

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012321.D
 Acq On : 30 Aug 2019 00:14
 Operator : SY/VA
 Sample : VW0829SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Quant Time: Aug 30 06:53:49 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	209737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	141248	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	127361	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.88	113	101091	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.32	98	409279	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.62	95	144770	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	20139	15.594	ug/l	90
3) Chloromethane	2.21	50	36410	18.198	ug/l	100
4) Vinyl Chloride	2.36	62	44441	18.147	ug/l	96
5) Bromomethane	2.76	94	22521	18.159	ug/l	99
6) Chloroethane	2.92	64	26290	19.030	ug/l	98
7) Trichlorofluoromethane	3.25	101	22220	18.070	ug/l	95
8) Diethyl Ether	3.68	74	24534	21.020	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41301	19.760	ug/l	98
10) Methyl Iodide	4.27	142	54123	19.138	ug/l	99
11) Tert butyl alcohol	5.18	59	18561	123.704	ug/l	100
12) 1,1-Dichloroethene	4.04	96	39595	18.821	ug/l	96
13) Acrolein	3.90	56	12770	90.414	ug/l	100
14) Allyl chloride	4.67	41	89378	19.873	ug/l	99
15) Acrylonitrile	5.37	53	68357	118.157	ug/l	99
16) Acetone	4.12	43	61030	95.759	ug/l	96
17) Carbon Disulfide	4.38	76	100839	15.860	ug/l	99
18) Methyl Acetate	4.67	43	41933	26.564	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	78864	23.181	ug/l	96
20) Methylene Chloride	4.91	84	57741	23.965	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	43657	19.352	ug/l	97
22) Diisopropyl ether	6.31	45	180133	21.608	ug/l	99
23) Vinyl Acetate	6.25	43	538886	105.036	ug/l	100
24) 1,1-Dichloroethane	6.21	63	93212	20.535	ug/l	99
25) 2-Butanone	7.17	43	94786	109.445	ug/l	99
26) 2,2-Dichloropropane	7.17	77	50208	19.542	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50184	20.821	ug/l	100
28) Bromochloromethane	7.51	49	42035	21.247	ug/l	99
29) Tetrahydrofuran	7.54	42	62743	120.753	ug/l	100
30) Chloroform	7.67	83	85362	20.555	ug/l	100
31) Cyclohexane	7.96	56	82967	18.475	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	67084	20.420	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69486	19.700	ug/l	100
37) Ethyl Acetate	7.26	43	45047	23.305	ug/l	99
38) Carbon Tetrachloride	8.07	117	58704	19.229	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	74269	18.742	ug/l	99
40) Benzene	8.32	78	192403	19.976	ug/l	99
41) Methacrylonitrile	7.48	41	25782	22.695	ug/l	98
42) 1,2-Dichloroethane	8.40	62	63463	21.024	ug/l	100
43) Isopropyl Acetate	8.42	43	80181	22.395	ug/l	99
44) Trichloroethene	9.09	130	47077	20.107	ug/l	92
45) 1,2-Dichloropropane	9.37	63	52809	20.373	ug/l	98
46) Dibromomethane	9.46	93	24895	21.586	ug/l	98
47) Bromodichloromethane	9.64	83	61684	20.096	ug/l	98
48) Methyl methacrylate	9.43	41	37818	22.193	ug/l	98
49) 1,4-Dioxane	9.46	88	8030	454.807	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	212502	116.691	ug/l	99
52) Toluene	10.38	92	116314	20.102	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	63653	20.358	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	74499	19.734	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35258	21.607	ug/l	98
56) Ethyl methacrylate	10.65	69	52787	22.227	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66117	21.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143352	117.612	ug/l	99
59) 2-Hexanone	10.97	43	143195	111.131	ug/l	99
60) Dibromochloromethane	11.13	129	38259	21.050	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32771	21.557	ug/l	98
64) Tetrachloroethene	10.86	164	41007	21.513	ug/l	99
65) Chlorobenzene	11.66	112	117781	20.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	42247	20.918	ug/l	99
67) Ethyl Benzene	11.73	91	228051	20.449	ug/l	99
68) m/p-Xylenes	11.84	106	163283	40.646	ug/l	99
69) o-Xylene	12.16	106	76652	20.616	ug/l	99
70) Styrene	12.18	104	134720	20.934	ug/l	100
71) Bromoform	12.35	173	21602	21.468	ug/l #	100
73) Isopropylbenzene	12.46	105	219195	20.710	ug/l	99
74) N-amyl acetate	12.27	43	71593	22.389	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	43017	22.170	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56914	41.372	ug/l #	100
77) Bromobenzene	12.74	156	48111	21.012	ug/l	99
78) n-propylbenzene	12.80	91	265896	20.579	ug/l	99
79) 2-Chlorotoluene	12.89	91	151003	20.585	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	184651	20.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12786	20.378	ug/l	96
82) 4-Chlorotoluene	12.99	91	157299	20.479	ug/l	99
83) tert-Butylbenzene	13.21	119	157707	21.051	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	183996	20.711	ug/l	99
85) sec-Butylbenzene	13.38	105	222314	20.713	ug/l	100
86) p-Isopropyltoluene	13.50	119	199070	20.769	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92992	20.764	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	91483	20.572	ug/l	98
89) n-Butylbenzene	13.82	91	193615	20.312	ug/l	100
90) Hexachloroethane	14.09	117	34310	20.402	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	83127	21.158	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7684	23.490	ug/l	94

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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	57006	20.996	ug/l	99
94) Hexachlorobutadiene	15.23	225	38400	21.419	ug/l	98
95) Naphthalene	15.36	128	112534	23.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	51549	21.761	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

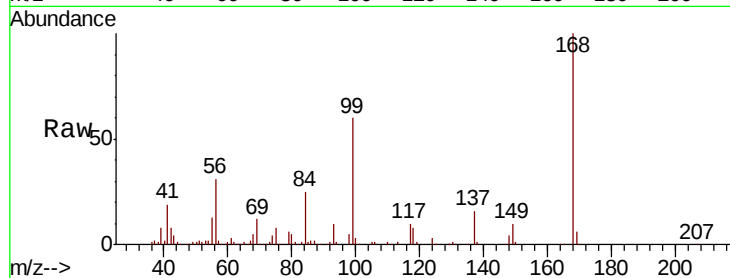
VW0829SBSD02

Tgt Ion:168 Resp: 209737

Ion Ratio Lower Upper

168 100

99 59.7 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

80000

60000

40000

20000

0

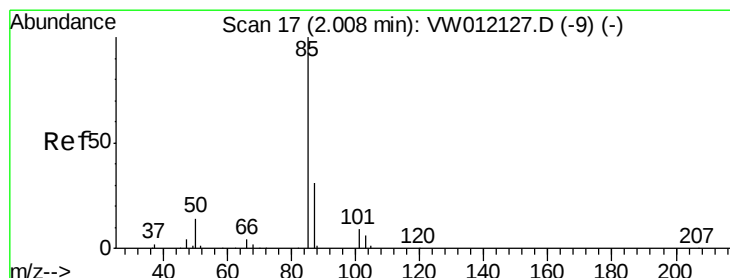
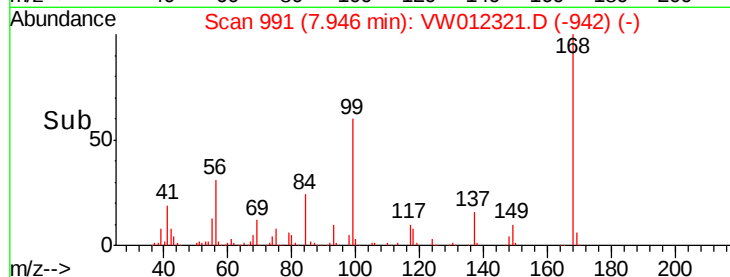
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.594 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012321.D

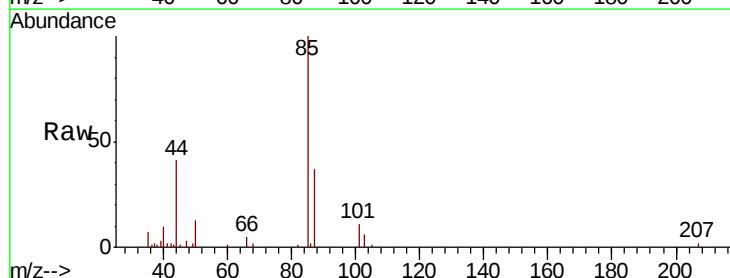
Acq: 30 Aug 2019 00:14

Tgt Ion: 85 Resp: 20139

Ion Ratio Lower Upper

85 100

87 36.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

8000

6000

4000

2000

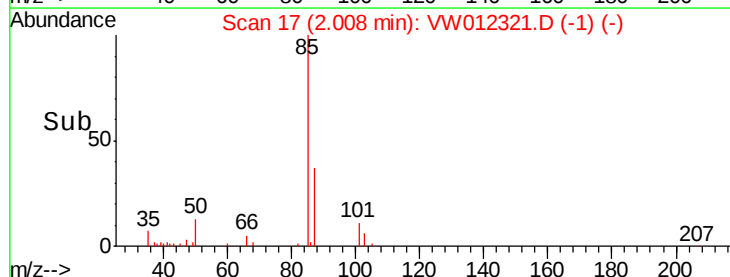
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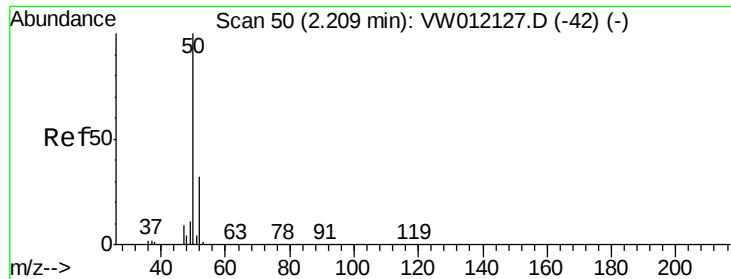
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 18.198 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

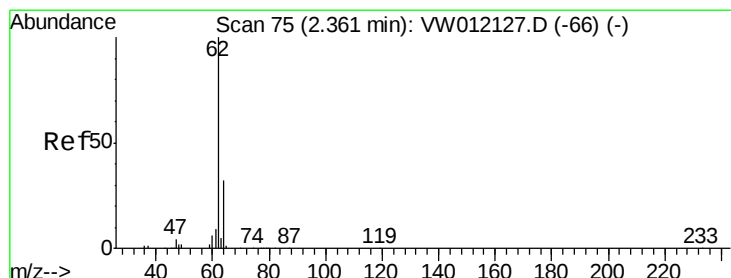
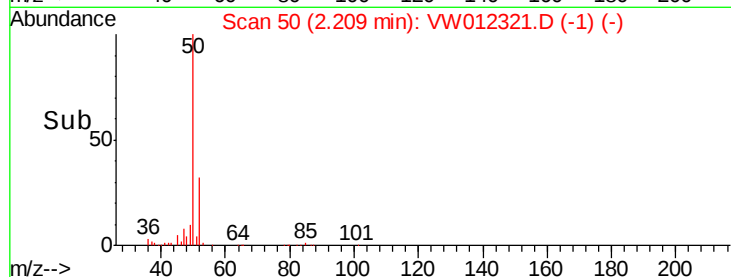
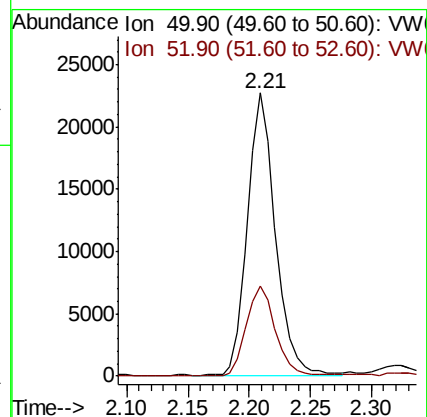
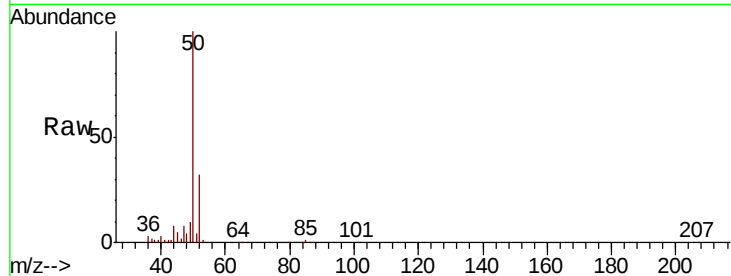
VW0829SBS02

Tgt Ion: 50 Resp: 36410

Ion Ratio Lower Upper

50 100

52 31.7 25.5 38.3



#4

Vinyl Chloride

Concen: 18.147 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012321.D

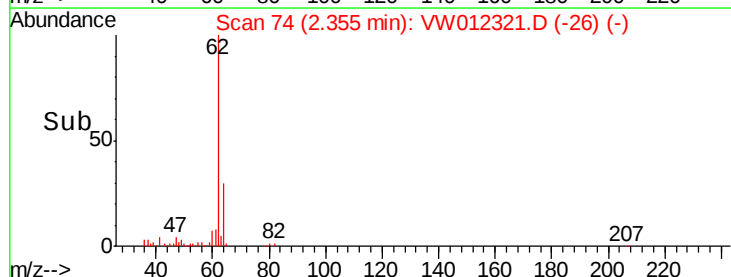
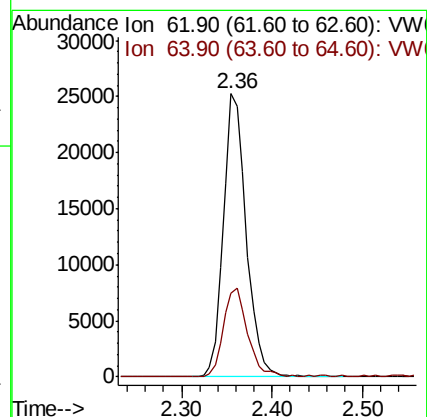
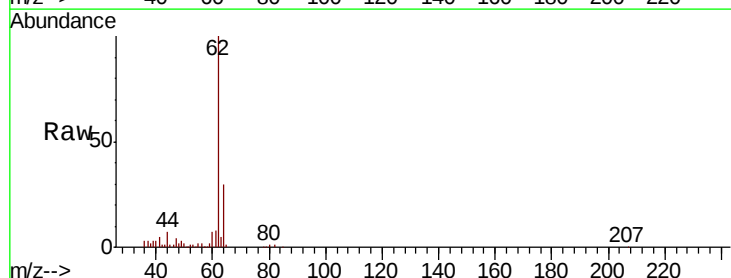
Acq: 30 Aug 2019 00:14

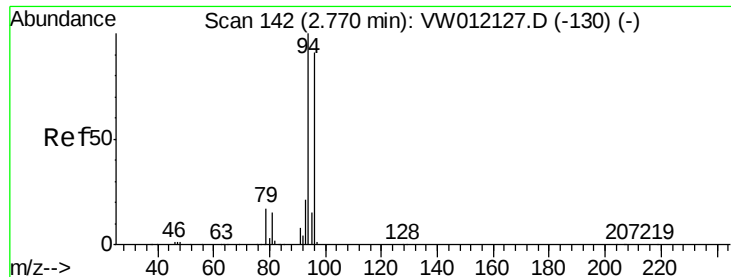
Tgt Ion: 62 Resp: 44441

Ion Ratio Lower Upper

62 100

64 29.3 25.3 37.9





#5

Bromomethane

Concen: 18.159 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

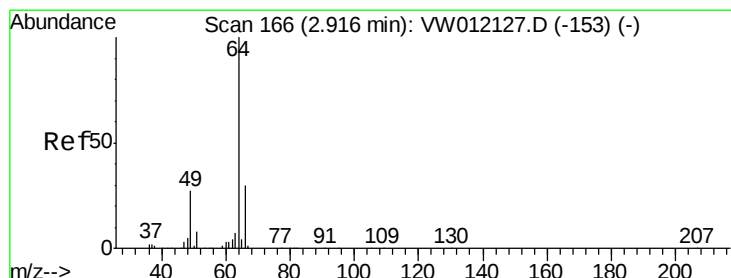
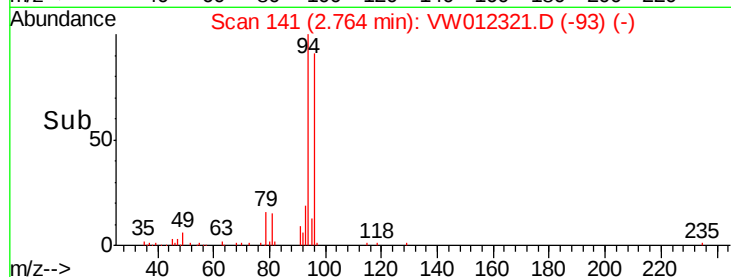
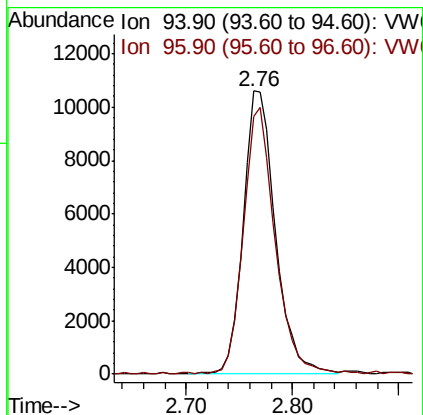
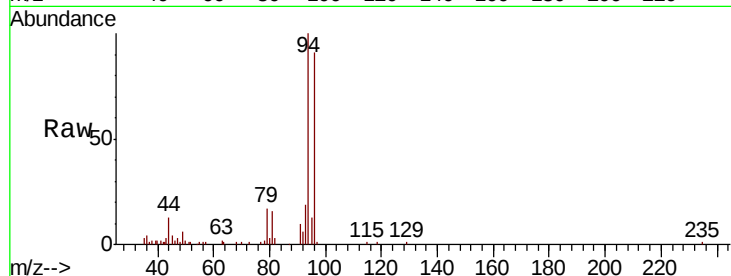
VW0829SBSD02

Tgt Ion: 94 Resp: 22521

Ion Ratio Lower Upper

94 100

96 90.3 72.9 109.3



#6

Chloroethane

Concen: 19.030 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012321.D

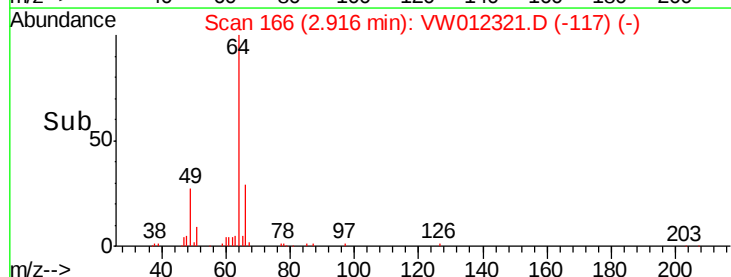
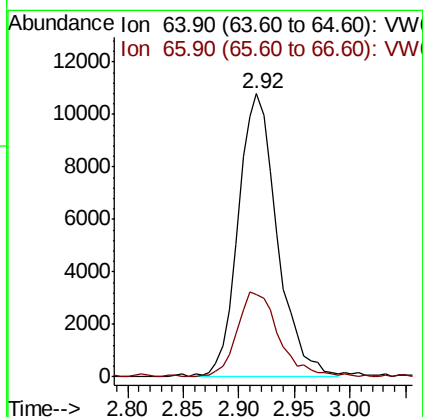
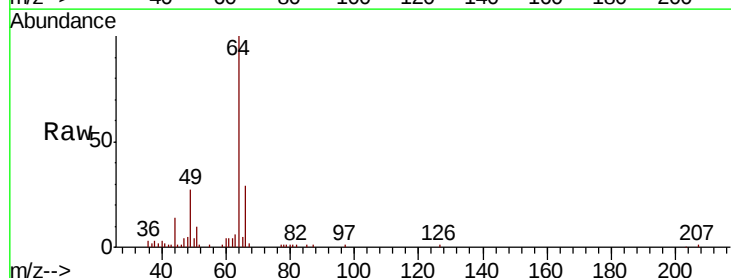
Acq: 30 Aug 2019 00:14

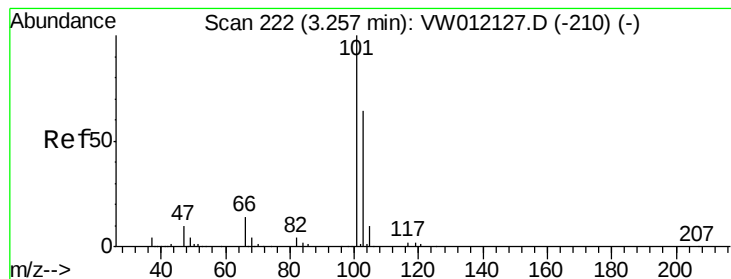
Tgt Ion: 64 Resp: 26290

Ion Ratio Lower Upper

64 100

66 28.9 23.8 35.8



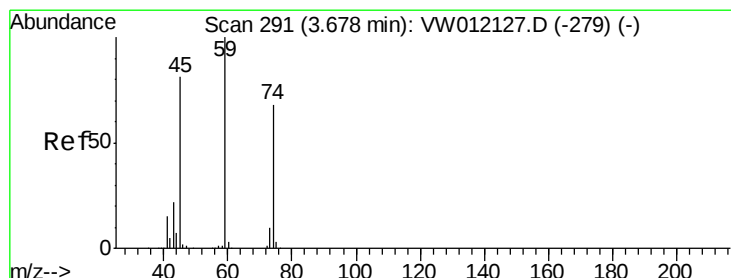
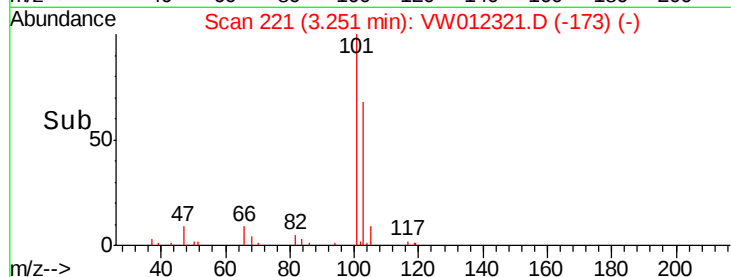
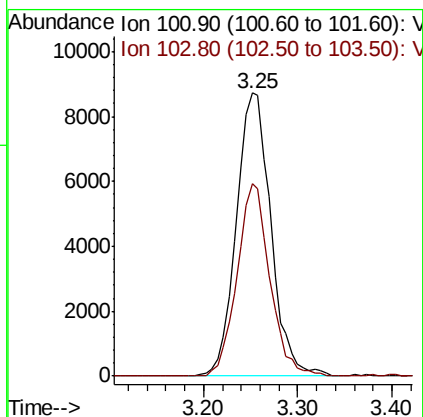
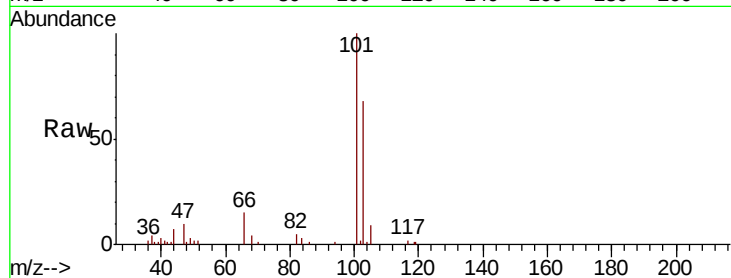


#7

Trichlorofluoromethane
 Concen: 18.070 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
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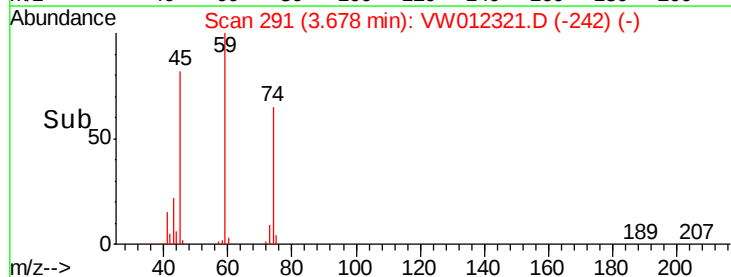
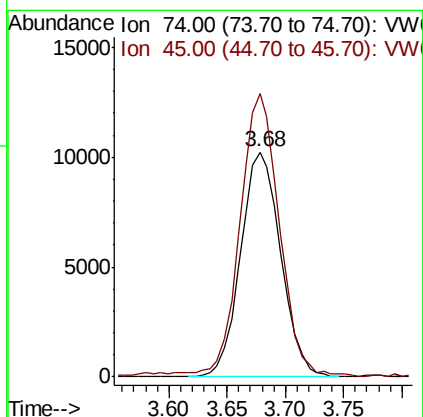
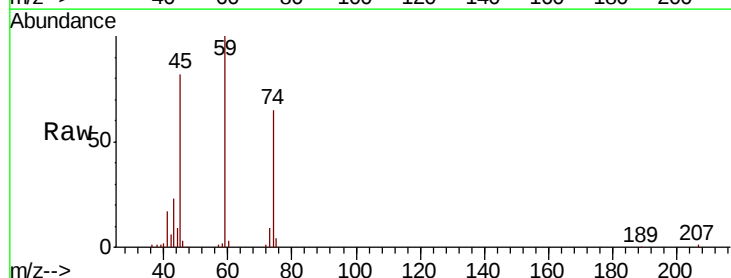
Tgt Ion:101 Resp: 22220
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.2 76.8

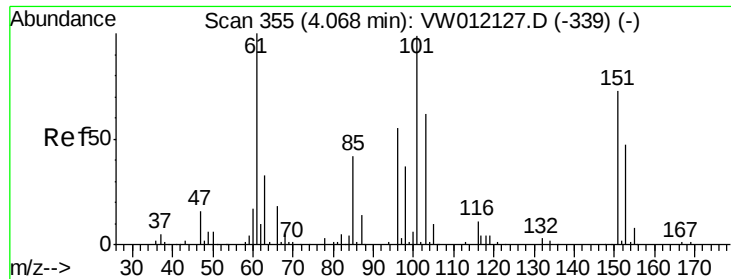


#8

Diethyl Ether
 Concen: 21.020 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 74 Resp: 24534
 Ion Ratio Lower Upper
 74 100
 45 124.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.760 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

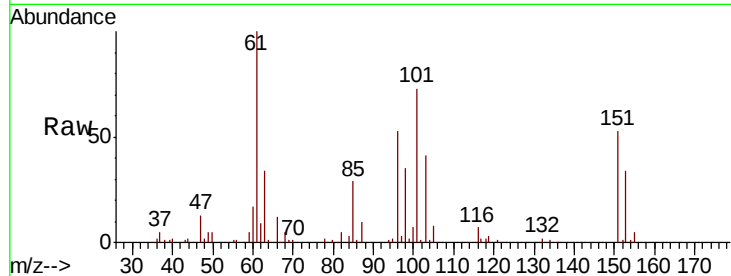
Tgt Ion:101 Resp: 41301

Ion Ratio Lower Upper

101 100

85 44.5 35.8 53.6

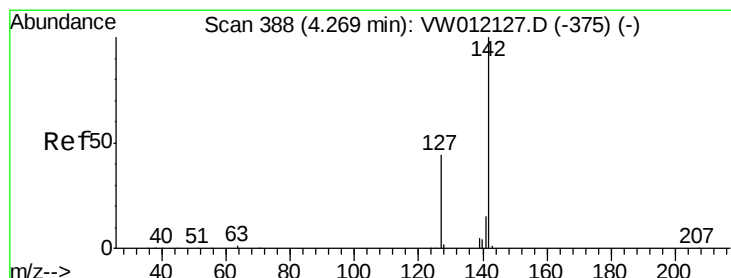
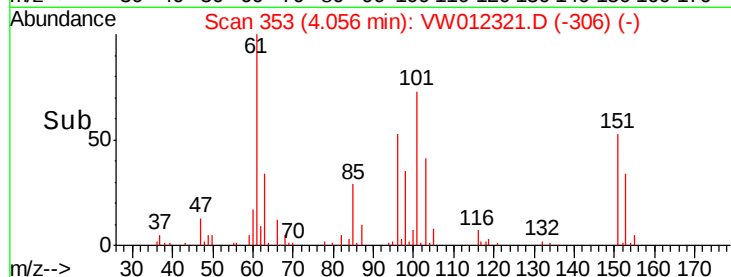
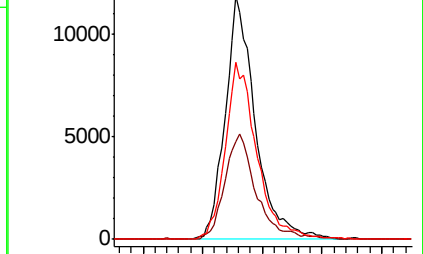
151 75.8 58.6 87.8



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: 19.138 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

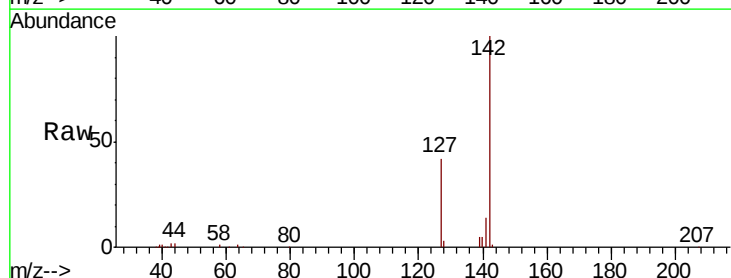
Tgt Ion:142 Resp: 54123

Ion Ratio Lower Upper

142 100

127 43.6 35.5 53.3

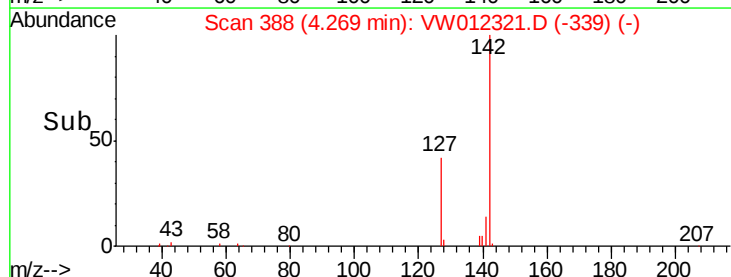
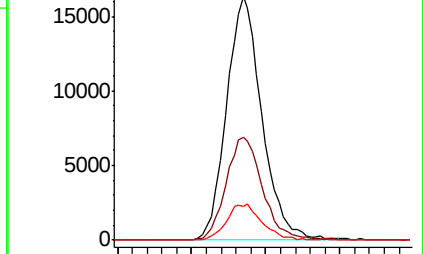
141 14.7 11.8 17.8

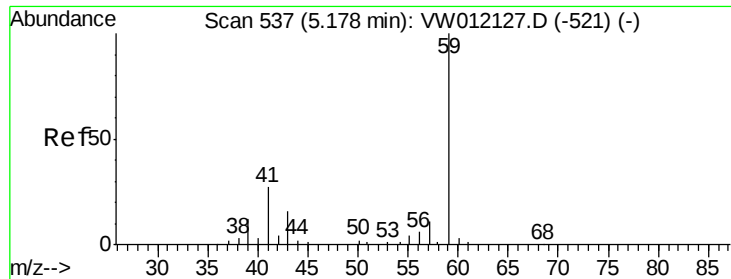


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

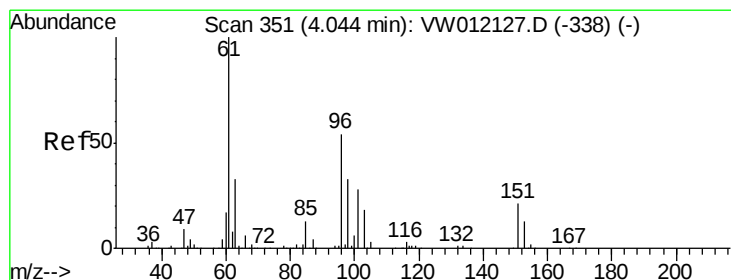
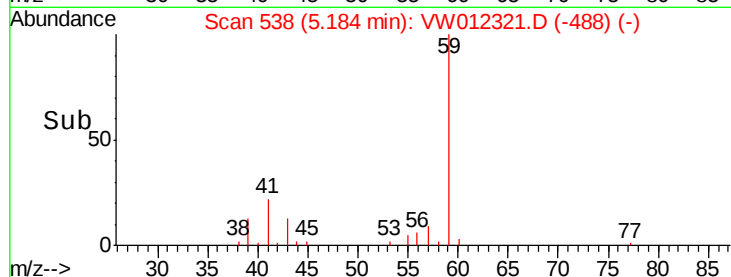
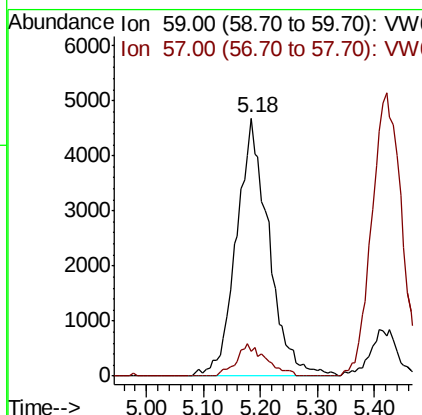
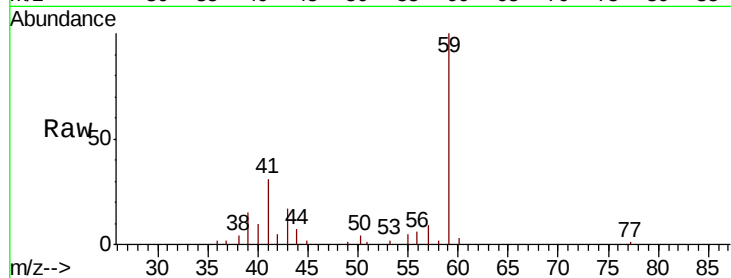




#11
Tert butyl alcohol
Concen: 123.704 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

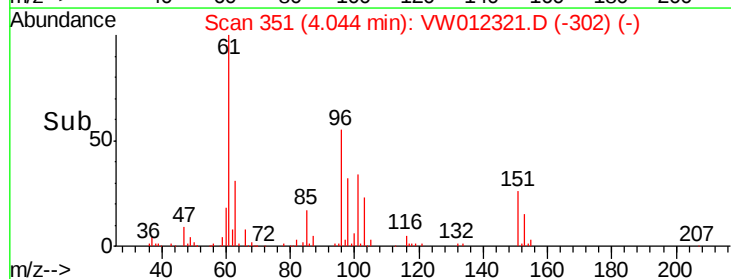
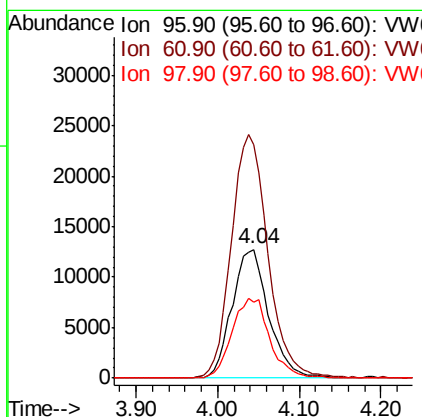
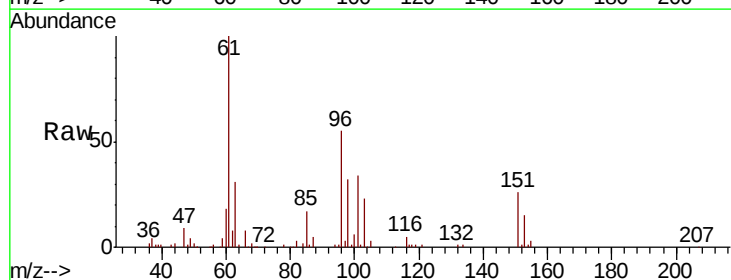
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

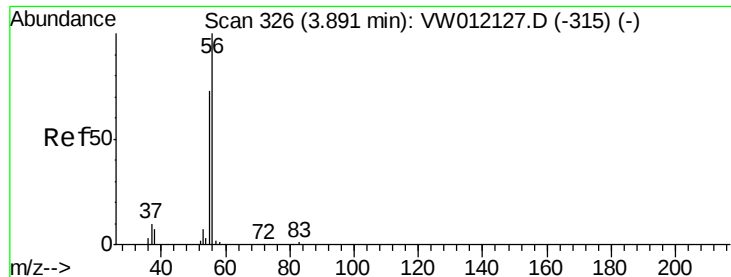
Tgt Ion: 59 Resp: 18561
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4



#12
1,1-Dichloroethene
Concen: 18.821 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 96 Resp: 39595
Ion Ratio Lower Upper
96 100
61 181.5 149.1 223.7
98 58.7 49.4 74.2





#13

Acrolein

Concen: 90.414 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

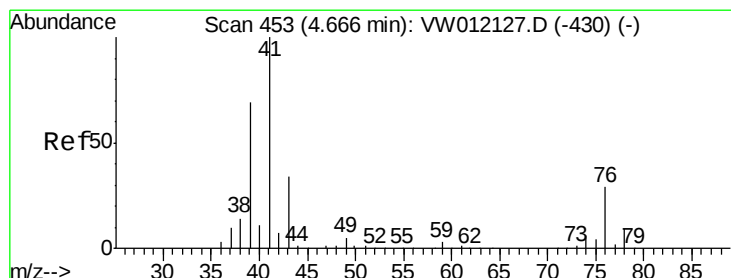
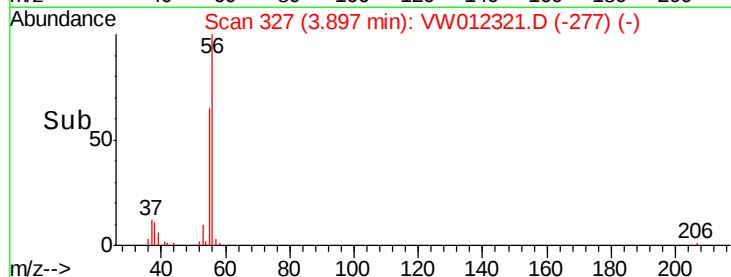
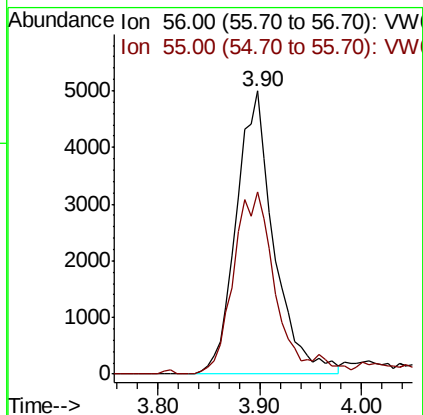
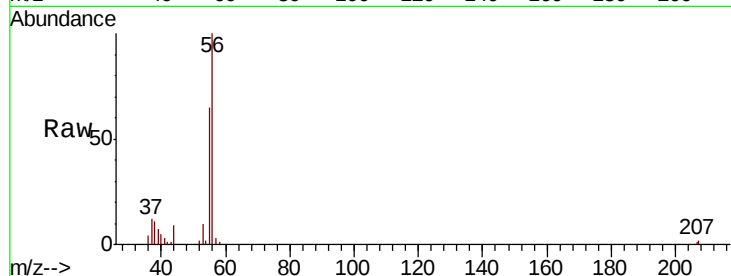
VW0829SBSD02

Tgt Ion: 56 Resp: 12770

Ion Ratio Lower Upper

56 100

55 69.5 55.8 83.8



#14

Allyl chloride

Concen: 19.873 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

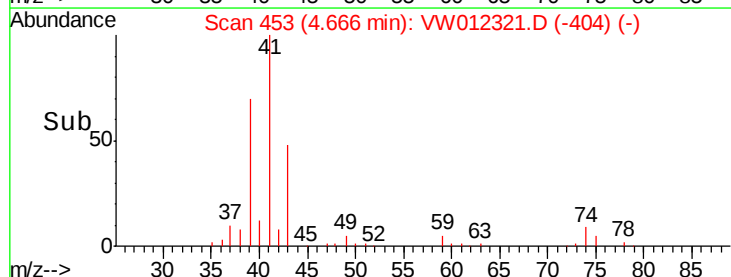
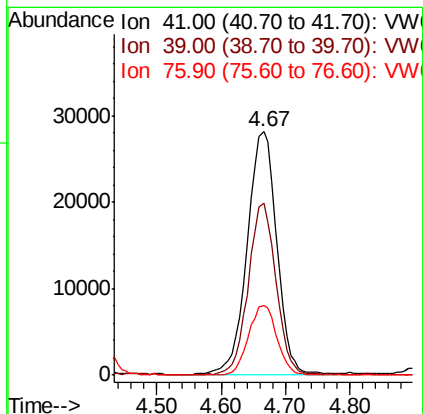
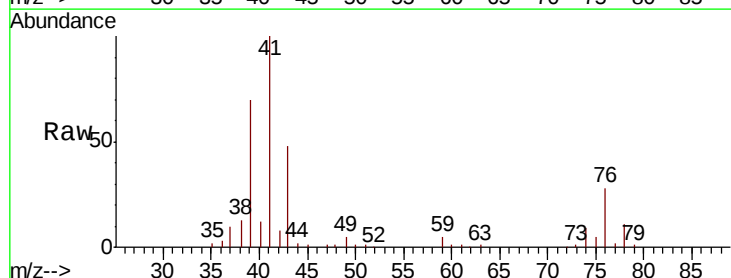
Tgt Ion: 41 Resp: 89378

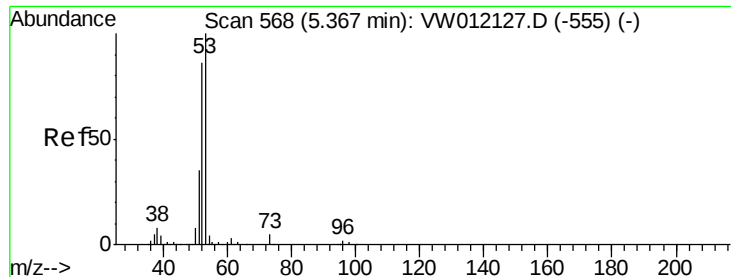
Ion Ratio Lower Upper

41 100

39 66.1 53.4 80.2

76 27.1 22.1 33.1





#15

Acrylonitrile

Concen: 118.157 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

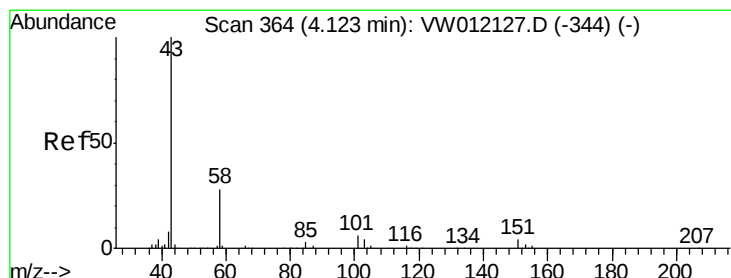
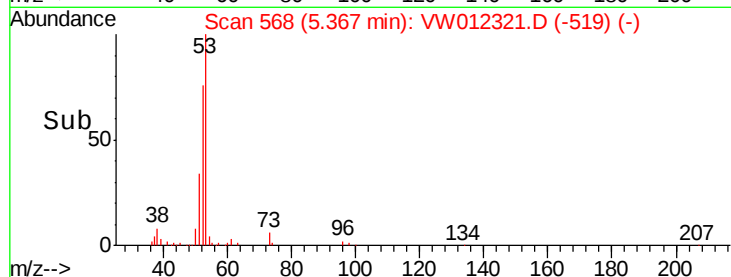
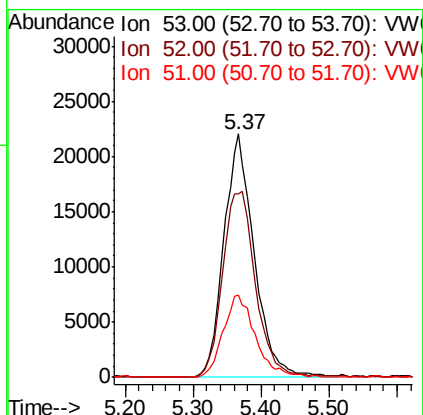
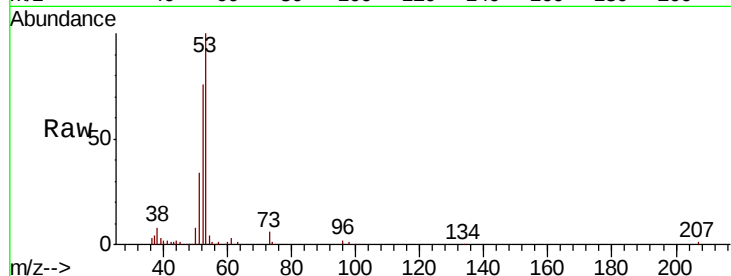
Tgt Ion: 53 Resp: 68357

Ion Ratio Lower Upper

53 100

52 82.9 66.7 100.1

51 36.2 30.1 45.1



#16

Acetone

Concen: 95.759 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012321.D

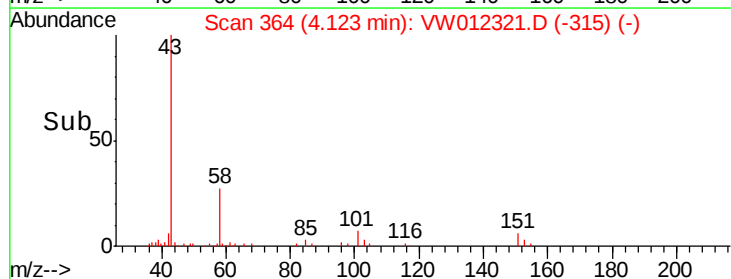
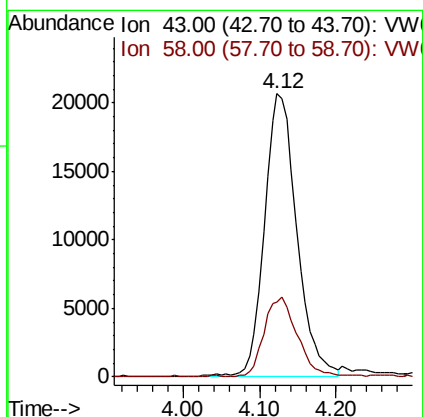
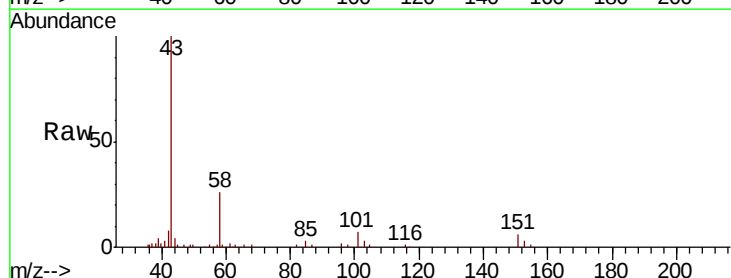
Acq: 30 Aug 2019 00:14

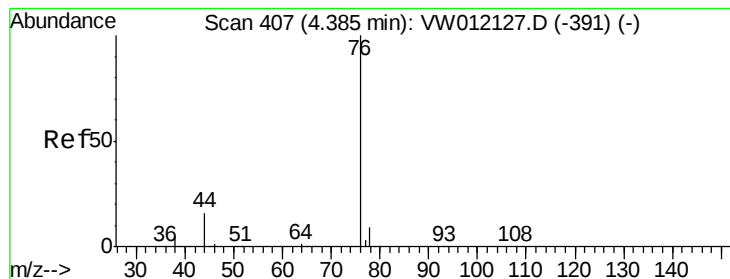
Tgt Ion: 43 Resp: 61030

Ion Ratio Lower Upper

43 100

58 26.1 22.4 33.6





#17

Carbon Disulfide

Concen: 15.860 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

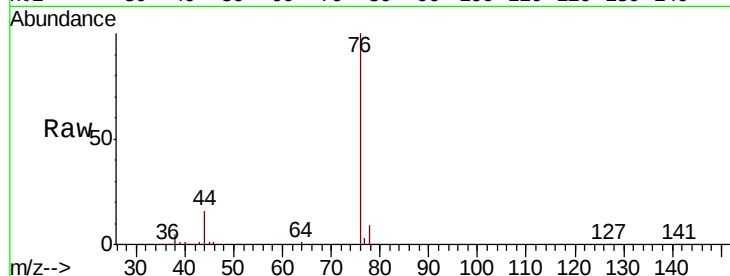
VW0829SBSD02

Tgt Ion: 76 Resp: 100839

Ion Ratio Lower Upper

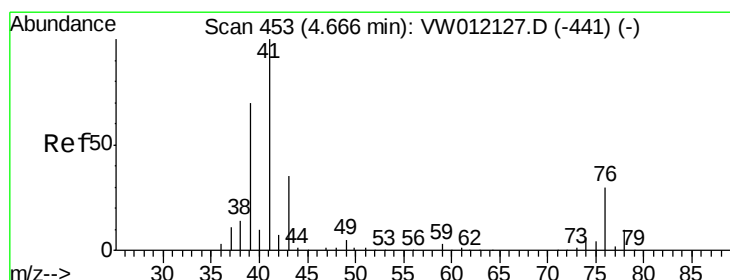
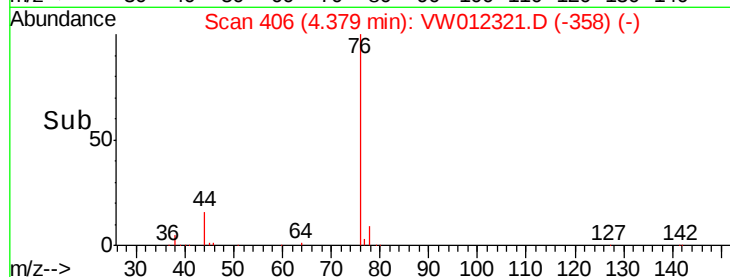
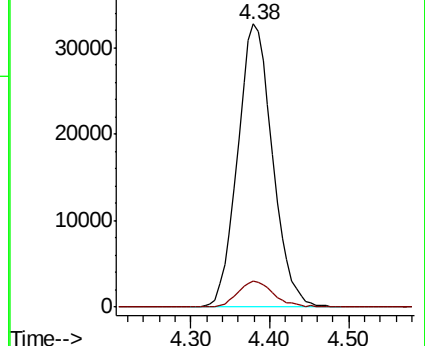
76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 26.564 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012321.D

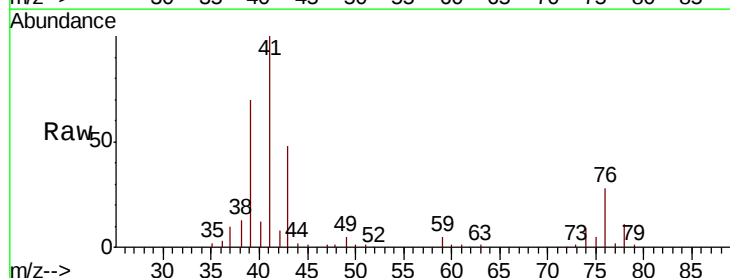
Acq: 30 Aug 2019 00:14

Tgt Ion: 43 Resp: 41933

Ion Ratio Lower Upper

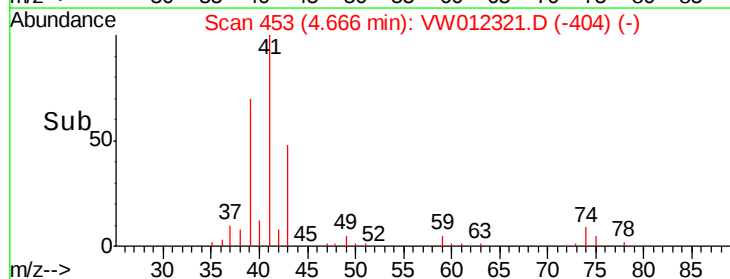
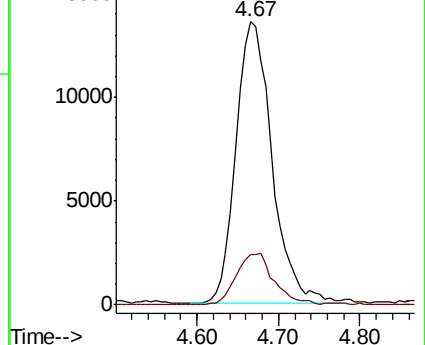
43 100

74 18.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

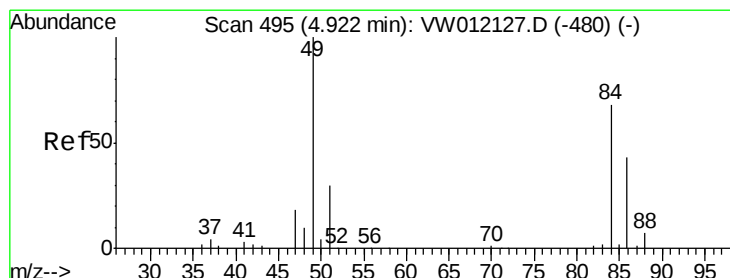
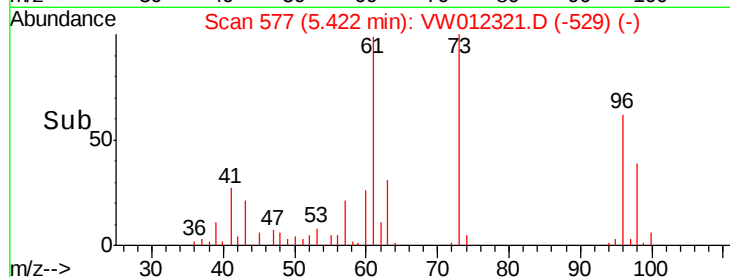
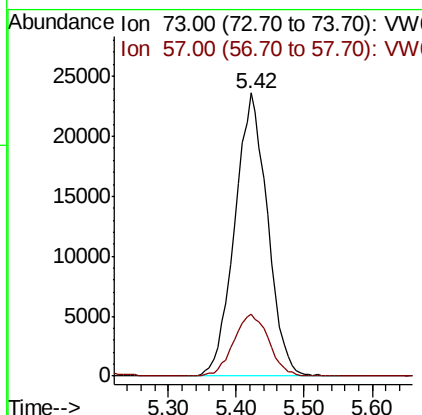
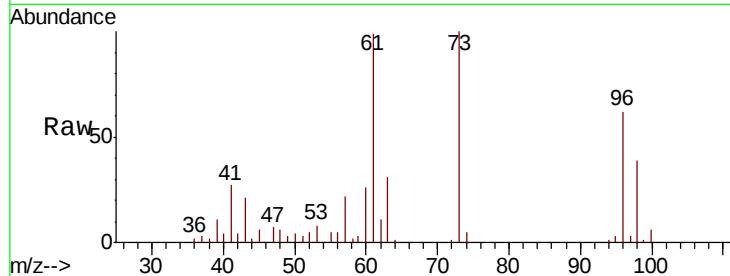




#19
Methyl tert-butyl Ether
Concen: 23.181 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

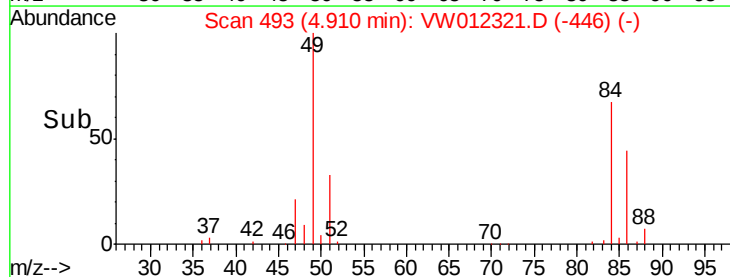
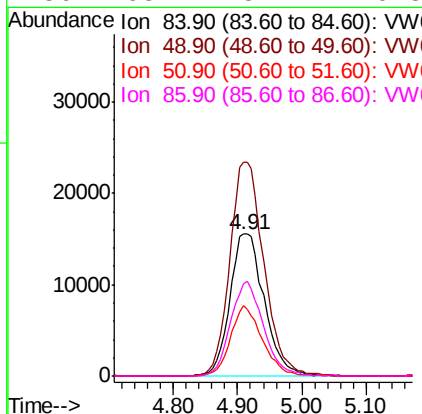
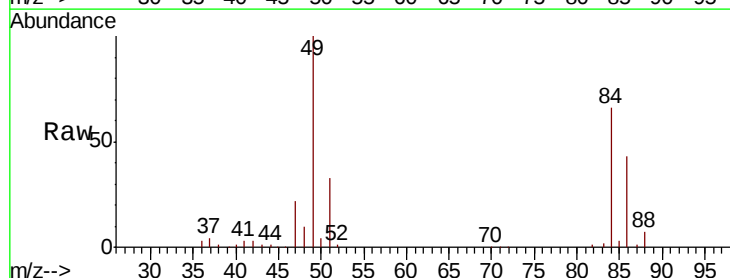
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

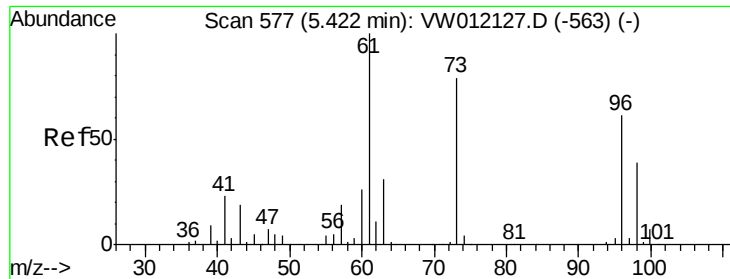
Tgt Ion: 73 Resp: 78864
Ion Ratio Lower Upper
73 100
57 21.8 18.9 28.3



#20
Methylene Chloride
Concen: 23.965 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 84 Resp: 57741
Ion Ratio Lower Upper
84 100
49 150.7 117.8 176.8
51 49.5 35.6 53.4
86 65.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.352 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

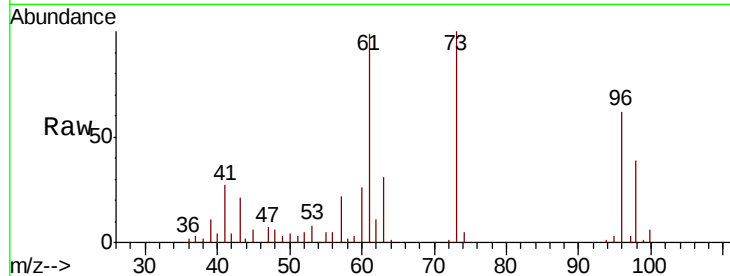
Tgt Ion: 96 Resp: 43657

Ion Ratio Lower Upper

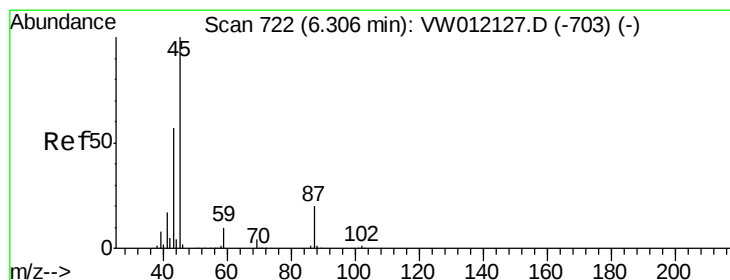
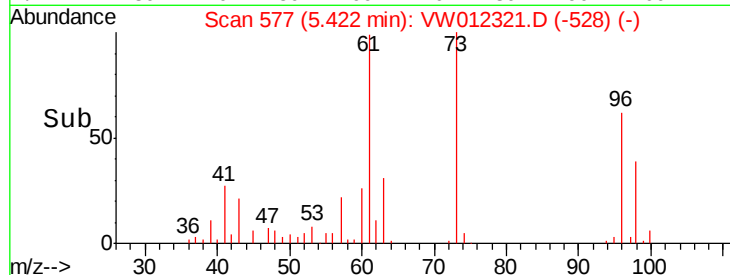
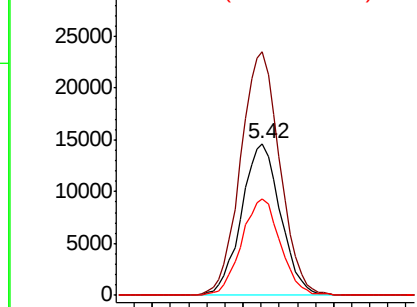
96 100

61 160.1 131.4 197.0

98 63.3 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: 21.608 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion: 45 Resp: 180133

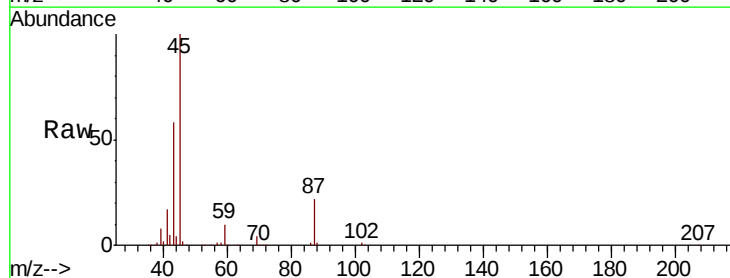
Ion Ratio Lower Upper

45 100

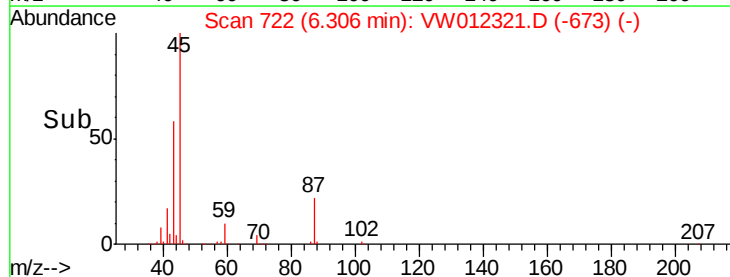
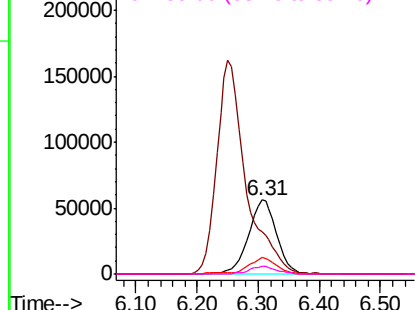
43 57.1 45.5 68.3

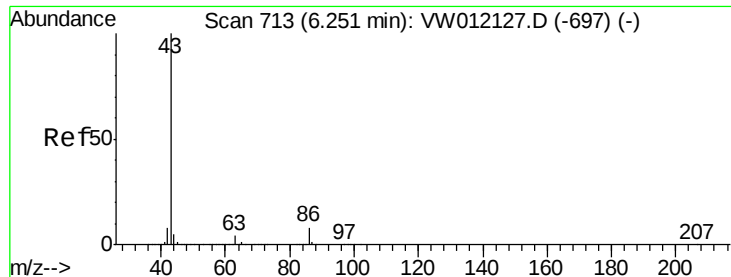
87 21.8 16.1 24.1

59 9.8 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

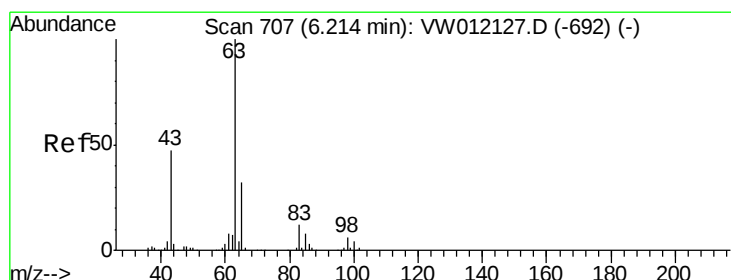
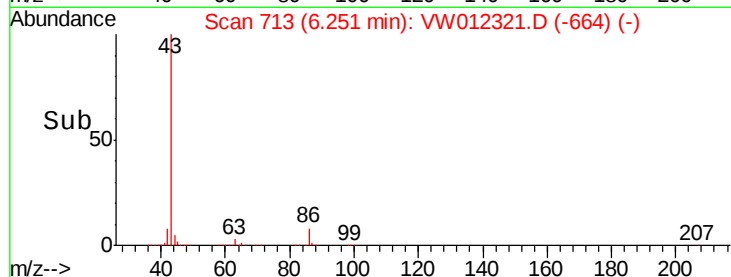
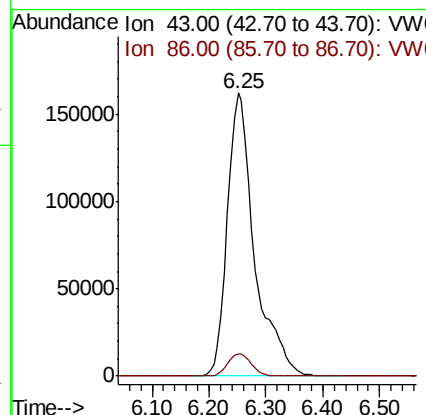
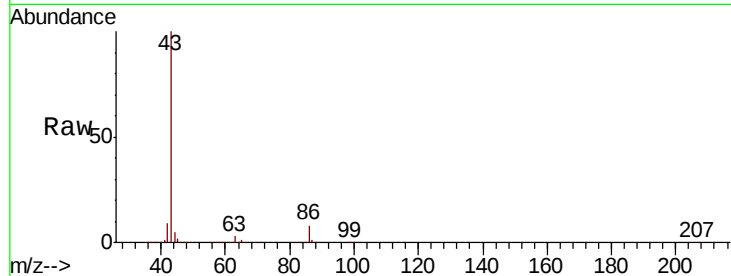




#23
 Vinyl Acetate
 Concen: 105.036 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

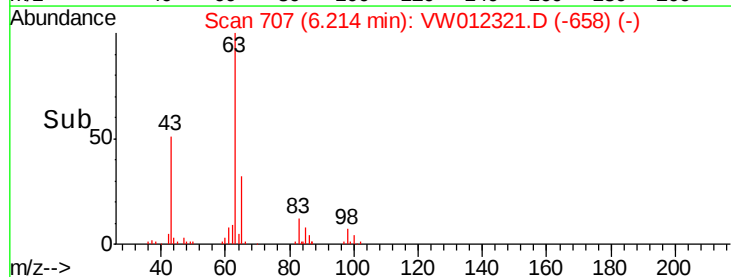
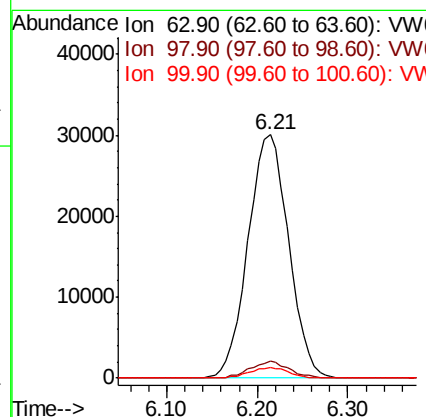
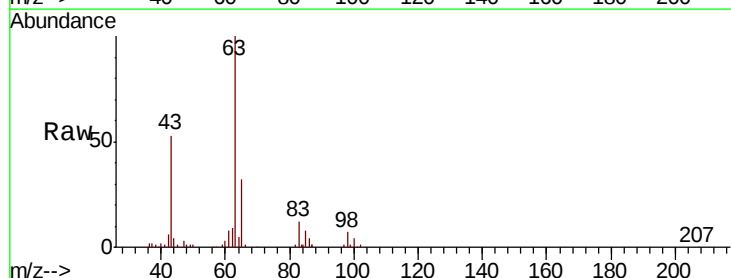
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

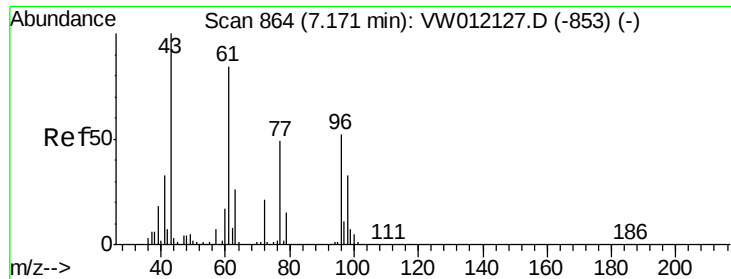
Tgt Ion: 43 Resp: 538886
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 20.535 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 63 Resp: 93212
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.0 9.2
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 109.445 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

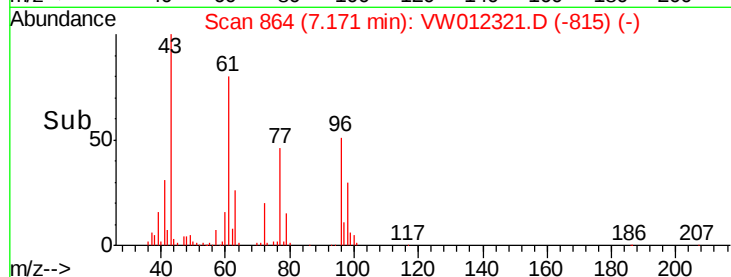
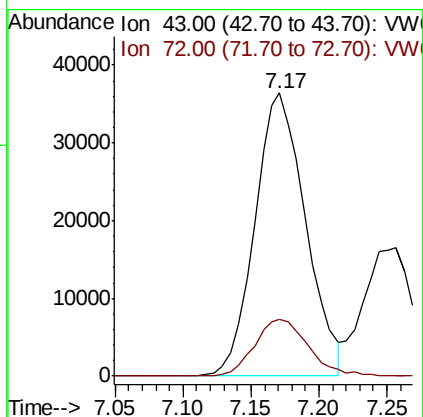
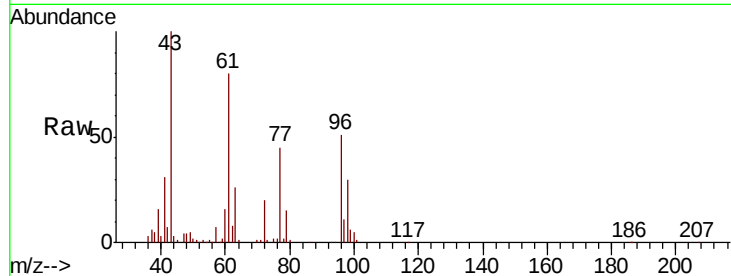
VW0829SBS02

Tgt Ion: 43 Resp: 94786

Ion Ratio Lower Upper

43 100

72 20.0 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.542 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012321.D

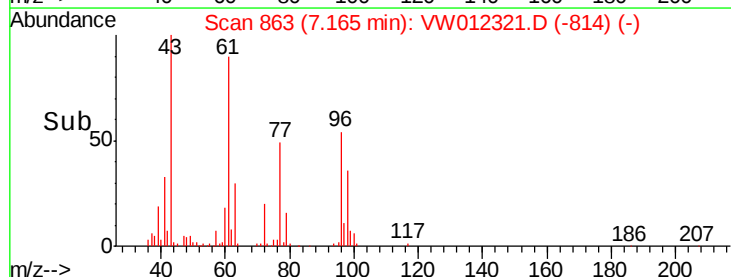
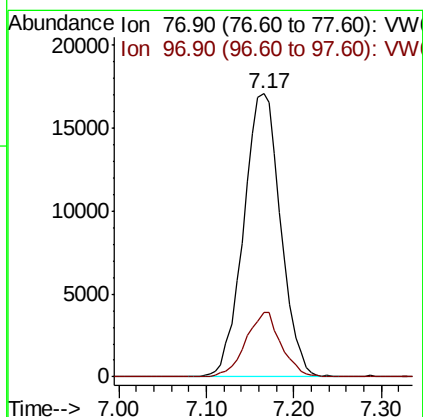
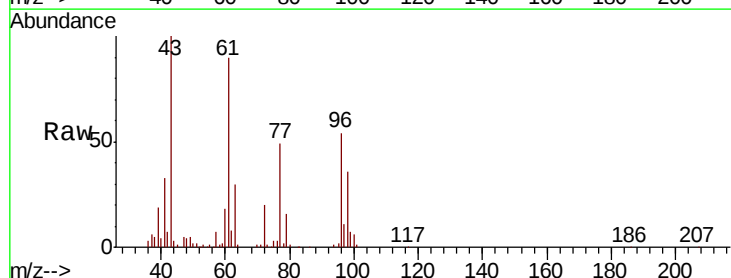
Acq: 30 Aug 2019 00:14

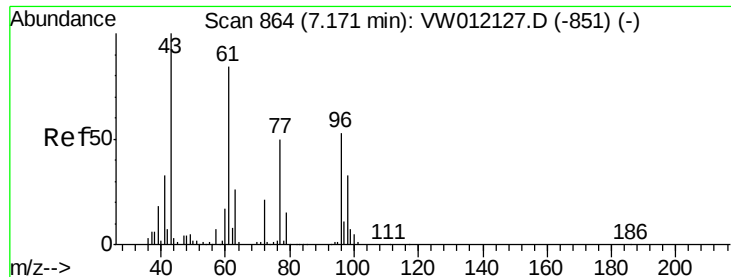
Tgt Ion: 77 Resp: 50208

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1



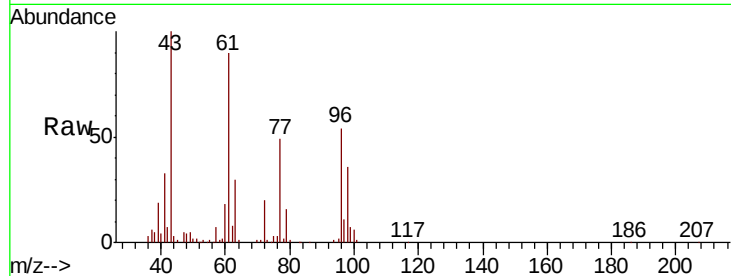


#27

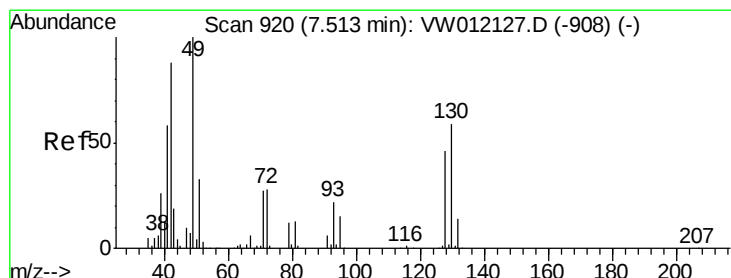
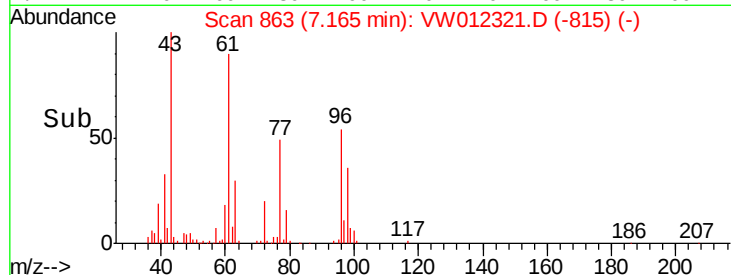
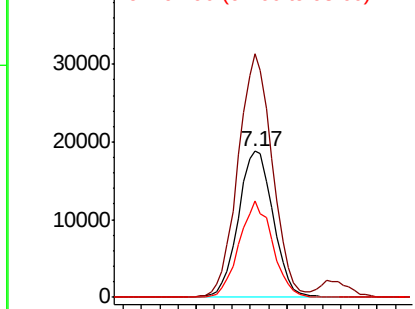
cis-1,2-Dichloroethene
 Concen: 20.821 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

Tgt Ion: 96 Resp: 50184
 Ion Ratio Lower Upper
 96 100
 61 163.3 0.0 326.6
 98 63.1 0.0 127.4



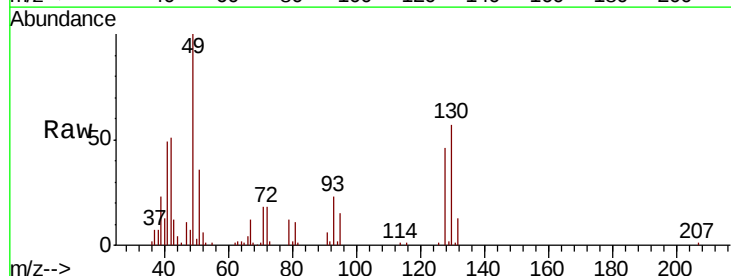
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



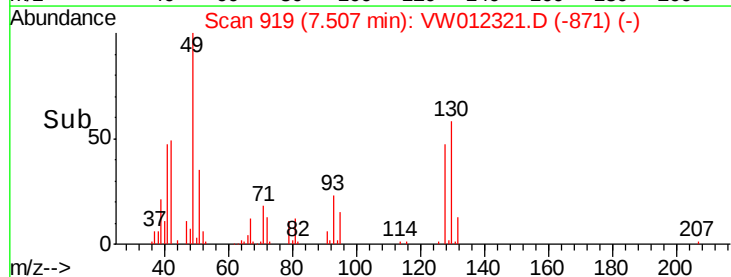
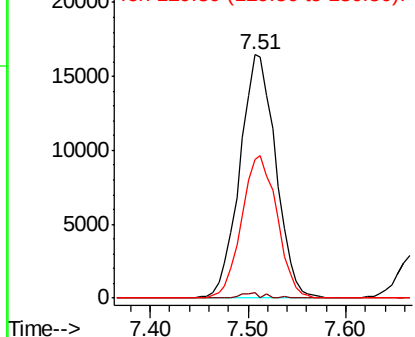
#28

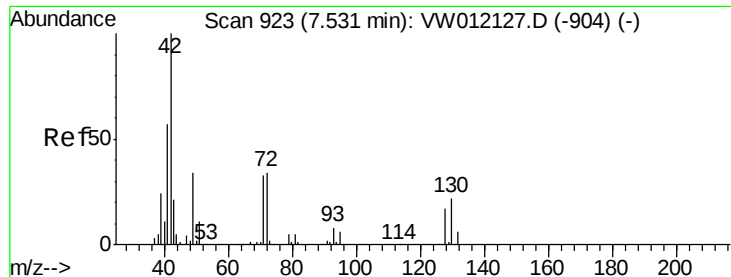
Bromochloromethane
 Concen: 21.247 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 49 Resp: 42035
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.4
 130 57.7 45.5 68.3



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

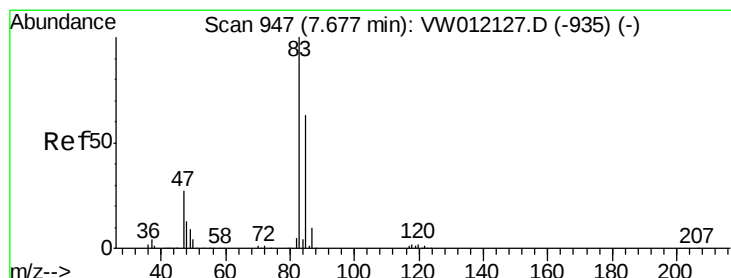
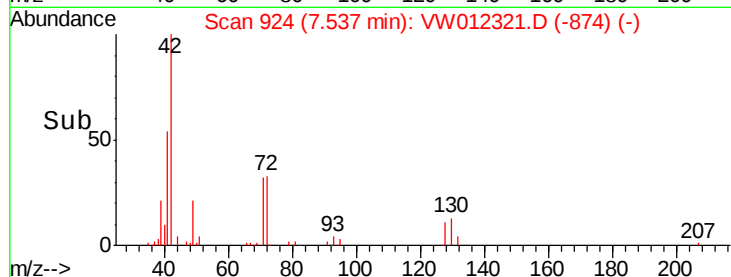
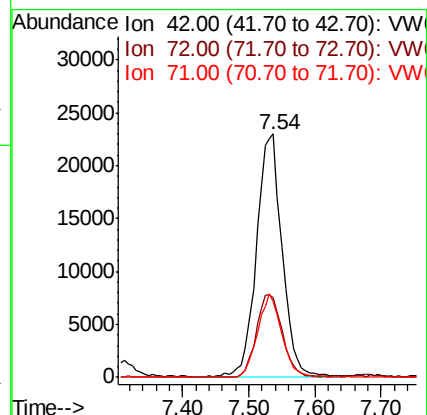
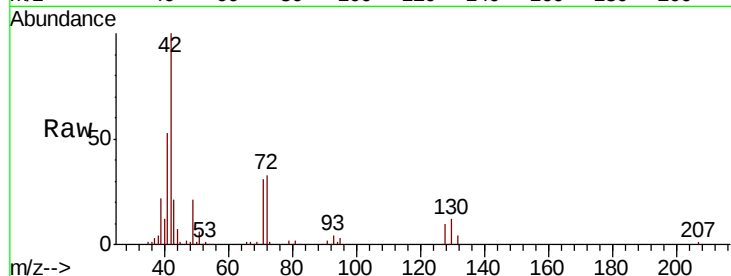




#29
Tetrahydrofuran
Concen: 120.753 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

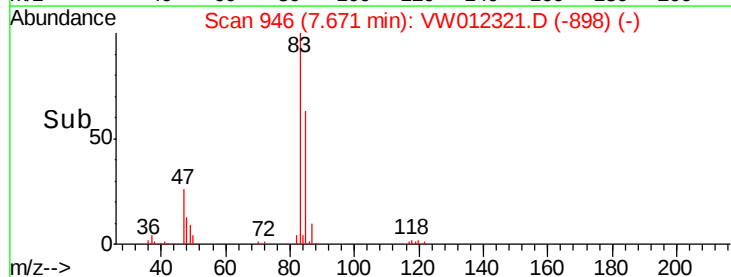
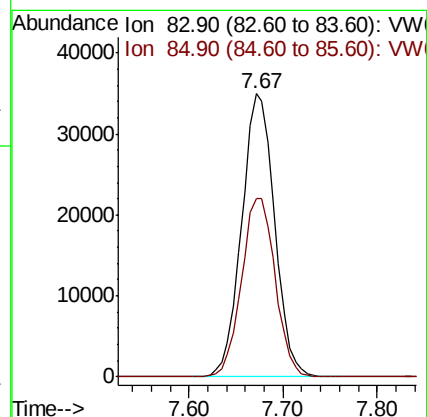
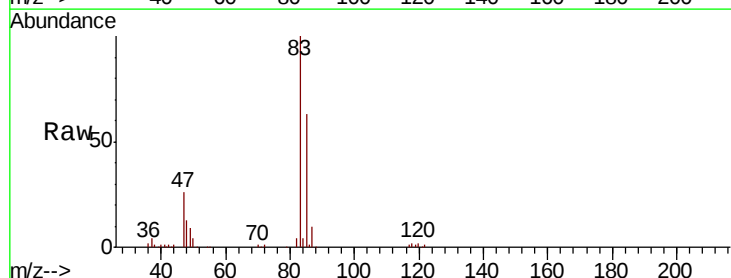
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

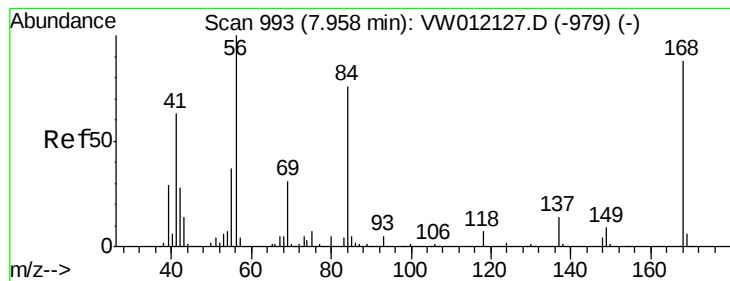
Tgt Ion: 42 Resp: 62743
Ion Ratio Lower Upper
42 100
72 34.0 27.3 40.9
71 32.0 25.5 38.3



#30
Chloroform
Concen: 20.555 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 83 Resp: 85362
Ion Ratio Lower Upper
83 100
85 63.0 50.6 76.0

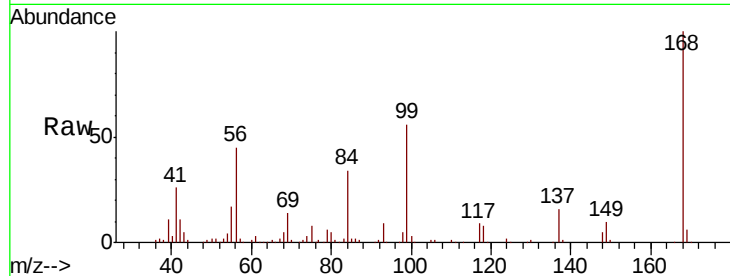




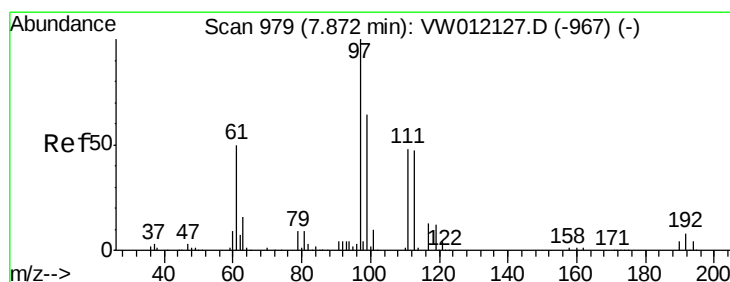
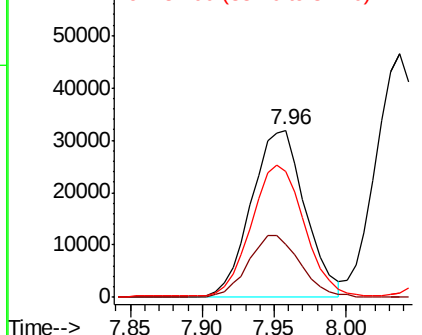
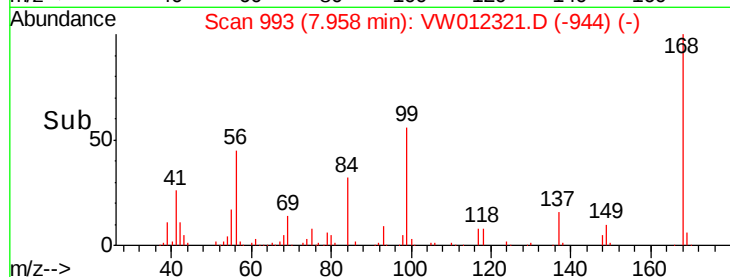
#31
Cyclohexane
Concen: 18.475 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

Tgt Ion: 56 Resp: 82967
Ion Ratio Lower Upper
56 100
69 31.6 24.9 37.3
84 74.3 60.6 90.8

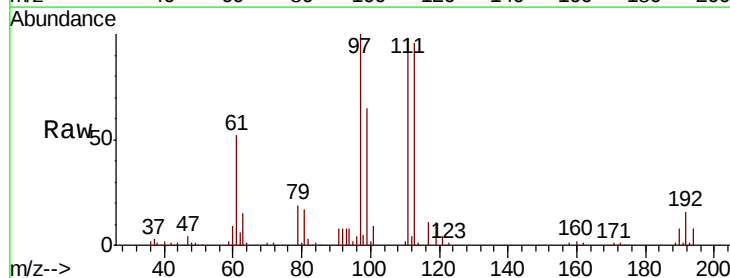


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

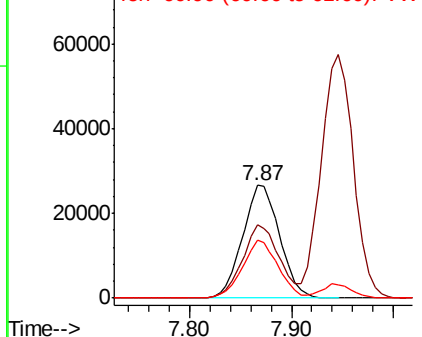
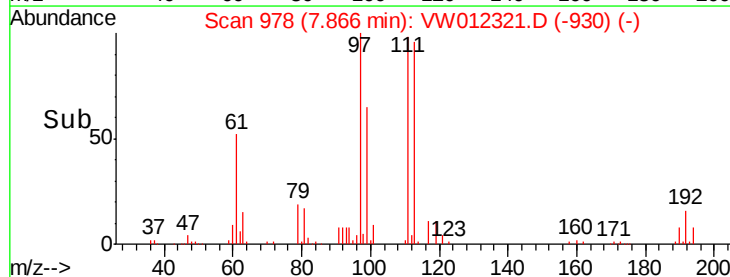


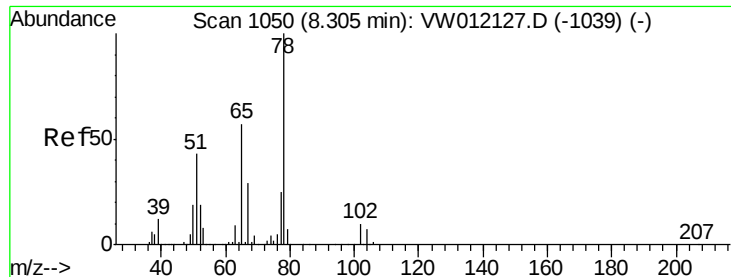
#32
1,1,1-Trichloroethane
Concen: 20.420 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 97 Resp: 67084
Ion Ratio Lower Upper
97 100
99 65.7 51.4 77.0
61 49.7 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

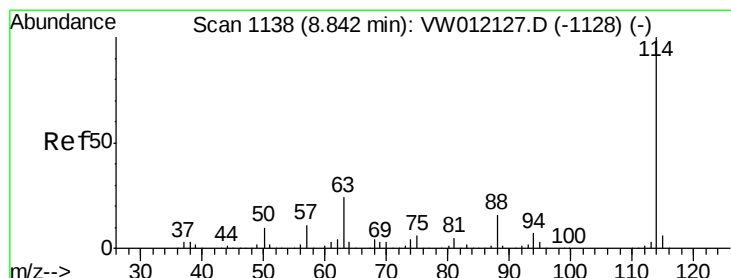
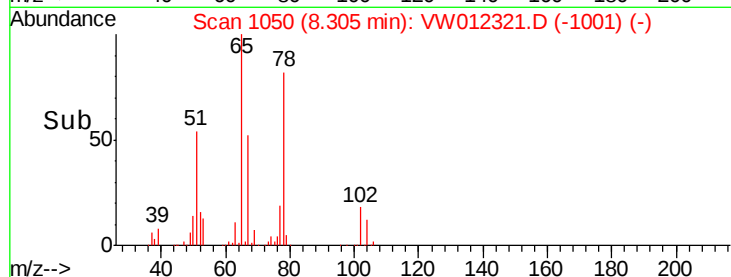
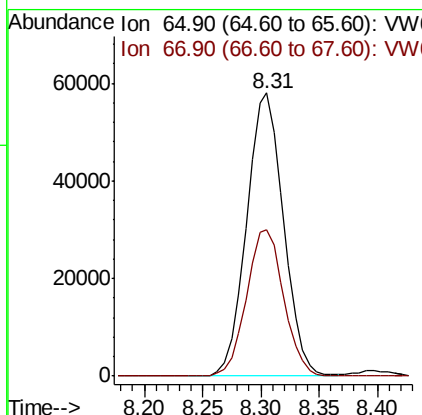
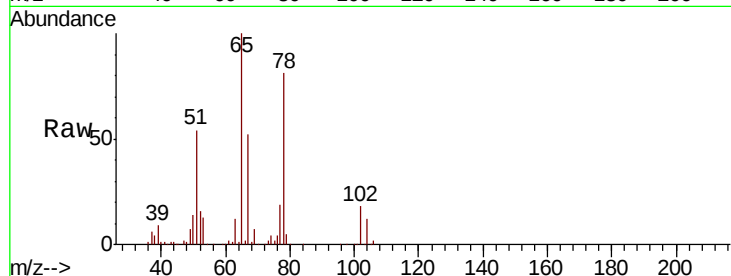




#33
 1,2-Dichloroethane-d4
 Concen: 51.082 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

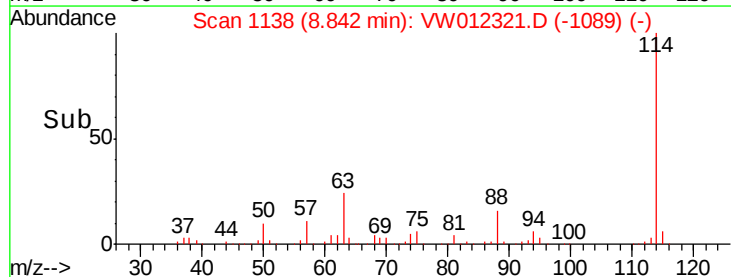
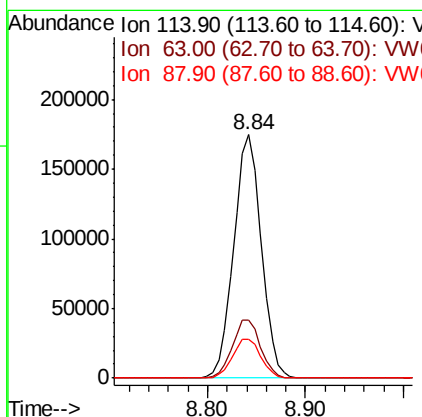
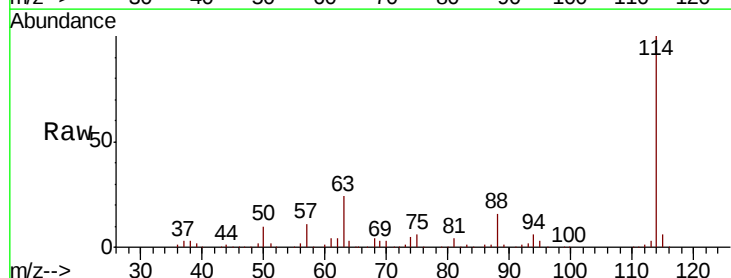
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

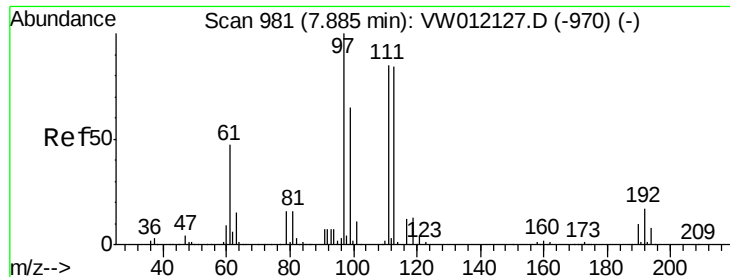
Tgt Ion: 65 Resp: 127361
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 114 Resp: 341332
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 16.0 0.0 32.2

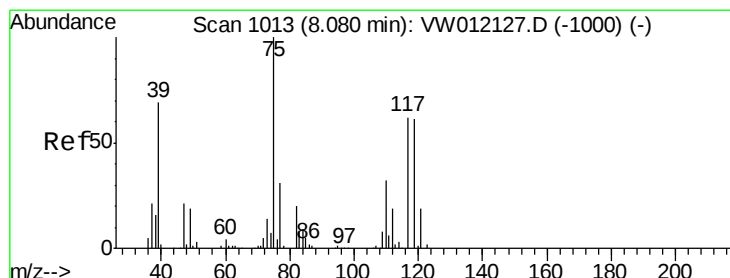
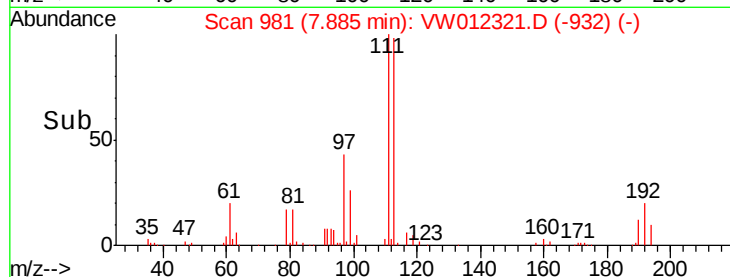
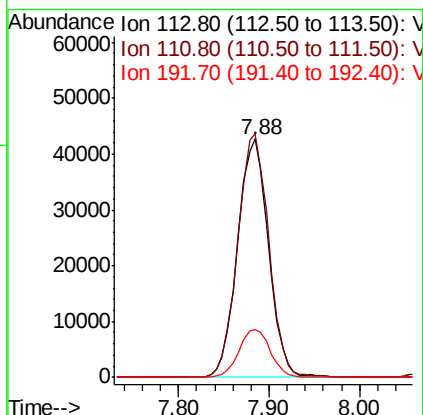
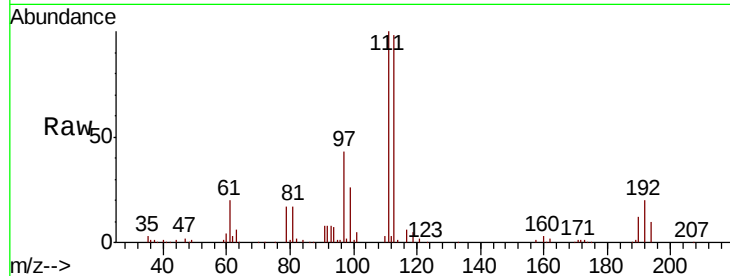




#35
 Dibromofluoromethane
 Concen: 49.617 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

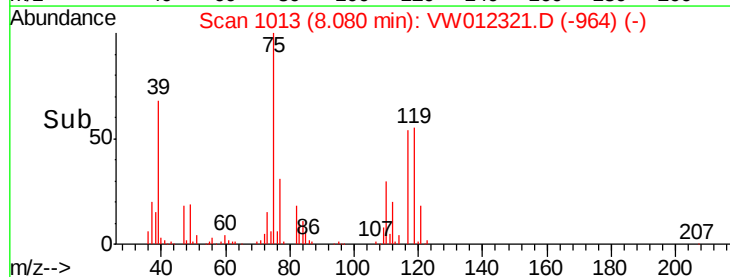
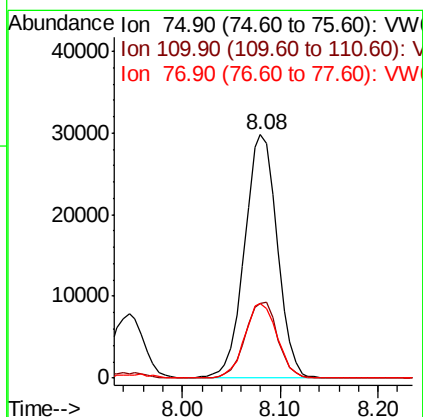
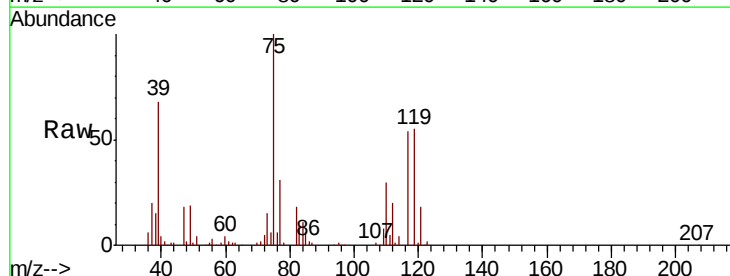
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

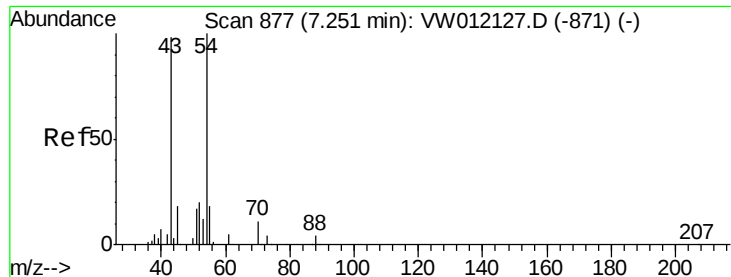
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 19.700 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.6	46.8
77	30.5	24.6	36.8

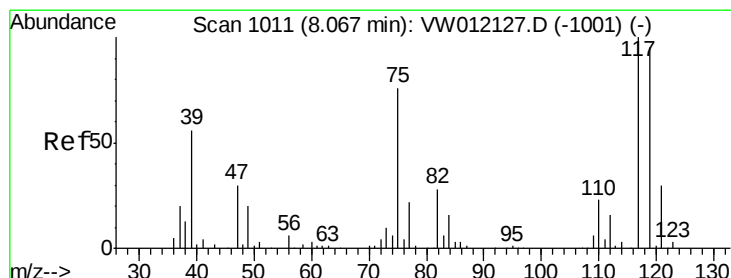
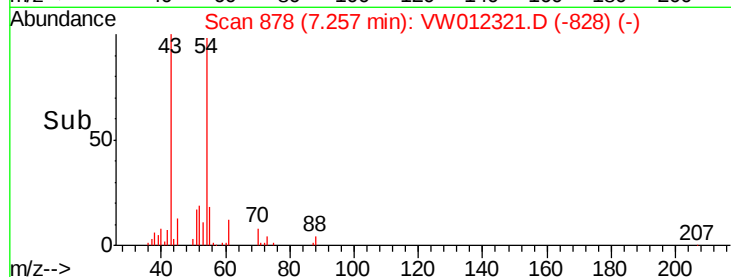
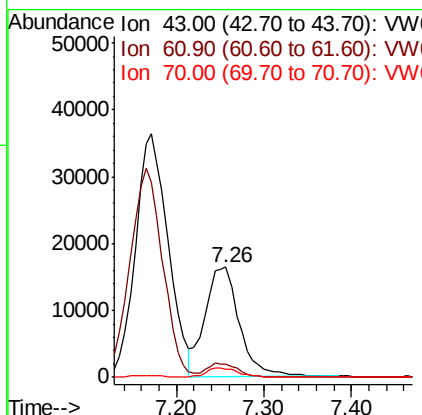
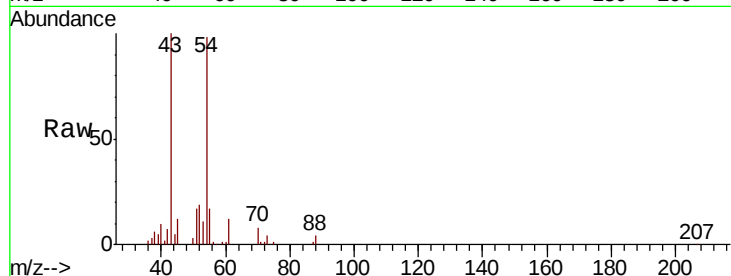




#37
Ethyl Acetate
Concen: 23.305 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

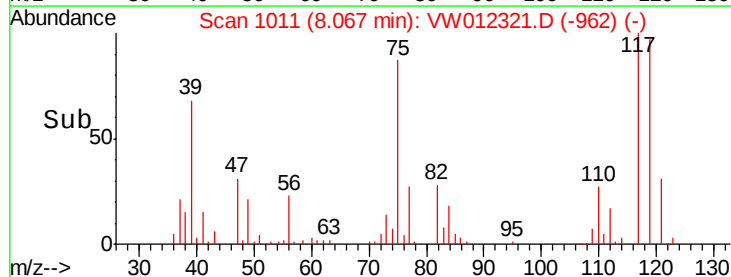
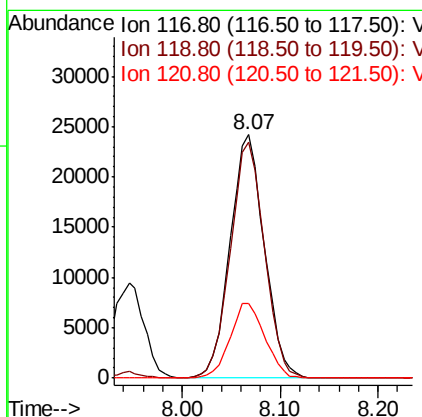
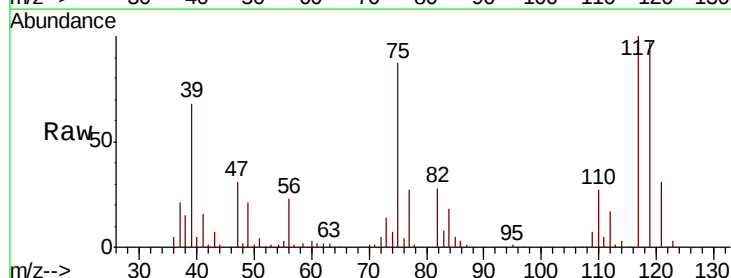
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

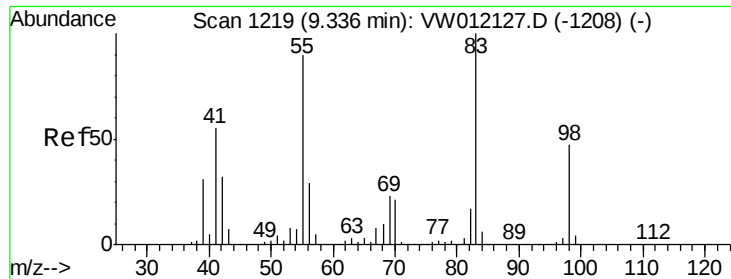
Tgt Ion: 43 Resp: 45047
Ion Ratio Lower Upper
43 100
61 11.9 9.2 13.8
70 8.2 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.229 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 117 Resp: 58704
Ion Ratio Lower Upper
117 100
119 96.8 76.2 114.2
121 30.9 23.8 35.8

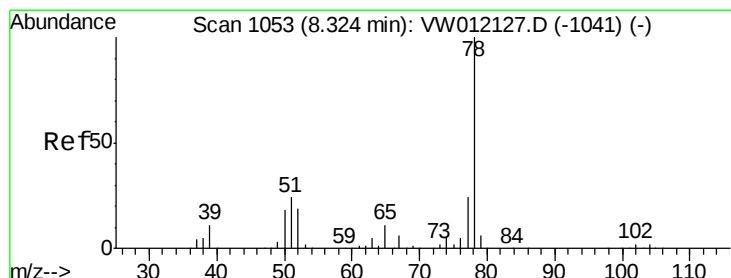
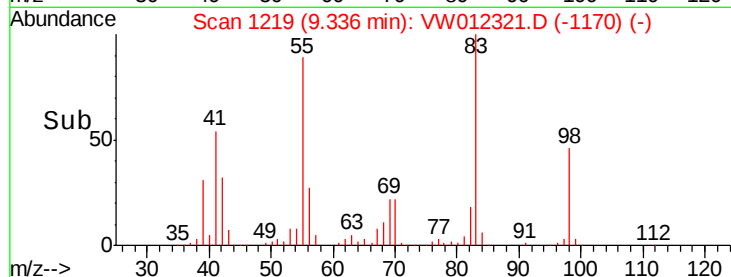
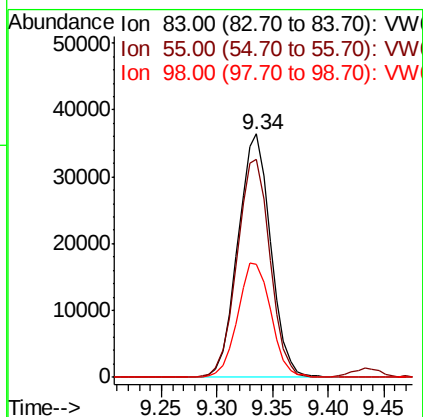
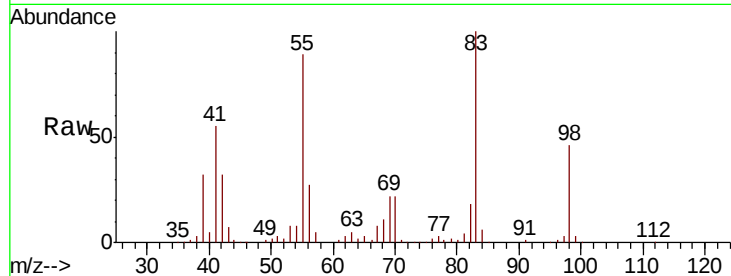




#39
Methylcyclohexane
Concen: 18.742 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

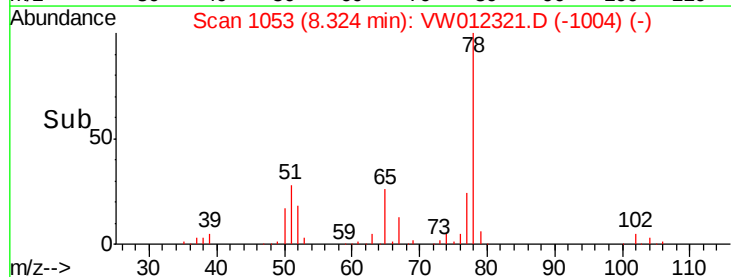
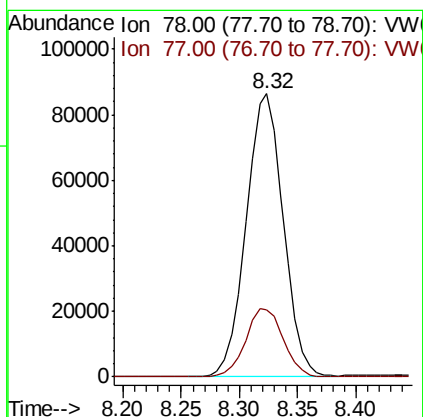
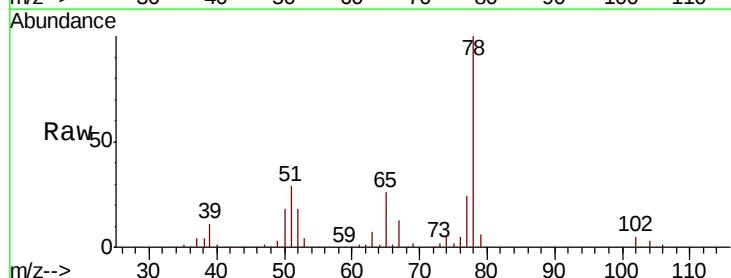
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

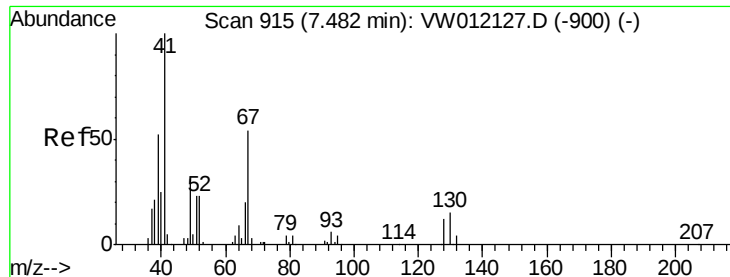
Tgt Ion: 83 Resp: 74269
Ion Ratio Lower Upper
83 100
55 89.3 71.8 107.8
98 46.3 37.8 56.8



#40
Benzene
Concen: 19.976 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 78 Resp: 192403
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3

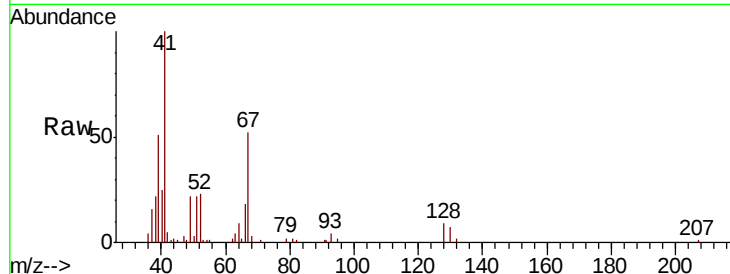




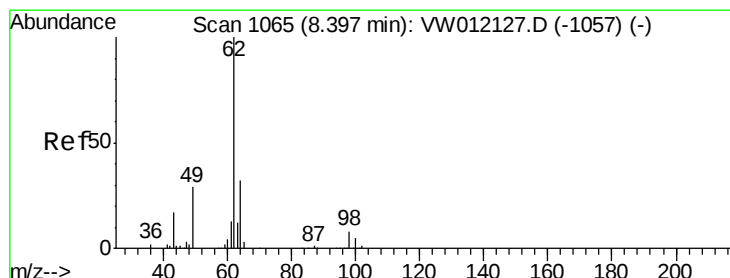
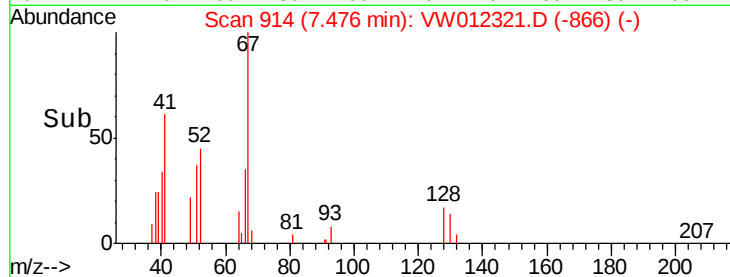
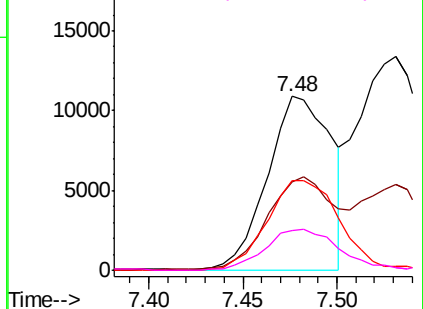
#41
Methacrylonitrile
Concen: 22.695 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

Tgt Ion:	41	Resp:	25782
Ion	Ratio	Lower	Upper
41	100		
39	59.1	45.8	68.8
67	58.6	46.2	69.4
52	27.9	21.0	31.6

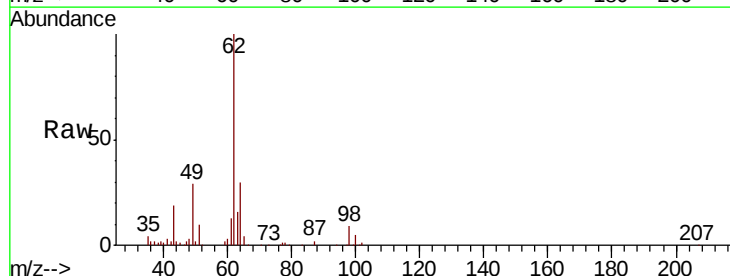


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

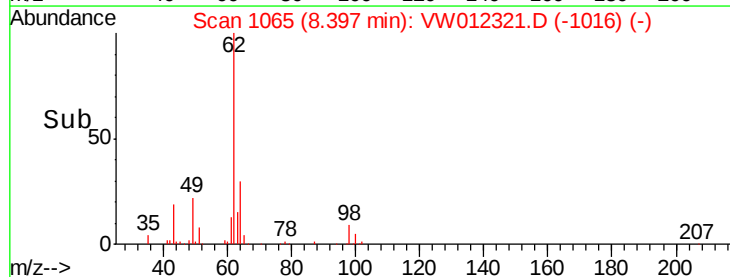
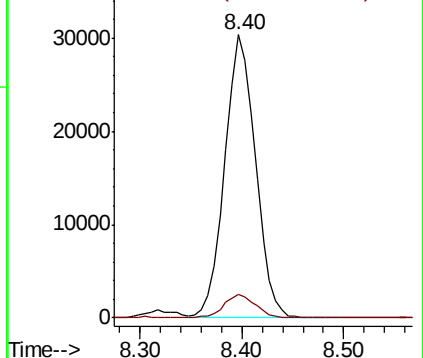


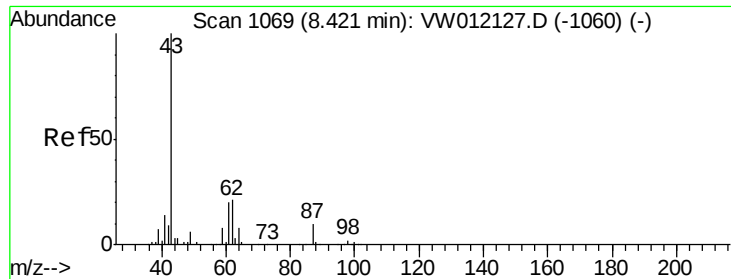
#42
1,2-Dichloroethane
Concen: 21.024 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion:	62	Resp:	63463
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 22.395 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

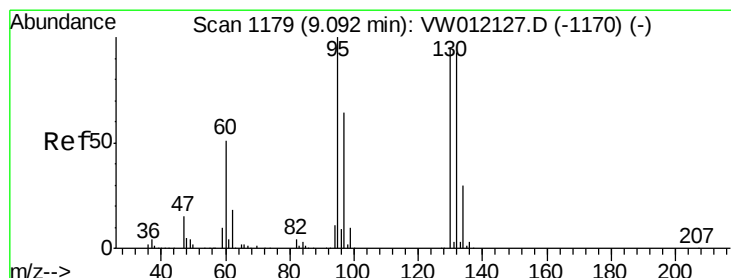
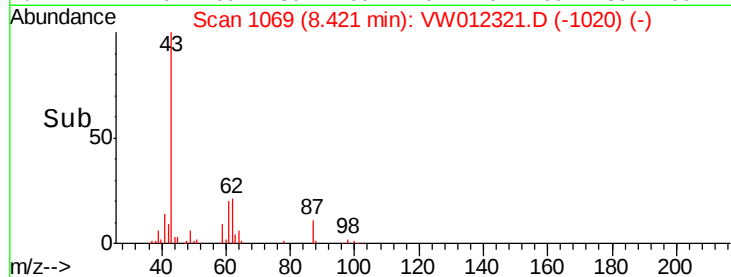
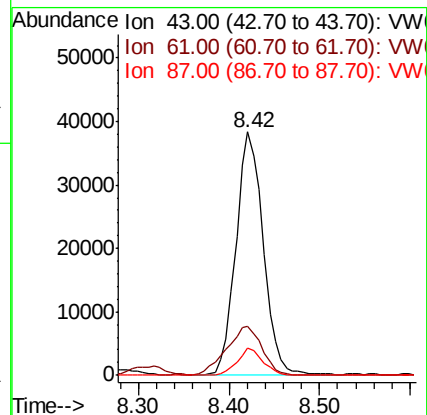
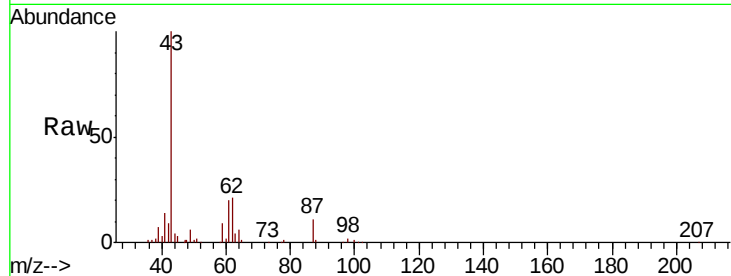
Tgt Ion: 43 Resp: 80181

Ion Ratio Lower Upper

43 100

61 26.0 21.1 31.7

87 10.4 8.2 12.2



#44

Trichloroethene

Concen: 20.107 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012321.D

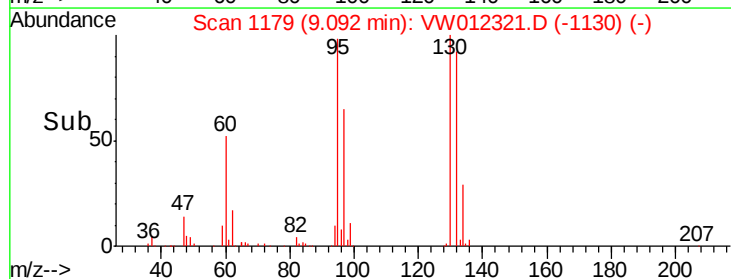
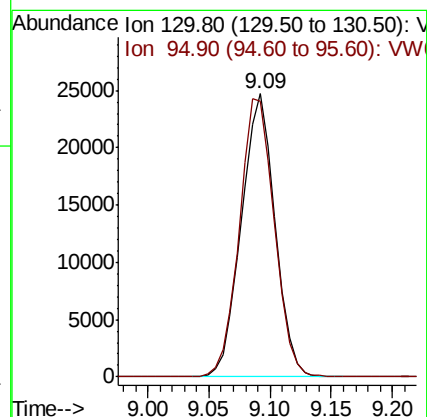
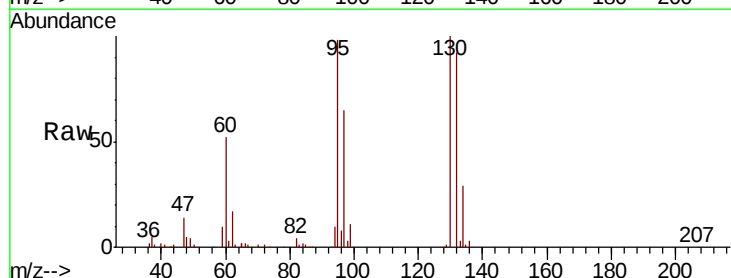
Acq: 30 Aug 2019 00:14

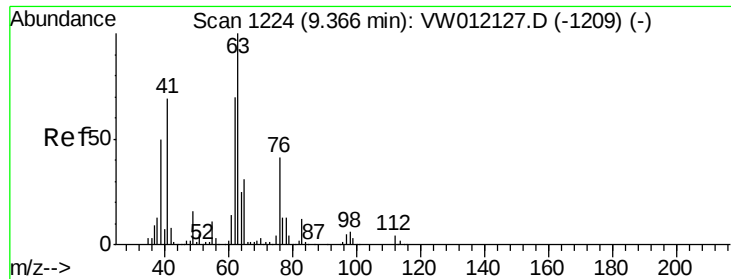
Tgt Ion: 130 Resp: 47077

Ion Ratio Lower Upper

130 100

95 97.6 0.0 210.6

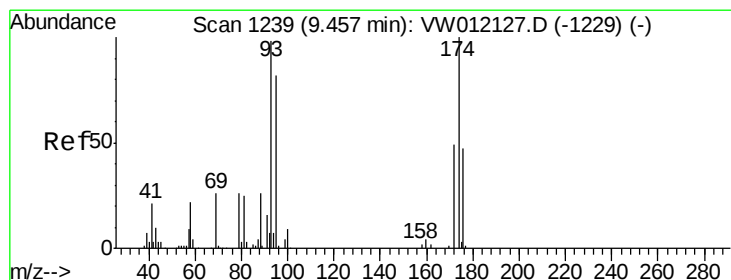
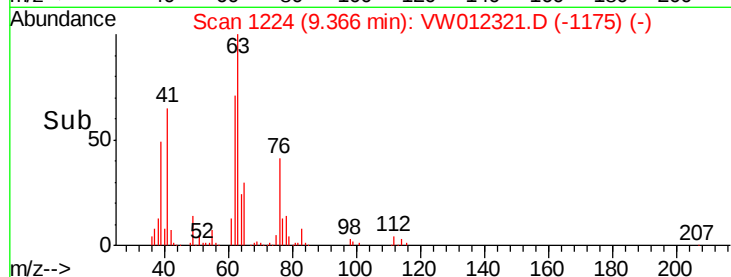
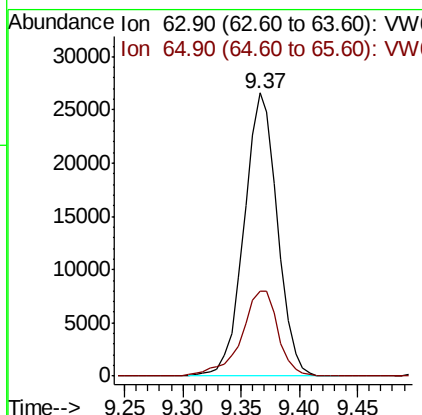
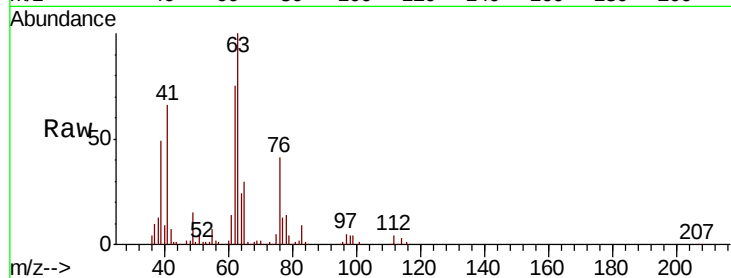




#45
 1,2-Dichloropropane
 Concen: 20.373 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

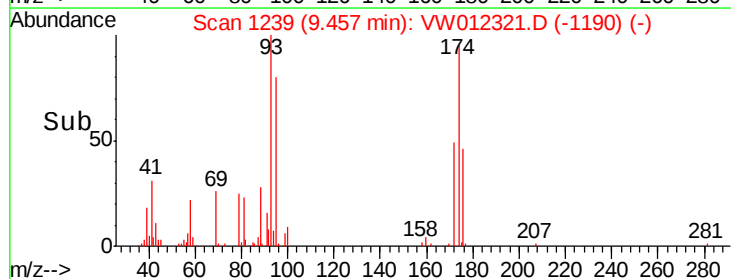
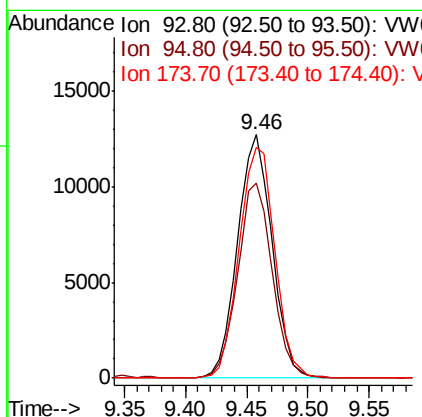
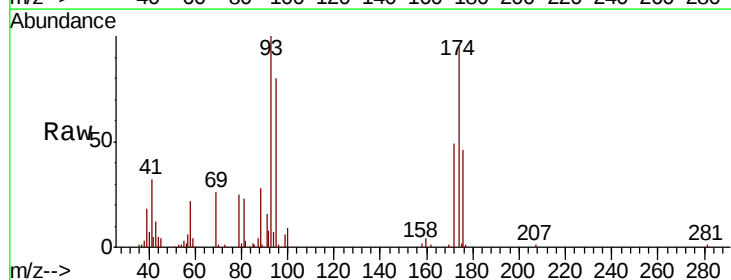
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

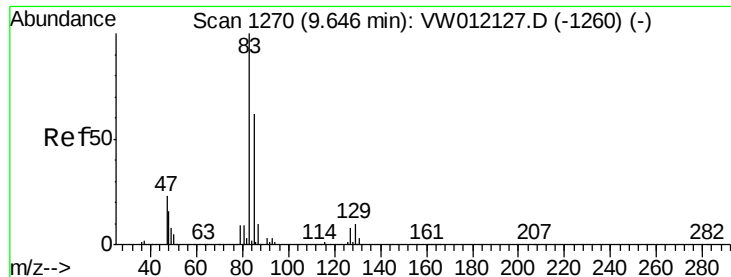
Tgt Ion: 63 Resp: 52809
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4



#46
 Dibromomethane
 Concen: 21.586 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 93 Resp: 24895
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.2 100.8
 174 98.3 79.0 118.6





#47

Bromodichloromethane

Concen: 20.096 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

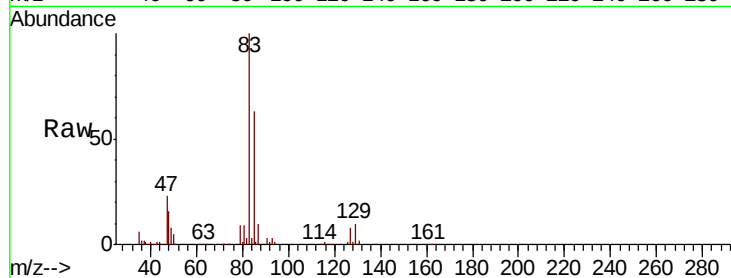
Tgt Ion: 83 Resp: 61684

Ion Ratio Lower Upper

83 100

85 63.3 49.4 74.2

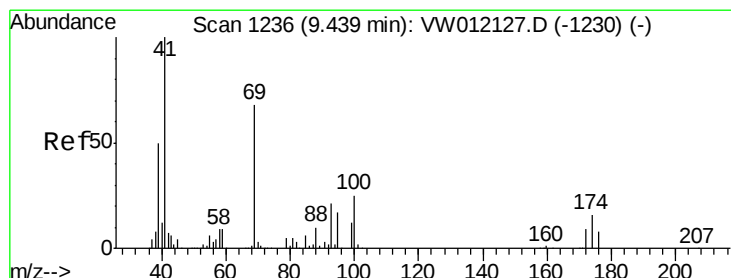
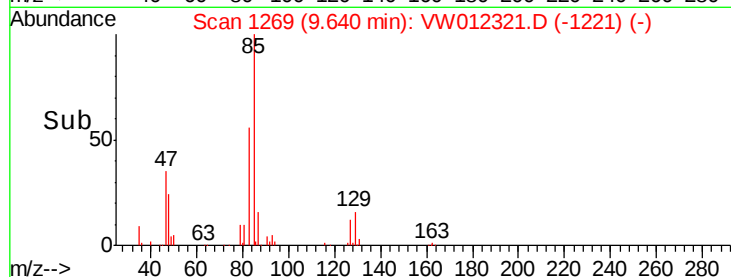
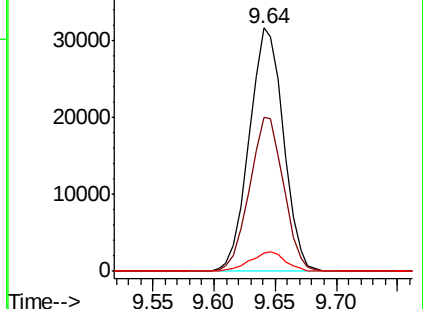
127 7.7 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 22.193 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

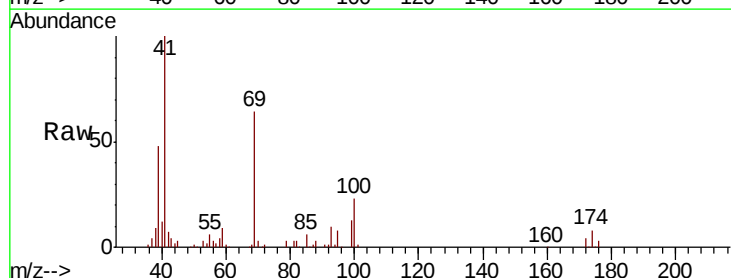
Tgt Ion: 41 Resp: 37818

Ion Ratio Lower Upper

41 100

69 73.6 56.7 85.1

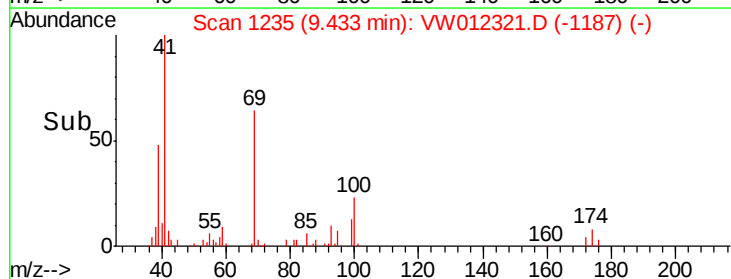
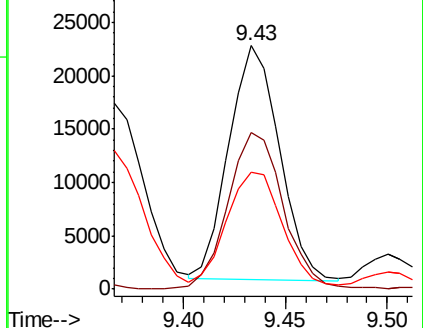
39 51.8 42.0 63.0

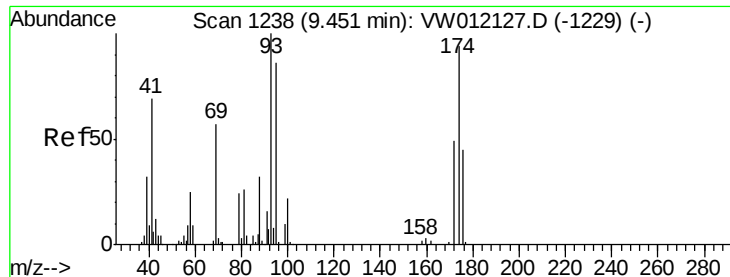


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

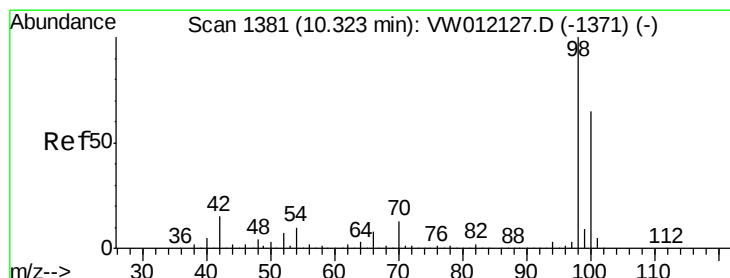
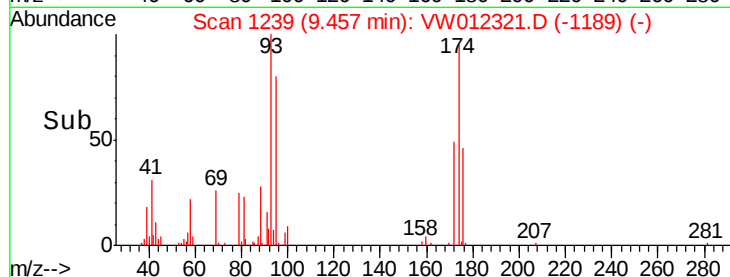
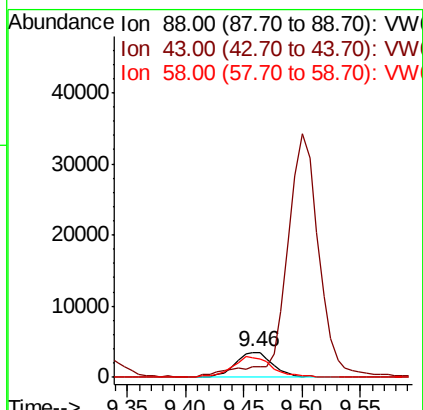
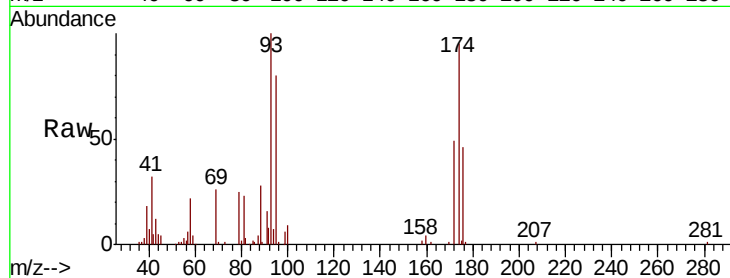




#49
1,4-Dioxane
Concen: 454.807 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

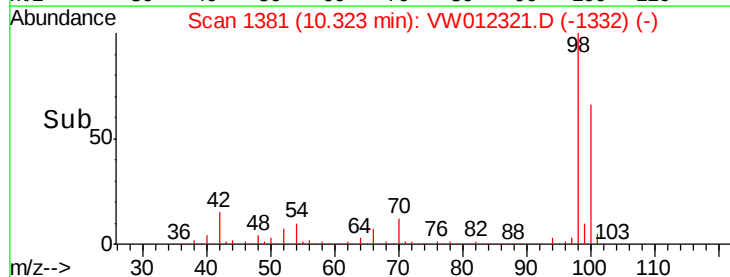
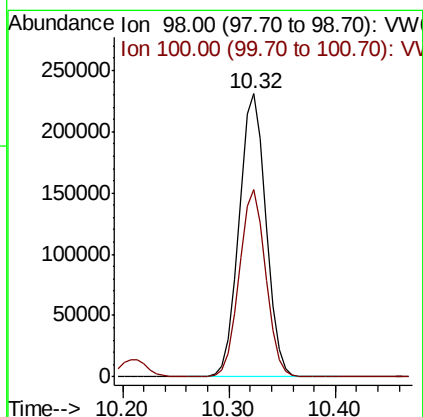
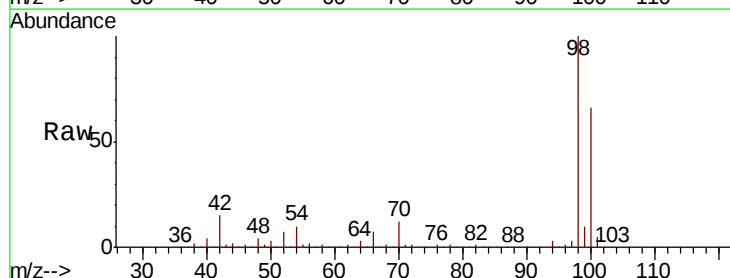
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

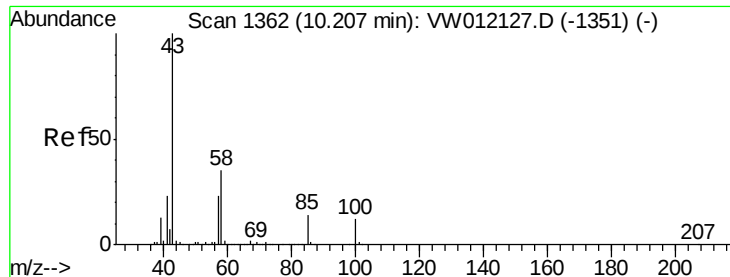
Tgt Ion: 88 Resp: 8030
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 88.6 71.0 106.4



#50
Toluene-d8
Concen: 49.543 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 98 Resp: 409279
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 116.691 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

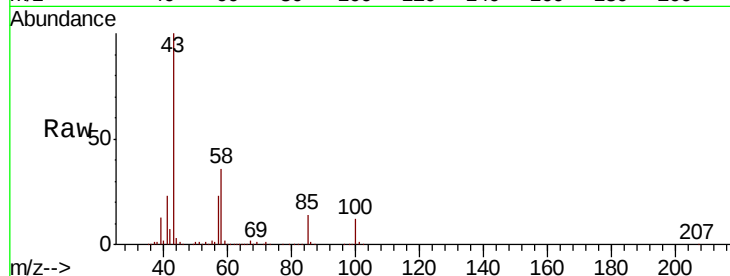
VW0829SBSD02

Tgt Ion: 43 Resp: 212502

Ion Ratio Lower Upper

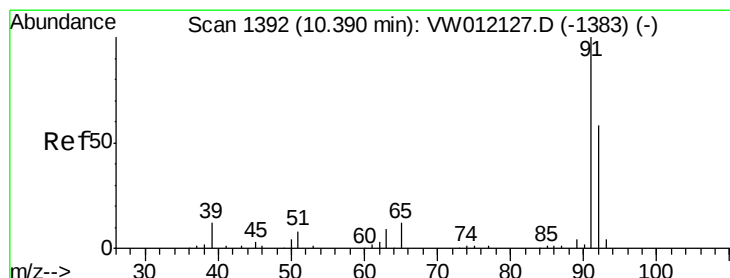
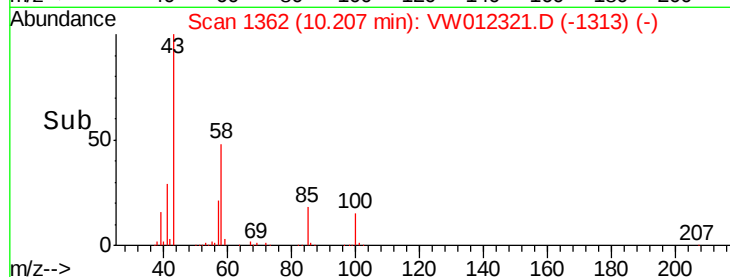
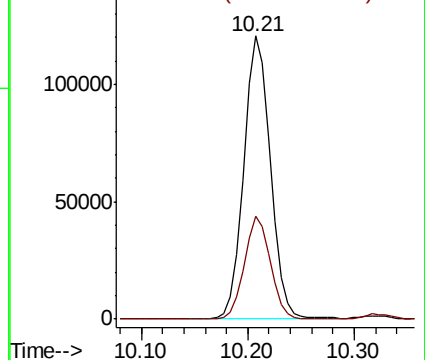
43 100

58 35.5 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.102 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012321.D

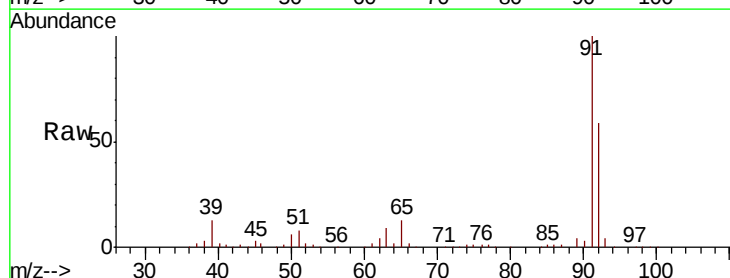
Acq: 30 Aug 2019 00:14

Tgt Ion: 92 Resp: 116314

Ion Ratio Lower Upper

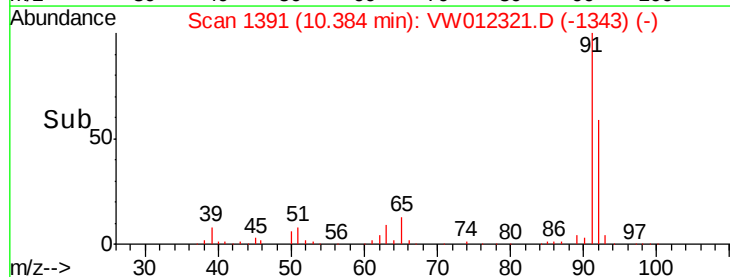
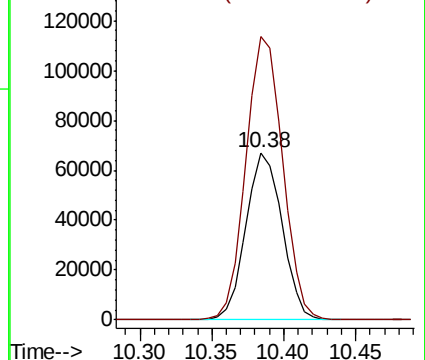
92 100

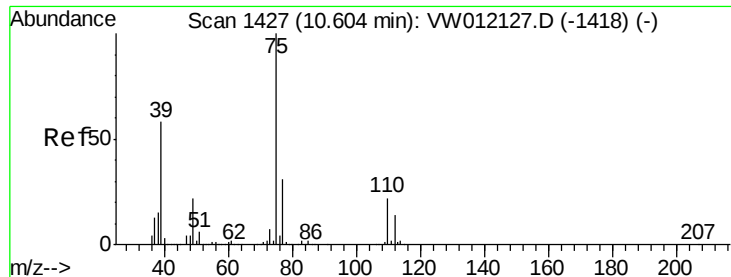
91 172.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 20.358 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

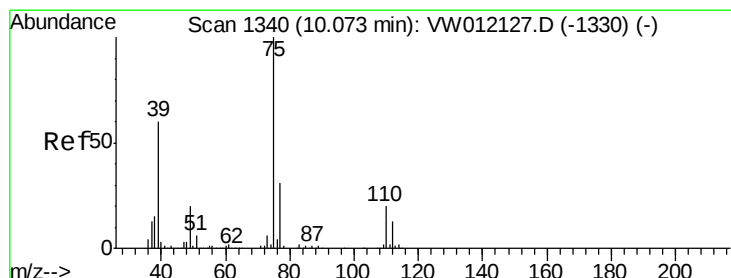
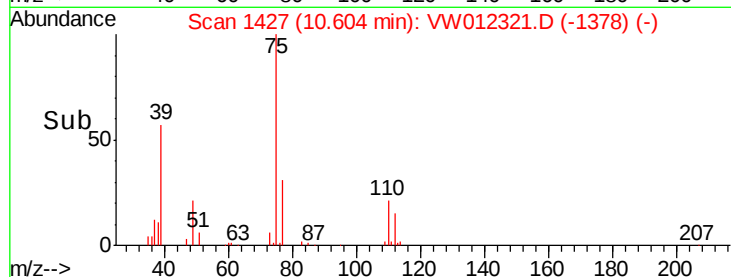
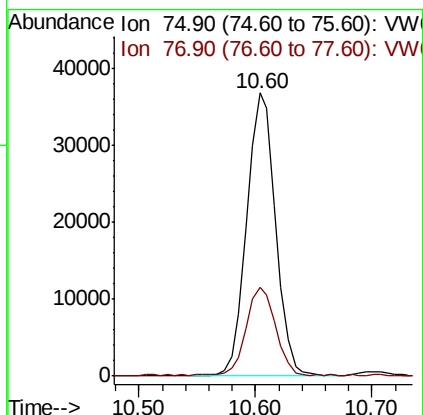
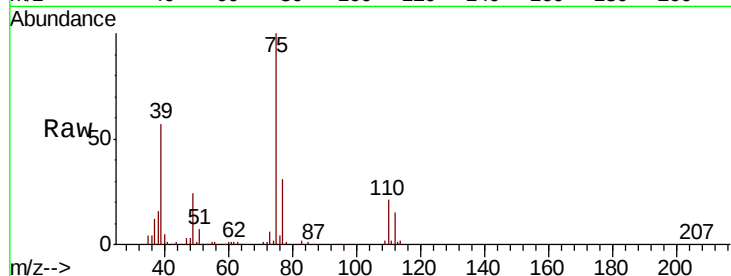
VW0829SBSD02

Tgt Ion: 75 Resp: 63653

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.734 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

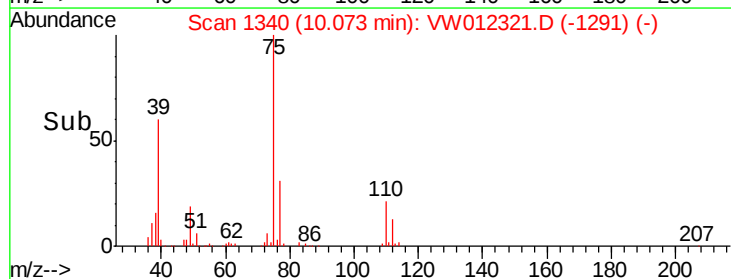
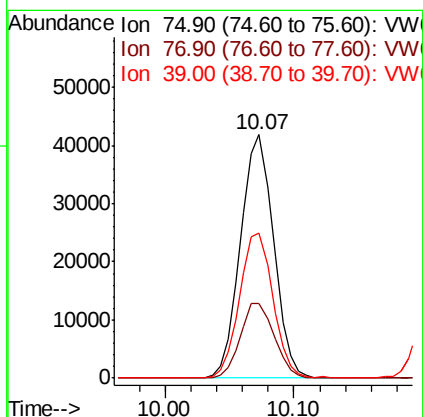
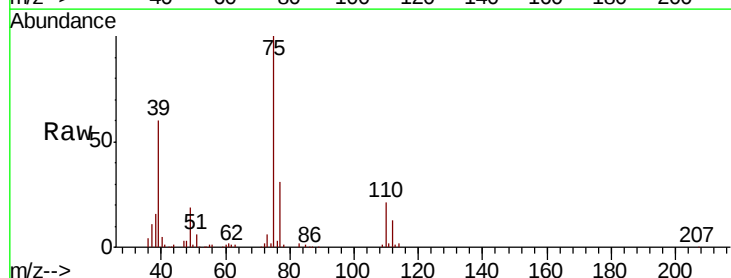
Tgt Ion: 75 Resp: 74499

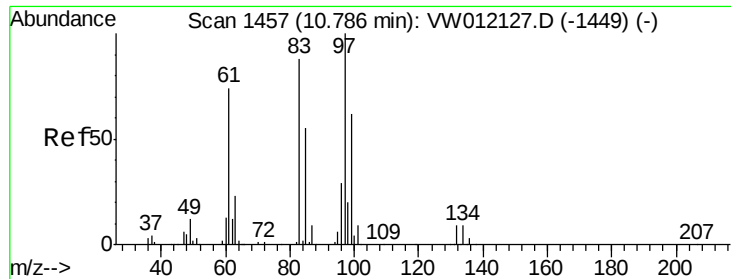
Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

39 59.5 48.3 72.5

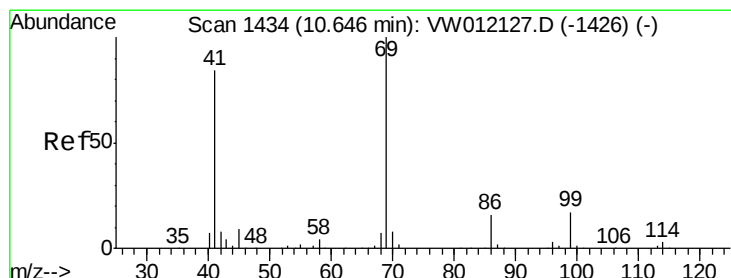
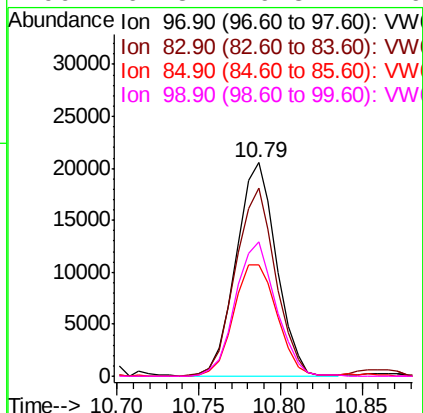
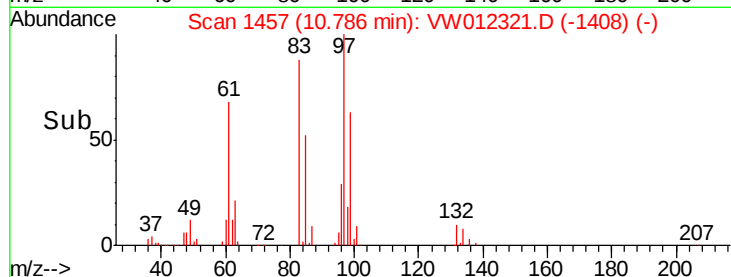
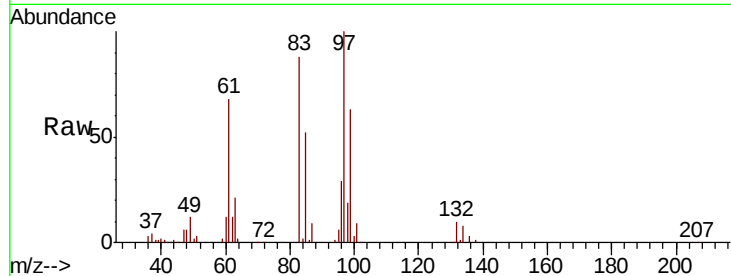




#55
 1,1,2-Trichloroethane
 Concen: 21.607 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

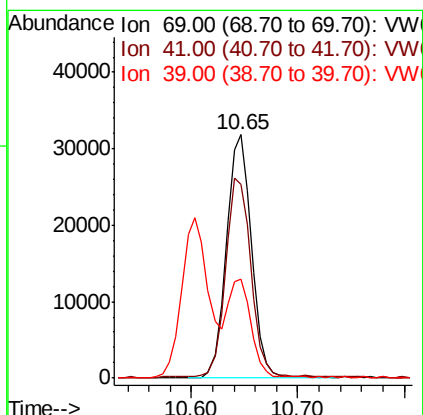
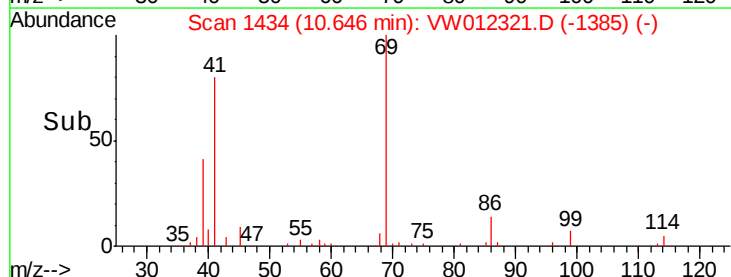
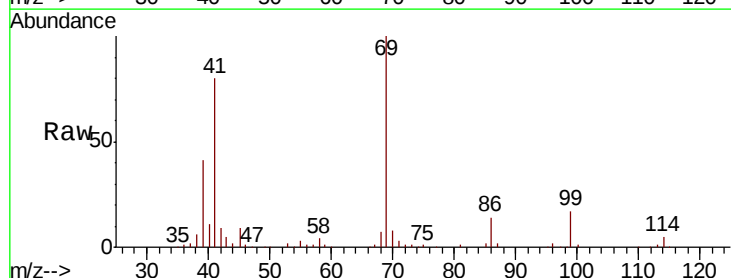
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

Tgt Ion:	97	Resp:	35258
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.8	106.2
85	52.2	43.8	65.8
99	62.8	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 22.227 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion:	69	Resp:	52787
Ion	Ratio	Lower	Upper
69	100		
41	82.3	66.5	99.7
39	37.1	31.0	46.4

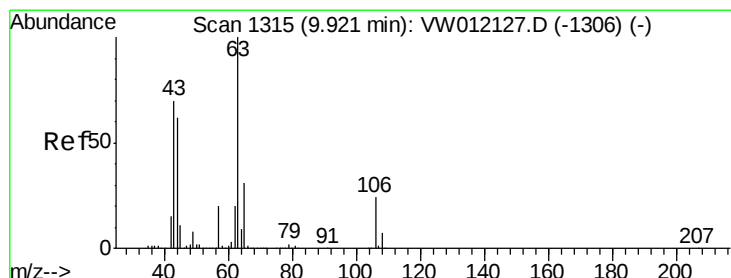
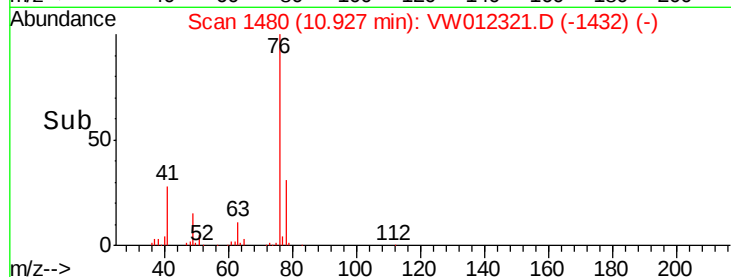
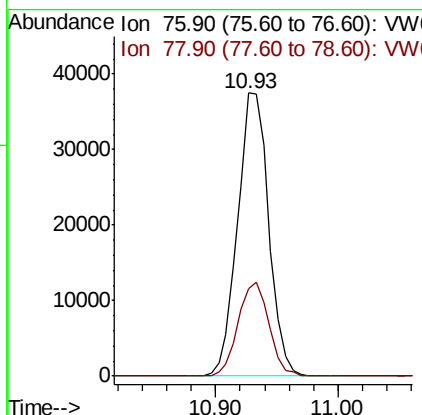
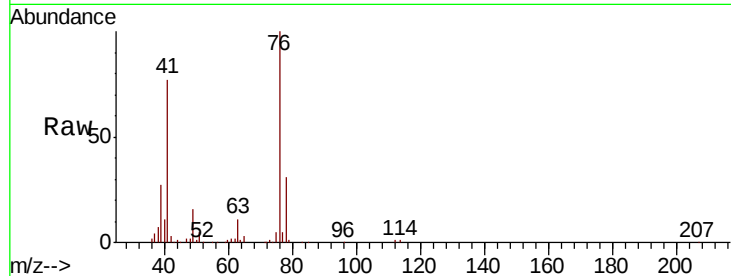




#57
 1,3-Dichloropropane
 Concen: 21.441 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

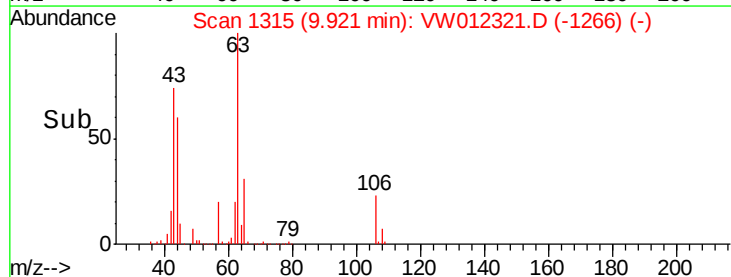
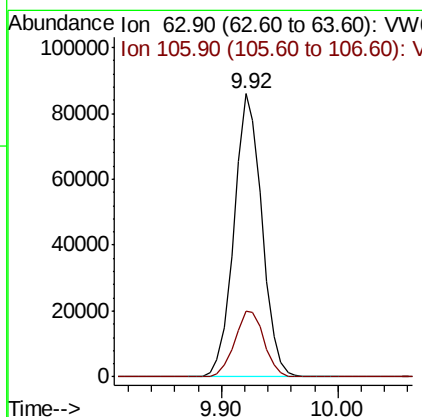
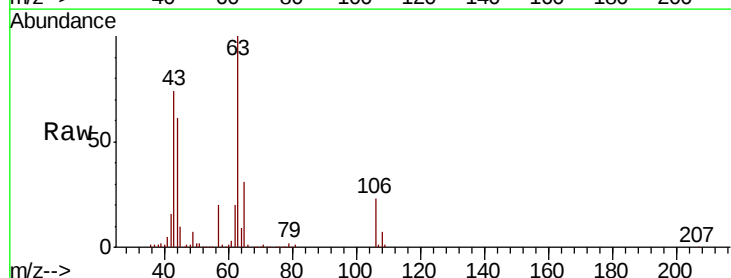
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

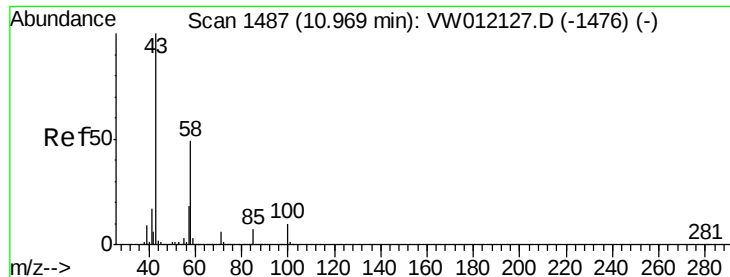
Tgt Ion: 76 Resp: 66117
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.612 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 63 Resp: 143352
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.8 29.8

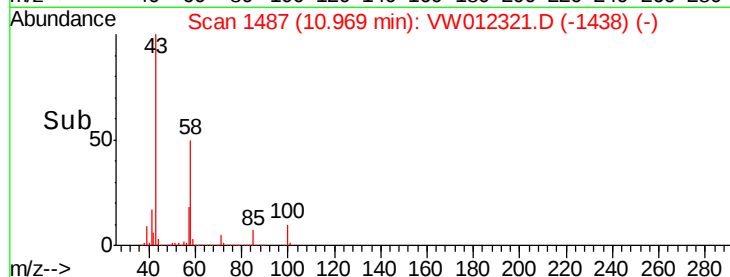
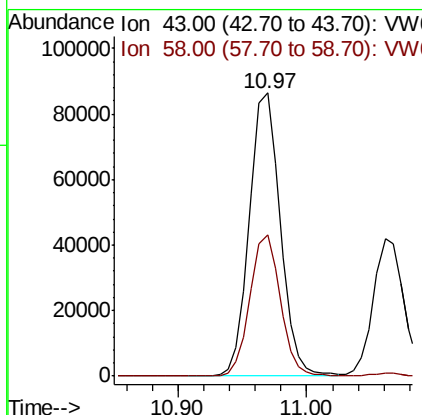
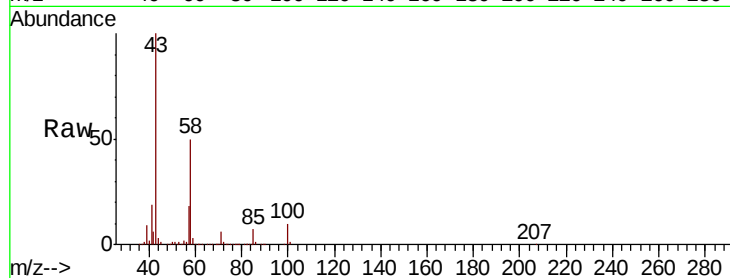




#59
2-Hexanone
Concen: 111.131 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

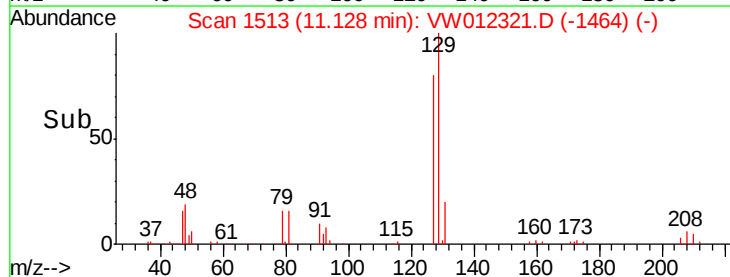
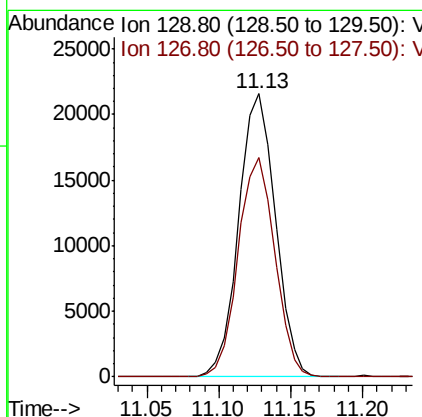
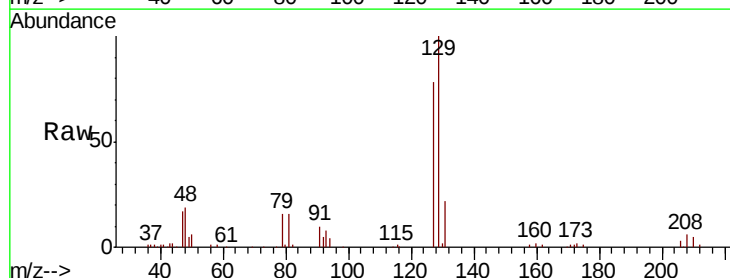
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

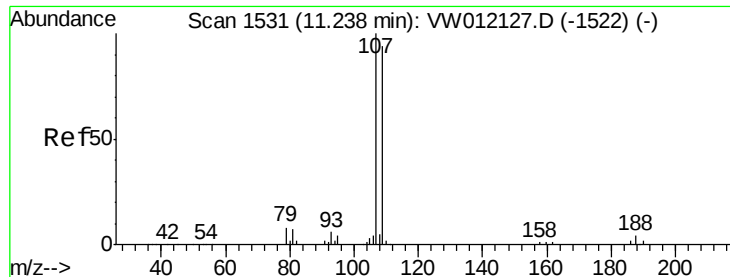
Tgt Ion: 43 Resp: 143195
Ion Ratio Lower Upper
43 100
58 49.1 24.3 72.9



#60
Dibromochloromethane
Concen: 21.050 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 129 Resp: 38259
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.557 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

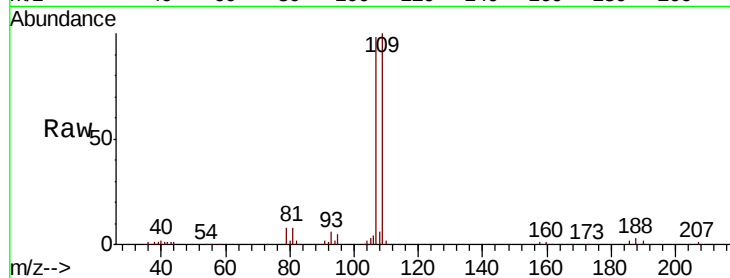
VW0829SBS02

Tgt Ion: 107 Resp: 32771

Ion Ratio Lower Upper

107 100

109 96.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

15000

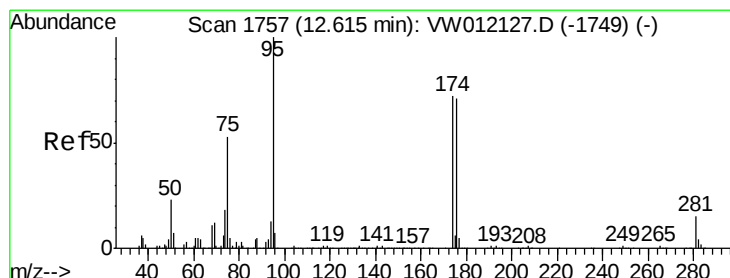
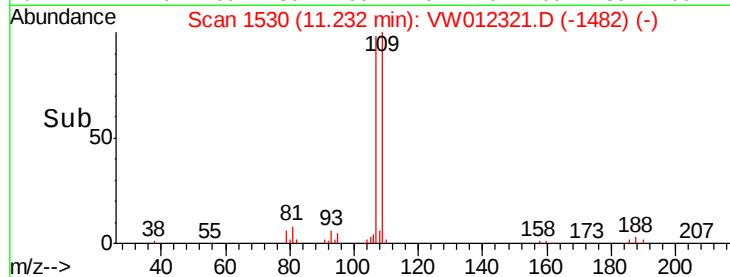
10000

5000

0

11.20 11.30

Time-->



#62

4-Bromofluorobenzene

Concen: 49.714 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

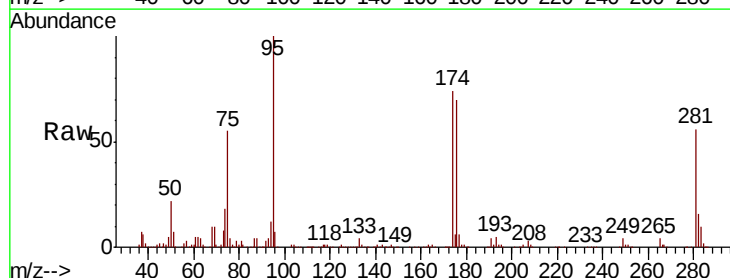
Tgt Ion: 95 Resp: 144770

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.8

176 74.6 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

120000

100000

80000

60000

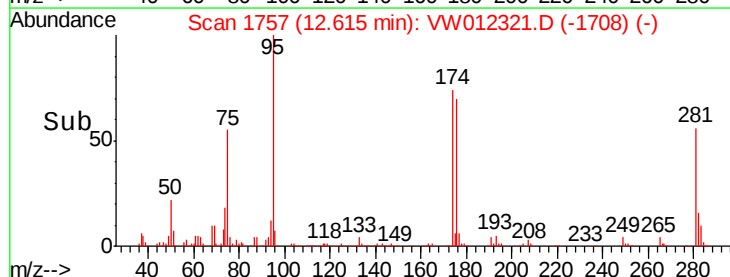
40000

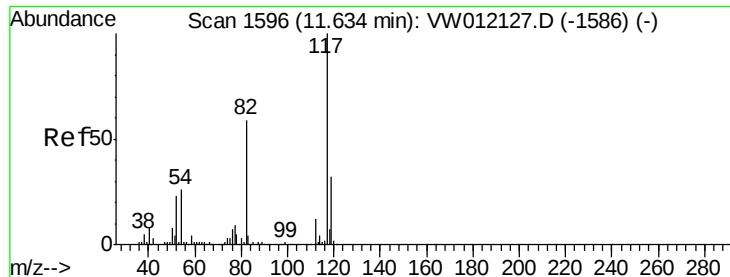
20000

0

12.60 12.70

Time-->

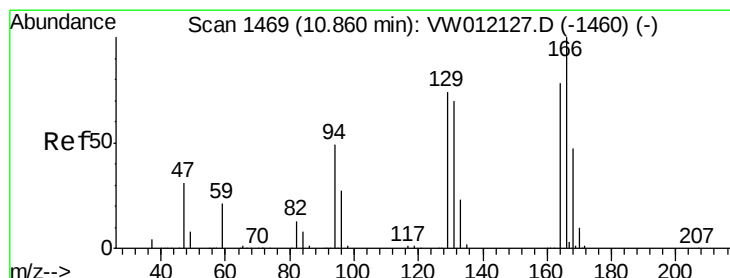
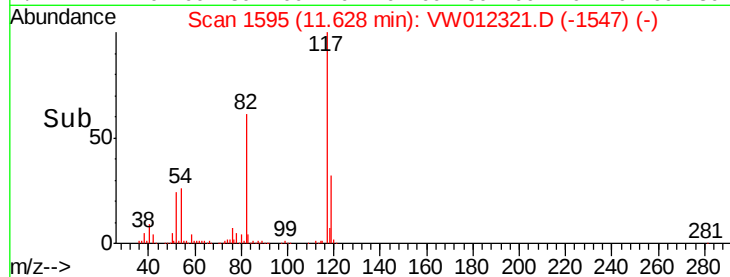
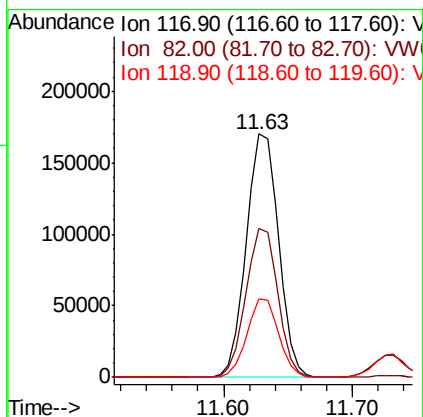
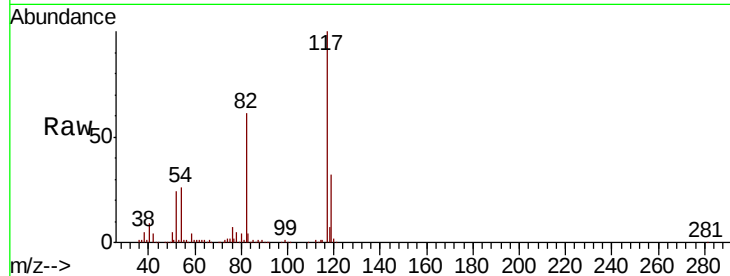




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

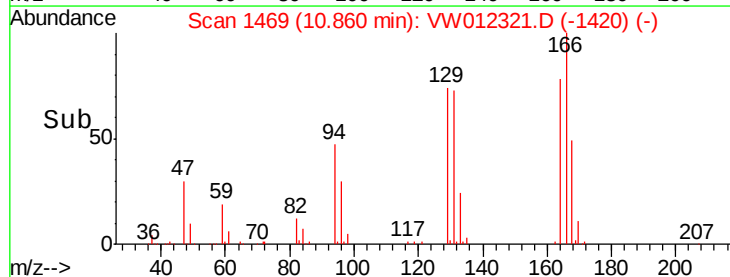
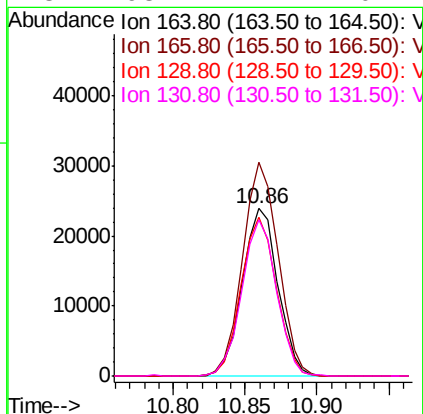
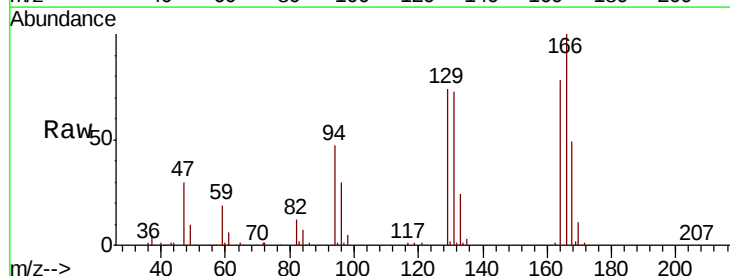
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

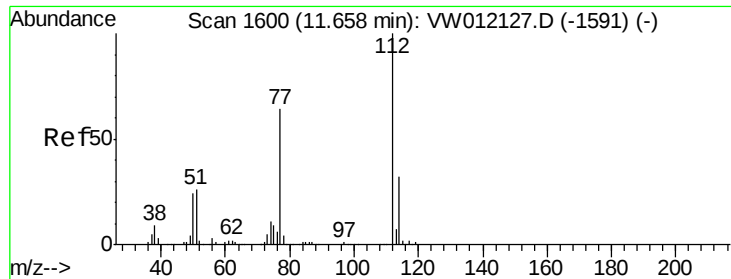
Tgt Ion:117 Resp: 294014
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 21.513 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion:164 Resp: 41007
Ion Ratio Lower Upper
164 100
166 127.8 102.4 153.6
129 95.2 75.8 113.6
131 93.4 71.4 107.2





#65

Chlorobenzene

Concen: 20.344 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

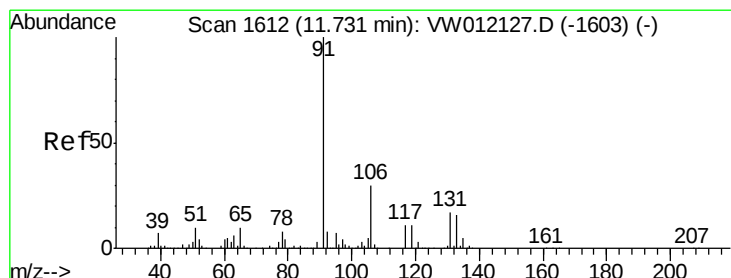
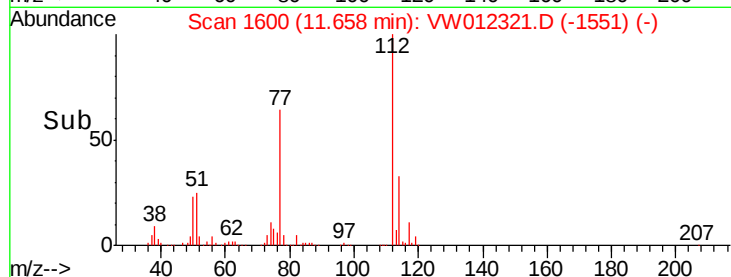
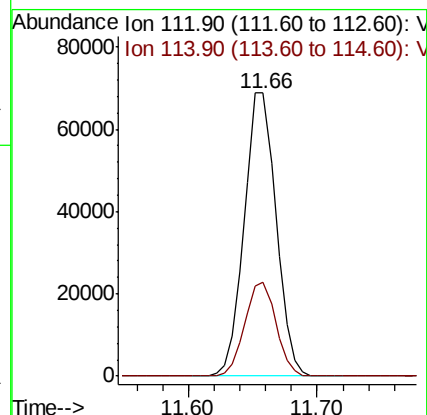
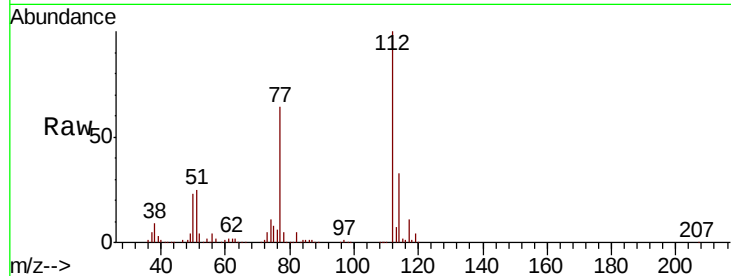
VW0829SBSD02

Tgt Ion:112 Resp: 117781

Ion Ratio Lower Upper

112 100

114 33.4 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 20.918 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

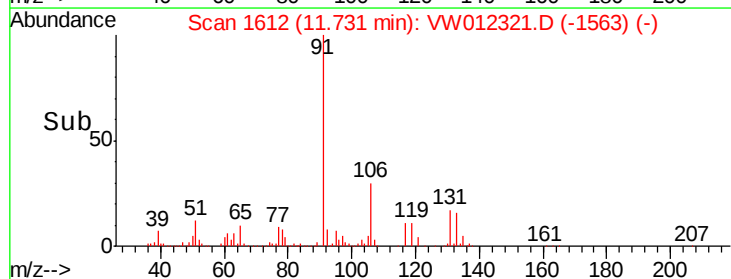
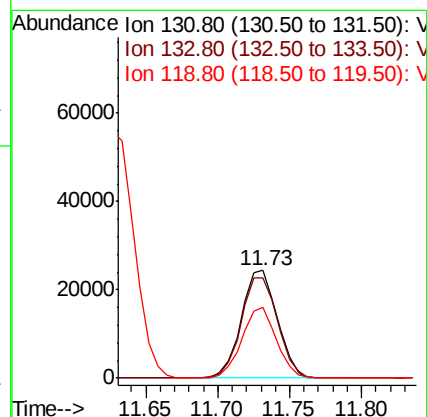
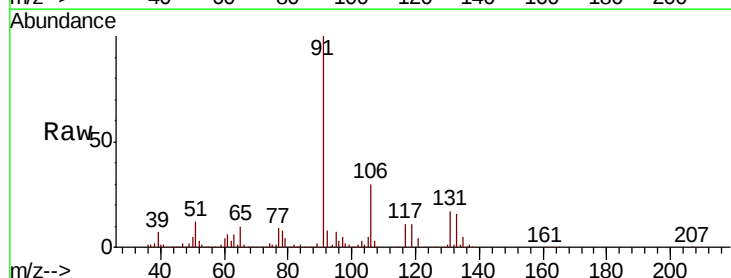
Tgt Ion:131 Resp: 42247

Ion Ratio Lower Upper

131 100

133 95.3 47.1 141.3

119 63.3 31.8 95.3

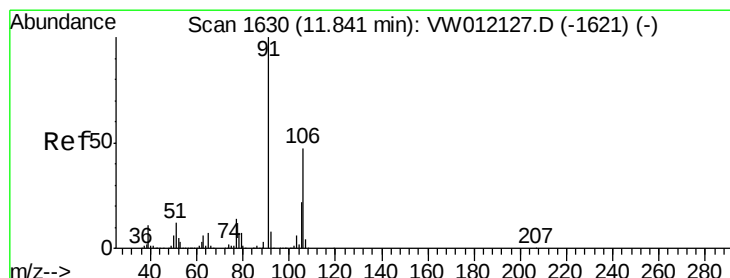
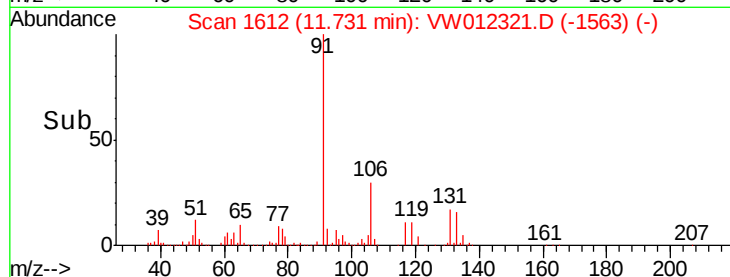
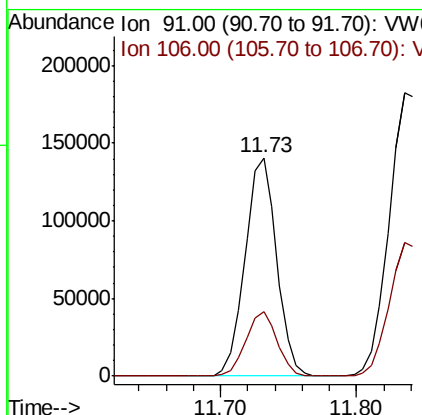
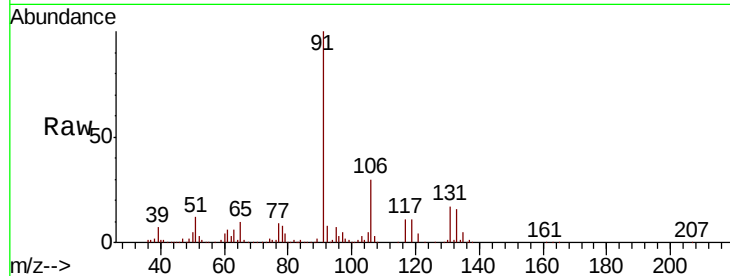




#67
Ethyl Benzene
Concen: 20.449 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

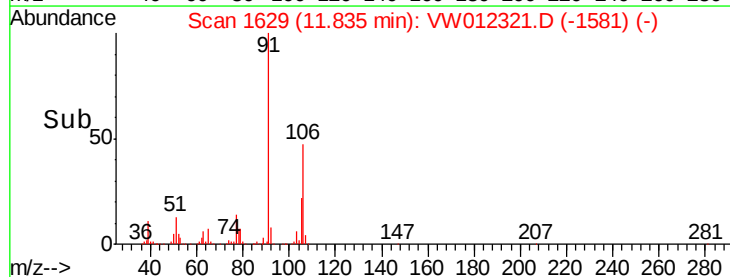
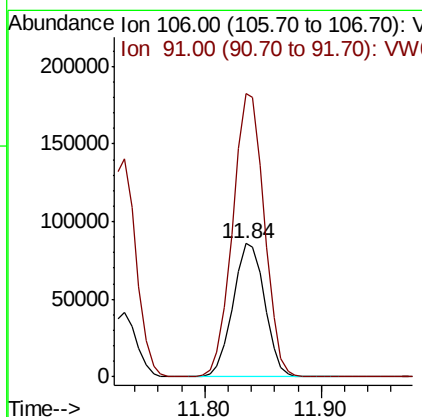
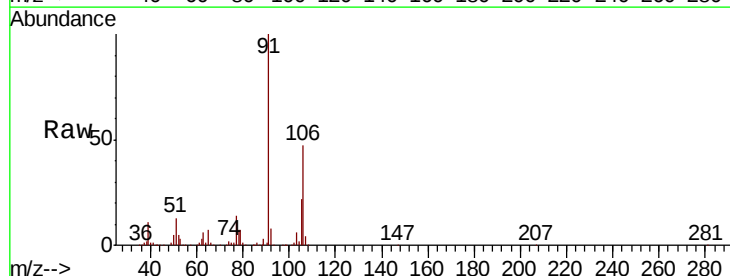
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

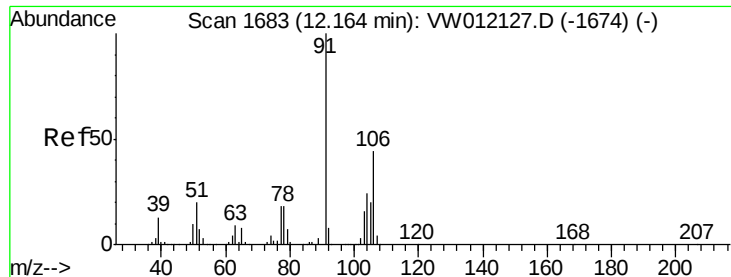
Tgt Ion: 91 Resp: 228051
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 40.646 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 106 Resp: 163283
Ion Ratio Lower Upper
106 100
91 211.1 169.5 254.3

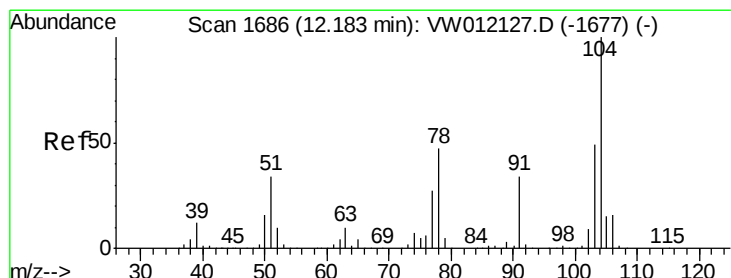
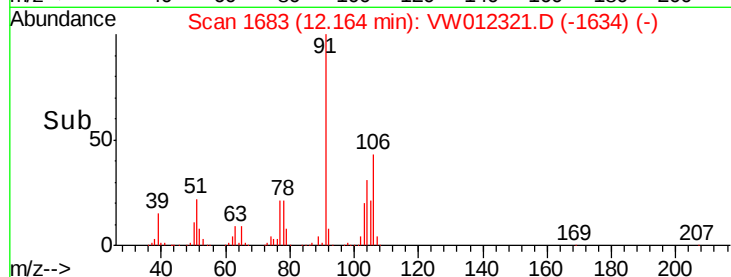
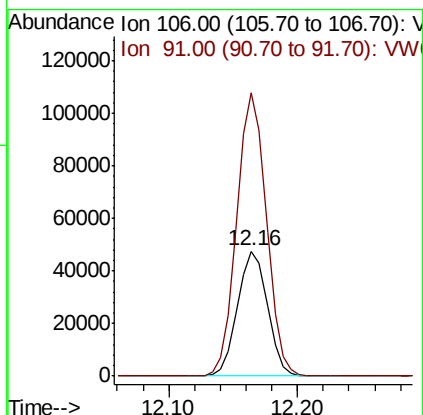
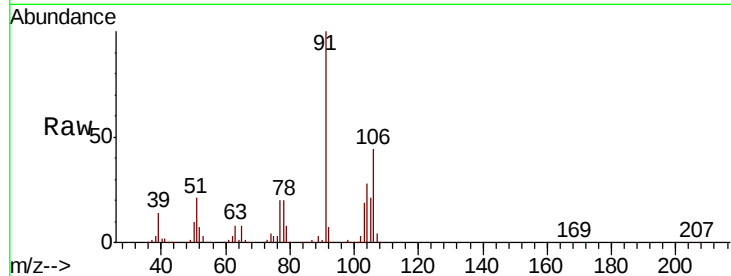




#69
o-Xylene
Concen: 20.616 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

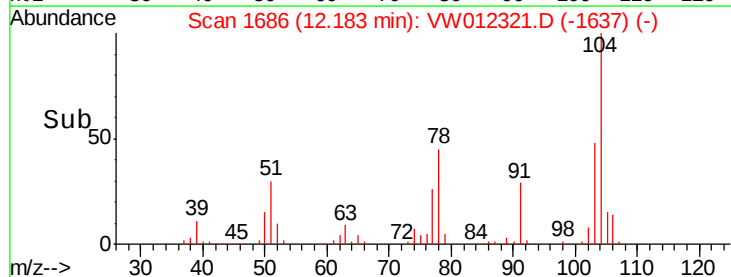
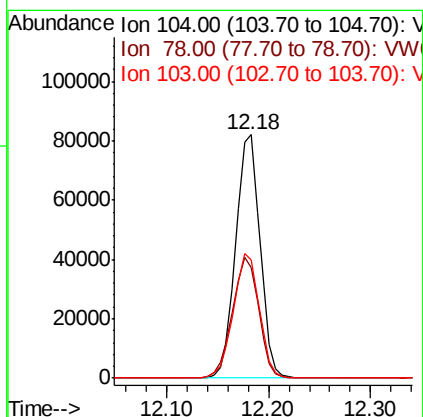
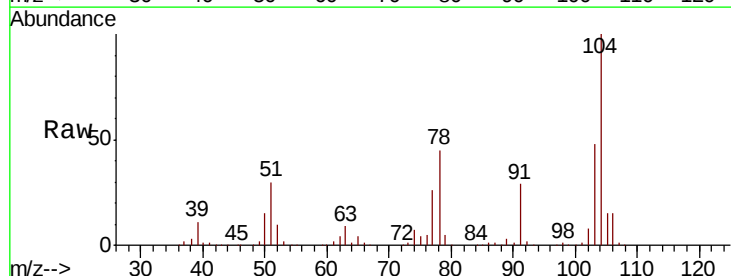
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

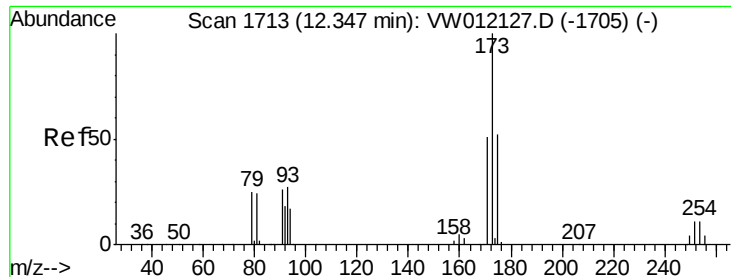
Tgt Ion:106 Resp: 76652
Ion Ratio Lower Upper
106 100
91 224.8 111.6 334.6



#70
Styrene
Concen: 20.934 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion:104 Resp: 134720
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 54.5 43.5 65.3





#71

Bromoform

Concen: 21.468 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

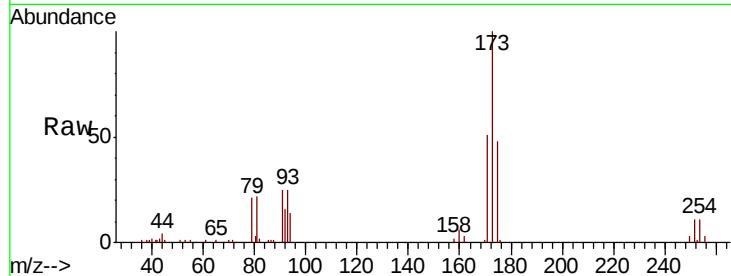
Tgt Ion:173 Resp: 21602

Ion Ratio Lower Upper

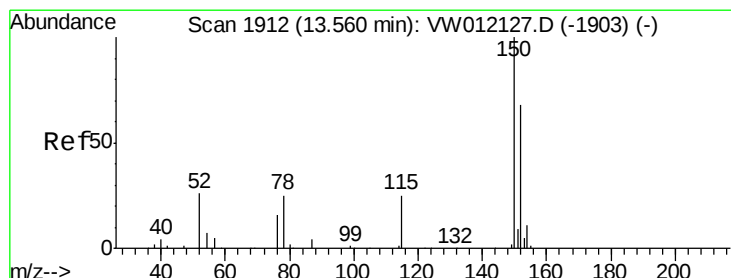
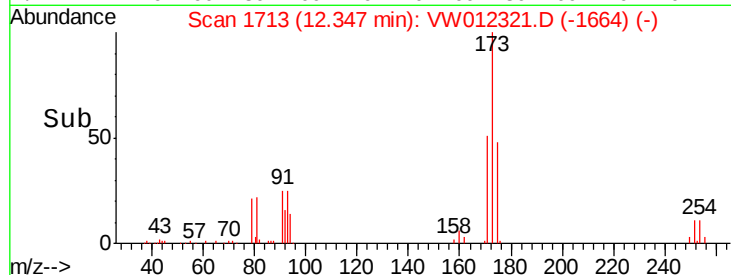
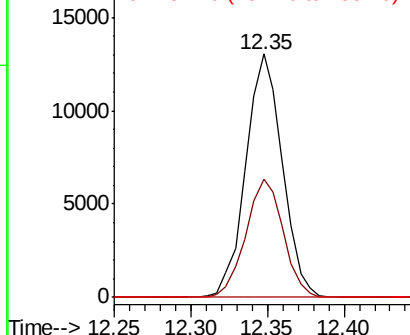
173 100

175 49.6 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

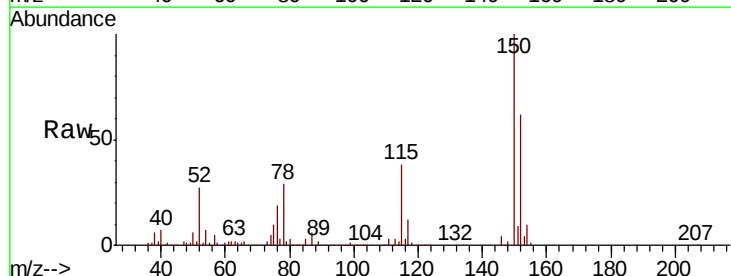
Tgt Ion:152 Resp: 141248

Ion Ratio Lower Upper

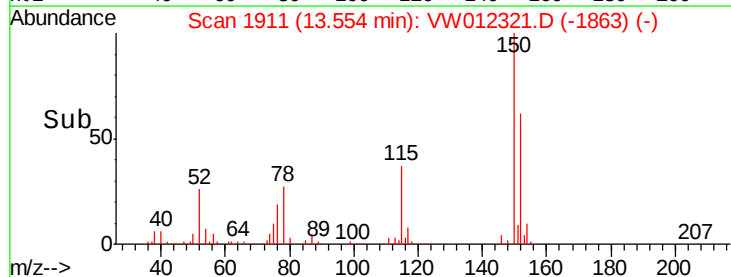
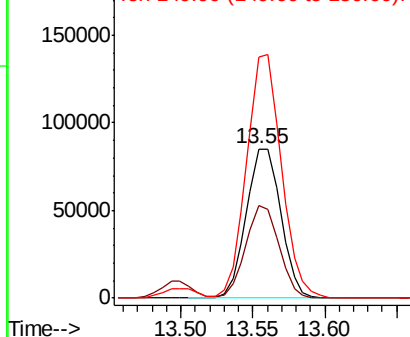
152 100

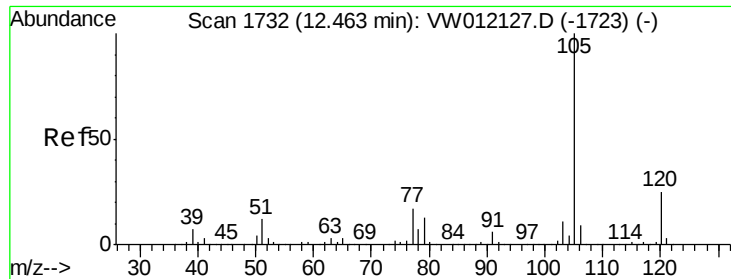
115 60.2 30.1 90.3

150 164.6 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: 20.710 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

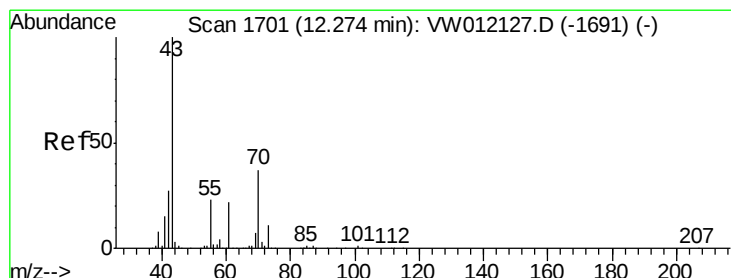
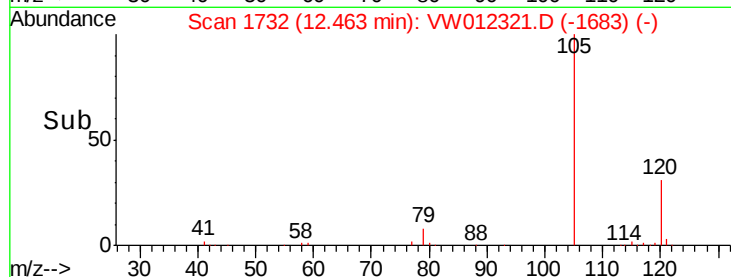
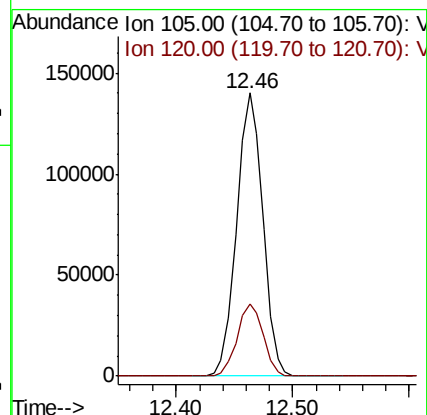
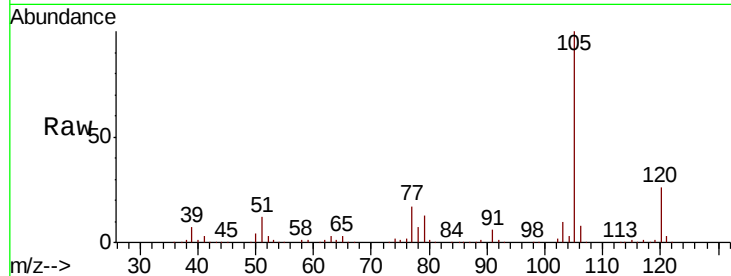
VW0829SBSD02

Tgt Ion:105 Resp: 219195

Ion Ratio Lower Upper

105 100

120 25.6 12.5 37.5



#74

N-ethyl acetate

Concen: 22.389 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion: 43 Resp: 71593

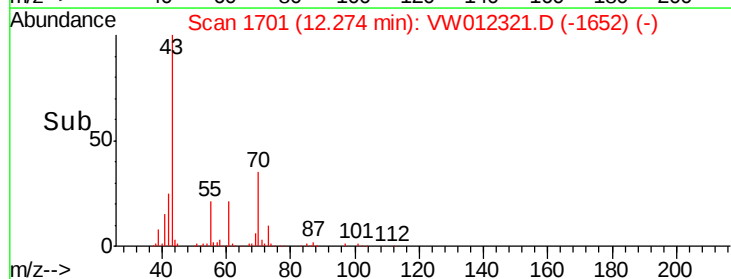
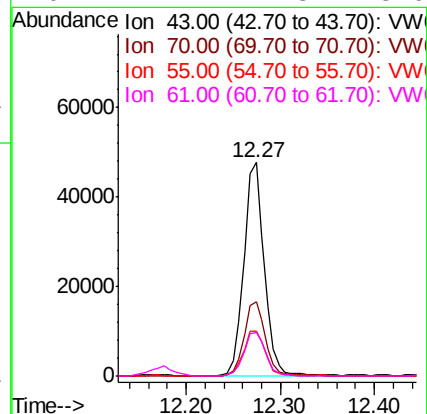
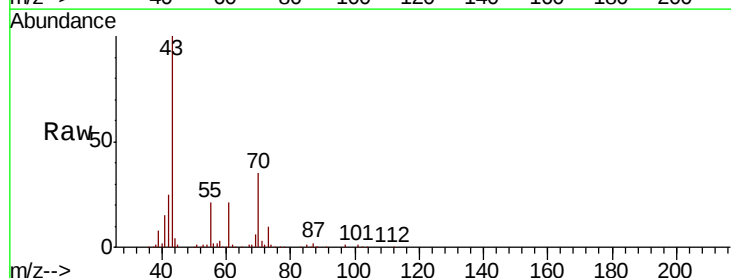
Ion Ratio Lower Upper

43 100

70 36.0 28.6 43.0

55 22.7 17.8 26.6

61 21.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.170 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

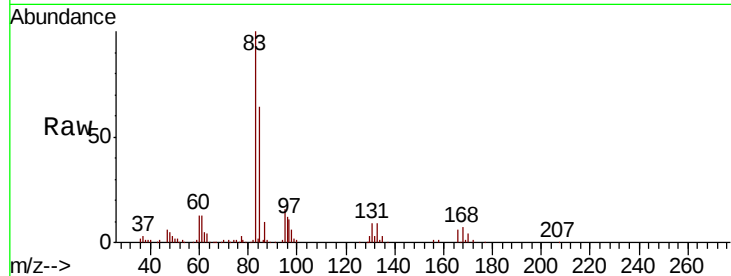
Tgt Ion: 83 Resp: 43017

Ion Ratio Lower Upper

83 100

131 10.8 4.9 14.7

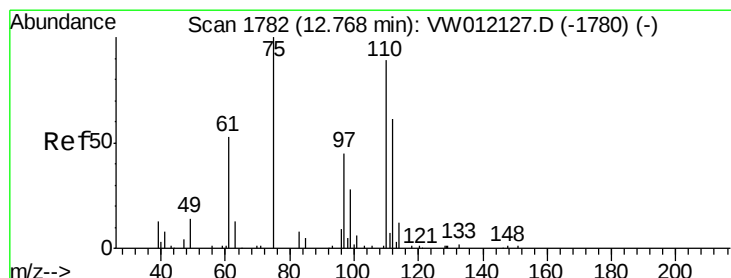
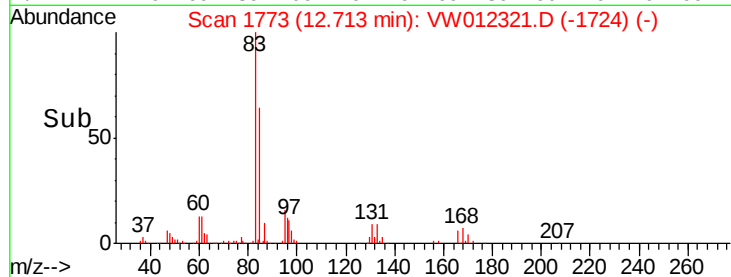
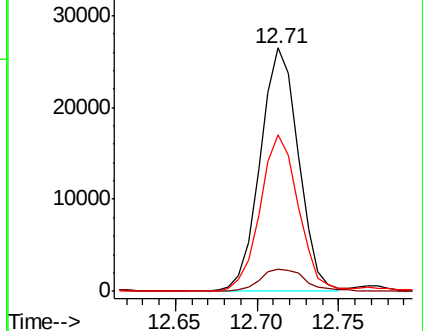
85 64.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 41.372 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012321.D

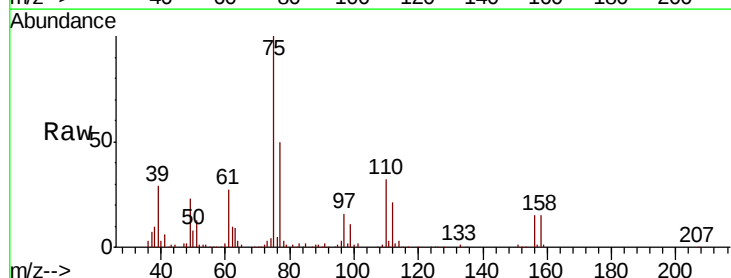
Acq: 30 Aug 2019 00:14

Tgt Ion: 75 Resp: 56914

Ion Ratio Lower Upper

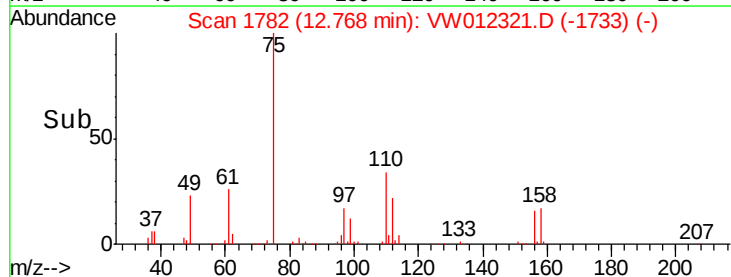
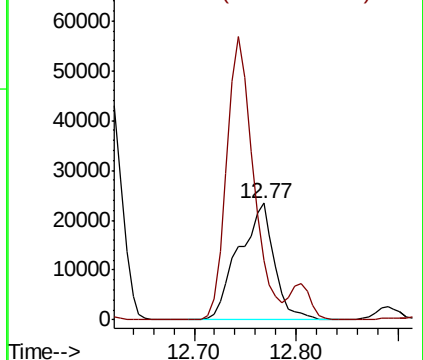
75 100

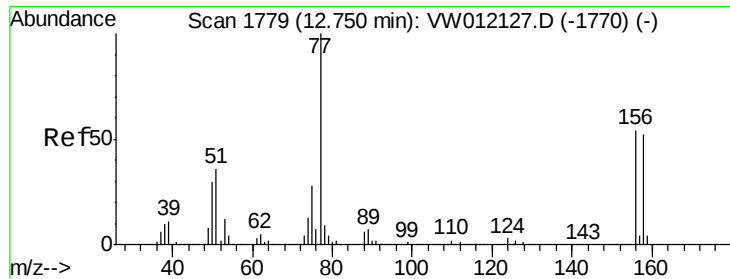
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

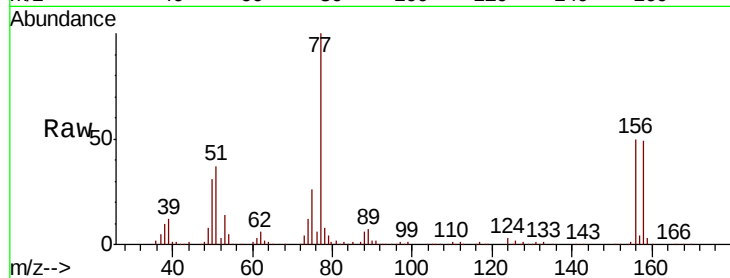




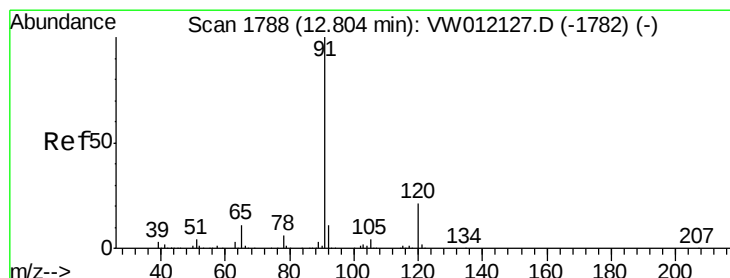
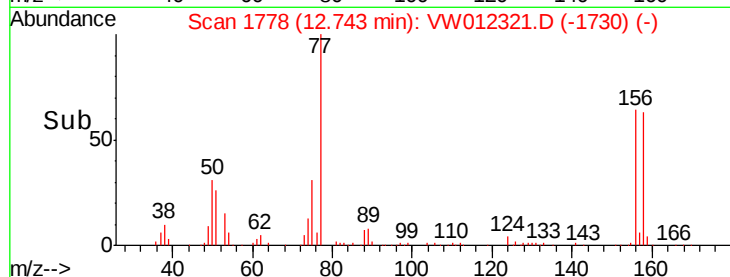
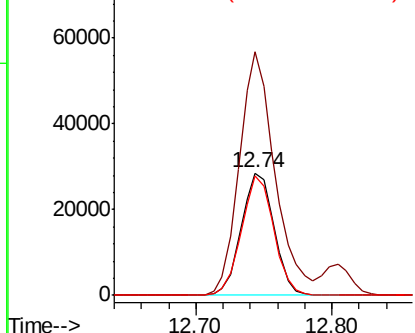
#77
Bromobenzene
Concen: 21.012 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

Tgt Ion:156 Resp: 48111
Ion Ratio Lower Upper
156 100
77 215.7 107.3 321.8
158 95.7 49.0 147.0

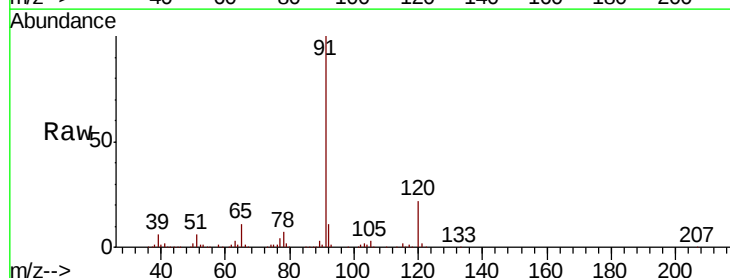


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

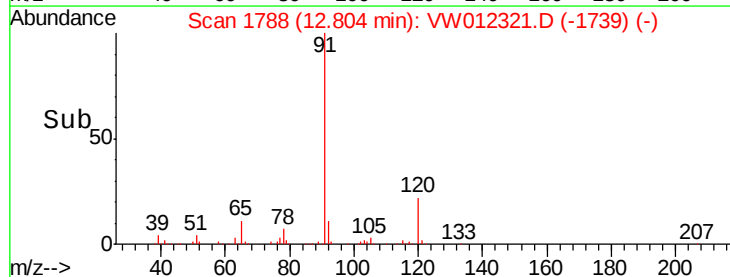
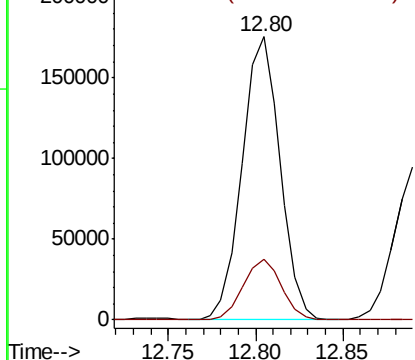


#78
n-propylbenzene
Concen: 20.579 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 91 Resp: 265896
Ion Ratio Lower Upper
91 100
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.585 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

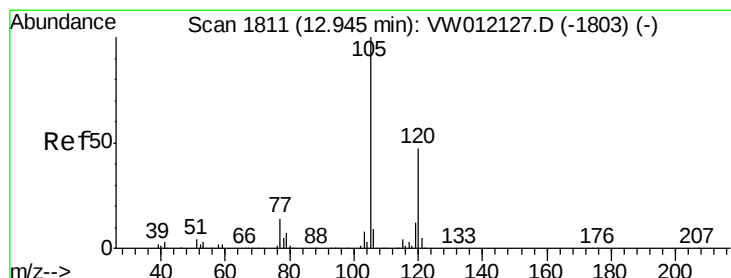
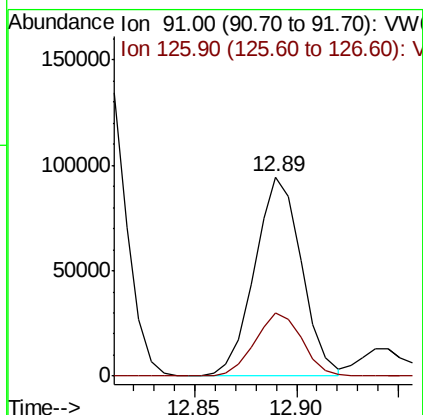
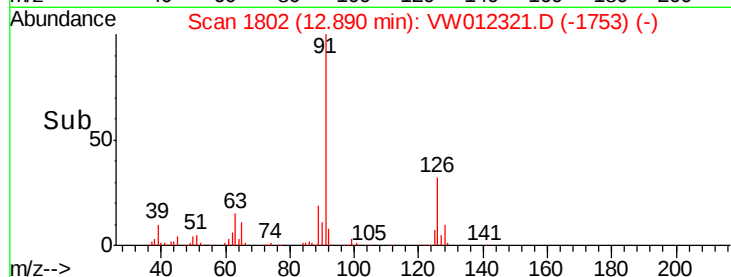
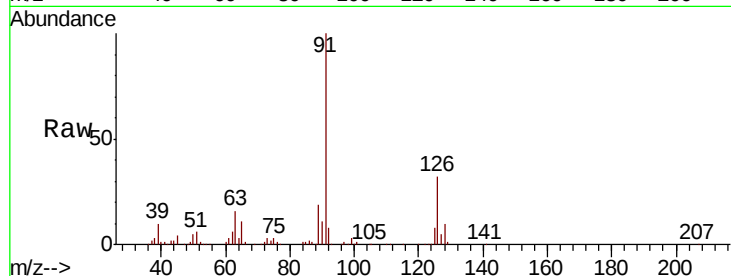
VW0829SBSD02

Tgt Ion: 91 Resp: 151003

Ion Ratio Lower Upper

91 100

126 32.2 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 20.879 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012321.D

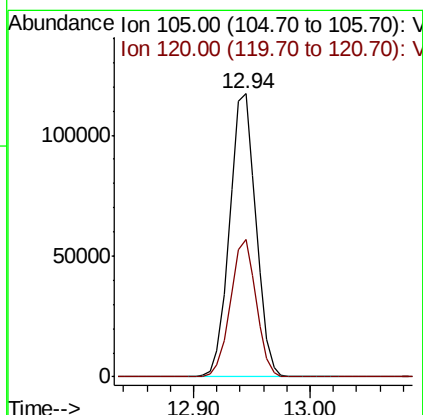
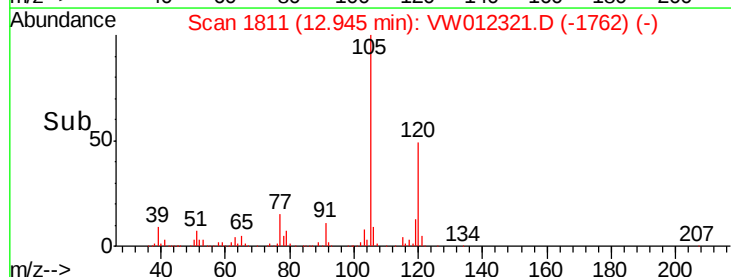
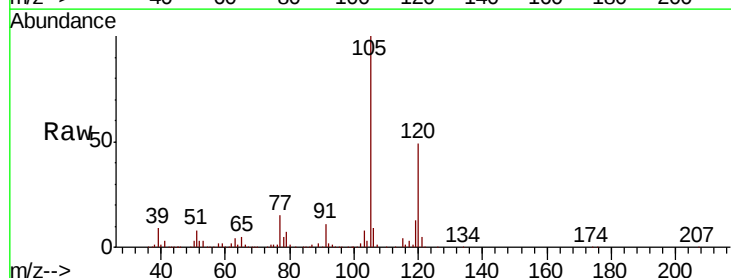
Acq: 30 Aug 2019 00:14

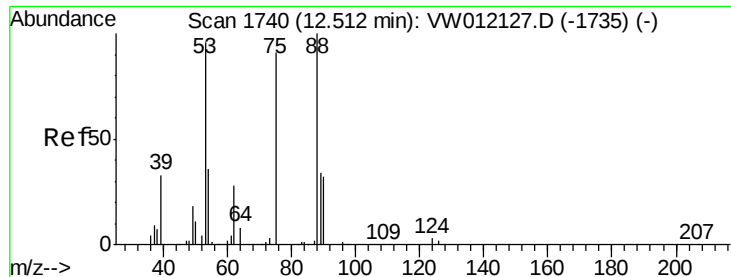
Tgt Ion: 105 Resp: 184651

Ion Ratio Lower Upper

105 100

120 47.5 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.378 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

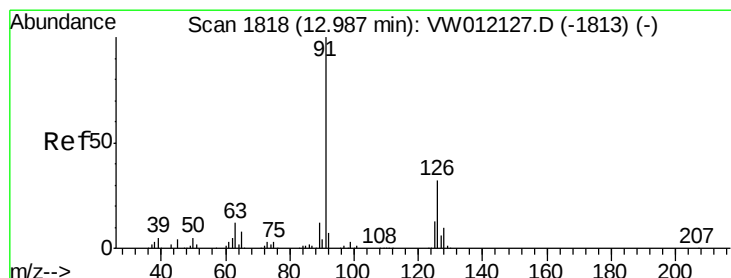
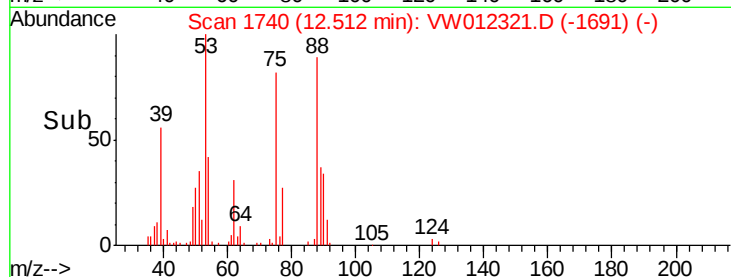
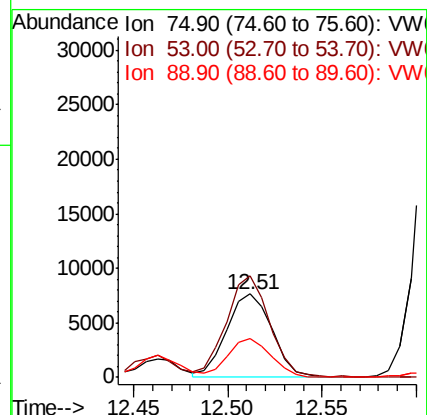
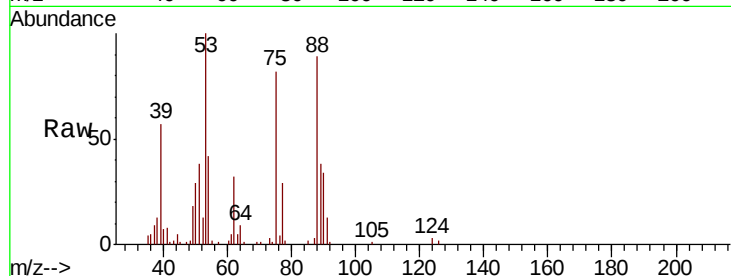
Tgt Ion: 75 Resp: 12786

Ion Ratio Lower Upper

75 100

53 117.0 89.4 134.0

89 43.9 34.5 51.7



#82

4-Chlorotoluene

Concen: 20.479 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012321.D

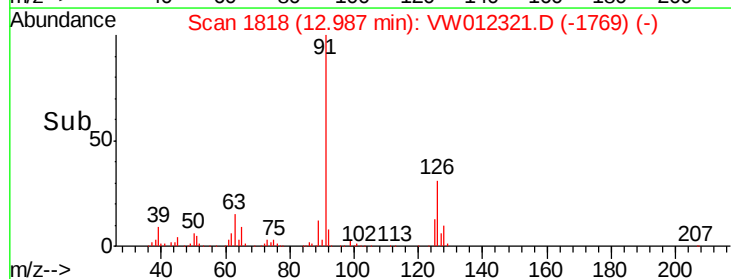
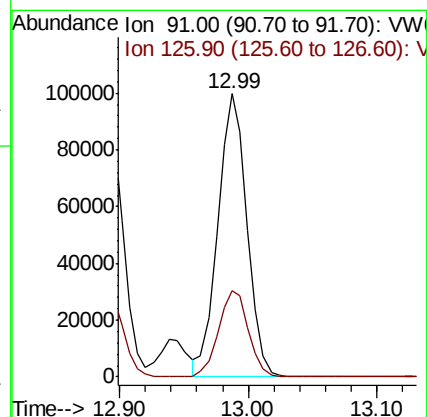
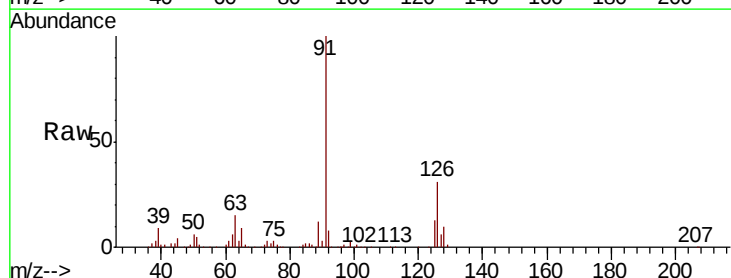
Acq: 30 Aug 2019 00:14

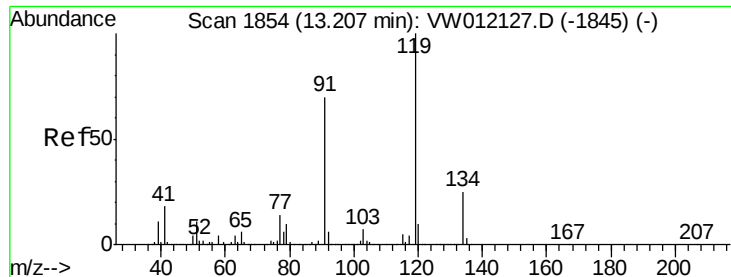
Tgt Ion: 91 Resp: 157299

Ion Ratio Lower Upper

91 100

126 31.5 15.6 46.8

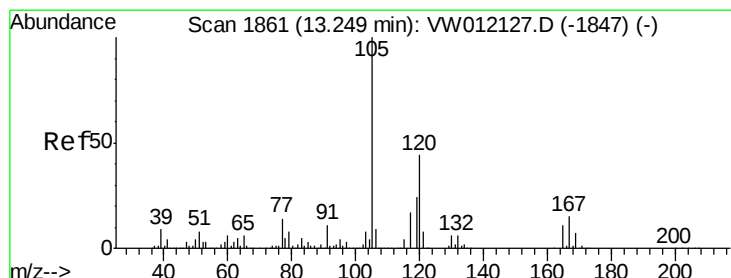
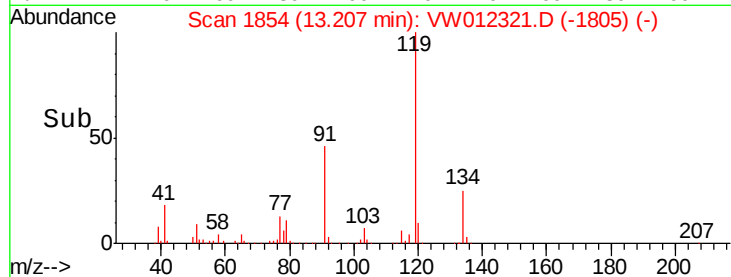
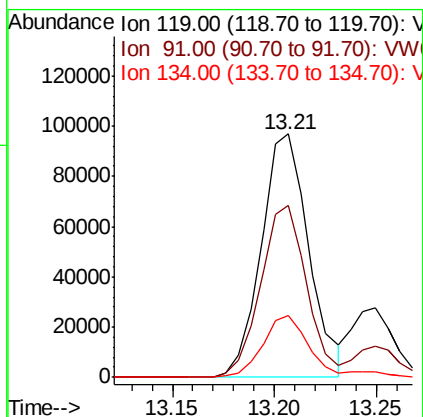
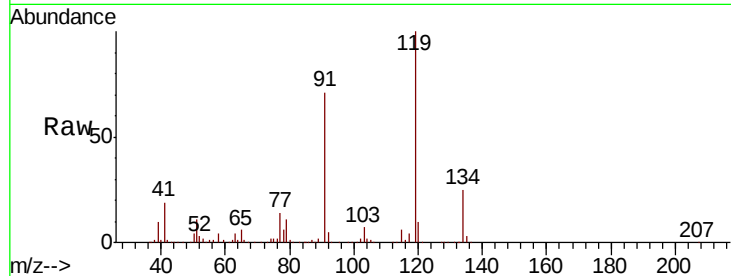




#83
tert-Butylbenzene
Concen: 21.051 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

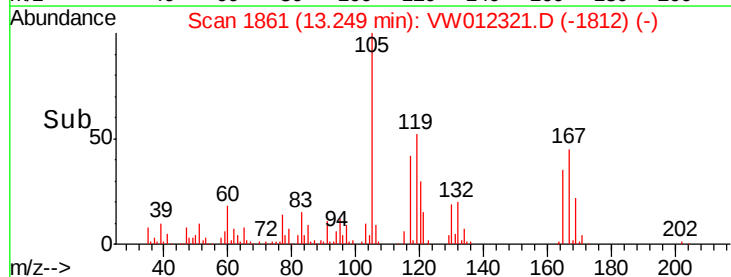
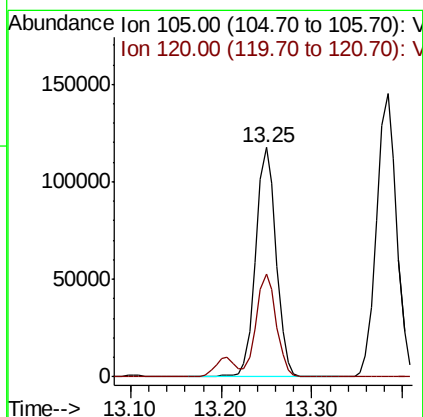
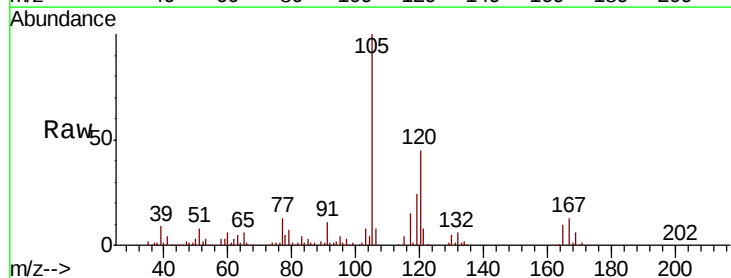
Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

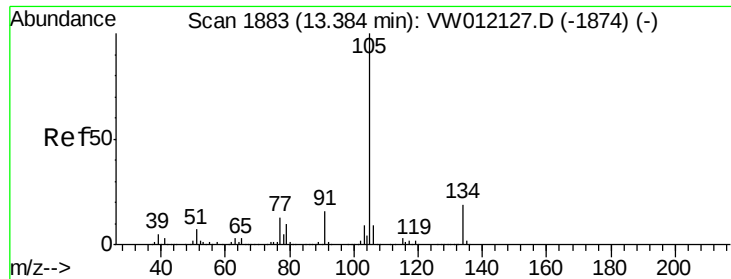
Tgt Ion:119 Resp: 157707
Ion Ratio Lower Upper
119 100
91 68.3 34.8 104.3
134 24.5 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 20.711 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion:105 Resp: 183996
Ion Ratio Lower Upper
105 100
120 43.4 21.9 65.7

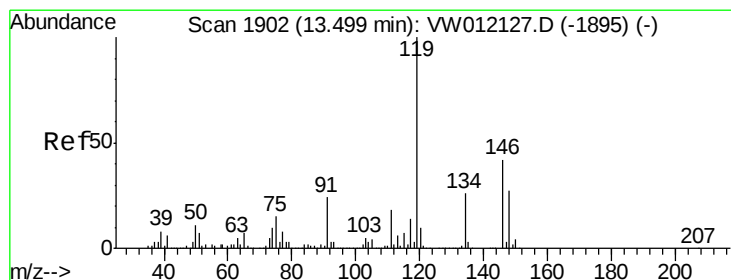
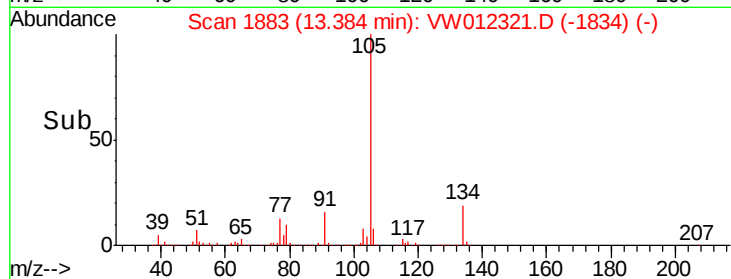
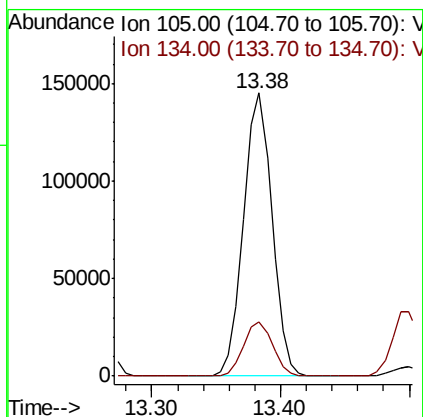
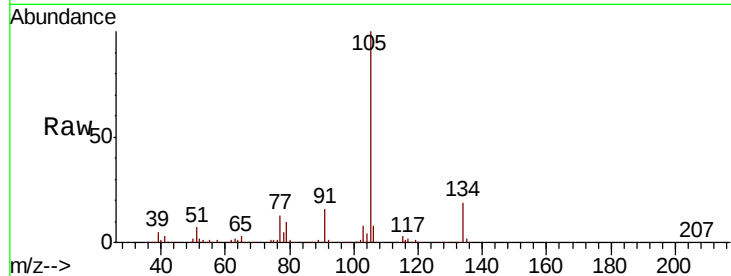




#85
 sec-Butylbenzene
 Concen: 20.713 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

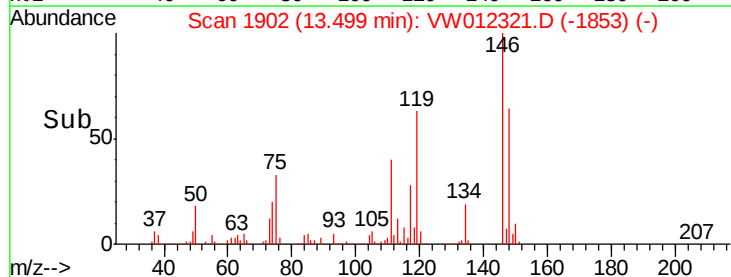
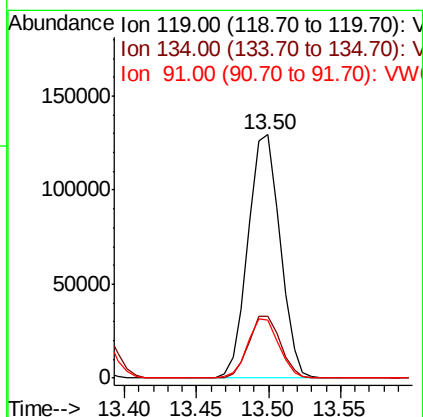
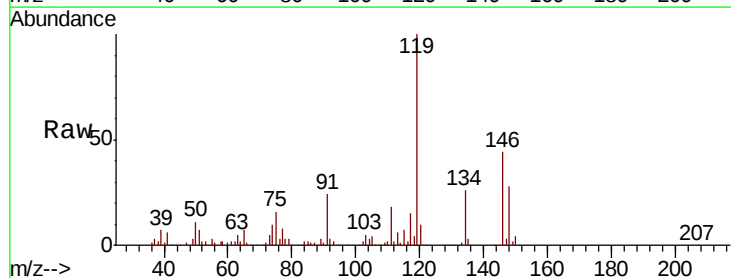
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

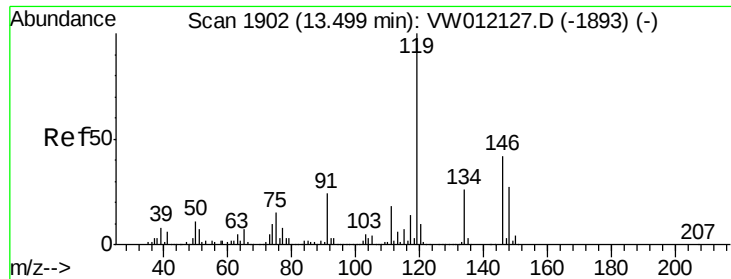
Tgt Ion:105 Resp: 222314
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.769 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion:119 Resp: 199070
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 23.8 12.3 36.9

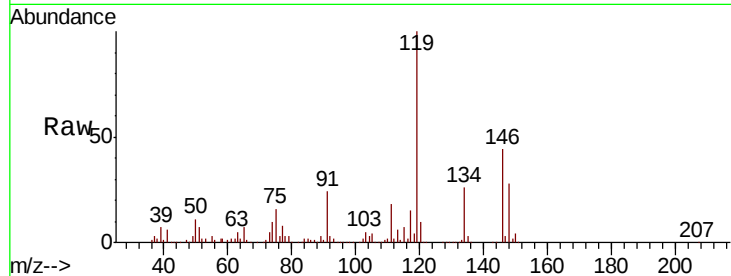




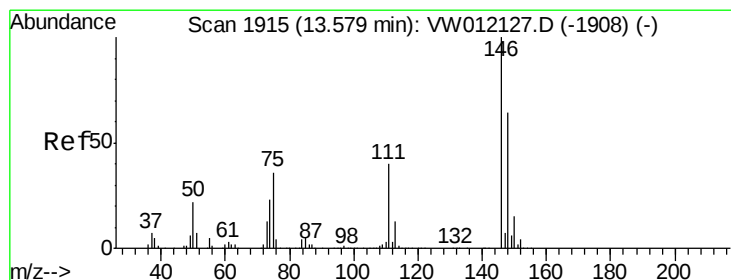
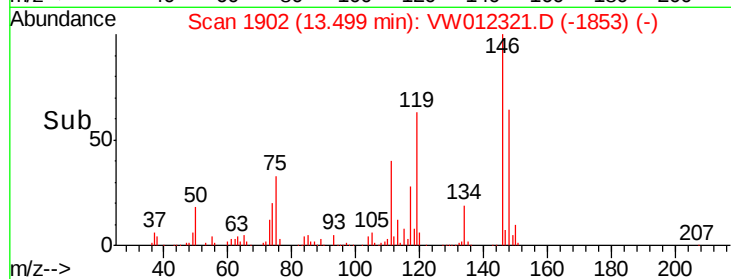
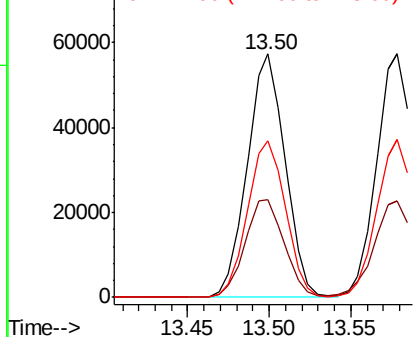
#87
 1,3-Dichlorobenzene
 Concen: 20.764 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

Tgt Ion:146 Resp: 92992
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.9 62.7
 148 64.4 32.2 96.6

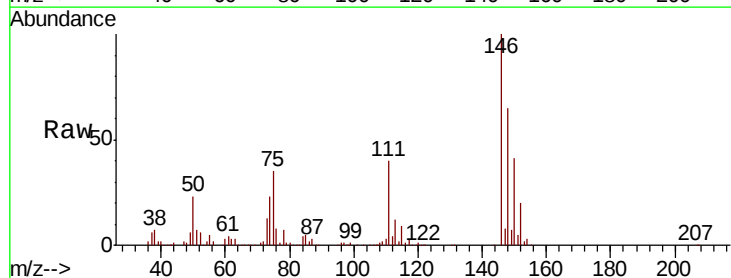


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

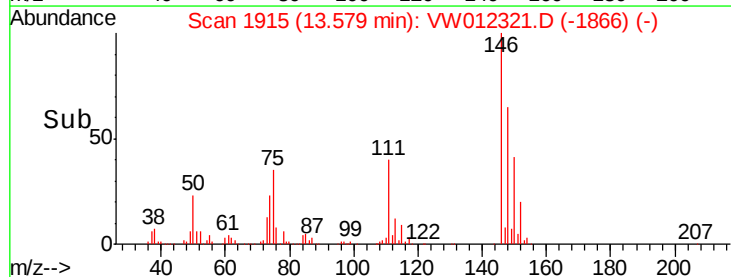
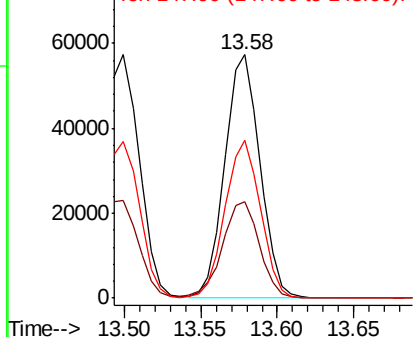


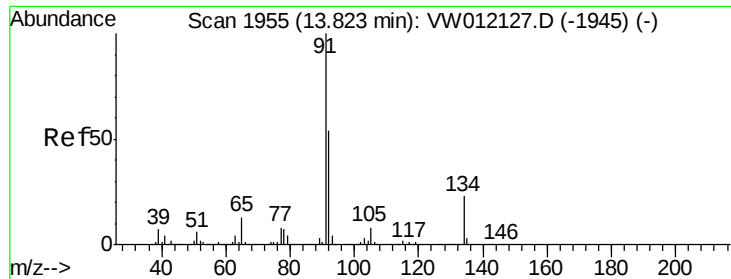
#88
 1,4-Dichlorobenzene
 Concen: 20.572 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion:146 Resp: 91483
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 60.0
 148 65.4 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: 20.312 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

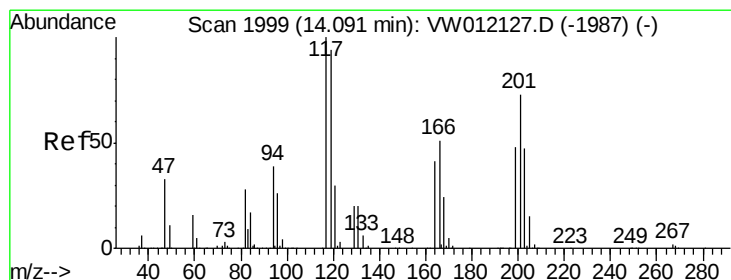
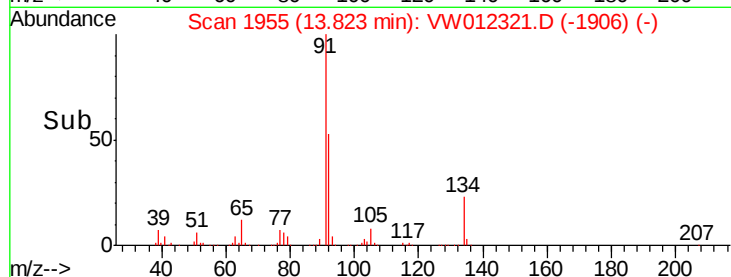
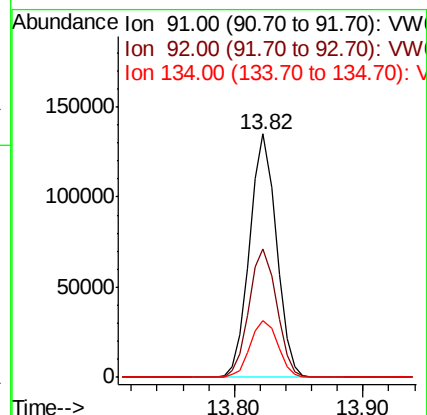
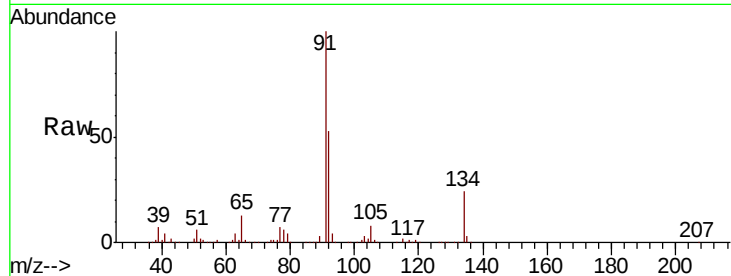
Tgt Ion: 91 Resp: 193615

Ion Ratio Lower Upper

91 100

92 54.5 27.1 81.2

134 24.3 12.2 36.4



#90

Hexachloroethane

Concen: 20.402 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012321.D

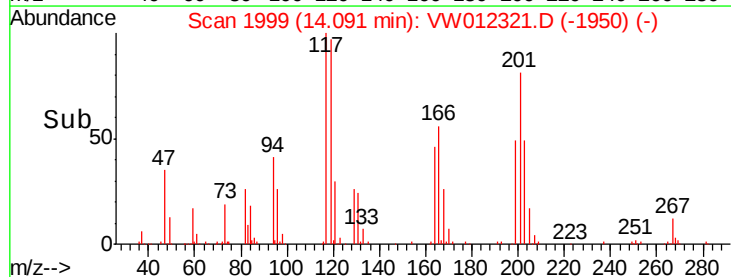
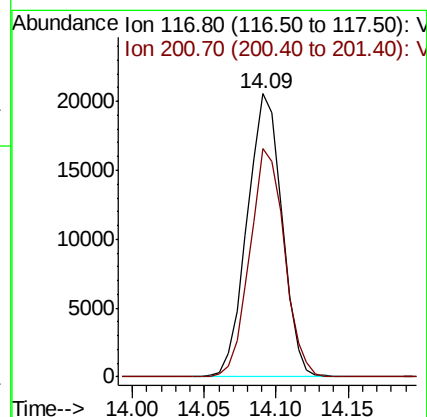
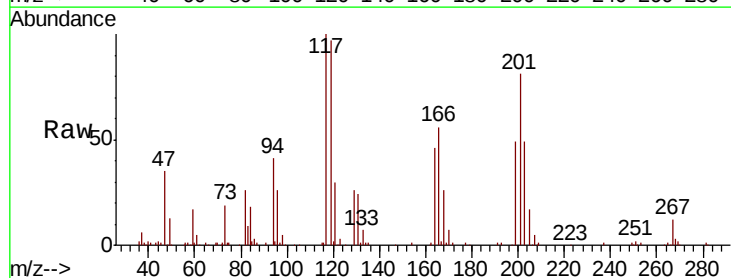
Acq: 30 Aug 2019 00:14

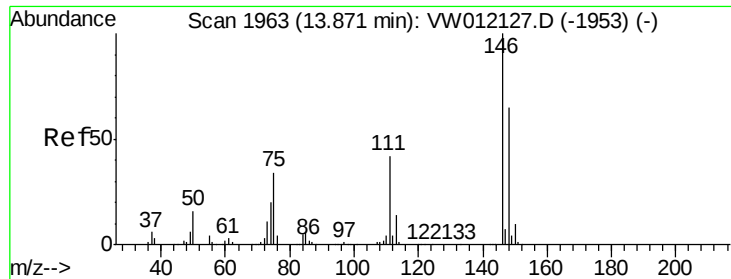
Tgt Ion: 117 Resp: 34310

Ion Ratio Lower Upper

117 100

201 80.2 38.6 115.7

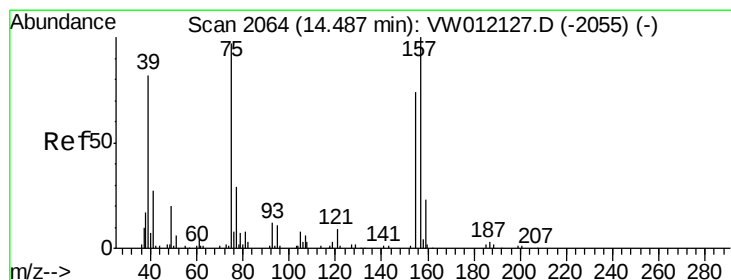
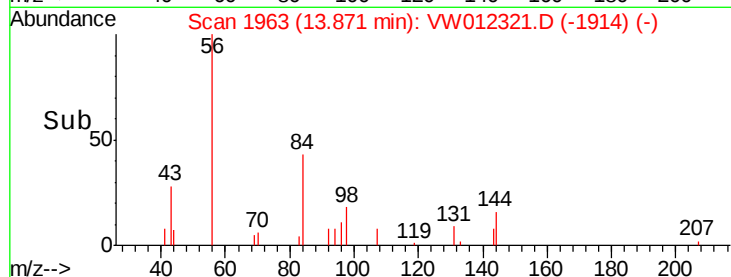
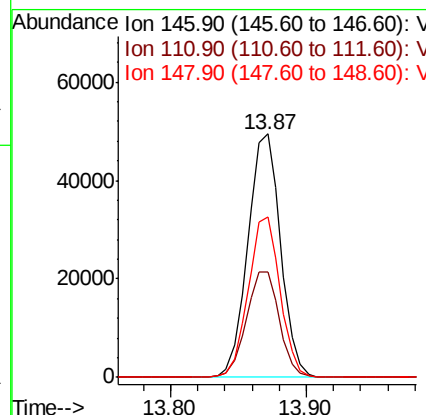
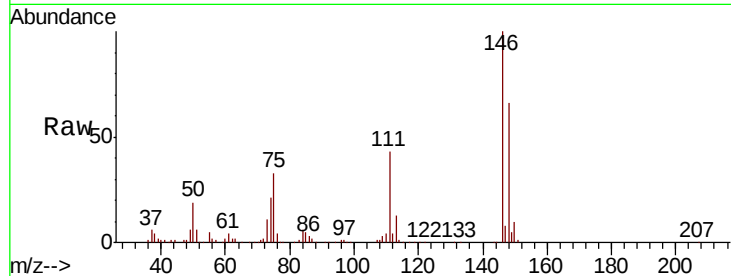




#91
 1,2-Dichlorobenzene
 Concen: 21.158 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

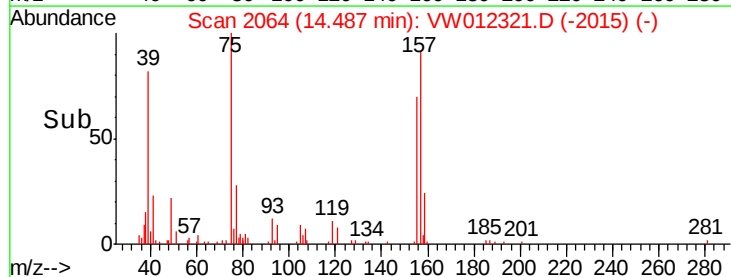
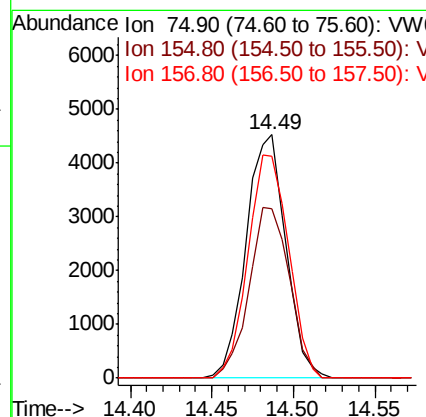
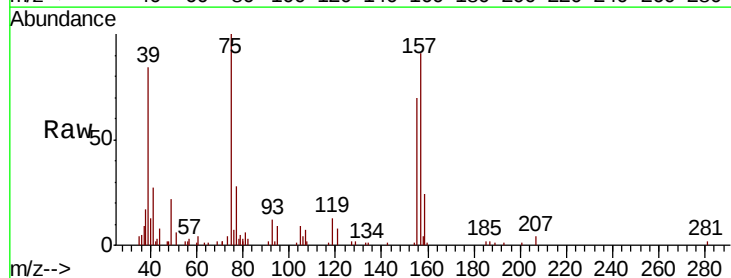
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

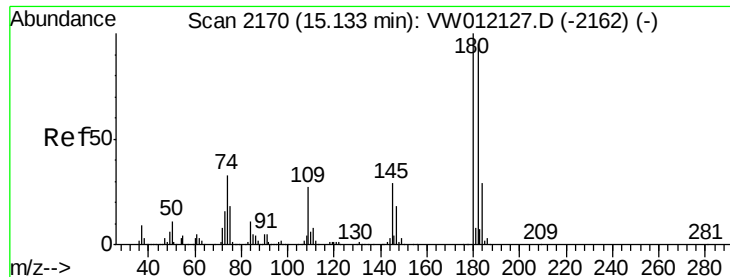
Tgt Ion: 146 Resp: 83127
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.2 63.6
 148 64.2 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.490 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 75 Resp: 7684
 Ion Ratio Lower Upper
 75 100
 155 71.1 37.5 112.3
 157 93.7 50.5 151.5

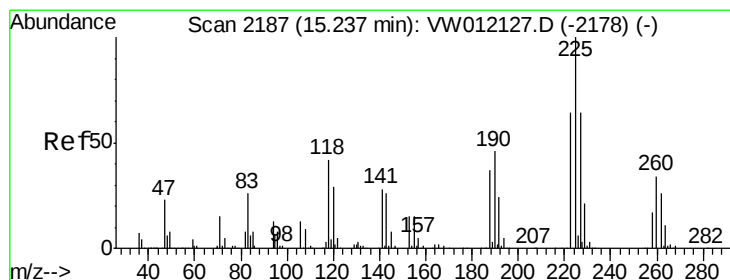
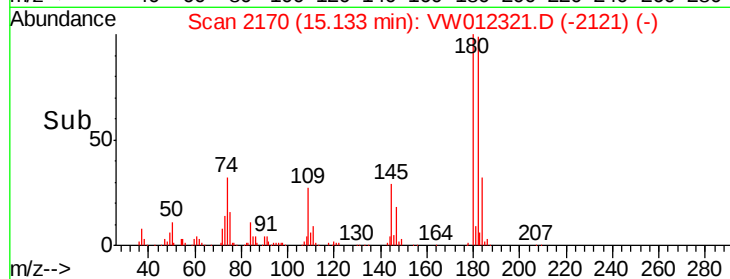
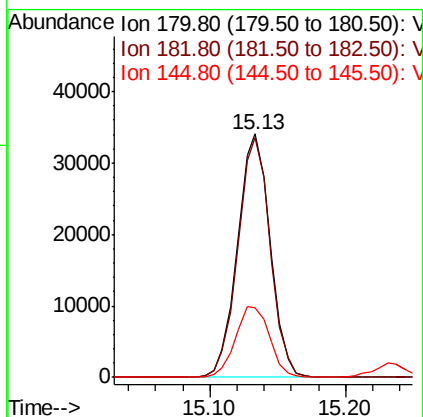
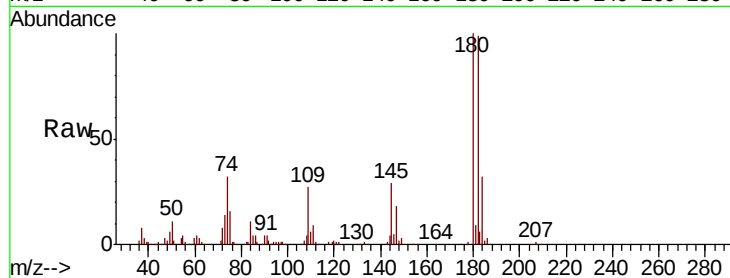




#93
 1,2,4-Trichlorobenzene
 Concen: 20.996 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

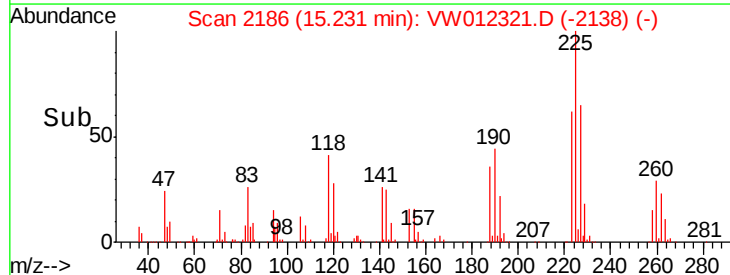
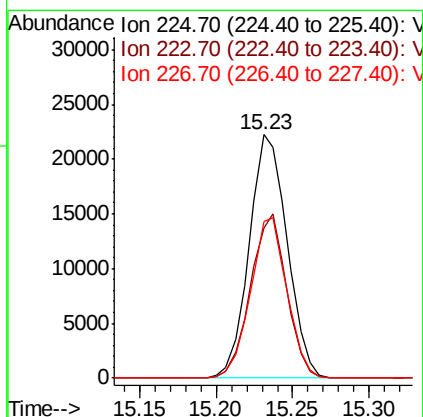
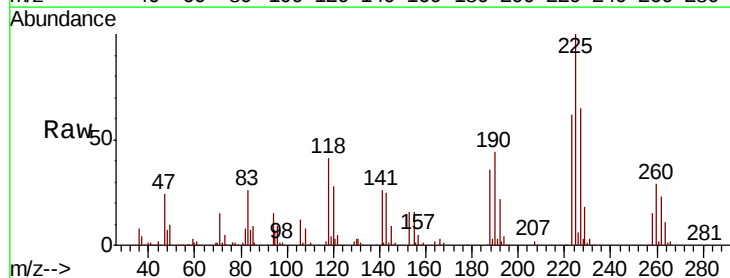
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD02

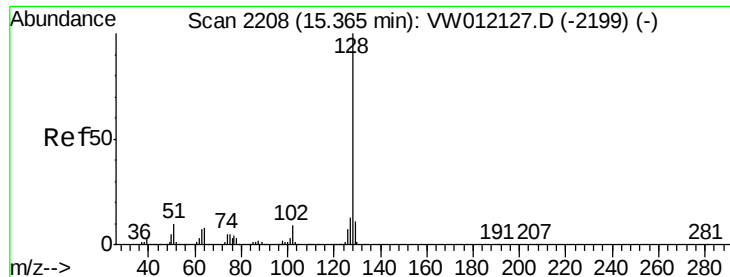
Tgt Ion:180 Resp: 57006
 Ion Ratio Lower Upper
 180 100
 182 97.3 47.8 143.4
 145 30.5 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 21.419 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion:225 Resp: 38400
 Ion Ratio Lower Upper
 225 100
 223 64.0 32.3 96.8
 227 63.4 32.9 98.6





#95

Naphthalene

Concen: 23.618 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

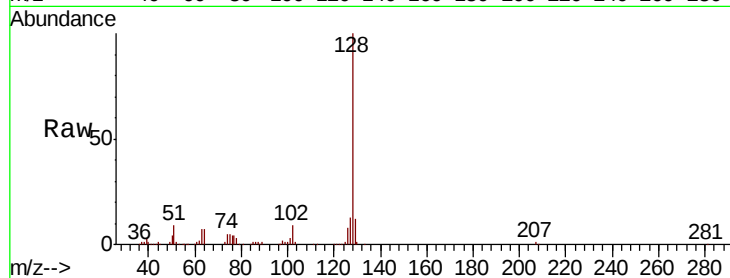
Tgt Ion:128 Resp: 112534

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

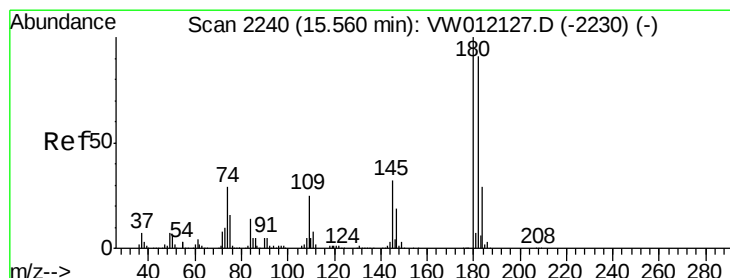
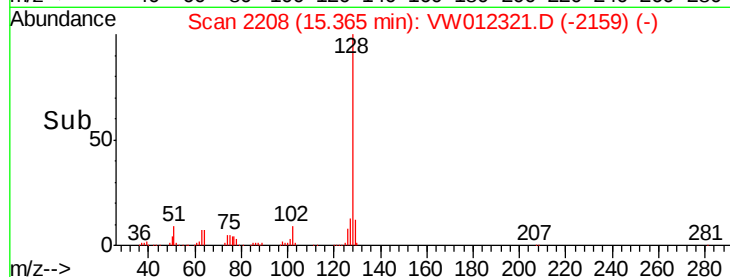
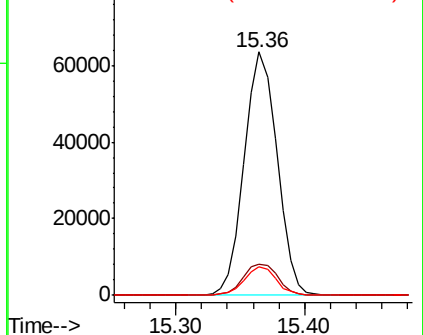
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.761 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

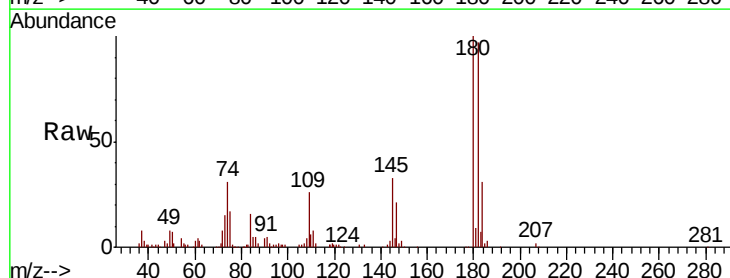
Tgt Ion:180 Resp: 51549

Ion Ratio Lower Upper

180 100

182 97.7 47.1 141.3

145 32.7 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

