

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011203.D
 Acq On : 10 Jul 2019 21:50
 Operator : SY/VA
 Sample : K3733-02MS
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Quant Time: Jul 11 08:08:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	155074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83247	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	106987	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	82092	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.32	98	315528	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.62	95	99712	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	51409	44.450	ug/l	99
3) Chloromethane	2.21	50	72946	48.948	ug/l	96
4) Vinyl Chloride	2.35	62	98211	50.350	ug/l	97
5) Bromomethane	2.76	94	47422	48.383	ug/l	92
6) Chloroethane	2.91	64	53425	50.851	ug/l	98
7) Trichlorofluoromethane	3.25	101	29877	43.116	ug/l	98
8) Diethyl Ether	3.67	74	51506	53.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	81422	49.055	ug/l	99
10) Methyl Iodide	4.27	142	98774	43.268	ug/l	99
11) Tert butyl alcohol	5.17	59	40179	278.508	ug/l	98
12) 1,1-Dichloroethene	4.03	96	88302	51.257	ug/l	99
13) Acrolein	3.89	56	3524	30.676	ug/l	95
14) Allyl chloride	4.66	41	146953	46.779	ug/l	98
15) Acrylonitrile	5.36	53	135400	277.289	ug/l	99
16) Acetone	4.12	43	153282	326.934	ug/l	99
17) Carbon Disulfide	4.38	76	254989	48.823	ug/l	100
18) Methyl Acetate	4.66	43	136200	92.892	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	146505	56.048	ug/l	99
20) Methylene Chloride	4.91	84	97585	52.761	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	90852	50.754	ug/l	98
22) Diisopropyl ether	6.31	45	355292	52.584	ug/l	96
23) Vinyl Acetate	6.25	43	400113	95.686	ug/l	99
24) 1,1-Dichloroethane	6.21	63	184748	52.071	ug/l	99
25) 2-Butanone	7.17	43	223449	303.614	ug/l	100
26) 2,2-Dichloropropane	7.16	77	83331	45.183	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	99133	51.338	ug/l	99
28) Bromochloromethane	7.51	49	78961	48.944	ug/l	98
29) Tetrahydrofuran	7.52	42	140465	291.072	ug/l	100
30) Chloroform	7.67	83	170562	51.908	ug/l	99
31) Cyclohexane	7.95	56	165203	43.767	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	125645	50.268	ug/l	98
36) 1,1-Dichloropropene	8.08	75	134917	48.336	ug/l	99
37) Ethyl Acetate	7.24	43	83417	49.740	ug/l	100
38) Carbon Tetrachloride	8.07	117	67219	28.408	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	120082	35.494	ug/l	100
40) Benzene	8.32	78	382431	49.576	ug/l	98
41) Methacrylonitrile	7.48	41	51150	53.327	ug/l	96
42) 1,2-Dichloroethane	8.40	62	130750	52.251	ug/l	100
43) Isopropyl Acetate	8.42	43	160954	50.834	ug/l	99
44) Trichloroethene	9.09	130	98718	53.180	ug/l	100
45) 1,2-Dichloropropane	9.37	63	106028	50.758	ug/l	98
46) Dibromomethane	9.46	93	51006	51.980	ug/l	99
47) Bromodichloromethane	9.64	83	120259	47.898	ug/l	99
48) Methyl methacrylate	9.43	41	89428	58.707	ug/l	97
49) 1,4-Dioxane	9.45	88	18787	1147.013	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	470655	284.560	ug/l	99
52) Toluene	10.38	92	226279	48.357	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118506	44.342	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	135807	43.172	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72842	52.326	ug/l	98
56) Ethyl methacrylate	10.65	69	107602	50.770	ug/l	99
57) 1,3-Dichloropropane	10.93	76	136505	51.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	275655	280.548	ug/l	99
59) 2-Hexanone	10.97	43	325286	283.589	ug/l	99
60) Dibromochloromethane	11.13	129	72899	47.755	ug/l	98
61) 1,2-Dibromoethane	11.23	107	69000	52.327	ug/l	98
64) Tetrachloroethene	10.86	164	92521	62.412	ug/l	97
65) Chlorobenzene	11.66	112	215938	48.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	75283	47.869	ug/l	99
67) Ethyl Benzene	11.73	91	411359	48.109	ug/l	99
68) m/p-Xylenes	11.84	106	293389	94.826	ug/l	100
69) o-Xylene	12.16	106	139599	47.872	ug/l	98
70) Styrene	12.18	104	222682	44.247	ug/l	99
71) Bromoform	12.35	173	39542	47.290	ug/l #	99
73) Isopropylbenzene	12.46	105	352466	56.639	ug/l	100
74) N-amyl acetate	12.27	43	67493	31.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	89392	70.077	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	109151	113.460	ug/l #	100
77) Bromobenzene	12.74	156	82126	58.806	ug/l	100
78) n-propylbenzene	12.80	91	399104	52.062	ug/l	100
79) 2-Chlorotoluene	12.89	91	239393	54.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	273407	51.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	20523	48.251	ug/l	96
82) 4-Chlorotoluene	12.99	91	243187	52.928	ug/l	100
83) tert-Butylbenzene	13.21	119	218116	49.469	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	280341	52.809	ug/l	98
85) sec-Butylbenzene	13.38	105	273712	43.022	ug/l	100
86) p-Isopropyltoluene	13.50	119	248723	43.587	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	128462	47.809	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	130487	48.226	ug/l	99
89) n-Butylbenzene	13.82	91	200291	35.185	ug/l	100
90) Hexachloroethane	14.10	117	12081	11.586	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	120812	49.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14727	65.087	ug/l	100

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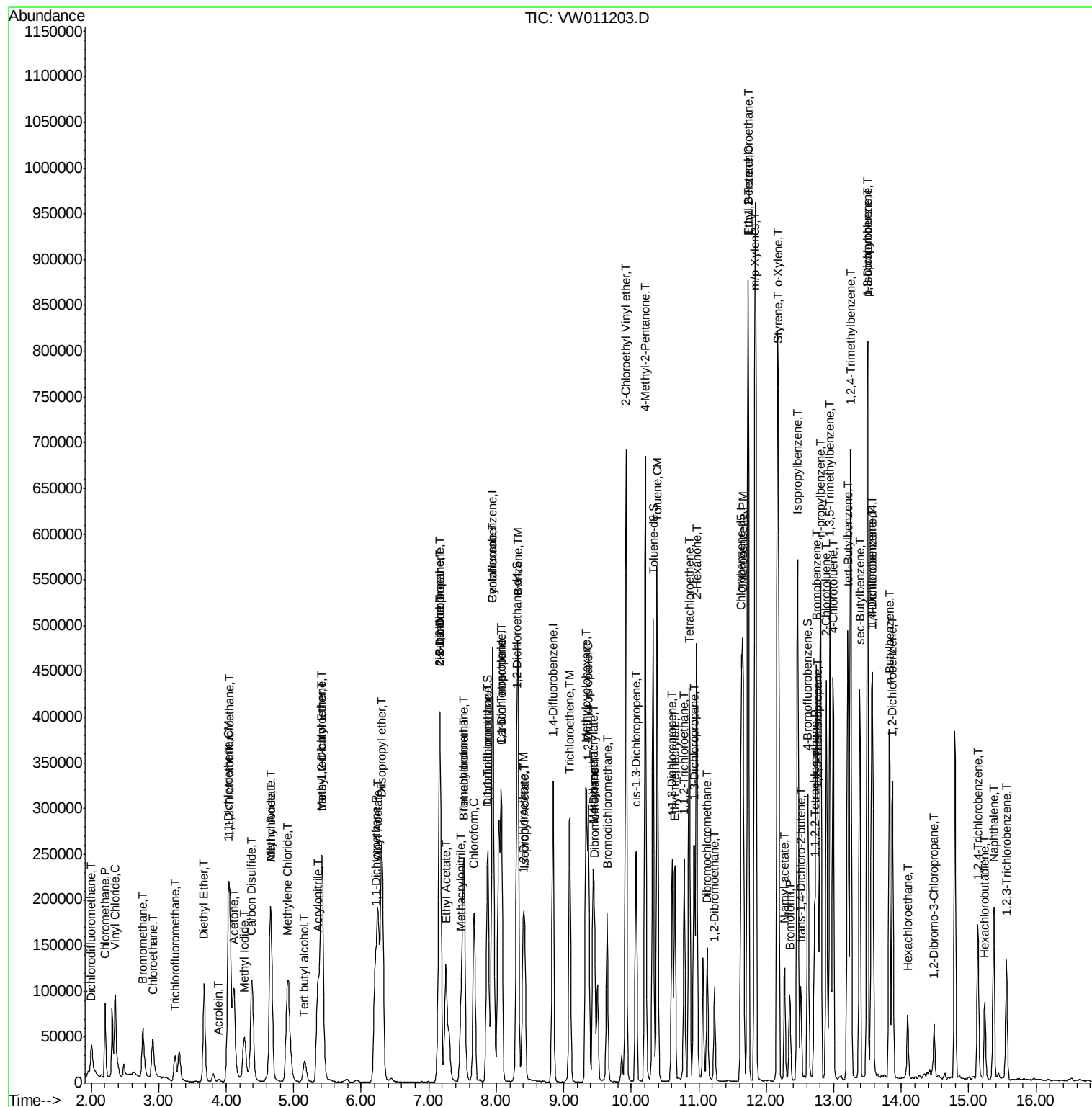
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	49733	29.621	ug/l	96
94) Hexachlorobutadiene	15.24	225	15842	15.369	ug/l	99
95) Naphthalene	15.37	128	154243	47.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	43766	29.536	ug/l	99

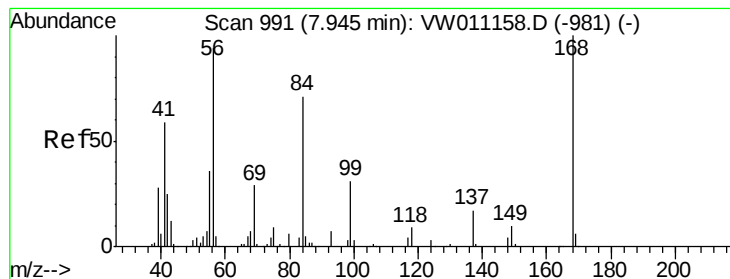
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

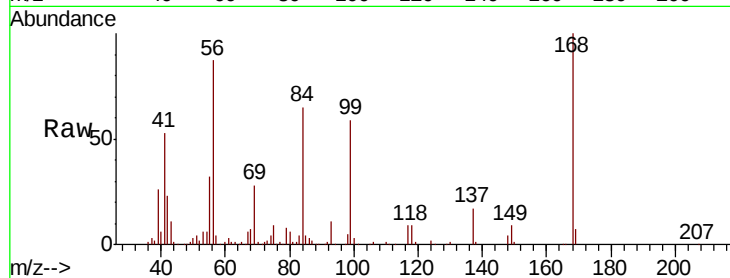
KY030LC068-SD-190709MS

Tot Ion:168 Resp: 155074

Ion Ratio Lower Upper

168 100

99 58.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

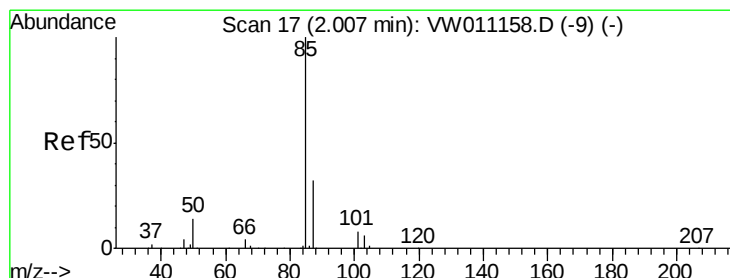
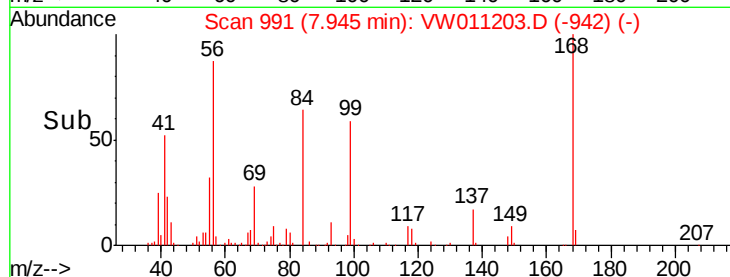
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 44.450 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011203.D

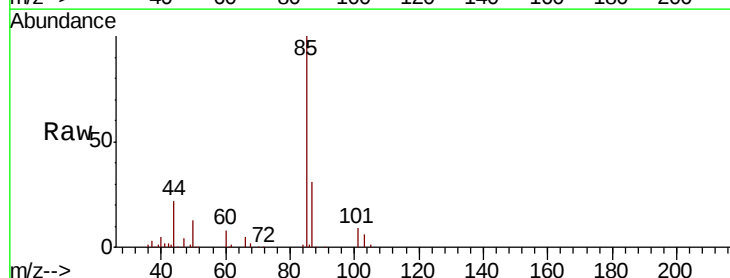
Acq: 10 Jul 2019 21:50

Tgt Ion: 85 Resp: 51409

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

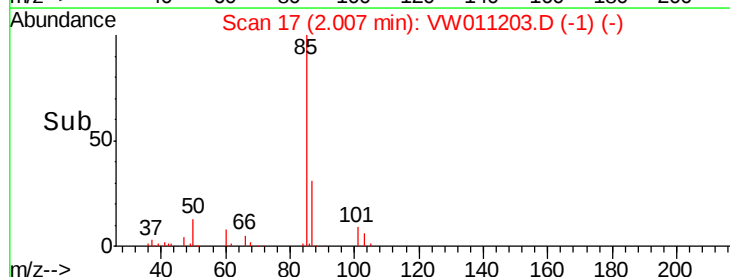
15000

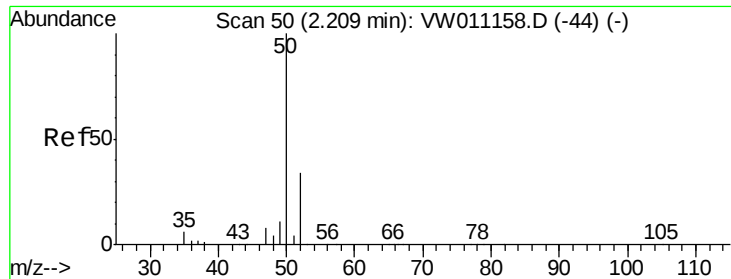
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 48.948 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

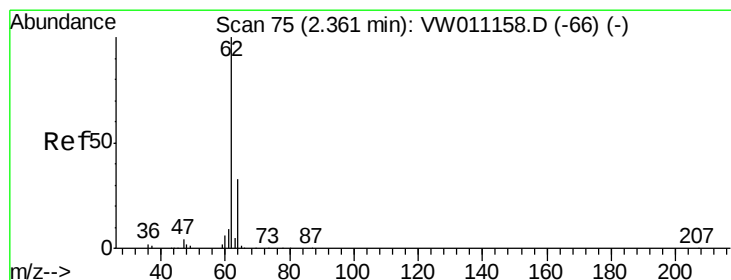
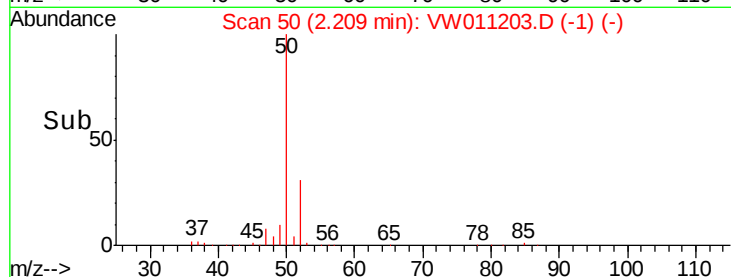
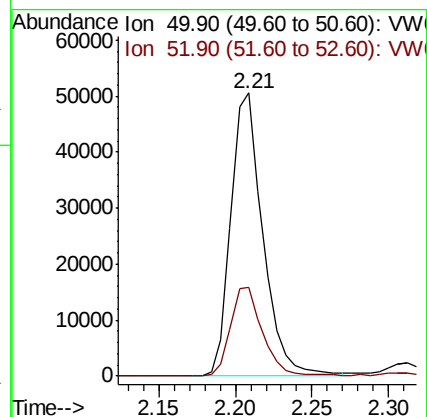
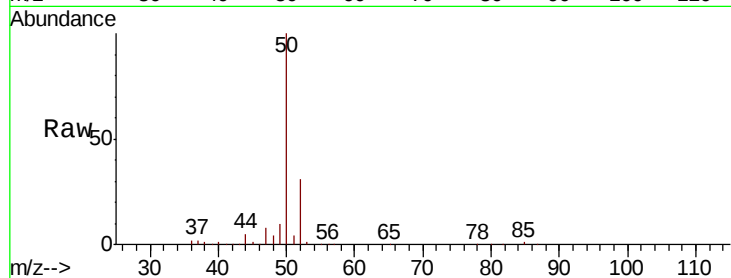
KY030LC068-SD-190709MS

Tot Ion: 50 Resp: 72946

Ion Ratio Lower Upper

50 100

52 31.5 26.9 40.3



#4

Vinyl Chloride

Concen: 50.350 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011203.D

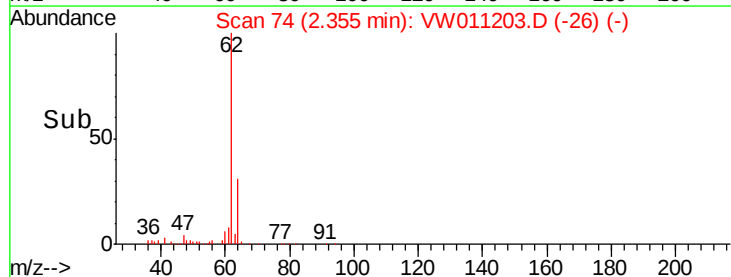
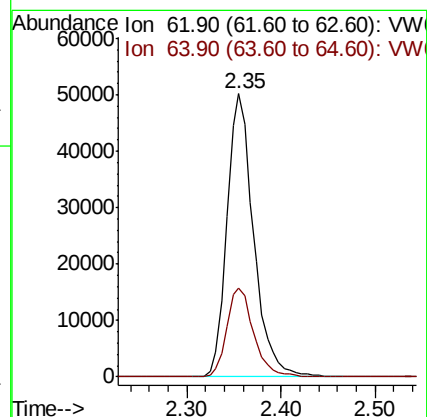
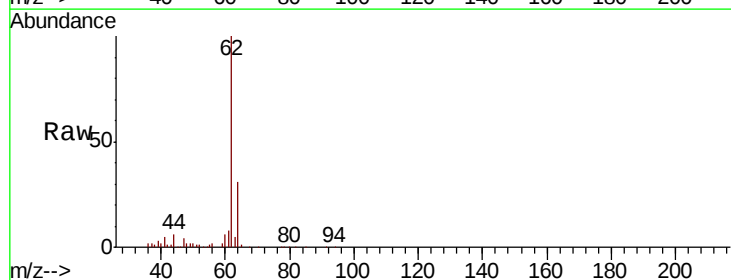
Acq: 10 Jul 2019 21:50

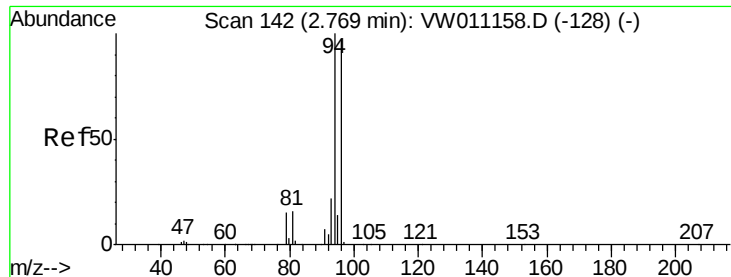
Tgt Ion: 62 Resp: 98211

Ion Ratio Lower Upper

62 100

64 31.4 26.6 40.0





#5

Bromomethane

Concen: 48.383 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

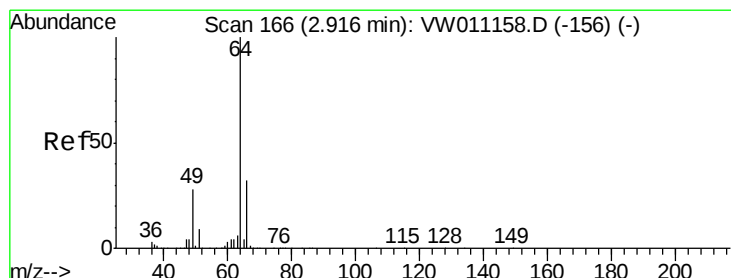
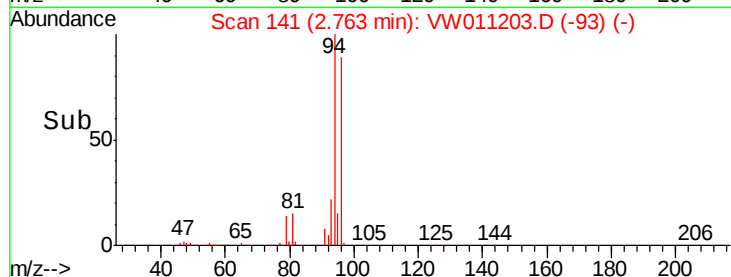
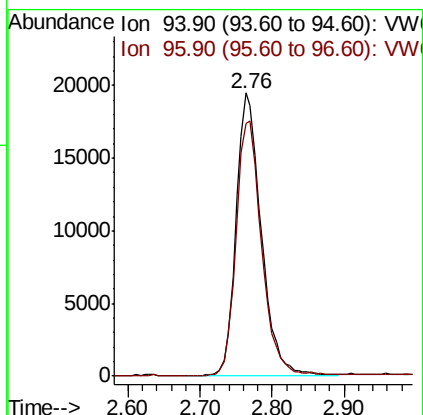
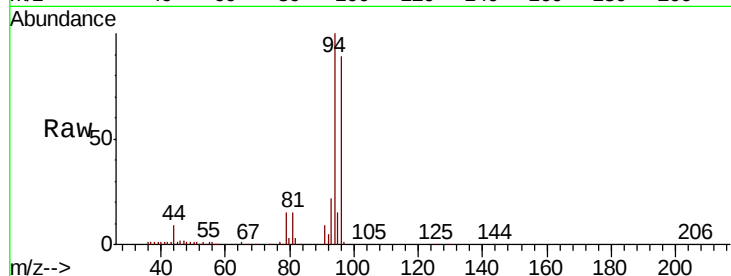
KY030LC068-SD-190709MS

Tot Ion: 94 Resp: 47422

Ion Ratio Lower Upper

94 100

96 89.2 77.4 116.0



#6

Chloroethane

Concen: 50.851 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011203.D

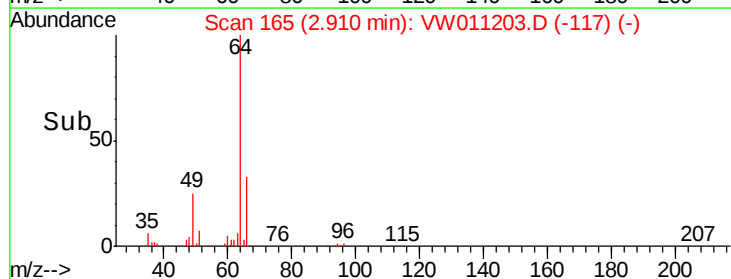
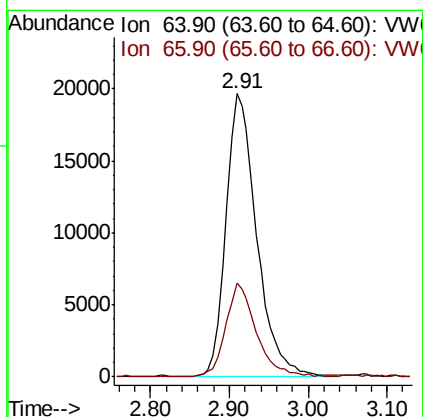
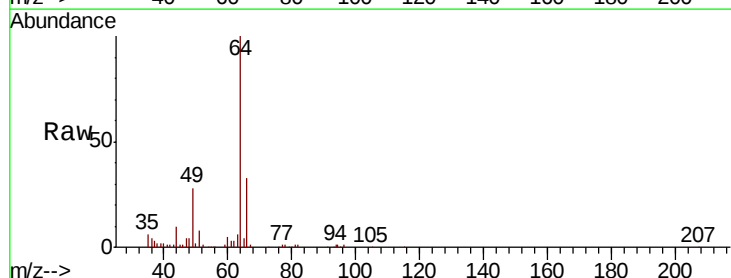
Acq: 10 Jul 2019 21:50

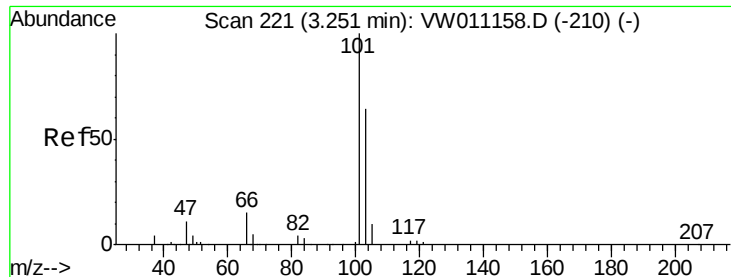
Tgt Ion: 64 Resp: 53425

Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.8



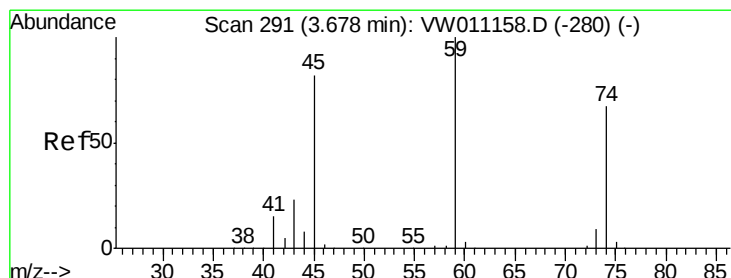
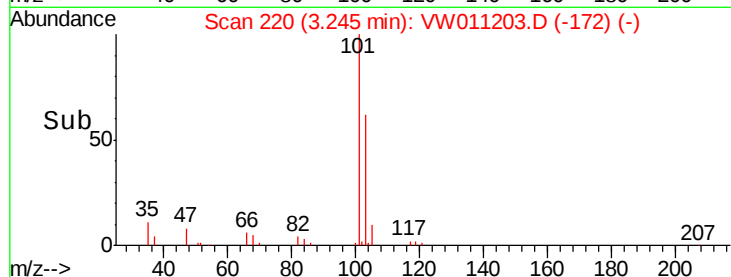
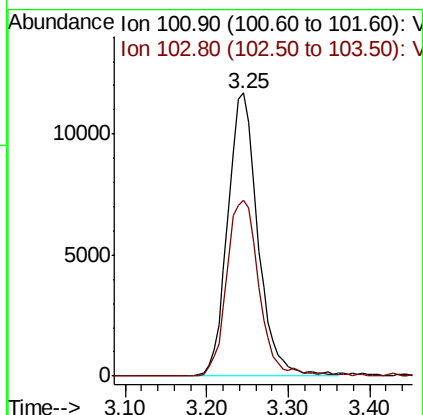
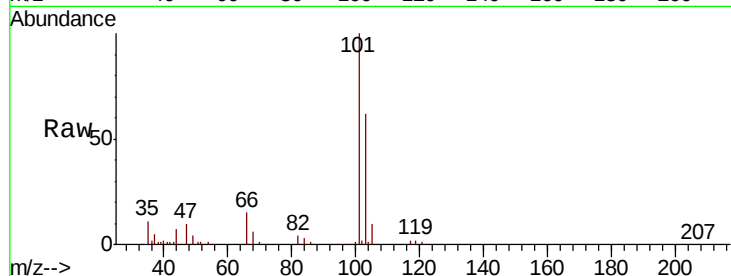


#7

Trichlorofluoromethane
 Concen: 43.116 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011203.D
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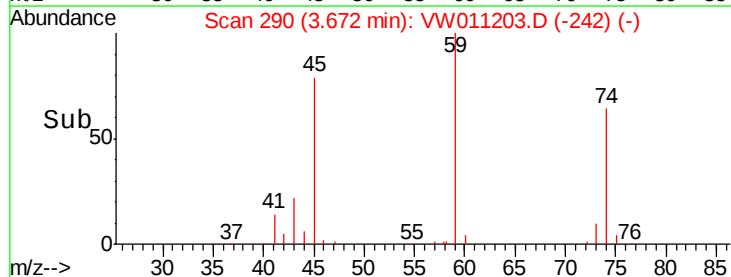
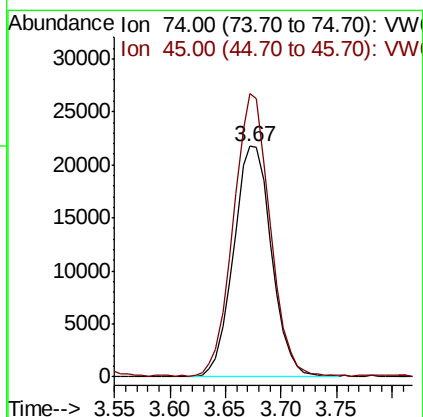
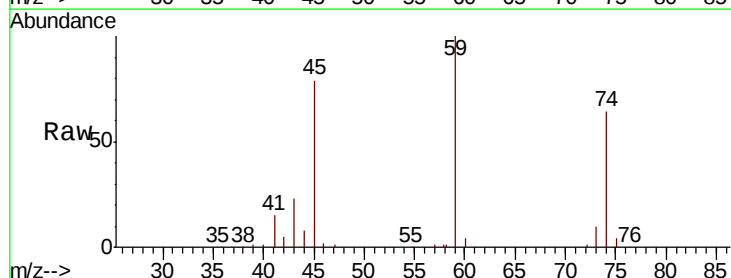
Tot Ion:101 Resp: 29877
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.3 76.9



#8

Diethyl Ether
 Concen: 53.720 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 74 Resp: 51506
 Ion Ratio Lower Upper
 74 100
 45 118.4 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.055 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

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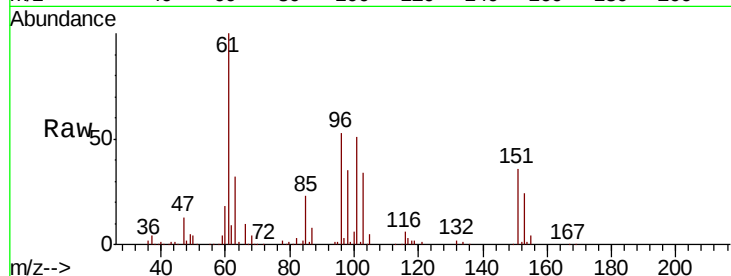
Tot Ion:101 Resp: 81422

Ion Ratio Lower Upper

101 100

85 46.4 36.5 54.7

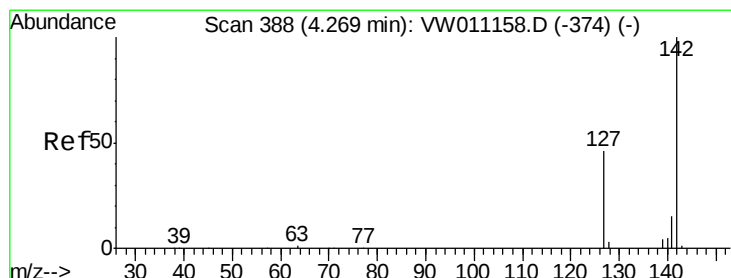
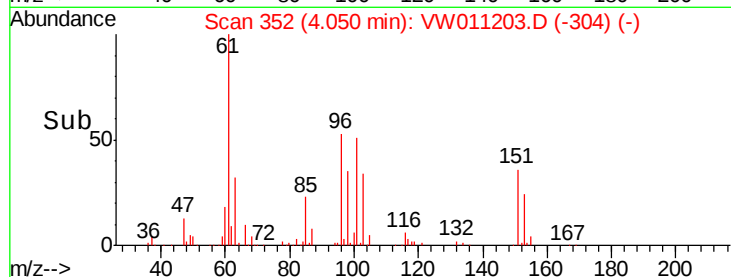
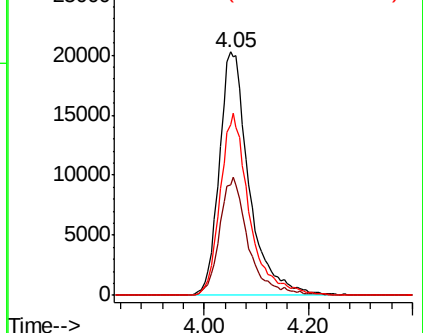
151 73.0 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.268 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

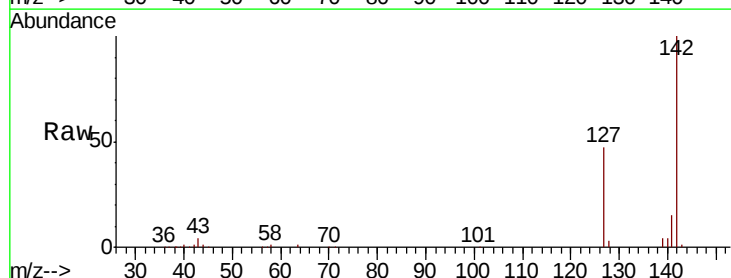
Tgt Ion:142 Resp: 98774

Ion Ratio Lower Upper

142 100

127 45.3 35.7 53.5

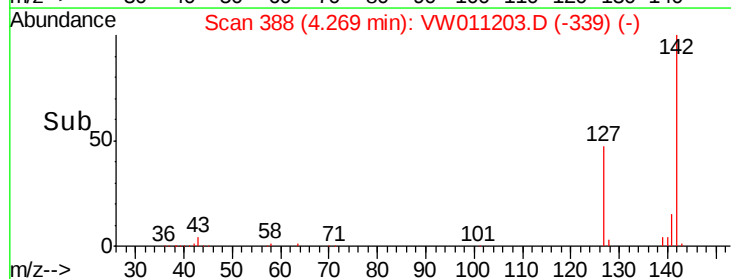
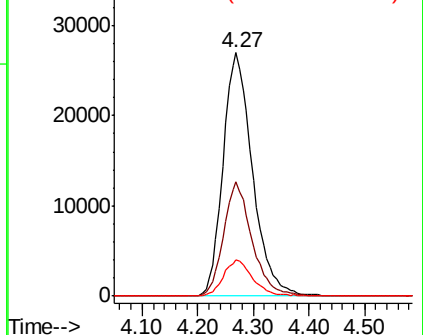
141 14.8 11.5 17.3

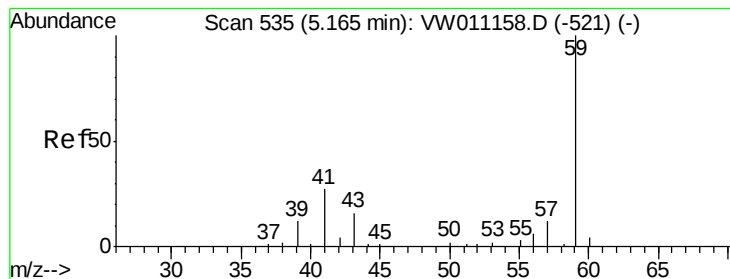


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



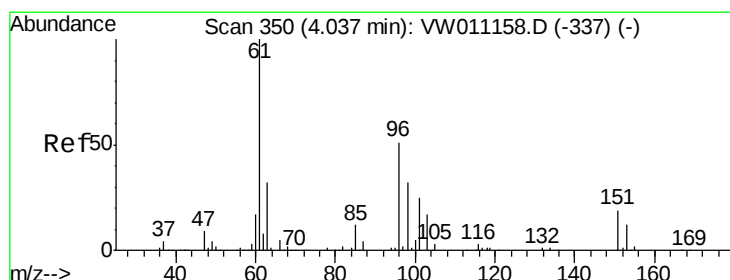
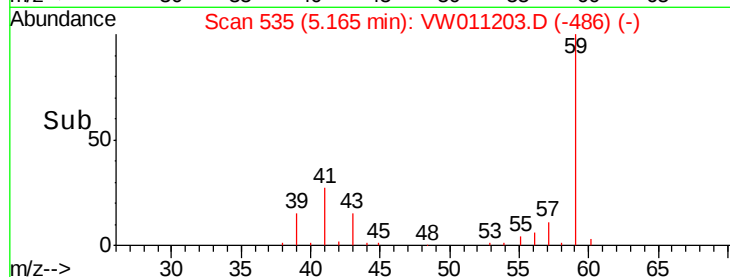
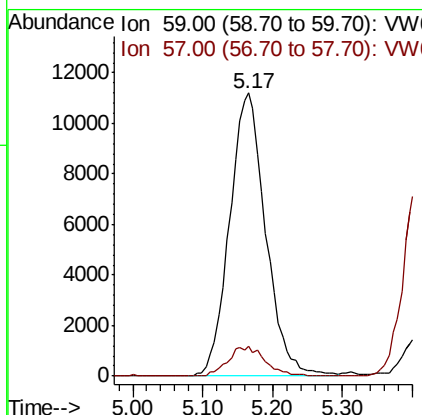
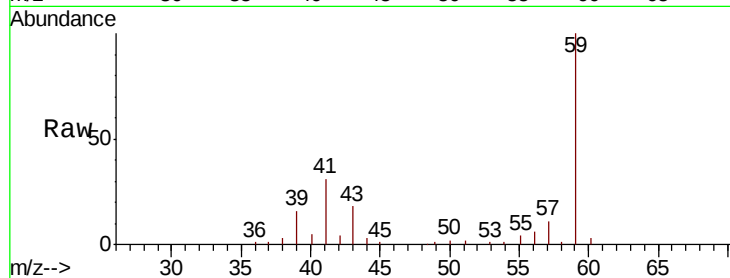


#11

Tert butyl alcohol
 Concen: 278.508 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

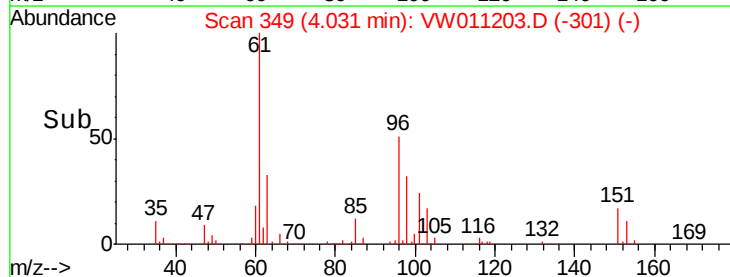
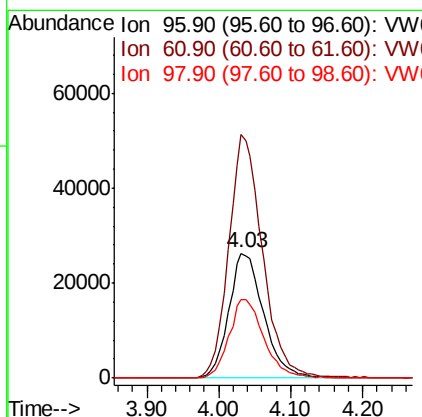
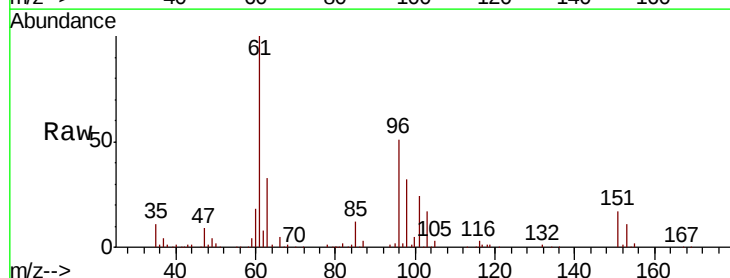
Tot Ion: 59 Resp: 40179
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

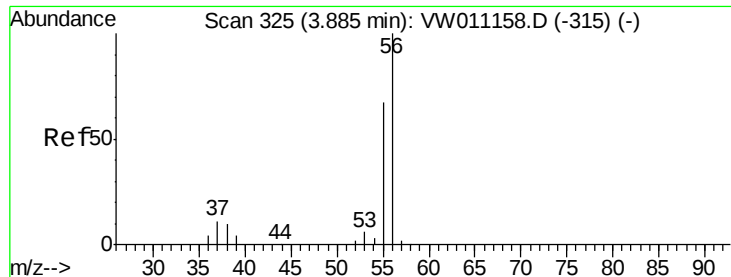


#12

1,1-Dichloroethene
 Concen: 51.257 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 96 Resp: 88302
 Ion Ratio Lower Upper
 96 100
 61 195.3 157.7 236.5
 98 63.2 50.9 76.3





#13

Acrolein

Concen: 30.676 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

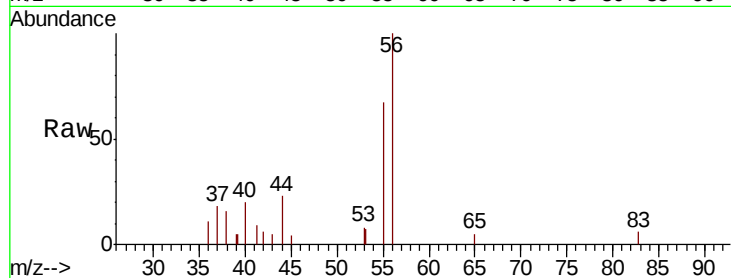
KY030LC068-SD-190709MS

Tot Ion: 56 Resp: 3524

Ion Ratio Lower Upper

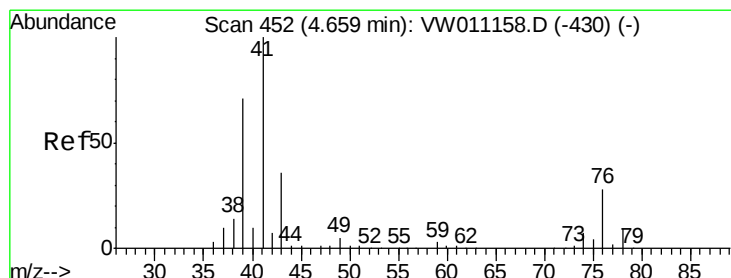
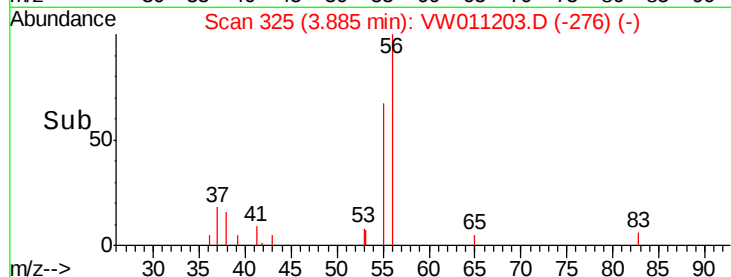
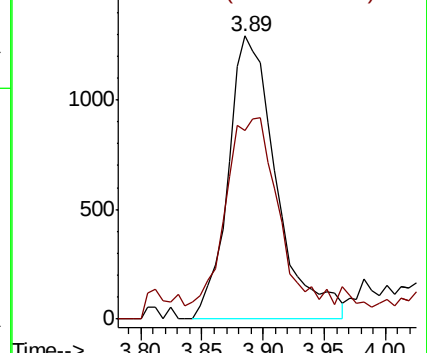
56 100

55 74.7 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 46.779 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

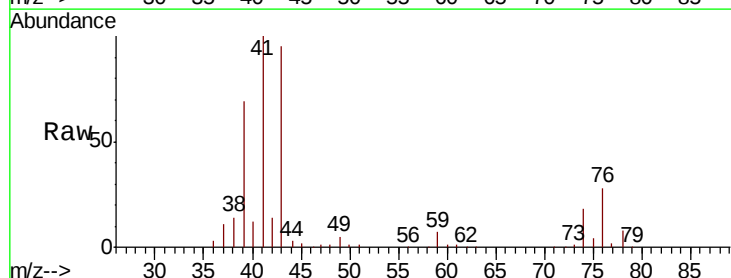
Tgt Ion: 41 Resp: 146953

Ion Ratio Lower Upper

41 100

39 68.2 55.1 82.7

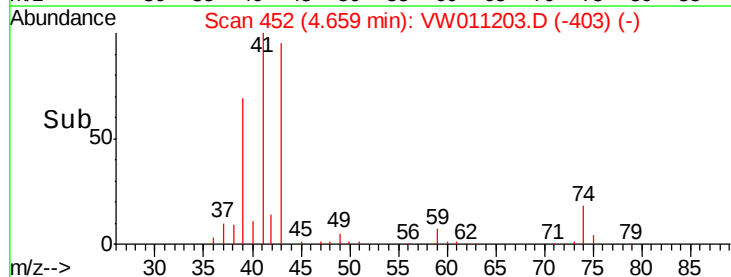
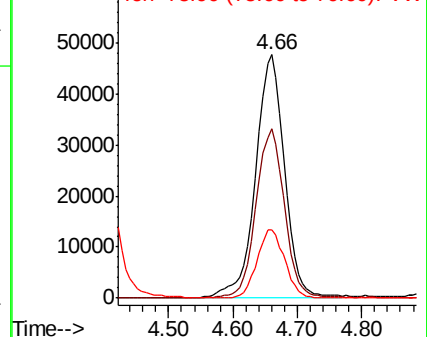
76 26.4 22.5 33.7

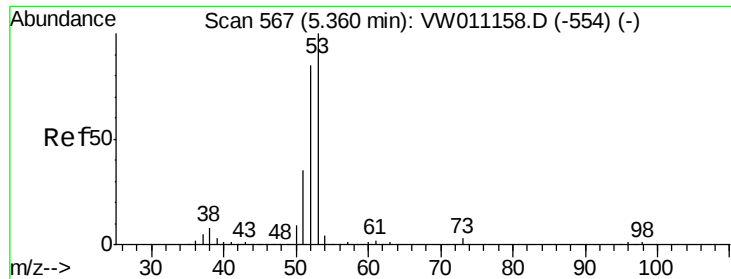


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 277.289 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

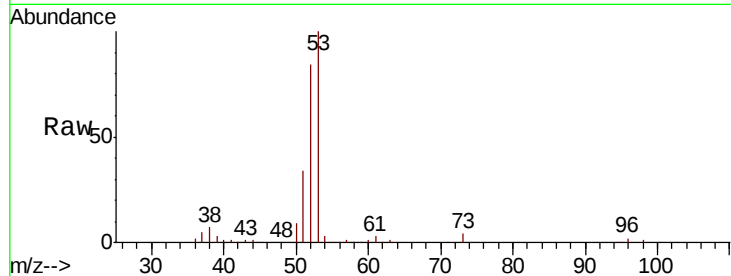
Tot Ion: 53 Resp: 135400

Ion Ratio Lower Upper

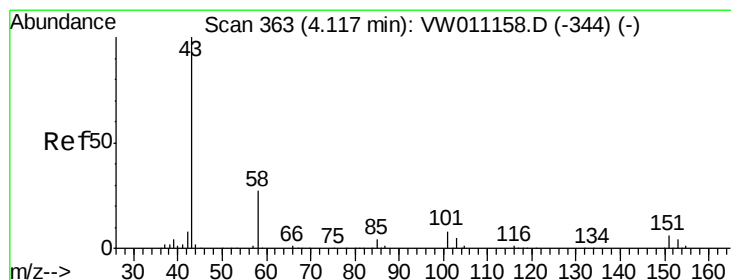
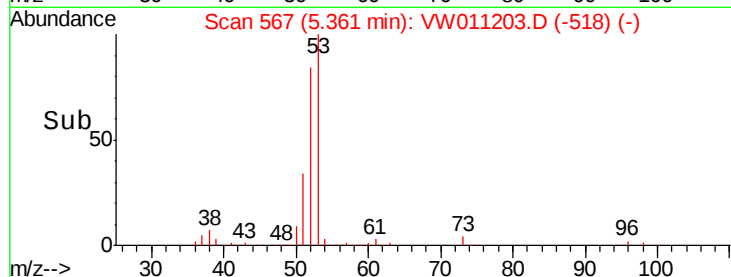
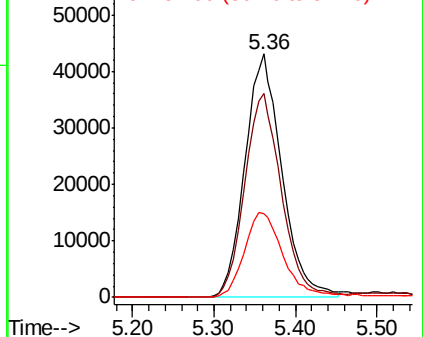
53 100

52 83.5 66.2 99.4

51 37.2 29.1 43.7



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



#16

Acetone

Concen: 326.934 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011203.D

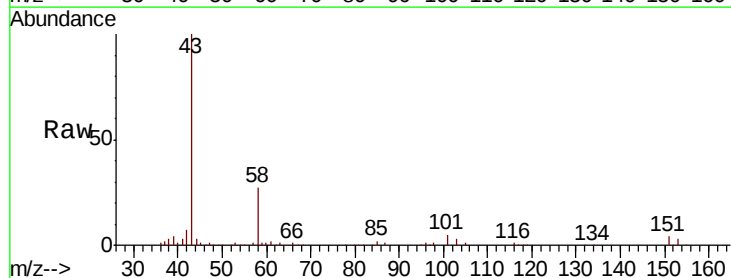
Acq: 10 Jul 2019 21:50

Tgt Ion: 43 Resp: 153282

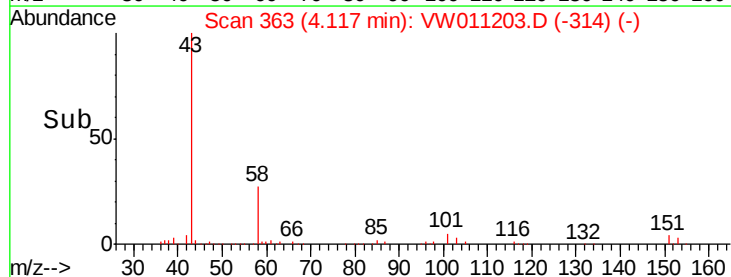
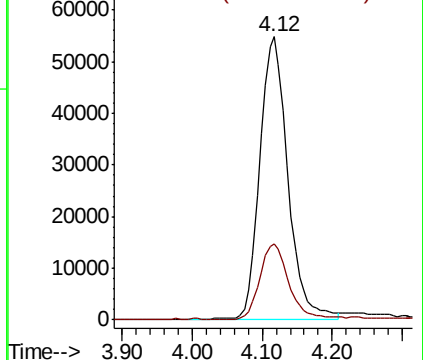
Ion Ratio Lower Upper

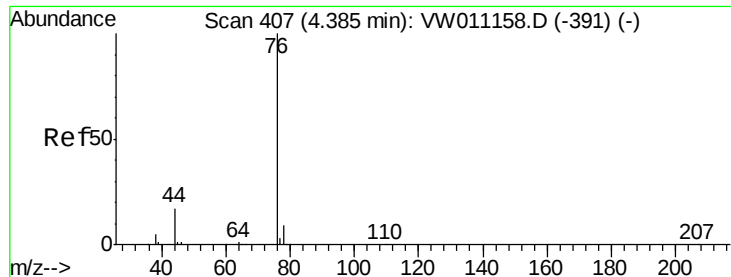
43 100

58 26.7 21.8 32.6



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

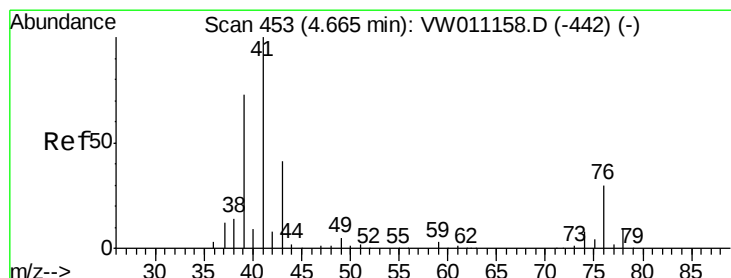
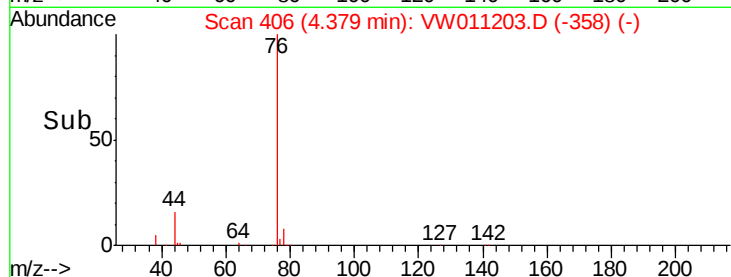
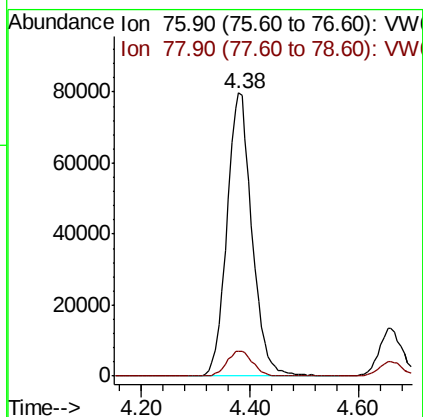
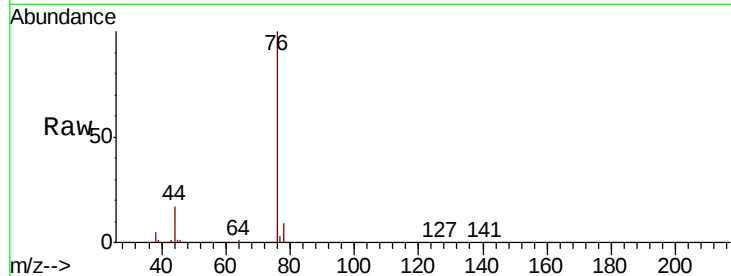




#17
Carbon Disulfide
Concen: 48.823 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

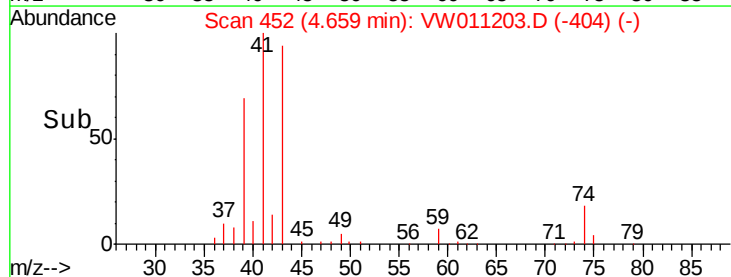
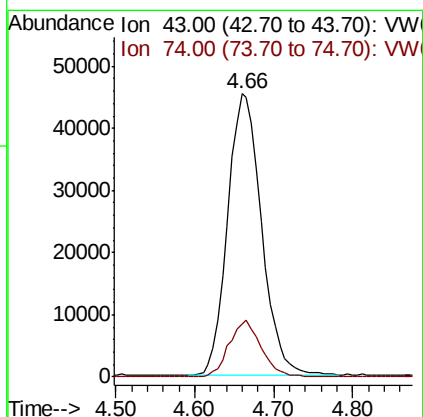
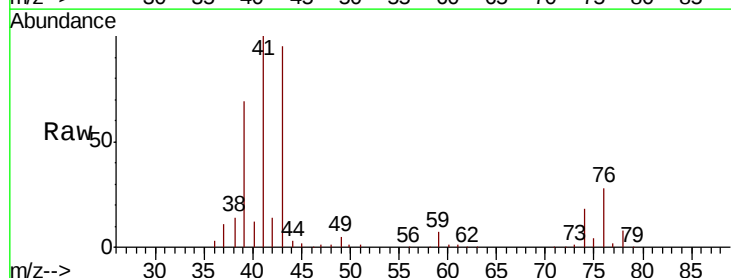
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

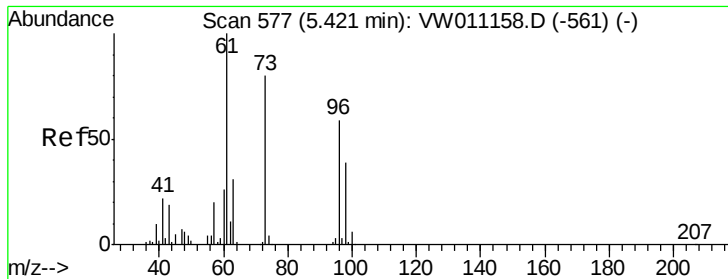
Tot Ion: 76 Resp: 254989
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 92.892 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 43 Resp: 136200
Ion Ratio Lower Upper
43 100
74 19.0 15.7 23.5

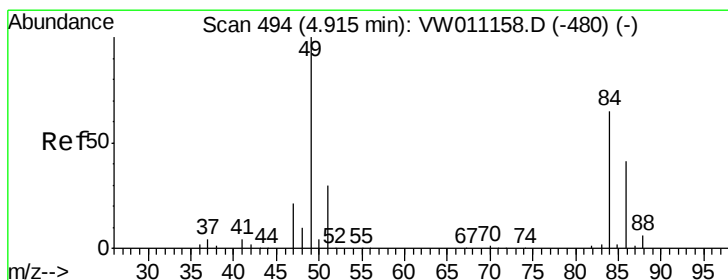
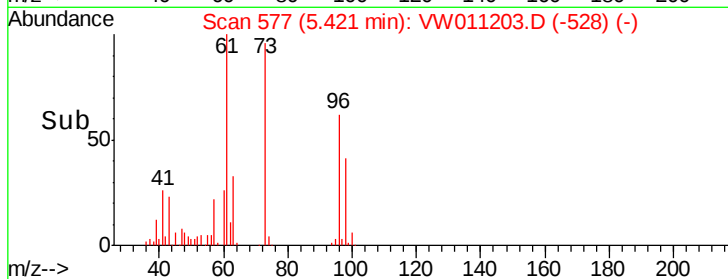
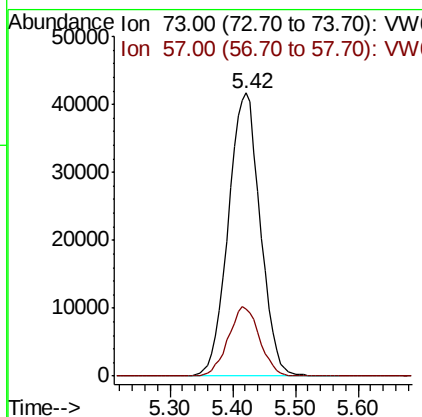
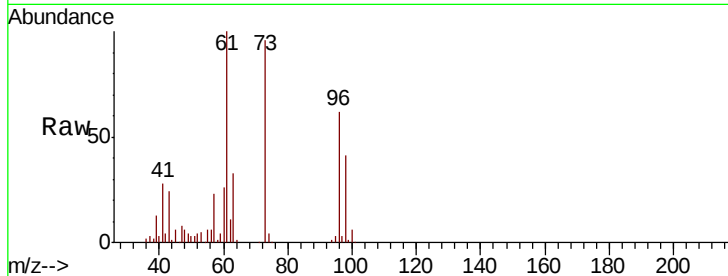




#19
Methyl tert-butyl Ether
Concen: 56.048 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

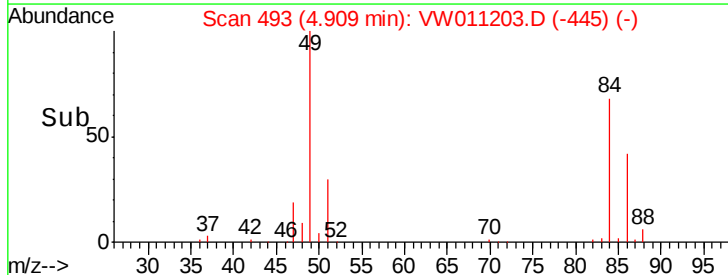
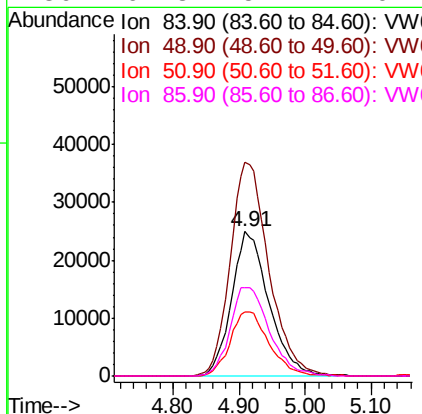
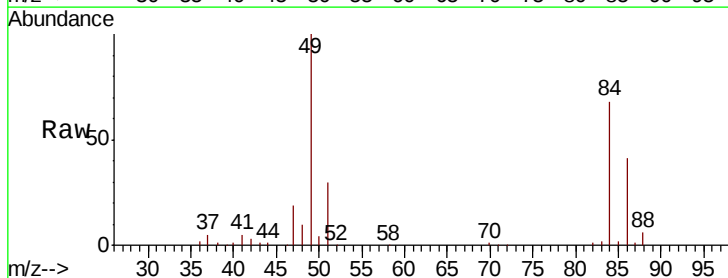
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

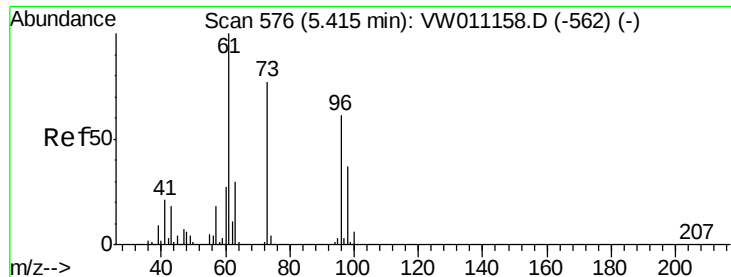
Tot Ion: 73 Resp: 146505
Ion Ratio Lower Upper
73 100
57 23.9 19.7 29.5



#20
Methylene Chloride
Concen: 52.761 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 84 Resp: 97585
Ion Ratio Lower Upper
84 100
49 148.0 123.8 185.6
51 44.5 37.4 56.2
86 61.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 50.754 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

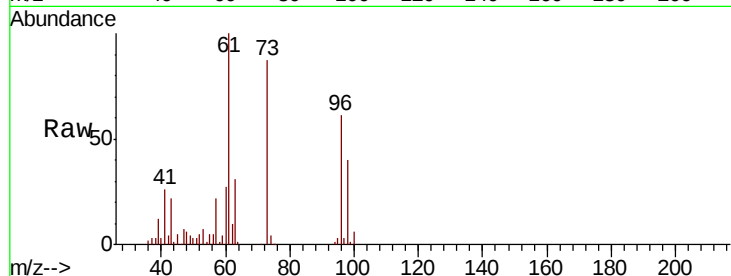
Tot Ion: 96 Resp: 90852

Ion Ratio Lower Upper

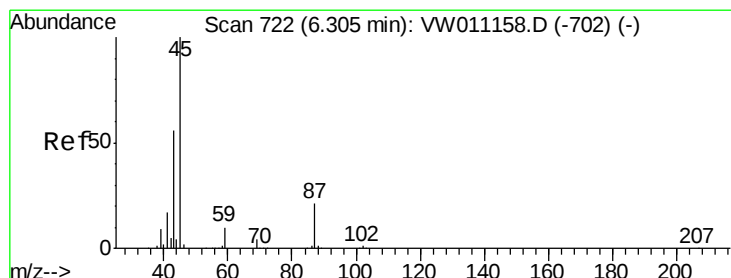
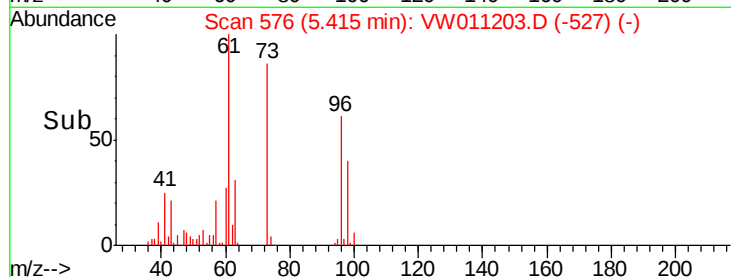
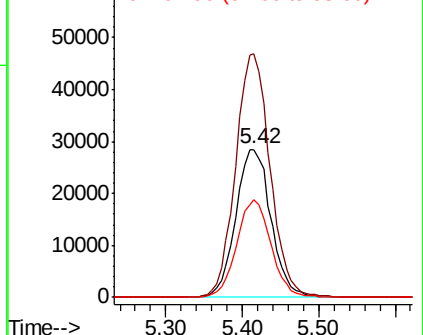
96 100

61 164.6 132.2 198.2

98 65.7 49.4 74.0



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: 52.584 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Tgt Ion: 45 Resp: 355292

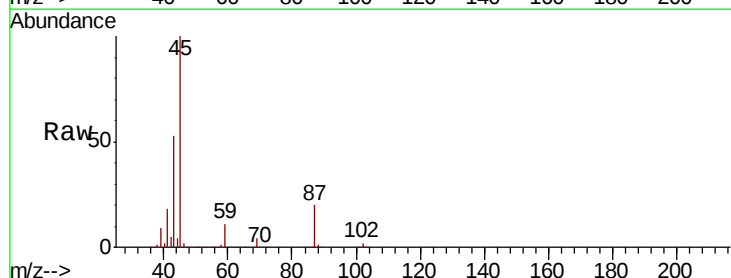
Ion Ratio Lower Upper

45 100

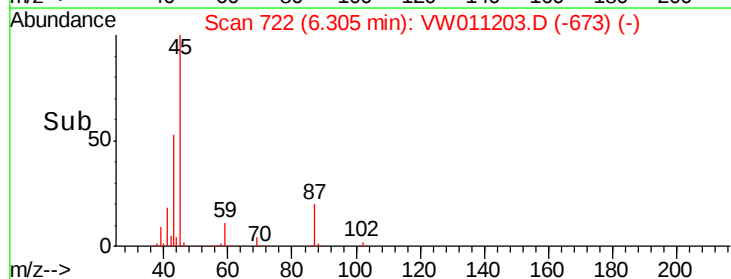
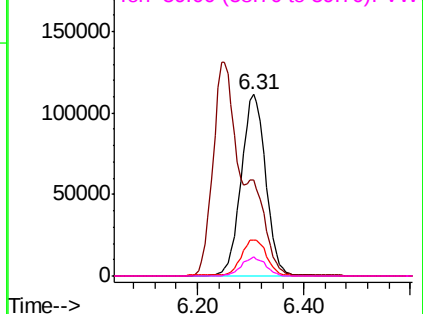
43 52.6 44.6 66.8

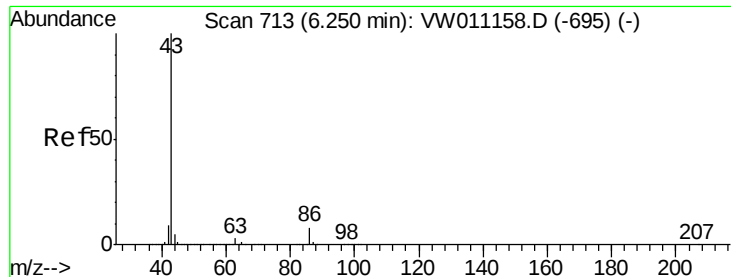
87 20.1 17.3 25.9

59 10.7 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: 95.686 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

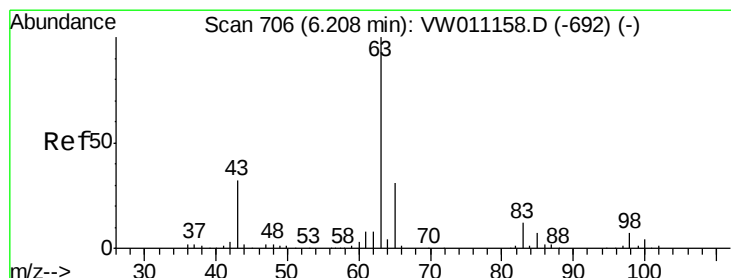
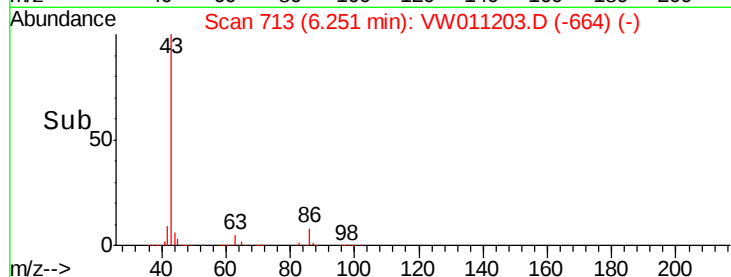
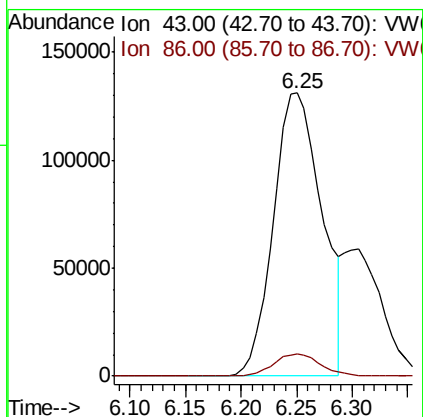
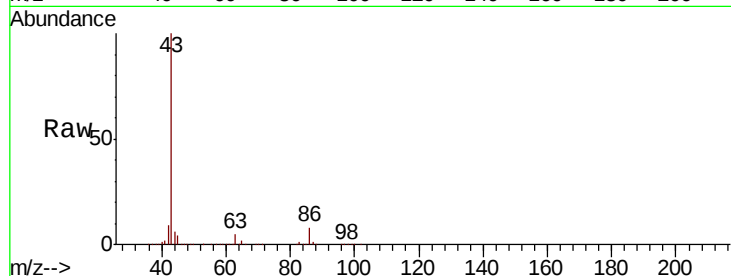
KY030LC068-SD-190709MS

Tot Ion: 43 Resp: 400113

Ion Ratio Lower Upper

43 100

86 7.8 6.5 9.7



#24

1,1-Dichloroethane

Concen: 52.071 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

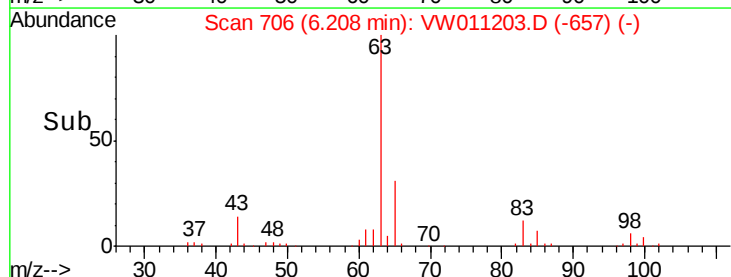
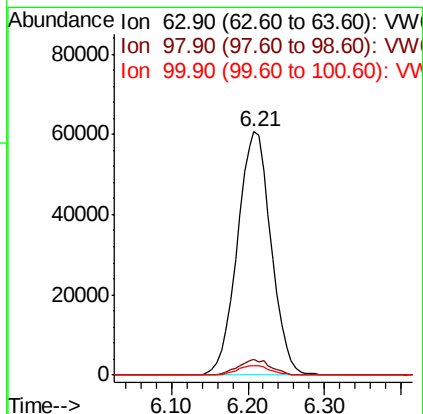
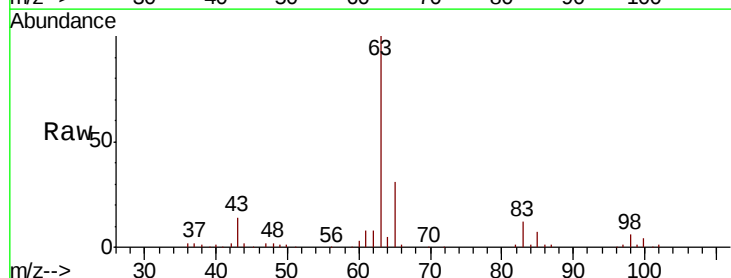
Tgt Ion: 63 Resp: 184748

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 303.614 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

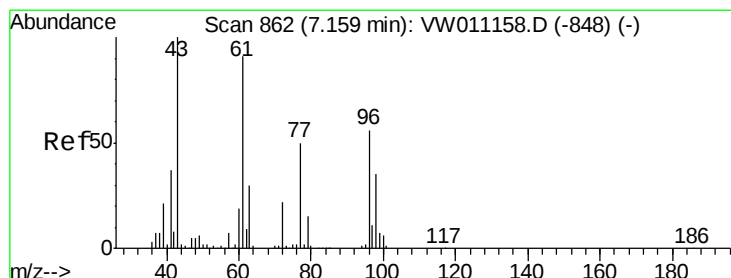
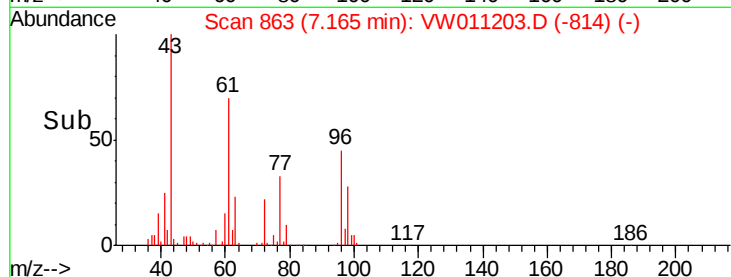
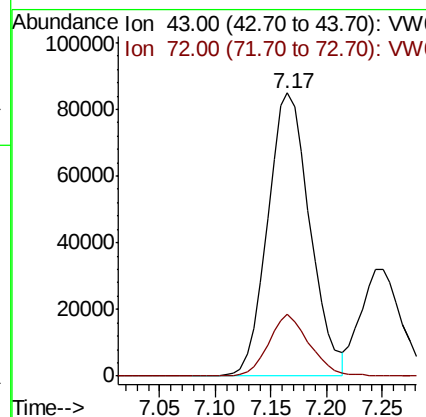
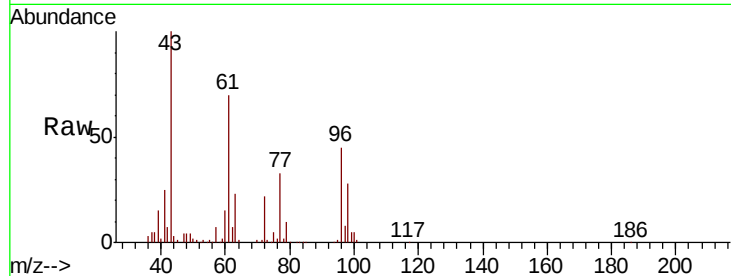
KY030LC068-SD-190709MS

Tot Ion: 43 Resp: 223449

Ion Ratio Lower Upper

43 100

72 22.1 17.6 26.4



#26

2,2-Dichloropropane

Concen: 45.183 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011203.D

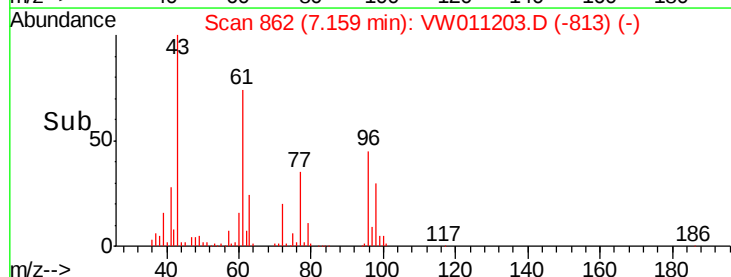
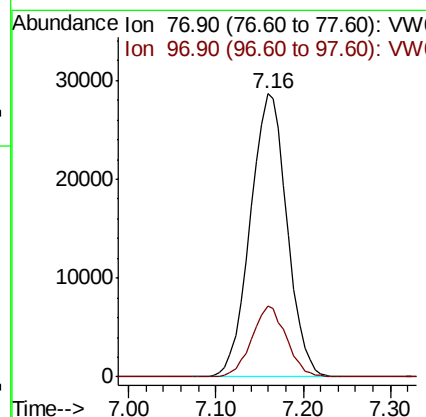
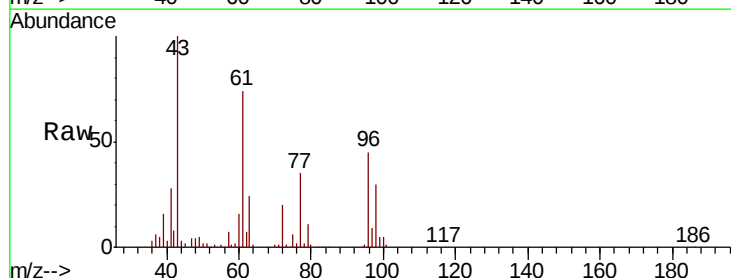
Acq: 10 Jul 2019 21:50

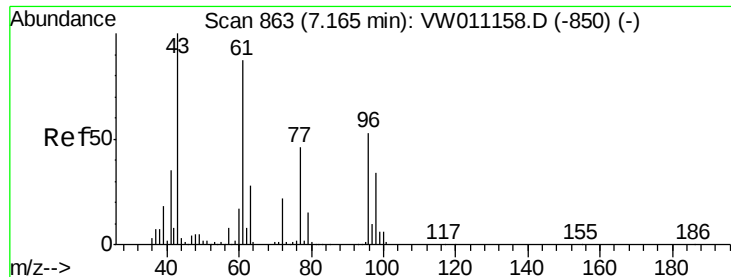
Tgt Ion: 77 Resp: 83331

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.5



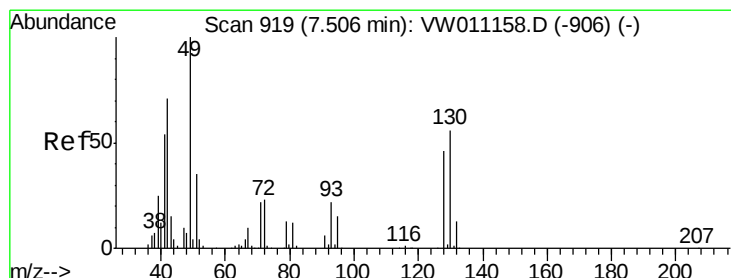
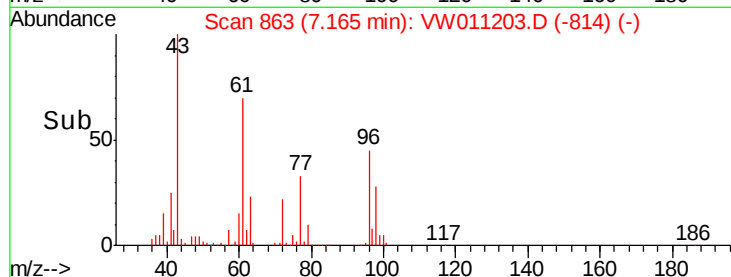
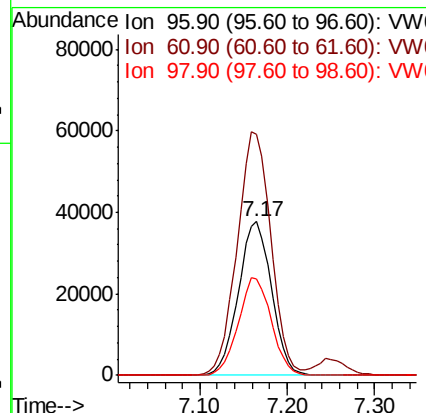
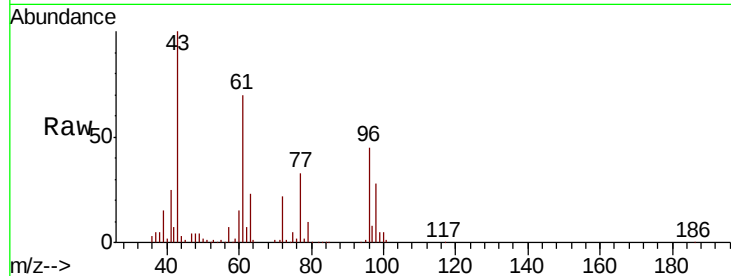


#27

cis-1,2-Dichloroethene
Concen: 51.338 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

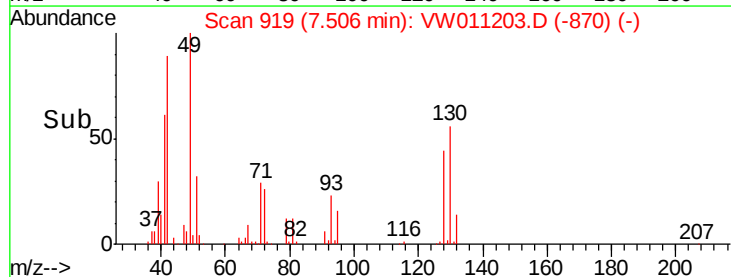
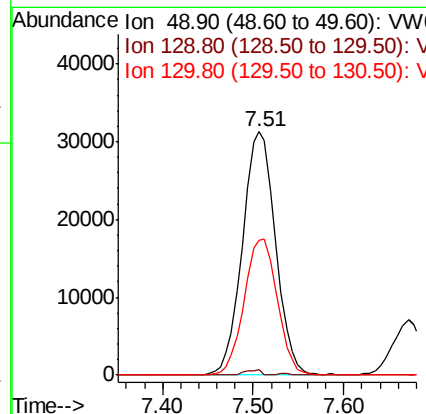
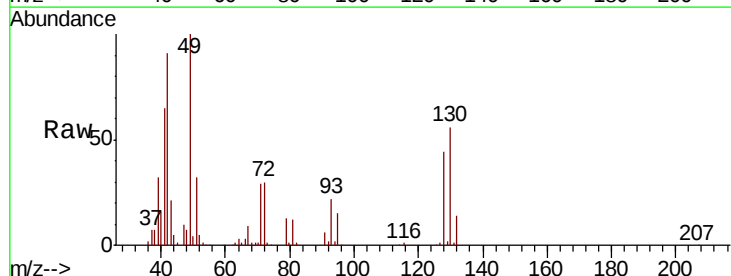
Tot Ion	96	Resp	99133
Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	325.6
98	63.3	0.0	128.2

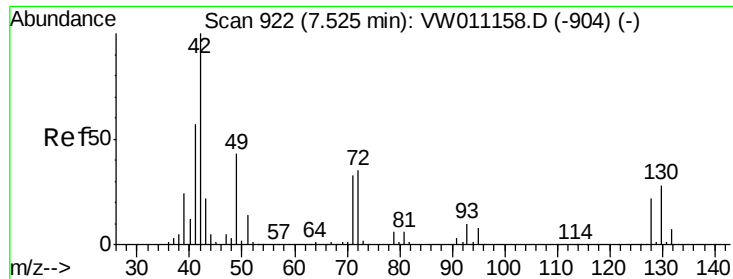


#28

Bromochloromethane
Concen: 48.944 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	49	Resp	78961
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	56.1	45.8	68.8

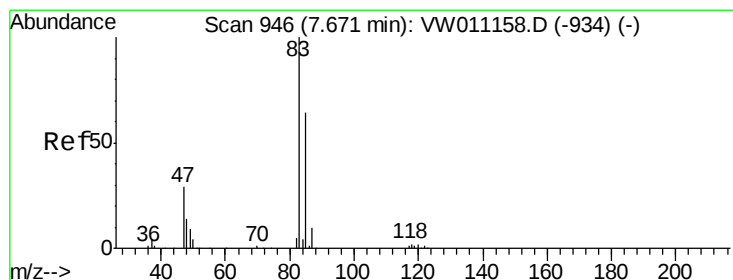
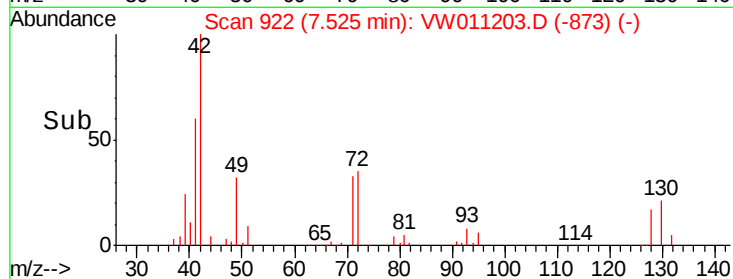
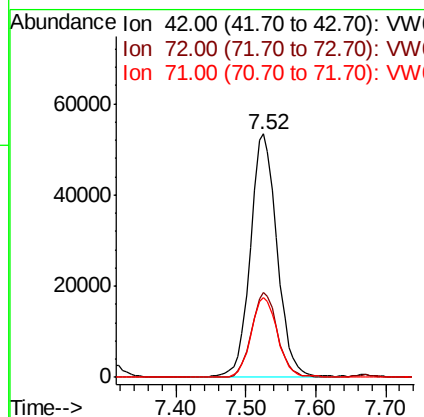
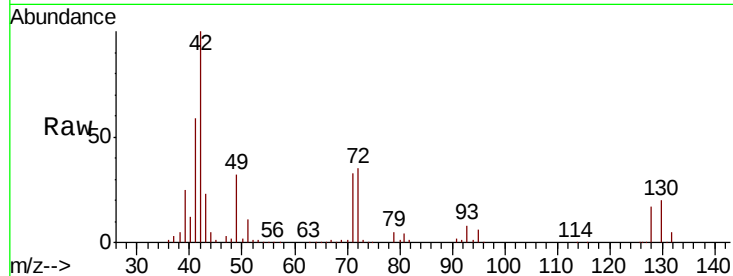




#29
Tetrahydrofuran
Concen: 291.072 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

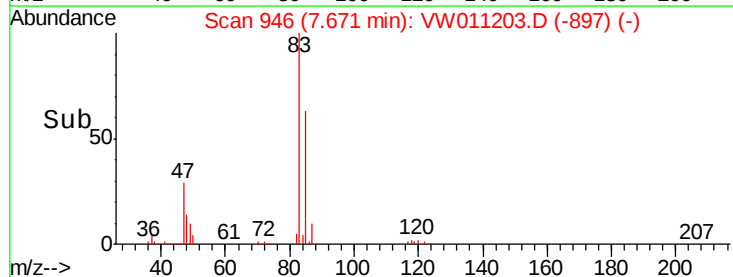
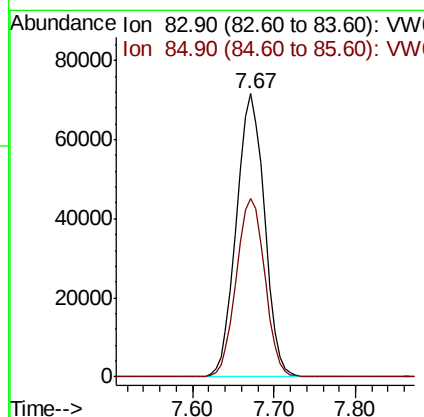
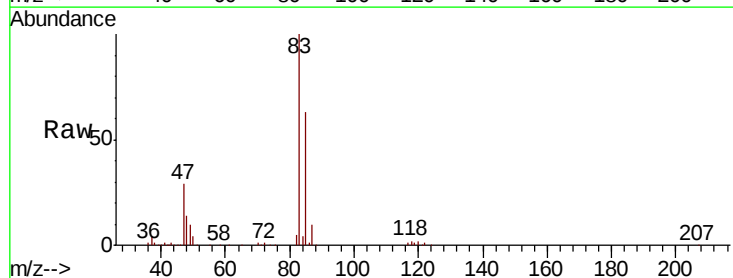
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

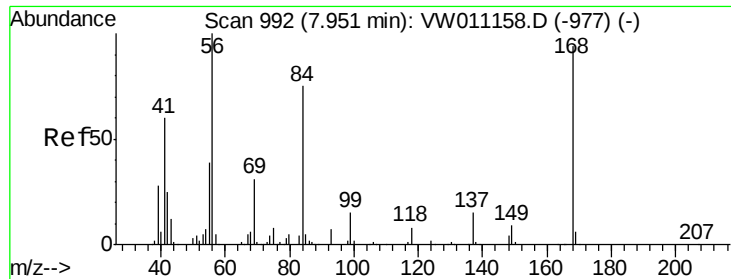
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.4	41.2
71	32.7	25.9	38.9



#30
Chloroform
Concen: 51.908 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2

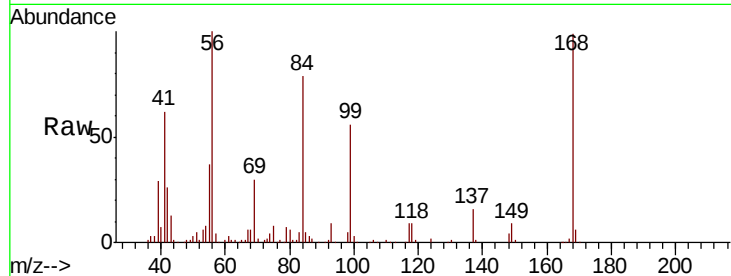




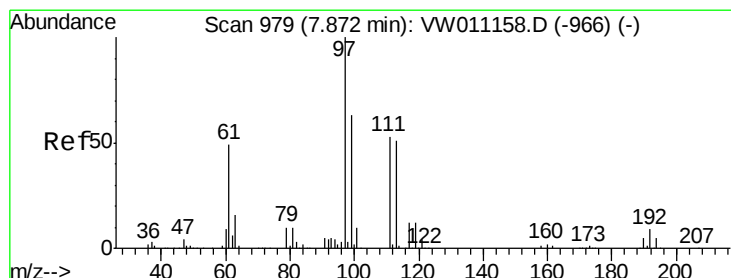
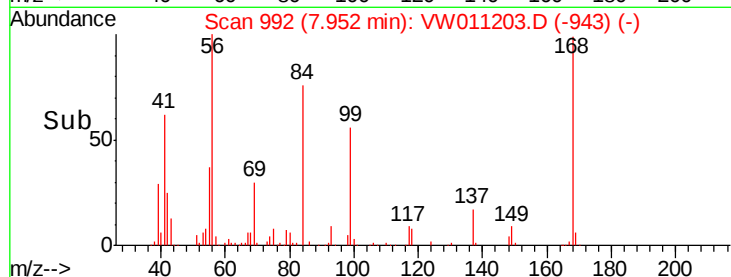
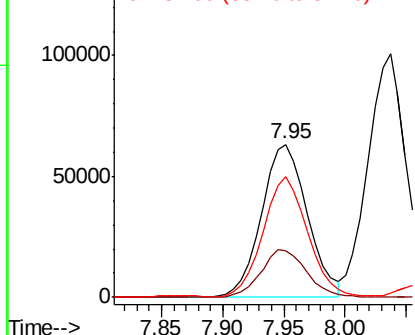
#31
Cyclohexane
Concen: 43.767 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion: 56 Resp: 165203
Ion Ratio Lower Upper
56 100
69 30.2 24.6 36.8
84 77.2 60.1 90.1

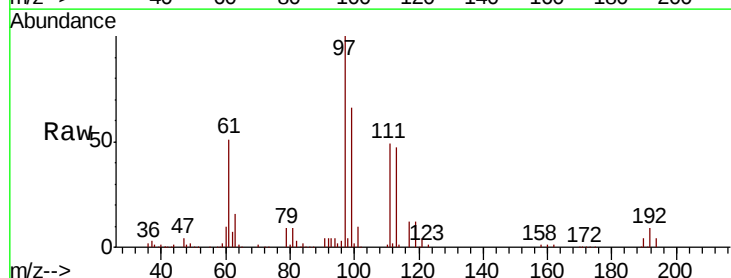


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

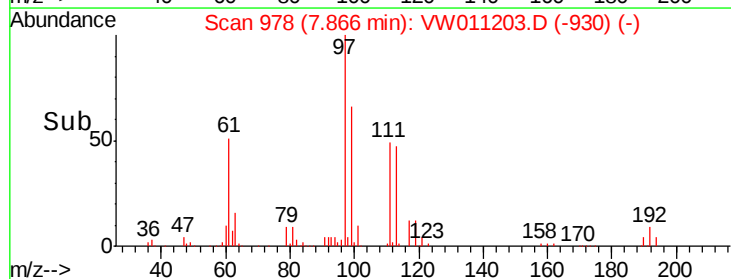
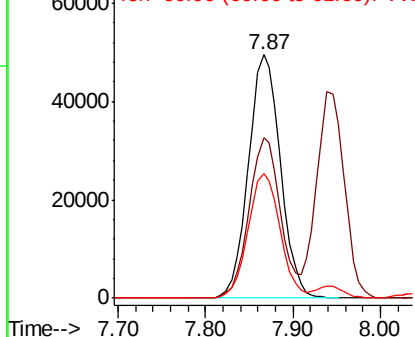


#32
1,1,1-Trichloroethane
Concen: 50.268 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 97 Resp: 125645
Ion Ratio Lower Upper
97 100
99 65.4 51.0 76.4
61 51.2 40.4 60.6



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

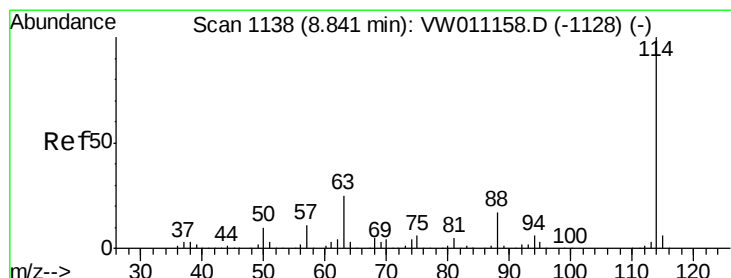
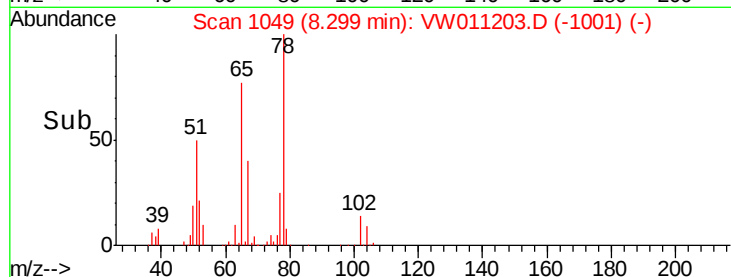
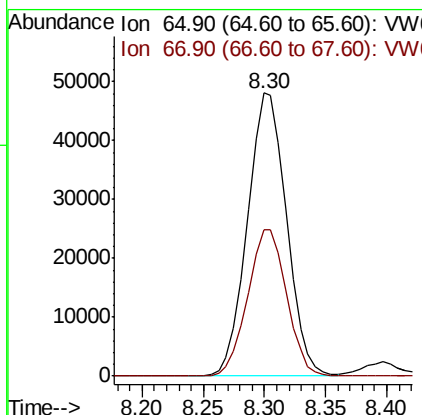
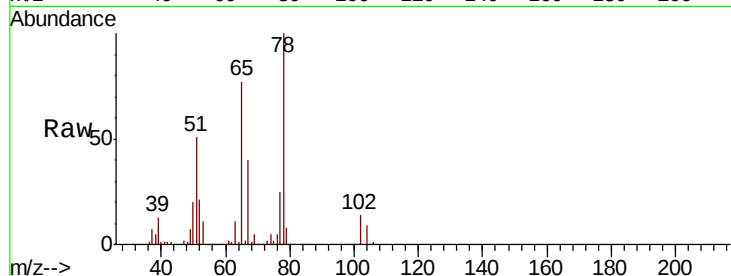




#33
 1,2-Dichloroethane-d4
 Concen: 54.906 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

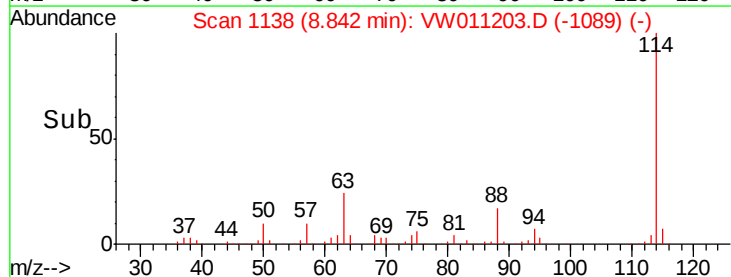
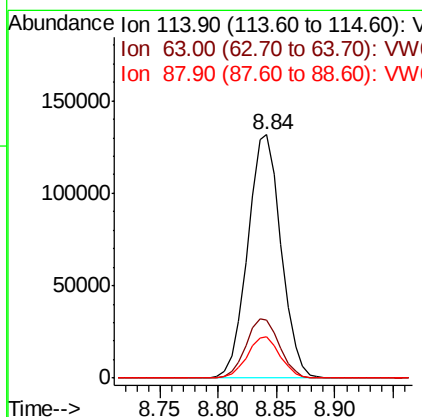
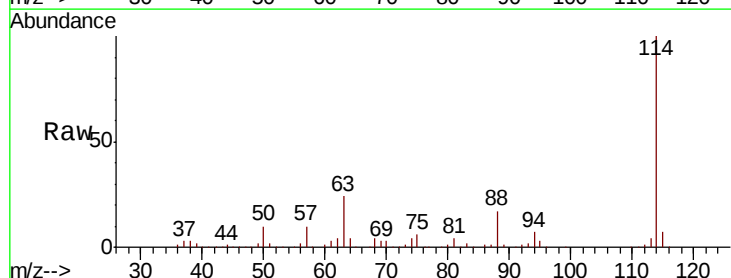
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

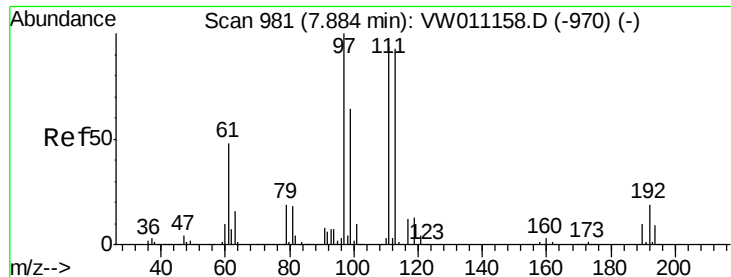
Tot Ion: 65 Resp: 106987
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 114 Resp: 262113
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.8
 88 16.7 0.0 34.2

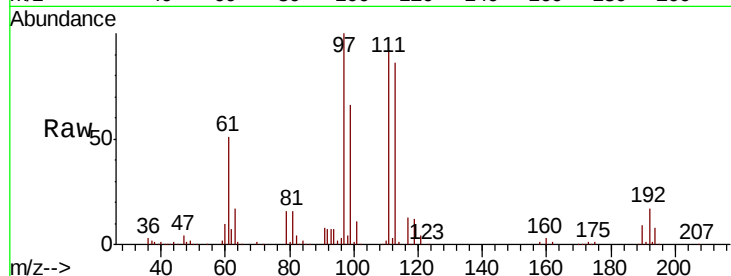




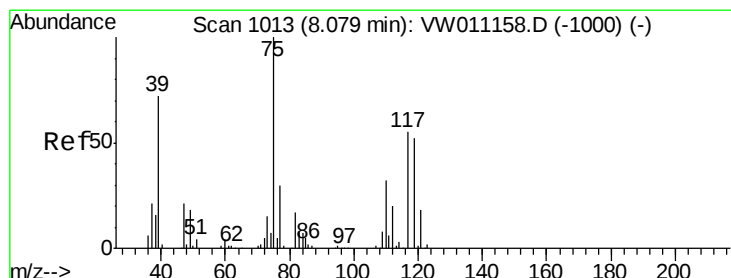
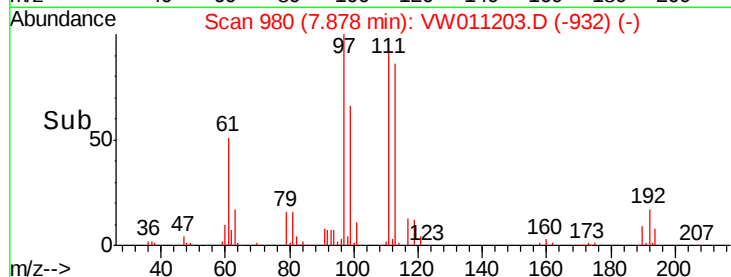
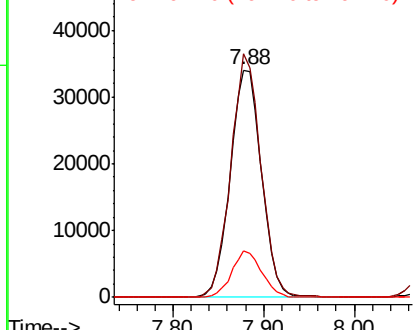
#35
 Dibromofluoromethane
 Concen: 52.545 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion:113 Resp: 82092
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 19.6 15.8 23.8

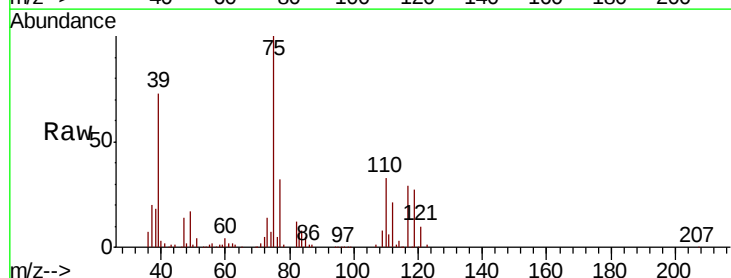


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

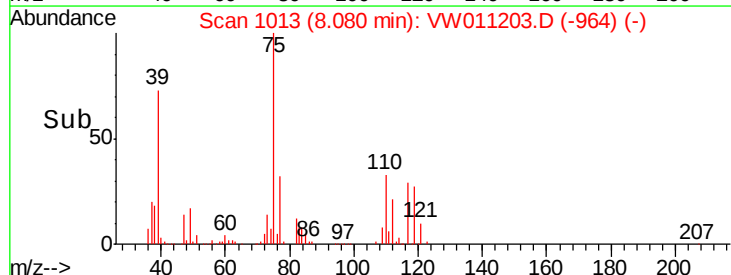
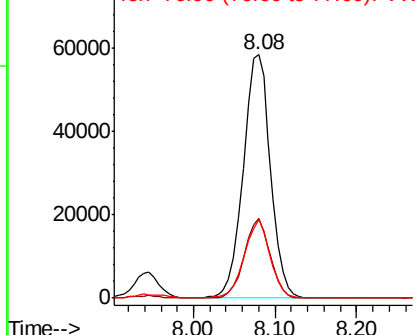


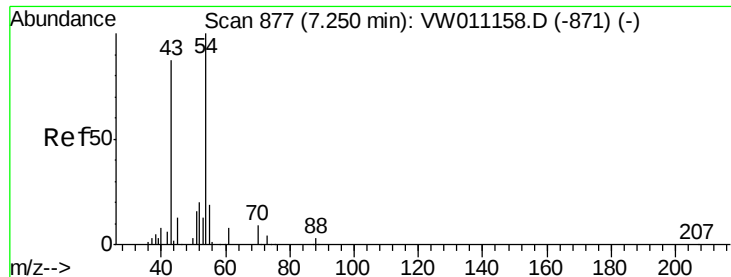
#36
 1,1-Dichloropropene
 Concen: 48.336 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 75 Resp: 134917
 Ion Ratio Lower Upper
 75 100
 110 30.8 15.9 47.6
 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

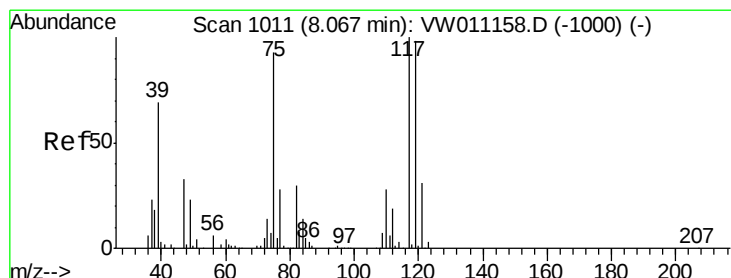
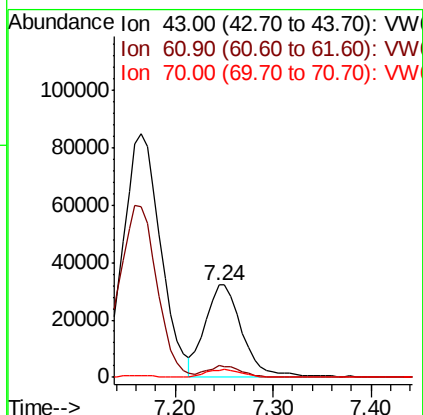
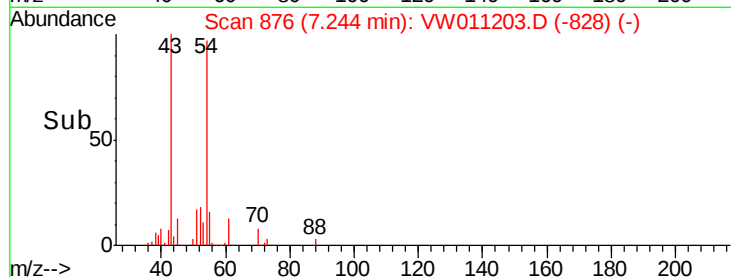
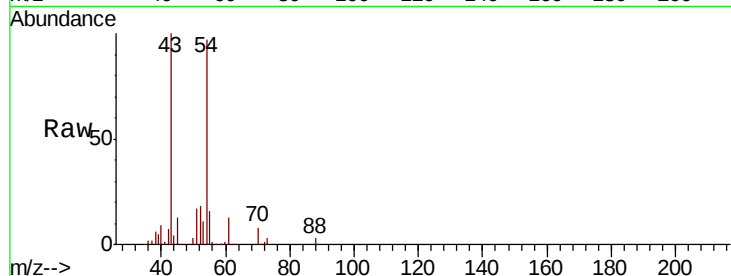




#37
Ethyl Acetate
Concen: 49.740 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

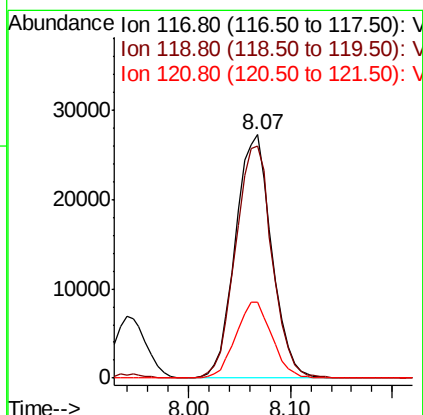
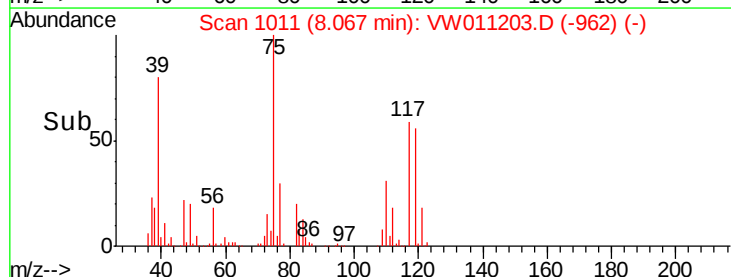
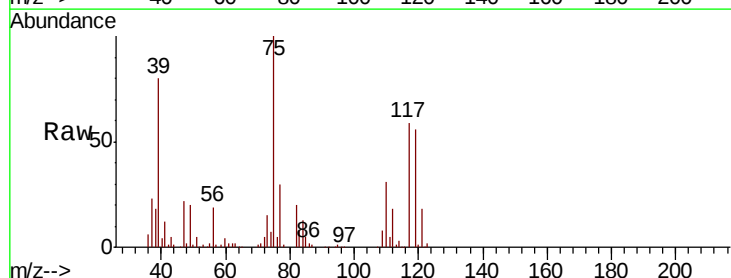
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

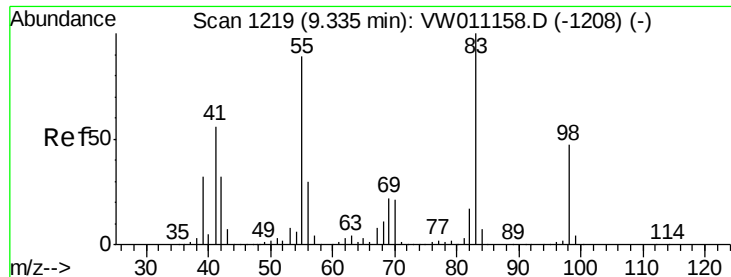
Tot Ion: 43 Resp: 83417
Ion Ratio Lower Upper
43 100
61 11.9 9.5 14.3
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 28.408 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 117 Resp: 67219
Ion Ratio Lower Upper
117 100
119 95.1 78.1 117.1
121 31.1 25.1 37.7

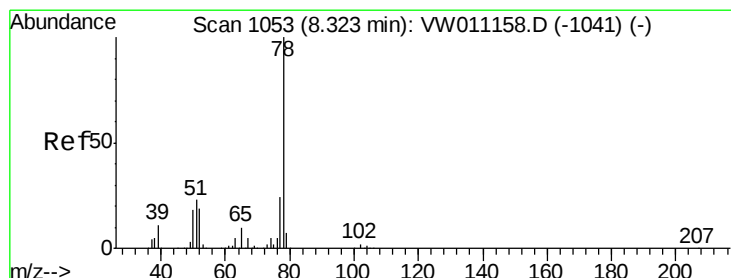
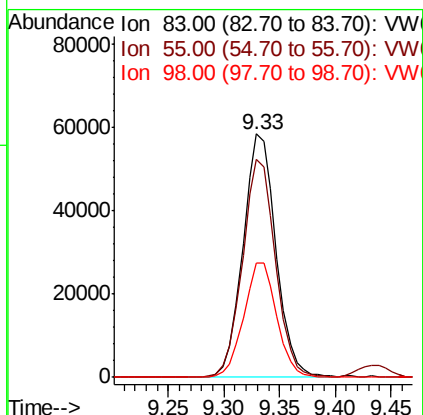
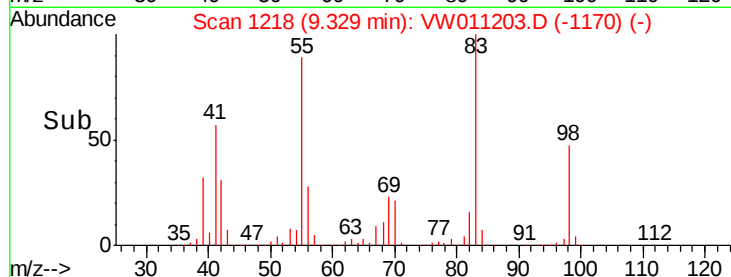
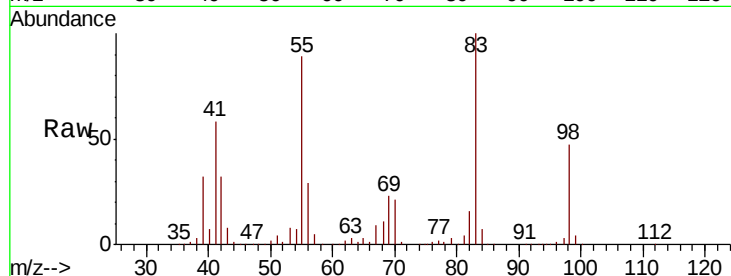




#39
Methvlcvclohexane
Concen: 35.494 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

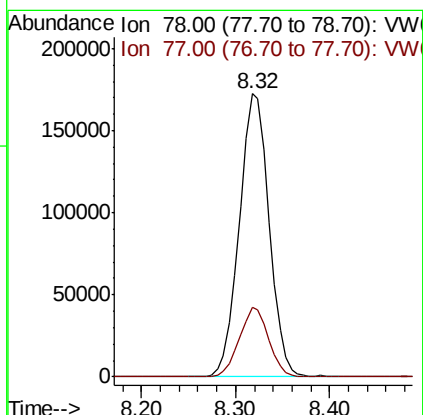
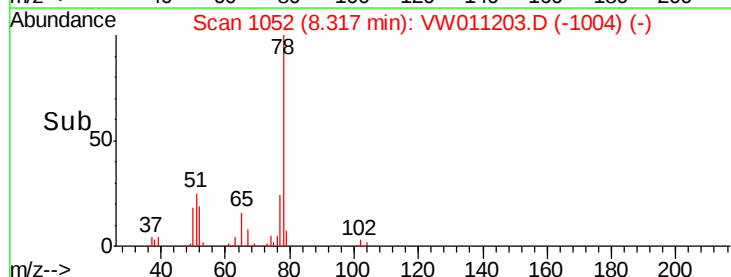
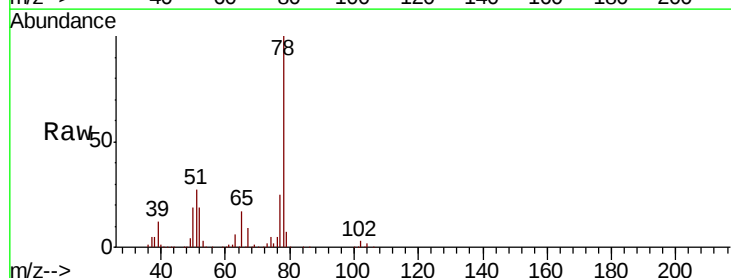
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

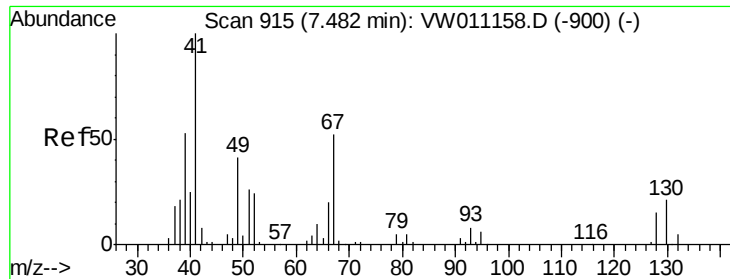
Tot Ion: 83 Resp: 120082
Ion Ratio Lower Upper
83 100
55 89.4 71.2 106.8
98 47.2 37.5 56.3



#40
Benzene
Concen: 49.576 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 78 Resp: 382431
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6

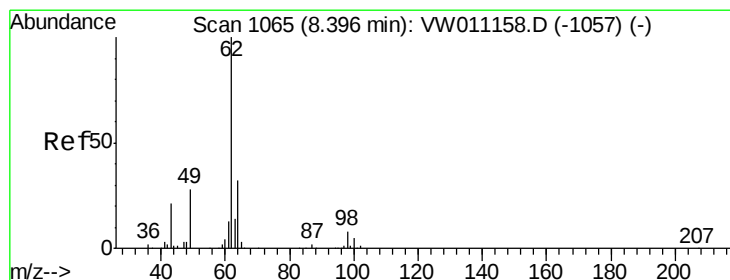
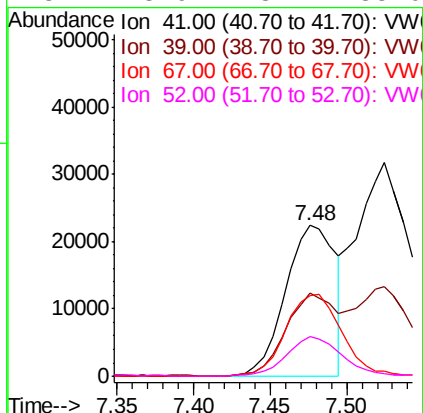
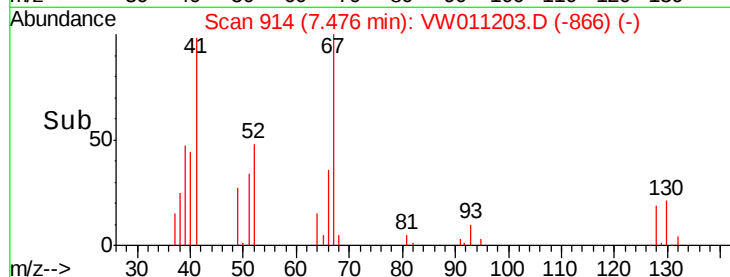
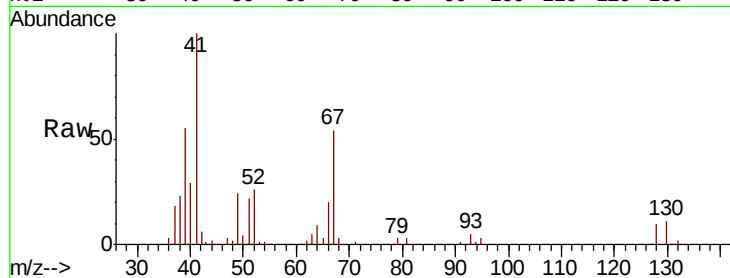




#41
Methacrylonitrile
Concen: 53.327 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

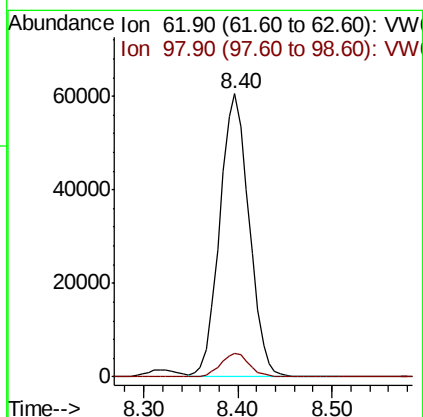
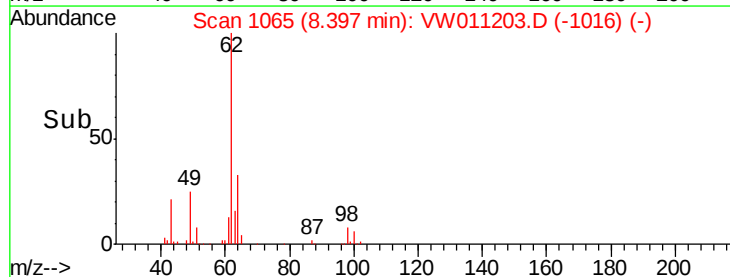
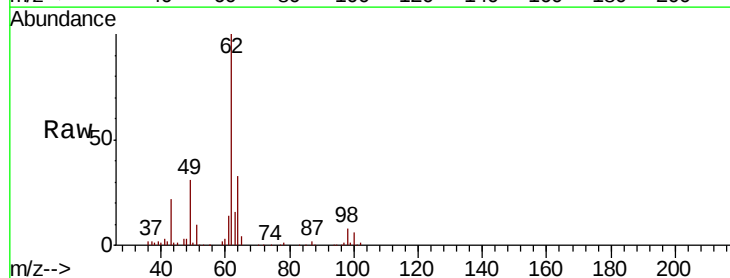
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

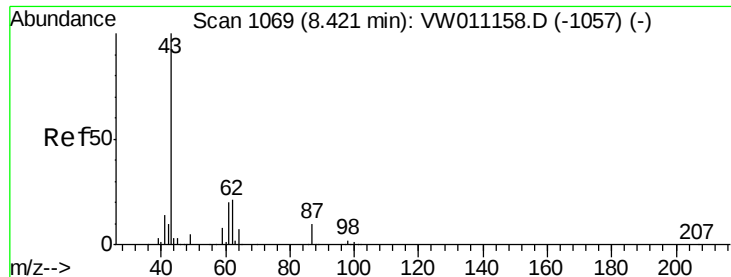
Tot Ion:	41	Resp:	51150
Ion	Ratio	Lower	Upper
41	100		
39	53.9	48.0	72.0
67	61.0	49.7	74.5
52	28.9	23.4	35.0



#42
1,2-Dichloroethane
Concen: 52.251 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion:	62	Resp:	130750
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 50.834 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

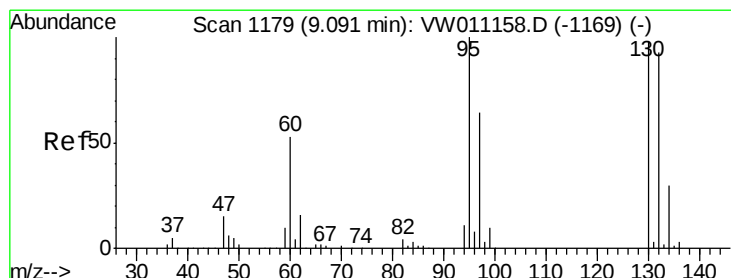
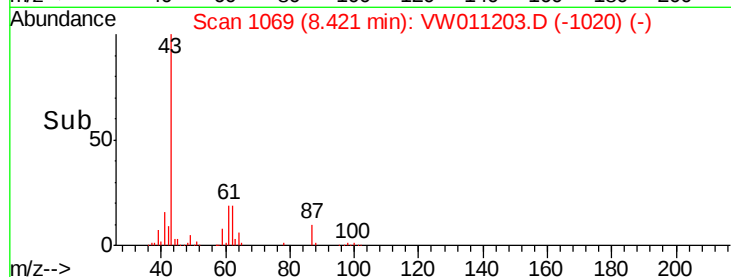
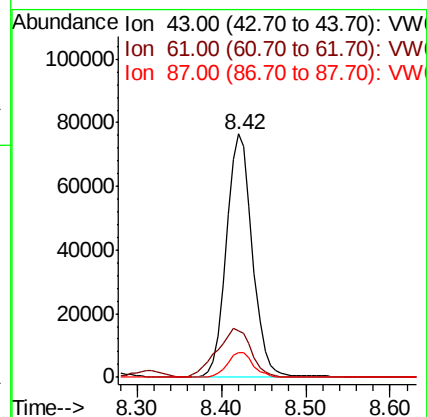
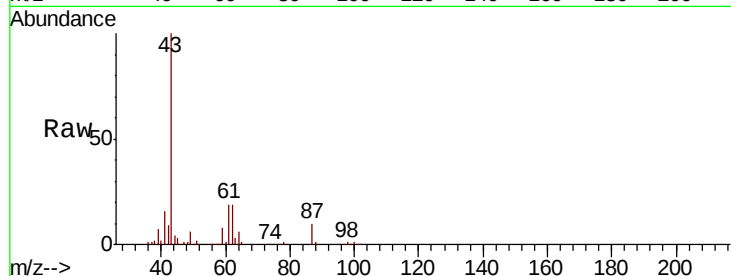
Tot Ion: 43 Resp: 160954

Ion Ratio Lower Upper

43 100

61 26.4 20.7 31.1

87 10.3 8.1 12.1



#44

Trichloroethene

Concen: 53.180 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011203.D

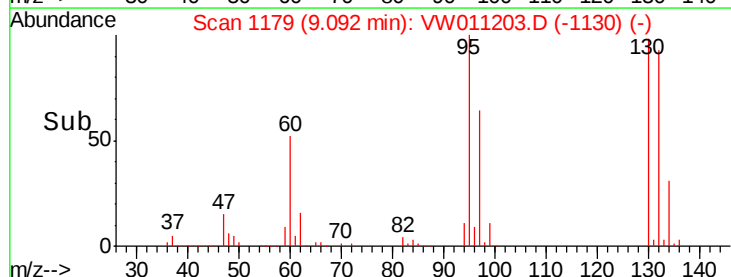
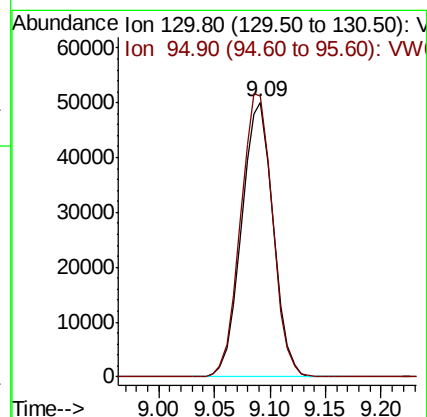
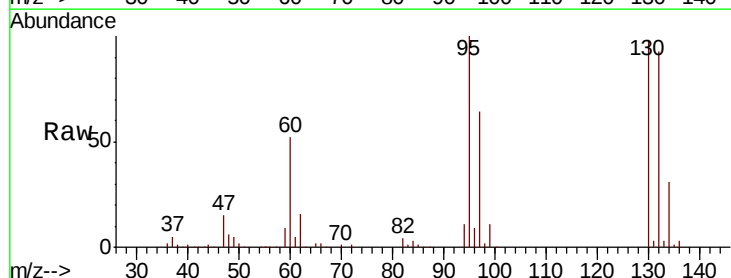
Acq: 10 Jul 2019 21:50

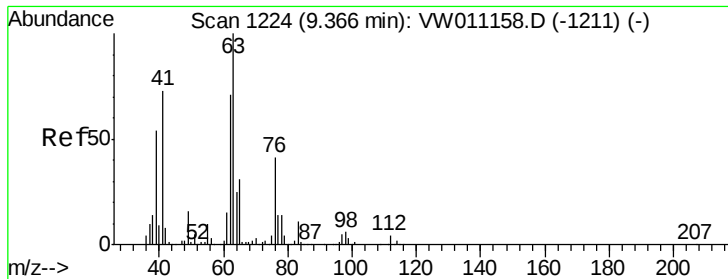
Tgt Ion:130 Resp: 98718

Ion Ratio Lower Upper

130 100

95 102.2 0.0 203.6

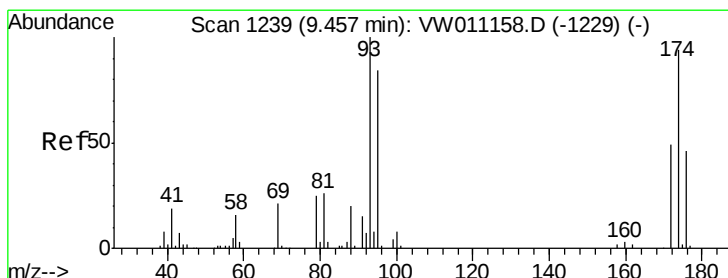
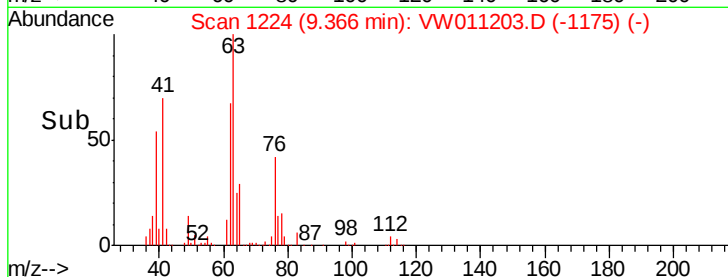
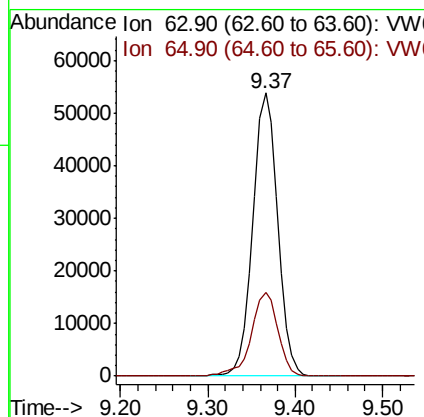
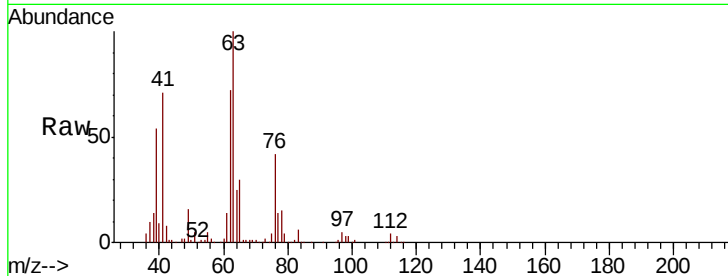




#45
 1,2-Dichloropropane
 Concen: 50.758 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

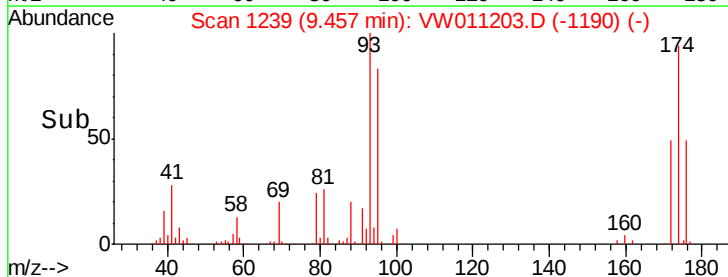
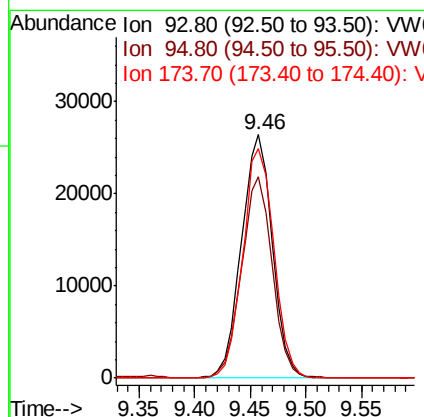
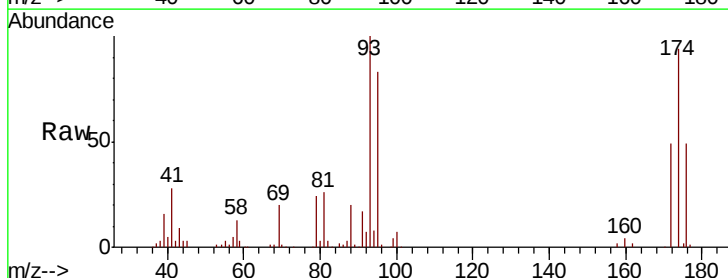
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion: 63 Resp: 106028
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6



#46
 Dibromomethane
 Concen: 51.980 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 93 Resp: 51006
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.2 100.8
 174 95.7 76.3 114.5

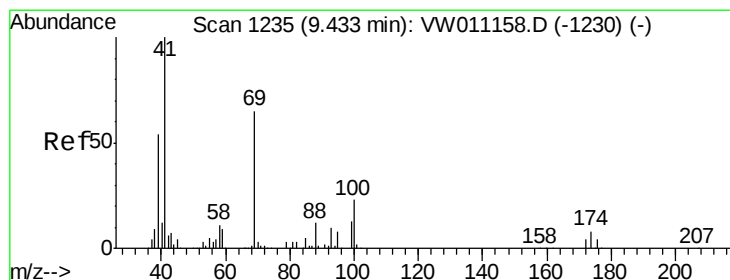
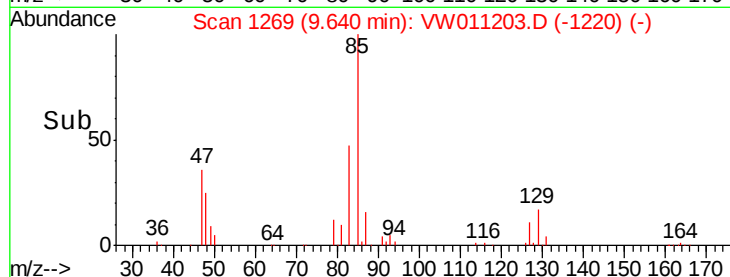
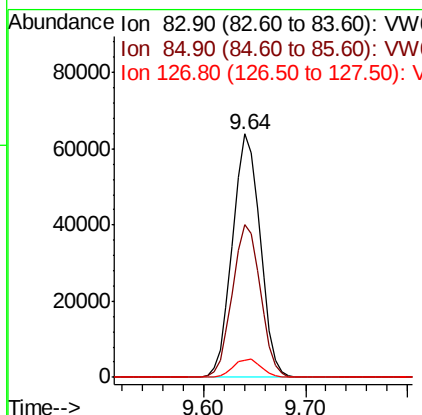
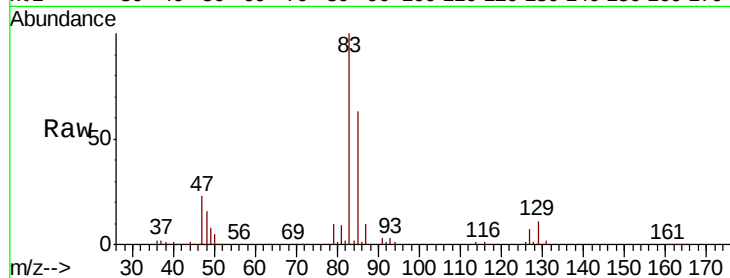




#47
Bromodichloromethane
Concen: 47.898 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

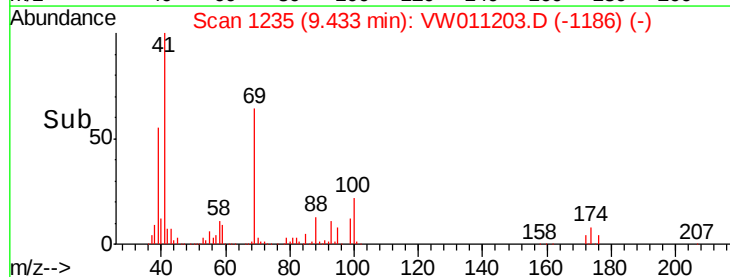
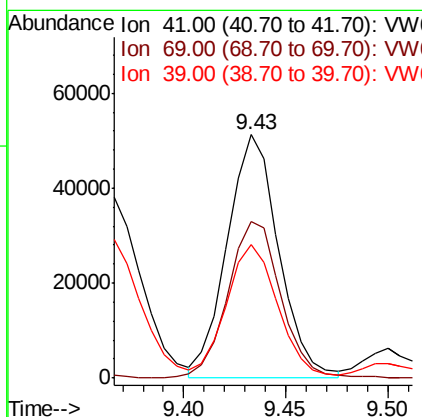
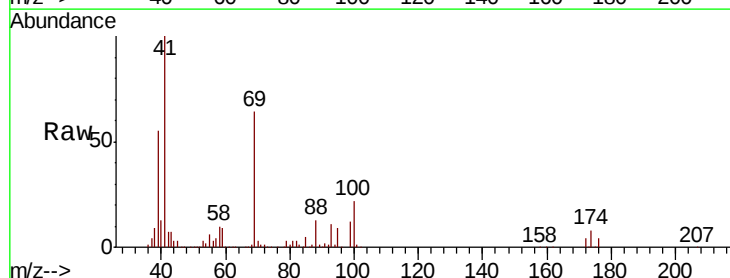
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

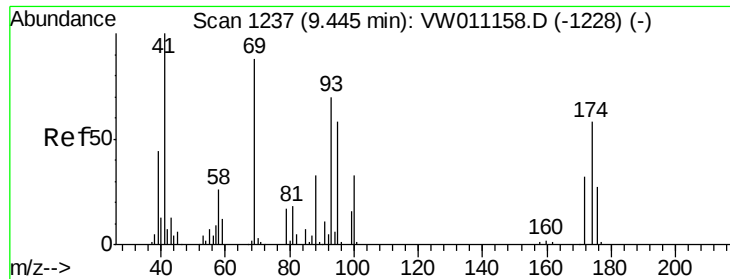
Tot Ion	83	Resp	120259
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.0	76.4
127	7.1	6.0	9.0



#48
Methyl methacrylate
Concen: 58.707 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	41	Resp	89428
Ion Ratio	Lower	Upper	
41	100		
69	65.8	56.0	84.0
39	55.2	43.5	65.3

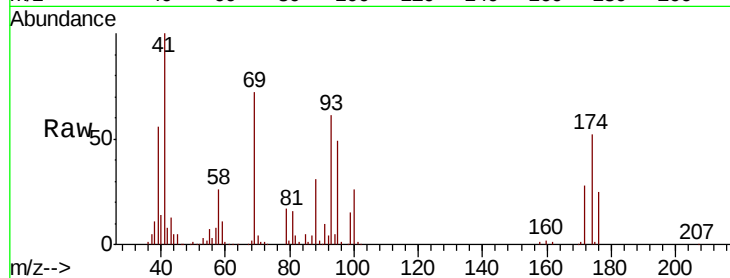




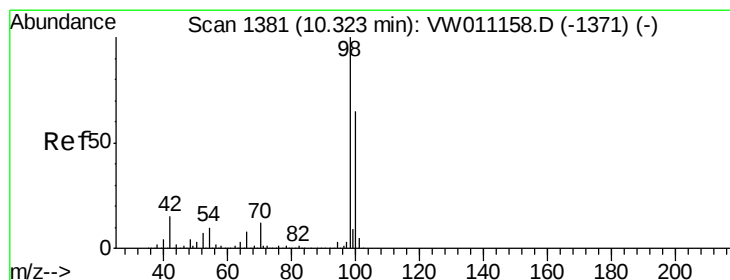
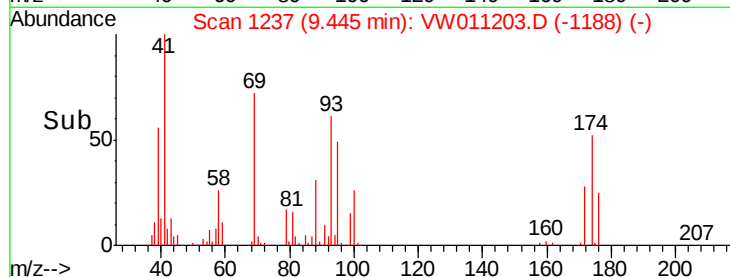
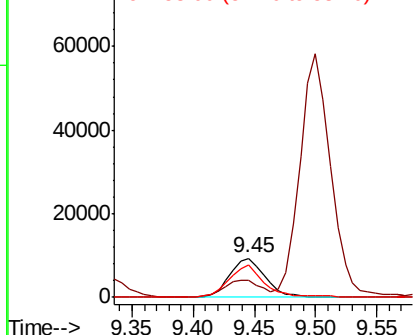
#49
1,4-Dioxane
Concen: 1147.013 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion: 88 Resp: 18787
Ion Ratio Lower Upper
88 100
43 44.5 33.4 50.0
58 83.0 64.5 96.7

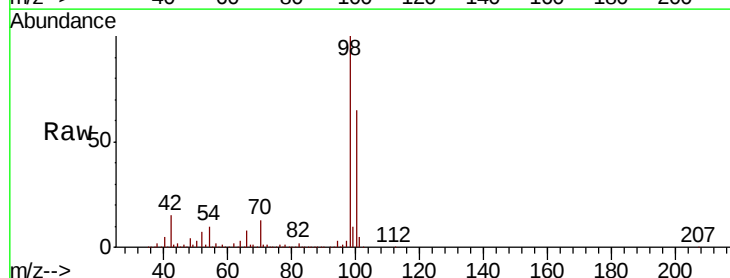


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

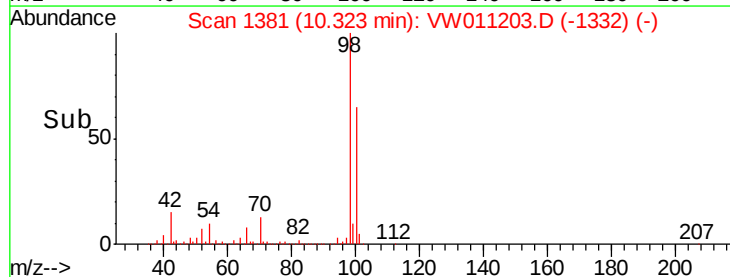
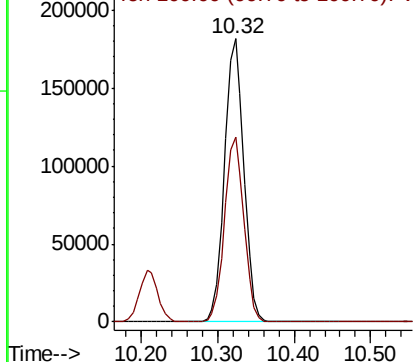


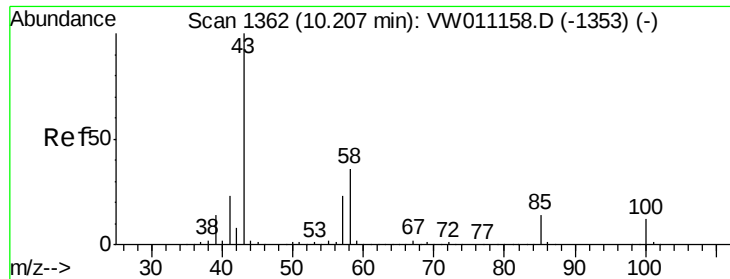
#50
Toluene-d8
Concen: 49.964 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 98 Resp: 315528
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 284.560 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

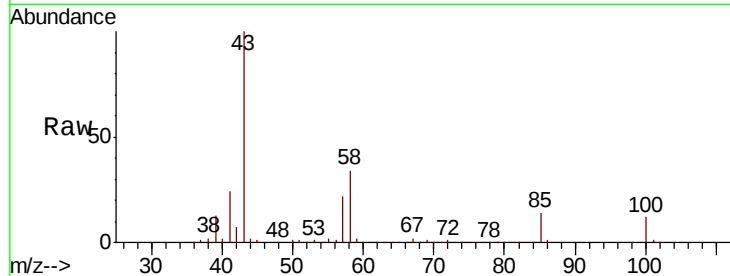
KY030LC068-SD-190709MS

Tot Ion: 43 Resp: 470655

Ion Ratio Lower Upper

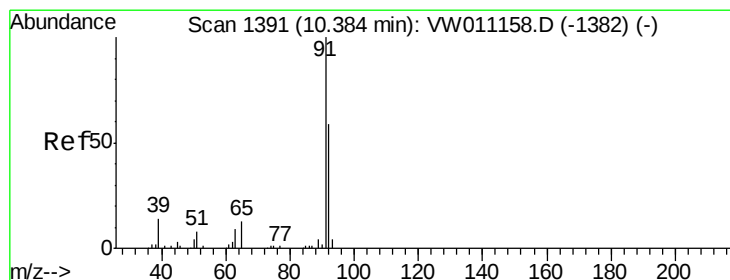
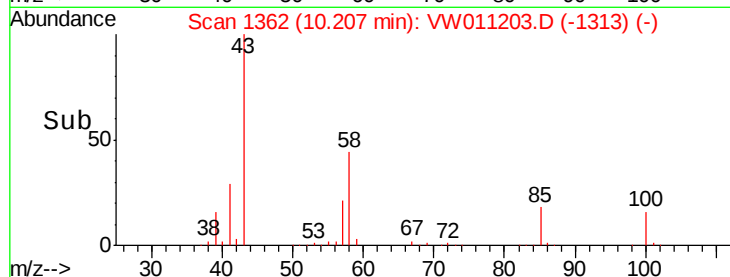
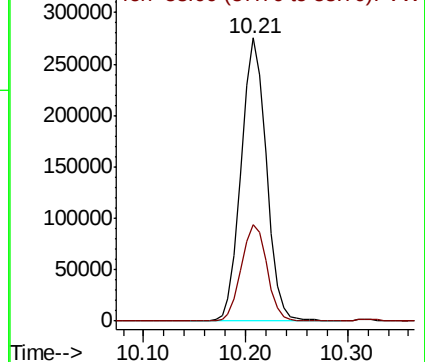
43 100

58 34.7 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 48.357 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011203.D

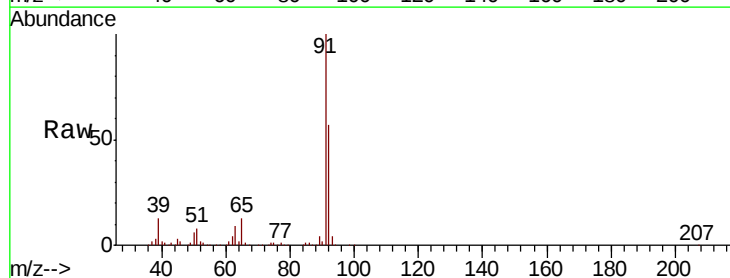
Acq: 10 Jul 2019 21:50

Tgt Ion: 92 Resp: 226279

Ion Ratio Lower Upper

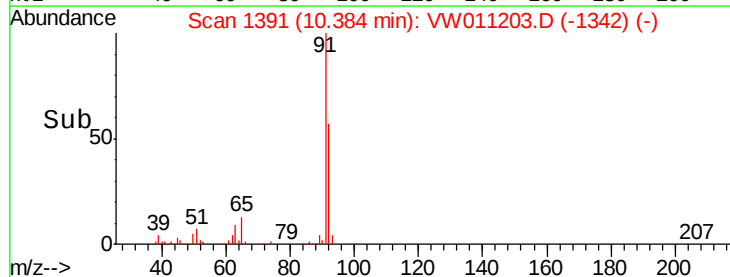
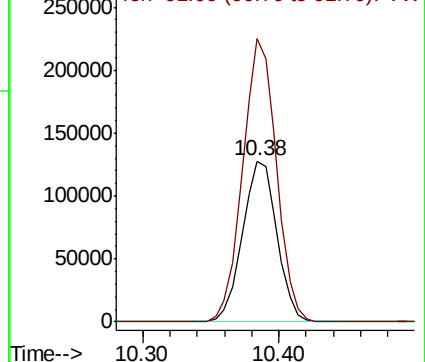
92 100

91 172.7 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 44.342 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

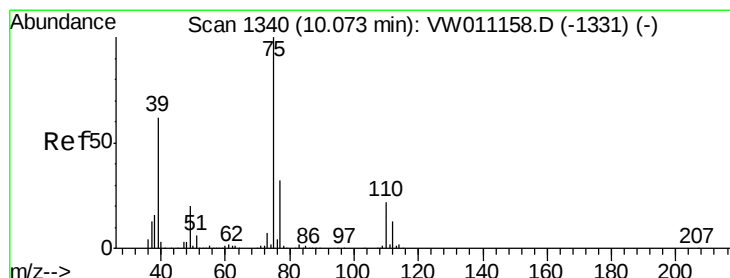
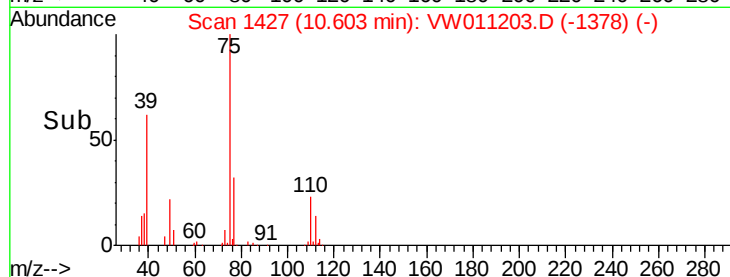
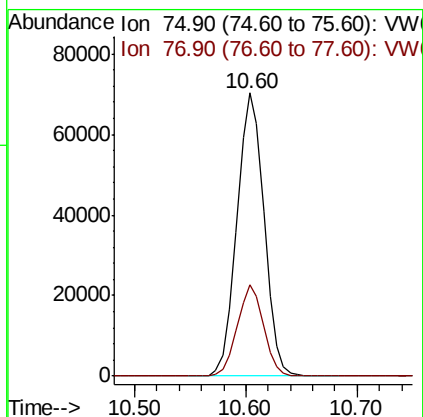
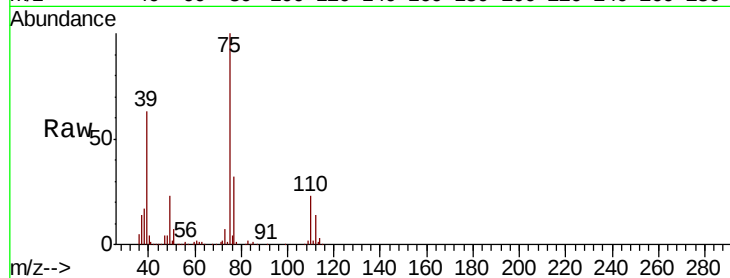
KY030LC068-SD-190709MS

Tot Ion: 75 Resp: 118506

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 43.172 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

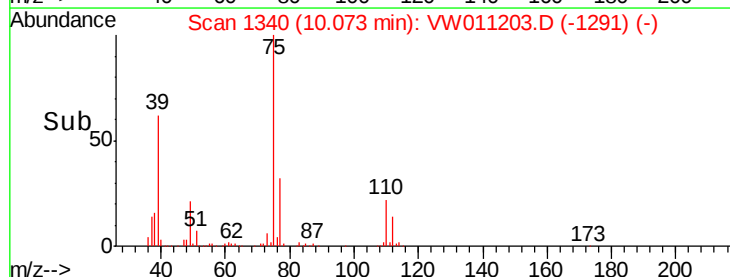
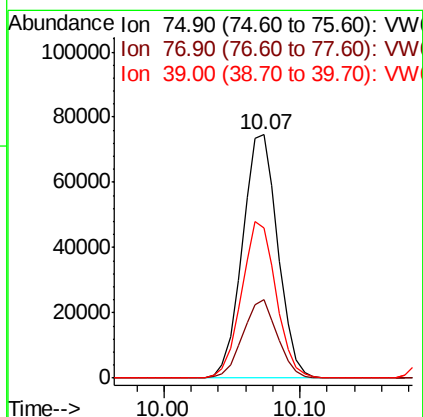
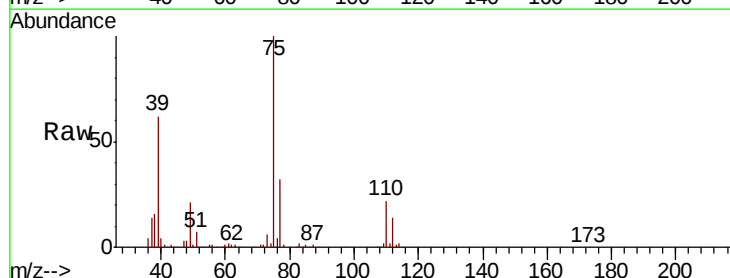
Tgt Ion: 75 Resp: 135807

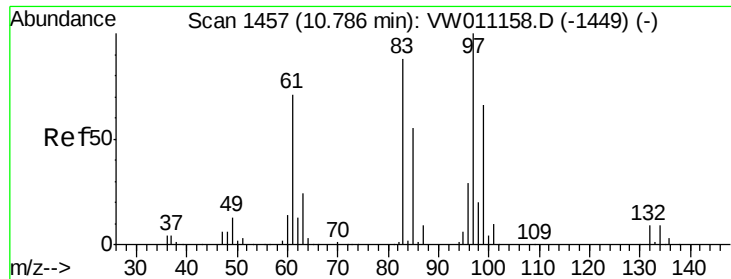
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 61.6 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 52.326 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 97 Resp: 72842

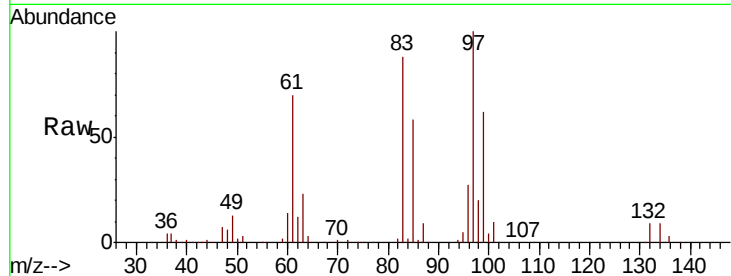
Ion Ratio Lower Upper

97 100

83 87.9 70.2 105.4

85 57.5 44.2 66.2

99 62.1 52.6 79.0



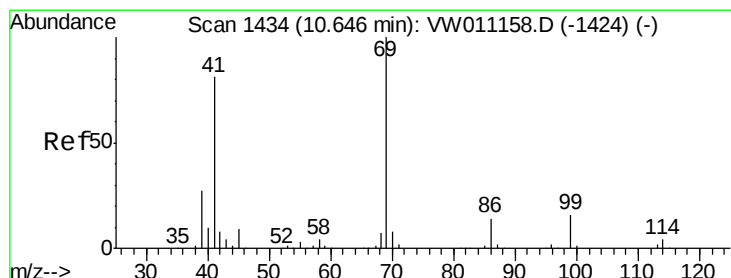
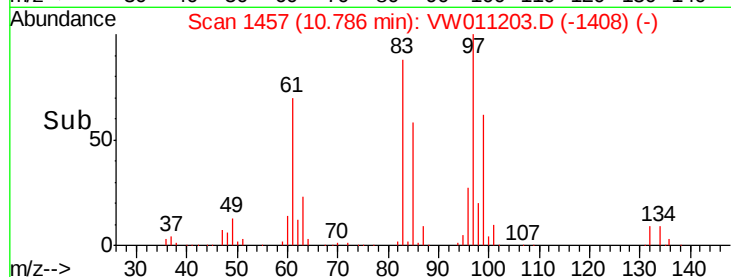
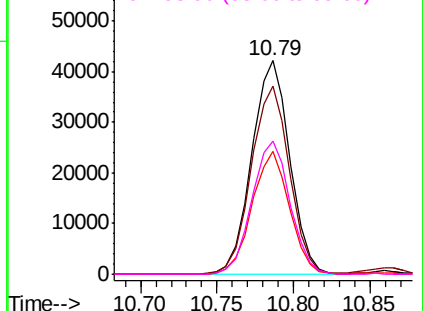
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 50.770 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

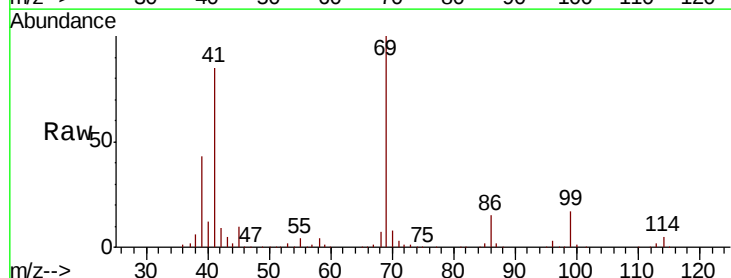
Tgt Ion: 69 Resp: 107602

Ion Ratio Lower Upper

69 100

41 83.4 66.5 99.7

39 39.9 32.5 48.7

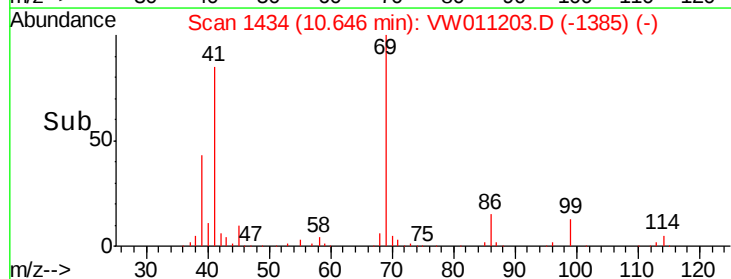
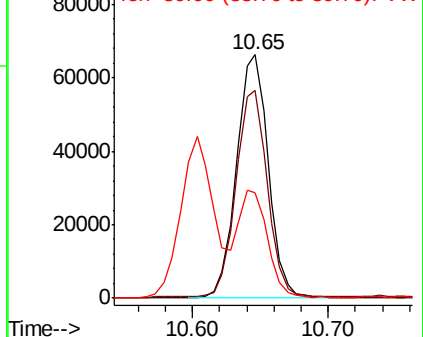


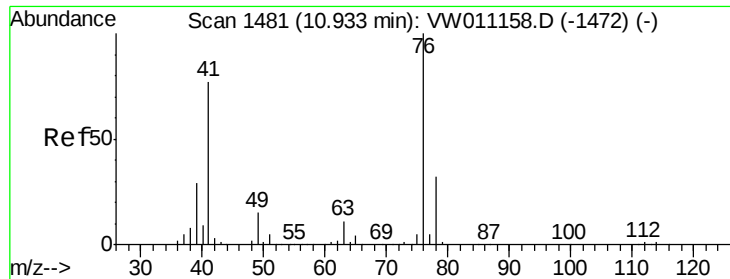
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

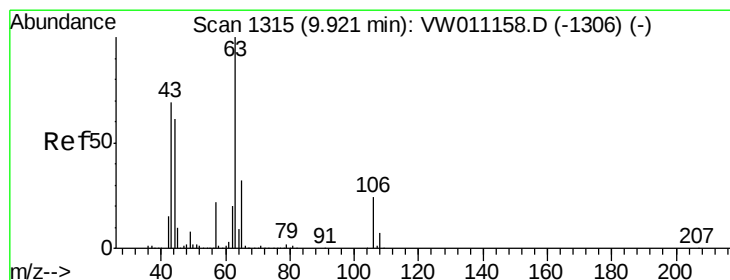
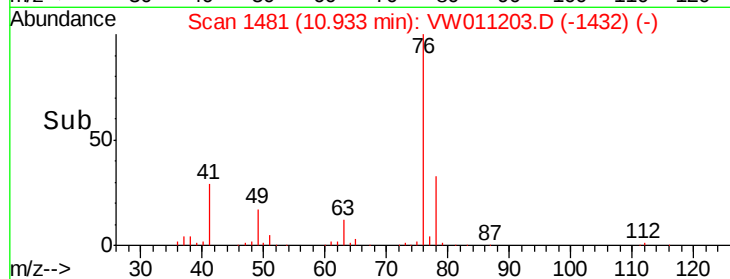
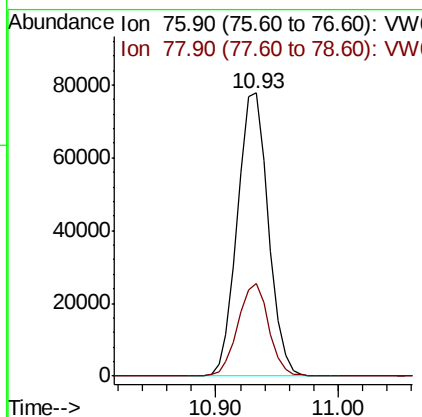
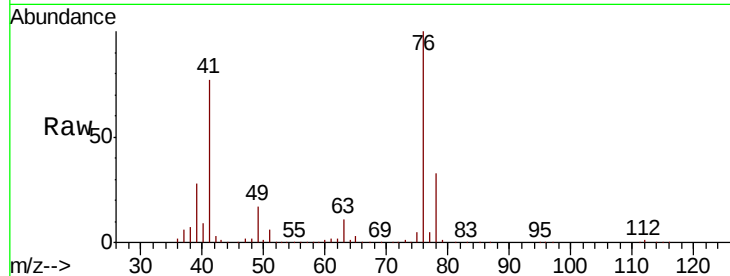




#57
 1,3-Dichloropropane
 Concen: 51.855 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

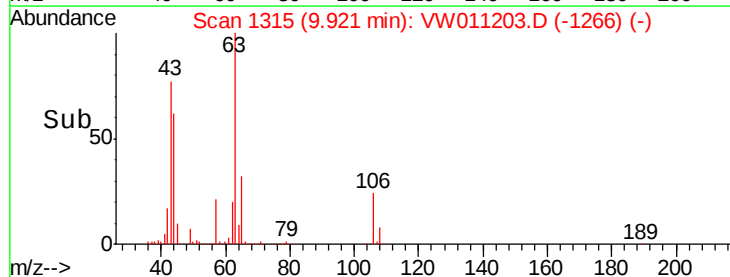
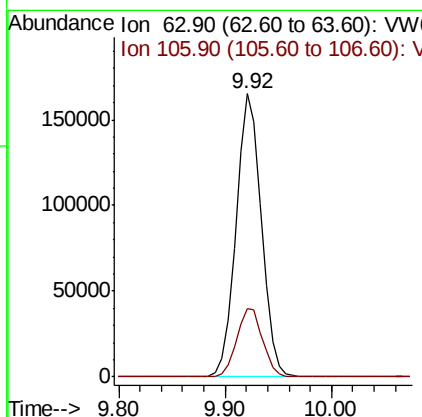
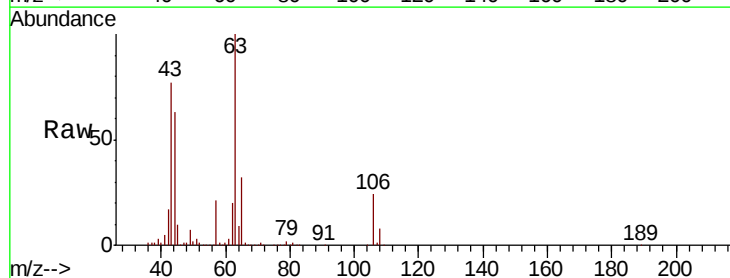
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

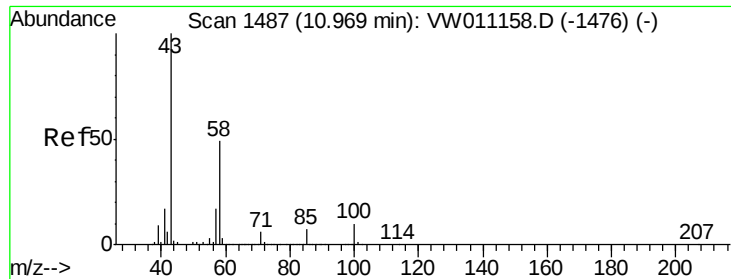
Tot Ion: 76 Resp: 136505
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.548 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 63 Resp: 275655
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0

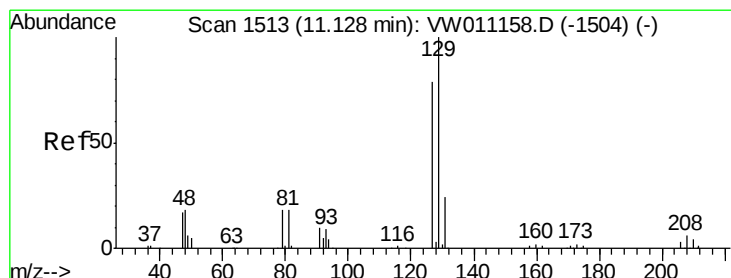
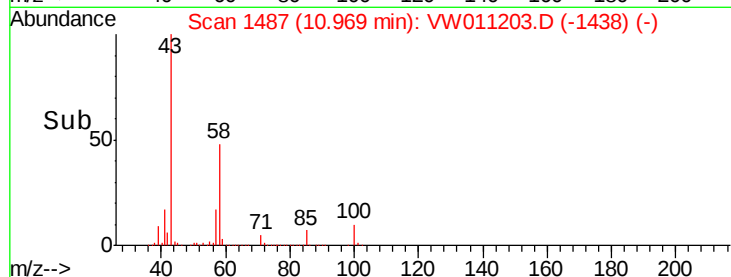
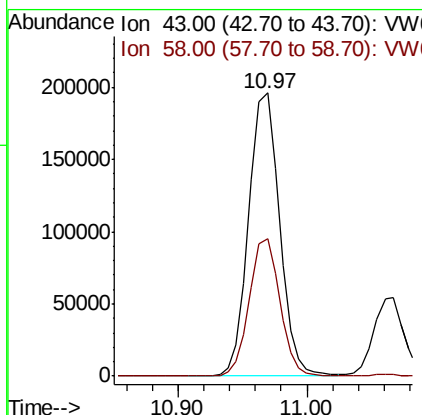
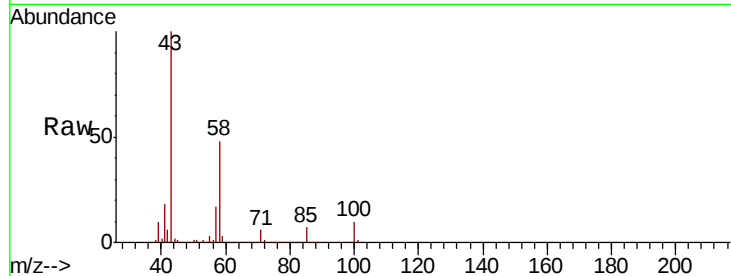




#59
2-Hexanone
Concen: 283.589 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

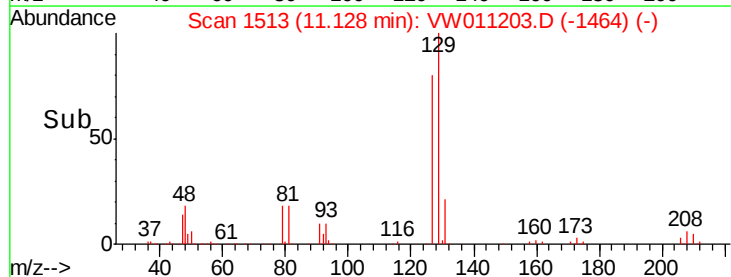
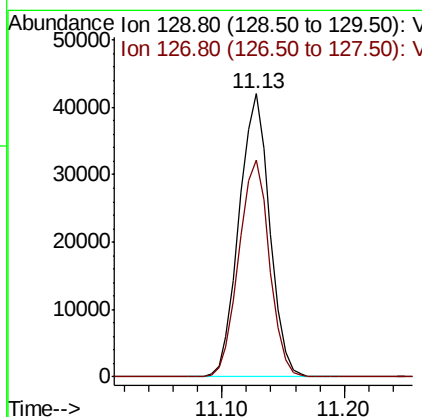
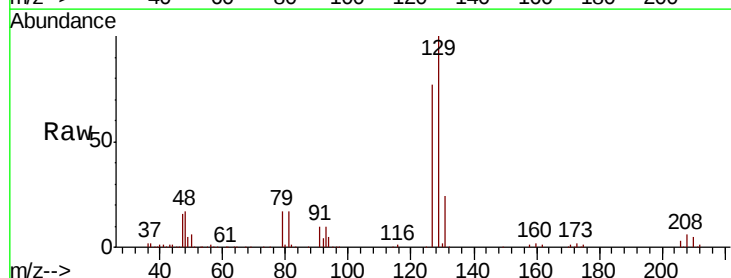
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

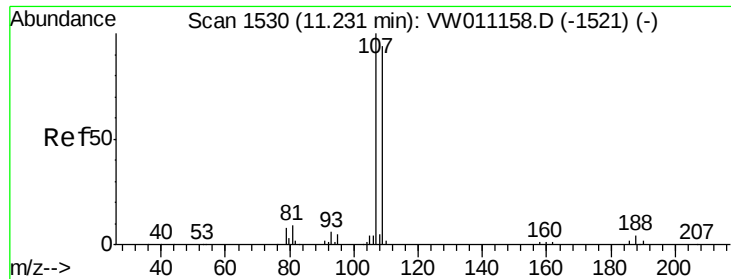
Tot Ion: 43 Resp: 325286
Ion Ratio Lower Upper
43 100
58 48.2 24.4 73.4



#60
Dibromochloromethane
Concen: 47.755 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 129 Resp: 72899
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3

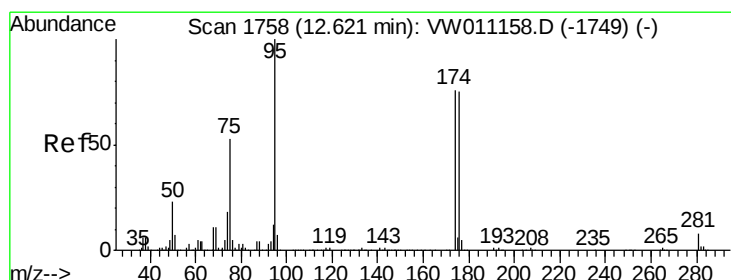
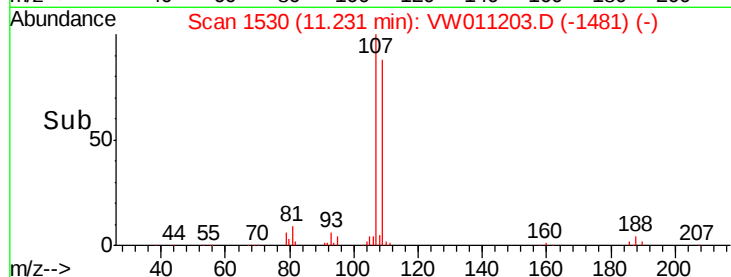
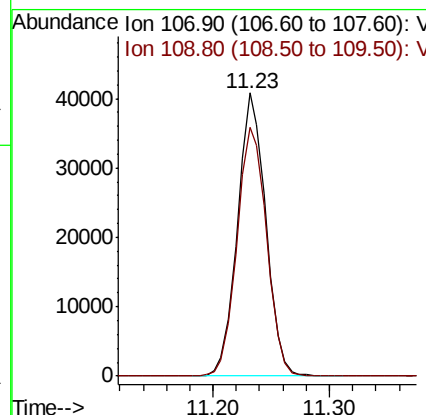
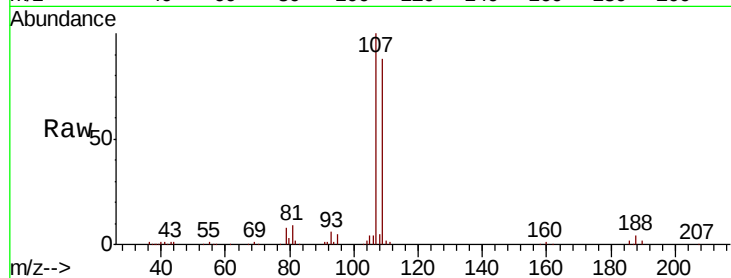




#61
 1,2-Dibromoethane
 Concen: 52.327 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

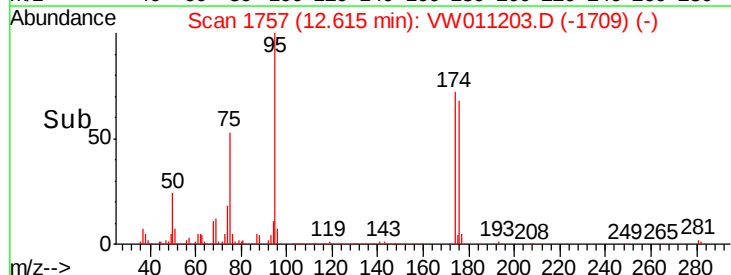
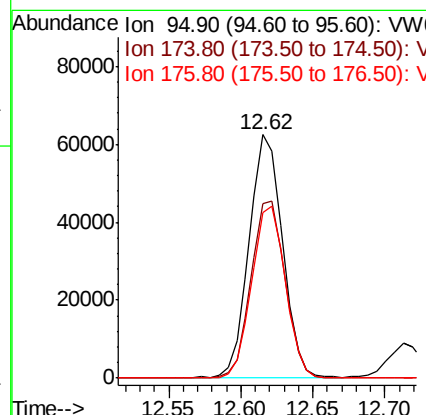
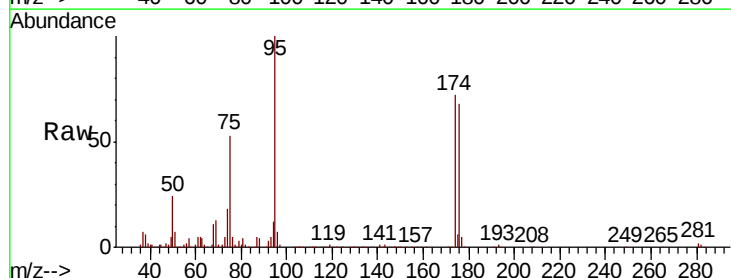
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

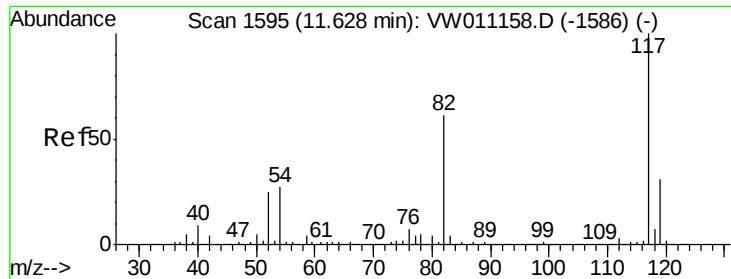
Tot Ion: 107 Resp: 69000
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 43.078 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 95 Resp: 99712
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.6
 176 71.3 0.0 144.6

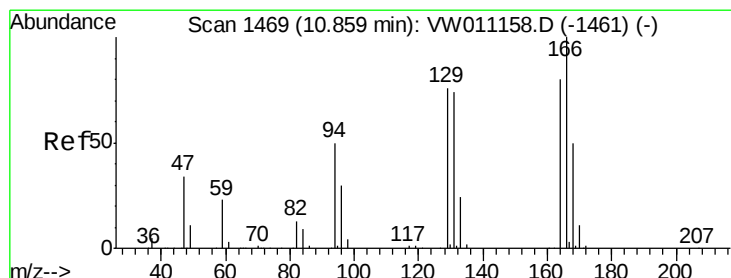
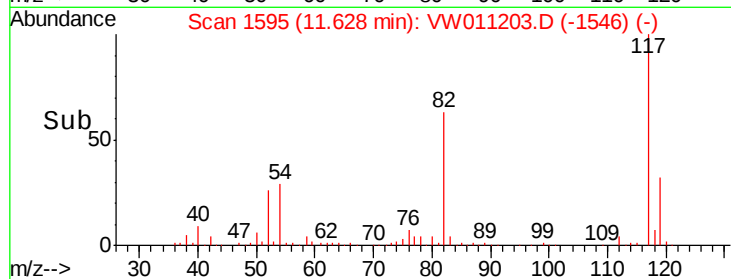
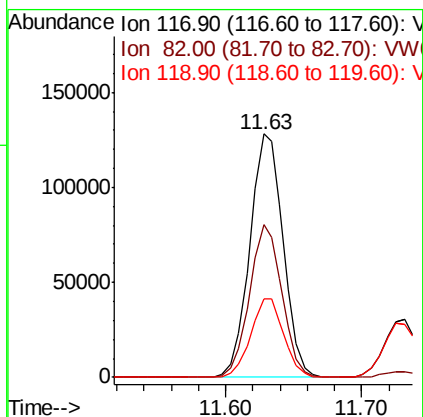
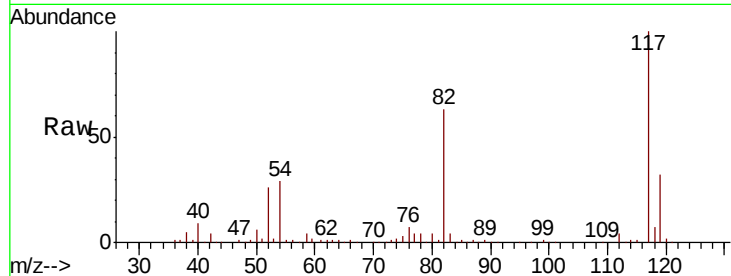




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

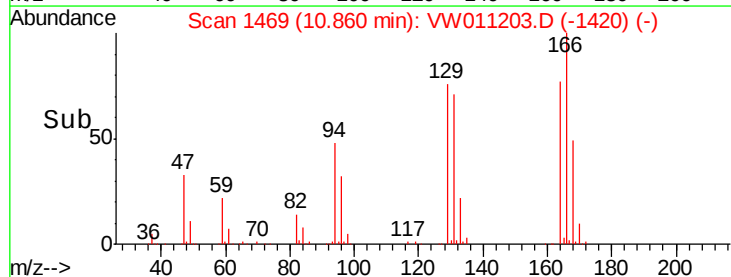
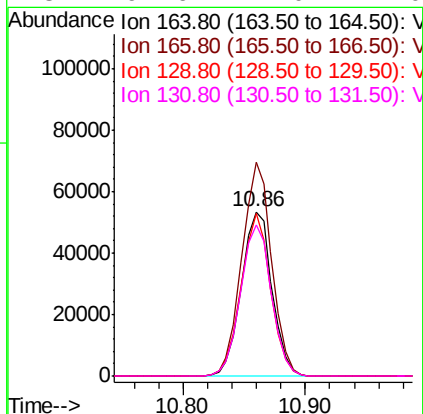
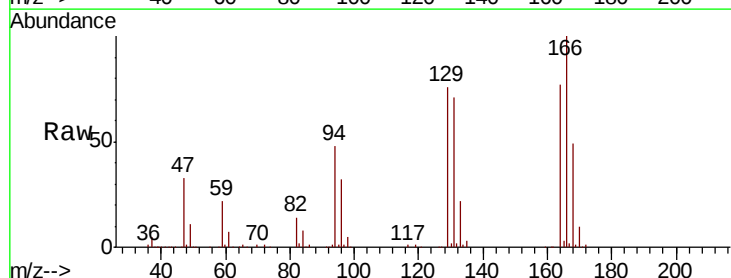
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

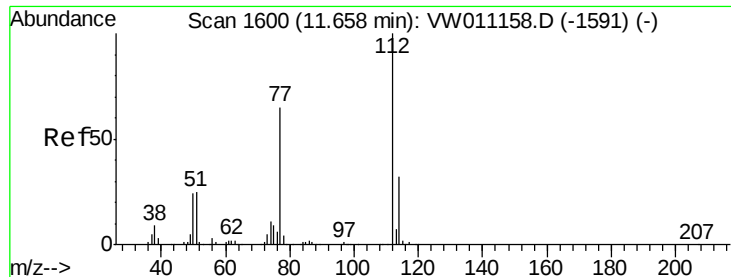
Tot Ion:117 Resp: 219691
Ion Ratio Lower Upper
117 100
82 62.7 48.9 73.3
119 32.5 25.0 37.6



#64
Tetrachloroethene
Concen: 62.412 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion:164 Resp: 92521
Ion Ratio Lower Upper
164 100
166 129.9 99.7 149.5
129 99.1 76.2 114.2
131 91.6 74.0 111.0

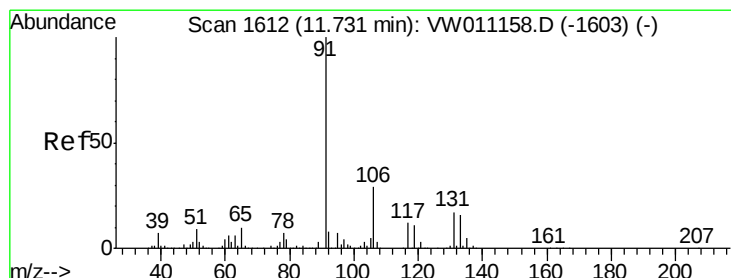
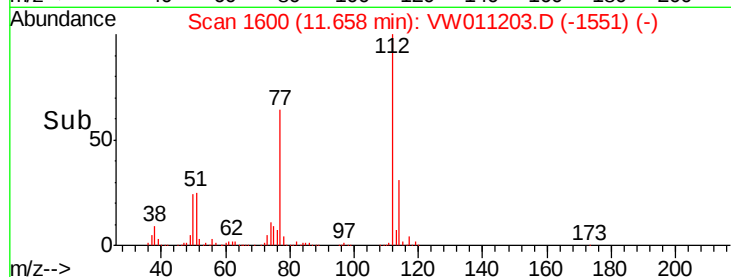
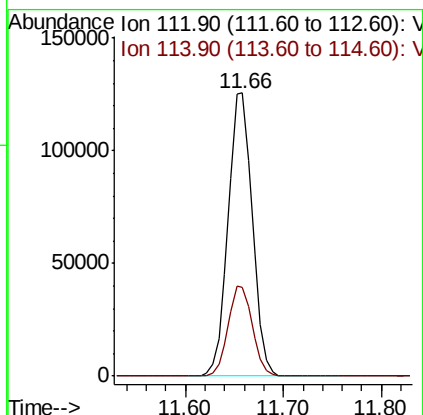
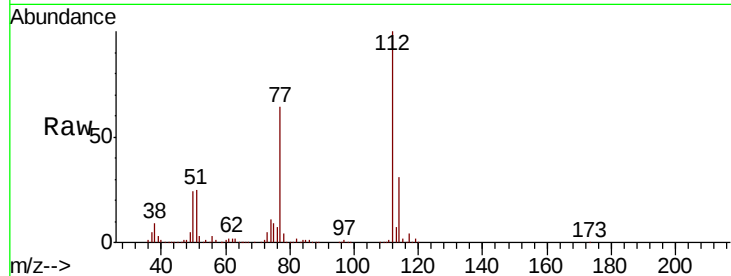




#65
Chlorobenzene
Concen: 48.345 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

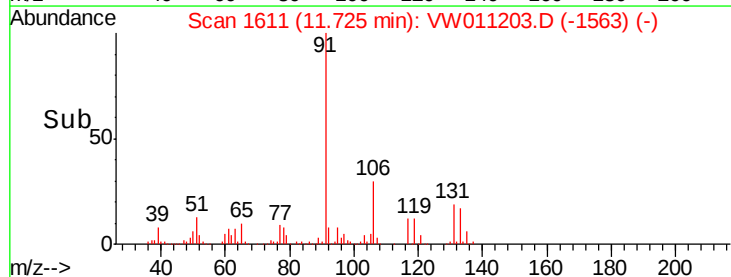
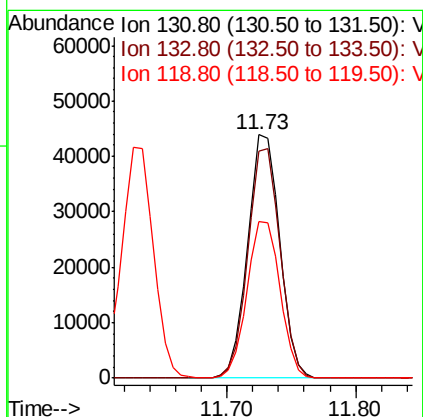
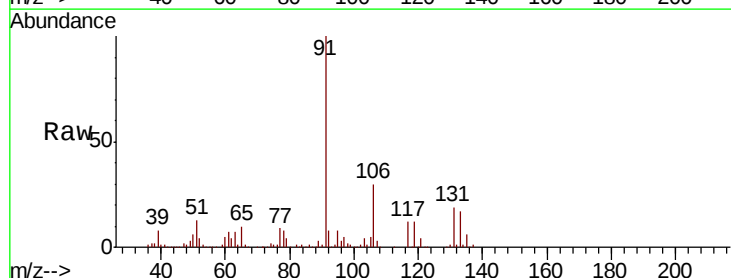
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

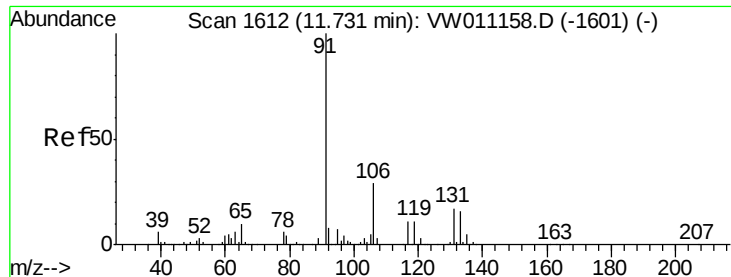
Tot Ion:112 Resp: 215938
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 47.869 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion:131 Resp: 75283
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.8
119 66.3 33.1 99.2

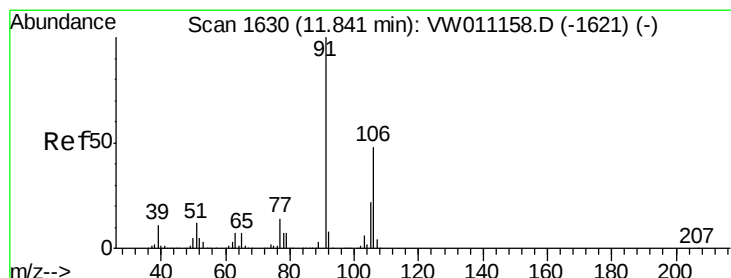
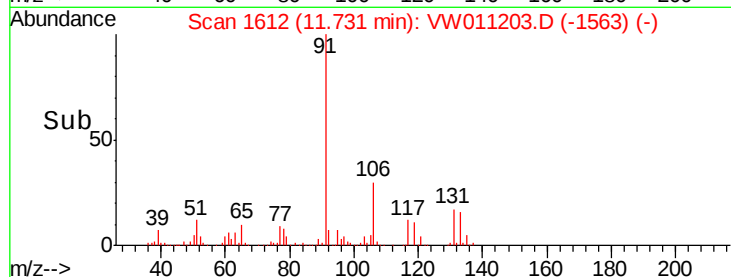
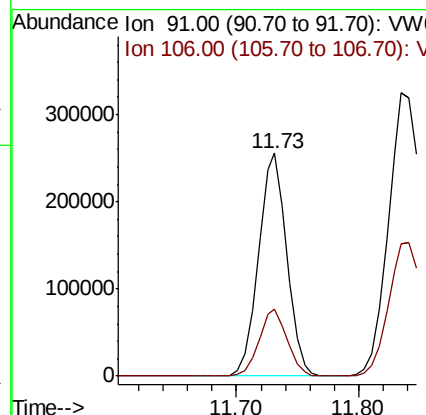
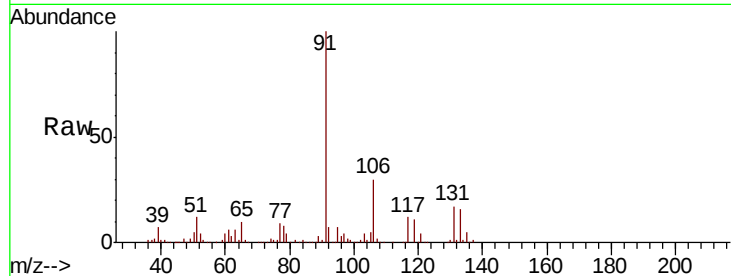




#67
Ethyl Benzene
Concen: 48.109 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

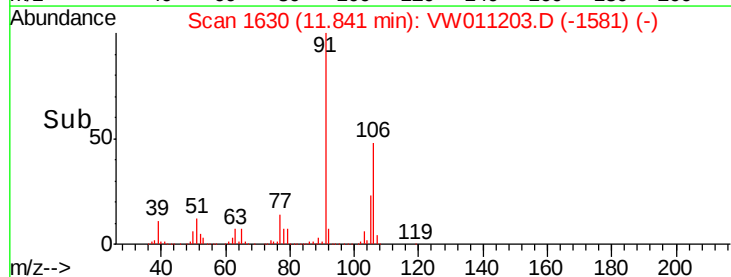
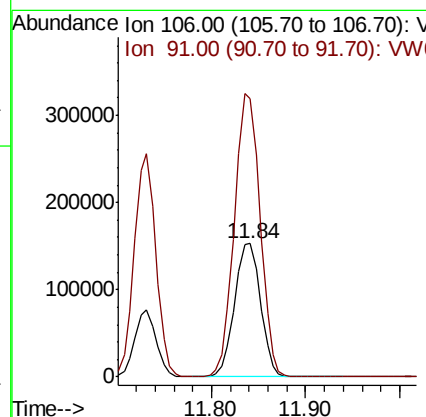
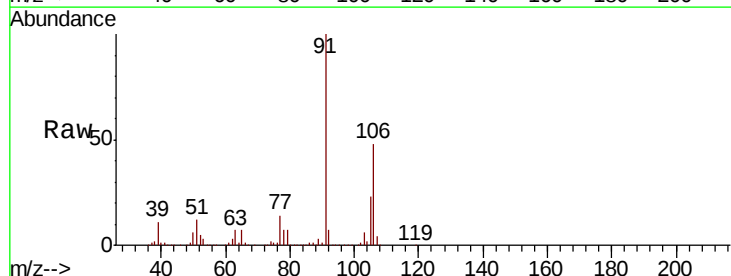
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

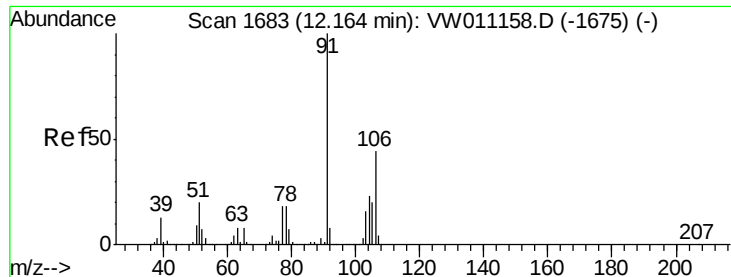
Tot Ion: 91 Resp: 411359
Ion Ratio Lower Upper
91 100
106 30.0 23.5 35.3



#68
m/p-Xylenes
Concen: 94.826 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 106 Resp: 293389
Ion Ratio Lower Upper
106 100
91 210.2 167.7 251.5

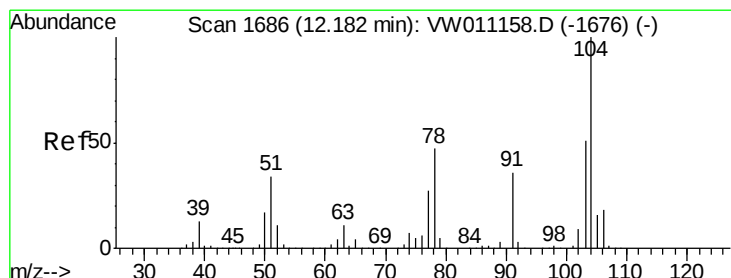
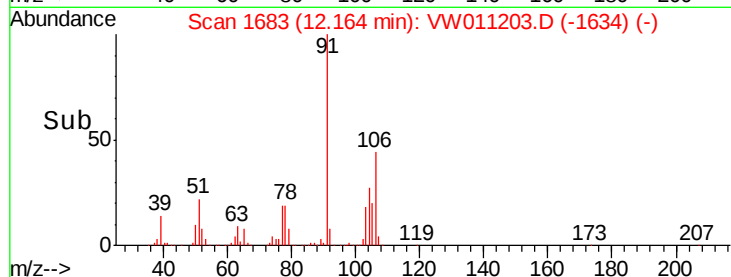
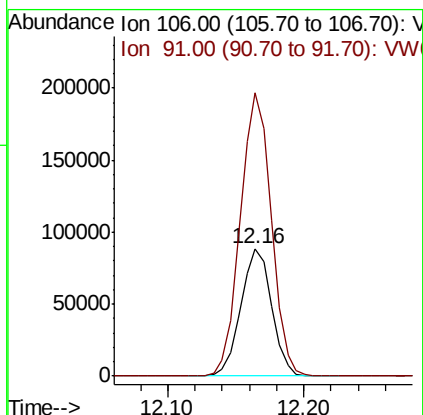
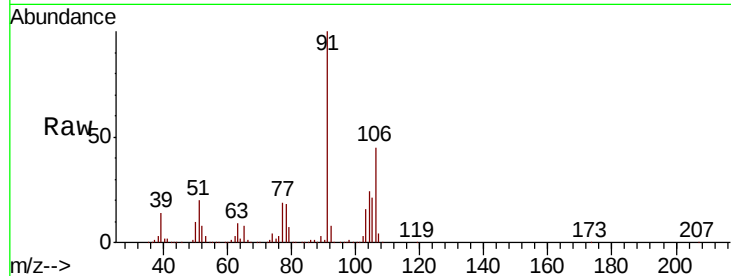




#69
o-Xylene
Concen: 47.872 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

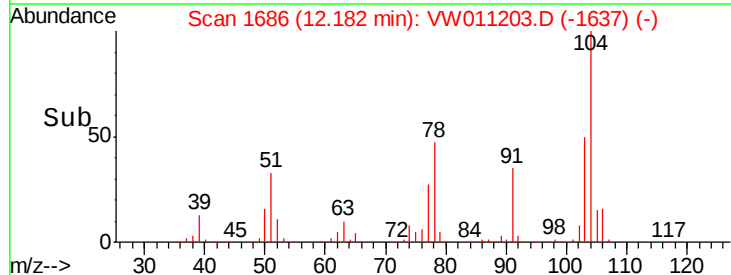
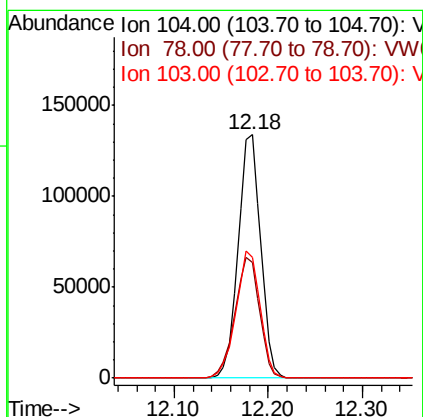
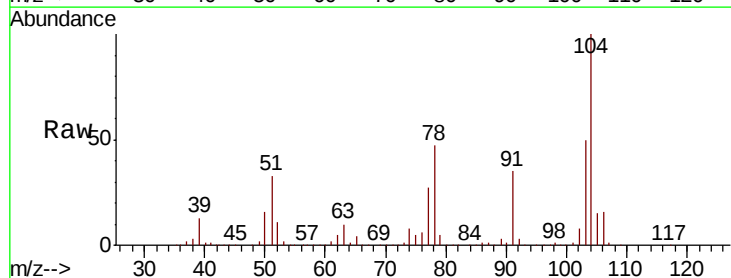
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

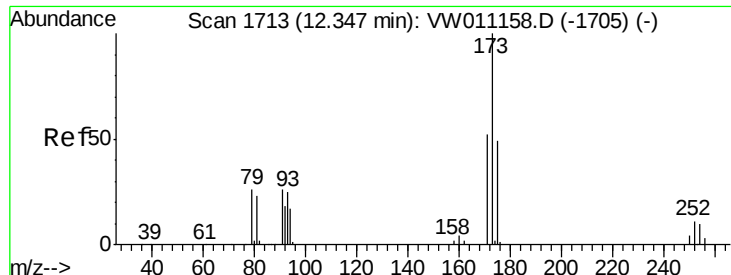
Tot Ion:106 Resp: 139599
Ion Ratio Lower Upper
106 100
91 224.5 110.7 332.1



#70
Styrene
Concen: 44.247 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion:104 Resp: 222682
Ion Ratio Lower Upper
104 100
78 54.3 43.1 64.7
103 55.9 44.1 66.1

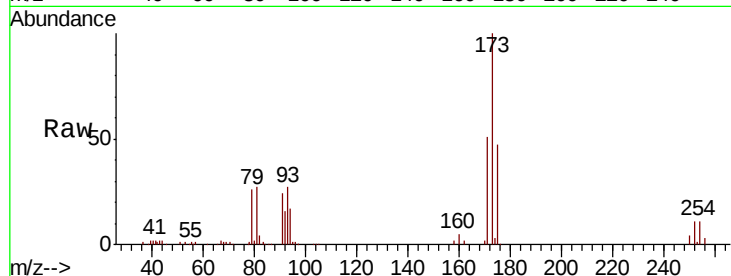




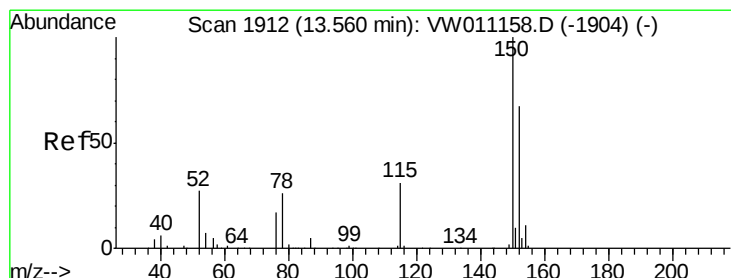
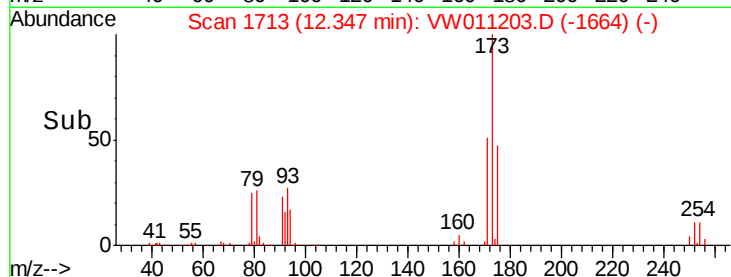
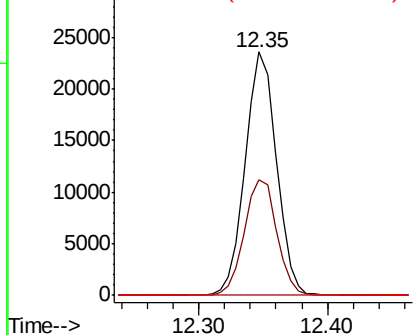
#71
Bromoform
Concen: 47.290 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion:173 Resp: 39542
Ion Ratio Lower Upper
173 100
175 48.9 24.8 74.3
254 0.0 0.0 0.0

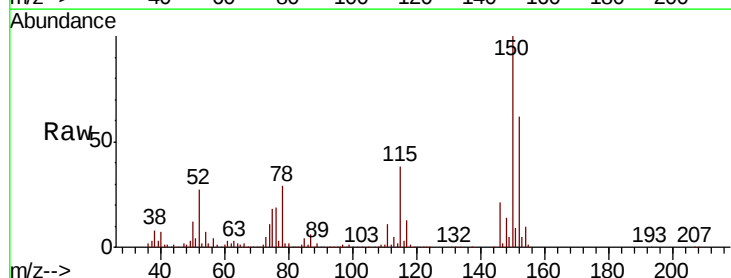


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

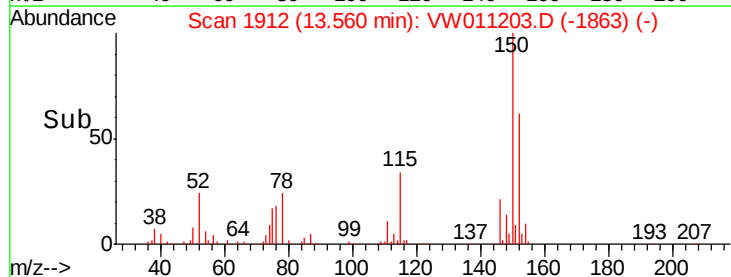
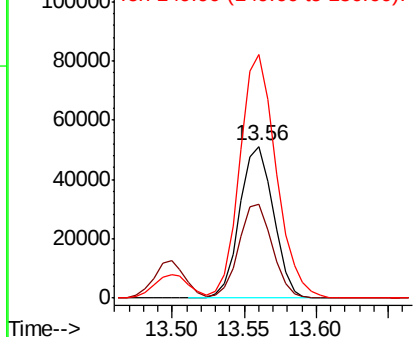


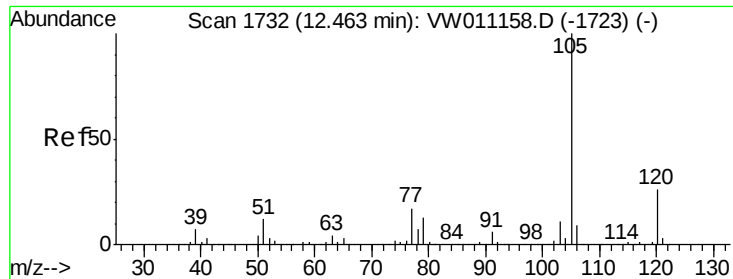
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion:152 Resp: 83247
Ion Ratio Lower Upper
152 100
115 61.7 30.1 90.3
150 172.7 0.0 346.0



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

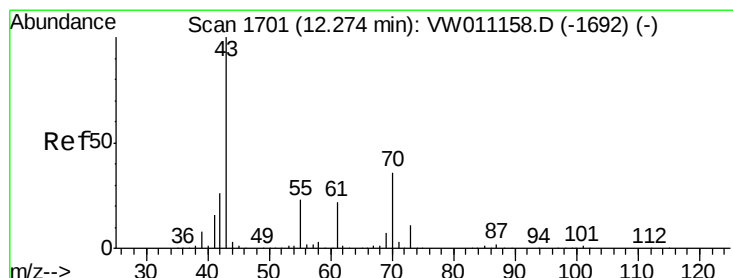
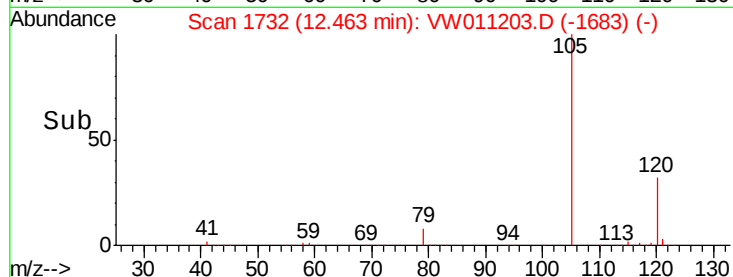
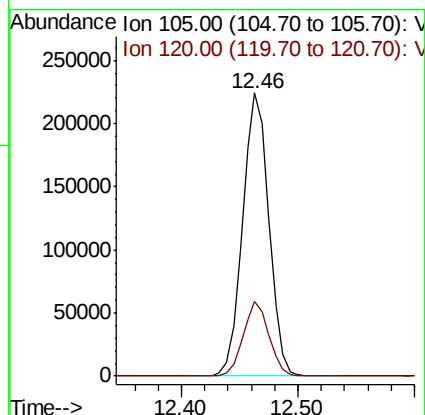
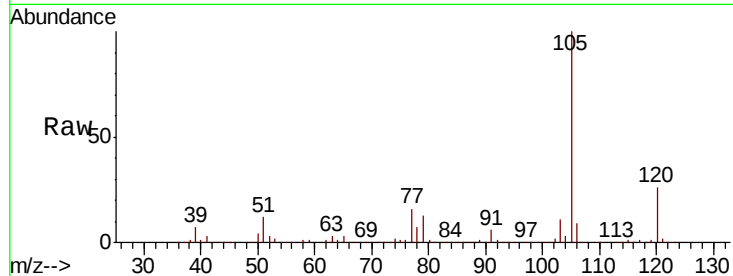




#73
Isopropylbenzene
Concen: 56.639 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

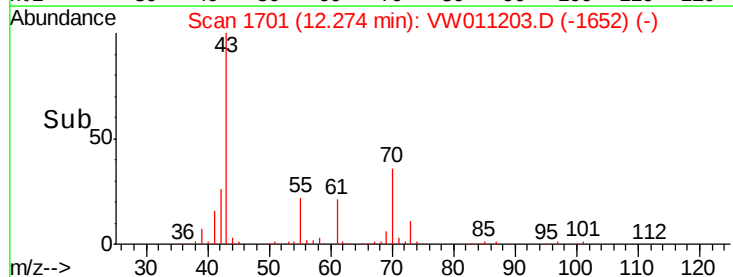
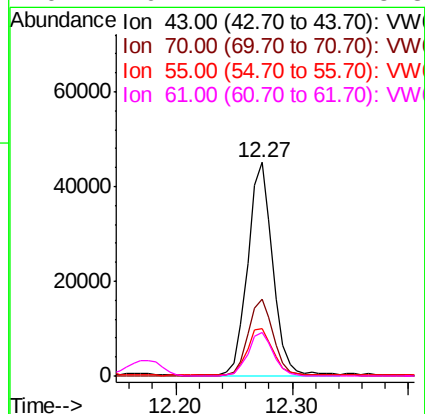
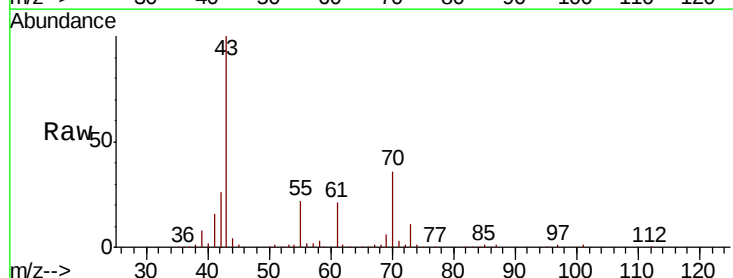
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

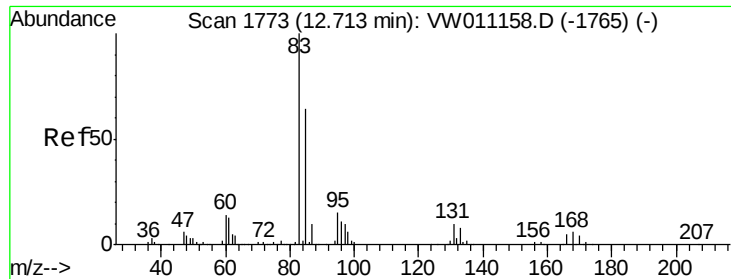
Tot Ion:105 Resp: 352466
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3



#74
N-ethyl acetate
Concen: 31.141 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 43 Resp: 67493
Ion Ratio Lower Upper
43 100
70 36.5 28.5 42.7
55 22.6 18.1 27.1
61 20.7 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 70.077 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

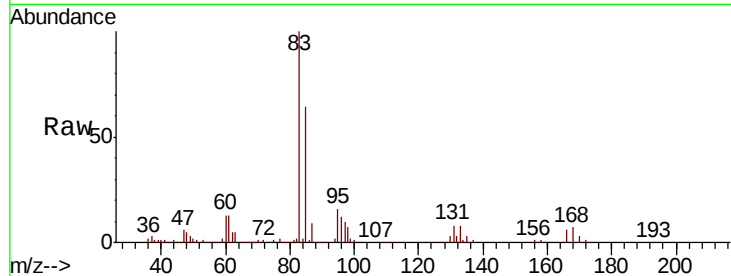
Tot Ion: 83 Resp: 89392

Ion Ratio Lower Upper

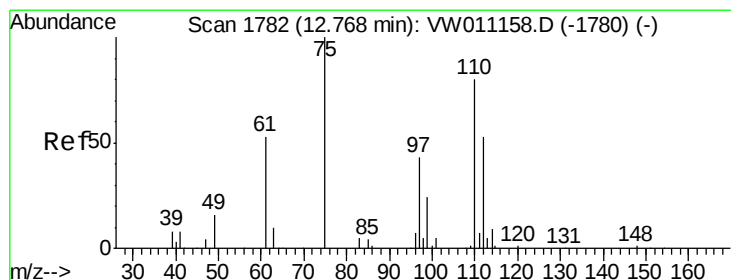
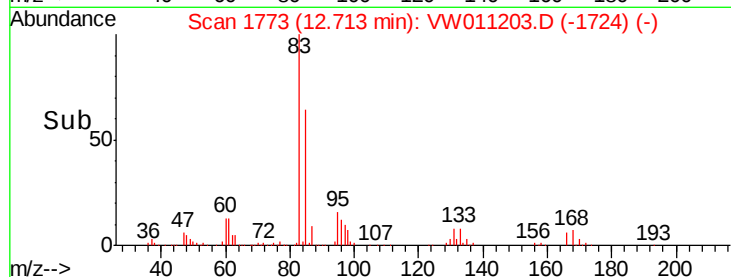
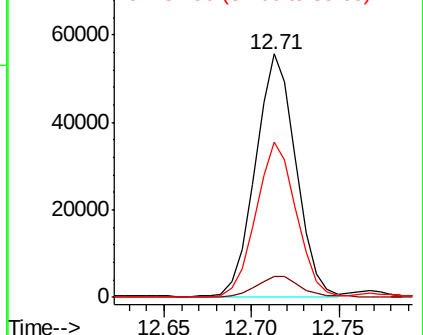
83 100

131 9.6 5.0 15.0

85 64.1 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 113.460 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011203.D

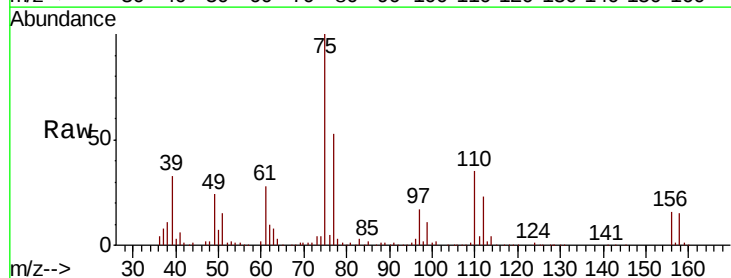
Acq: 10 Jul 2019 21:50

Tgt Ion: 75 Resp: 109151

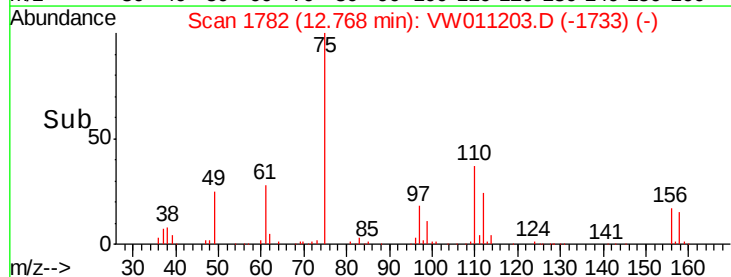
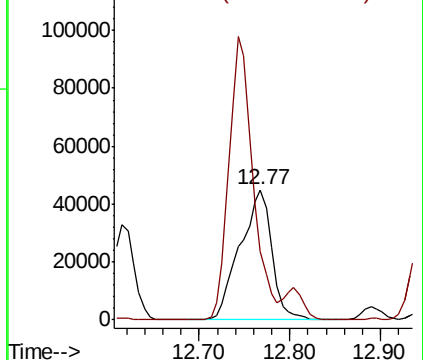
Ion Ratio Lower Upper

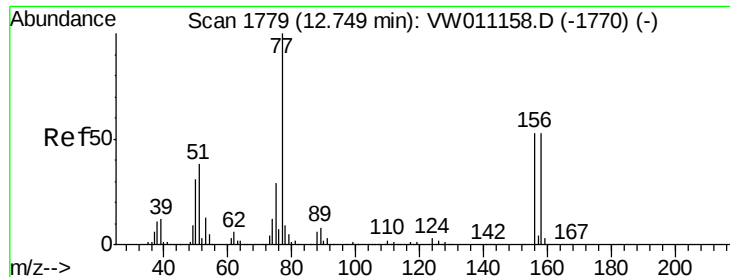
75 100

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: 58.806 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

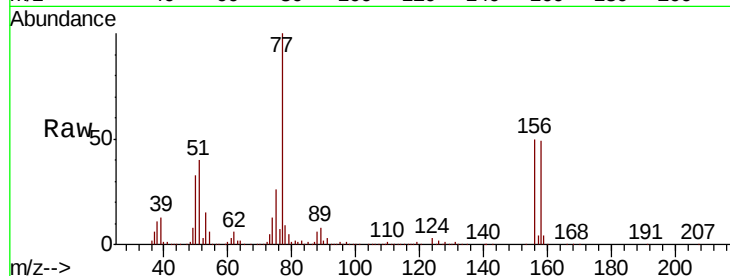
Tot Ion:156 Resp: 82126

Ion Ratio Lower Upper

156 100

77 219.0 109.0 327.0

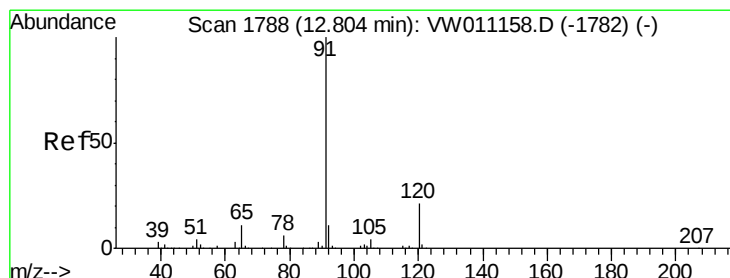
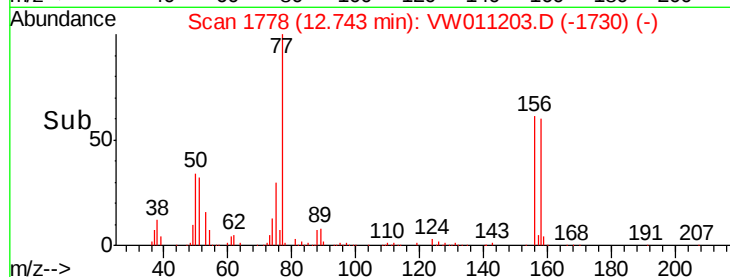
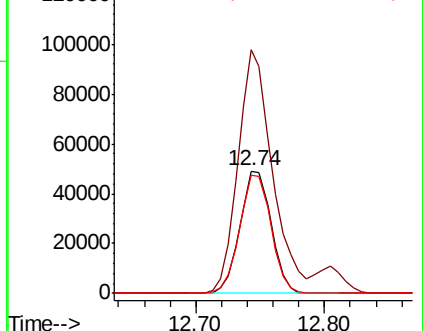
158 97.3 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.062 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011203.D

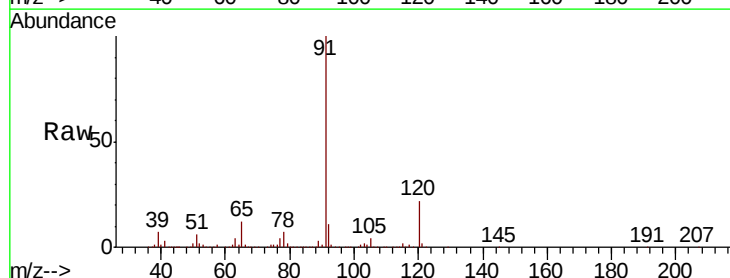
Acq: 10 Jul 2019 21:50

Tgt Ion: 91 Resp: 399104

Ion Ratio Lower Upper

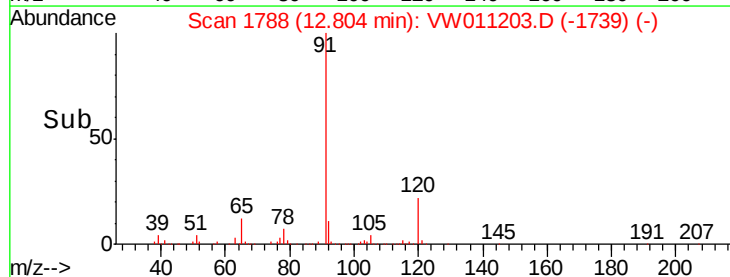
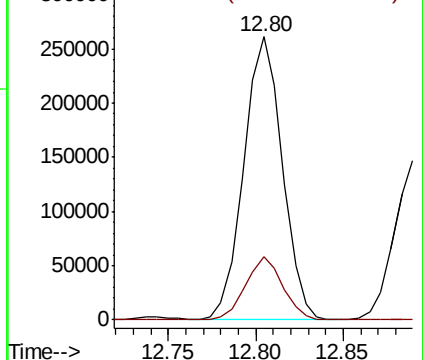
91 100

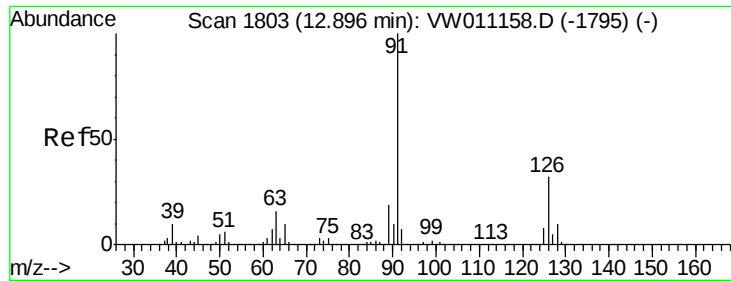
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

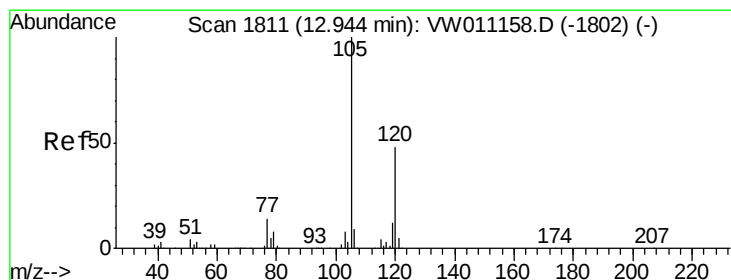
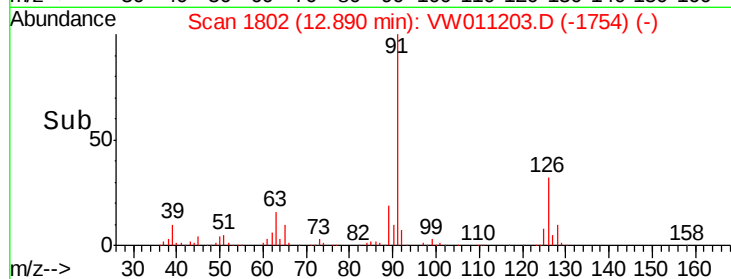
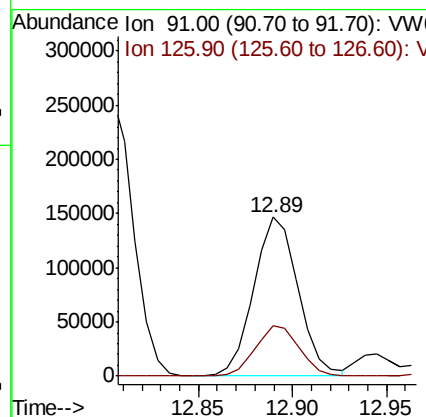
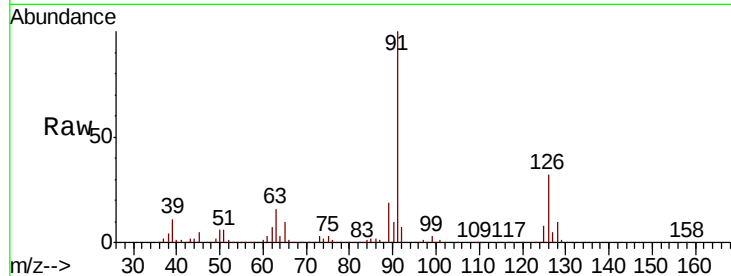




#79
 2-Chlorotoluene
 Concen: 54.268 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

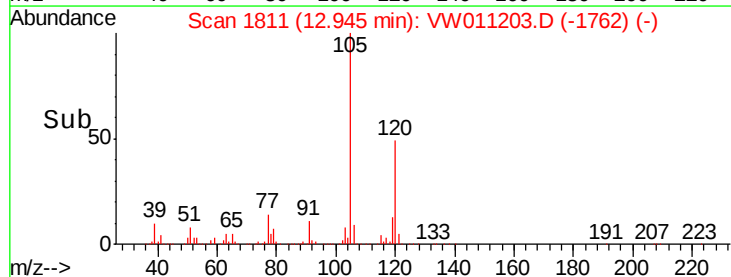
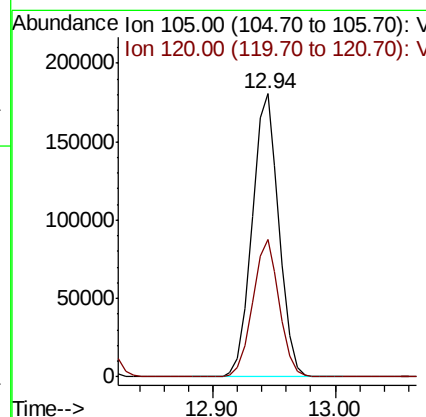
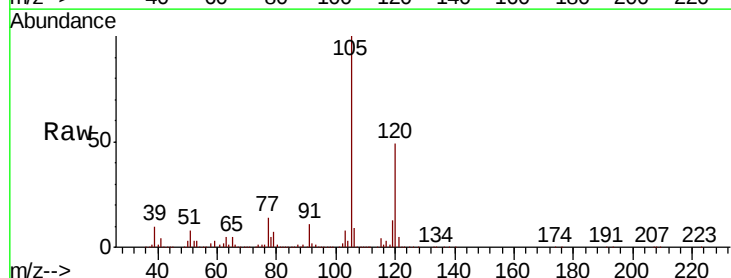
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

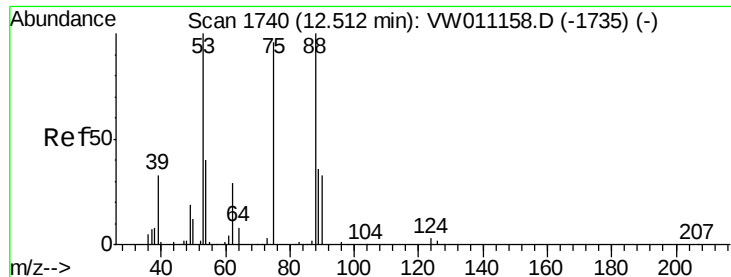
Tot Ion: 91 Resp: 239393
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 51.715 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 105 Resp: 273407
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.251 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

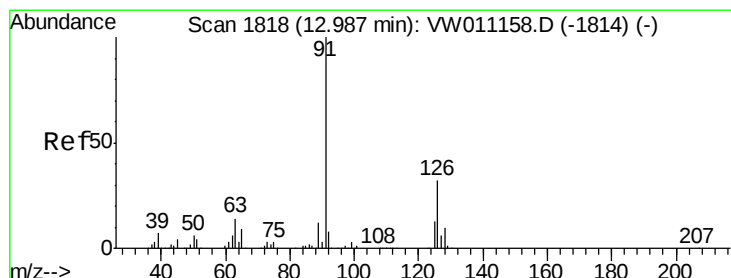
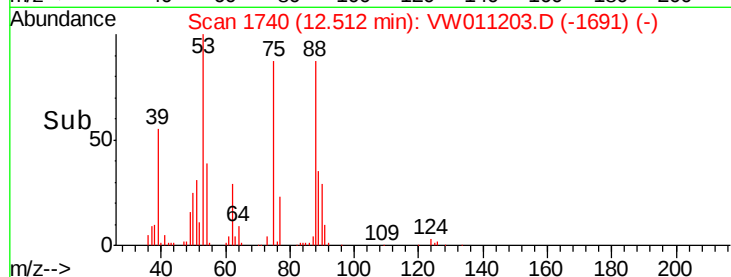
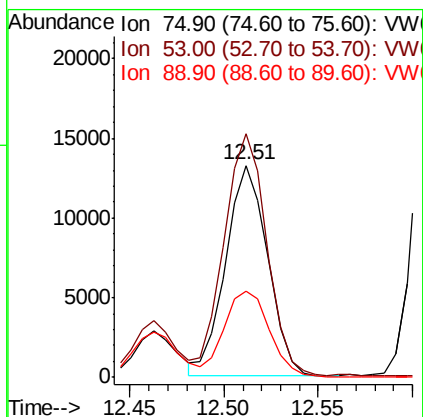
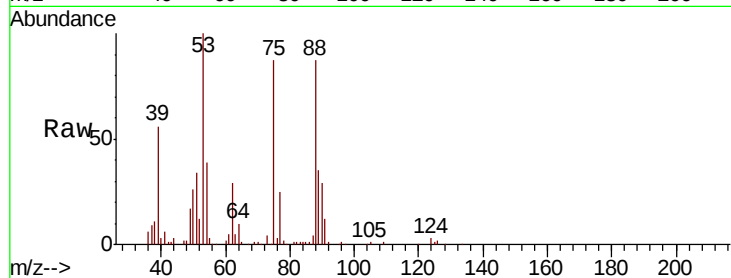
Tot Ion: 75 Resp: 20523

Ion Ratio Lower Upper

75 100

53 116.6 89.8 134.6

89 44.1 34.3 51.5



#82

4-Chlorotoluene

Concen: 52.928 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011203.D

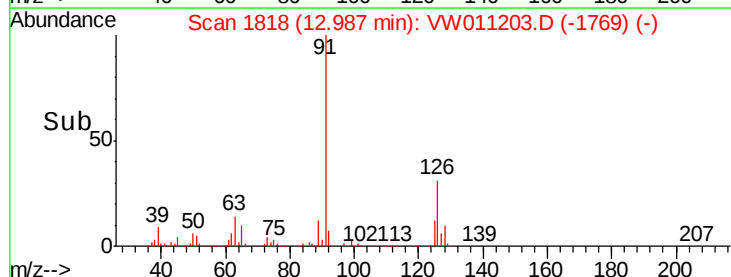
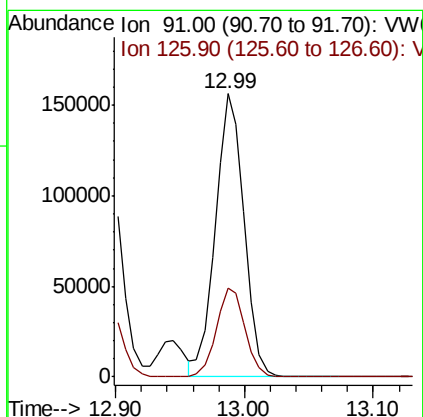
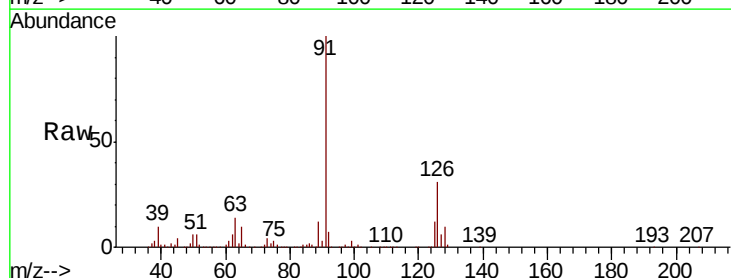
Acq: 10 Jul 2019 21:50

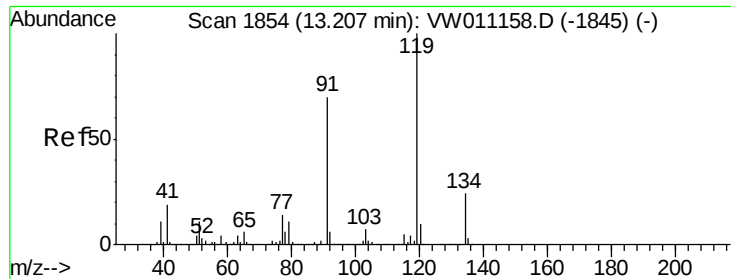
Tgt Ion: 91 Resp: 243187

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.1

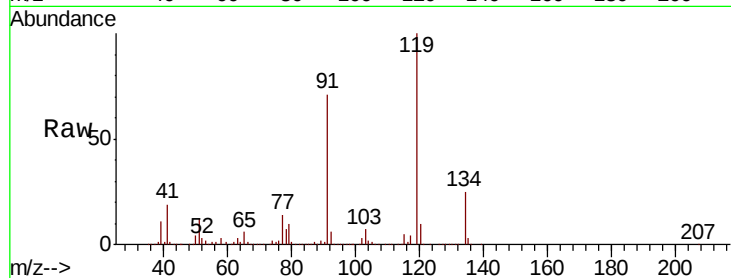




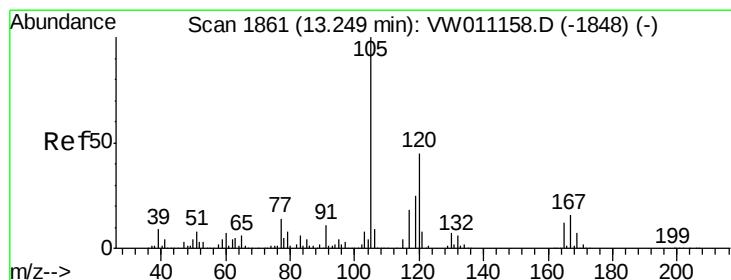
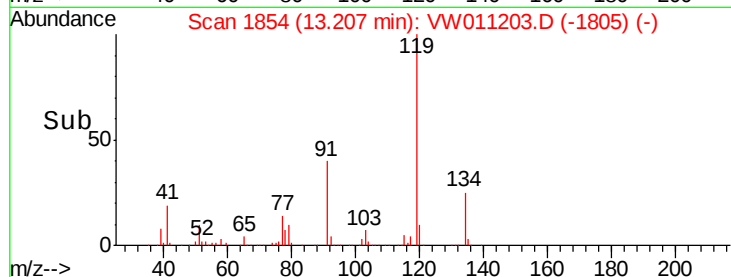
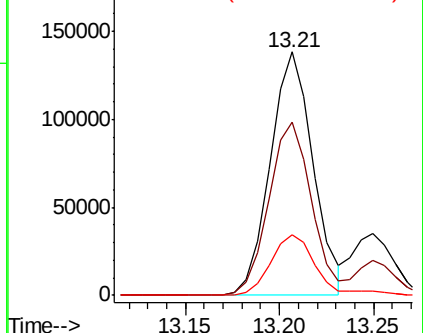
#83
tert-Butylbenzene
Concen: 49.469 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion:119 Resp: 218116
Ion Ratio Lower Upper
119 100
91 70.5 35.4 106.3
134 26.5 13.4 40.2

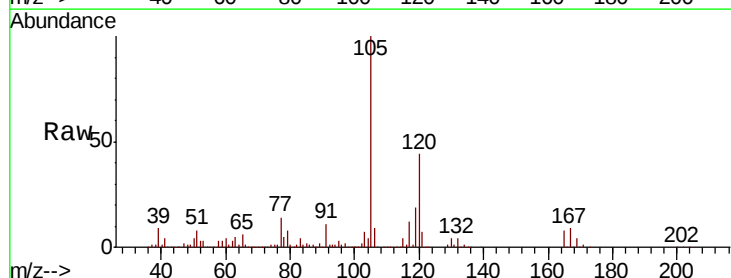


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

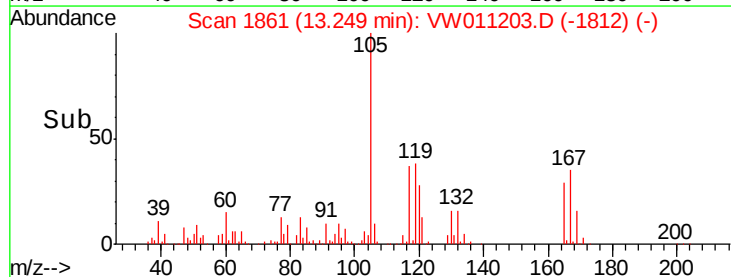
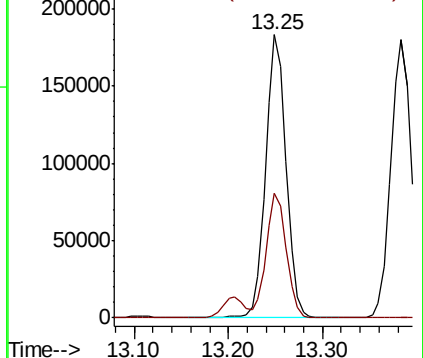


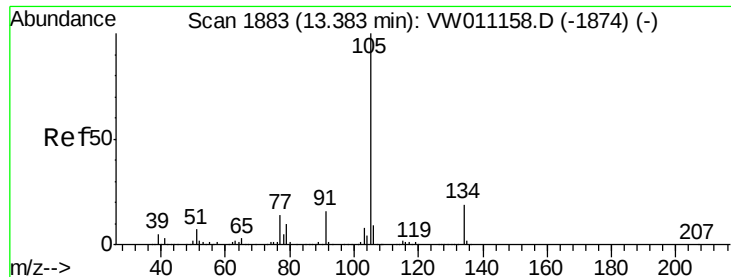
#84
1,2,4-Trimethylbenzene
Concen: 52.809 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion:105 Resp: 280341
Ion Ratio Lower Upper
105 100
120 43.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 43.022 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

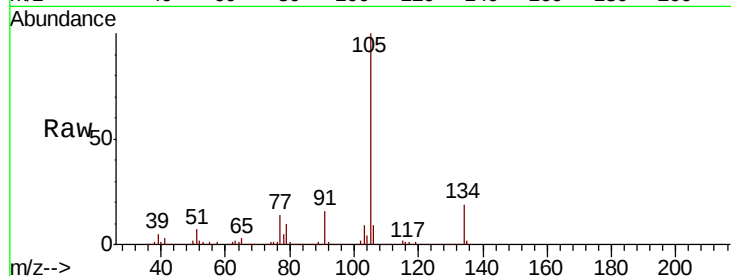
KY030LC068-SD-190709MS

Tot Ion:105 Resp: 273712

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

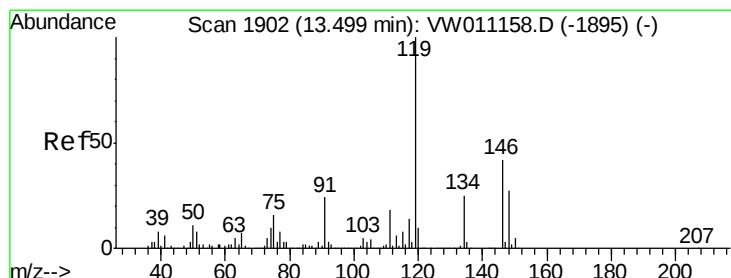
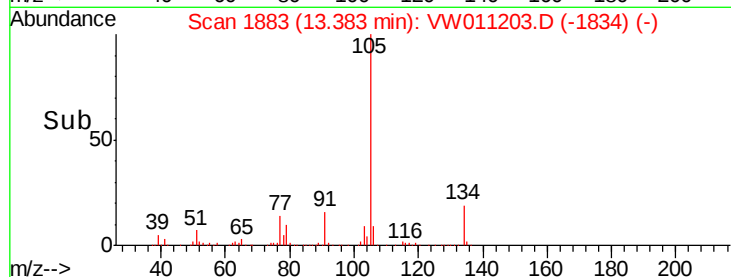
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 43.587 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

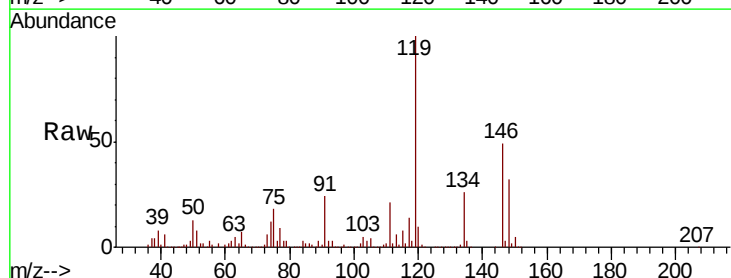
Tgt Ion:119 Resp: 248723

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.6

91 24.6 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

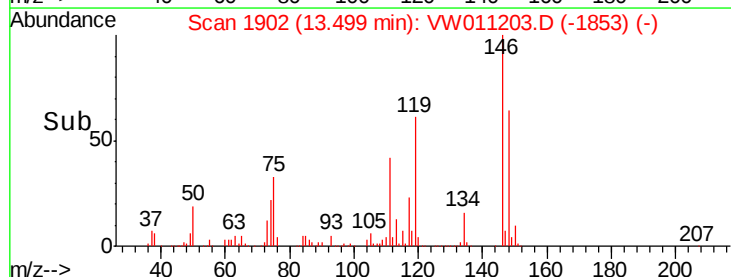
150000

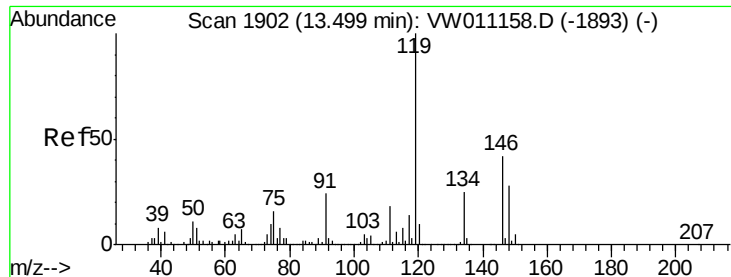
100000

50000

0

Time--> 13.40 13.50 13.60





#87

1,3-Dichlorobenzene

Concen: 47.809 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

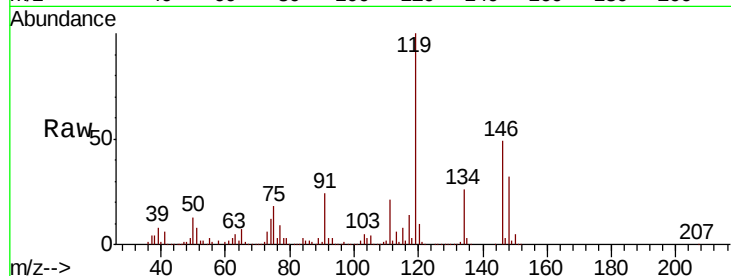
Tot Ion:146 Resp: 128462

Ion Ratio Lower Upper

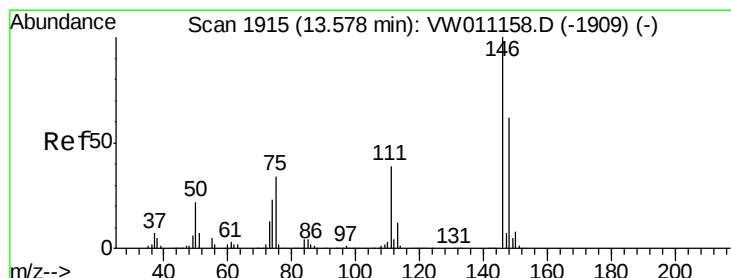
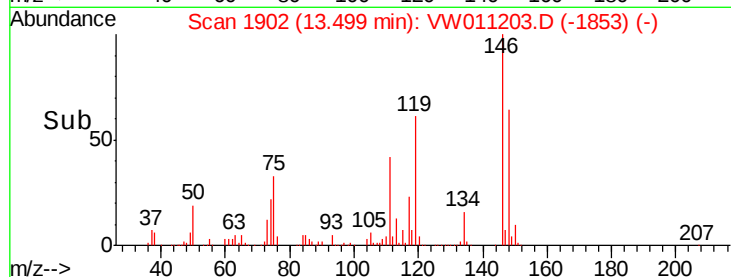
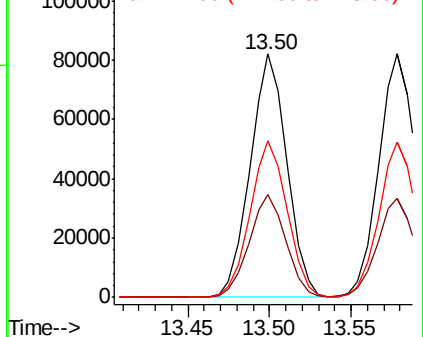
146 100

111 41.6 21.1 63.1

148 64.5 32.6 97.7



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



#88

1,4-Dichlorobenzene

Concen: 48.226 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

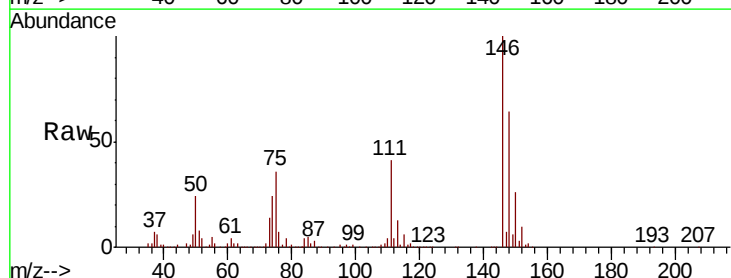
Tgt Ion:146 Resp: 130487

Ion Ratio Lower Upper

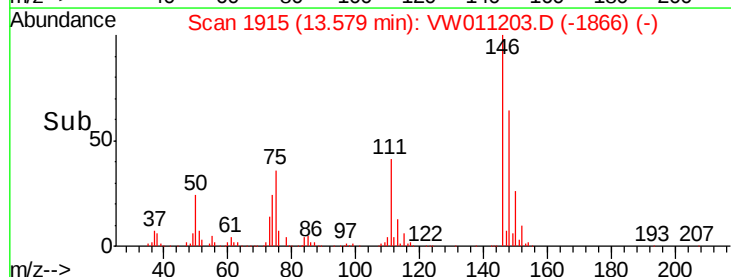
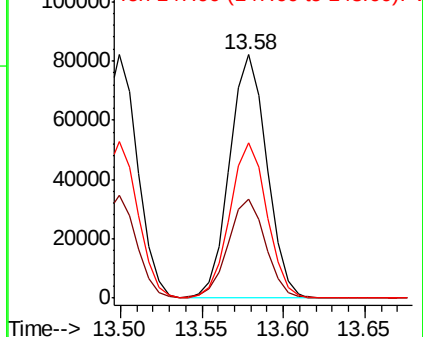
146 100

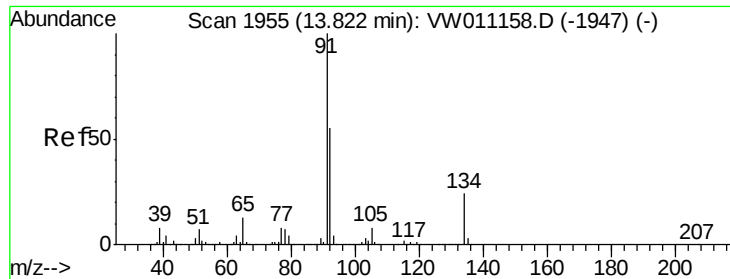
111 41.1 19.9 59.7

148 63.6 31.5 94.5



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





#89

n-Butylbenzene

Concen: 35.185 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

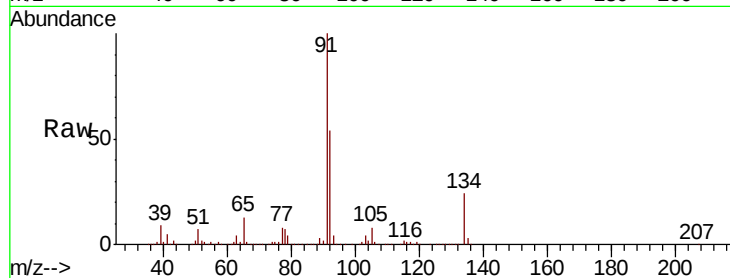
Tot Ion: 91 Resp: 200291

Ion Ratio Lower Upper

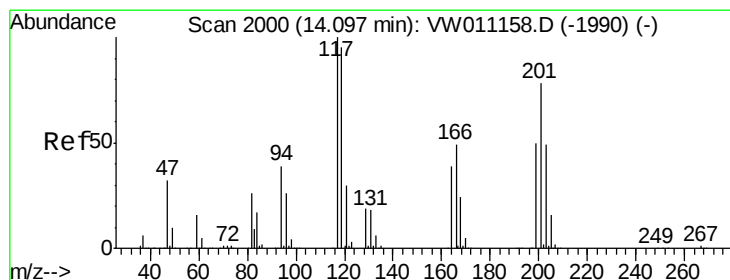
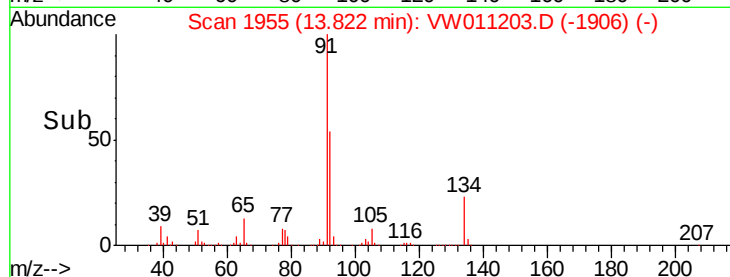
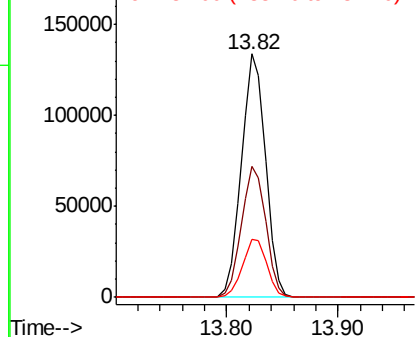
91 100

92 54.3 26.9 80.7

134 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 11.586 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011203.D

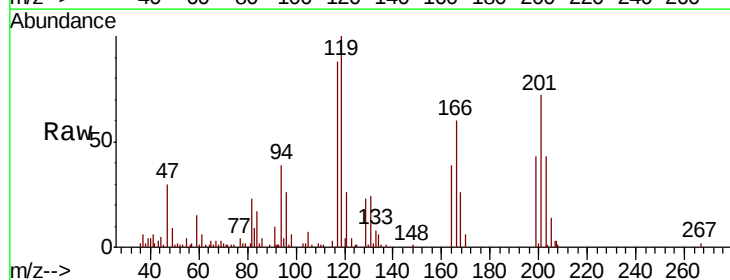
Acq: 10 Jul 2019 21:50

Tgt Ion: 117 Resp: 12081

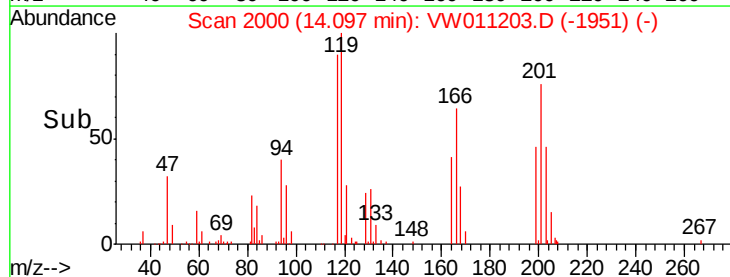
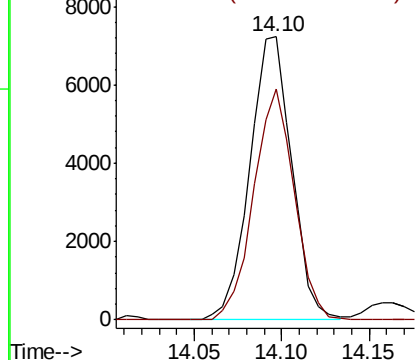
Ion Ratio Lower Upper

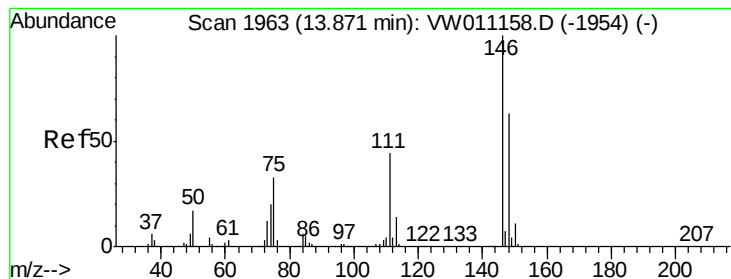
117 100

201 78.7 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.561 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

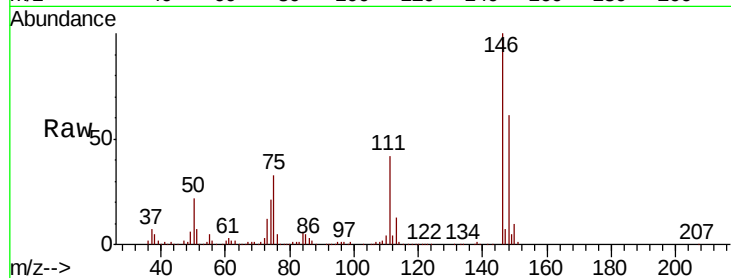
Tot Ion:146 Resp: 120812

Ion Ratio Lower Upper

146 100

111 43.5 21.6 65.0

148 63.1 31.9 95.5

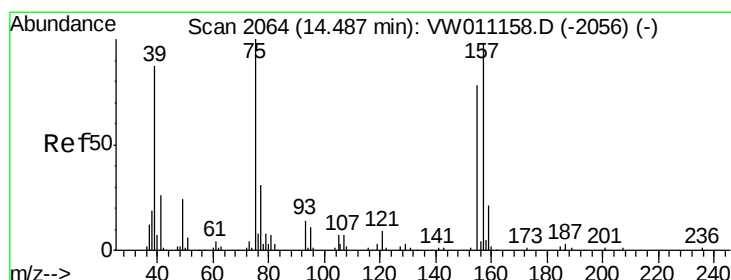
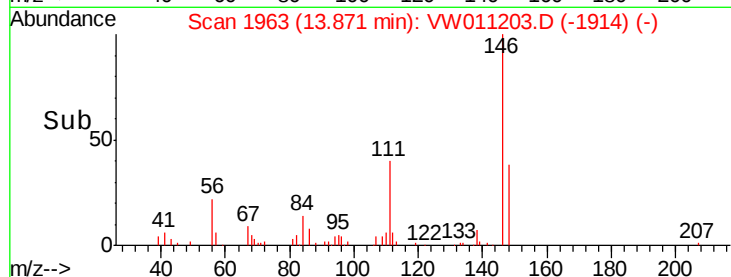
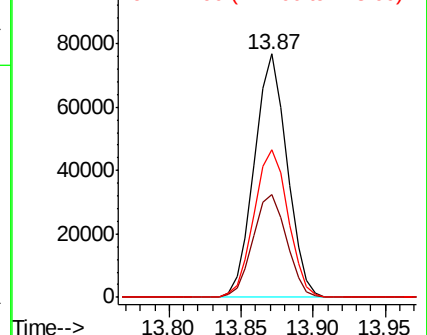


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 65.087 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

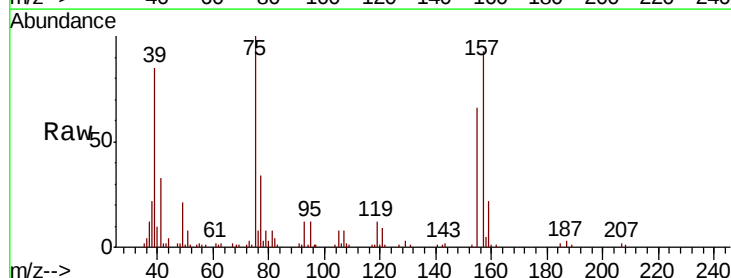
Tgt Ion: 75 Resp: 14727

Ion Ratio Lower Upper

75 100

155 73.9 37.1 111.3

157 97.4 48.5 145.6

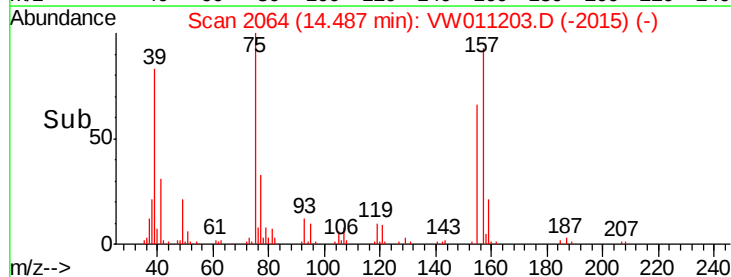
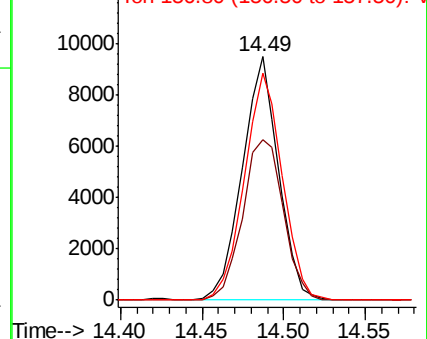


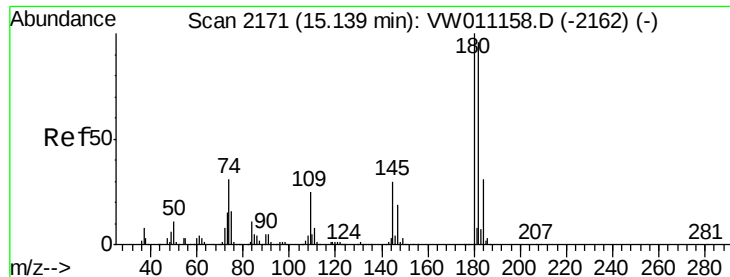
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

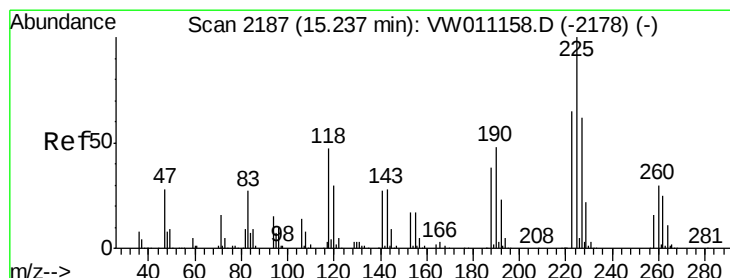
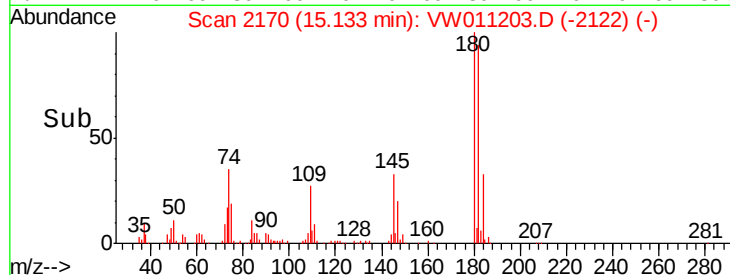
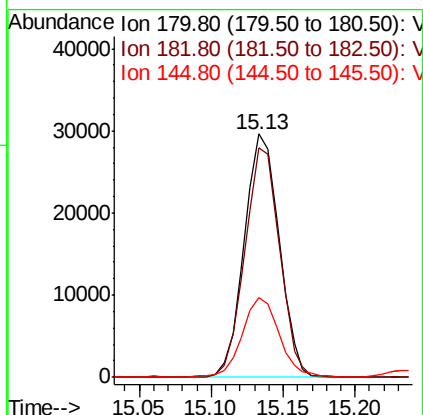
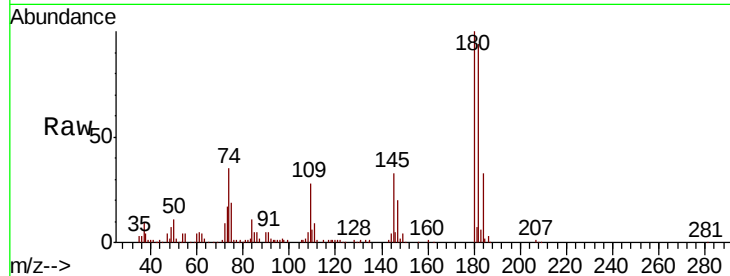




#93
 1,2,4-Trichlorobenzene
 Concen: 29.621 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

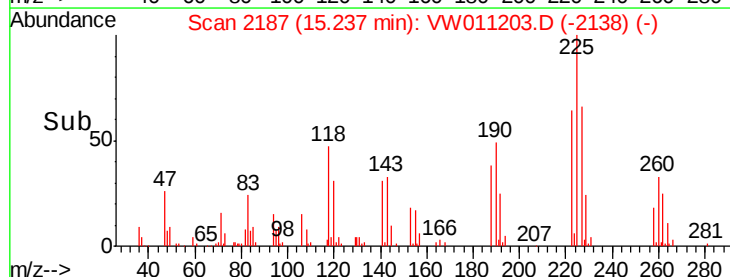
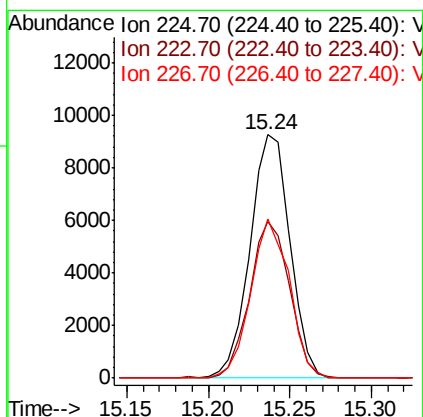
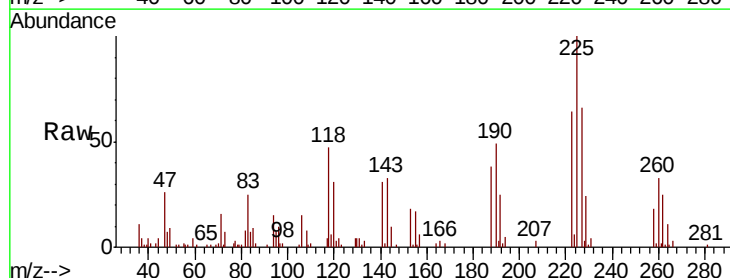
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

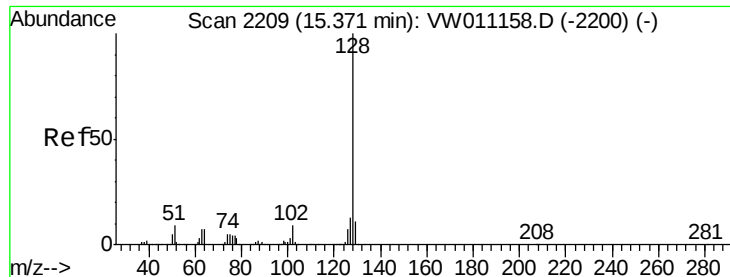
Tot Ion:180 Resp: 49733
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.3 144.9
 145 34.5 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 15.369 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion:225 Resp: 15842
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.6 95.0
 227 63.3 32.0 96.0

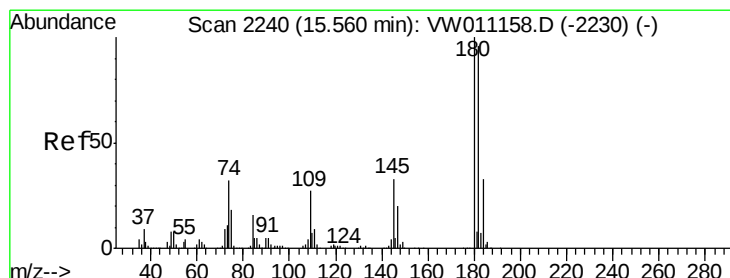
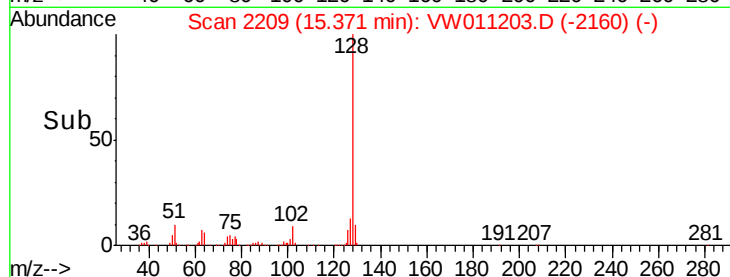
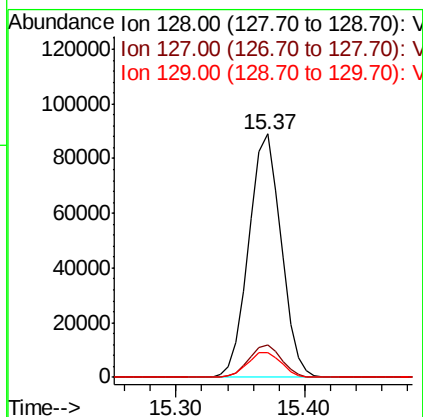
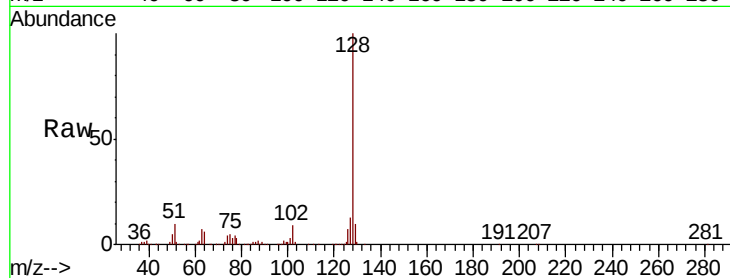




#95
Naphthalene
Concen: 47.940 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion:128 Resp: 154243
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 29.536 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion:180 Resp: 43766
Ion Ratio Lower Upper
180 100
182 96.3 47.6 142.8
145 33.9 16.5 49.5

