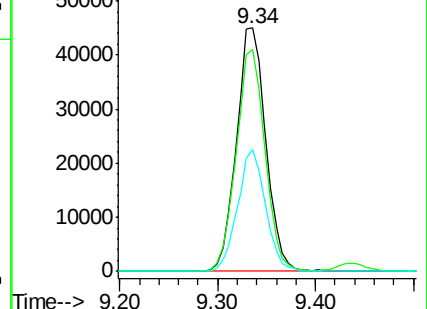
98 50.4 37.8 56.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 18.846 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW012201.D

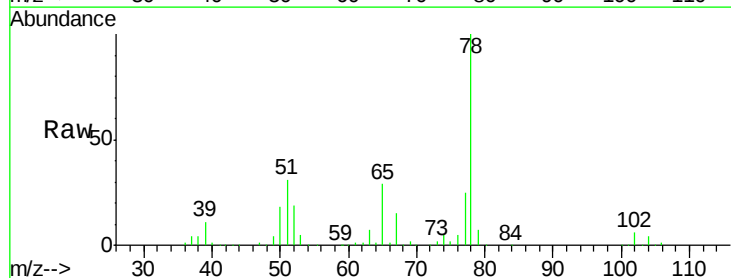
Acq: 27 Aug 2019 10:13

Tgt Ion: 78 Resp: 233328

Ion Ratio Lower Upper

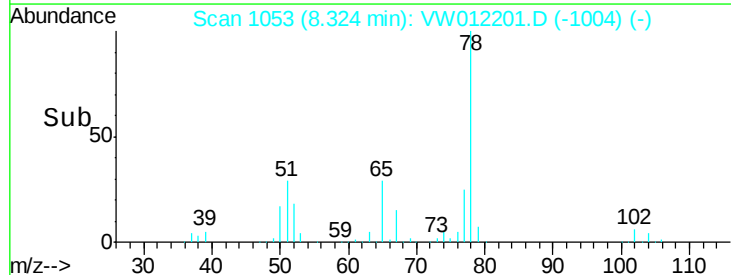
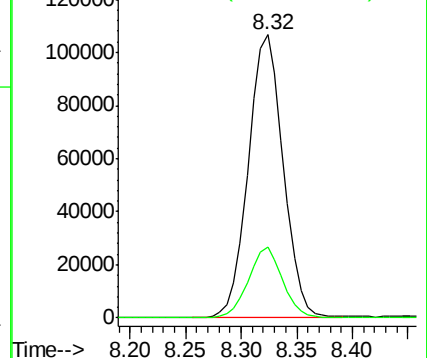
78 100

77 25.2 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

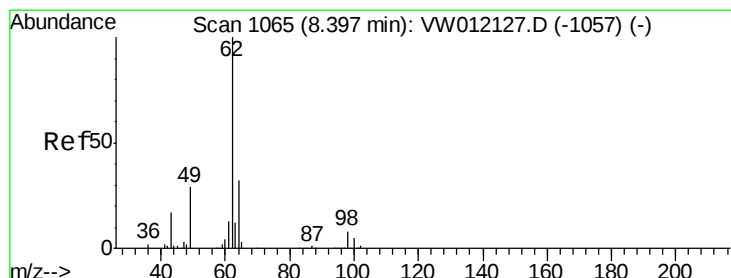
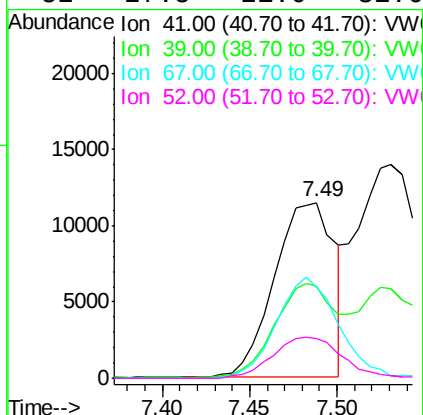
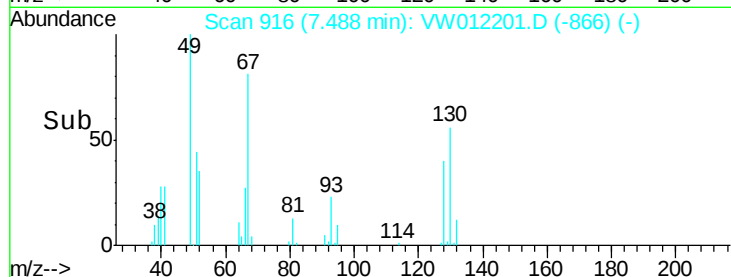
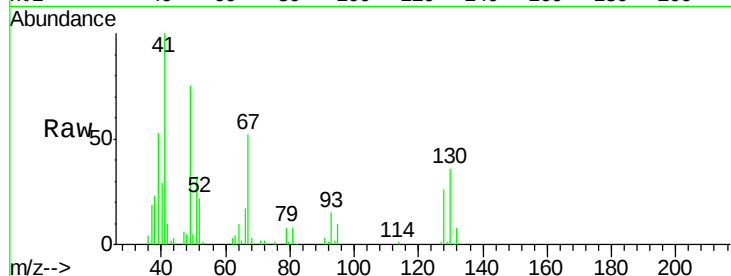




#41
Methacrylonitrile
Concen: 18.795 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

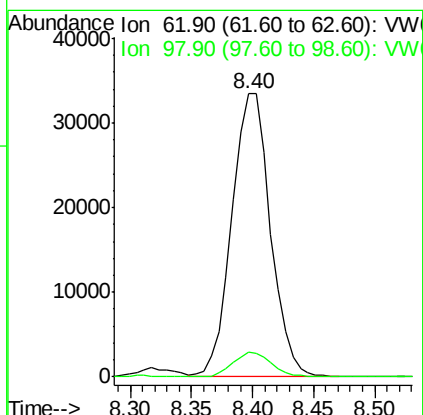
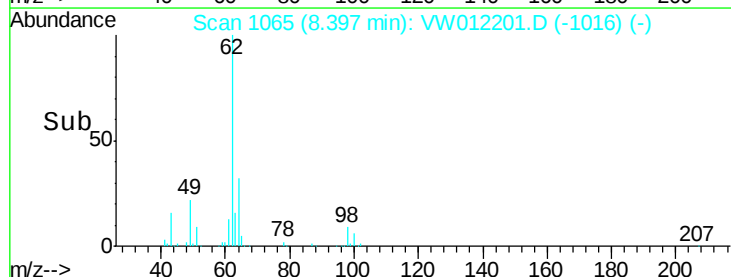
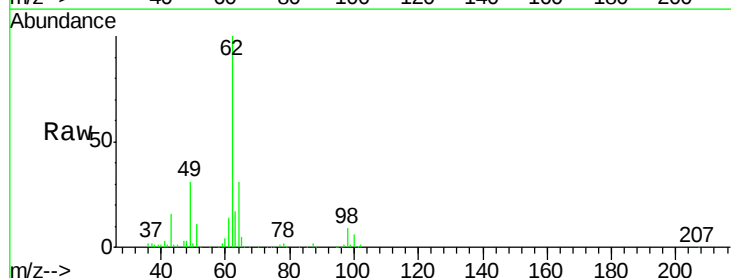
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

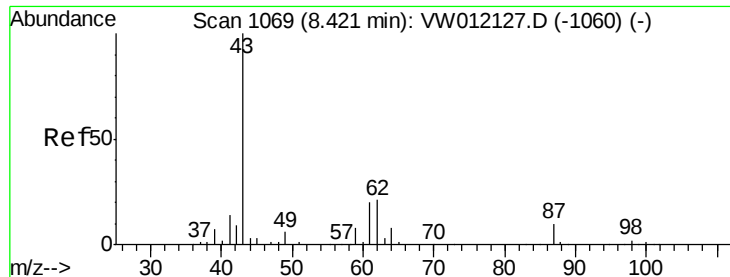
Tot Ion: 41 Resp: 27446
Ion Ratio Lower Upper
41 100
39 53.2 45.8 68.8
67 59.7 46.2 69.4
52 27.5 21.0 31.6



#42
1,2-Dichloroethane
Concen: 18.811 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Tgt Ion: 62 Resp: 72993
Ion Ratio Lower Upper
62 100
98 8.7 0.0 16.6





#43

Isopropyl Acetate

Concen: 19.737 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS01

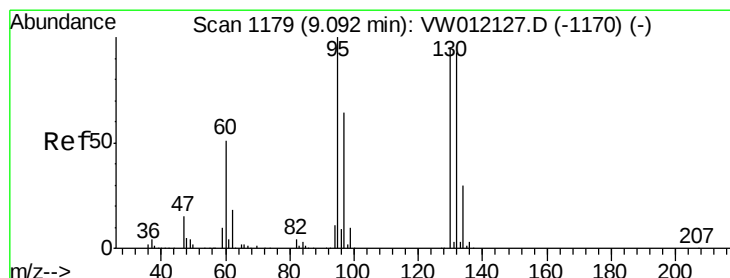
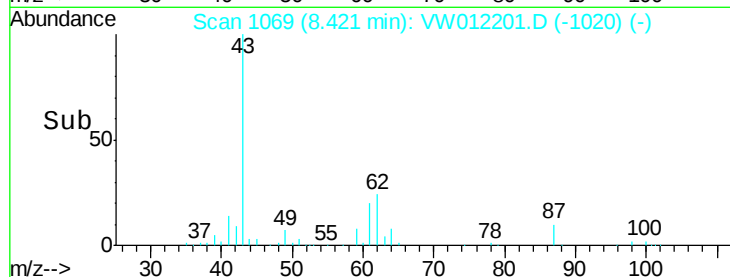
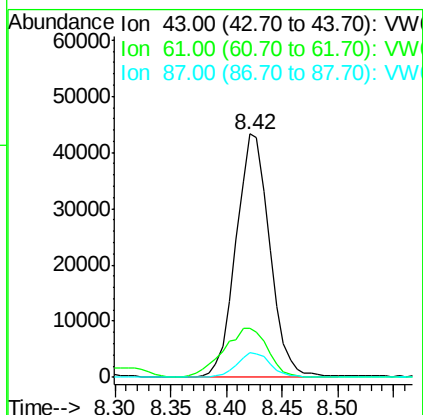
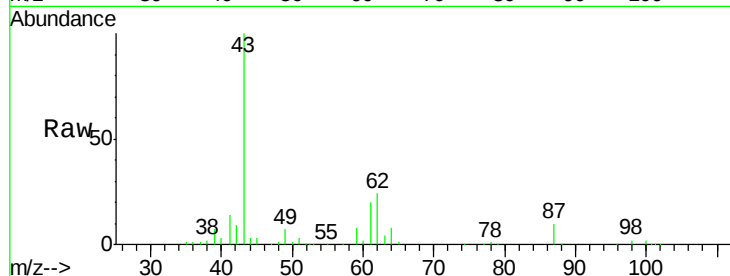
Tot Ion: 43 Resp: 90837

Ion Ratio Lower Upper

43 100

61 26.2 21.1 31.7

87 10.2 8.2 12.2



#44

Trichloroethene

Concen: 19.073 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012201.D

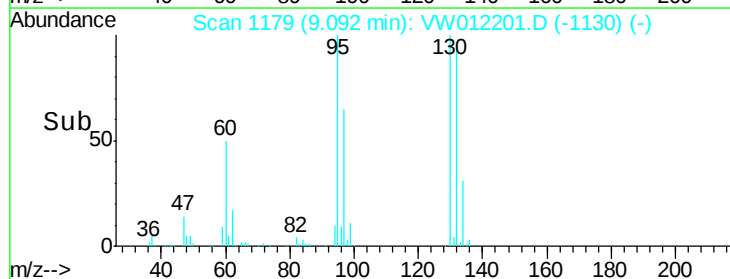
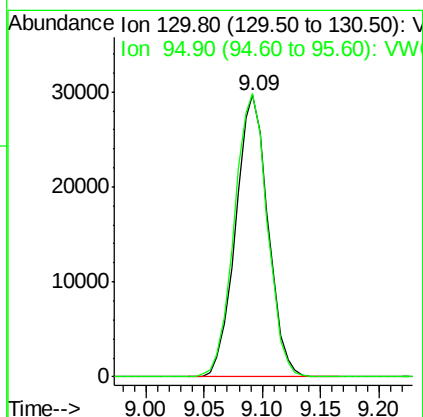
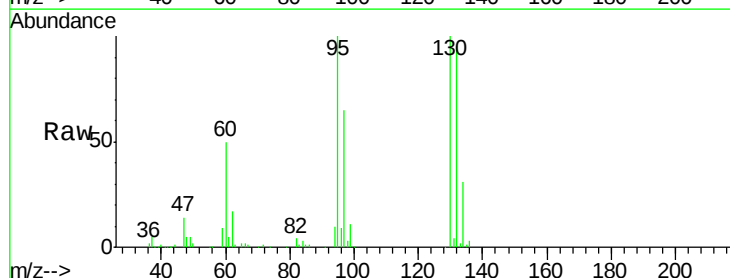
Acq: 27 Aug 2019 10:13

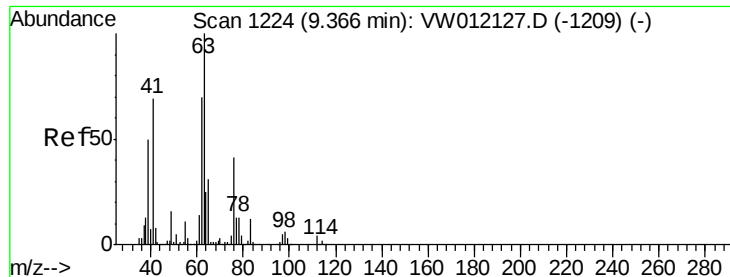
Tgt Ion: 130 Resp: 57405

Ion Ratio Lower Upper

130 100

95 100.5 0.0 210.6

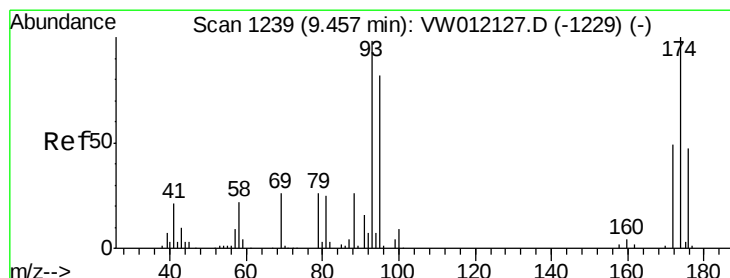
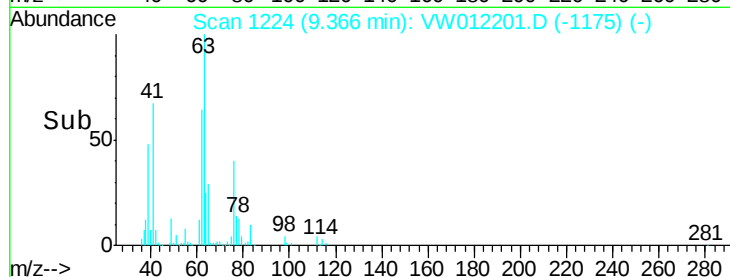
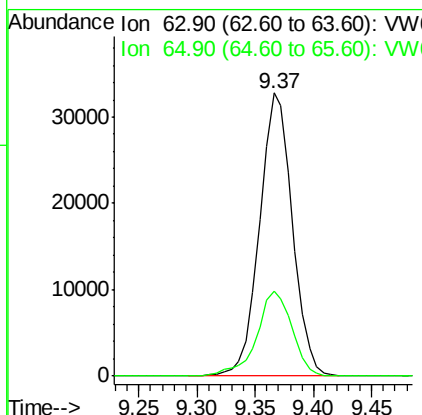
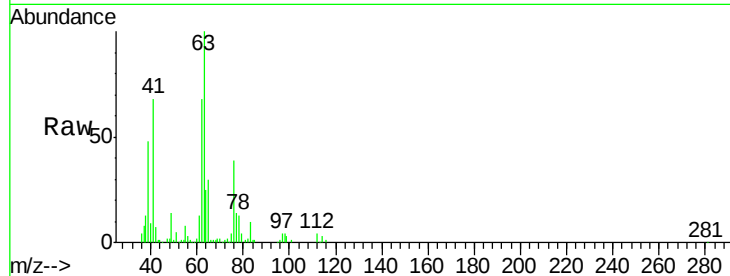




#45
 1,2-Dichloropropane
 Concen: 19.312 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

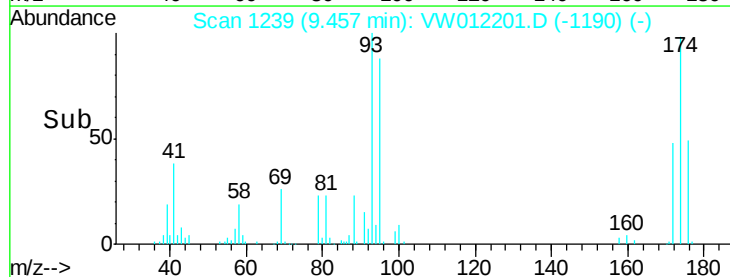
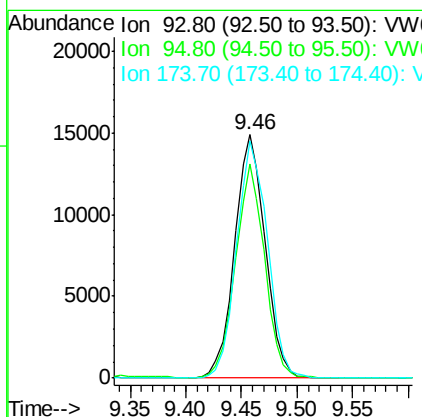
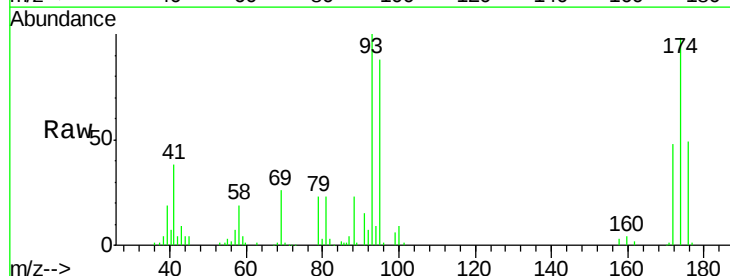
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

Tot Ion: 63 Resp: 64350
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4



#46
 Dibromomethane
 Concen: 19.080 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion: 93 Resp: 28286
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.2 100.8
 174 98.7 79.0 118.6





#47

Bromodichloromethane

Concen: 18.926 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD01

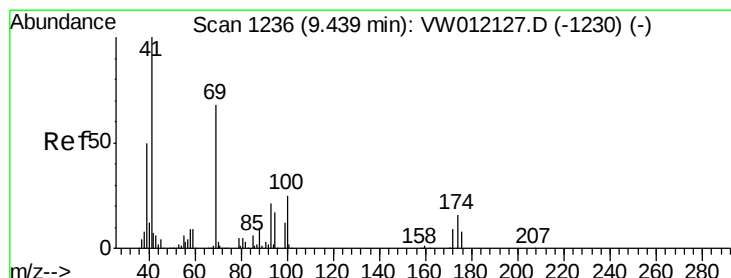
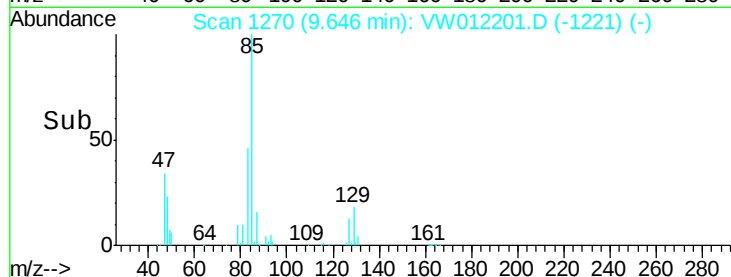
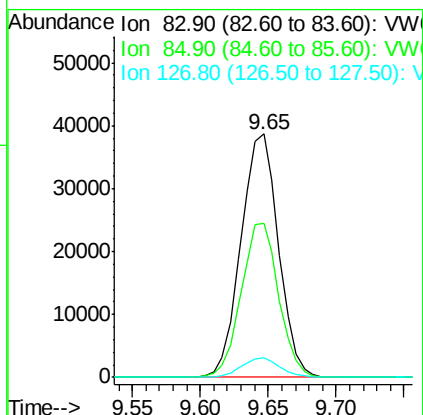
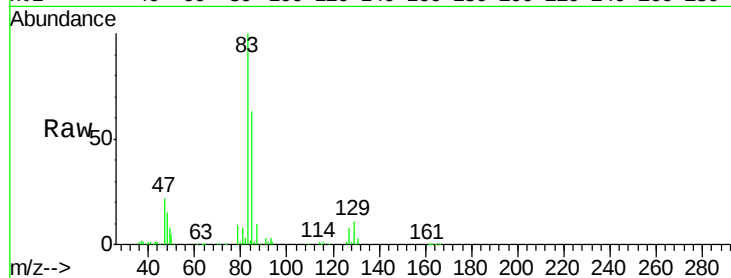
Tot Ion: 83 Resp: 74675

Ion Ratio Lower Upper

83 100

85 63.1 49.4 74.2

127 7.9 6.1 9.1



#48

Methyl methacrylate

Concen: 19.244 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

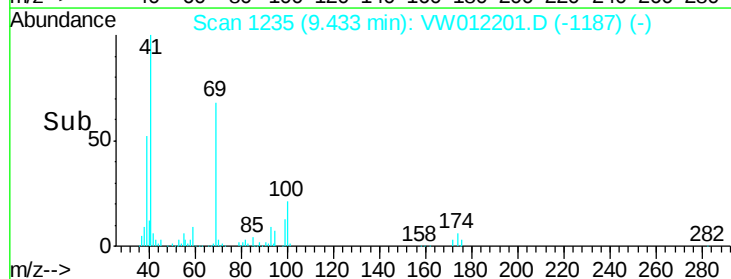
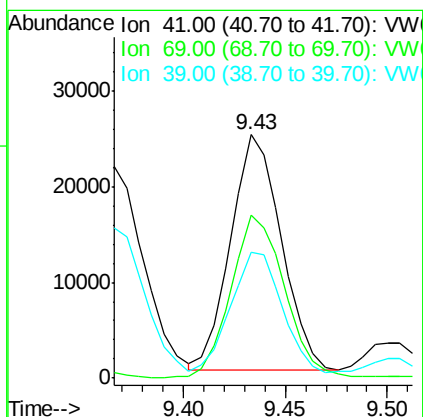
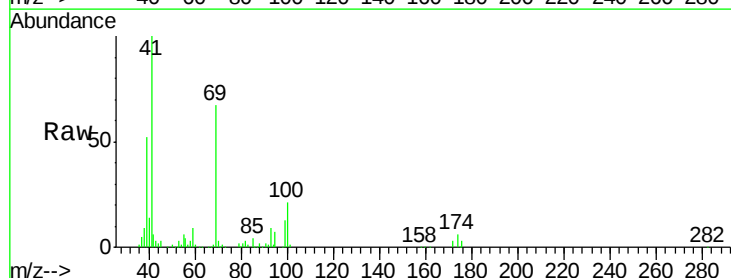
Tgt Ion: 41 Resp: 42154

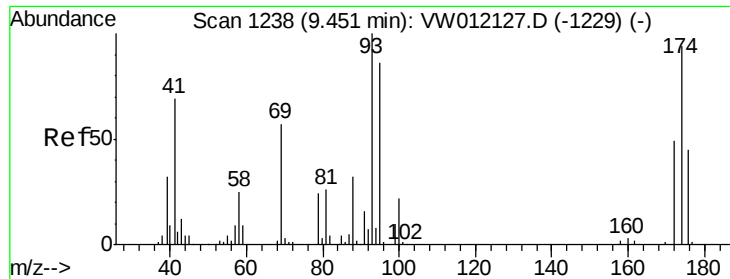
Ion Ratio Lower Upper

41 100

69 75.0 56.7 85.1

39 57.1 42.0 63.0





#49

1,4-Dioxane

Concen: 362.665 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD01

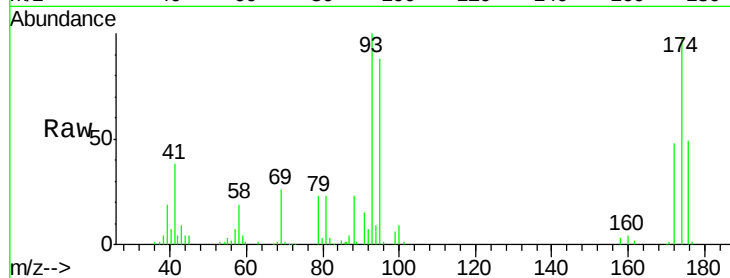
Tot Ion: 88 Resp: 8231

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

58 86.0 71.0 106.4

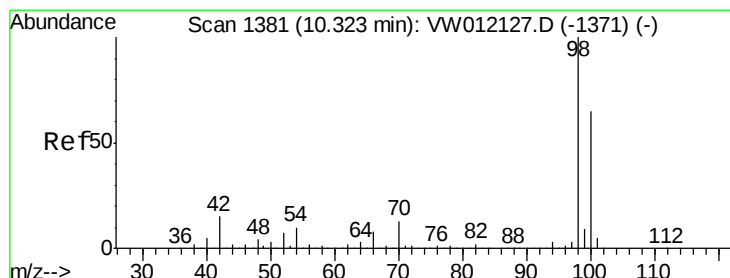
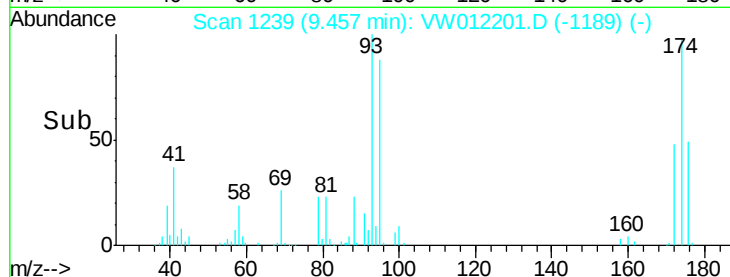
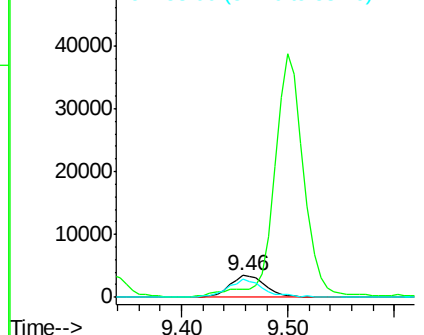


Abundance

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: 50.896 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012201.D

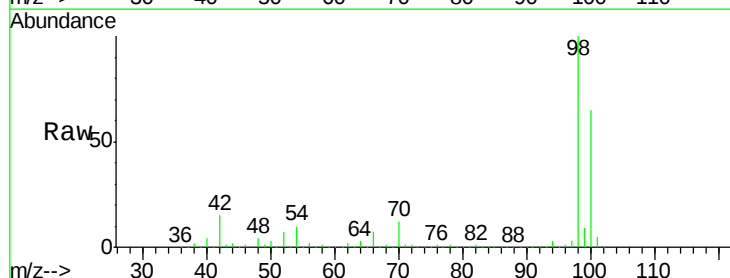
Acq: 27 Aug 2019 10:13

Tgt Ion: 98 Resp: 540482

Ion Ratio Lower Upper

98 100

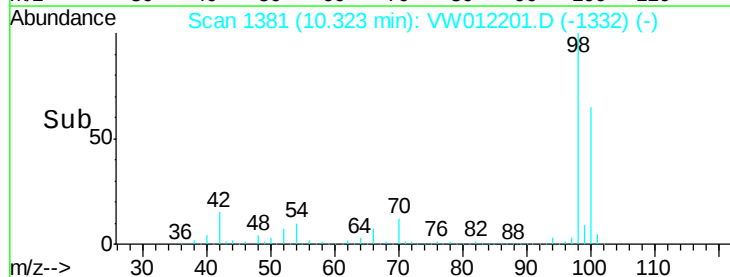
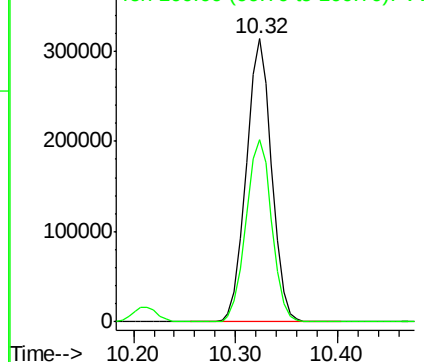
100 65.4 52.4 78.6

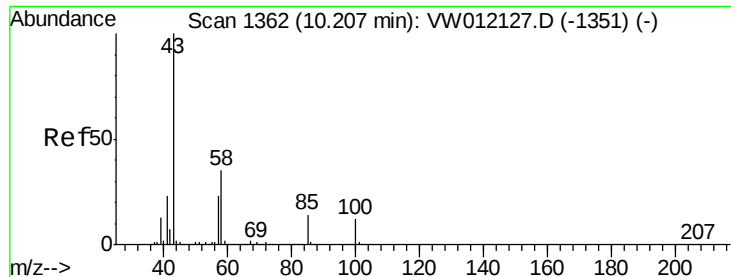


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 100.387 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampled :

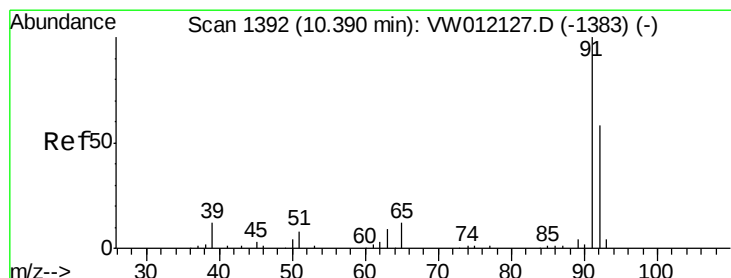
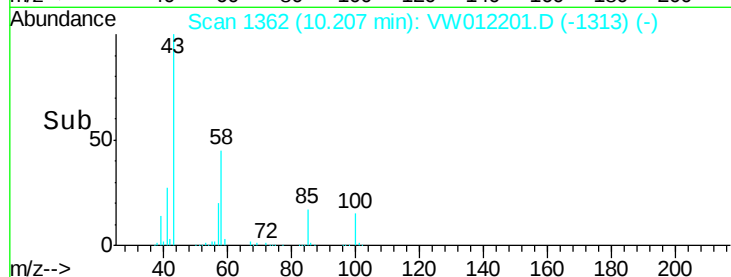
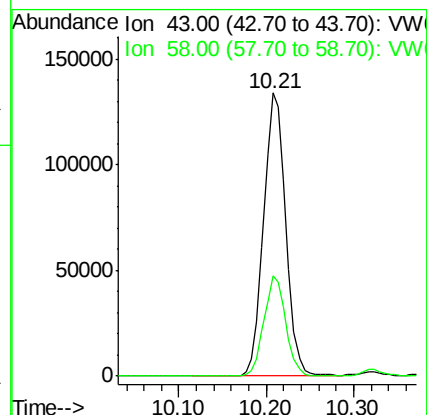
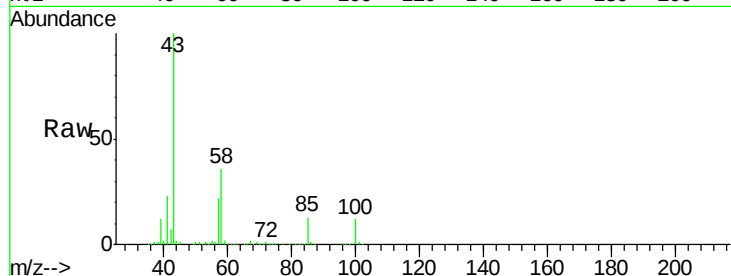
VW0827SBS01

Tot Ion: 43 Resp: 234995

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 18.956 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW012201.D

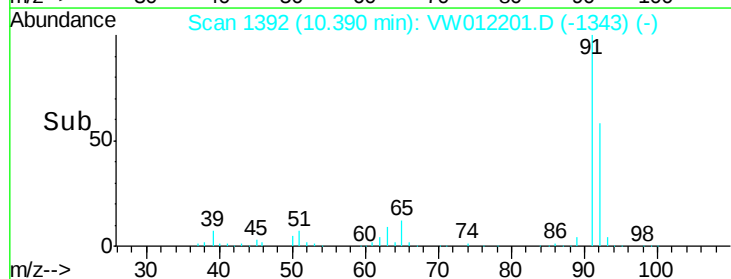
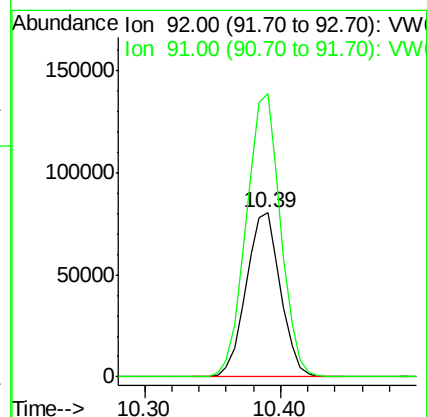
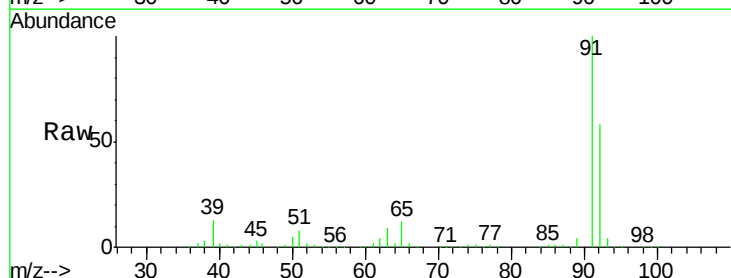
Acq: 27 Aug 2019 10:13

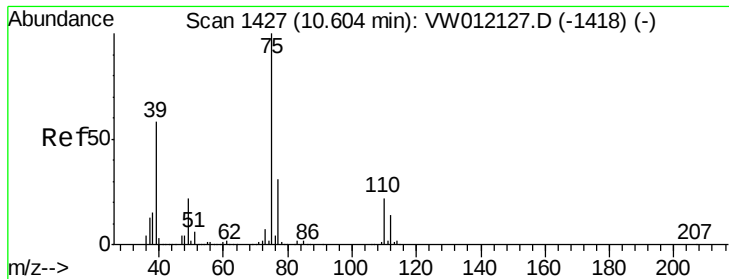
Tgt Ion: 92 Resp: 140992

Ion Ratio Lower Upper

92 100

91 173.8 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.717 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

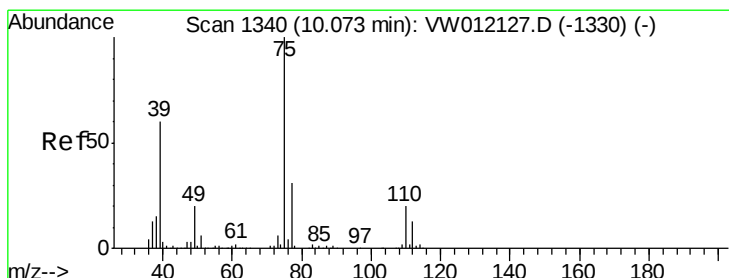
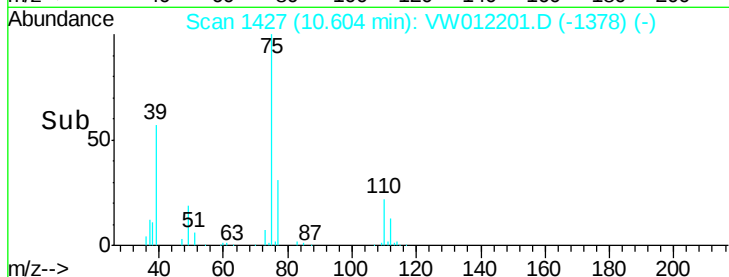
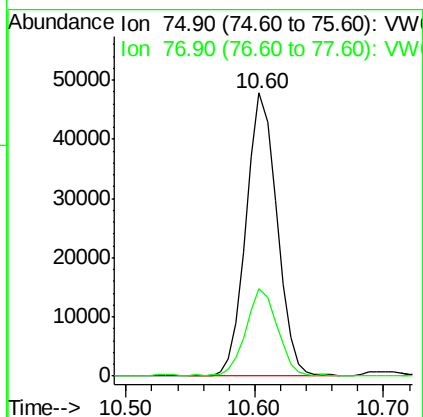
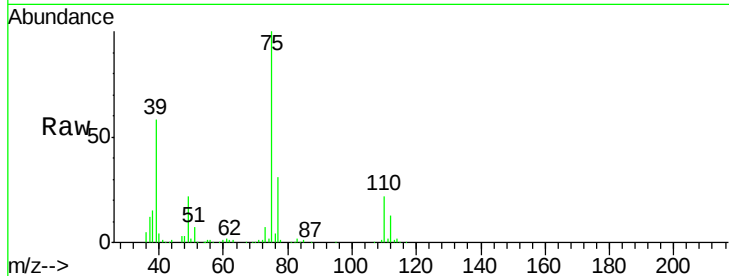
VW0827SBSD01

Tot Ion: 75 Resp: 79244

Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.243 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

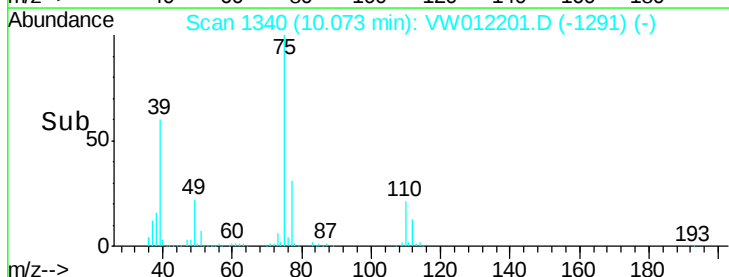
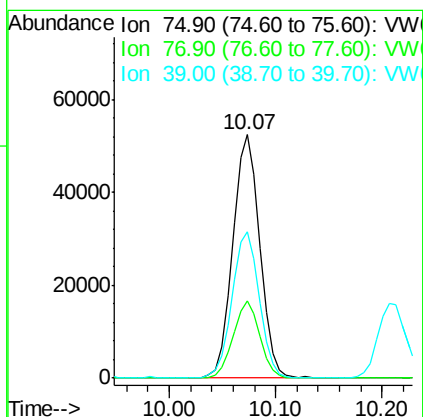
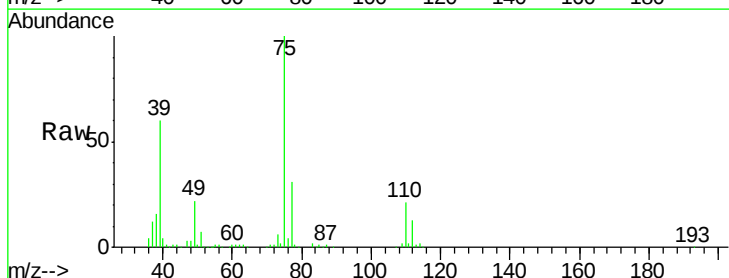
Tgt Ion: 75 Resp: 93386

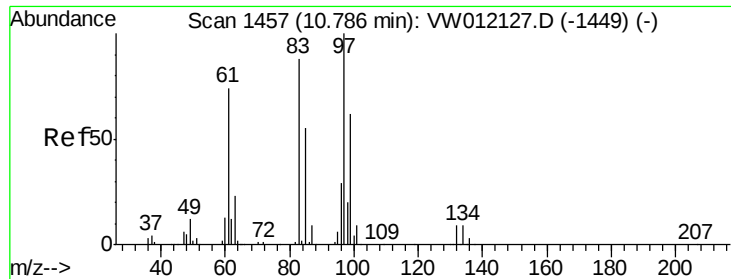
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 60.1 48.3 72.5

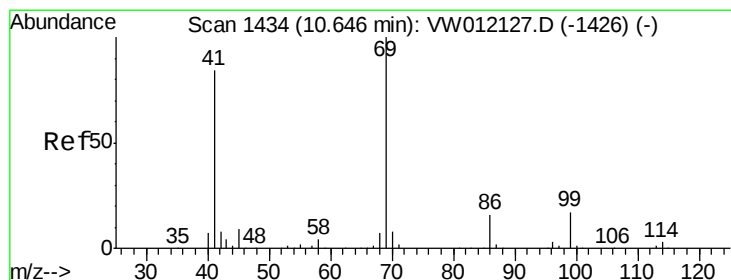
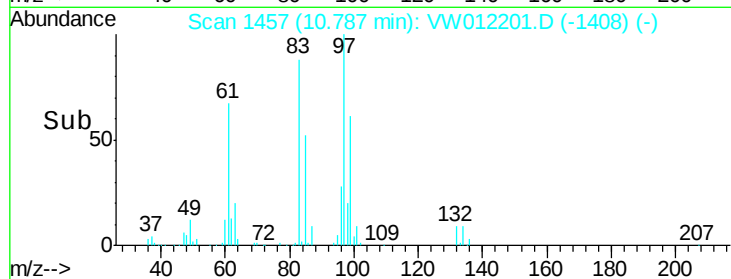
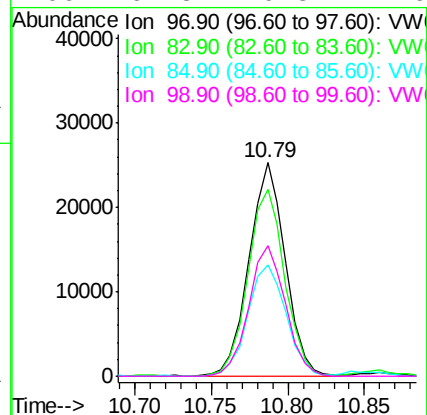
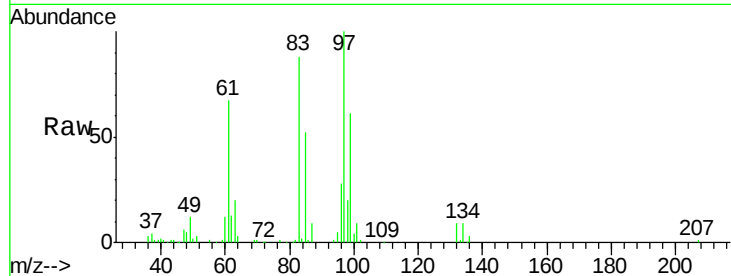




#55
 1,1,2-Trichloroethane
 Concen: 19.831 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

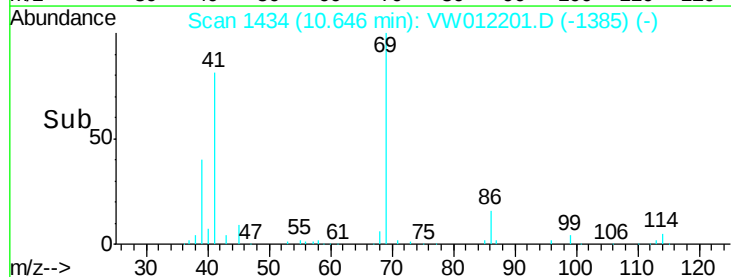
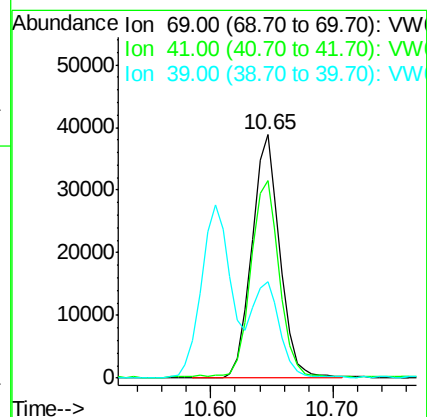
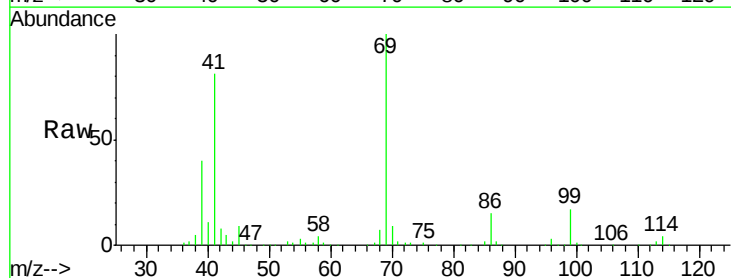
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

Tot Ion:	97	Resp:	41598
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.8	106.2
85	52.3	43.8	65.8
99	61.3	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.283 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion:	69	Resp:	61920
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.5	99.7
39	38.0	31.0	46.4

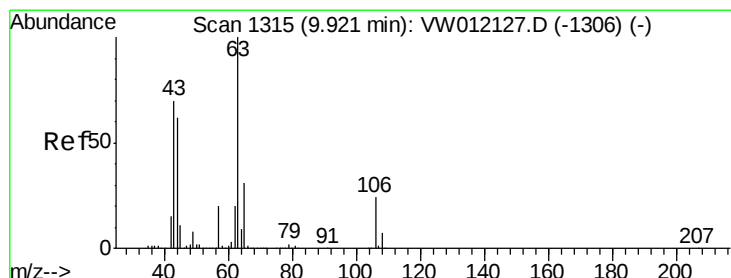
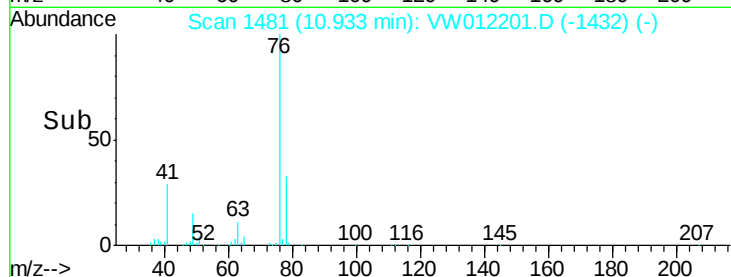
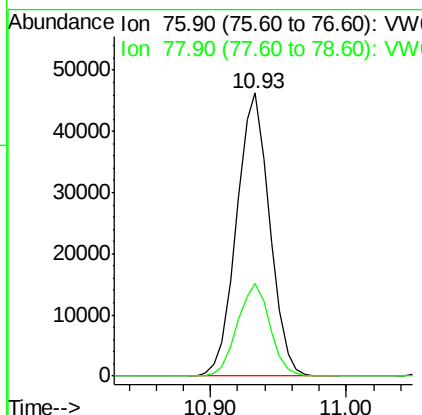
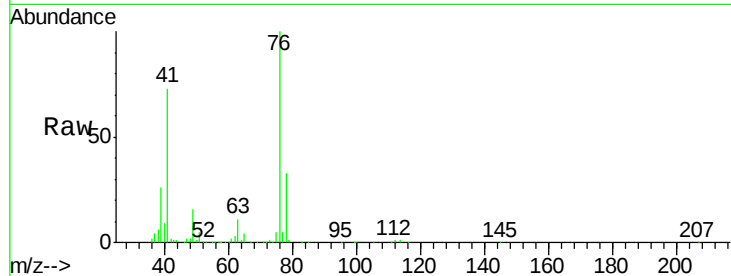




#57
 1,3-Dichloropropane
 Concen: 19.769 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

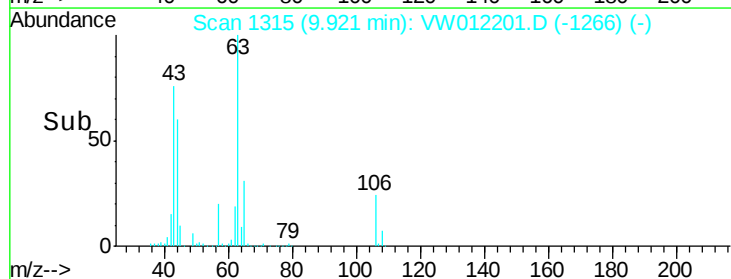
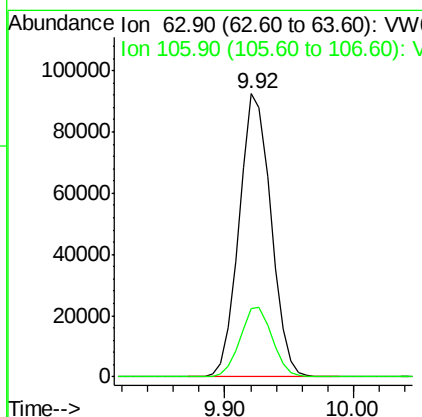
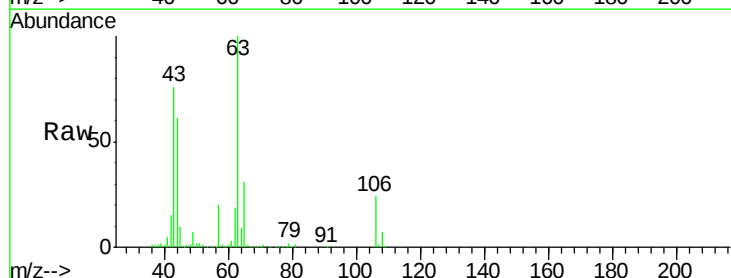
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

Tot Ion: 76 Resp: 78361
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.133 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion: 63 Resp: 158455
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.8





#59

2-Hexanone

Concen: 99.079 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleID :

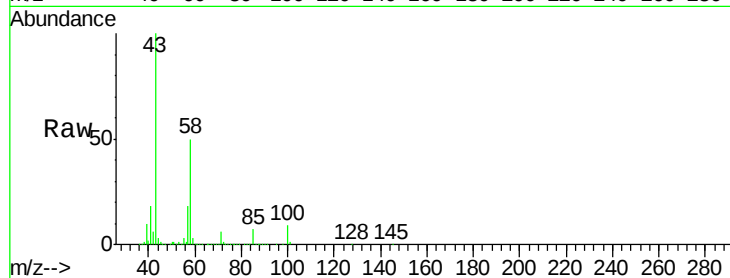
VW0827SBSD01

Tot Ion: 43 Resp: 164109

Ion Ratio Lower Upper

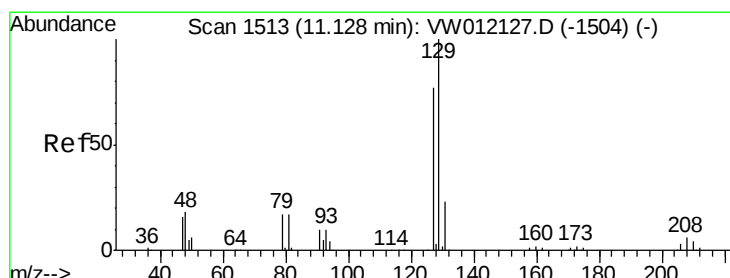
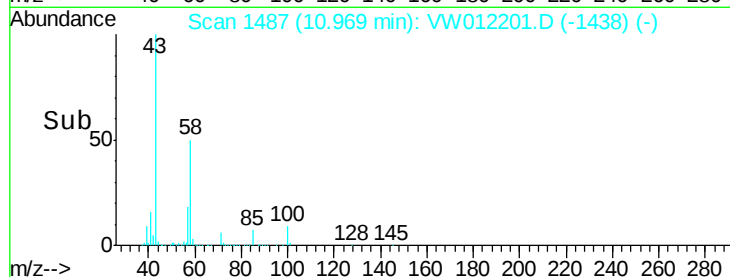
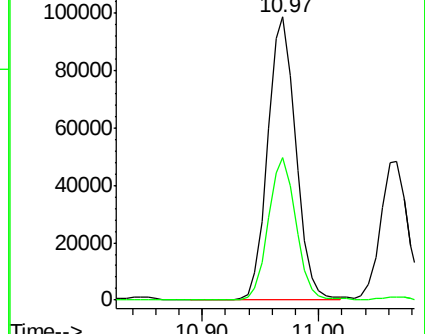
43 100

58 49.5 24.3 72.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 19.458 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012201.D

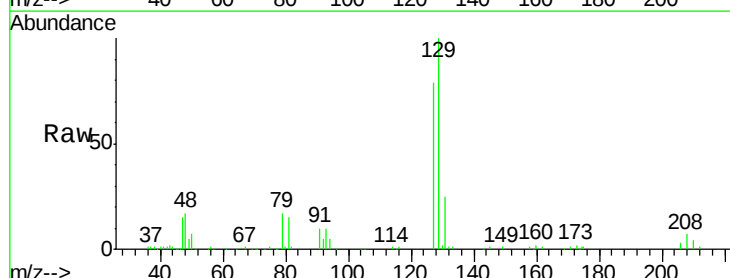
Acq: 27 Aug 2019 10:13

Tgt Ion: 129 Resp: 45461

Ion Ratio Lower Upper

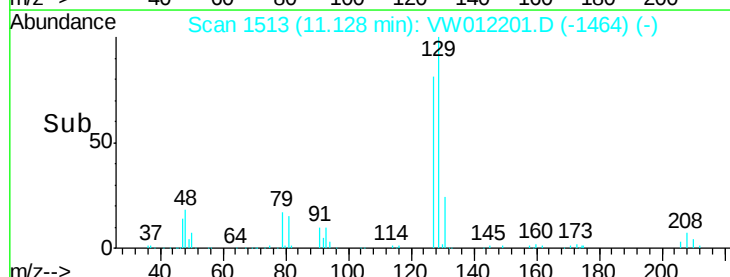
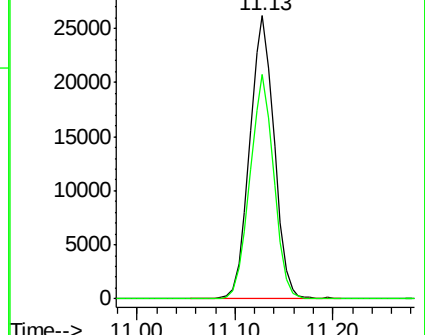
129 100

127 76.7 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 19.502 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

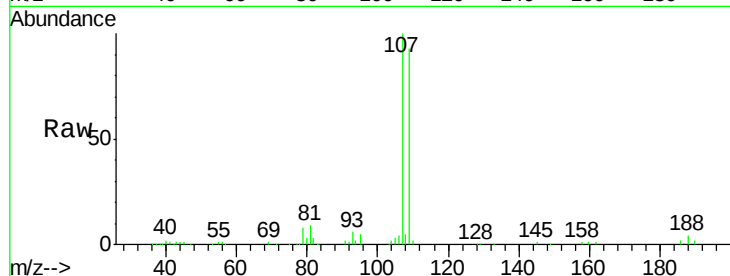
VW0827SBSD01

Tot Ion:107 Resp: 38111

Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

15000

10000

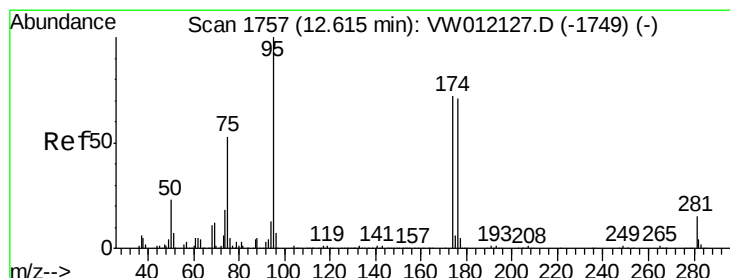
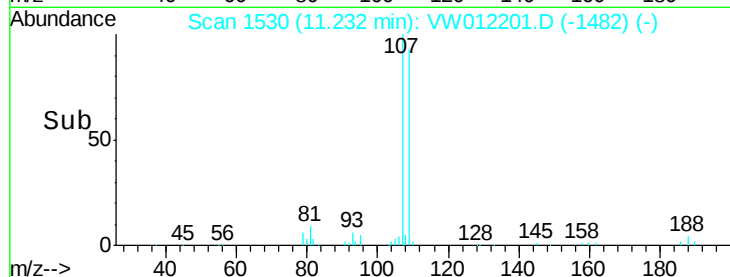
5000

0

Time-->

11.20

11.30



#62

4-Bromofluorobenzene

Concen: 50.995 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

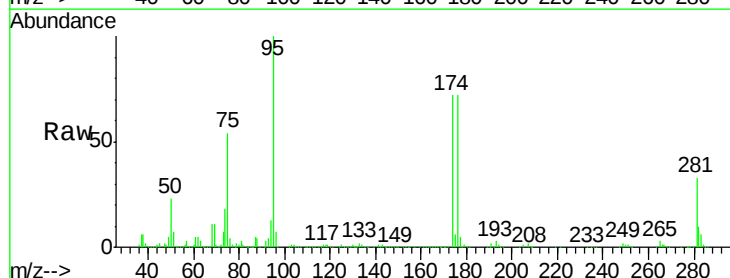
Tgt Ion: 95 Resp: 190891

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.8

176 73.7 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

100000

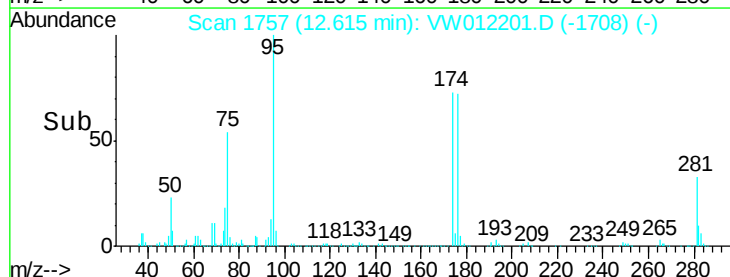
50000

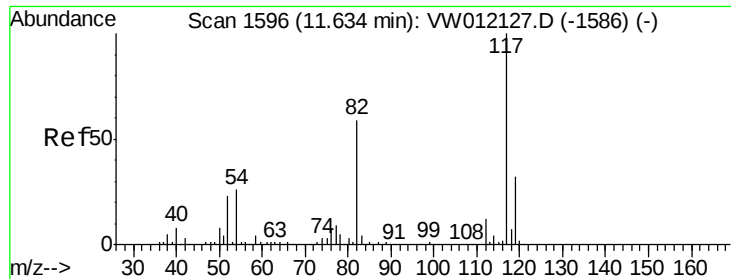
0

Time-->

12.60

12.70

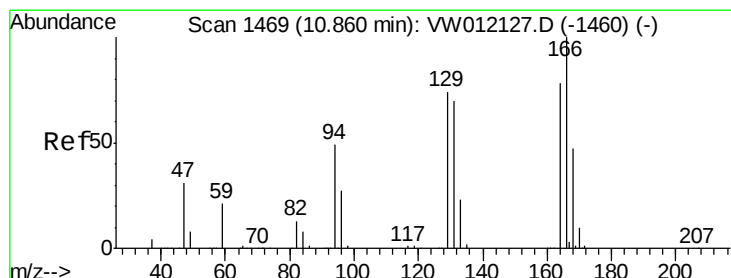
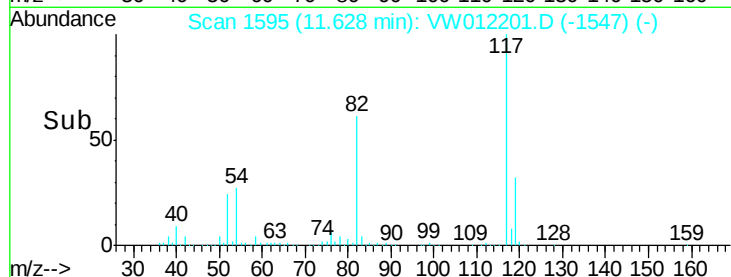
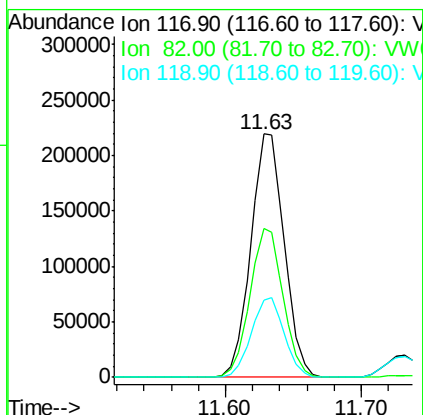
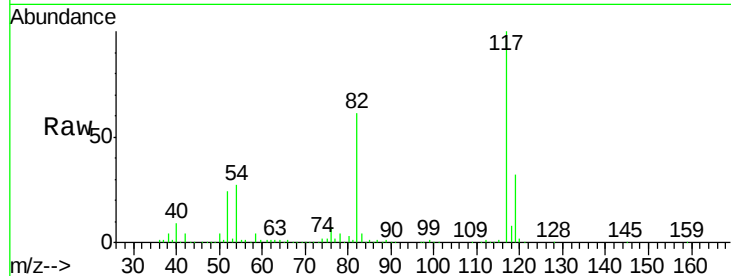




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

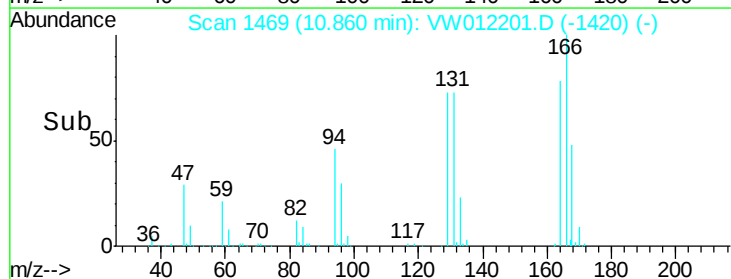
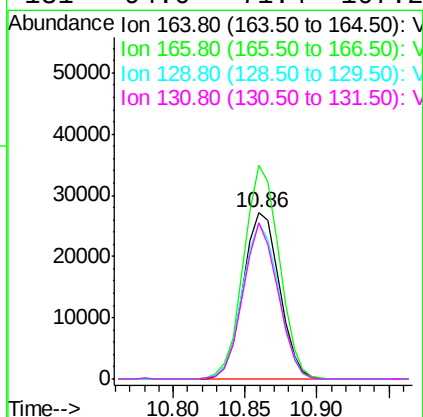
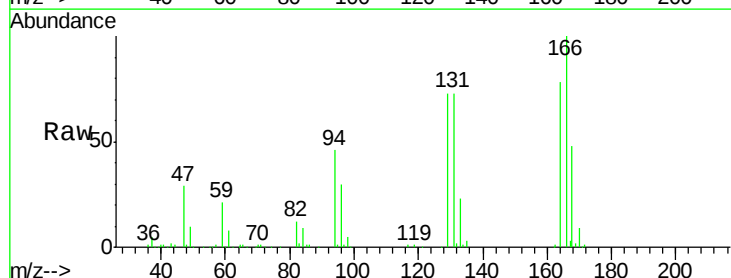
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

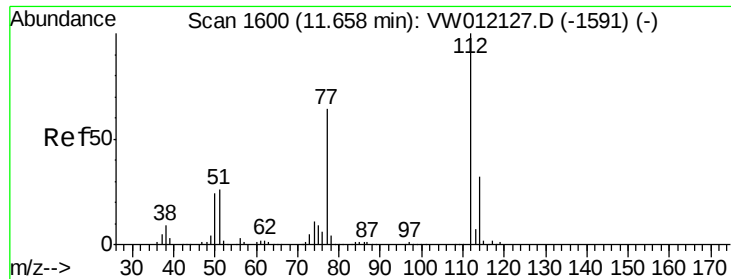
Tot Ion:117 Resp: 377991
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 19.342 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Tgt Ion:164 Resp: 47401
Ion Ratio Lower Upper
164 100
166 128.5 102.4 153.6
129 94.2 75.8 113.6
131 94.0 71.4 107.2





#65

Chlorobenzene

Concen: 19.370 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

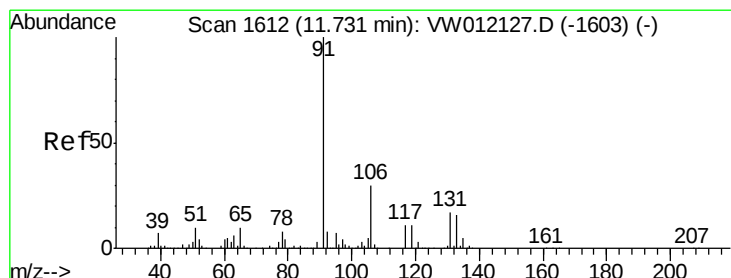
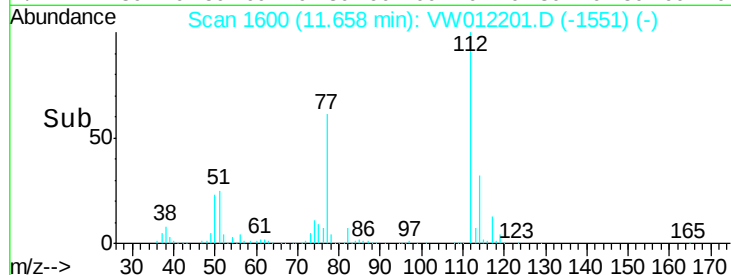
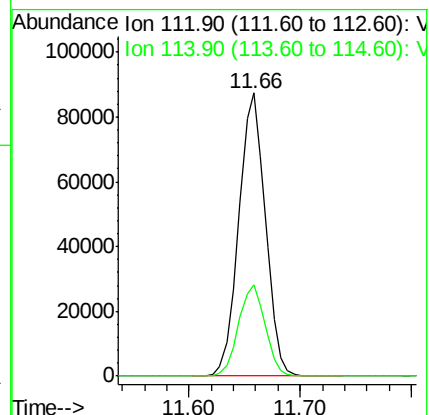
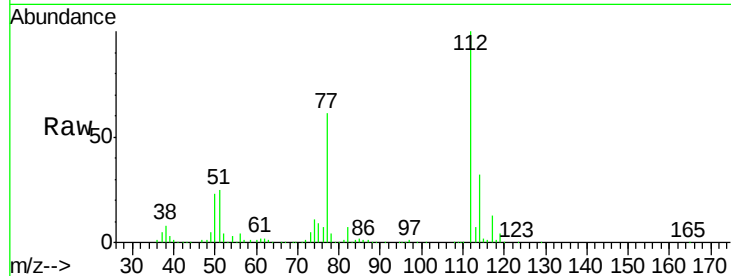
VW0827SBSD01

Tot Ion:112 Resp: 144170

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 19.545 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

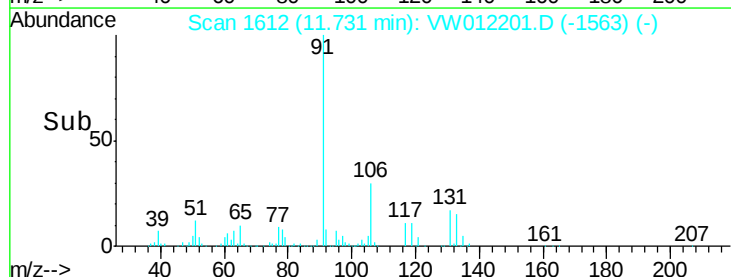
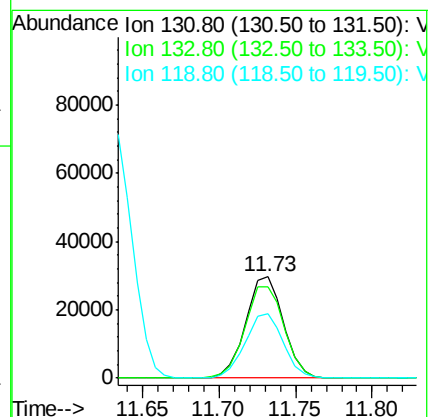
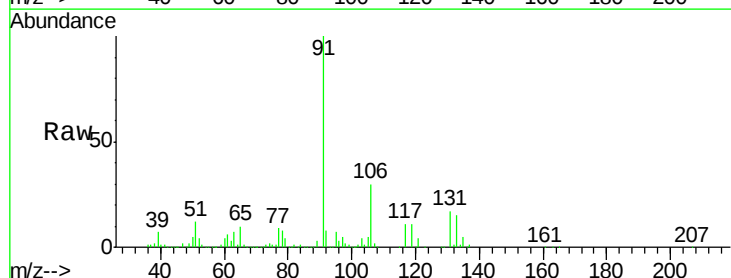
Tgt Ion:131 Resp: 50750

Ion Ratio Lower Upper

131 100

133 95.1 47.1 141.3

119 64.9 31.8 95.3

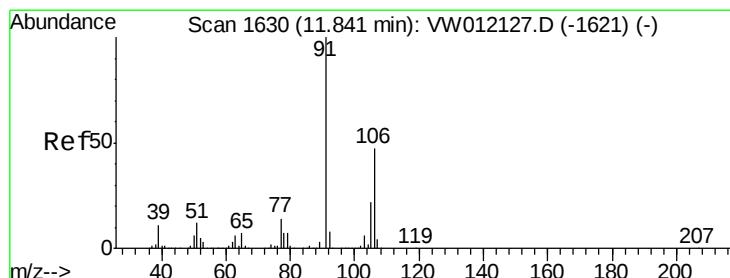
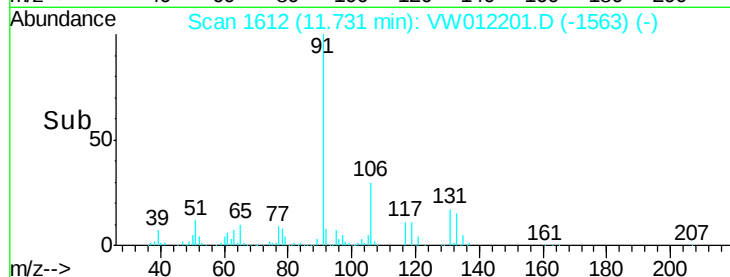
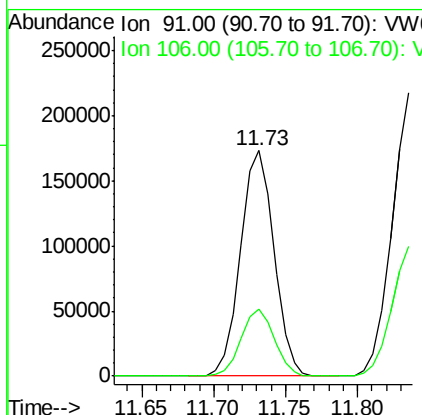
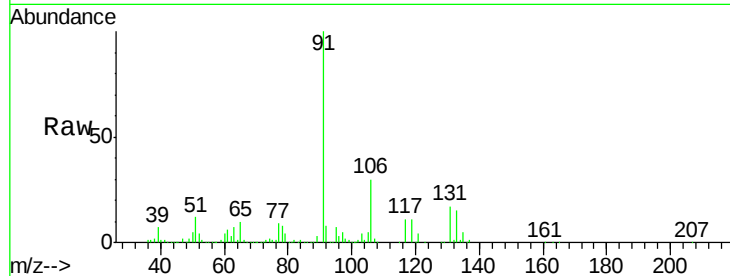




#67
Ethyl Benzene
Concen: 19.459 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

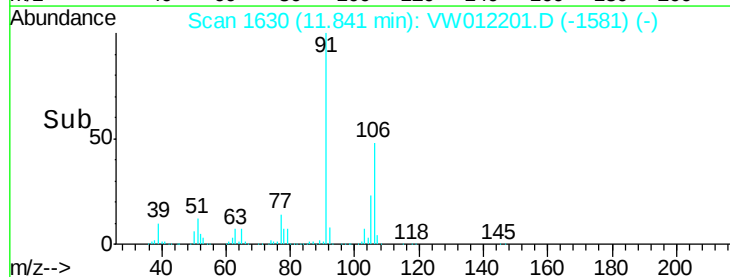
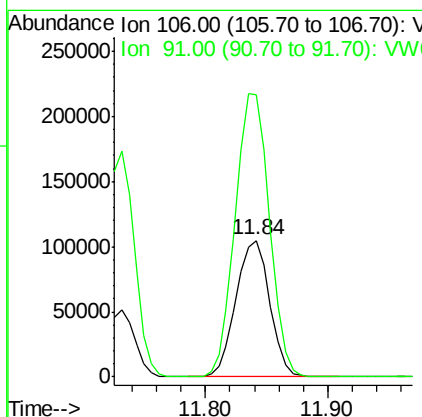
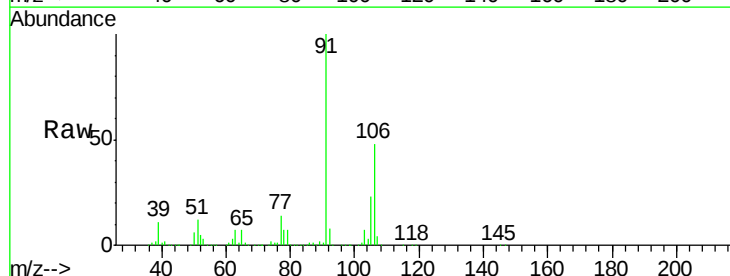
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

Tot Ion: 91 Resp: 278992
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 38.759 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Tgt Ion: 106 Resp: 200173
Ion Ratio Lower Upper
106 100
91 210.8 169.5 254.3

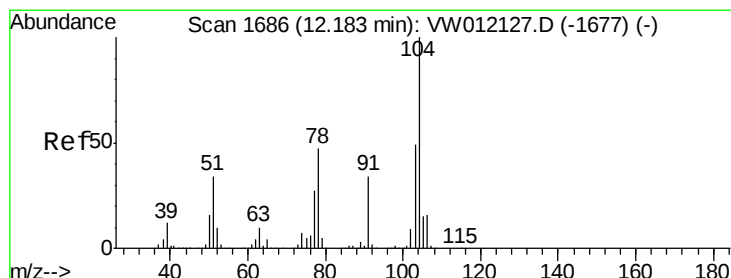
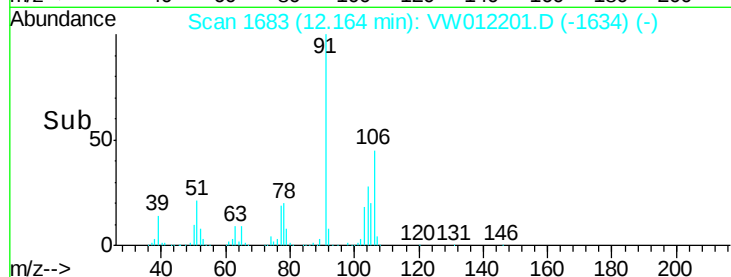
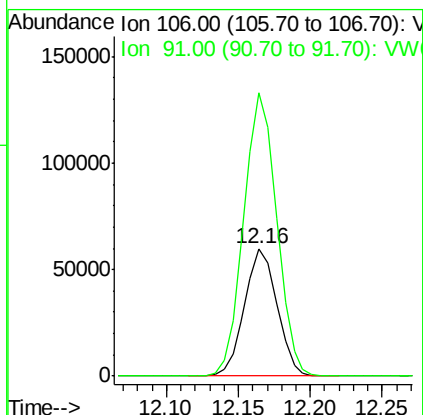
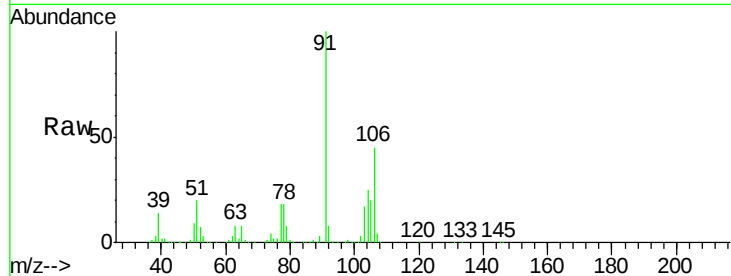




#69
o-Xylene
Concen: 19.638 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

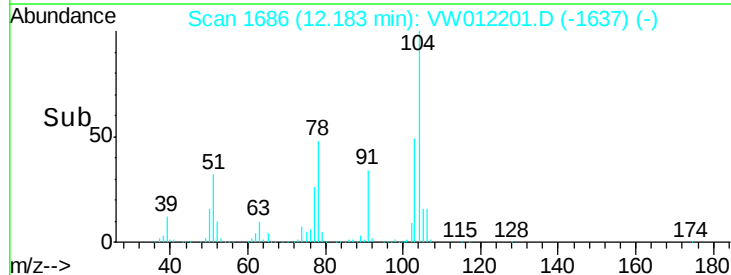
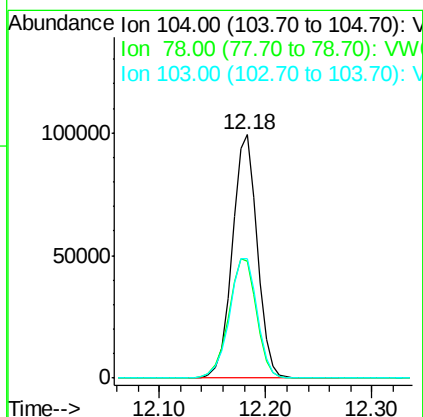
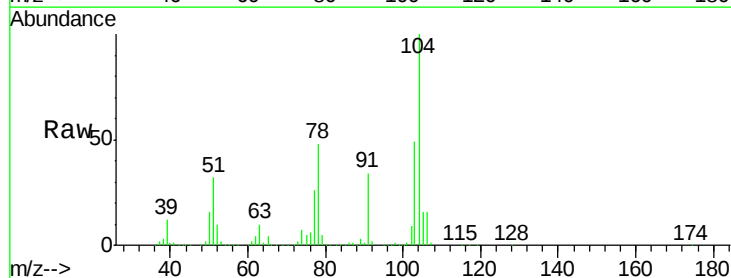
Instrument :
MSVOA_W
ClientSampled :
VW0827SBSD01

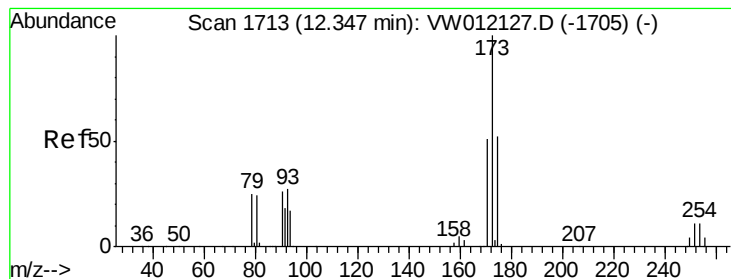
Tot Ion:106 Resp: 93870
Ion Ratio Lower Upper
106 100
91 224.7 111.6 334.6



#70
Styrene
Concen: 19.684 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Tgt Ion:104 Resp: 162859
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 54.7 43.5 65.3





#71

Bromoform

Concen: 19.762 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD01

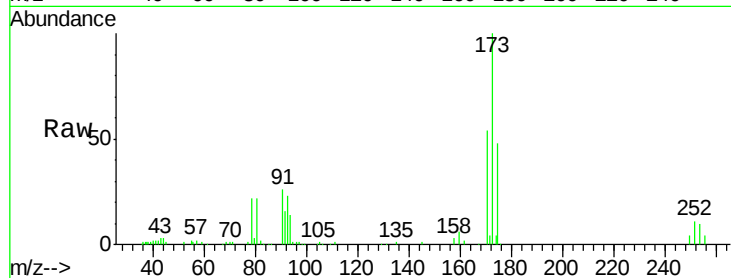
Tot Ion:173 Resp: 25565

Ion Ratio Lower Upper

173 100

175 48.8 24.6 74.0

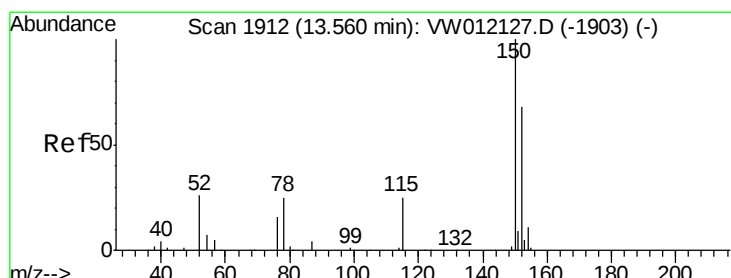
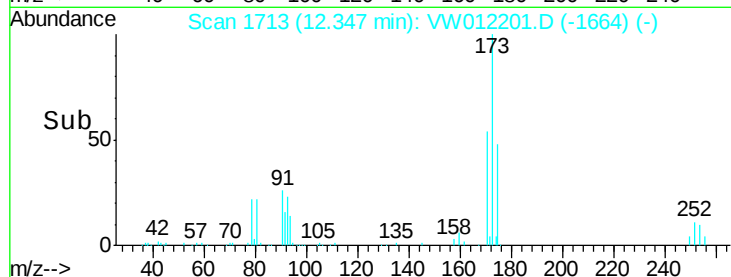
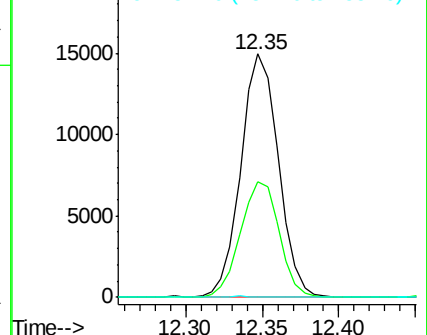
254 0.1 0.2 0.2#



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: VW012201.D

Acq: 27 Aug 2019 10:13

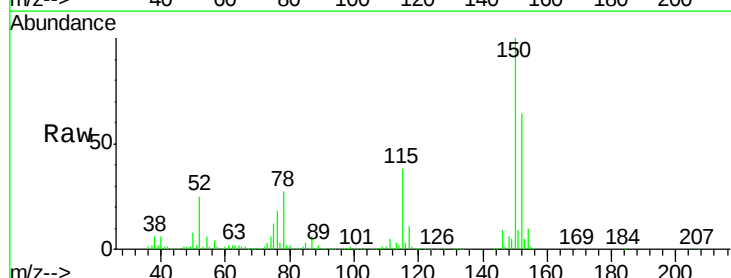
Tgt Ion:152 Resp: 183830

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

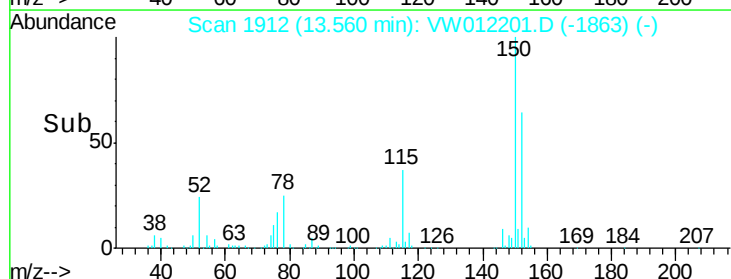
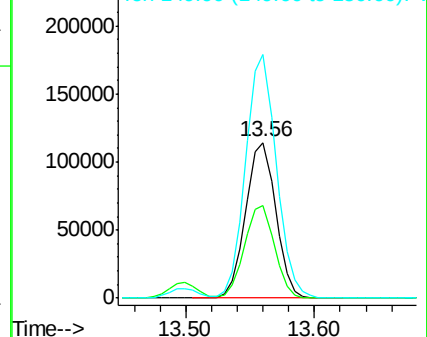
150 160.2 0.0 345.8

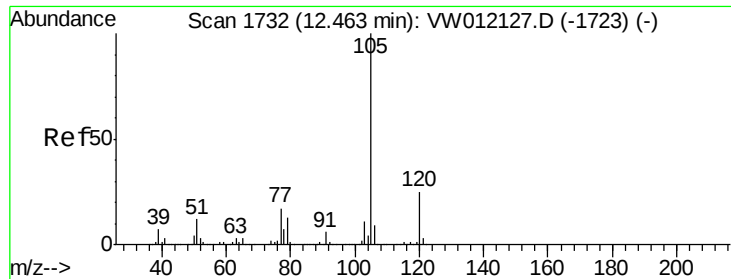


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.723 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

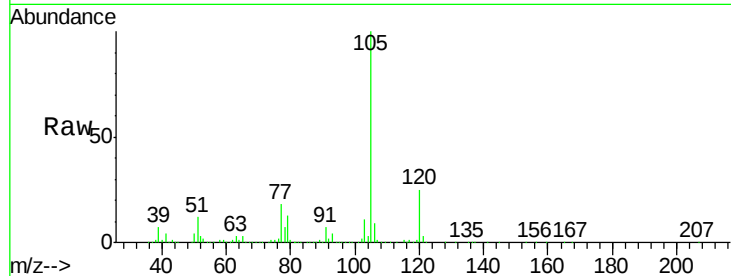
VW0827SBSD01

Tot Ion:105 Resp: 271672

Ion Ratio Lower Upper

105 100

120 24.9 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

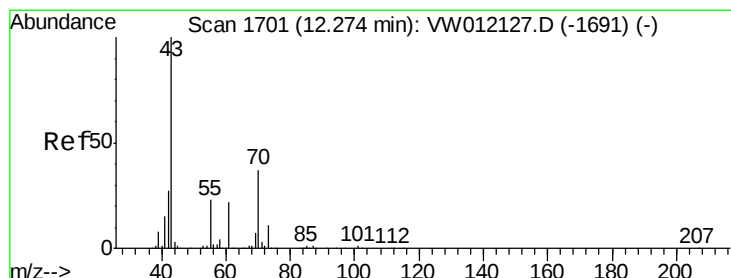
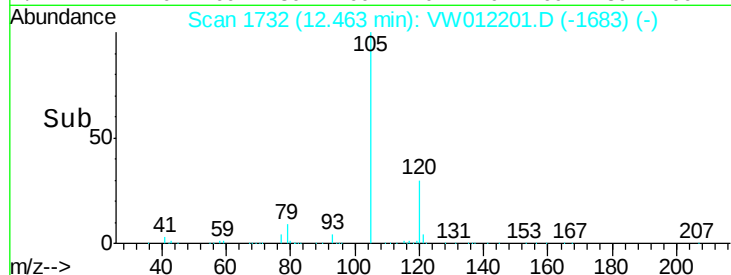
100000

50000

0

12.40 12.46 12.50

Time-->



#74

N-ethyl acetate

Concen: 20.209 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Tgt Ion: 43 Resp: 84104

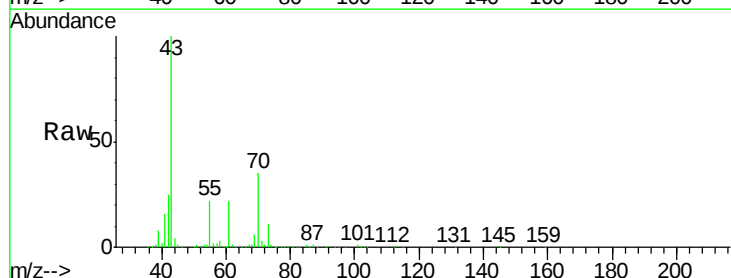
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 22.1 17.8 26.6

61 21.7 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

80000

60000

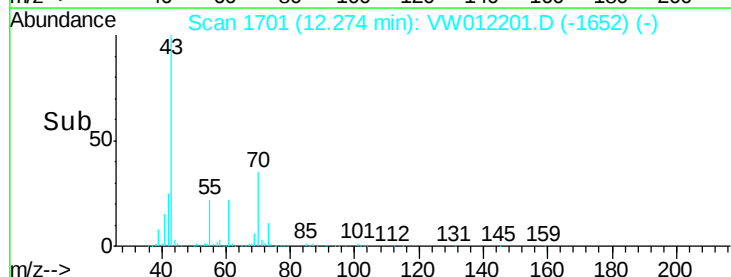
40000

20000

0

12.20 12.27 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.273 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD01

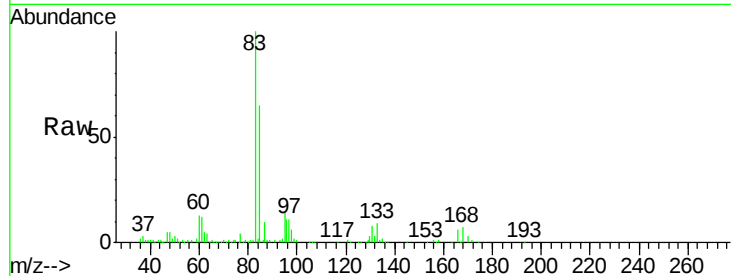
Tot Ion: 83 Resp: 48670

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

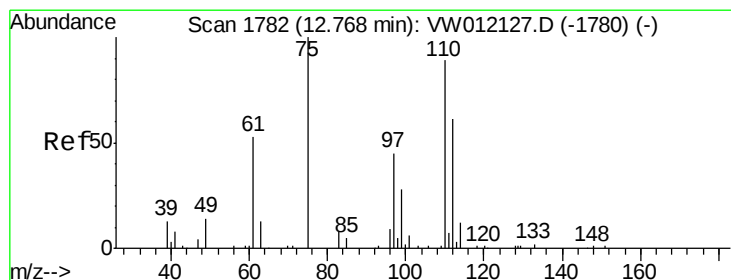
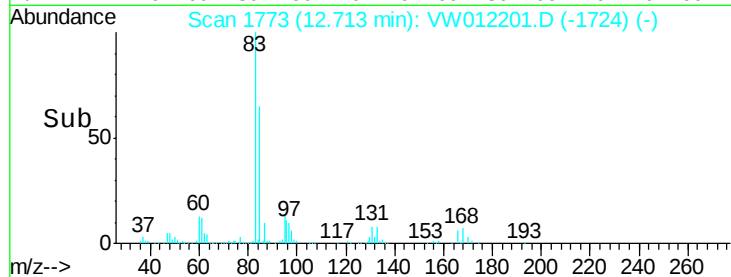
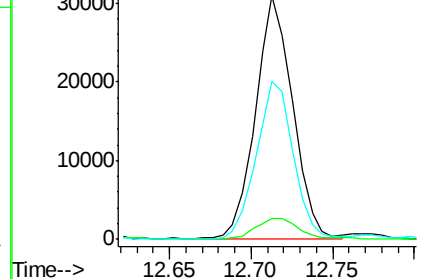
85 65.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 23.116 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012201.D

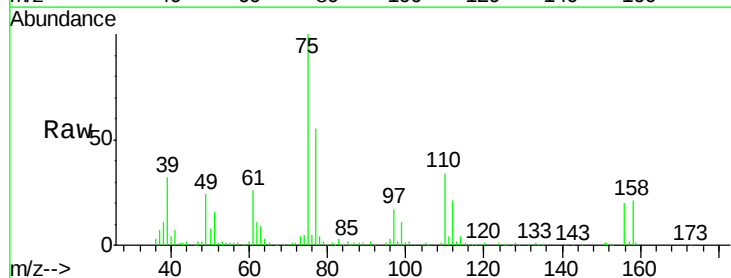
Acq: 27 Aug 2019 10:13

Tgt Ion: 75 Resp: 41386

Ion Ratio Lower Upper

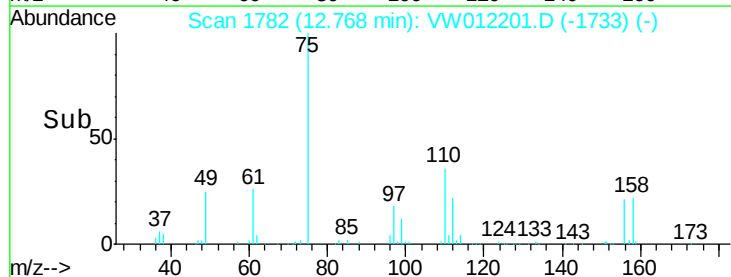
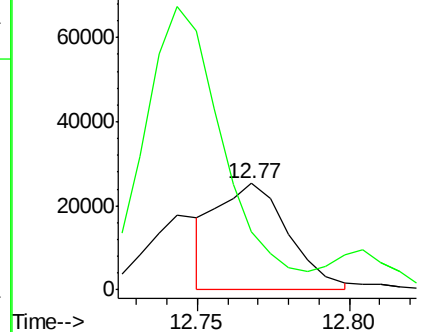
75 100

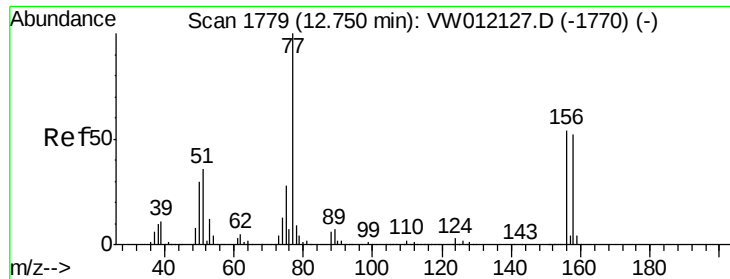
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.405 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

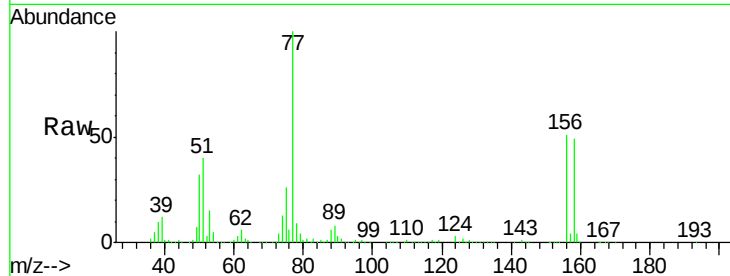
VW0827SBSD01

Tot Ion:156 Resp: 57827

Ion	Ratio	Lower	Upper
156	100		
77	212.7	107.3	321.8
158	97.1	49.0	147.0

77 212.7 107.3 321.8

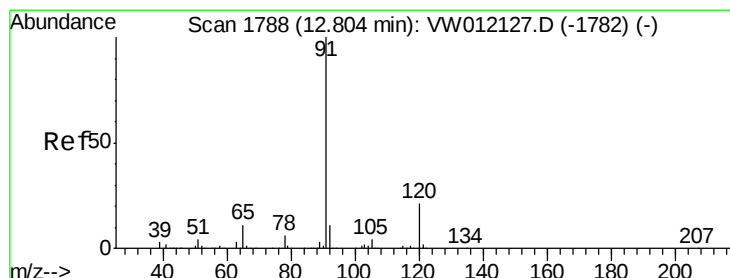
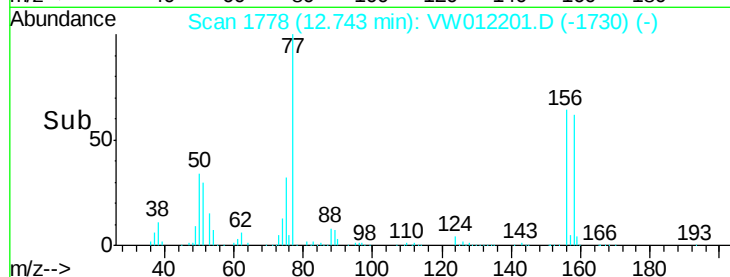
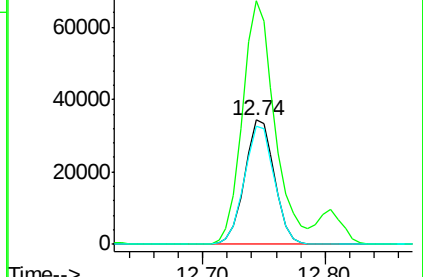
158 97.1 49.0 147.0



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: 19.503 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012201.D

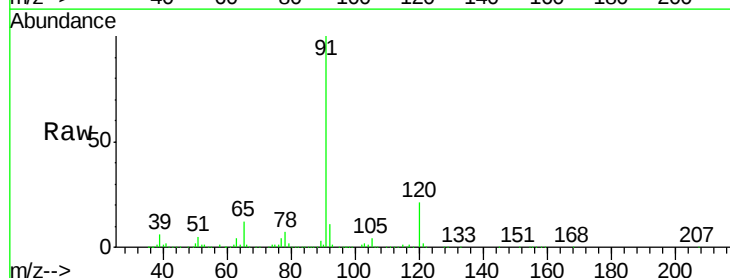
Acq: 27 Aug 2019 10:13

Tgt Ion: 91 Resp: 327957

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.5	31.6

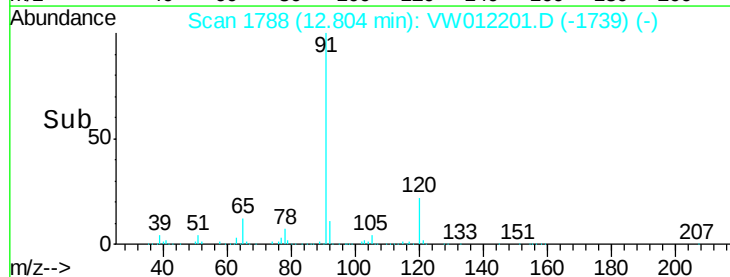
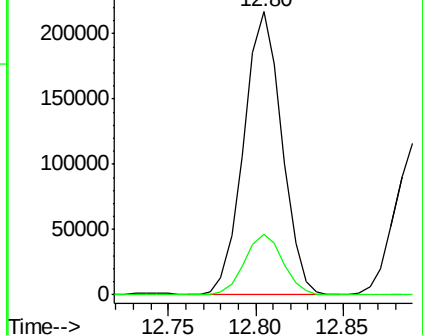
91 100

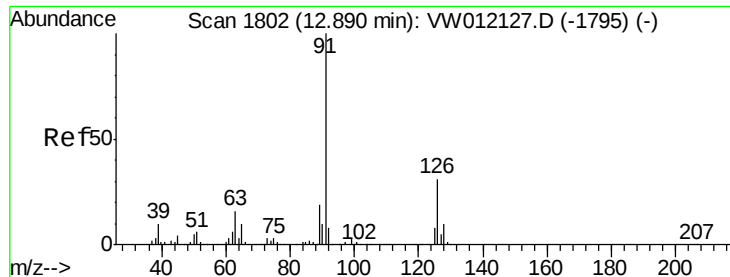
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.530 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

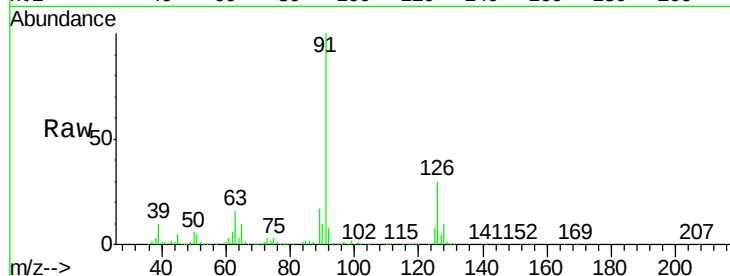
VW0827SBSD01

Tot Ion: 91 Resp: 186460

Ion Ratio Lower Upper

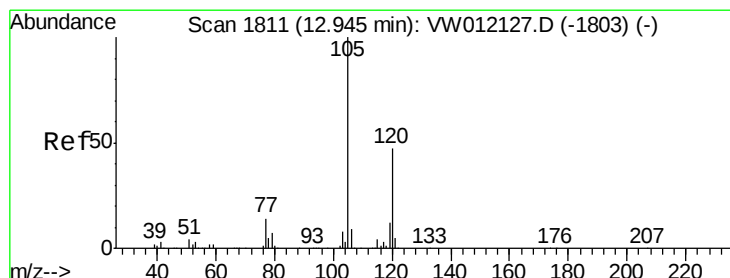
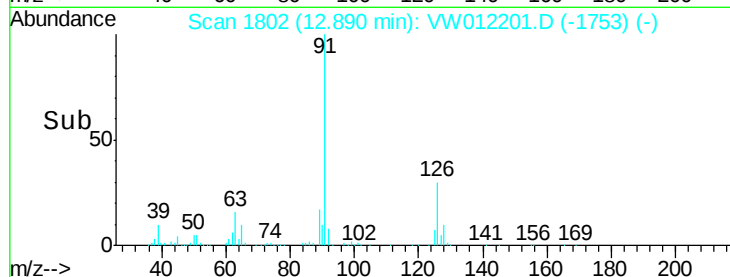
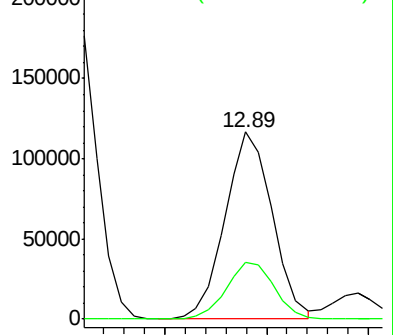
91 100

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: 19.314 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012201.D

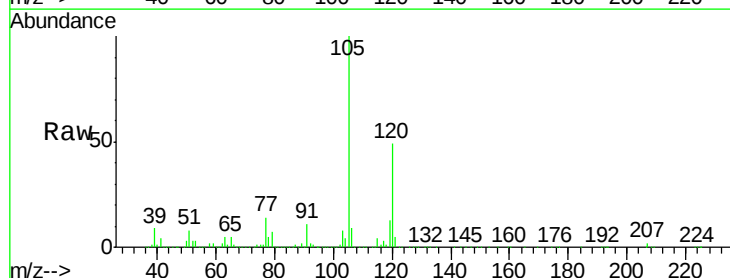
Acq: 27 Aug 2019 10:13

Tgt Ion:105 Resp: 222307

Ion Ratio Lower Upper

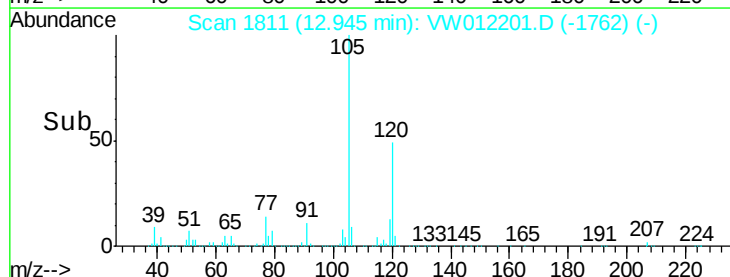
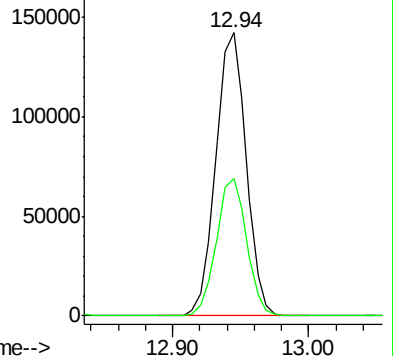
105 100

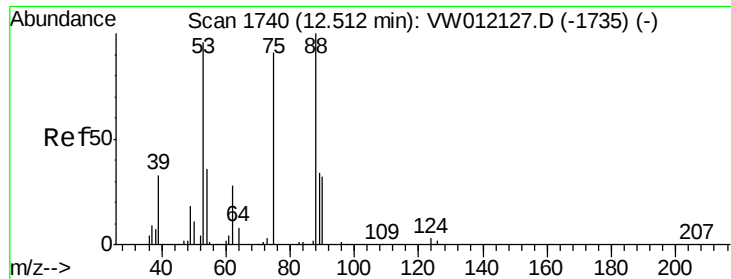
120 48.5 24.0 72.0



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: 19.512 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD01

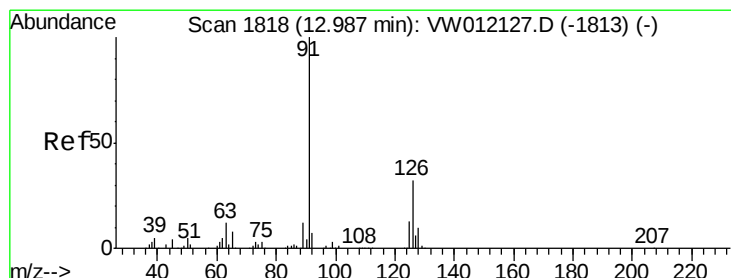
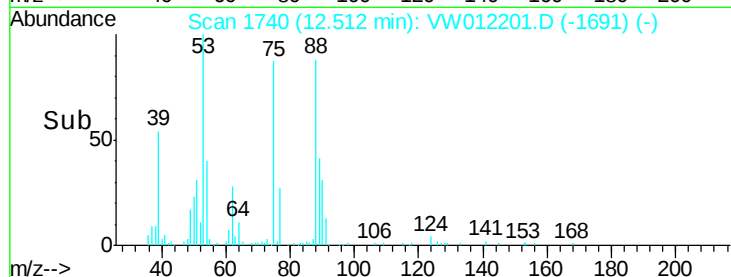
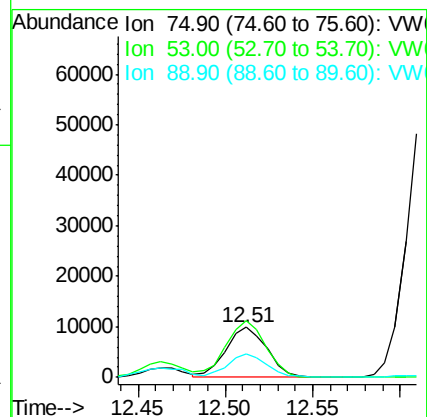
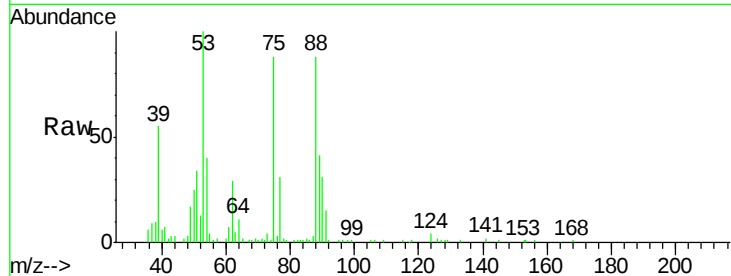
Tot Ion: 75 Resp: 15933

Ion Ratio Lower Upper

75 100

53 110.7 89.4 134.0

89 44.3 34.5 51.7



#82

4-Chlorotoluene

Concen: 19.573 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012201.D

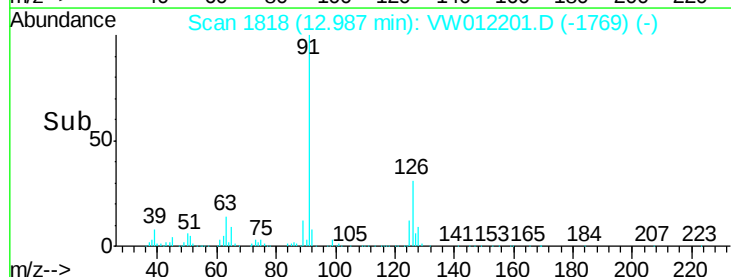
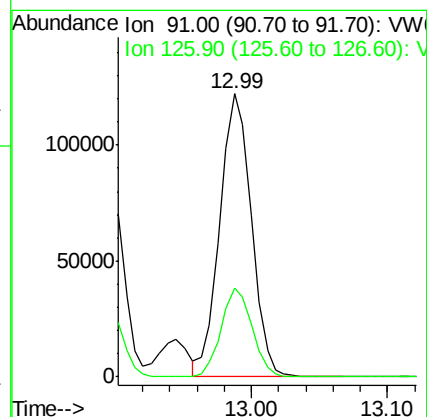
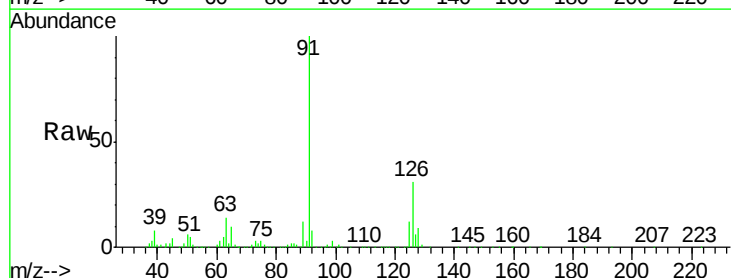
Acq: 27 Aug 2019 10:13

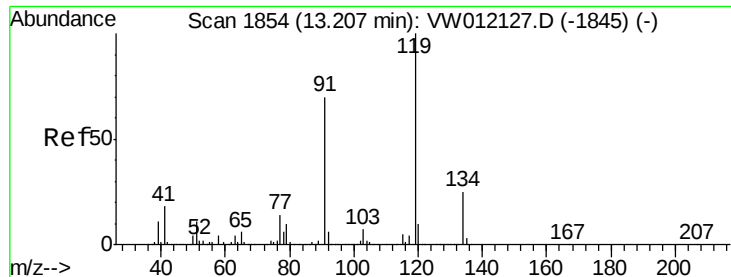
Tgt Ion: 91 Resp: 195667

Ion Ratio Lower Upper

91 100

126 30.9 15.6 46.8

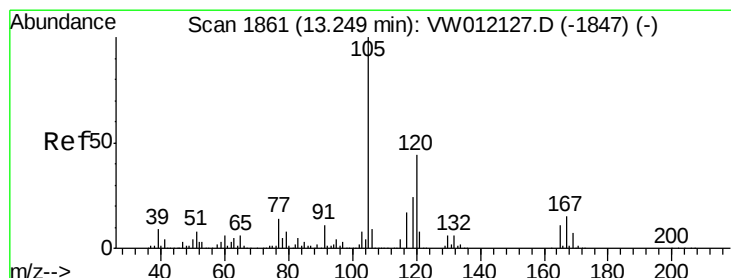
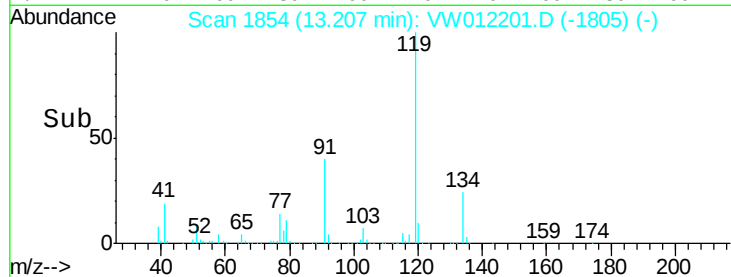
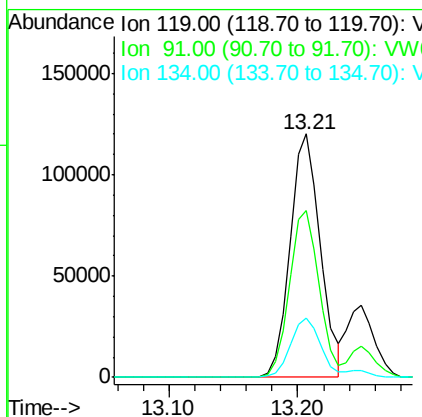
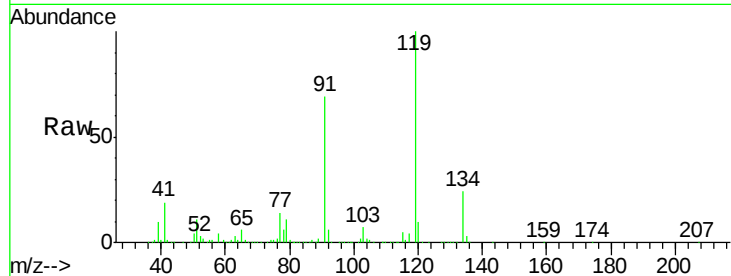




#83
tert-Butylbenzene
Concen: 20.020 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

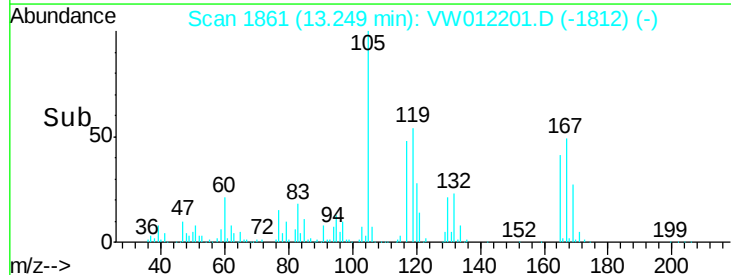
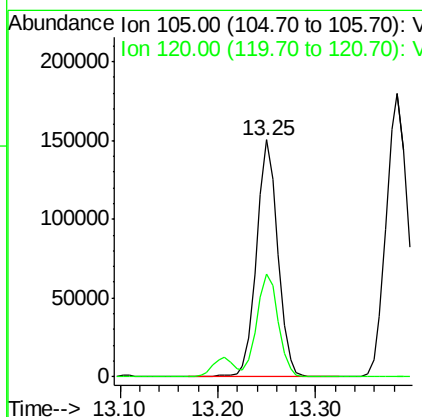
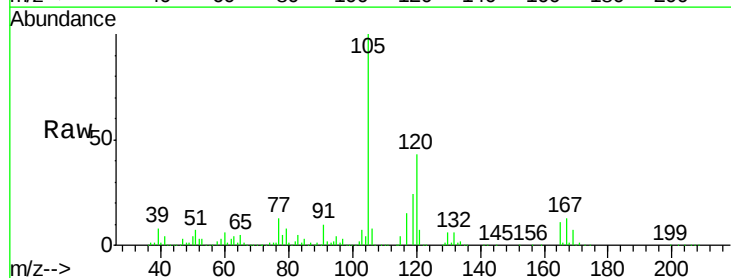
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

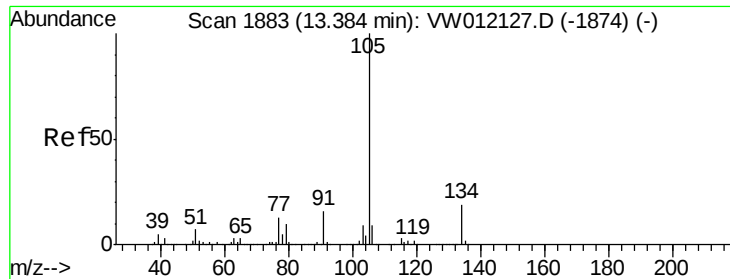
Tot Ion:119 Resp: 195197
Ion Ratio Lower Upper
119 100
91 67.2 34.8 104.3
134 24.5 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 19.535 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Tgt Ion:105 Resp: 225866
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 19.615 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

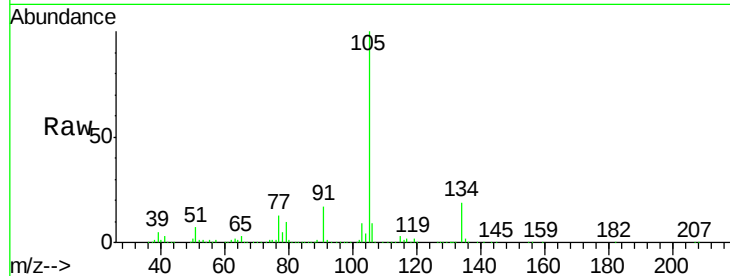
VW0827SBSD01

Tot Ion:105 Resp: 273992

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

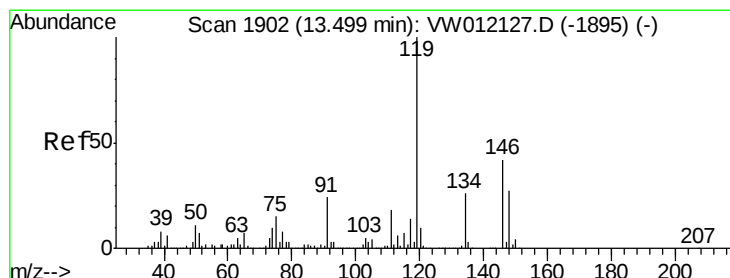
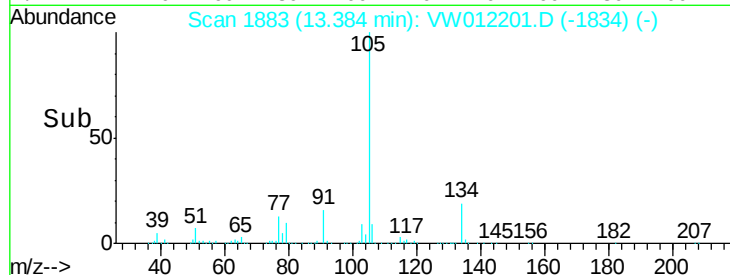
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 19.766 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

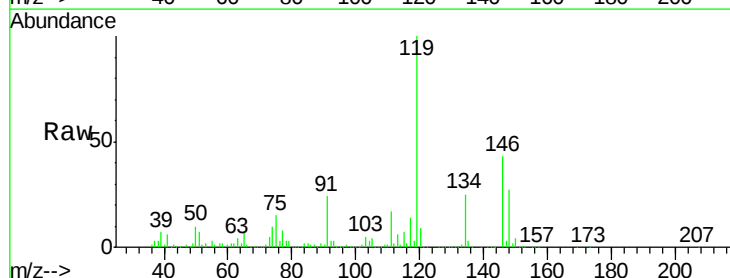
Tgt Ion:119 Resp: 246578

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.2 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW

13.50

200000

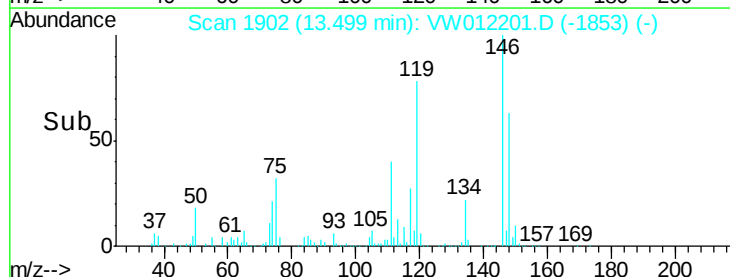
150000

100000

50000

0

Time--> 13.40 13.50

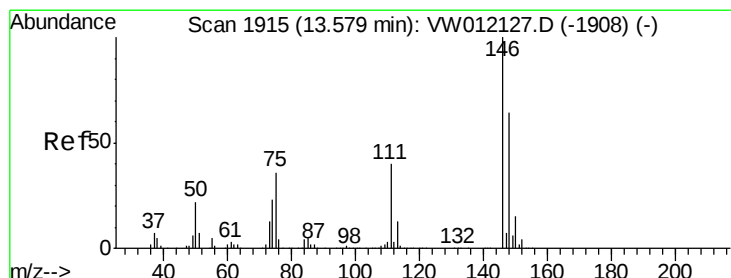
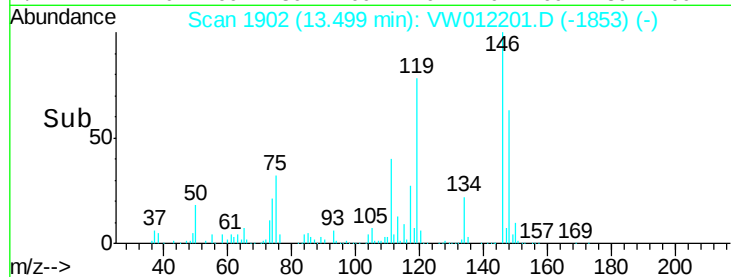
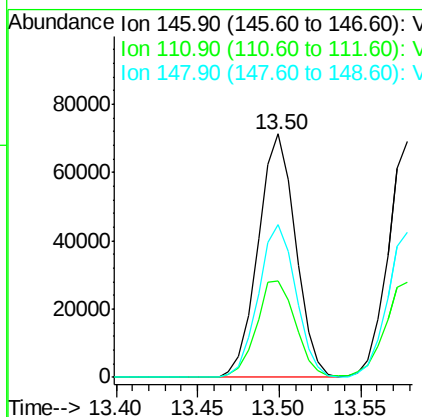
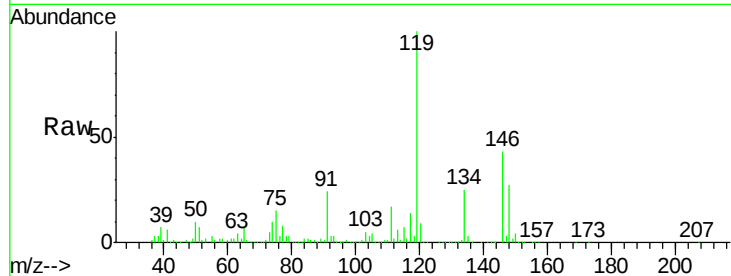




#87
 1,3-Dichlorobenzene
 Concen: 19.450 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

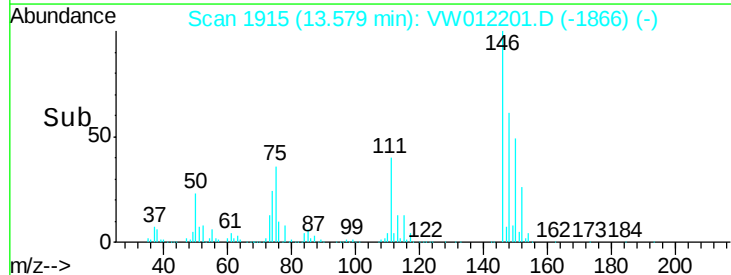
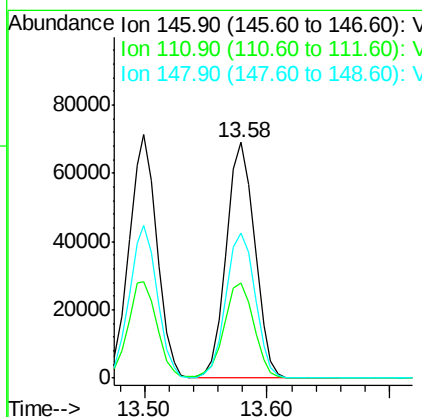
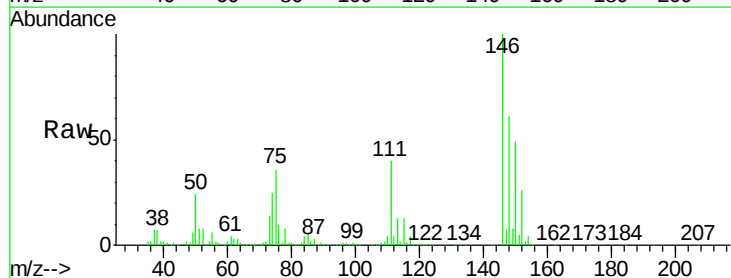
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

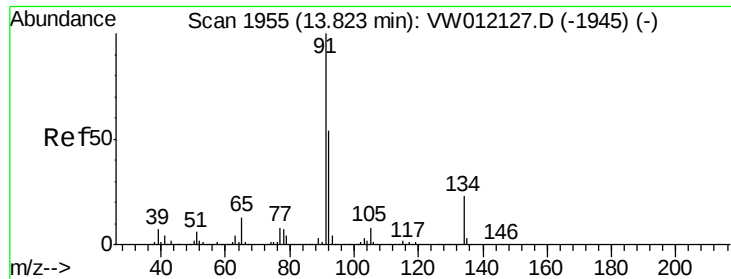
Tot Ion:146 Resp: 113371
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.7
 148 63.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.235 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion:146 Resp: 111326
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 60.0
 148 63.4 32.1 96.3





#89

n-Butylbenzene

Concen: 19.620 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBS01

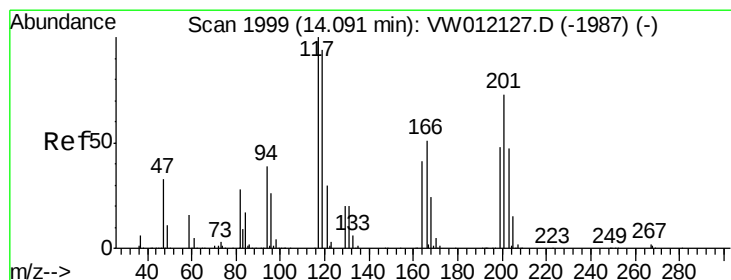
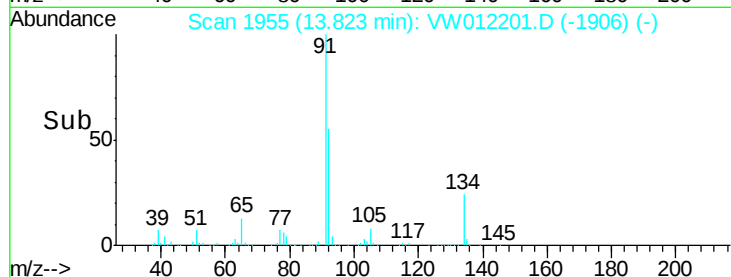
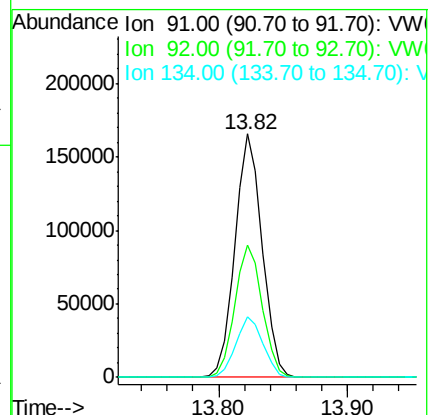
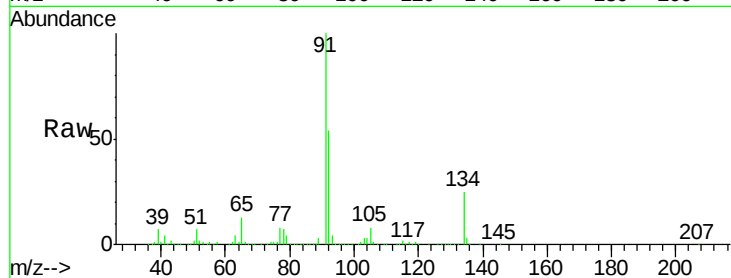
Tot Ion: 91 Resp: 243397

Ion Ratio Lower Upper

91 100

92 54.9 27.1 81.2

134 24.9 12.2 36.4



#90

Hexachloroethane

Concen: 19.155 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012201.D

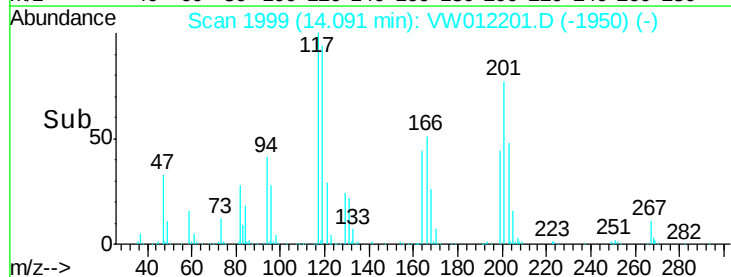
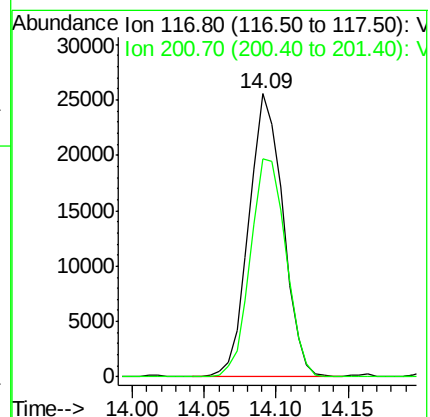
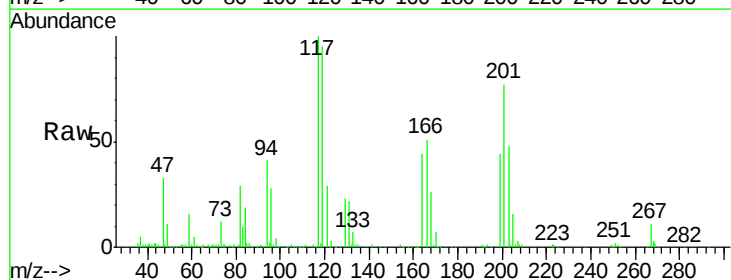
Acq: 27 Aug 2019 10:13

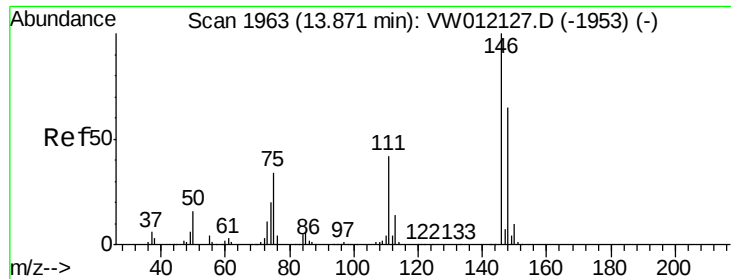
Tgt Ion: 117 Resp: 41923

Ion Ratio Lower Upper

117 100

201 80.3 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 19.761 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW0827SBSD01

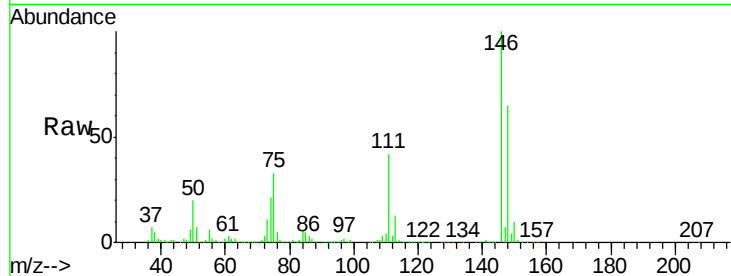
Tot Ion:146 Resp: 101043

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

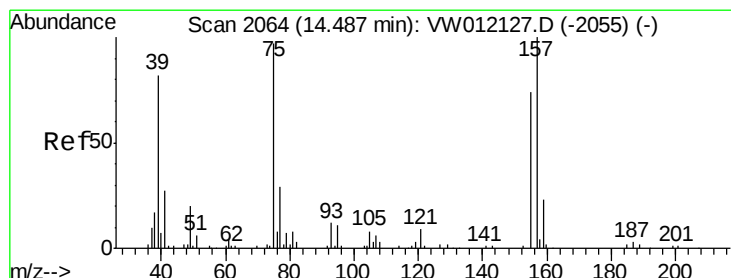
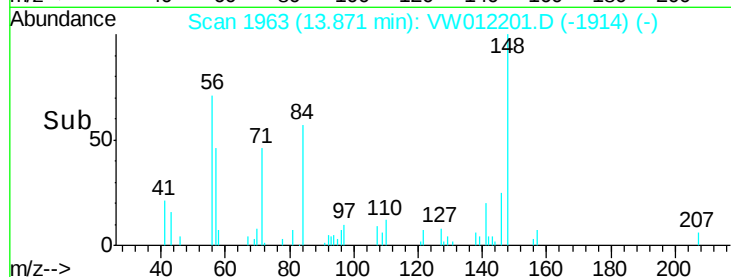
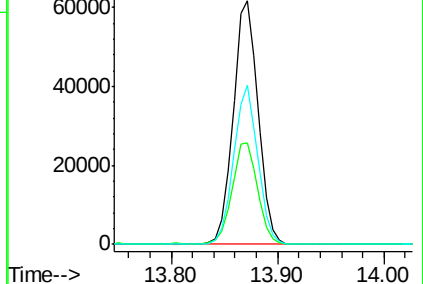
148 63.3 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.621 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

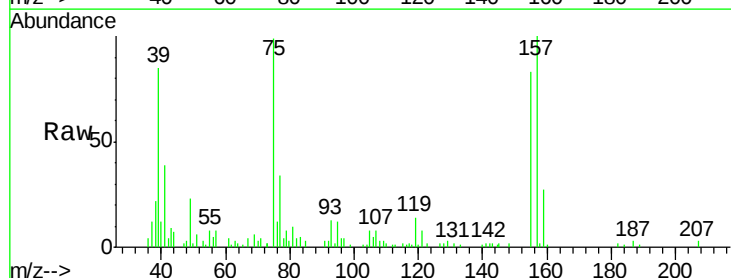
Tgt Ion: 75 Resp: 8353

Ion Ratio Lower Upper

75 100

155 77.9 37.5 112.3

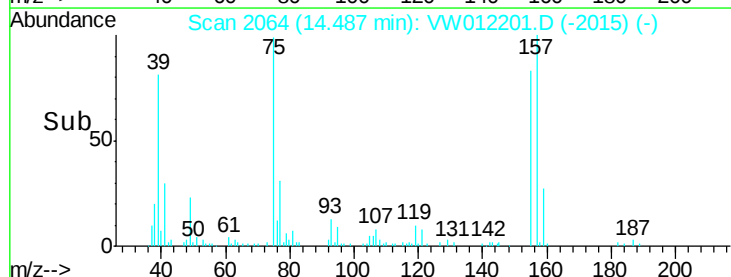
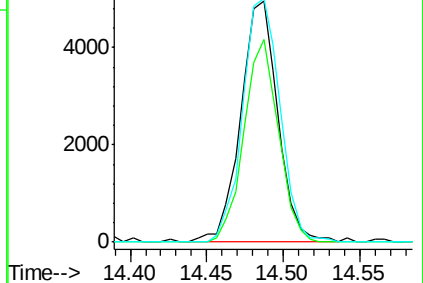
157 102.0 50.5 151.5

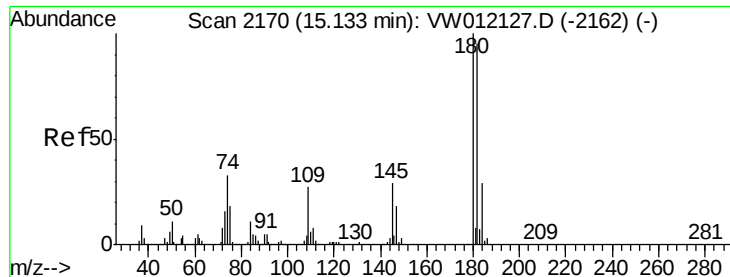


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

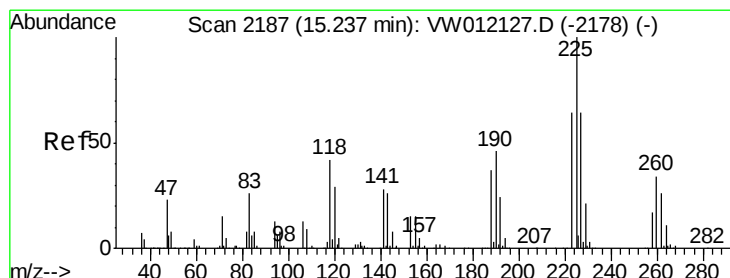
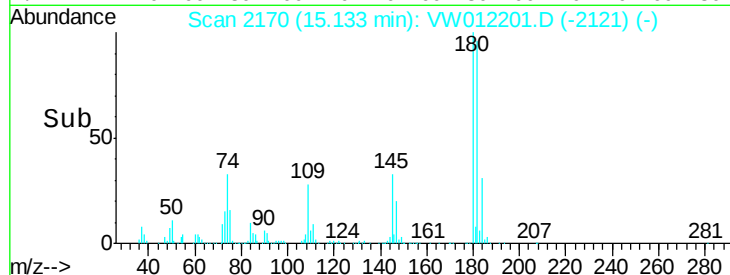
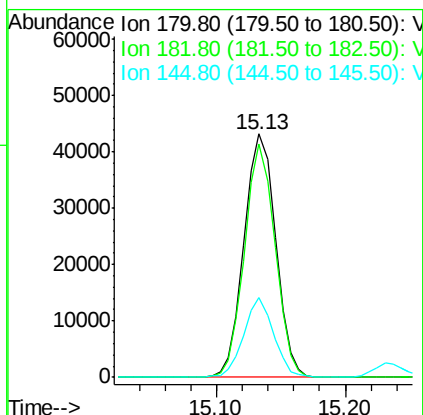
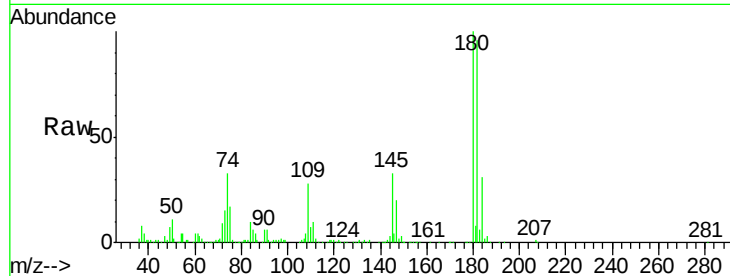




#93
 1,2,4-Trichlorobenzene
 Concen: 20.768 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

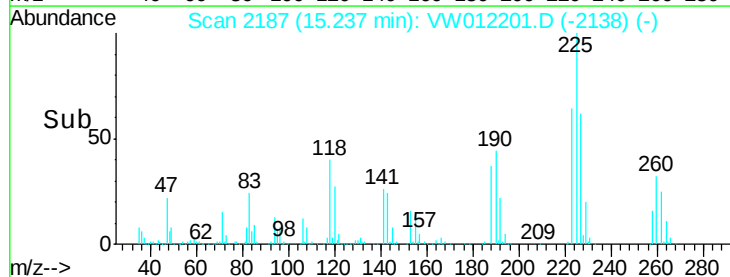
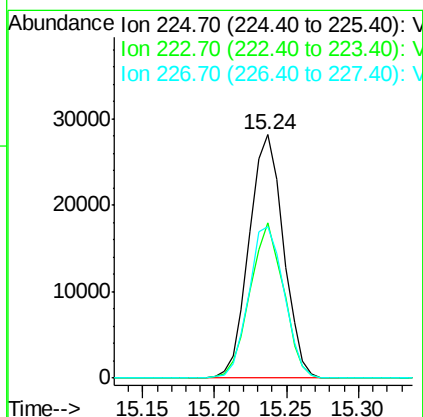
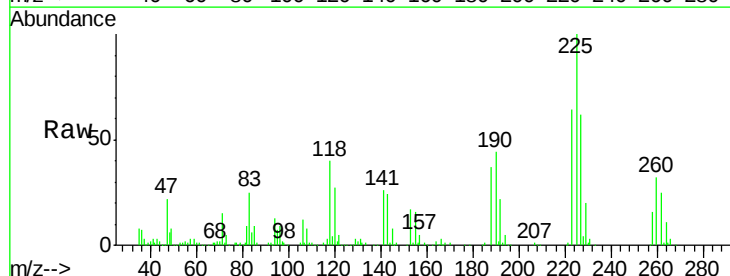
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

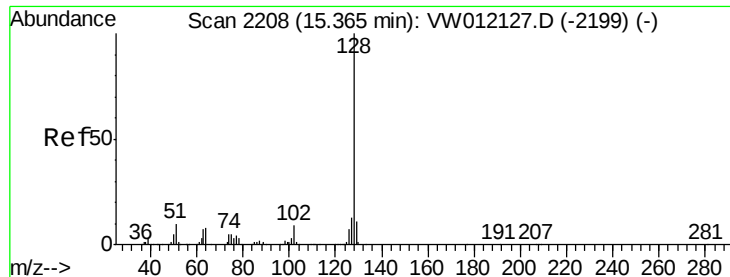
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.8	143.4
145	31.2	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 19.847 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.3	96.8
227	64.3	32.9	98.6

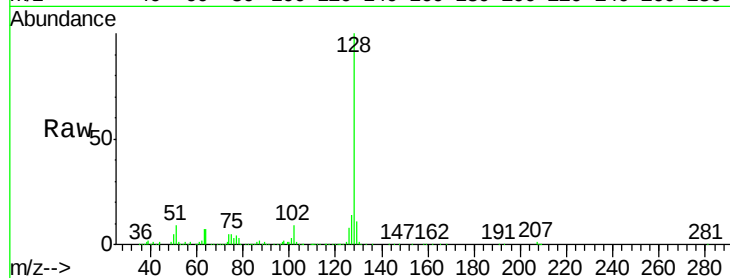




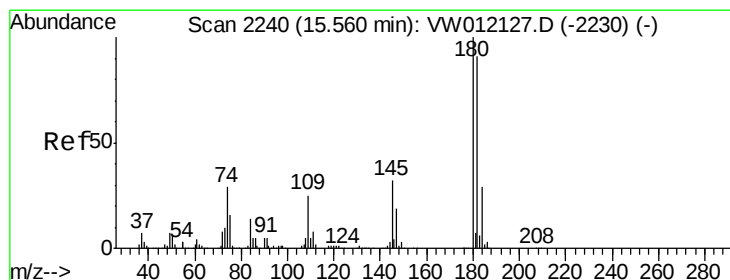
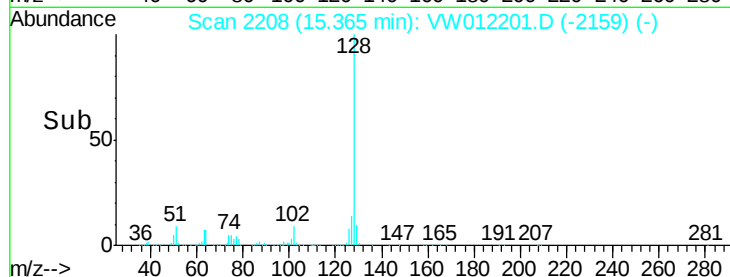
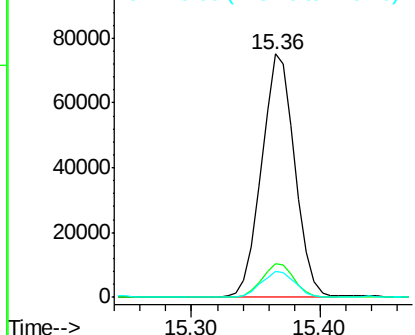
#95
Naphthalene
Concen: 21.941 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

Tot Ion:128 Resp: 133736
Ion Ratio Lower Upper
128 100
127 14.0 10.7 16.1
129 10.8 8.7 13.1

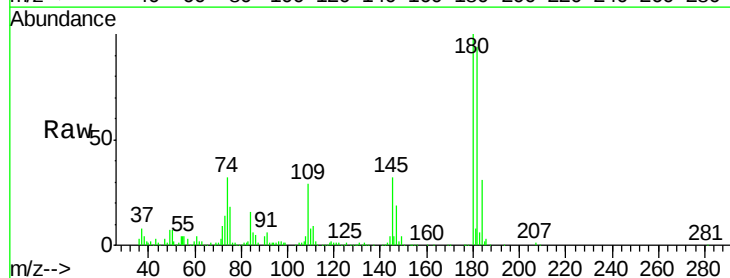


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.862 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Tgt Ion:180 Resp: 64318
Ion Ratio Lower Upper
180 100
182 93.0 47.1 141.3
145 33.6 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

