

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011204.D
 Acq On : 10 Jul 2019 22:17
 Operator : SY/VA
 Sample : K3733-03MSD
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

Quant Time: Jul 11 08:09:06 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	170090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	281246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	238341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101669	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	83687	39.16	ug/l	0.00
Spiked Amount			Recovery	=	78.32%	
35) Dibromofluoromethane	7.88	113	65708	39.20	ug/l	0.00
Spiked Amount			Recovery	=	78.40%	
50) Toluene-d8	10.32	98	255692	37.73	ug/l	0.00
Spiked Amount			Recovery	=	75.46%	
62) 4-Bromofluorobenzene	12.62	95	86728	34.92	ug/l	0.00
Spiked Amount			Recovery	=	69.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	56388	44.451	ug/l	98
3) Chloromethane	2.21	50	75794	46.369	ug/l	98
4) Vinyl Chloride	2.36	62	104782	48.976	ug/l	97
5) Bromomethane	2.77	94	49920	46.435	ug/l	99
6) Chloroethane	2.92	64	57822	50.177	ug/l	96
7) Trichlorofluoromethane	3.25	101	36287	47.744	ug/l	97
8) Diethyl Ether	3.68	74	55038	52.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	89138	48.963	ug/l	100
10) Methyl Iodide	4.27	142	106448	42.513	ug/l	99
11) Tert butyl alcohol	5.17	59	41018	259.223	ug/l	98
12) 1,1-Dichloroethene	4.03	96	97423	51.559	ug/l	98
13) Acrolein	3.89	56	9919	78.722	ug/l	92
14) Allyl chloride	4.66	41	168619	48.937	ug/l	99
15) Acrylonitrile	5.36	53	138790	259.139	ug/l	100
16) Acetone	4.12	43	153819	299.116	ug/l	99
17) Carbon Disulfide	4.38	76	276689	48.301	ug/l	99
18) Methyl Acetate	4.67	43	129331	80.420	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	160136	55.854	ug/l	99
20) Methylene Chloride	4.92	84	105086	51.801	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	95579	48.680	ug/l	97
22) Diisopropyl ether	6.31	45	385135	51.968	ug/l	96
23) Vinyl Acetate	6.25	43	441265	96.211	ug/l	99
24) 1,1-Dichloroethane	6.21	63	197426	50.732	ug/l	99
25) 2-Butanone	7.17	43	217644	269.618	ug/l	98
26) 2,2-Dichloropropane	7.16	77	90466	44.721	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	105205	49.673	ug/l	99
28) Bromochloromethane	7.51	49	83631	47.263	ug/l #	99
29) Tetrahydrofuran	7.52	42	139555	263.656	ug/l	100
30) Chloroform	7.67	83	179017	49.672	ug/l	98
31) Cyclohexane	7.95	56	185864	44.894	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	134426	49.033	ug/l	98
36) 1,1-Dichloropropene	8.08	75	144828	48.357	ug/l	100
37) Ethyl Acetate	7.25	43	78876	43.833	ug/l	99
38) Carbon Tetrachloride	8.07	117	88802	34.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	149430	41.164	ug/l	98
40) Benzene	8.32	78	411798	49.752	ug/l	99
41) Methacrylonitrile	7.48	41	57781	56.143	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	134224	49.990	ug/l	100
43) Isopropyl Acetate	8.42	43	156716	46.128	ug/l	98
44) Trichloroethene	9.09	130	106921	53.681	ug/l	99
45) 1,2-Dichloropropane	9.37	63	111591	49.786	ug/l	97
46) Dibromomethane	9.46	93	52402	49.770	ug/l	99
47) Bromodichloromethane	9.64	83	119553	44.377	ug/l	98
48) Methyl methacrylate	9.43	41	86423	52.875	ug/l	97
49) 1,4-Dioxane	9.45	88	19133	1088.670	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	474880	267.582	ug/l	99
52) Toluene	10.38	92	246540	49.102	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	123924	43.215	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	144451	42.796	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	76452	51.183	ug/l	98
56) Ethyl methacrylate	10.65	69	109661	48.221	ug/l	99
57) 1,3-Dichloropropane	10.93	76	140244	49.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	266340	252.627	ug/l	100
59) 2-Hexanone	10.97	43	326221	265.056	ug/l	100
60) Dibromochloromethane	11.13	129	69597	42.491	ug/l	99
61) 1,2-Dibromoethane	11.23	107	69811	49.341	ug/l	100
64) Tetrachloroethene	10.86	164	97907	60.877	ug/l	97
65) Chlorobenzene	11.66	112	236596	48.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	74901	43.900	ug/l	100
67) Ethyl Benzene	11.73	91	453697	48.908	ug/l	100
68) m/p-Xylenes	11.84	106	325954	97.108	ug/l	100
69) o-Xylene	12.16	106	153543	48.533	ug/l	100
70) Styrene	12.18	104	240651	44.076	ug/l	99
71) Bromoform	12.35	173	37427	41.258	ug/l #	99
73) Isopropylbenzene	12.46	105	406863	53.534	ug/l	100
74) N-amyl acetate	12.27	43	82143	31.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	92297	59.244	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	112027	95.349	ug/l #	100
77) Bromobenzene	12.74	156	90983	53.343	ug/l	99
78) n-propylbenzene	12.80	91	476471	50.893	ug/l	100
79) 2-Chlorotoluene	12.89	91	274607	50.971	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	328060	50.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	20722	39.892	ug/l	97
82) 4-Chlorotoluene	12.99	91	287591	51.251	ug/l	99
83) tert-Butylbenzene	13.21	119	267351	49.649	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	331344	51.107	ug/l	99
85) sec-Butylbenzene	13.38	105	362082	46.600	ug/l	100
86) p-Isopropyltoluene	13.50	119	324647	46.584	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	159106	48.485	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	159222	48.184	ug/l	99
89) n-Butylbenzene	13.82	91	290816	41.831	ug/l	99
90) Hexachloroethane	14.10	117	36226	28.446	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	145127	48.748	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15755	57.013	ug/l	96

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Response via : Initial Calibration

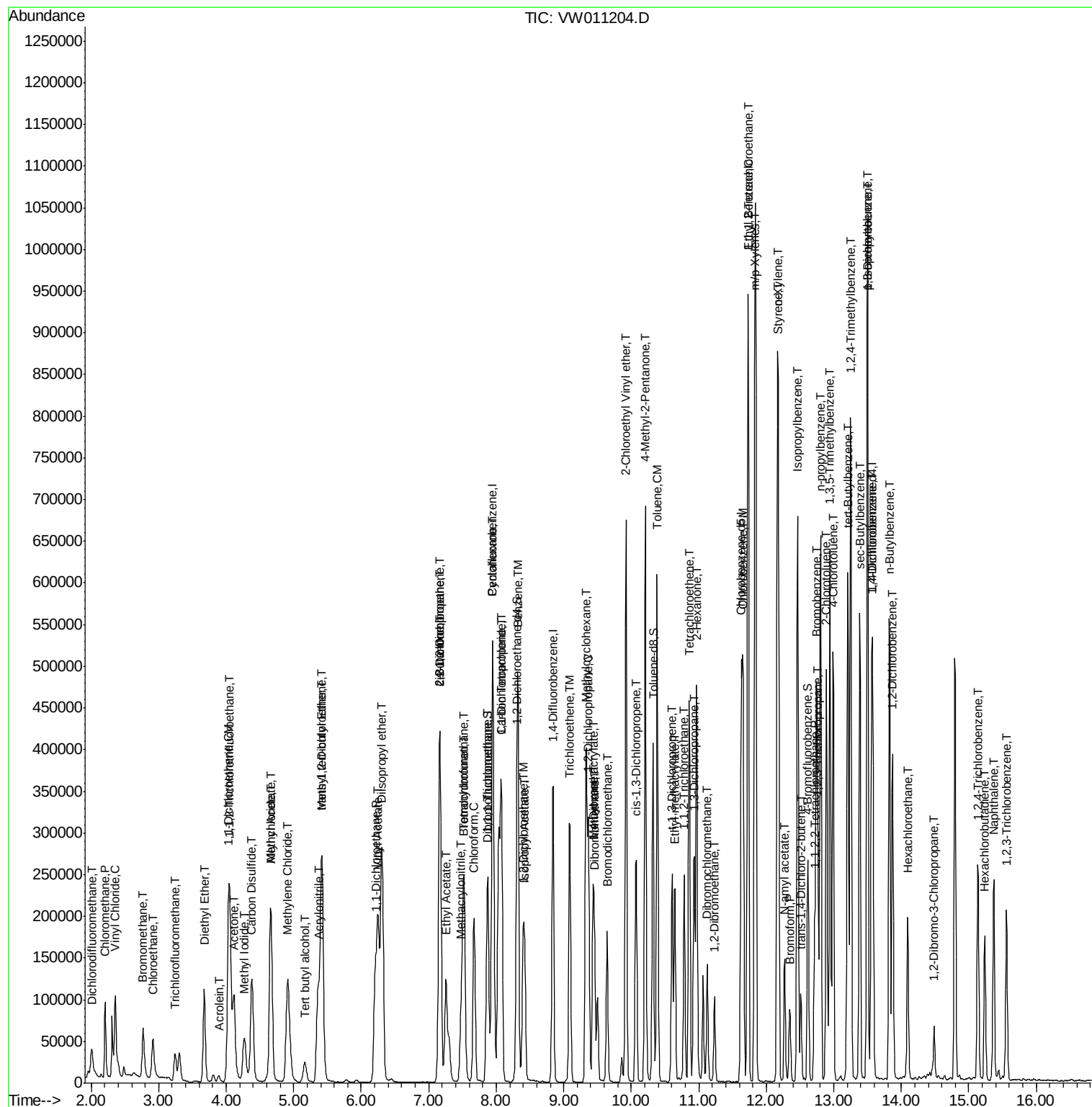
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79776	38.905	ug/l	98
94) Hexachlorobutadiene	15.24	225	31670	25.157	ug/l	99
95) Naphthalene	15.37	128	196158	49.920	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	68836	38.037	ug/l	98

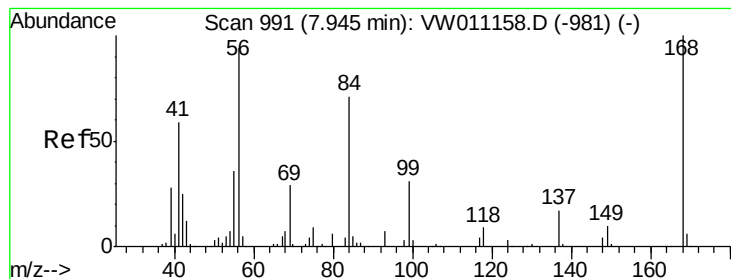
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

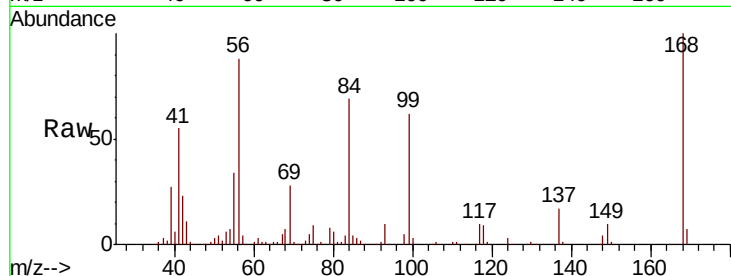
KY030LC068-SD-190709MSD

Tot Ion:168 Resp: 170090

Ion Ratio Lower Upper

168 100

99 61.6 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

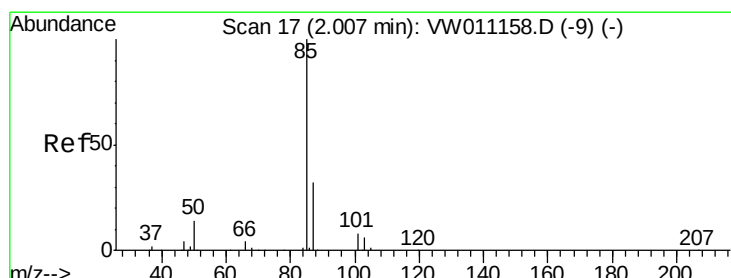
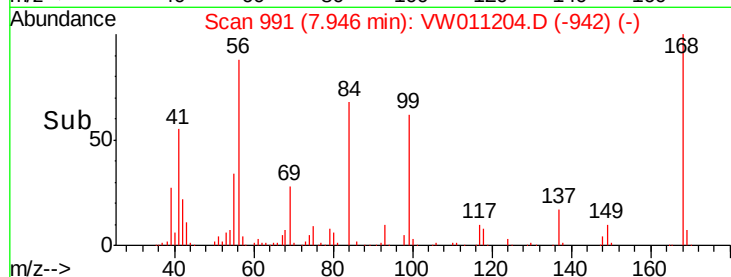
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 44.451 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011204.D

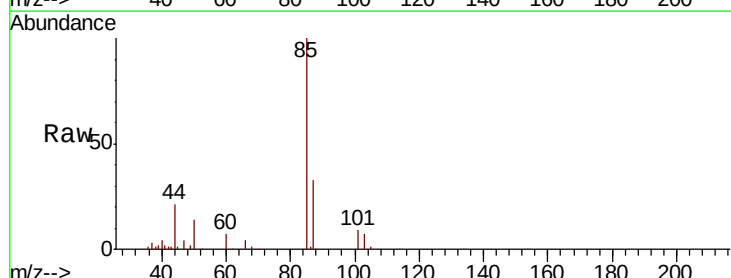
Acq: 10 Jul 2019 22:17

Tgt Ion: 85 Resp: 56388

Ion Ratio Lower Upper

85 100

87 32.6 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

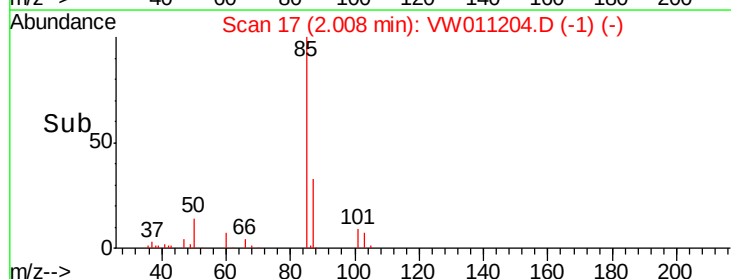
15000

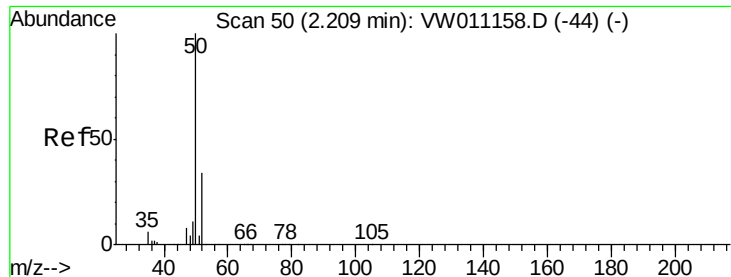
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 46.369 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

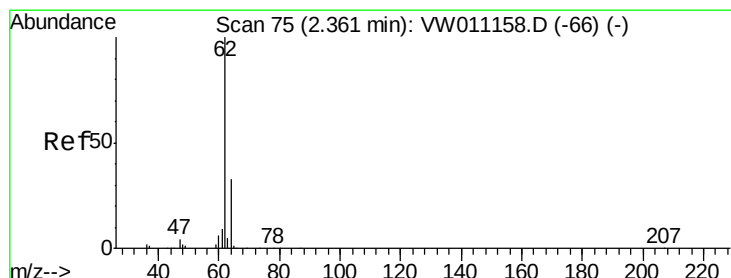
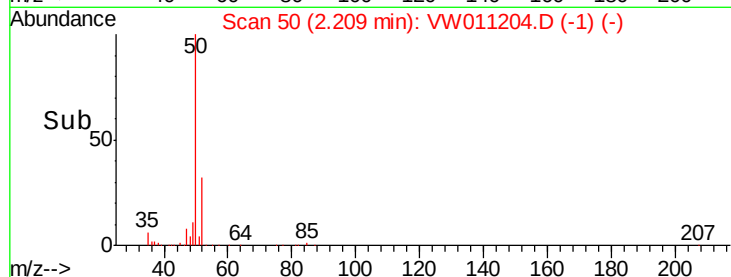
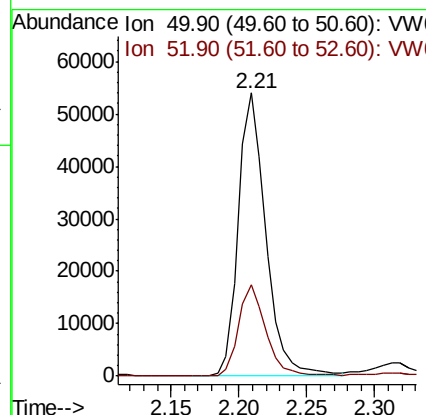
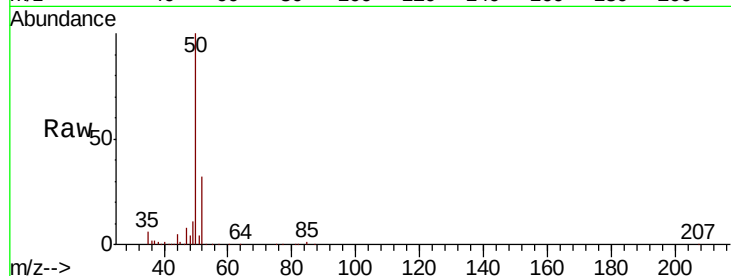
KY030LC068-SD-190709MSD

Tot Ion: 50 Resp: 75794

Ion Ratio Lower Upper

50 100

52 32.4 26.9 40.3



#4

Vinyl Chloride

Concen: 48.976 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011204.D

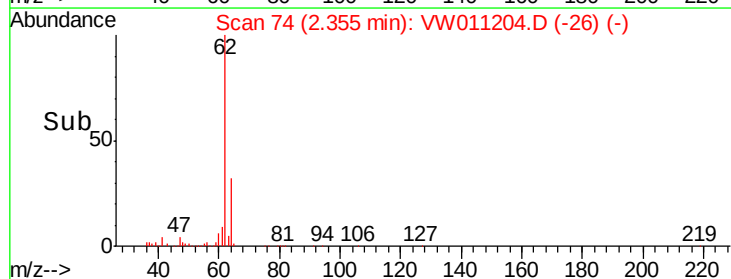
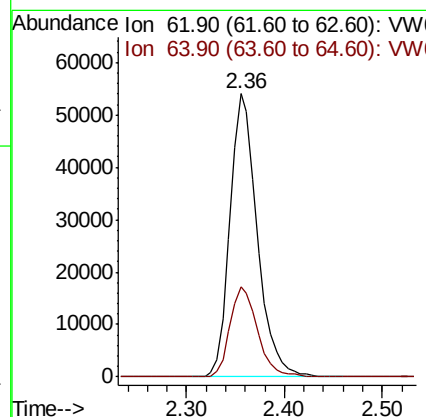
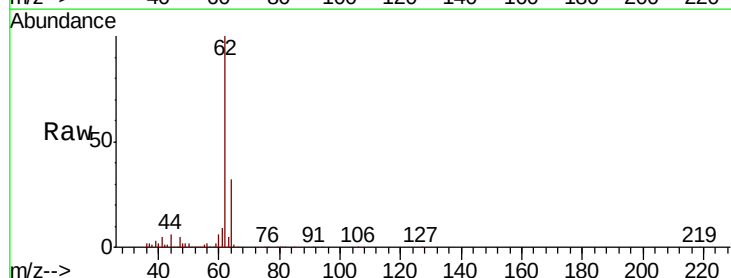
Acq: 10 Jul 2019 22:17

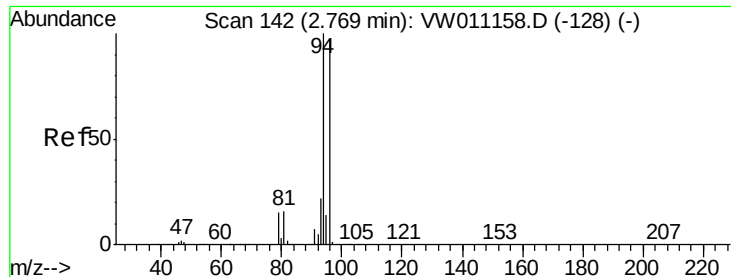
Tgt Ion: 62 Resp: 104782

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0





#5

Bromomethane

Concen: 46.435 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

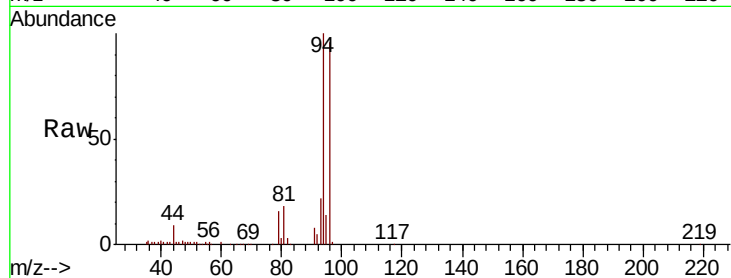
KY030LC068-SD-190709MSD

Tot Ion: 94 Resp: 49920

Ion Ratio Lower Upper

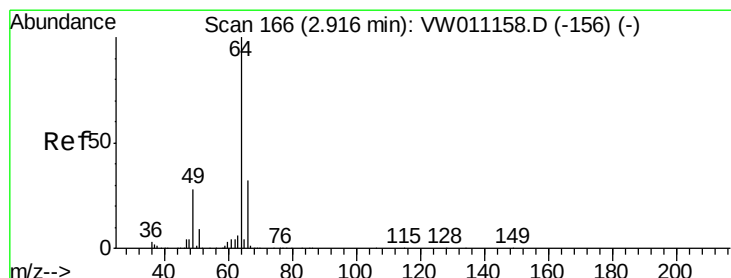
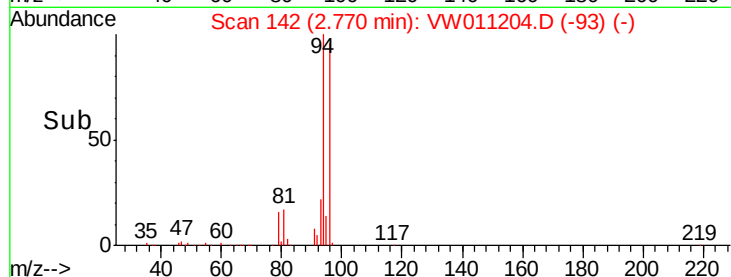
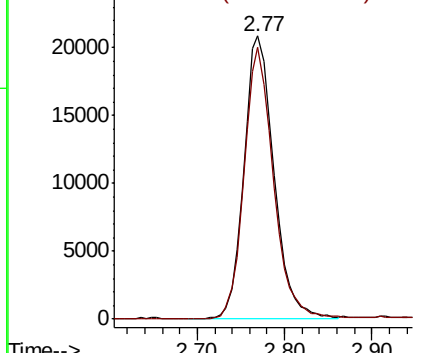
94 100

96 95.7 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.177 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011204.D

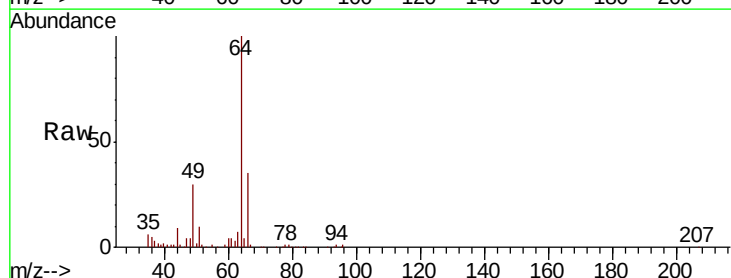
Acq: 10 Jul 2019 22:17

Tgt Ion: 64 Resp: 57822

Ion Ratio Lower Upper

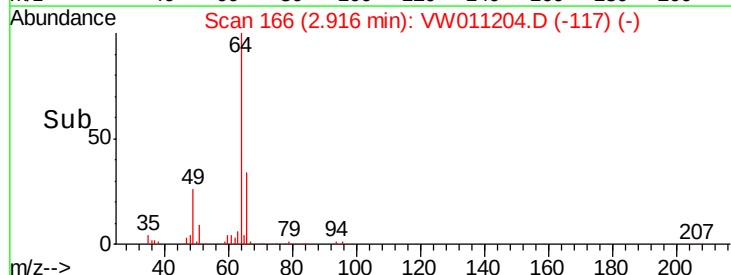
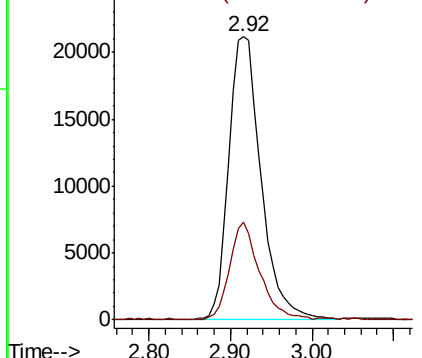
64 100

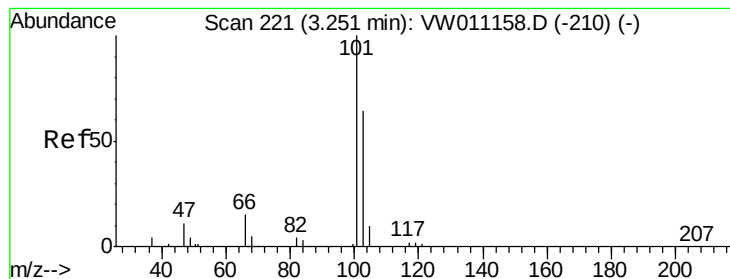
66 34.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



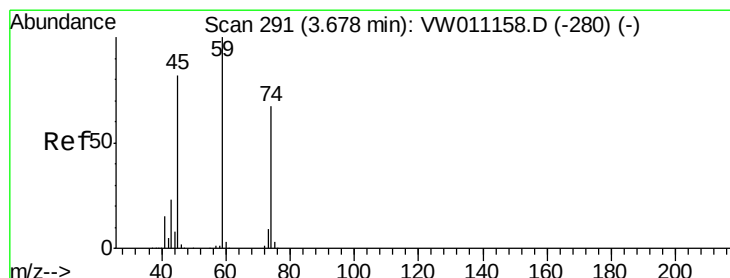
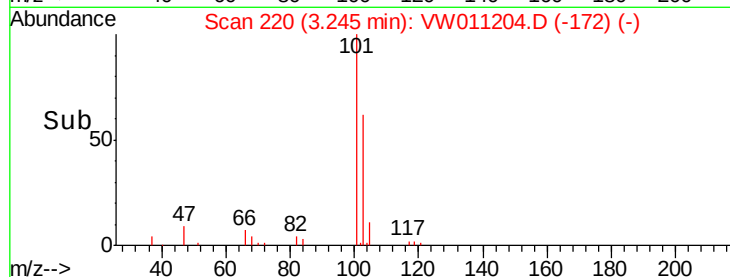
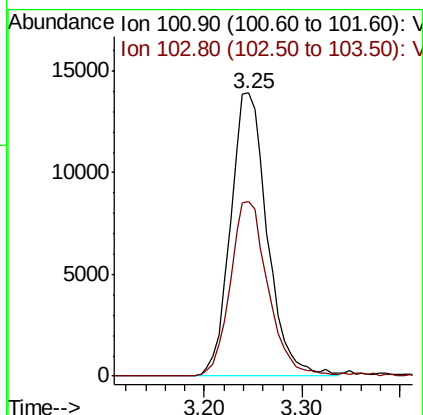
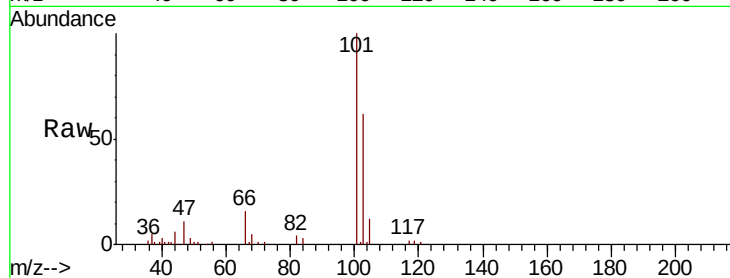


#7

Trichlorofluoromethane
 Concen: 47.744 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011204.D
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Instrument :
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 KY030LC068-SD-190709MSD

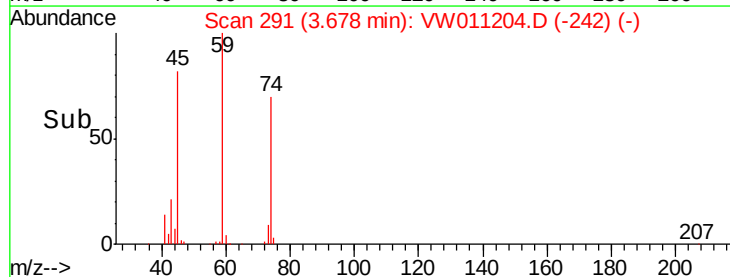
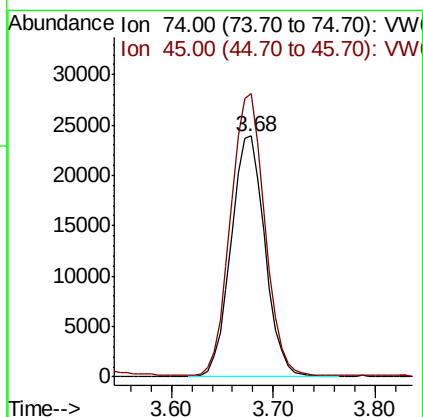
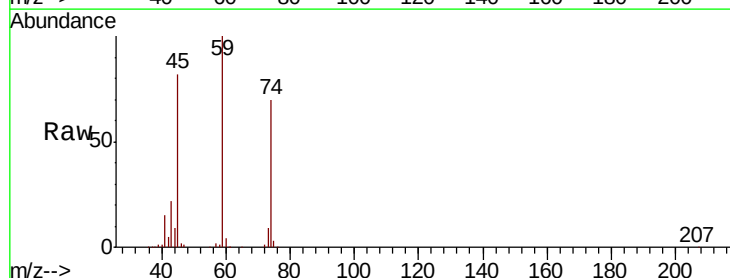
Tot Ion:101 Resp: 36287
 Ion Ratio Lower Upper
 101 100
 103 61.9 51.3 76.9

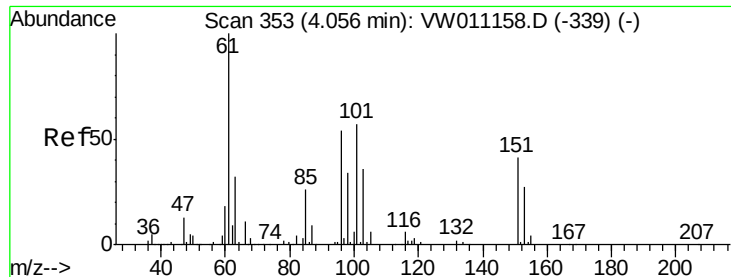


#8

Diethyl Ether
 Concen: 52.336 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion: 74 Resp: 55038
 Ion Ratio Lower Upper
 74 100
 45 118.3 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.963 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011204.D

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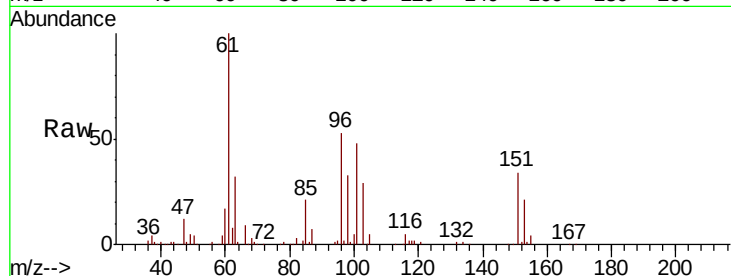
Tot Ion:101 Resp: 89138

Ion Ratio Lower Upper

101 100

85 45.7 36.5 54.7

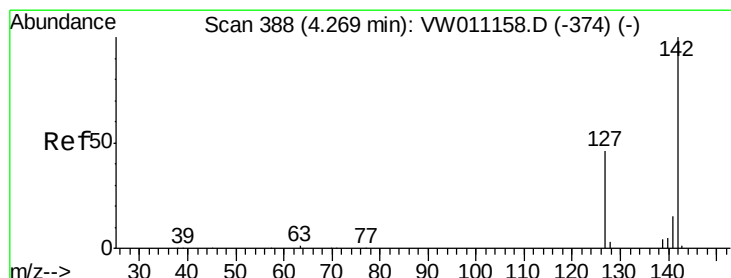
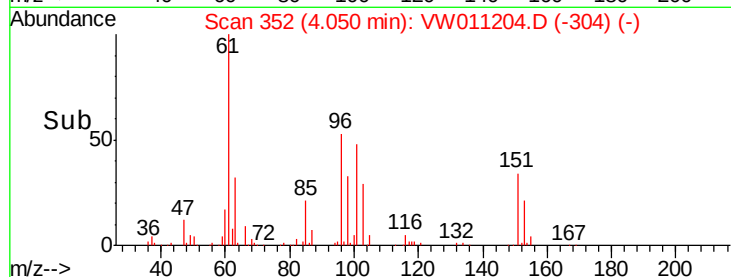
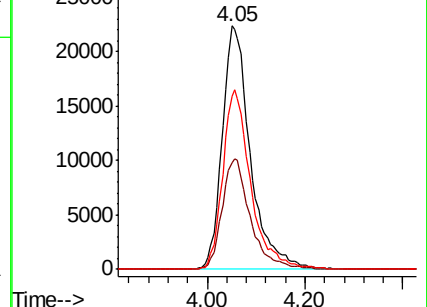
151 73.3 59.1 88.7



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: 42.513 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

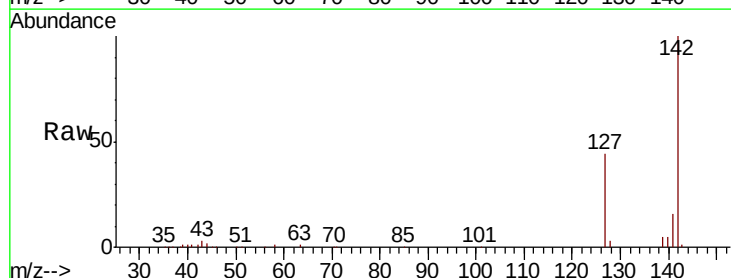
Tgt Ion:142 Resp: 106448

Ion Ratio Lower Upper

142 100

127 44.1 35.7 53.5

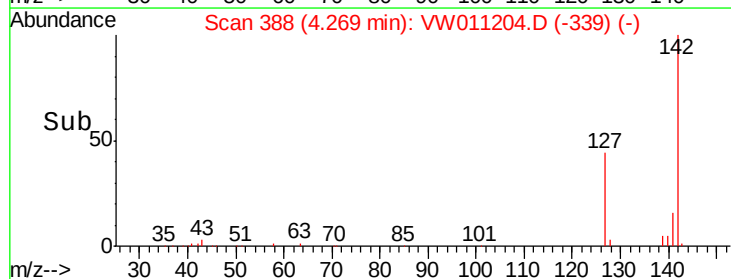
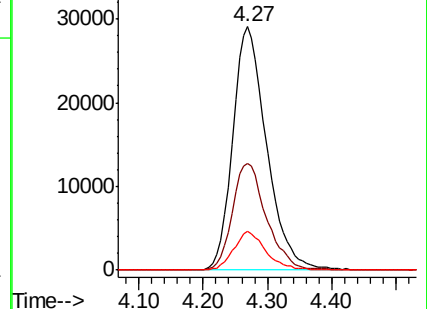
141 15.0 11.5 17.3

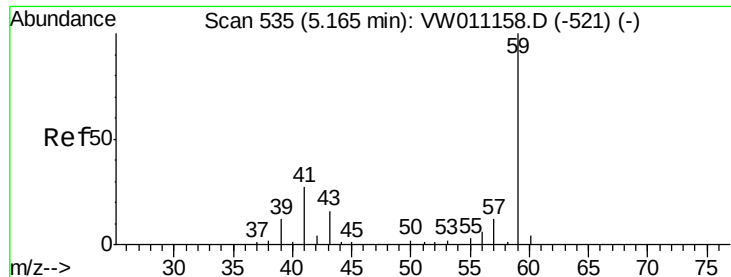


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



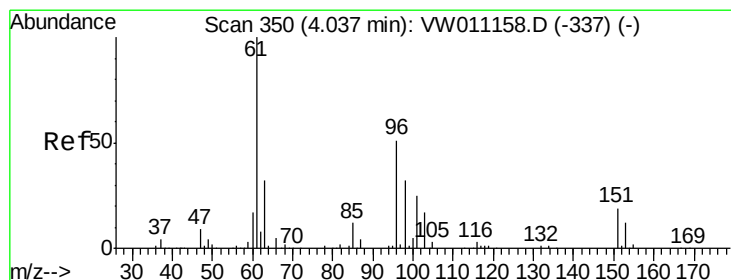
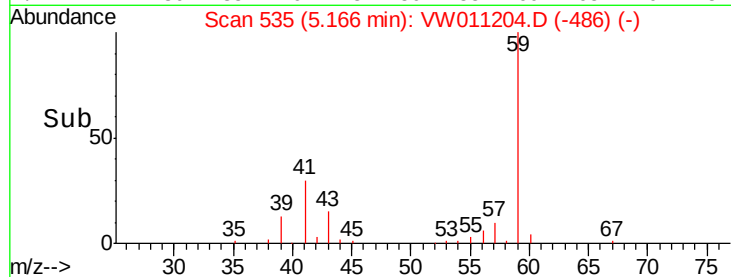
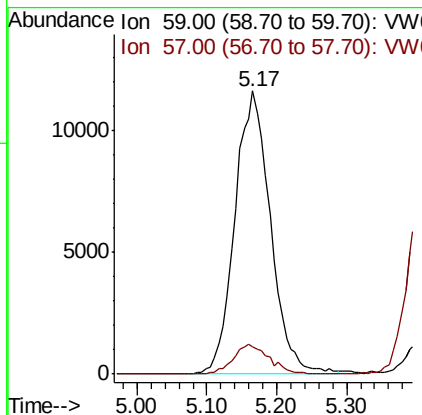
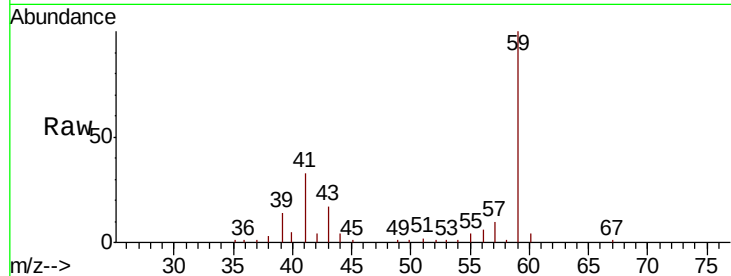


#11

Tert butyl alcohol
 Concen: 259.223 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

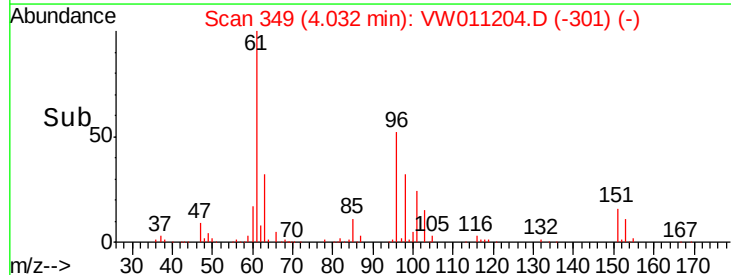
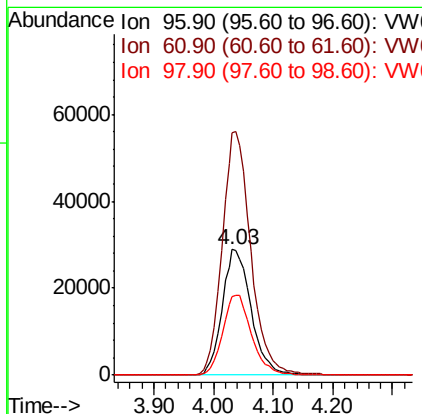
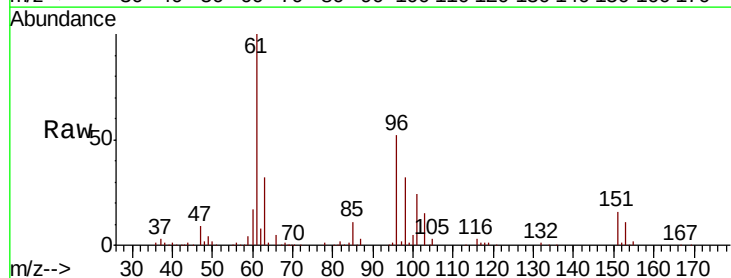
Tot Ion: 59 Resp: 41018
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

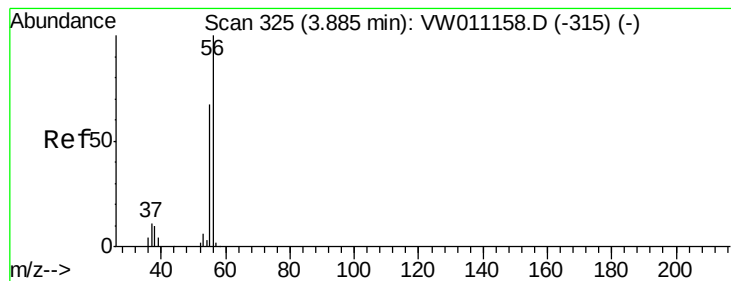


#12

1,1-Dichloroethene
 Concen: 51.559 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion: 96 Resp: 97423
 Ion Ratio Lower Upper
 96 100
 61 193.5 157.7 236.5
 98 62.7 50.9 76.3





#13

Acrolein

Concen: 78.722 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

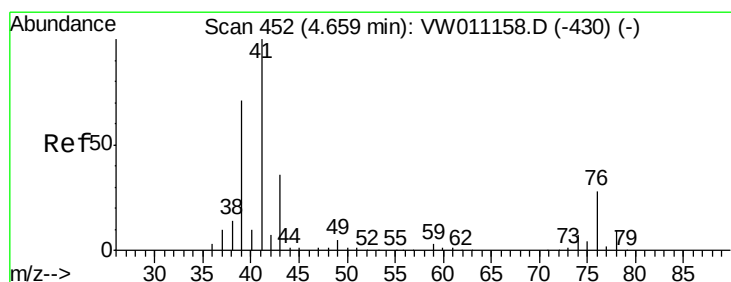
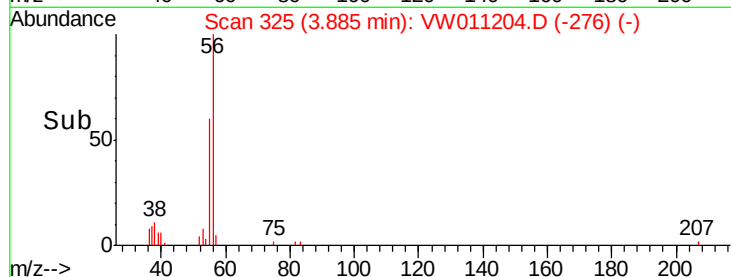
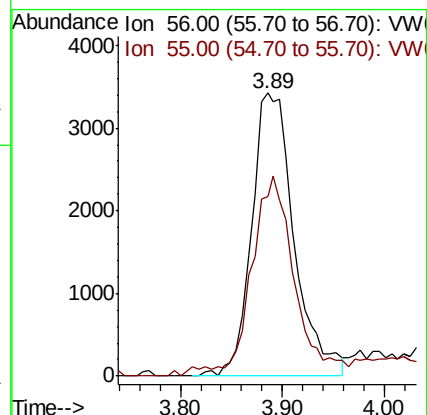
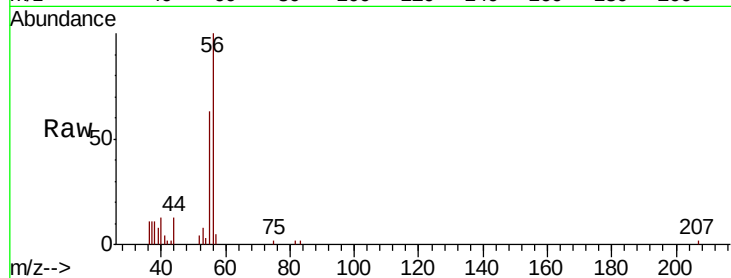
KY030LC068-SD-190709MSD

Tot Ion: 56 Resp: 9919

Ion Ratio Lower Upper

56 100

55 63.8 56.4 84.6



#14

Allyl chloride

Concen: 48.937 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

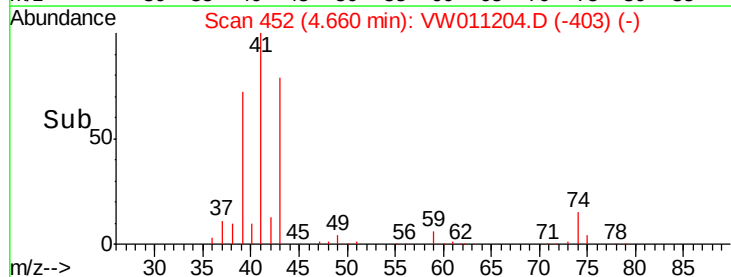
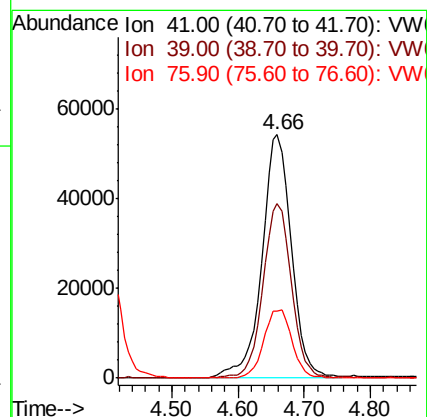
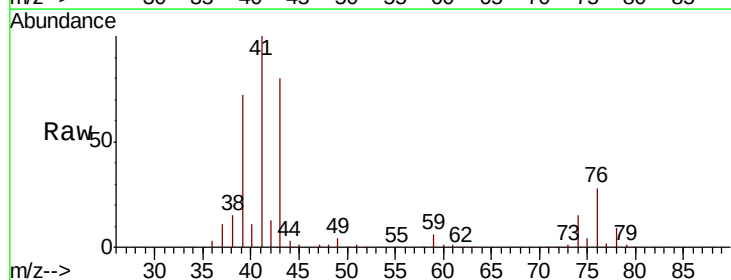
Tgt Ion: 41 Resp: 168619

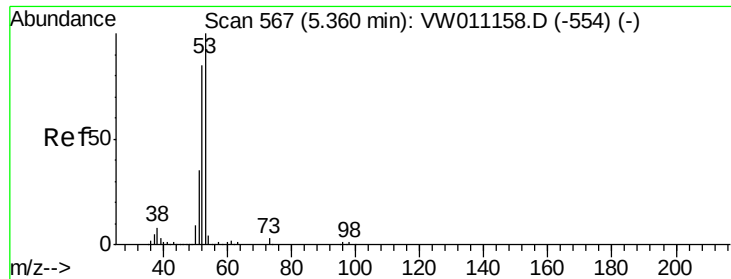
Ion Ratio Lower Upper

41 100

39 69.2 55.1 82.7

76 27.0 22.5 33.7





#15

Acrylonitrile

Concen: 259.139 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

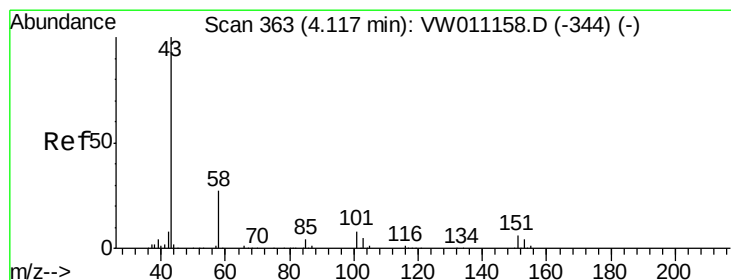
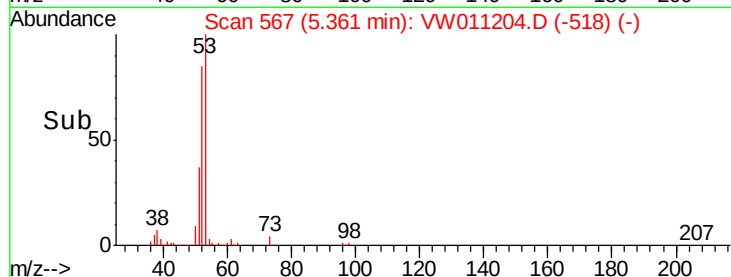
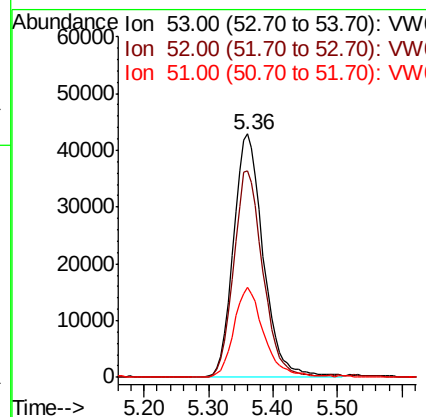
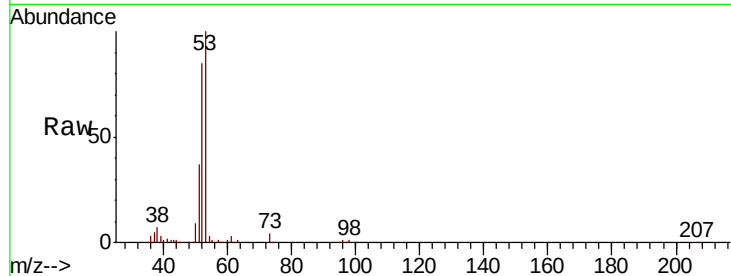
Tot Ion: 53 Resp: 138790

Ion Ratio Lower Upper

53 100

52 83.2 66.2 99.4

51 36.8 29.1 43.7



#16

Acetone

Concen: 299.116 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011204.D

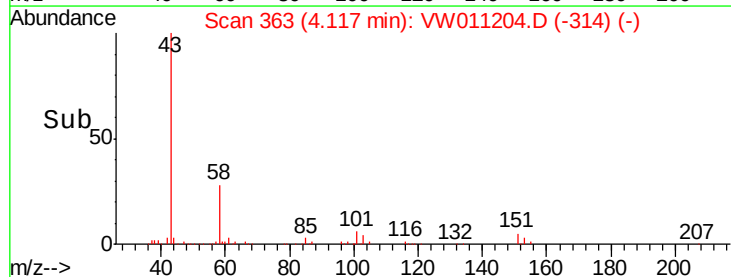
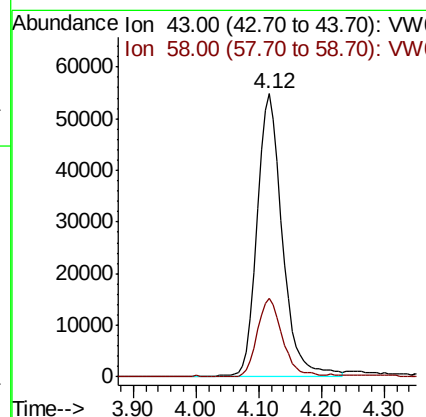
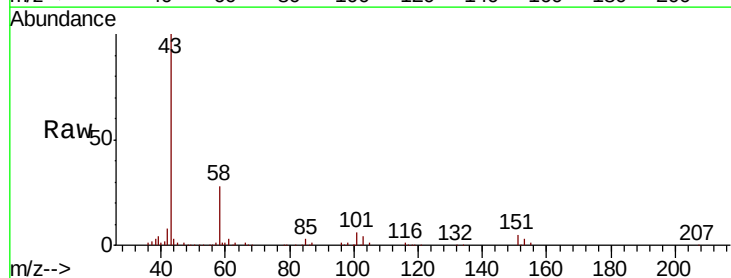
Acq: 10 Jul 2019 22:17

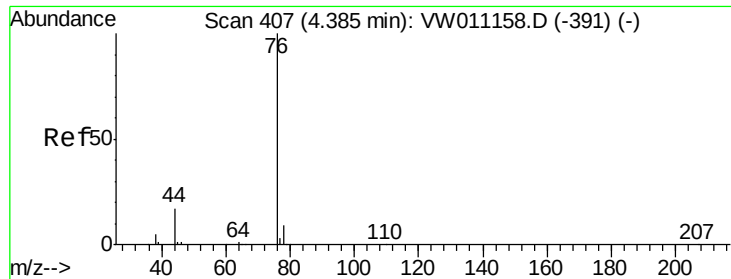
Tgt Ion: 43 Resp: 153819

Ion Ratio Lower Upper

43 100

58 27.6 21.8 32.6

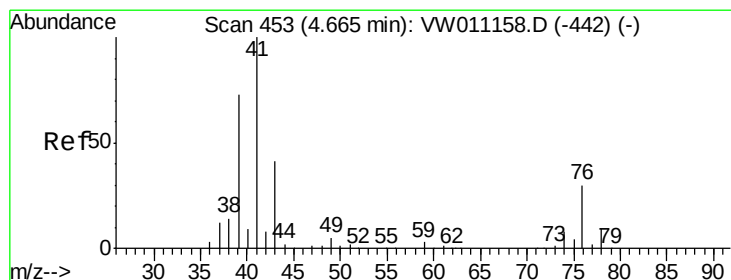
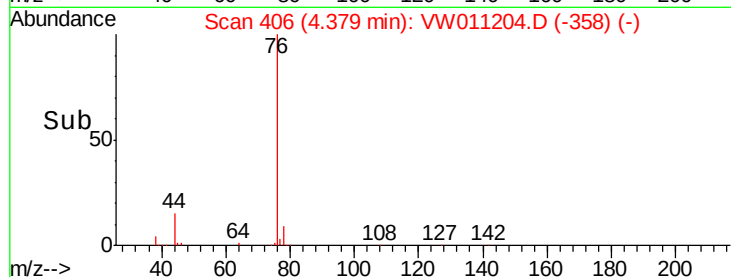
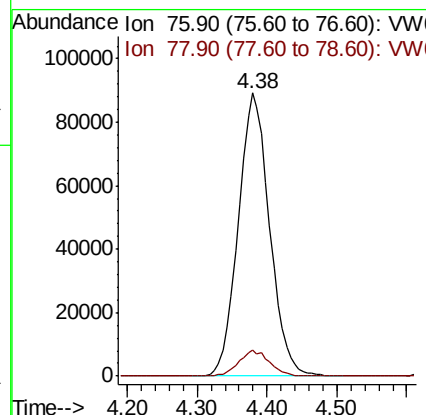
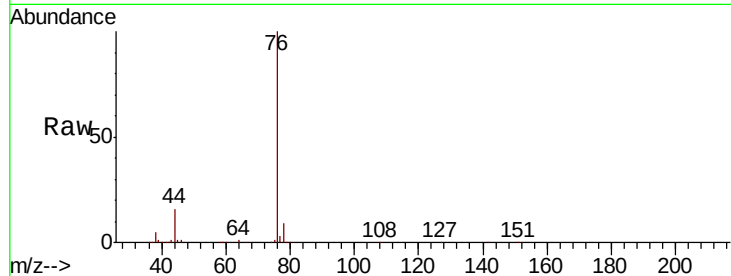




#17
Carbon Disulfide
Concen: 48.301 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

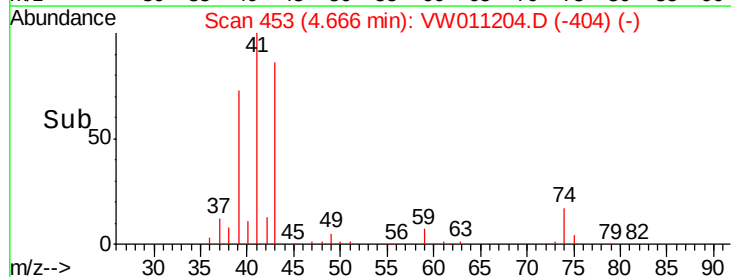
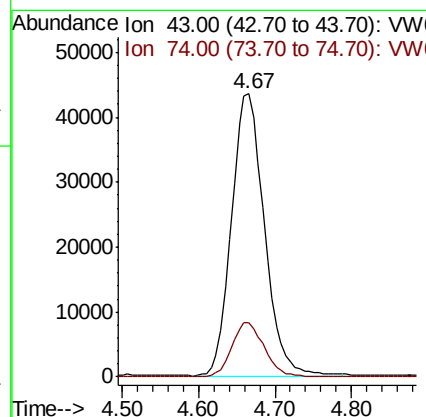
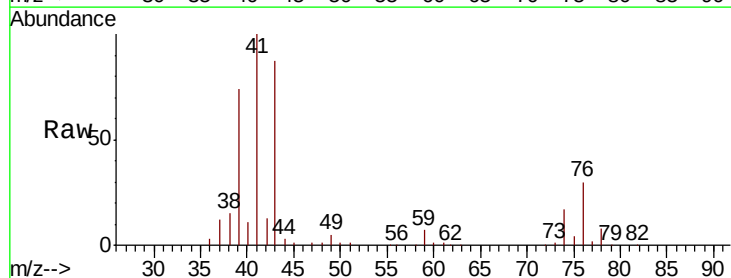
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

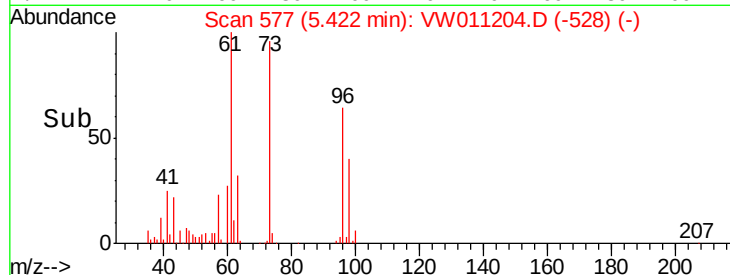
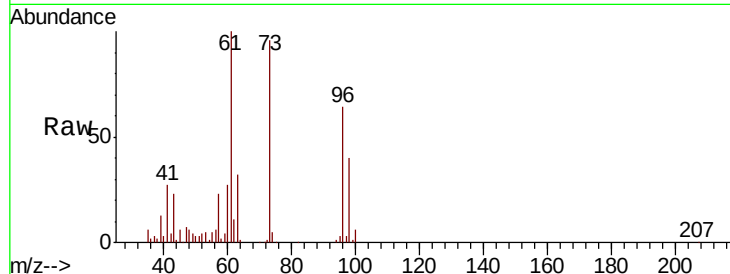
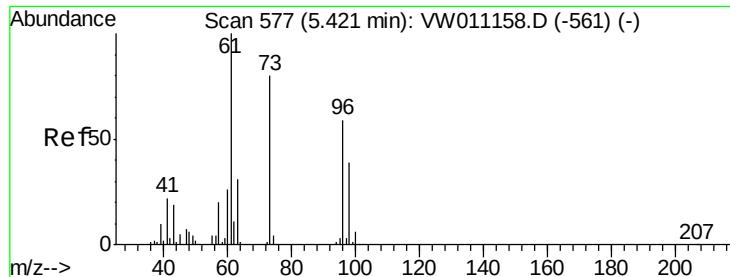
Tot Ion: 76 Resp: 276689
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 80.420 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 43 Resp: 129331
Ion Ratio Lower Upper
43 100
74 19.2 15.7 23.5

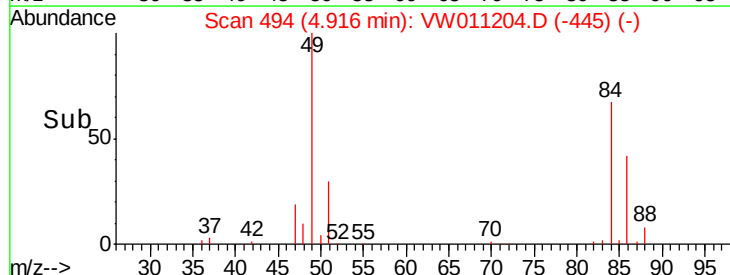
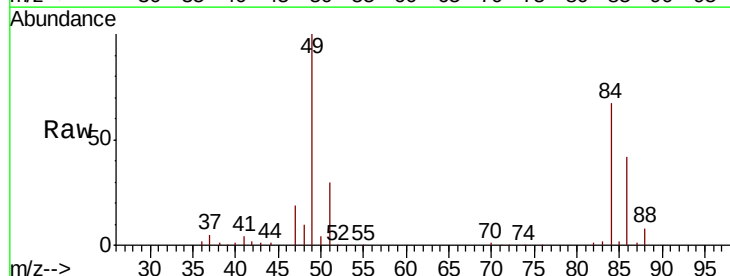
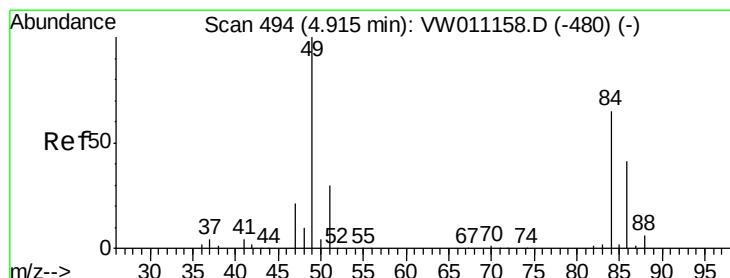
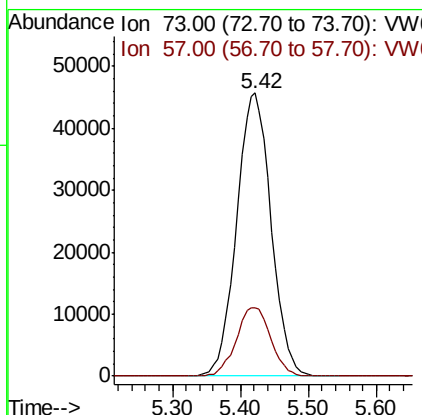




#19
Methyl tert-butyl Ether
Concen: 55.854 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

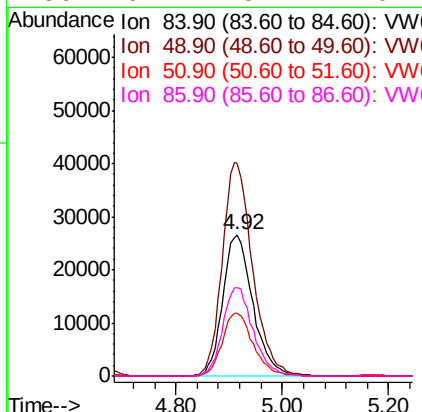
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

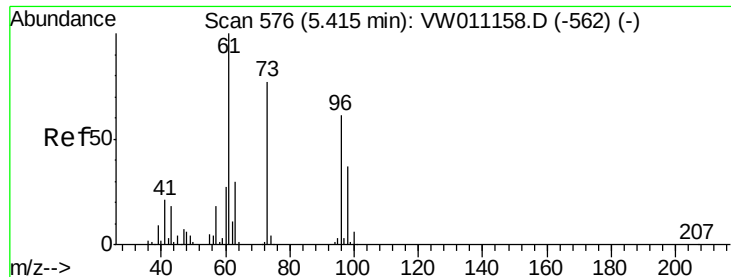
Tot Ion: 73 Resp: 160136
Ion Ratio Lower Upper
73 100
57 24.1 19.7 29.5



#20
Methylene Chloride
Concen: 51.801 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 84 Resp: 105086
Ion Ratio Lower Upper
84 100
49 150.4 123.8 185.6
51 44.5 37.4 56.2
86 62.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.680 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

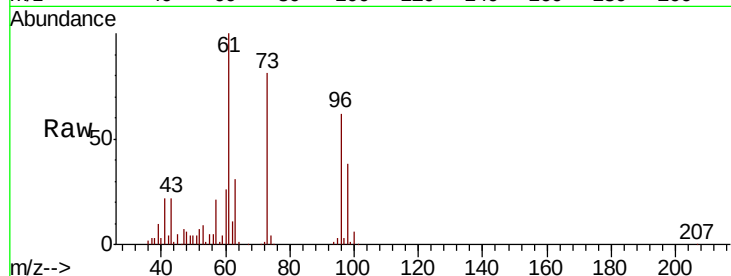
Tot Ion: 96 Resp: 95579

Ion Ratio Lower Upper

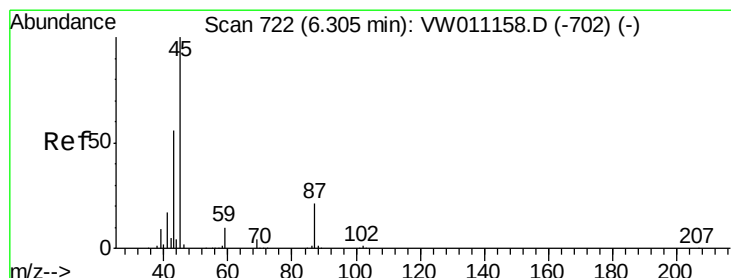
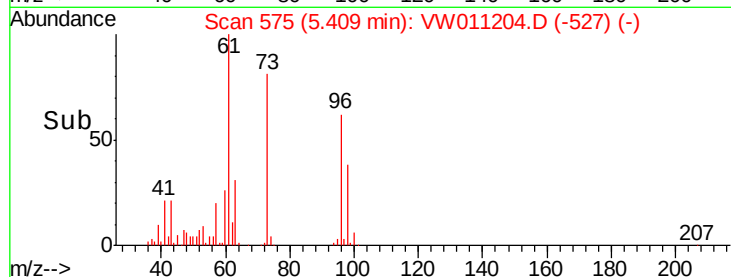
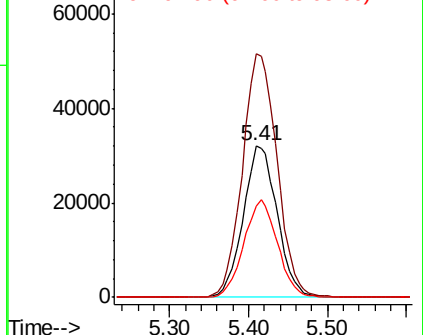
96 100

61 160.5 132.2 198.2

98 60.5 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: 51.968 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Tgt Ion: 45 Resp: 385135

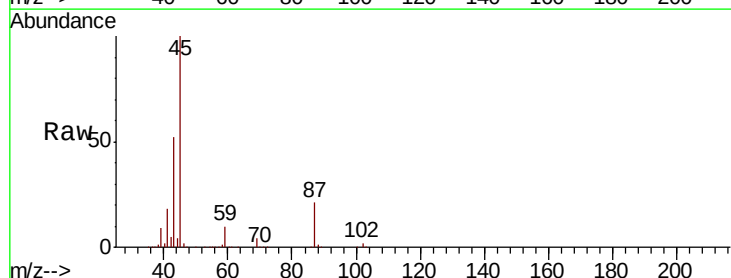
Ion Ratio Lower Upper

45 100

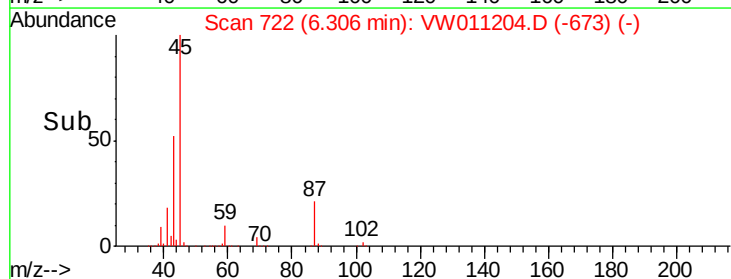
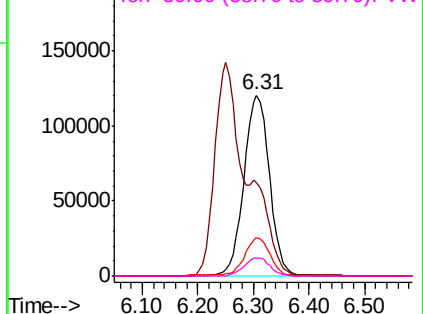
43 51.7 44.6 66.8

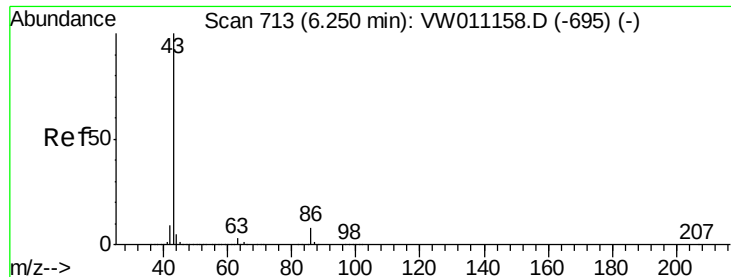
87 20.9 17.3 25.9

59 10.0 8.2 12.2



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





#23

Vinyl Acetate

Concen: 96.211 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

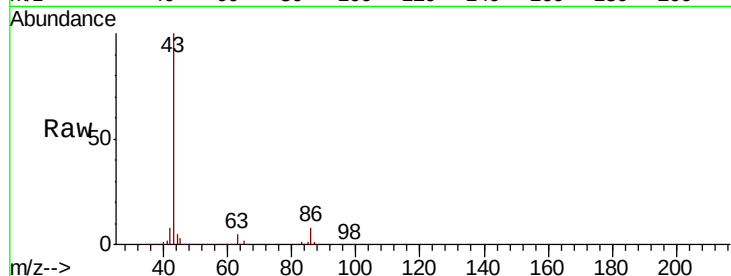
KY030LC068-SD-190709MSD

Tot Ion: 43 Resp: 441265

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

150000

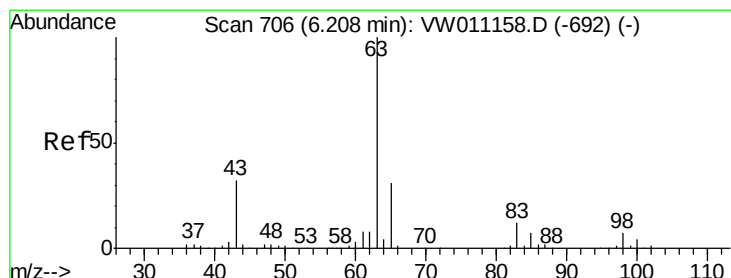
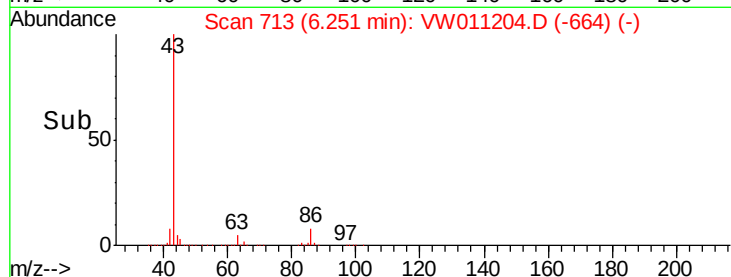
100000

50000

0

Time-->

6.15 6.20 6.25 6.30



#24

1,1-Dichloroethane

Concen: 50.732 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

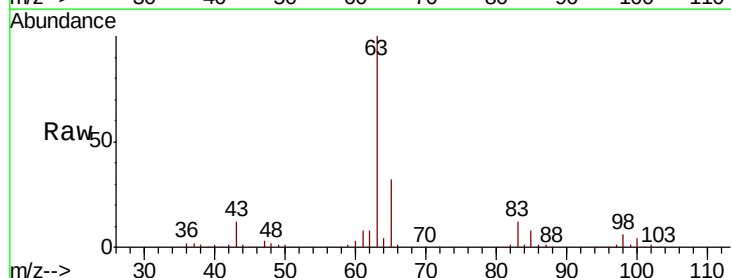
Tgt Ion: 63 Resp: 197426

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 3.8 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

60000

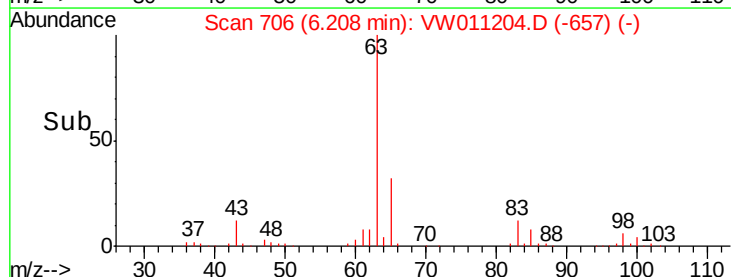
40000

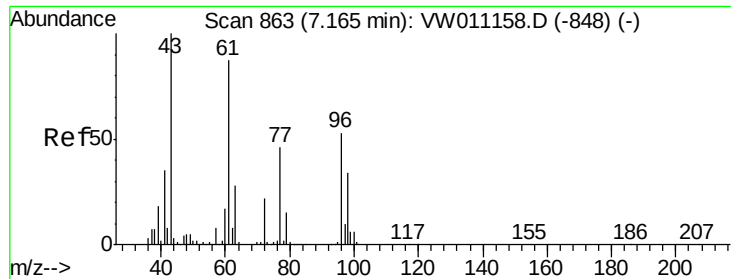
20000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 269.618 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

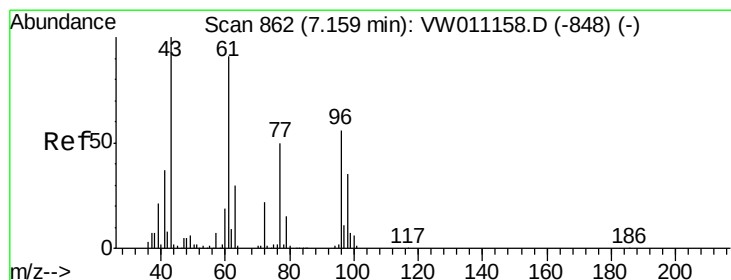
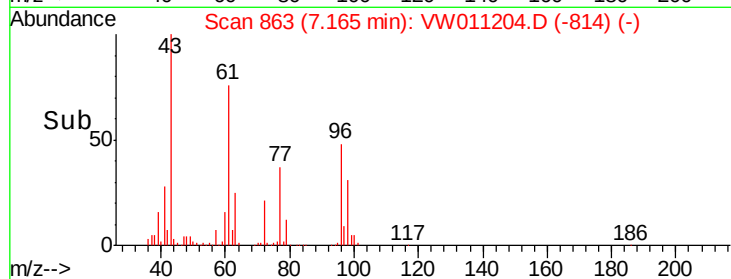
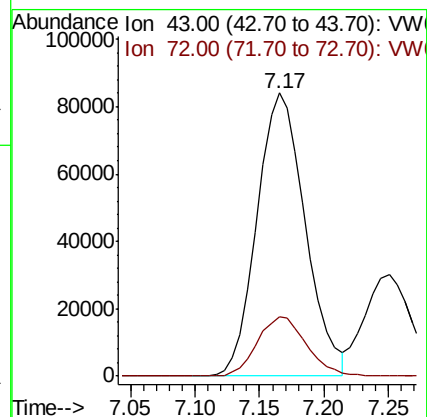
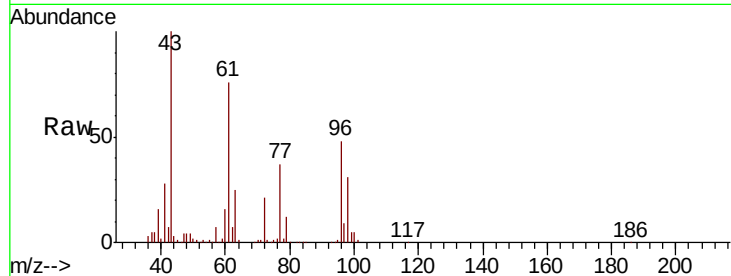
KY030LC068-SD-190709MSD

Tot Ion: 43 Resp: 217644

Ion Ratio Lower Upper

43 100

72 21.1 17.6 26.4



#26

2,2-Dichloropropane

Concen: 44.721 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011204.D

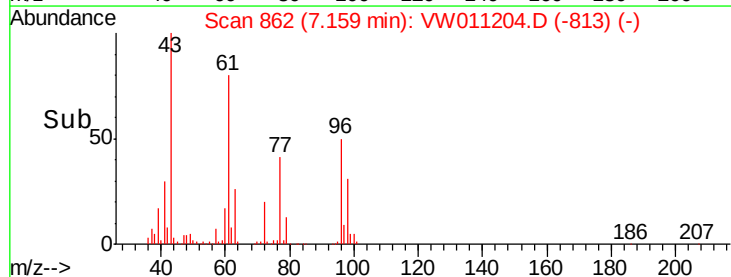
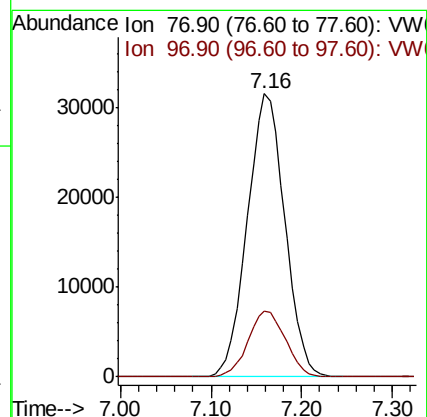
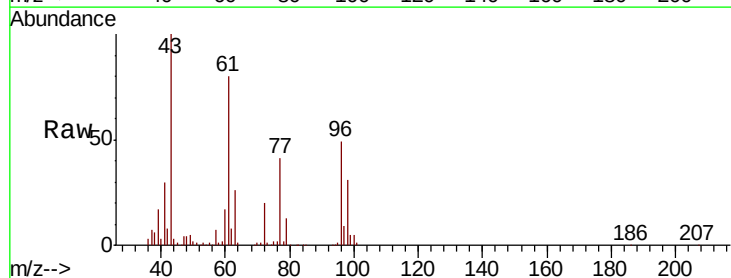
Acq: 10 Jul 2019 22:17

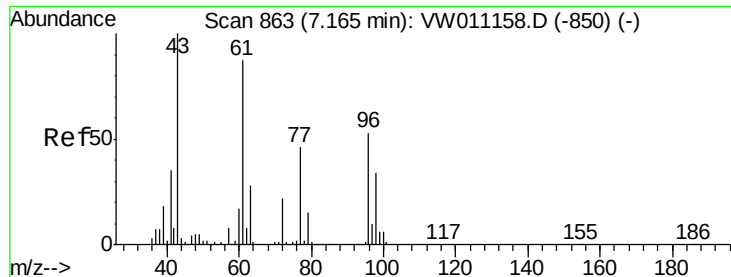
Tgt Ion: 77 Resp: 90466

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5



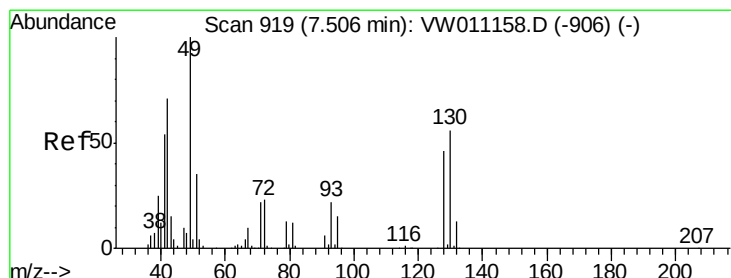
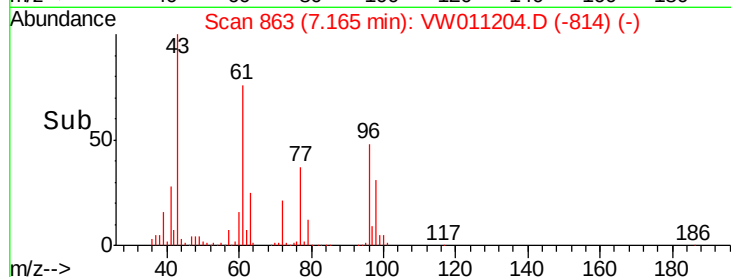
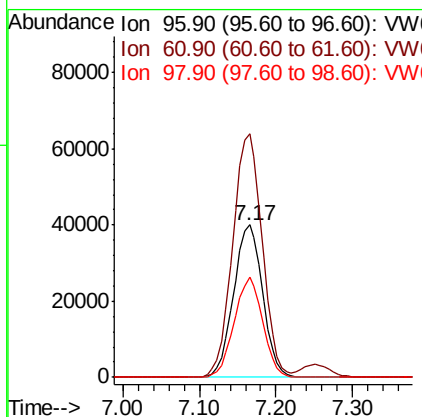
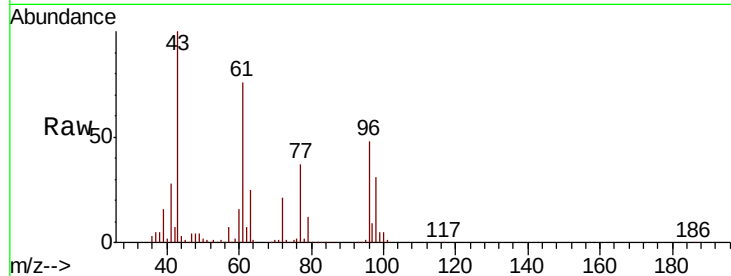


#27

cis-1,2-Dichloroethene
Concen: 49.673 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

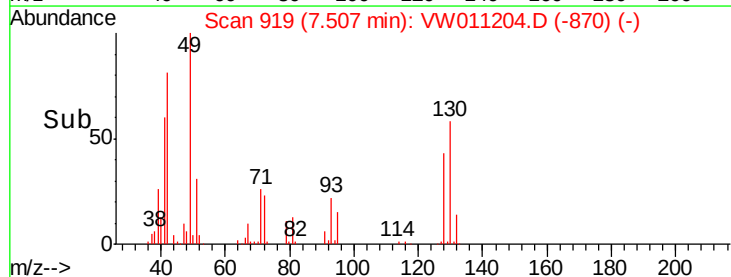
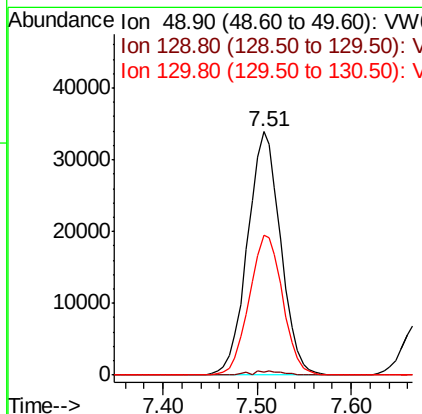
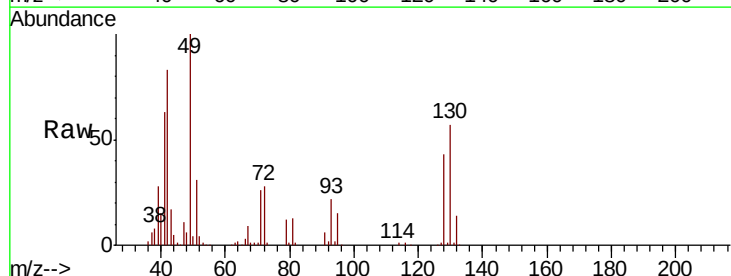
Tot Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	325.6
98	64.4	0.0	128.2

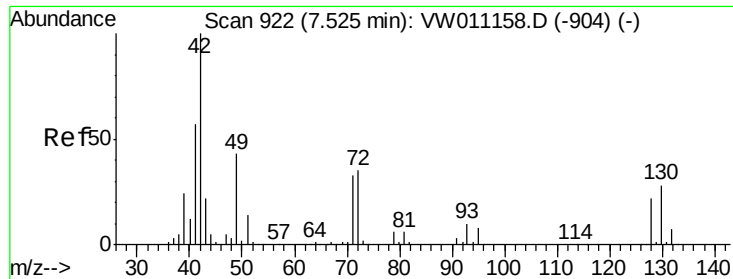


#28

Bromochloromethane
Concen: 47.263 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.4#
130	58.0	45.8	68.8





#29

Tetrahydrofuran

Concen: 263.656 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

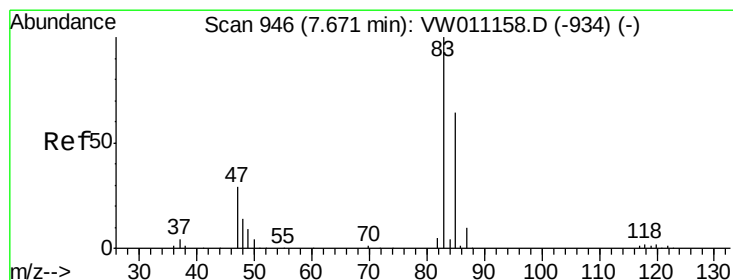
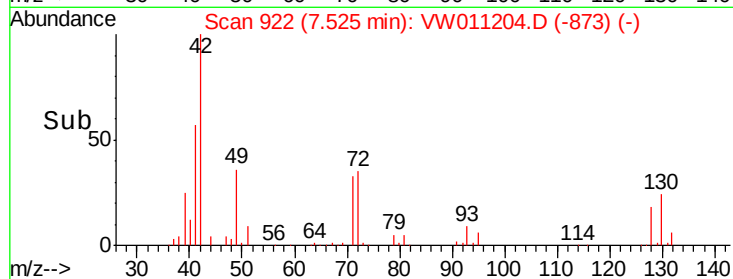
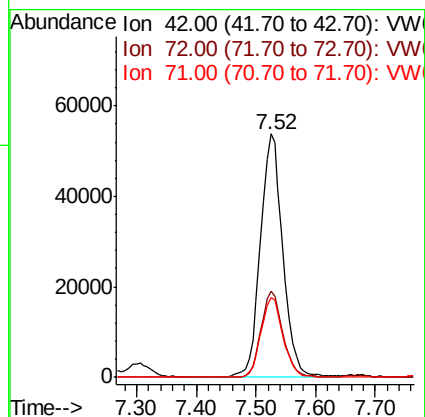
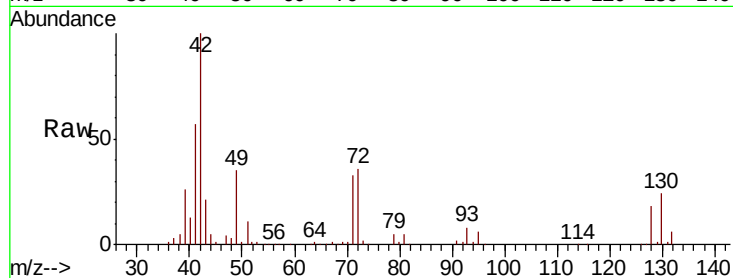
Tot Ion: 42 Resp: 139555

Ion Ratio Lower Upper

42 100

72 34.5 27.4 41.2

71 32.5 25.9 38.9



#30

Chloroform

Concen: 49.672 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011204.D

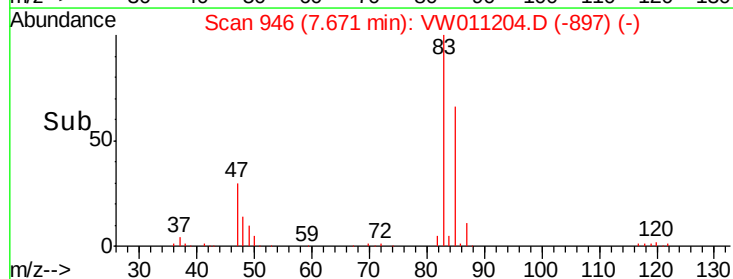
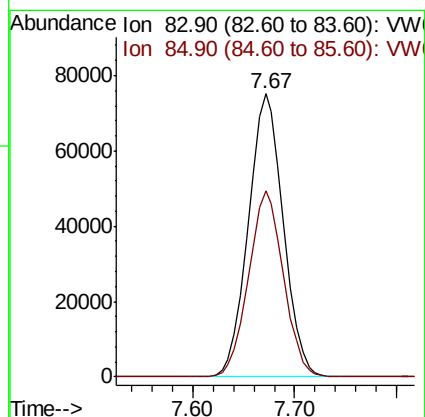
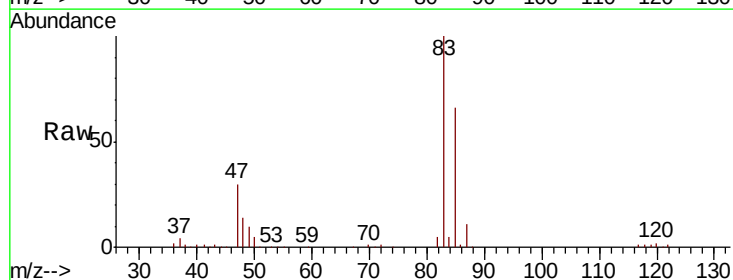
Acq: 10 Jul 2019 22:17

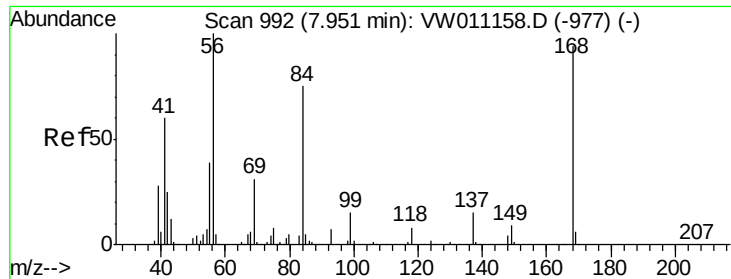
Tgt Ion: 83 Resp: 179017

Ion Ratio Lower Upper

83 100

85 65.6 51.4 77.2

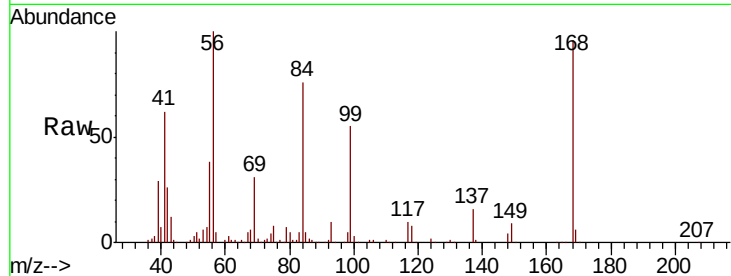




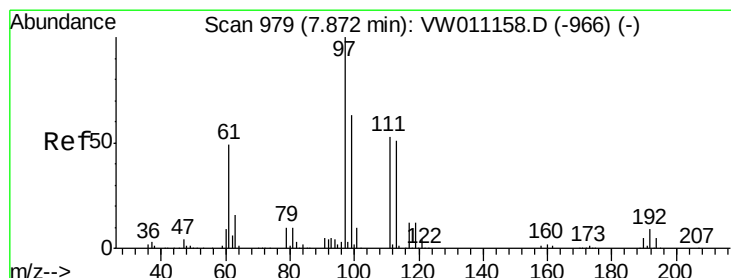
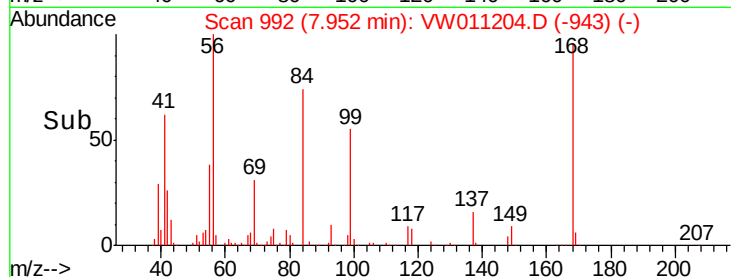
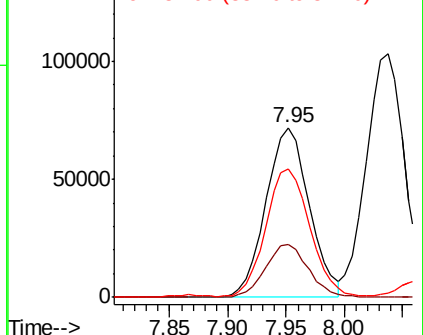
#31
Cyclohexane
Concen: 44.894 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

Tot Ion: 56 Resp: 185864
Ion Ratio Lower Upper
56 100
69 31.2 24.6 36.8
84 74.3 60.1 90.1

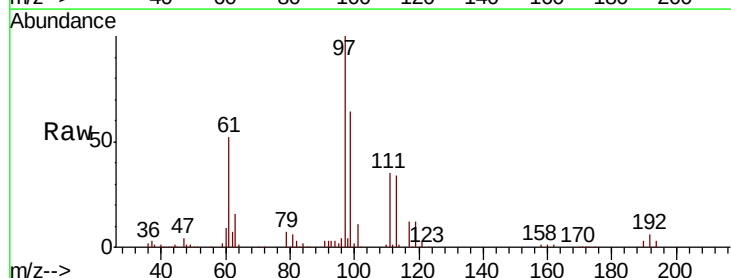


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

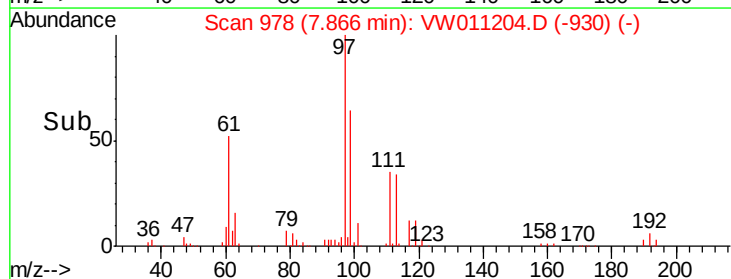
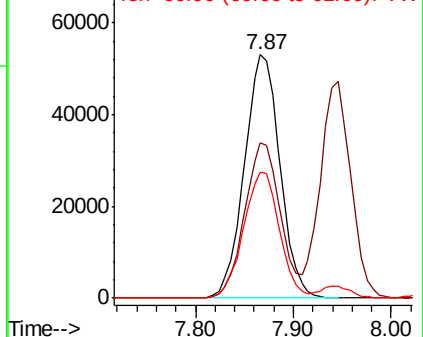


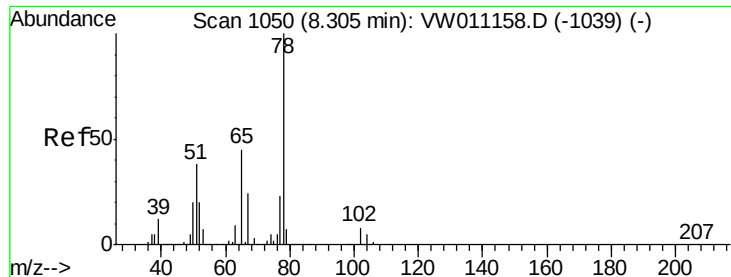
#32
1,1,1-Trichloroethane
Concen: 49.033 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 97 Resp: 134426
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 52.0 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

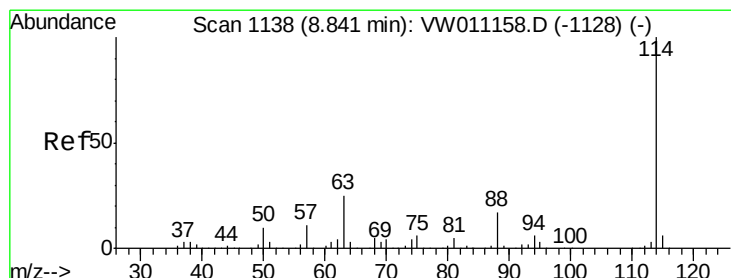
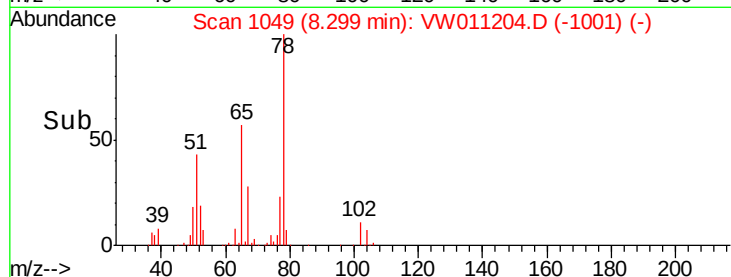
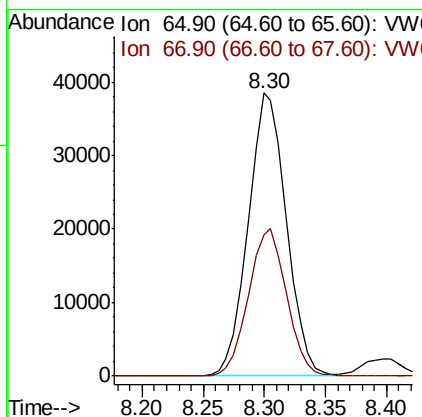
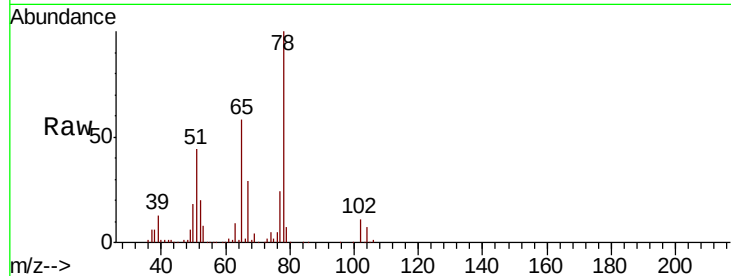




#33
 1,2-Dichloroethane-d4
 Concen: 39.157 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

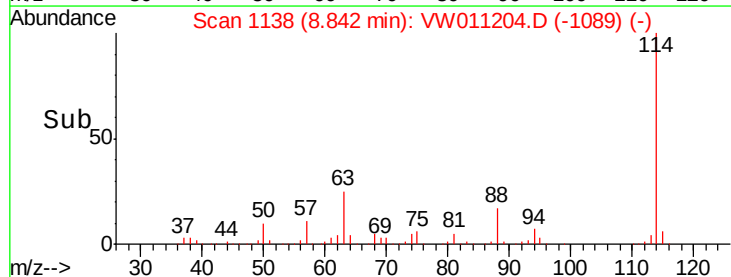
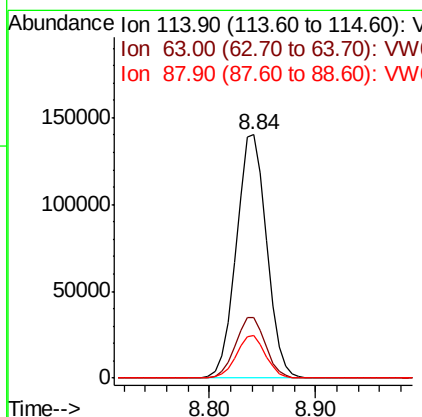
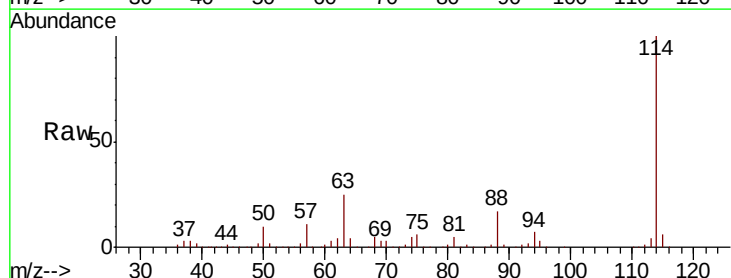
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

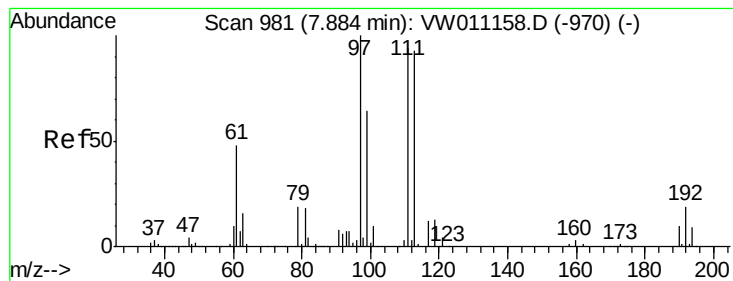
Tot Ion: 65 Resp: 83687
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion: 114 Resp: 281246
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.8
 88 17.3 0.0 34.2





#35

Dibromofluoromethane

Concen: 39.197 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

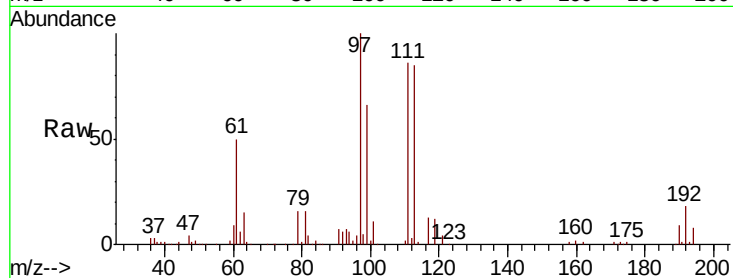
Tot Ion:113 Resp: 65708

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

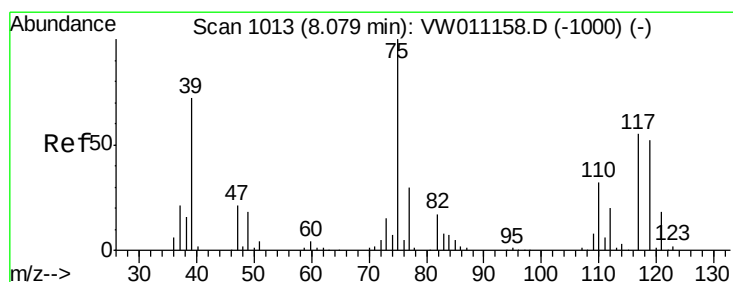
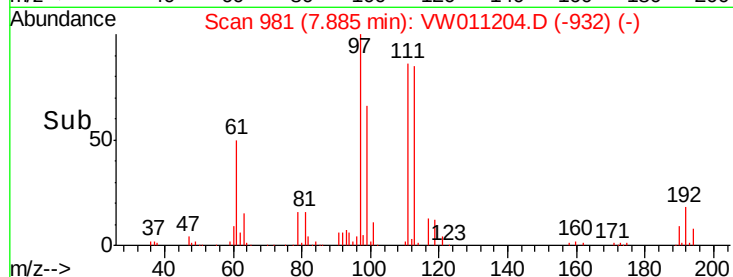
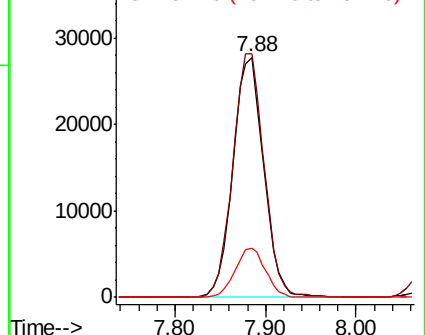
192 20.1 15.8 23.8



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: 48.357 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

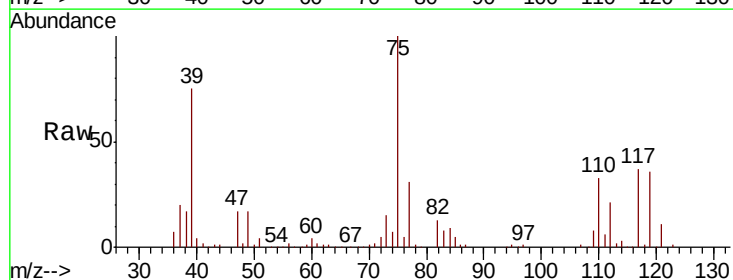
Tgt Ion: 75 Resp: 144828

Ion Ratio Lower Upper

75 100

110 31.8 15.9 47.6

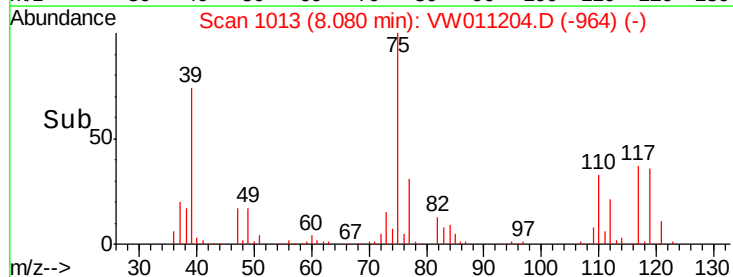
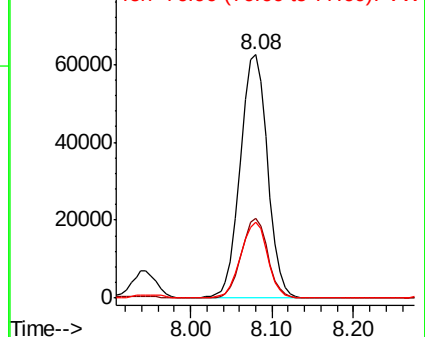
77 30.8 24.6 36.8

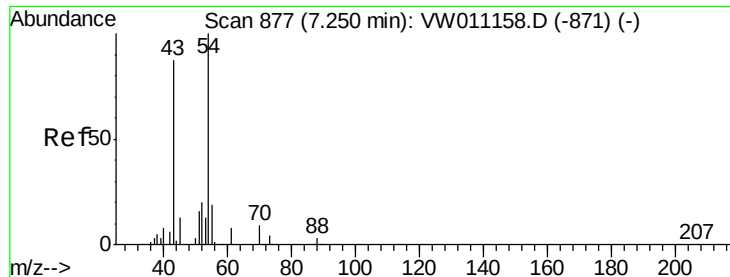


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

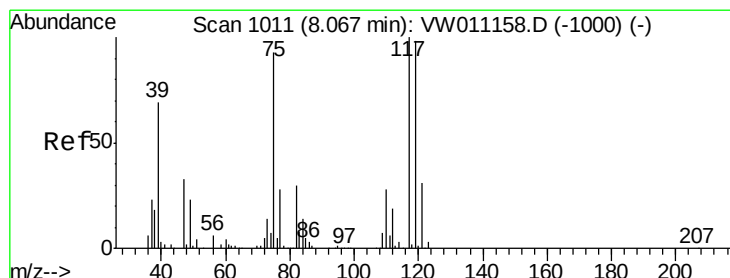
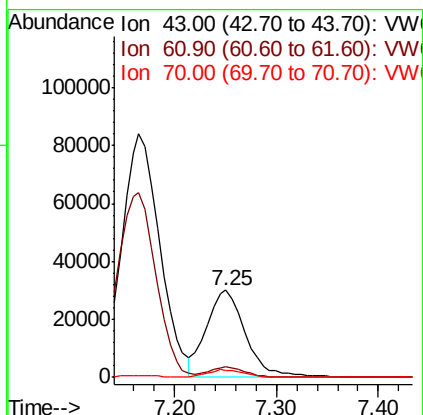
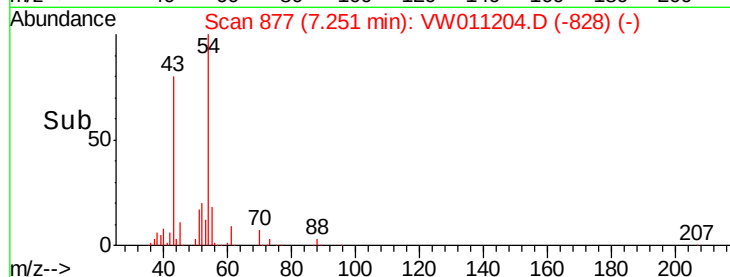
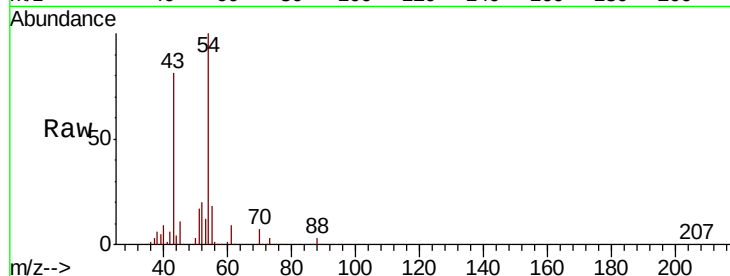




#37
Ethyl Acetate
Concen: 43.833 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

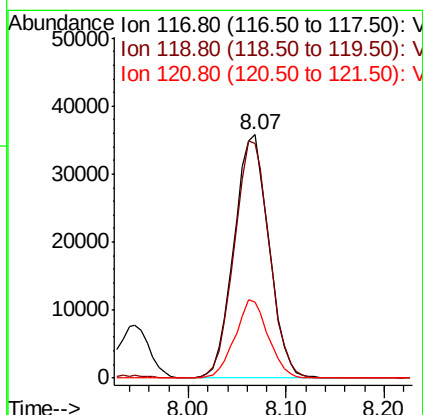
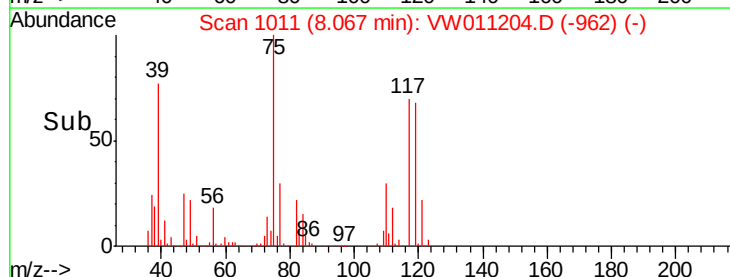
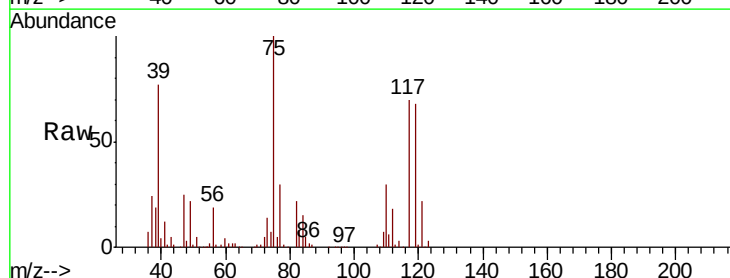
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

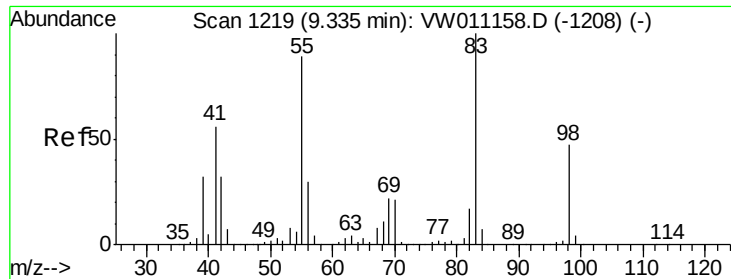
Tot Ion: 43 Resp: 78876
Ion Ratio Lower Upper
43 100
61 11.5 9.5 14.3
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 34.976 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 117 Resp: 88802
Ion Ratio Lower Upper
117 100
119 96.5 78.1 117.1
121 31.4 25.1 37.7

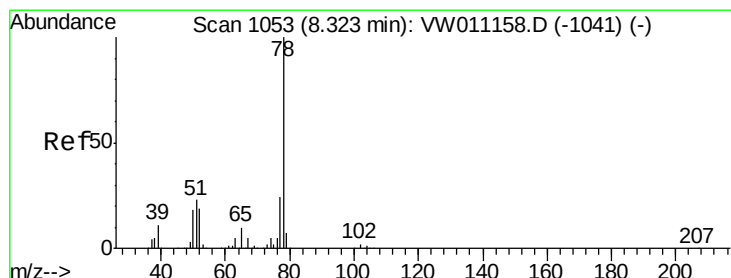
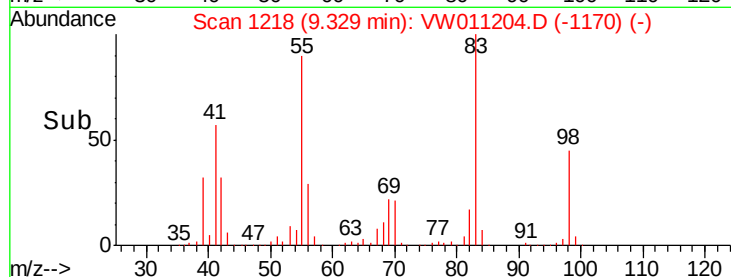
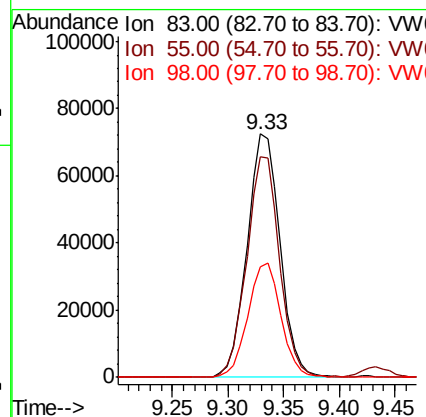
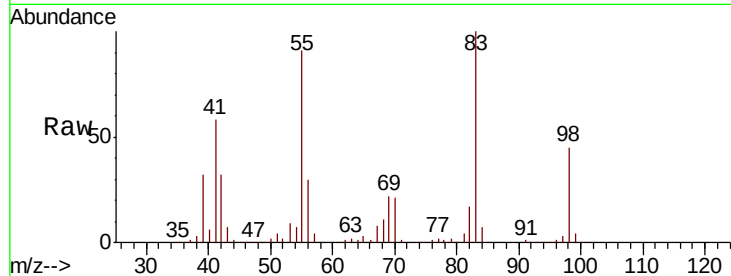




#39
Methylvlcyclohexane
Concen: 41.164 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

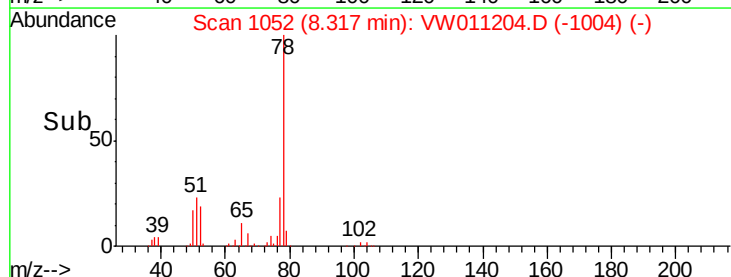
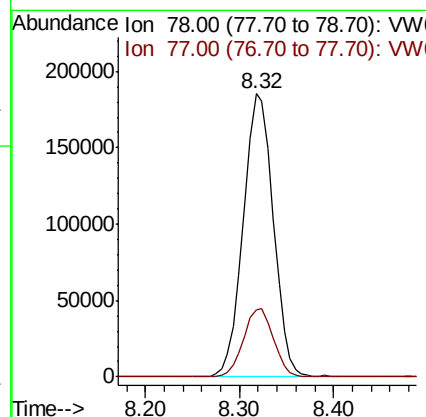
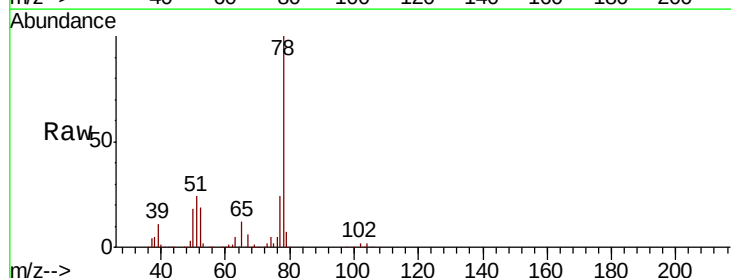
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

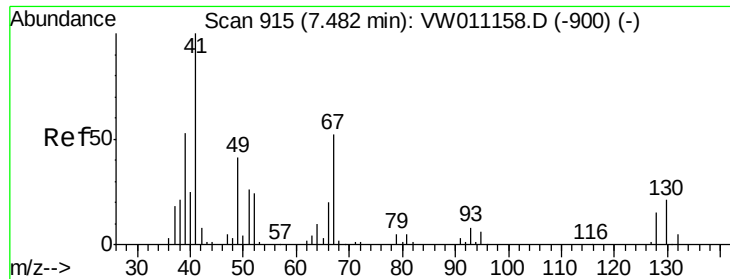
Tot Ion: 83 Resp: 149430
Ion Ratio Lower Upper
83 100
55 90.6 71.2 106.8
98 45.5 37.5 56.3



#40
Benzene
Concen: 49.752 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 78 Resp: 411798
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

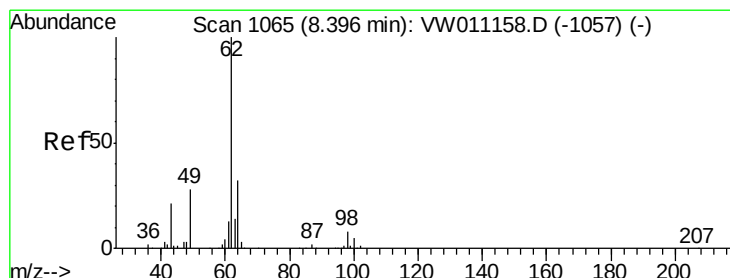
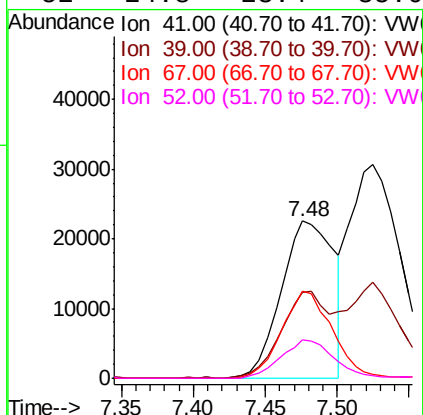
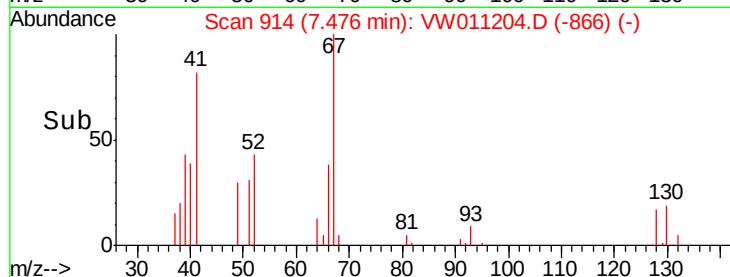
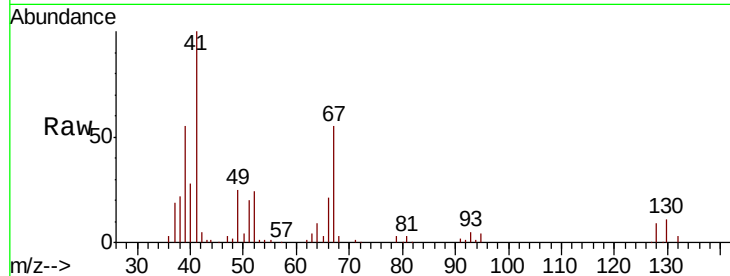




#41
Methacrylonitrile
Concen: 56.143 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

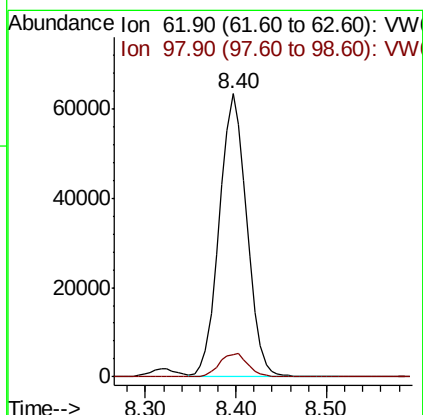
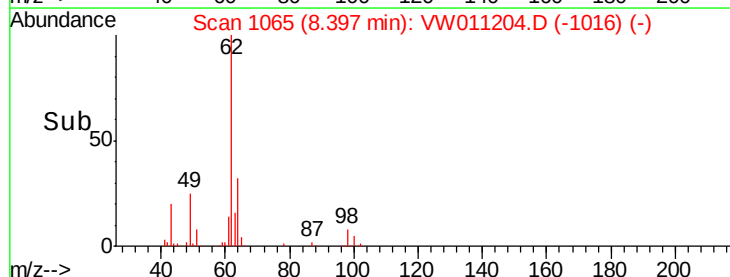
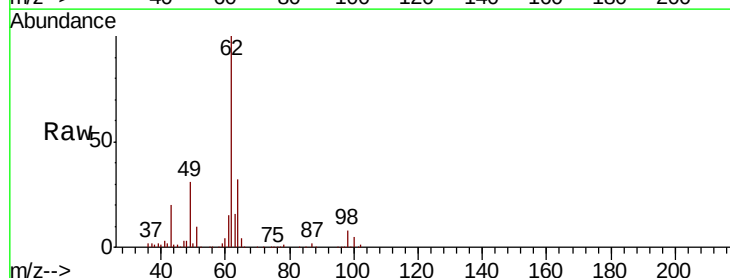
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

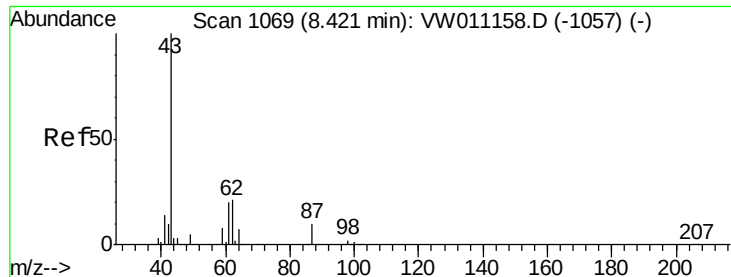
Tot Ion:	41	Resp:	57781
Ion	Ratio	Lower	Upper
41	100		
39	47.5	48.0	72.0#
67	53.0	49.7	74.5
52	24.8	23.4	35.0



#42
1,2-Dichloroethane
Concen: 49.990 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion:	62	Resp:	134224
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 46.128 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

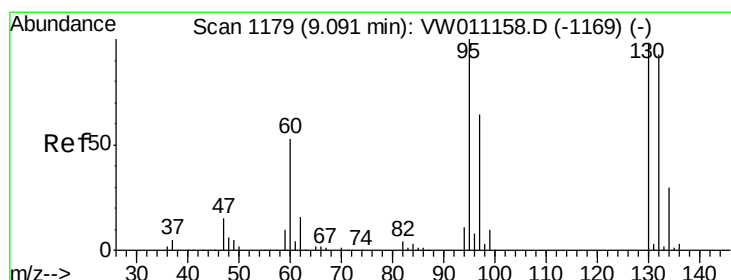
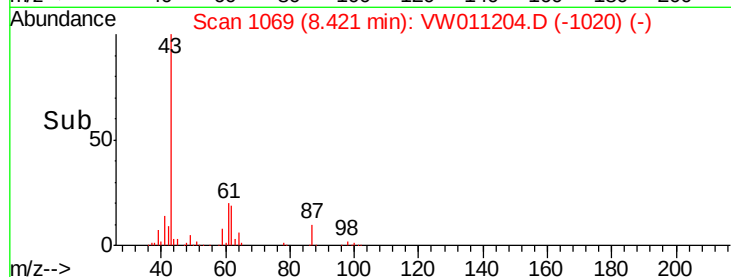
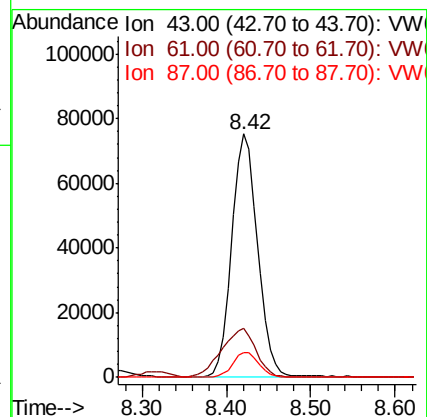
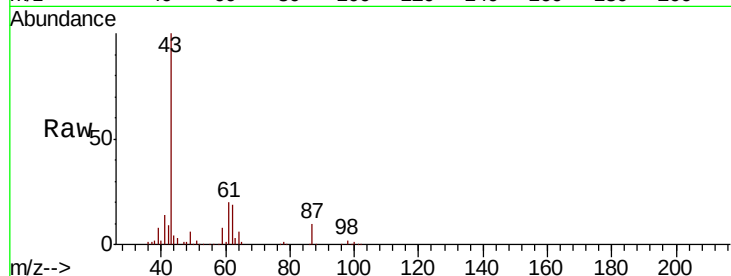
Tot Ion: 43 Resp: 156716

Ion Ratio Lower Upper

43 100

61 27.0 20.7 31.1

87 10.5 8.1 12.1



#44

Trichloroethene

Concen: 53.681 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011204.D

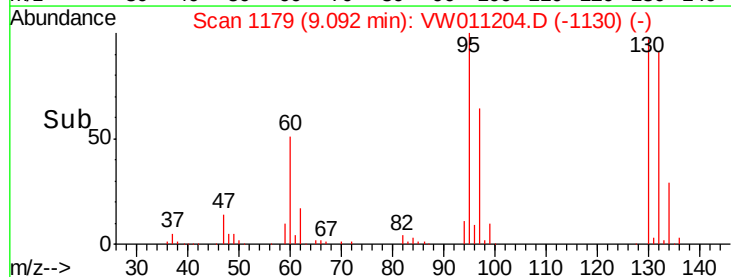
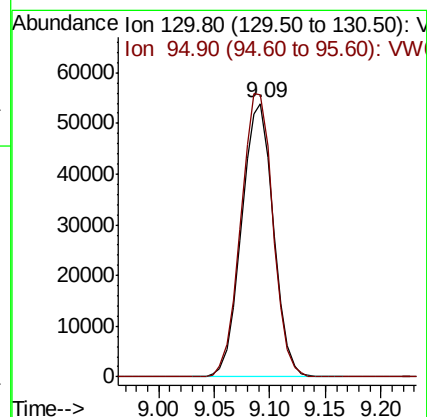
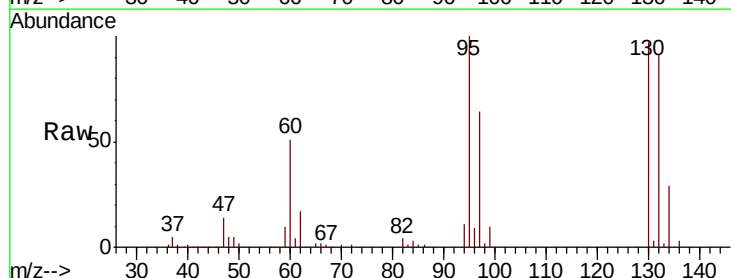
Acq: 10 Jul 2019 22:17

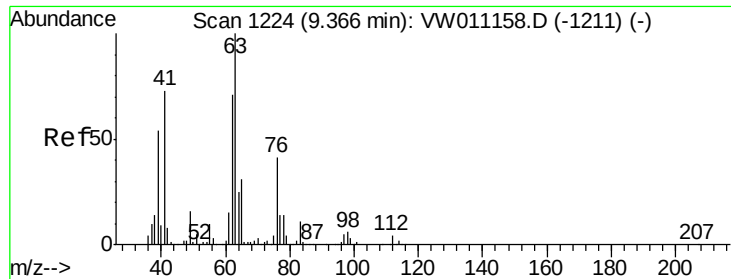
Tgt Ion: 130 Resp: 106921

Ion Ratio Lower Upper

130 100

95 103.3 0.0 203.6

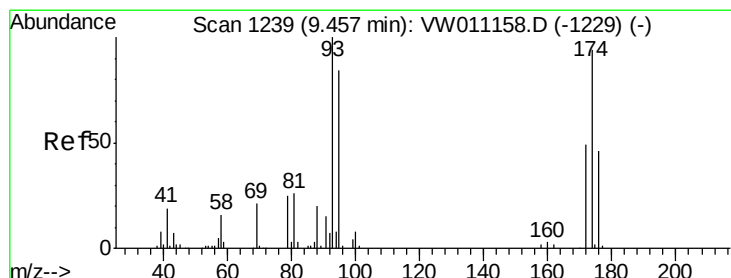
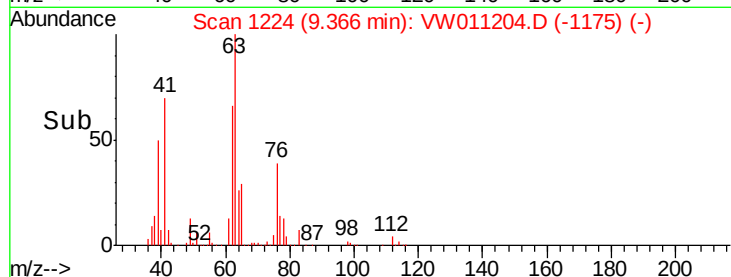
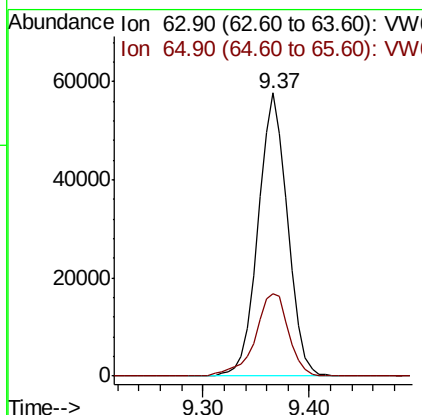
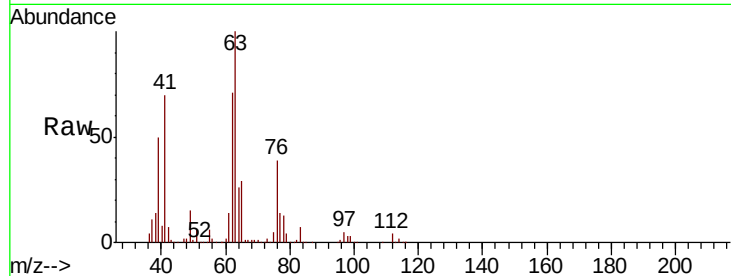




#45
 1,2-Dichloropropane
 Concen: 49.786 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

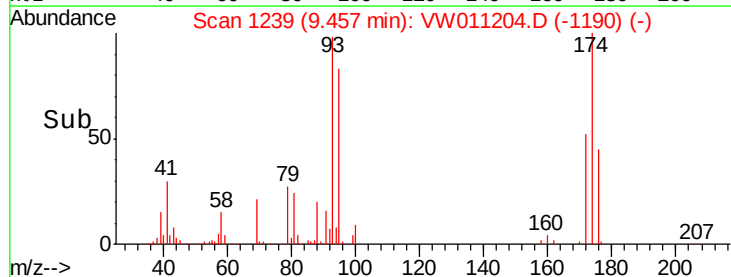
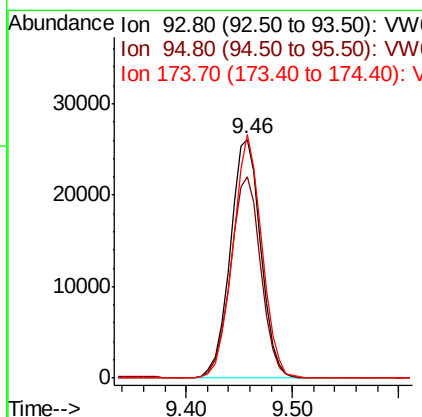
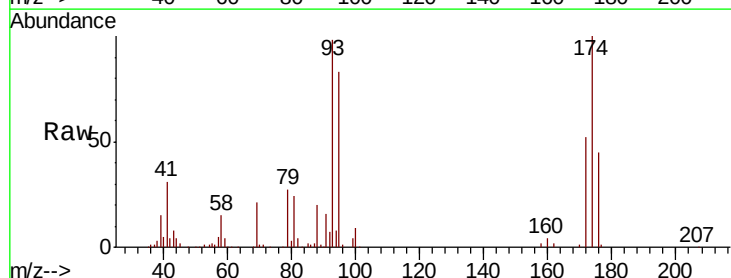
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

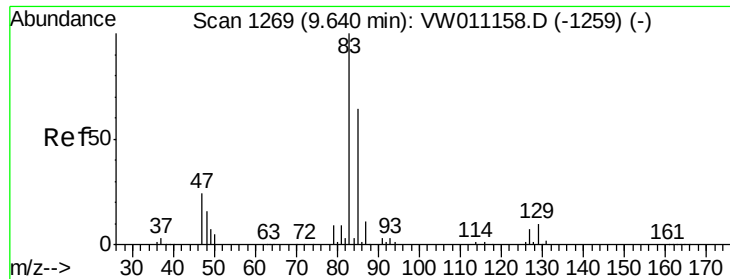
Tot Ion: 63 Resp: 111591
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.4 36.6



#46
 Dibromomethane
 Concen: 49.770 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion: 93 Resp: 52402
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.2 100.8
 174 96.7 76.3 114.5





#47

Bromodichloromethane

Concen: 44.377 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

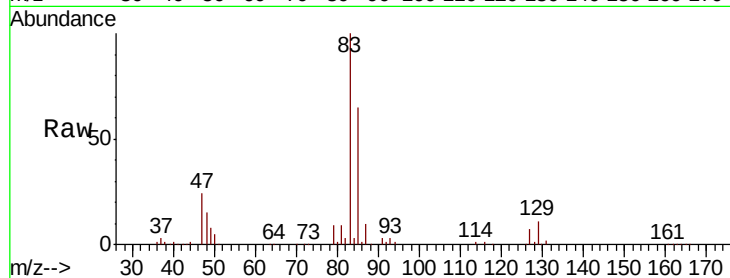
Tot Ion: 83 Resp: 119553

Ion Ratio Lower Upper

83 100

85 65.4 51.0 76.4

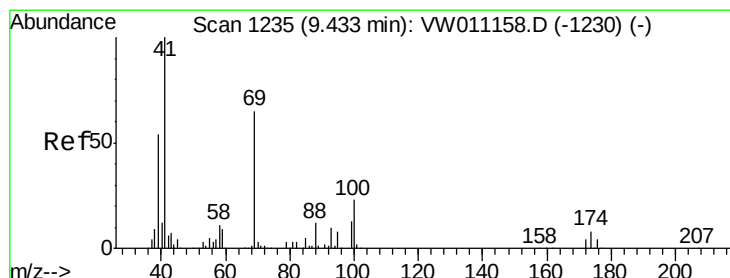
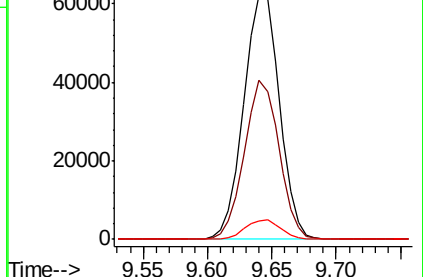
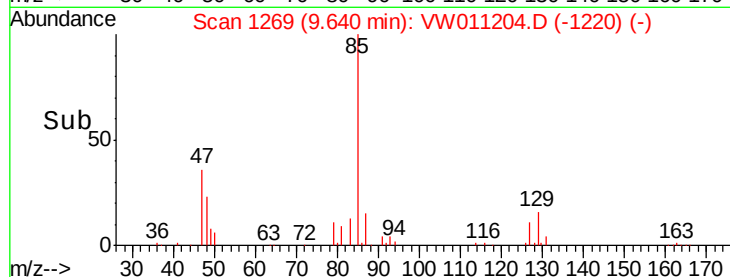
127 7.3 6.0 9.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 52.875 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

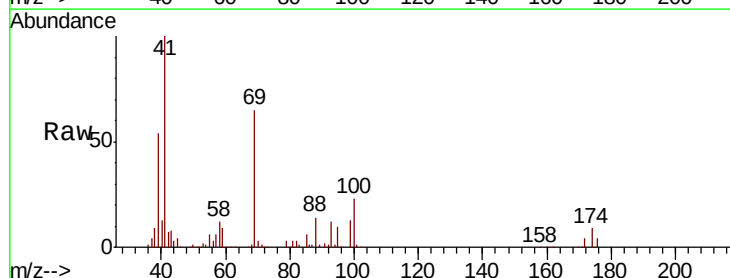
Tgt Ion: 41 Resp: 86423

Ion Ratio Lower Upper

41 100

69 70.5 56.0 84.0

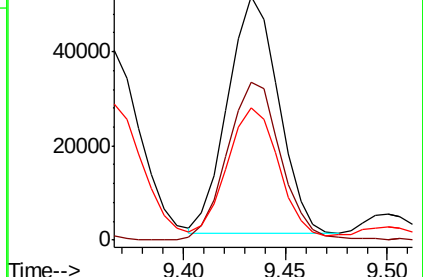
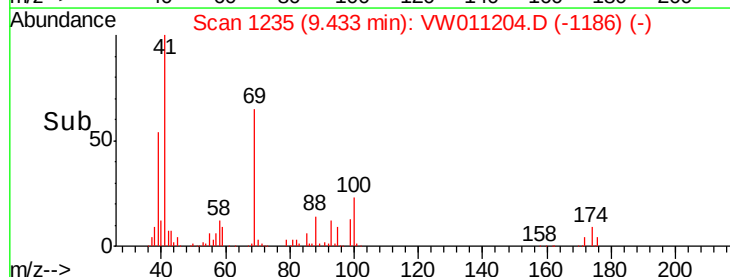
39 58.0 43.5 65.3

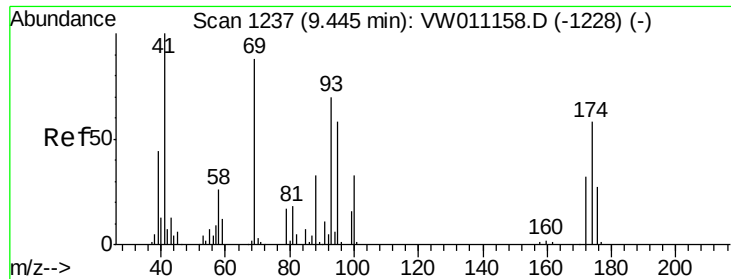


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

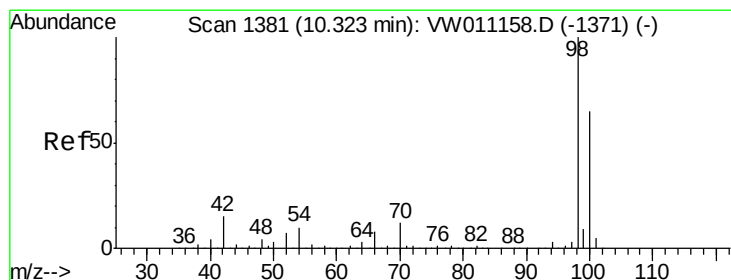
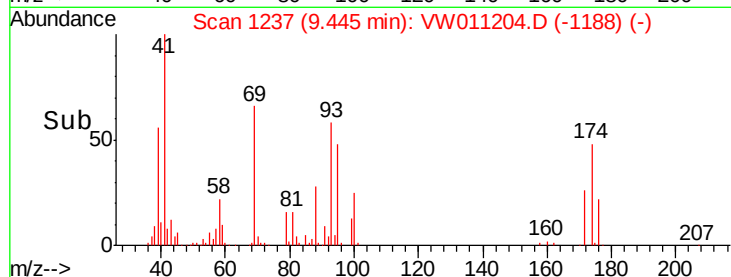
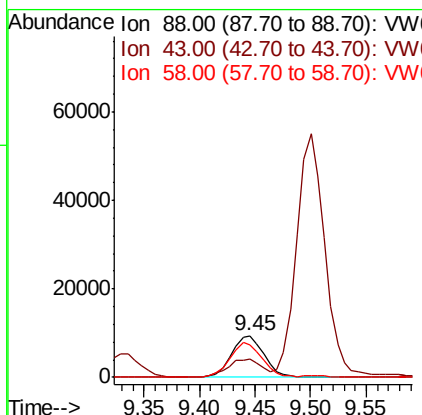
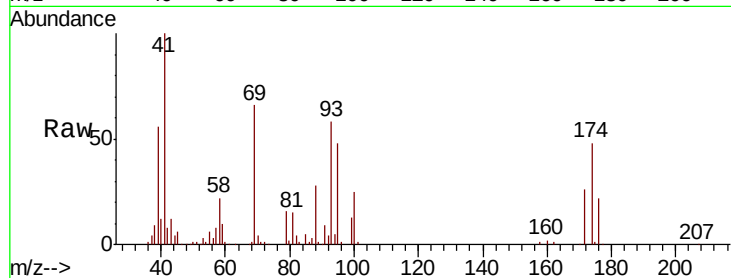




#49
1,4-Dioxane
Concen: 1088.670 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

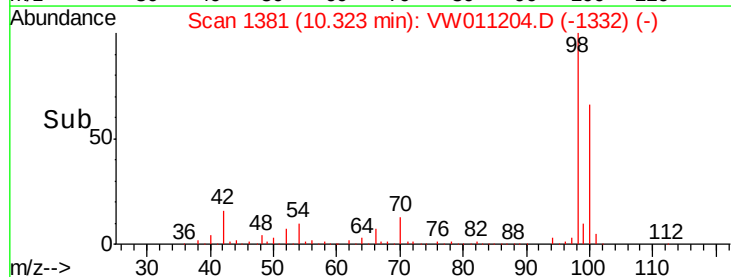
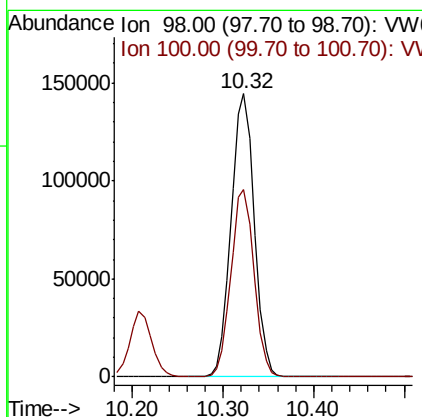
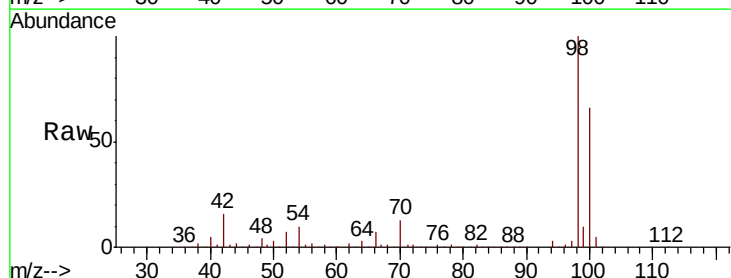
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

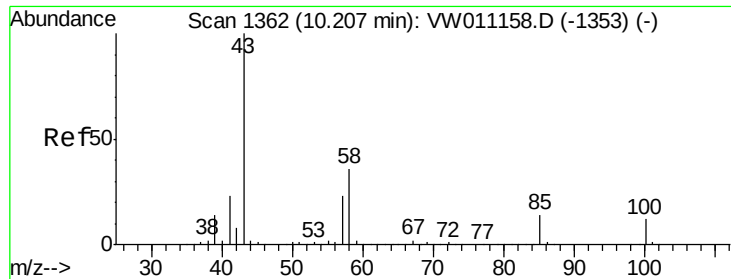
Tot Ion: 88 Resp: 19133
Ion Ratio Lower Upper
88 100
43 44.0 33.4 50.0
58 81.7 64.5 96.7



#50
Toluene-d8
Concen: 37.735 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 98 Resp: 255692
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 267.582 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

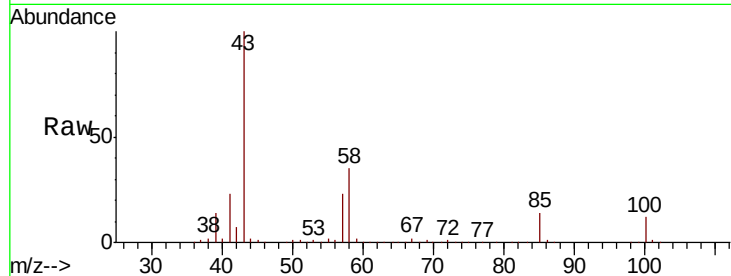
KY030LC068-SD-190709MSD

Tot Ion: 43 Resp: 474880

Ion Ratio Lower Upper

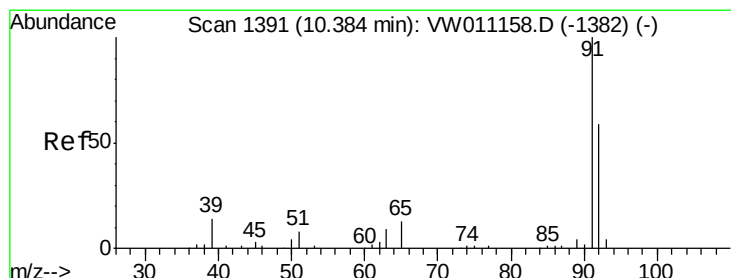
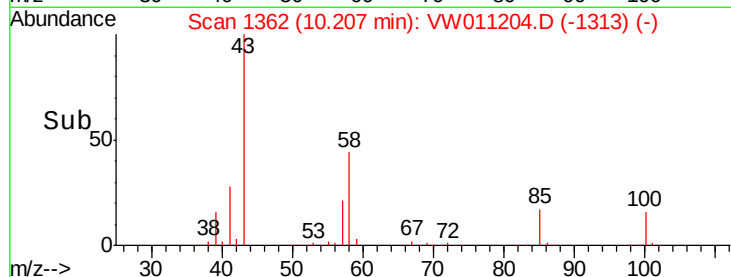
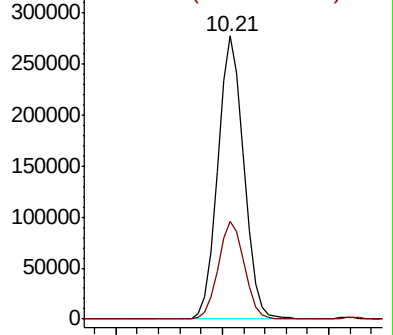
43 100

58 34.8 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: 49.102 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011204.D

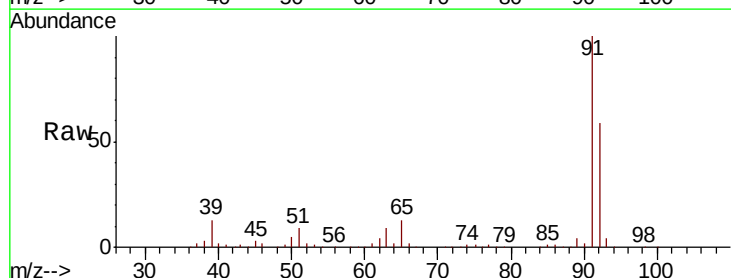
Acq: 10 Jul 2019 22:17

Tgt Ion: 92 Resp: 246540

Ion Ratio Lower Upper

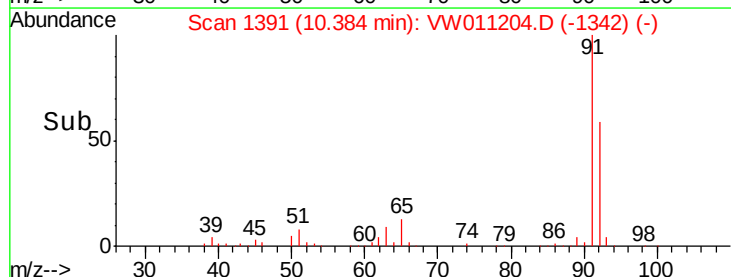
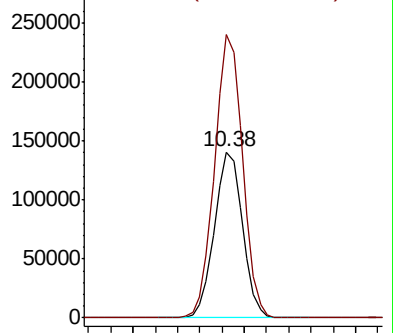
92 100

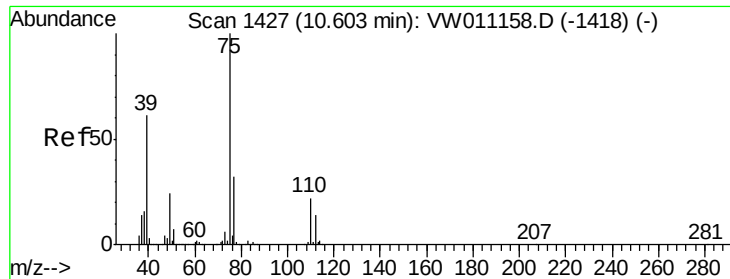
91 170.3 136.6 205.0



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: 43.215 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

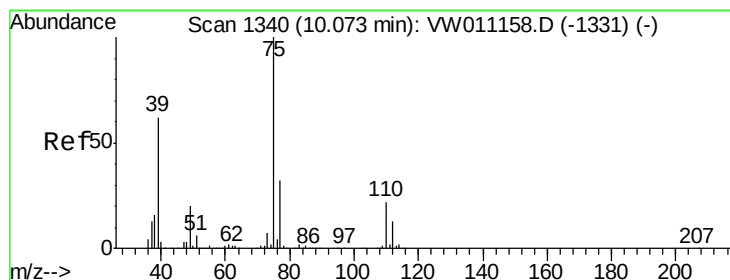
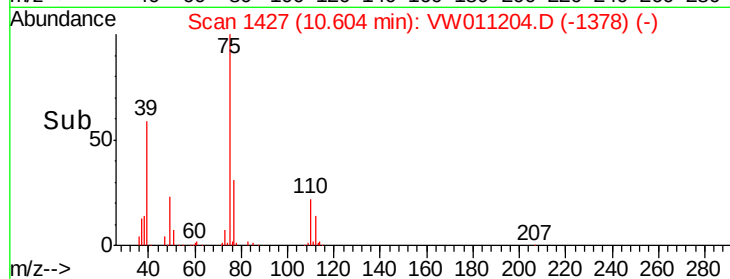
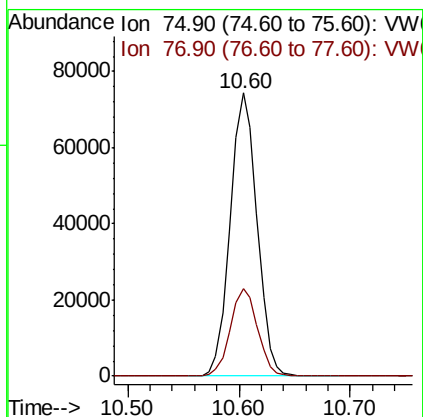
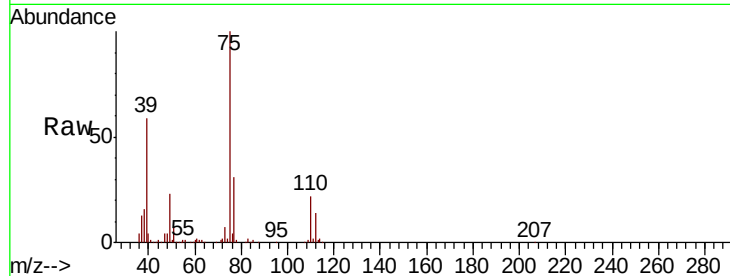
KY030LC068-SD-190709MSD

Tot Ion: 75 Resp: 123924

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 42.796 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

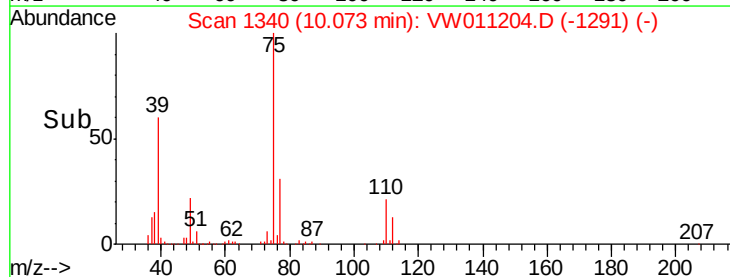
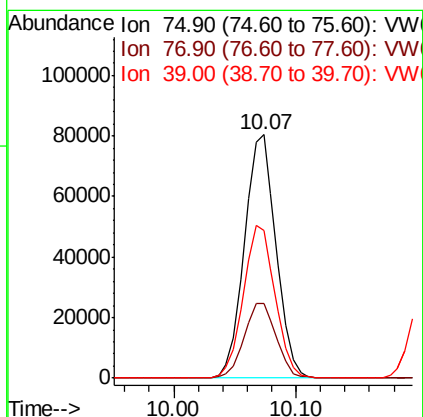
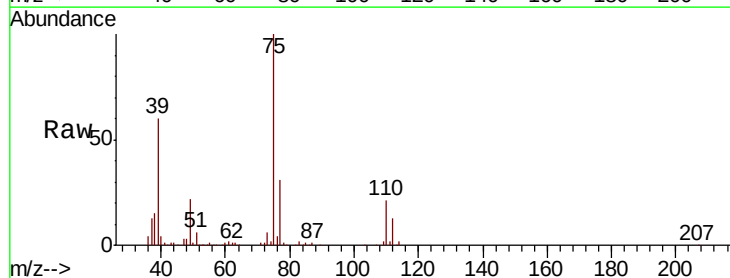
Tgt Ion: 75 Resp: 144451

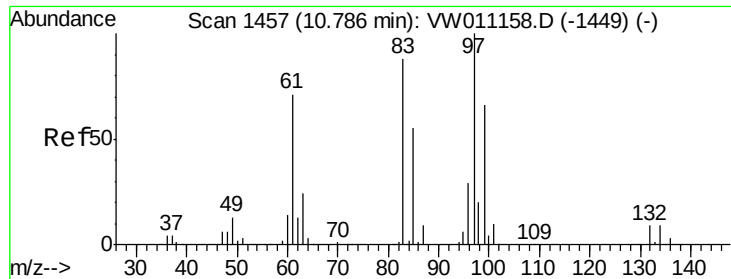
Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

39 60.3 49.8 74.8

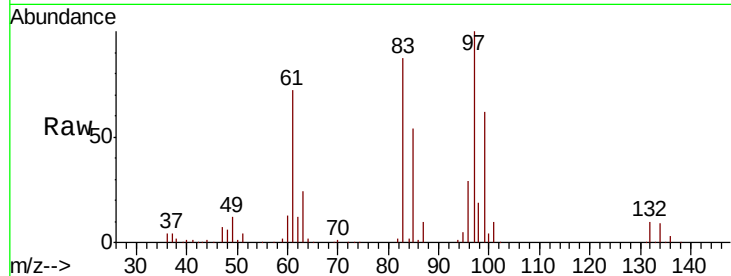




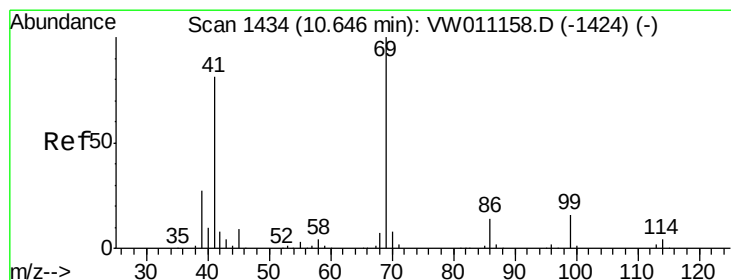
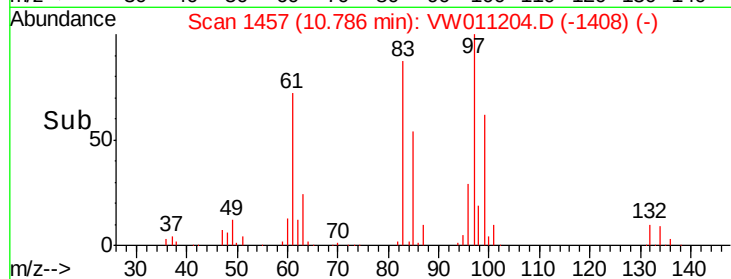
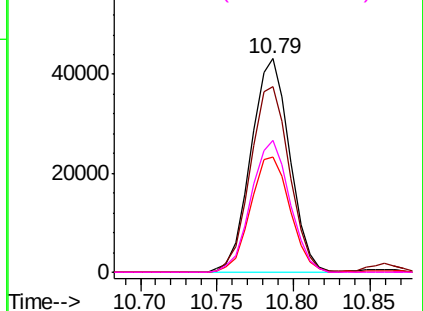
#55
 1,1,2-Trichloroethane
 Concen: 51.183 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

Tot Ion: 97 Resp: 76452
 Ion Ratio Lower Upper
 97 100
 83 87.2 70.2 105.4
 85 53.9 44.2 66.2
 99 61.9 52.6 79.0

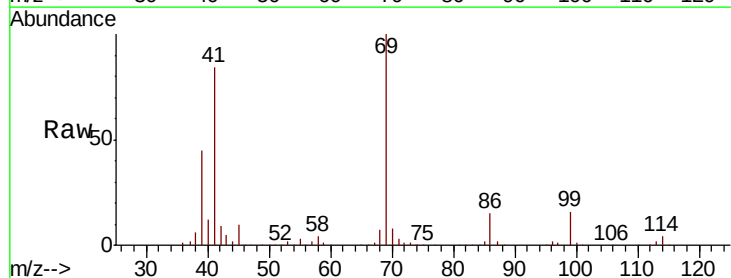


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

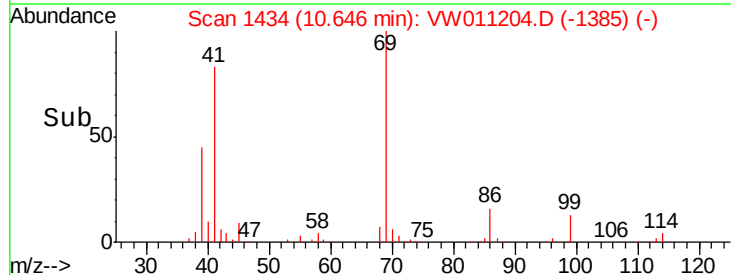
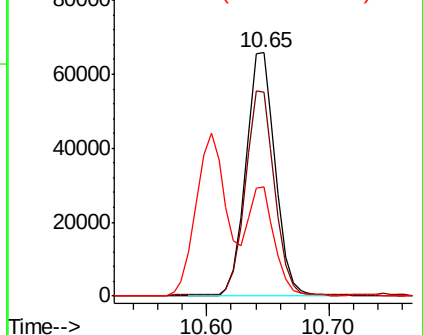


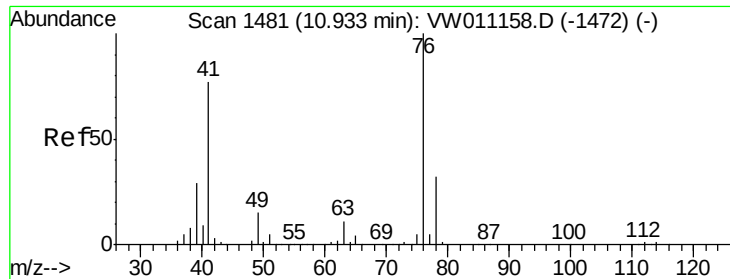
#56
 Ethyl methacrylate
 Concen: 48.221 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion: 69 Resp: 109661
 Ion Ratio Lower Upper
 69 100
 41 82.7 66.5 99.7
 39 39.3 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

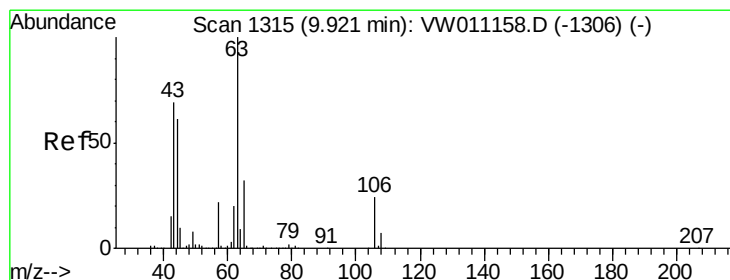
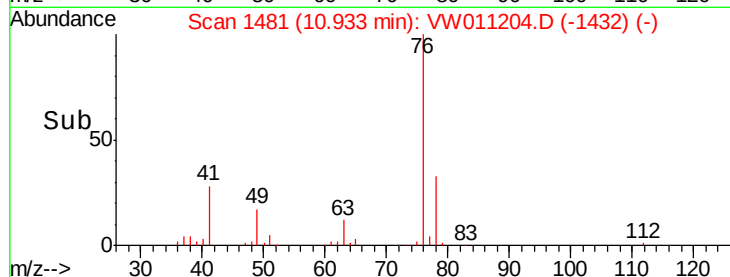
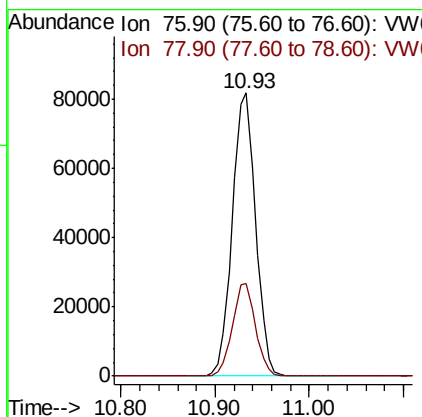
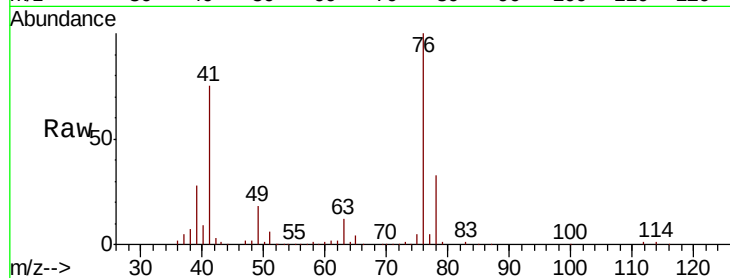




#57
 1,3-Dichloropropane
 Concen: 49.651 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

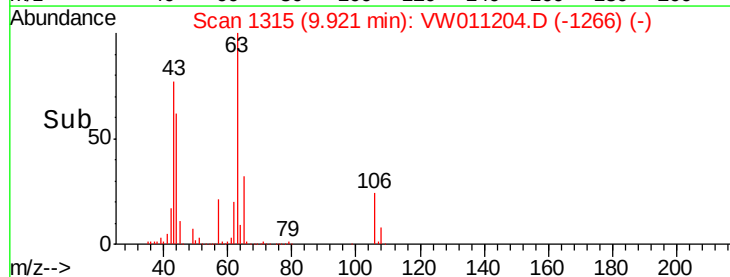
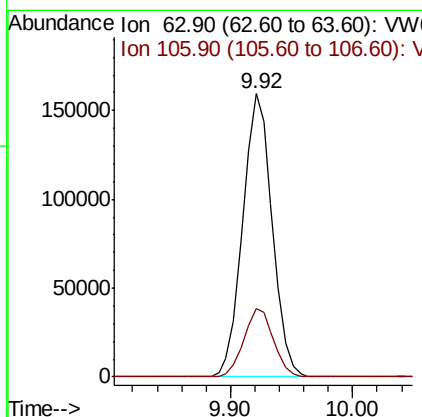
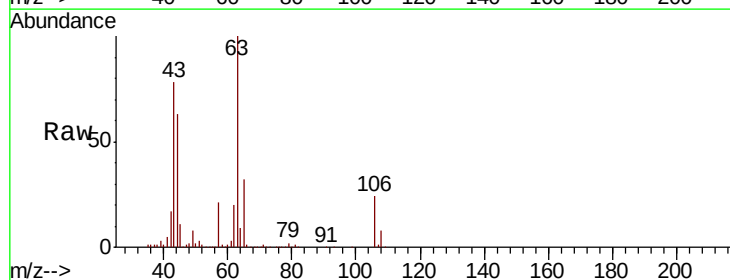
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

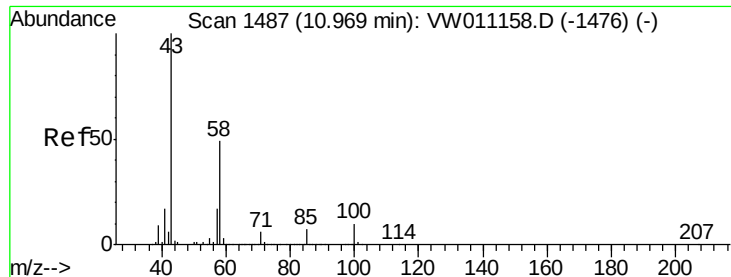
Tot Ion: 76 Resp: 140244
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.627 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion: 63 Resp: 266340
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0

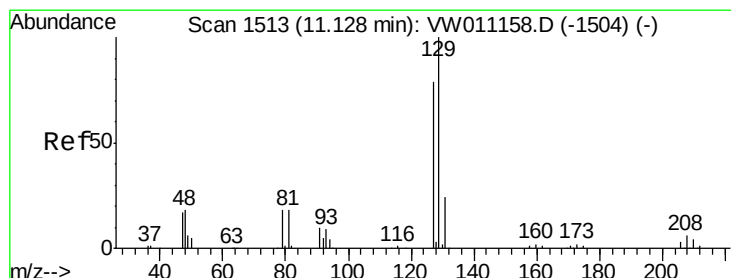
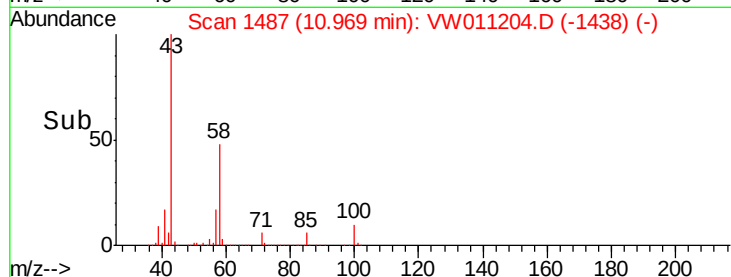
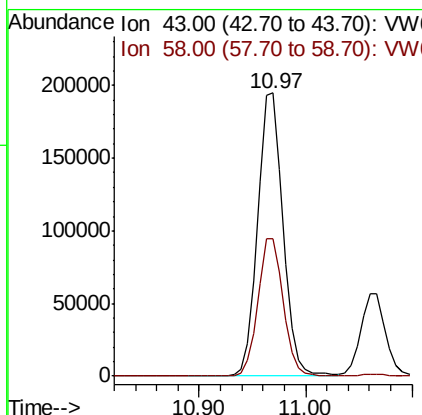
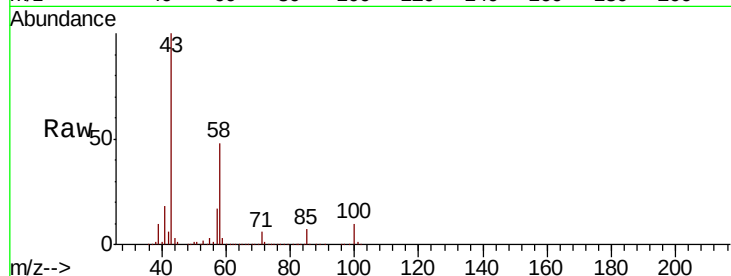




#59
2-Hexanone
Concen: 265.056 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

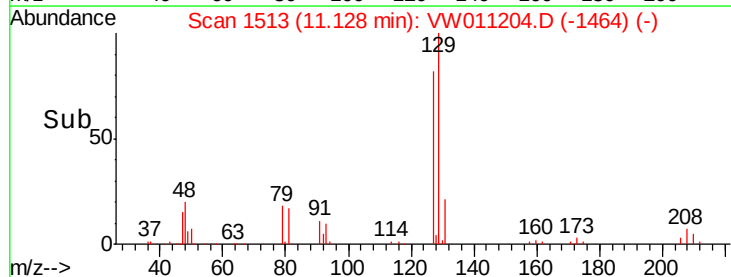
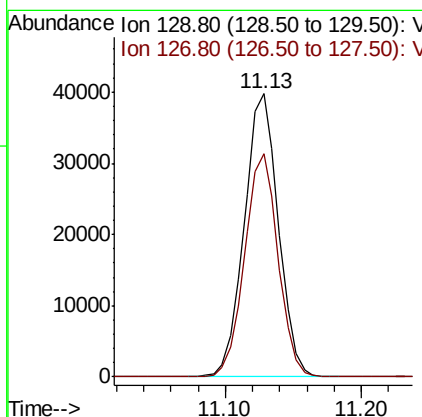
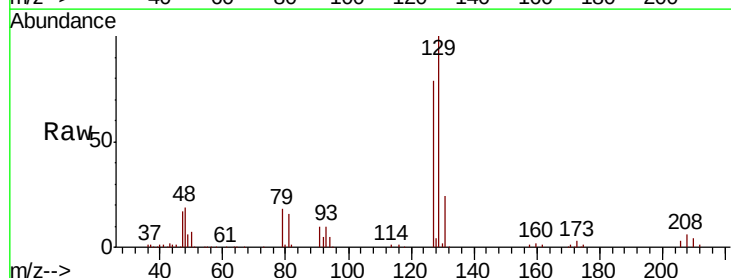
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

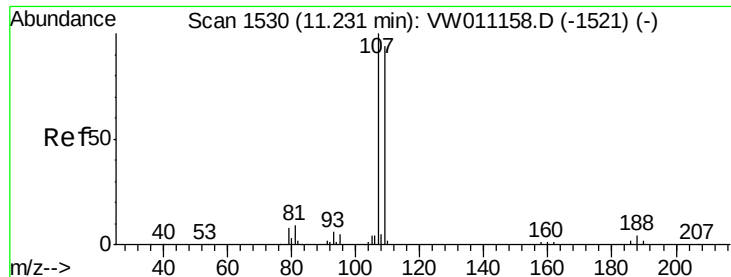
Tot Ion: 43 Resp: 326221
Ion Ratio Lower Upper
43 100
58 48.7 24.4 73.4



#60
Dibromochloromethane
Concen: 42.491 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 129 Resp: 69597
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3

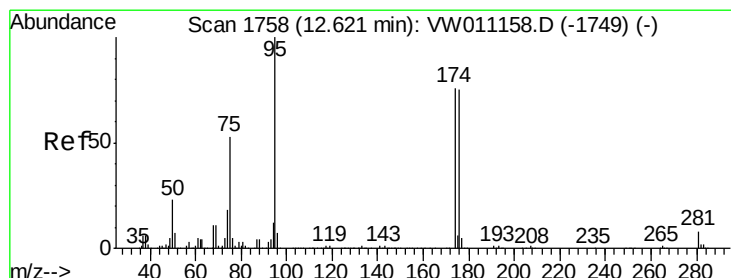
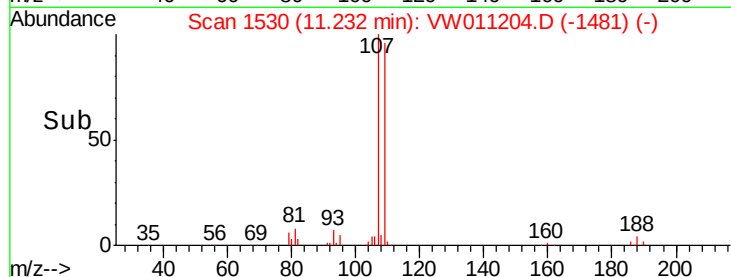
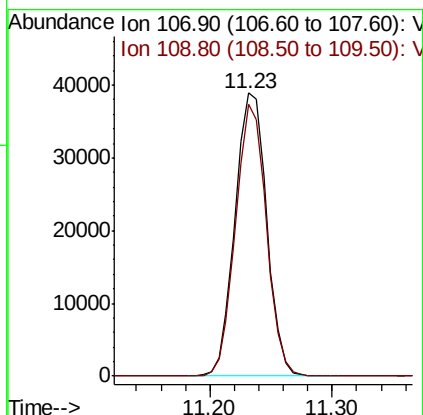
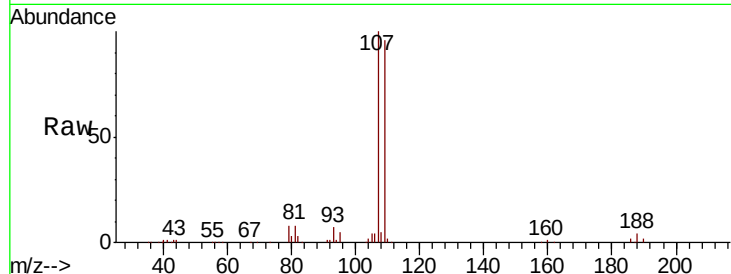




#61
 1,2-Dibromoethane
 Concen: 49.341 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

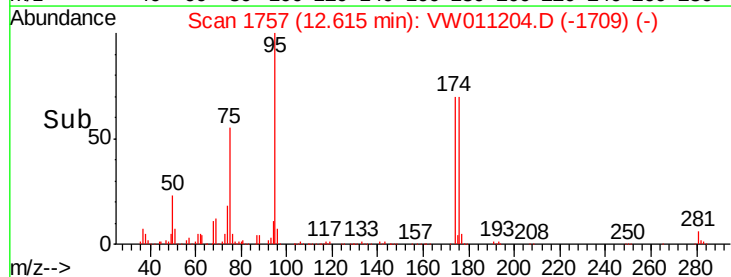
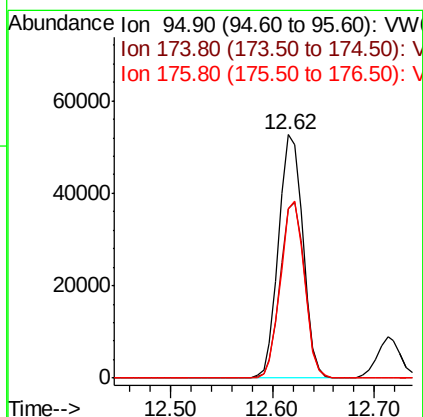
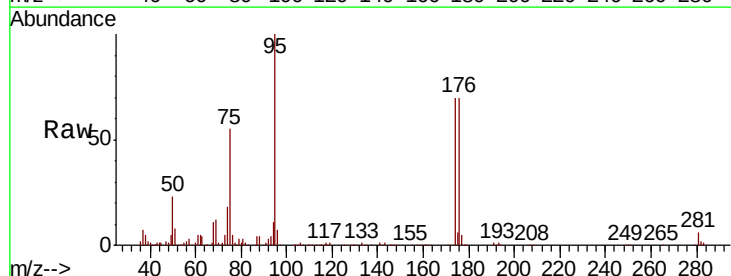
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

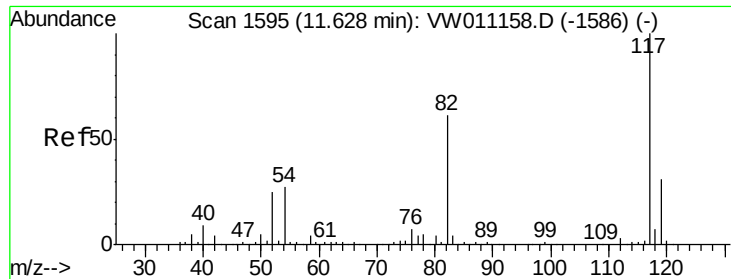
Tot Ion:107 Resp: 69811
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 34.919 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion: 95 Resp: 86728
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 147.6
 176 70.9 0.0 144.6

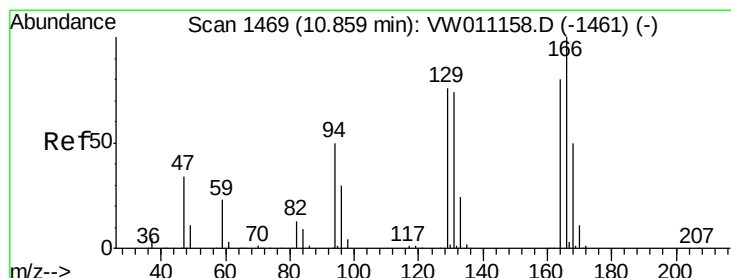
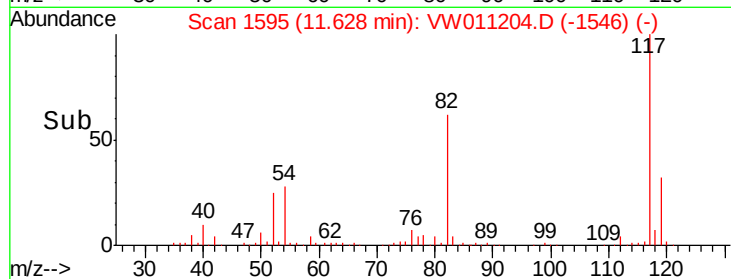
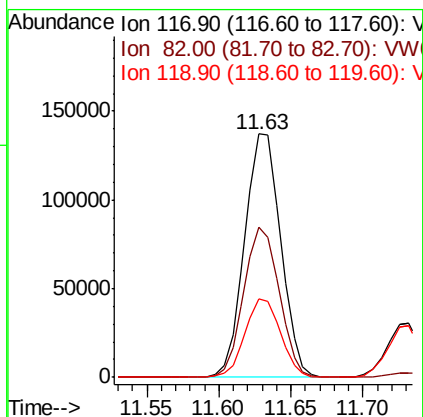
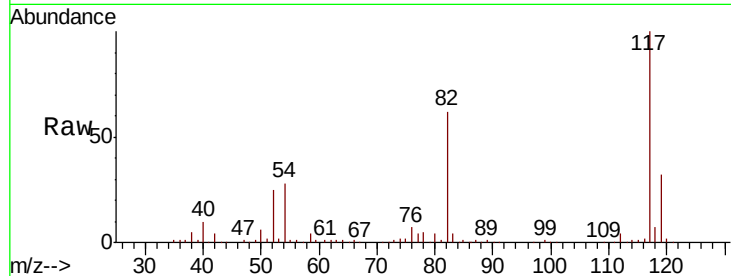




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

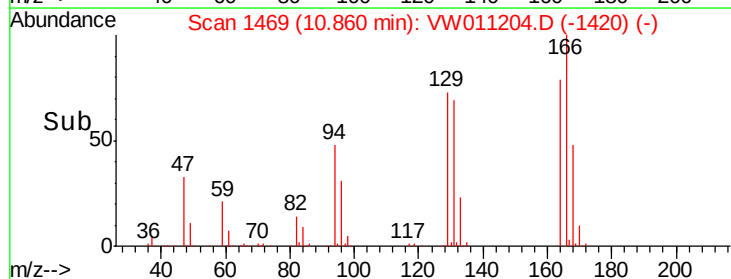
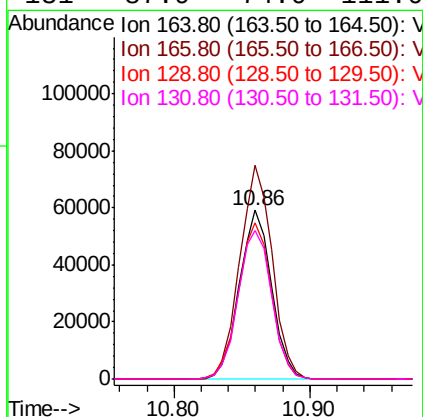
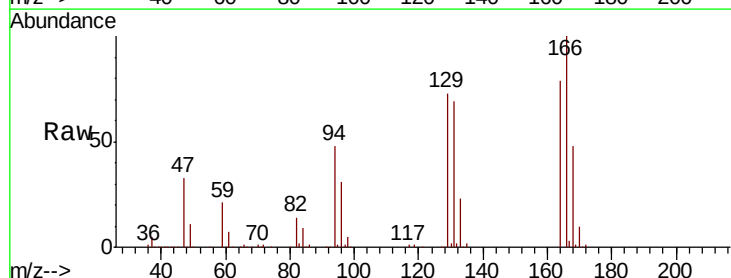
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

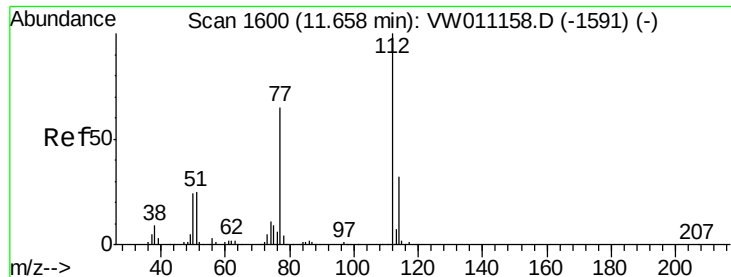
Tot Ion:117 Resp: 238341
Ion Ratio Lower Upper
117 100
82 61.8 48.9 73.3
119 31.9 25.0 37.6



#64
Tetrachloroethene
Concen: 60.877 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion:164 Resp: 97907
Ion Ratio Lower Upper
164 100
166 126.6 99.7 149.5
129 92.4 76.2 114.2
131 87.9 74.0 111.0

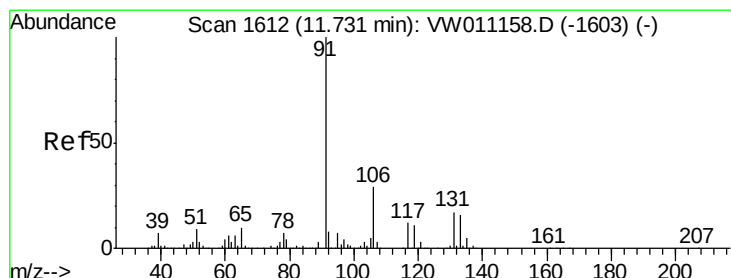
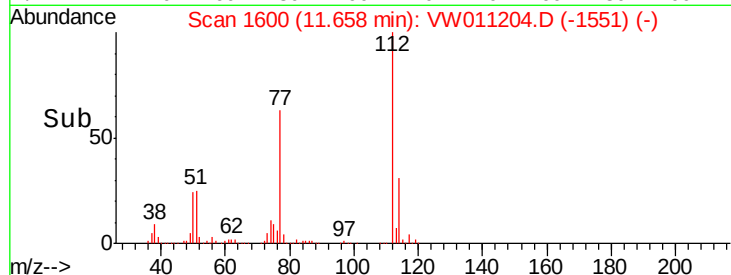
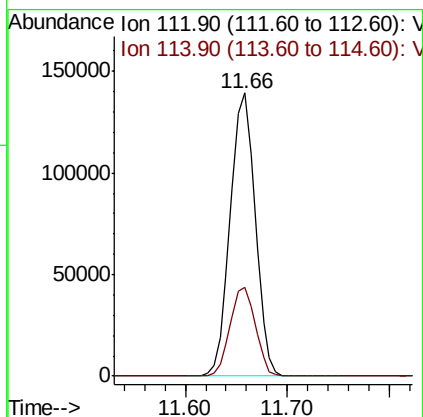
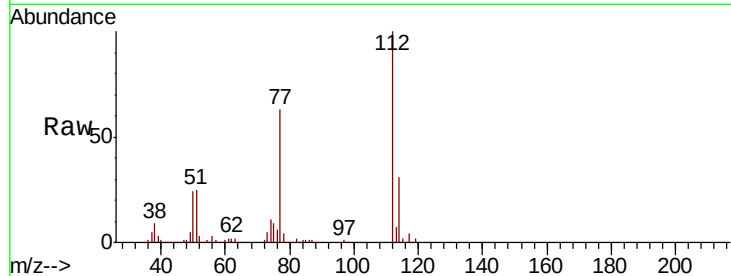




#65
Chlorobenzene
Concen: 48.825 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

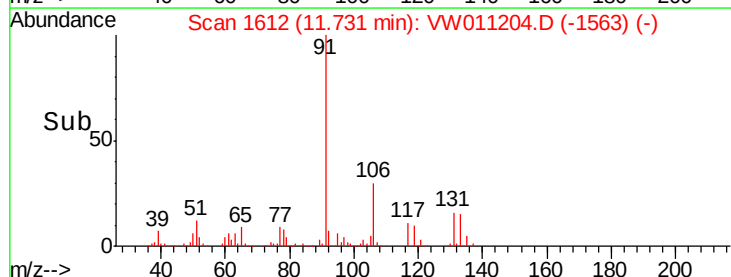
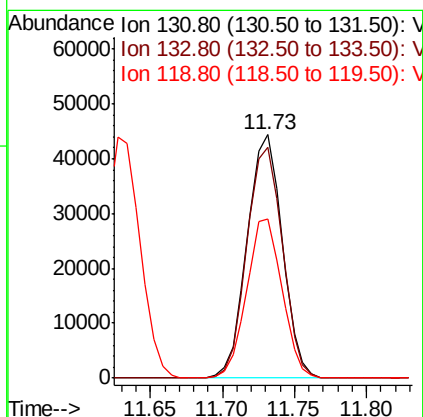
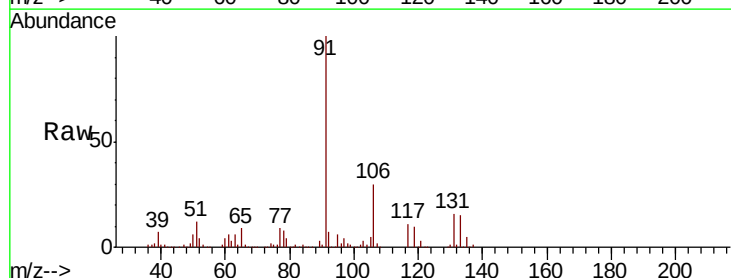
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

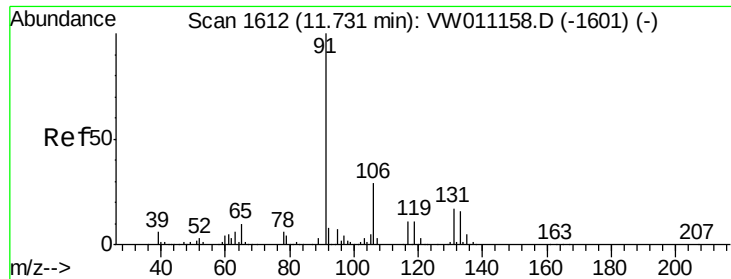
Tot Ion:112 Resp: 236596
Ion Ratio Lower Upper
112 100
114 31.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 43.900 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion:131 Resp: 74901
Ion Ratio Lower Upper
131 100
133 96.3 47.9 143.8
119 65.8 33.1 99.2

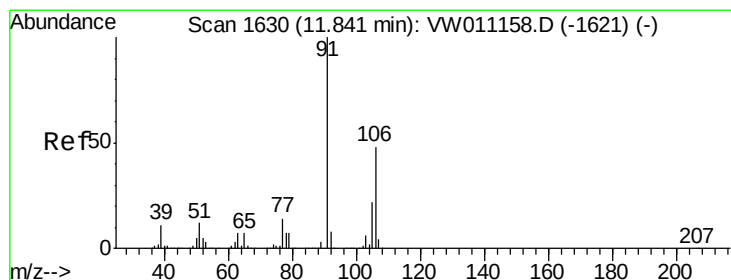
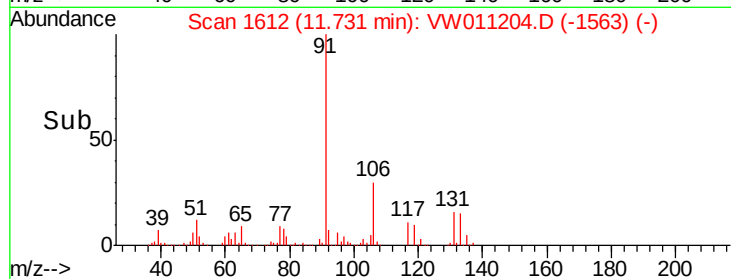
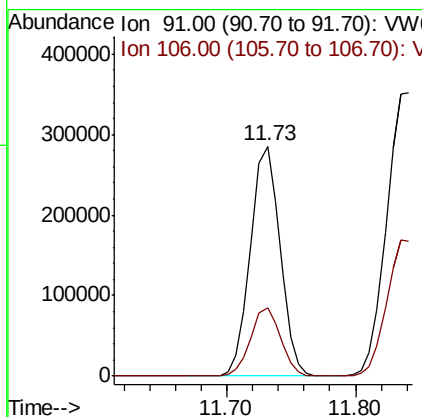
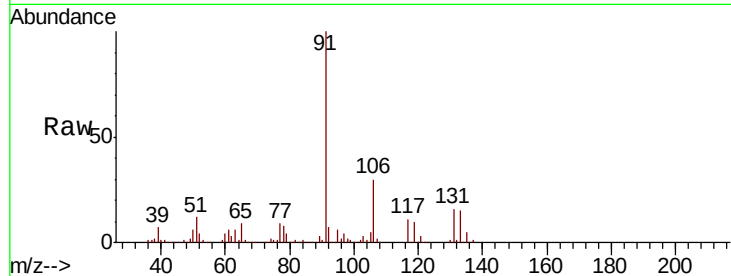




#67
Ethyl Benzene
Concen: 48.908 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

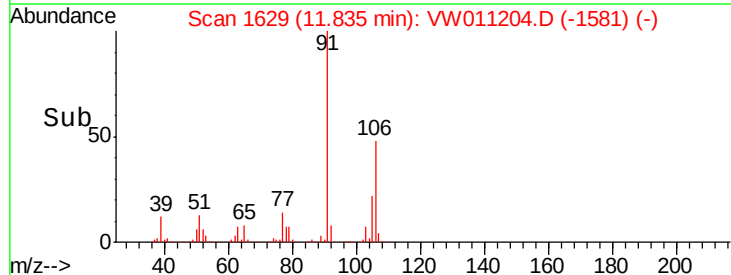
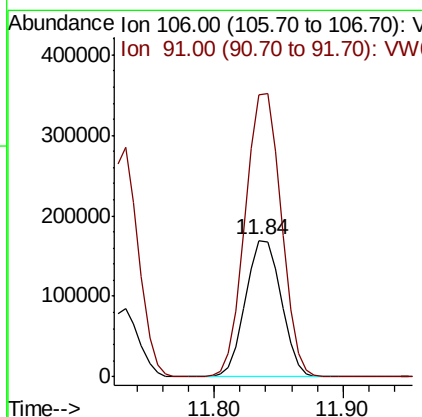
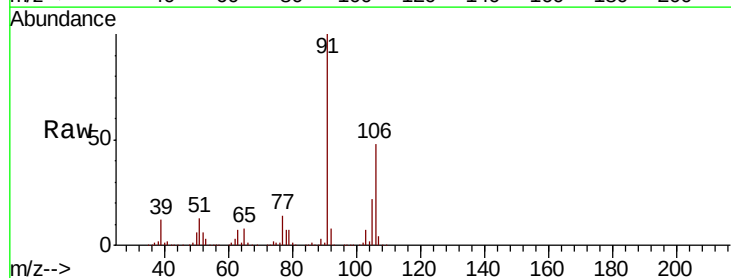
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

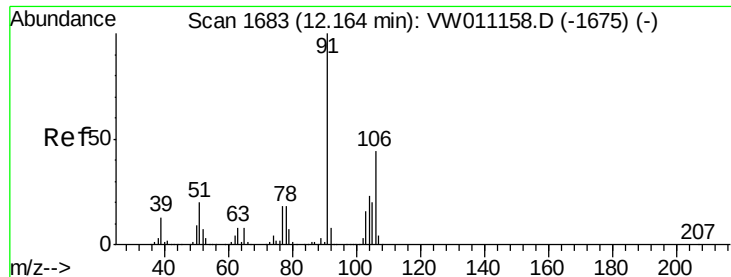
Tot Ion: 91 Resp: 453697
Ion Ratio Lower Upper
91 100
106 29.5 23.5 35.3



#68
m/p-Xylenes
Concen: 97.108 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 106 Resp: 325954
Ion Ratio Lower Upper
106 100
91 209.2 167.7 251.5

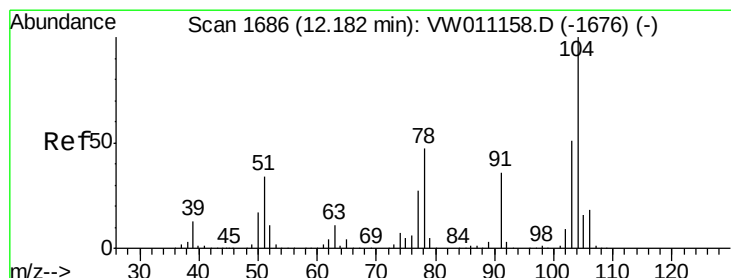
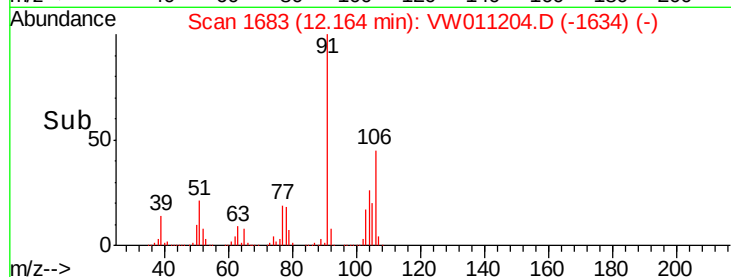
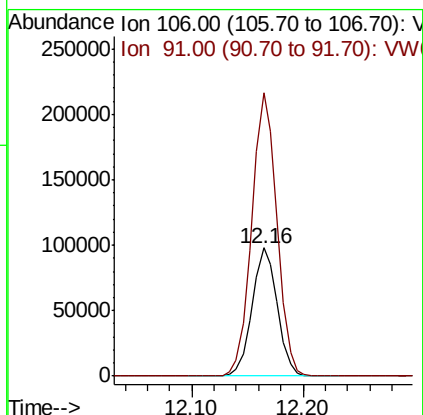
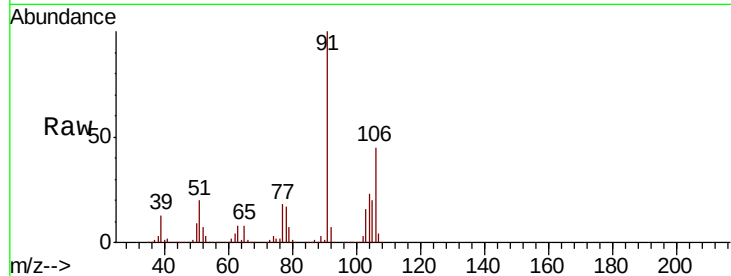




#69
o-Xylene
Concen: 48.533 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

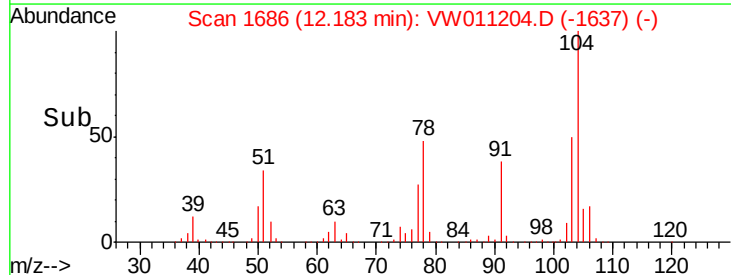
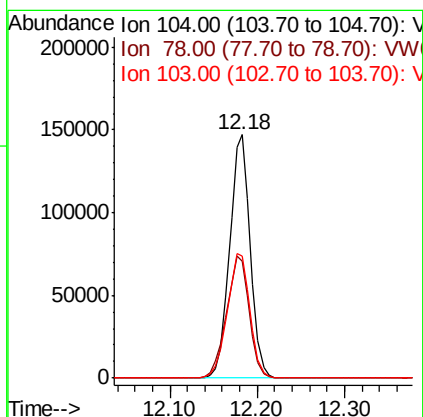
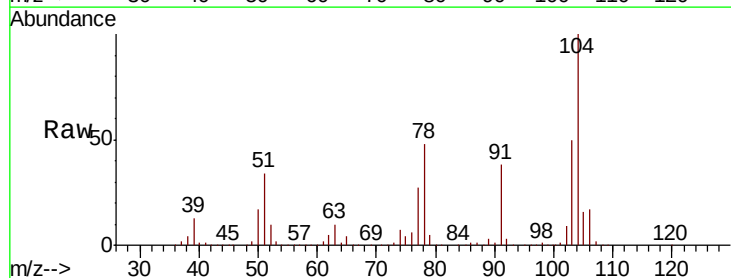
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

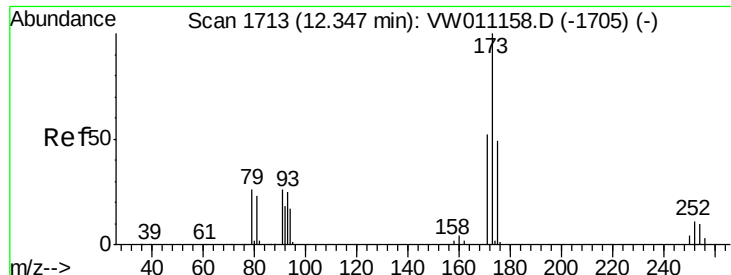
Tot Ion:106 Resp: 153543
Ion Ratio Lower Upper
106 100
91 221.7 110.7 332.1



#70
Styrene
Concen: 44.076 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion:104 Resp: 240651
Ion Ratio Lower Upper
104 100
78 55.2 43.1 64.7
103 55.8 44.1 66.1

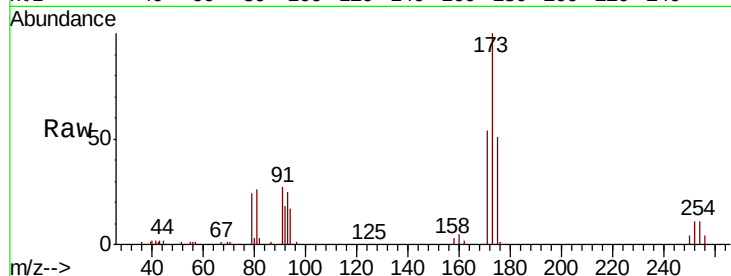




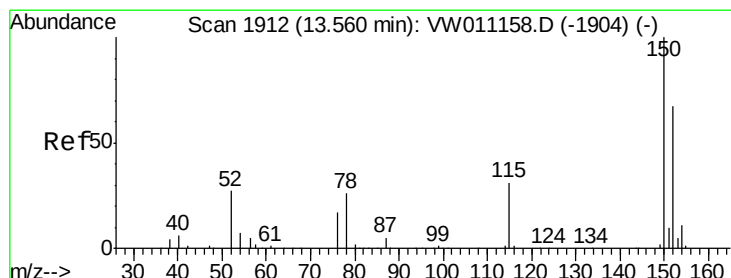
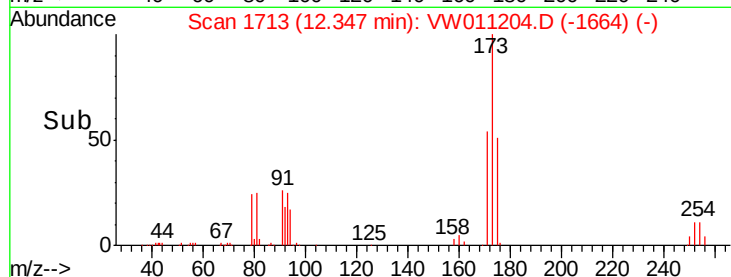
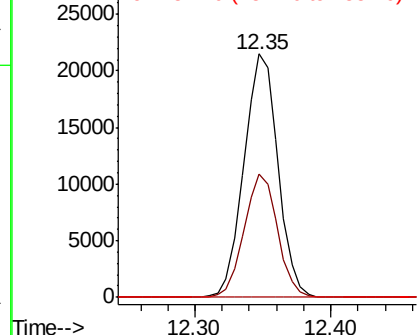
#71
Bromoform
Concen: 41.258 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

Tot Ion:173 Resp: 37427
Ion Ratio Lower Upper
173 100
175 49.9 24.8 74.3
254 0.0 0.0 0.0

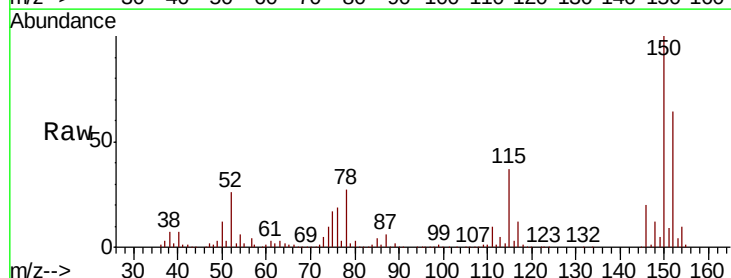


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

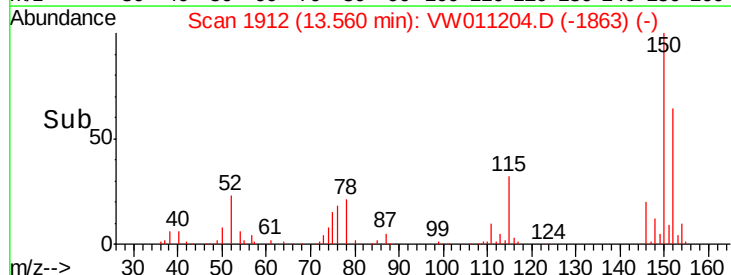
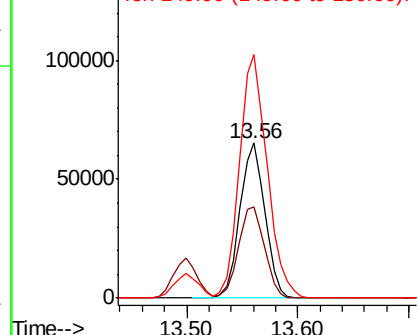


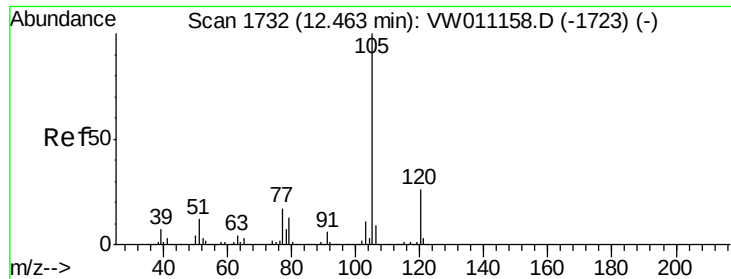
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion:152 Resp: 101669
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.3
150 173.1 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: 53.534 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

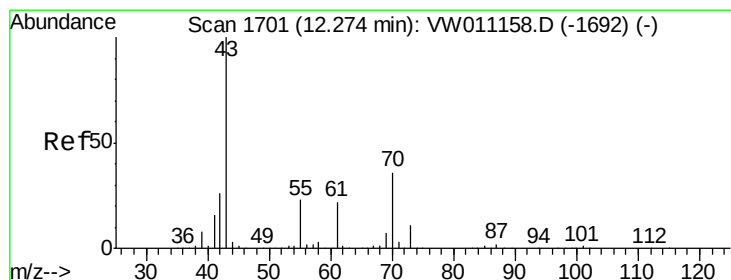
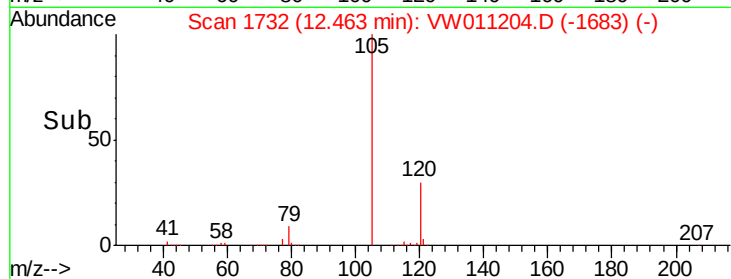
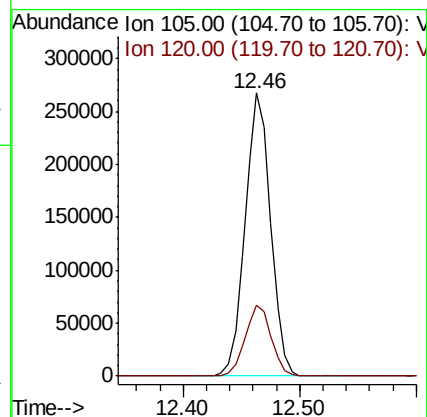
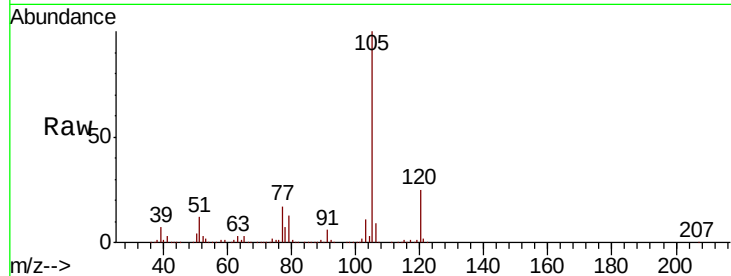
KY030LC068-SD-190709MSD

Tot Ion:105 Resp: 406863

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#74

N-ethyl acetate

Concen: 31.033 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Tgt Ion: 43 Resp: 82143

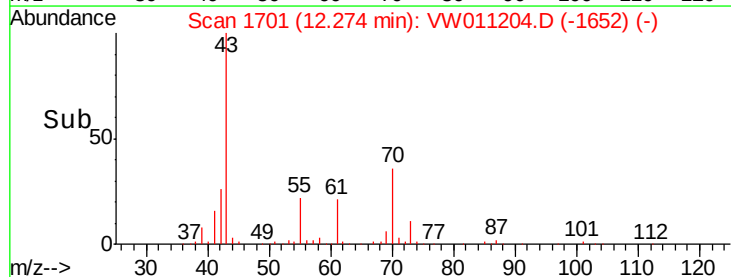
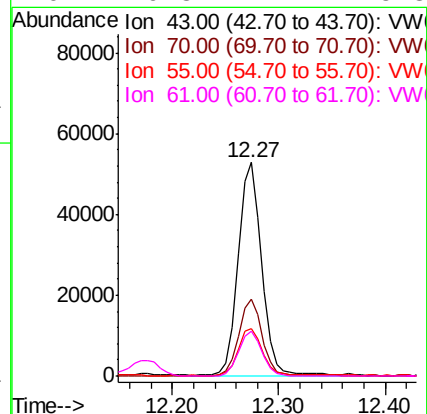
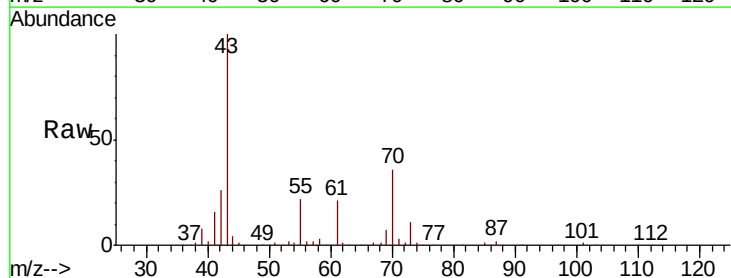
Ion Ratio Lower Upper

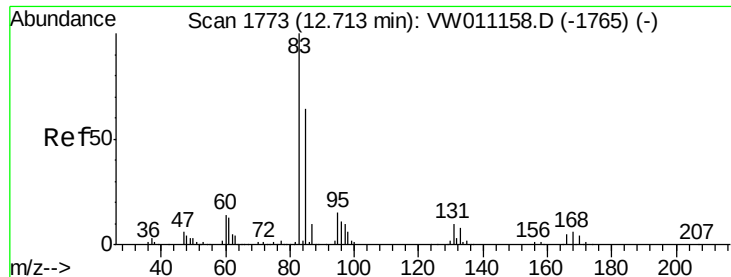
43 100

70 36.2 28.5 42.7

55 22.4 18.1 27.1

61 20.8 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 59.244 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

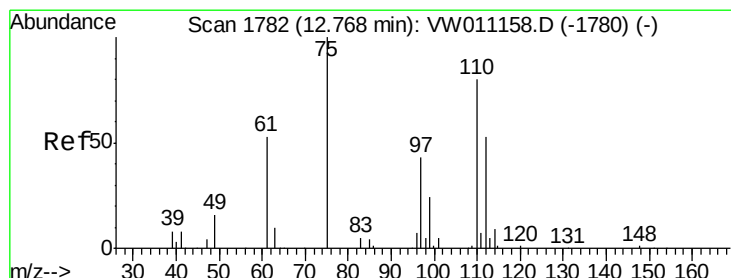
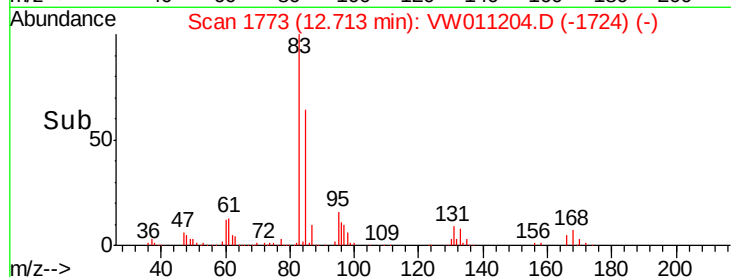
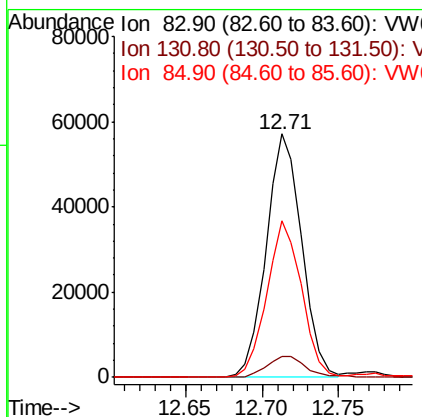
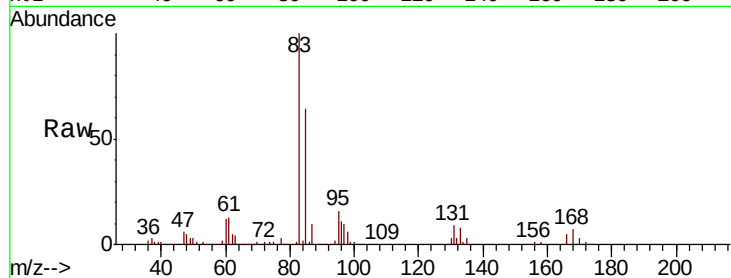
Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

Tot Ion:	83	Resp:	92297
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	15.0
85	63.1	31.6	94.8



#76

1,2,3-Trichloropropane

Concen: 95.349 ug/l

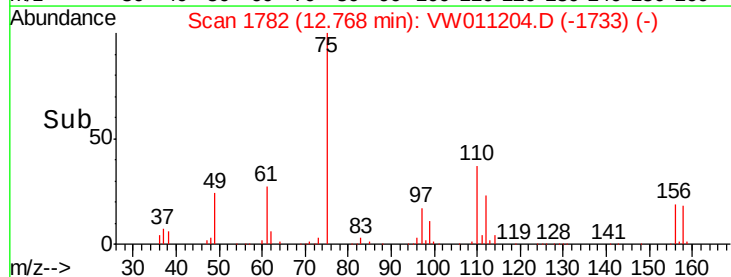
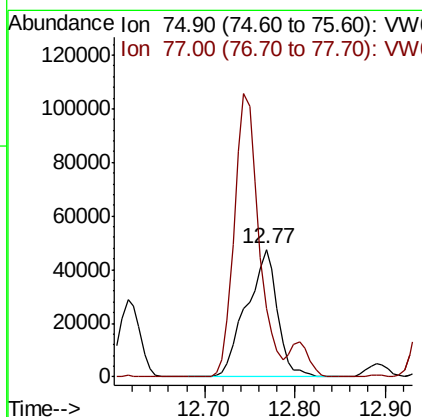
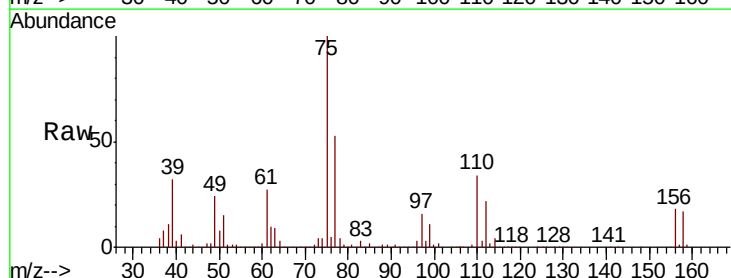
RT: 12.77 min Scan# 1782

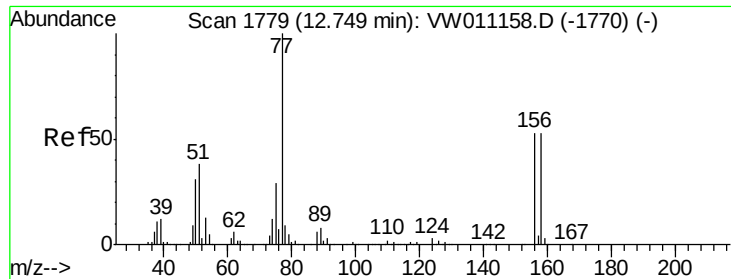
Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Tgt Ion:	75	Resp:	112027
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.343 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

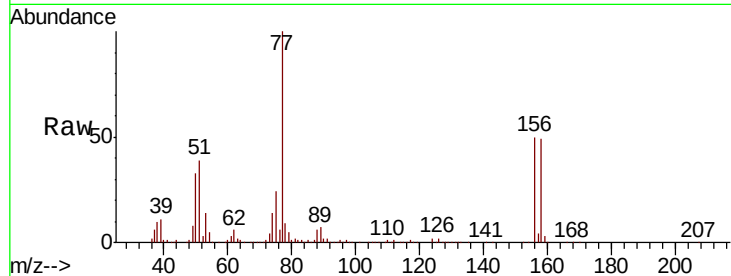
Tot Ion:156 Resp: 90983

Ion Ratio Lower Upper

156 100

77 219.3 109.0 327.0

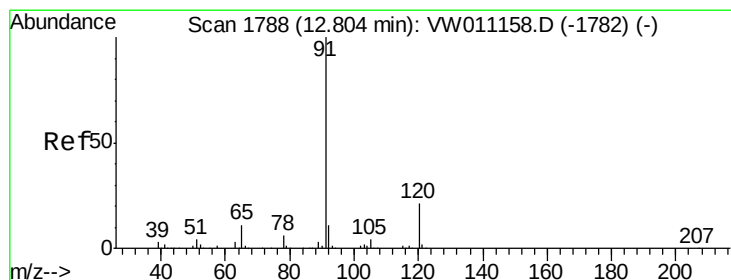
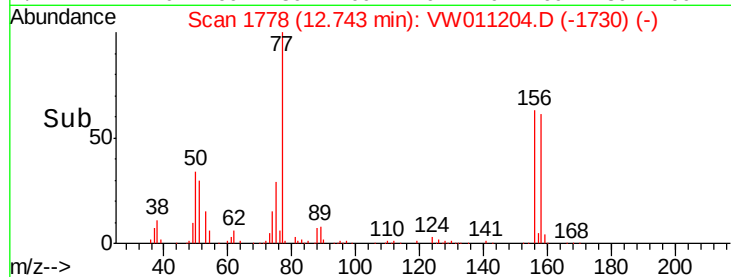
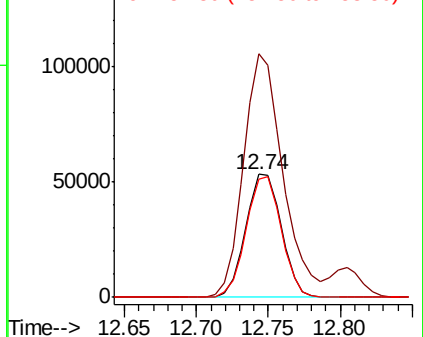
158 96.8 48.8 146.3



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: 50.893 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011204.D

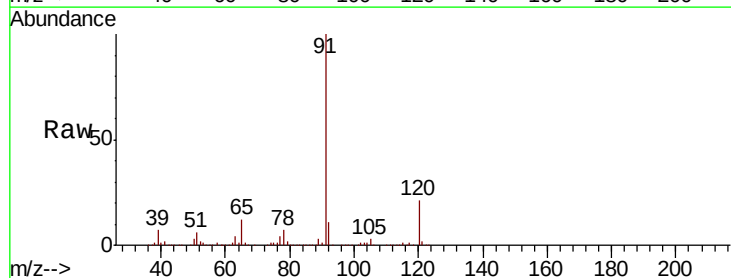
Acq: 10 Jul 2019 22:17

Tgt Ion: 91 Resp: 476471

Ion Ratio Lower Upper

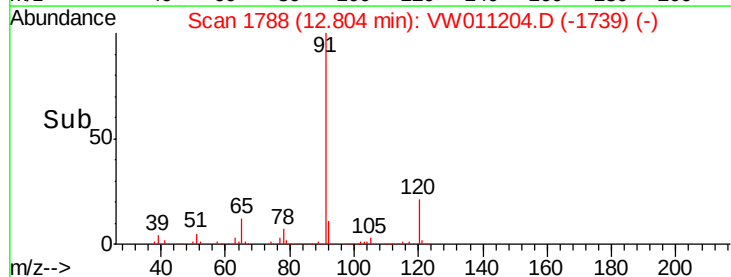
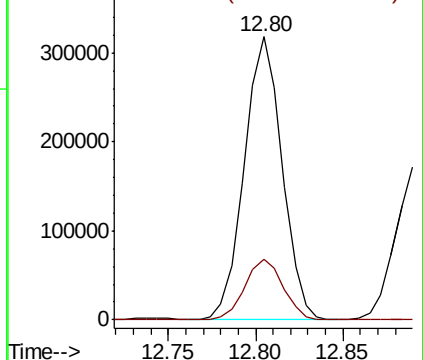
91 100

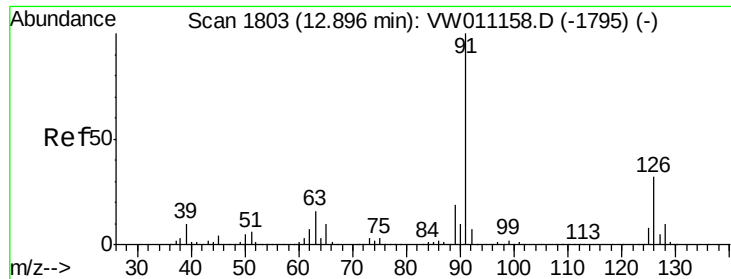
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.971 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

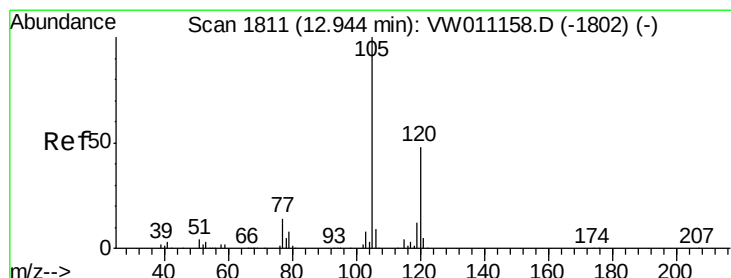
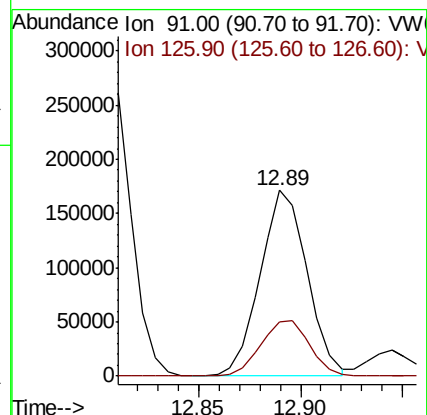
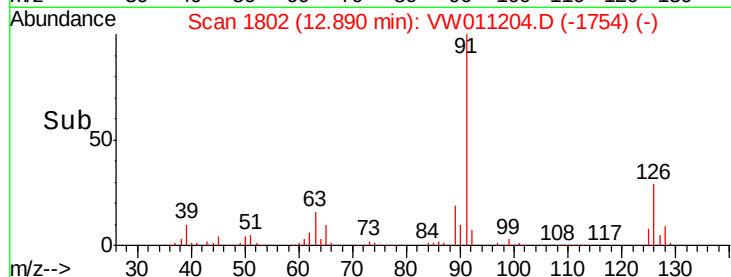
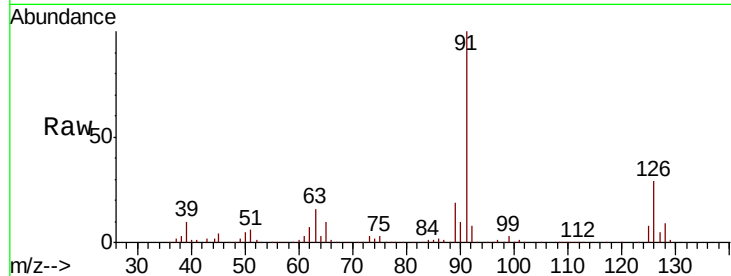
KY030LC068-SD-190709MSD

Tot Ion: 91 Resp: 274607

Ion Ratio Lower Upper

91 100

126 31.3 15.8 47.3



#80

1,3,5-Trimethylbenzene

Concen: 50.809 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011204.D

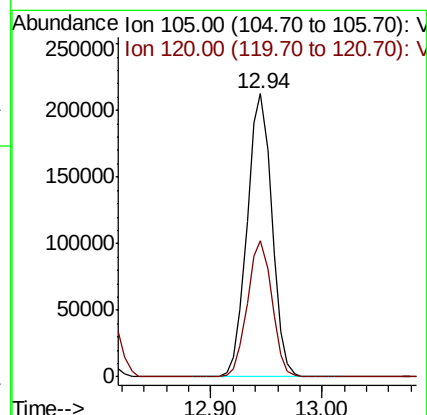
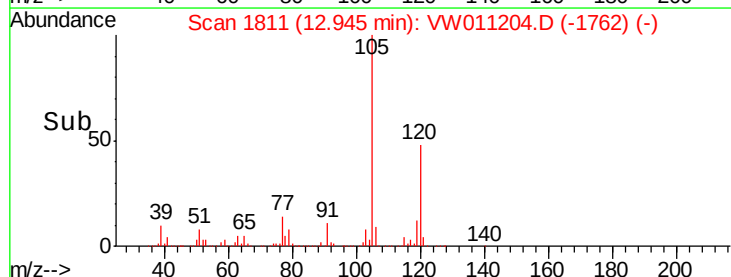
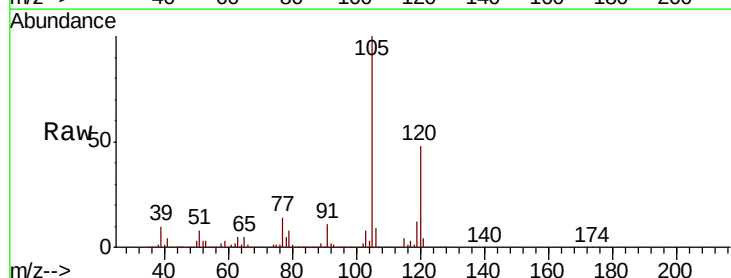
Acq: 10 Jul 2019 22:17

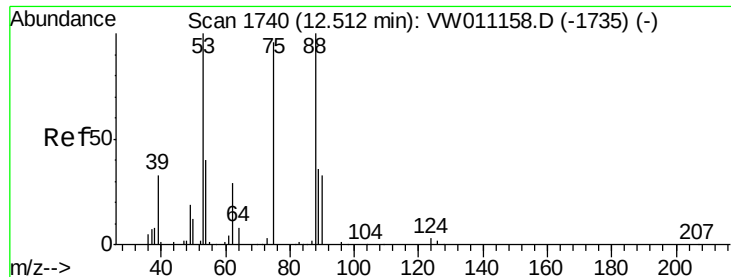
Tgt Ion:105 Resp: 328060

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 39.892 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

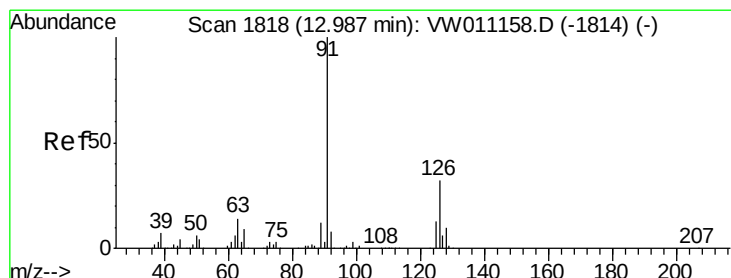
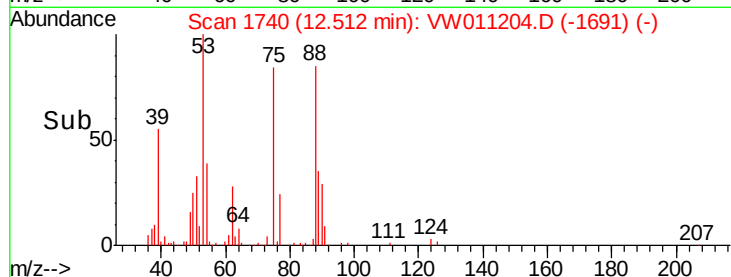
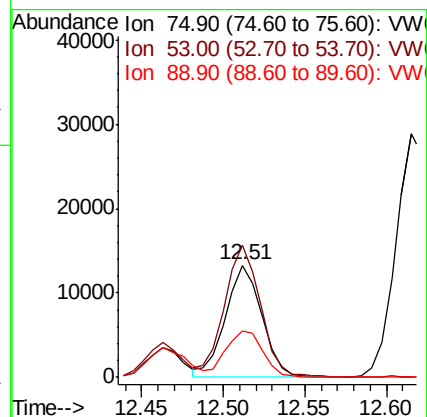
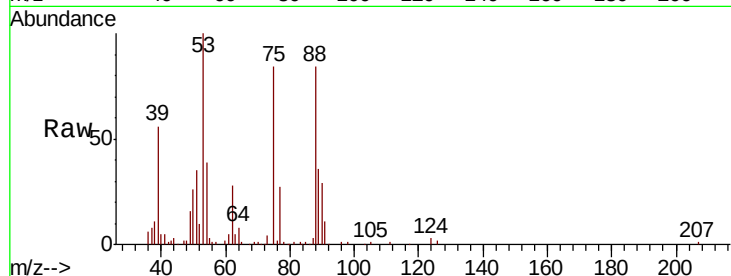
MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

Tot Ion: 75 Resp: 20722

Ion	Ratio	Lower	Upper
75	100		
53	116.0	89.8	134.6
89	42.5	34.3	51.5



#82

4-Chlorotoluene

Concen: 51.251 ug/l

RT: 12.99 min Scan# 1818

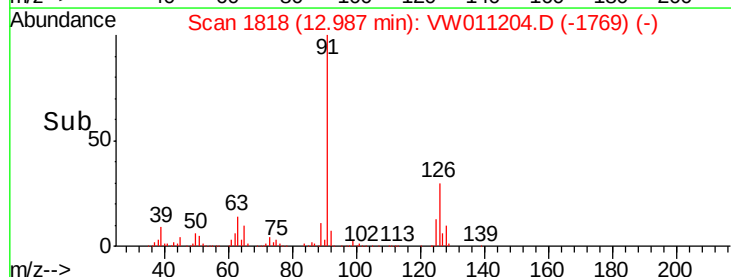
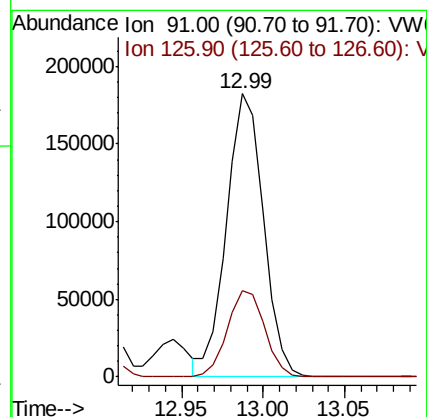
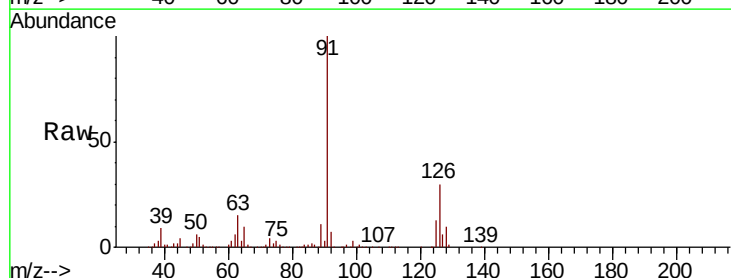
Delta R.T. 0.00 min

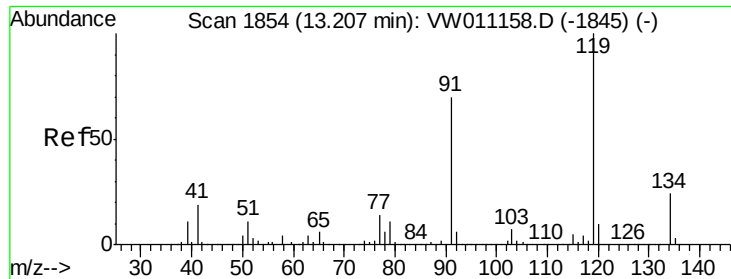
Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Tgt Ion: 91 Resp: 287591

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.1

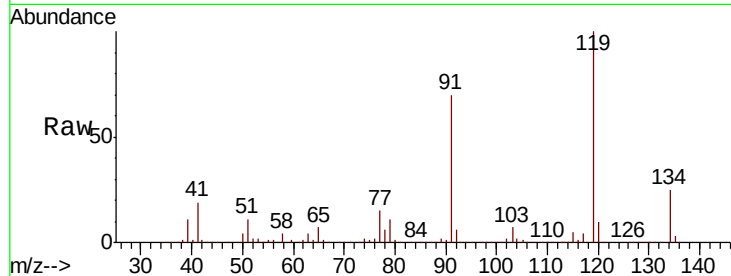




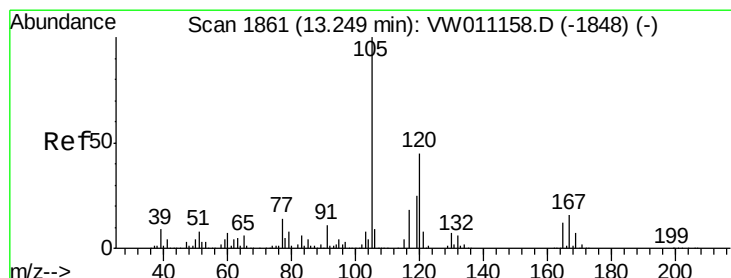
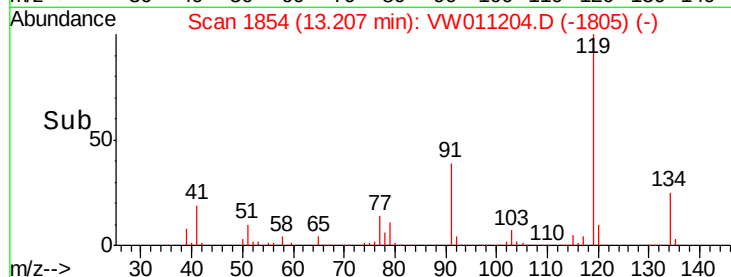
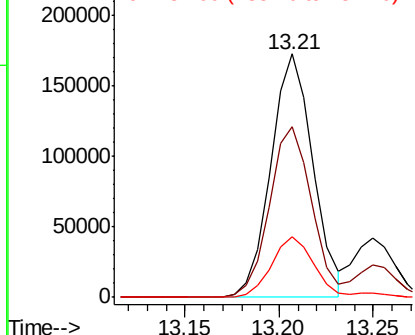
#83
 tert-Butylbenzene
 Concen: 49.649 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

Tot Ion:119 Resp: 267351
 Ion Ratio Lower Upper
 119 100
 91 70.0 35.4 106.3
 134 26.1 13.4 40.2

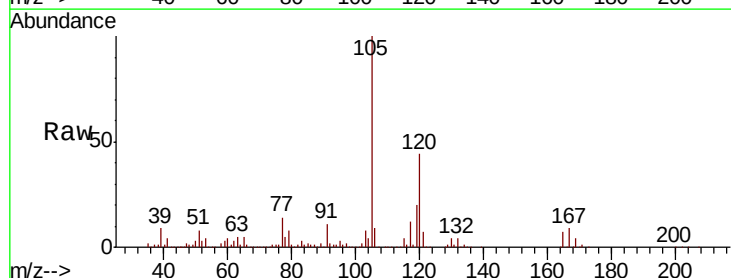


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

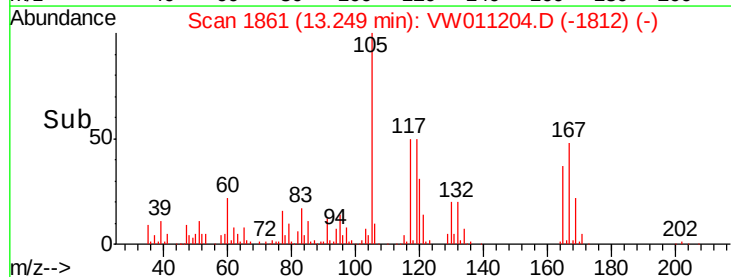
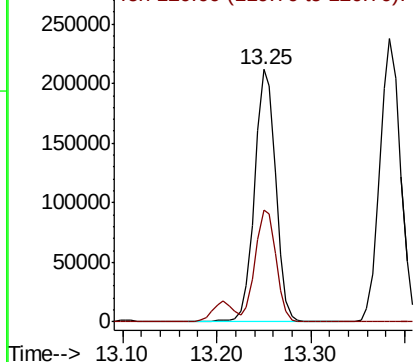


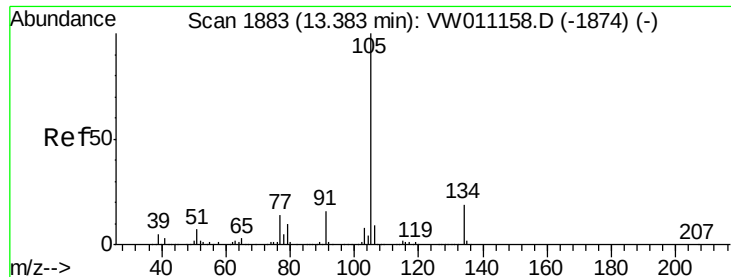
#84
 1,2,4-Trimethylbenzene
 Concen: 51.107 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion:105 Resp: 331344
 Ion Ratio Lower Upper
 105 100
 120 44.1 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: 46.600 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

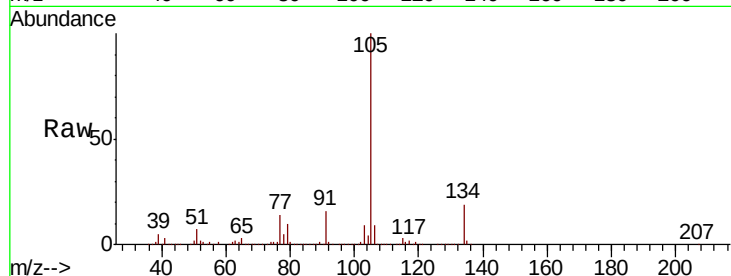
KY030LC068-SD-190709MSD

Tot Ion:105 Resp: 362082

Ion Ratio Lower Upper

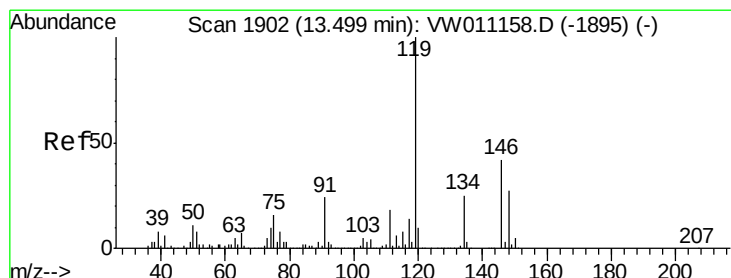
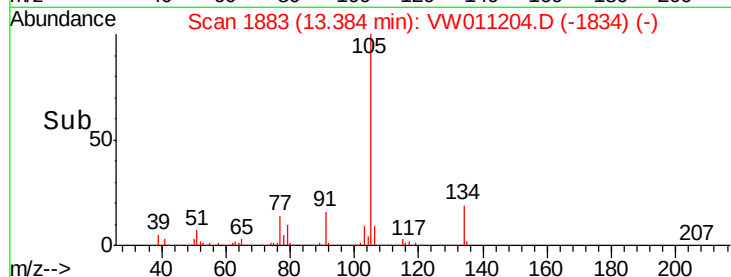
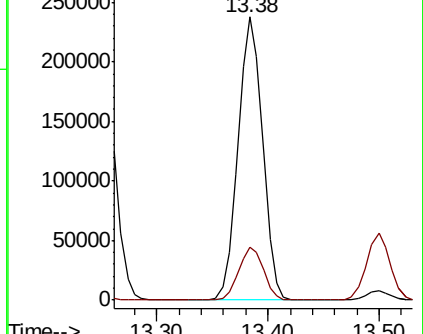
105 100

134 19.1 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.584 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

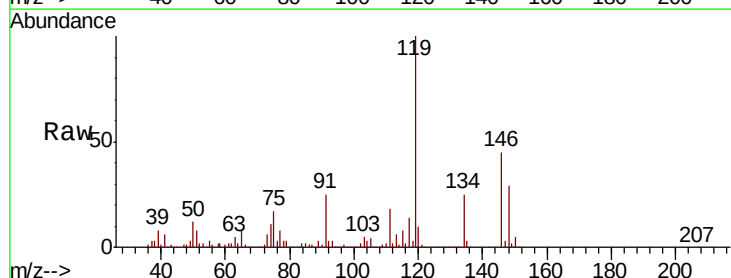
Tgt Ion:119 Resp: 324647

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

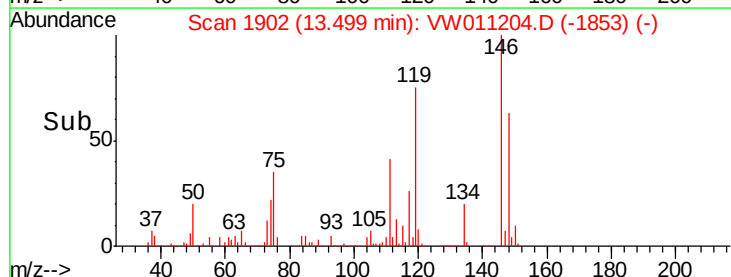
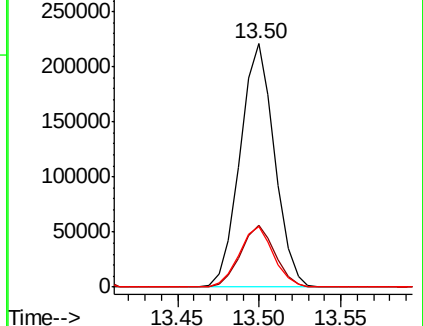
91 24.7 12.3 36.8

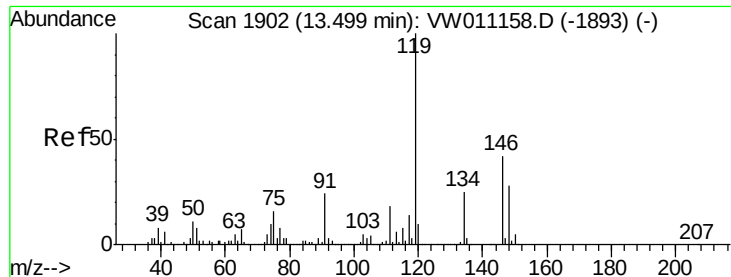


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.485 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MSD

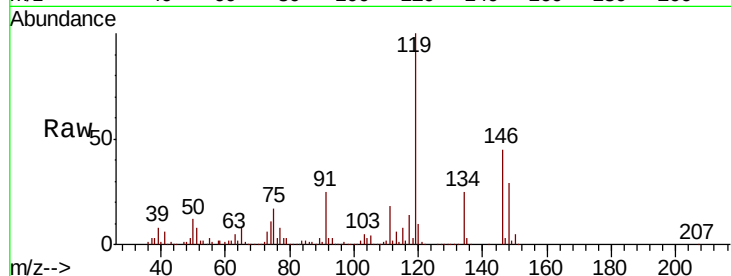
Tot Ion:146 Resp: 159106

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.1

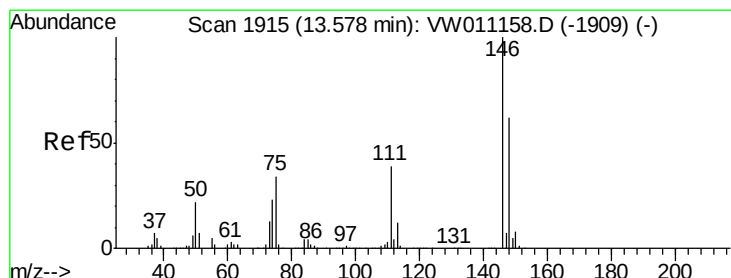
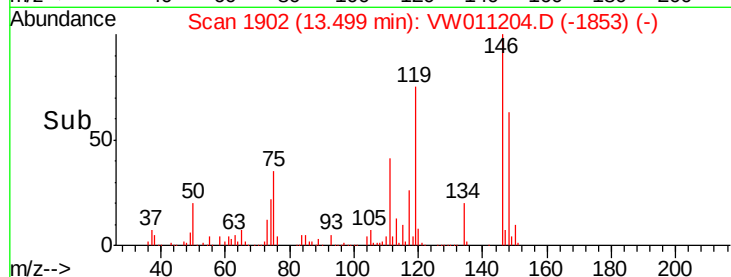
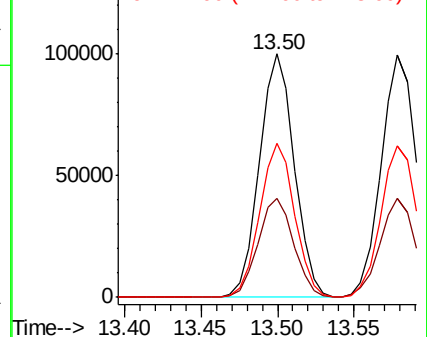
148 63.3 32.6 97.7



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: 48.184 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011204.D

Acq: 10 Jul 2019 22:17

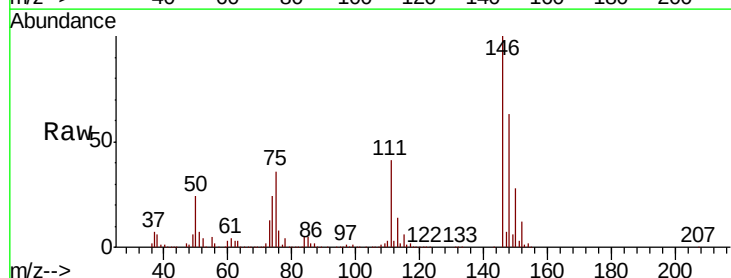
Tgt Ion:146 Resp: 159222

Ion Ratio Lower Upper

146 100

111 40.9 19.9 59.7

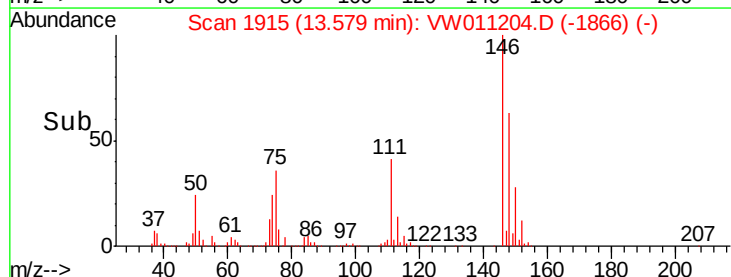
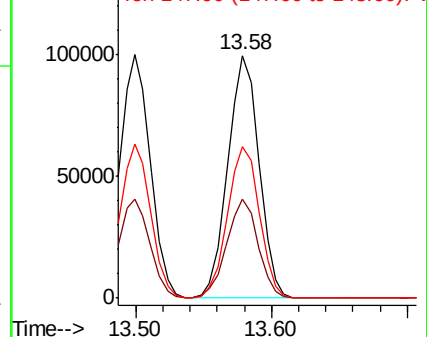
148 63.7 31.5 94.5

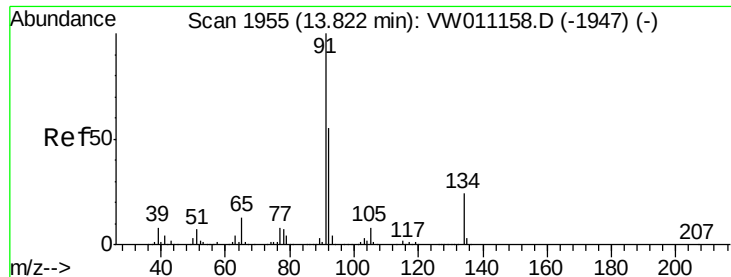


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

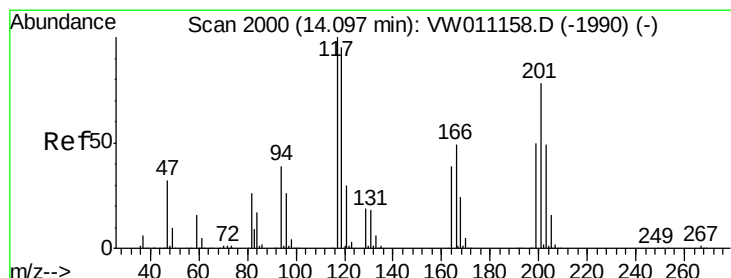
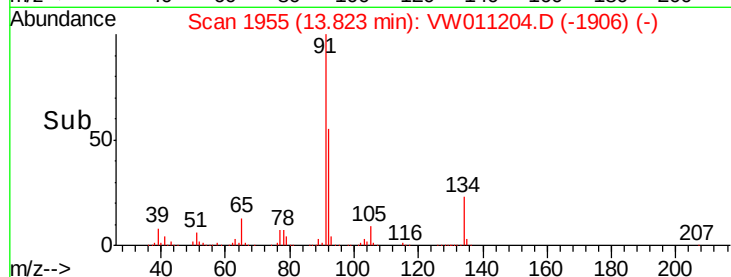
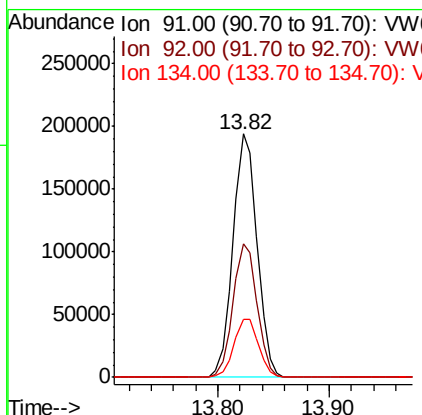
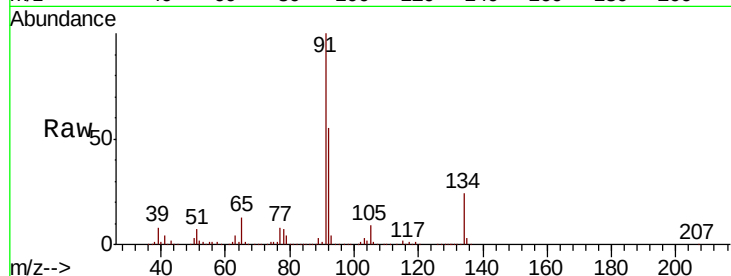




#89
n-Butylbenzene
Concen: 41.831 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

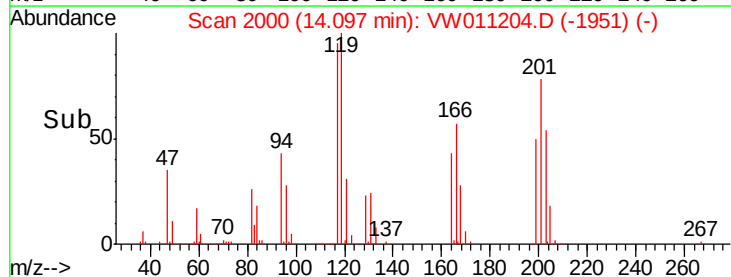
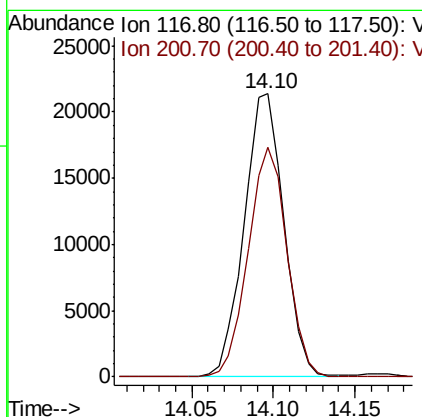
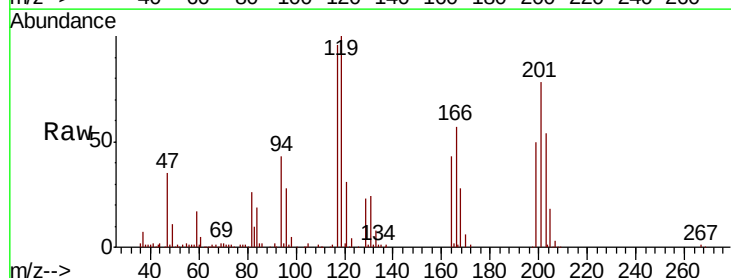
Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

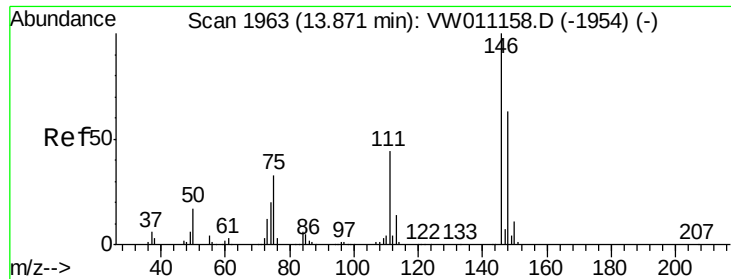
Tot Ion: 91 Resp: 290816
Ion Ratio Lower Upper
91 100
92 54.7 26.9 80.7
134 24.5 12.2 36.4



#90
Hexachloroethane
Concen: 28.446 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion: 117 Resp: 36226
Ion Ratio Lower Upper
117 100
201 79.0 38.3 114.8

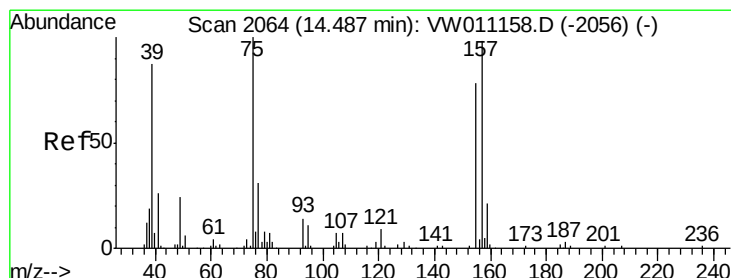
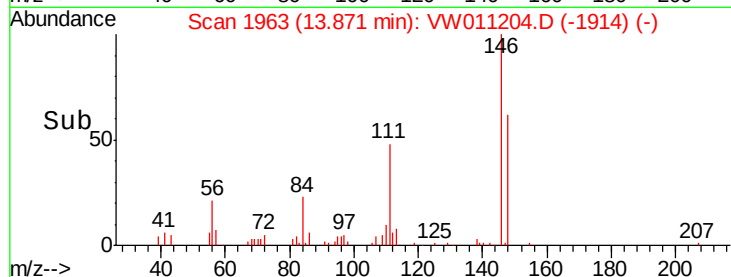
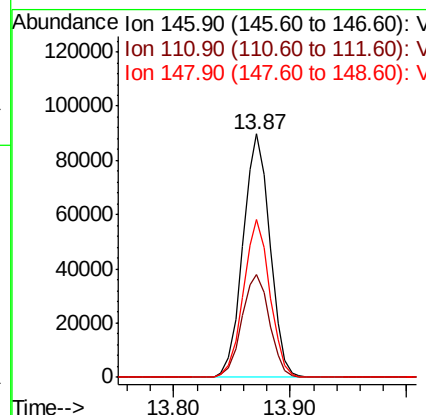
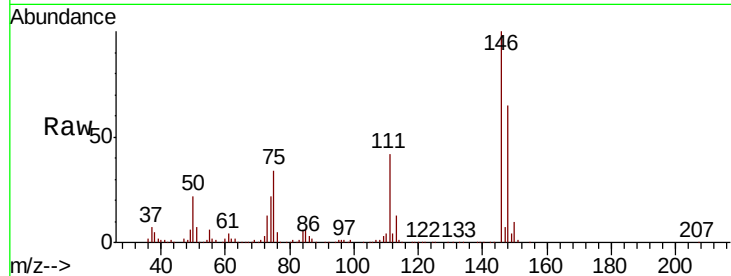




#91
 1,2-Dichlorobenzene
 Concen: 48.748 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

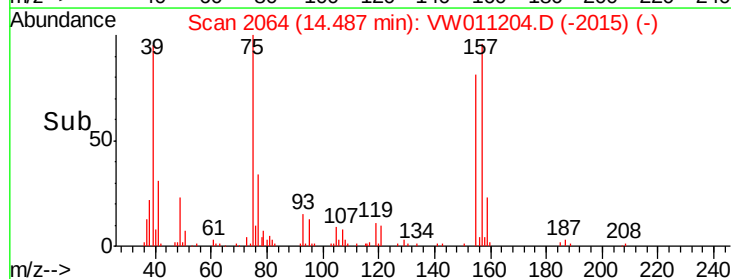
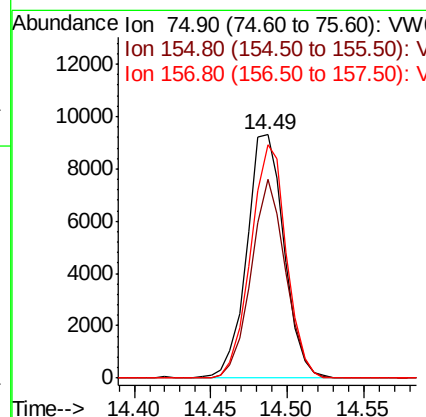
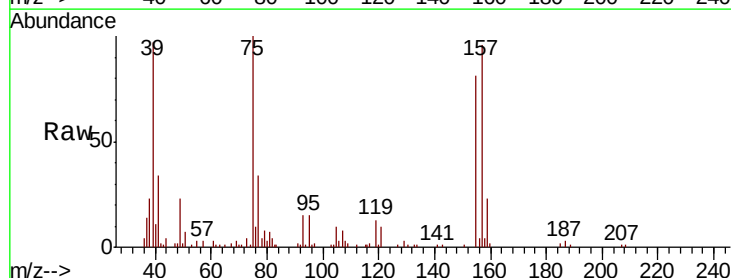
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

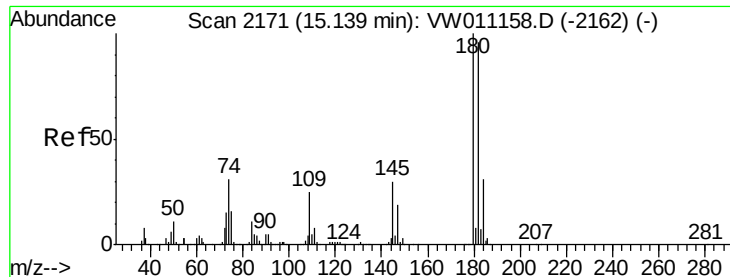
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	63.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.013 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	37.1	111.3
157	91.5	48.5	145.6

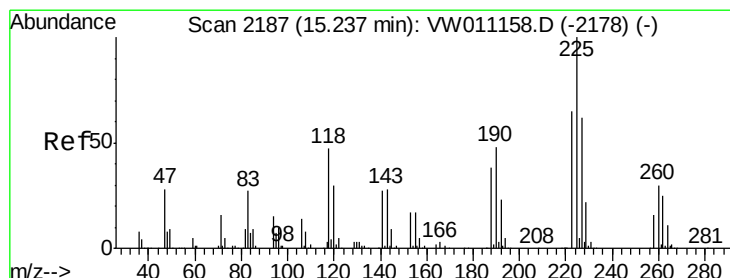
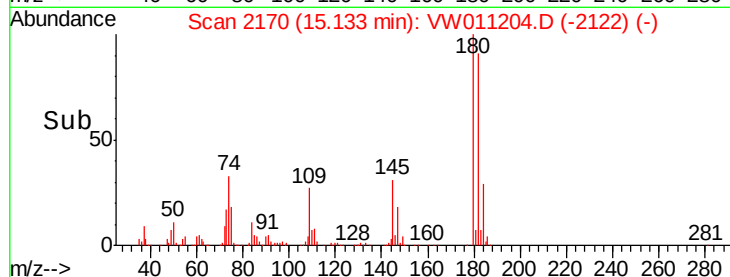
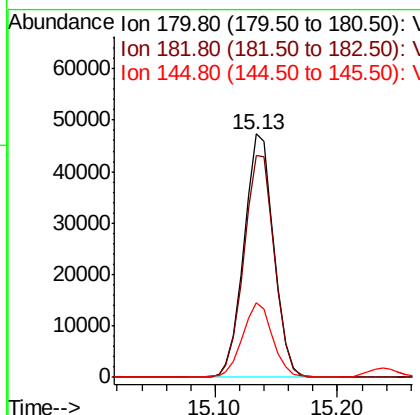
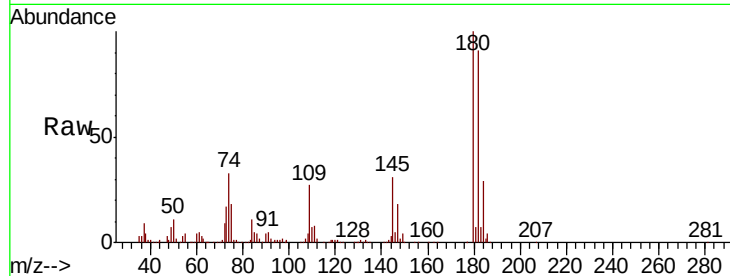




#93
 1,2,4-Trichlorobenzene
 Concen: 38.905 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

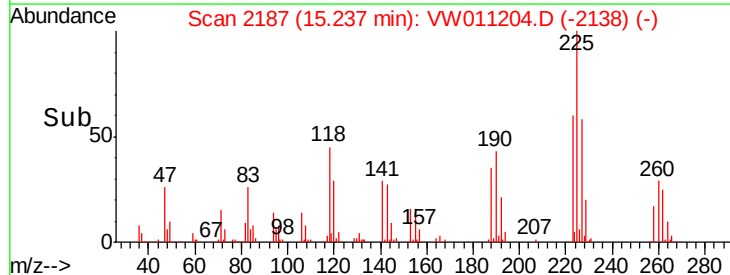
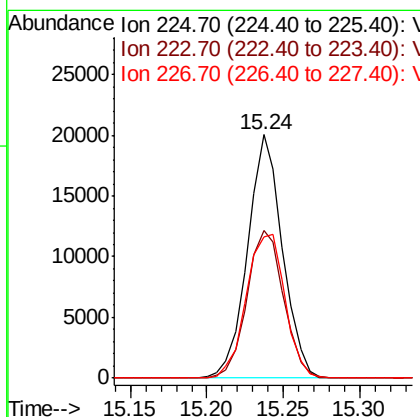
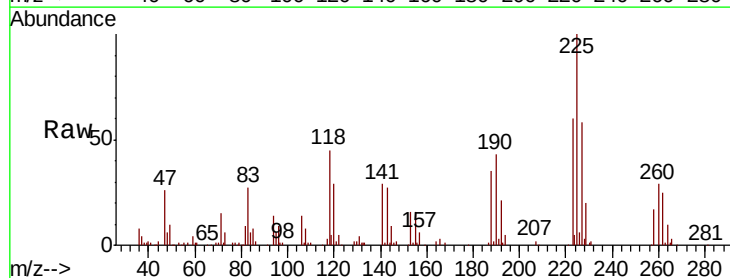
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

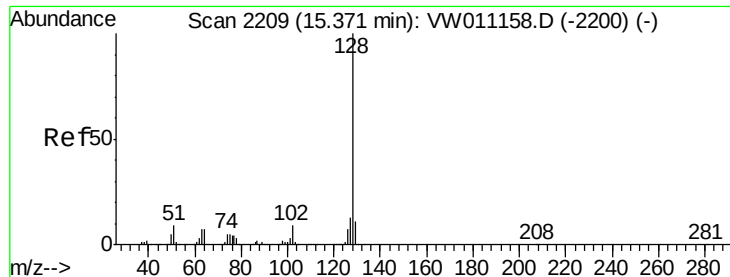
Tot Ion:180 Resp: 79776
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.3 144.9
 145 31.3 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 25.157 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011204.D
 Acq: 10 Jul 2019 22:17

Tgt Ion:225 Resp: 31670
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.6 95.0
 227 65.9 32.0 96.0

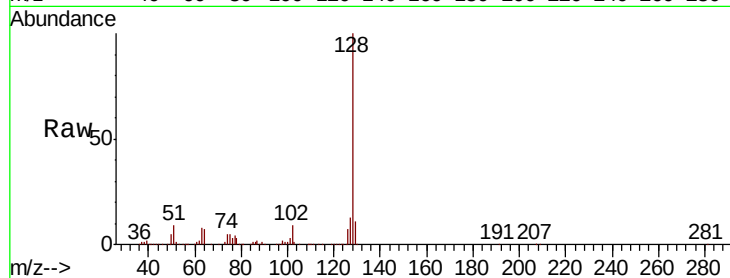




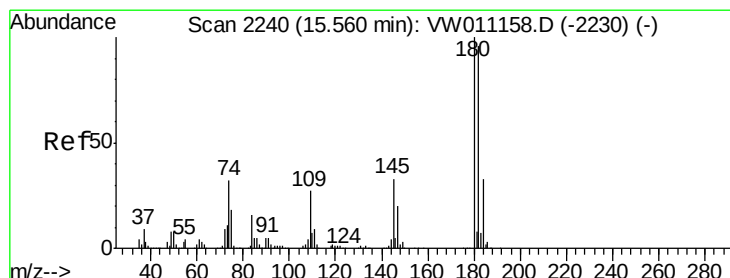
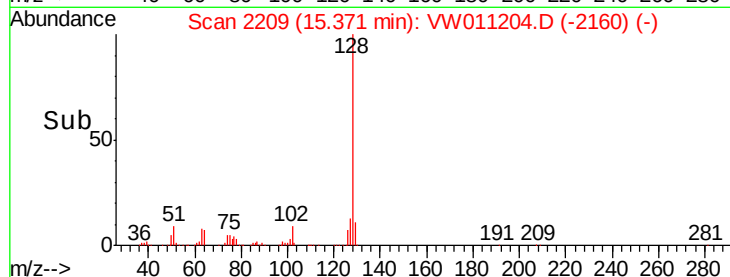
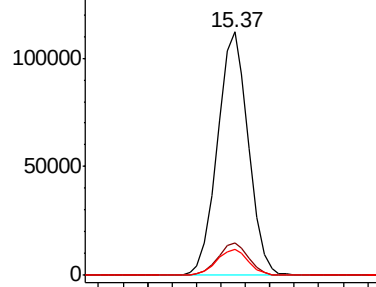
#95
Naphthalene
Concen: 49.920 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MSD

Tot Ion:128 Resp: 196158
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.7 13.1

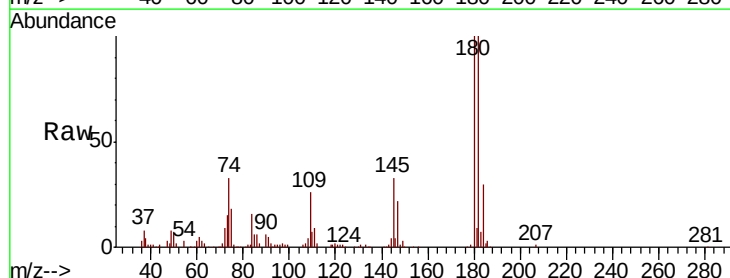


Abundance Ion 128.00 (127.70 to 128.70): V
150000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 38.037 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011204.D
Acq: 10 Jul 2019 22:17

Tgt Ion:180 Resp: 68836
Ion Ratio Lower Upper
180 100
182 97.5 47.6 142.8
145 33.4 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
50000 Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

