

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012134.D
 Acq On : 23 Aug 2019 15:56
 Operator : SY/VA
 Sample : VW0823SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Quant Time: Aug 26 07:27:34 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	265260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	426621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176391	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	160771	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.88	113	129469	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.32	98	531587	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.62	95	186640	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	30556	18.708 ug/l	99
3) Chloromethane	2.21	50	46499	18.376 ug/l	100
4) Vinyl Chloride	2.36	62	57641	18.611 ug/l	97
5) Bromomethane	2.76	94	26571	16.940 ug/l	96
6) Chloroethane	2.92	64	32243	18.454 ug/l	99
7) Trichlorofluoromethane	3.24	101	26280	16.898 ug/l	91
8) Diethyl Ether	3.68	74	28579	19.360 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50519	19.111 ug/l	99
10) Methyl Iodide	4.27	142	64198	17.949 ug/l	100
11) Tert butyl alcohol	5.20	59	18721	98.654 ug/l	100
12) 1,1-Dichloroethene	4.04	96	49886	18.749 ug/l	98
13) Acrolein	3.89	56	17434	97.599 ug/l	94
14) Allyl chloride	4.67	41	109695	19.285 ug/l	99
15) Acrylonitrile	5.37	53	70087	95.789 ug/l	99
16) Acetone	4.13	43	71282	88.434 ug/l	95
17) Carbon Disulfide	4.38	76	133826	16.643 ug/l	98
18) Methyl Acetate	4.67	43	40551	20.312 ug/l	100
19) Methyl tert-butyl Ether	5.42	73	84686	19.682 ug/l	96
20) Methylene Chloride	4.92	84	58924	19.337 ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	53414	18.721 ug/l	99
22) Diisopropyl ether	6.31	45	214515	20.346 ug/l	98
23) Vinyl Acetate	6.25	43	633227	97.590 ug/l	100
24) 1,1-Dichloroethane	6.21	63	112855	19.659 ug/l	99
25) 2-Butanone	7.17	43	103534	94.523 ug/l	100
26) 2,2-Dichloropropane	7.16	77	62588	19.262 ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	59440	19.499 ug/l	98
28) Bromochloromethane	7.51	49	51880	20.735 ug/l	100
29) Tetrahydrofuran	7.53	42	65210	99.232 ug/l	99
30) Chloroform	7.67	83	104814	19.956 ug/l	97
31) Cyclohexane	7.95	56	104018	18.314 ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	81223	19.549 ug/l	99
36) 1,1-Dichloropropene	8.08	75	83800	19.008 ug/l	99
37) Ethyl Acetate	7.25	43	46160	19.107 ug/l	97
38) Carbon Tetrachloride	8.07	117	72574	19.019 ug/l	98

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 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VW0823SBS01

Quant Time: Aug 26 07:27:34 2019
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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)
39) Methylcyclohexane	9.34	83	90969	18.367	ug/l	99
40) Benzene	8.32	78	235566	19.568	ug/l	100
41) Methacrylonitrile	7.48	41	29642	20.876	ug/l	93
42) 1,2-Dichloroethane	8.40	62	74628	19.780	ug/l	99
43) Isopropyl Acetate	8.42	43	85948	19.206	ug/l	99
44) Trichloroethene	9.09	130	57476	19.640	ug/l	97
45) 1,2-Dichloropropane	9.37	63	64279	19.840	ug/l	98
46) Dibromomethane	9.46	93	28344	19.663	ug/l	97
47) Bromodichloromethane	9.65	83	75324	19.634	ug/l	98
48) Methyl methacrylate	9.43	41	40647	19.084	ug/l	96
49) 1,4-Dioxane	9.46	88	8477	384.139	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	223374	98.139	ug/l	100
52) Toluene	10.38	92	142352	19.684	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	75912	19.425	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	90750	19.233	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	40434	19.825	ug/l	96
56) Ethyl methacrylate	10.65	69	58235	19.619	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75786	19.663	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	147499	96.821	ug/l	99
59) 2-Hexanone	10.97	43	155171	96.351	ug/l	100
60) Dibromochloromethane	11.13	129	43898	19.324	ug/l	99
61) 1,2-Dibromoethane	11.24	107	37569	19.772	ug/l	98
64) Tetrachloroethene	10.86	164	46293	19.341	ug/l	99
65) Chlorobenzene	11.66	112	143308	19.714	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	50196	19.793	ug/l	99
67) Ethyl Benzene	11.73	91	273543	19.534	ug/l	98
68) m/p-Xylenes	11.84	106	199875	39.625	ug/l	98
69) o-Xylene	12.16	106	91988	19.704	ug/l	99
70) Styrene	12.18	104	159347	19.719	ug/l	99
71) Bromoform	12.35	173	23674	18.736	ug/l #	98
73) Isopropylbenzene	12.46	105	260450	19.705	ug/l	99
74) N-amyl acetate	12.27	43	76804	19.233	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47481	19.595	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63690	37.074	ug/l #	100
77) Bromobenzene	12.74	156	56226	19.664	ug/l	100
78) n-propylbenzene	12.80	91	318052	19.711	ug/l	99
79) 2-Chlorotoluene	12.89	91	181398	19.801	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	218820	19.813	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15006	19.152	ug/l	96
82) 4-Chlorotoluene	12.99	91	193727	20.197	ug/l	99
83) tert-Butylbenzene	13.21	119	185664	19.846	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	220885	19.910	ug/l	100
85) sec-Butylbenzene	13.38	105	267461	19.955	ug/l	99
86) p-Isopropyltoluene	13.50	119	238838	19.953	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	111916	20.010	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110345	19.870	ug/l	98
89) n-Butylbenzene	13.82	91	235870	19.815	ug/l	99
90) Hexachloroethane	14.10	117	41044	19.544	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	98188	20.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7539	18.455	ug/l	97

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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	69081	20.374	ug/l	100
94) Hexachlorobutadiene	15.24	225	45121	20.154	ug/l	98
95) Naphthalene	15.37	128	118027	20.527	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	59817	20.220	ug/l	99

(#) = 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: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampled :

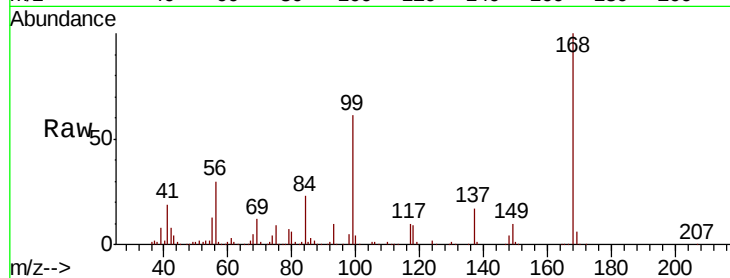
VW0823SBS01

Tgt Ion:168 Resp: 265260

Ion Ratio Lower Upper

168 100

99 60.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

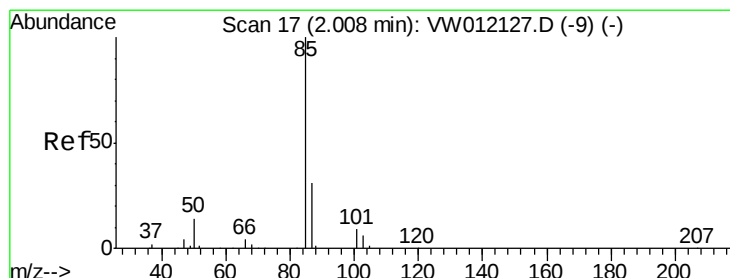
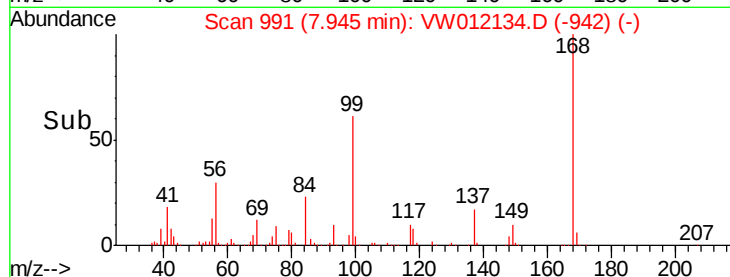
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.708 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012134.D

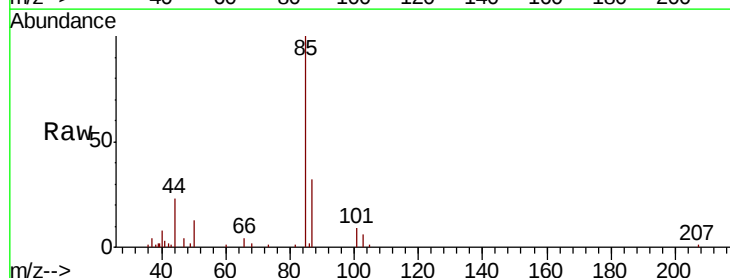
Acq: 23 Aug 2019 15:56

Tgt Ion: 85 Resp: 30556

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

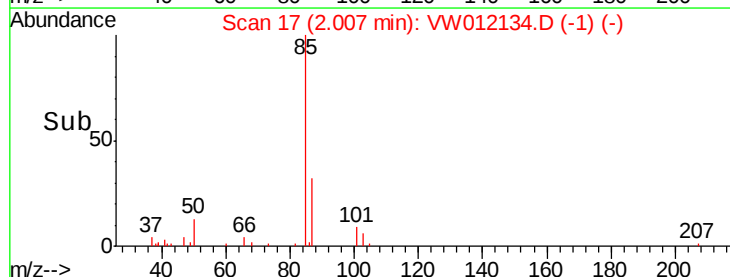
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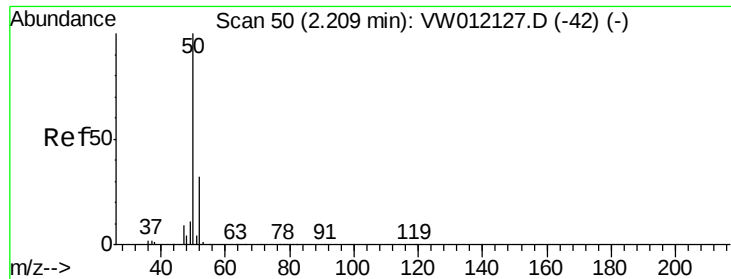
4000

2000

0

Time-->





#3

Chloromethane

Concen: 18.376 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

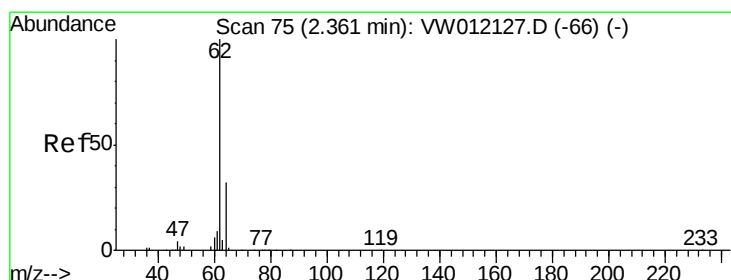
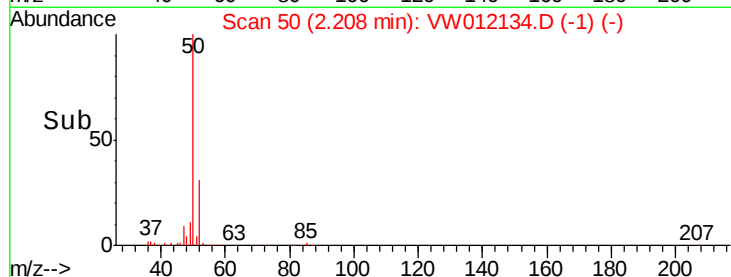
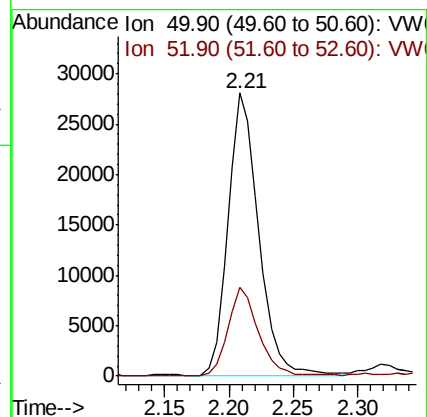
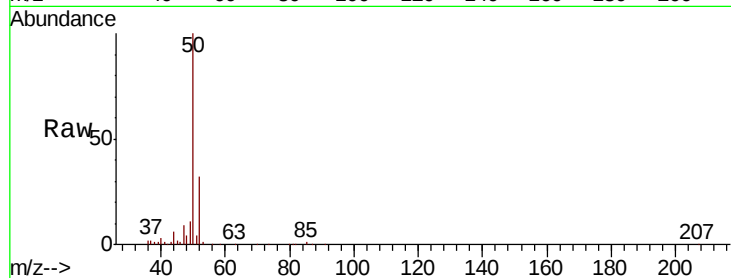
VW0823SBS01

Tgt Ion: 50 Resp: 46499

Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



#4

Vinyl Chloride

Concen: 18.611 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012134.D

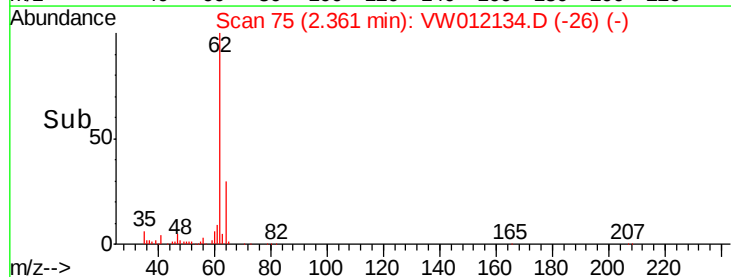
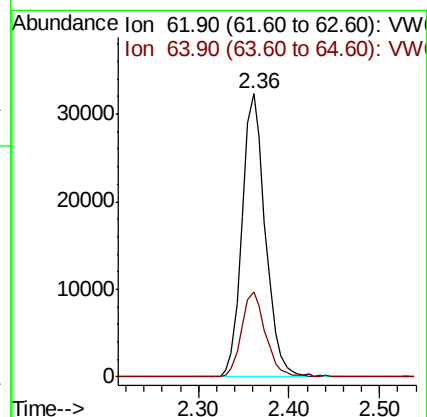
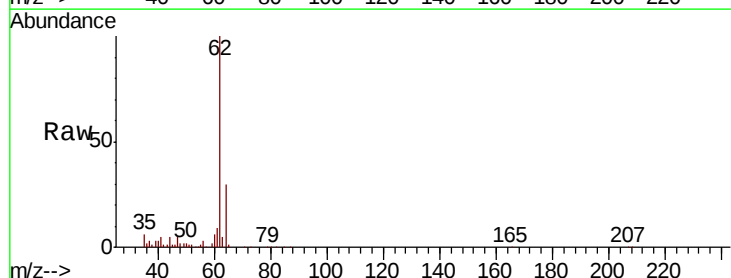
Acq: 23 Aug 2019 15:56

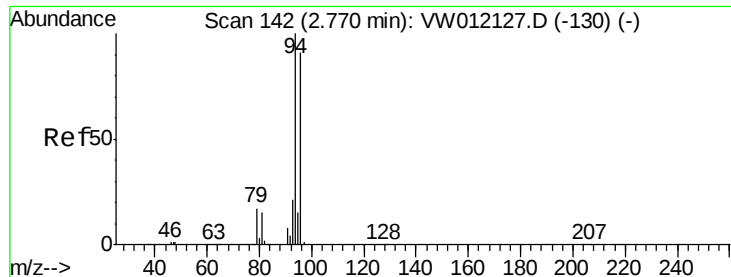
Tgt Ion: 62 Resp: 57641

Ion Ratio Lower Upper

62 100

64 29.8 25.3 37.9





#5

Bromomethane

Concen: 16.940 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

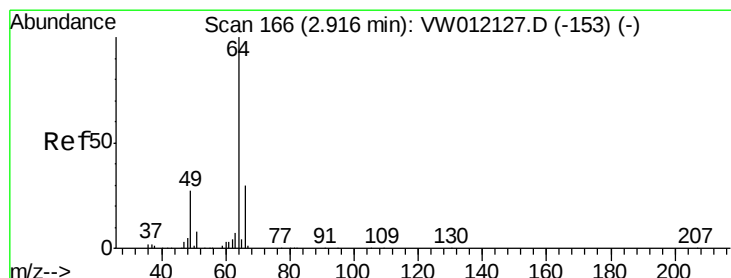
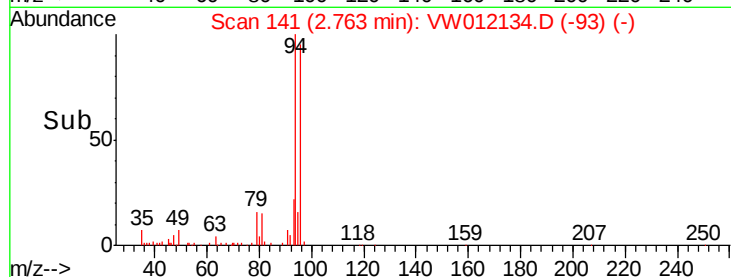
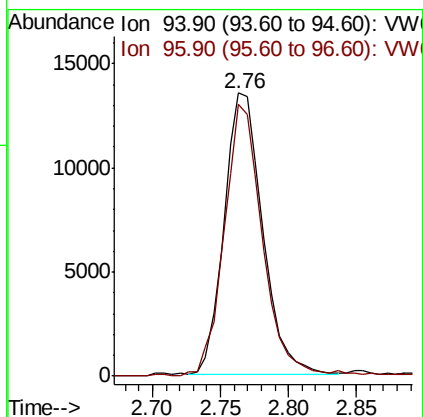
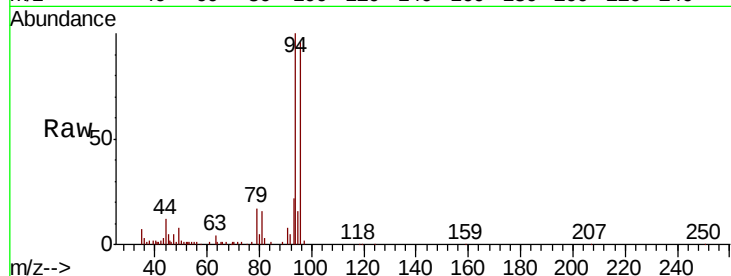
VW0823SBS01

Tgt Ion: 94 Resp: 26571

Ion Ratio Lower Upper

94 100

96 95.1 72.9 109.3



#6

Chloroethane

Concen: 18.454 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012134.D

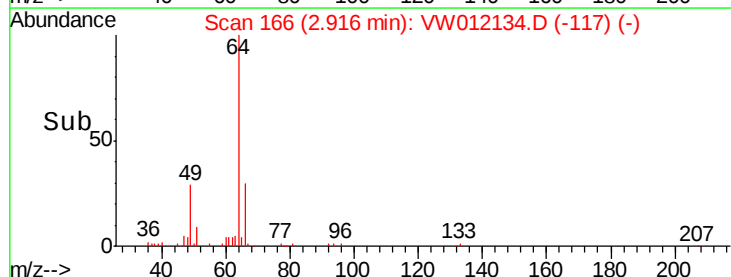
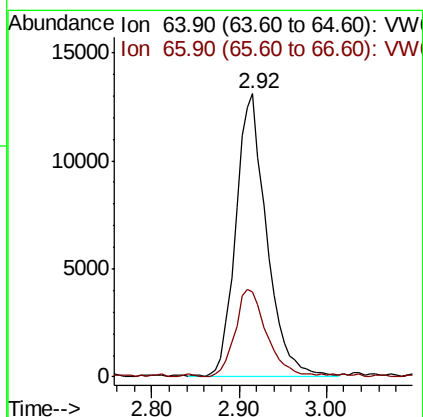
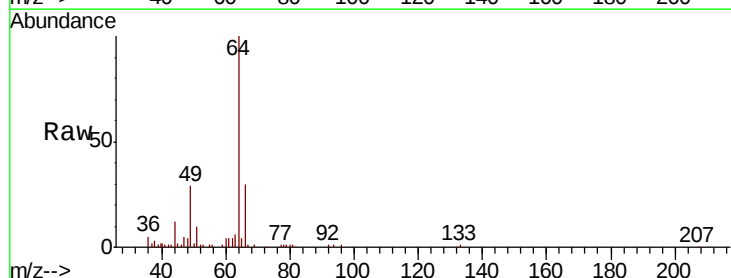
Acq: 23 Aug 2019 15:56

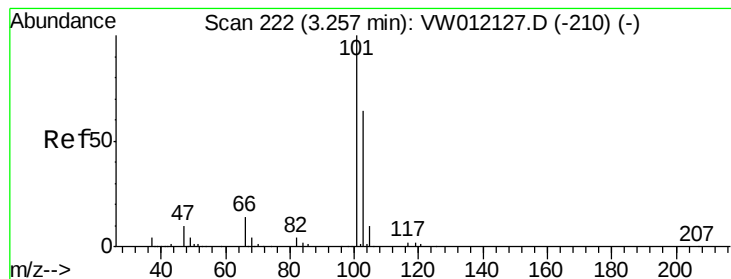
Tgt Ion: 64 Resp: 32243

Ion Ratio Lower Upper

64 100

66 29.2 23.8 35.8



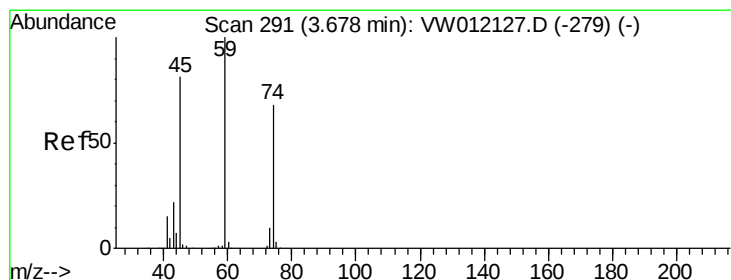
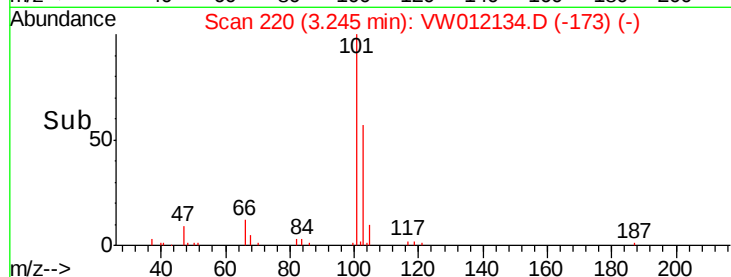
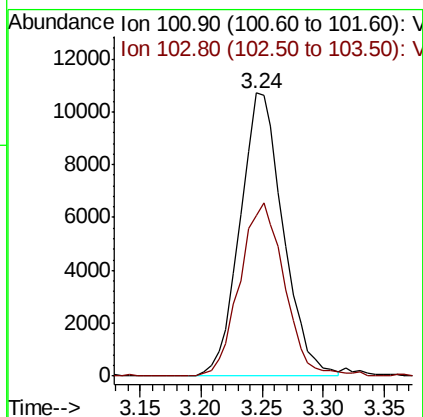
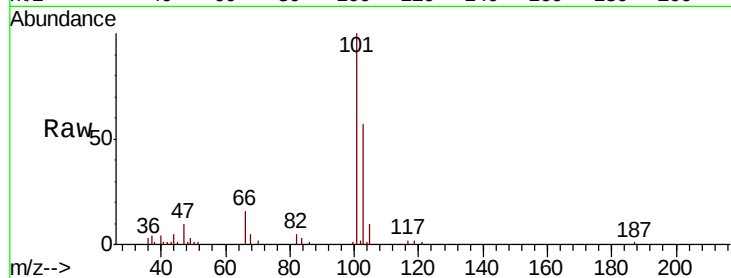


#7

Trichlorofluoromethane
 Concen: 16.898 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Instrument :
 MSVOA_W
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 VW0823SBS01

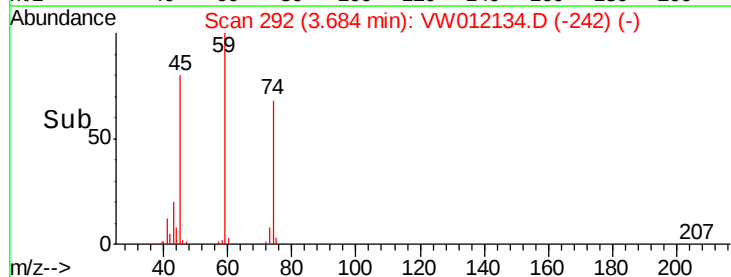
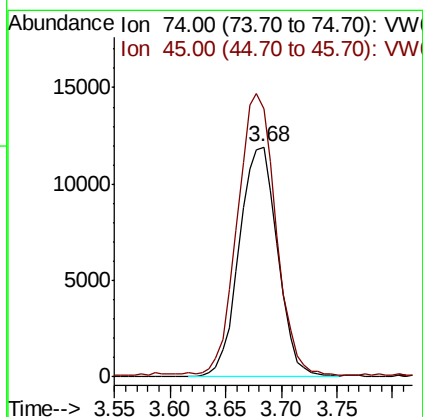
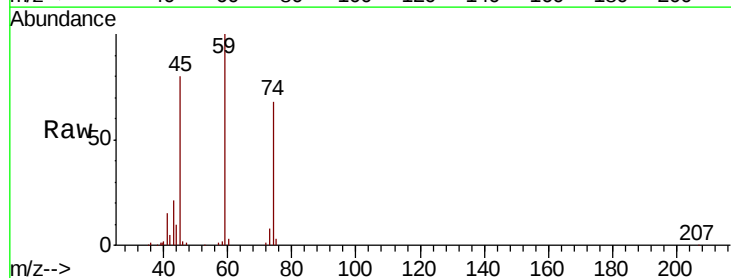
Tgt Ion:101 Resp: 26280
 Ion Ratio Lower Upper
 101 100
 103 56.7 51.2 76.8

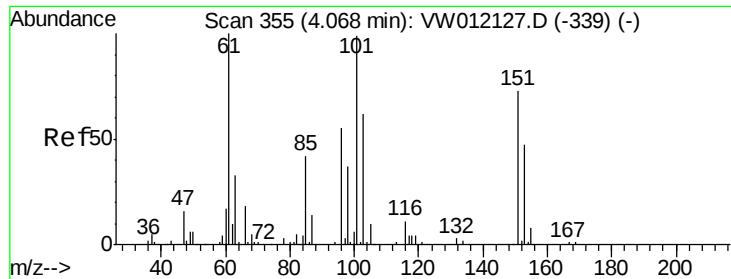


#8

Diethyl Ether
 Concen: 19.360 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 74 Resp: 28579
 Ion Ratio Lower Upper
 74 100
 45 123.9 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.111 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

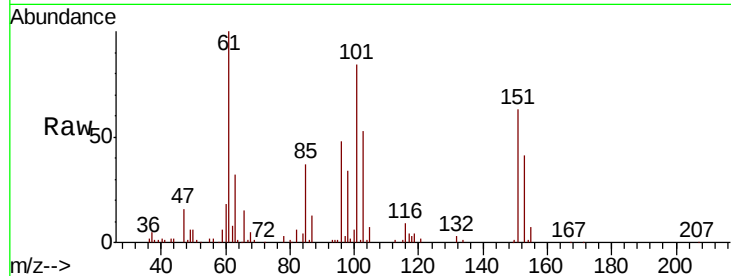
Tgt Ion:101 Resp: 50519

Ion Ratio Lower Upper

101 100

85 45.3 35.8 53.6

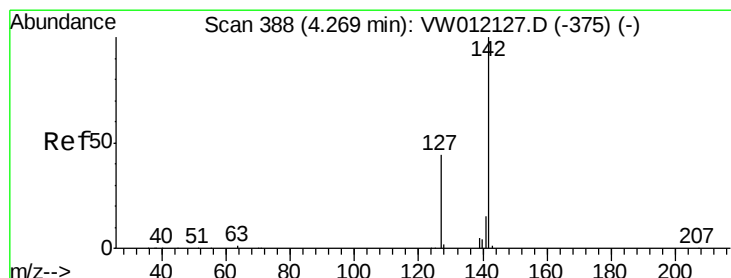
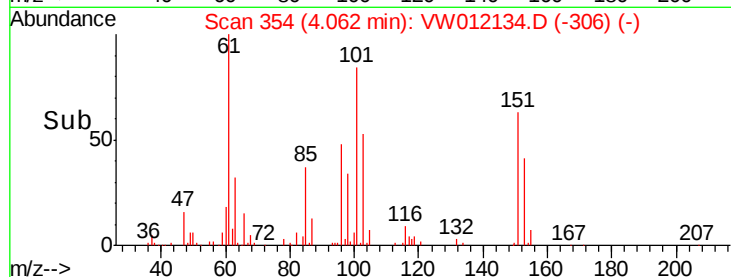
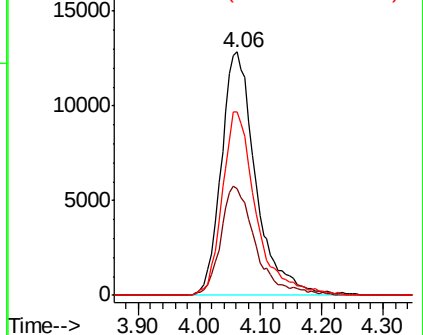
151 73.6 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.949 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

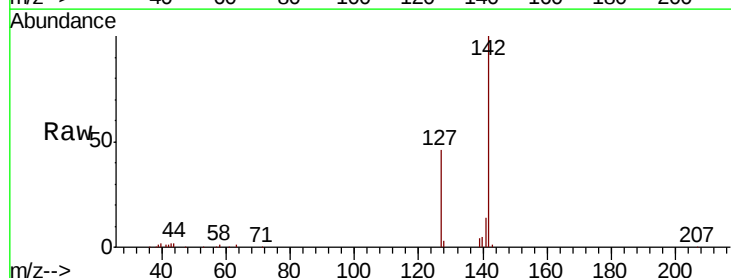
Tgt Ion:142 Resp: 64198

Ion Ratio Lower Upper

142 100

127 44.6 35.5 53.3

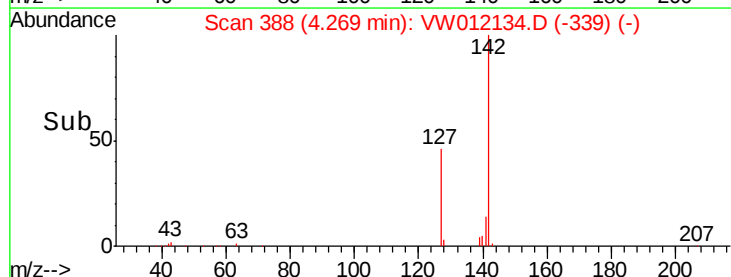
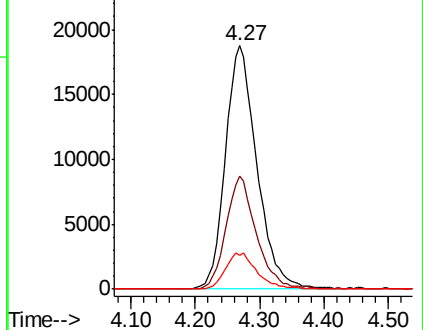
141 14.9 11.8 17.8

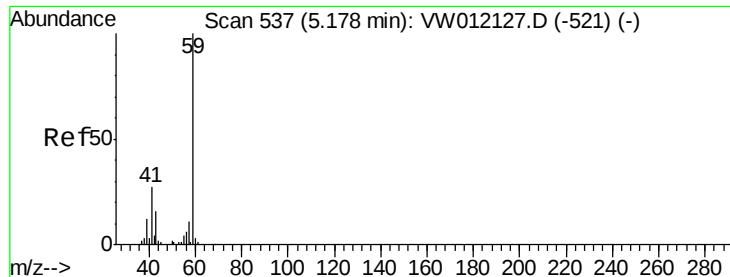


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



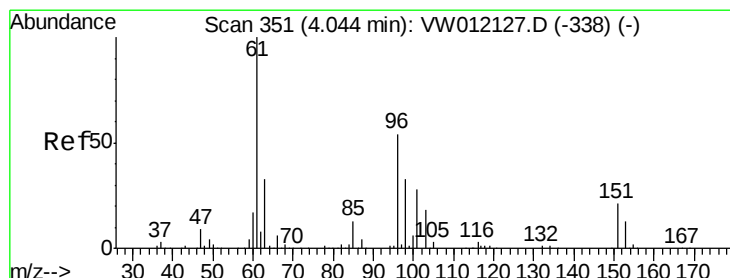
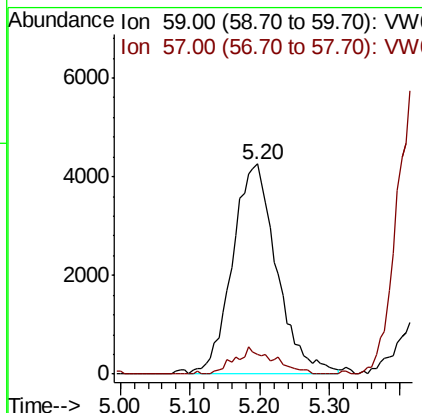
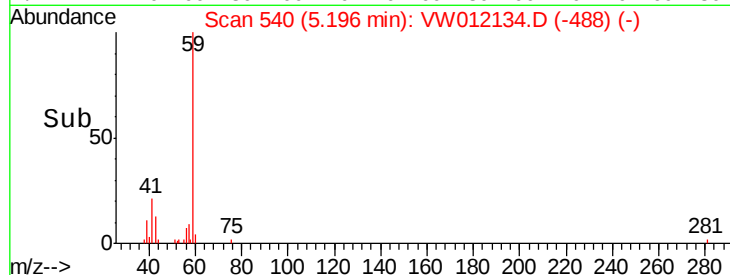
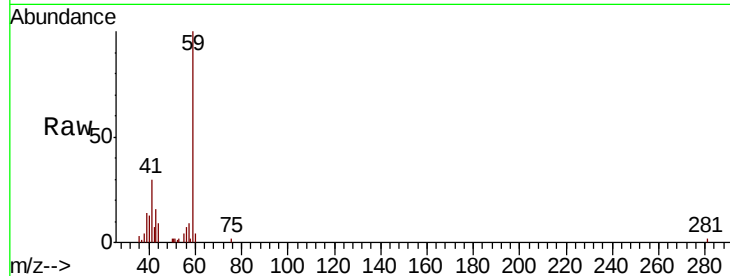


#11

Tert butyl alcohol
 Concen: 98.654 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

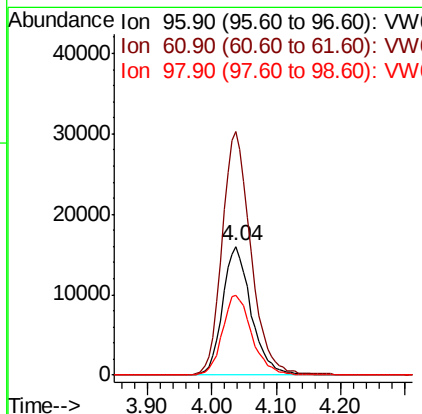
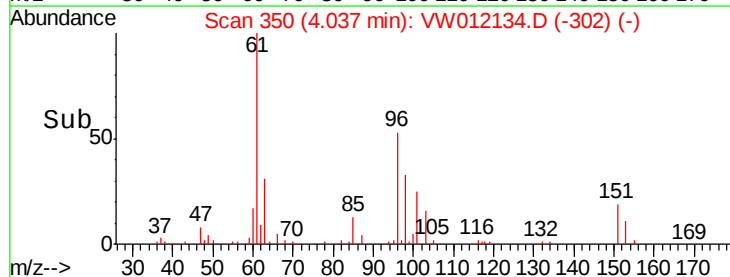
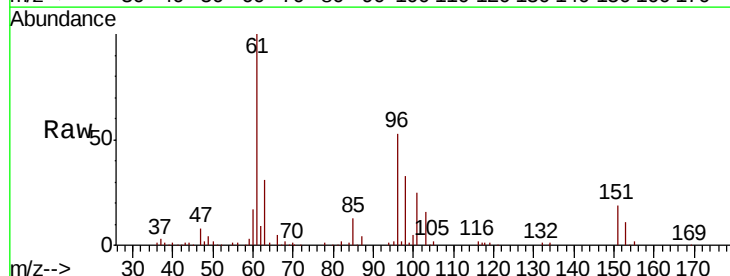
Tgt Ion: 59 Resp: 18721
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.0 13.4

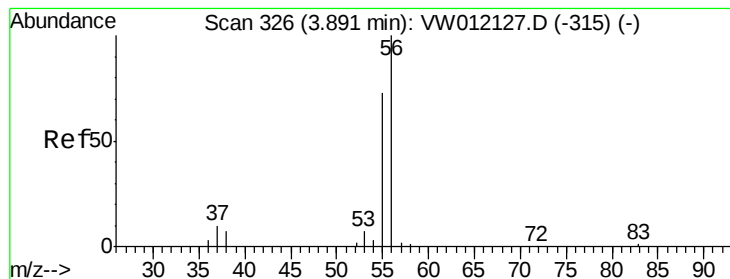


#12

1,1-Dichloroethene
 Concen: 18.749 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 96 Resp: 49886
 Ion Ratio Lower Upper
 96 100
 61 189.6 149.1 223.7
 98 62.4 49.4 74.2





#13

Acrolein

Concen: 97.599 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

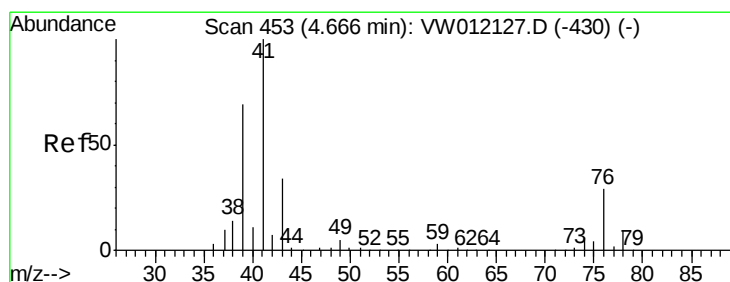
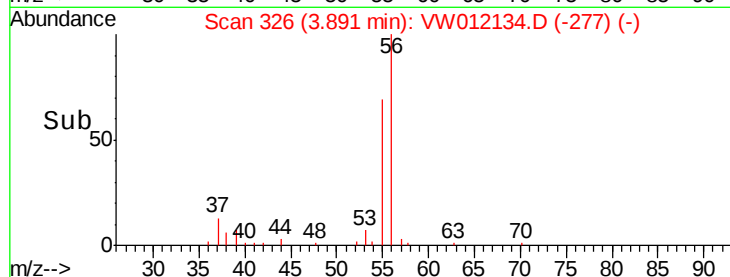
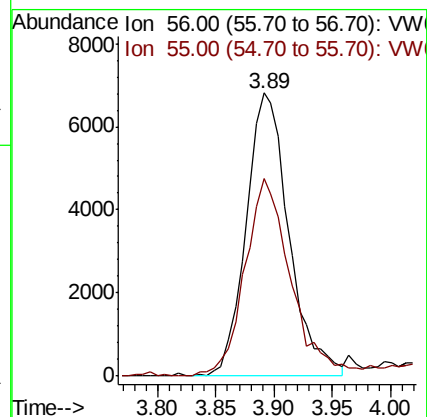
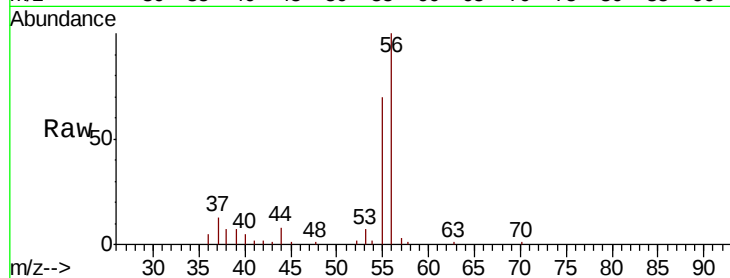
VW0823SBS01

Tgt Ion: 56 Resp: 17434

Ion Ratio Lower Upper

56 100

55 75.0 55.8 83.8



#14

Allyl chloride

Concen: 19.285 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

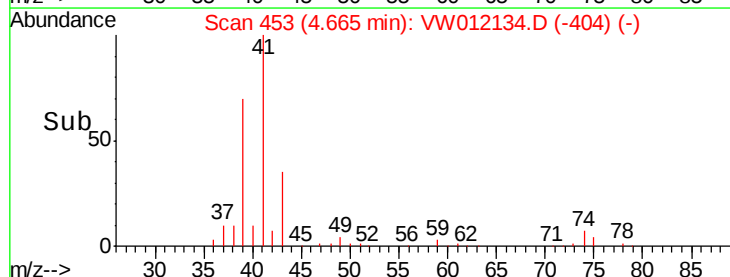
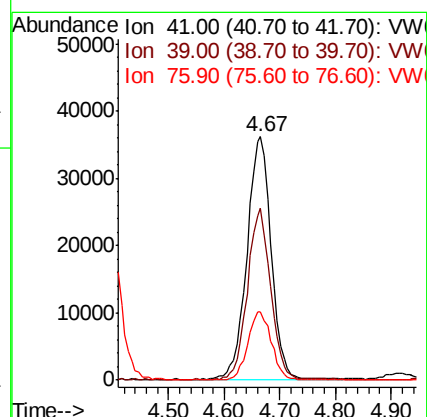
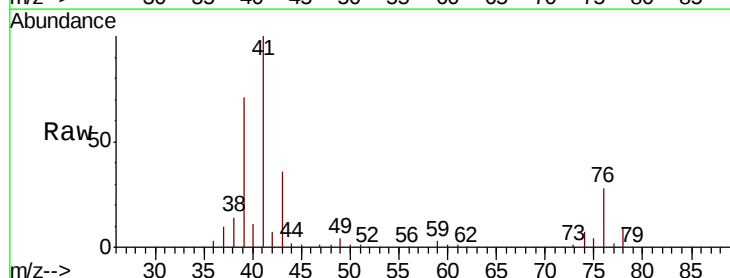
Tgt Ion: 41 Resp: 109695

Ion Ratio Lower Upper

41 100

39 68.0 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 95.789 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

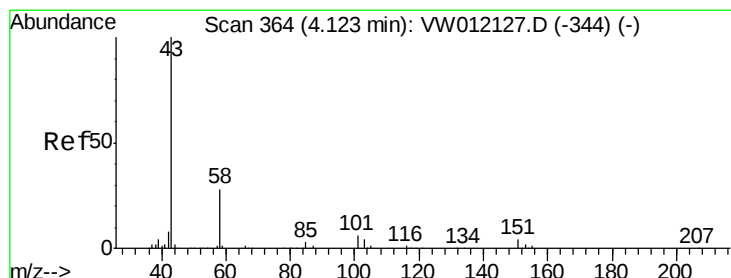
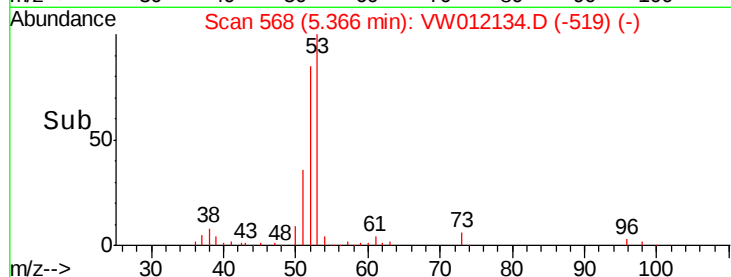
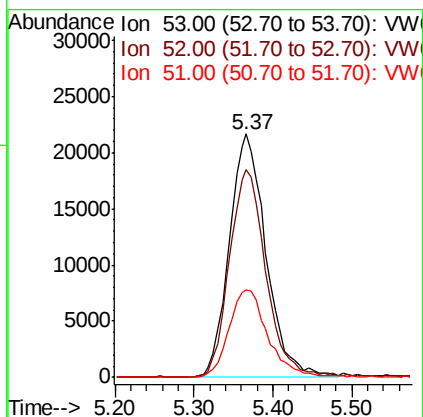
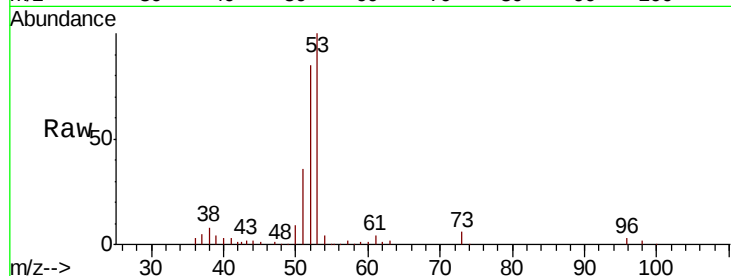
Tgt Ion: 53 Resp: 70087

Ion Ratio Lower Upper

53 100

52 85.2 66.7 100.1

51 37.8 30.1 45.1



#16

Acetone

Concen: 88.434 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012134.D

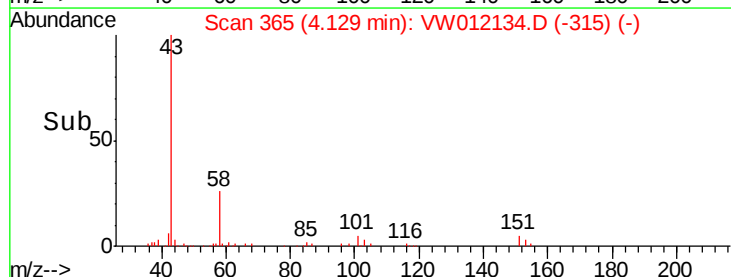
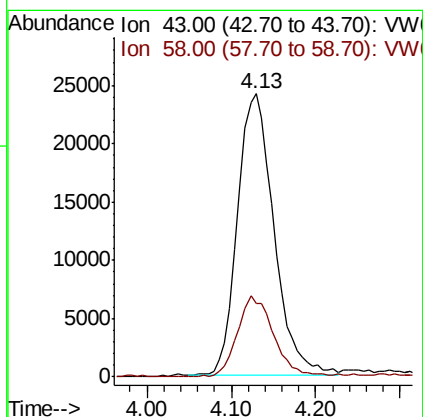
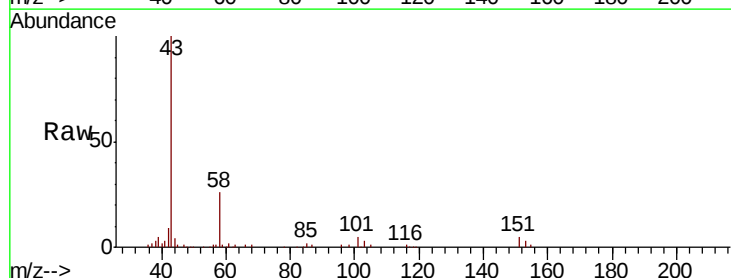
Acq: 23 Aug 2019 15:56

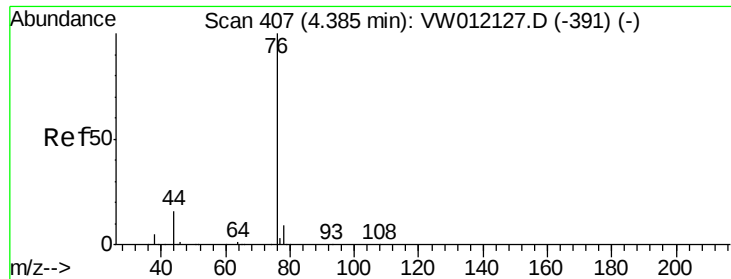
Tgt Ion: 43 Resp: 71282

Ion Ratio Lower Upper

43 100

58 25.6 22.4 33.6

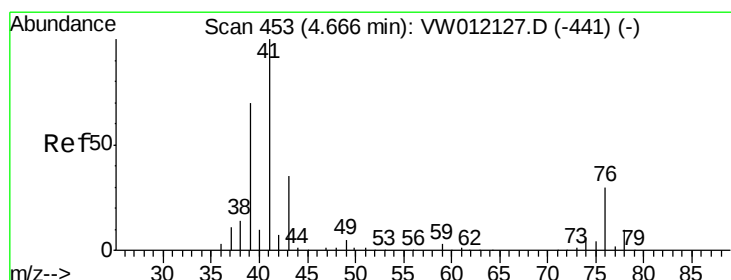
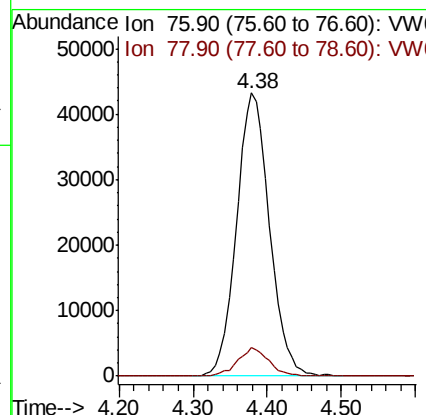
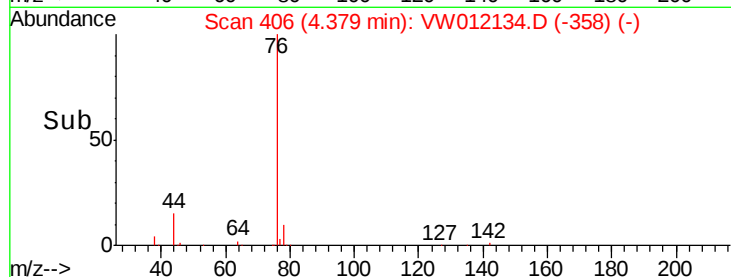
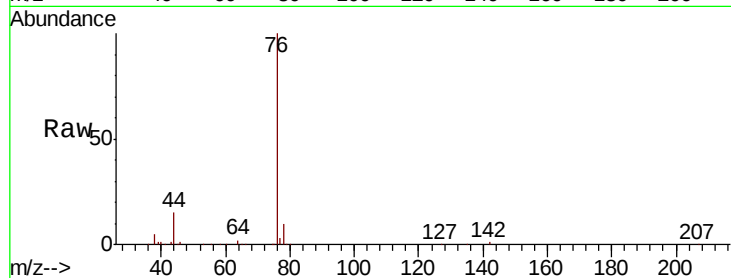




#17
Carbon Disulfide
Concen: 16.643 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

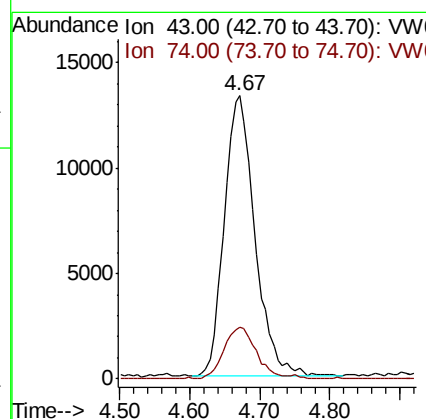
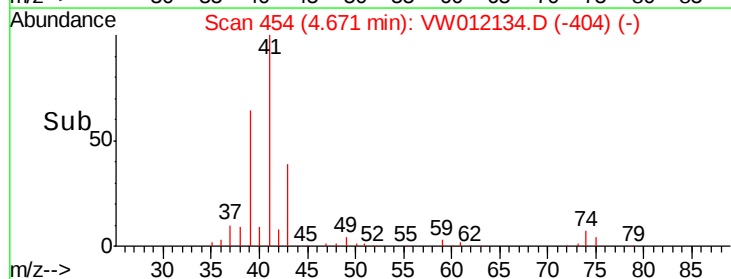
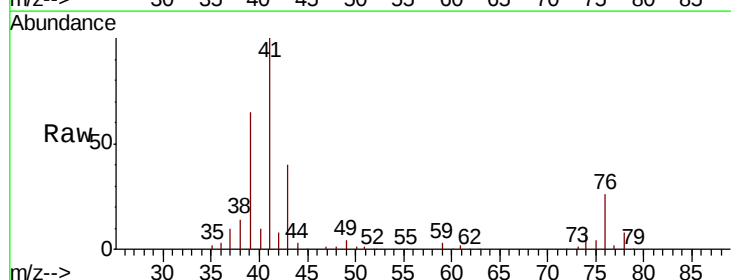
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

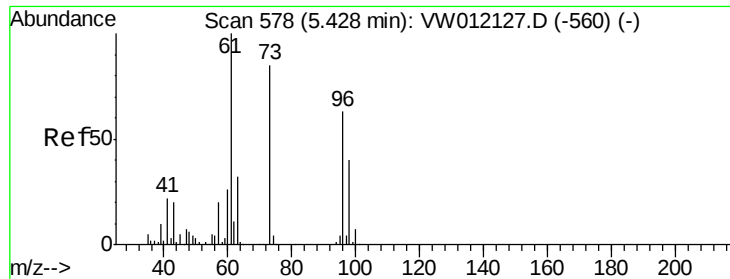
Tgt Ion: 76 Resp: 133826
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9



#18
Methyl Acetate
Concen: 20.312 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion: 43 Resp: 40551
Ion Ratio Lower Upper
43 100
74 19.4 15.7 23.5

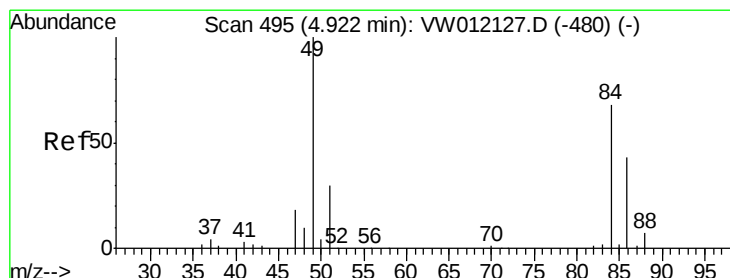
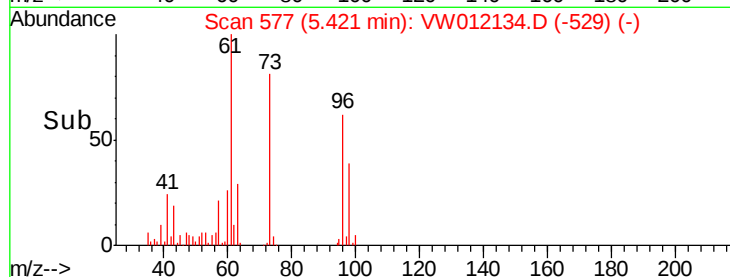
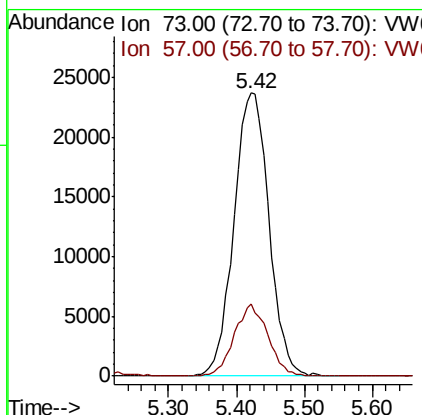
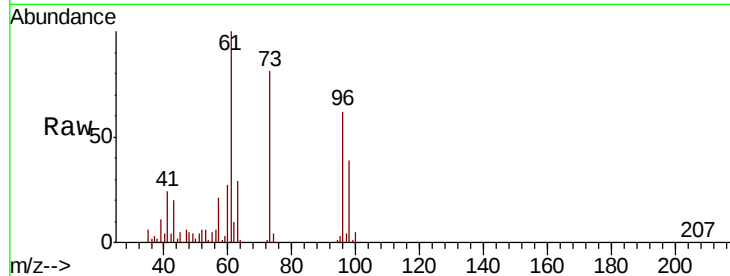




#19
Methyl tert-butyl Ether
Concen: 19.682 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

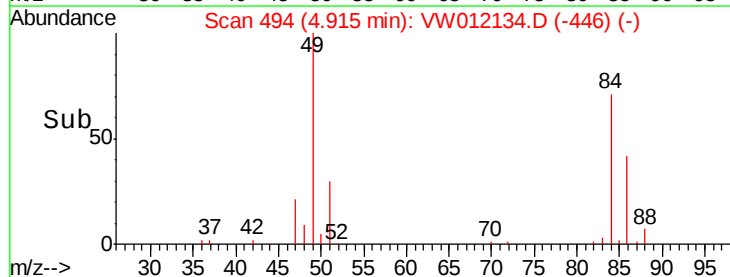
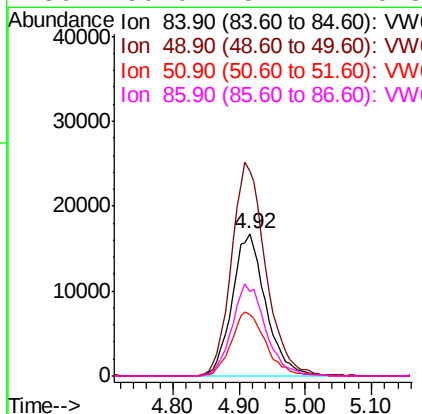
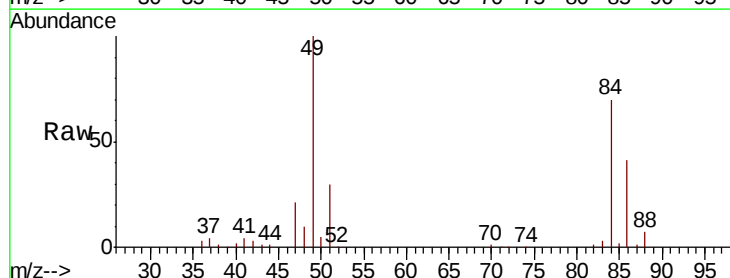
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

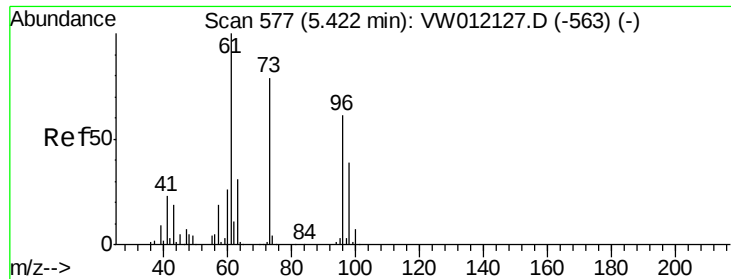
Tgt Ion: 73 Resp: 84686
Ion Ratio Lower Upper
73 100
57 25.5 18.9 28.3



#20
Methylene Chloride
Concen: 19.337 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion: 84 Resp: 58924
Ion Ratio Lower Upper
84 100
49 143.4 117.8 176.8
51 42.8 35.6 53.4
86 59.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.721 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

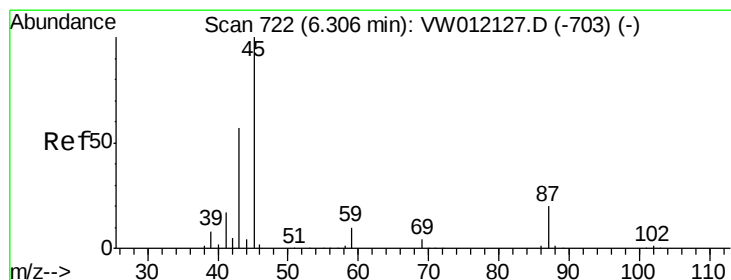
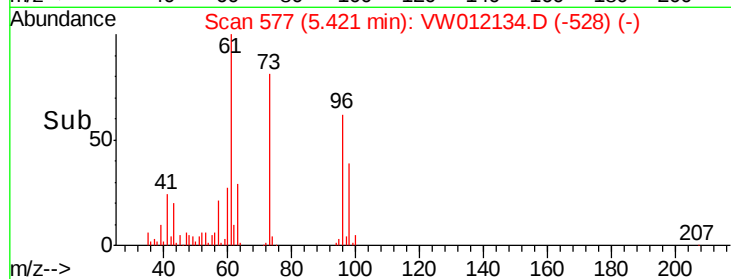
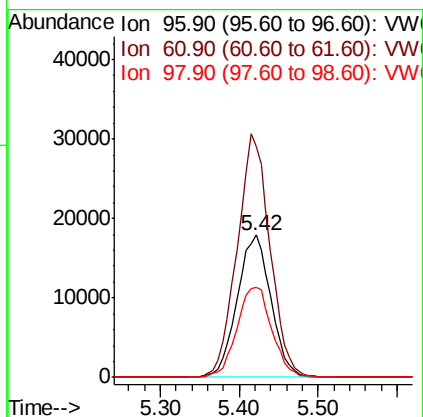
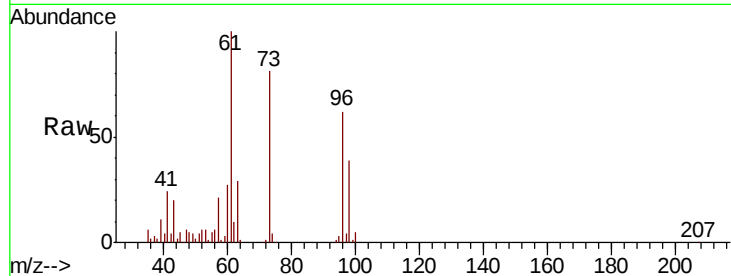
Tgt Ion: 96 Resp: 53414

Ion Ratio Lower Upper

96 100

61 162.3 131.4 197.0

98 63.0 51.4 77.0



#22

Diisopropyl ether

Concen: 20.346 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Tgt Ion: 45 Resp: 214515

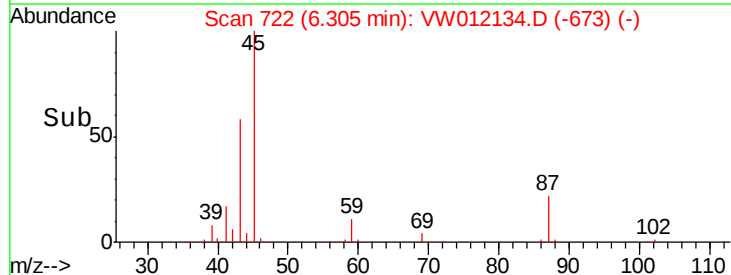
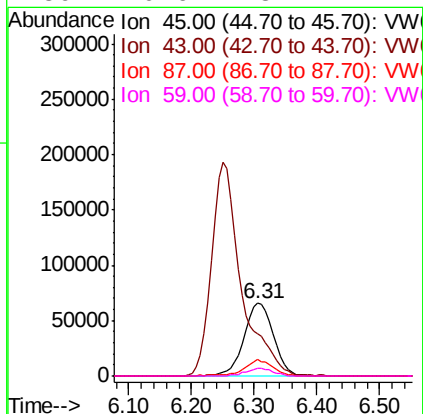
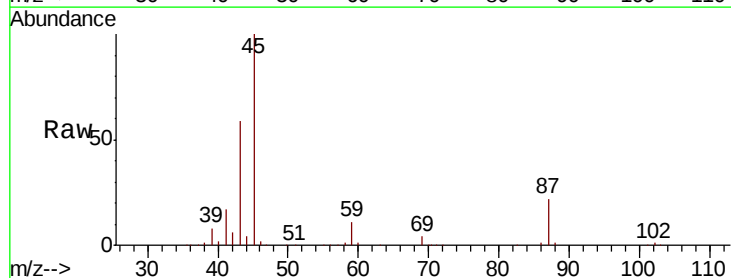
Ion Ratio Lower Upper

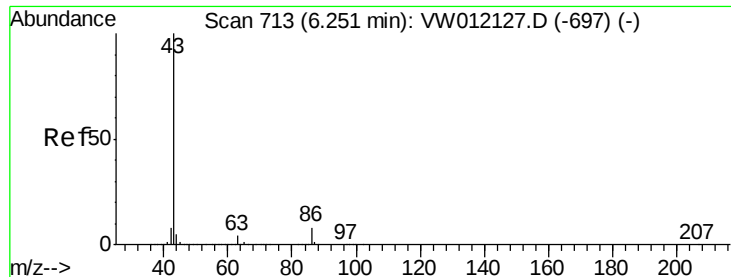
45 100

43 57.9 45.5 68.3

87 22.1 16.1 24.1

59 10.6 8.2 12.2





#23

Vinyl Acetate

Concen: 97.590 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

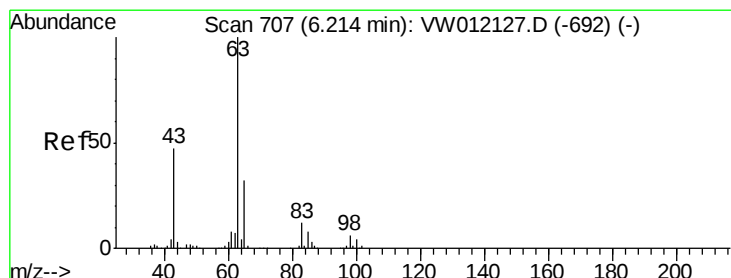
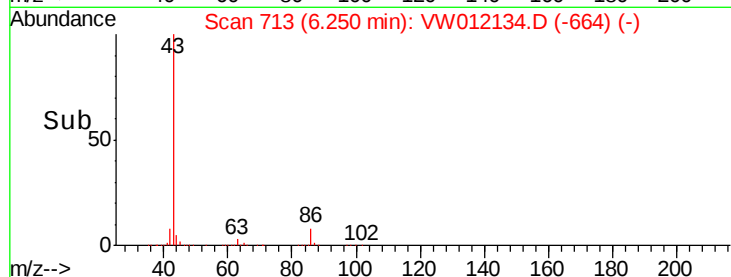
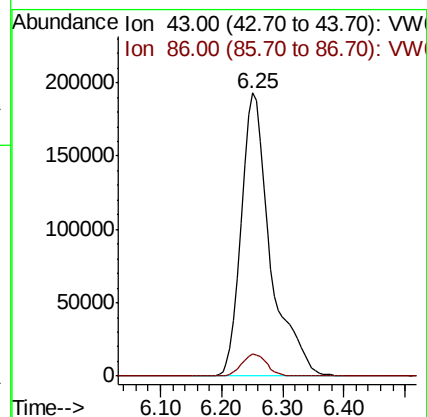
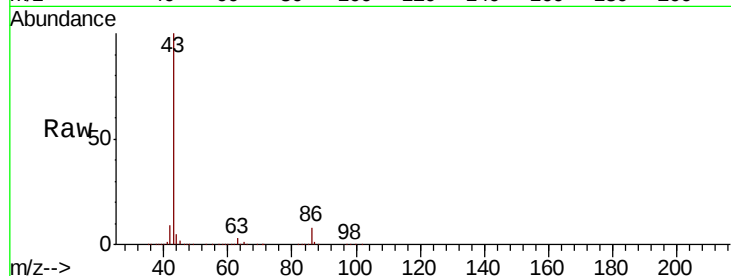
VW0823SBS01

Tgt Ion: 43 Resp: 633227

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.659 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

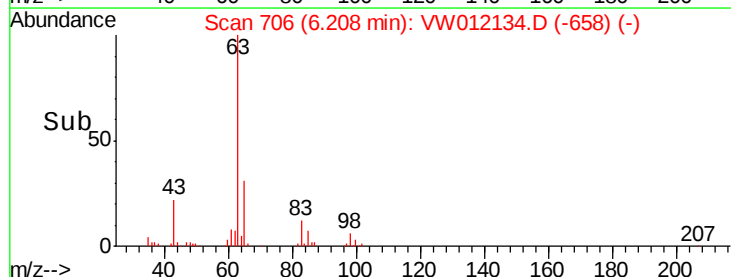
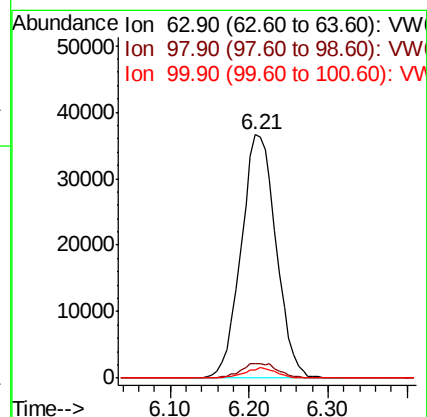
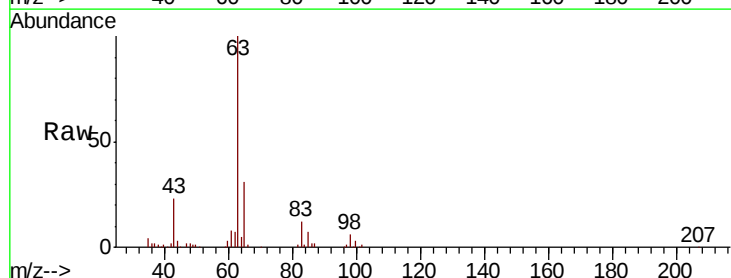
Tgt Ion: 63 Resp: 112855

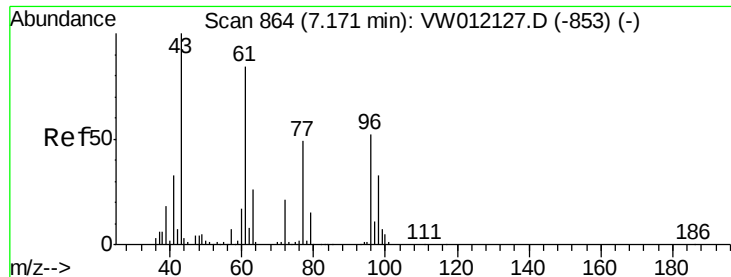
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.4 2.0 6.0





#25

2-Butanone

Concen: 94.523 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

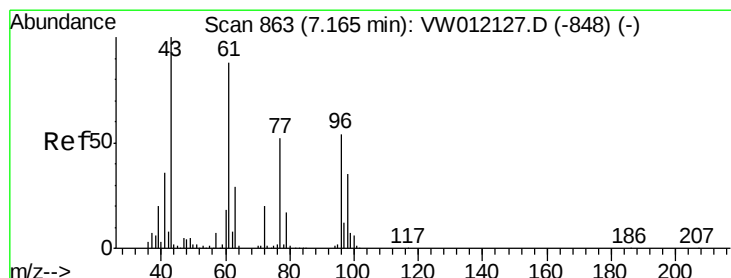
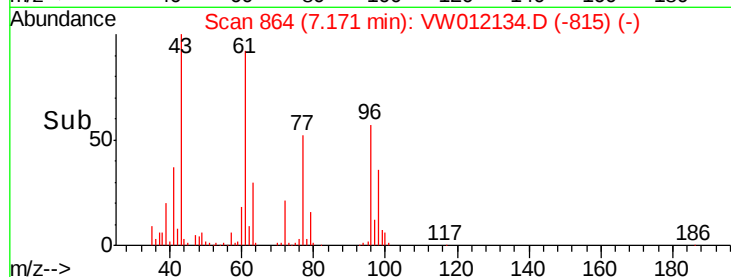
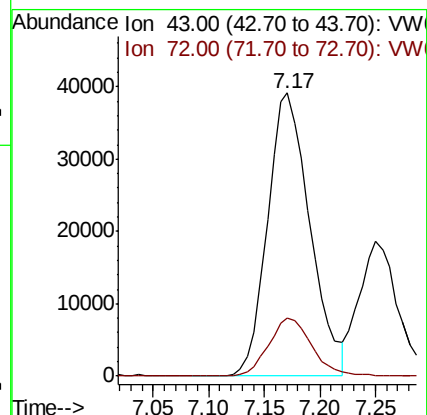
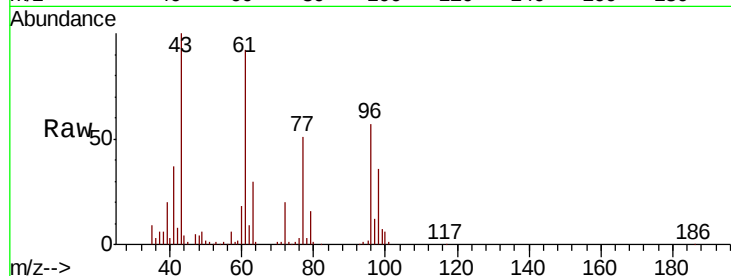
VW0823SBS01

Tgt Ion: 43 Resp: 103534

Ion Ratio Lower Upper

43 100

72 20.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.262 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012134.D

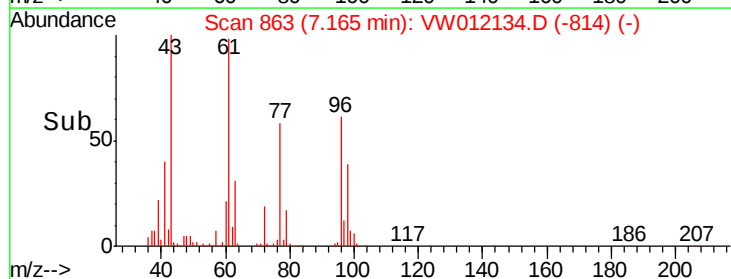
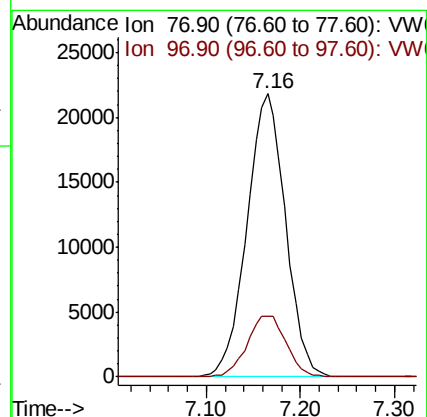
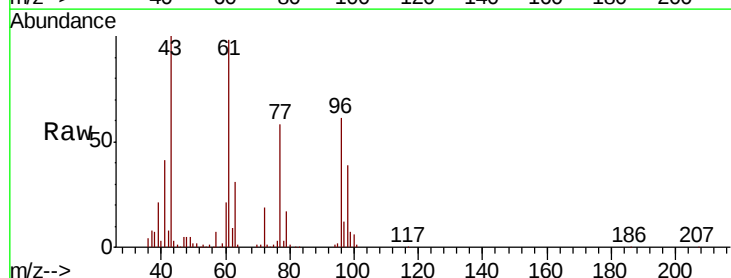
Acq: 23 Aug 2019 15:56

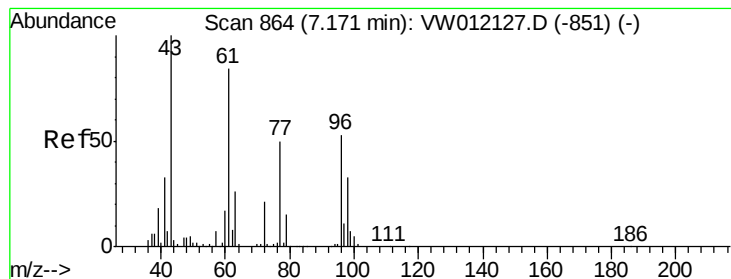
Tgt Ion: 77 Resp: 62588

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1



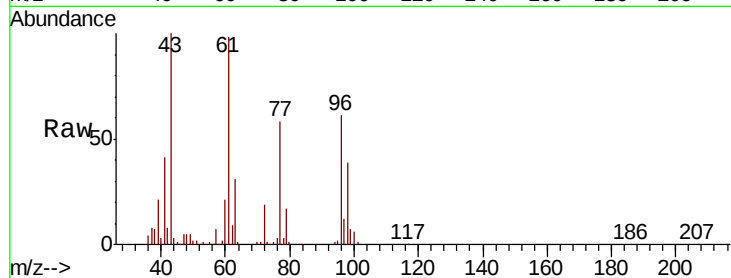


#27

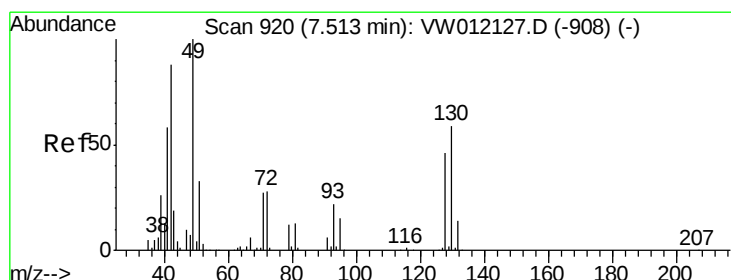
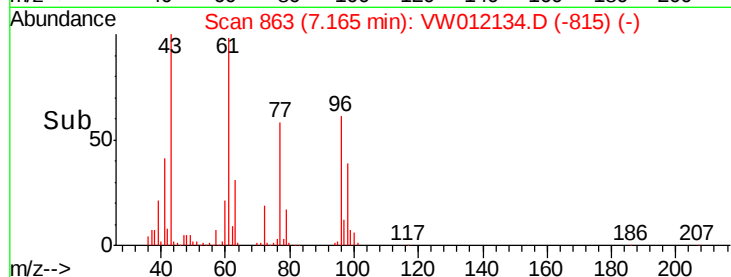
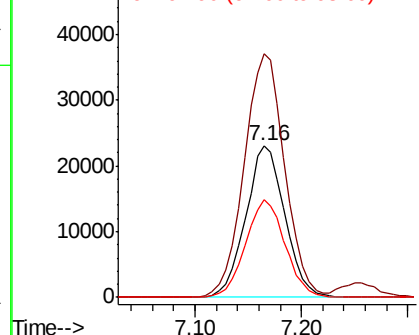
cis-1,2-Dichloroethene
 Concen: 19.499 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tgt Ion: 96 Resp: 59440
 Ion Ratio Lower Upper
 96 100
 61 165.8 0.0 326.6
 98 65.2 0.0 127.4



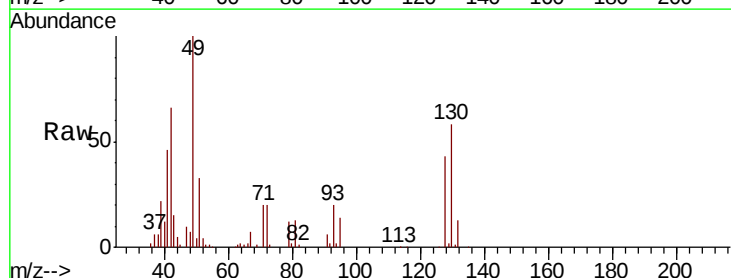
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



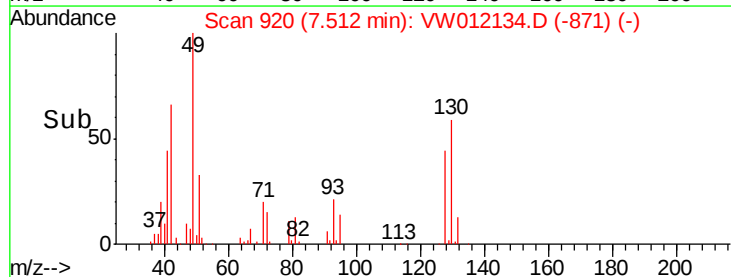
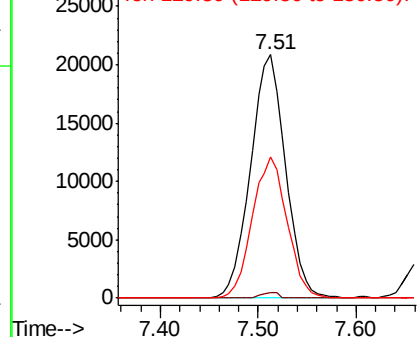
#28

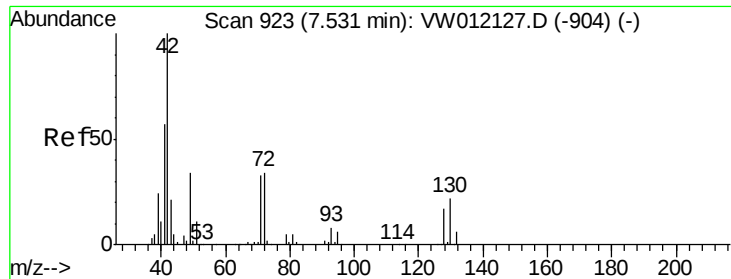
Bromochloromethane
 Concen: 20.735 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 49 Resp: 51880
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.4
 130 57.3 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

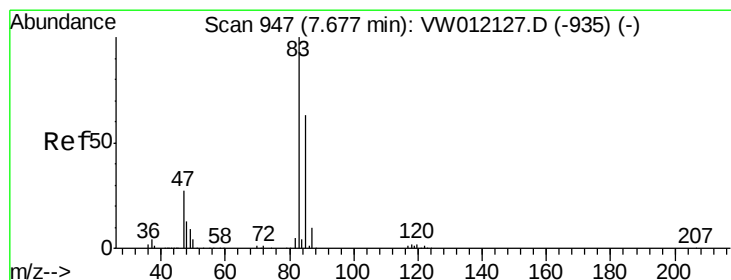
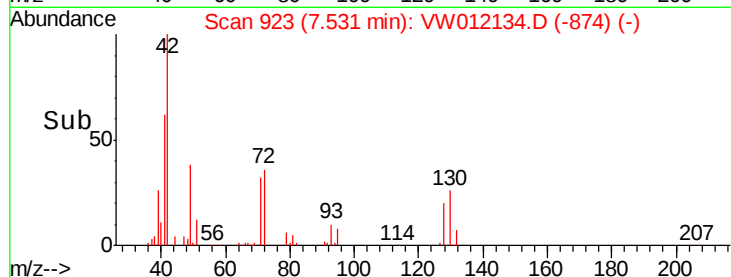
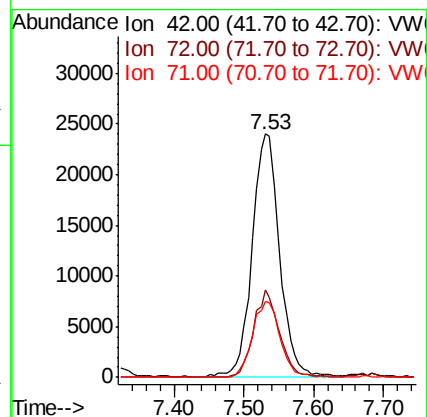
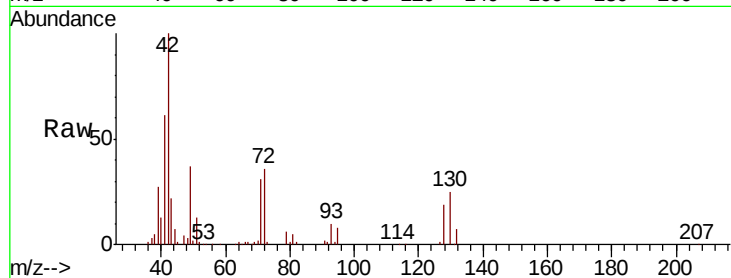




#29
Tetrahydrofuran
Concen: 99.232 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

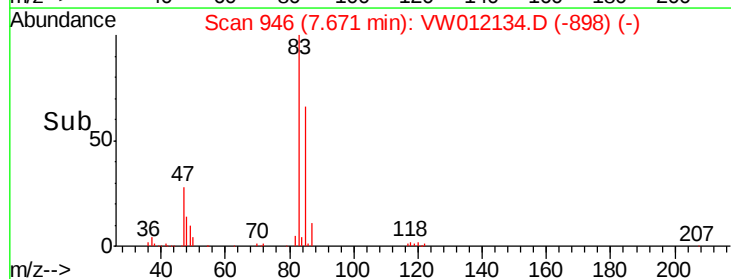
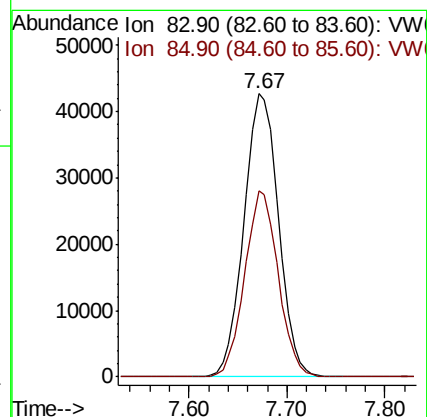
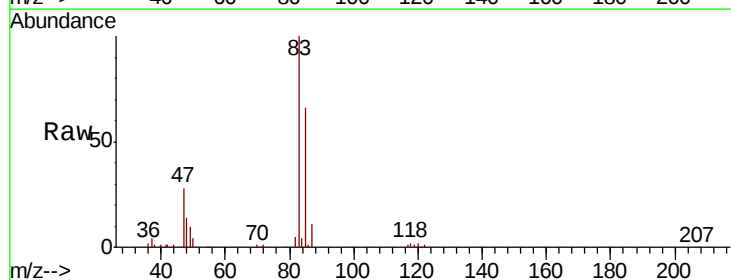
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

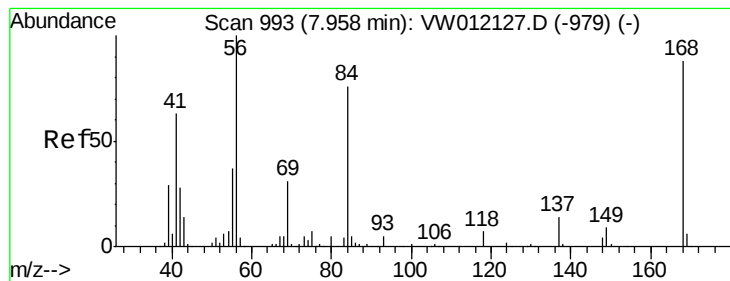
Tgt Ion: 42 Resp: 65210
Ion Ratio Lower Upper
42 100
72 33.7 27.3 40.9
71 31.5 25.5 38.3



#30
Chloroform
Concen: 19.956 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion: 83 Resp: 104814
Ion Ratio Lower Upper
83 100
85 65.9 50.6 76.0





#31

Cyclohexane

Concen: 18.314 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

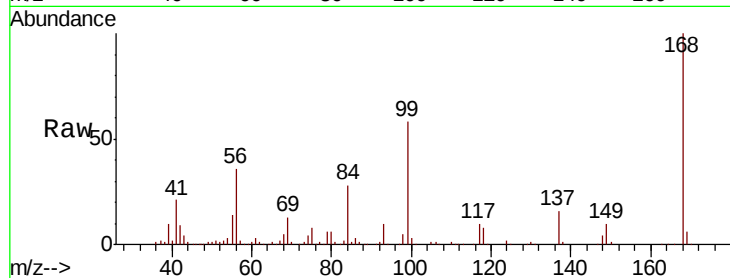
Tgt Ion: 56 Resp: 104018

Ion Ratio Lower Upper

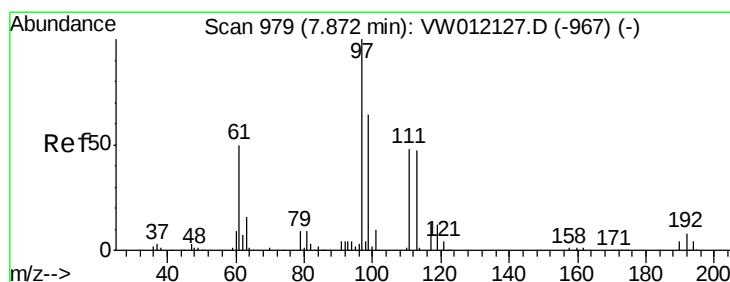
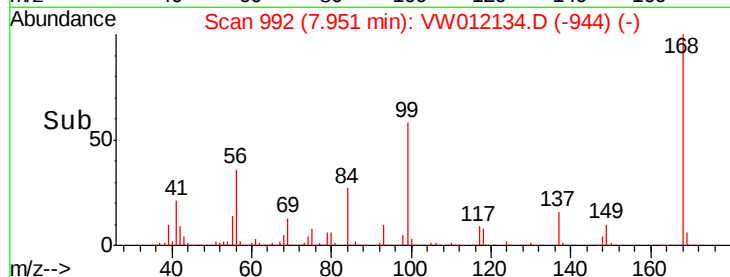
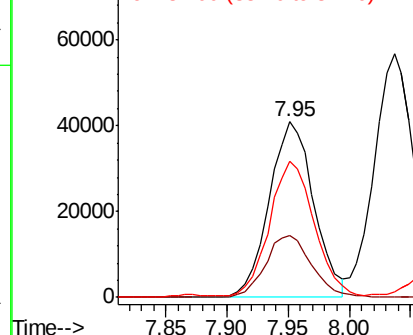
56 100

69 35.3 24.9 37.3

84 76.4 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: 19.549 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

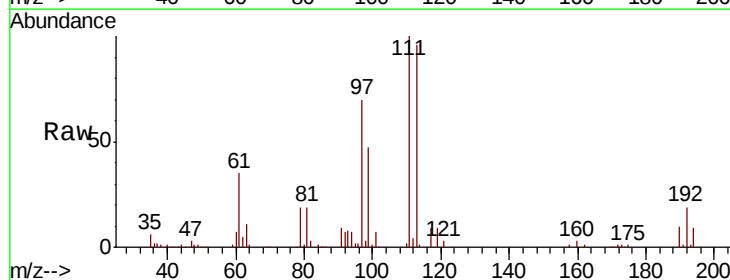
Tgt Ion: 97 Resp: 81223

Ion Ratio Lower Upper

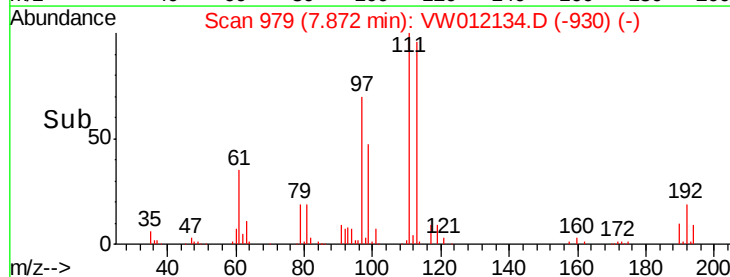
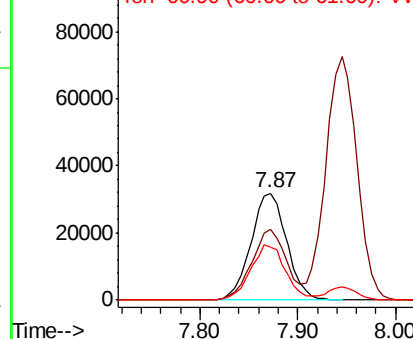
97 100

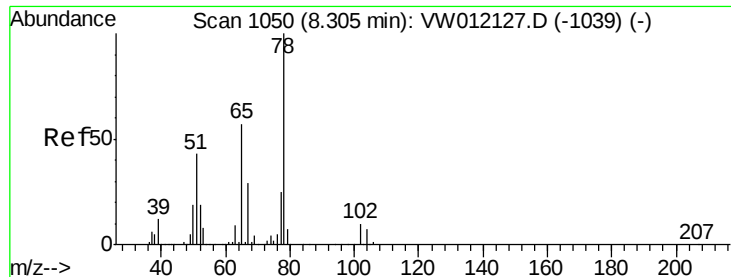
99 63.4 51.4 77.0

61 50.2 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

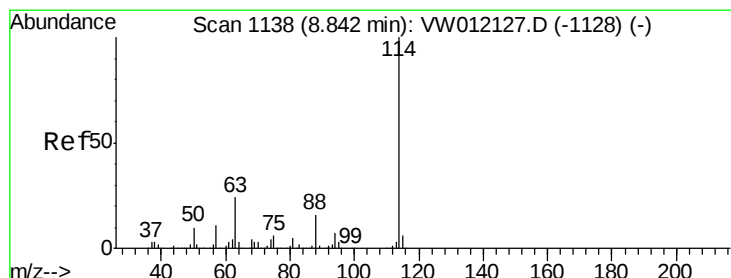
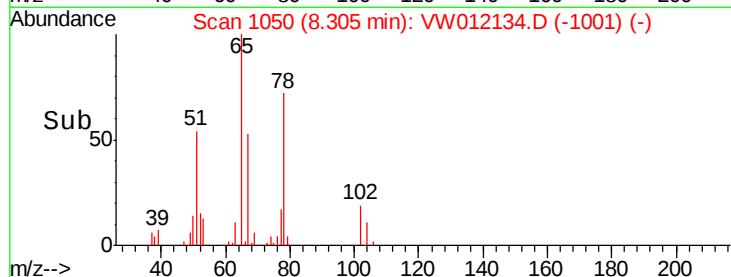
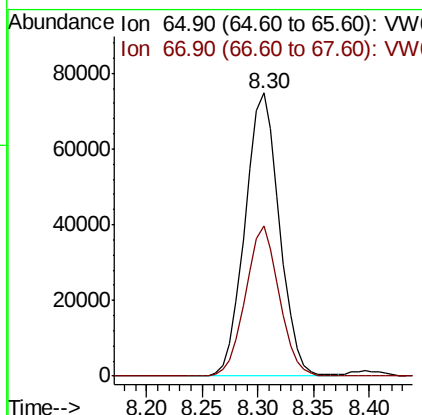
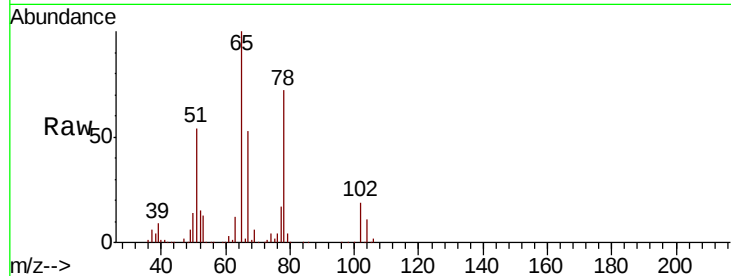




#33
 1,2-Dichloroethane-d4
 Concen: 50.985 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

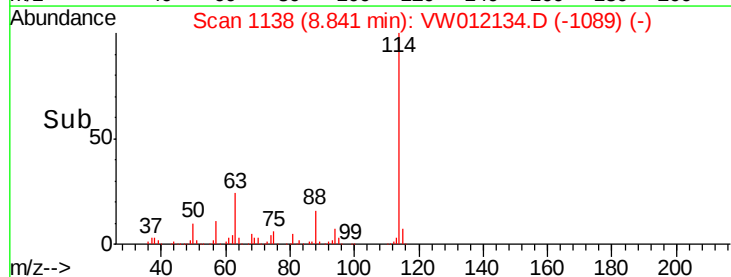
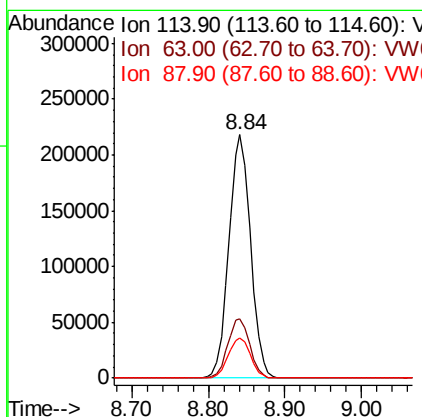
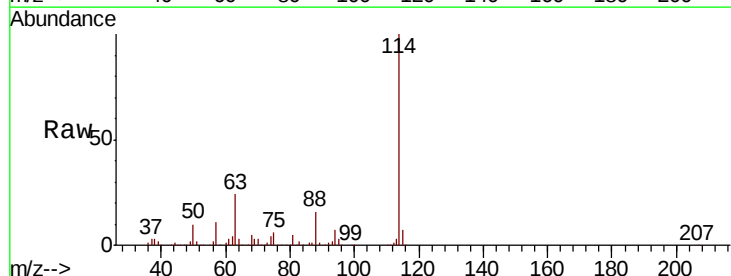
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

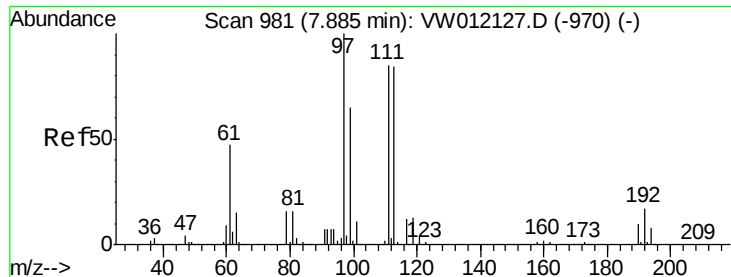
Tgt Ion: 65 Resp: 160771
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 114 Resp: 426621
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.5 0.0 32.2

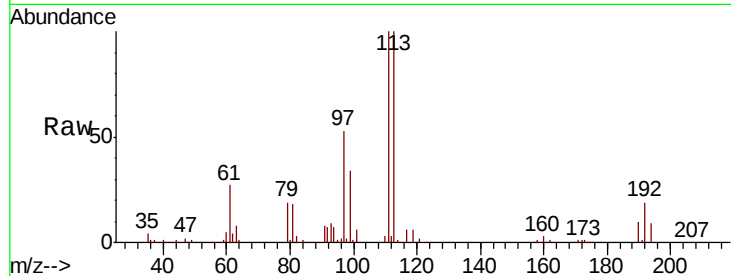




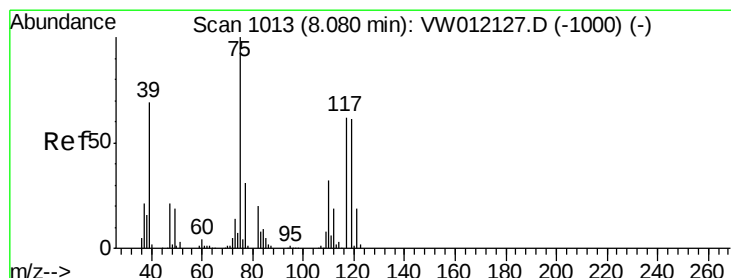
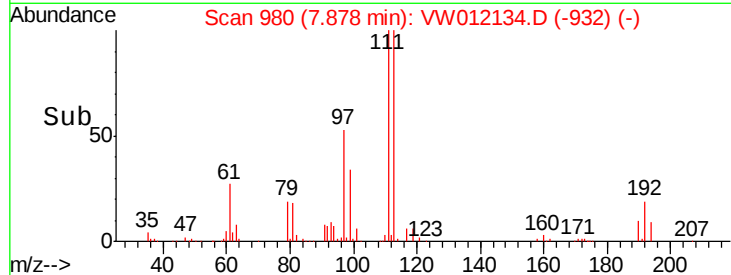
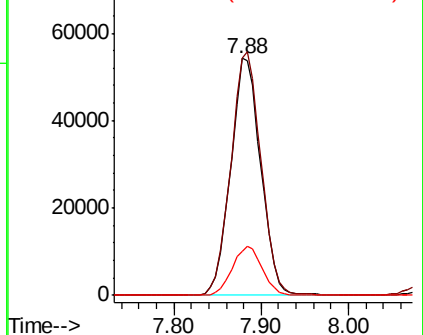
#35
 Dibromofluoromethane
 Concen: 50.842 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tgt Ion:113 Resp: 129469
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.4 16.2 24.2

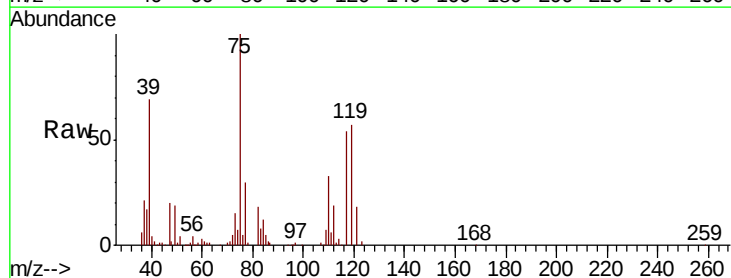


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

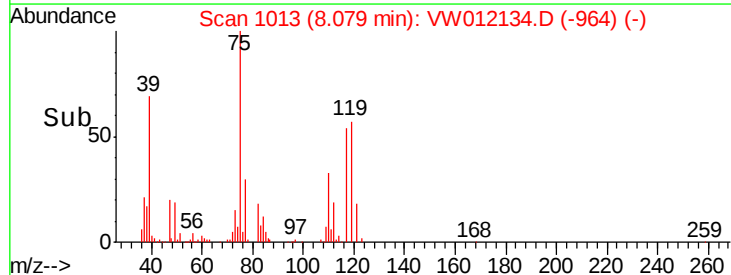
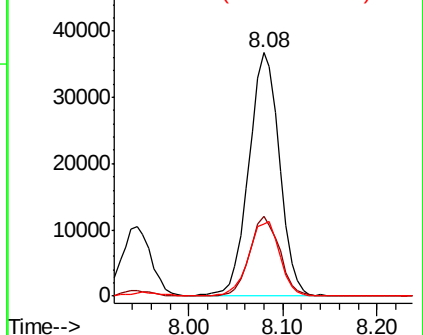


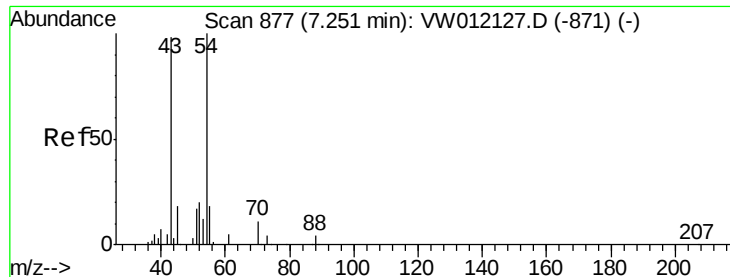
#36
 1,1-Dichloropropene
 Concen: 19.008 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 75 Resp: 83800
 Ion Ratio Lower Upper
 75 100
 110 31.8 15.6 46.8
 77 31.0 24.6 36.8



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

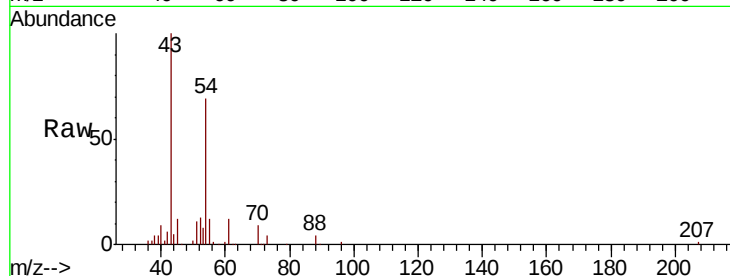




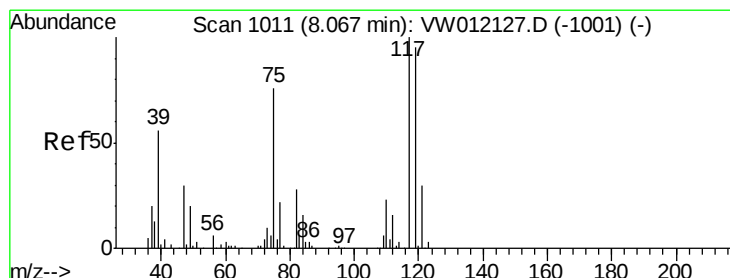
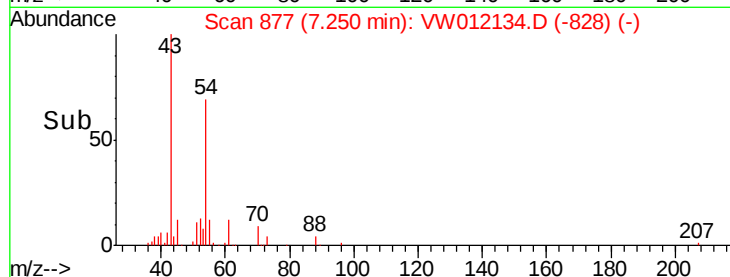
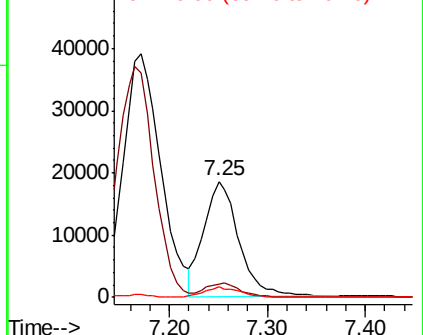
#37
Ethyl Acetate
Concen: 19.107 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tgt Ion: 43 Resp: 46160
Ion Ratio Lower Upper
43 100
61 12.8 9.2 13.8
70 9.2 6.9 10.3

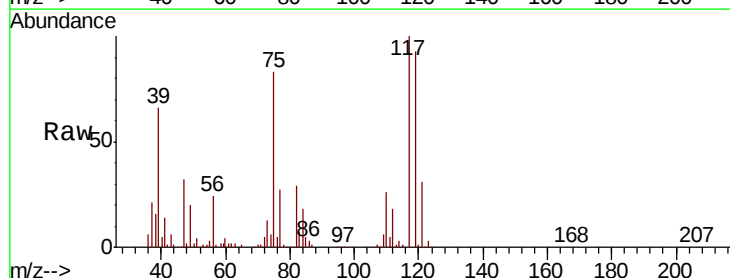


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

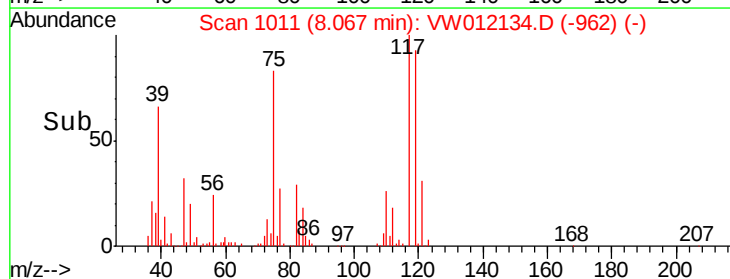
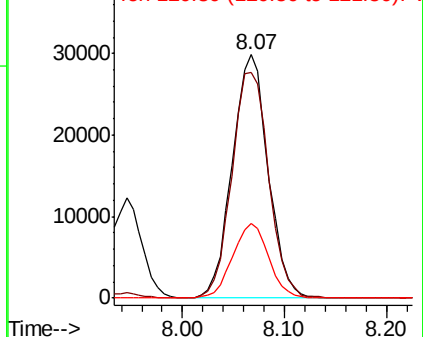


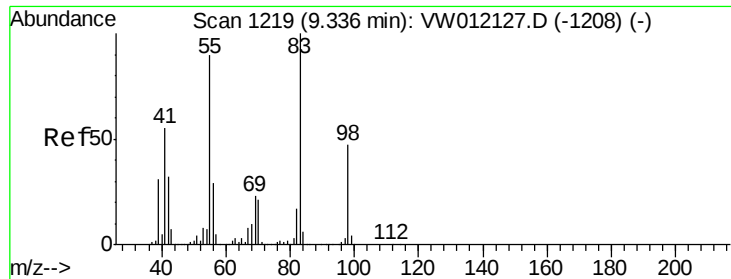
#38
Carbon Tetrachloride
Concen: 19.019 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion: 117 Resp: 72574
Ion Ratio Lower Upper
117 100
119 92.8 76.2 114.2
121 30.8 23.8 35.8



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

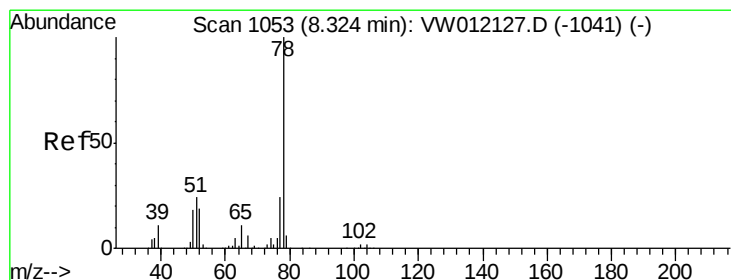
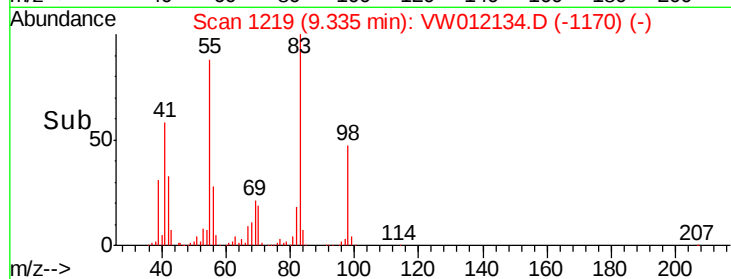
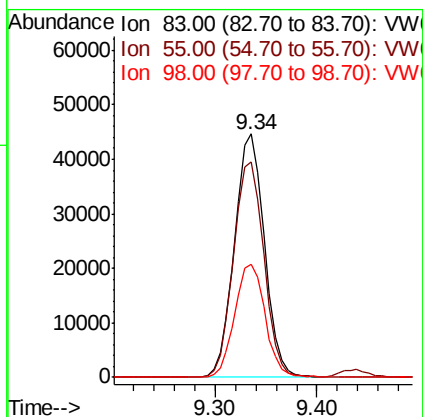
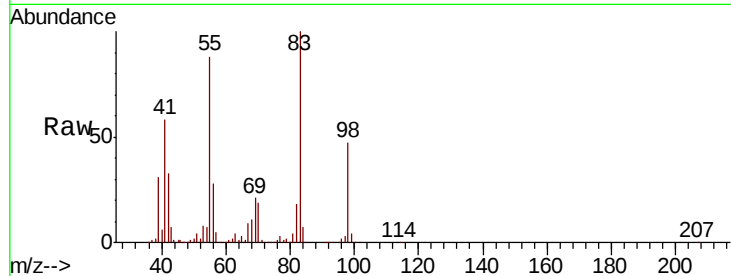




#39
Methylcyclohexane
Concen: 18.367 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

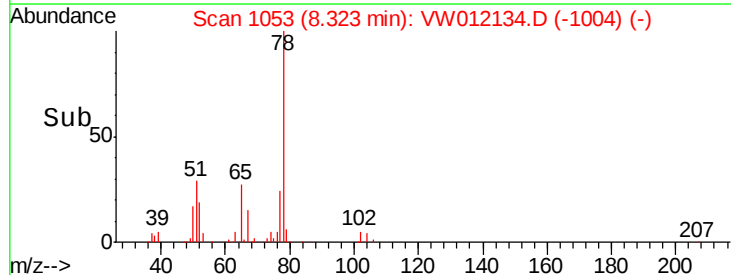
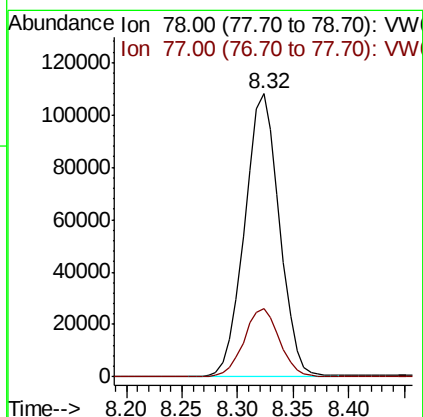
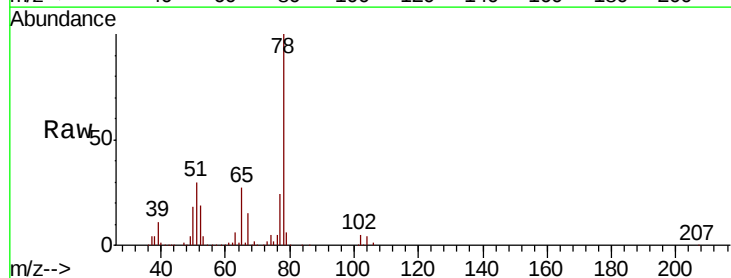
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

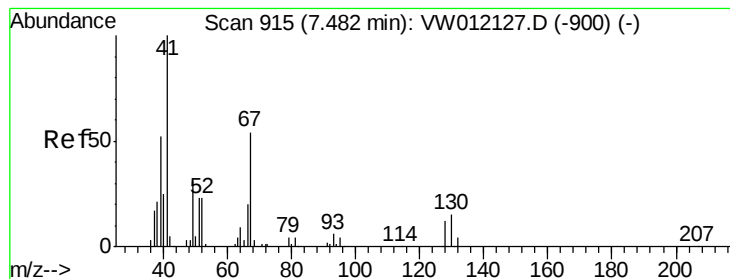
Tgt Ion: 83 Resp: 90969
Ion Ratio Lower Upper
83 100
55 88.3 71.8 107.8
98 46.6 37.8 56.8



#40
Benzene
Concen: 19.568 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion: 78 Resp: 235566
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3





#41

Methacrylonitrile

Concen: 20.876 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tgt Ion: 41 Resp: 29642

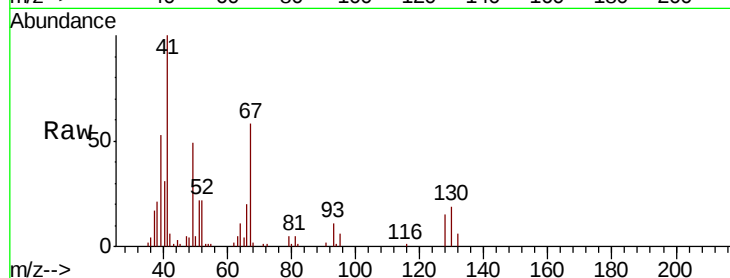
Ion Ratio Lower Upper

41 100

39 48.4 45.8 68.8

67 55.2 46.2 69.4

52 24.8 21.0 31.6

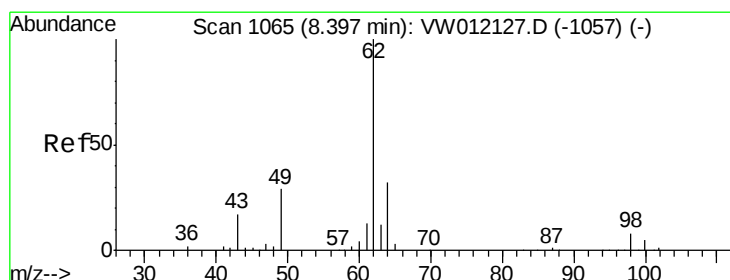
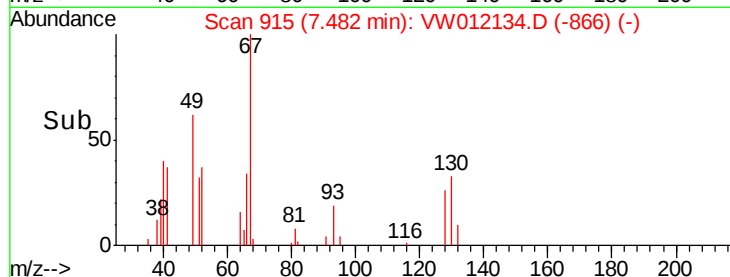
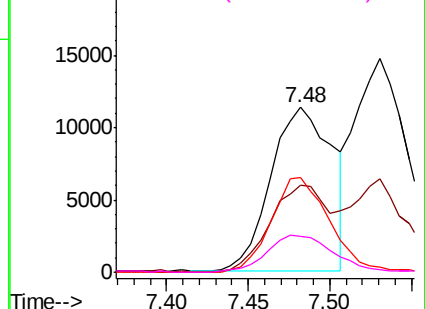


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 19.780 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012134.D

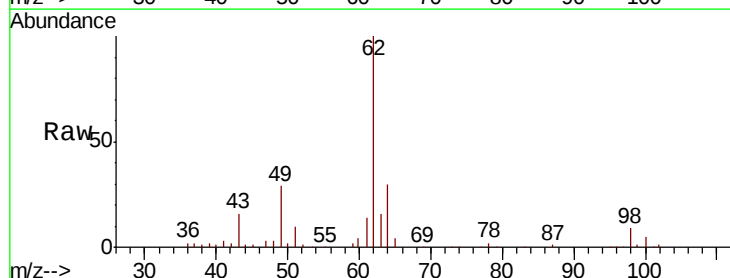
Acq: 23 Aug 2019 15:56

Tgt Ion: 62 Resp: 74628

Ion Ratio Lower Upper

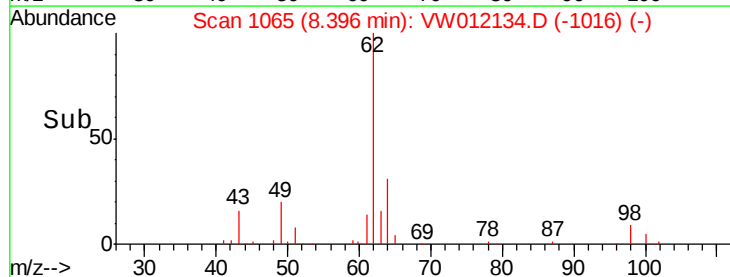
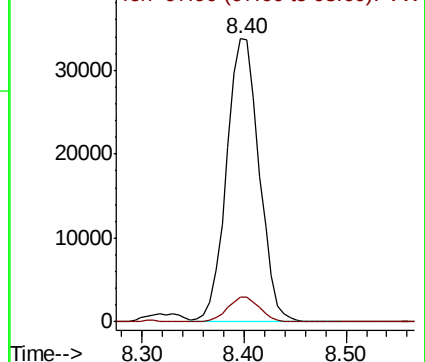
62 100

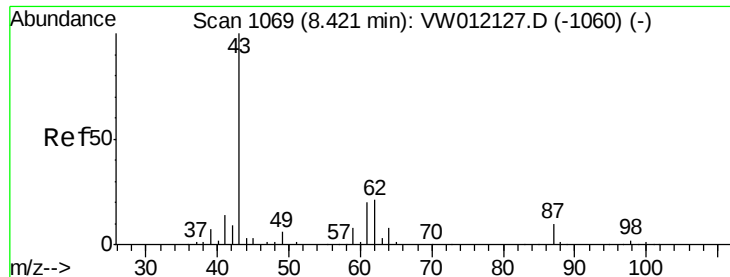
98 8.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.206 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

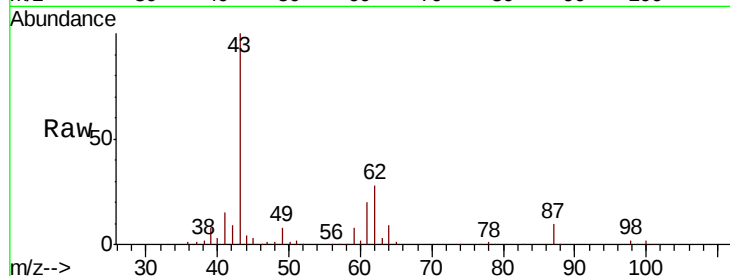
Tgt Ion: 43 Resp: 85948

Ion Ratio Lower Upper

43 100

61 26.7 21.1 31.7

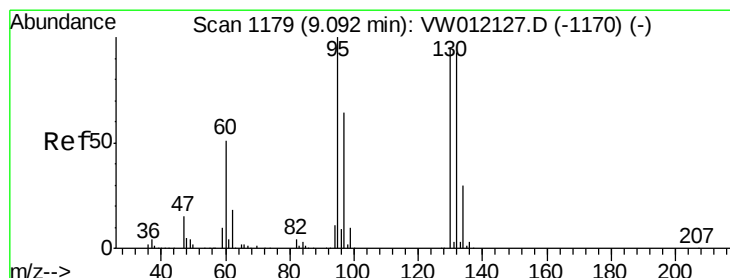
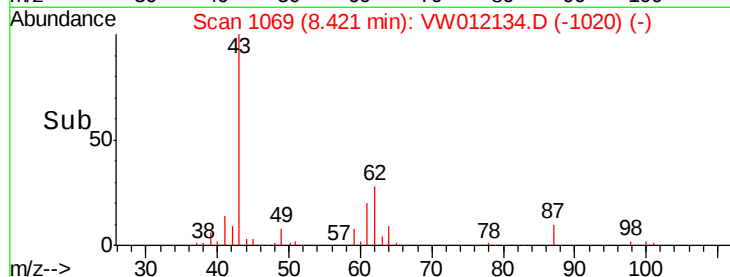
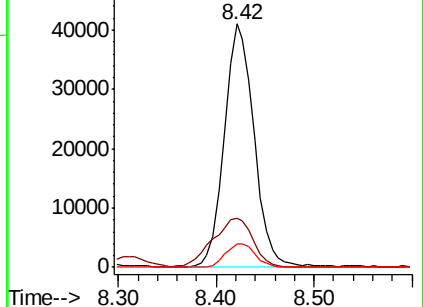
87 9.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.640 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012134.D

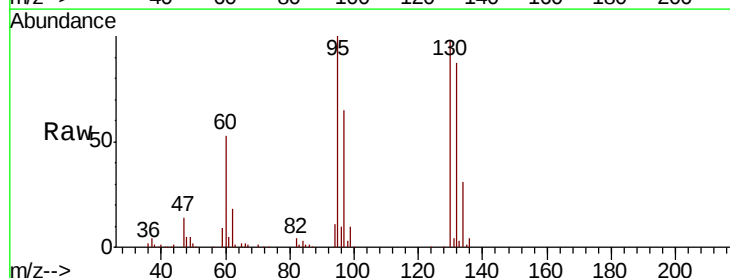
Acq: 23 Aug 2019 15:56

Tgt Ion: 130 Resp: 57476

Ion Ratio Lower Upper

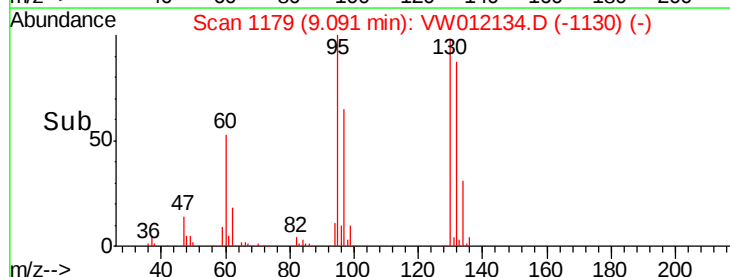
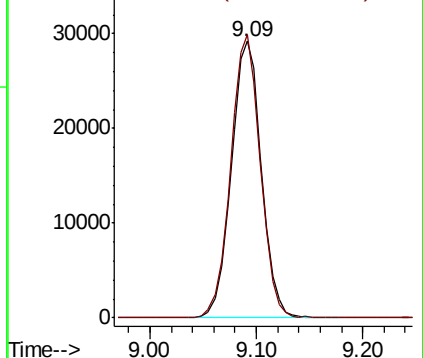
130 100

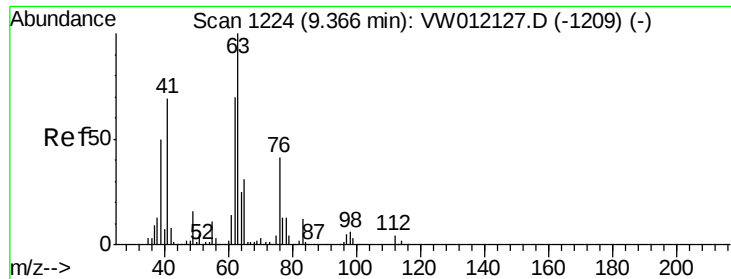
95 102.3 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

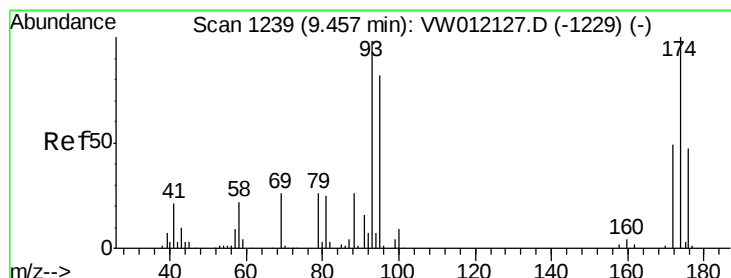
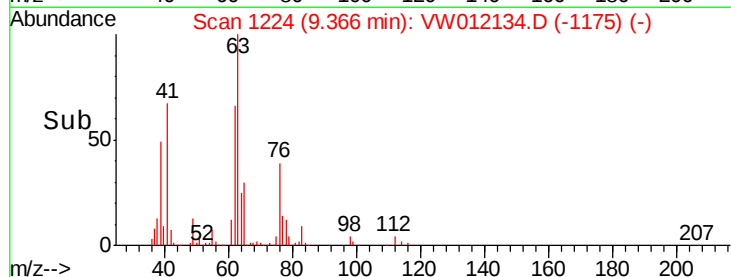
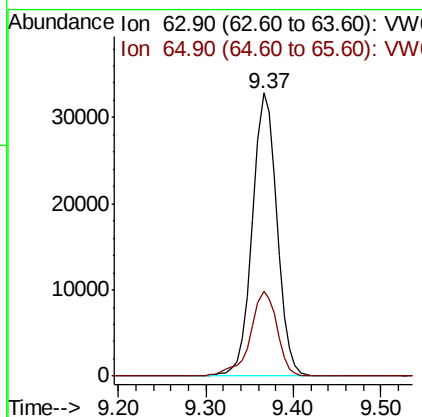
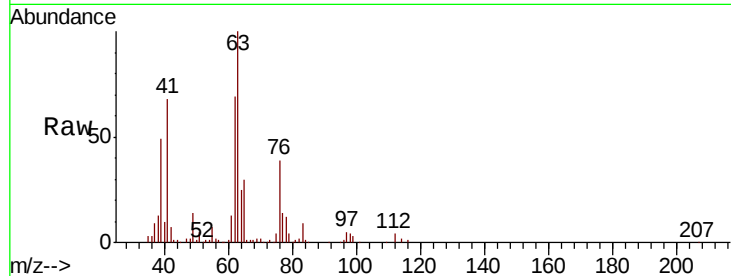




#45
 1,2-Dichloropropane
 Concen: 19.840 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

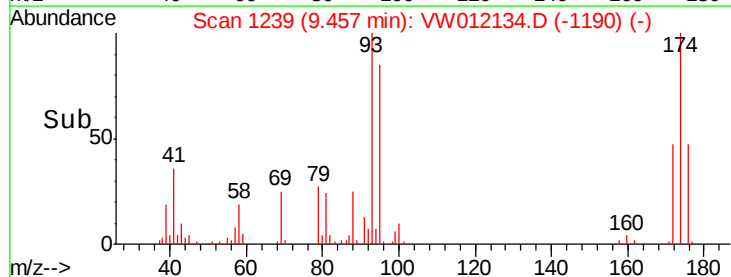
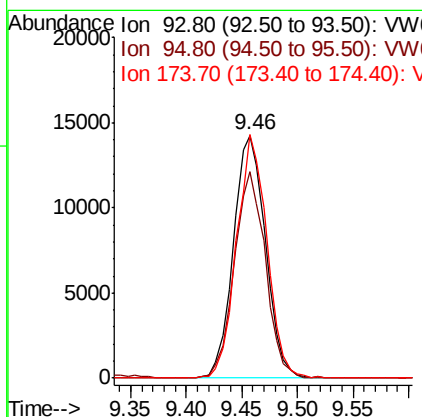
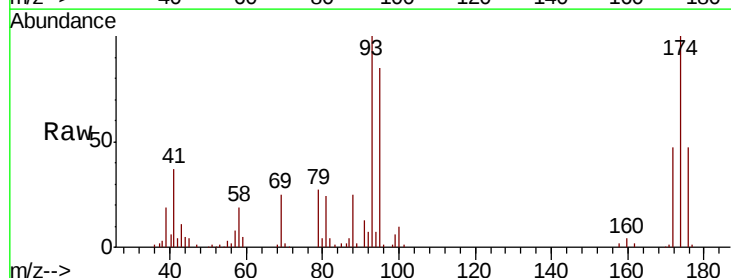
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tgt Ion: 63 Resp: 64279
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4



#46
 Dibromomethane
 Concen: 19.663 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 93 Resp: 28344
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 95.5 79.0 118.6





#47

Bromodichloromethane

Concen: 19.634 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

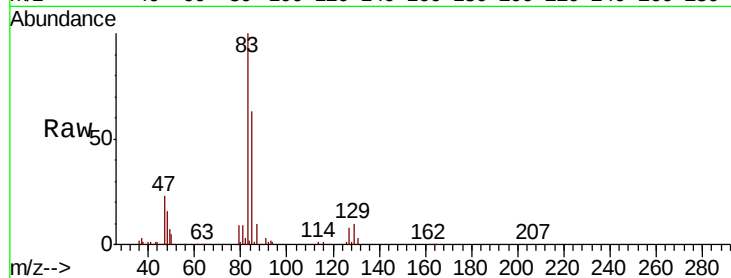
Tgt Ion: 83 Resp: 75324

Ion Ratio Lower Upper

83 100

85 63.5 49.4 74.2

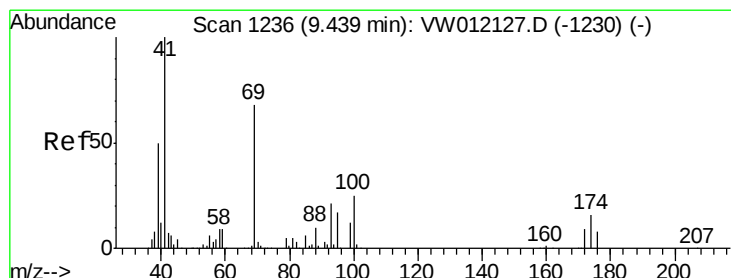
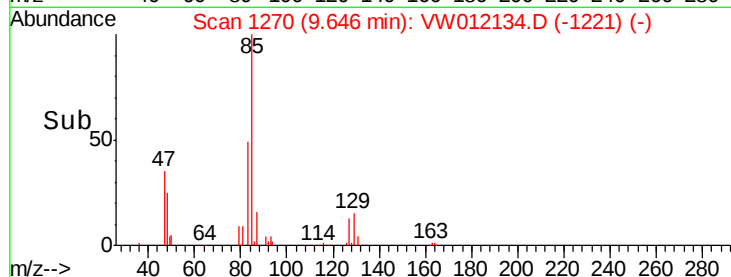
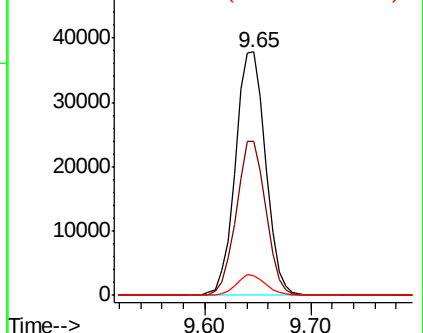
127 8.2 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.084 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

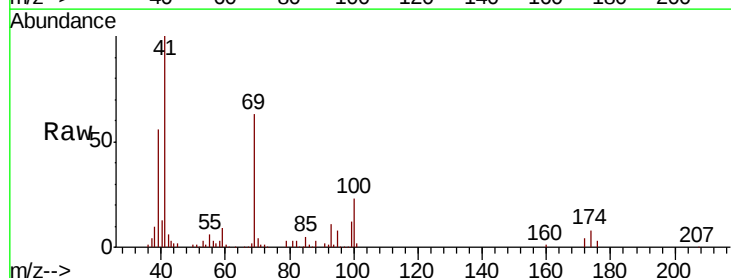
Tgt Ion: 41 Resp: 40647

Ion Ratio Lower Upper

41 100

69 72.0 56.7 85.1

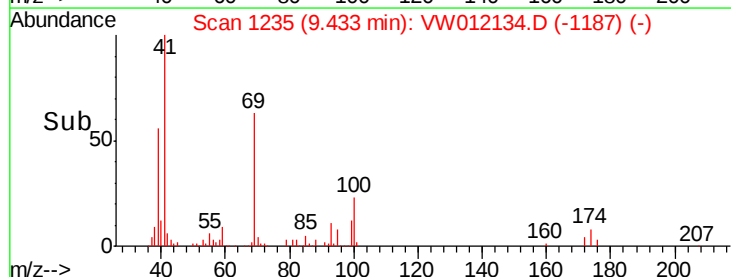
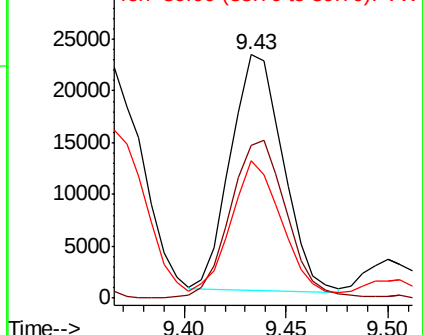
39 57.7 42.0 63.0

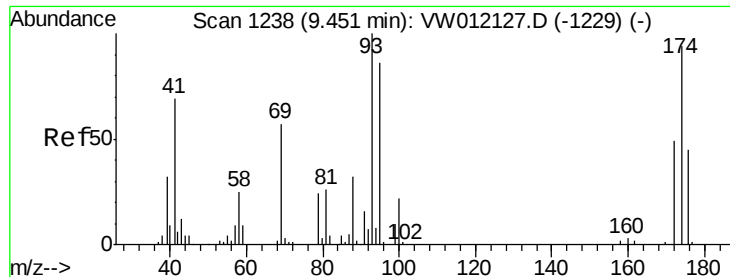


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 384.139 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

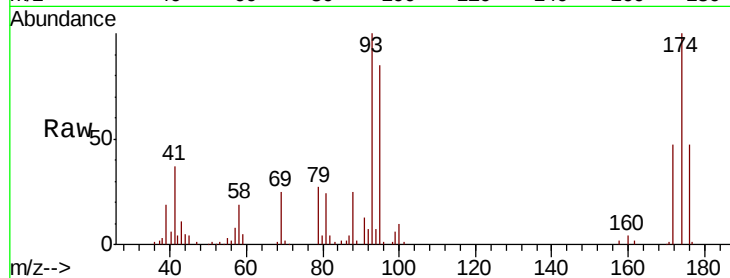
Tgt Ion: 88 Resp: 8477

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

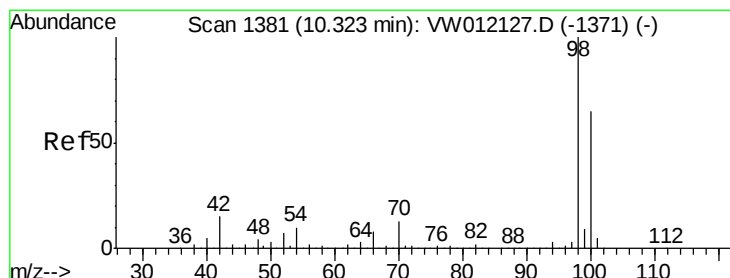
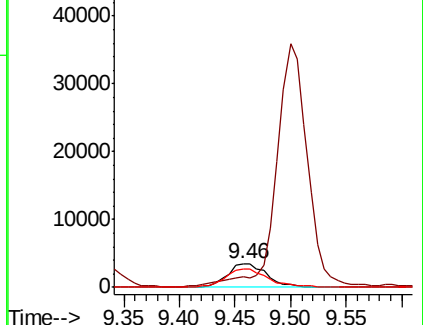
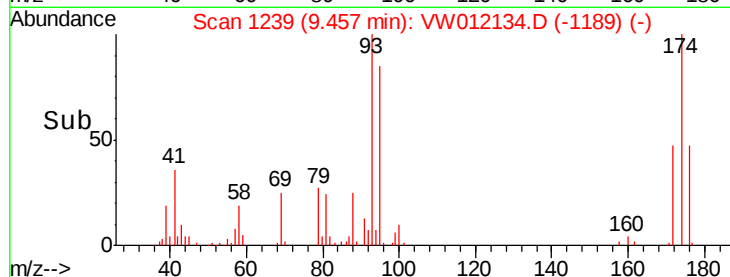
58 86.4 71.0 106.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.484 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012134.D

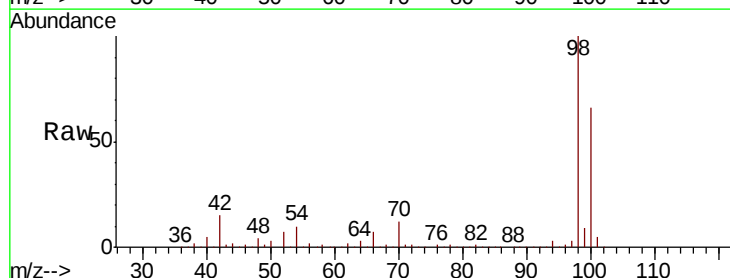
Acq: 23 Aug 2019 15:56

Tgt Ion: 98 Resp: 531587

Ion Ratio Lower Upper

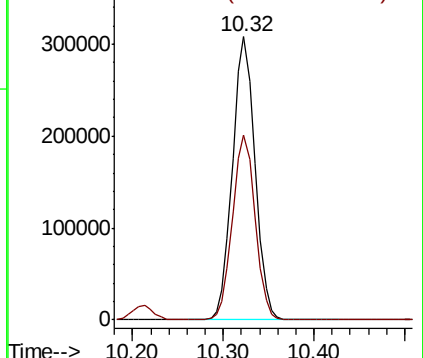
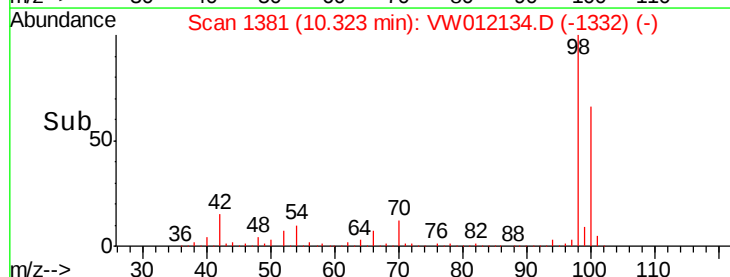
98 100

100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

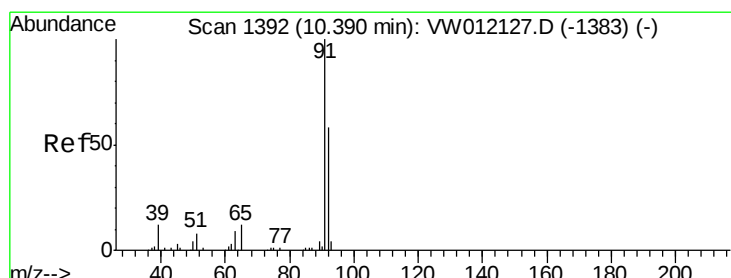
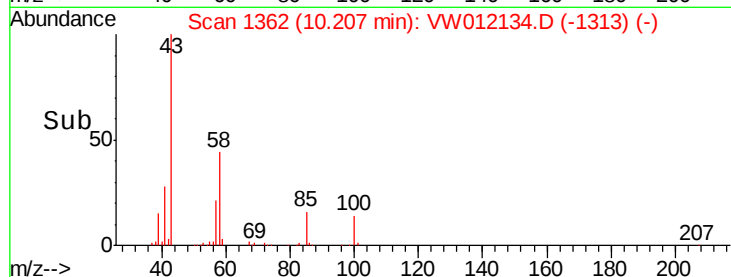
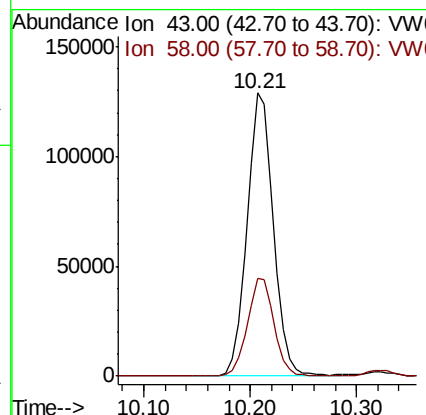
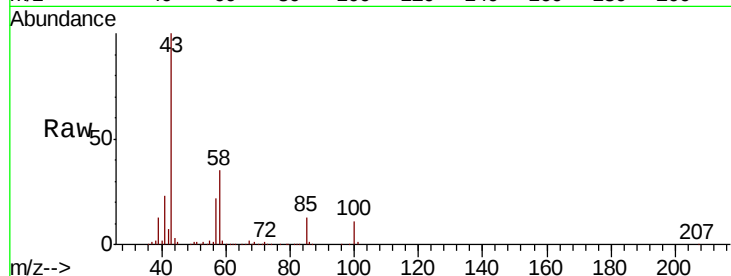




#51
 4-Methyl-2-Pentanone
 Concen: 98.139 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

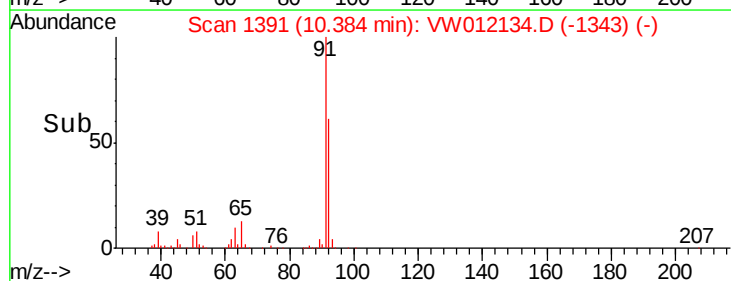
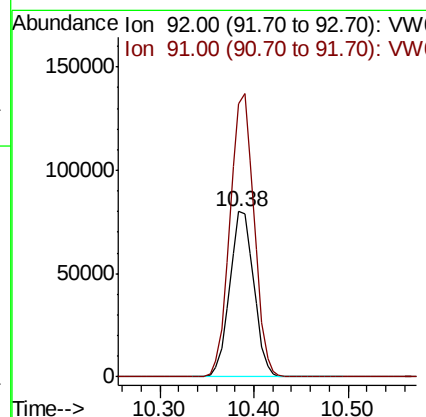
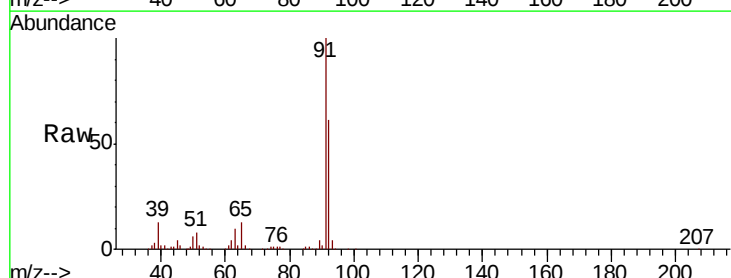
Instrument :
 MSVOA_W
 ClientSampled :
 VW0823SBS01

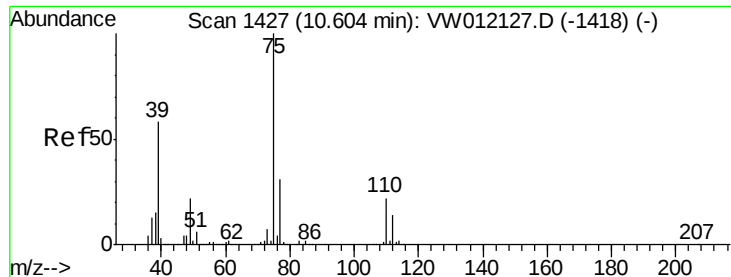
Tgt Ion: 43 Resp: 223374
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.2 42.2



#52
 Toluene
 Concen: 19.684 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 92 Resp: 142352
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.425 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

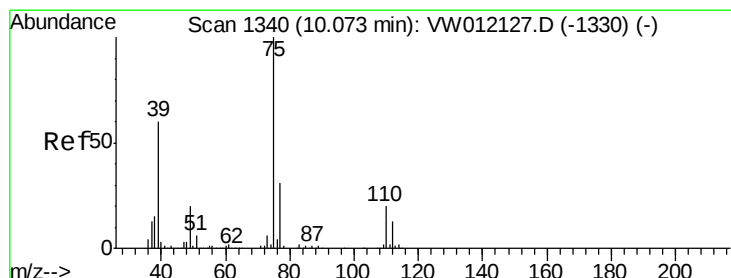
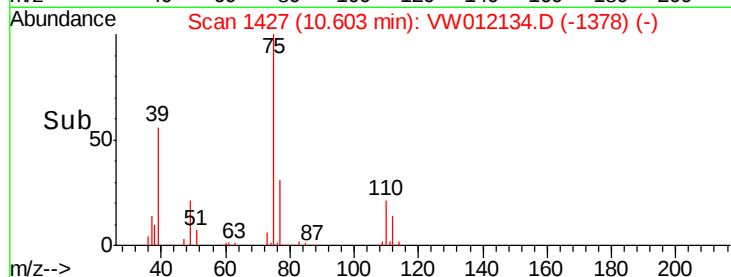
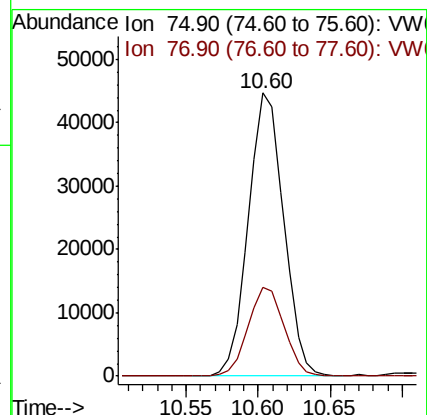
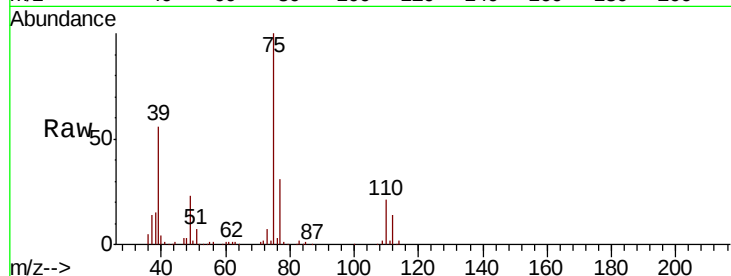
VW0823SBS01

Tgt Ion: 75 Resp: 75912

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.233 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

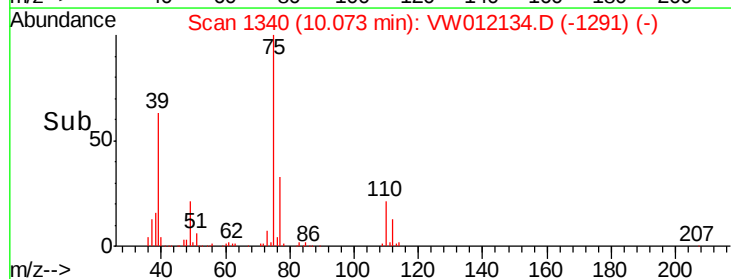
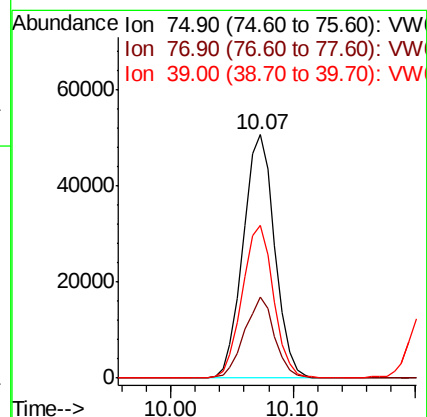
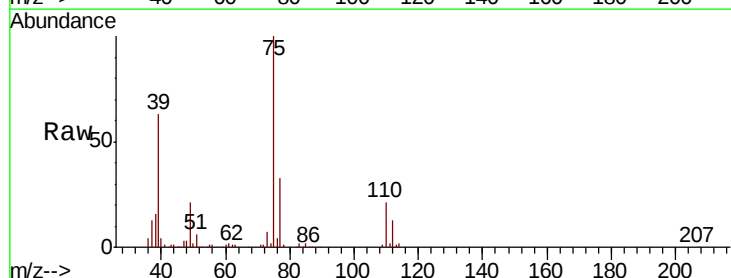
Tgt Ion: 75 Resp: 90750

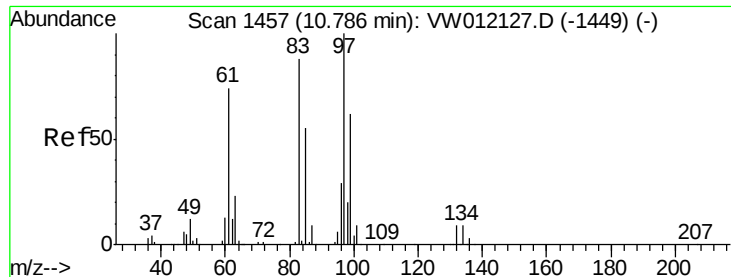
Ion Ratio Lower Upper

75 100

77 33.1 25.1 37.7

39 62.5 48.3 72.5

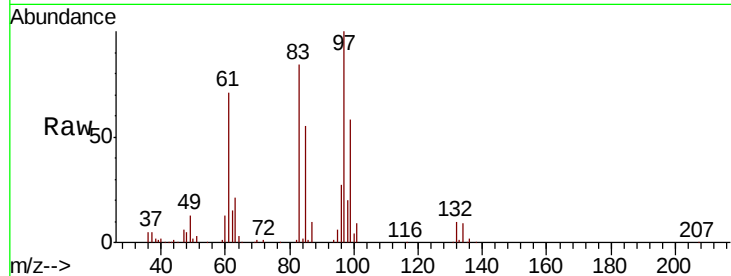




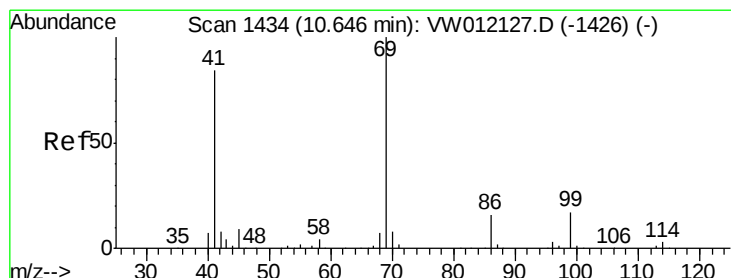
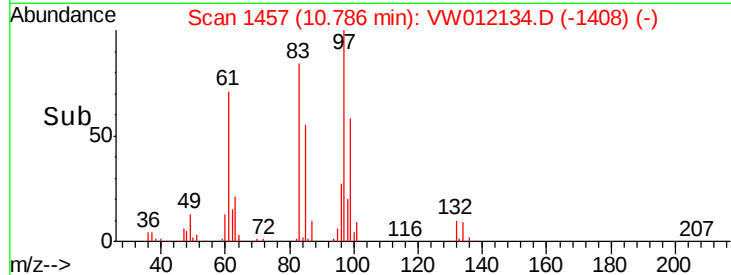
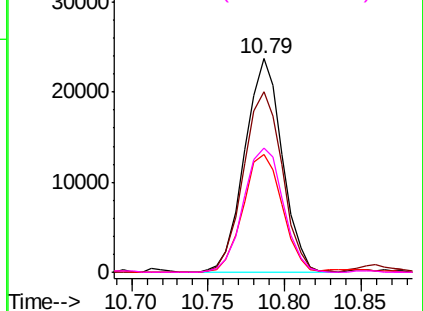
#55
 1,1,2-Trichloroethane
 Concen: 19.825 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tgt Ion:	97	Resp:	40434
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.8	106.2
85	55.4	43.8	65.8
99	58.1	49.8	74.6

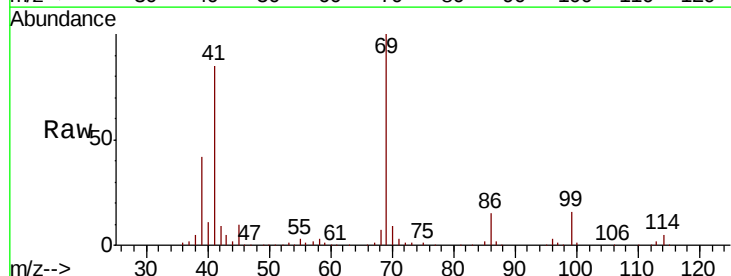


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

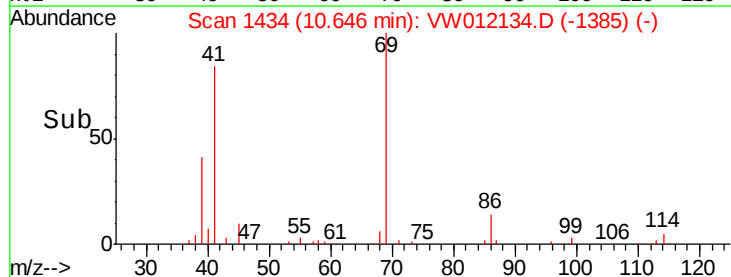
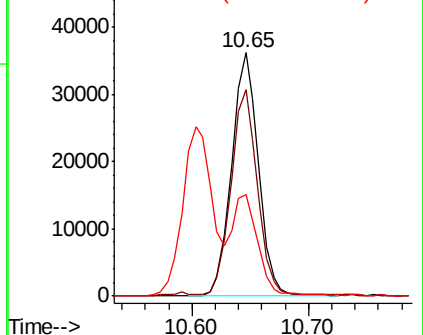


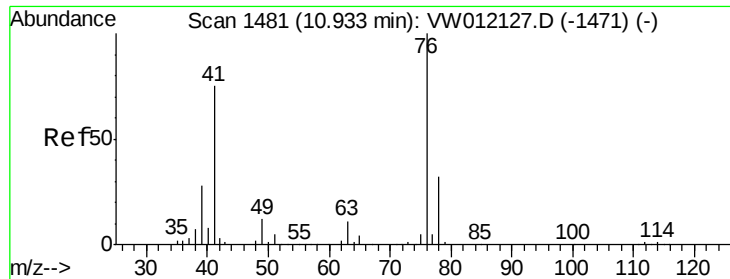
#56
 Ethyl methacrylate
 Concen: 19.619 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion:	69	Resp:	58235
Ion	Ratio	Lower	Upper
69	100		
41	82.2	66.5	99.7
39	39.0	31.0	46.4



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

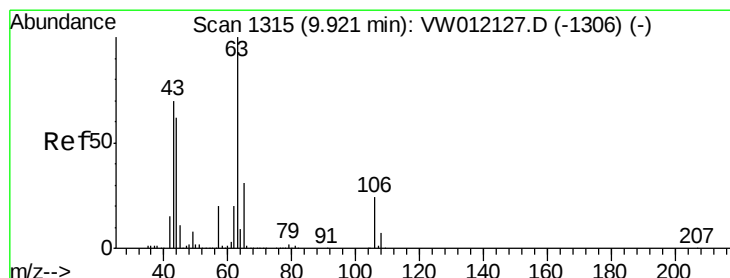
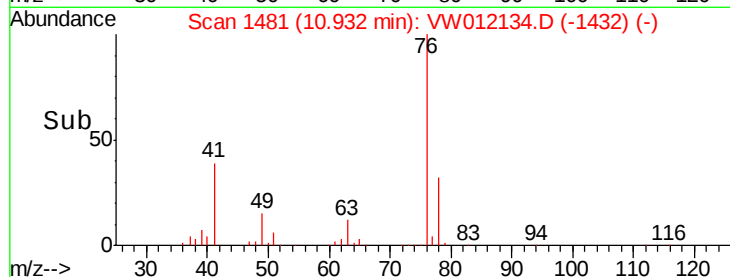
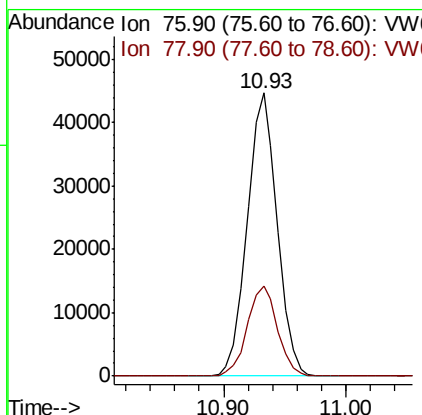
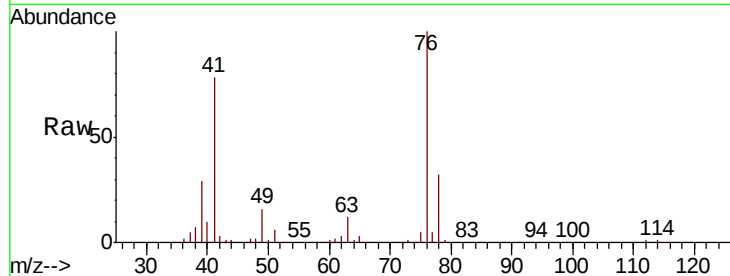




#57
 1,3-Dichloropropane
 Concen: 19.663 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

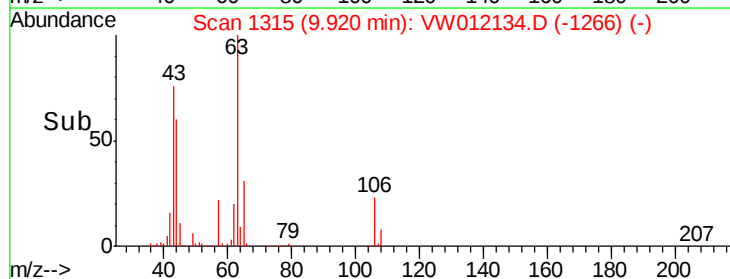
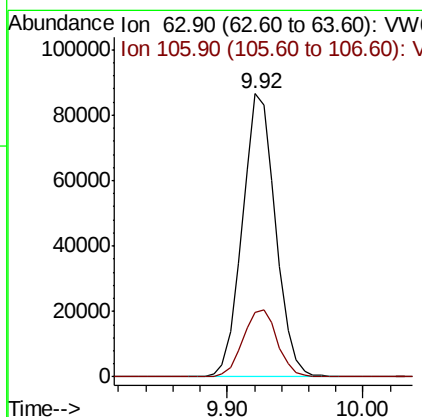
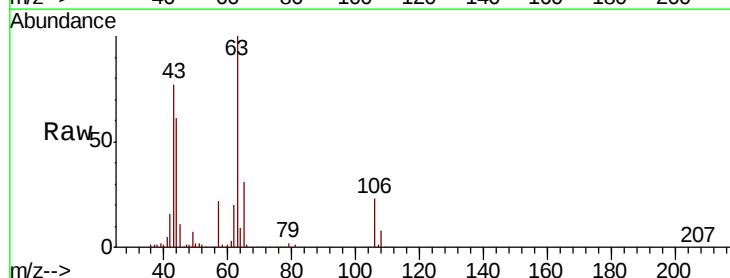
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

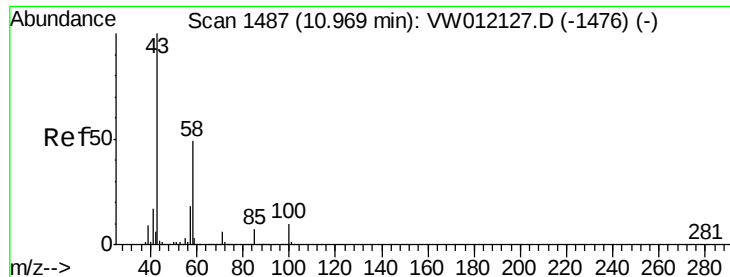
Tgt Ion: 76 Resp: 75786
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.821 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 63 Resp: 147499
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.8 29.8

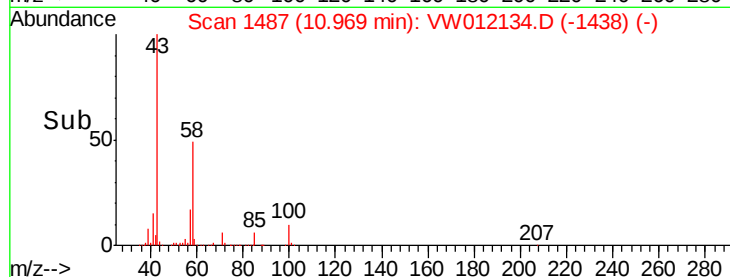
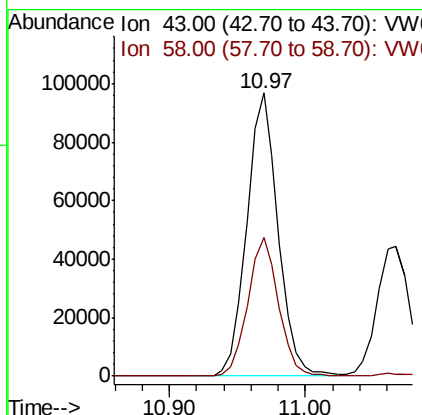
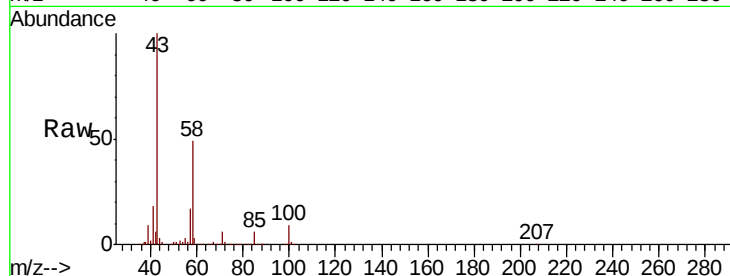




#59
2-Hexanone
Concen: 96.351 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

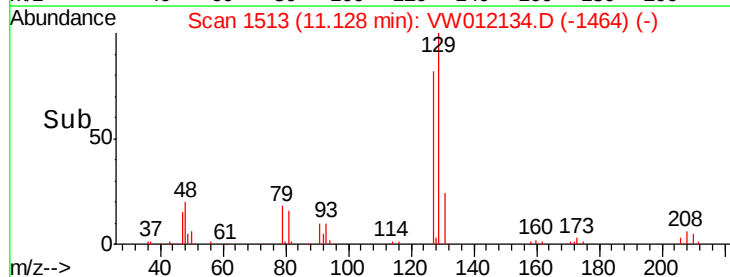
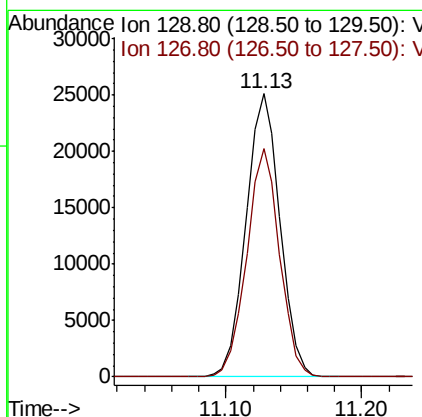
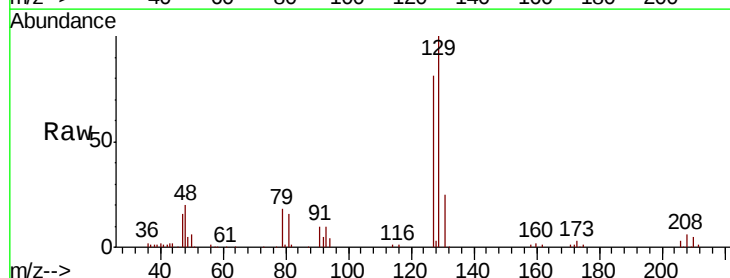
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tgt Ion: 43 Resp: 155171
Ion Ratio Lower Upper
43 100
58 48.3 24.3 72.9



#60
Dibromochloromethane
Concen: 19.324 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion: 129 Resp: 43898
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

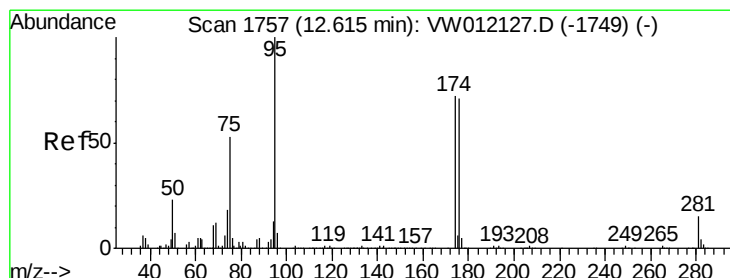
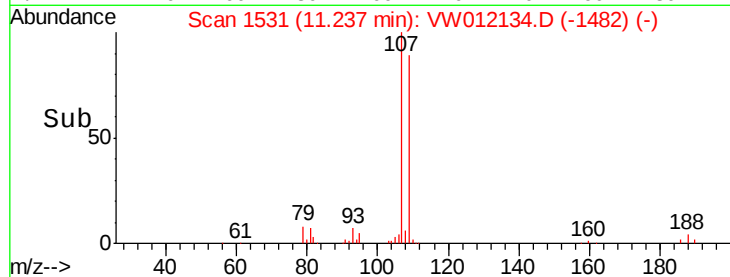
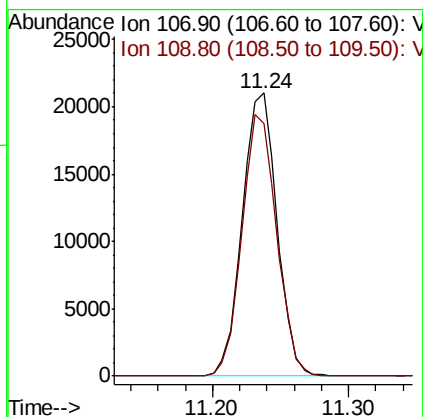
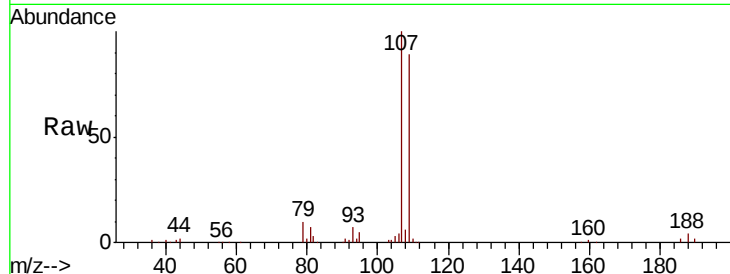




#61
 1,2-Dibromoethane
 Concen: 19.772 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

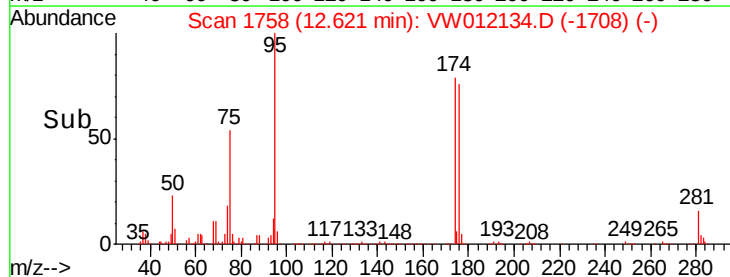
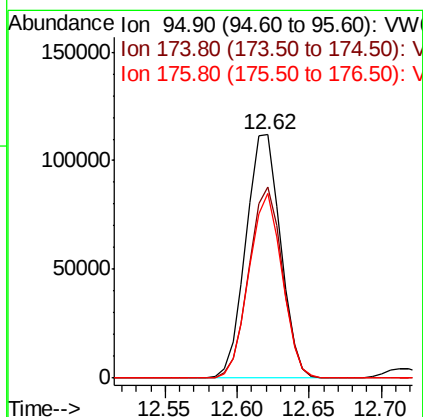
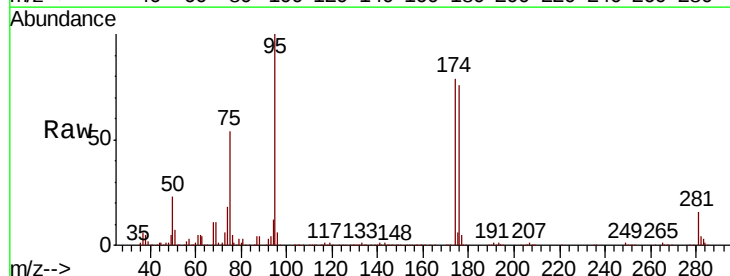
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

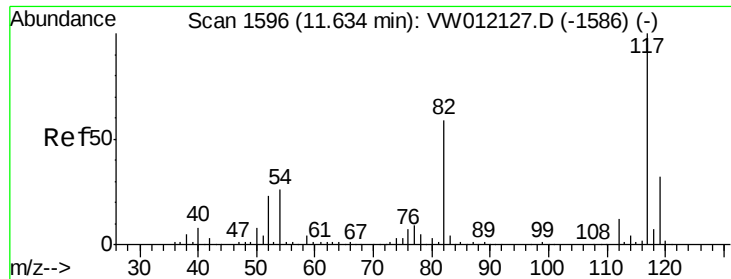
Tgt Ion: 107 Resp: 37569
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.279 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 95 Resp: 186640
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 150.8
 176 72.8 0.0 148.6

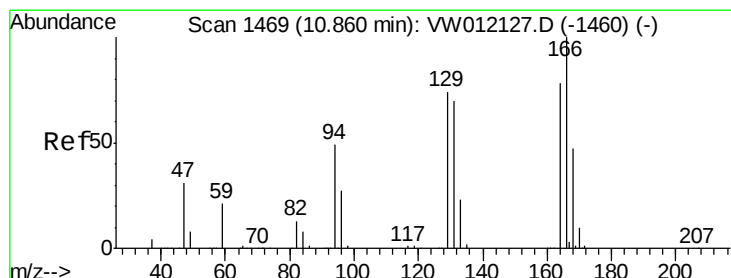
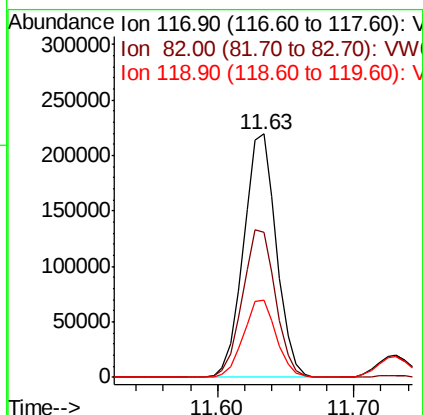
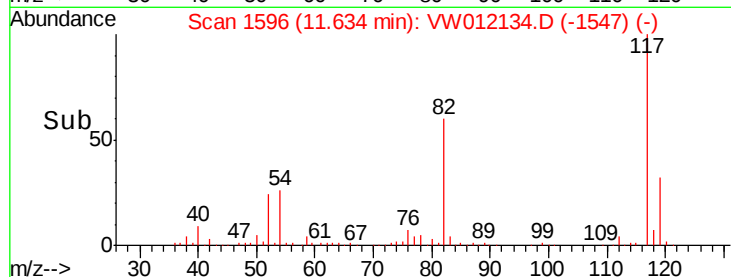
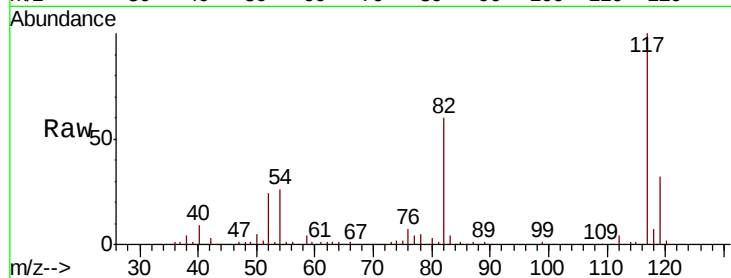




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

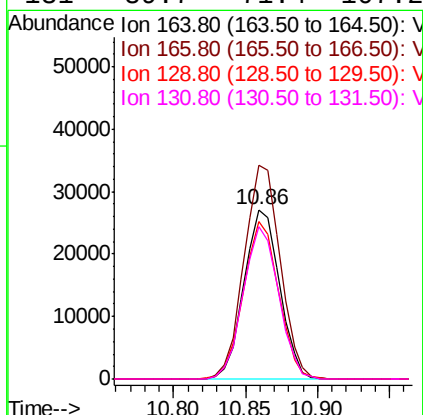
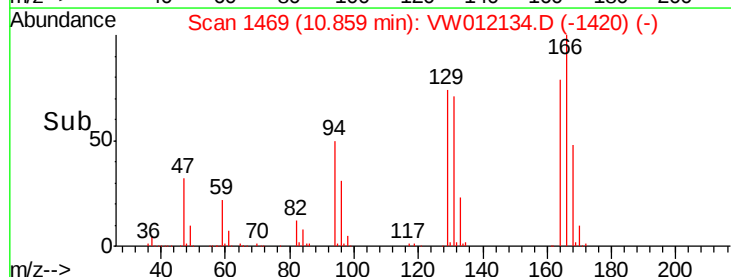
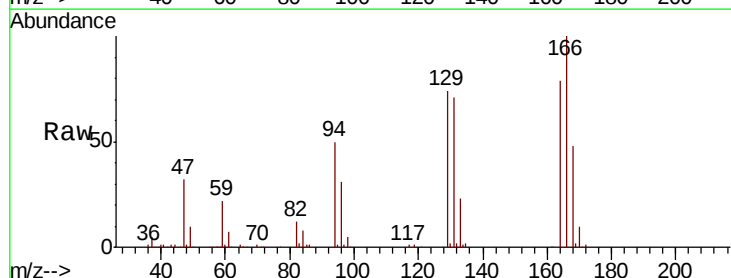
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

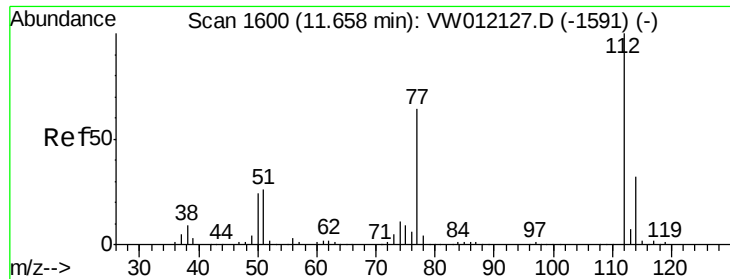
Tgt Ion:117 Resp: 369182
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 19.341 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion:164 Resp: 46293
Ion Ratio Lower Upper
164 100
166 125.9 102.4 153.6
129 93.2 75.8 113.6
131 89.7 71.4 107.2

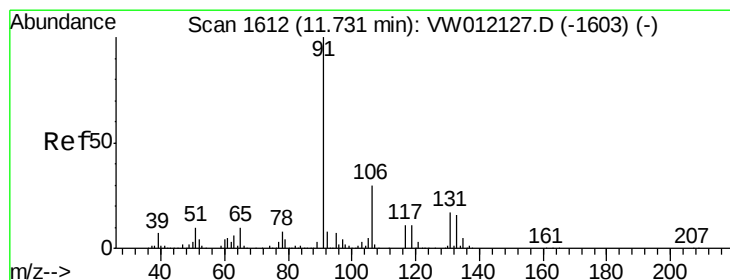
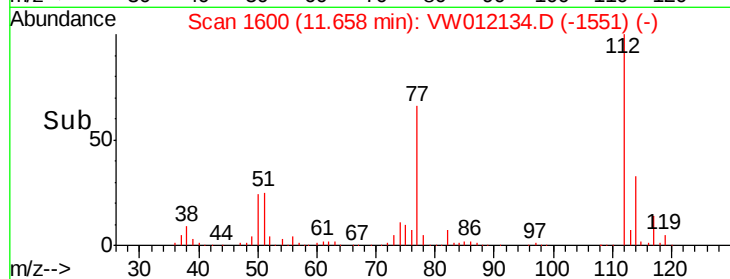
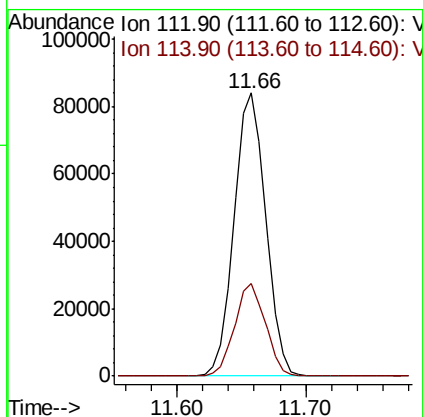
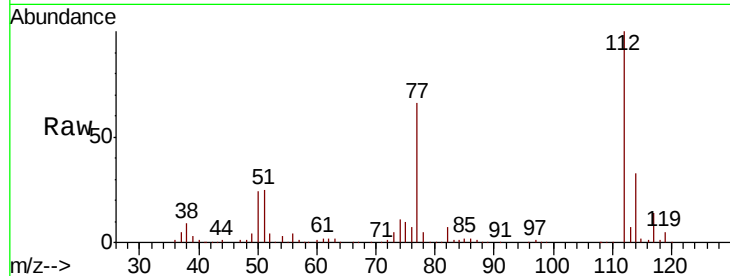




#65
Chlorobenzene
Concen: 19.714 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

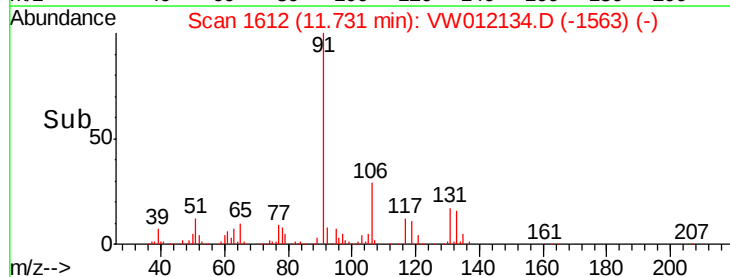
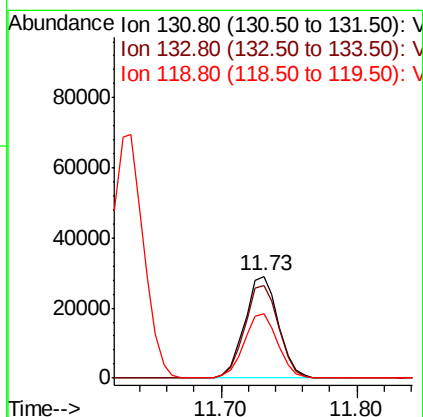
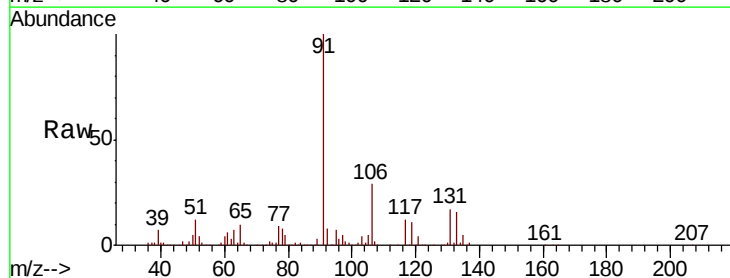
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tgt Ion:112 Resp: 143308
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.793 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion:131 Resp: 50196
Ion Ratio Lower Upper
131 100
133 92.0 47.1 141.3
119 63.4 31.8 95.3

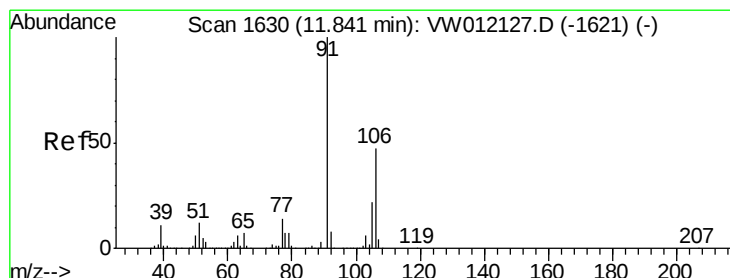
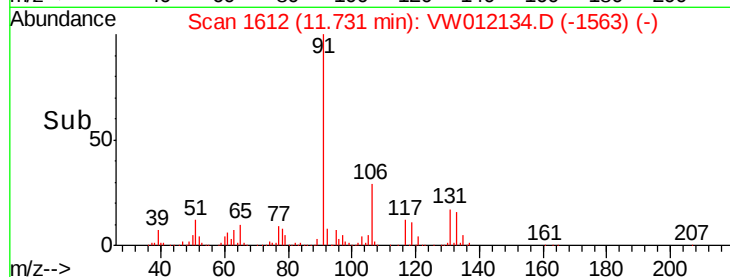
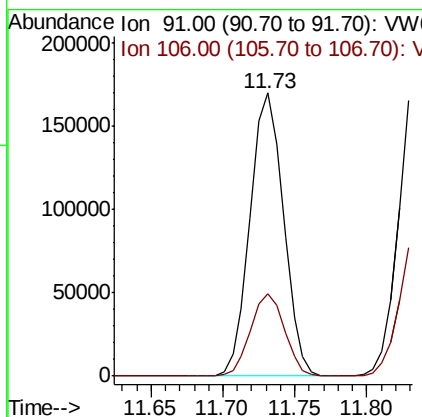
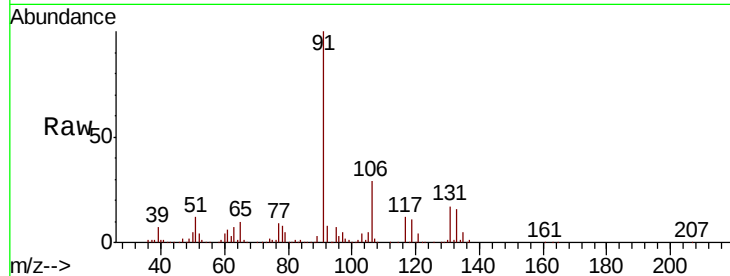




#67
Ethyl Benzene
Concen: 19.534 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

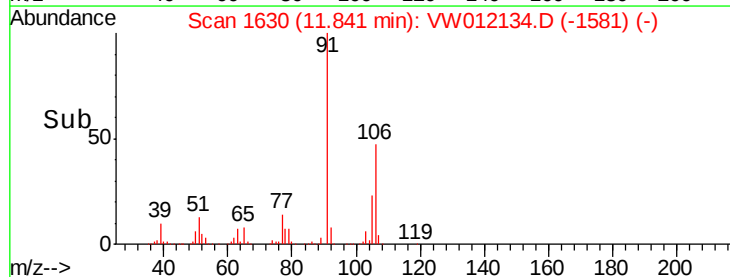
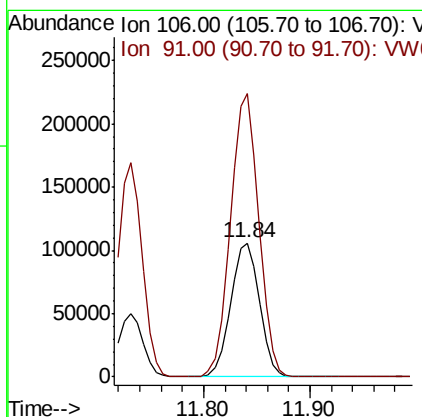
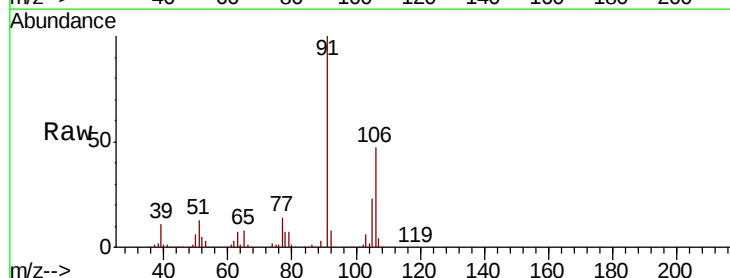
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tgt Ion: 91 Resp: 273543
Ion Ratio Lower Upper
91 100
106 29.2 24.3 36.5



#68
m/p-Xylenes
Concen: 39.625 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion: 106 Resp: 199875
Ion Ratio Lower Upper
106 100
91 208.4 169.5 254.3

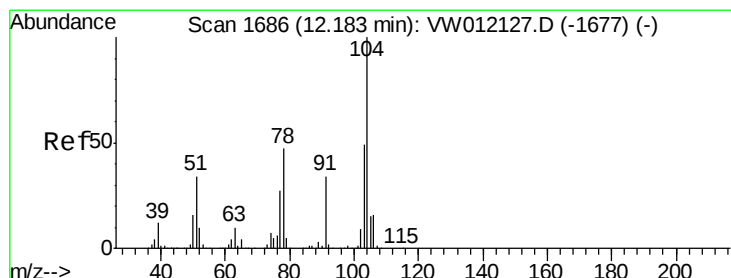
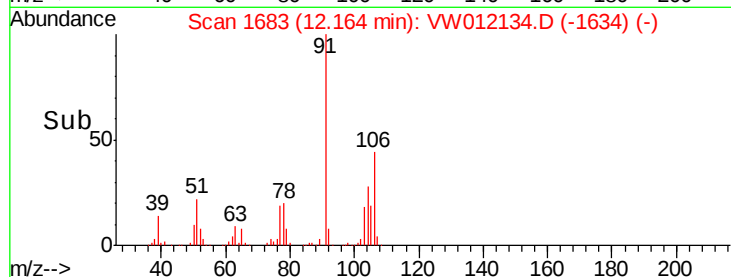
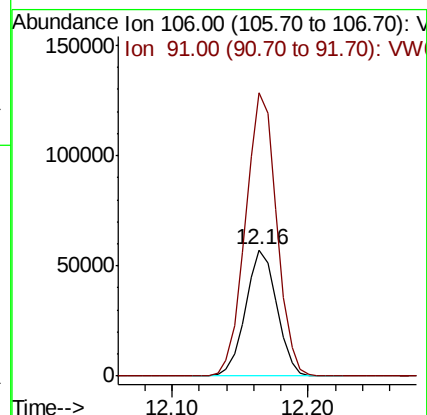
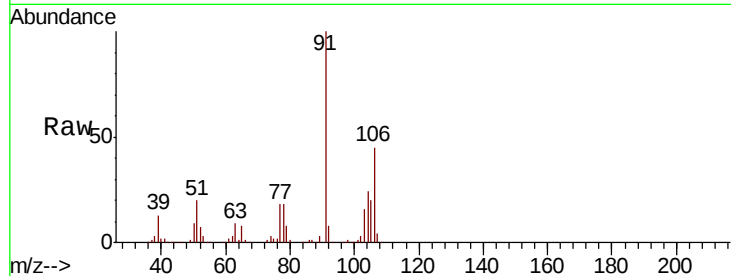




#69
o-Xylene
Concen: 19.704 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

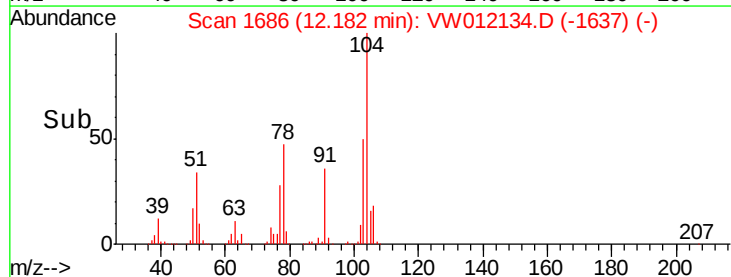
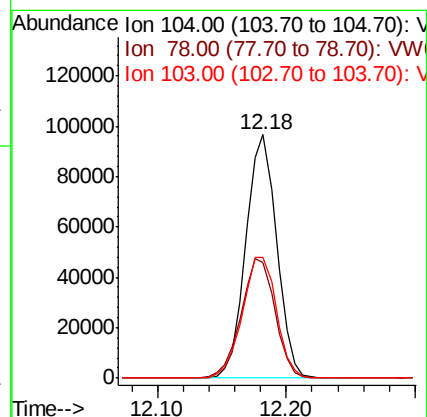
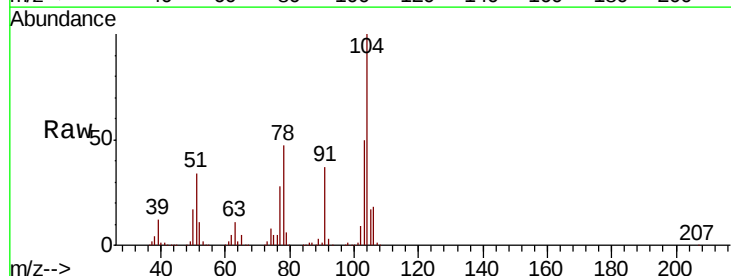
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

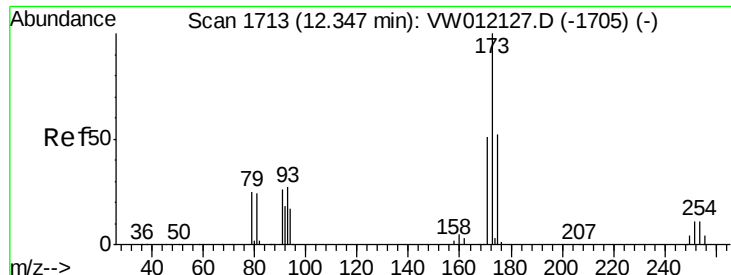
Tgt Ion:106 Resp: 91988
Ion Ratio Lower Upper
106 100
91 223.9 111.6 334.6



#70
Styrene
Concen: 19.719 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion:104 Resp: 159347
Ion Ratio Lower Upper
104 100
78 54.3 43.1 64.7
103 55.3 43.5 65.3





#71

Bromoform

Concen: 18.736 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

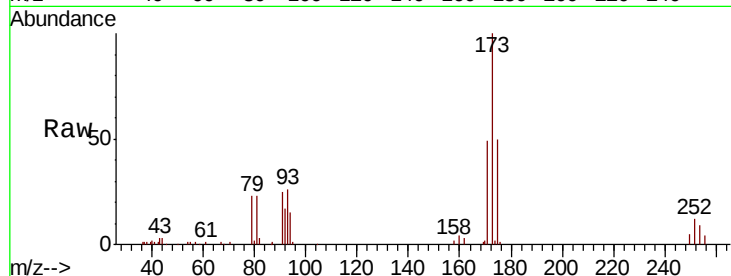
Tgt Ion:173 Resp: 23674

Ion Ratio Lower Upper

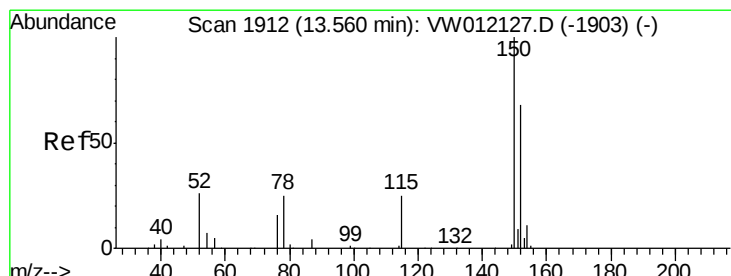
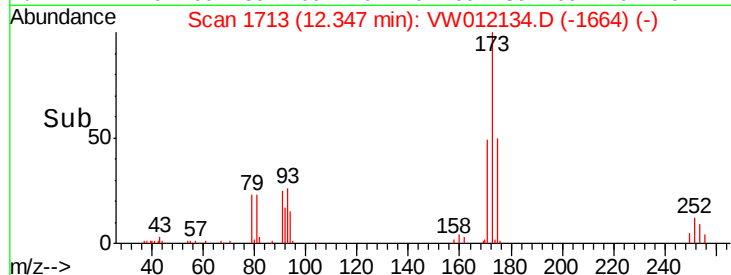
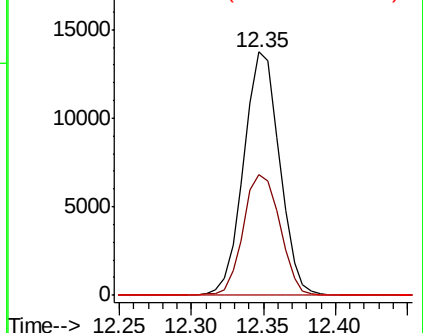
173 100

175 50.7 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

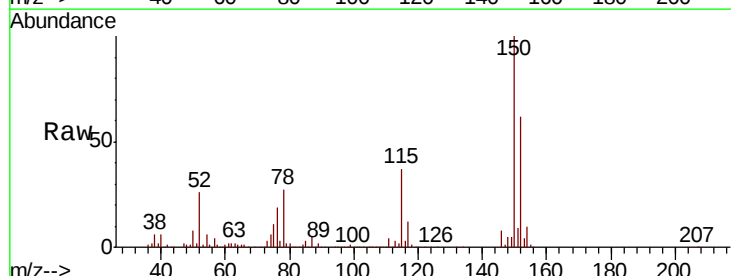
Tgt Ion:152 Resp: 176391

Ion Ratio Lower Upper

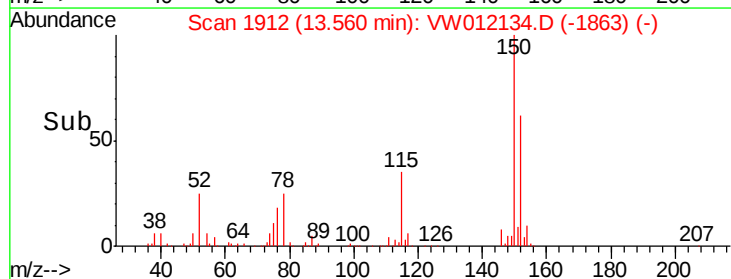
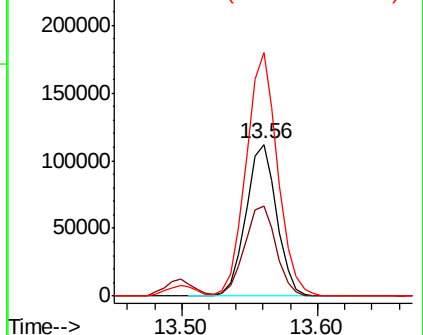
152 100

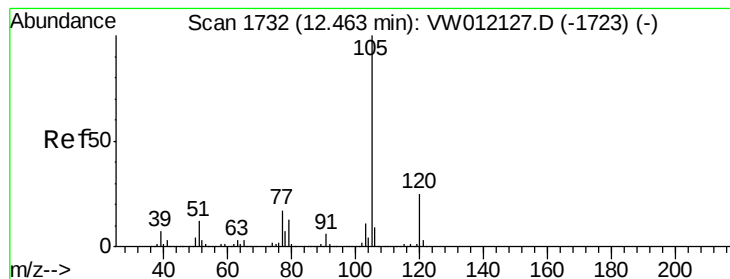
115 61.4 30.1 90.3

150 165.3 0.0 345.8



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





#73

Isopropylbenzene

Concen: 19.705 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

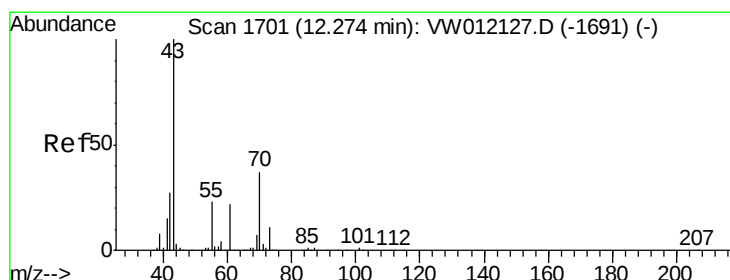
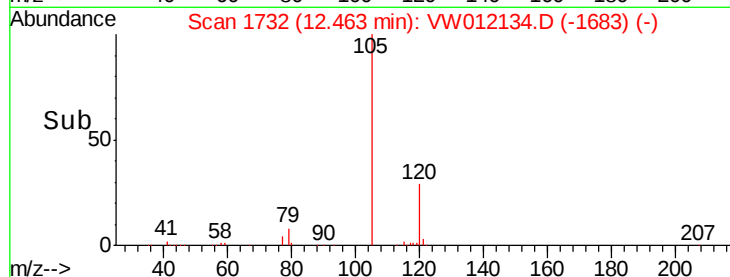
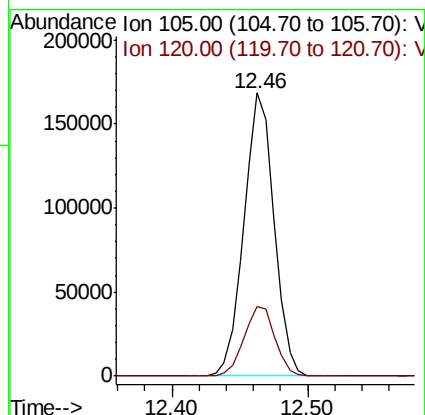
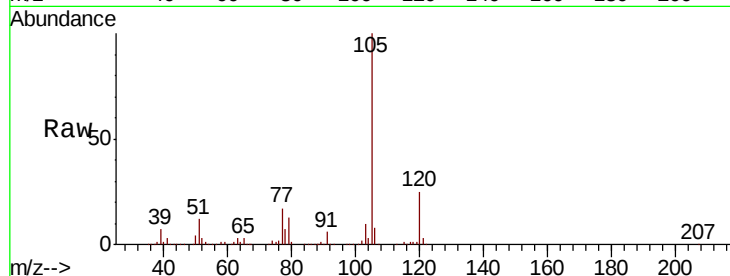
VW0823SBS01

Tgt Ion:105 Resp: 260450

Ion Ratio Lower Upper

105 100

120 25.4 12.5 37.5



#74

N-ethyl acetate

Concen: 19.233 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Tgt Ion: 43 Resp: 76804

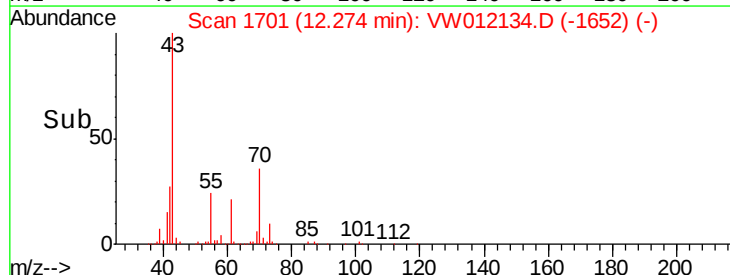
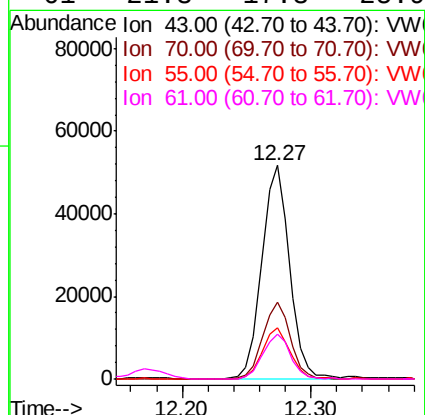
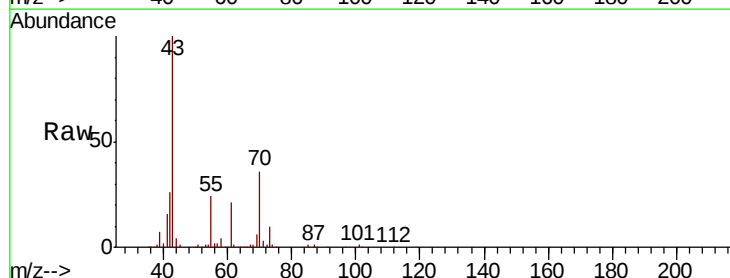
Ion Ratio Lower Upper

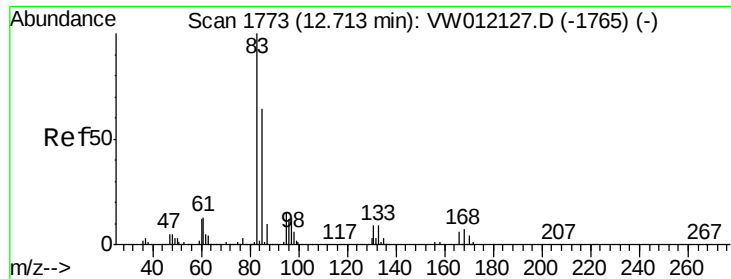
43 100

70 35.9 28.6 43.0

55 24.0 17.8 26.6

61 21.3 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.595 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

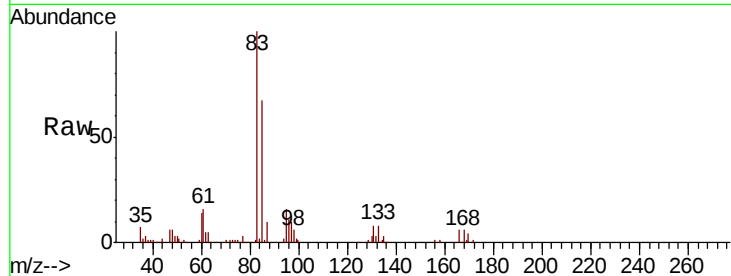
Tgt Ion: 83 Resp: 47481

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

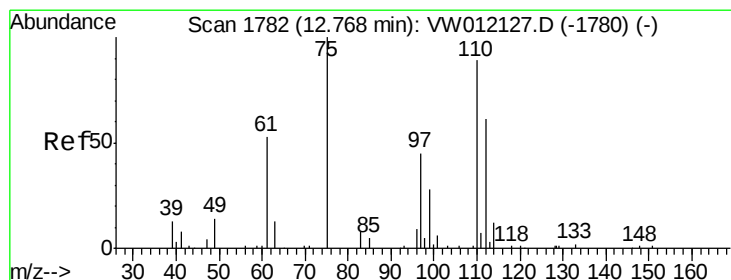
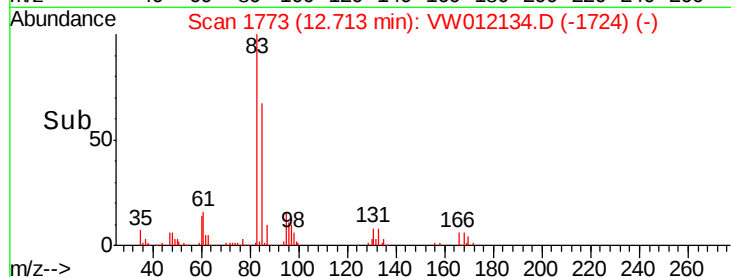
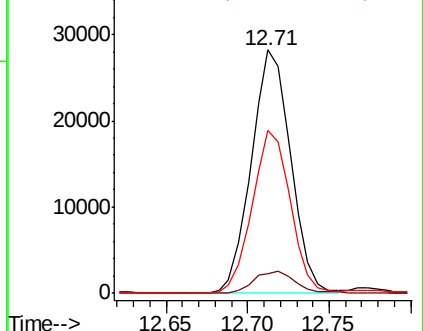
85 64.9 31.9 95.7



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: 37.074 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012134.D

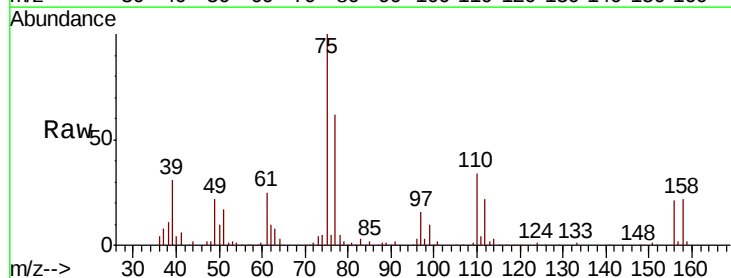
Acq: 23 Aug 2019 15:56

Tgt Ion: 75 Resp: 63690

Ion Ratio Lower Upper

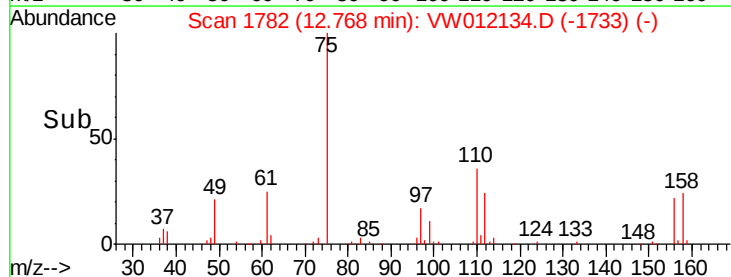
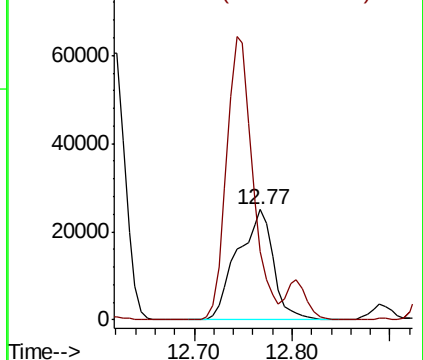
75 100

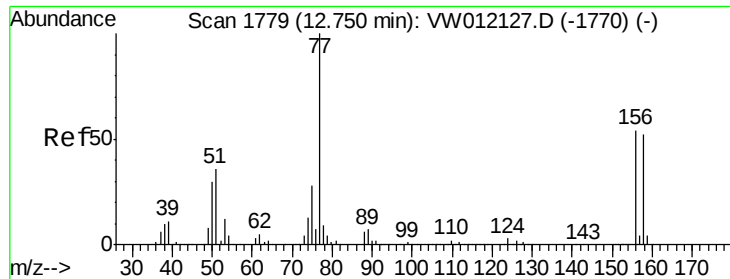
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.664 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

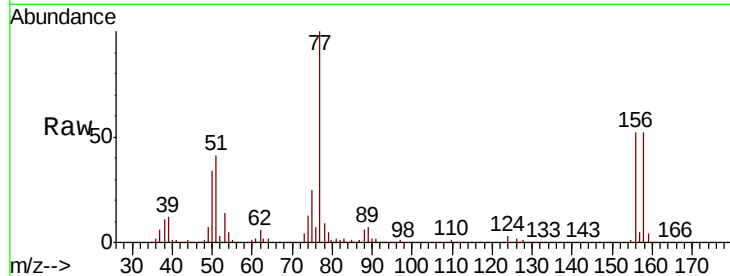
Tgt Ion:156 Resp: 56226

Ion Ratio Lower Upper

156 100

77 214.0 107.3 321.8

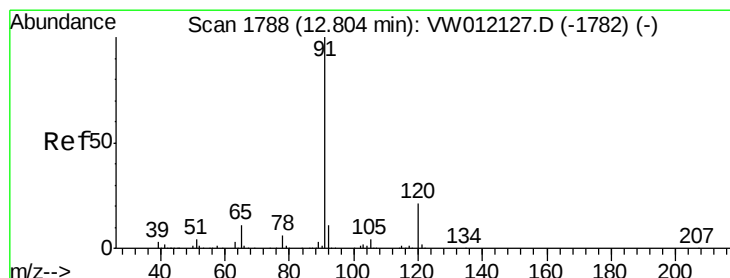
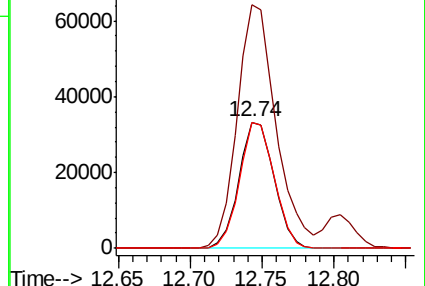
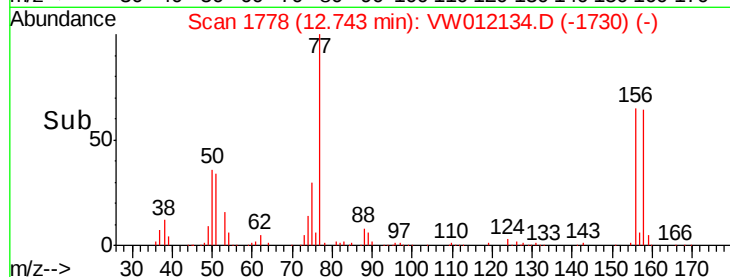
158 98.4 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.711 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012134.D

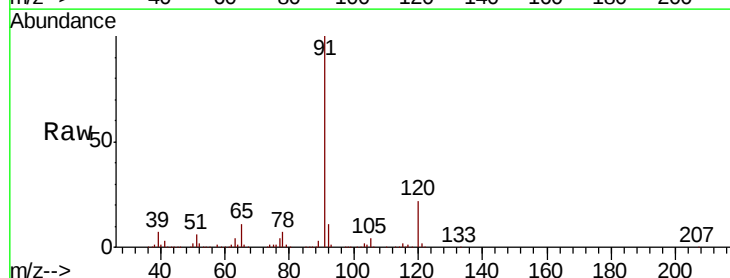
Acq: 23 Aug 2019 15:56

Tgt Ion: 91 Resp: 318052

Ion Ratio Lower Upper

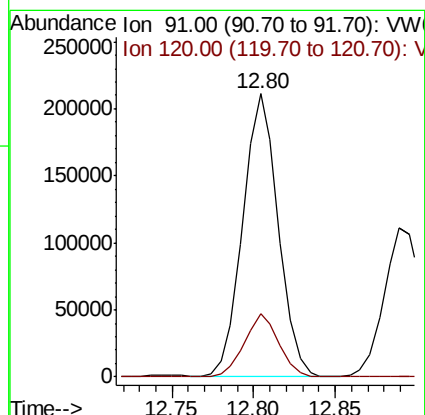
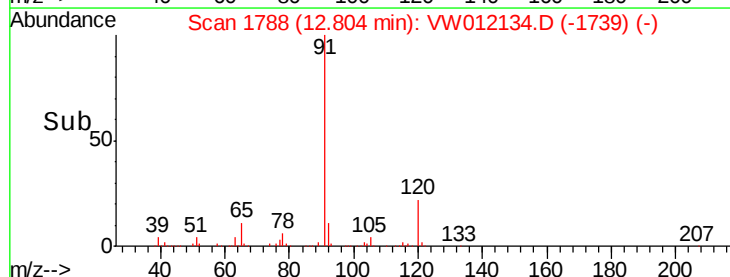
91 100

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: 19.801 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

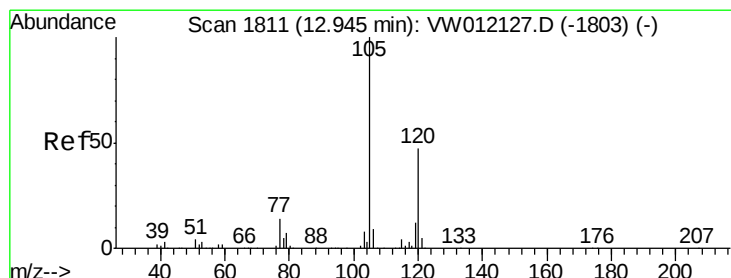
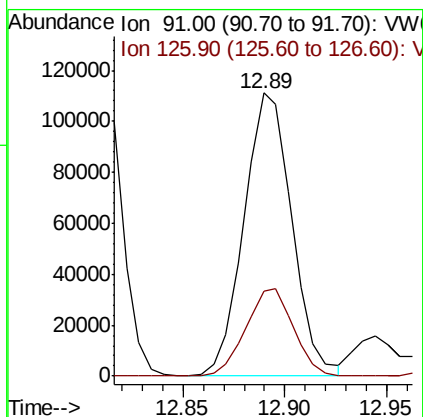
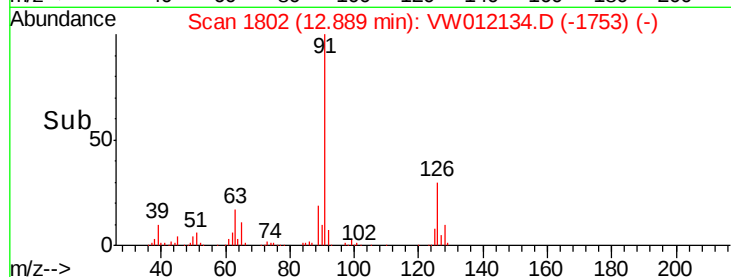
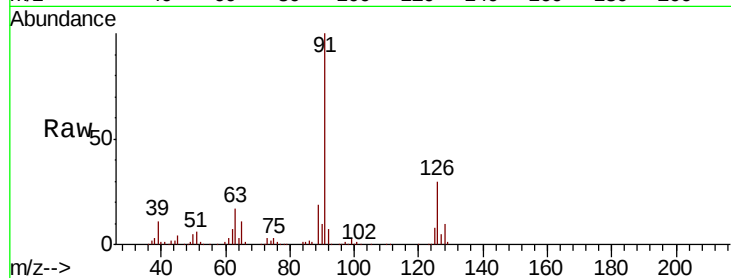
VW0823SBS01

Tgt Ion: 91 Resp: 181398

Ion Ratio Lower Upper

91 100

126 31.0 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 19.813 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012134.D

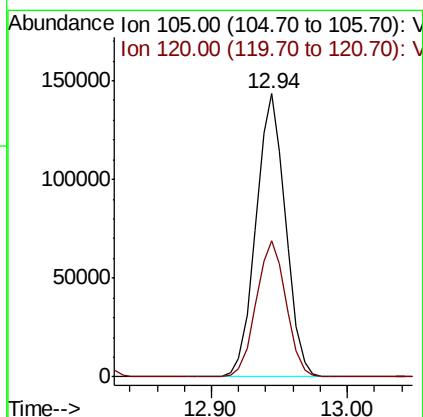
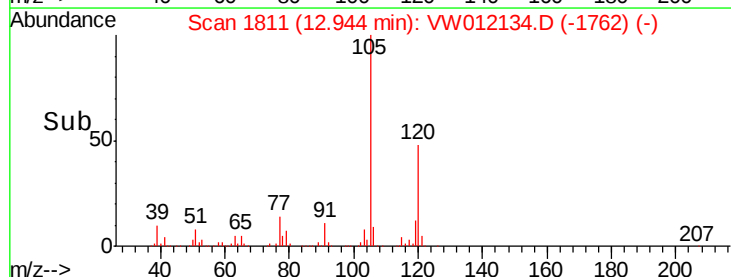
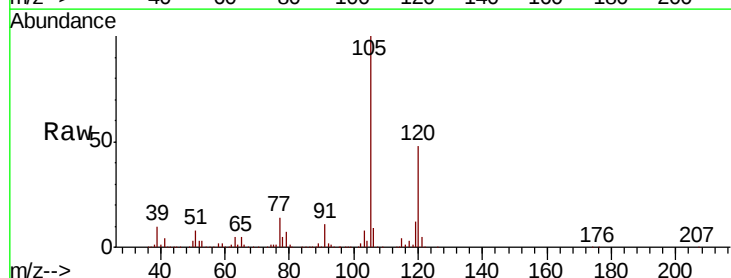
Acq: 23 Aug 2019 15:56

Tgt Ion: 105 Resp: 218820

Ion Ratio Lower Upper

105 100

120 48.5 24.0 72.0

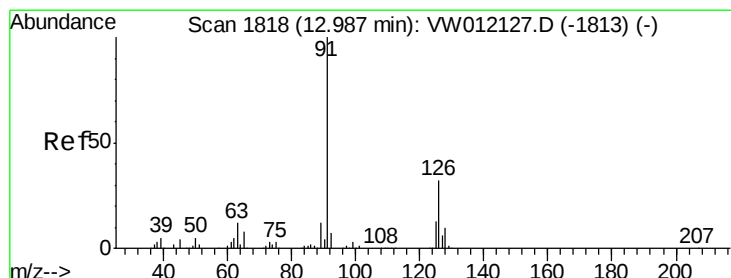
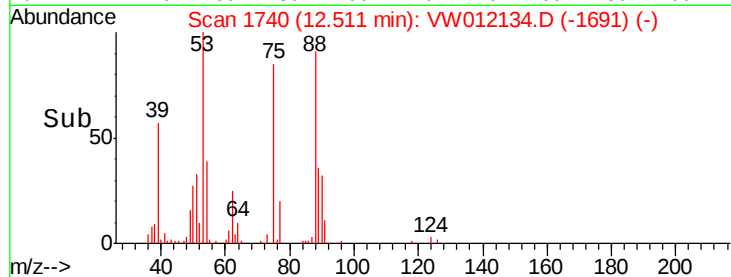
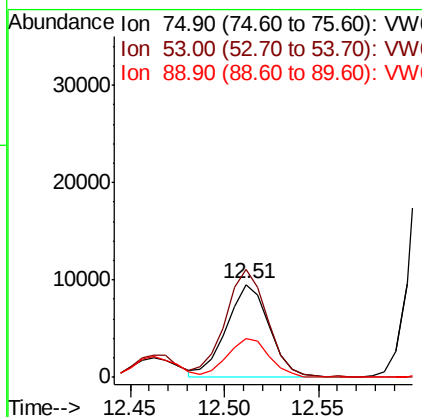
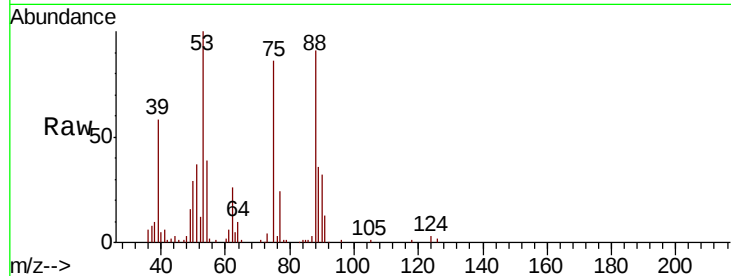




#81
trans-1,4-Dichloro-2-butene
Concen: 19.152 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

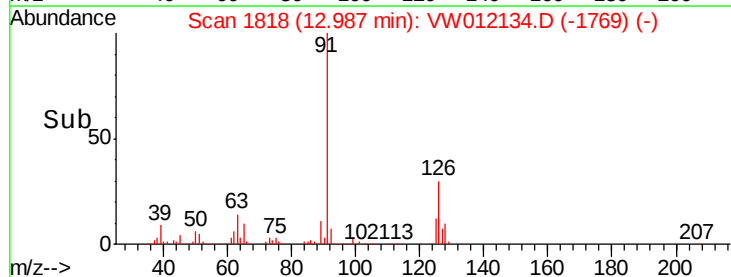
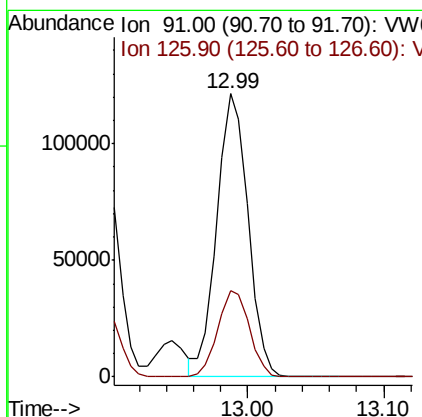
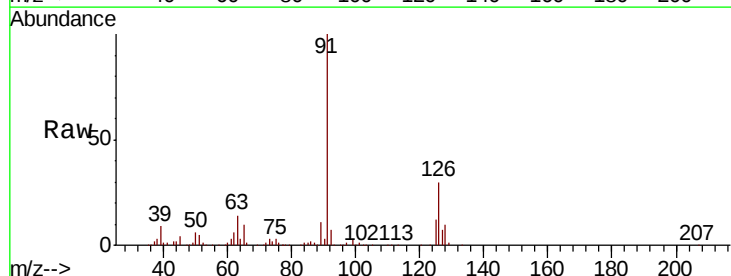
Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

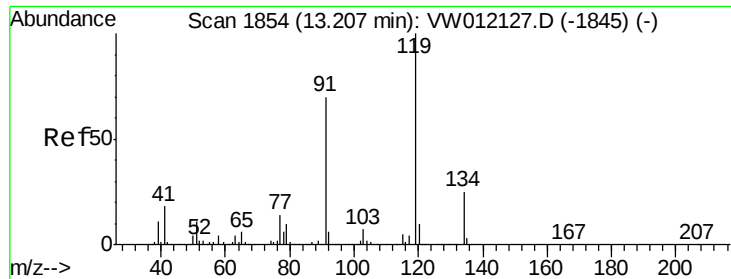
Tgt Ion: 75 Resp: 15006
Ion Ratio Lower Upper
75 100
53 116.3 89.4 134.0
89 41.0 34.5 51.7



#82
4-Chlorotoluene
Concen: 20.197 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion: 91 Resp: 193727
Ion Ratio Lower Upper
91 100
126 30.8 15.6 46.8

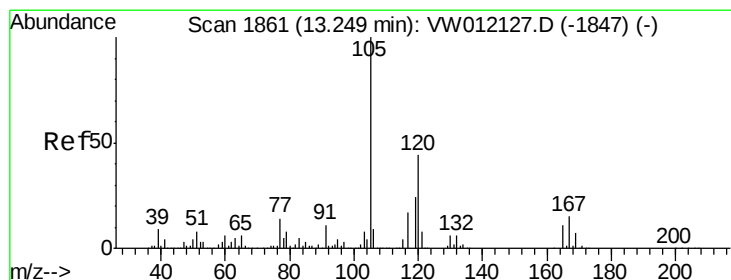
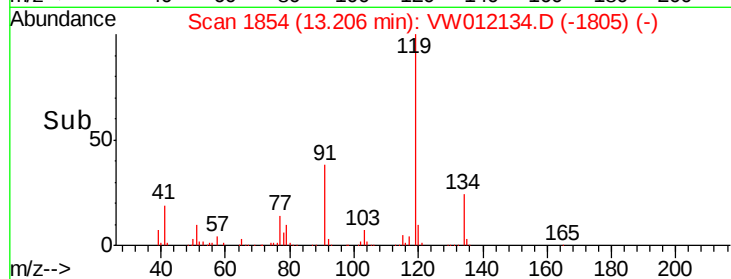
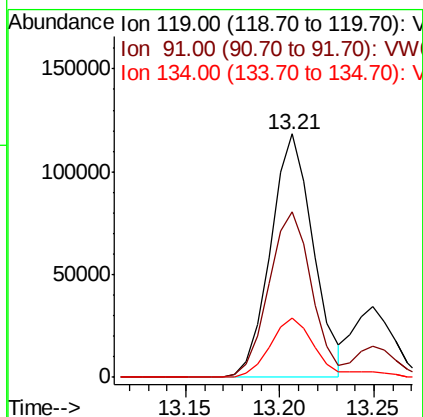
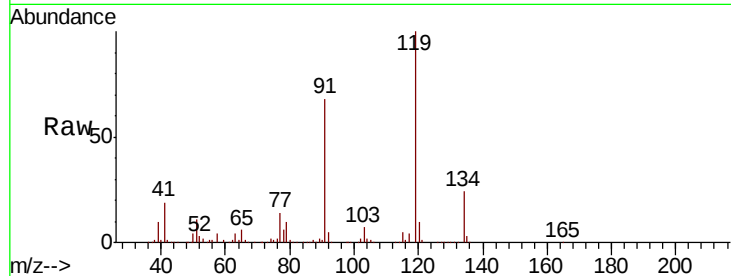




#83
 tert-Butylbenzene
 Concen: 19.846 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

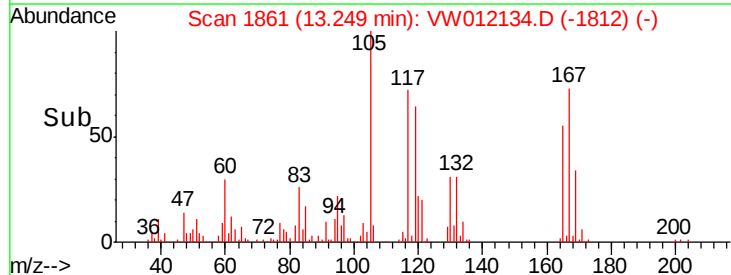
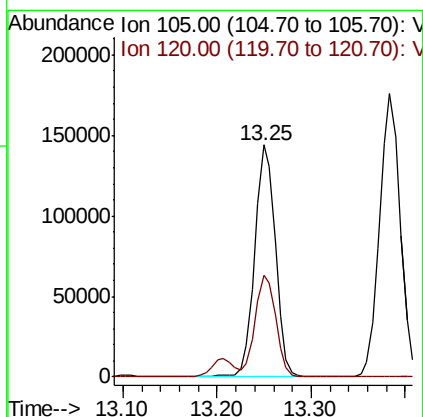
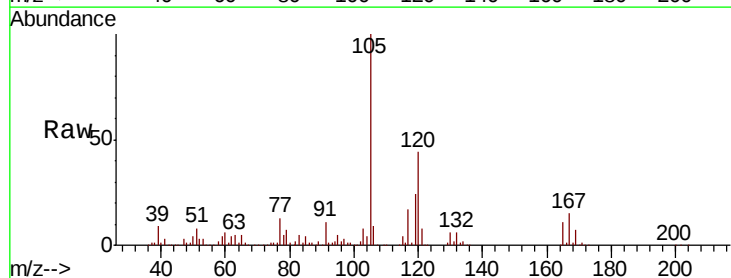
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

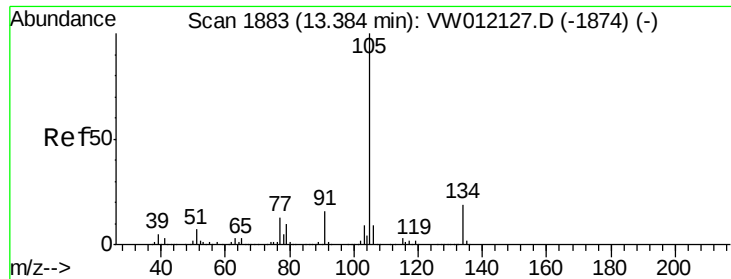
Tgt Ion:119 Resp: 185664
 Ion Ratio Lower Upper
 119 100
 91 68.3 34.8 104.3
 134 24.9 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.910 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion:105 Resp: 220885
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 19.955 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

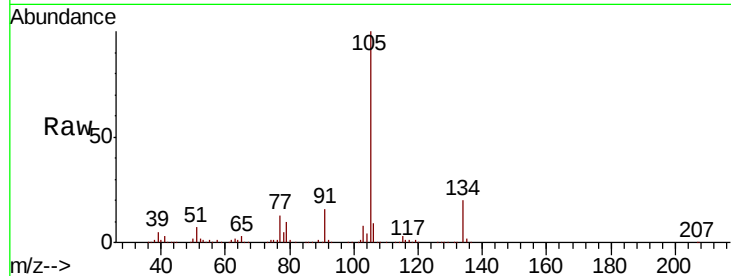
VW0823SBS01

Tgt Ion:105 Resp: 267461

Ion Ratio Lower Upper

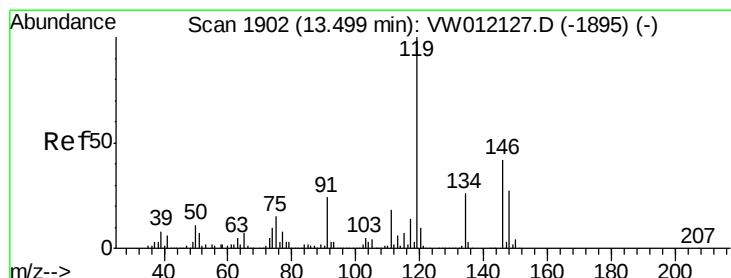
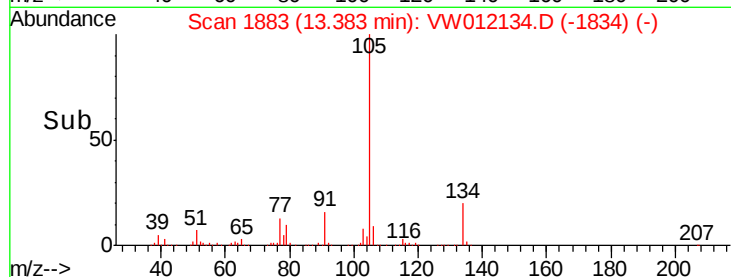
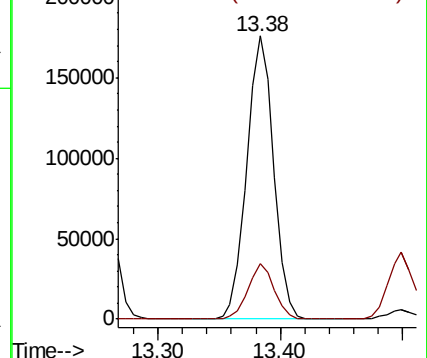
105 100

134 19.2 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.953 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

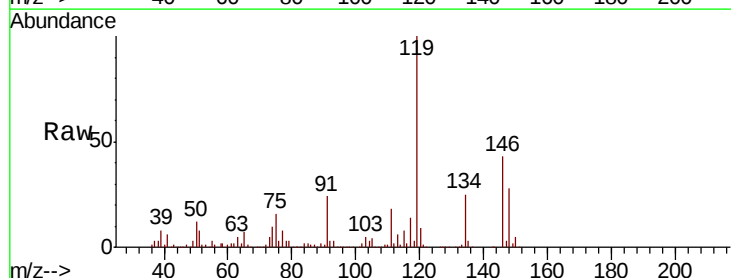
Tgt Ion:119 Resp: 238838

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

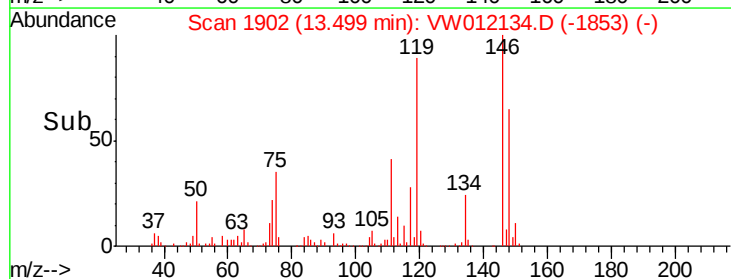
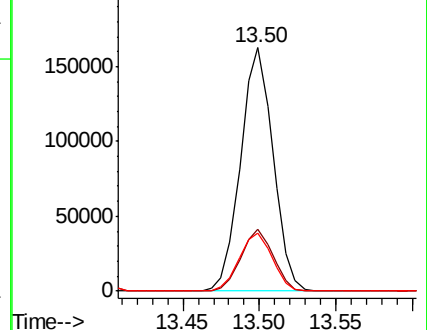
91 24.4 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.010 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

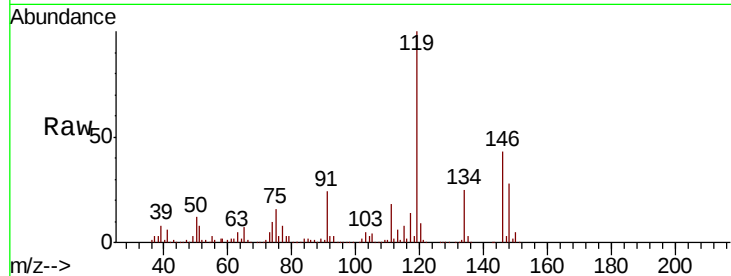
Tgt Ion:146 Resp: 111916

Ion Ratio Lower Upper

146 100

111 41.6 20.9 62.7

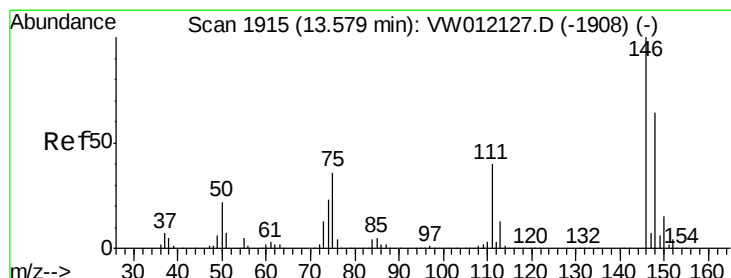
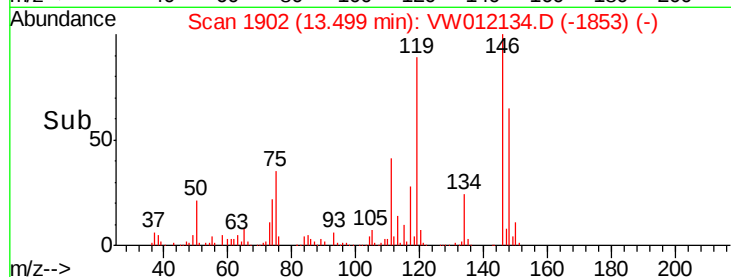
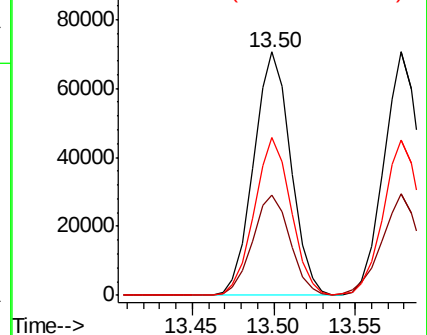
148 63.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.870 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

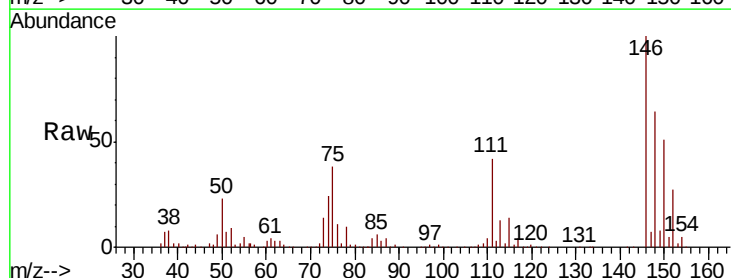
Tgt Ion:146 Resp: 110345

Ion Ratio Lower Upper

146 100

111 42.6 20.0 60.0

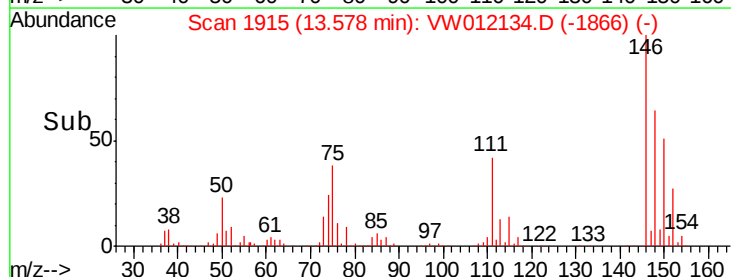
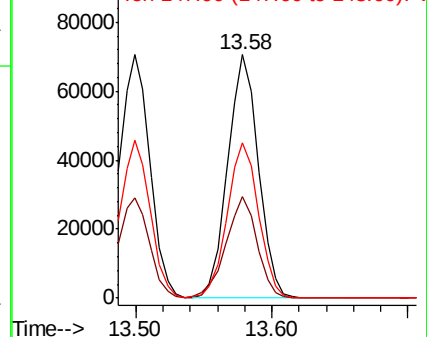
148 65.1 32.1 96.3

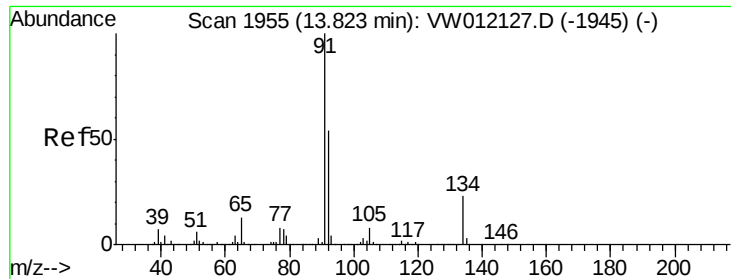


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.815 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012134.D

Acq: 23 Aug 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

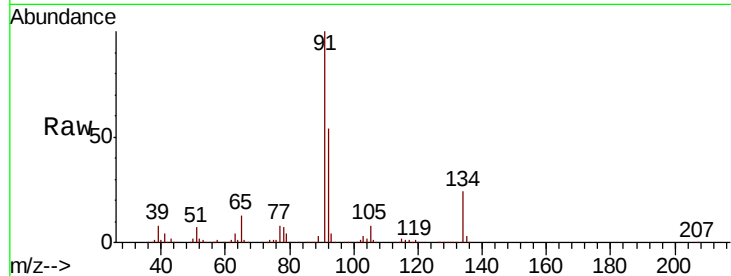
Tgt Ion: 91 Resp: 235870

Ion Ratio Lower Upper

91 100

92 53.5 27.1 81.2

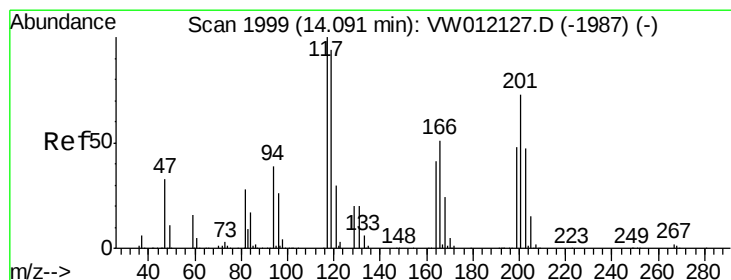
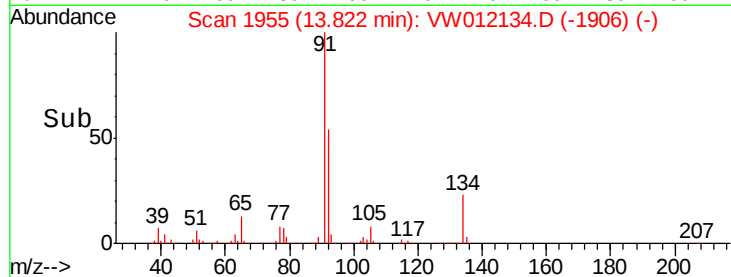
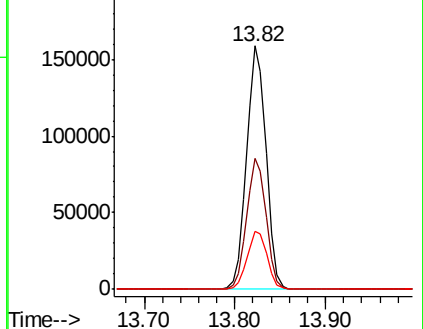
134 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.544 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW012134.D

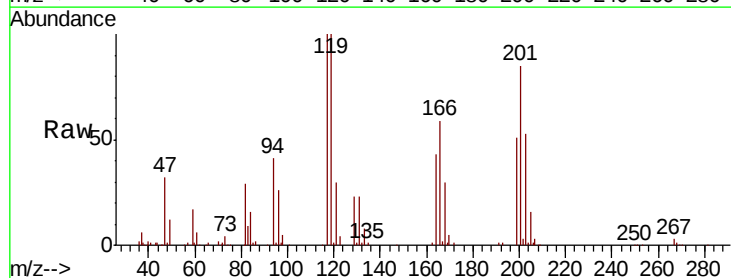
Acq: 23 Aug 2019 15:56

Tgt Ion: 117 Resp: 41044

Ion Ratio Lower Upper

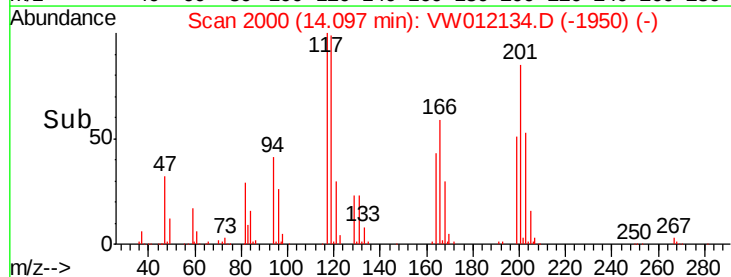
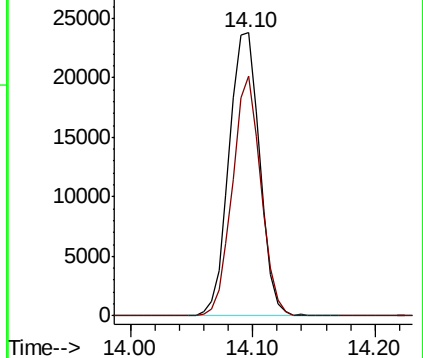
117 100

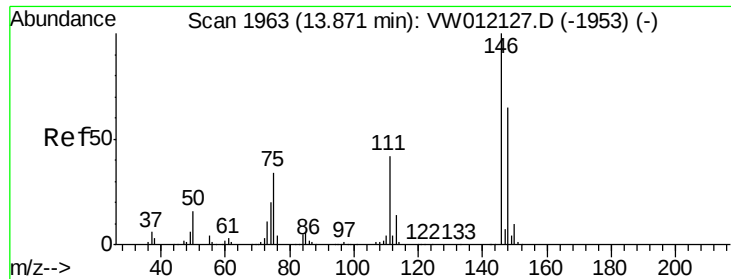
201 78.6 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

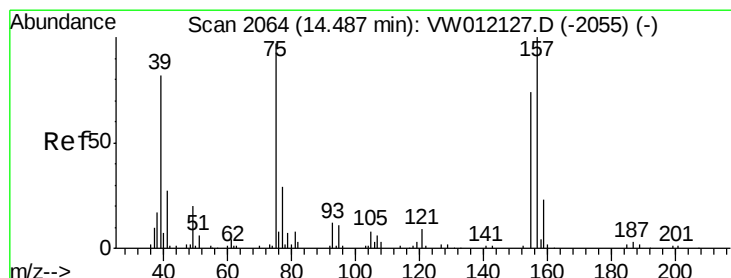
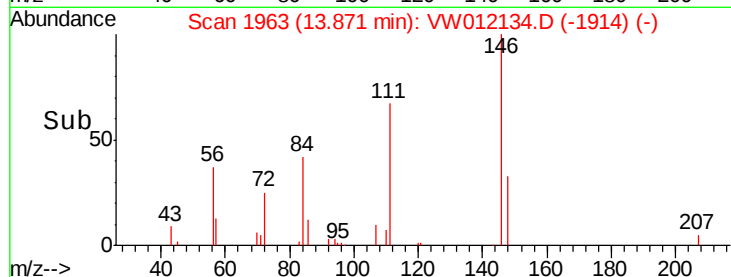
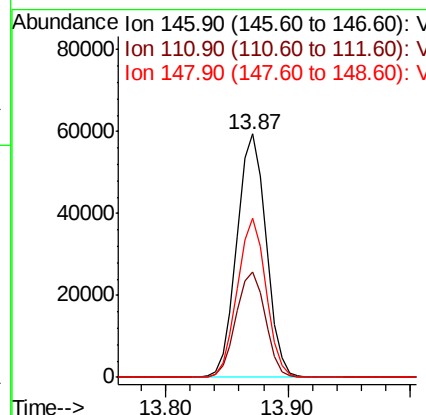
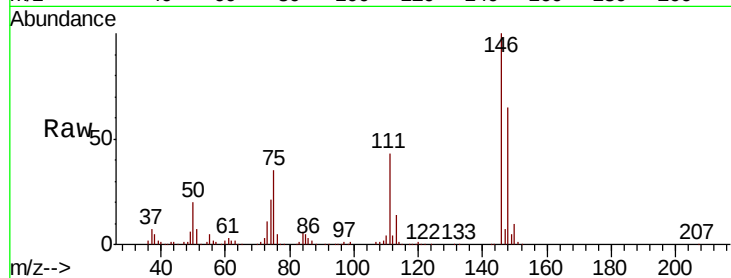




#91
 1,2-Dichlorobenzene
 Concen: 20.012 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

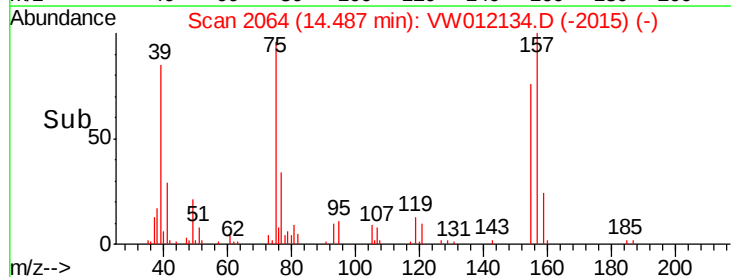
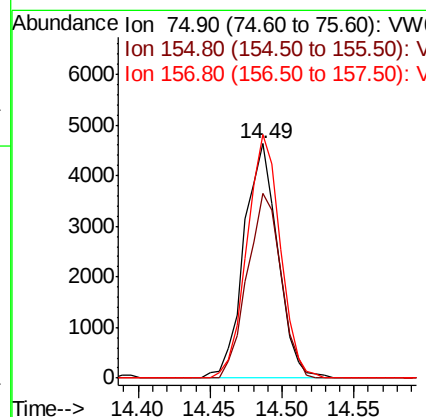
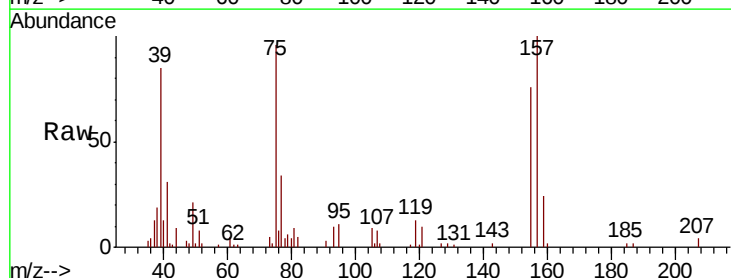
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

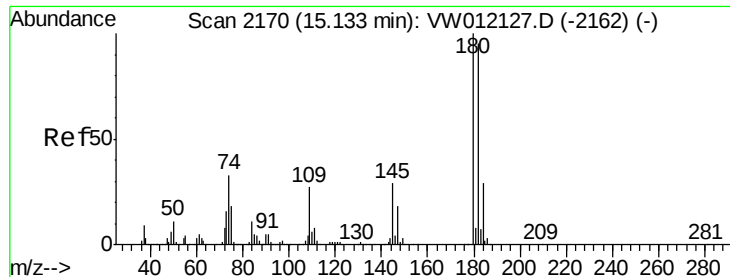
Tgt Ion: 146 Resp: 98188
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.2 63.6
 148 63.9 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.455 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion: 75 Resp: 7539
 Ion Ratio Lower Upper
 75 100
 155 78.5 37.5 112.3
 157 102.2 50.5 151.5

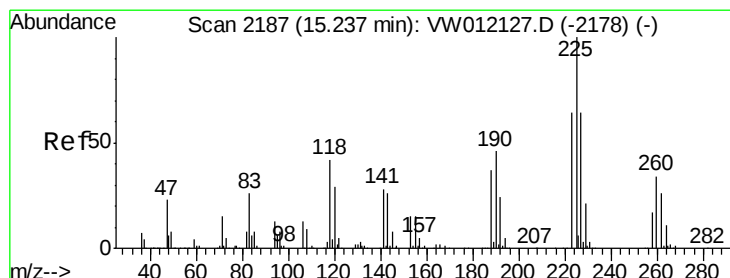
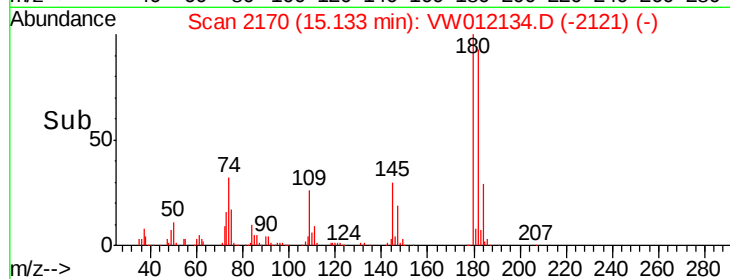
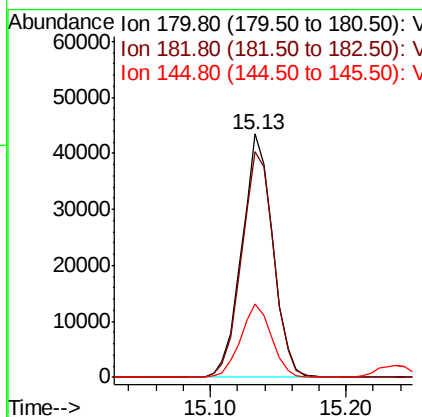
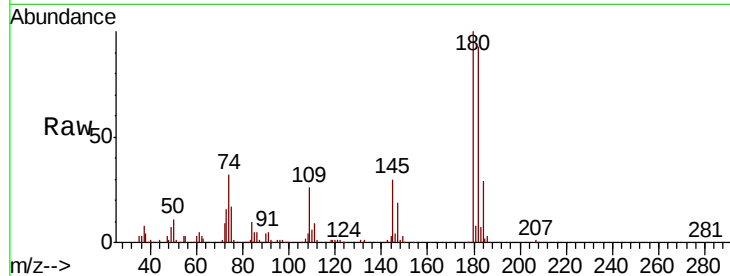




#93
 1,2,4-Trichlorobenzene
 Concen: 20.374 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

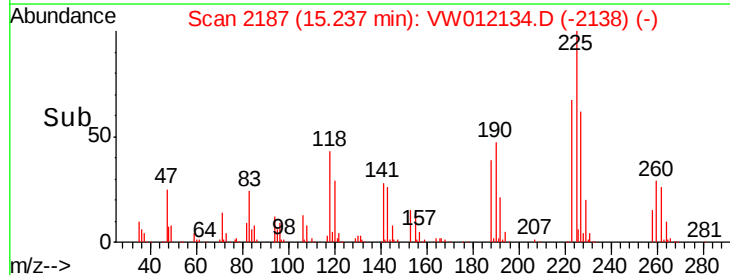
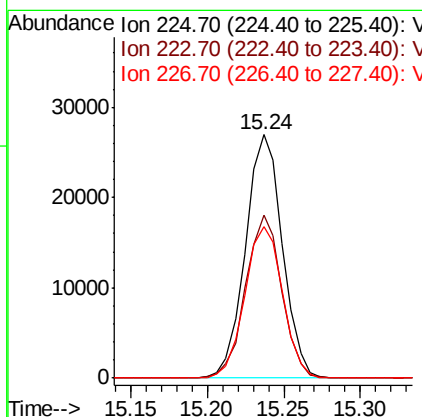
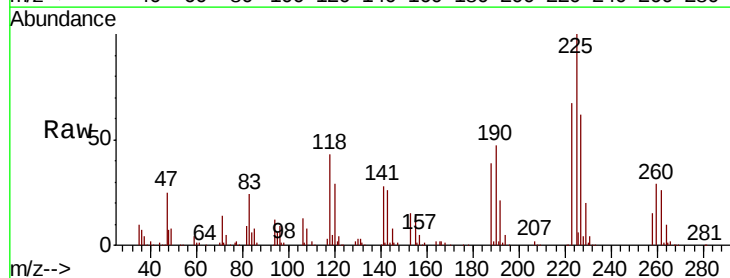
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

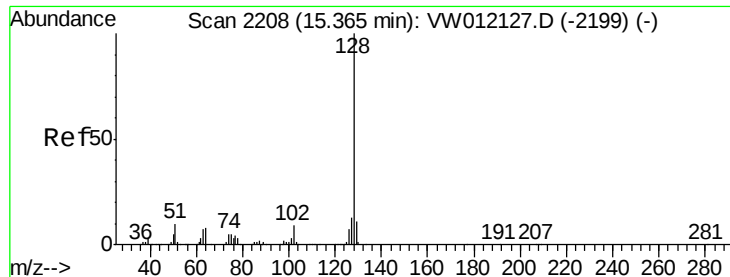
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.4
145	30.3	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 20.154 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012134.D
 Acq: 23 Aug 2019 15:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.3	96.8
227	63.6	32.9	98.6

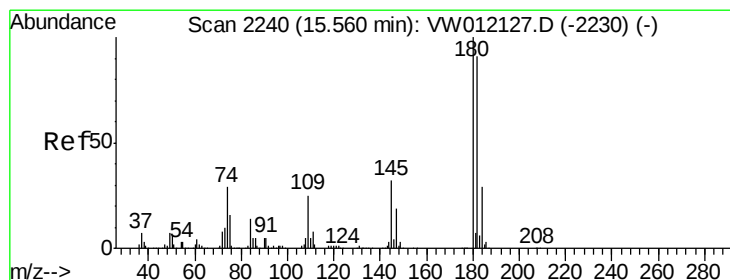
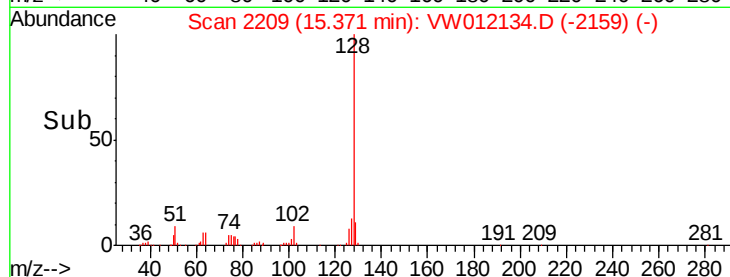
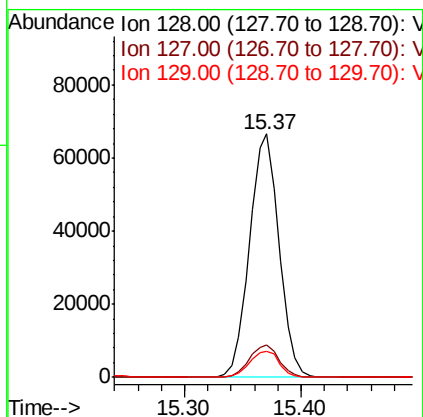
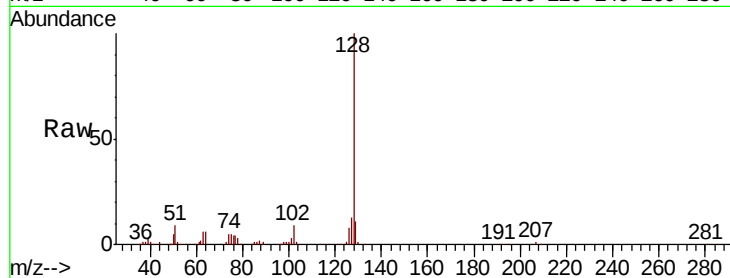




#95
Naphthalene
Concen: 20.527 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.220 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012134.D
Acq: 23 Aug 2019 15:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.3
145	32.0	16.2	48.5

