

Data File : VW012684.D
Acq On : 06 Sep 2019 12:06
Operator : SY/VA
Sample : VW0906SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

Quant Time: Sep 07 04:35:54 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	240106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	355529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	159909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	133393	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	7.88	113	105574	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.32	98	393786	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
62) 4-Bromofluorobenzene	12.62	95	149461	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35892	24.277	ug/l	97
3) Chloromethane	2.21	50	40420	17.647	ug/l	96
4) Vinyl Chloride	2.35	62	46545	16.603	ug/l	100
5) Bromomethane	2.77	94	23126	16.288	ug/l	99
6) Chloroethane	2.90	64	24499	15.491	ug/l	95
7) Trichlorofluoromethane	3.23	101	28814	20.469	ug/l	96
8) Diethyl Ether	3.67	74	24381	18.247	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.04	101	47719	19.943	ug/l	98
10) Methyl Iodide	4.26	142	57591	17.788	ug/l	97
11) Tert butyl alcohol	5.23	59	13833	80.533	ug/l #	88
12) 1,1-Dichloroethene	4.02	96	43960	18.253	ug/l	96
13) Acrolein	3.90	56	10314	63.789	ug/l	97
14) Allyl chloride	4.65	41	87378	16.971	ug/l	95
15) Acrylonitrile	5.37	53	60817	91.828	ug/l	98
16) Acetone	4.14	43	59287	81.258	ug/l	95
17) Carbon Disulfide	4.37	76	90477	12.431	ug/l	99
18) Methyl Acetate	4.67	43	31902	17.654	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	81939	21.038	ug/l	97
20) Methylene Chloride	4.90	84	55000	19.940	ug/l	99
21) trans-1,2-Dichloroethene	5.40	96	46687	18.077	ug/l	95
22) Diisopropyl ether	6.30	45	173288	18.157	ug/l	96
23) Vinyl Acetate	6.24	43	503236	85.681	ug/l	99
24) 1,1-Dichloroethane	6.21	63	93360	17.966	ug/l	99
25) 2-Butanone	7.17	43	80917	81.614	ug/l	98
26) 2,2-Dichloropropane	7.16	77	57041	19.394	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	51662	18.723	ug/l	99
28) Bromochloromethane	7.51	49	40298	17.793	ug/l	92
29) Tetrahydrofuran	7.53	42	50436	84.790	ug/l	97
30) Chloroform	7.67	83	90630	19.063	ug/l	97
31) Cyclohexane	7.95	56	88600	17.234	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	75283	20.017	ug/l	99
36) 1,1-Dichloropropene	8.07	75	72298	19.678	ug/l	100
37) Ethyl Acetate	7.26	43	37924	18.837	ug/l	98
38) Carbon Tetrachloride	8.07	117	69921	21.988	ug/l	99

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78888	19.113	ug/l	99
40) Benzene	8.32	78	198870	19.823	ug/l	99
41) Methacrylonitrile	7.48	41	24531	20.731	ug/l	95
42) 1,2-Dichloroethane	8.40	62	67494	21.467	ug/l	99
43) Isopropyl Acetate	8.42	43	69668	18.682	ug/l	97
44) Trichloroethene	9.09	130	49463	20.282	ug/l	95
45) 1,2-Dichloropropane	9.37	63	52495	19.443	ug/l	95
46) Dibromomethane	9.45	93	24705	20.566	ug/l	97
47) Bromodichloromethane	9.64	83	65391	20.453	ug/l	99
48) Methyl methacrylate	9.43	41	32138	18.107	ug/l	92
49) 1,4-Dioxane	9.48	88	6445	350.458	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	181029	95.439	ug/l	99
52) Toluene	10.38	92	119939	19.901	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	65067	19.980	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	76220	19.383	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	35801	21.064	ug/l	98
56) Ethyl methacrylate	10.64	69	48421	19.574	ug/l	99
57) 1,3-Dichloropropane	10.93	76	65102	20.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	131178	103.326	ug/l	97
59) 2-Hexanone	10.97	43	123446	91.979	ug/l	100
60) Dibromochloromethane	11.13	129	39606	20.921	ug/l	98
61) 1,2-Dibromoethane	11.23	107	31988	20.202	ug/l	100
64) Tetrachloroethene	10.86	164	40685	19.995	ug/l	97
65) Chlorobenzene	11.65	112	126271	20.432	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	45195	20.963	ug/l	99
67) Ethyl Benzene	11.73	91	241174	20.259	ug/l	99
68) m/p-Xylenes	11.83	106	174879	40.781	ug/l	98
69) o-Xylene	12.16	106	79884	20.128	ug/l	98
70) Styrene	12.18	104	144647	21.056	ug/l	99
71) Bromoform	12.35	173	22850	21.273	ug/l #	97
73) Isopropylbenzene	12.46	105	234987	19.611	ug/l	98
74) N-amyl acetate	12.27	43	65095	17.981	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	39934	18.179	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	54252	34.835	ug/l #	100
77) Bromobenzene	12.74	156	49855	19.233	ug/l	95
78) n-propylbenzene	12.80	91	280089	19.148	ug/l	99
79) 2-Chlorotoluene	12.89	91	160864	19.370	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	201637	20.139	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12052	16.967	ug/l	90
82) 4-Chlorotoluene	12.99	91	171040	19.669	ug/l	98
83) tert-Butylbenzene	13.21	119	175375	20.678	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	198266	19.713	ug/l	100
85) sec-Butylbenzene	13.38	105	243976	20.079	ug/l	99
86) p-Isopropyltoluene	13.49	119	222660	20.519	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102595	20.235	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103215	20.502	ug/l	100
89) n-Butylbenzene	13.82	91	213830	19.815	ug/l	100
90) Hexachloroethane	14.09	117	36401	19.120	ug/l	89
91) 1,2-Dichlorobenzene	13.87	146	91473	20.565	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7215	19.483	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090619\
Quantitation Report (Not Reviewed)

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Operator : SY/VA
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64497	20.983	ug/l	99
94) Hexachlorobutadiene	15.24	225	43398	21.382	ug/l	99
95) Naphthalene	15.36	128	105903	20.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	56452	21.050	ug/l	99

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

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Misc : 5.00G/5ML/MSVOA W/SOIL

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

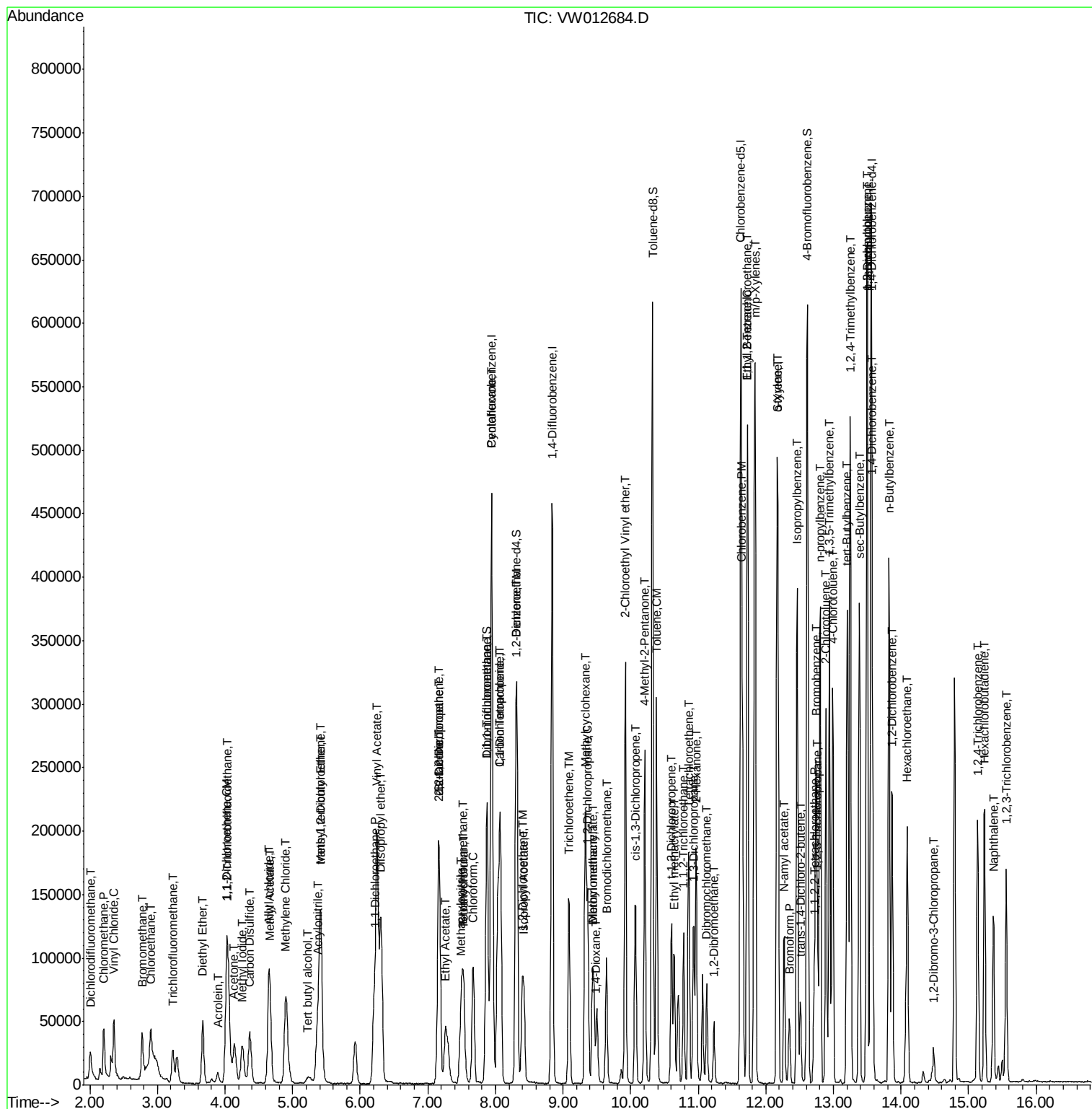
Quant Time: Sep 07 04:35:54 2019

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W082319S.M

Quant Title : SW846 8260

QLast Update : Mon Aug 26 07:18:31 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

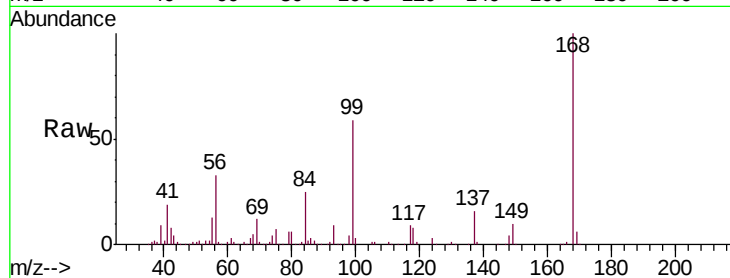
VW0906SBS01

Tgt Ion:168 Resp: 240106

Ion Ratio Lower Upper

168 100

99 58.6 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

120000

100000

80000

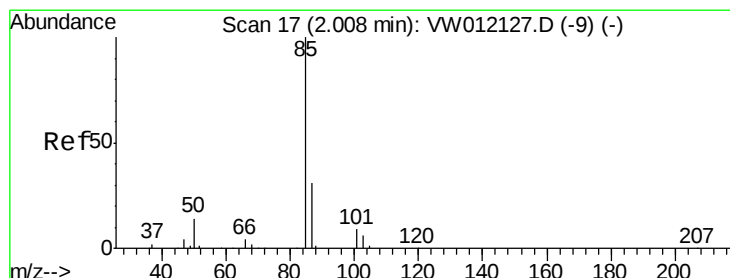
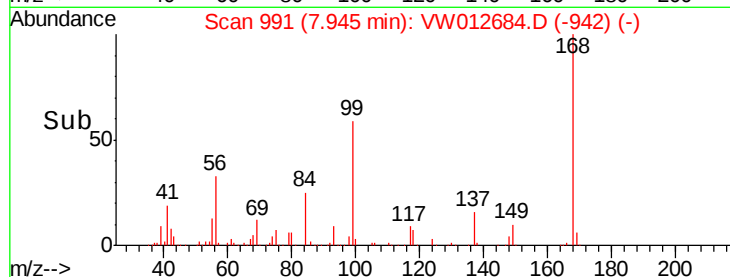
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 24.277 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012684.D

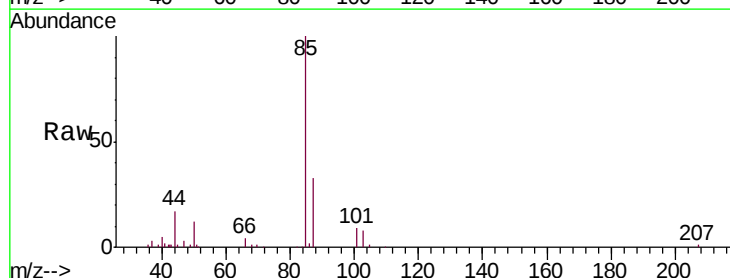
Acq: 06 Sep 2019 12:06

Tgt Ion: 85 Resp: 35892

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

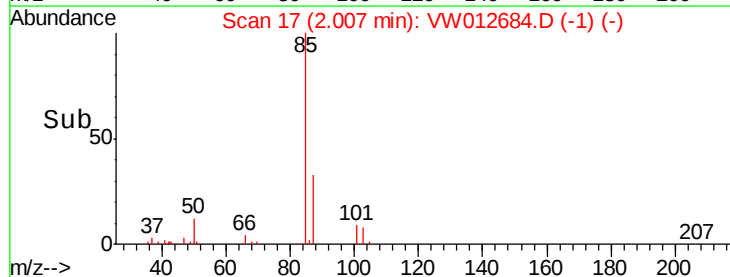
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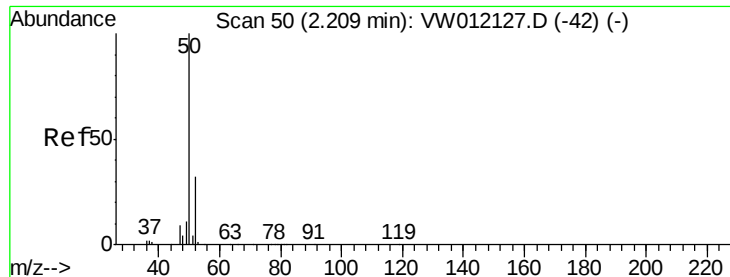
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 17.647 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

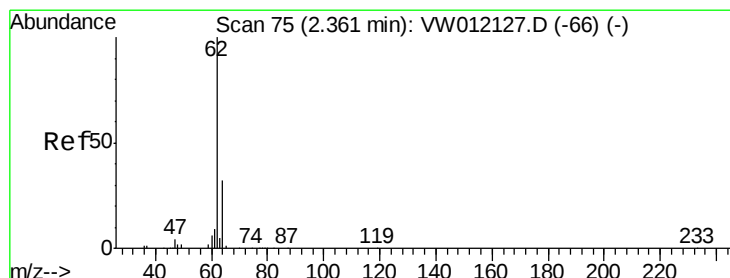
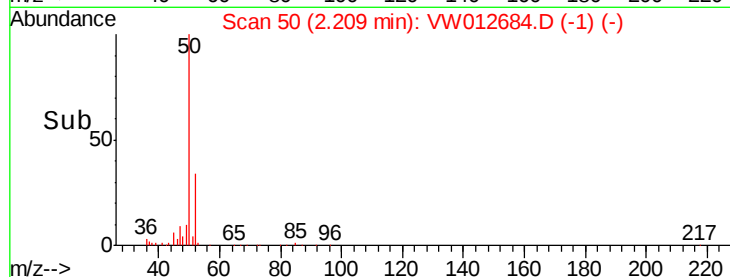
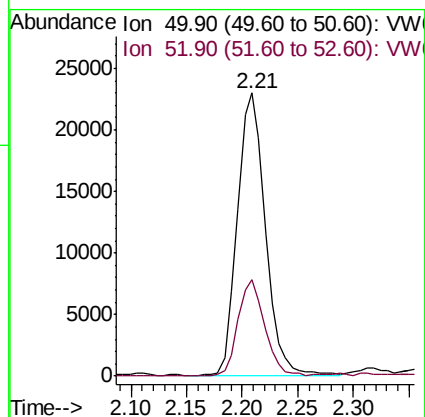
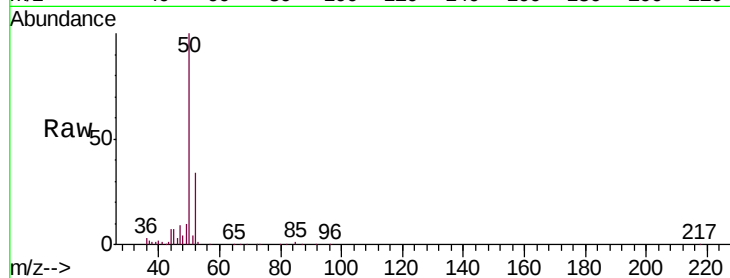
VW0906SBS01

Tgt Ion: 50 Resp: 40420

Ion Ratio Lower Upper

50 100

52 34.3 25.5 38.3



#4

Vinyl Chloride

Concen: 16.603 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012684.D

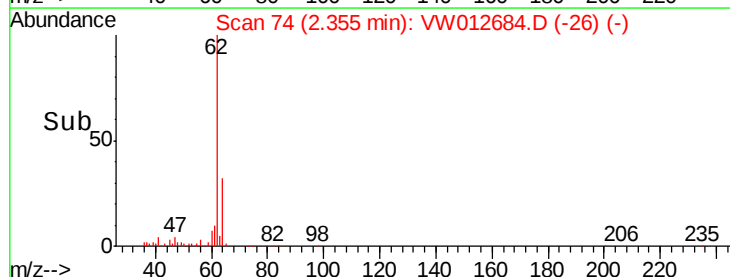
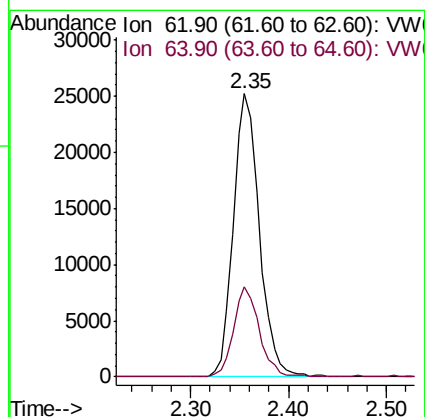
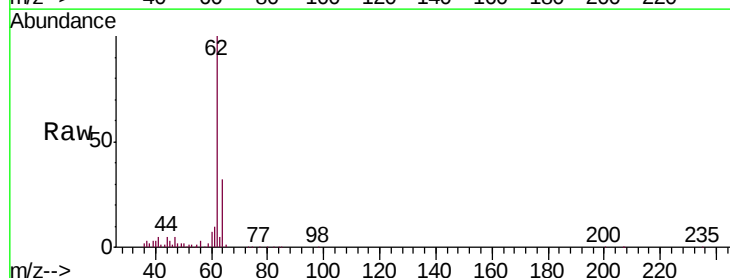
Acq: 06 Sep 2019 12:06

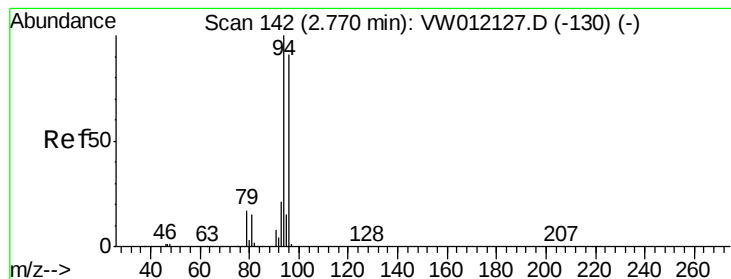
Tgt Ion: 62 Resp: 46545

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 16.288 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

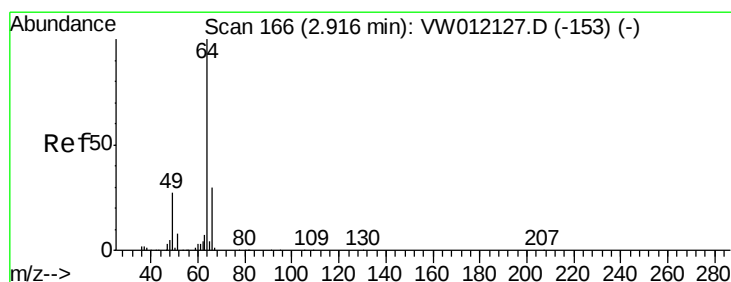
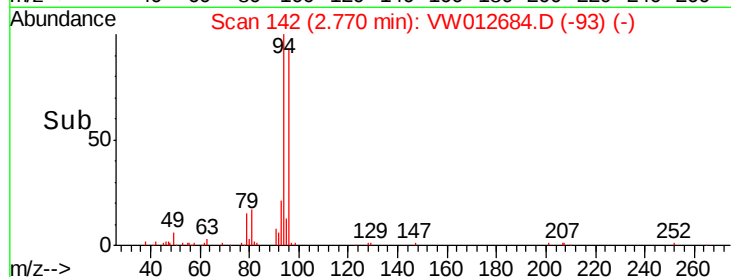
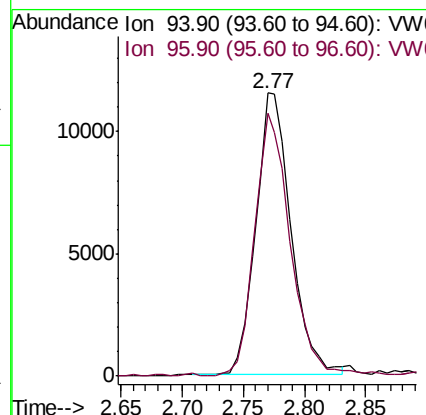
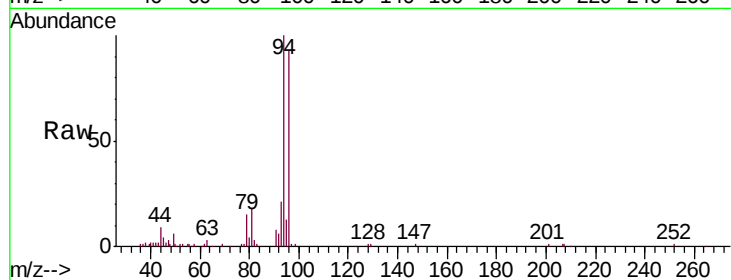
VW0906SBS01

Tgt Ion: 94 Resp: 23126

Ion Ratio Lower Upper

94 100

96 92.3 72.9 109.3



#6

Chloroethane

Concen: 15.491 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012684.D

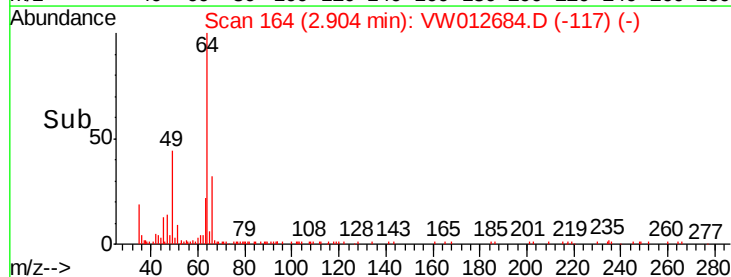
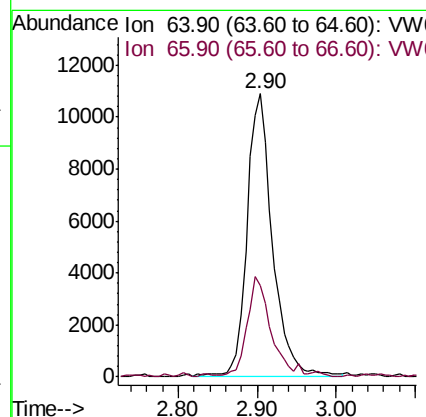
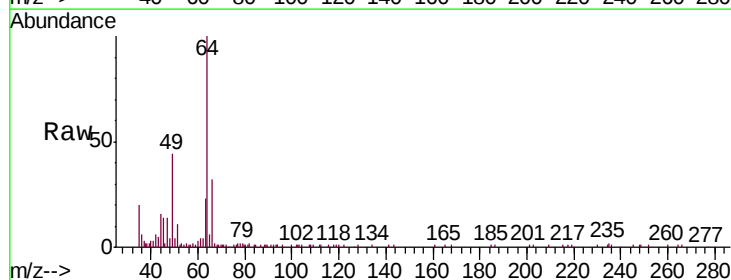
Acq: 06 Sep 2019 12:06

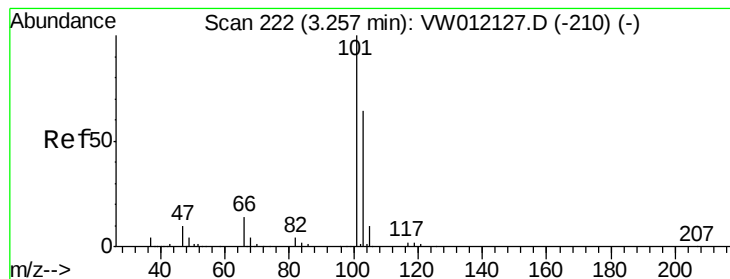
Tgt Ion: 64 Resp: 24499

Ion Ratio Lower Upper

64 100

66 32.3 23.8 35.8



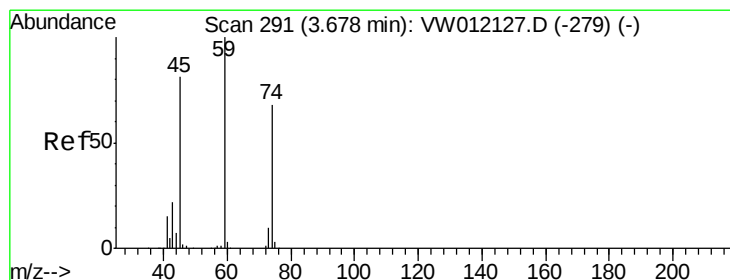
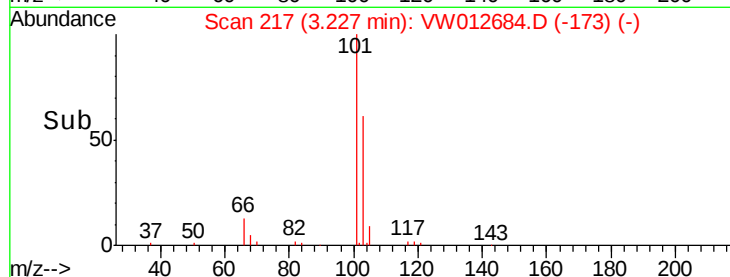
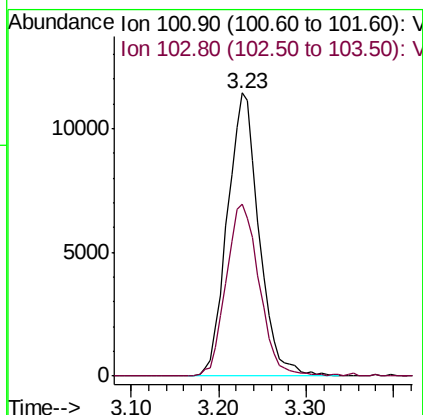
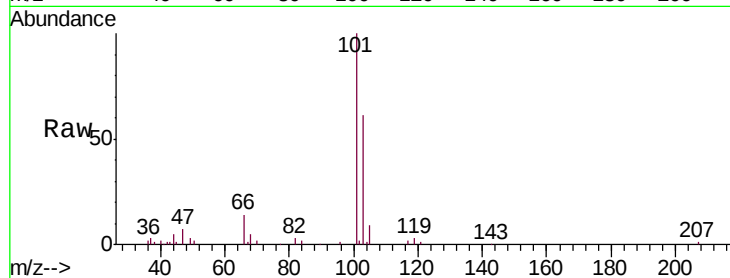


#7

Trichlorofluoromethane
 Concen: 20.469 ug/l
 RT: 3.23 min Scan# 217
 Delta R.T. -0.03 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

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 ClientSampleId :
 VW0906SBS01

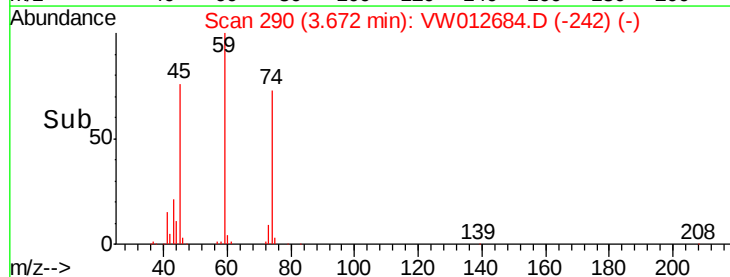
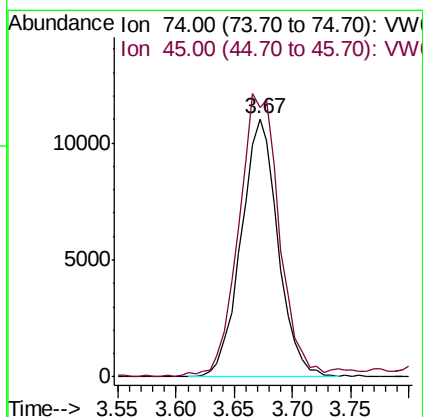
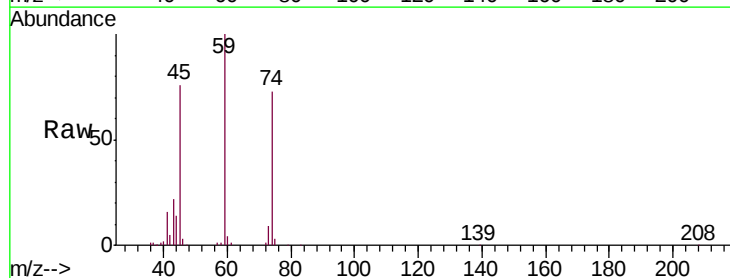
Tgt Ion:101 Resp: 28814
 Ion Ratio Lower Upper
 101 100
 103 61.0 51.2 76.8

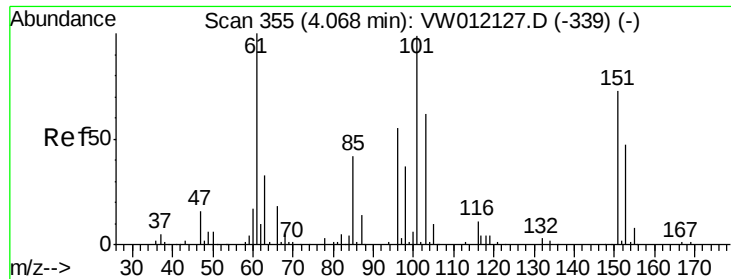


#8

Diethyl Ether
 Concen: 18.247 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 74 Resp: 24381
 Ion Ratio Lower Upper
 74 100
 45 121.5 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.943 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.02 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

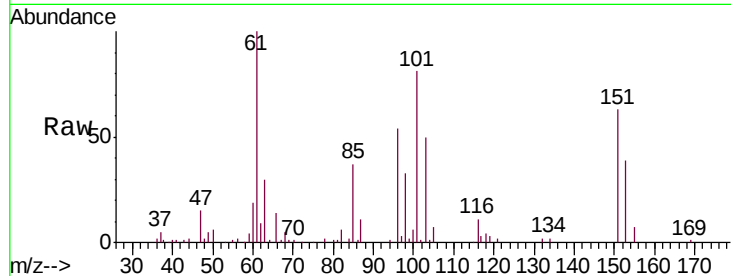
Tgt Ion:101 Resp: 47719

Ion Ratio Lower Upper

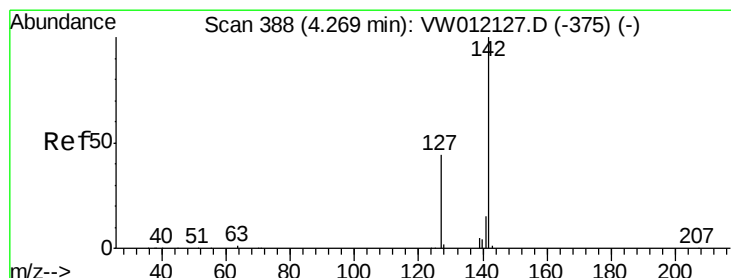
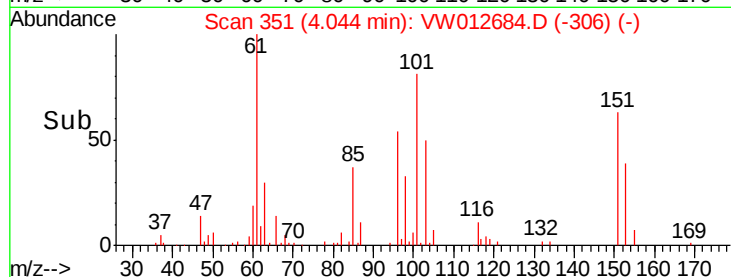
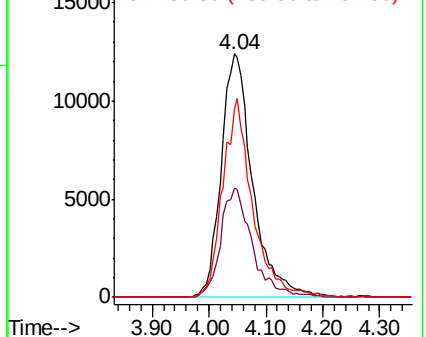
101 100

85 45.0 35.8 53.6

151 76.0 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: 17.788 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

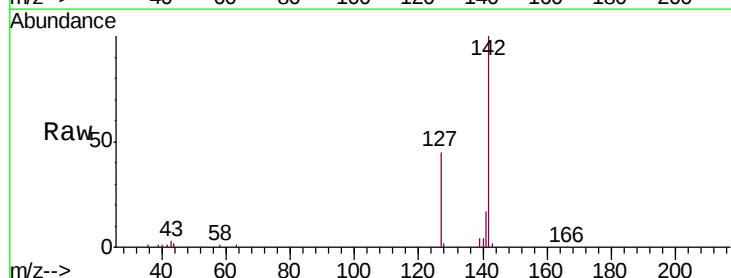
Tgt Ion:142 Resp: 57591

Ion Ratio Lower Upper

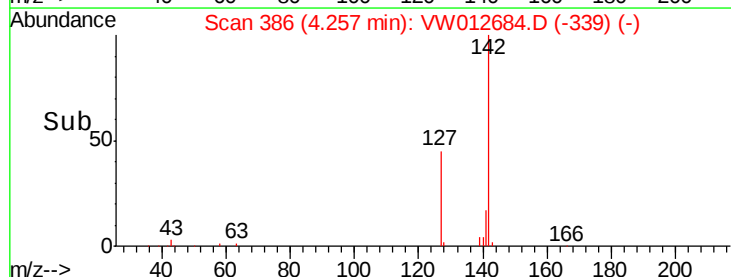
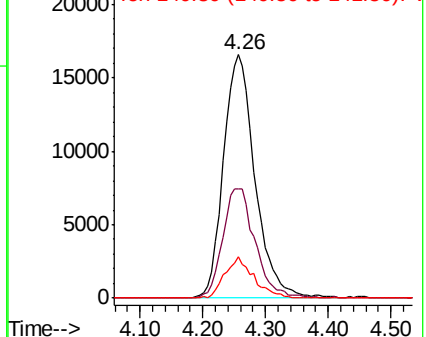
142 100

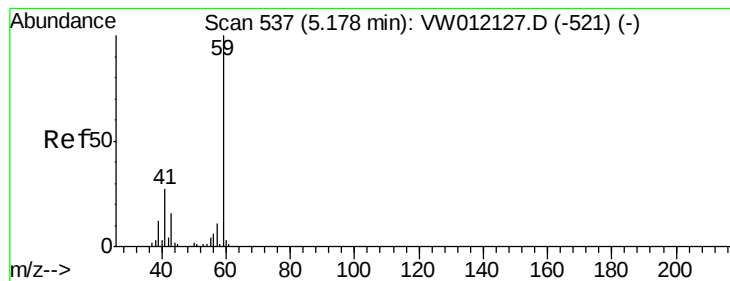
127 46.3 35.5 53.3

141 15.4 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



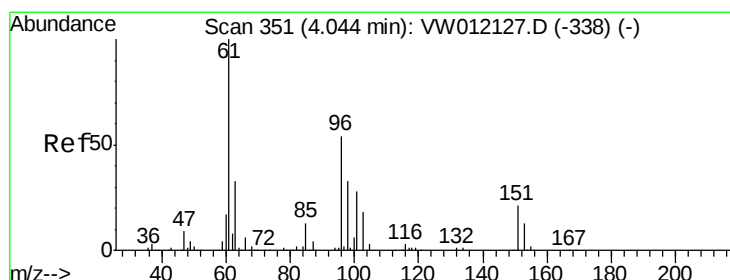
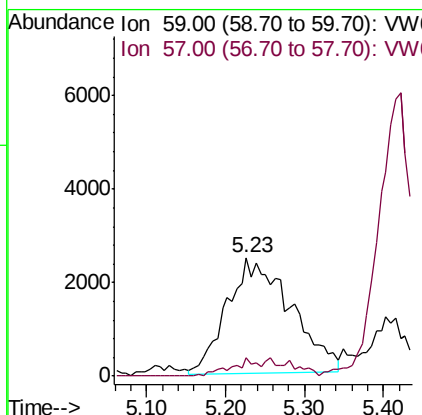
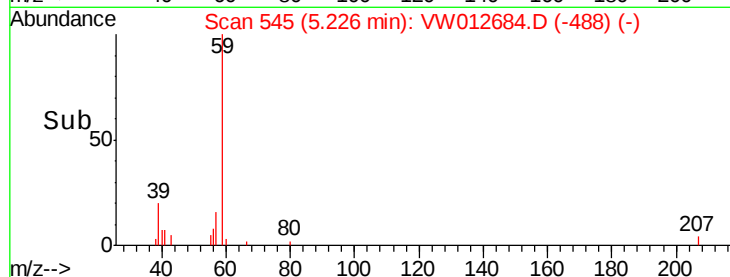
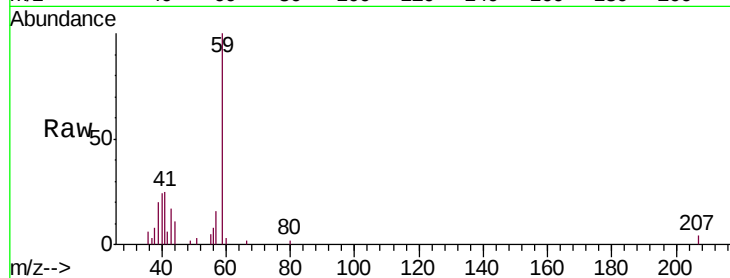


#11

Tert butyl alcohol
Concen: 80.533 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.05 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

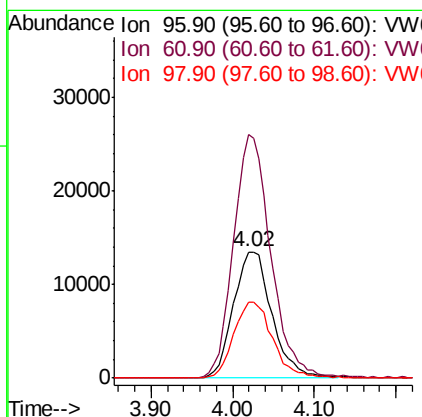
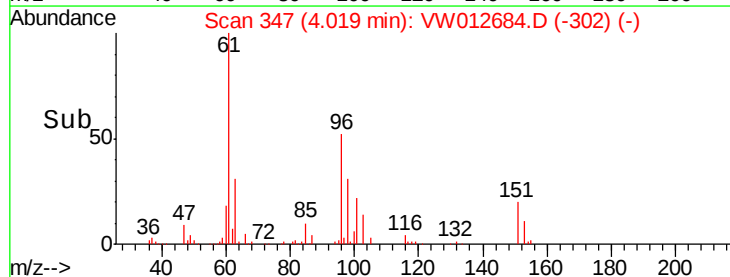
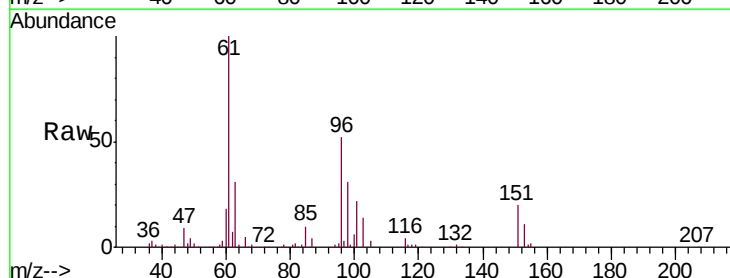
Tgt Ion: 59 Resp: 13833
Ion Ratio Lower Upper
59 100
57 6.6 9.0 13.4#

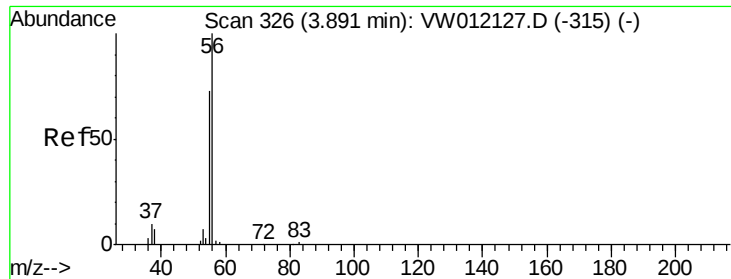


#12

1,1-Dichloroethene
Concen: 18.253 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.02 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion: 96 Resp: 43960
Ion Ratio Lower Upper
96 100
61 193.4 149.1 223.7
98 60.7 49.4 74.2





#13

Acrolein

Concen: 63.789 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

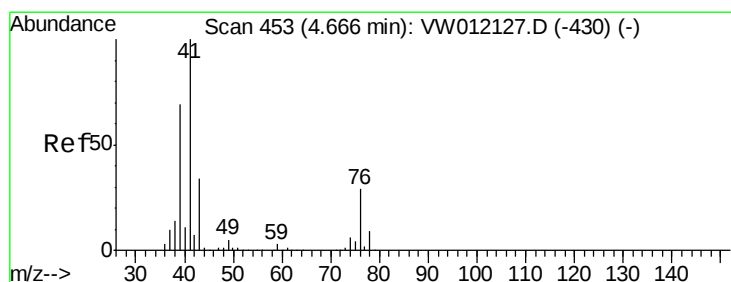
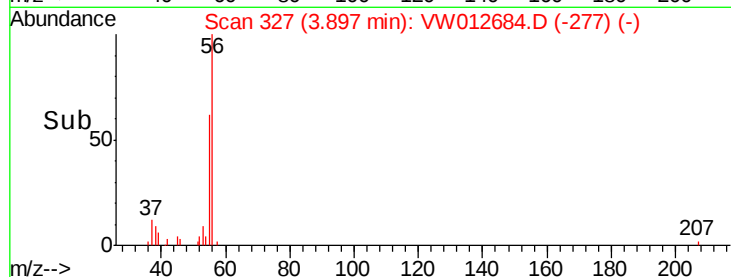
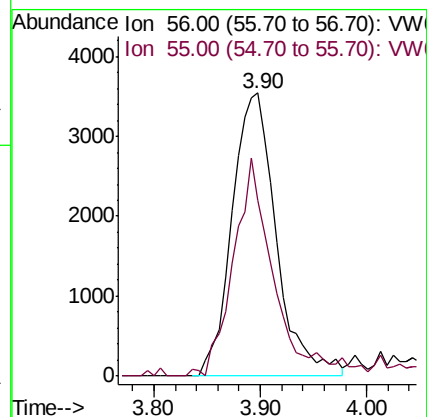
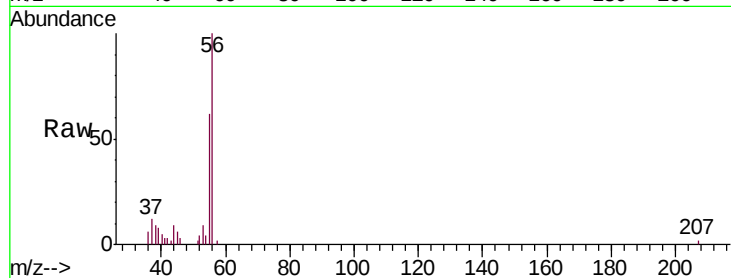
VW0906SBS01

Tgt Ion: 56 Resp: 10314

Ion Ratio Lower Upper

56 100

55 67.6 55.8 83.8



#14

Allyl chloride

Concen: 16.971 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

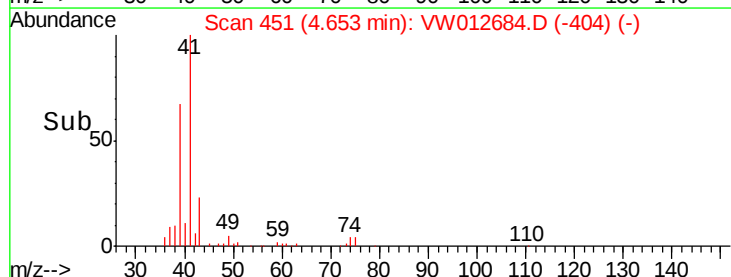
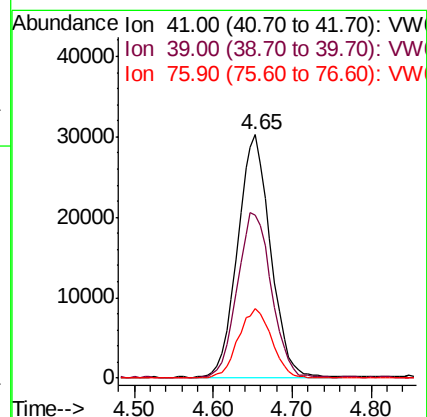
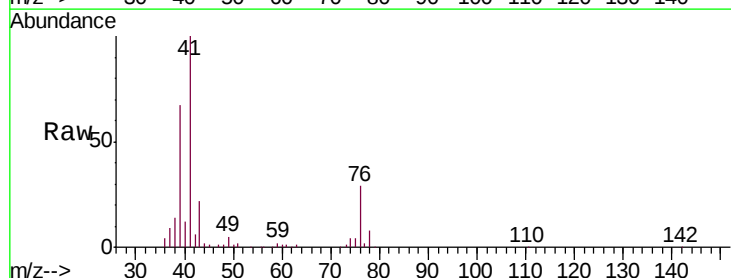
Tgt Ion: 41 Resp: 87378

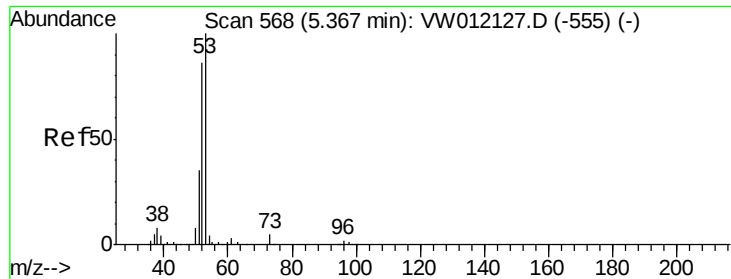
Ion Ratio Lower Upper

41 100

39 71.5 53.4 80.2

76 29.1 22.1 33.1





#15

Acrylonitrile

Concen: 91.828 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

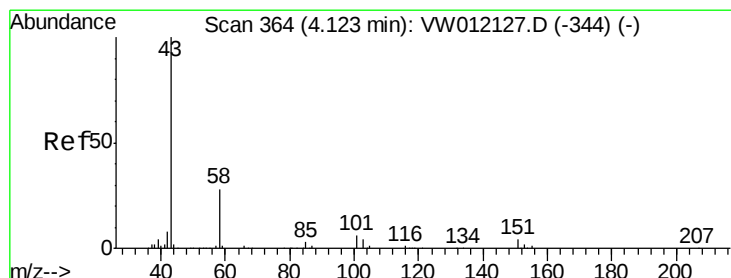
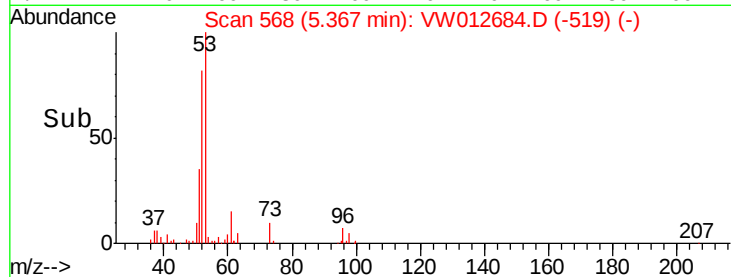
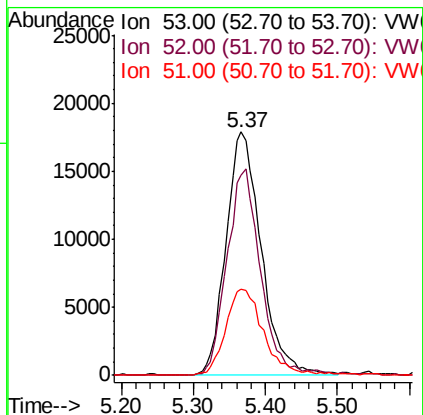
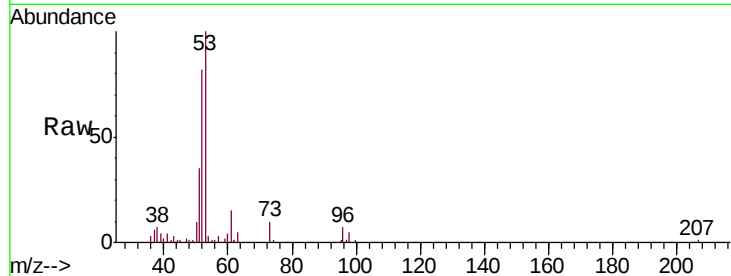
Tgt Ion: 53 Resp: 60817

Ion Ratio Lower Upper

53 100

52 80.5 66.7 100.1

51 37.8 30.1 45.1



#16

Acetone

Concen: 81.258 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012684.D

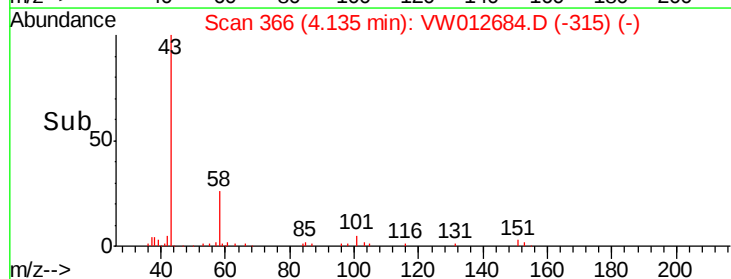
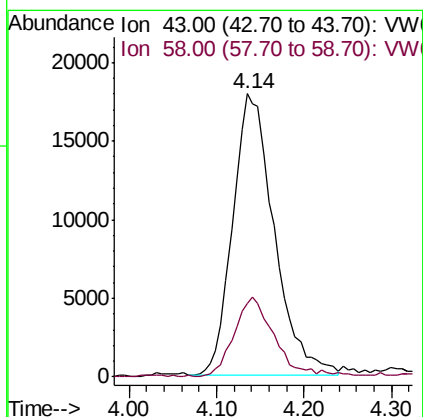
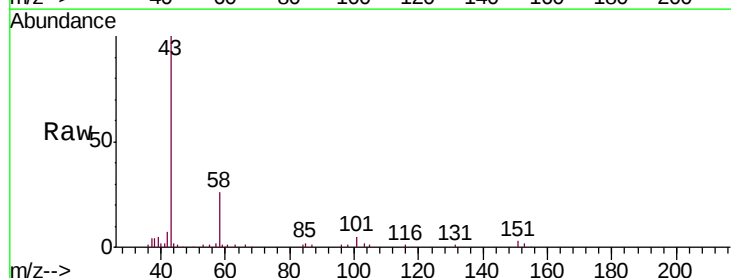
Acq: 06 Sep 2019 12:06

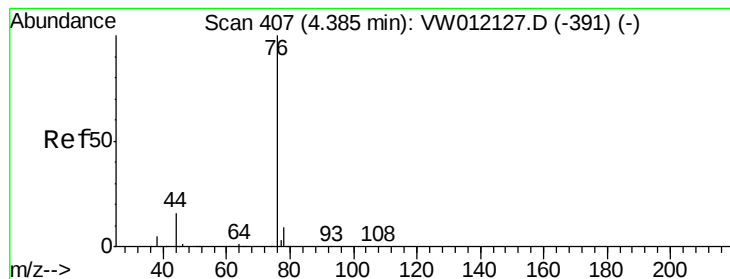
Tgt Ion: 43 Resp: 59287

Ion Ratio Lower Upper

43 100

58 25.4 22.4 33.6





#17

Carbon Disulfide

Concen: 12.431 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.02 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

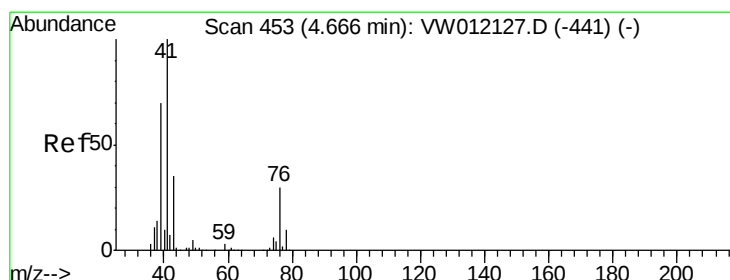
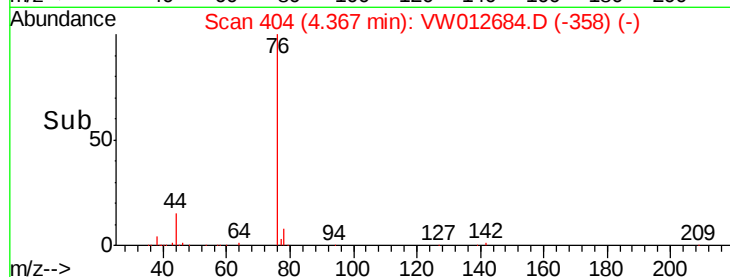
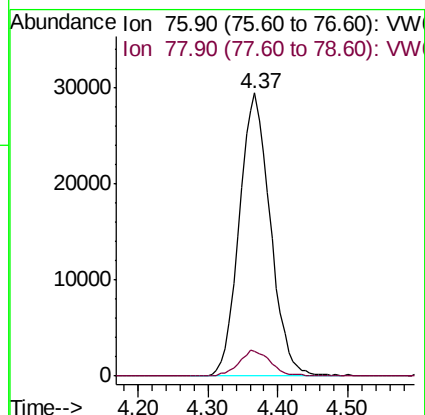
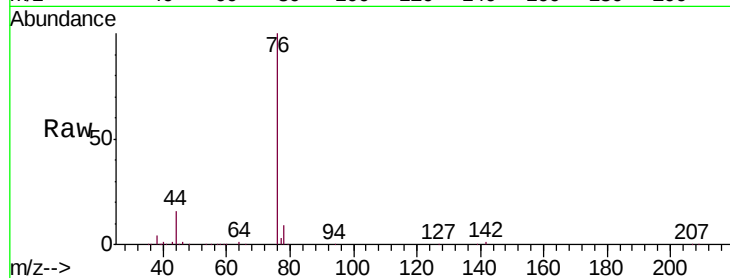
VW0906SBS01

Tgt Ion: 76 Resp: 90477

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



#18

Methyl Acetate

Concen: 17.654 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012684.D

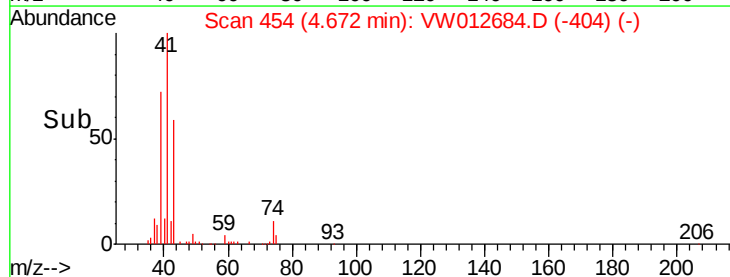
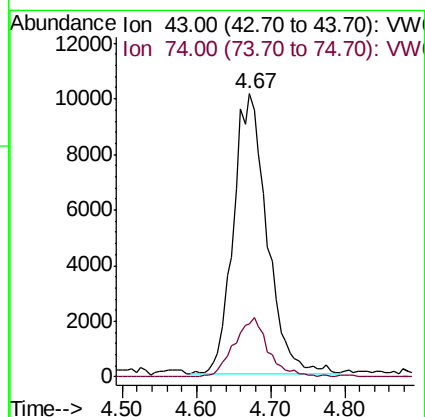
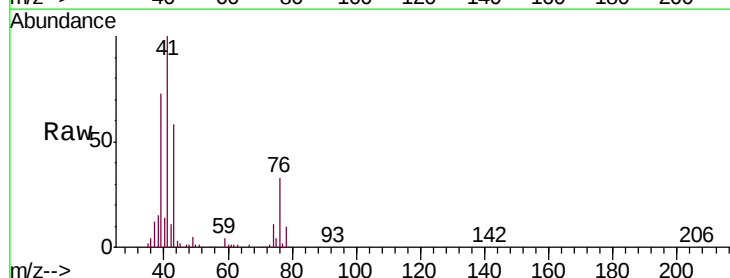
Acq: 06 Sep 2019 12:06

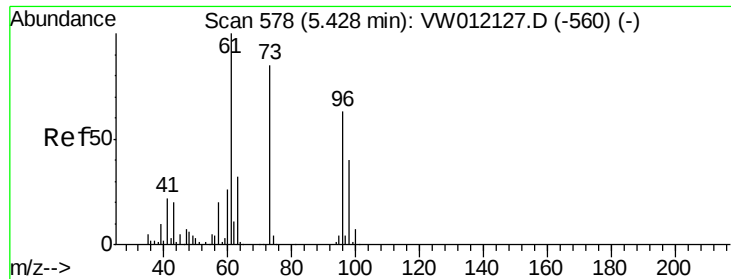
Tgt Ion: 43 Resp: 31902

Ion Ratio Lower Upper

43 100

74 21.4 15.7 23.5



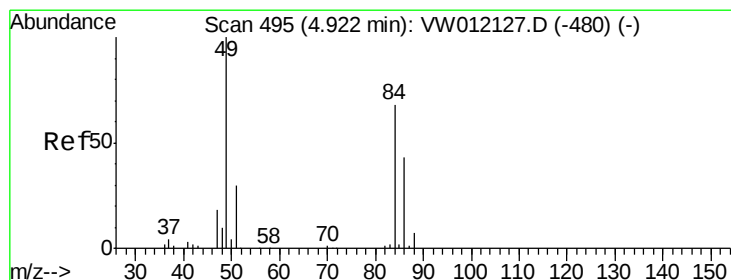
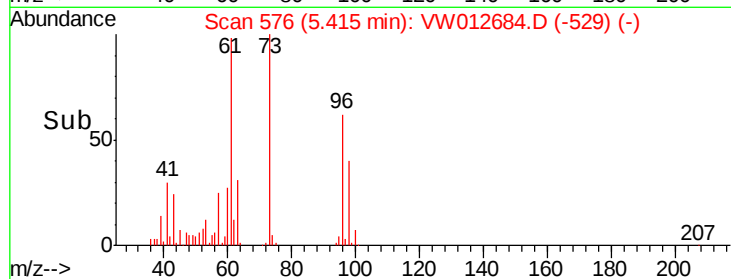
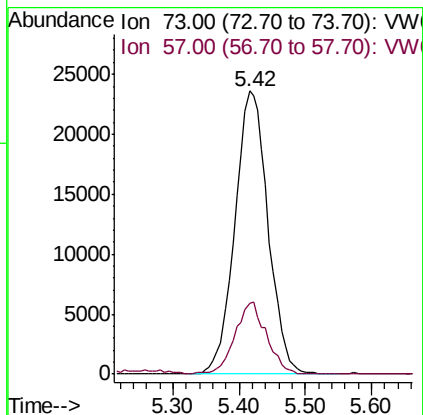
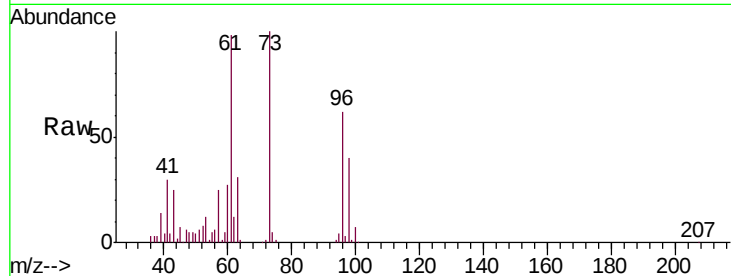


#19

Methyl tert-butyl Ether
 Concen: 21.038 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

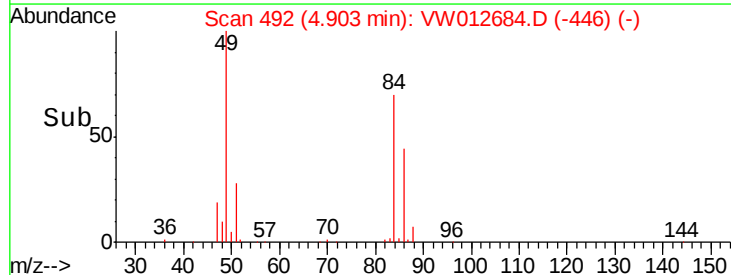
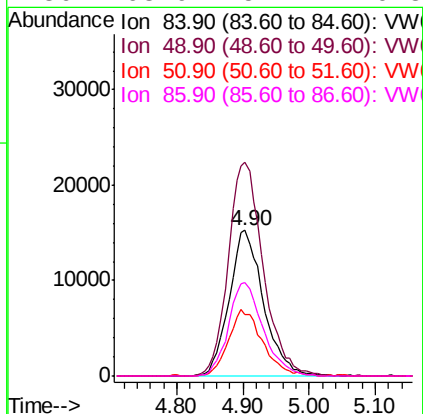
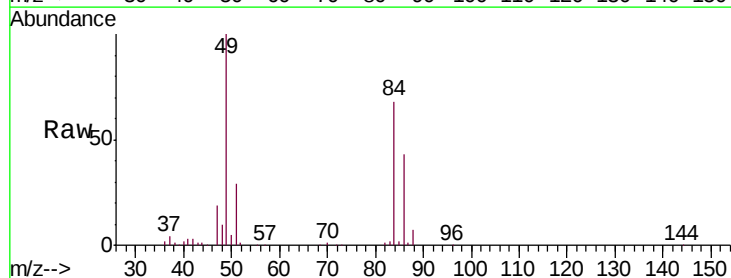
Tgt Ion: 73 Resp: 81939
 Ion Ratio Lower Upper
 73 100
 57 25.1 18.9 28.3

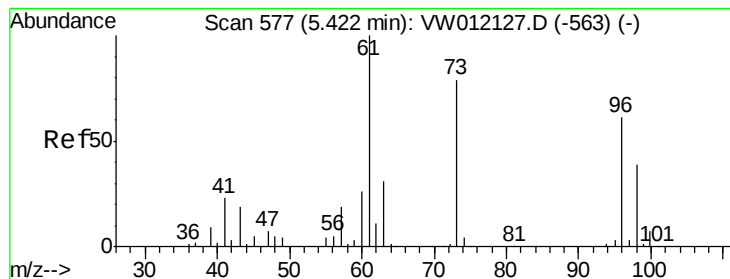


#20

Methylene Chloride
 Concen: 19.940 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 84 Resp: 55000
 Ion Ratio Lower Upper
 84 100
 49 147.0 117.8 176.8
 51 42.7 35.6 53.4
 86 63.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.077 ug/l

RT: 5.40 min Scan# 574

Delta R.T. -0.02 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

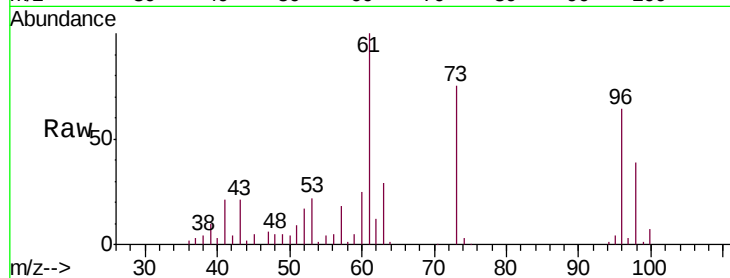
Tgt Ion: 96 Resp: 46687

Ion Ratio Lower Upper

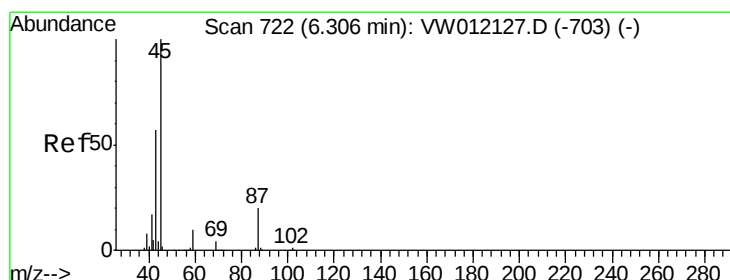
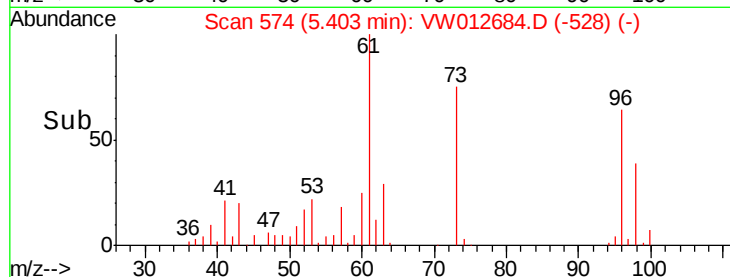
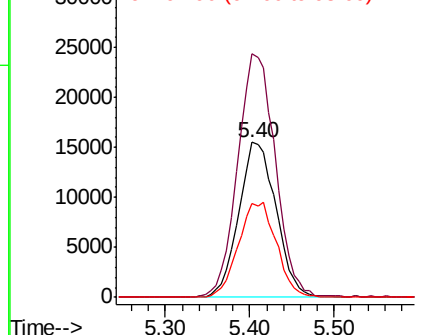
96 100

61 156.9 131.4 197.0

98 60.5 51.4 77.0



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



#22

Diisopropyl ether

Concen: 18.157 ug/l

RT: 6.30 min Scan# 721

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Tgt Ion: 45 Resp: 173288

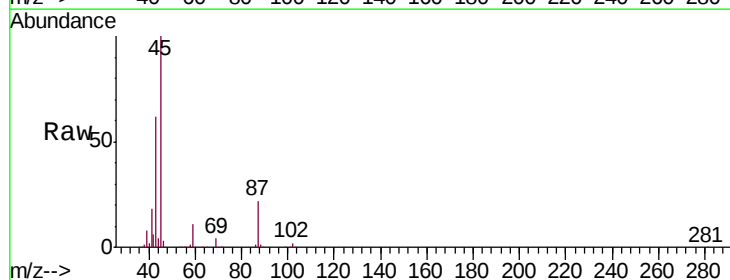
Ion Ratio Lower Upper

45 100

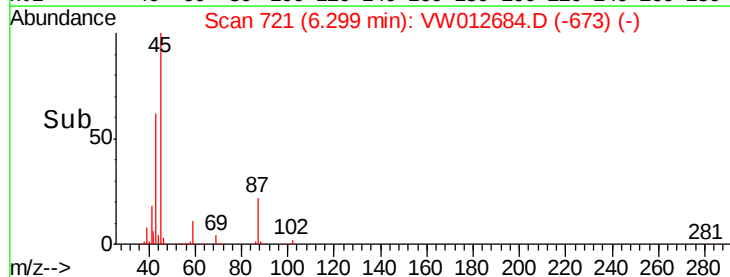
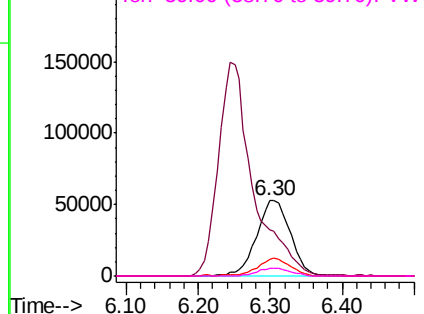
43 60.6 45.5 68.3

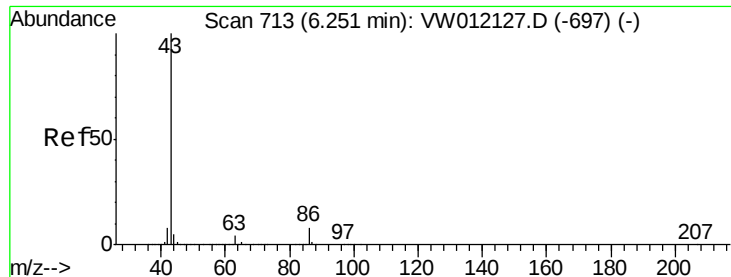
87 21.5 16.1 24.1

59 10.4 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

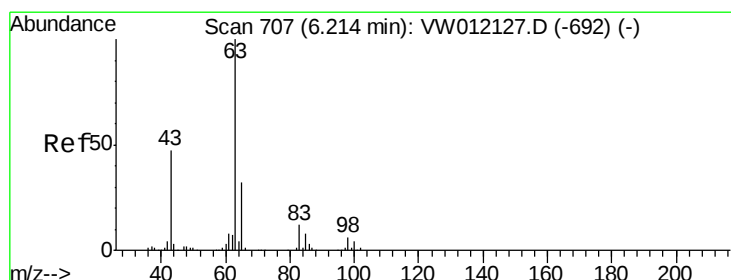
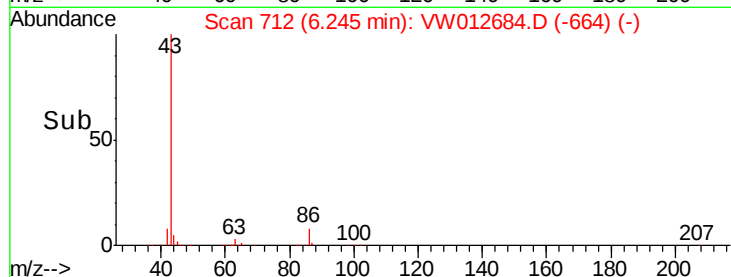
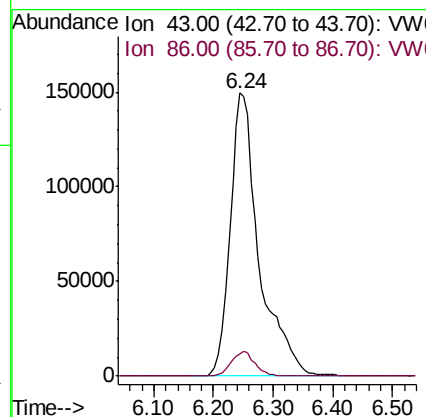
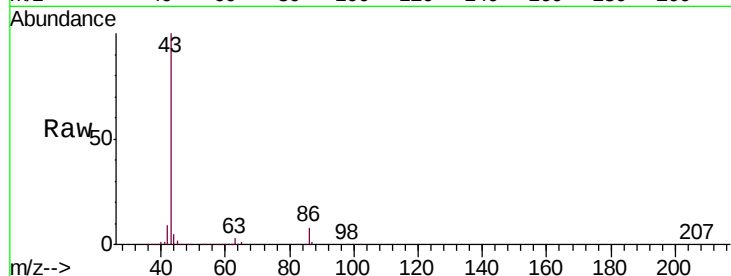




#23
 Vinyl Acetate
 Concen: 85.681 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

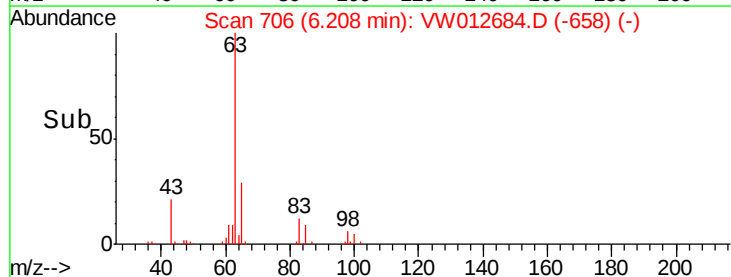
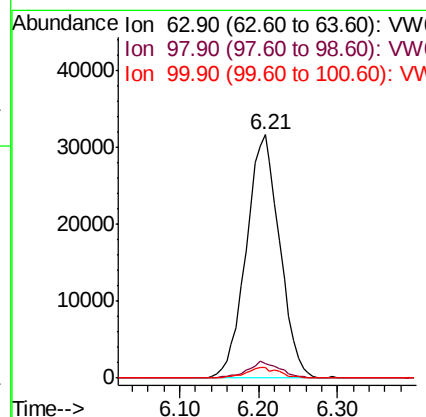
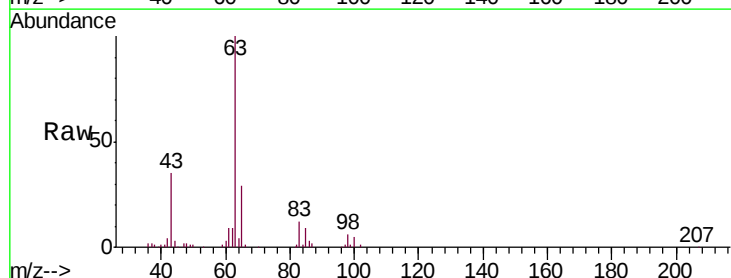
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

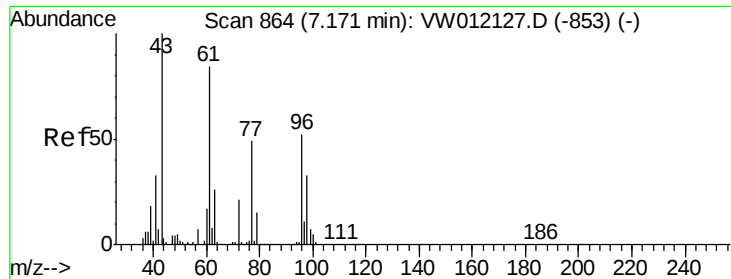
Tgt Ion: 43 Resp: 503236
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 17.966 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 63 Resp: 93360
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 4.5 2.0 6.0





#25

2-Butanone

Concen: 81.614 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

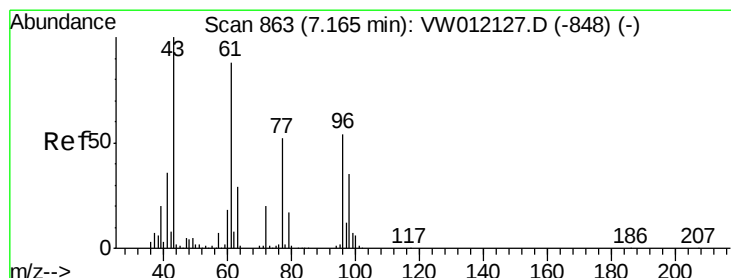
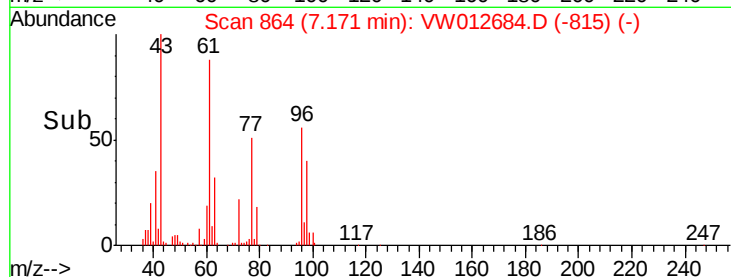
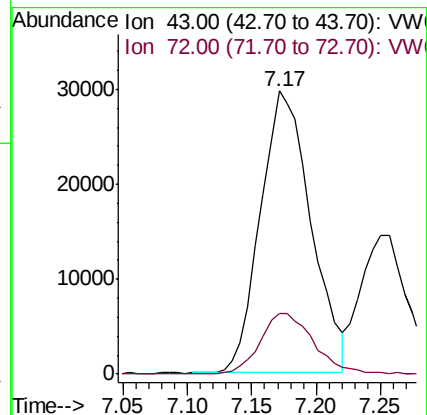
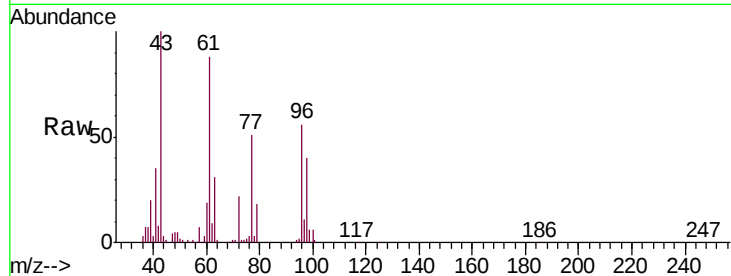
VW0906SBS01

Tgt Ion: 43 Resp: 80917

Ion Ratio Lower Upper

43 100

72 21.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.394 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012684.D

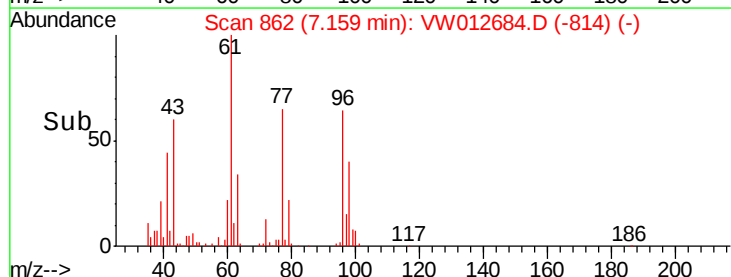
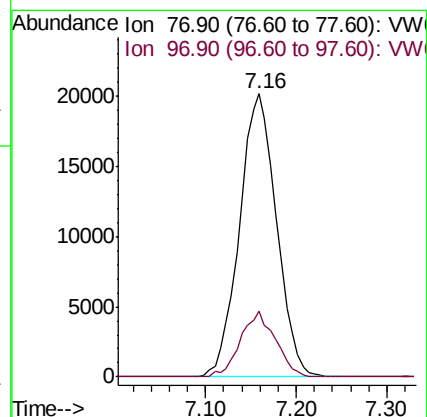
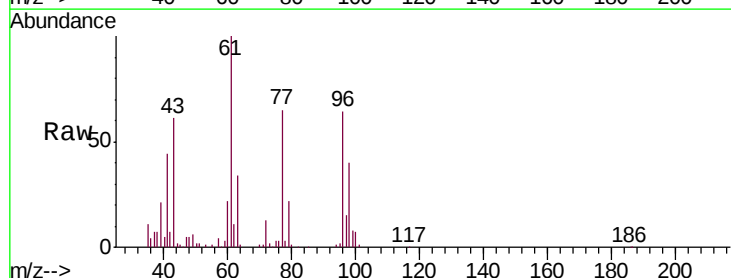
Acq: 06 Sep 2019 12:06

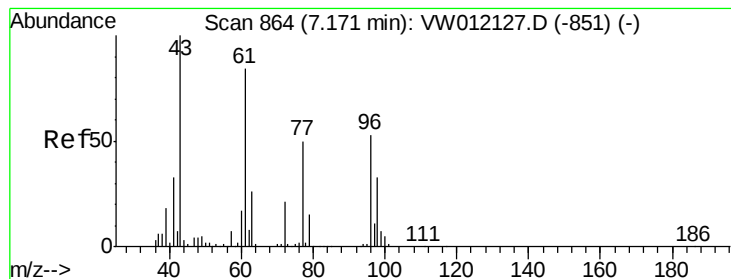
Tgt Ion: 77 Resp: 57041

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1



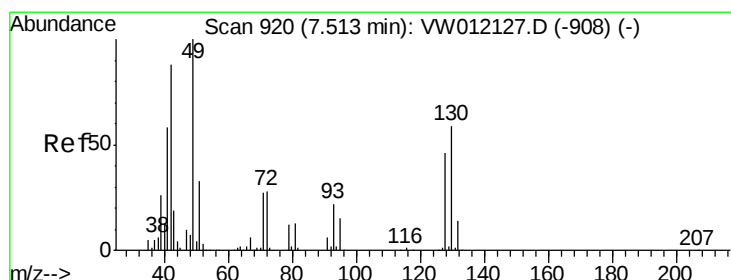
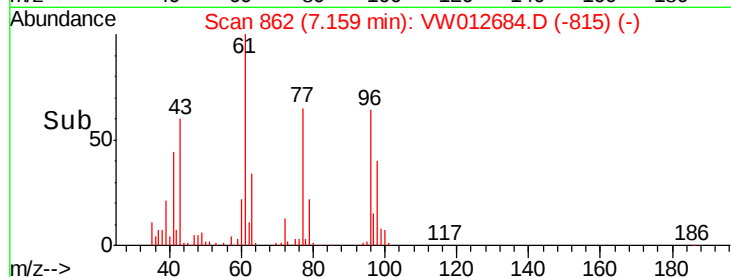
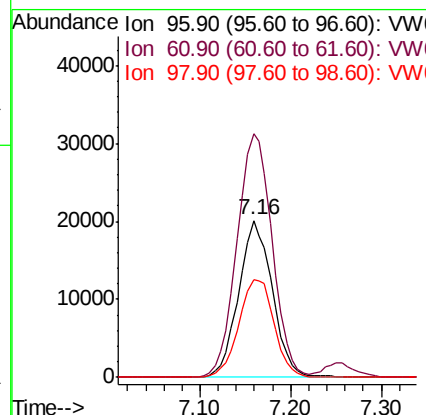
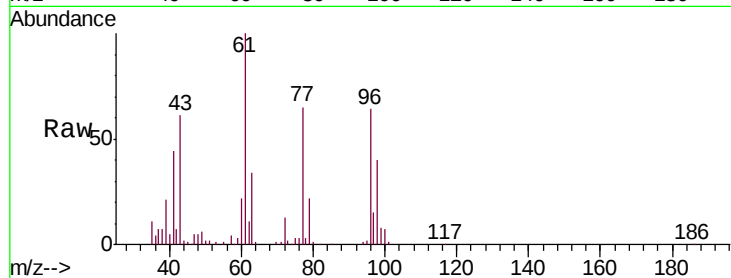


#27

cis-1,2-Dichloroethene
Concen: 18.723 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

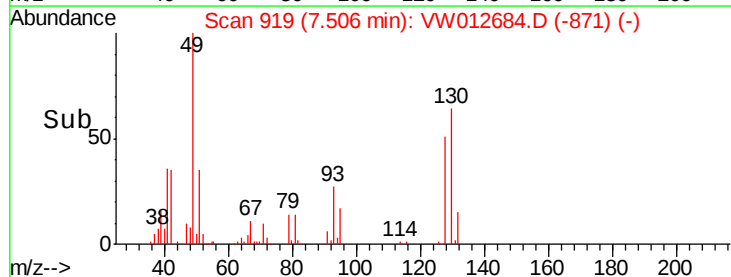
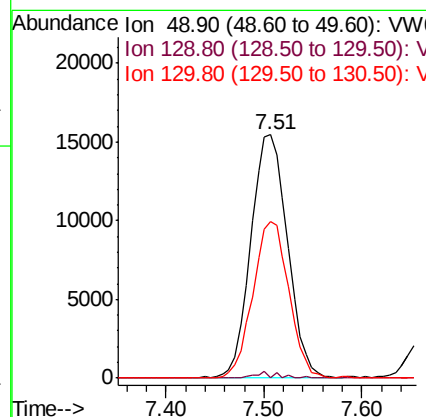
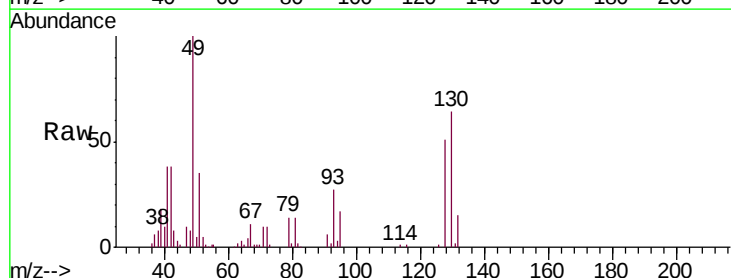
Tgt Ion: 96 Resp: 51662
Ion Ratio Lower Upper
96 100
61 162.5 0.0 326.6
98 65.2 0.0 127.4

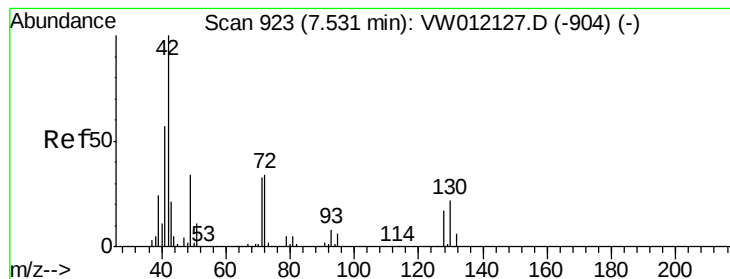


#28

Bromochloromethane
Concen: 17.793 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion: 49 Resp: 40298
Ion Ratio Lower Upper
49 100
129 0.8 0.0 1.4
130 62.8 45.5 68.3





#29

Tetrahydrofuran

Concen: 84.790 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

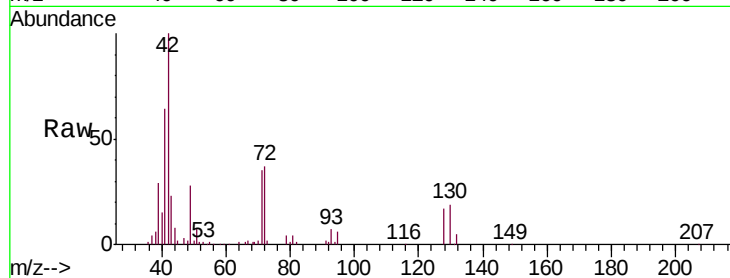
Tgt Ion: 42 Resp: 50436

Ion Ratio Lower Upper

42 100

72 36.1 27.3 40.9

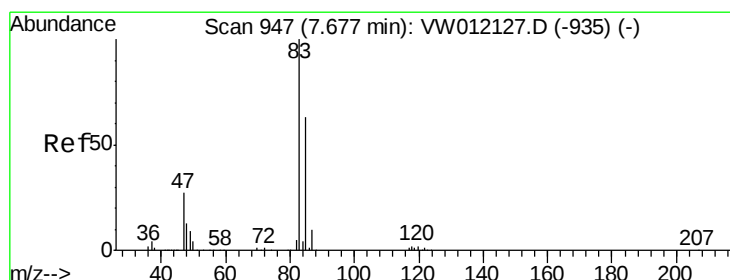
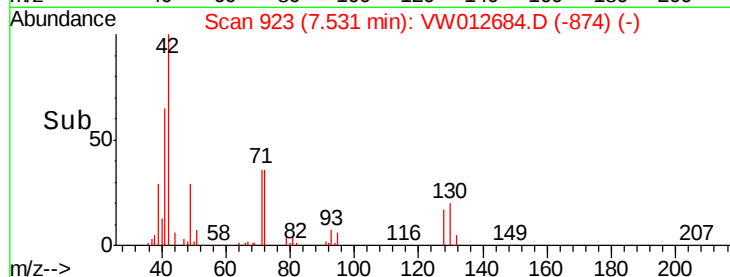
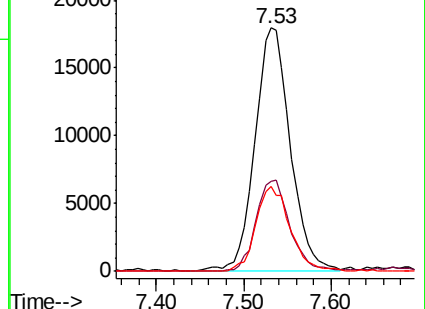
71 33.7 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 19.063 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012684.D

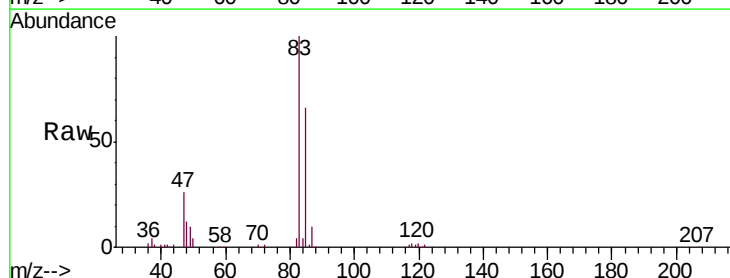
Acq: 06 Sep 2019 12:06

Tgt Ion: 83 Resp: 90630

Ion Ratio Lower Upper

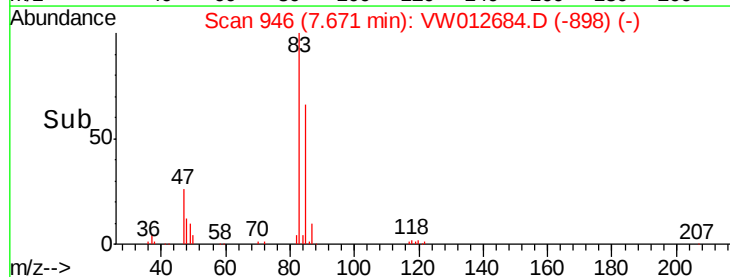
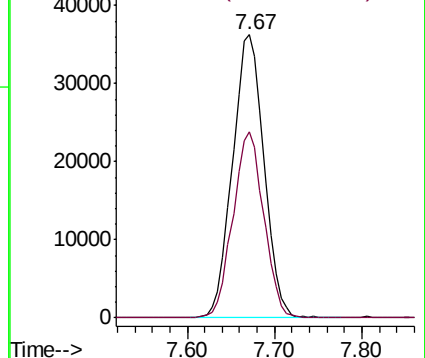
83 100

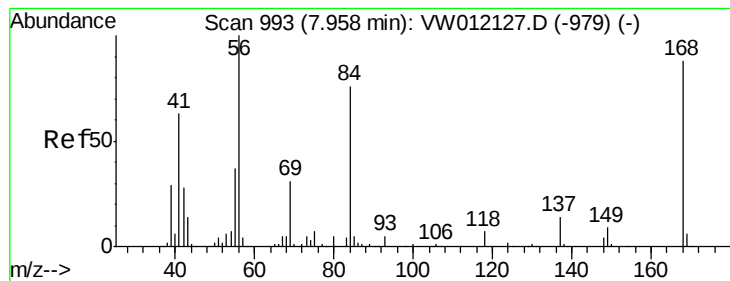
85 65.9 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 17.234 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

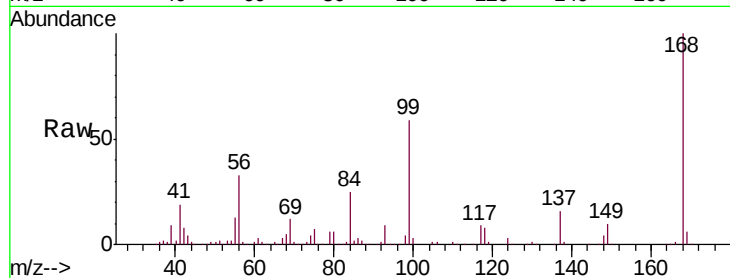
Tgt Ion: 56 Resp: 88600

Ion Ratio Lower Upper

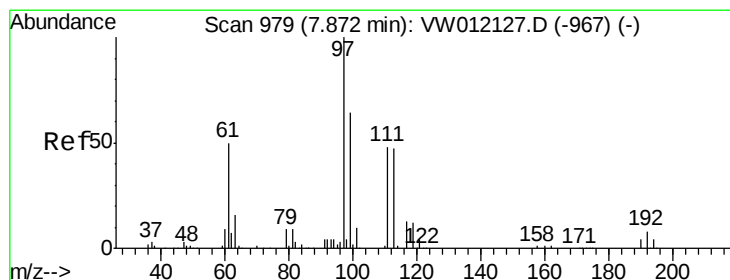
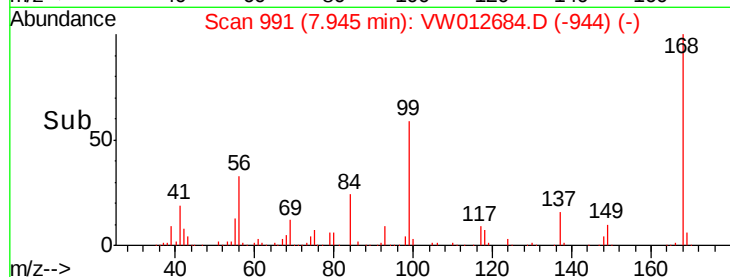
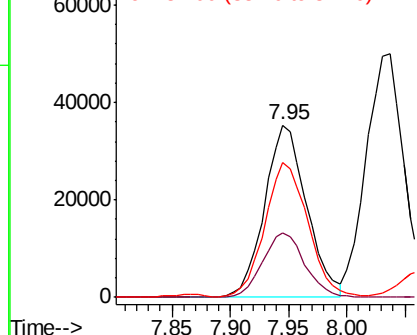
56 100

69 37.8 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: 20.017 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

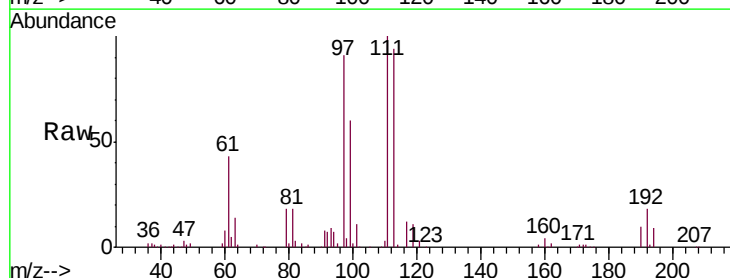
Tgt Ion: 97 Resp: 75283

Ion Ratio Lower Upper

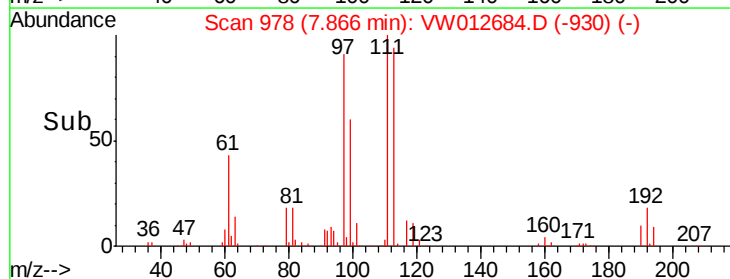
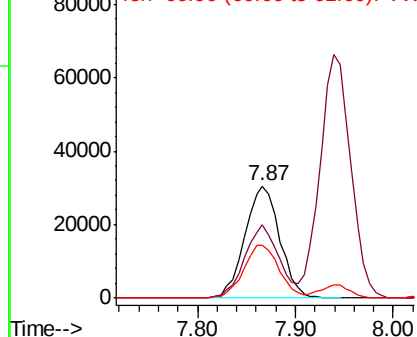
97 100

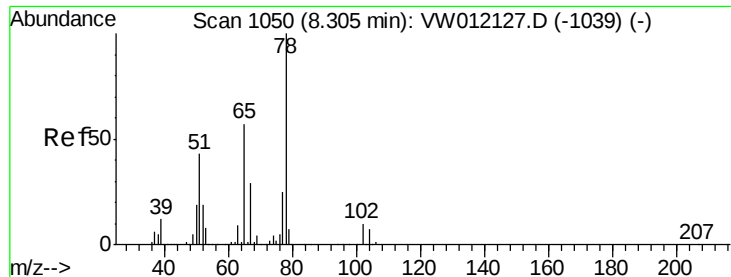
99 64.9 51.4 77.0

61 48.1 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

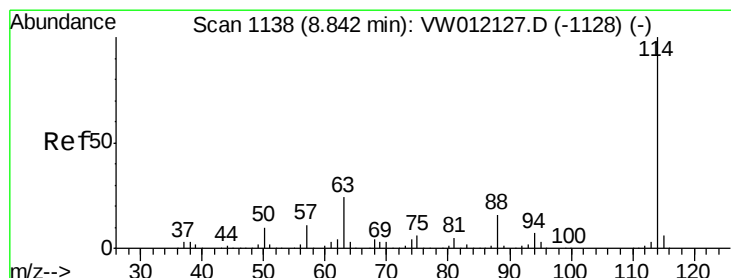
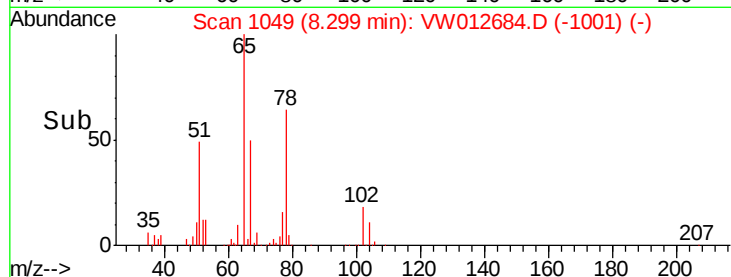
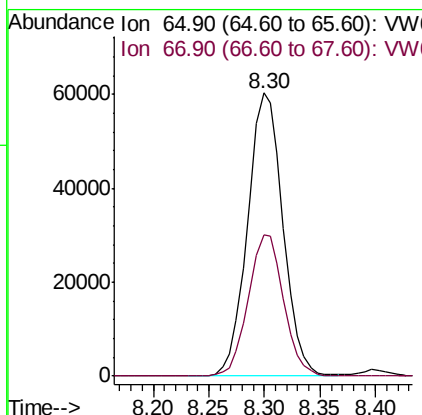
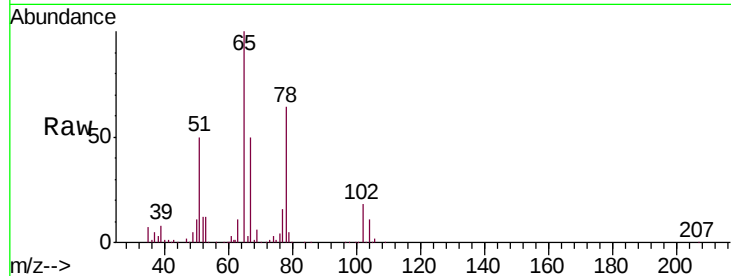




#33
 1,2-Dichloroethane-d4
 Concen: 46.734 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

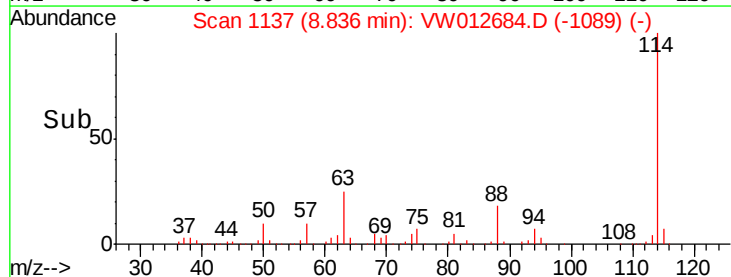
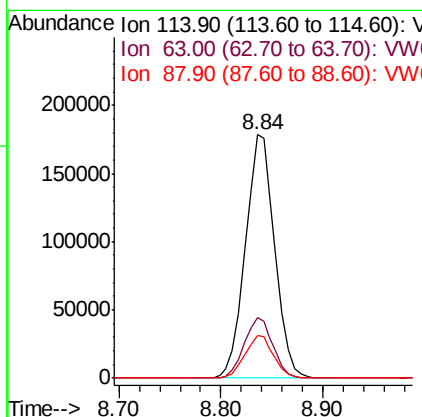
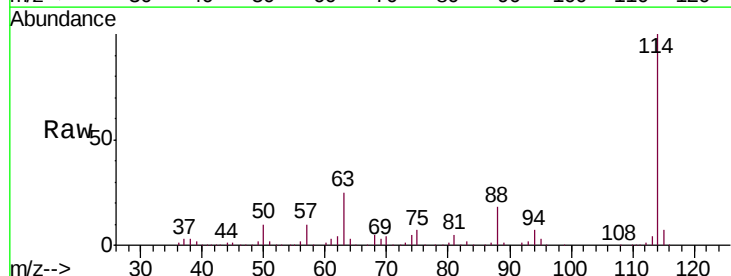
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

Tgt Ion: 65 Resp: 133393
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 114 Resp: 355529
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 17.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.748 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

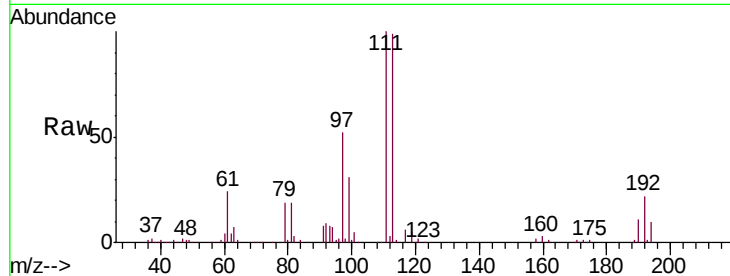
Tgt Ion:113 Resp: 105574

Ion Ratio Lower Upper

113 100

111 101.3 82.7 124.1

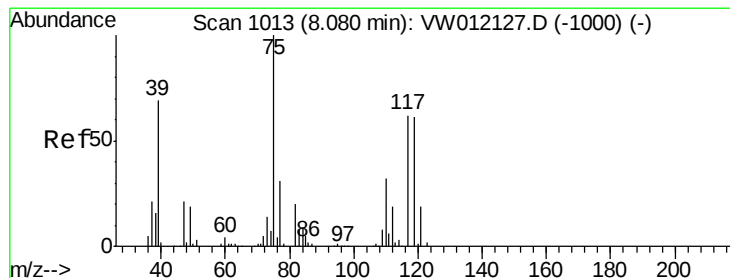
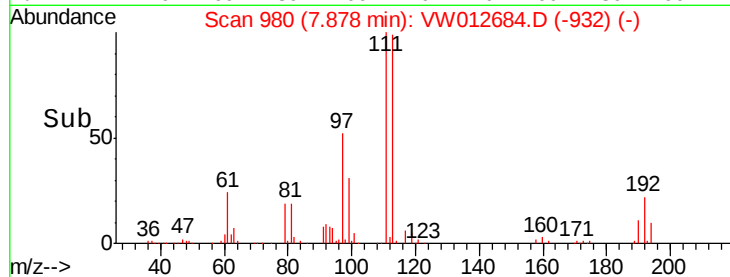
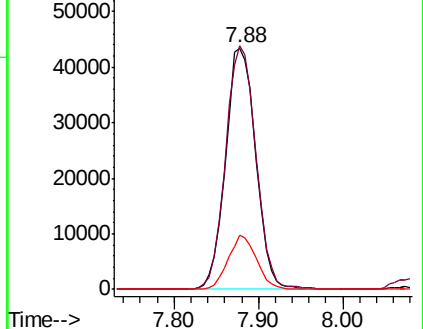
192 20.9 16.2 24.2



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: 19.678 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

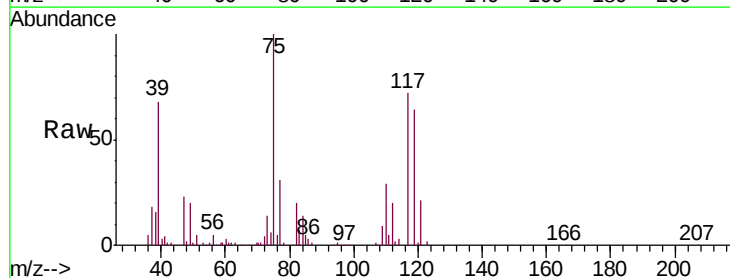
Tgt Ion: 75 Resp: 72298

Ion Ratio Lower Upper

75 100

110 31.1 15.6 46.8

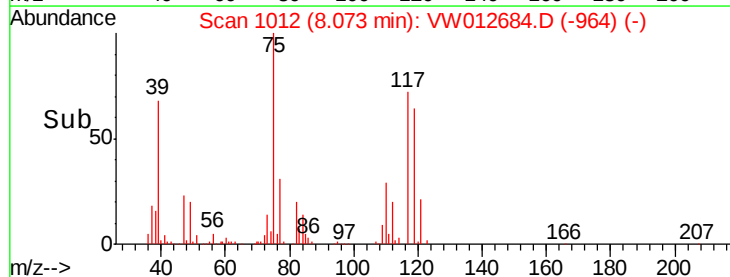
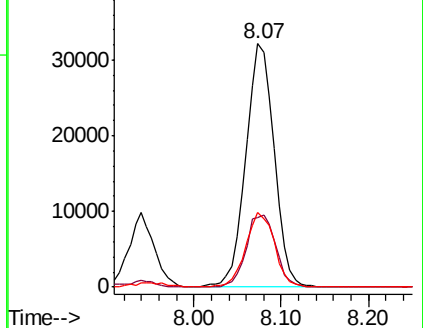
77 31.0 24.6 36.8



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

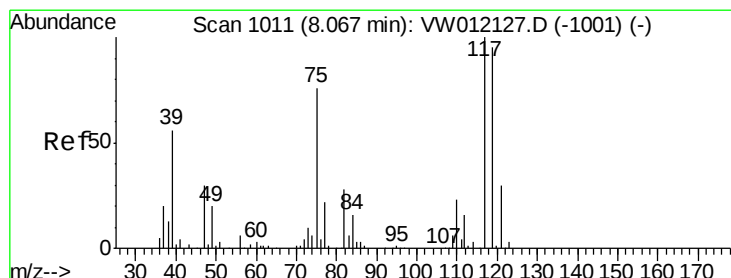
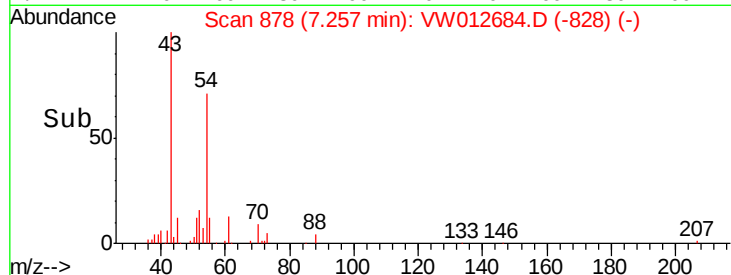
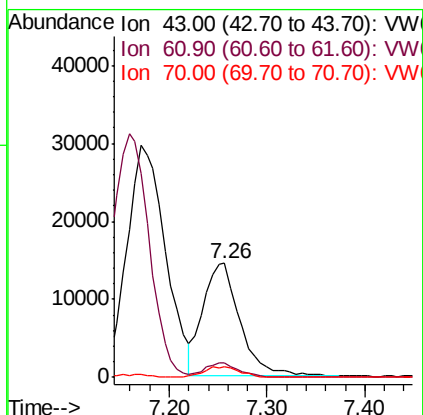
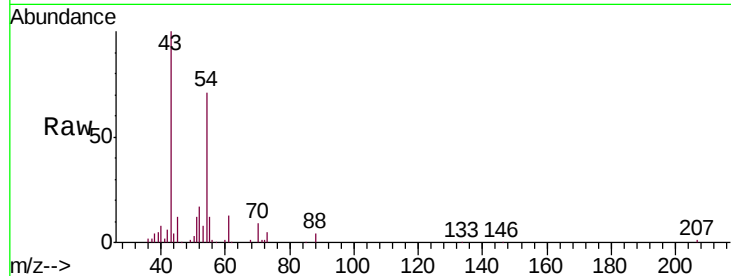




#37
Ethyl Acetate
Concen: 18.837 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

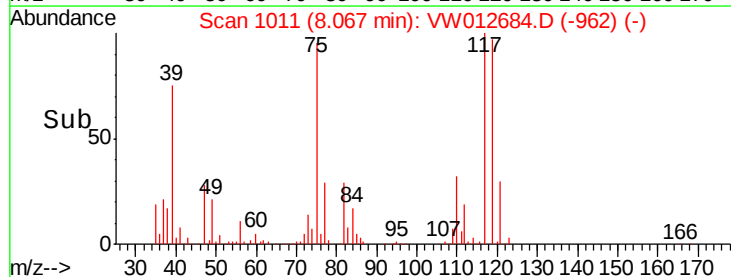
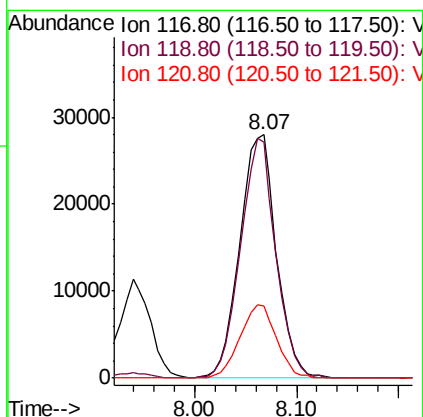
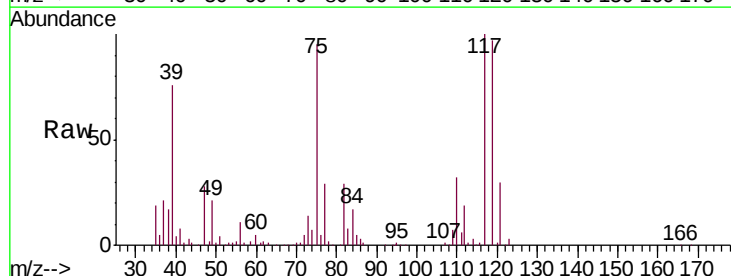
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

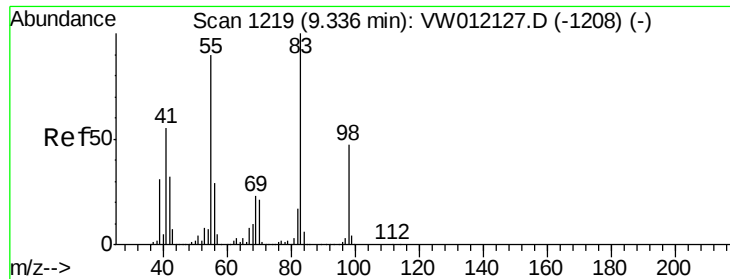
Tgt Ion: 43 Resp: 37924
Ion Ratio Lower Upper
43 100
61 11.9 9.2 13.8
70 9.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 21.988 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion: 117 Resp: 69921
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.2
121 29.8 23.8 35.8

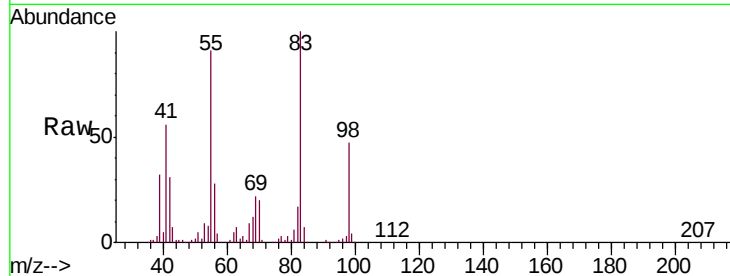




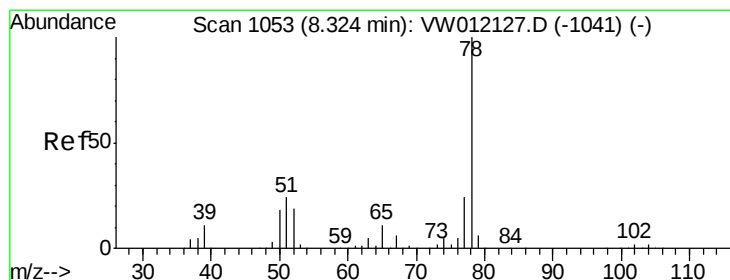
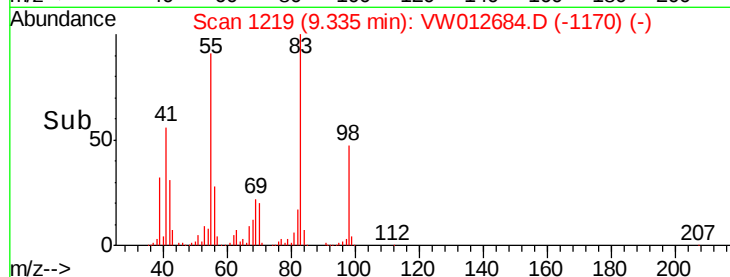
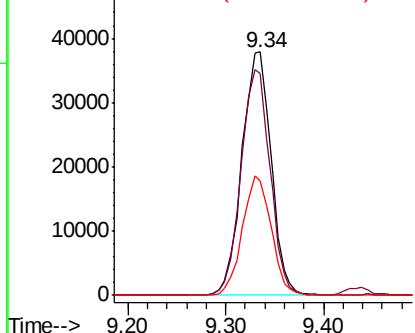
#39
Methylcyclohexane
Concen: 19.113 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

Tgt Ion: 83 Resp: 78888
Ion Ratio Lower Upper
83 100
55 90.7 71.8 107.8
98 46.7 37.8 56.8

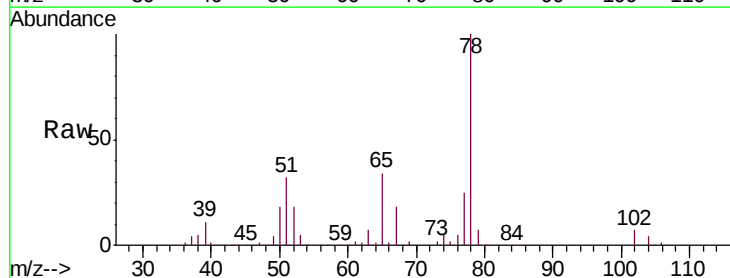


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

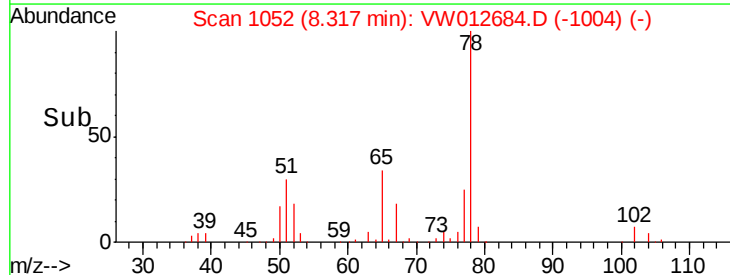
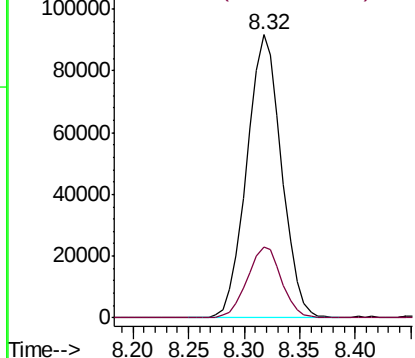


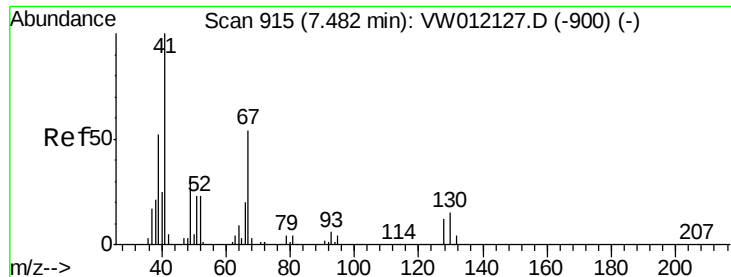
#40
Benzene
Concen: 19.823 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion: 78 Resp: 198870
Ion Ratio Lower Upper
78 100
77 24.9 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

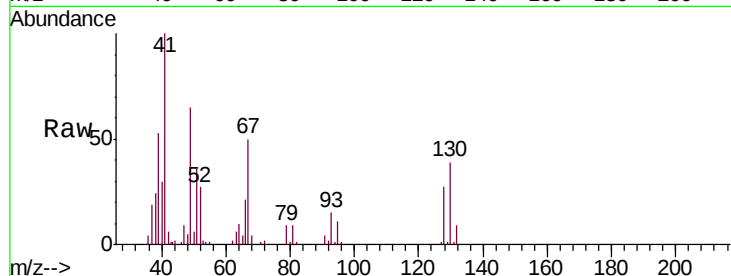




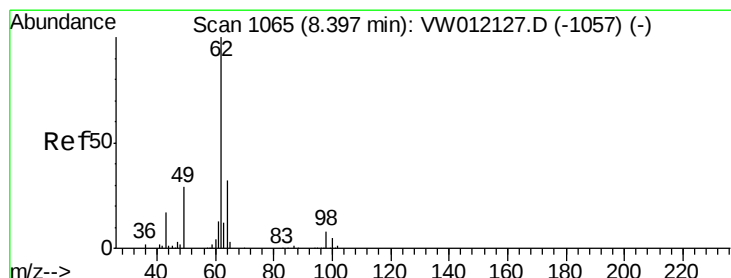
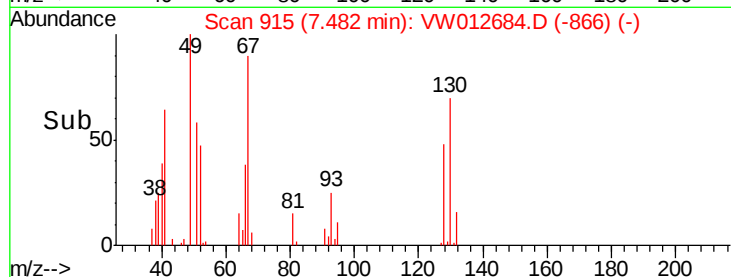
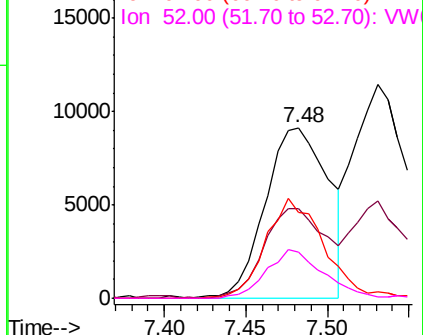
#41
Methacrylonitrile
Concen: 20.731 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

Tgt Ion:	41	Resp:	24531
Ion	Ratio	Lower	Upper
41	100		
39	52.3	45.8	68.8
67	54.1	46.2	69.4
52	25.4	21.0	31.6

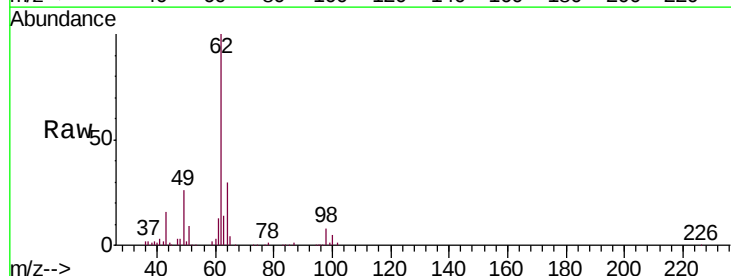


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

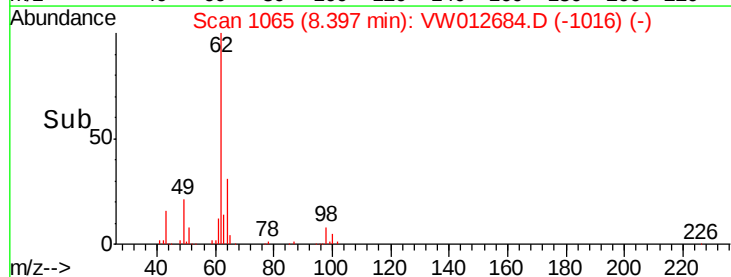
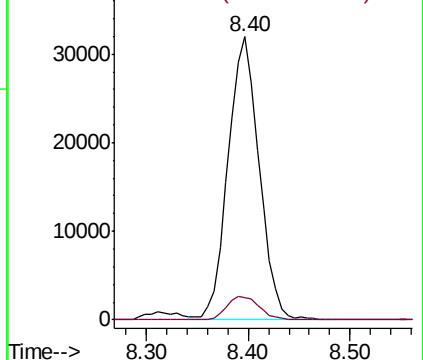


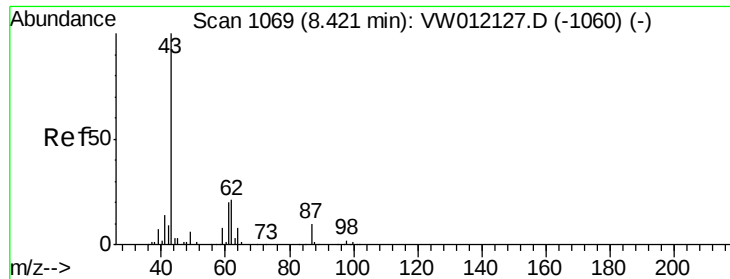
#42
1,2-Dichloroethane
Concen: 21.467 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion:	62	Resp:	67494
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6



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

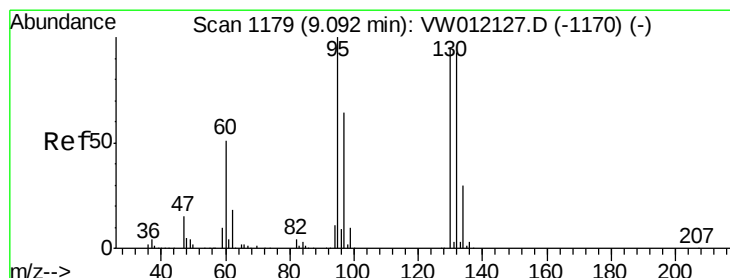
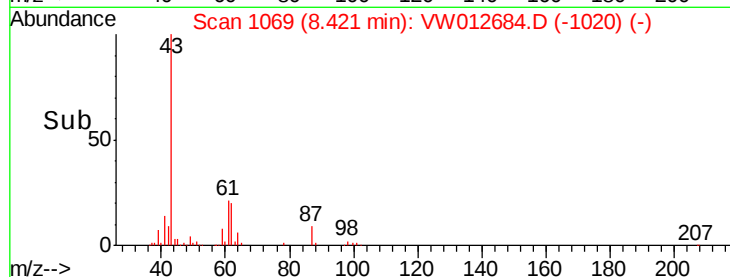
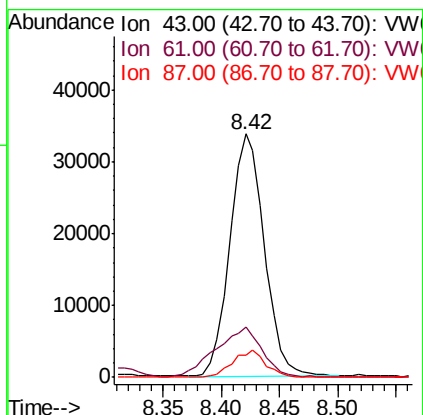
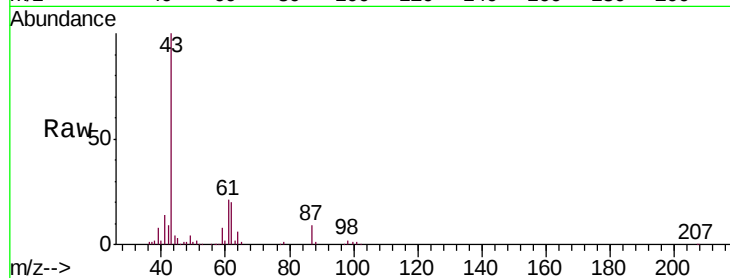




#43
Isopropyl Acetate
Concen: 18.682 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

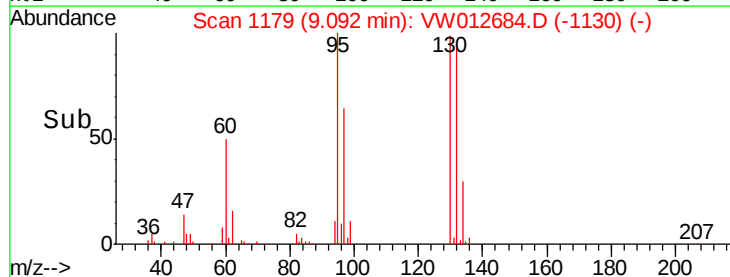
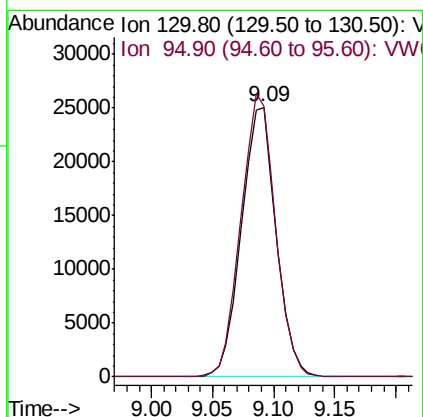
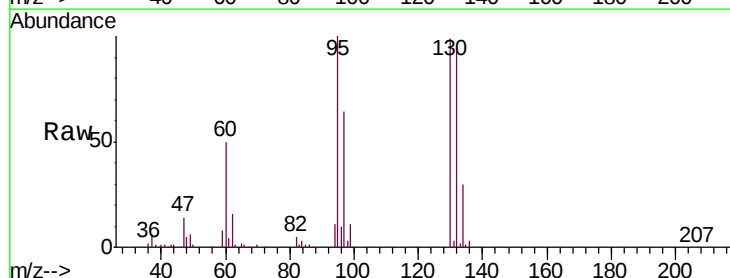
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

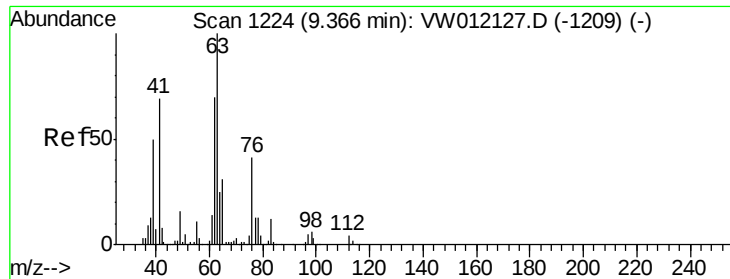
Tgt Ion: 43 Resp: 69668
Ion Ratio Lower Upper
43 100
61 28.0 21.1 31.7
87 10.7 8.2 12.2



#44
Trichloroethene
Concen: 20.282 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion: 130 Resp: 49463
Ion Ratio Lower Upper
130 100
95 100.6 0.0 210.6

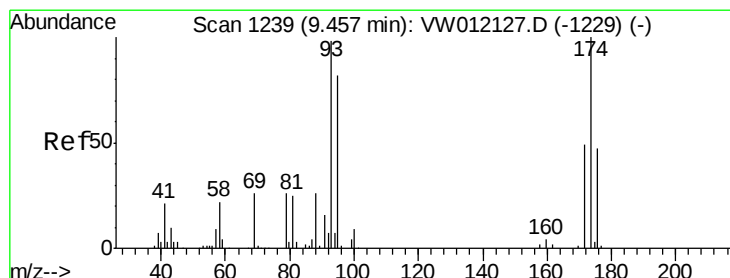
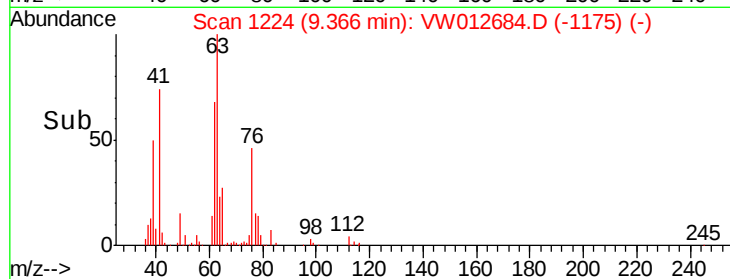
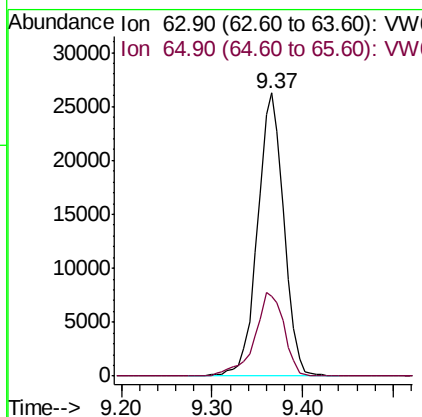
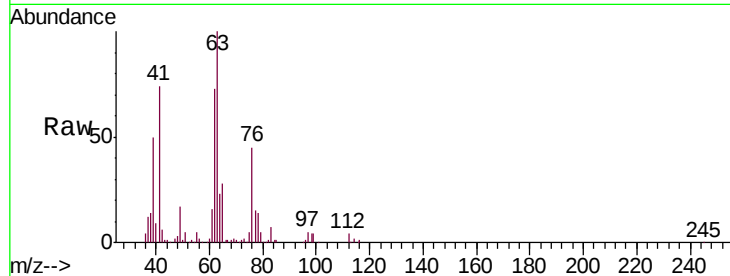




#45
 1,2-Dichloropropane
 Concen: 19.443 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

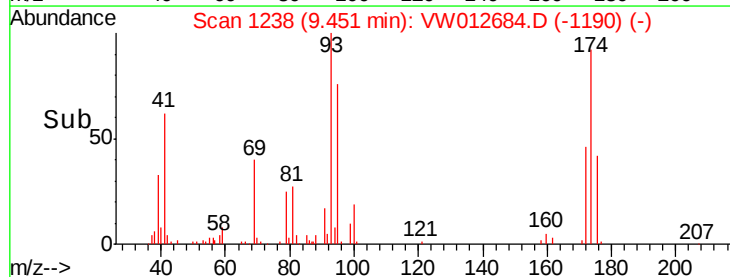
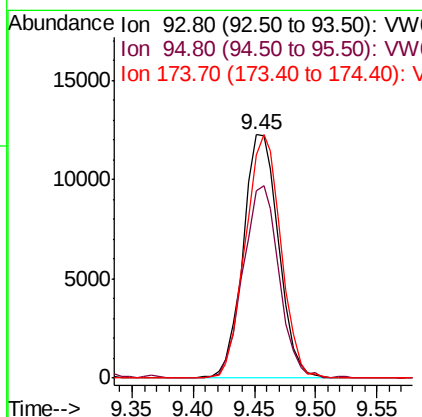
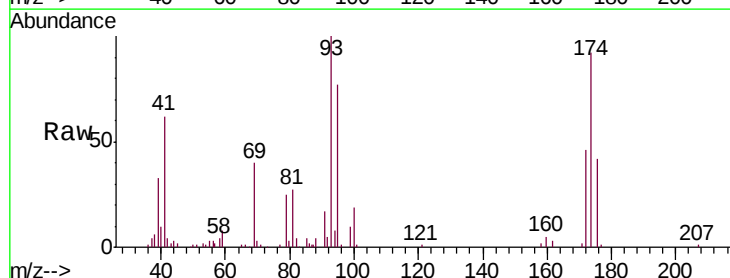
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

Tgt Ion: 63 Resp: 52495
 Ion Ratio Lower Upper
 63 100
 65 28.2 25.0 37.4



#46
 Dibromomethane
 Concen: 20.566 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 93 Resp: 24705
 Ion Ratio Lower Upper
 93 100
 95 79.8 67.2 100.8
 174 100.2 79.0 118.6

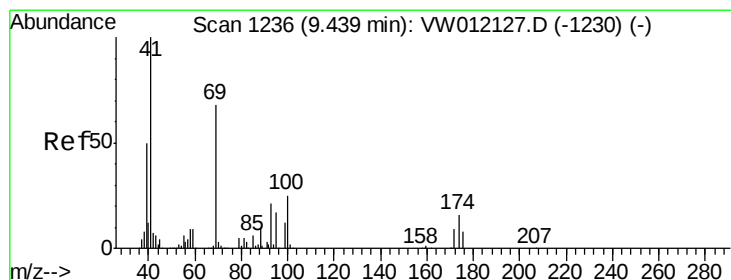
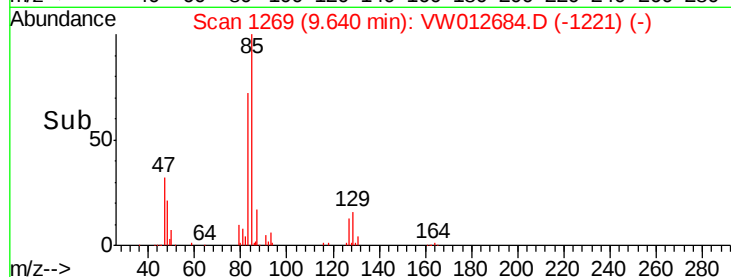
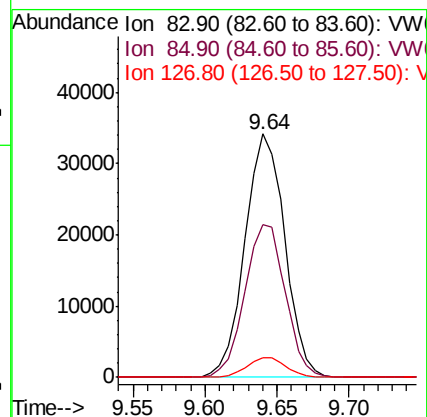
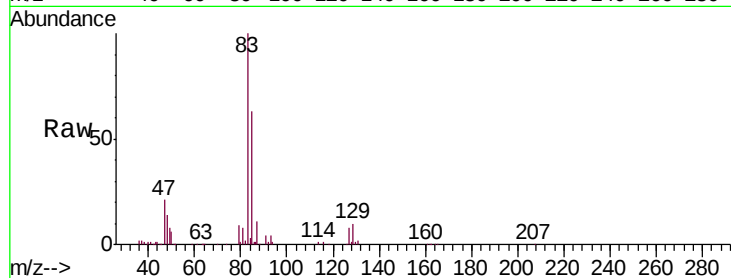




#47
 Bromodichloromethane
 Concen: 20.453 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

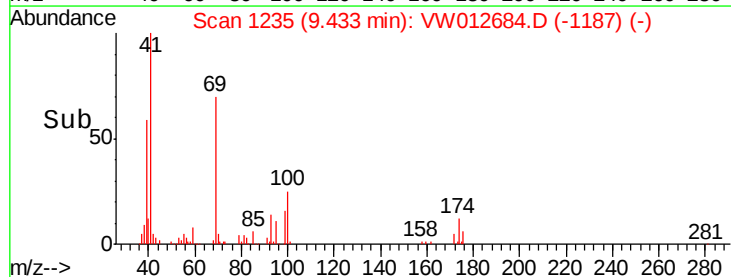
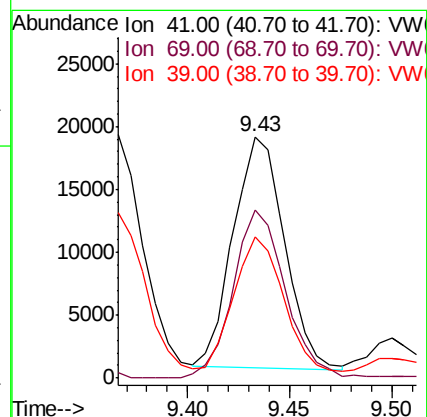
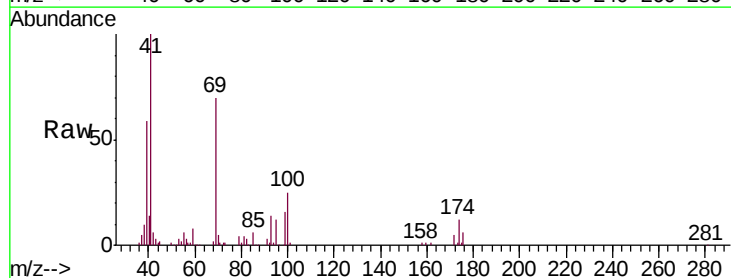
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

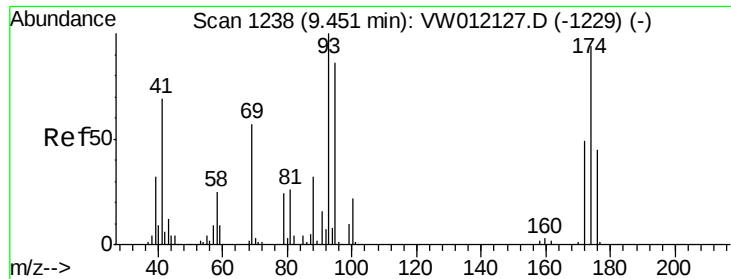
Tgt Ion: 83 Resp: 65391
 Ion Ratio Lower Upper
 83 100
 85 62.6 49.4 74.2
 127 8.0 6.1 9.1



#48
 Methyl methacrylate
 Concen: 18.107 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 41 Resp: 32138
 Ion Ratio Lower Upper
 41 100
 69 74.8 56.7 85.1
 39 61.8 42.0 63.0





#49

1,4-Dioxane

Concen: 350.458 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.03 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

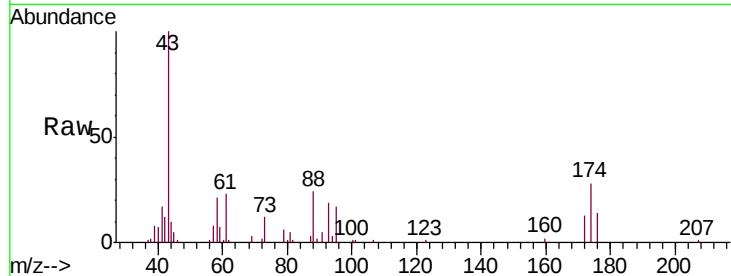
Tgt Ion: 88 Resp: 6445

Ion Ratio Lower Upper

88 100

43 822.8 32.9 49.3#

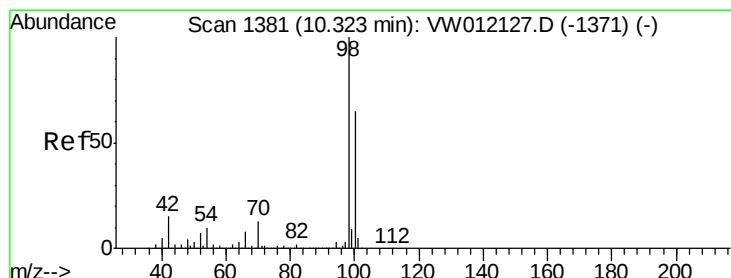
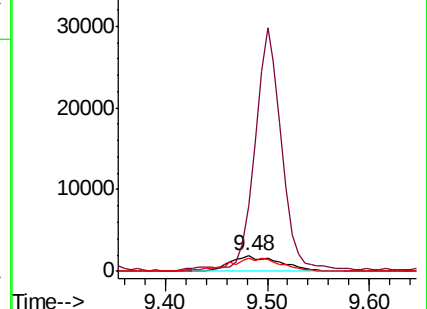
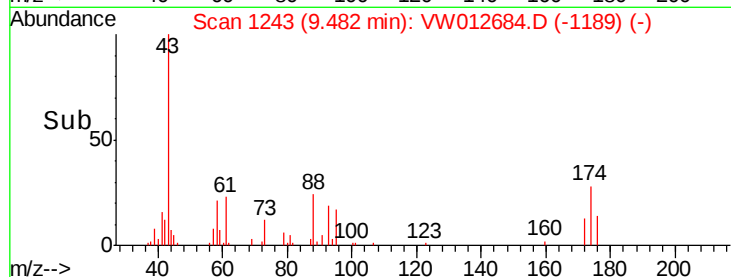
58 91.2 71.0 106.4



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: 45.764 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012684.D

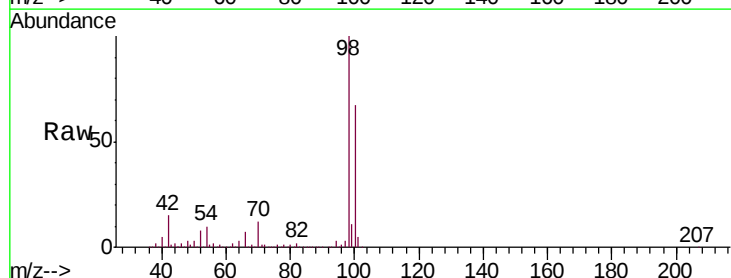
Acq: 06 Sep 2019 12:06

Tgt Ion: 98 Resp: 393786

Ion Ratio Lower Upper

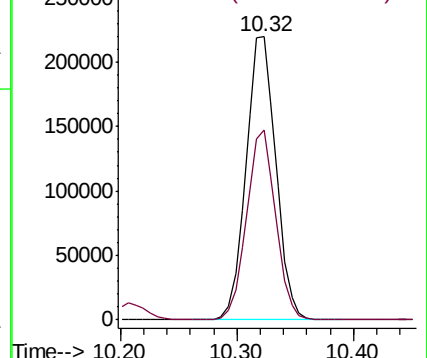
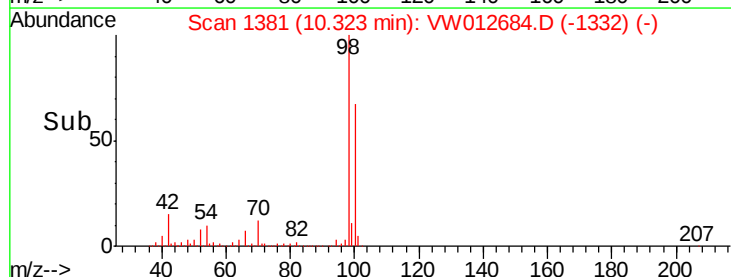
98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

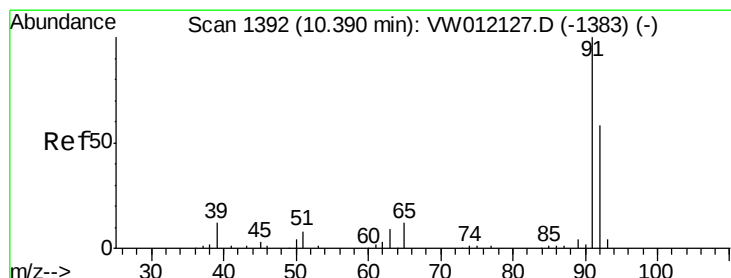
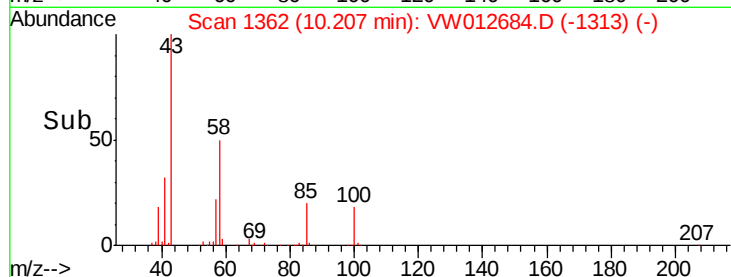
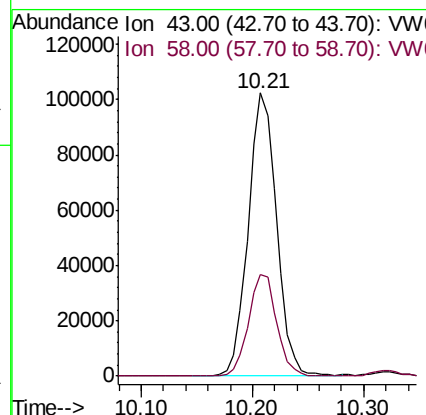
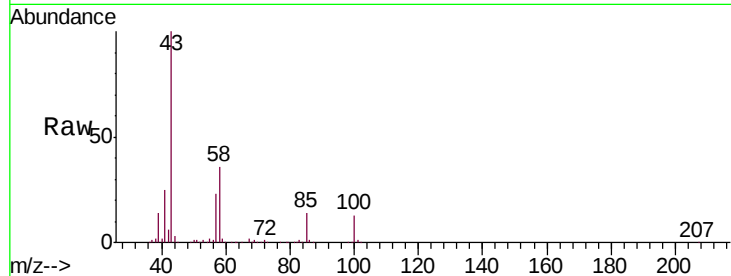




#51
 4-Methyl-2-Pentanone
 Concen: 95.439 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

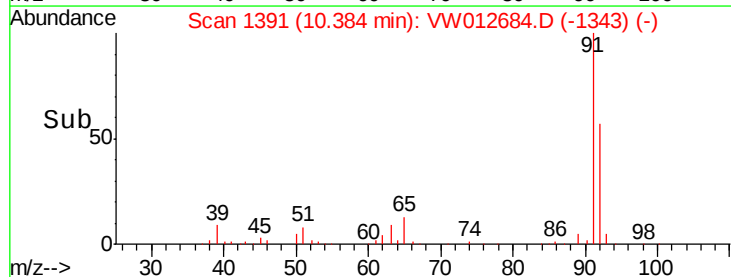
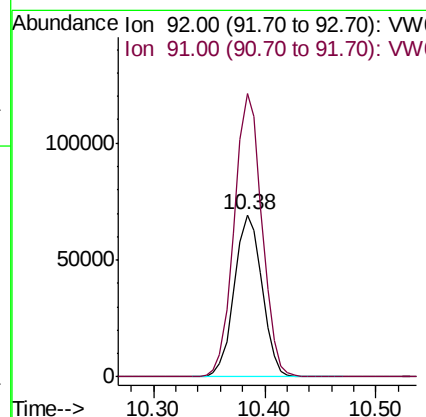
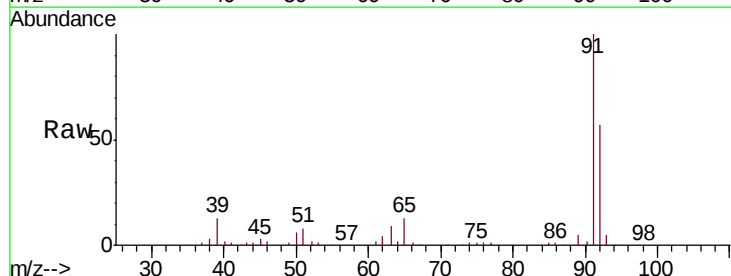
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

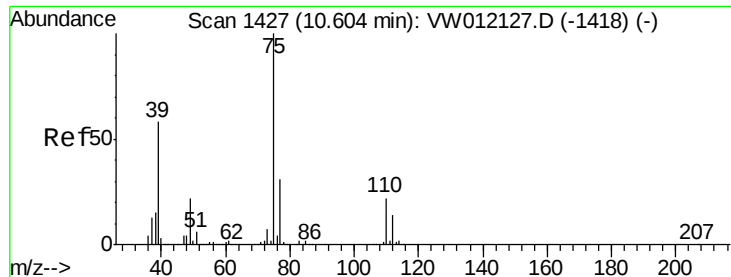
Tgt Ion: 43 Resp: 181029
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.2 42.2



#52
 Toluene
 Concen: 19.901 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 92 Resp: 119939
 Ion Ratio Lower Upper
 92 100
 91 174.1 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.980 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

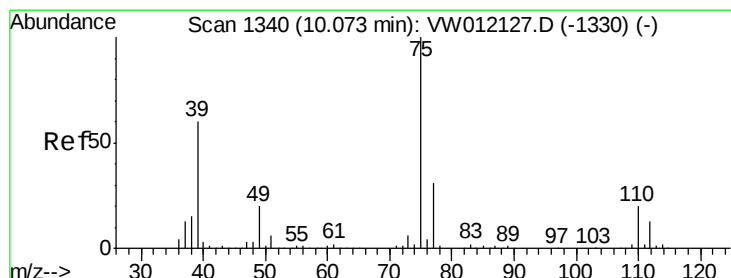
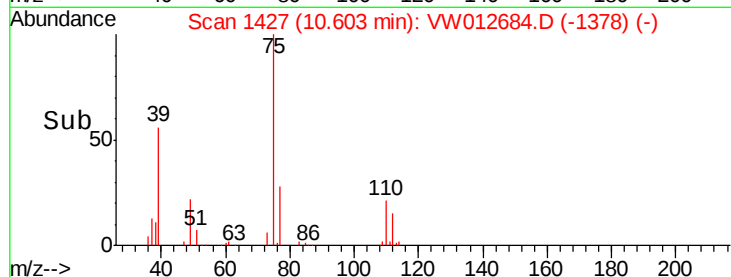
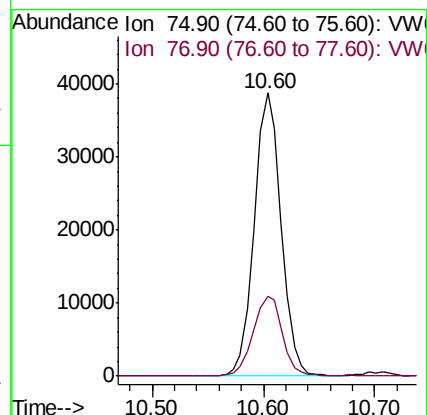
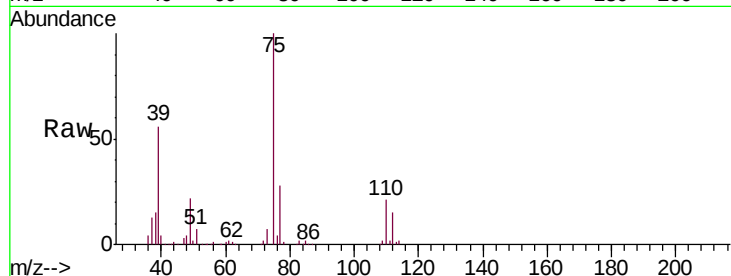
VW0906SBS01

Tgt Ion: 75 Resp: 65067

Ion Ratio Lower Upper

75 100

77 28.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.383 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

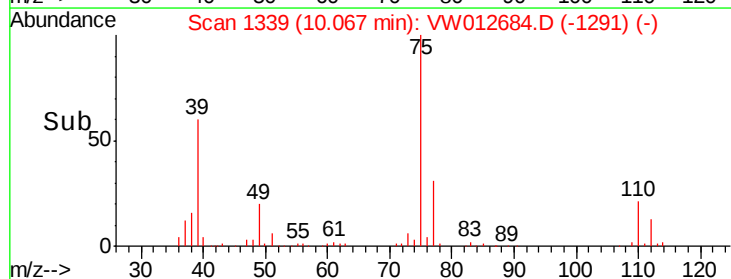
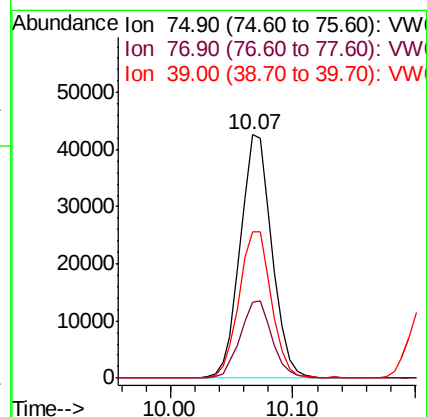
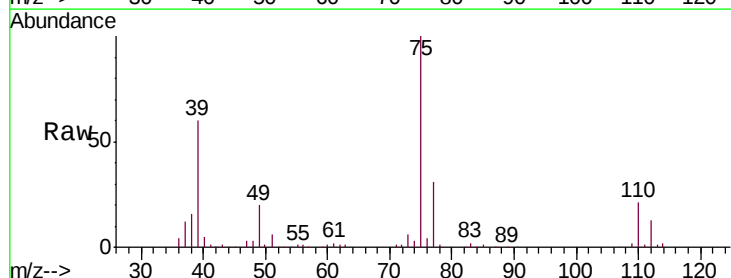
Tgt Ion: 75 Resp: 76220

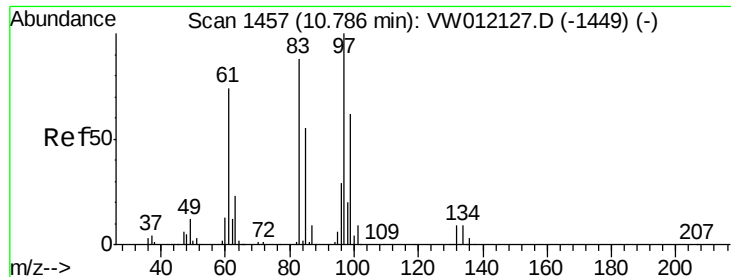
Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 60.1 48.3 72.5

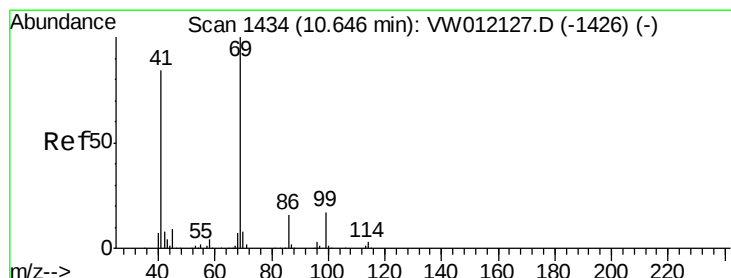
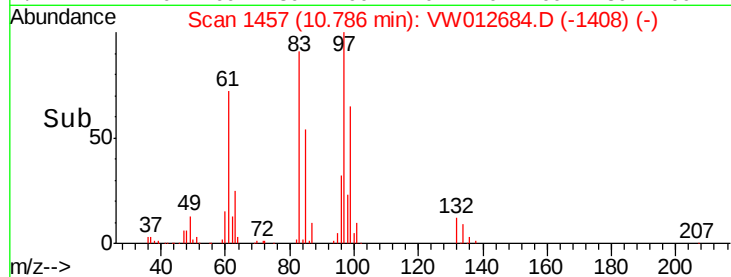
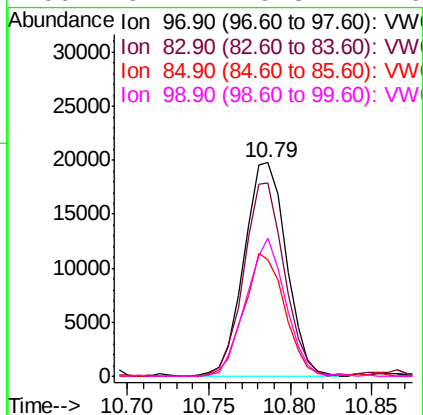
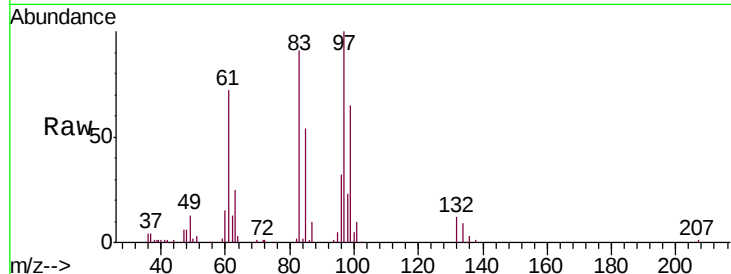




#55
 1,1,2-Trichloroethane
 Concen: 21.064 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

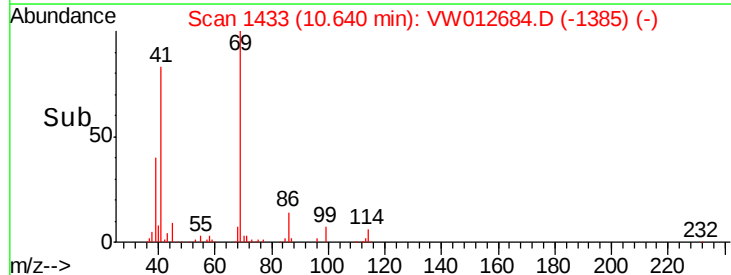
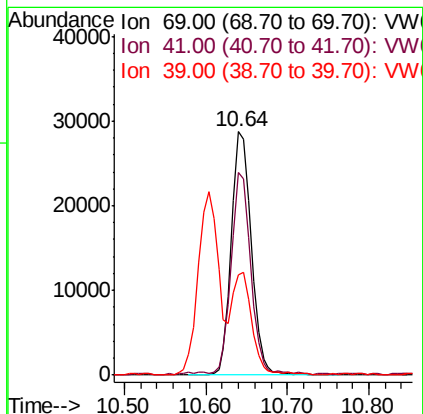
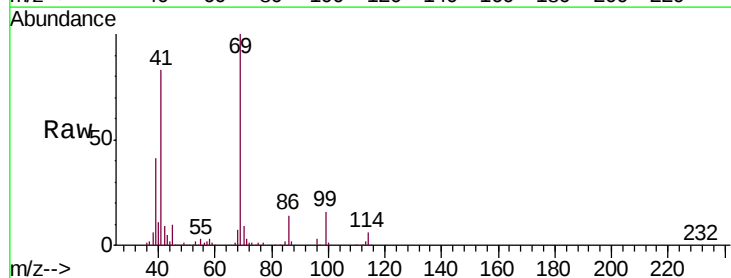
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

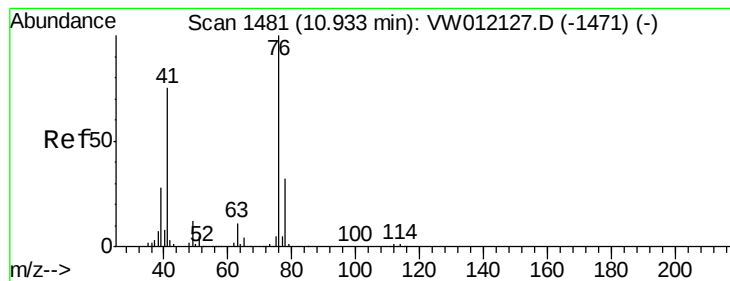
Tgt Ion:	97	Resp:	35801
Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.8	106.2
85	54.4	43.8	65.8
99	64.7	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 19.574 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion:	69	Resp:	48421
Ion	Ratio	Lower	Upper
69	100		
41	81.6	66.5	99.7
39	39.3	31.0	46.4





#57

1,3-Dichloropropane

Concen: 20.269 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

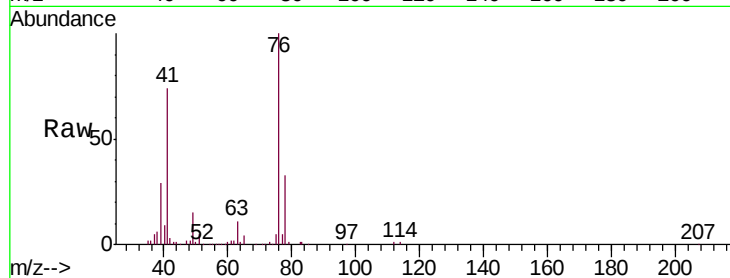
VW0906SBS01

Tgt Ion: 76 Resp: 65102

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

40000

30000

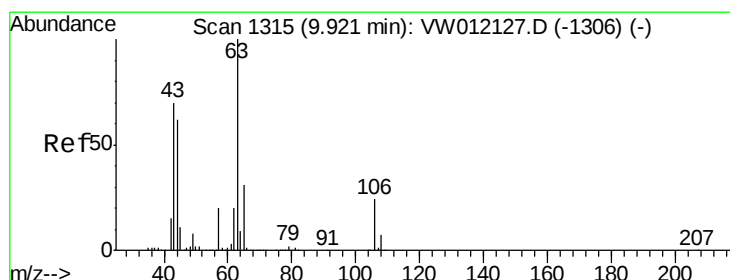
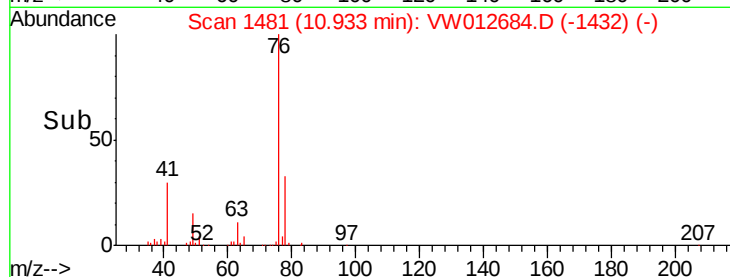
20000

10000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 103.326 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012684.D

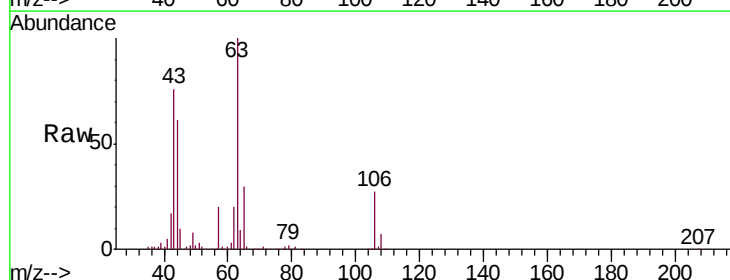
Acq: 06 Sep 2019 12:06

Tgt Ion: 63 Resp: 131178

Ion Ratio Lower Upper

63 100

106 26.1 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

80000

60000

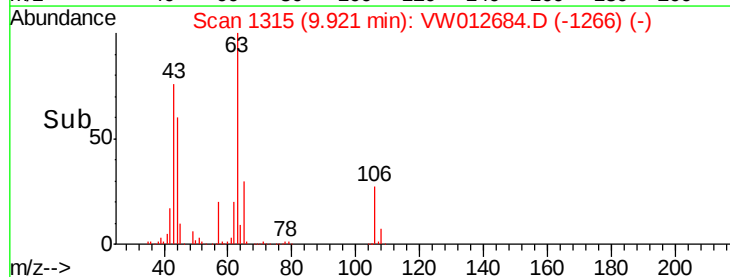
40000

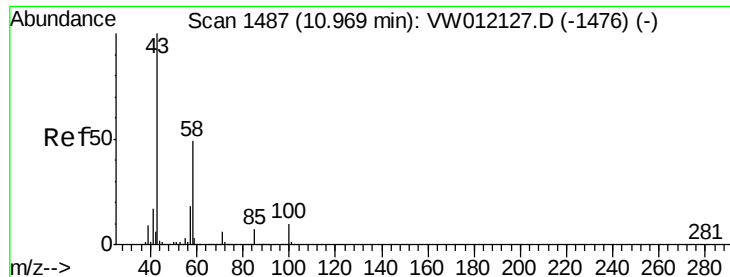
20000

0

Time-->

9.80 9.90 10.00

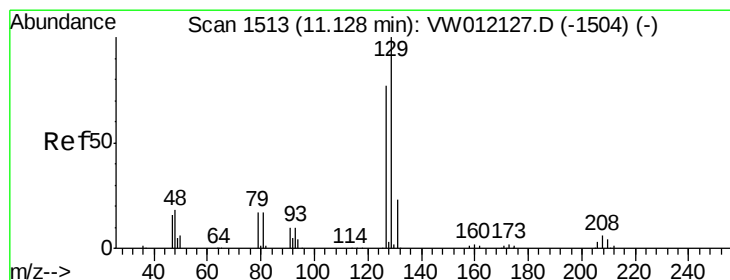
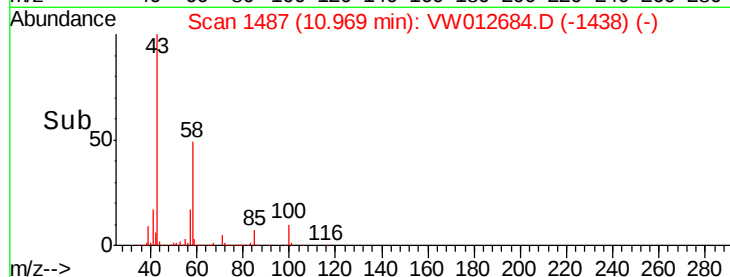
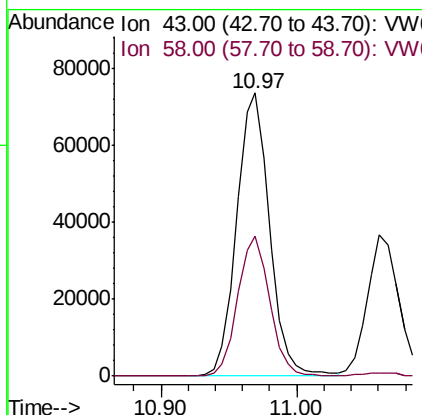
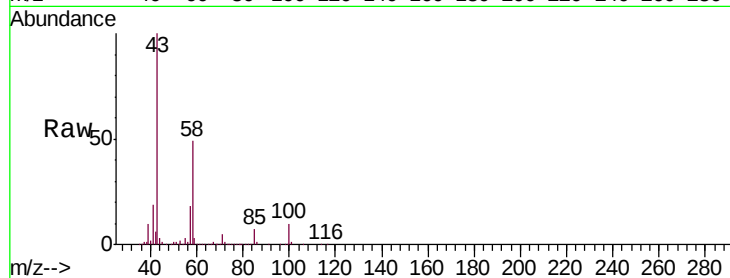




#59
2-Hexanone
Concen: 91.979 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

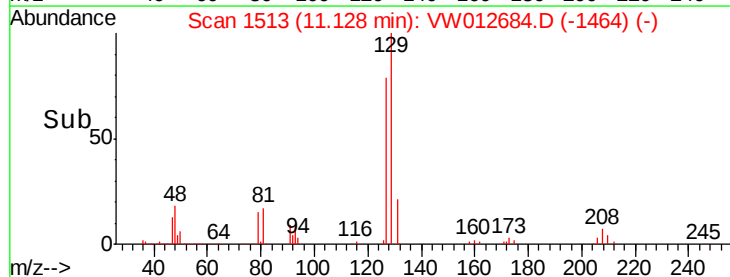
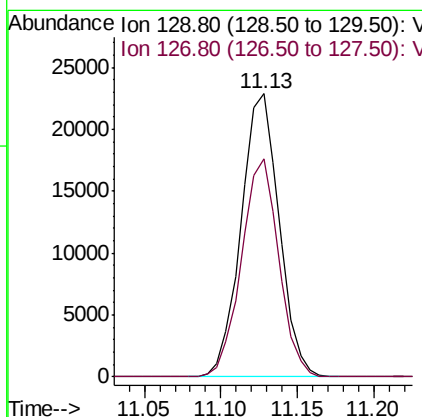
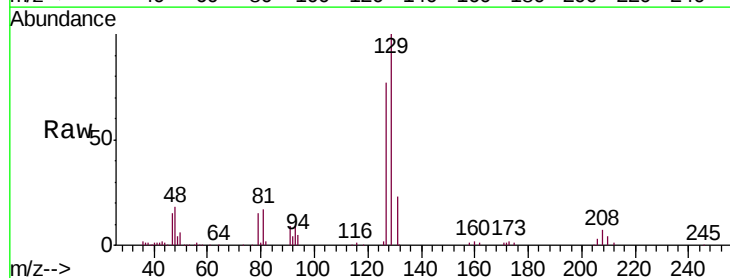
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

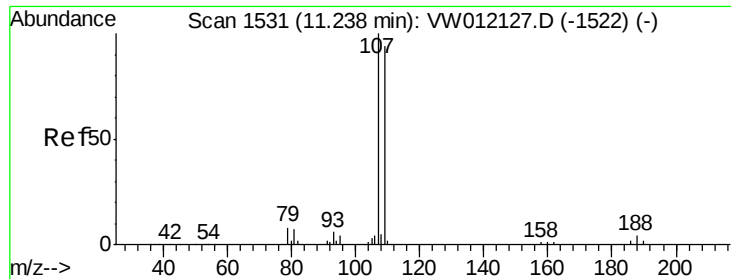
Tgt Ion: 43 Resp: 123446
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9



#60
Dibromochloromethane
Concen: 20.921 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion: 129 Resp: 39606
Ion Ratio Lower Upper
129 100
127 75.4 38.6 115.8

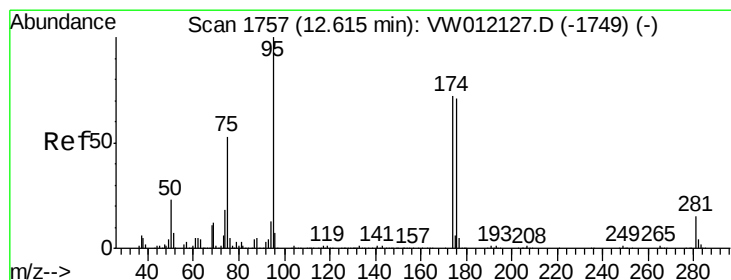
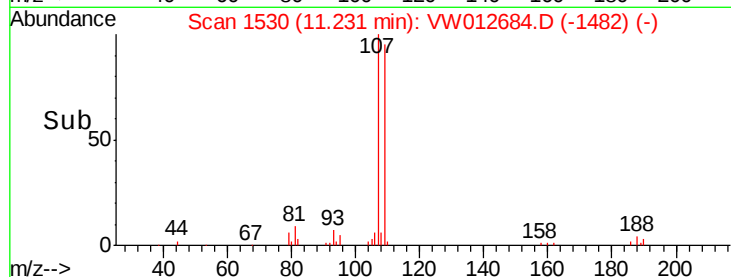
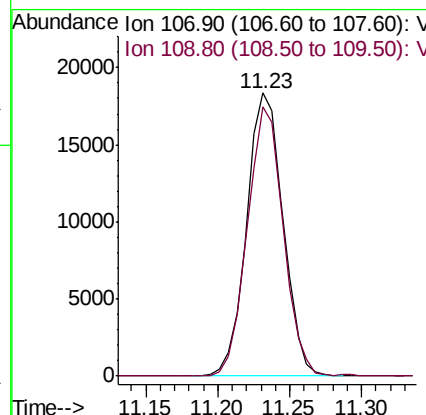
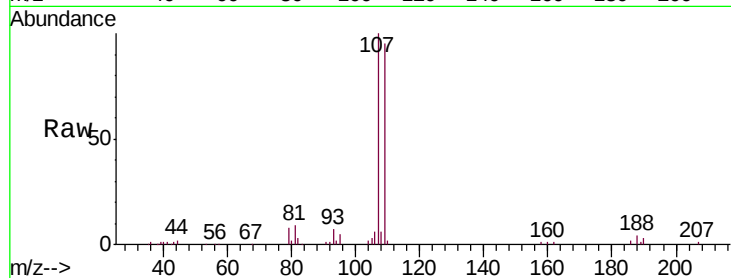




#61
 1,2-Dibromoethane
 Concen: 20.202 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

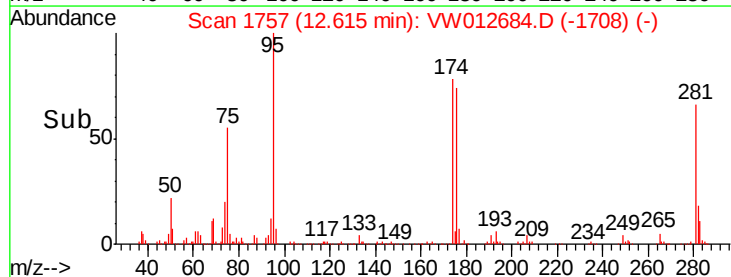
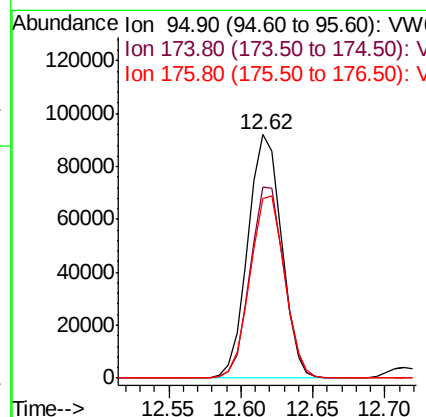
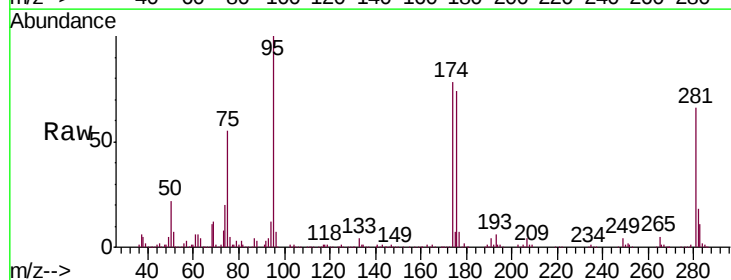
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

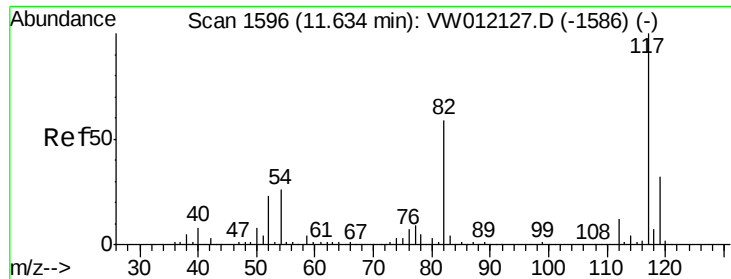
Tgt Ion: 107 Resp: 31988
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.276 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 95 Resp: 149461
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 150.8
 176 76.5 0.0 148.6

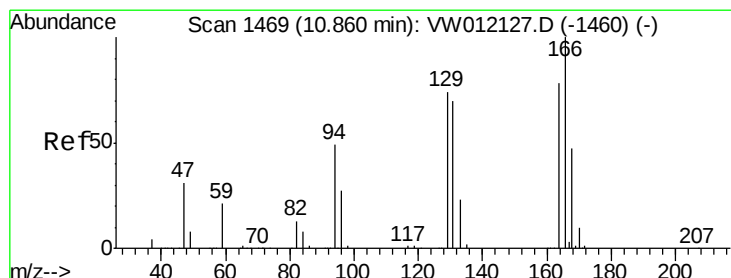
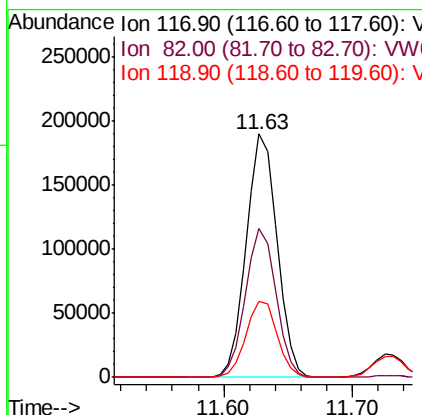
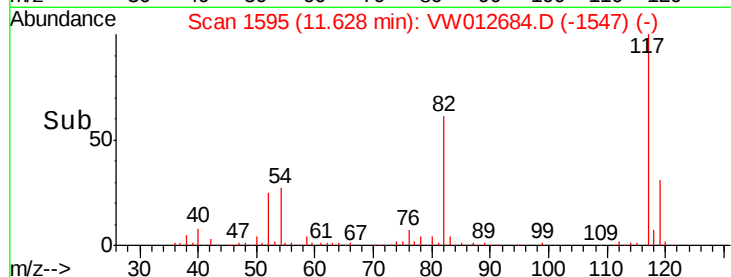
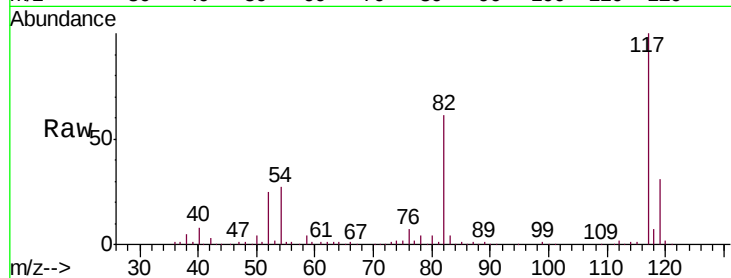




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

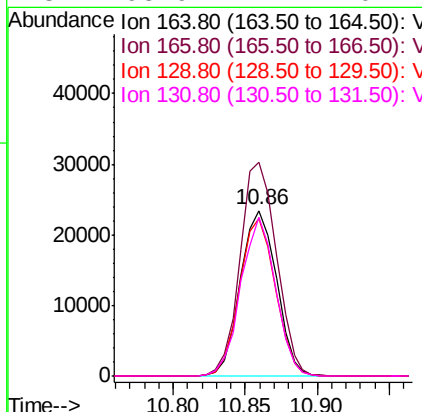
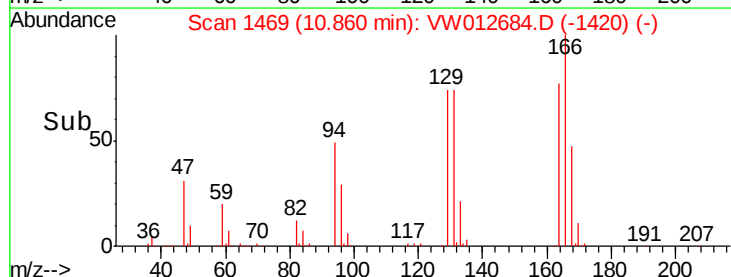
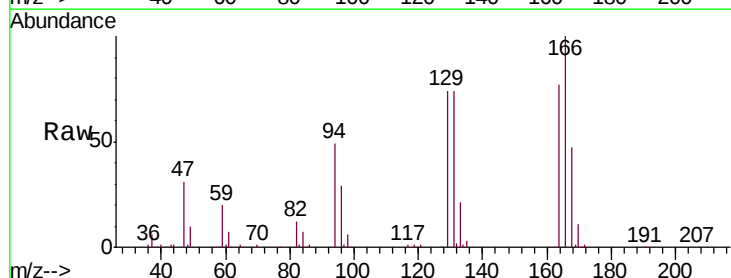
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

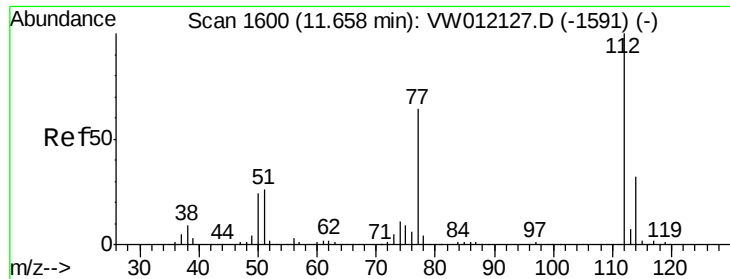
Tgt Ion:117 Resp: 313850
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 19.995 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion:164 Resp: 40685
Ion Ratio Lower Upper
164 100
166 129.3 102.4 153.6
129 95.6 75.8 113.6
131 95.9 71.4 107.2





#65

Chlorobenzene

Concen: 20.432 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

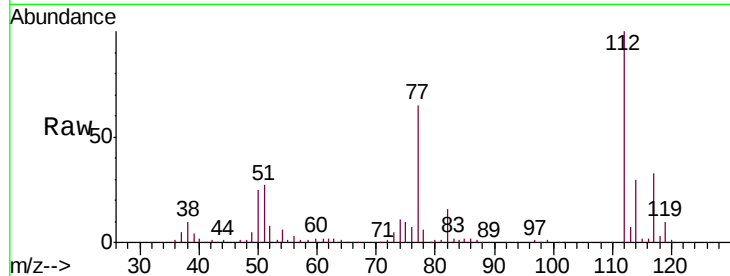
VW0906SBS01

Tgt Ion:112 Resp: 126271

Ion Ratio Lower Upper

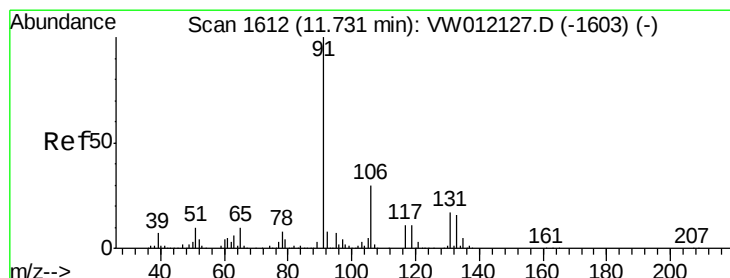
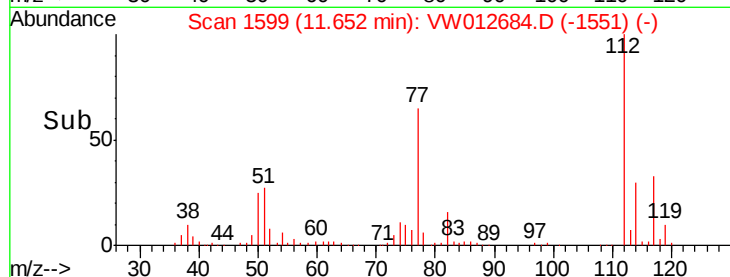
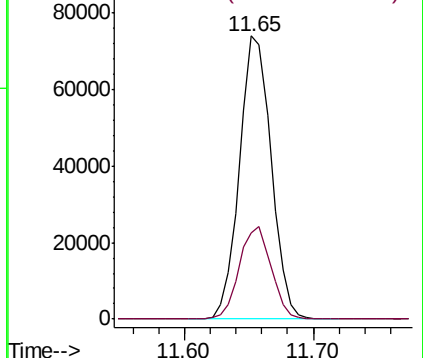
112 100

114 30.4 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.963 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

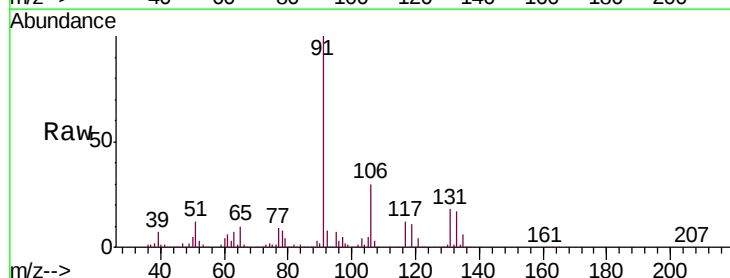
Tgt Ion:131 Resp: 45195

Ion Ratio Lower Upper

131 100

133 95.5 47.1 141.3

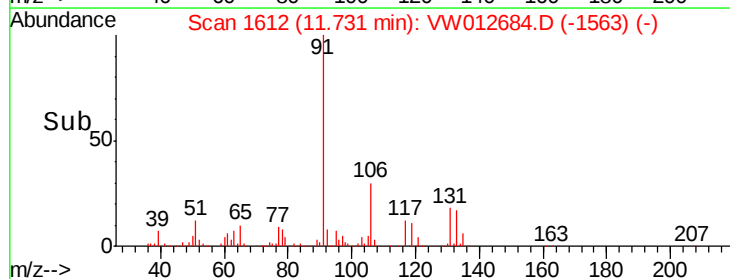
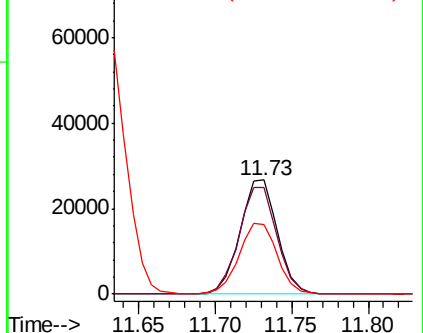
119 63.2 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

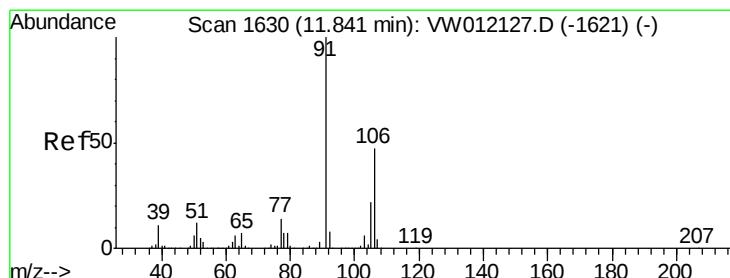
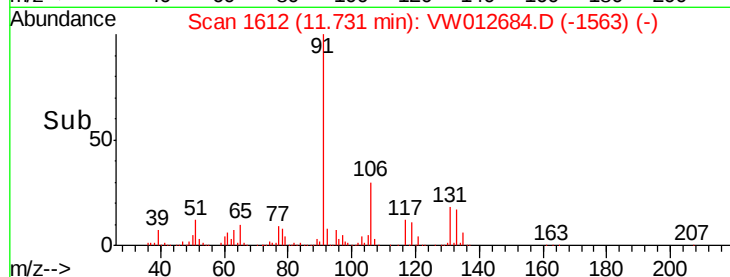
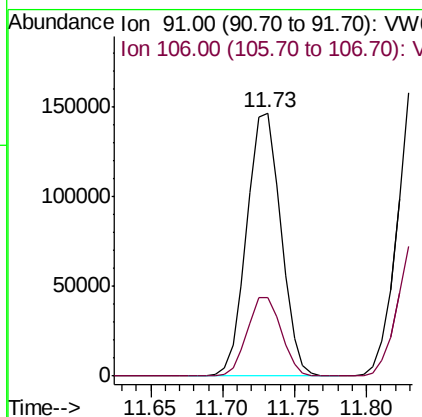
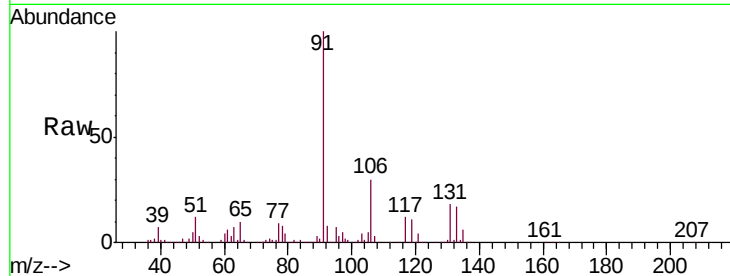




#67
Ethyl Benzene
Concen: 20.259 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

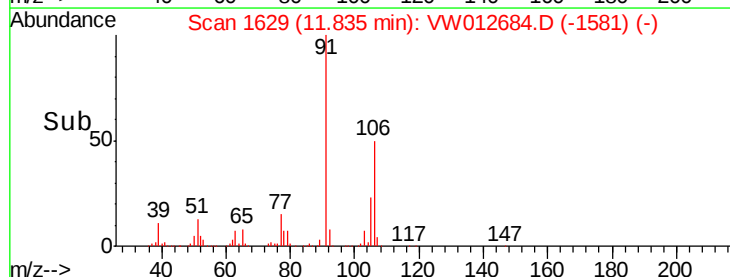
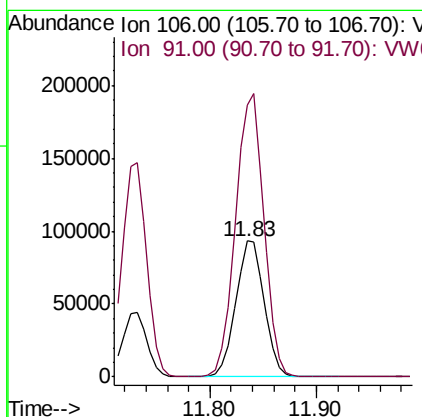
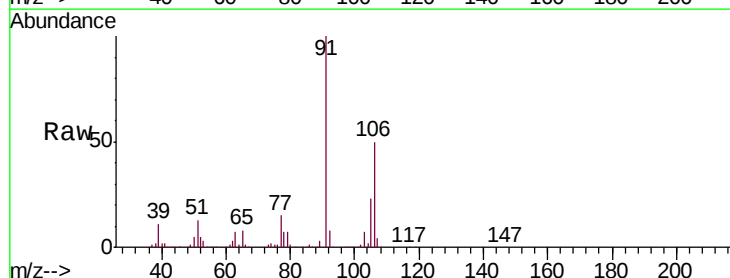
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

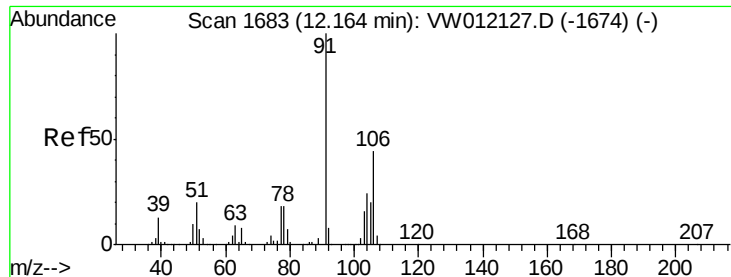
Tgt Ion: 91 Resp: 241174
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 40.781 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion: 106 Resp: 174879
Ion Ratio Lower Upper
106 100
91 208.0 169.5 254.3

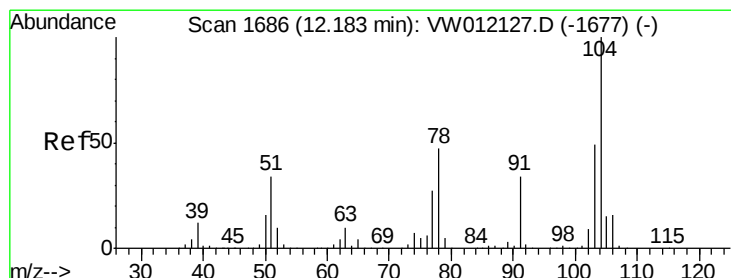
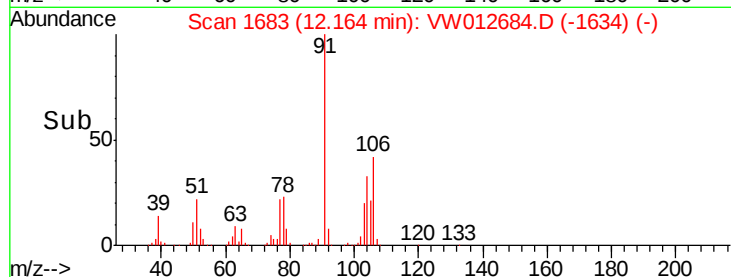
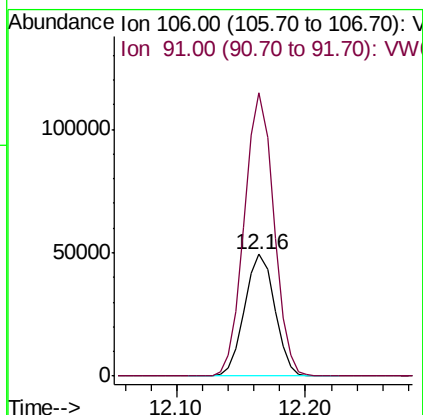
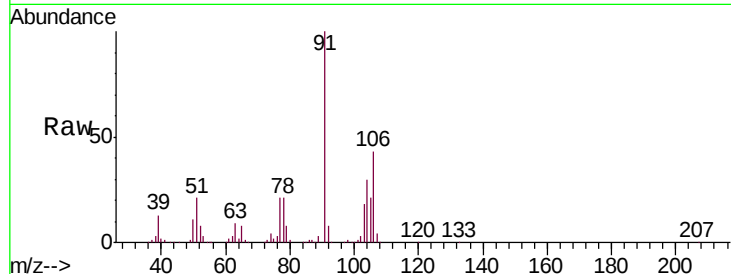




#69
o-Xylene
Concen: 20.128 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

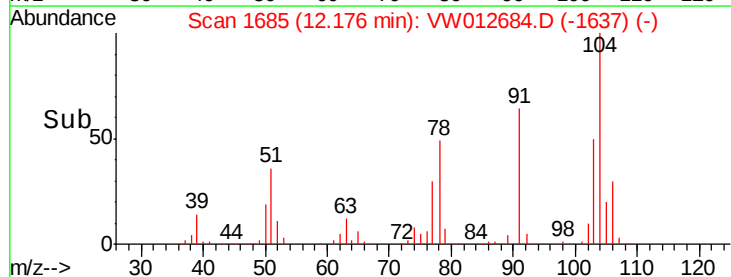
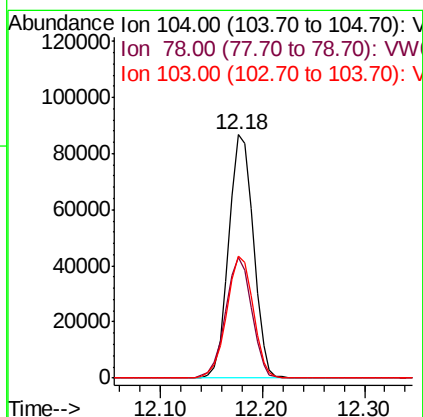
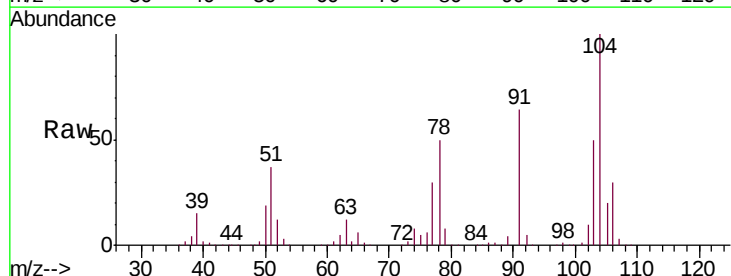
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

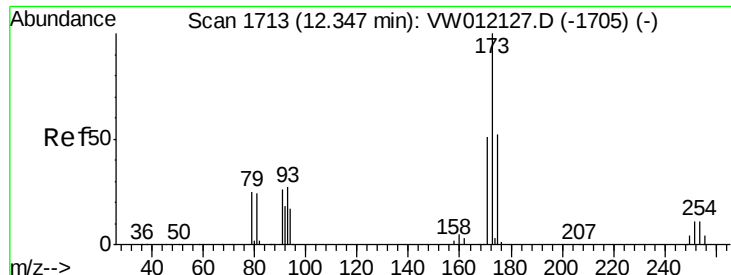
Tgt Ion:106 Resp: 79884
Ion Ratio Lower Upper
106 100
91 227.1 111.6 334.6



#70
Styrene
Concen: 21.056 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion:104 Resp: 144647
Ion Ratio Lower Upper
104 100
78 52.9 43.1 64.7
103 53.9 43.5 65.3

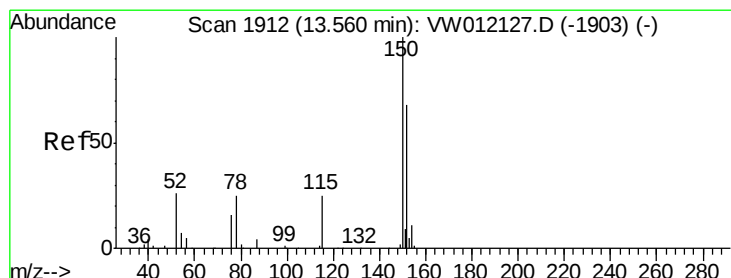
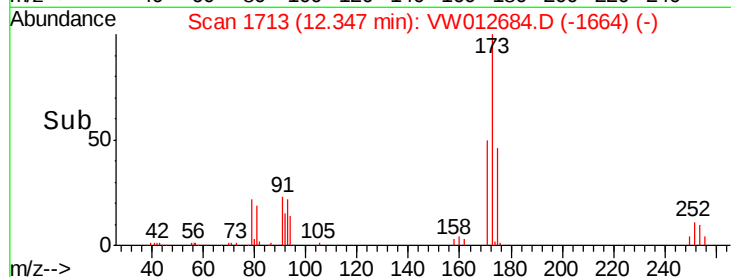
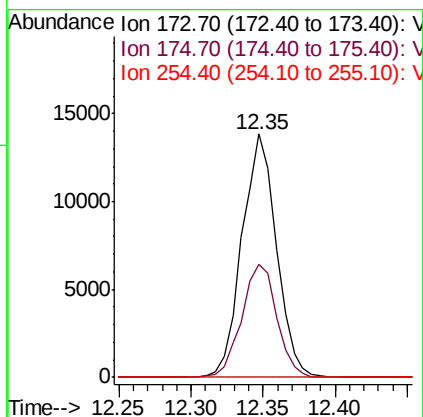
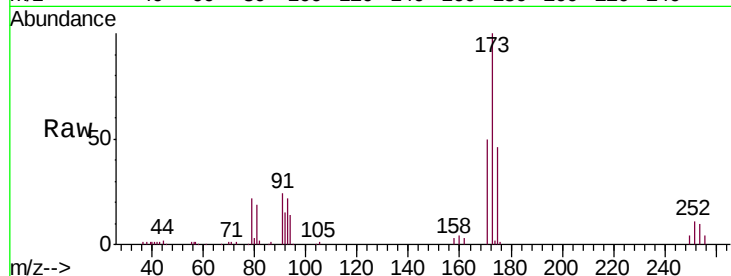




#71
Bromoform
Concen: 21.273 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

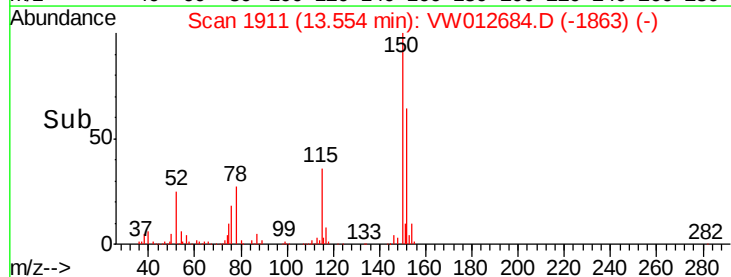
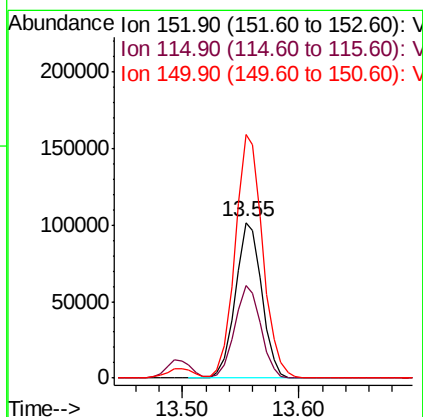
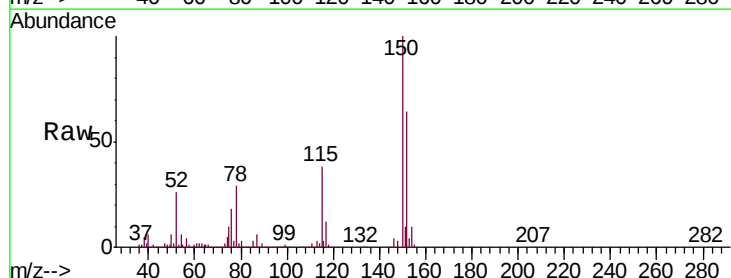
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

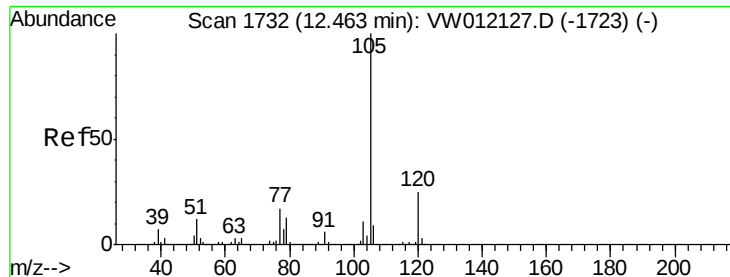
Tgt Ion:173 Resp: 22850
Ion Ratio Lower Upper
173 100
175 47.3 24.6 74.0
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion:152 Resp: 159909
Ion Ratio Lower Upper
152 100
115 59.1 30.1 90.3
150 163.7 0.0 345.8





#73

Isopropylbenzene

Concen: 19.611 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

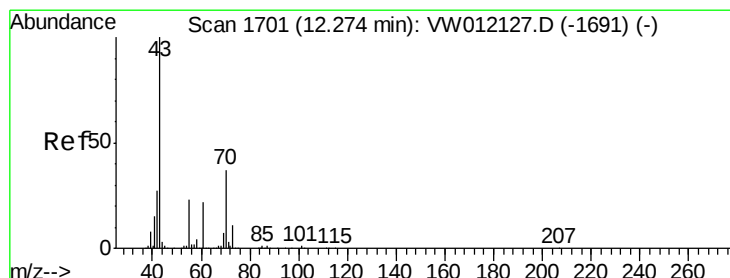
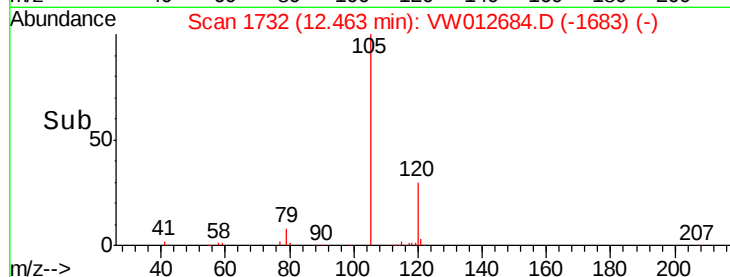
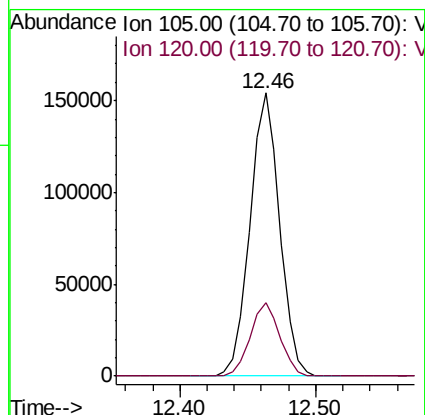
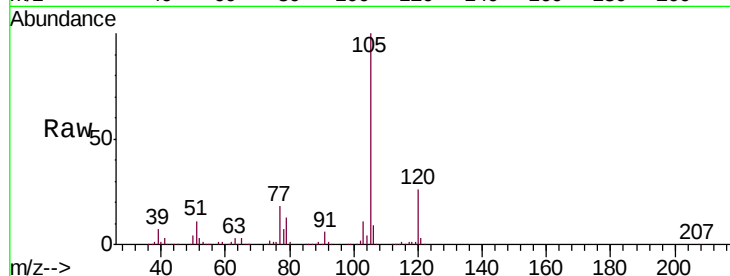
VW0906SBS01

Tgt Ion:105 Resp: 234987

Ion Ratio Lower Upper

105 100

120 25.9 12.5 37.5



#74

N-ethyl acetate

Concen: 17.981 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Tgt Ion: 43 Resp: 65095

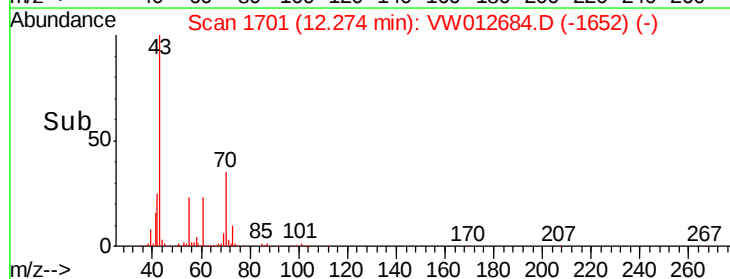
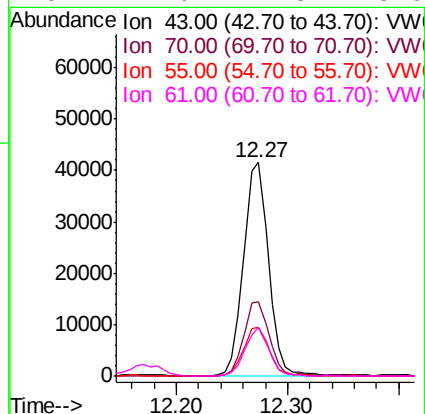
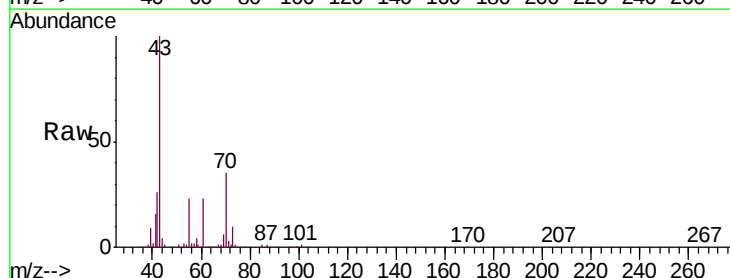
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 23.6 17.8 26.6

61 22.0 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.179 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

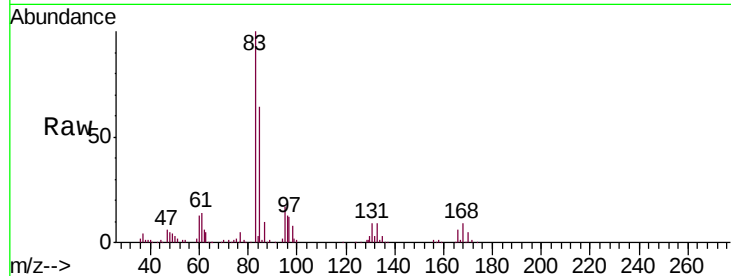
Tgt Ion: 83 Resp: 39934

Ion Ratio Lower Upper

83 100

131 11.2 4.9 14.7

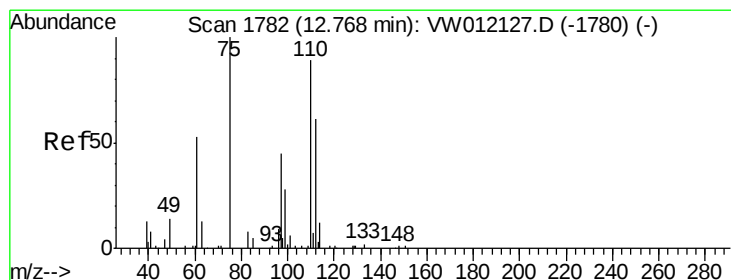
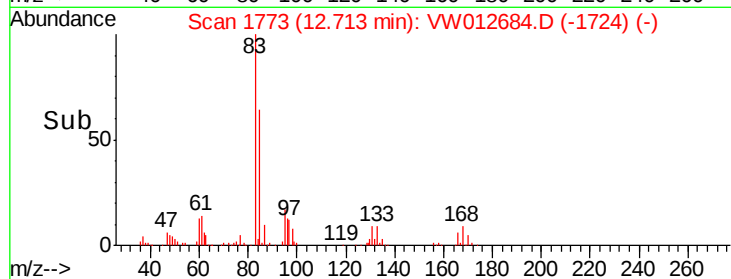
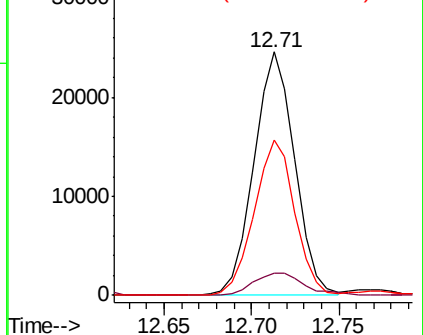
85 63.5 31.9 95.7



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: 34.835 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012684.D

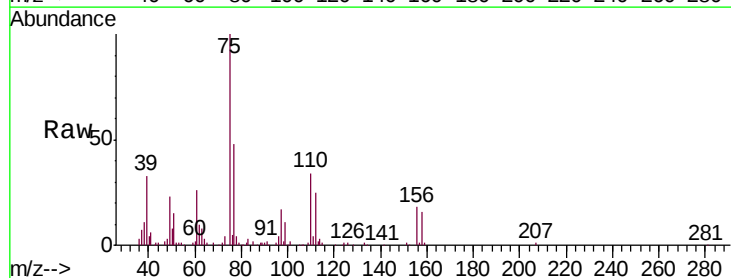
Acq: 06 Sep 2019 12:06

Tgt Ion: 75 Resp: 54252

Ion Ratio Lower Upper

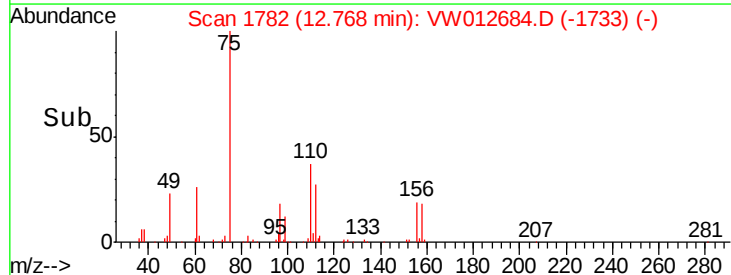
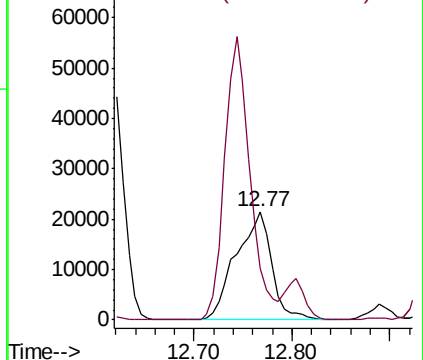
75 100

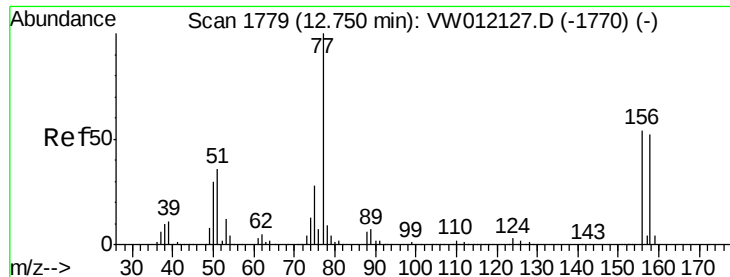
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

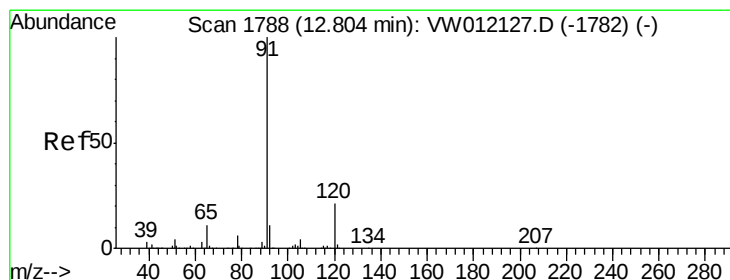
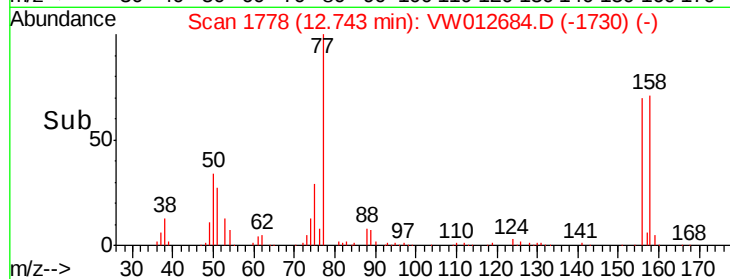
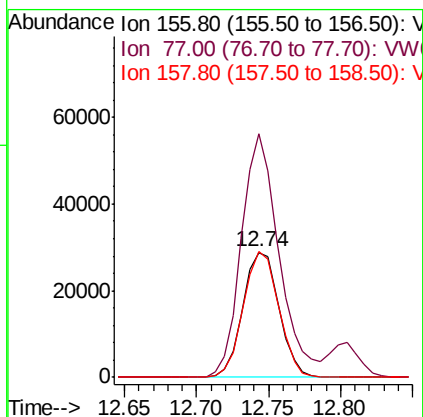
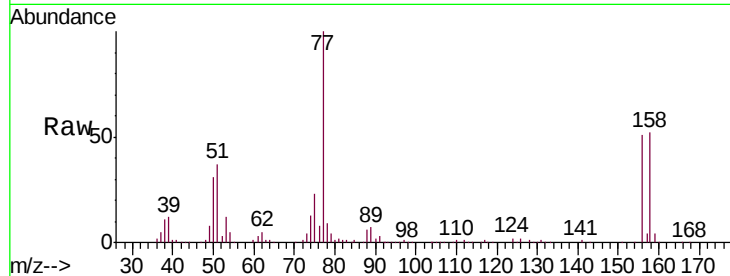




#77
Bromobenzene
Concen: 19.233 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

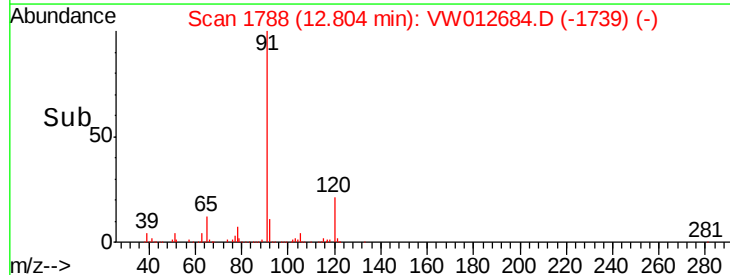
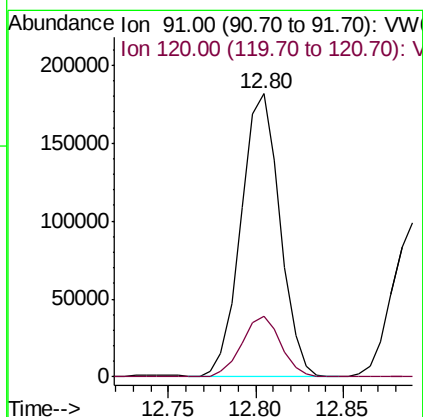
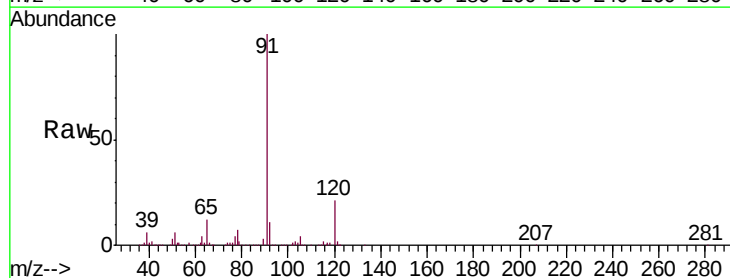
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

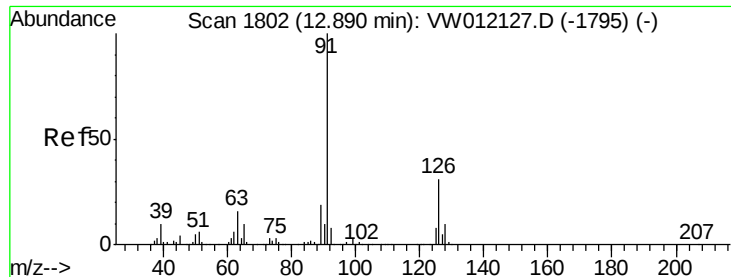
Tgt Ion:156 Resp: 49855
Ion Ratio Lower Upper
156 100
77 204.3 107.3 321.8
158 98.9 49.0 147.0



#78
n-propylbenzene
Concen: 19.148 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion: 91 Resp: 280089
Ion Ratio Lower Upper
91 100
120 21.5 10.5 31.6





#79

2-Chlorotoluene

Concen: 19.370 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

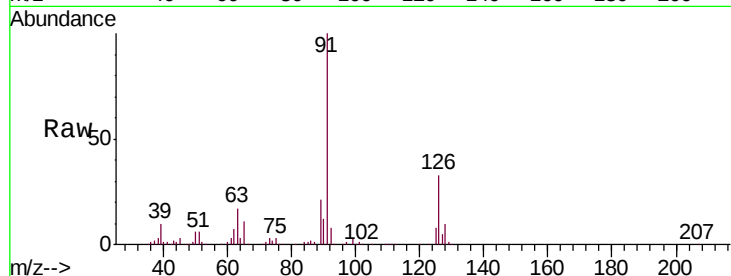
VW0906SBS01

Tgt Ion: 91 Resp: 160864

Ion Ratio Lower Upper

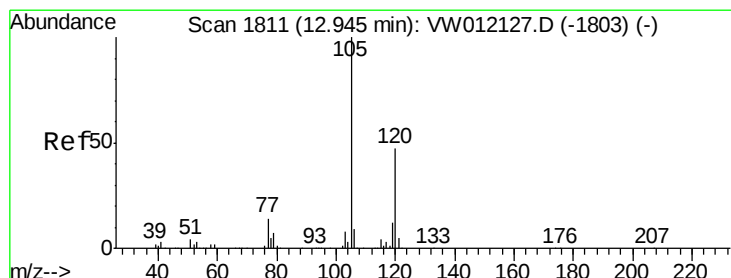
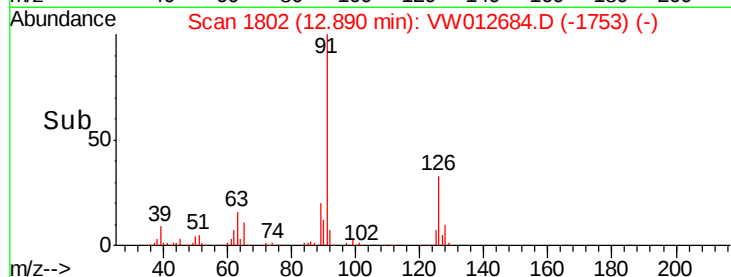
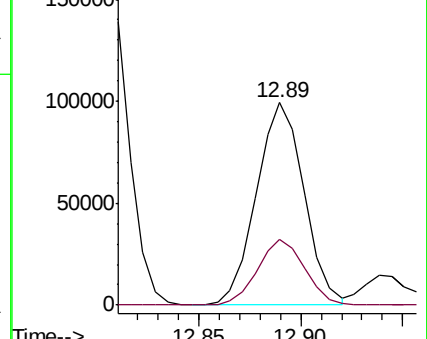
91 100

126 32.4 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.139 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW012684.D

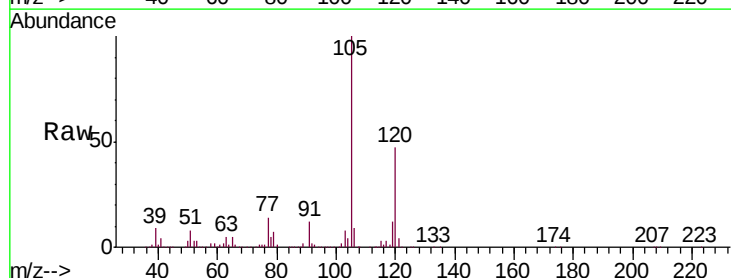
Acq: 06 Sep 2019 12:06

Tgt Ion: 105 Resp: 201637

Ion Ratio Lower Upper

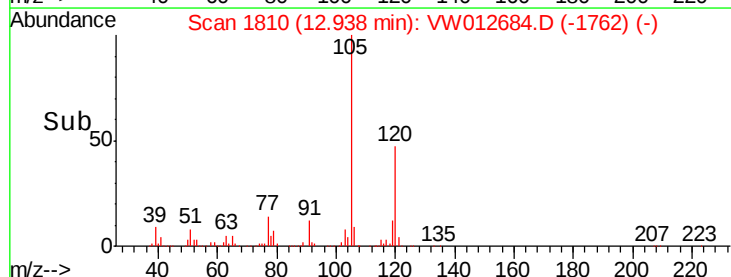
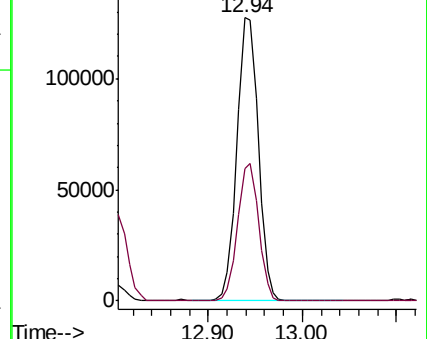
105 100

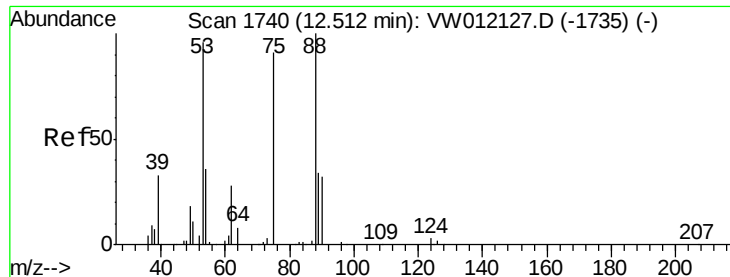
120 47.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.967 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

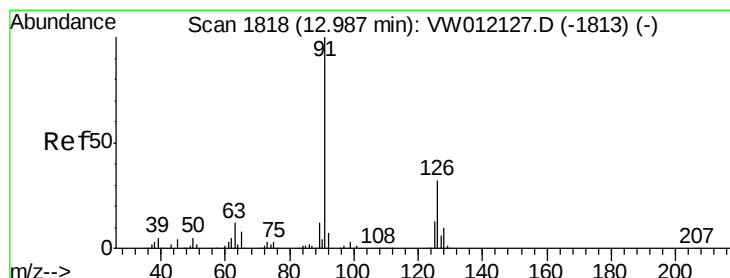
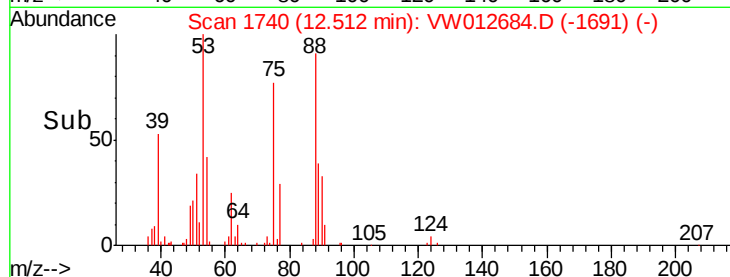
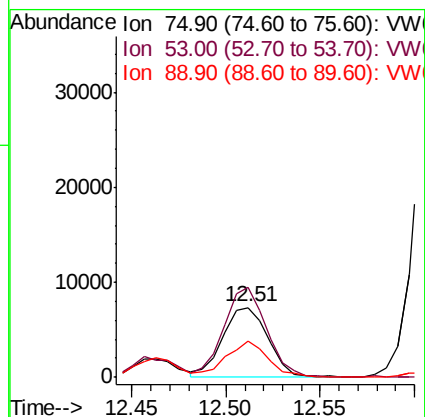
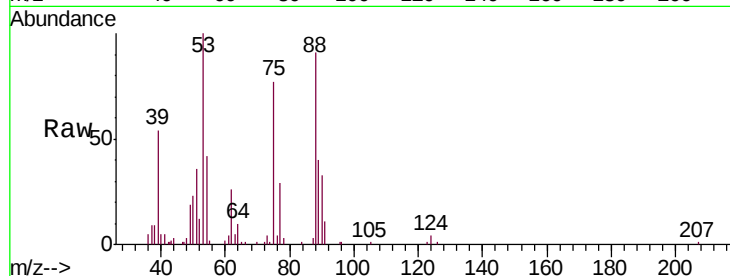
Tgt Ion: 75 Resp: 12052

Ion Ratio Lower Upper

75 100

53 122.4 89.4 134.0

89 48.6 34.5 51.7



#82

4-Chlorotoluene

Concen: 19.669 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012684.D

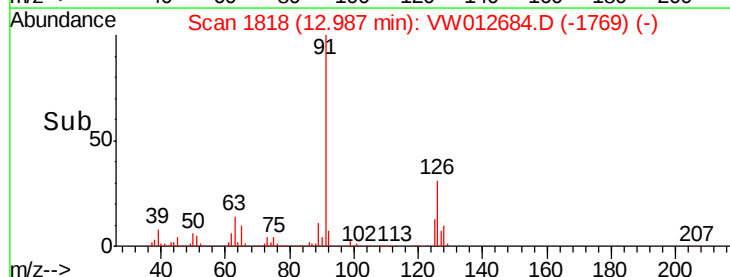
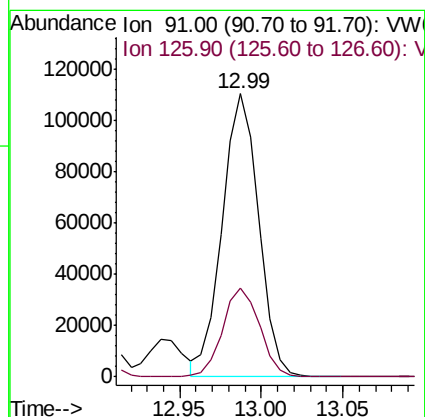
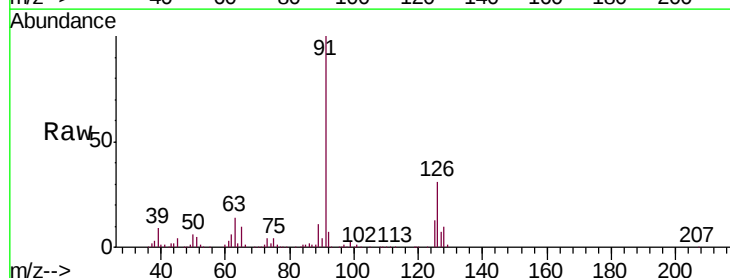
Acq: 06 Sep 2019 12:06

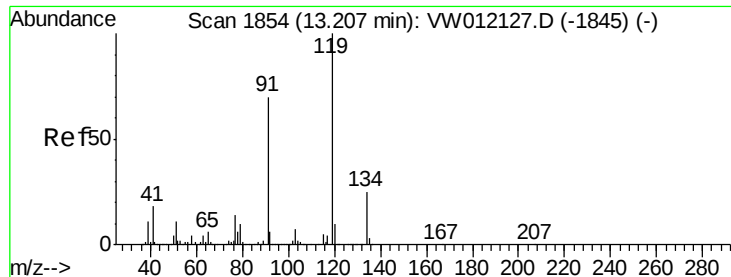
Tgt Ion: 91 Resp: 171040

Ion Ratio Lower Upper

91 100

126 32.0 15.6 46.8

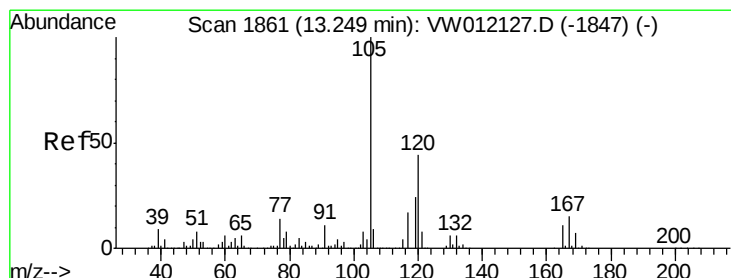
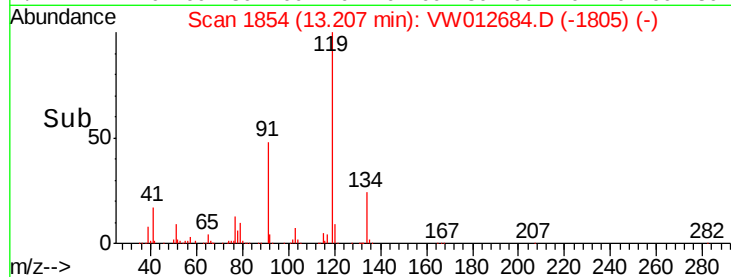
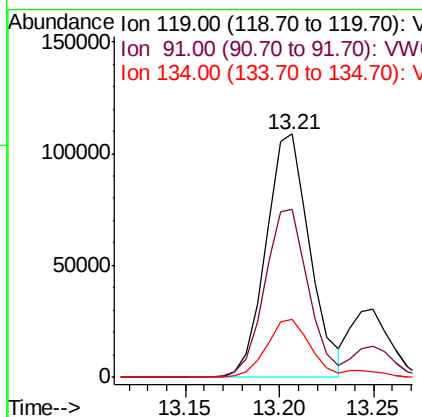
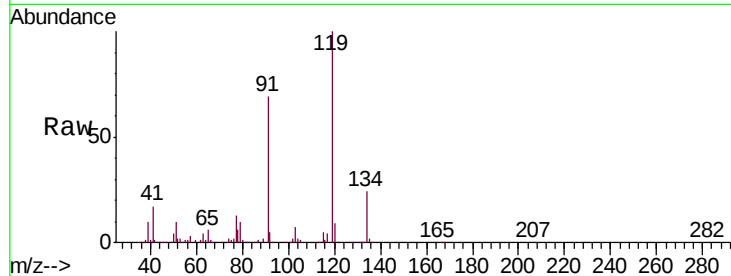




#83
 tert-Butylbenzene
 Concen: 20.678 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

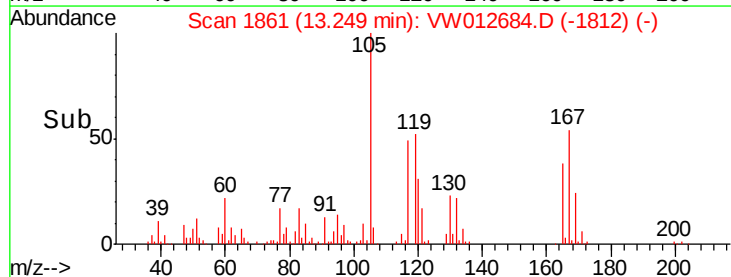
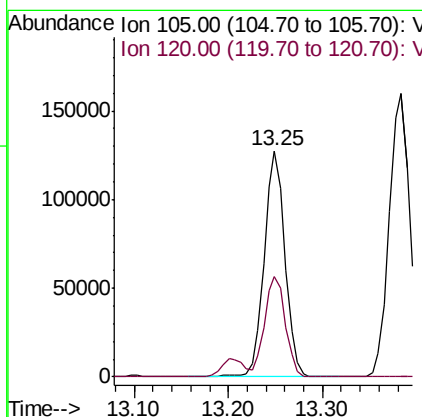
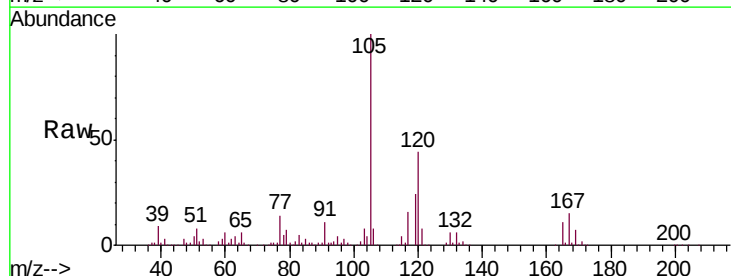
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

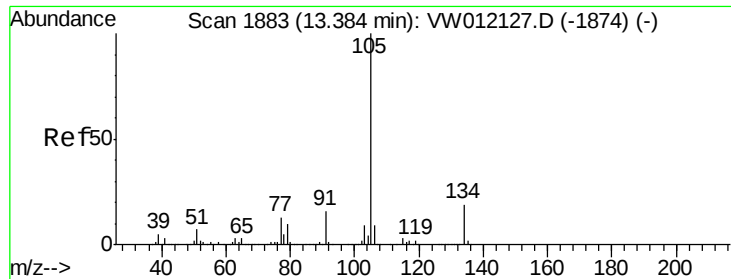
Tgt Ion:119 Resp: 175375
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.8 104.3
 134 26.1 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.713 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion:105 Resp: 198266
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.079 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

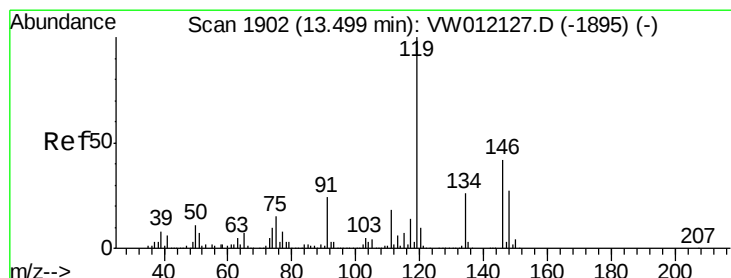
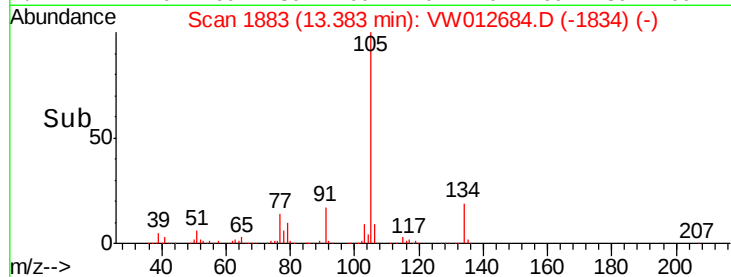
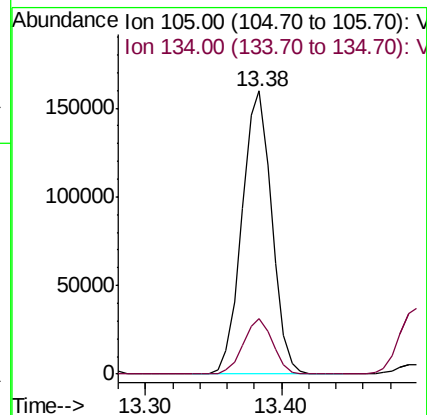
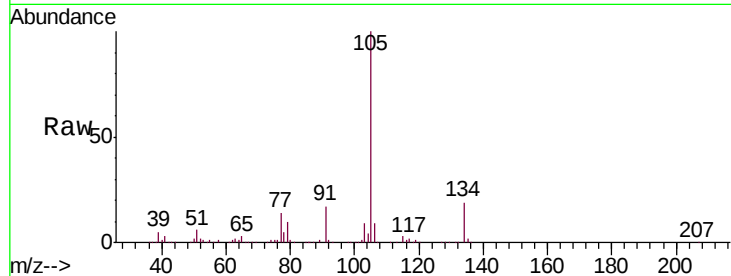
VW0906SBS01

Tgt Ion:105 Resp: 243976

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 20.519 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

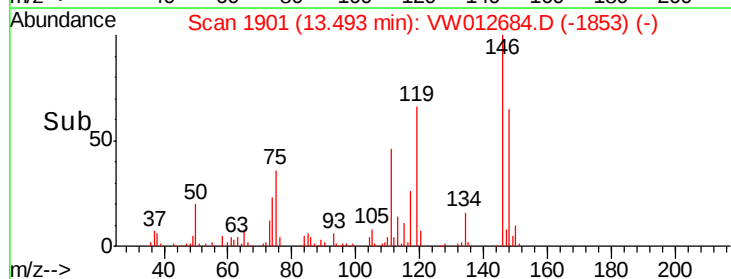
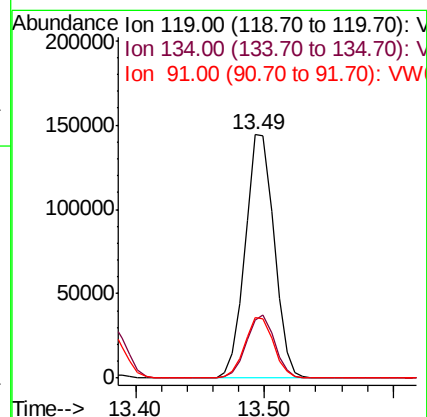
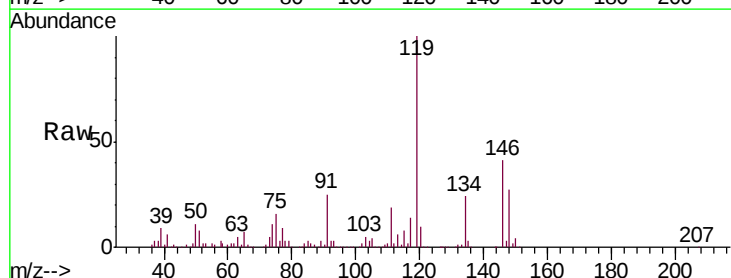
Tgt Ion:119 Resp: 222660

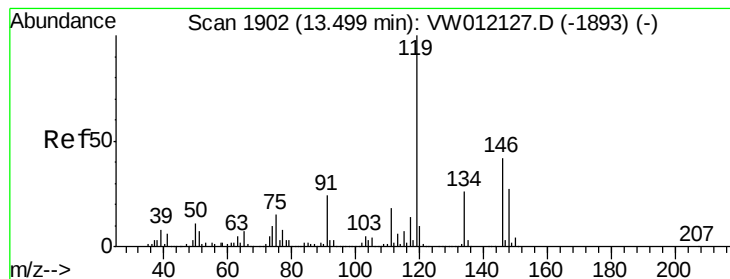
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 24.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.235 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

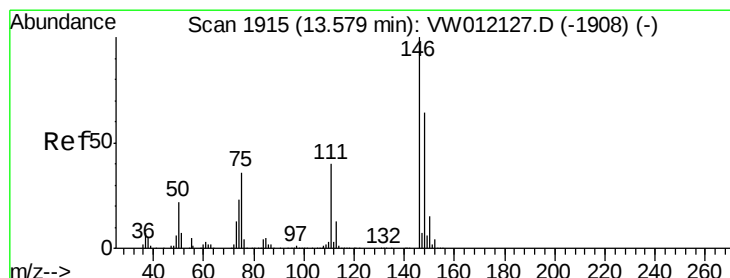
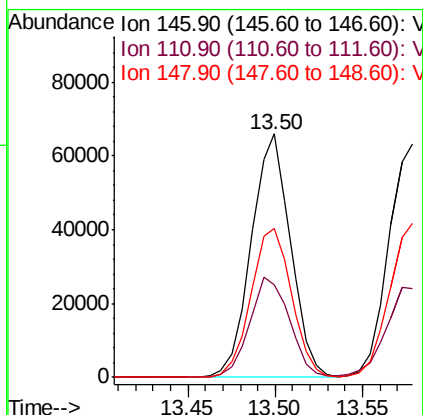
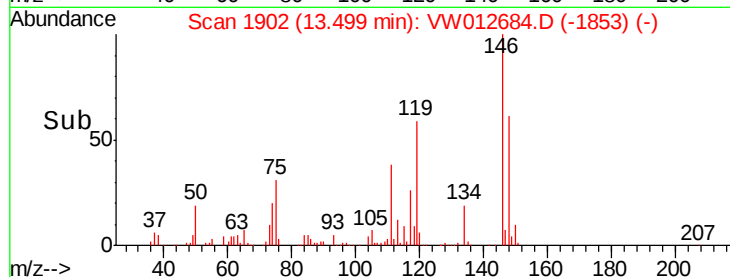
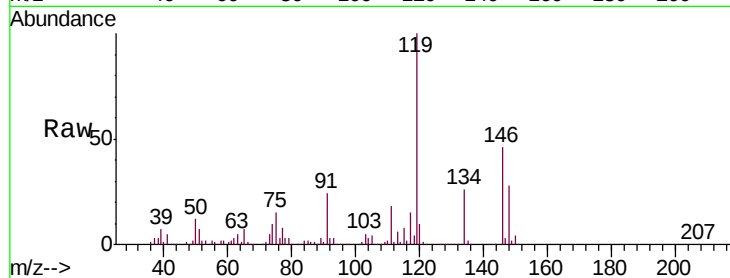
Tgt Ion:146 Resp: 102595

Ion Ratio Lower Upper

146 100

111 42.0 20.9 62.7

148 63.7 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 20.502 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

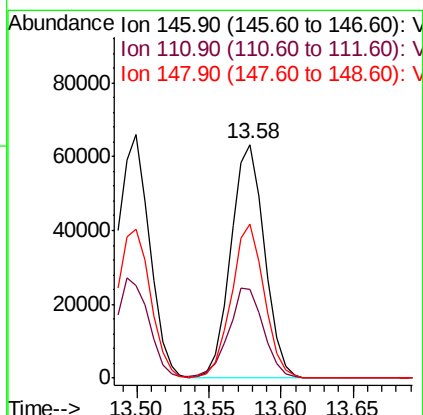
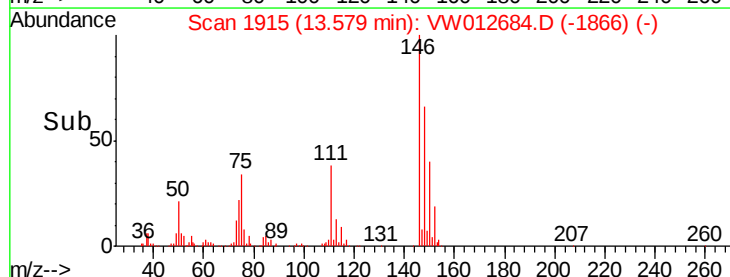
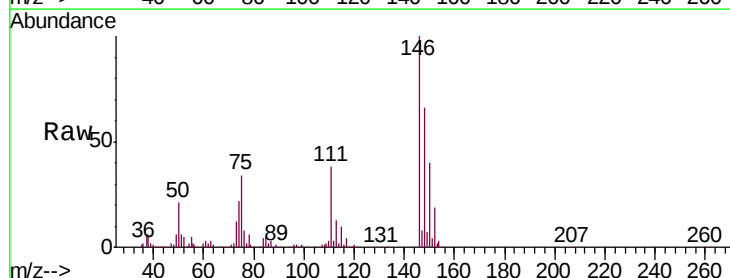
Tgt Ion:146 Resp: 103215

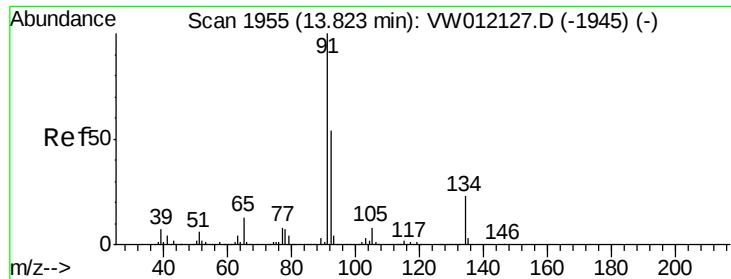
Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 19.815 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012684.D

Acq: 06 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS01

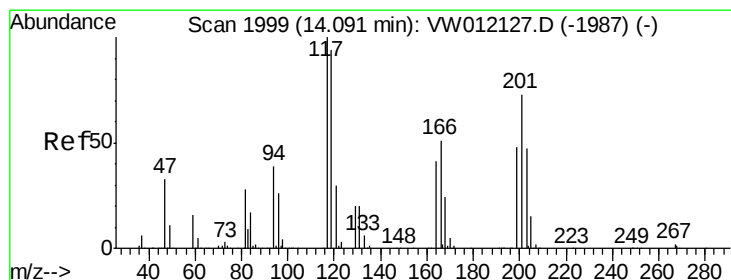
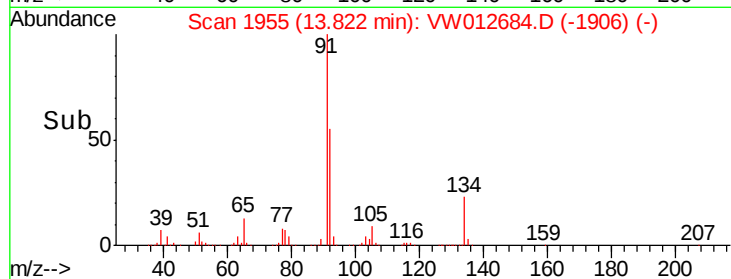
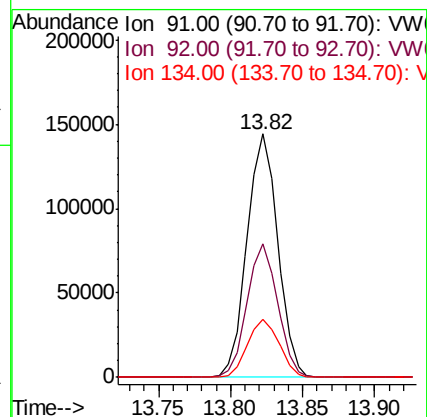
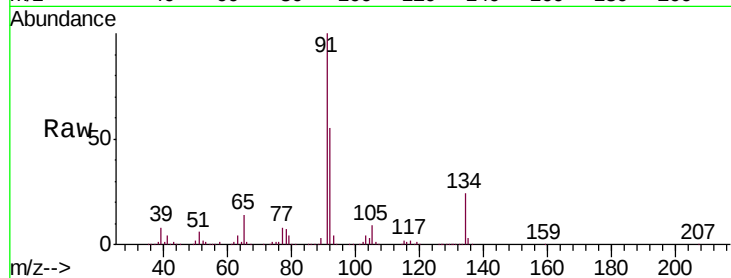
Tgt Ion: 91 Resp: 213830

Ion Ratio Lower Upper

91 100

92 54.3 27.1 81.2

134 24.5 12.2 36.4



#90

Hexachloroethane

Concen: 19.120 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012684.D

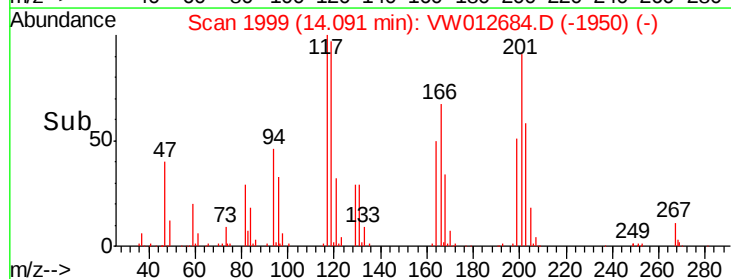
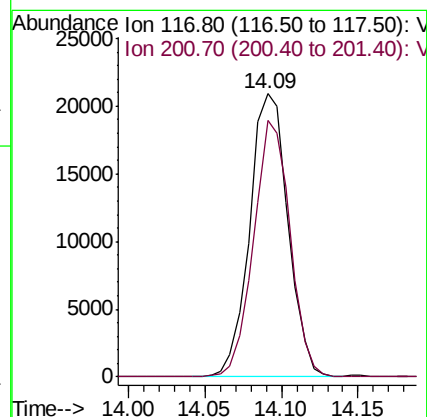
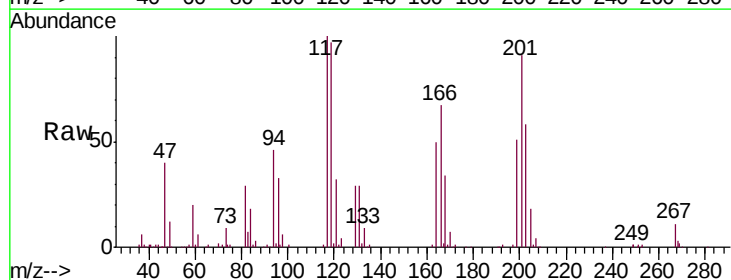
Acq: 06 Sep 2019 12:06

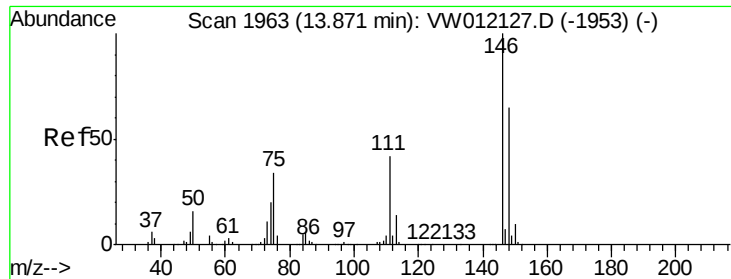
Tgt Ion: 117 Resp: 36401

Ion Ratio Lower Upper

117 100

201 86.4 38.6 115.7

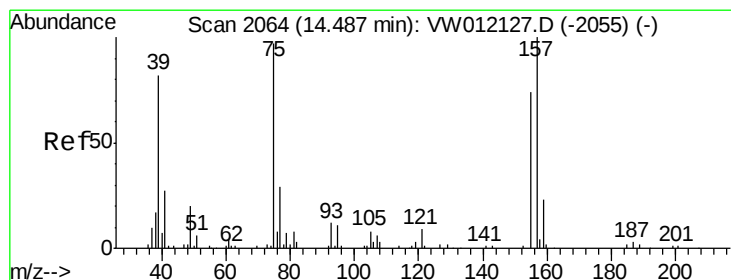
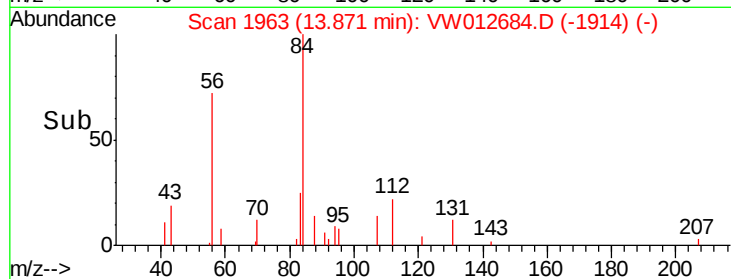
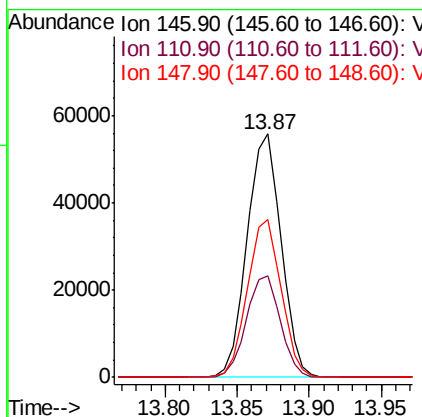
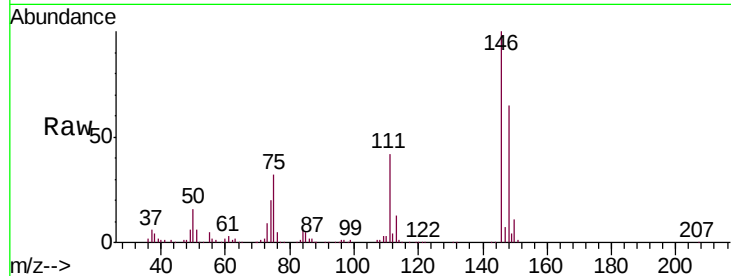




#91
 1,2-Dichlorobenzene
 Concen: 20.565 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

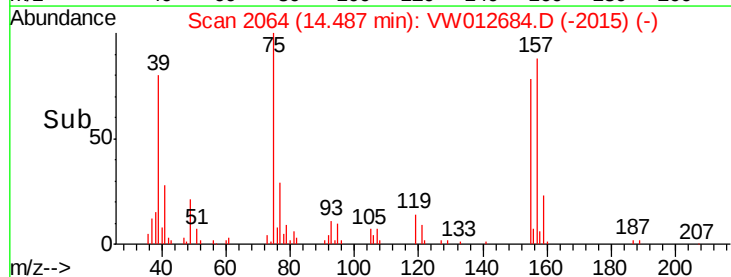
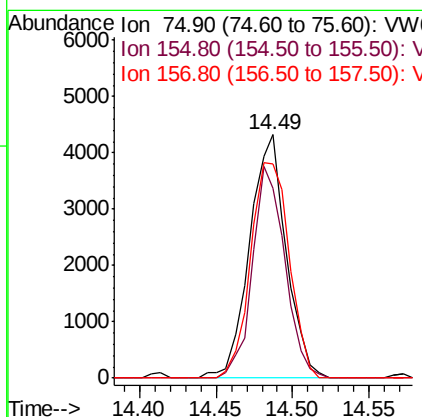
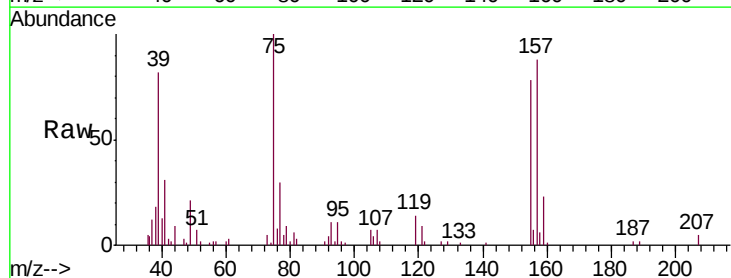
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

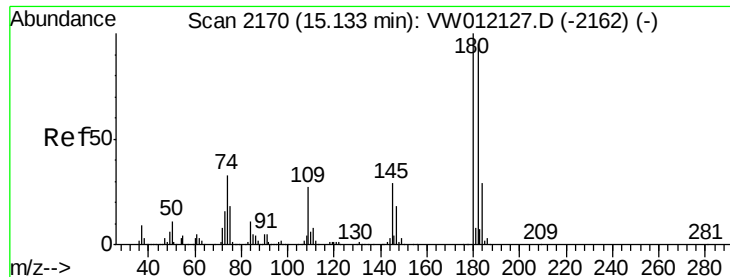
Tgt Ion: 146 Resp: 91473
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.2 63.6
 148 64.1 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.483 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion: 75 Resp: 7215
 Ion Ratio Lower Upper
 75 100
 155 77.0 37.5 112.3
 157 93.3 50.5 151.5

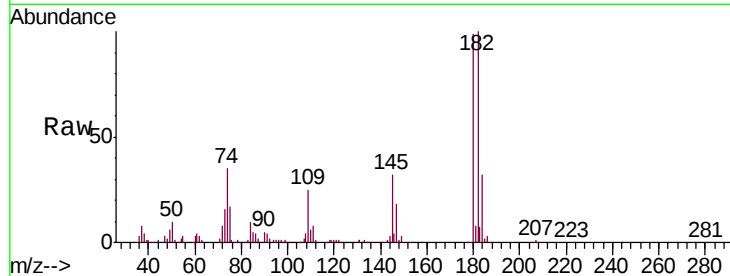




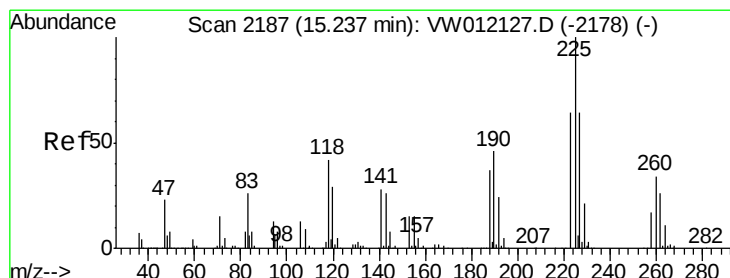
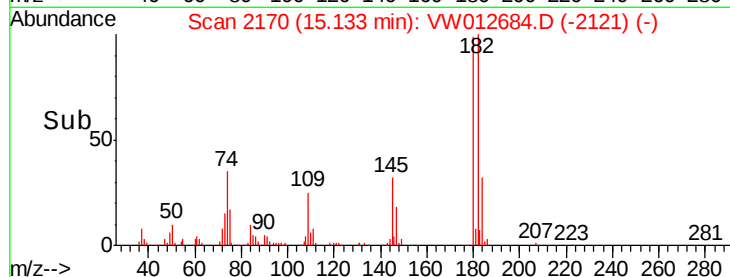
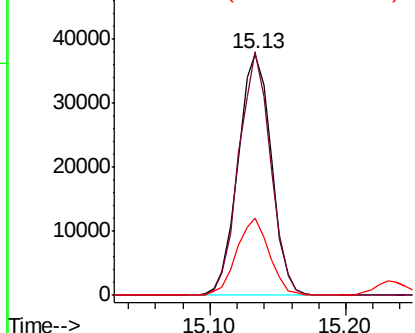
#93
 1,2,4-Trichlorobenzene
 Concen: 20.983 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	64497		
182	96.1	47.8	143.4	
145	31.3	15.0	45.1	

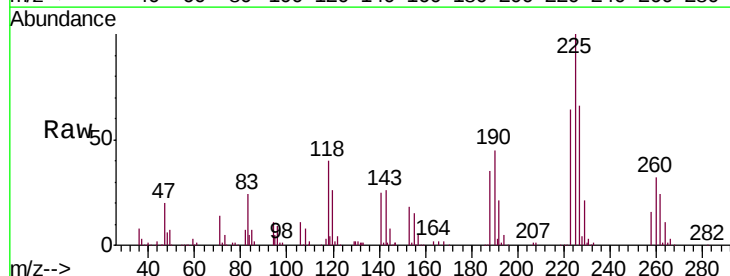


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

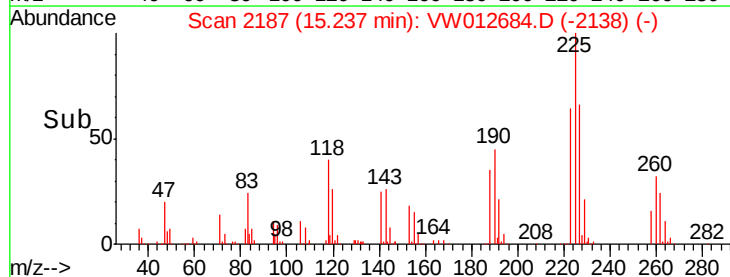
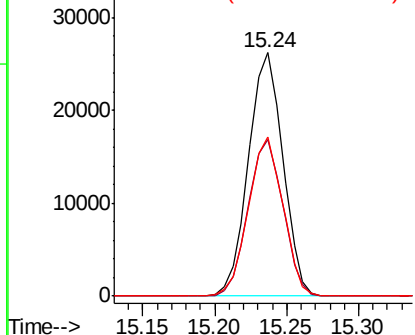


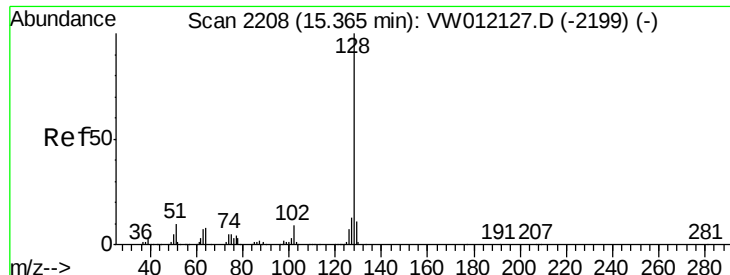
#94
 Hexachlorobutadiene
 Concen: 21.382 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012684.D
 Acq: 06 Sep 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43398		
223	65.1	32.3	96.8	
227	65.2	32.9	98.6	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

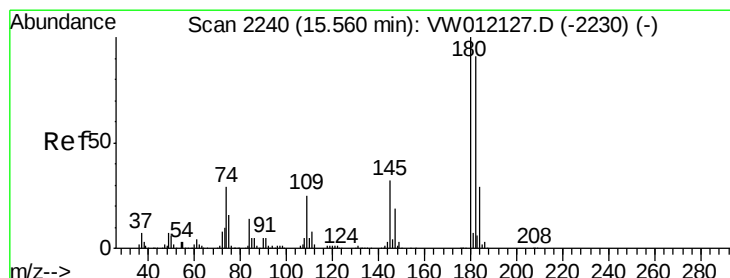
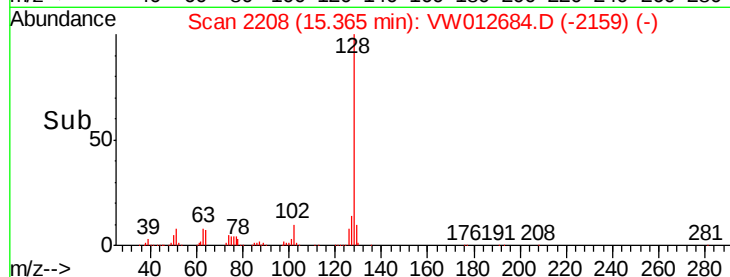
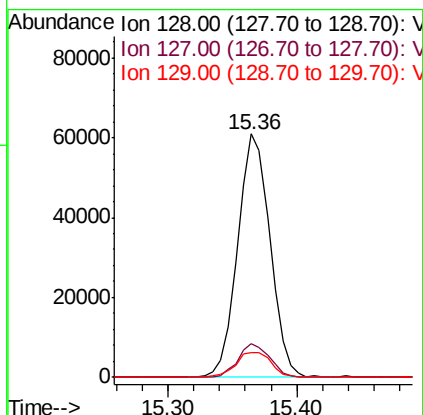
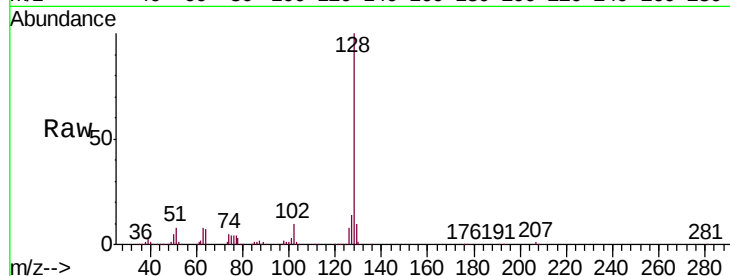




#95
Naphthalene
Concen: 20.361 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS01

Tgt Ion:128 Resp: 105903
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.050 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012684.D
Acq: 06 Sep 2019 12:06

Tgt Ion:180 Resp: 56452
Ion Ratio Lower Upper
180 100
182 95.8 47.1 141.3
145 31.9 16.2 48.5

