

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 04:52:42 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						
33) 1,2-Dichloroethane-d4	8.31	65	161716	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	7.88	113	130690	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.32	98	540482	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	190891	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds				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

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Quant Time: Aug 28 04:52:42 2019
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 Quant Title : SW846 8260
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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	65746	36.722	ug/l #	100
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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

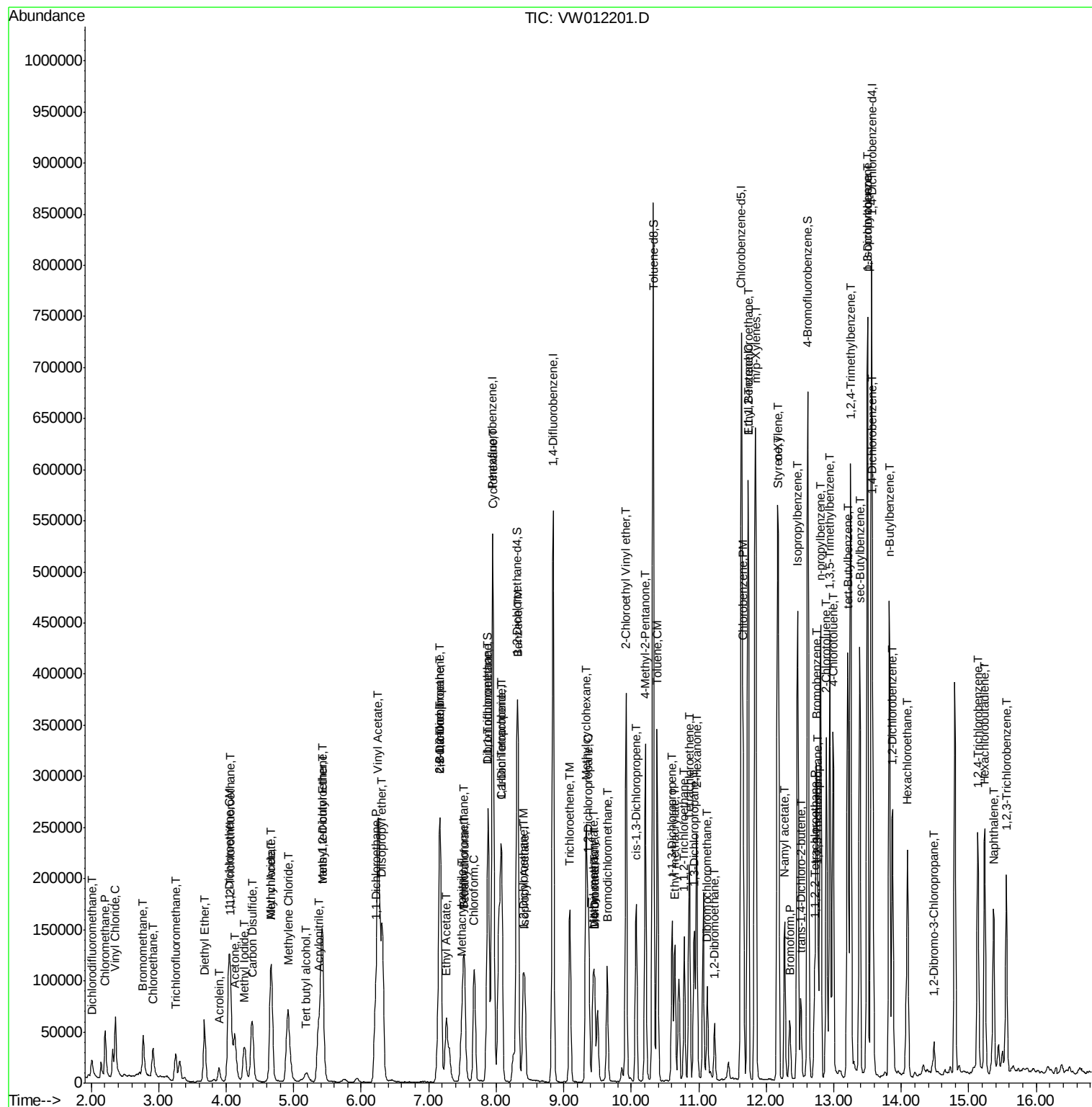
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	73386	20.768	ug/l	97
94) Hexachlorobutadiene	15.24	225	46309	19.847	ug/l	98
95) Naphthalene	15.36	128	133736	21.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	64318	20.862	ug/l	98

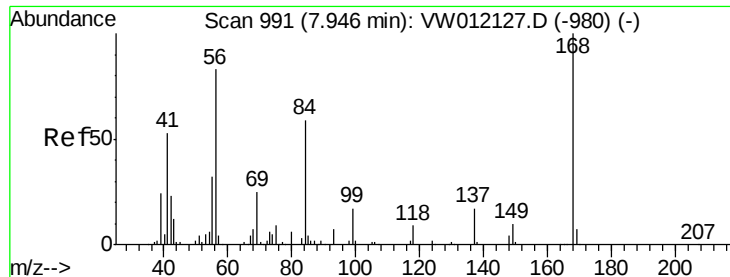
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012201.D
 Acq On : 27 Aug 2019 10:13
 Operator : SY/VA
 Sample : VW0827SBSD01
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

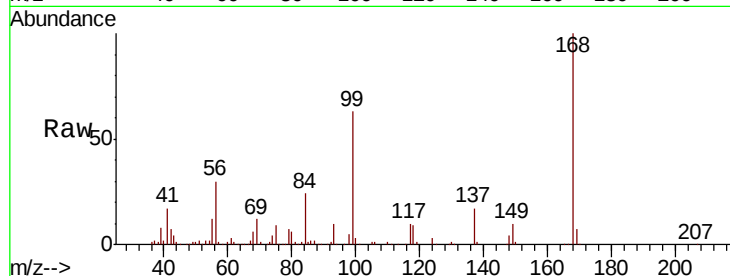
VW0827SBSD01

Tgt 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

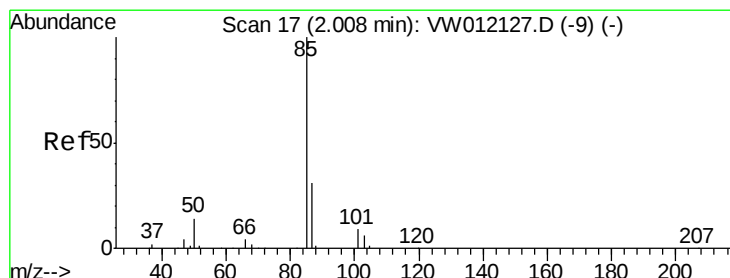
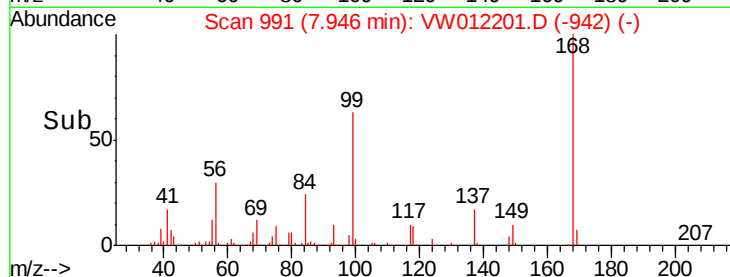
7.95

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

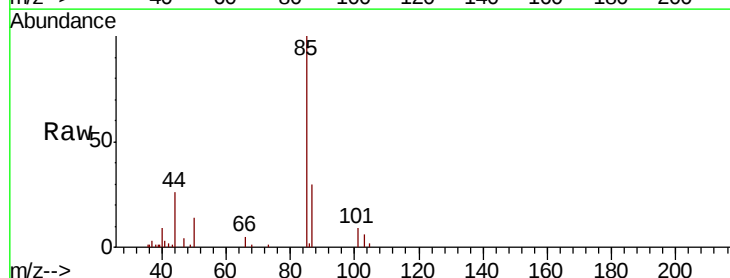
Acq: 27 Aug 2019 10:13

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

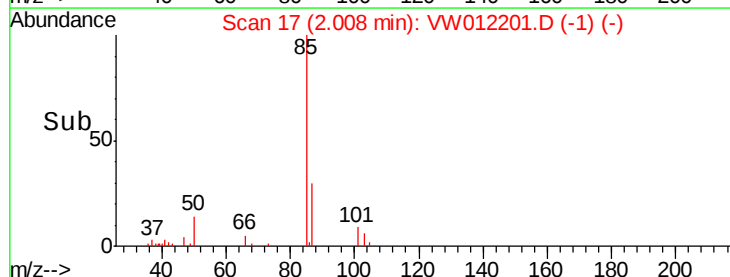
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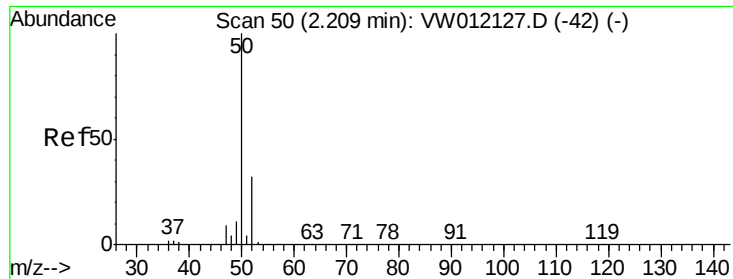
4000

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 :

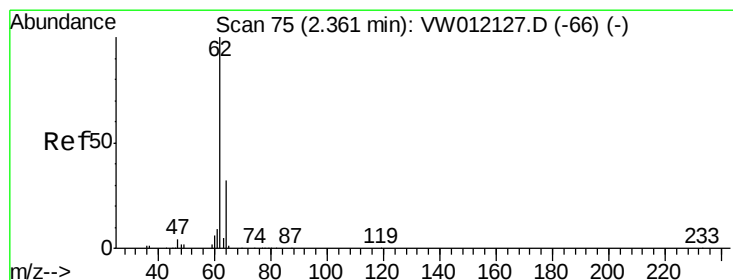
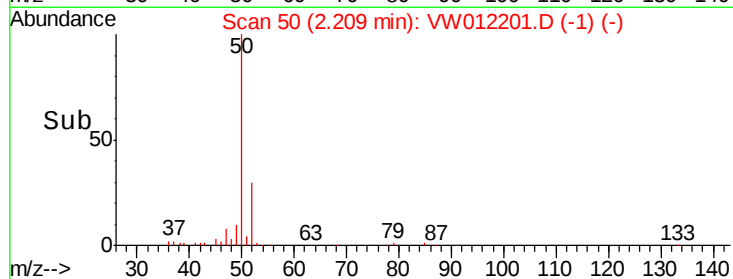
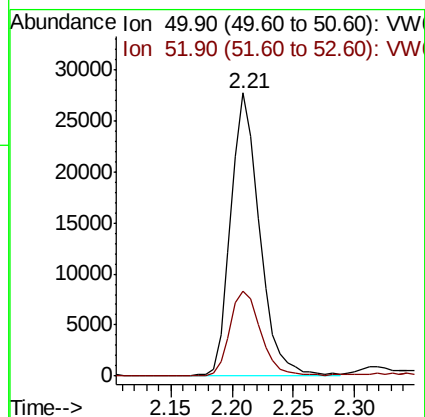
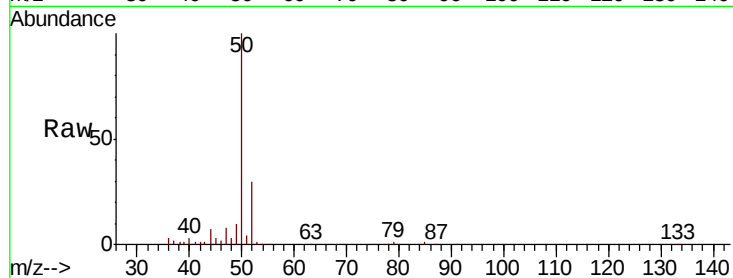
VW0827SBSD01

Tgt 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

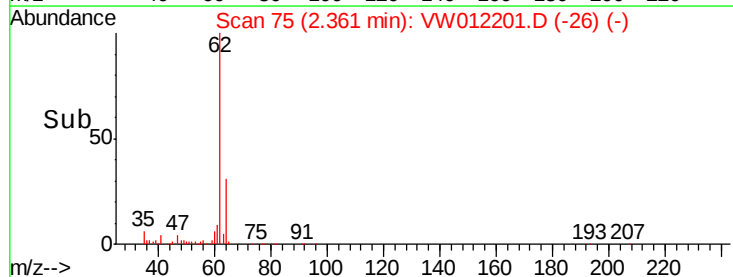
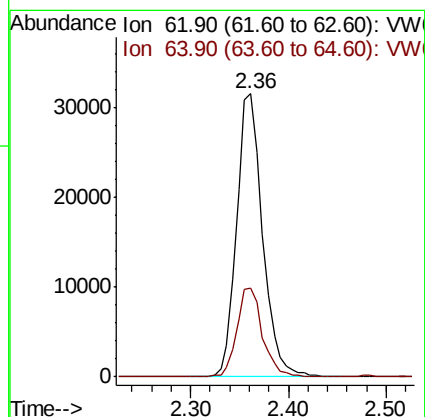
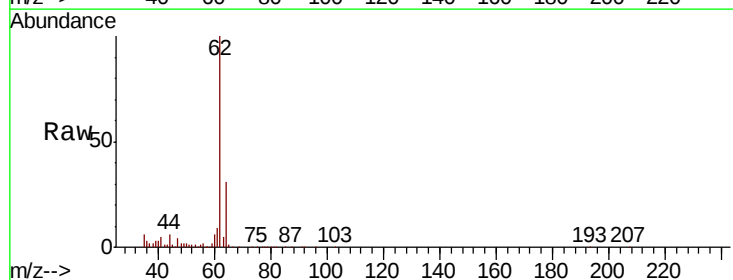
Acq: 27 Aug 2019 10:13

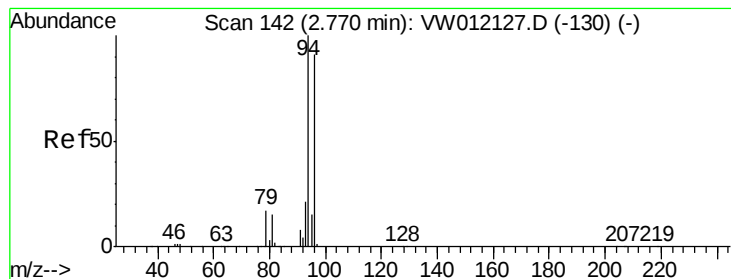
Tgt Ion: 62 Resp: 57928

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 :

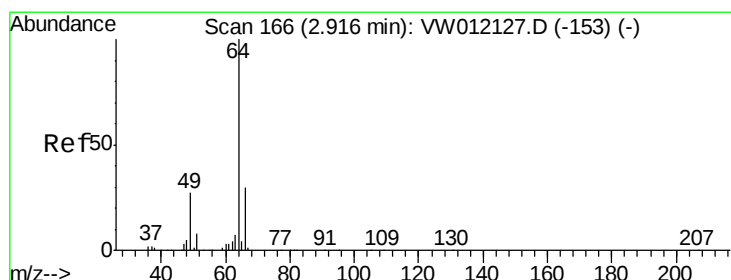
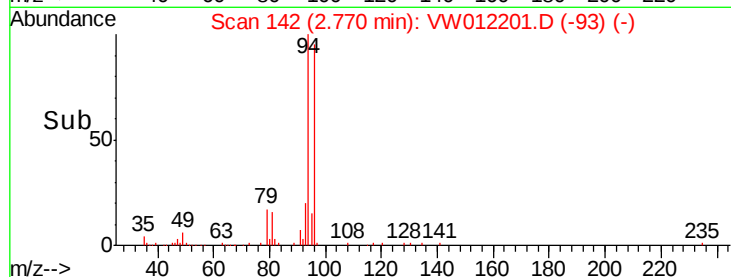
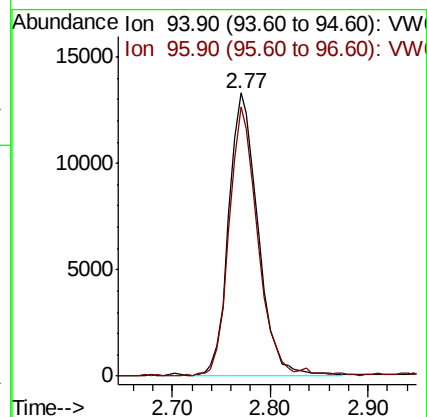
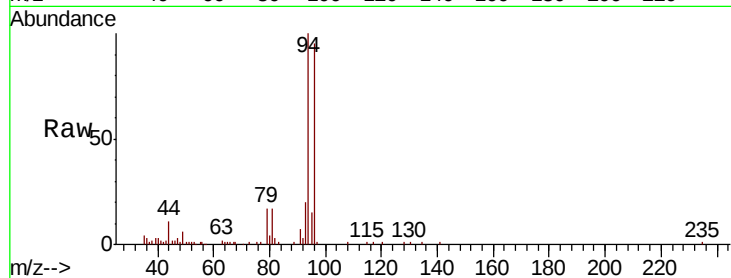
VW0827SBSD01

Tgt 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

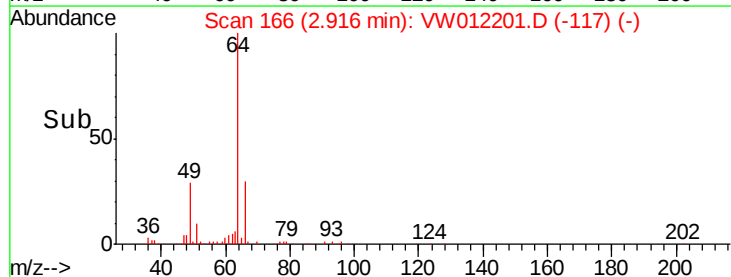
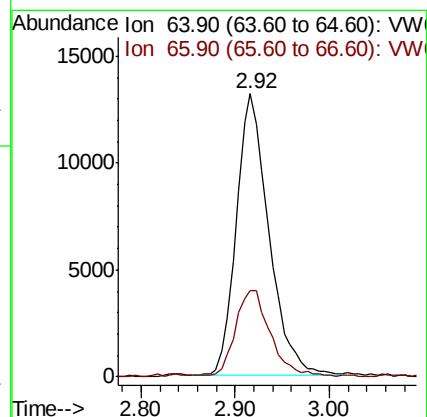
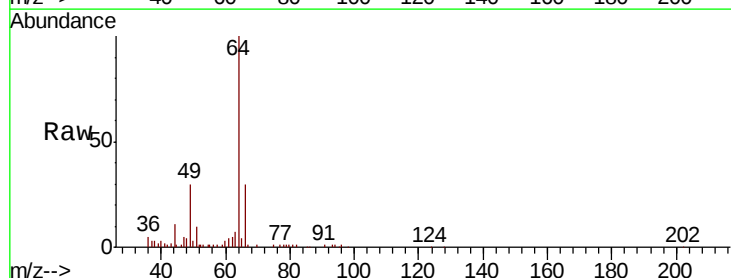
Acq: 27 Aug 2019 10:13

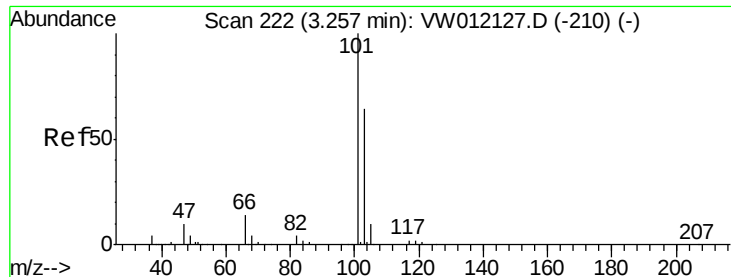
Tgt Ion: 64 Resp: 31684

Ion Ratio Lower Upper

64 100

66 30.0 23.8 35.8



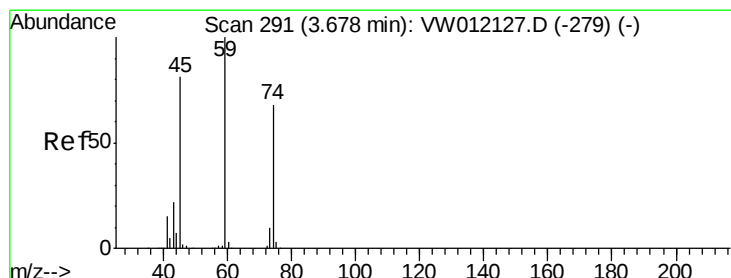
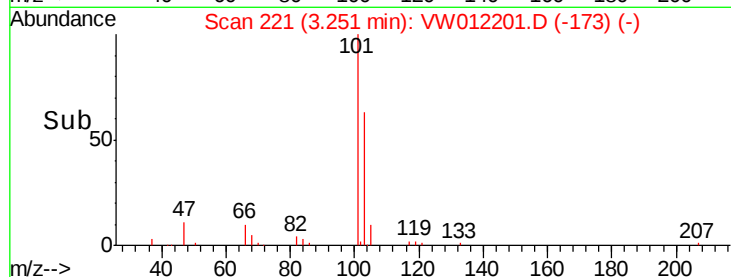
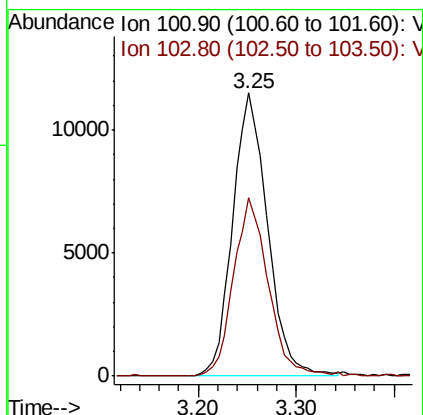
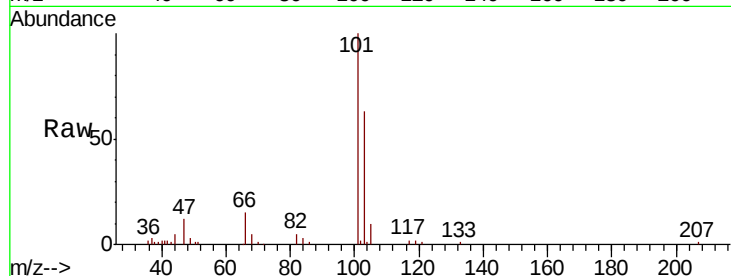


#7

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

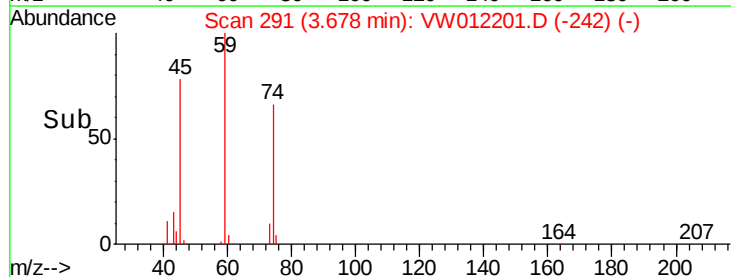
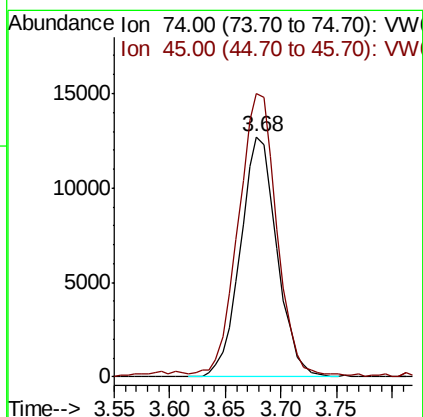
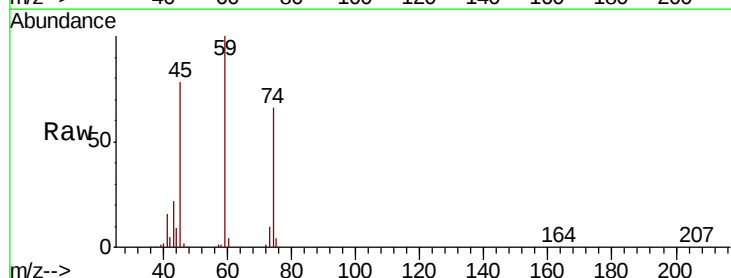
Tgt Ion:101 Resp: 28452
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.2 76.8

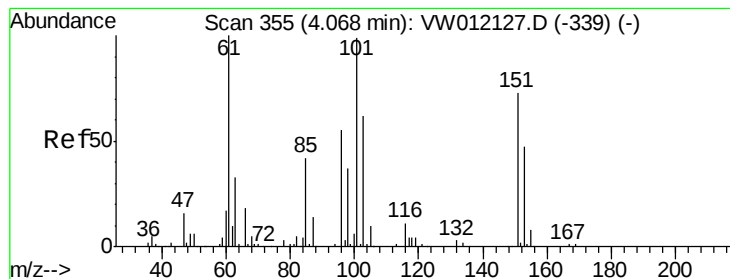


#8

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

ClientSampleId :

VW0827SBSD01

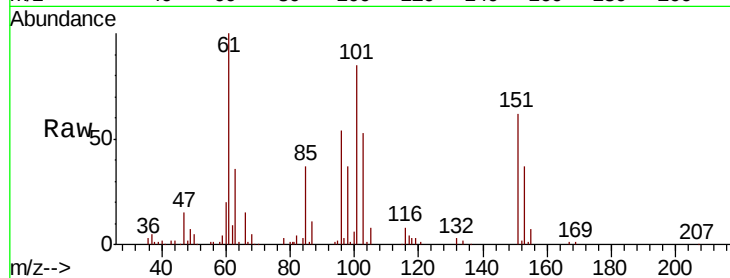
Tgt Ion:101 Resp: 50866

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.6

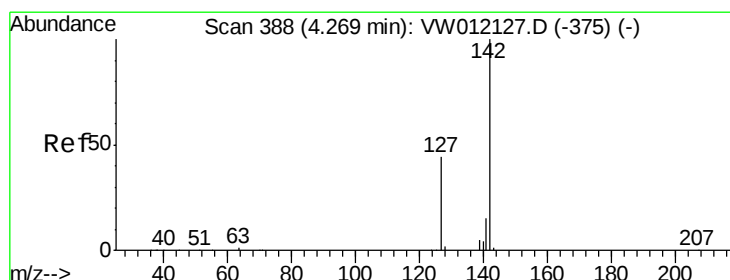
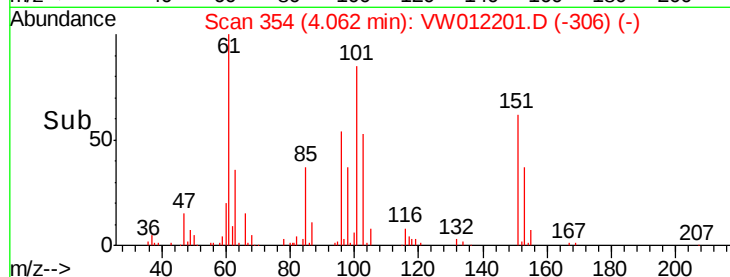
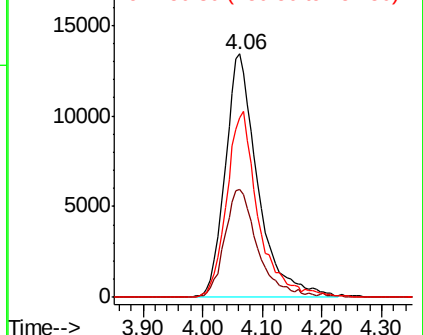
151 74.1 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

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

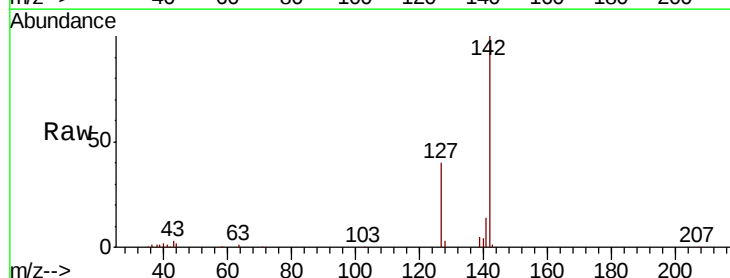
Tgt Ion:142 Resp: 67127

Ion Ratio Lower Upper

142 100

127 43.3 35.5 53.3

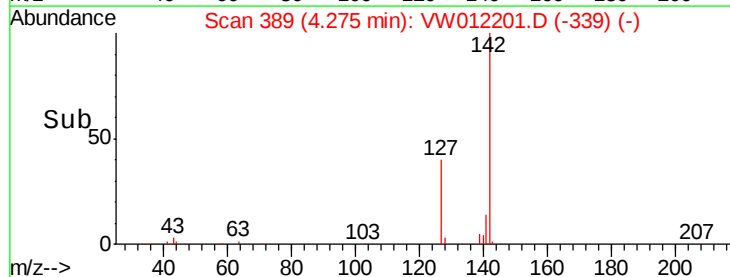
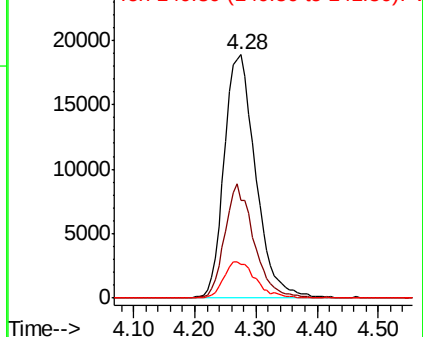
141 15.2 11.8 17.8

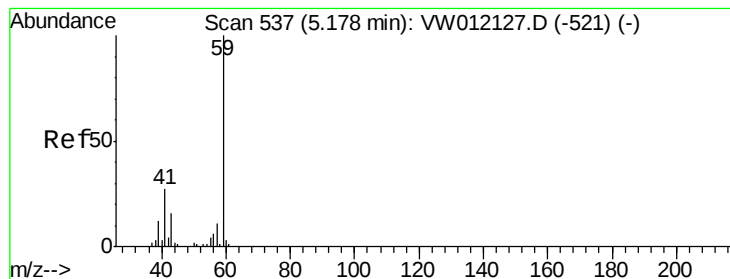


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



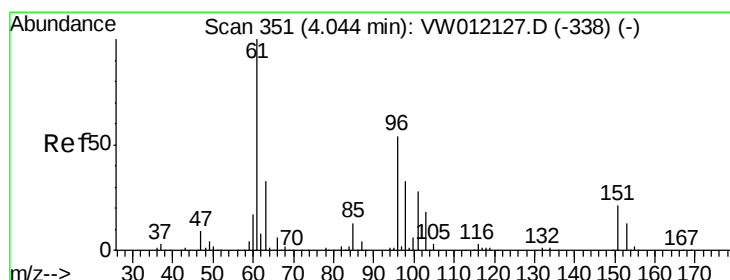
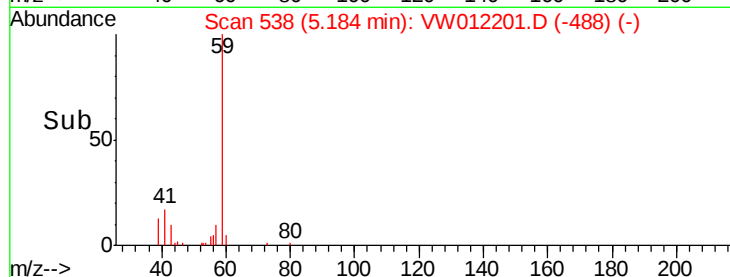
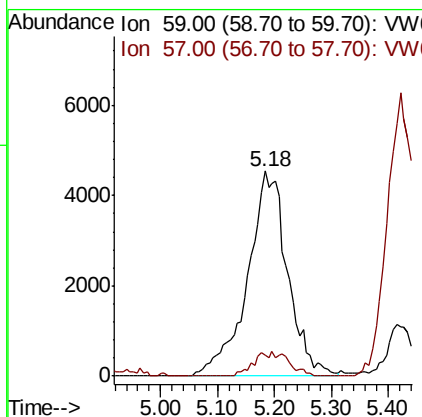
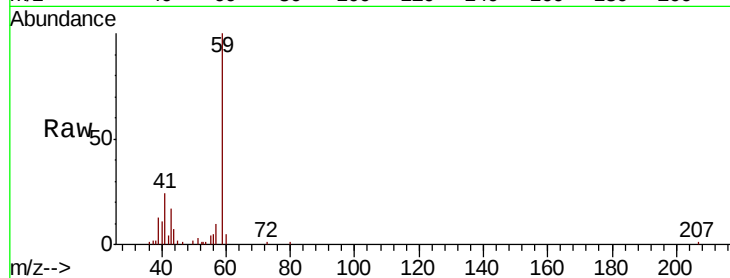


#11

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 :
VW0827SBSD01

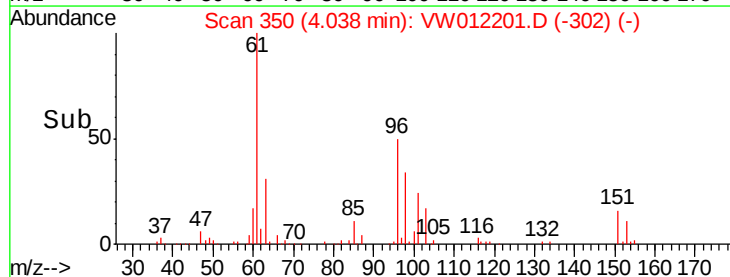
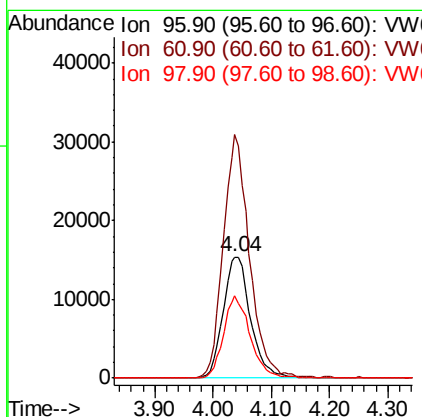
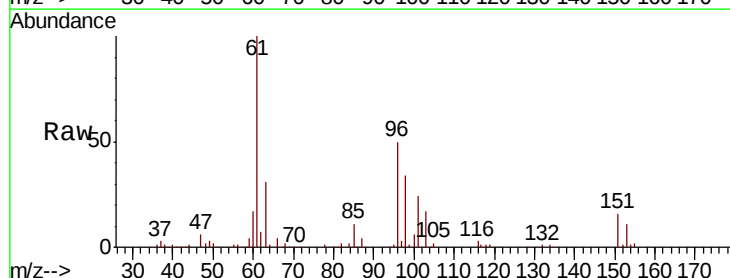
Tgt Ion: 59 Resp: 22149
Ion Ratio Lower Upper
59 100
57 4.8 9.0 13.4#

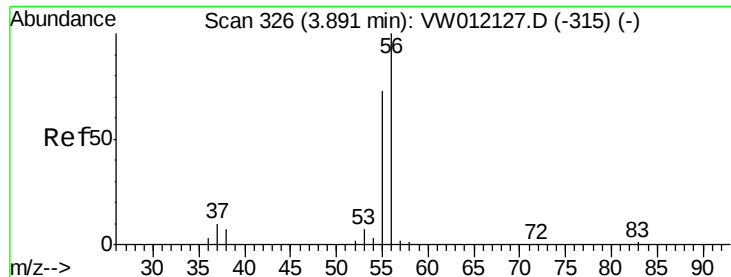


#12

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 :

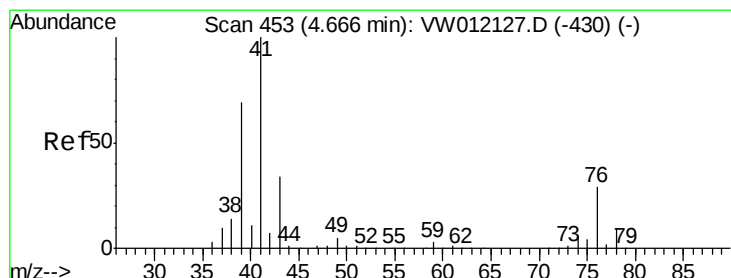
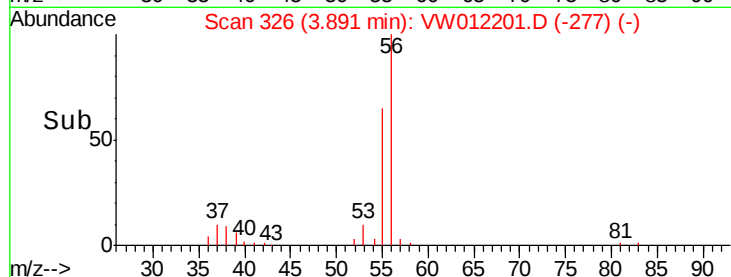
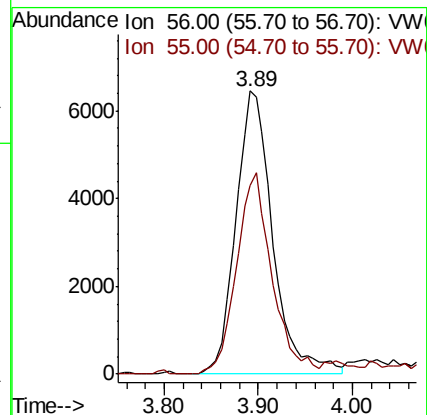
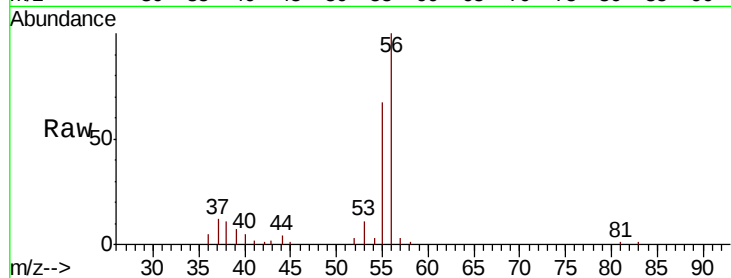
VW0827SBSD01

Tgt 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

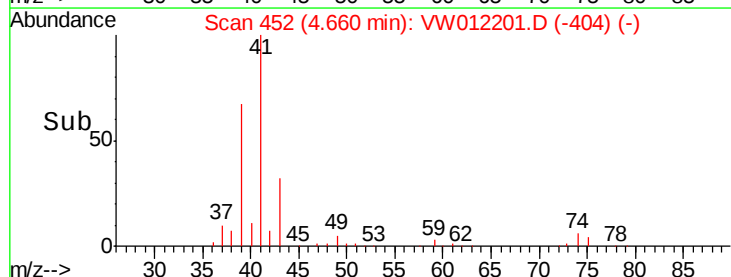
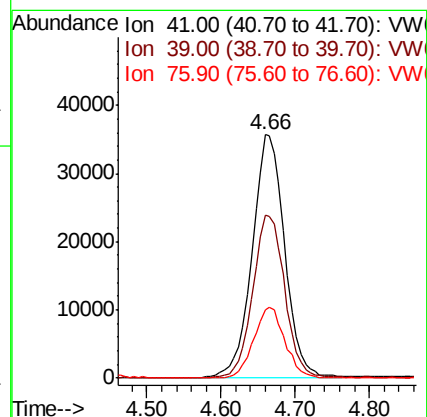
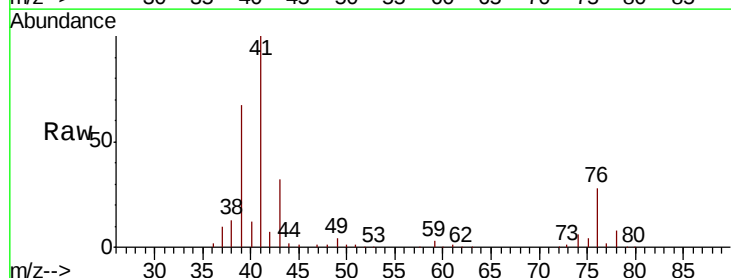
Tgt Ion: 41 Resp: 109618

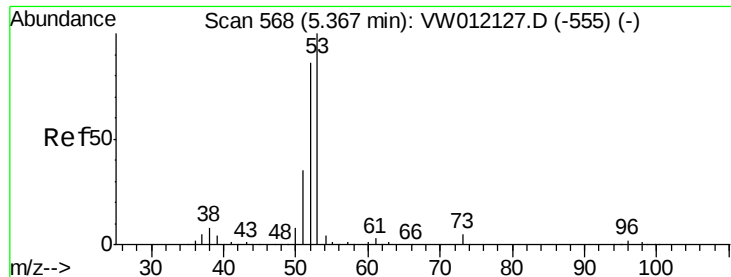
Ion Ratio Lower Upper

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 :

VW0827SBSD01

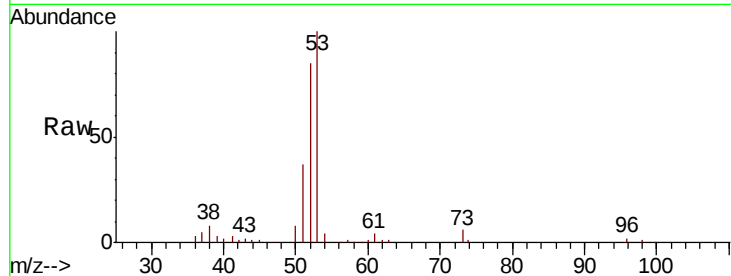
Tgt Ion: 53 Resp: 71809

Ion Ratio Lower Upper

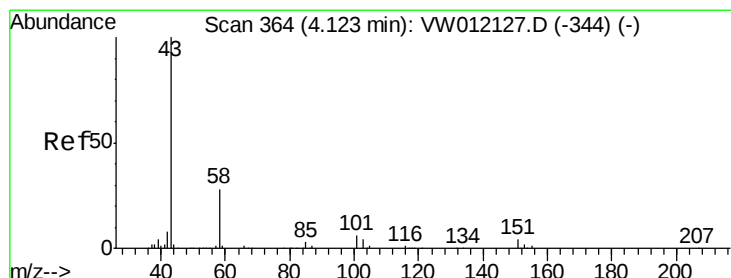
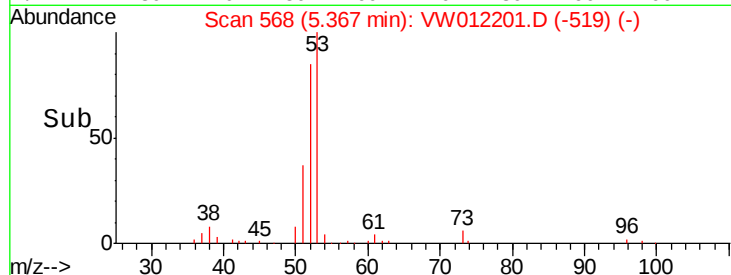
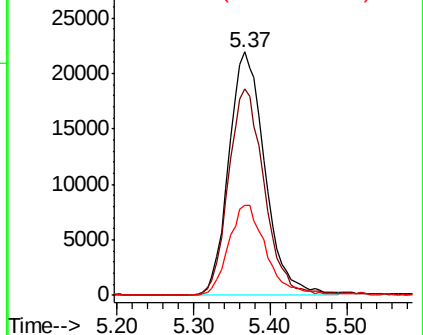
53 100

52 84.3 66.7 100.1

51 38.6 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 85.553 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012201.D

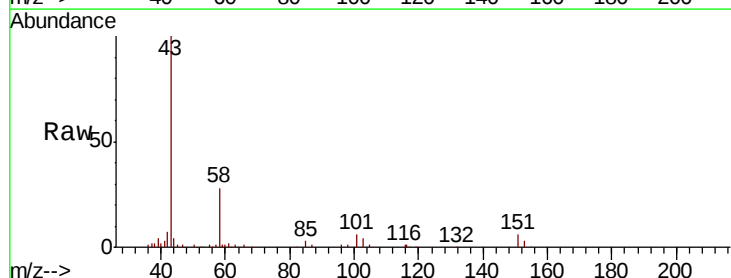
Acq: 27 Aug 2019 10:13

Tgt Ion: 43 Resp: 72022

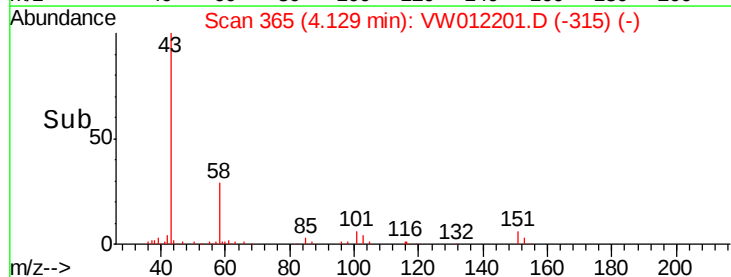
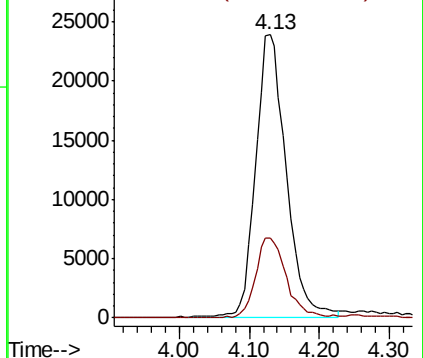
Ion Ratio Lower Upper

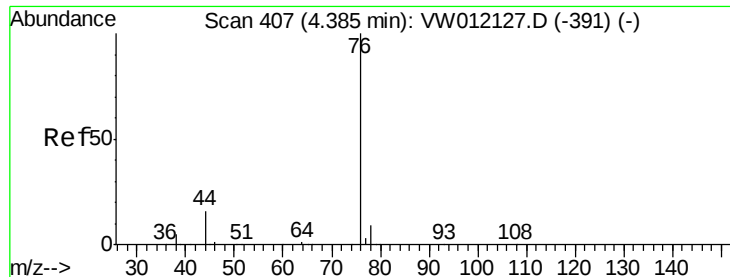
43 100

58 28.4 22.4 33.6



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

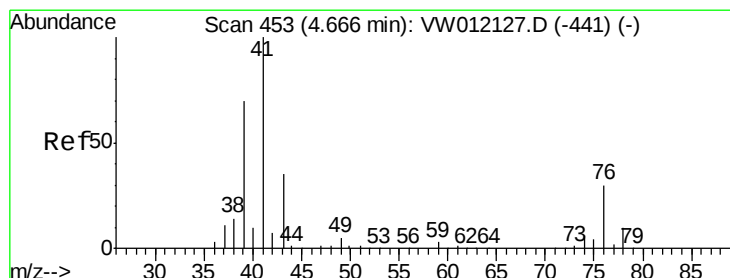
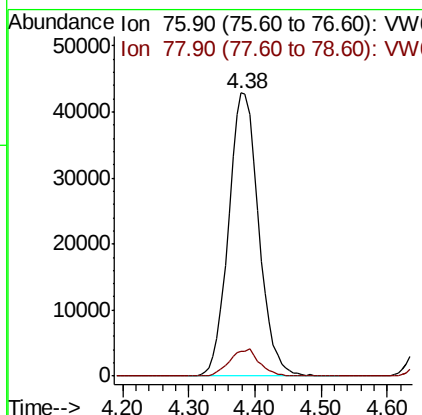
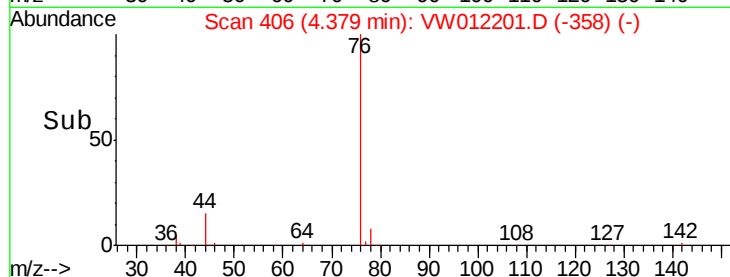
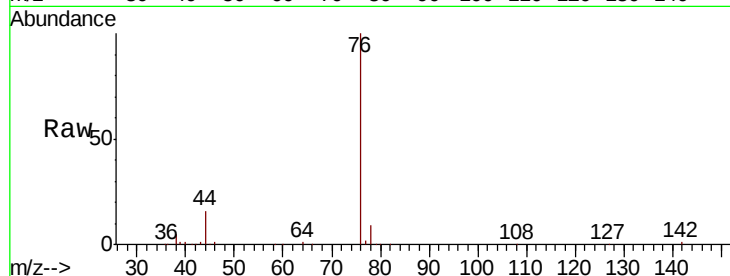




#17
Carbon Disulfide
Concen: 16.121 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

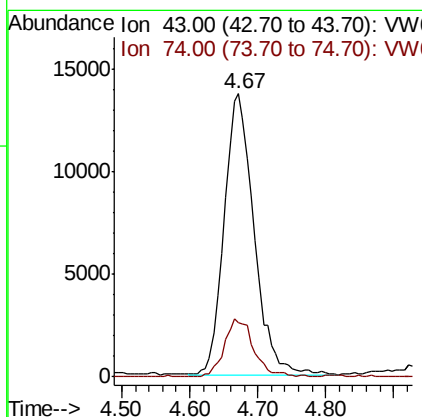
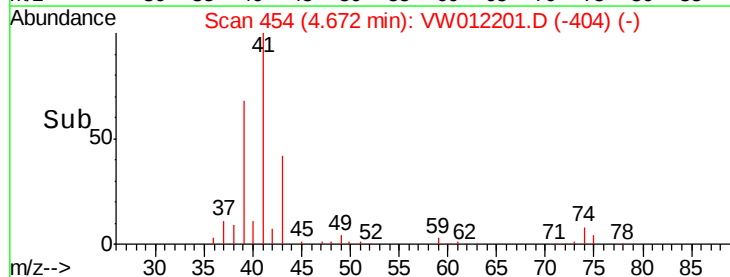
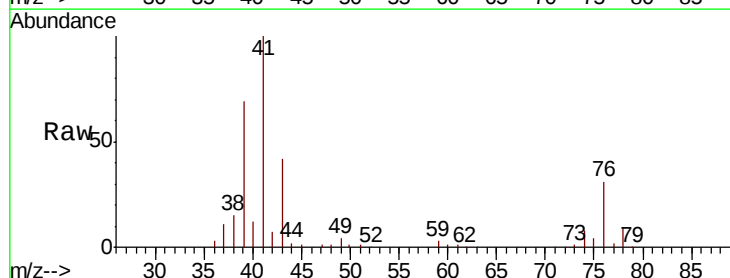
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

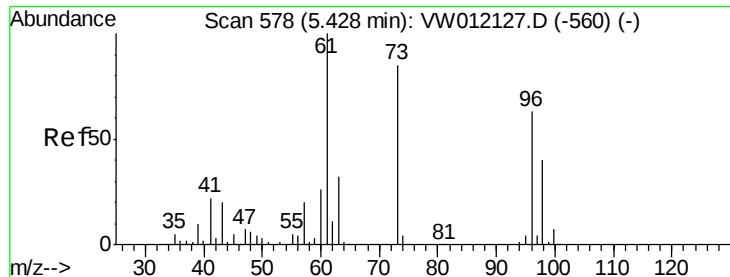
Tgt Ion: 76 Resp: 135389
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#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





#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 :

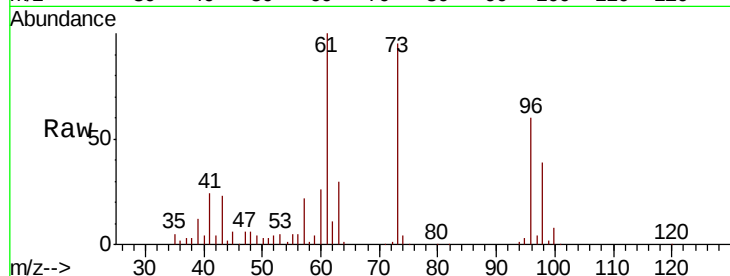
VW0827SBSD01

Tgt Ion: 73 Resp: 88580

Ion Ratio Lower Upper

73 100

57 22.6 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.43

25000

20000

15000

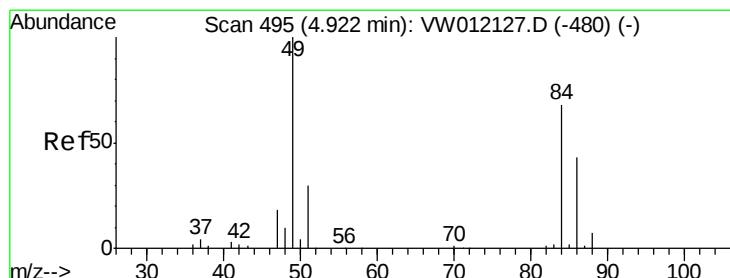
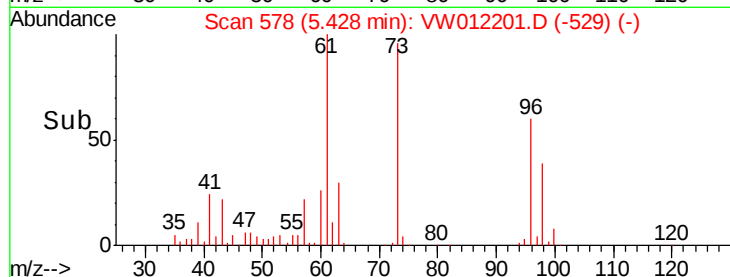
10000

5000

0

Time-->

5.30 5.40 5.50 5.60



#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

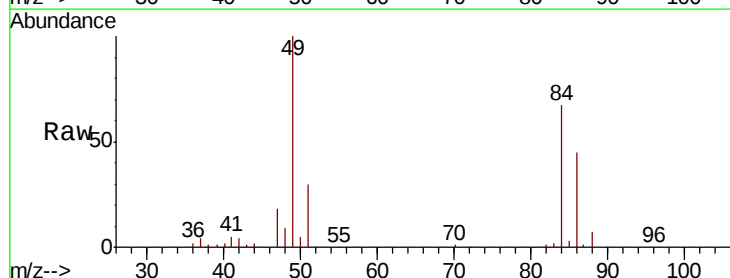
Ion Ratio Lower Upper

84 100

49 149.7 117.8 176.8

51 44.3 35.6 53.4

86 67.1 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

30000

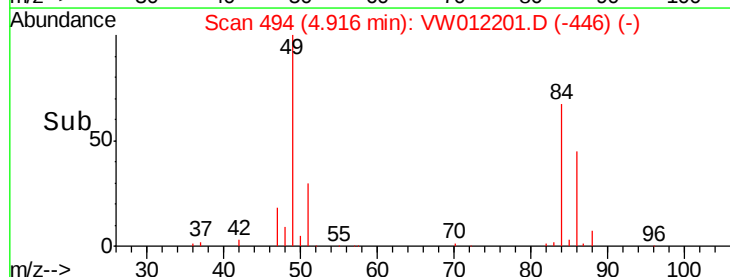
20000

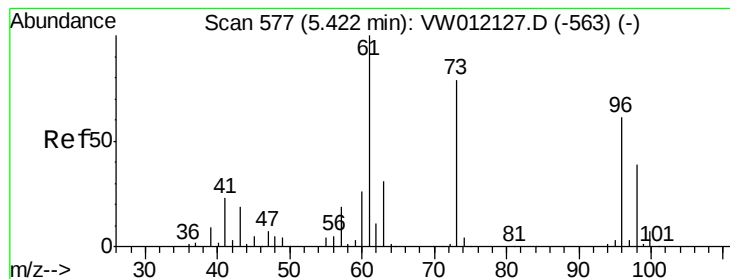
10000

0

Time-->

4.70 4.80 4.90 5.00 5.10





#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

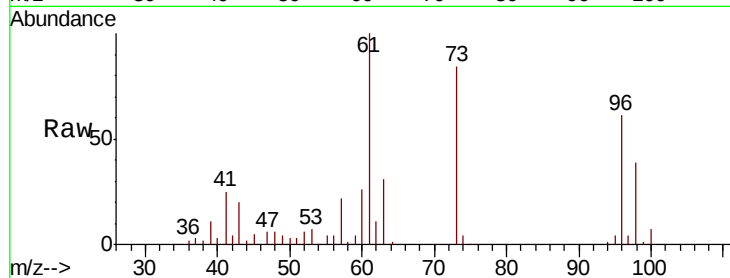
Tgt Ion: 96 Resp: 53978

Ion Ratio Lower Upper

96 100

61 164.7 131.4 197.0

98 64.5 51.4 77.0

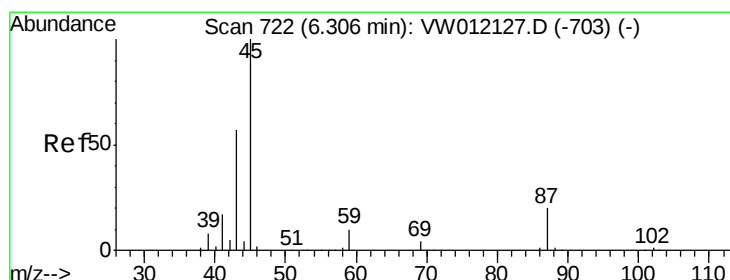
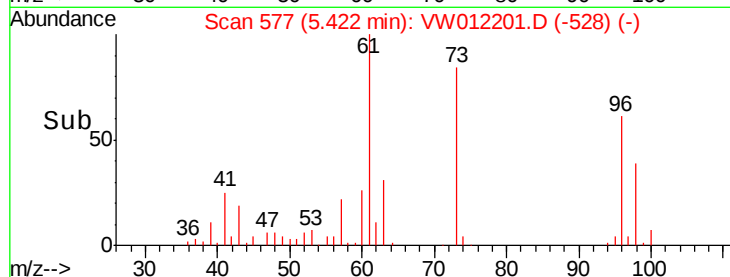
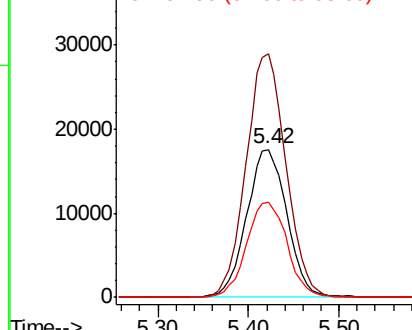


Abundance

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

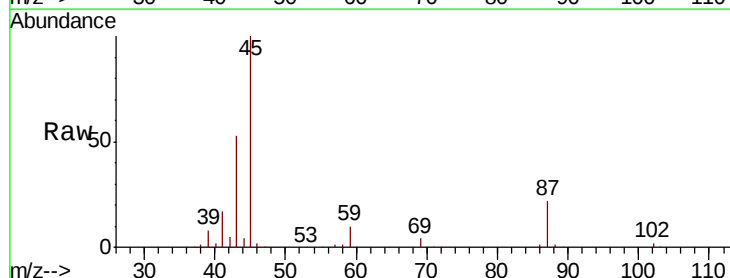
Ion Ratio Lower Upper

45 100

43 52.6 45.5 68.3

87 21.6 16.1 24.1

59 10.3 8.2 12.2



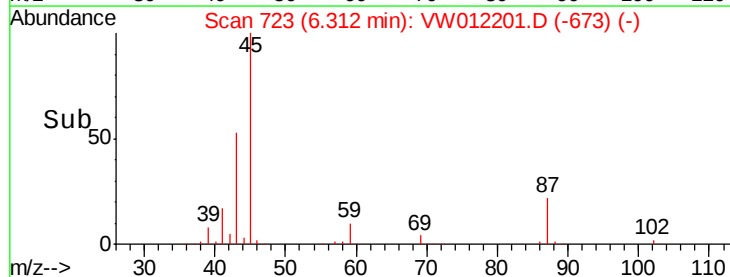
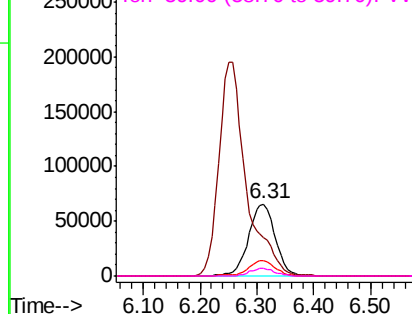
Abundance

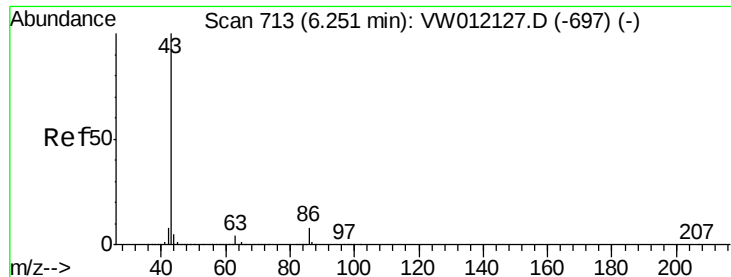
Ion 45.00 (44.70 to 45.70): VW

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 :

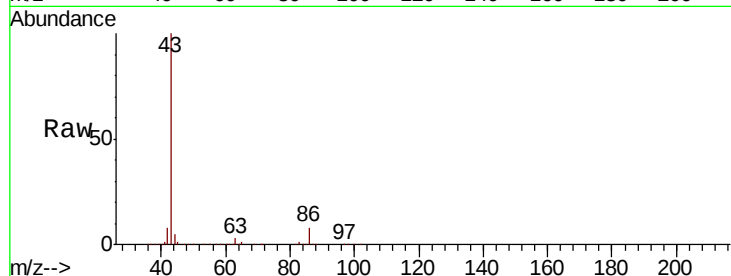
VW0827SBSD01

Tgt 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

6.25

200000

150000

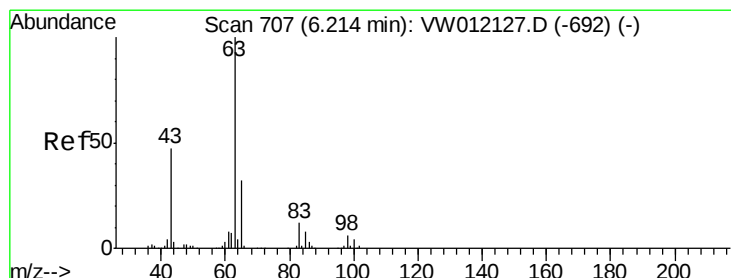
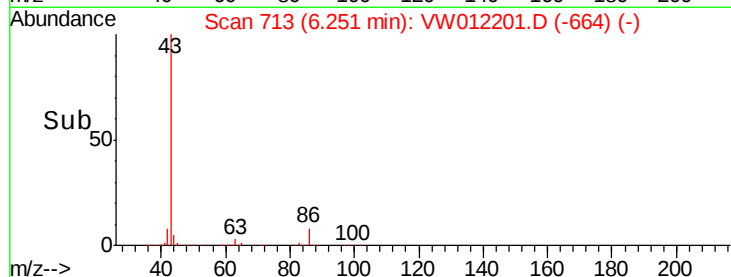
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#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

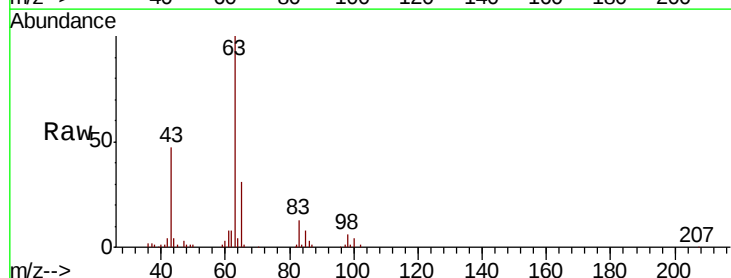
Tgt Ion: 63 Resp: 112411

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

50000

40000

30000

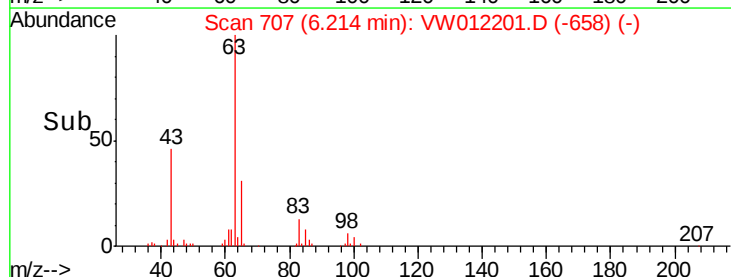
20000

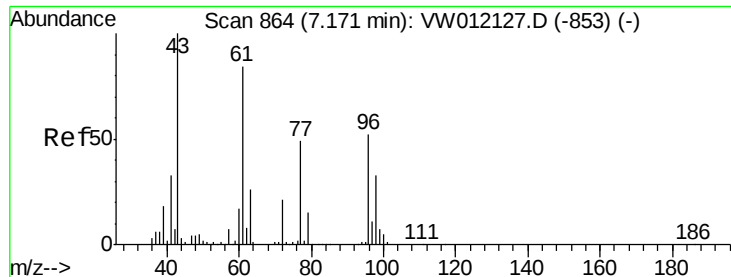
10000

0

6.10 6.20 6.30

Time-->

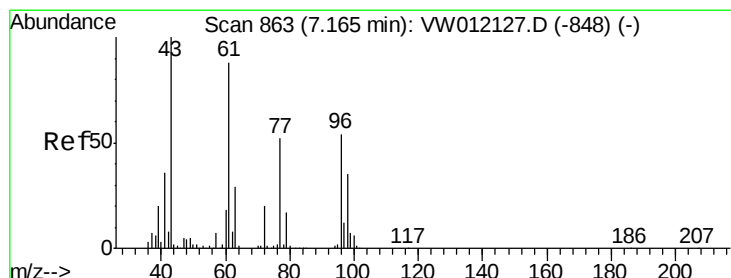
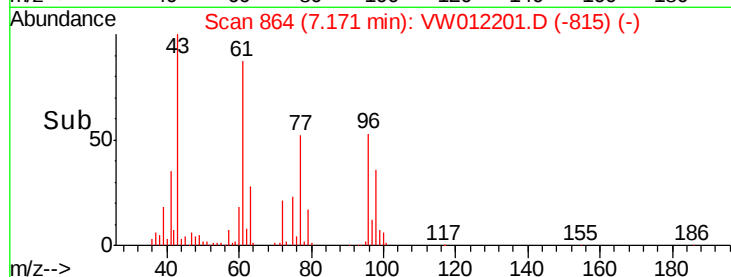
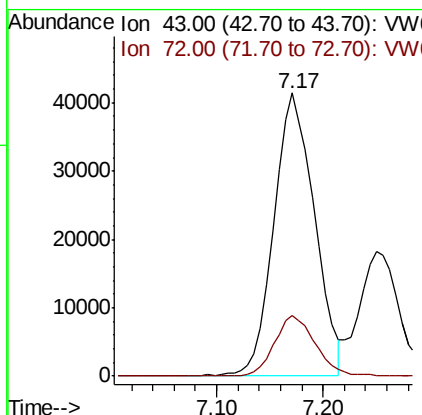
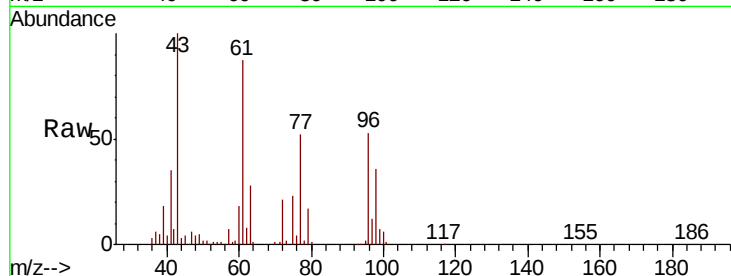




#25
 2-Butanone
 Concen: 95.452 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

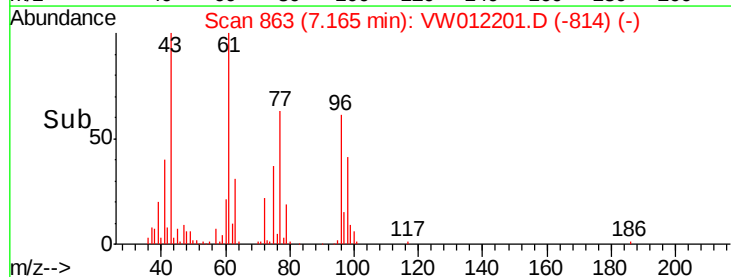
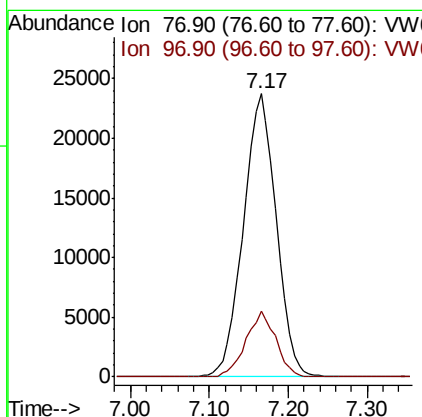
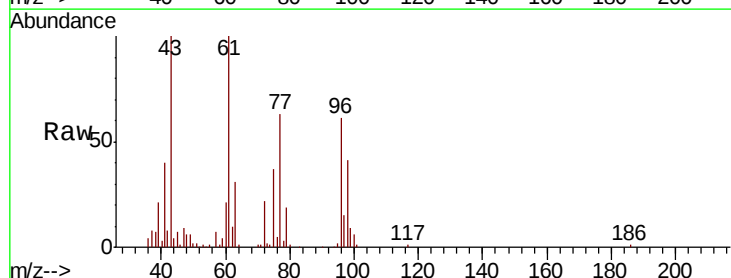
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

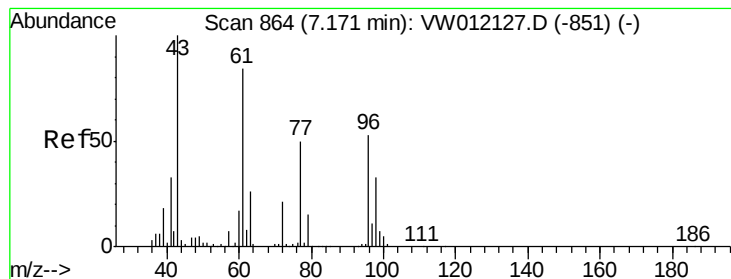
Tgt Ion: 43 Resp: 109194
 Ion Ratio Lower Upper
 43 100
 72 21.3 16.6 24.8



#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



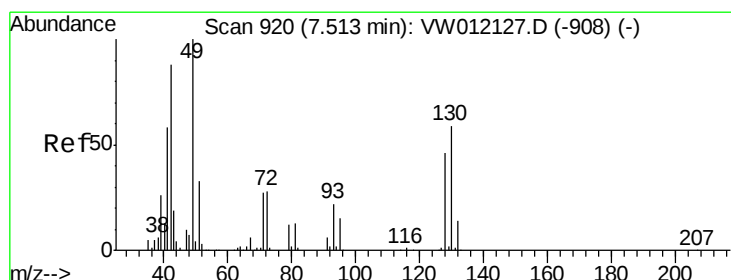
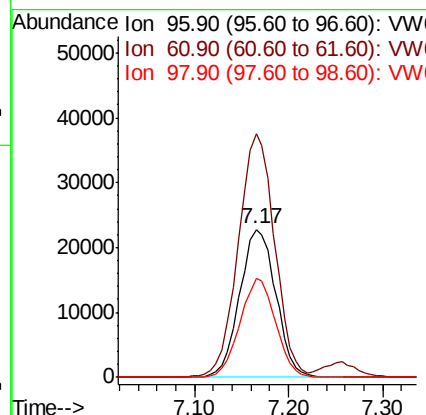
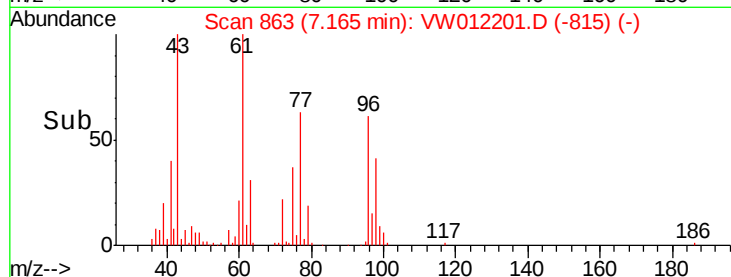
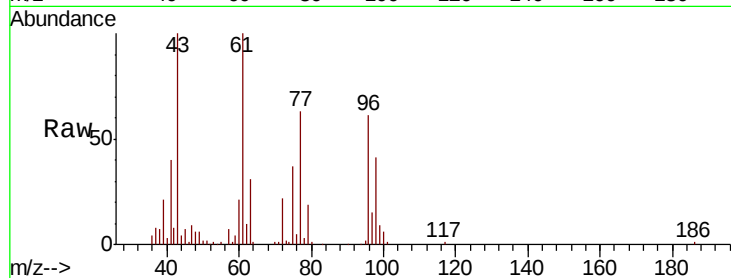


#27

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

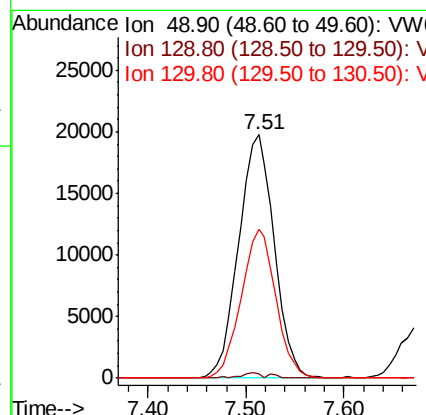
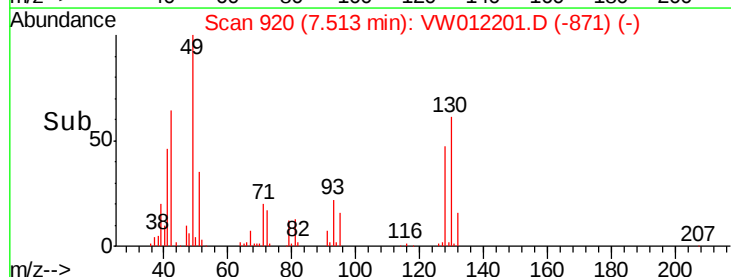
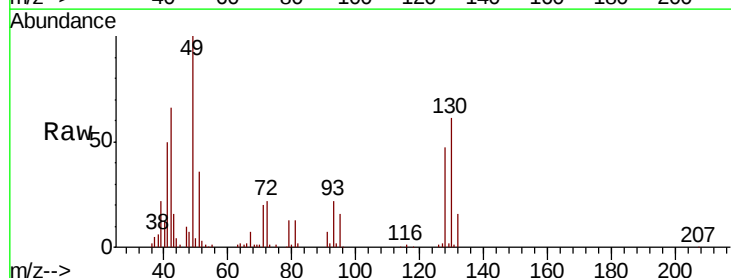
Tgt Ion: 96 Resp: 60789
Ion Ratio Lower Upper
96 100
61 166.0 0.0 326.6
98 65.7 0.0 127.4

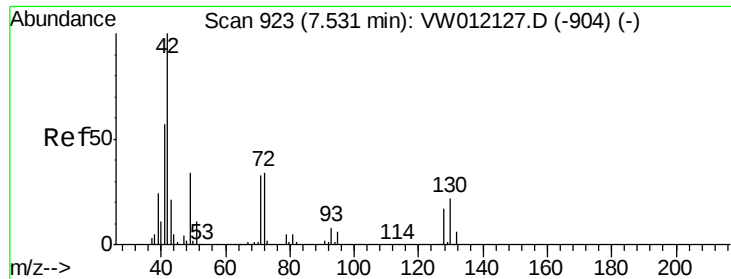


#28

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

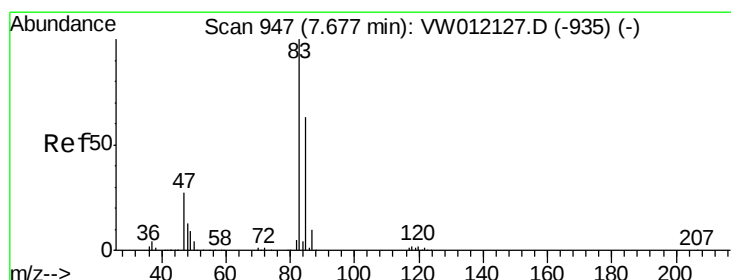
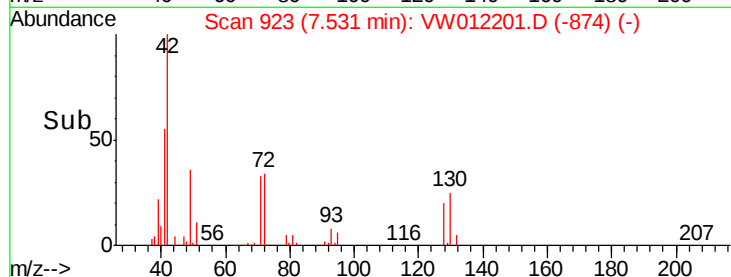
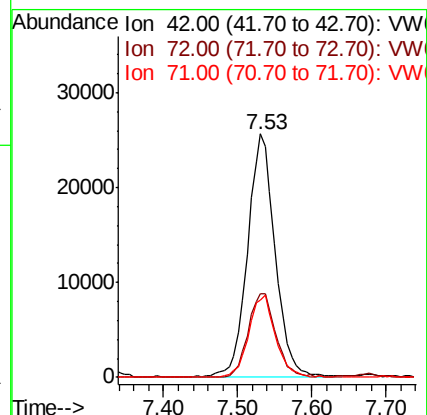
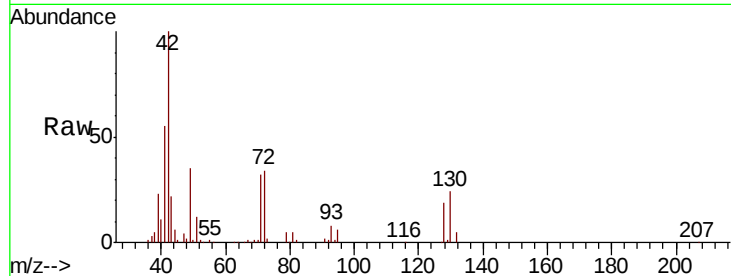




#29
Tetrahydrofuran
Concen: 97.586 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

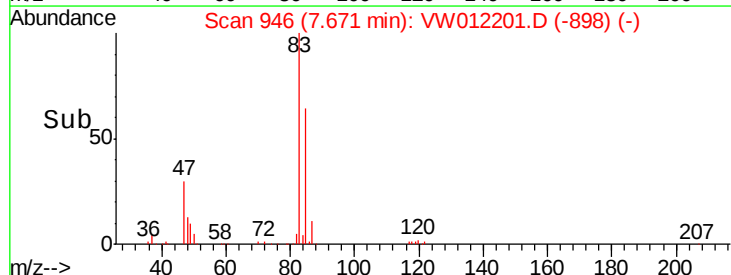
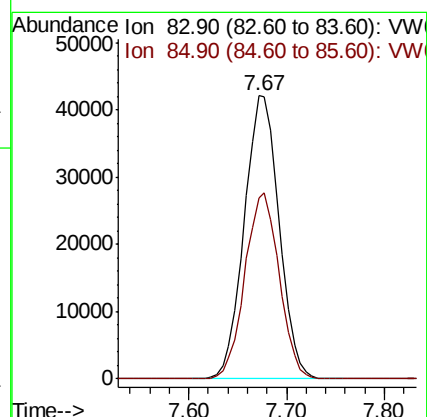
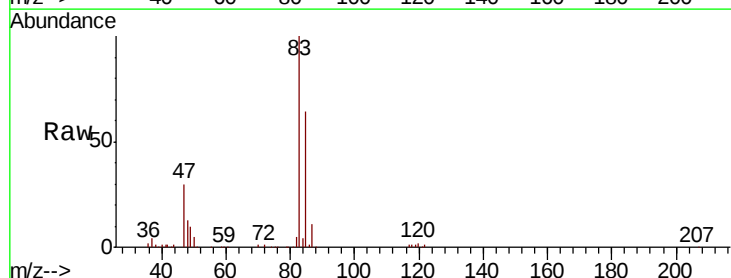
Instrument :
MSVOA_W
ClientSampled :
VW0827SBSD01

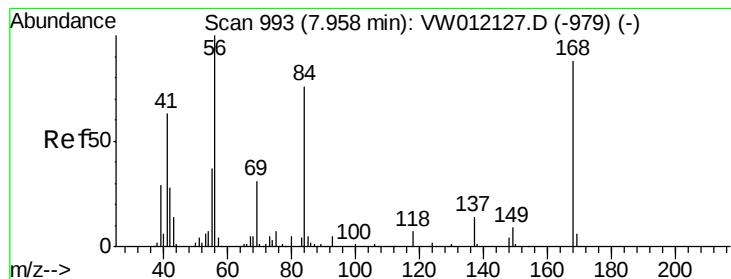
Tgt Ion: 42 Resp: 66976
Ion Ratio Lower Upper
42 100
72 34.7 27.3 40.9
71 32.4 25.5 38.3



#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





#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

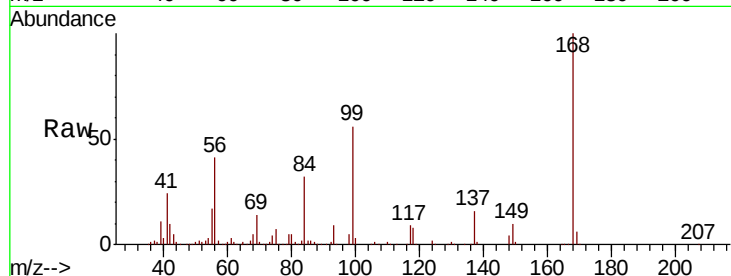
Tgt Ion: 56 Resp: 105621

Ion Ratio Lower Upper

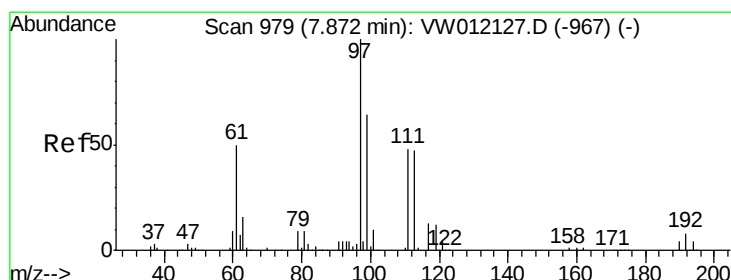
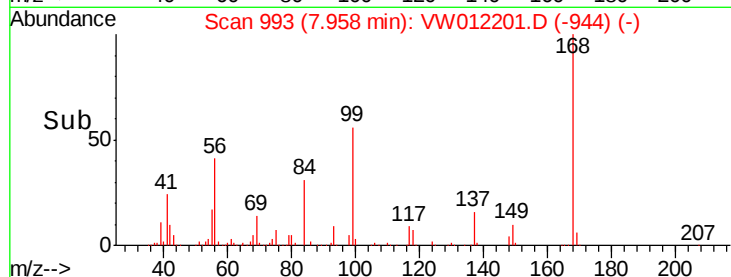
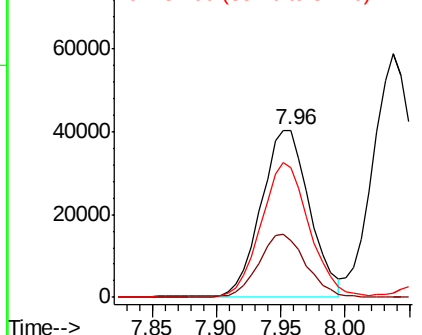
56 100

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

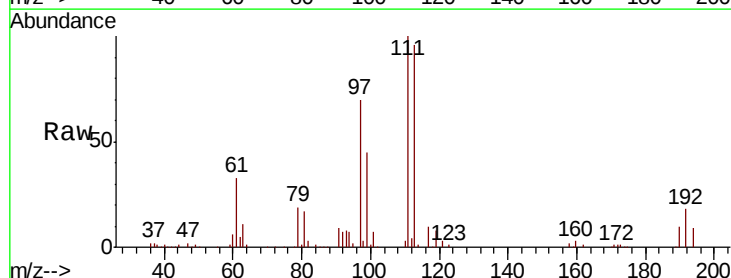
Tgt Ion: 97 Resp: 81494

Ion Ratio Lower Upper

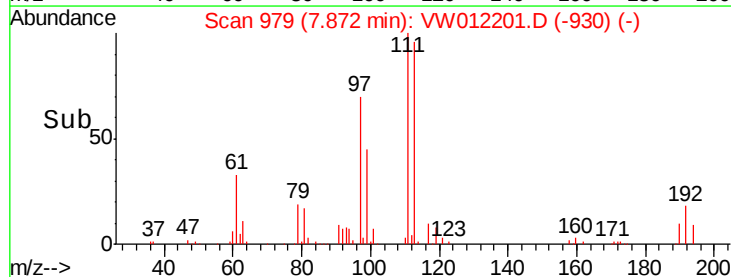
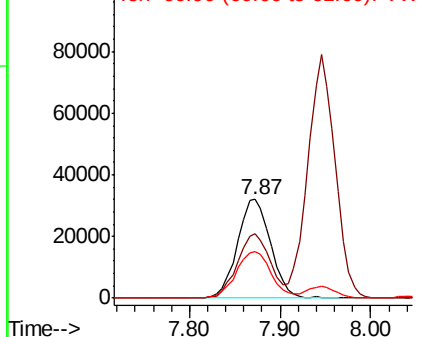
97 100

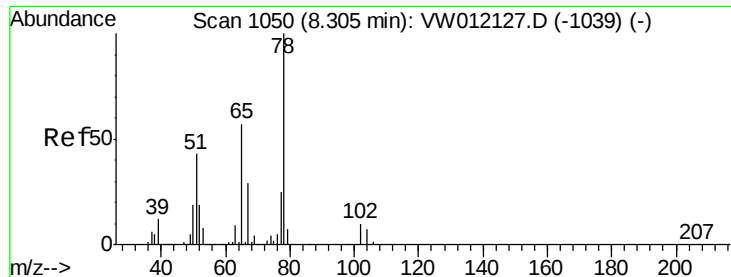
99 63.5 51.4 77.0

61 48.9 39.5 59.3



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

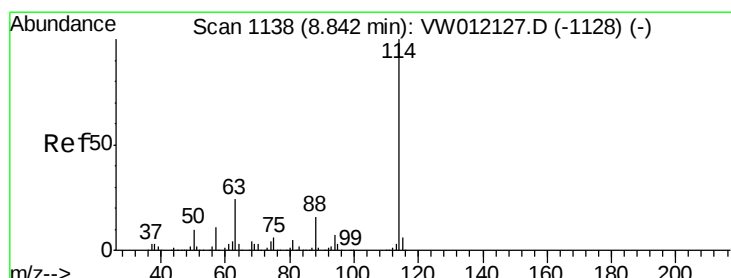
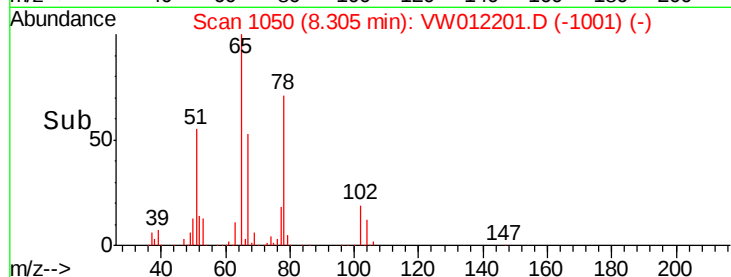
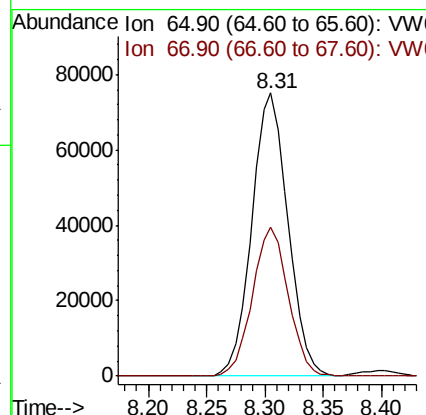
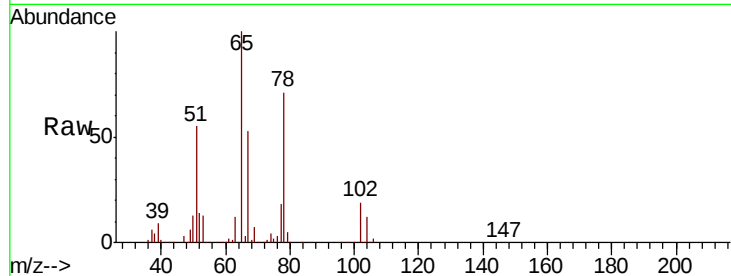




#33
 1,2-Dichloroethane-d4
 Concen: 49.104 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

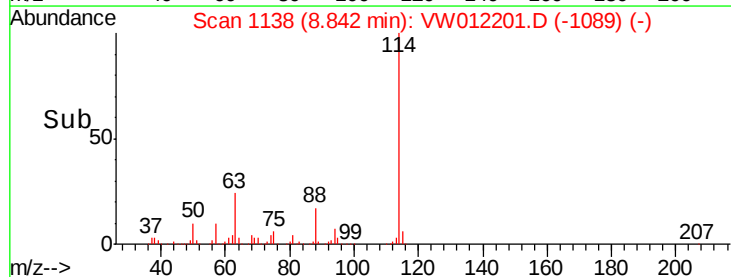
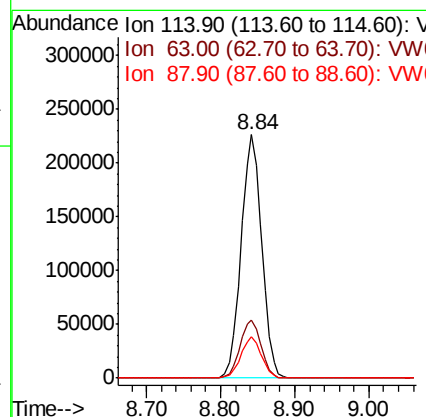
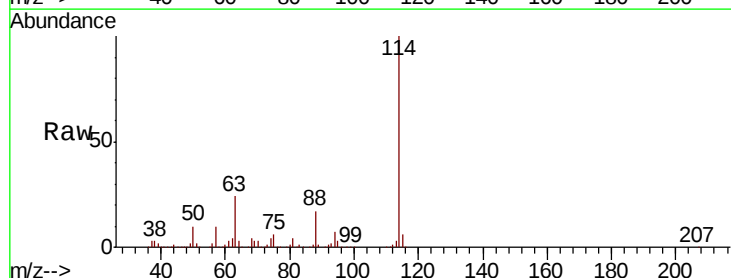
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

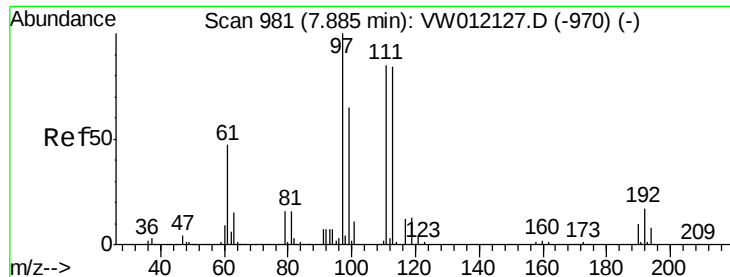
Tgt Ion: 65 Resp: 161716
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.6



#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

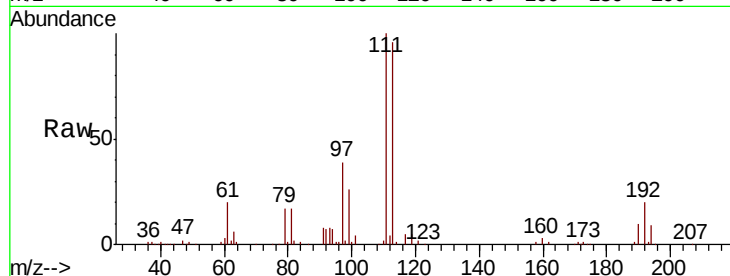
Tgt Ion:113 Resp: 130690

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

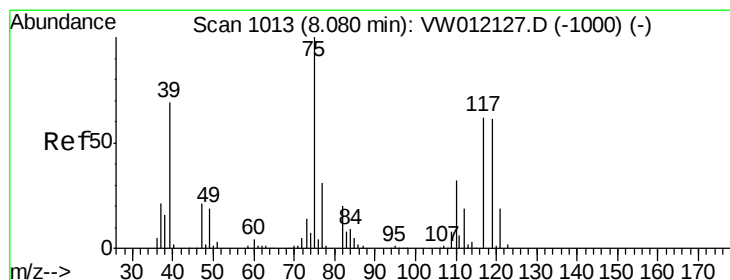
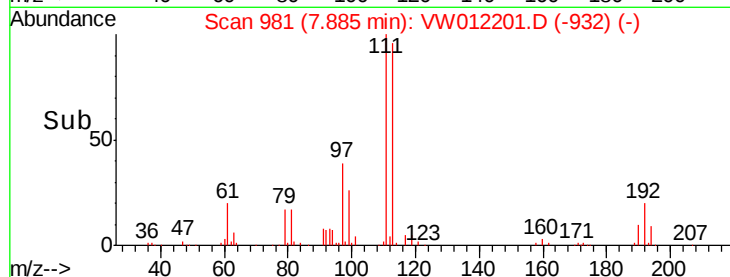
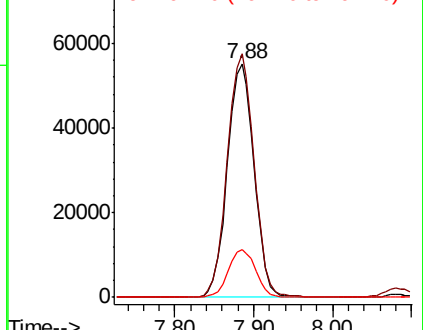
192 20.8 16.2 24.2



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

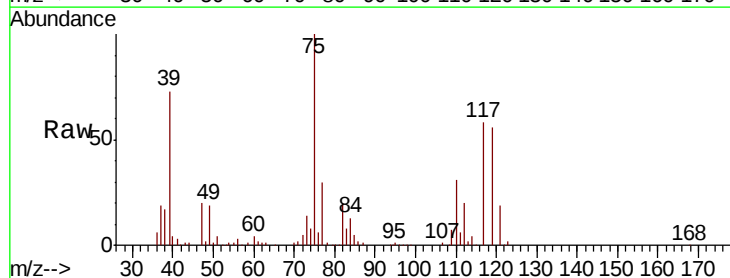
Tgt Ion: 75 Resp: 85264

Ion Ratio Lower Upper

75 100

110 30.9 15.6 46.8

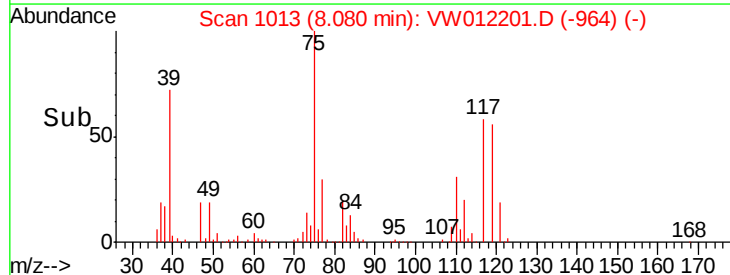
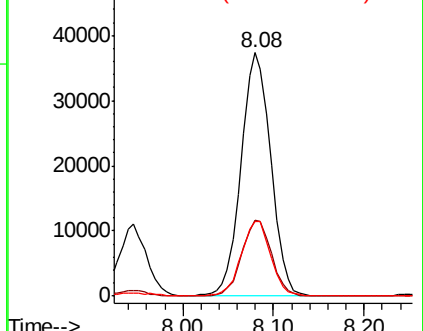
77 30.5 24.6 36.8

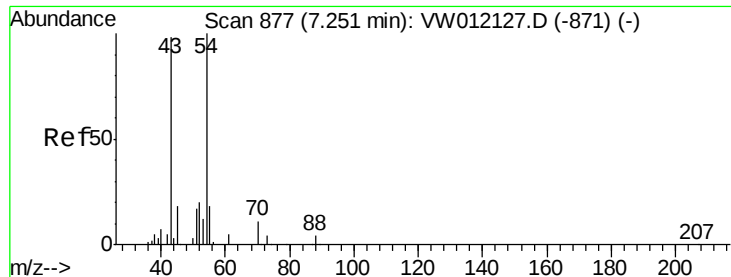


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

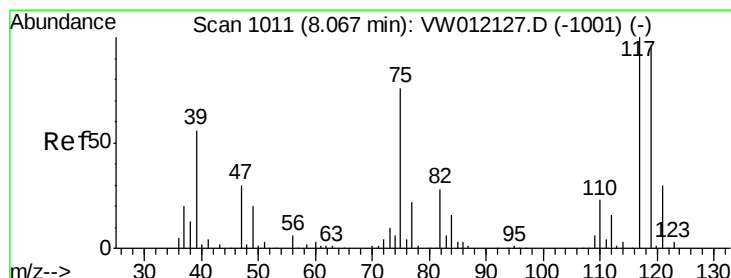
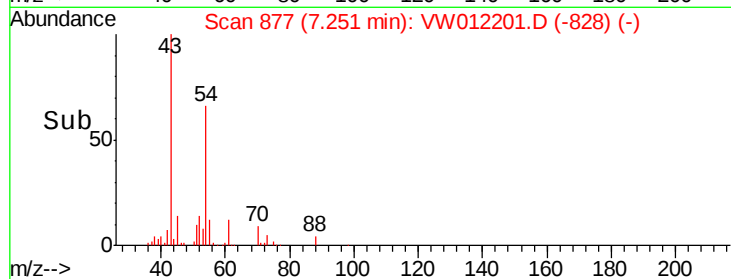
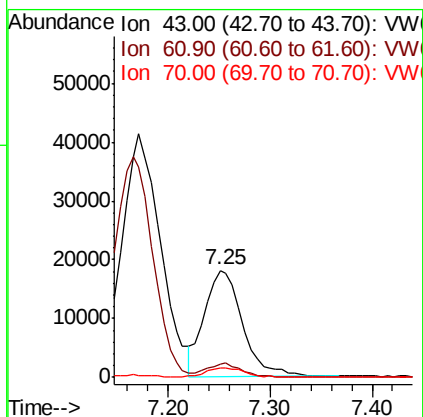
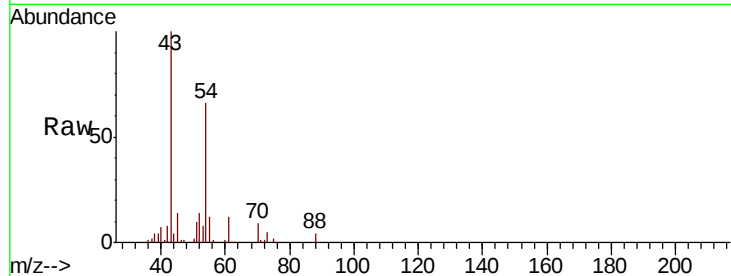




#37
Ethyl Acetate
Concen: 18.900 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

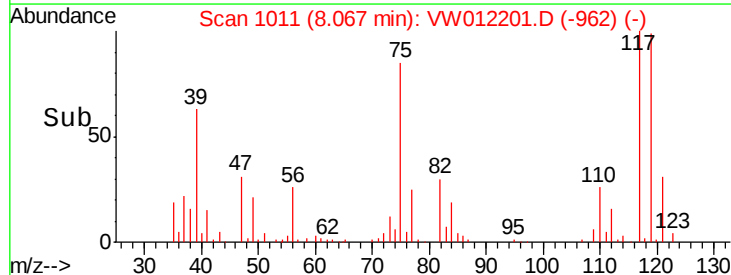
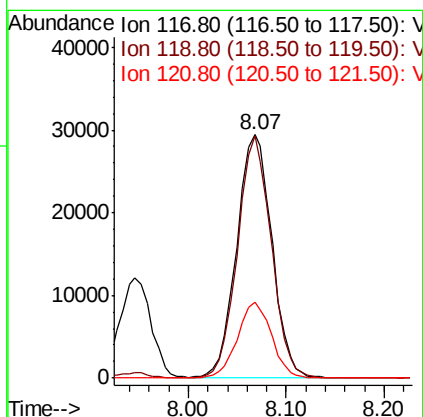
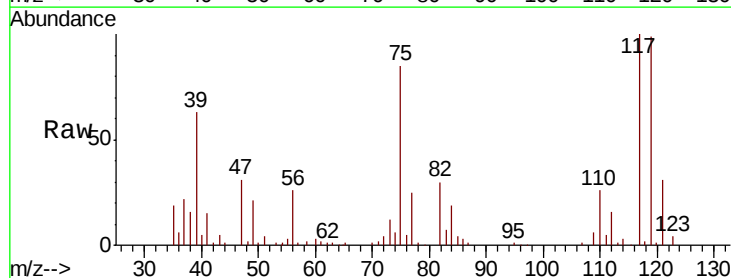
Instrument :
MSVOA_W
ClientSampled :
VW0827SBSD01

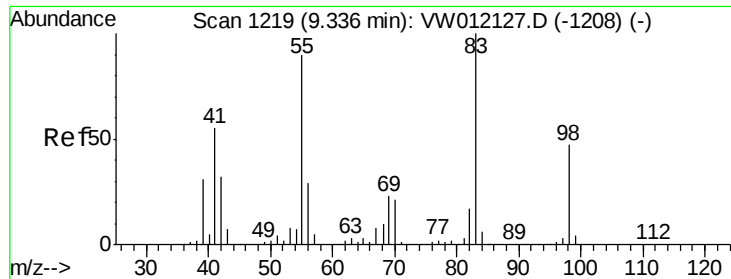
Tgt Ion: 43 Resp: 46960
Ion Ratio Lower Upper
43 100
61 12.9 9.2 13.8
70 9.0 6.9 10.3



#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

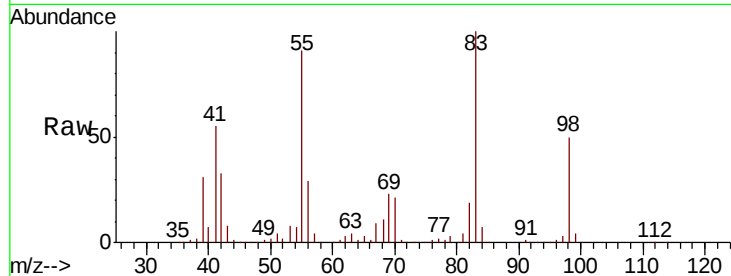




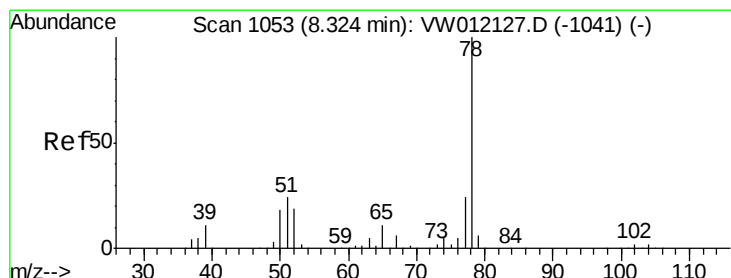
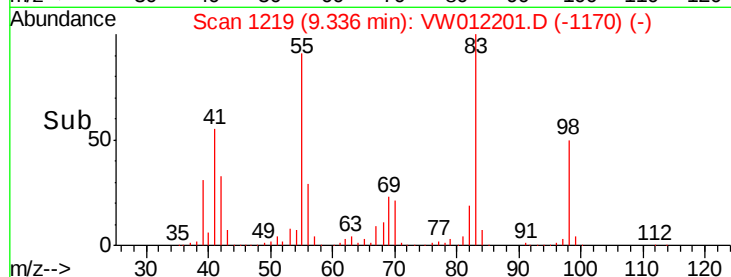
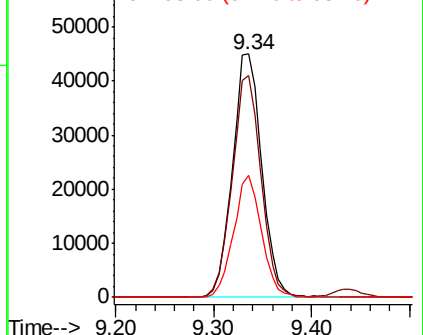
#39
Methylcyclohexane
Concen: 18.446 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

Tgt Ion: 83 Resp: 93959
Ion Ratio Lower Upper
83 100
55 91.2 71.8 107.8
98 50.4 37.8 56.8

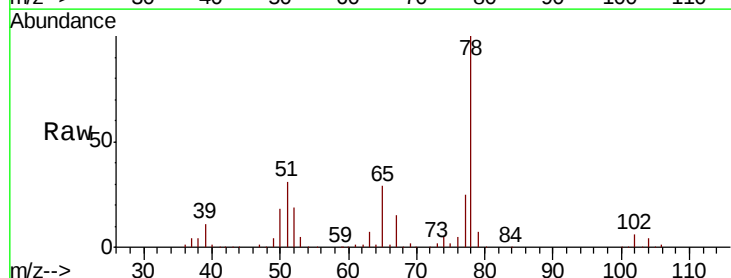


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

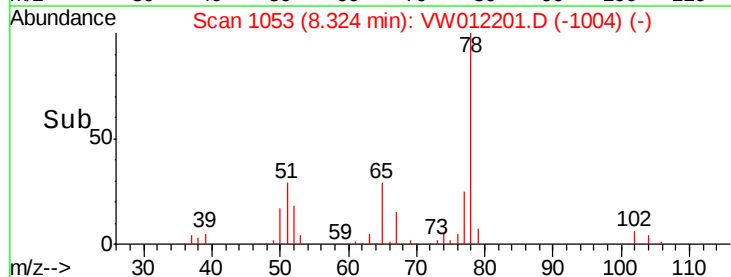
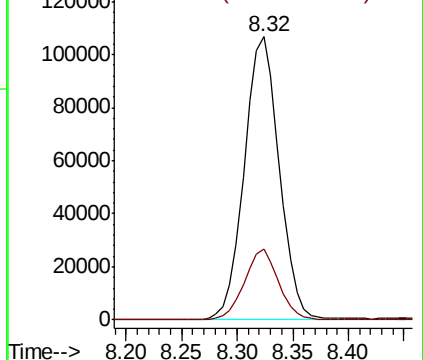


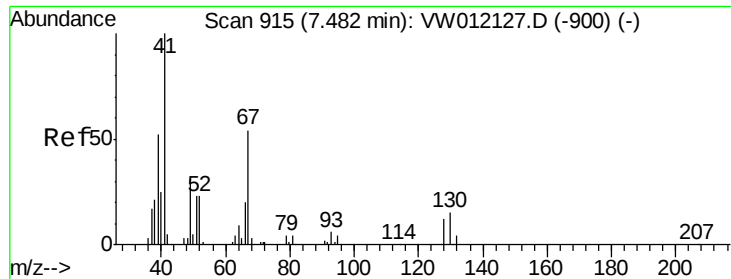
#40
Benzene
Concen: 18.846 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

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

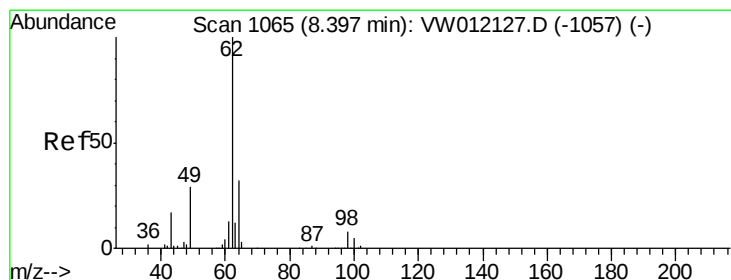
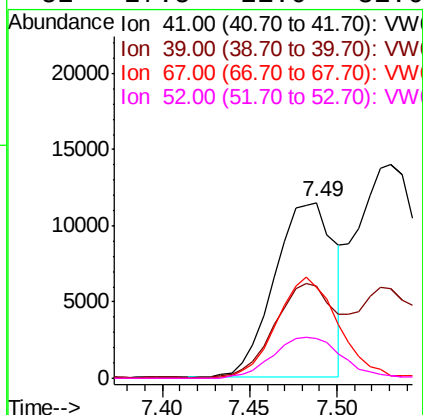
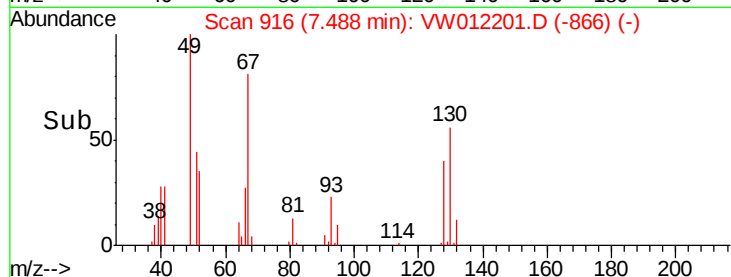
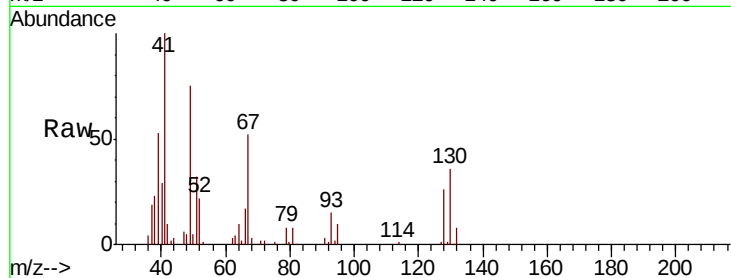




#41
Methacrylonitrile
Concen: 18.795 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

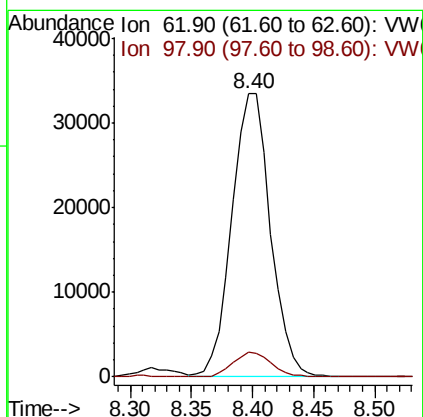
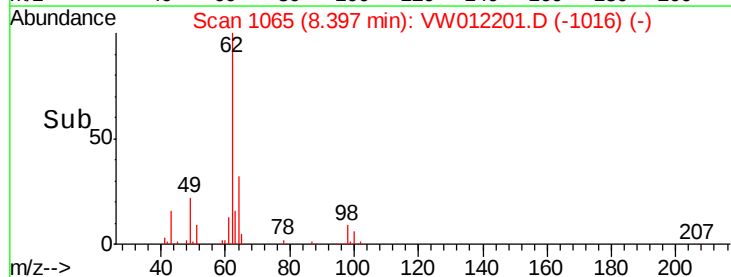
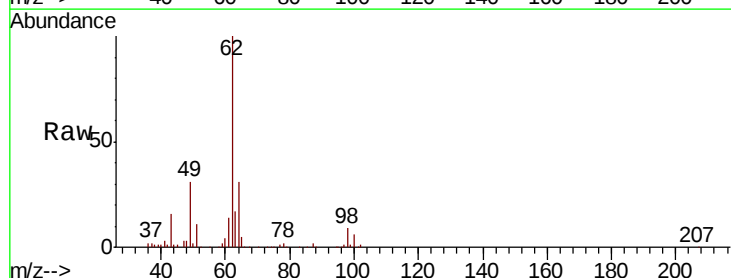
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

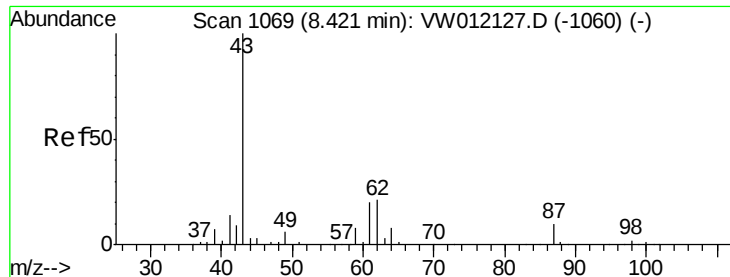
Tgt Ion:	41	Resp:	27446
Ion	Ratio	Lower	Upper
41	100		
39	53.2	45.8	68.8
67	59.7	46.2	69.4
52	27.5	21.0	31.6



#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 :

VW0827SBSD01

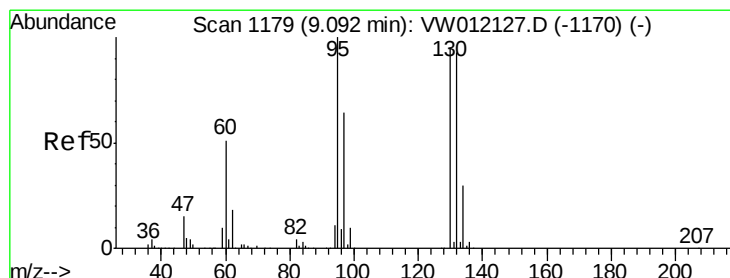
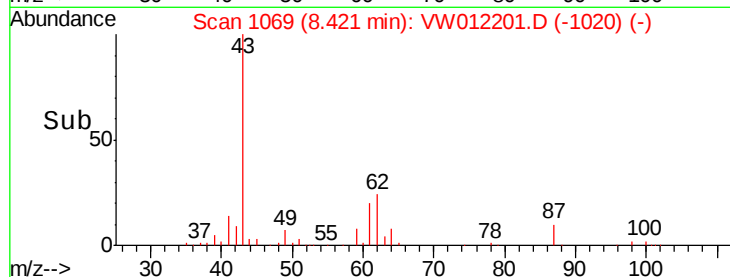
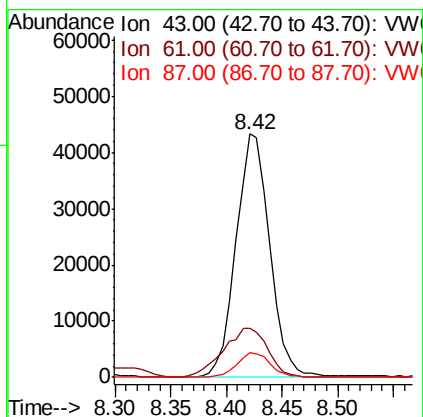
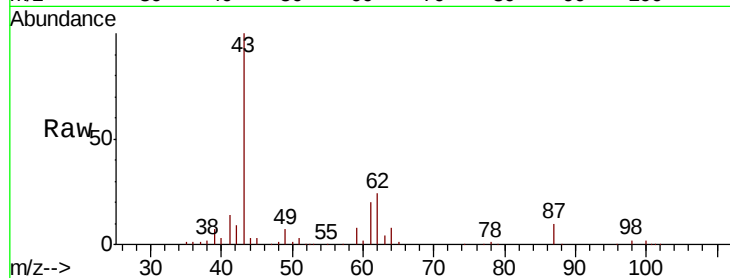
Tgt Ion: 43 Resp: 90837

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

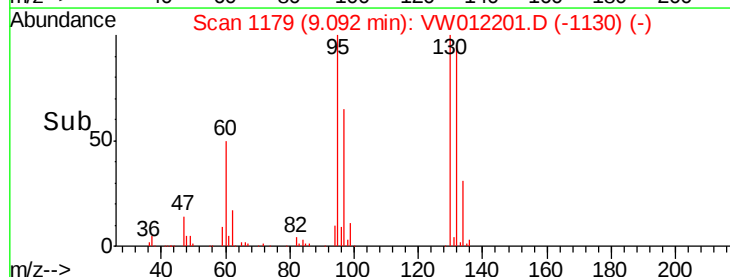
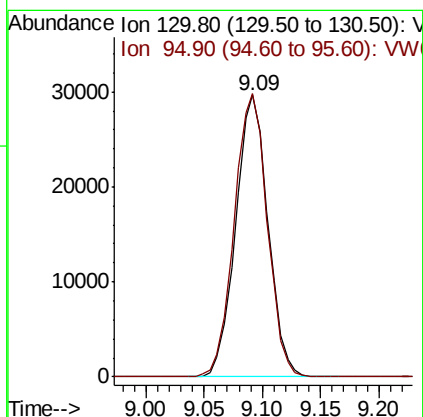
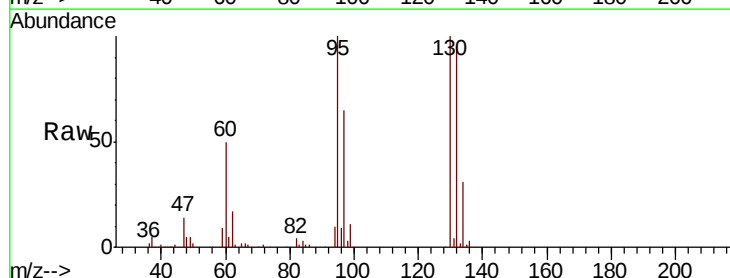
Acq: 27 Aug 2019 10:13

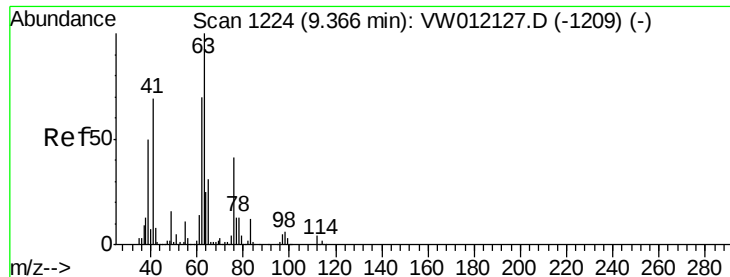
Tgt Ion: 130 Resp: 57405

Ion Ratio Lower Upper

130 100

95 100.5 0.0 210.6

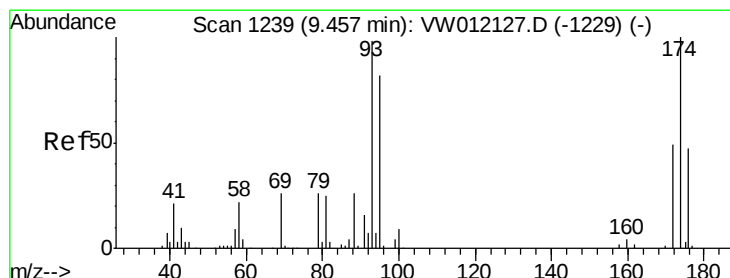
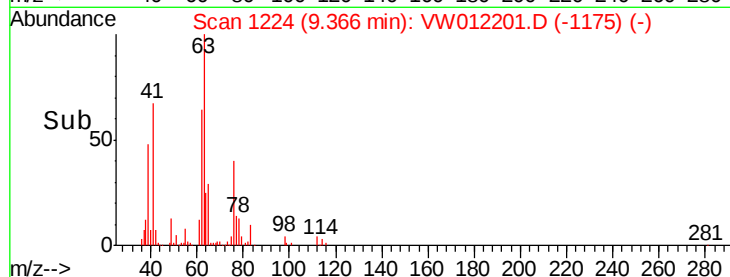
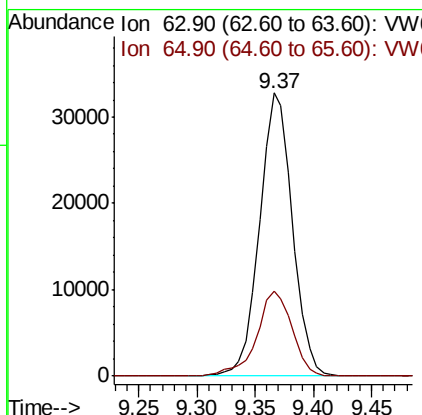
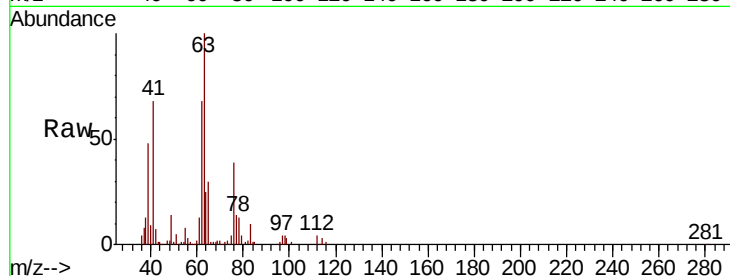




#45
 1,2-Dichloropropane
 Concen: 19.312 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

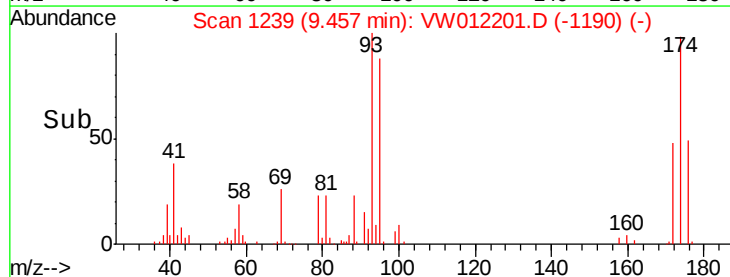
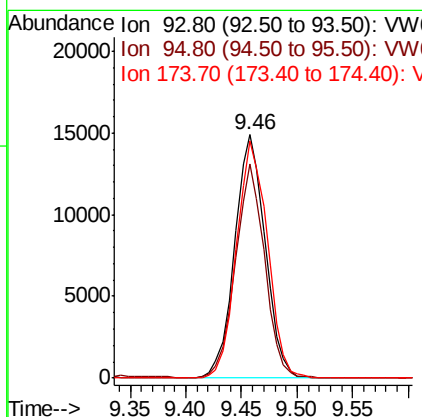
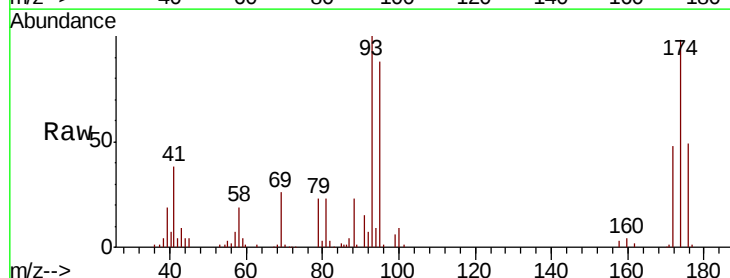
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

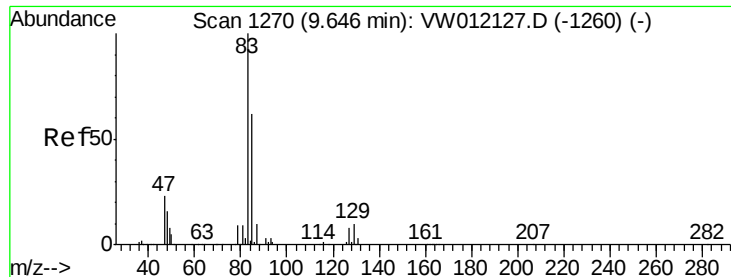
Tgt Ion: 63 Resp: 64350
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4



#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

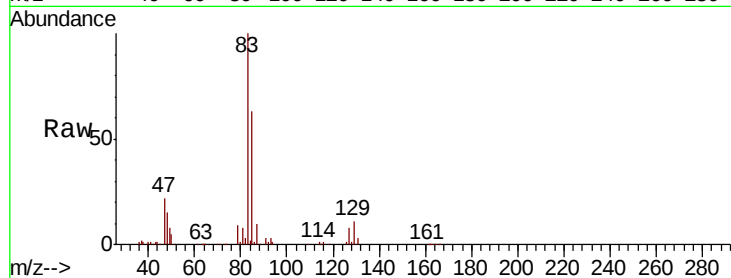
Tgt Ion: 83 Resp: 74675

Ion Ratio Lower Upper

83 100

85 63.1 49.4 74.2

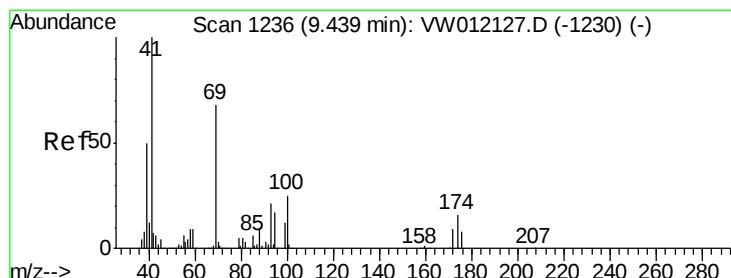
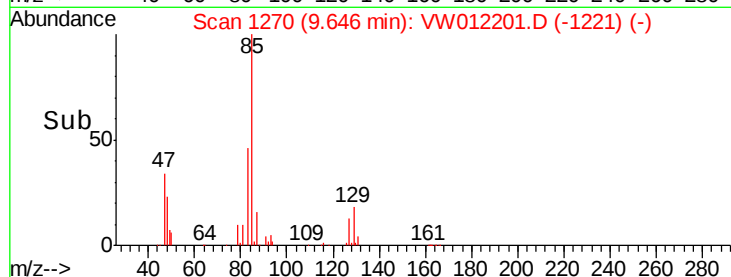
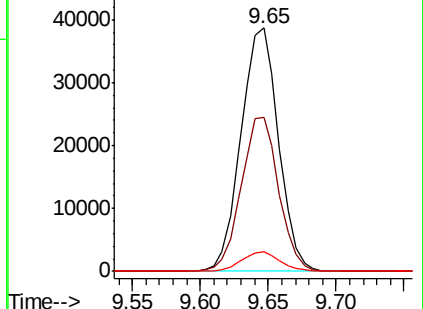
127 7.9 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 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

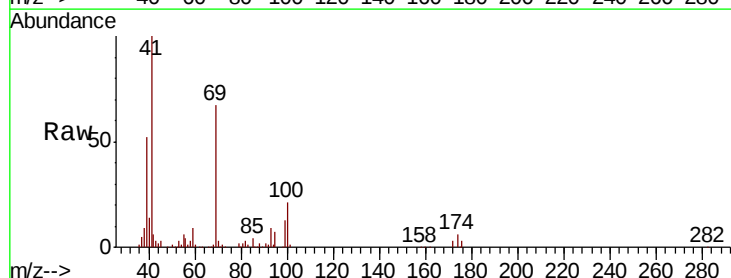
Tgt Ion: 41 Resp: 42154

Ion Ratio Lower Upper

41 100

69 75.0 56.7 85.1

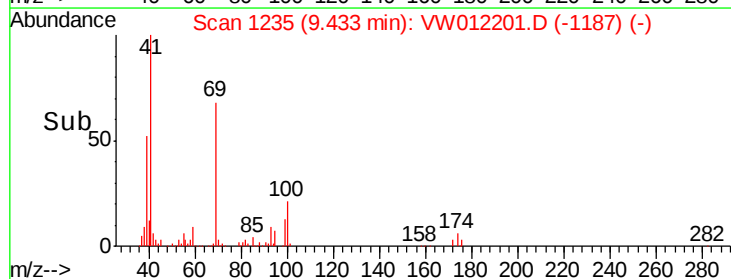
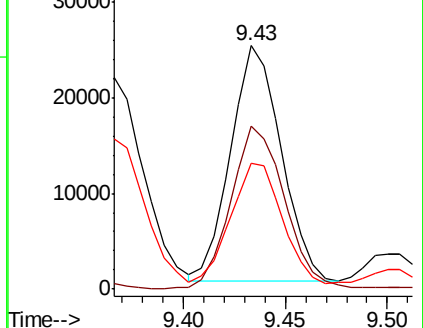
39 57.1 42.0 63.0

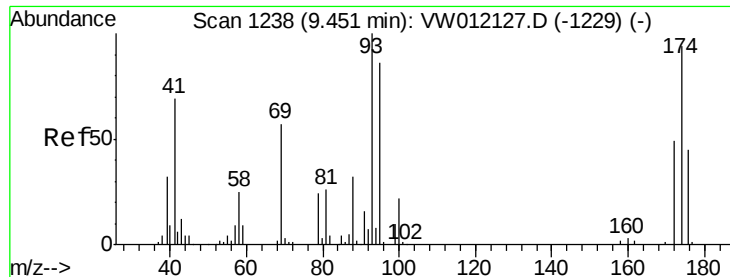


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 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

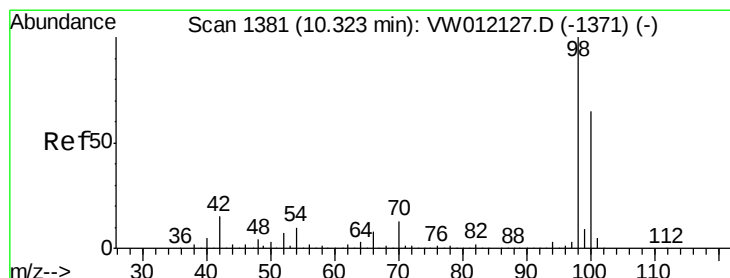
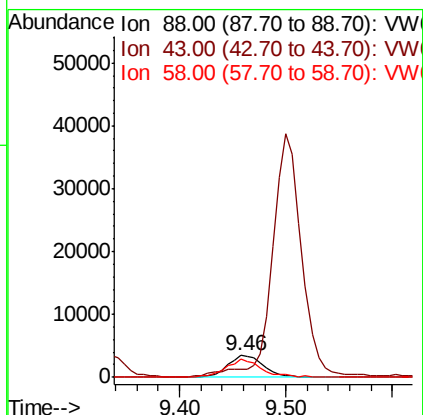
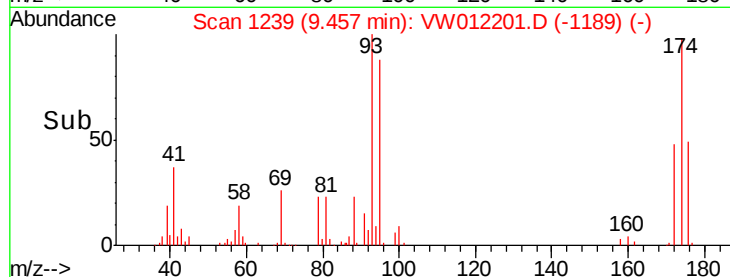
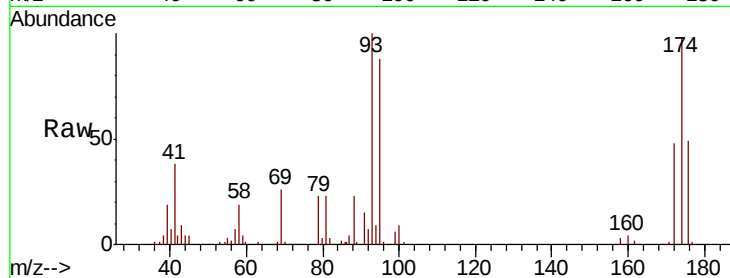
Tgt Ion: 88 Resp: 8231

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

58 86.0 71.0 106.4



#50

Toluene-d8

Concen: 50.896 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012201.D

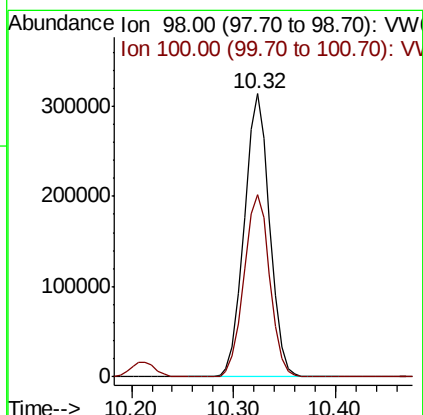
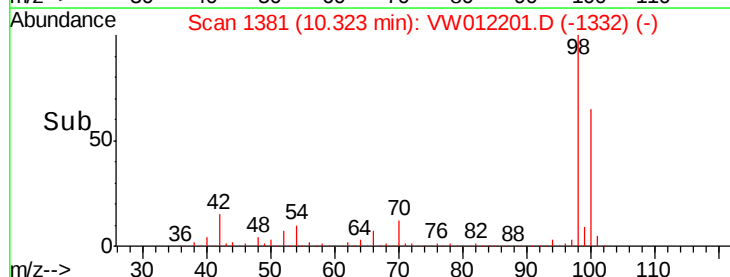
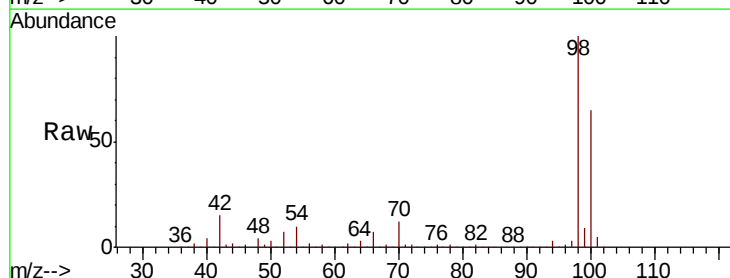
Acq: 27 Aug 2019 10:13

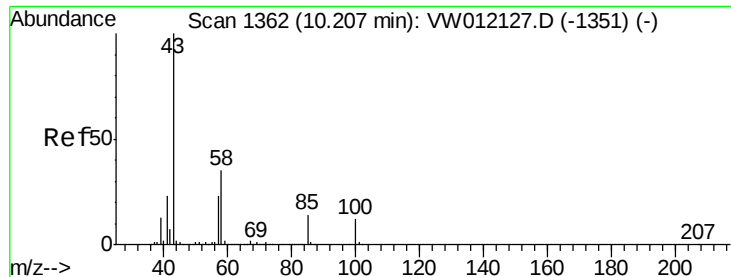
Tgt Ion: 98 Resp: 540482

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6

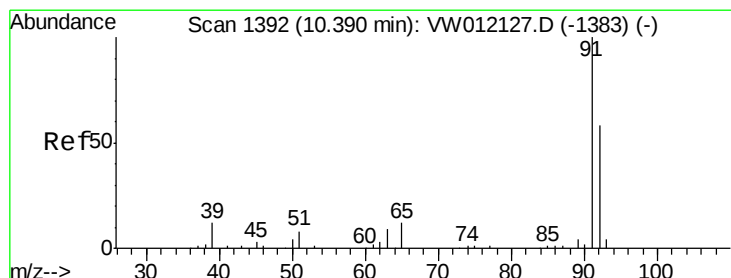
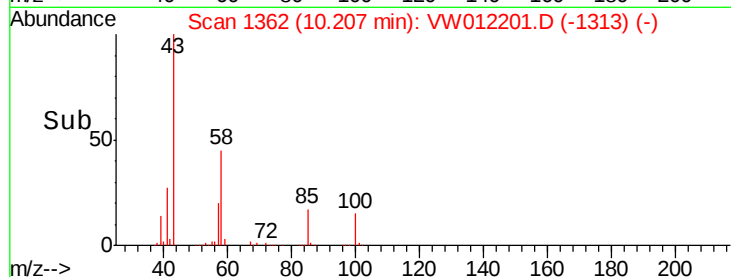
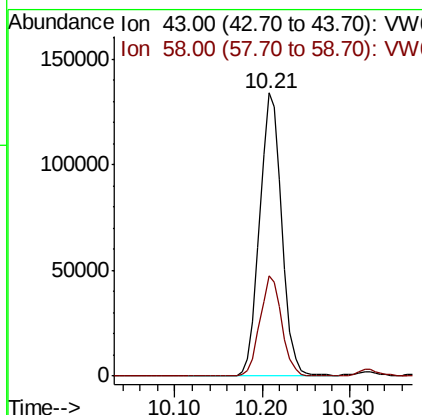
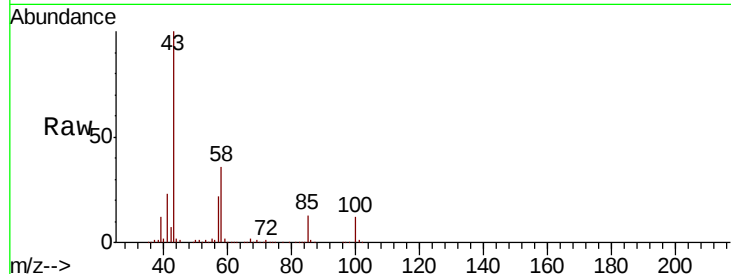




#51
 4-Methyl-2-Pentanone
 Concen: 100.387 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

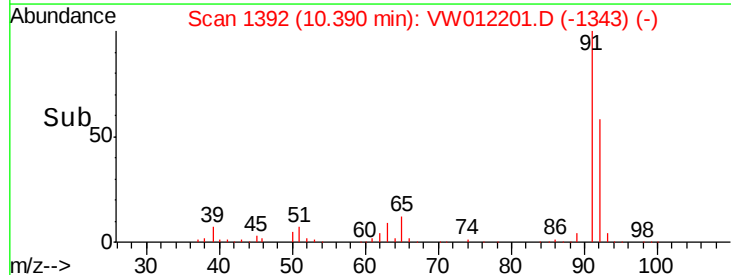
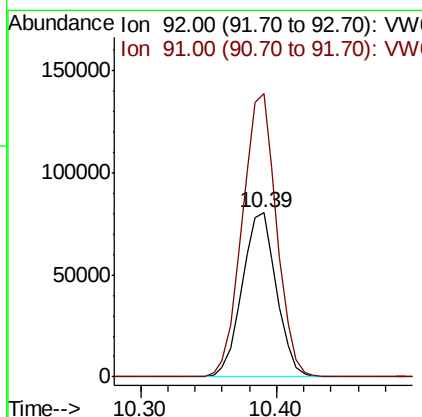
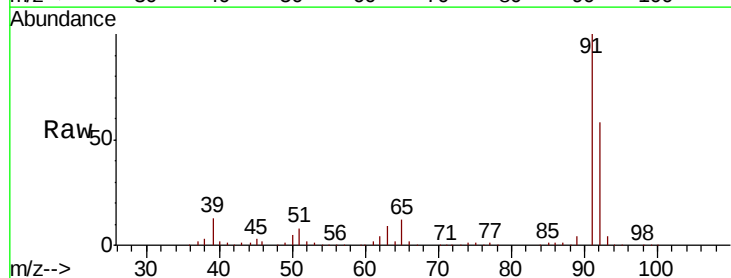
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

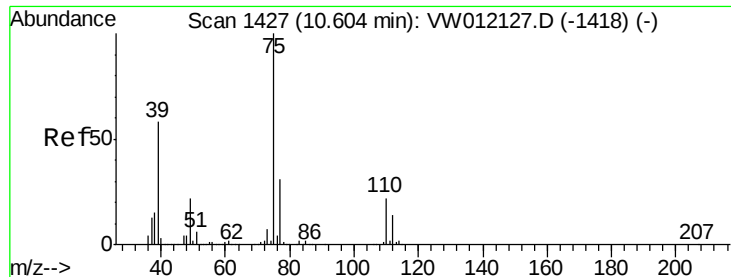
Tgt Ion: 43 Resp: 234995
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.2 42.2



#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 :

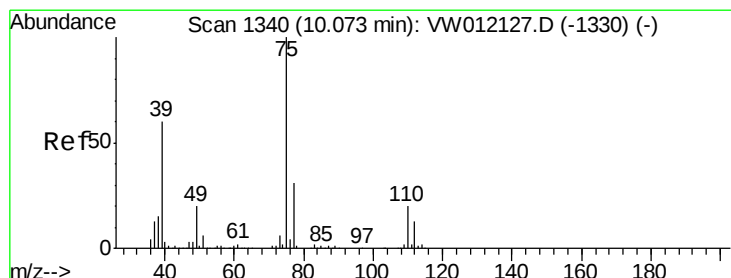
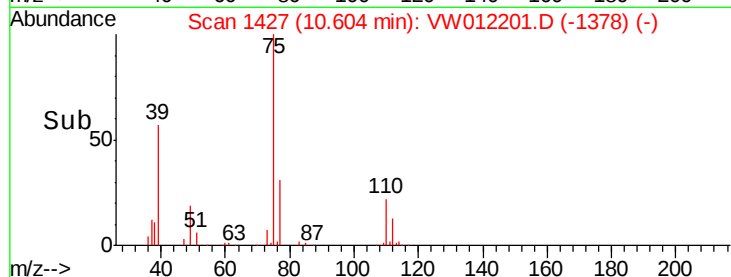
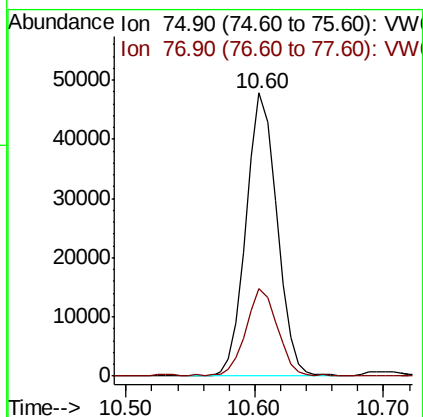
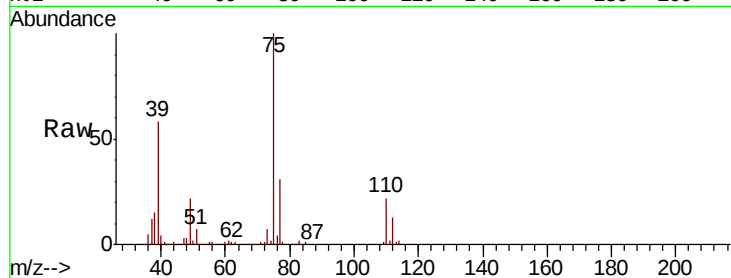
VW0827SBSD01

Tgt 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

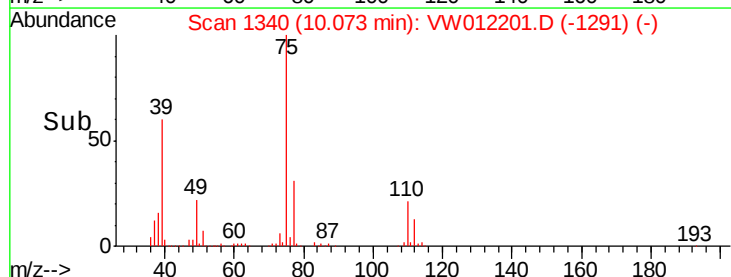
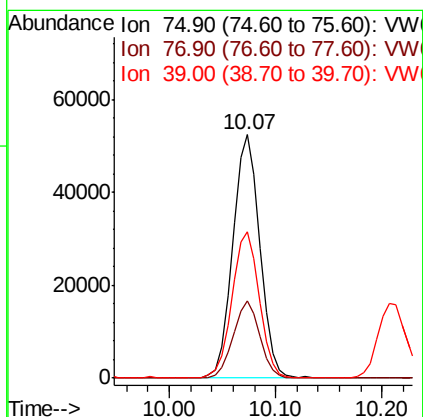
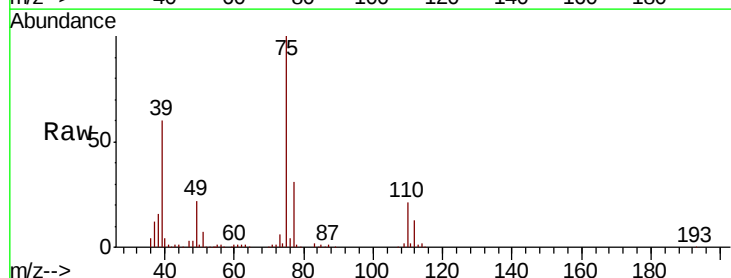
Tgt Ion: 75 Resp: 93386

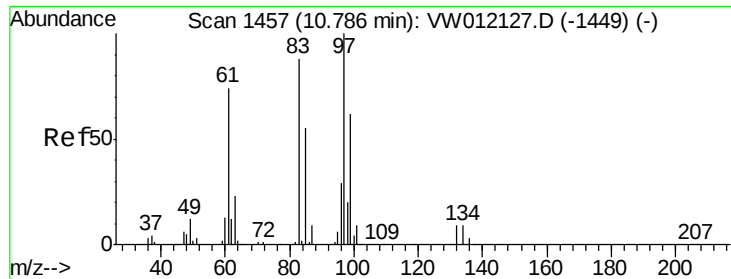
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 60.1 48.3 72.5

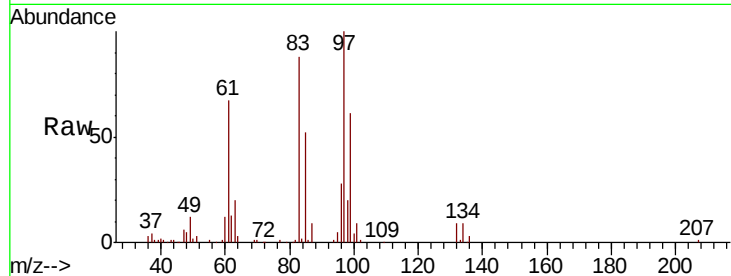




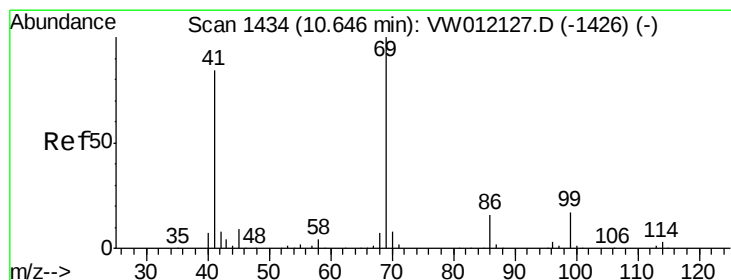
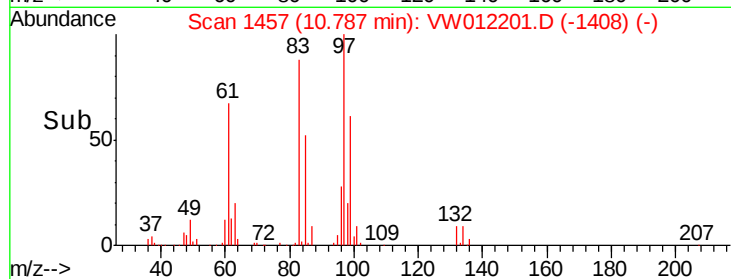
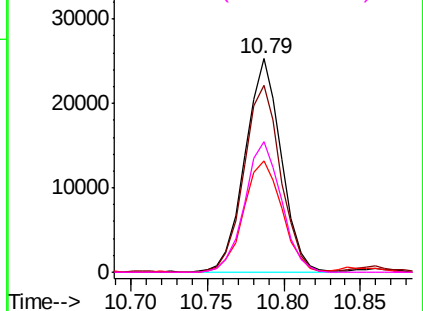
#55
 1,1,2-Trichloroethane
 Concen: 19.831 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

Tgt 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

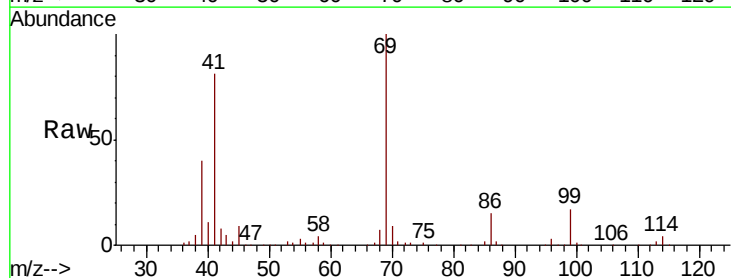


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

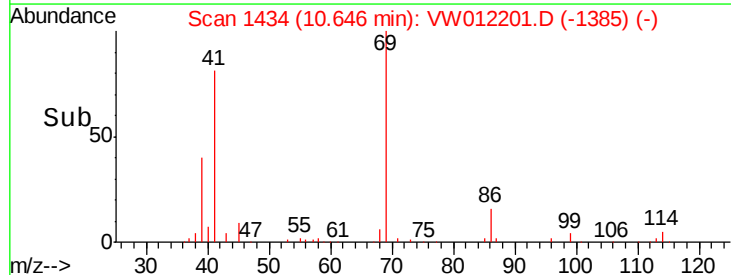
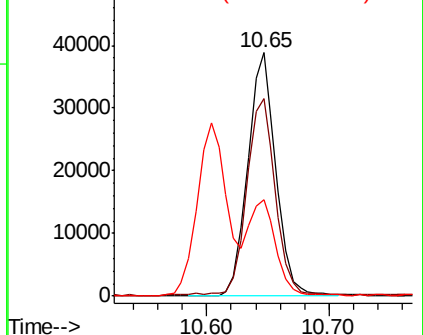


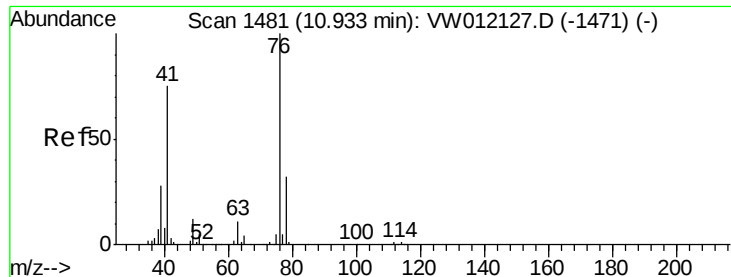
#56
 Ethyl methacrylate
 Concen: 20.283 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

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



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 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 :

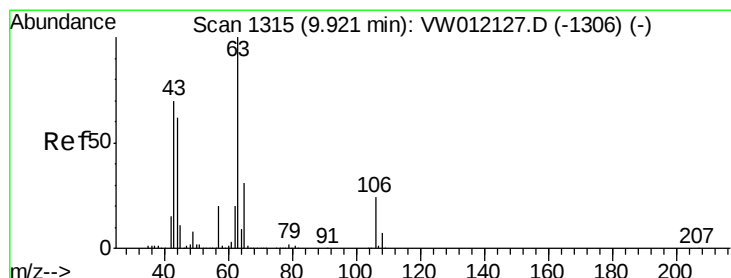
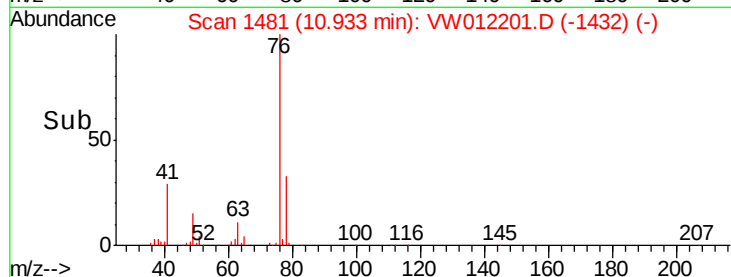
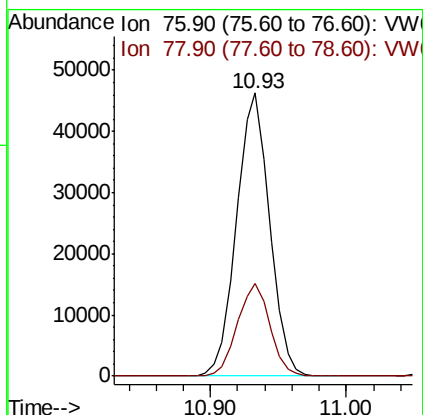
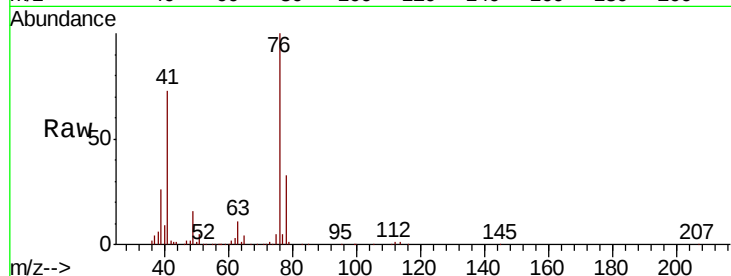
VW0827SBSD01

Tgt 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

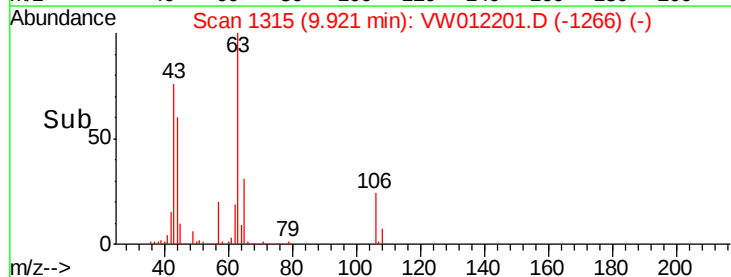
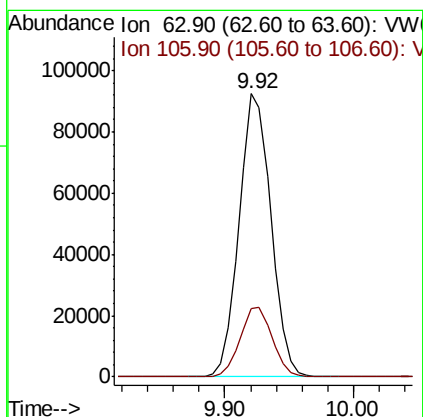
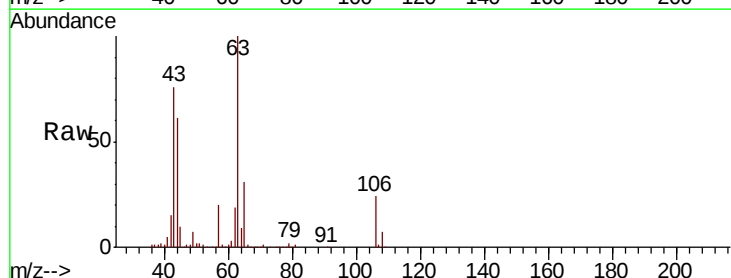
Acq: 27 Aug 2019 10:13

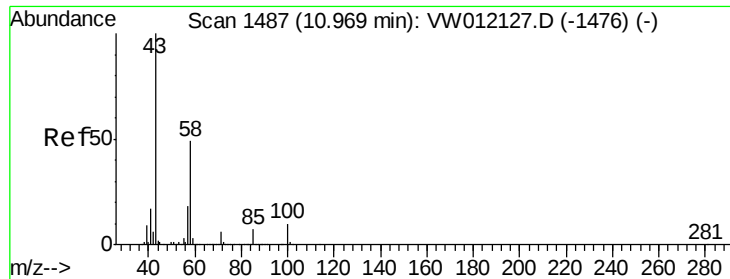
Tgt Ion: 63 Resp: 158455

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.8

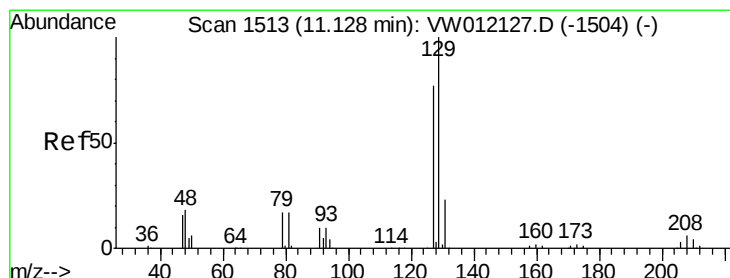
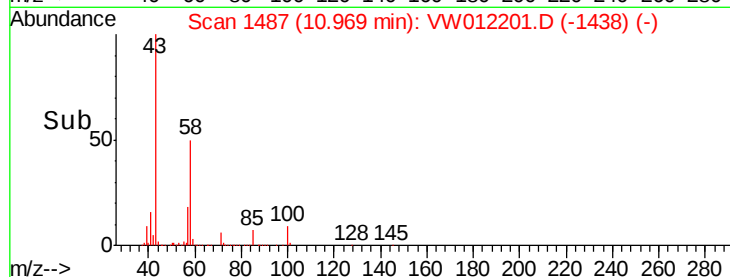
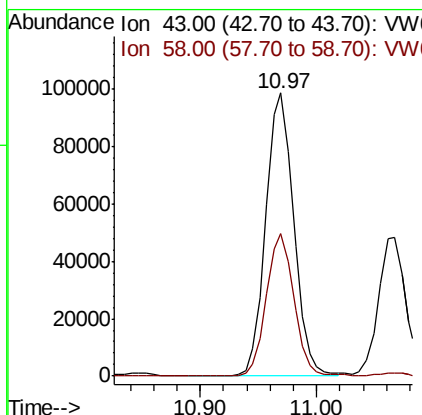
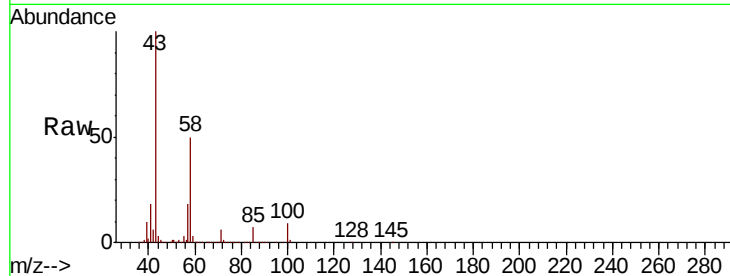




#59
2-Hexanone
Concen: 99.079 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

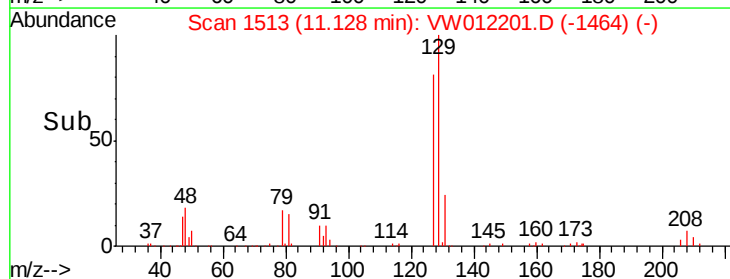
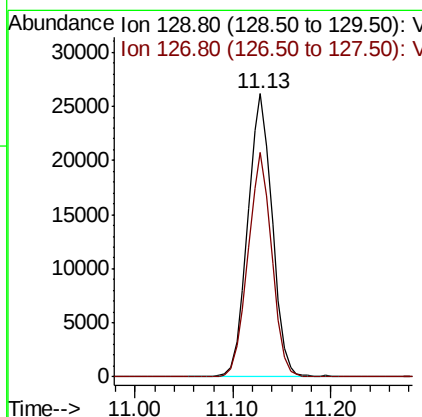
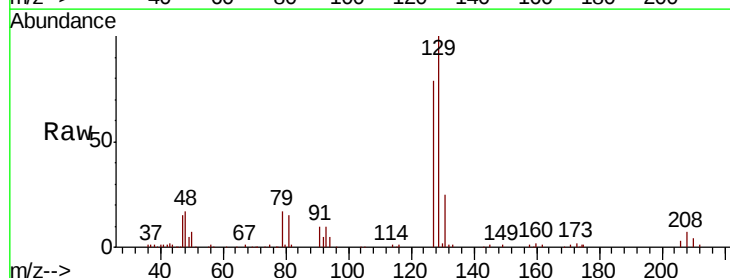
Instrument :
MSVOA_W
ClientSampleID :
VW0827SBSD01

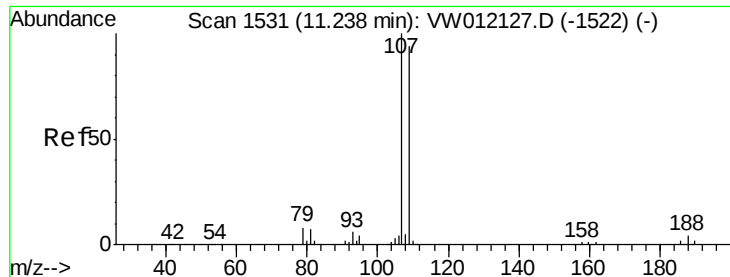
Tgt Ion: 43 Resp: 164109
Ion Ratio Lower Upper
43 100
58 49.5 24.3 72.9



#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





#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 :

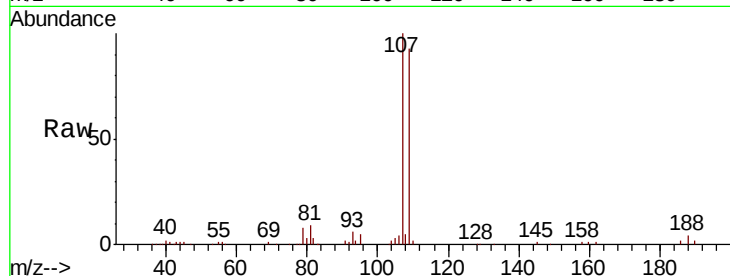
VW0827SBSD01

Tgt 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

25000

20000

15000

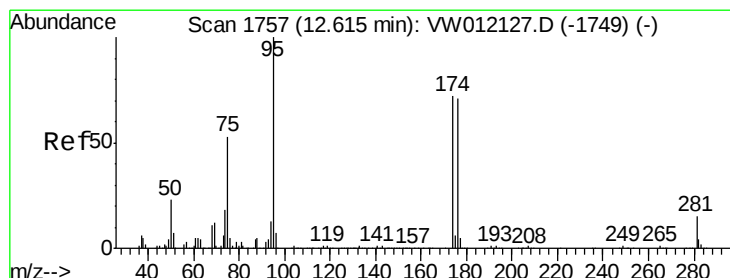
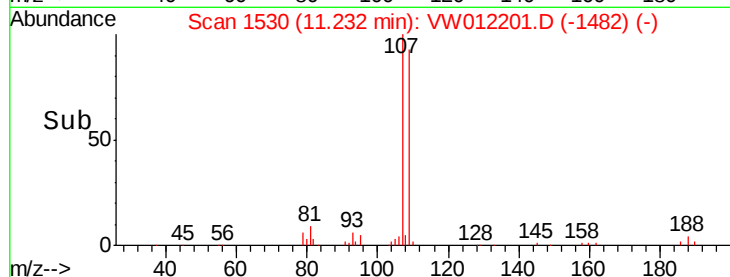
10000

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

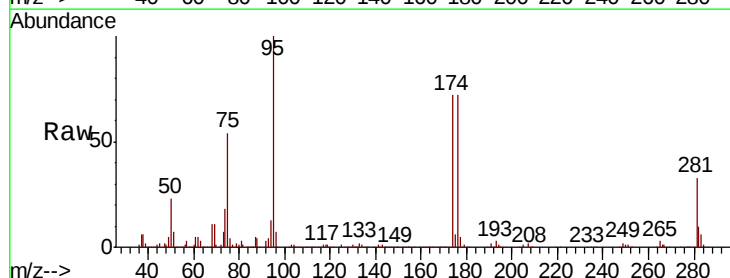
Tgt Ion: 95 Resp: 190891

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

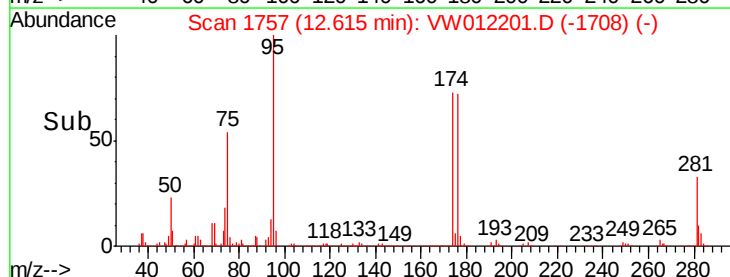
100000

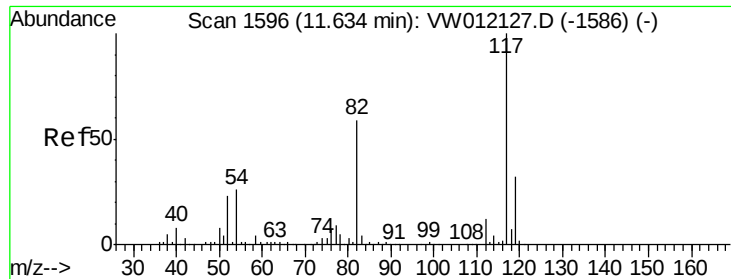
50000

0

Time-->

12.60 12.70

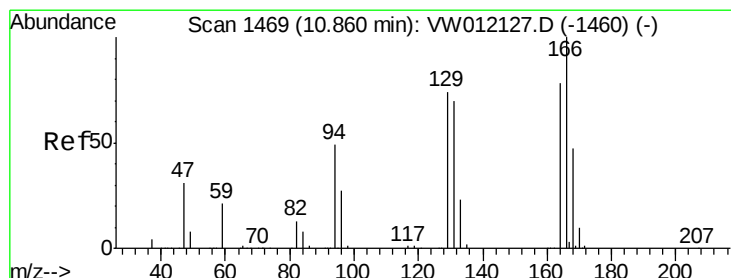
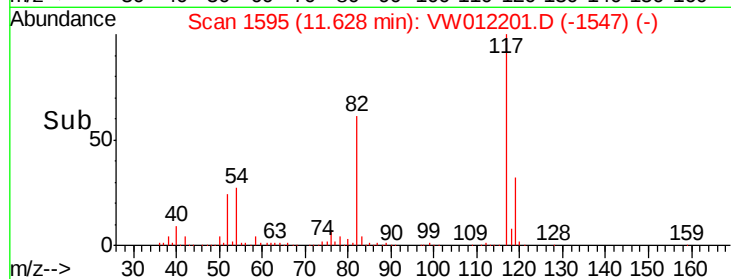
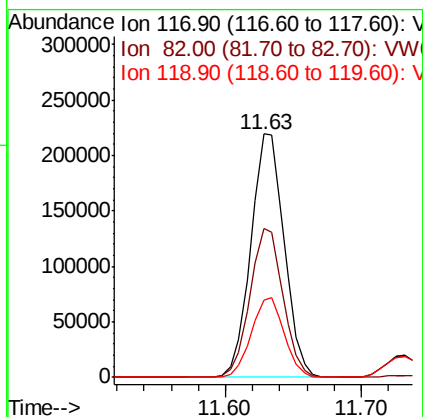
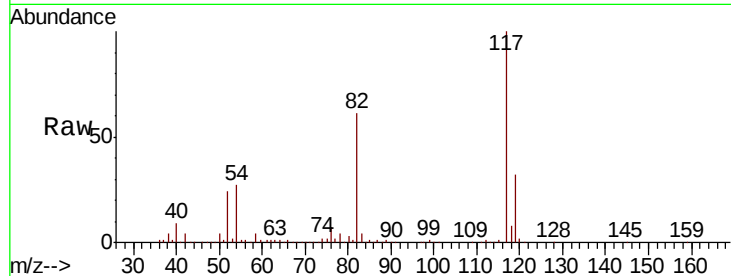




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

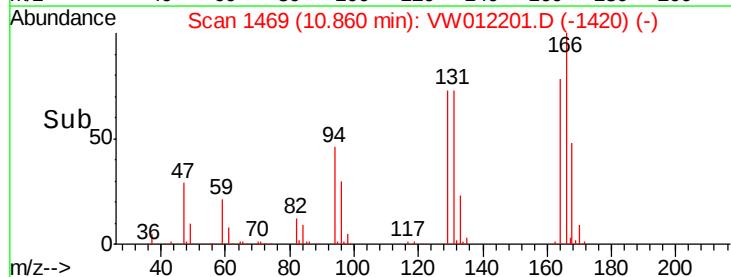
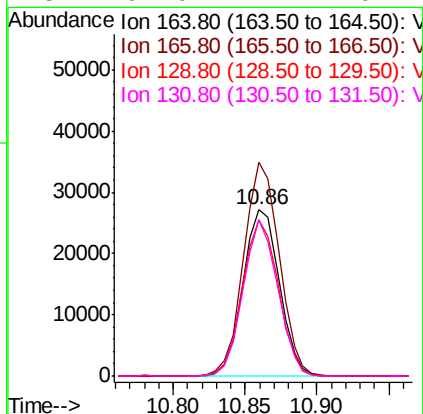
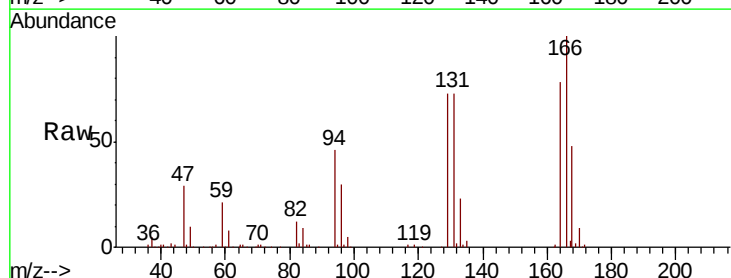
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

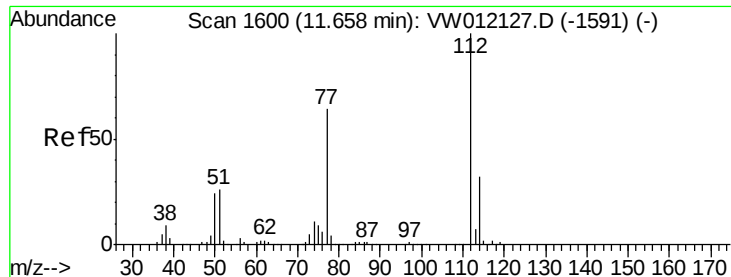
Tgt Ion:117 Resp: 377991
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.5 25.4 38.2



#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

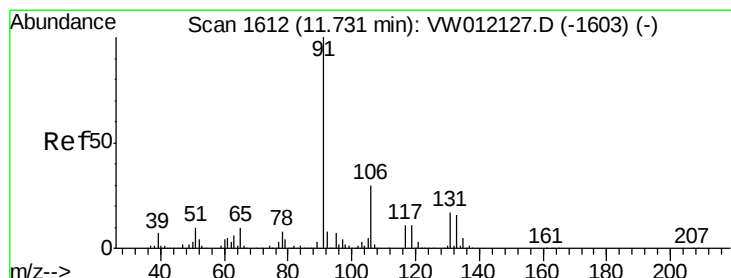
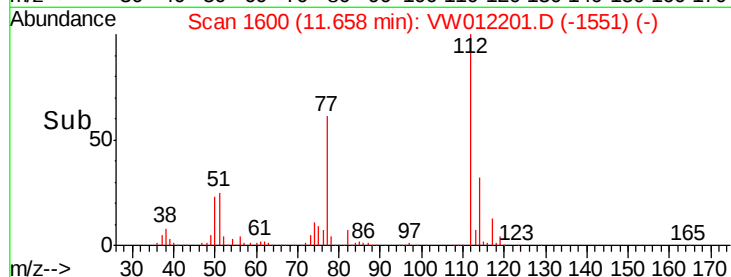
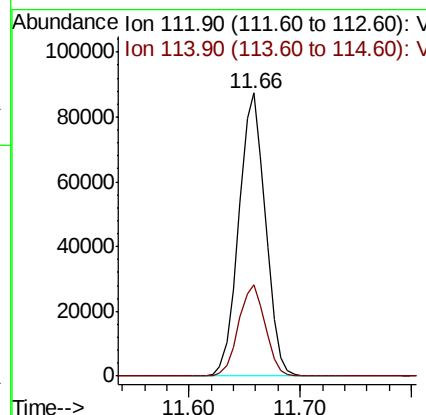
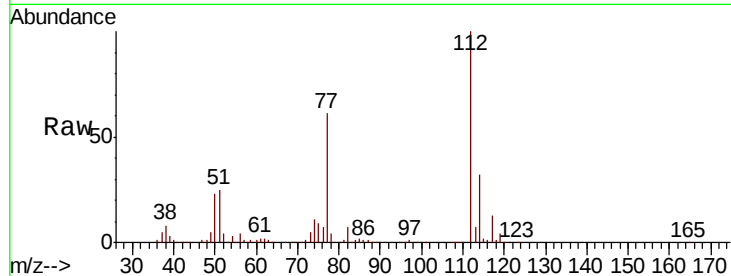




#65
Chlorobenzene
Concen: 19.370 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

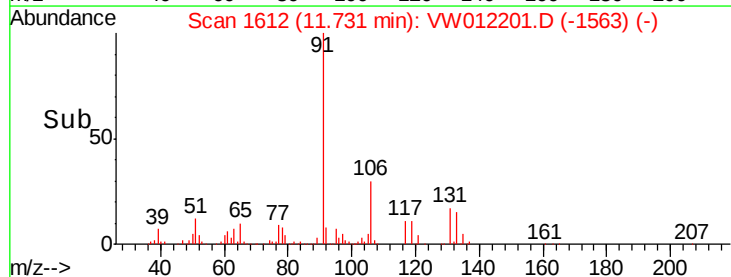
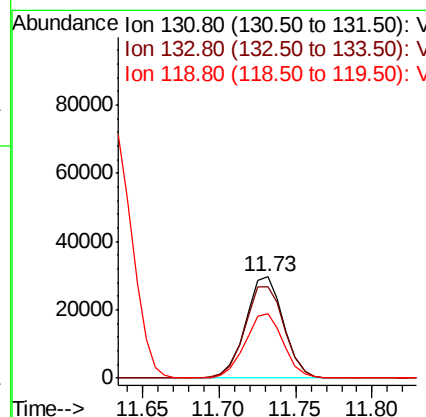
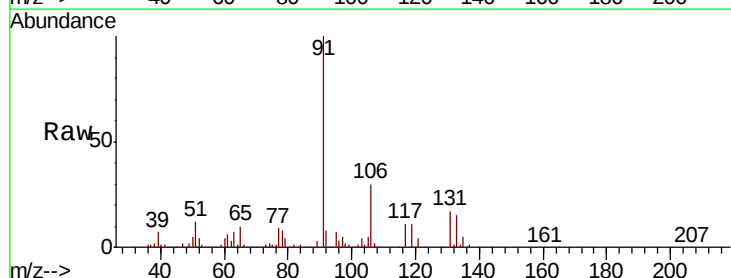
Instrument :
MSVOA_W
ClientSampleId :
VW0827SBSD01

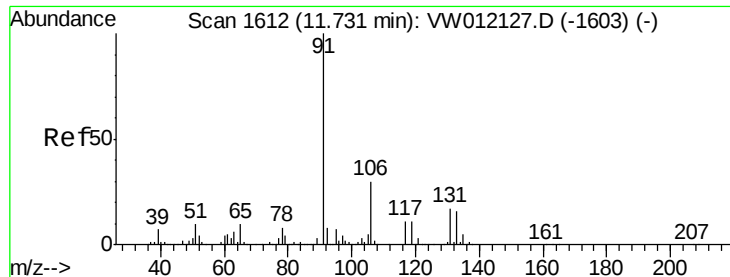
Tgt Ion:112 Resp: 144170
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#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 :

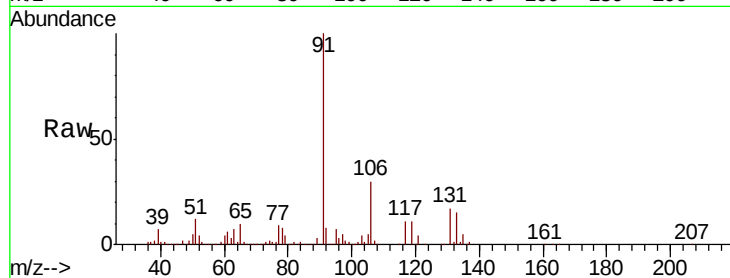
VW0827SBSD01

Tgt Ion: 91 Resp: 278992

Ion Ratio Lower Upper

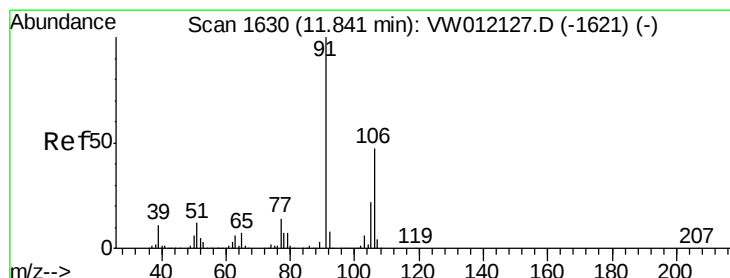
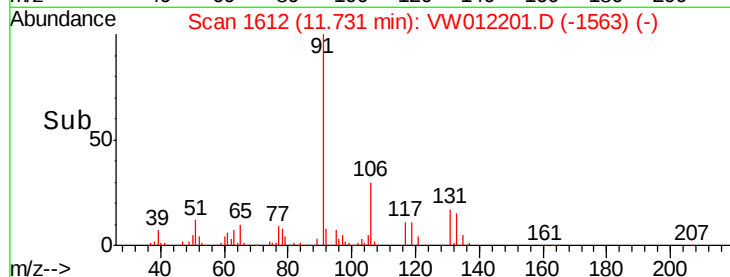
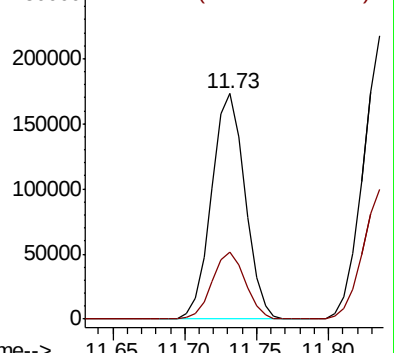
91 100

106 29.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#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

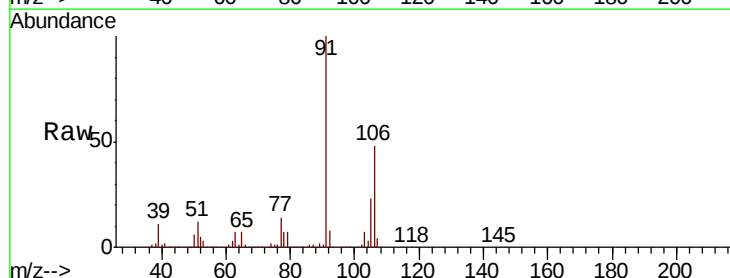
Acq: 27 Aug 2019 10:13

Tgt Ion: 106 Resp: 200173

Ion Ratio Lower Upper

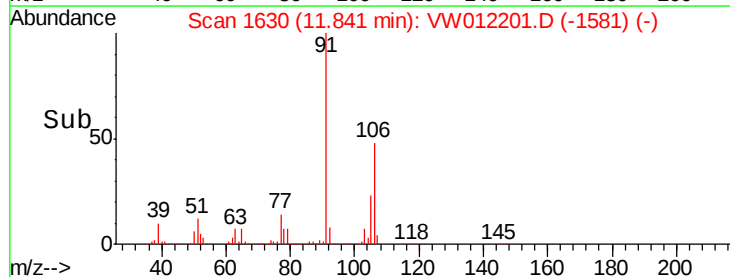
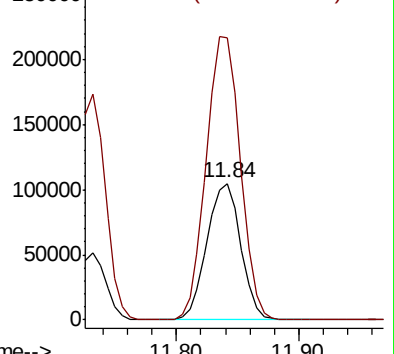
106 100

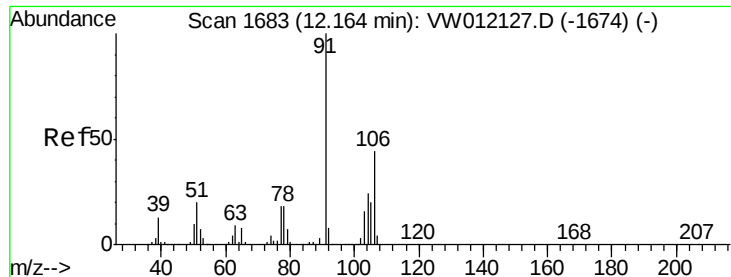
91 210.8 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

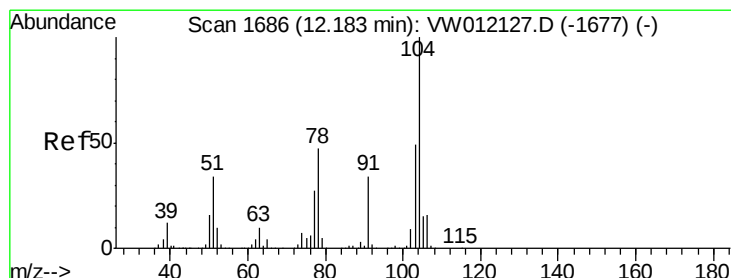
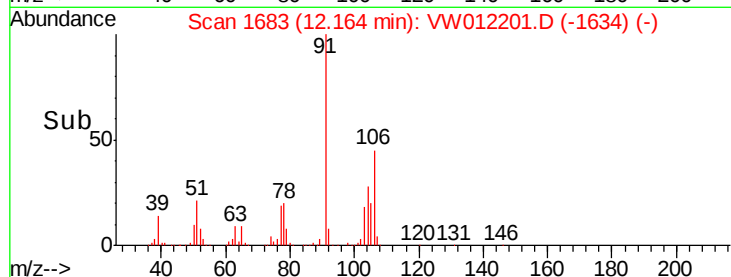
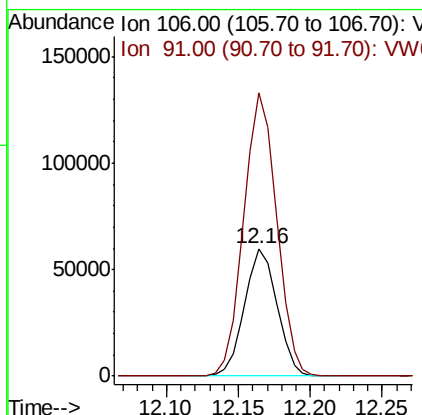
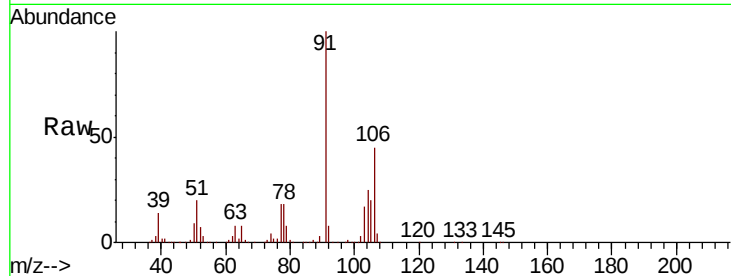




#69
o-Xylene
Concen: 19.638 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

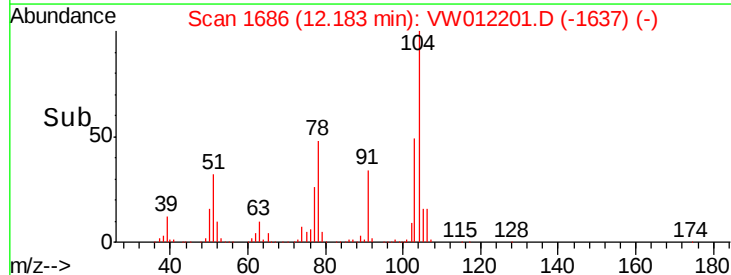
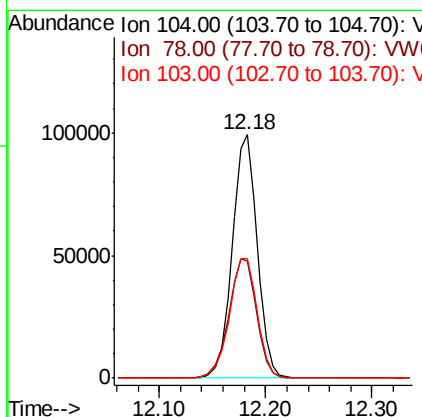
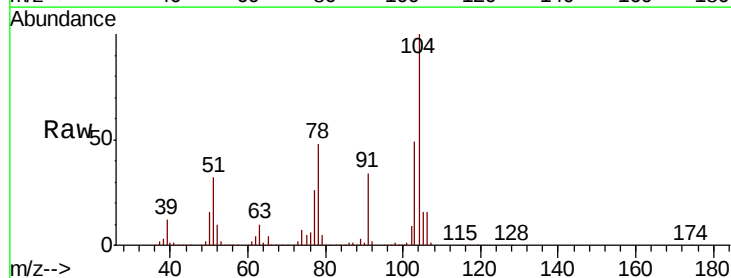
Instrument :
MSVOA_W
ClientSampled :
VW0827SBSD01

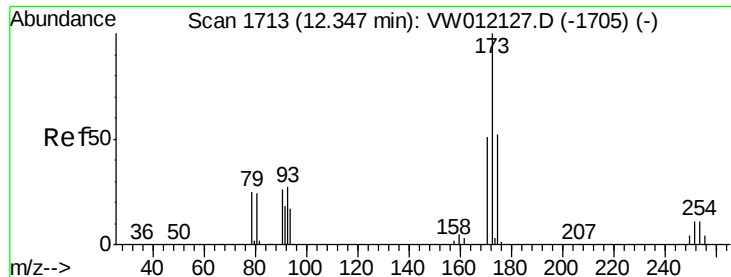
Tgt Ion:106 Resp: 93870
Ion Ratio Lower Upper
106 100
91 224.7 111.6 334.6



#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

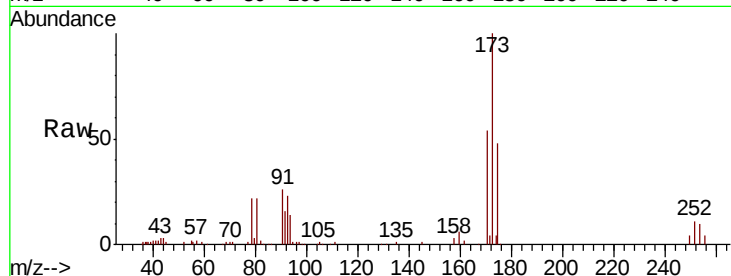
Tgt Ion:173 Resp: 25565

Ion Ratio Lower Upper

173 100

175 48.8 24.6 74.0

254 0.1 0.2 0.2#

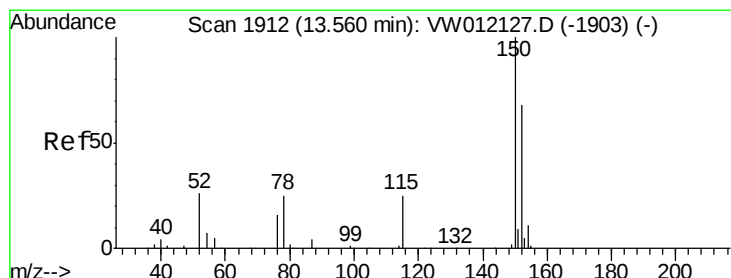
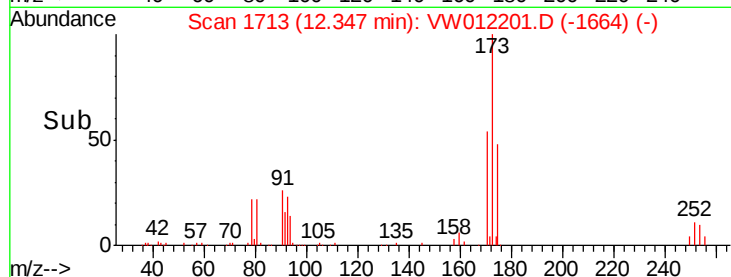
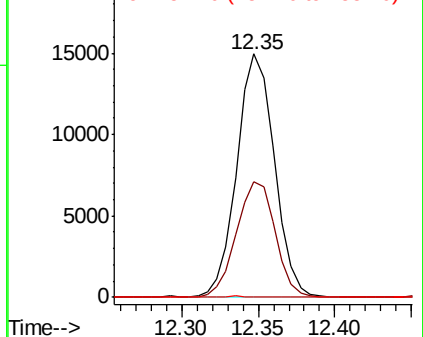


Abundance

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

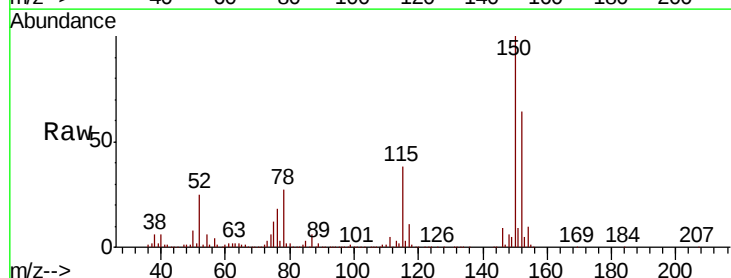
Tgt Ion:152 Resp: 183830

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

150 160.2 0.0 345.8

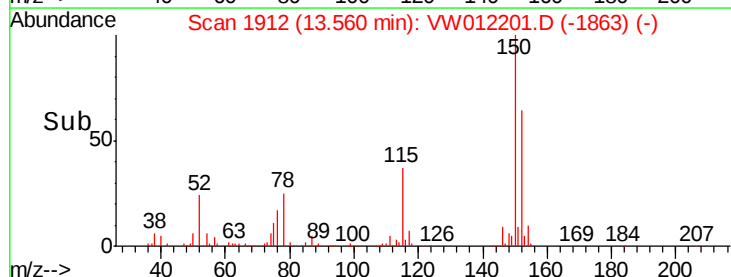
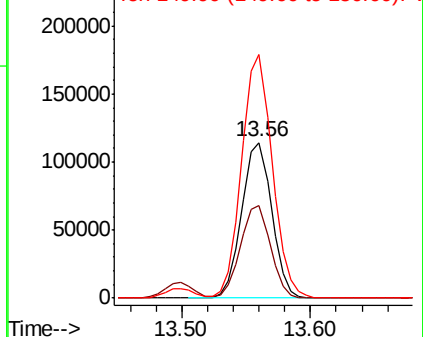


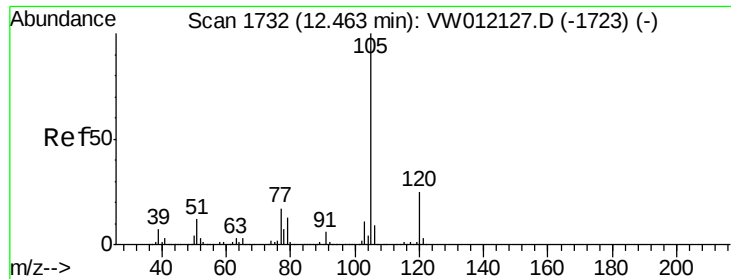
Abundance

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 :

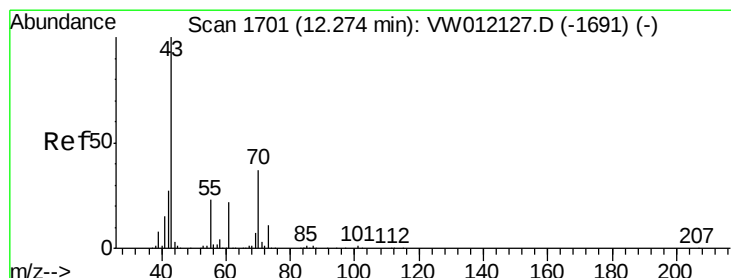
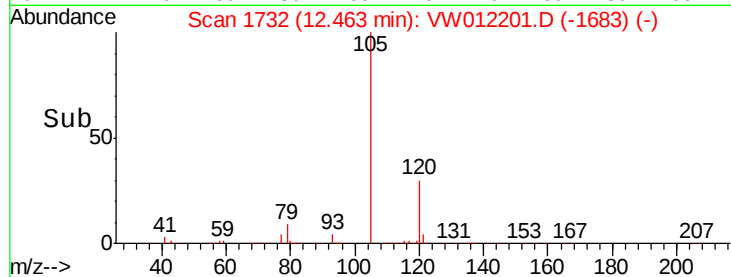
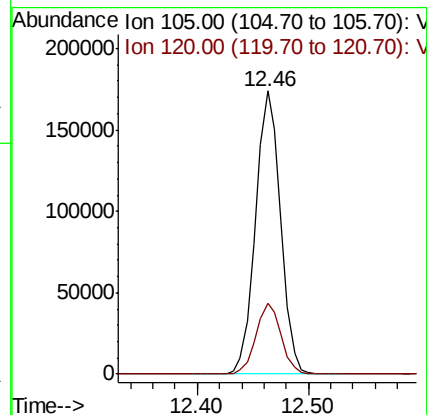
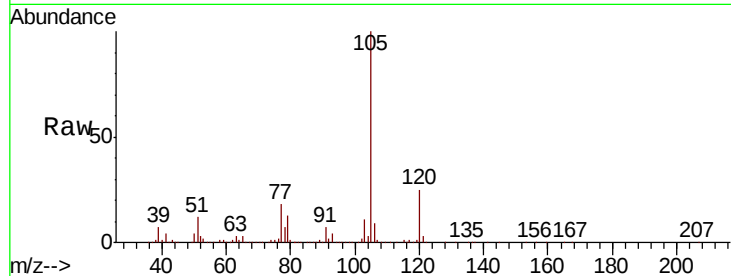
VW0827SBSD01

Tgt Ion:105 Resp: 271672

Ion Ratio Lower Upper

105 100

120 24.9 12.5 37.5



#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

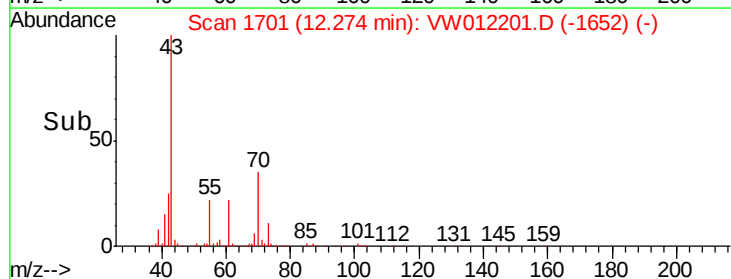
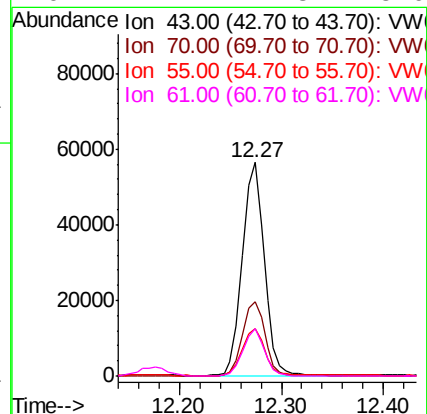
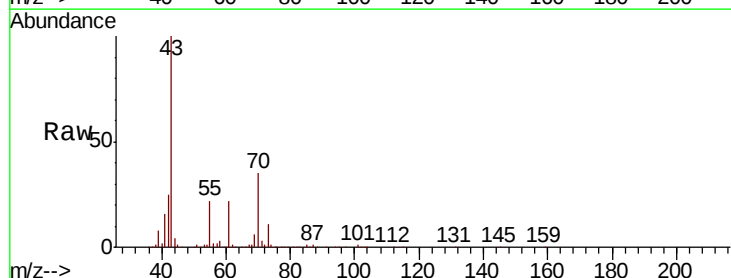
Ion Ratio Lower Upper

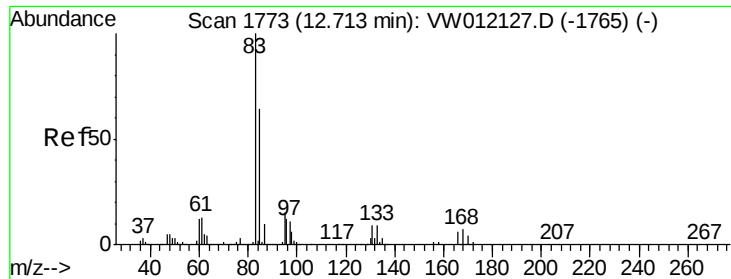
43 100

70 35.5 28.6 43.0

55 22.1 17.8 26.6

61 21.7 17.3 25.9





#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

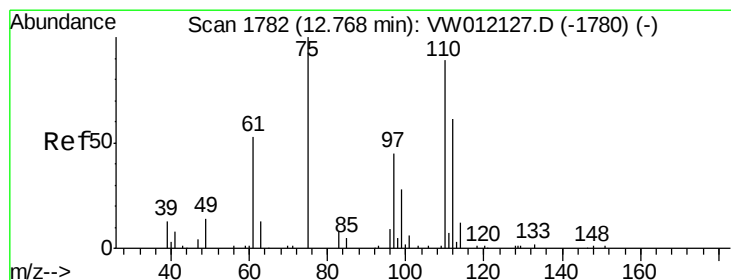
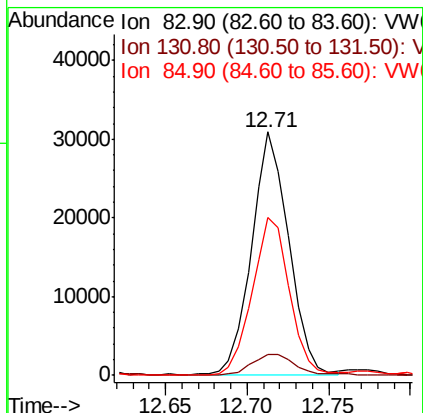
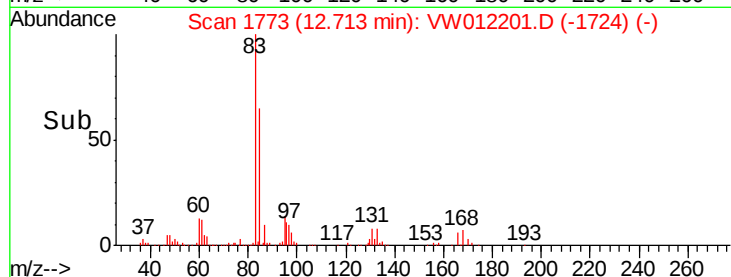
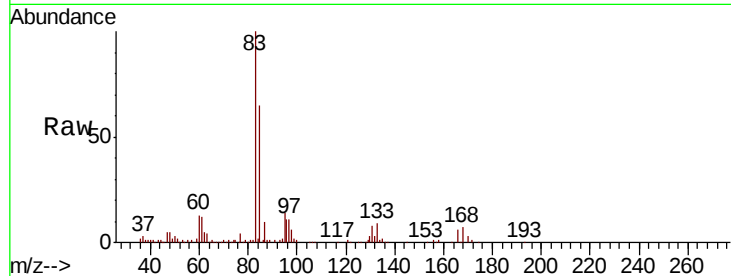
Tgt Ion: 83 Resp: 48670

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

85 65.2 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 36.722 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012201.D

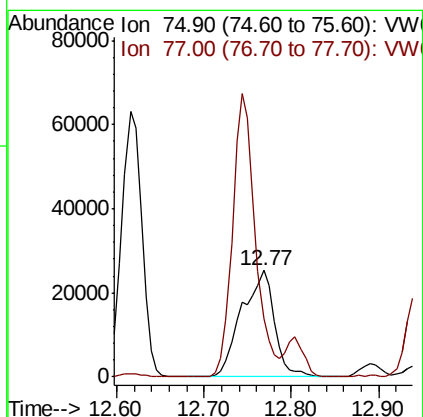
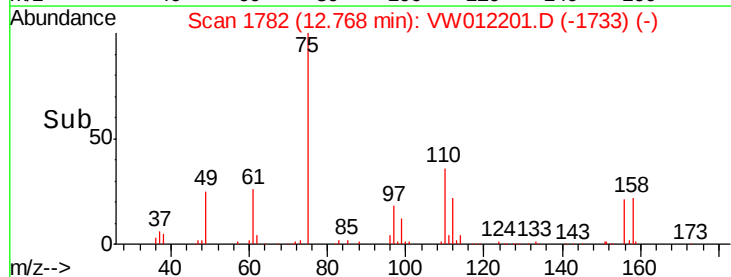
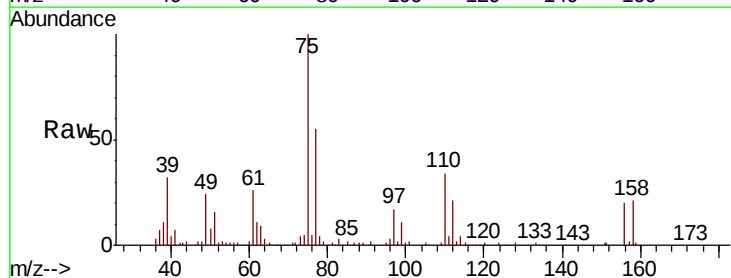
Acq: 27 Aug 2019 10:13

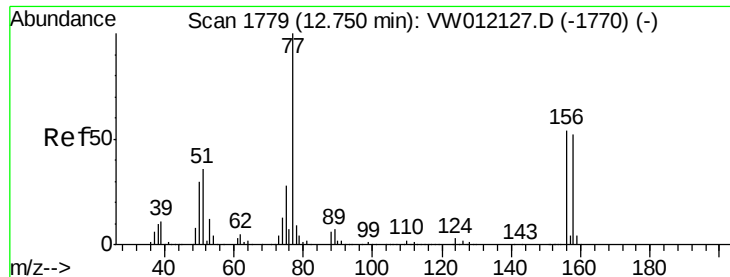
Tgt Ion: 75 Resp: 65746

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#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

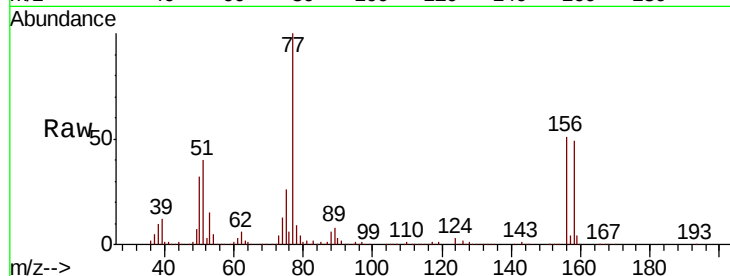
Tgt Ion:156 Resp: 57827

Ion Ratio Lower Upper

156 100

77 212.7 107.3 321.8

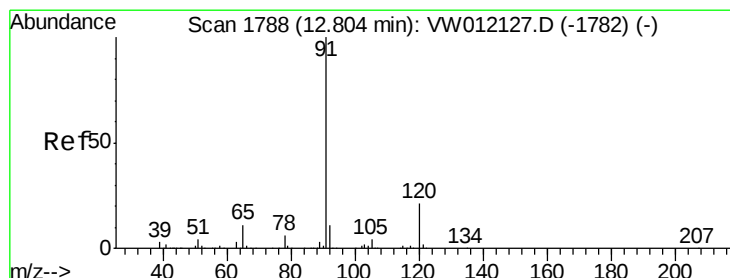
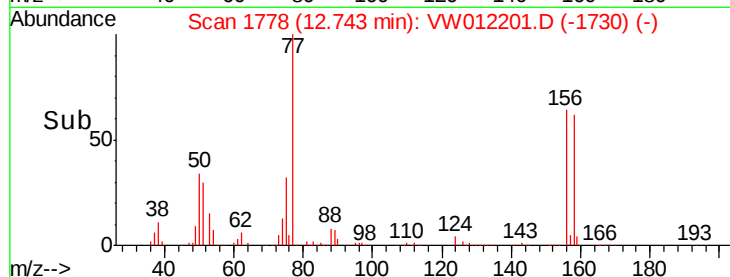
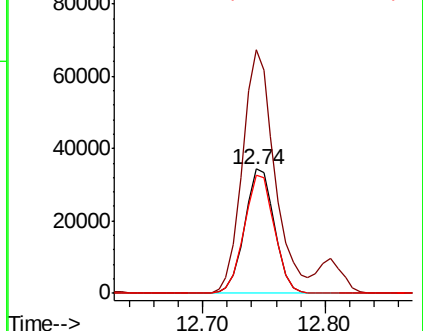
158 97.1 49.0 147.0



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

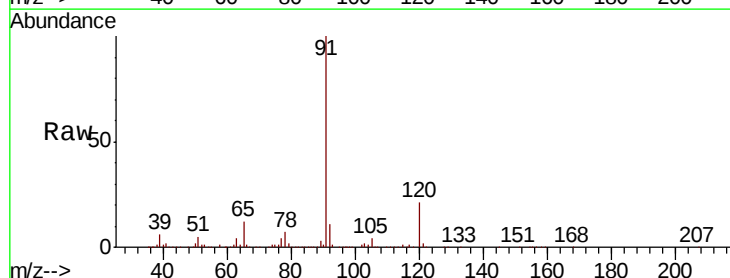
Acq: 27 Aug 2019 10:13

Tgt Ion: 91 Resp: 327957

Ion Ratio Lower Upper

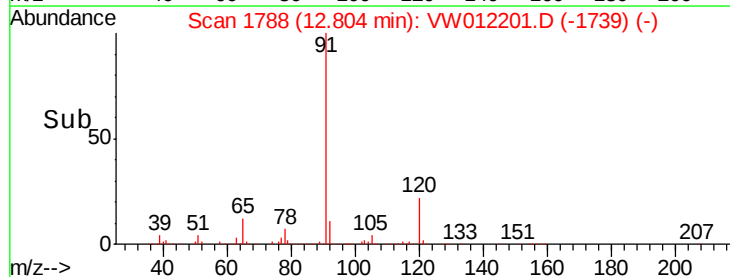
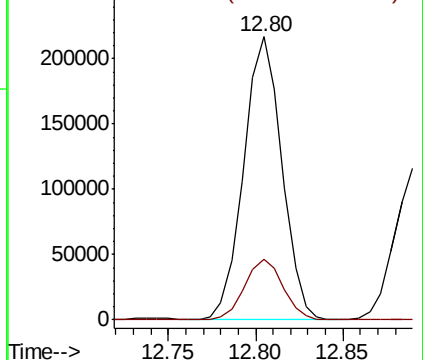
91 100

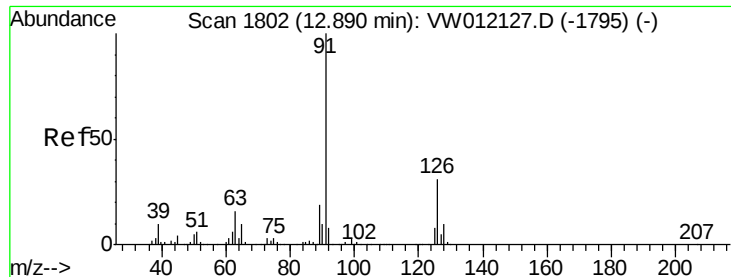
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

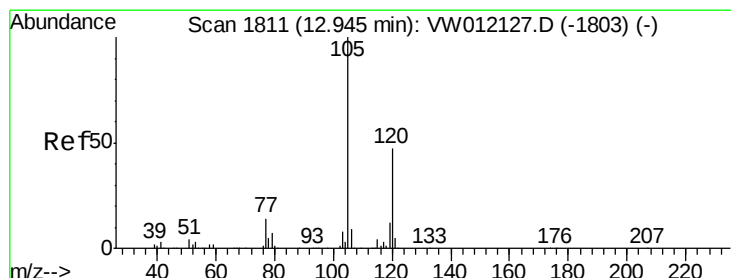
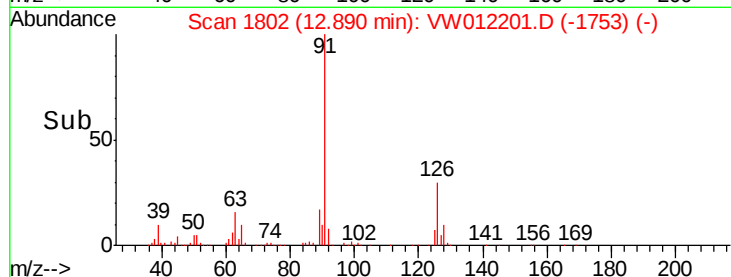
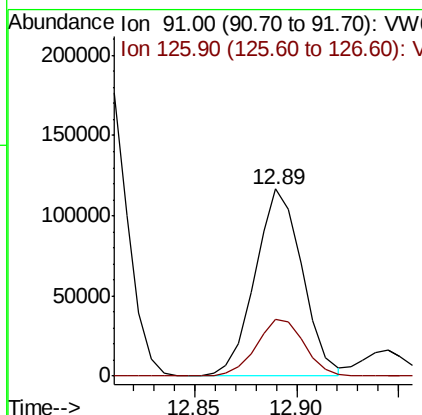
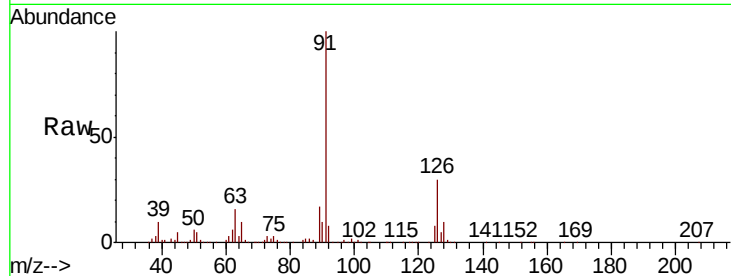




#79
 2-Chlorotoluene
 Concen: 19.530 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

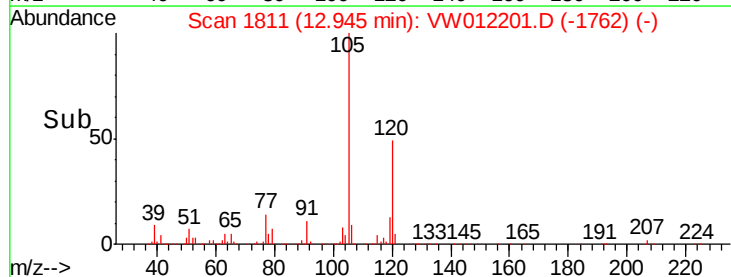
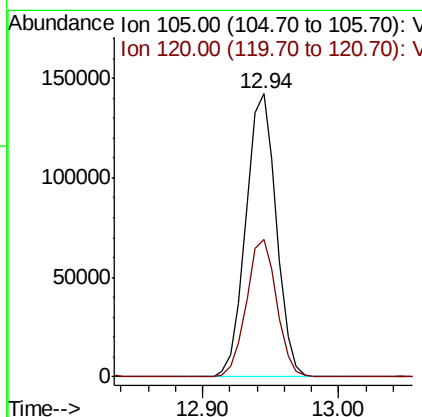
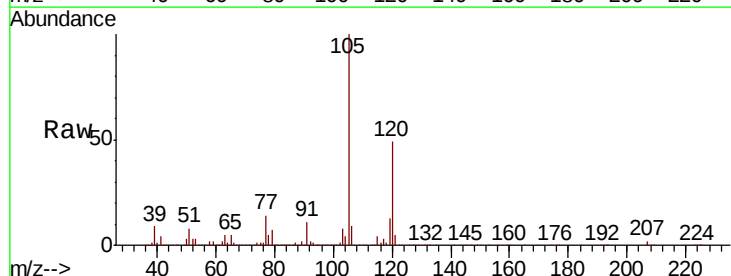
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

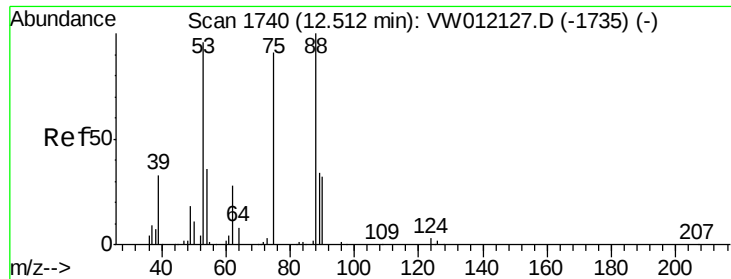
Tgt Ion: 91 Resp: 186460
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.7 47.0



#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





#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

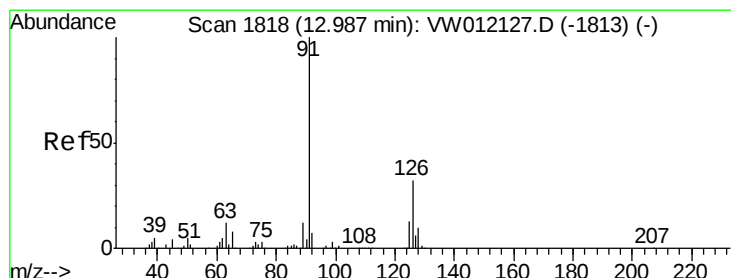
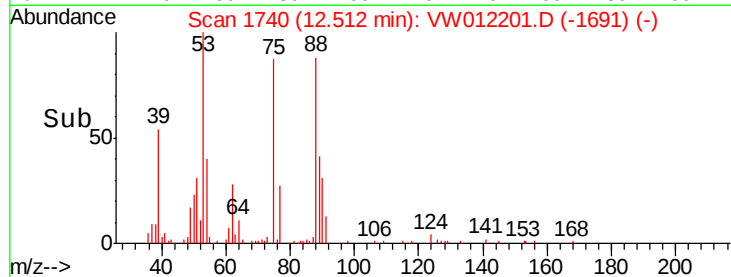
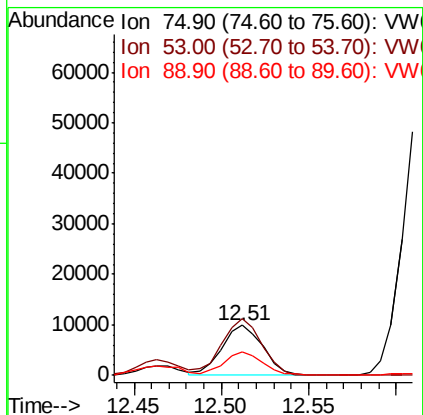
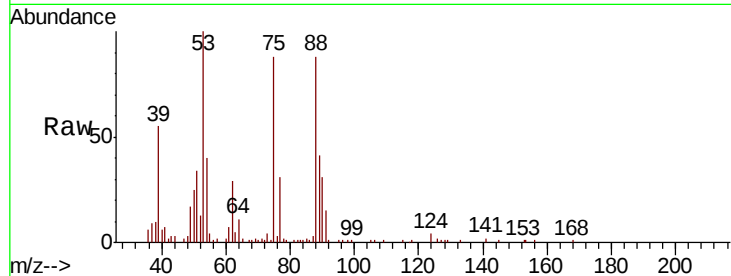
Tgt Ion: 75 Resp: 15933

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

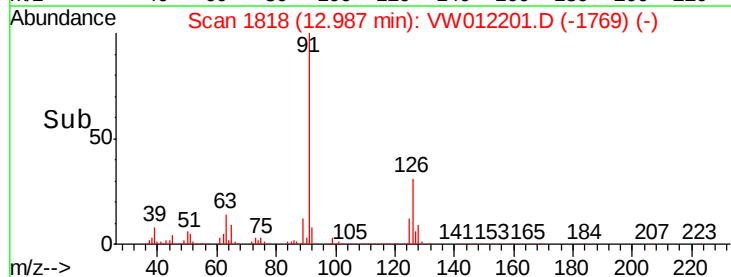
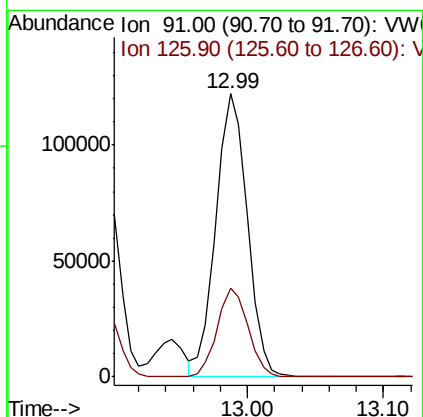
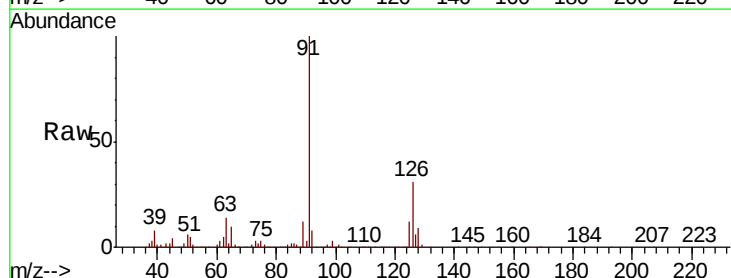
Acq: 27 Aug 2019 10:13

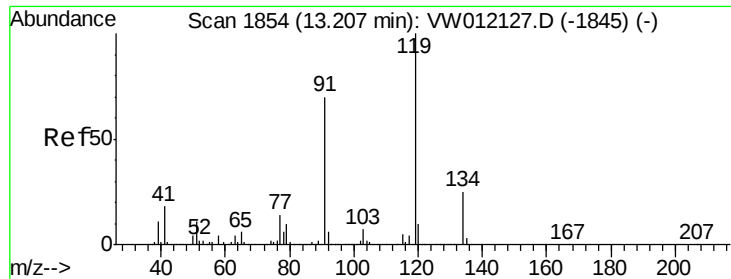
Tgt Ion: 91 Resp: 195667

Ion Ratio Lower Upper

91 100

126 30.9 15.6 46.8

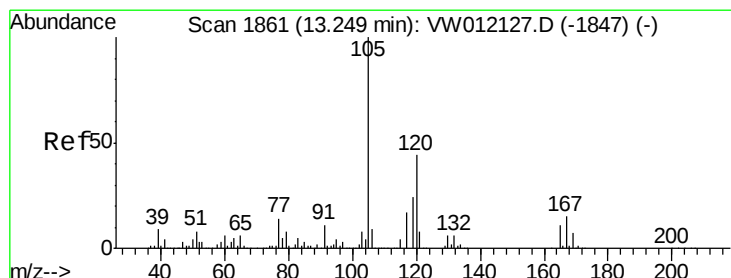
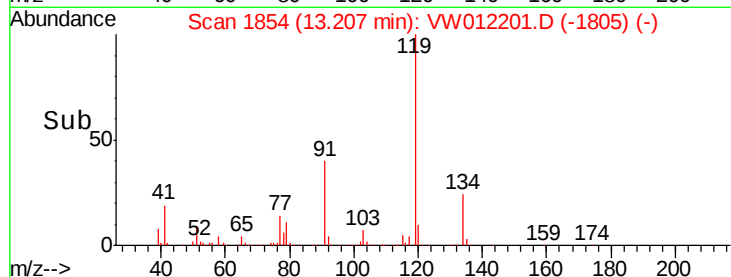
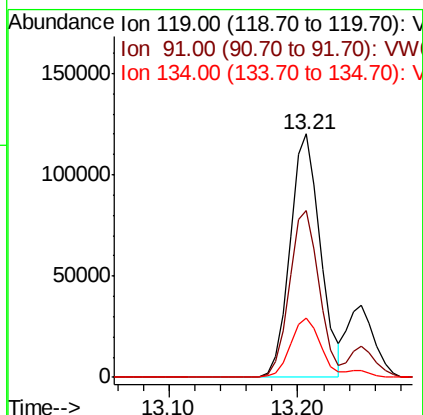
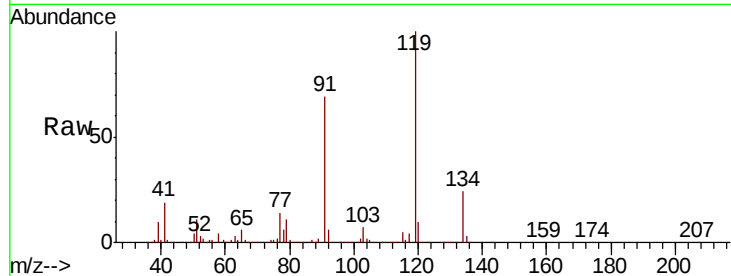




#83
 tert-Butylbenzene
 Concen: 20.020 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

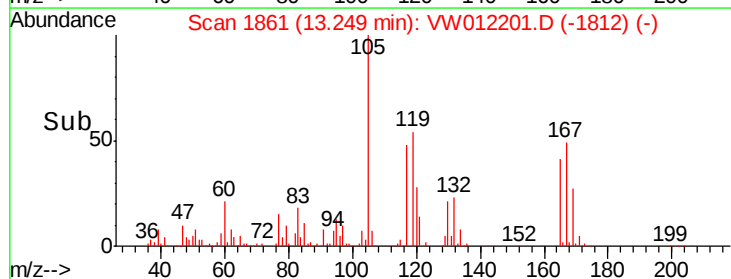
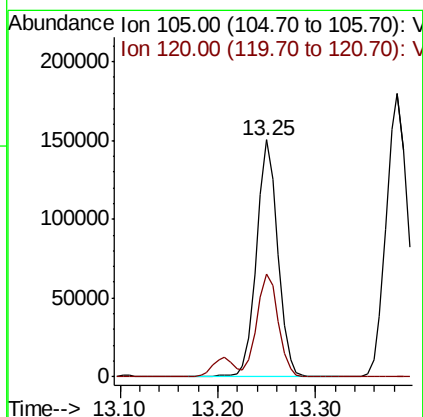
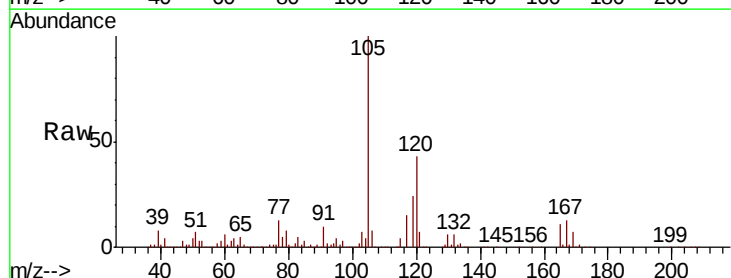
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

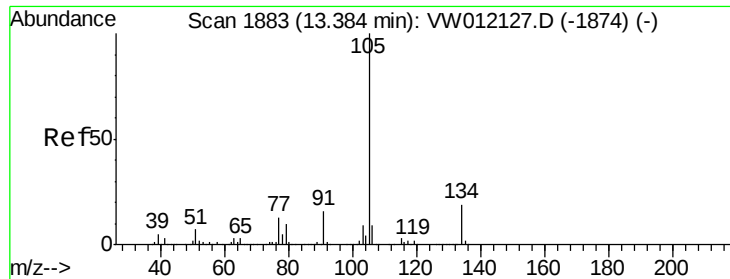
Tgt Ion:119 Resp: 195197
 Ion Ratio Lower Upper
 119 100
 91 67.2 34.8 104.3
 134 24.5 13.3 39.8



#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

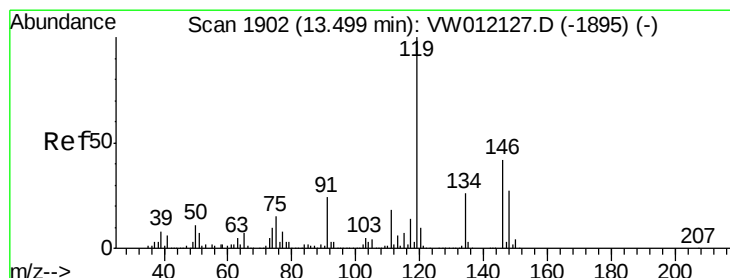
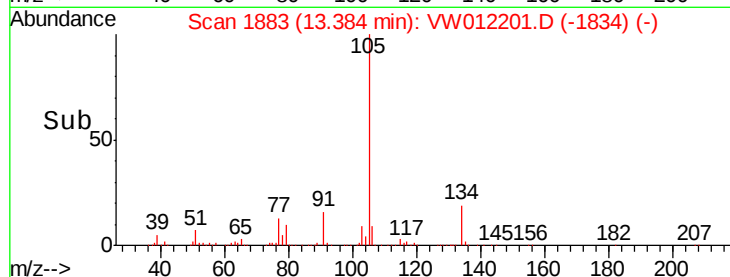
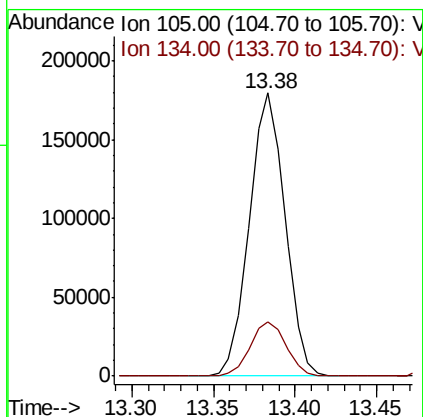
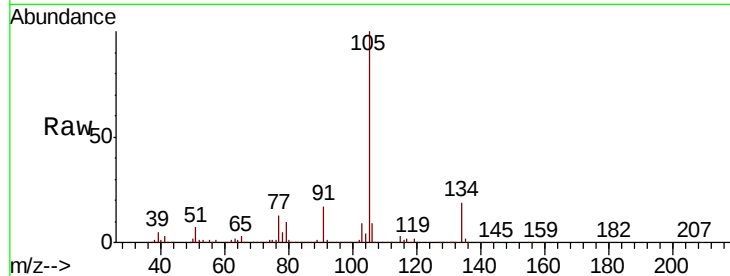




#85
 sec-Butylbenzene
 Concen: 19.615 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

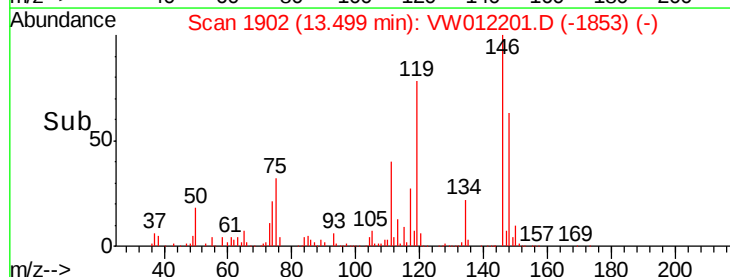
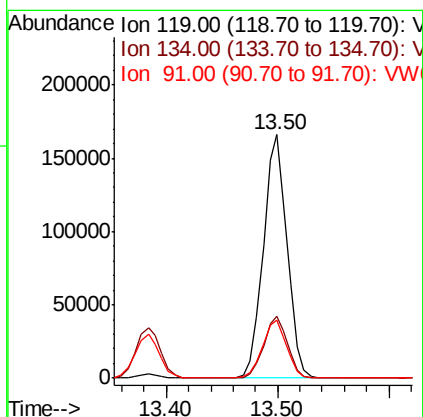
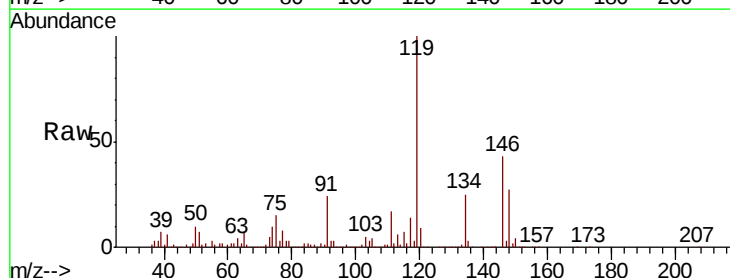
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBSD01

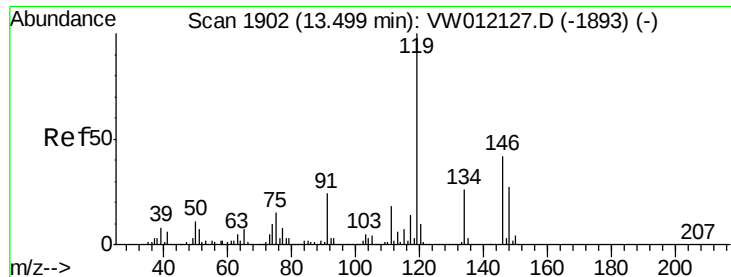
Tgt Ion:105 Resp: 273992
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#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





#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

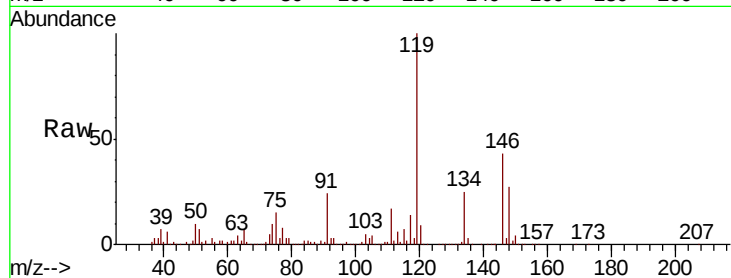
Tgt Ion:146 Resp: 113371

Ion Ratio Lower Upper

146 100

111 41.1 20.9 62.7

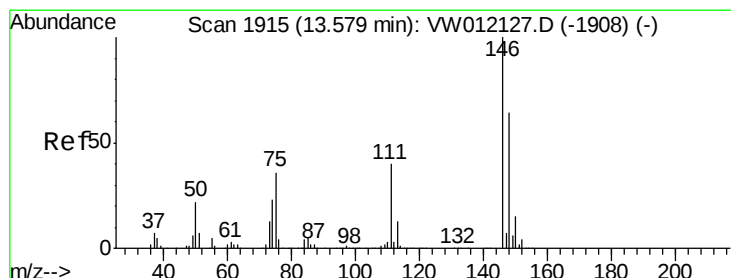
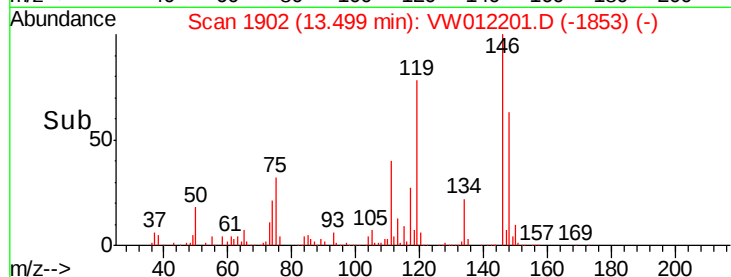
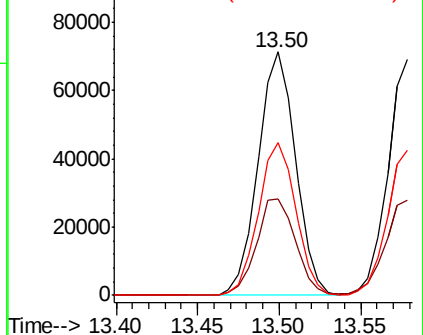
148 63.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.235 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW012201.D

Acq: 27 Aug 2019 10:13

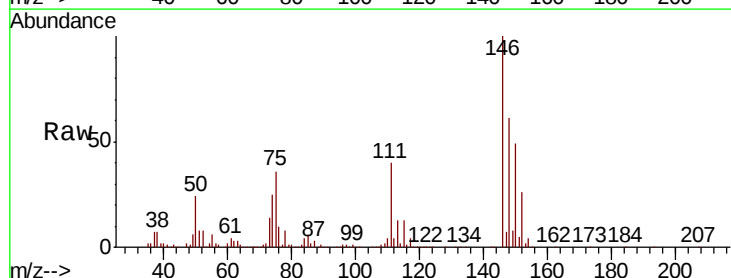
Tgt Ion:146 Resp: 111326

Ion Ratio Lower Upper

146 100

111 41.7 20.0 60.0

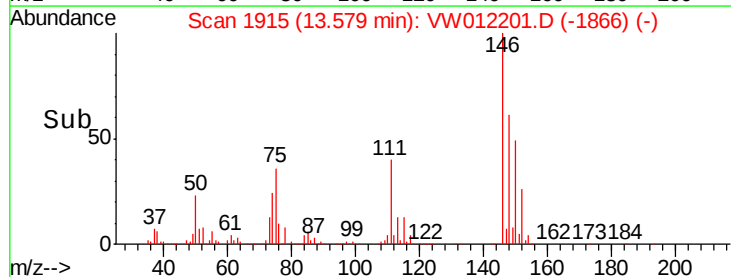
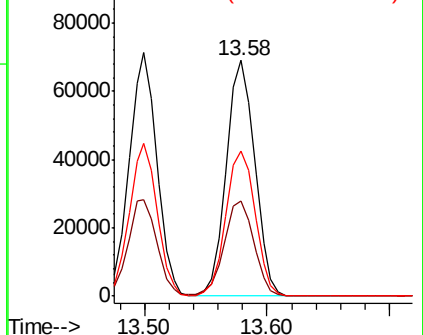
148 63.4 32.1 96.3

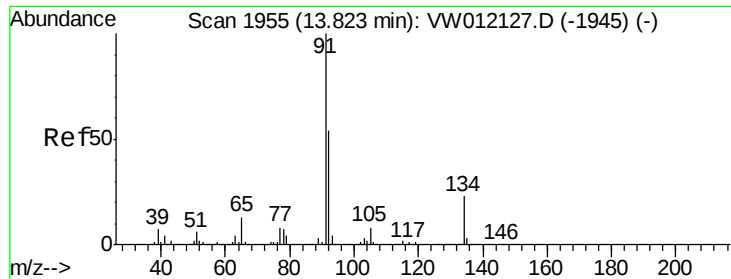


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 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 :

VW0827SBSD01

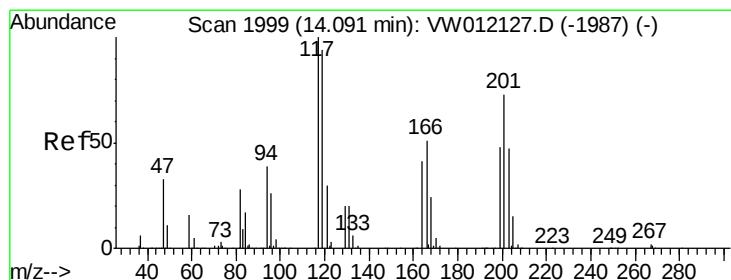
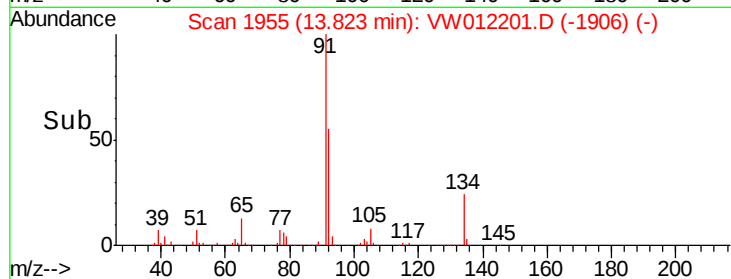
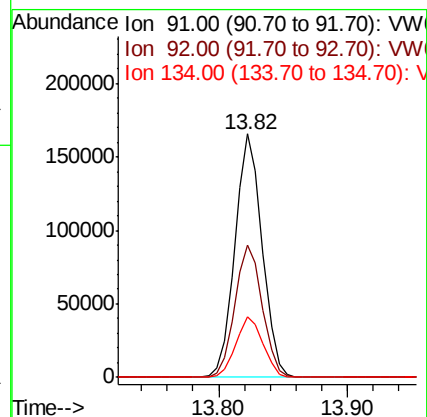
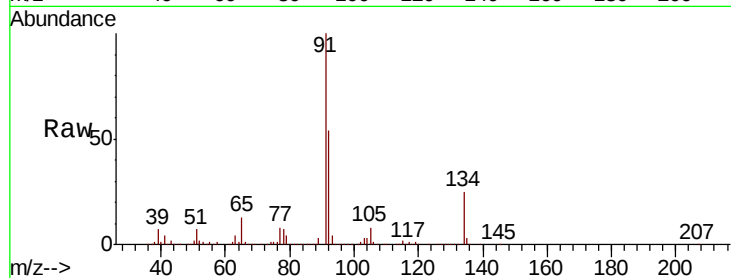
Tgt Ion: 91 Resp: 243397

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

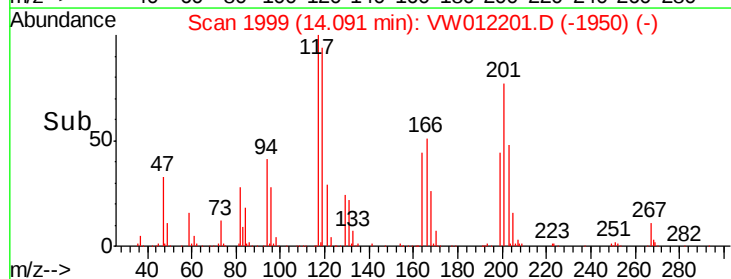
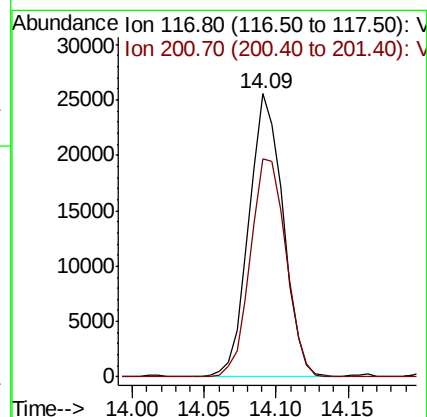
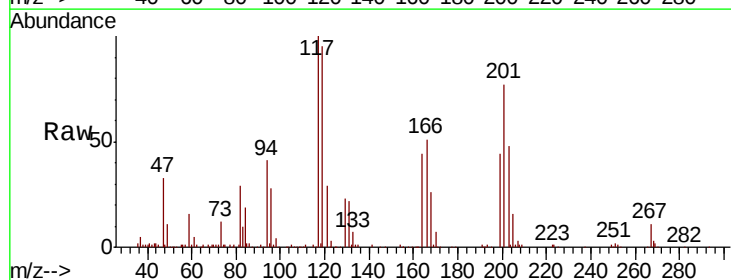
Acq: 27 Aug 2019 10:13

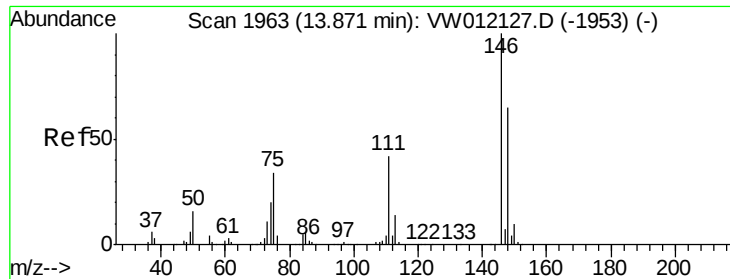
Tgt Ion: 117 Resp: 41923

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

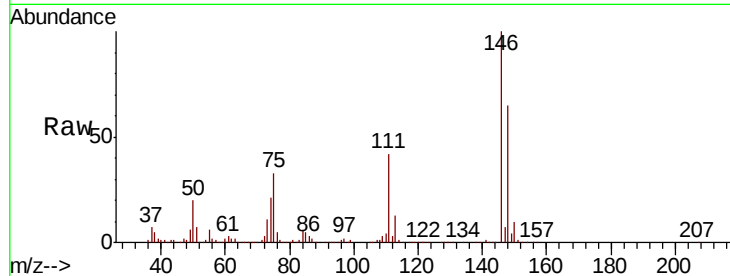
Tgt Ion:146 Resp: 101043

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

148 63.3 32.5 97.4

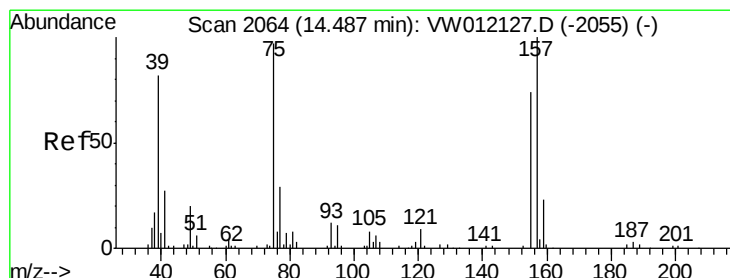
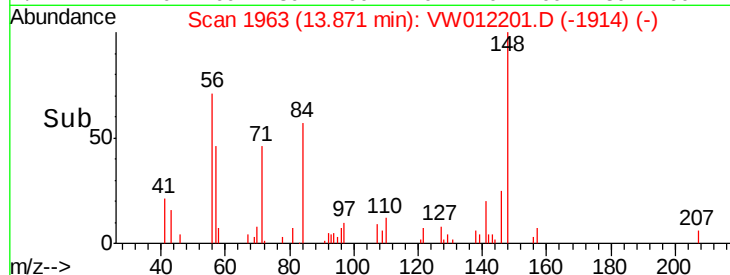
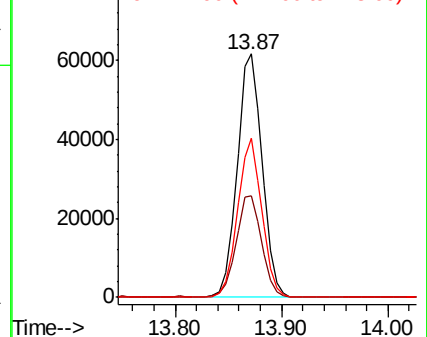


Abundance

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

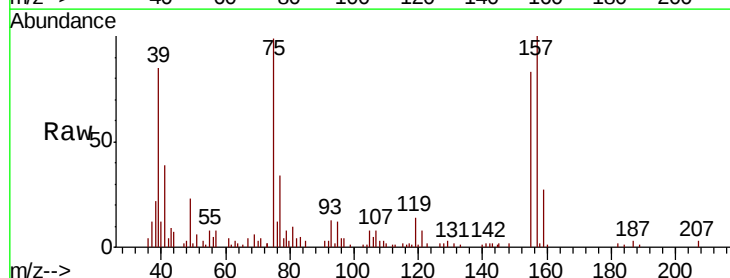
Tgt Ion: 75 Resp: 8353

Ion Ratio Lower Upper

75 100

155 77.9 37.5 112.3

157 102.0 50.5 151.5

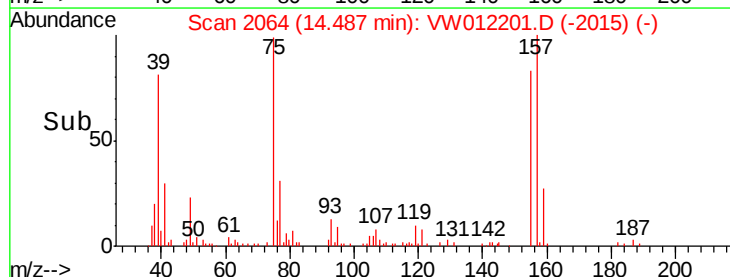
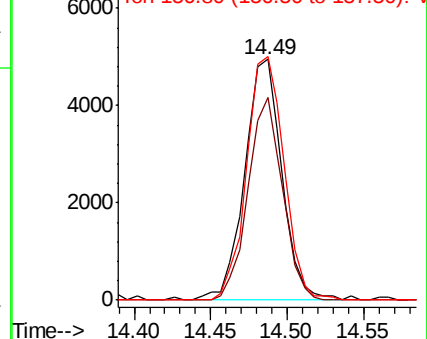


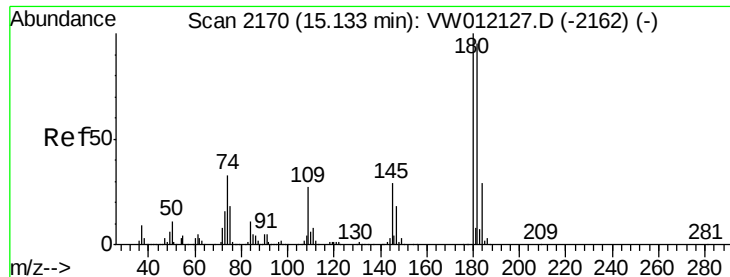
Abundance

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

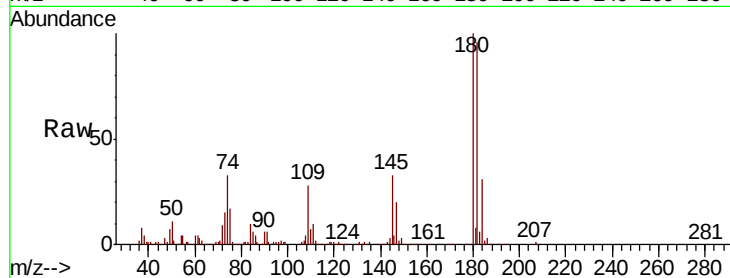




#93
 1,2,4-Trichlorobenzene
 Concen: 20.768 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012201.D
 Acq: 27 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS01

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

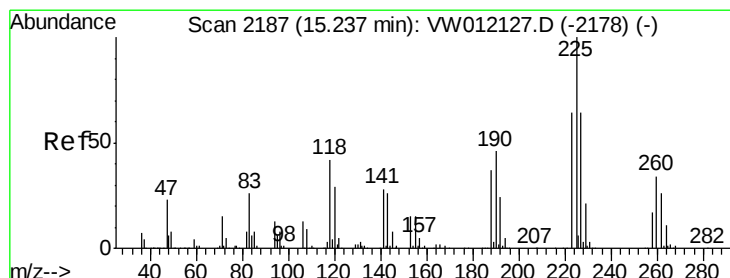
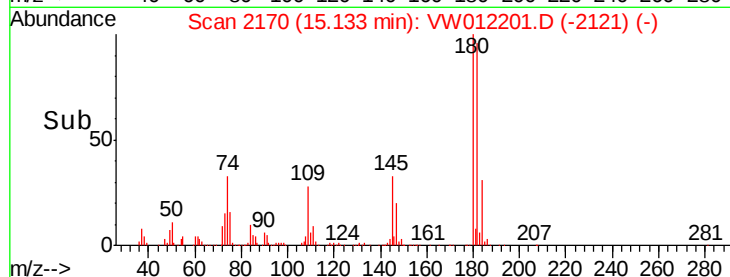
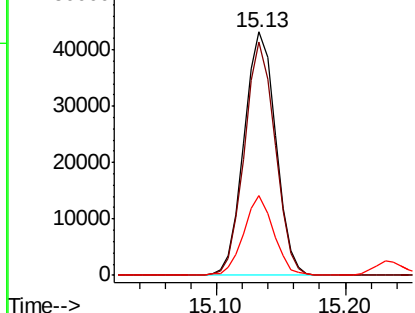


Abundance

Ion 179.80 (179.50 to 180.50): V

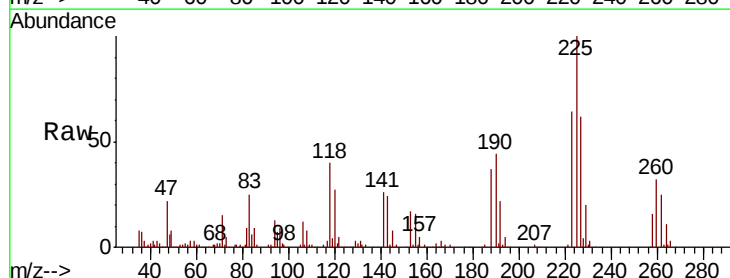
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#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

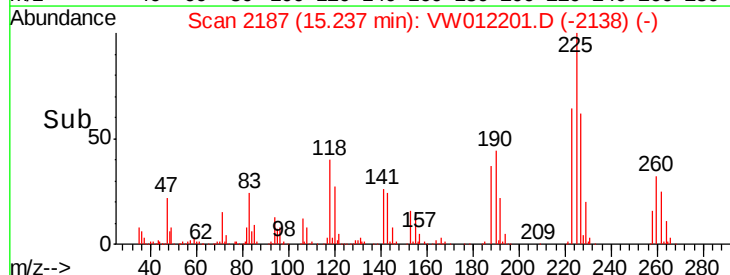
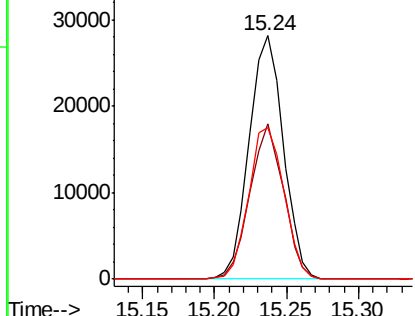


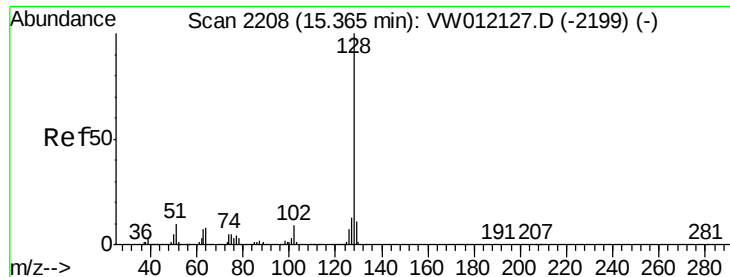
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

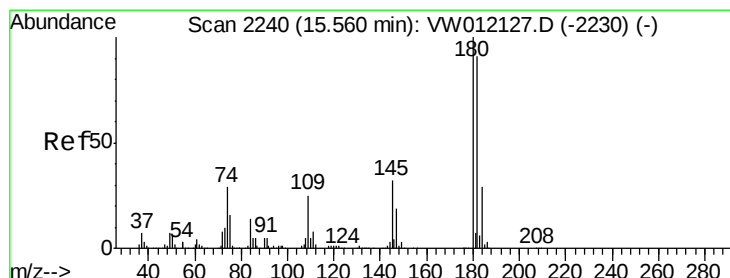
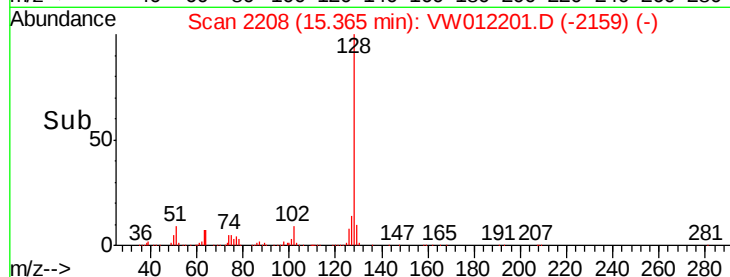
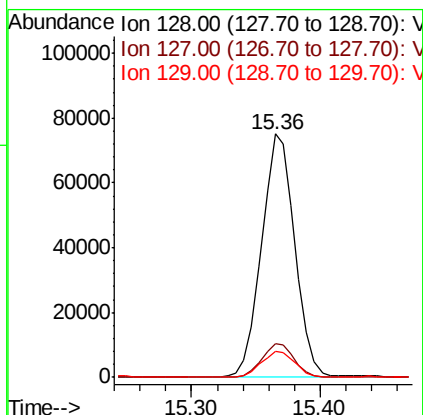
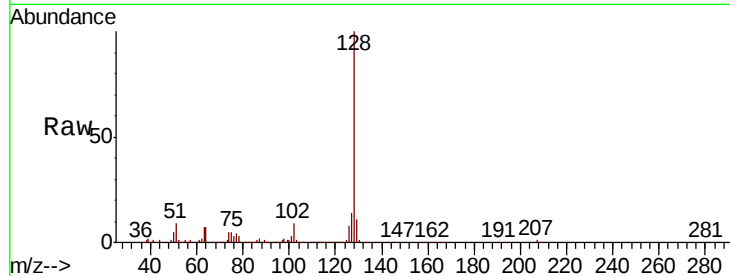




#95
Naphthalene
Concen: 21.941 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012201.D
Acq: 27 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW0827SBS01

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



#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

