

Data File : VW012122.D
Acq On : 22 Aug 2019 20:09
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 23 08:03:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	133918	57.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.30%	
35) Dibromofluoromethane	7.88	113	107146	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
50) Toluene-d8	10.32	98	426461	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	
62) 4-Bromofluorobenzene	12.62	95	152977	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55652	48.930	ug/l	100
3) Chloromethane	2.21	50	105262	53.372	ug/l	98
4) Vinyl Chloride	2.36	62	133372	56.170	ug/l	98
5) Bromomethane	2.74	94	66468	50.574	ug/l	99
6) Chloroethane	2.91	64	79203	58.396	ug/l	97
7) Trichlorofluoromethane	3.24	101	64511	60.792	ug/l	96
8) Diethyl Ether	3.68	74	70580	58.662	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120914	60.066	ug/l	98
10) Methyl Iodide	4.28	142	163169	57.358	ug/l	99
11) Tert butyl alcohol	5.17	59	54148	317.939	ug/l	99
12) 1,1-Dichloroethene	4.04	96	120206	56.556	ug/l	99
13) Acrolein	3.89	56	36663	218.040	ug/l	100
14) Allyl chloride	4.67	41	259828	57.477	ug/l	99
15) Acrylonitrile	5.36	53	195588	325.651	ug/l	99
16) Acetone	4.12	43	185944	249.442	ug/l	100
17) Carbon Disulfide	4.38	76	336134	50.529	ug/l	100
18) Methyl Acetate	4.67	43	107115	63.964	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	210512	62.415	ug/l	94
20) Methylene Chloride	4.92	84	136385	53.050	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	129125	56.351	ug/l	98
22) Diisopropyl ether	6.31	45	509280	59.754	ug/l	100
23) Vinyl Acetate	6.25	43	1640011	306.233	ug/l	100
24) 1,1-Dichloroethane	6.21	63	266100	58.296	ug/l	99
25) 2-Butanone	7.17	43	281932	289.034	ug/l	99
26) 2,2-Dichloropropane	7.16	77	140923	50.201	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	143820	57.028	ug/l	99
28) Bromochloromethane	7.51	49	118741	58.607	ug/l #	98
29) Tetrahydrofuran	7.52	42	184659	331.189	ug/l	99
30) Chloroform	7.68	83	243917	57.921	ug/l	98
31) Cyclohexane	7.95	56	239274	54.608	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	190741	59.475	ug/l	99
36) 1,1-Dichloropropene	8.08	75	198668	57.867	ug/l	99
37) Ethyl Acetate	7.25	43	124727	63.147	ug/l	98
38) Carbon Tetrachloride	8.07	117	170768	58.104	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	220903	58.435	ug/l	98
40) Benzene	8.32	78	555272	57.742	ug/l	99
41) Methacrylonitrile	7.48	41	75765	64.169	ug/l	98
42) 1,2-Dichloroethane	8.40	62	180145	59.833	ug/l	100
43) Isopropyl Acetate	8.42	43	232284	63.945	ug/l	98
44) Trichloroethene	9.09	130	133153	57.610	ug/l	98
45) 1,2-Dichloropropane	9.37	63	151542	58.896	ug/l	96
46) Dibromomethane	9.46	93	69406	59.100	ug/l	99
47) Bromodichloromethane	9.65	83	180889	58.719	ug/l	97
48) Methyl methacrylate	9.43	41	113806	65.221	ug/l	98
49) 1,4-Dioxane	9.44	88	25027	1471.795	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	623316	329.892	ug/l	100
52) Toluene	10.39	92	340608	58.651	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	190588	59.226	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	222083	58.043	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100568	60.355	ug/l	98
56) Ethyl methacrylate	10.65	69	155690	63.852	ug/l	99
57) 1,3-Dichloropropane	10.93	76	189726	60.184	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	414914	374.780	ug/l	100
59) 2-Hexanone	10.97	43	431667	323.569	ug/l	99
60) Dibromochloromethane	11.13	129	111933	60.517	ug/l	99
61) 1,2-Dibromoethane	11.24	107	95741	60.716	ug/l	100
64) Tetrachloroethene	10.86	164	111200	58.393	ug/l	99
65) Chlorobenzene	11.66	112	342139	58.185	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	121221	59.184	ug/l	100
67) Ethyl Benzene	11.73	91	660655	58.992	ug/l	99
68) m/p-Xylenes	11.84	106	474750	116.568	ug/l	99
69) o-Xylene	12.16	106	222421	58.769	ug/l	99
70) Styrene	12.18	104	391136	59.773	ug/l	100
71) Bromoform	12.35	173	64668	61.925	ug/l #	98
73) Isopropylbenzene	12.46	105	628319	58.596	ug/l	99
74) N-amyl acetate	12.27	43	217299	64.728	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	125746	62.344	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	165568	108.863	ug/l #	100
77) Bromobenzene	12.74	156	137256	57.911	ug/l	99
78) n-propylbenzene	12.80	91	768636	58.900	ug/l	99
79) 2-Chlorotoluene	12.89	91	436134	58.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	529161	58.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39800	60.311	ug/l	97
82) 4-Chlorotoluene	12.99	91	445995	56.541	ug/l	99
83) tert-Butylbenzene	13.21	119	450466	59.929	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	532608	58.821	ug/l	100
85) sec-Butylbenzene	13.38	105	644926	60.132	ug/l	100
86) p-Isopropyltoluene	13.50	119	578540	59.452	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	267871	57.641	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	261159	56.492	ug/l	99
89) n-Butylbenzene	13.82	91	578223	59.542	ug/l	99
90) Hexachloroethane	14.10	117	100810	58.585	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	242980	59.115	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22260	64.719	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082219\
Quantitation Report (Not Reviewed)

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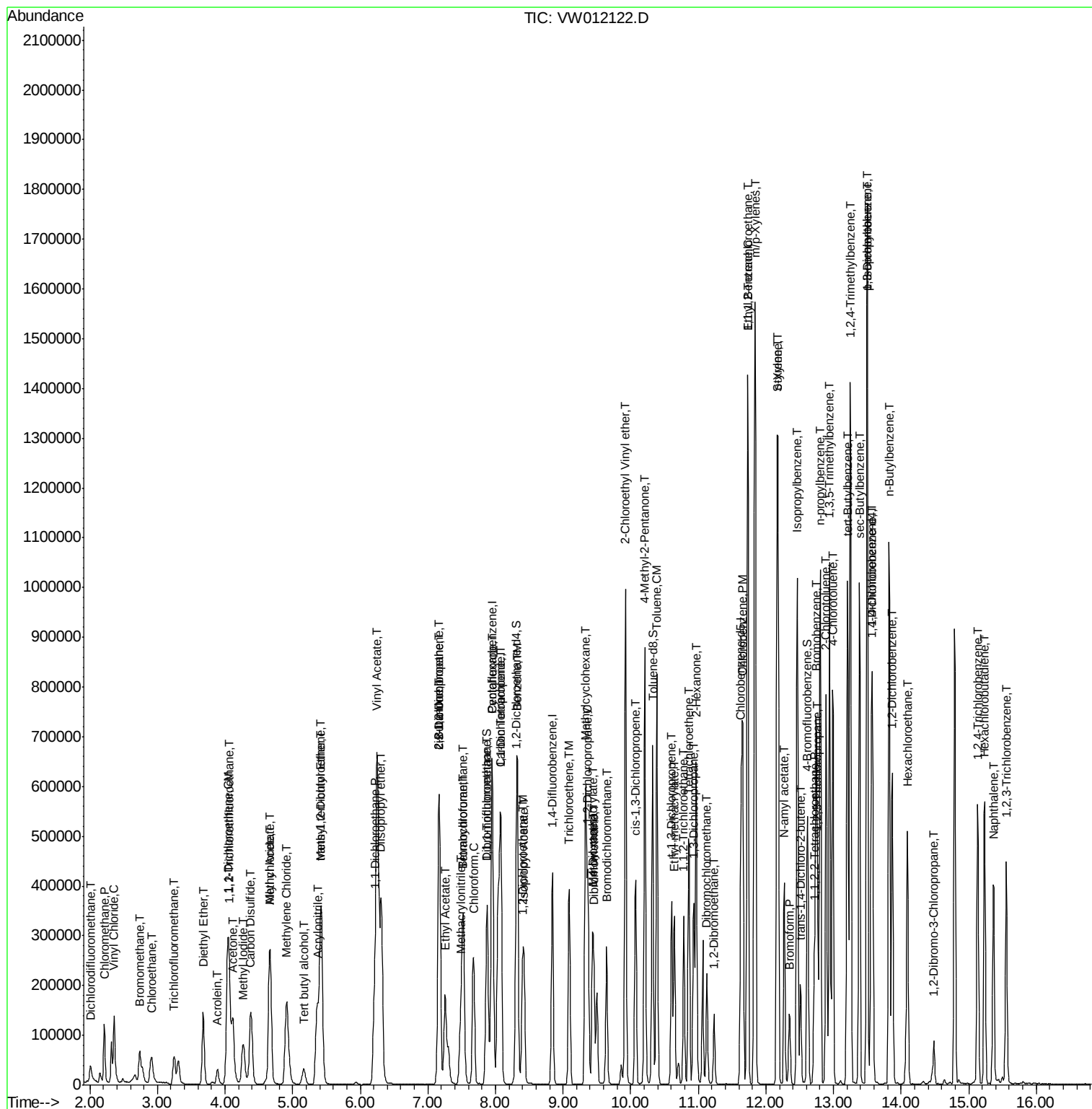
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	173139	59.769	ug/l	100
94) Hexachlorobutadiene	15.24	225	112048	62.025	ug/l	98
95) Naphthalene	15.37	128	336942	58.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	151742	59.759	ug/l	99

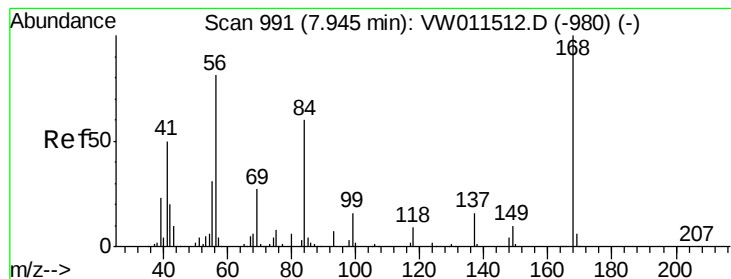
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

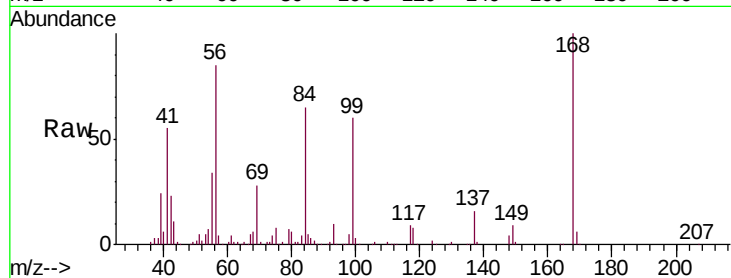
VSTDCCC050EC

Tgt Ion:168 Resp: 204082

Ion Ratio Lower Upper

168 100

99 59.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

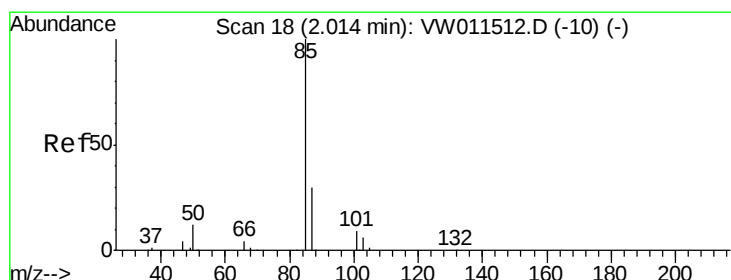
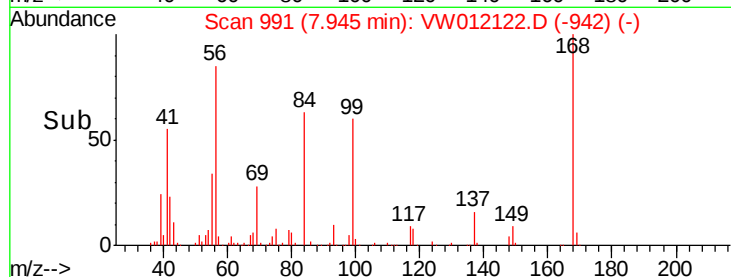
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.930 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012122.D

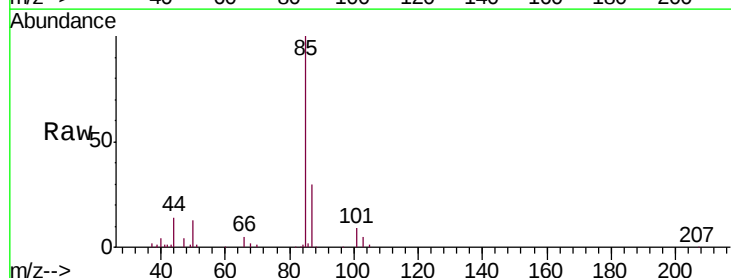
Acq: 22 Aug 2019 20:09

Tgt Ion: 85 Resp: 55652

Ion Ratio Lower Upper

85 100

87 30.5 15.2 45.6



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

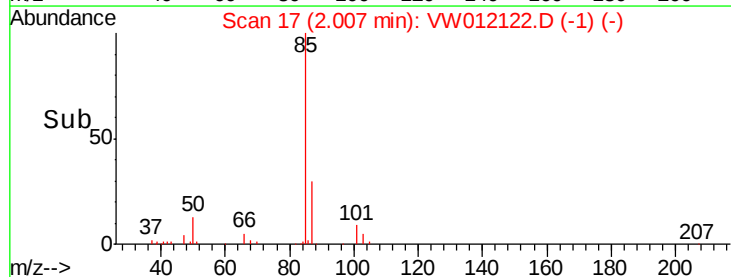
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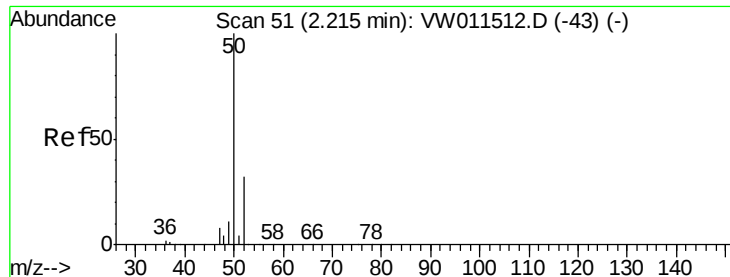
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 53.372 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

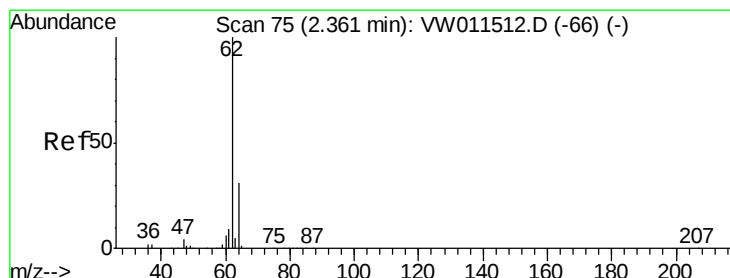
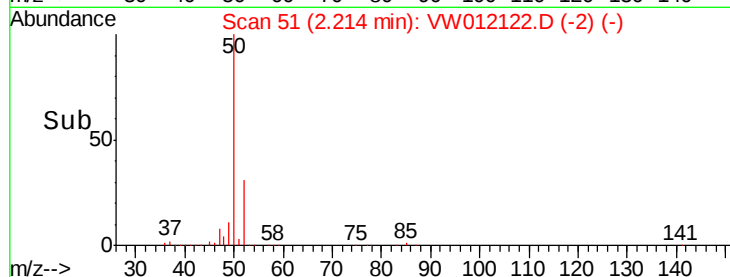
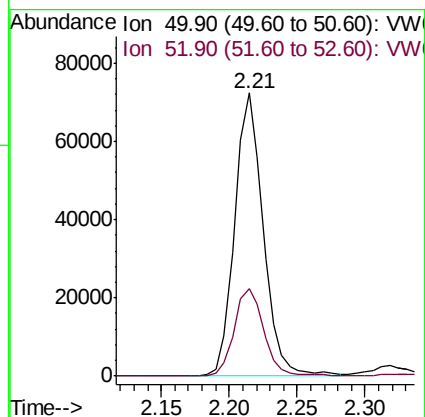
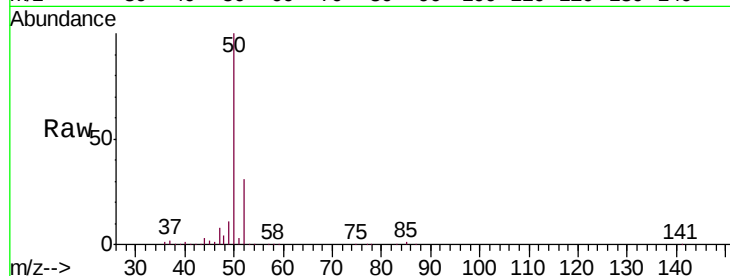
VSTDCCC050EC

Tgt Ion: 50 Resp: 105262

Ion Ratio Lower Upper

50 100

52 31.0 25.4 38.2



#4

Vinyl Chloride

Concen: 56.170 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012122.D

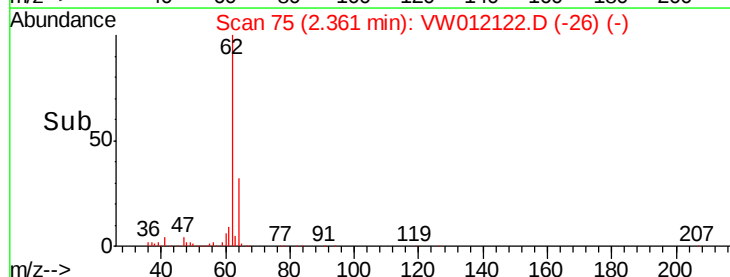
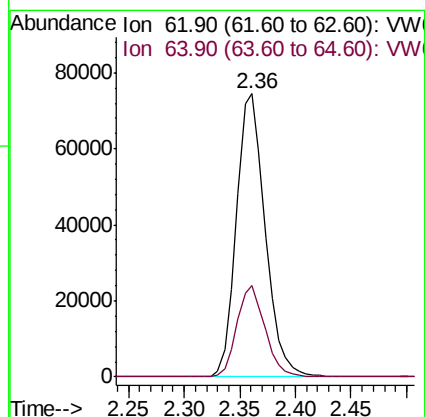
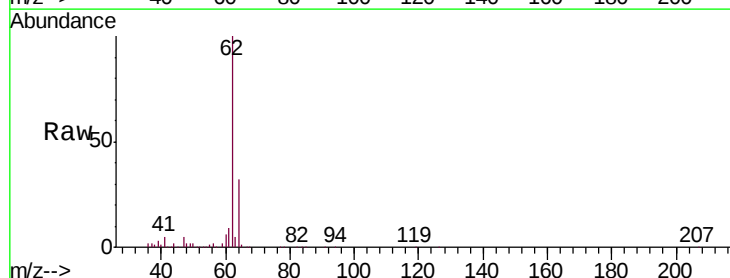
Acq: 22 Aug 2019 20:09

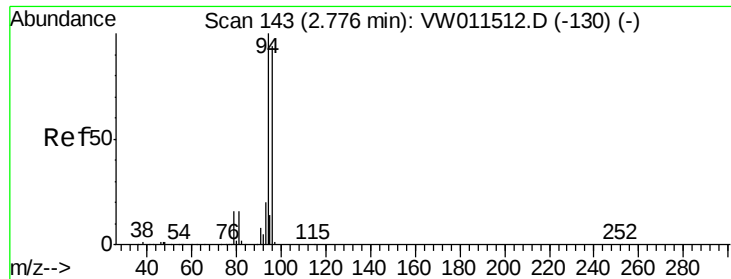
Tgt Ion: 62 Resp: 133372

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 50.574 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.04 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

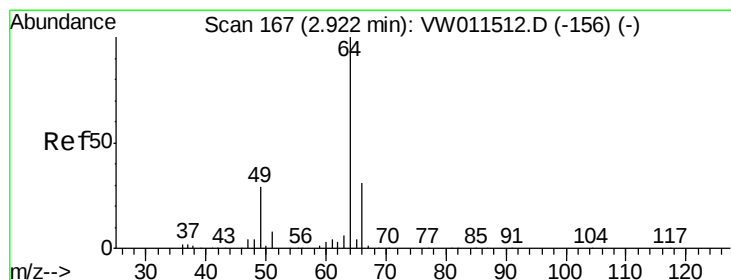
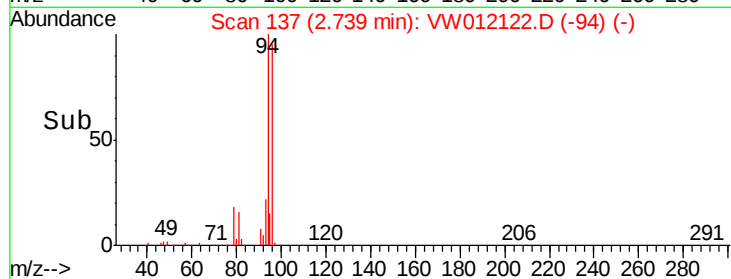
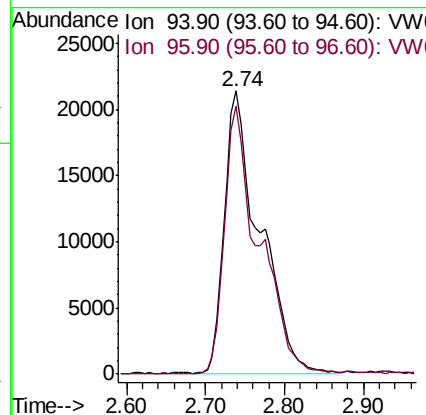
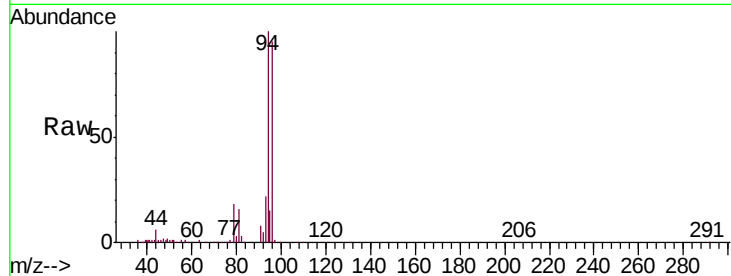
VSTDCCC050EC

Tgt Ion: 94 Resp: 66468

Ion Ratio Lower Upper

94 100

96 95.1 75.0 112.6



#6

Chloroethane

Concen: 58.396 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012122.D

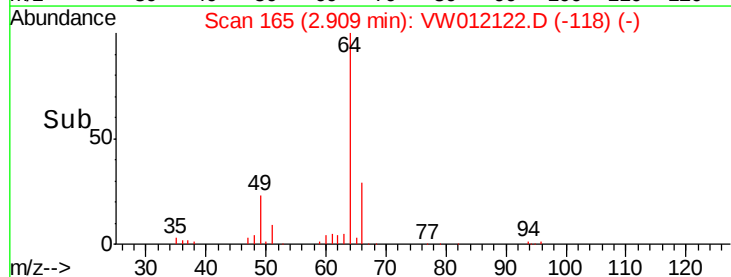
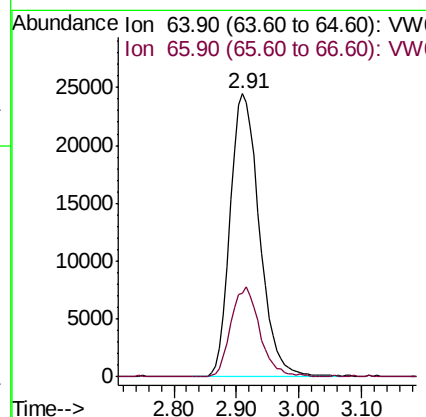
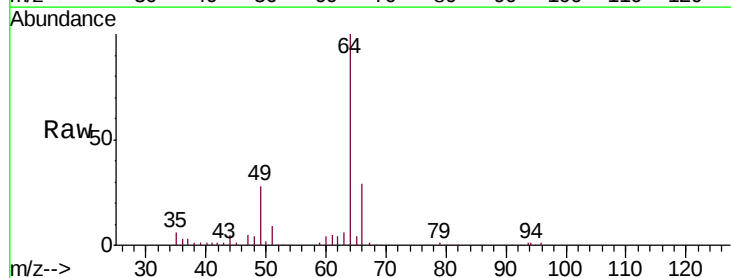
Acq: 22 Aug 2019 20:09

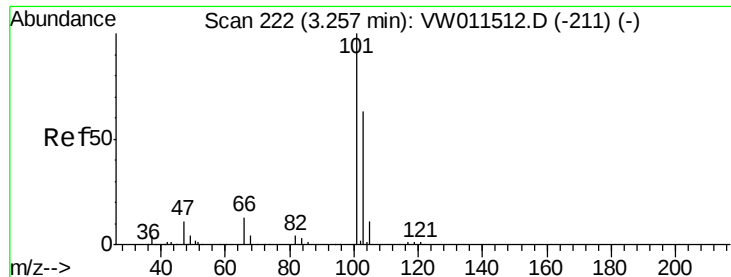
Tgt Ion: 64 Resp: 79203

Ion Ratio Lower Upper

64 100

66 29.2 24.6 36.8



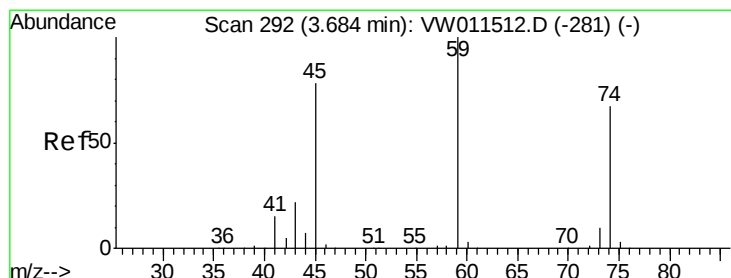
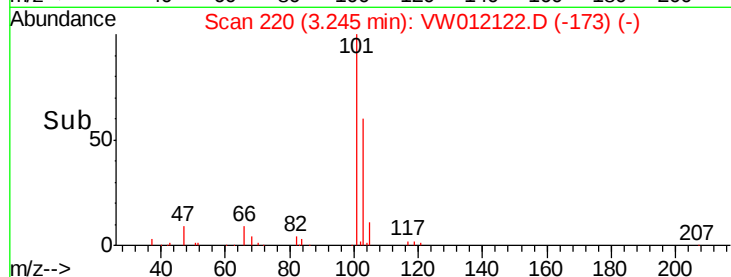
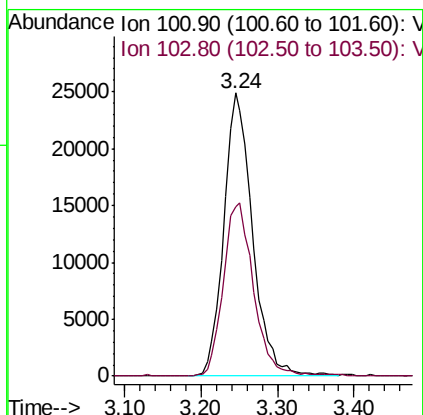
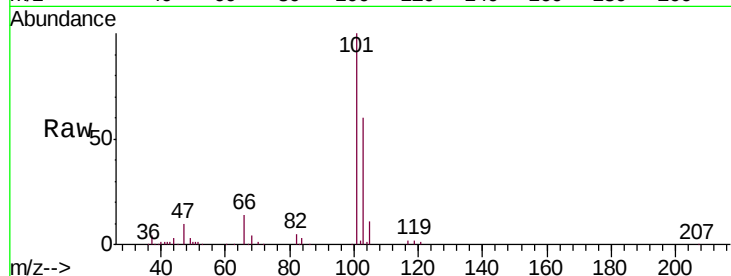


#7

Trichlorofluoromethane
 Concen: 60.792 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
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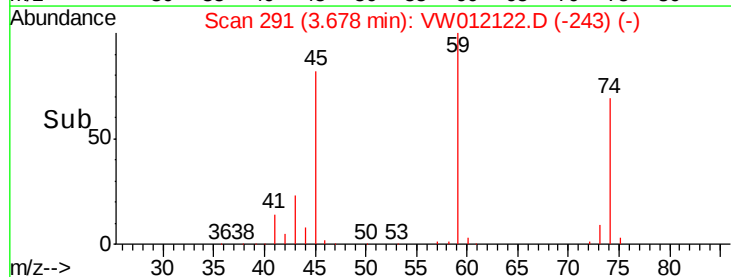
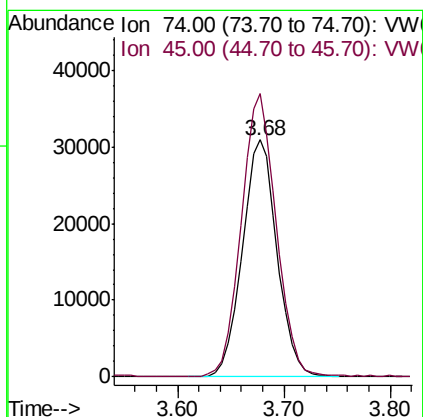
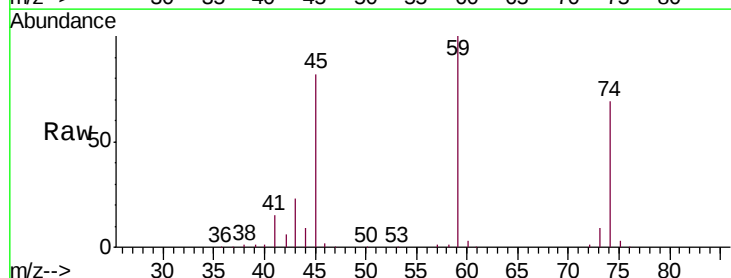
Tgt Ion:101 Resp: 64511
 Ion Ratio Lower Upper
 101 100
 103 60.0 50.2 75.4

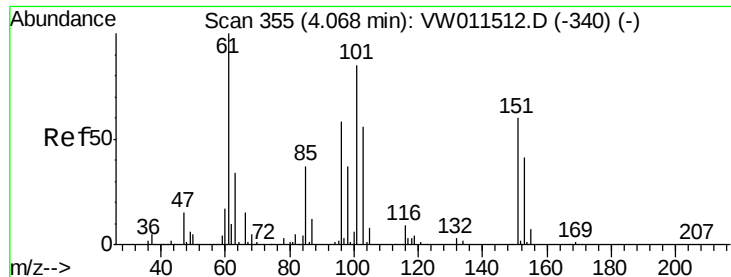


#8

Diethyl Ether
 Concen: 58.662 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 74 Resp: 70580
 Ion Ratio Lower Upper
 74 100
 45 119.8 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.066 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012122.D

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MSVOA_W

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VSTDCCC050EC

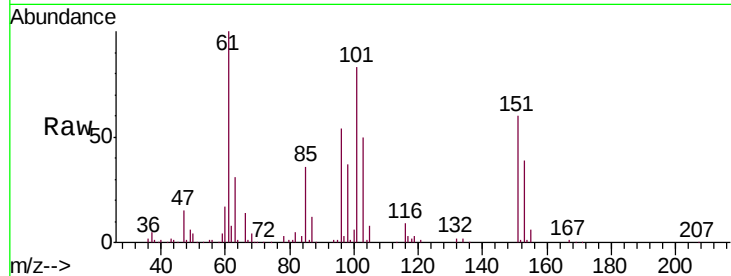
Tgt Ion:101 Resp: 120914

Ion Ratio Lower Upper

101 100

85 44.4 36.6 54.8

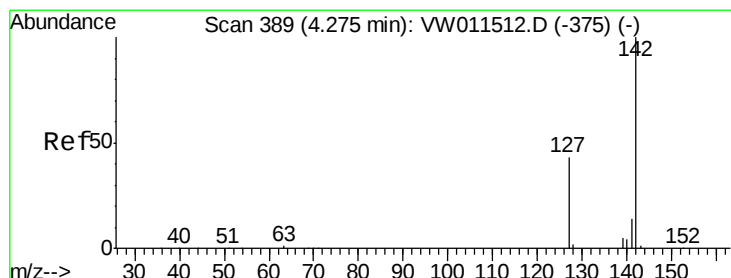
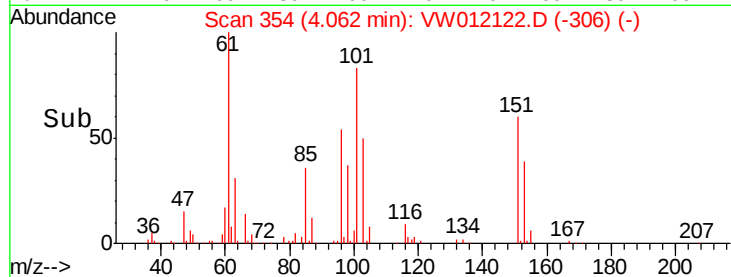
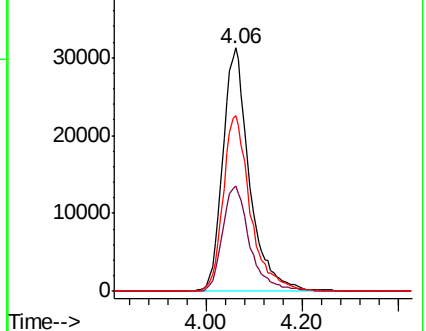
151 73.6 60.2 90.2



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: 57.358 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

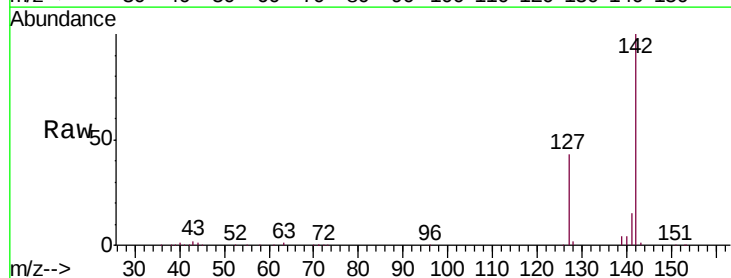
Tgt Ion:142 Resp: 163169

Ion Ratio Lower Upper

142 100

127 44.4 35.0 52.6

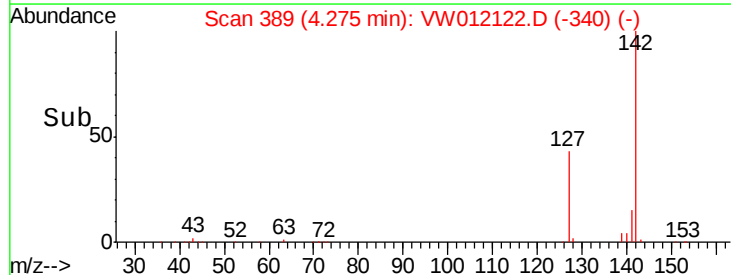
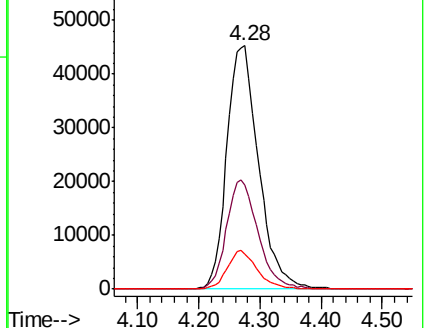
141 14.9 11.9 17.9

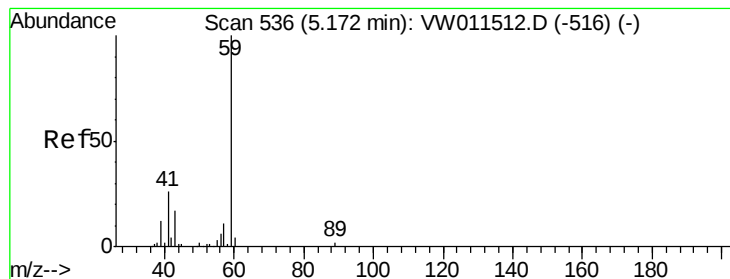


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



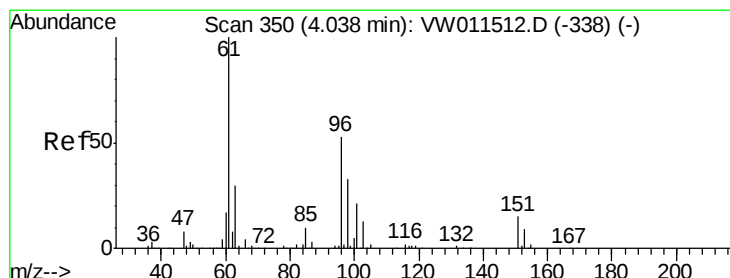
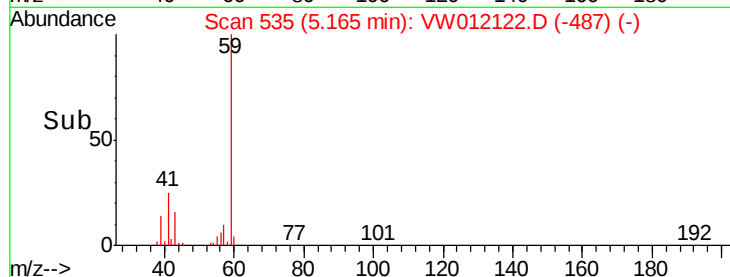
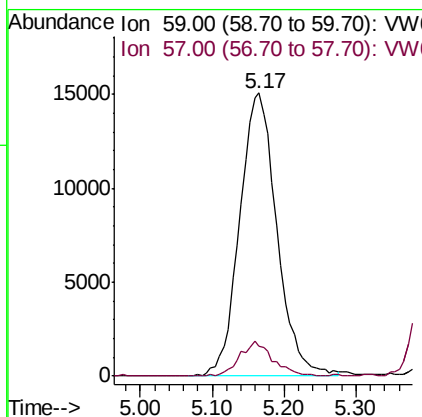
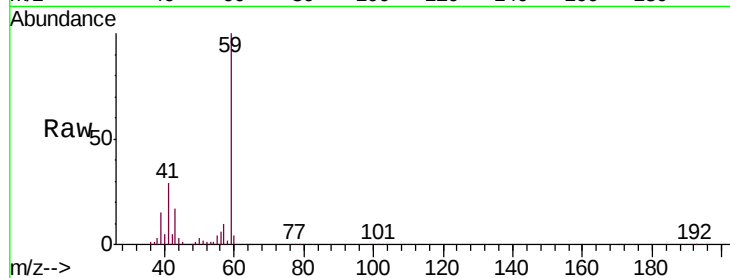


#11

Tert butyl alcohol
 Concen: 317.939 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

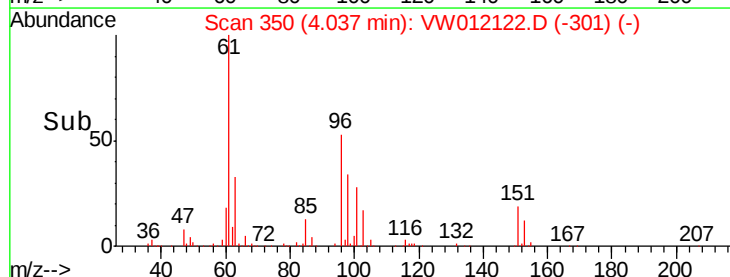
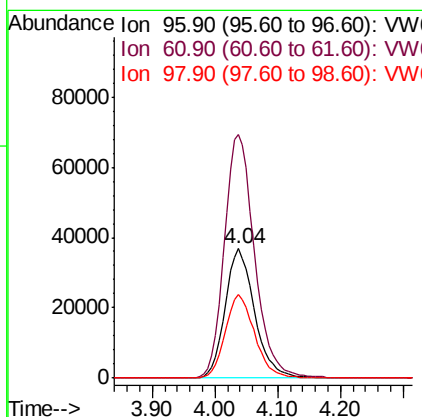
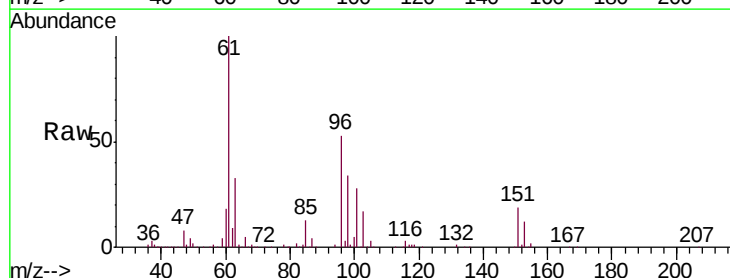
Tgt Ion: 59 Resp: 54148
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.5 12.7

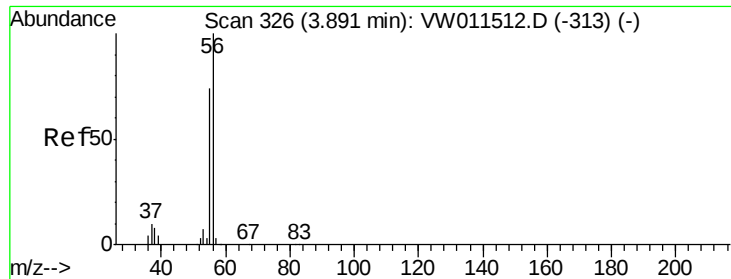


#12

1,1-Dichloroethene
 Concen: 56.556 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 96 Resp: 120206
 Ion Ratio Lower Upper
 96 100
 61 188.0 149.9 224.9
 98 64.8 49.1 73.7

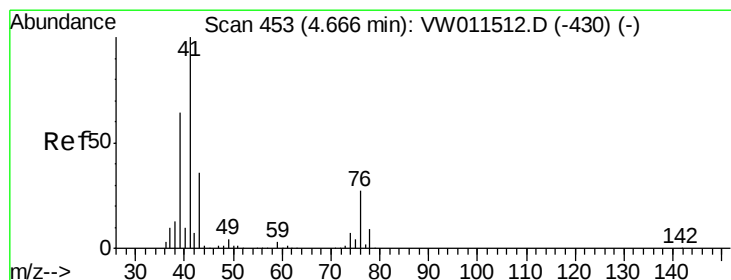
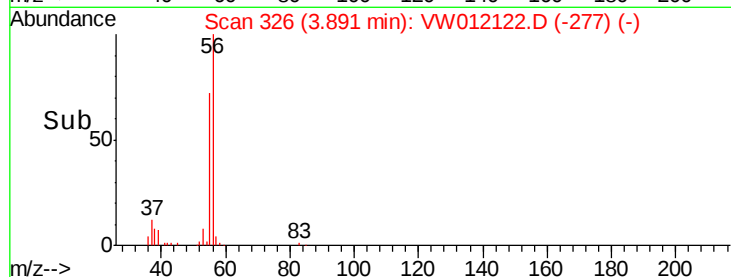
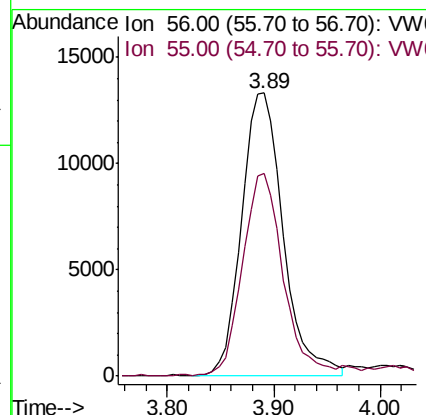
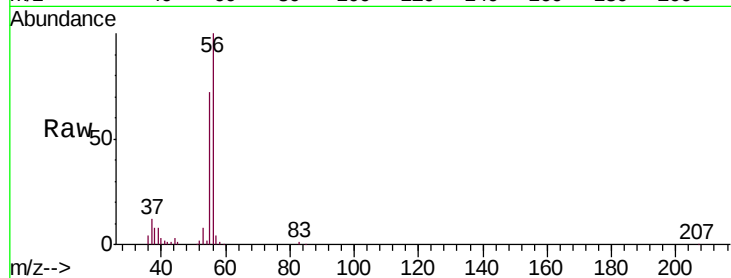




#13
 Acrolein
 Concen: 218.040 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

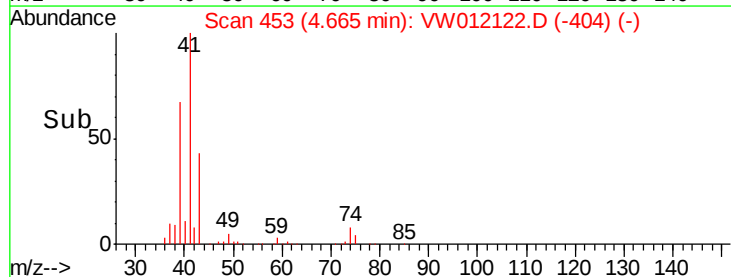
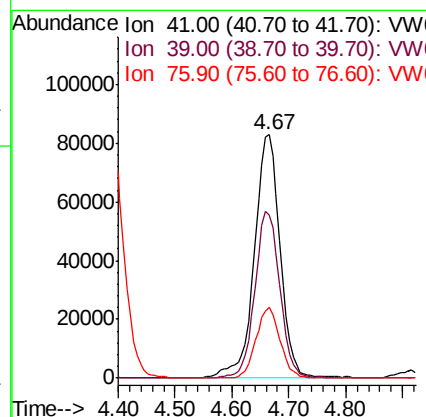
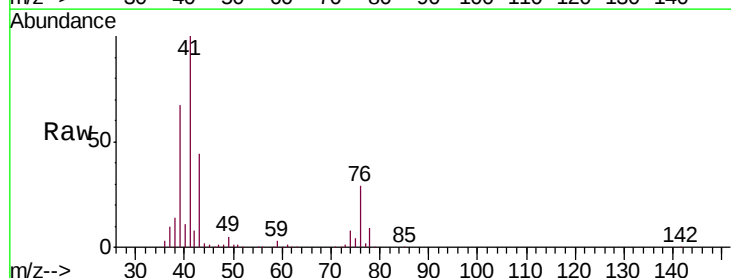
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

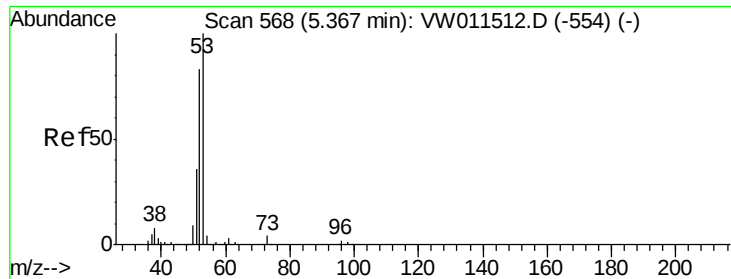
Tgt Ion: 56 Resp: 36663
 Ion Ratio Lower Upper
 56 100
 55 70.0 56.0 84.0



#14
 Allyl chloride
 Concen: 57.477 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 41 Resp: 259828
 Ion Ratio Lower Upper
 41 100
 39 66.9 52.6 78.8
 76 27.2 22.0 33.0





#15

Acrylonitrile

Concen: 325.651 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

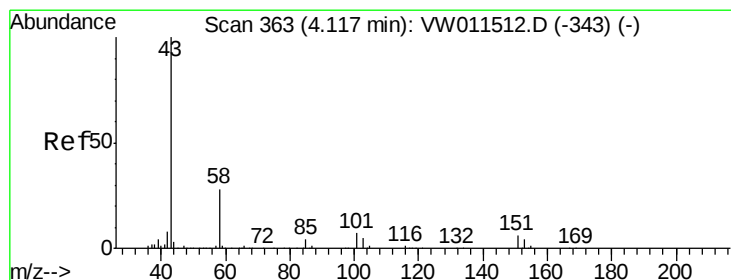
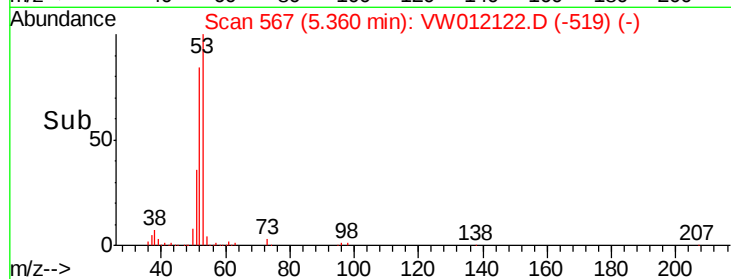
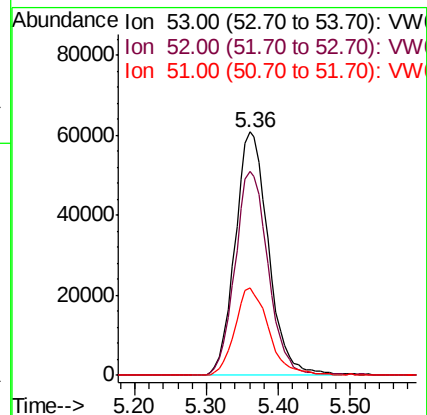
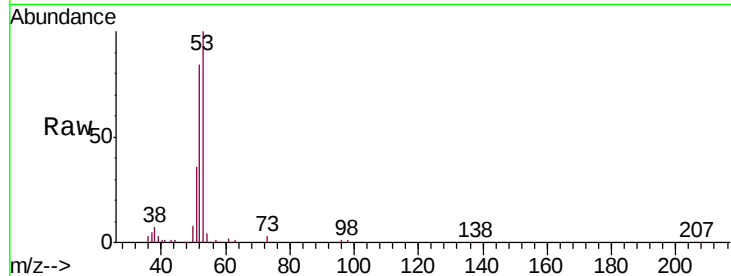
Tgt Ion: 53 Resp: 195588

Ion Ratio Lower Upper

53 100

52 83.4 67.2 100.8

51 36.6 30.0 45.0



#16

Acetone

Concen: 249.442 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW012122.D

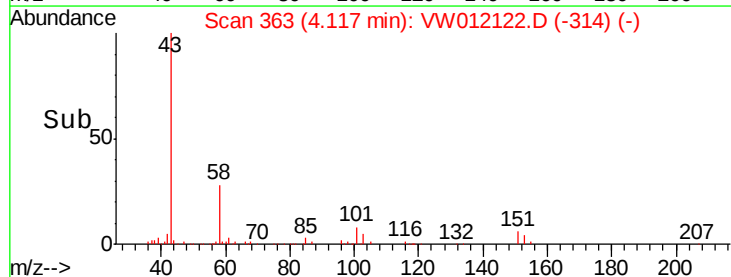
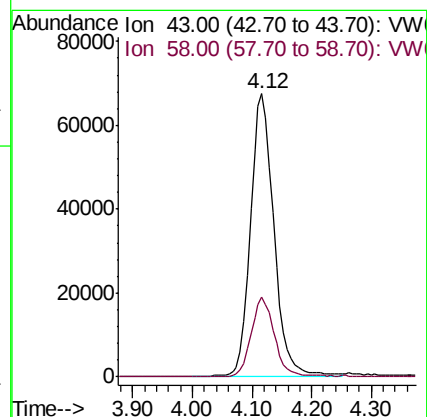
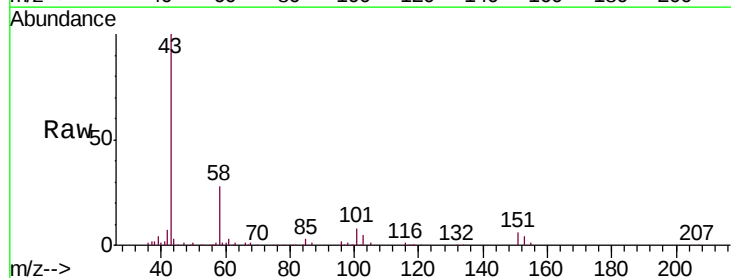
Acq: 22 Aug 2019 20:09

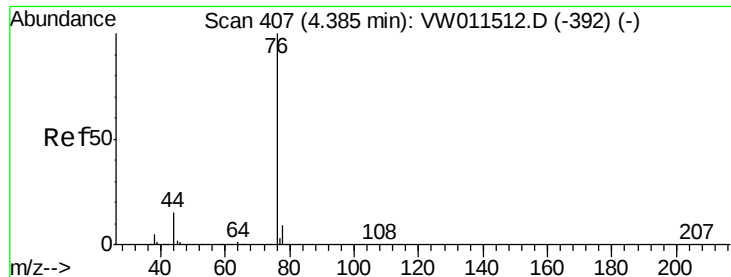
Tgt Ion: 43 Resp: 185944

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5





#17

Carbon Disulfide

Concen: 50.529 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

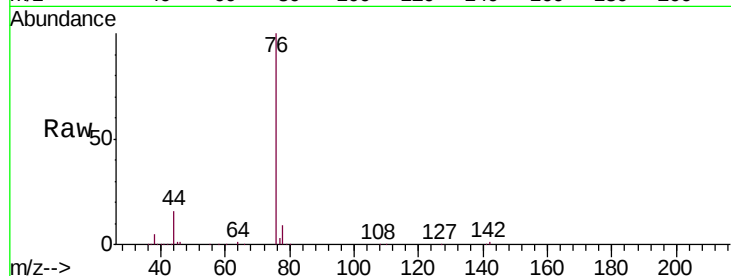
VSTDCCC050EC

Tgt Ion: 76 Resp: 336134

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

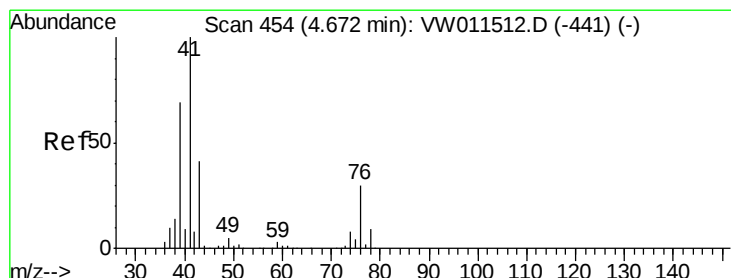
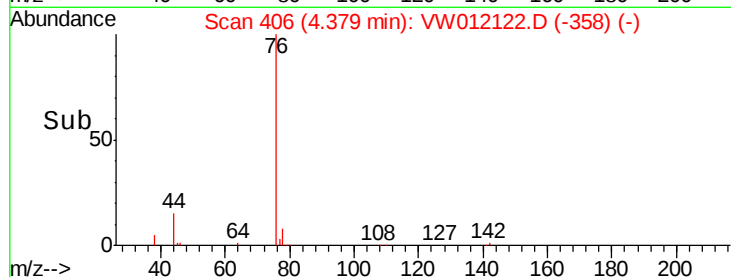
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 63.964 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012122.D

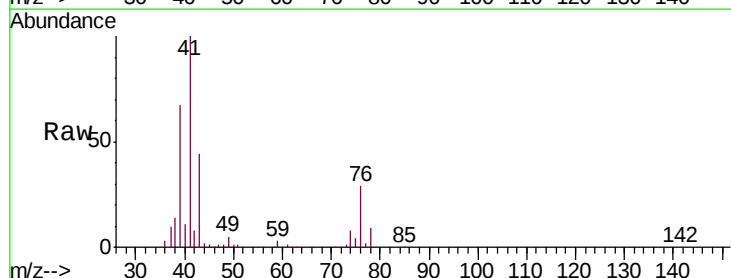
Acq: 22 Aug 2019 20:09

Tgt Ion: 43 Resp: 107115

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

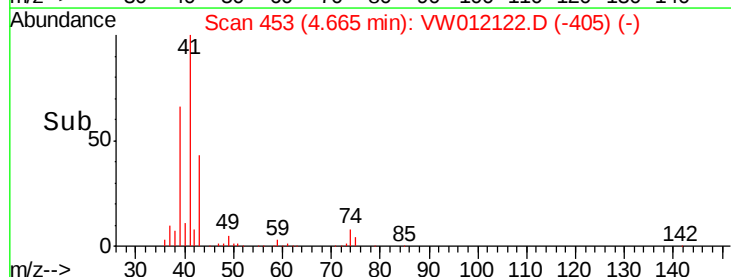
30000

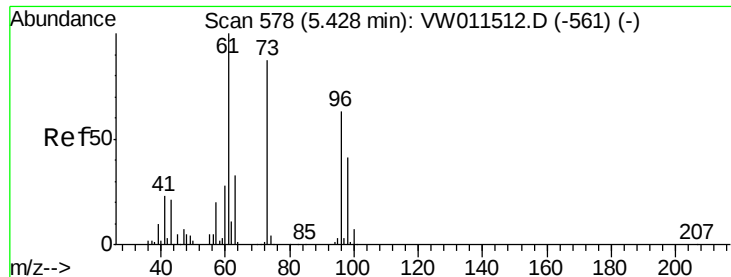
20000

10000

0

Time-->

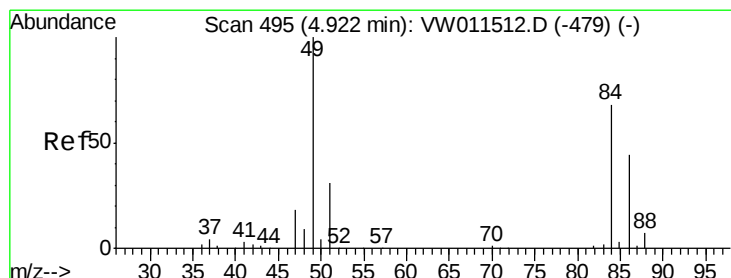
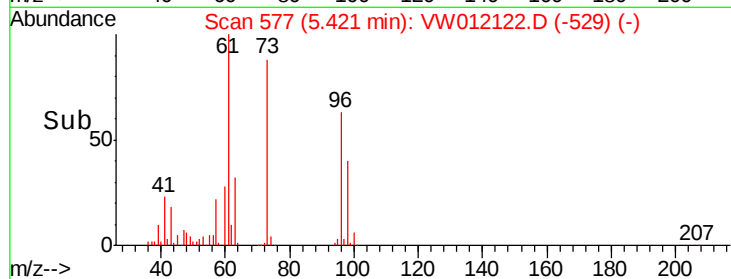
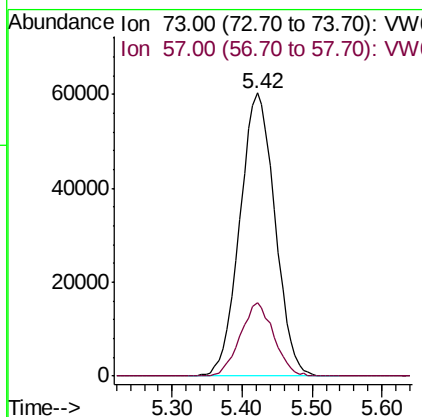
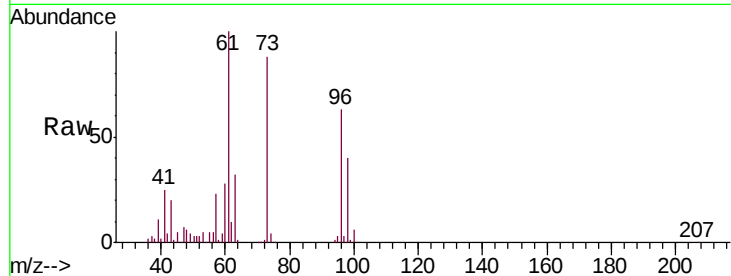




#19
Methyl tert-butyl Ether
Concen: 62.415 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

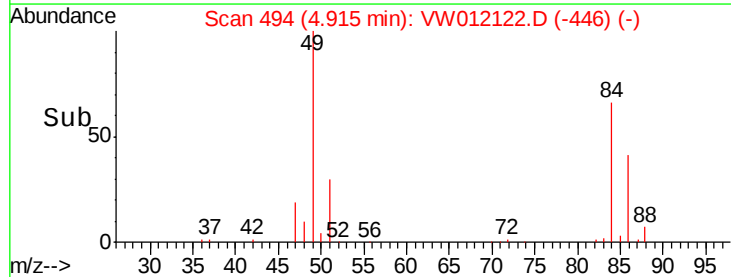
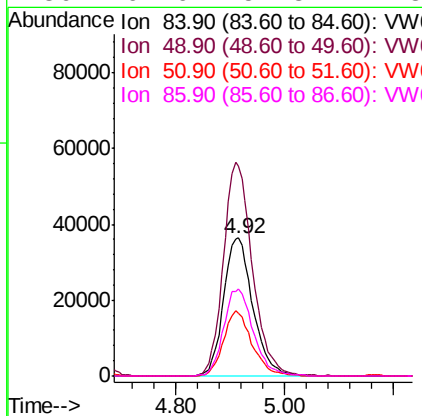
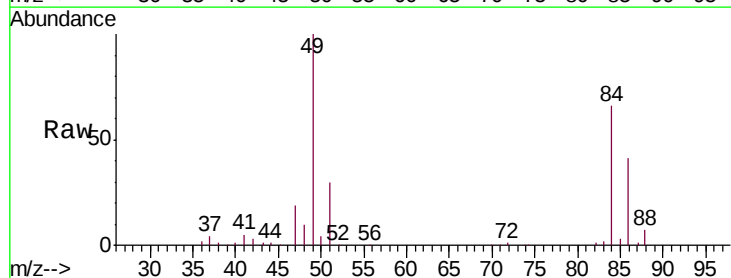
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

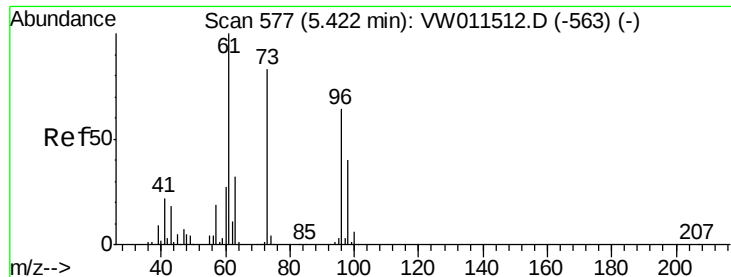
Tgt Ion: 73 Resp: 210512
Ion Ratio Lower Upper
73 100
57 26.1 18.4 27.6



#20
Methylene Chloride
Concen: 53.050 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 84 Resp: 136385
Ion Ratio Lower Upper
84 100
49 152.1 117.8 176.6
51 45.3 37.0 55.4
86 62.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 56.351 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

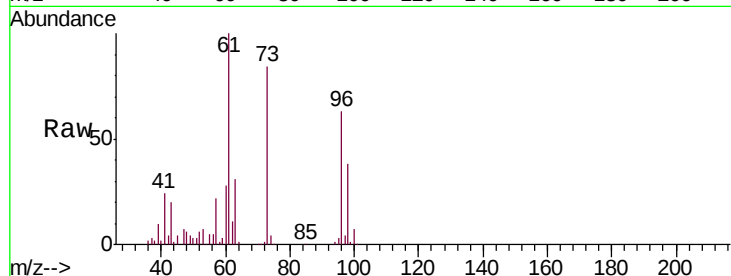
Tgt Ion: 96 Resp: 129125

Ion Ratio Lower Upper

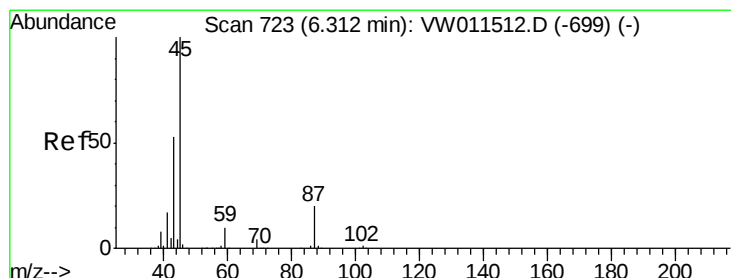
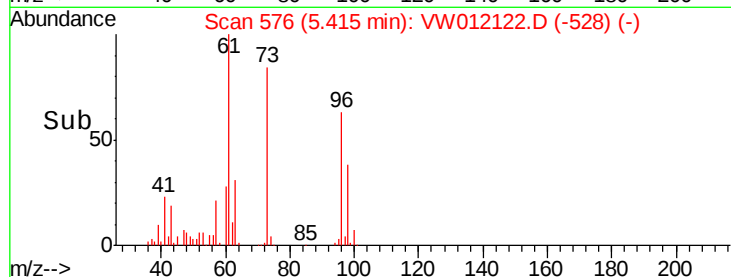
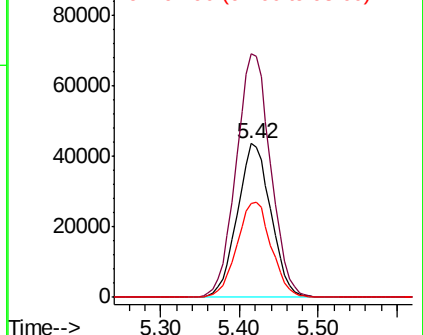
96 100

61 158.6 125.7 188.5

98 60.9 50.3 75.5



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: 59.754 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Tgt Ion: 45 Resp: 509280

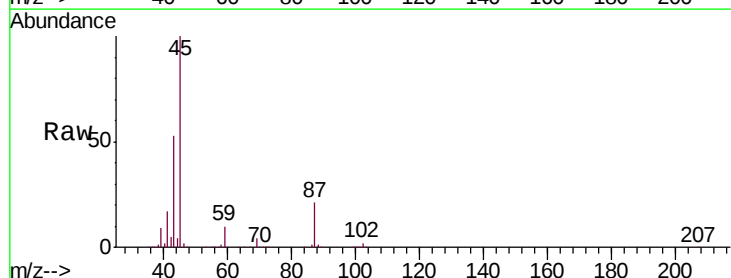
Ion Ratio Lower Upper

45 100

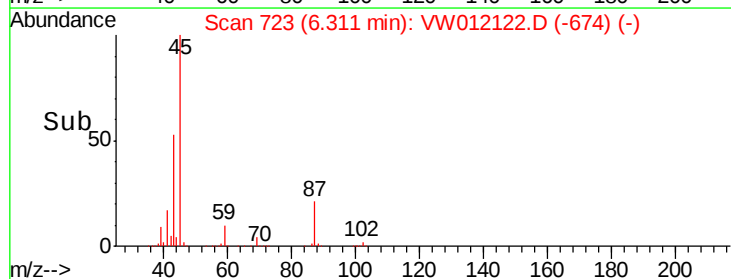
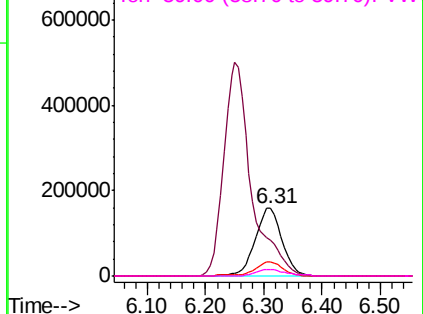
43 53.1 42.6 63.8

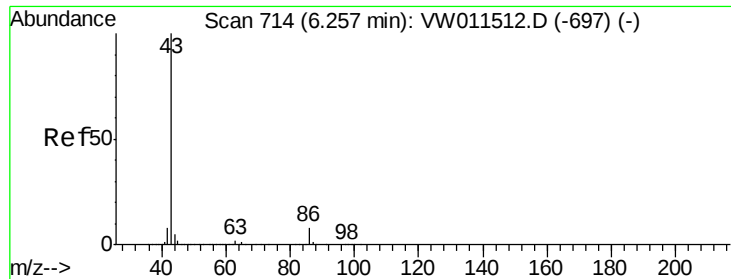
87 20.8 16.4 24.6

59 10.2 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: 306.233 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

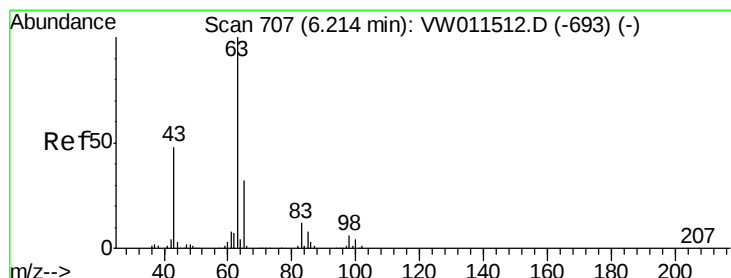
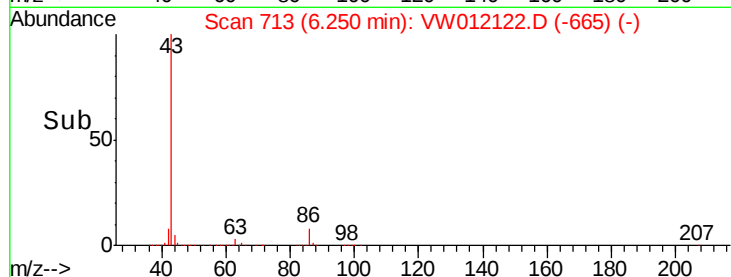
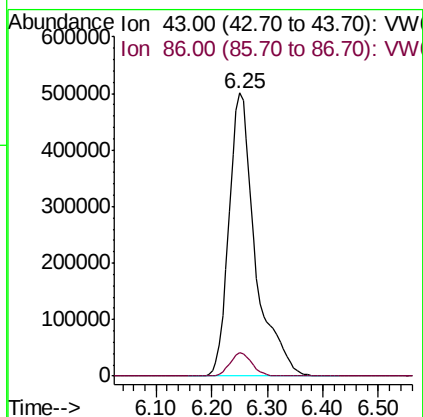
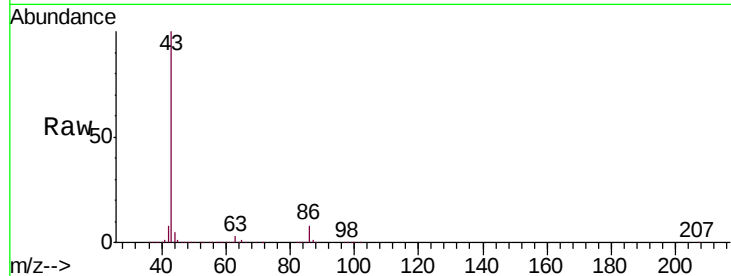
VSTDCCC050EC

Tgt Ion: 43 Resp: 1640011

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 58.296 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

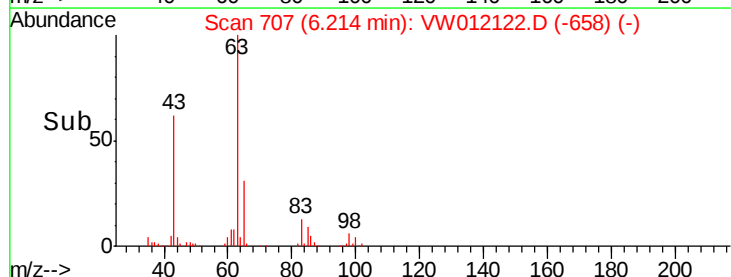
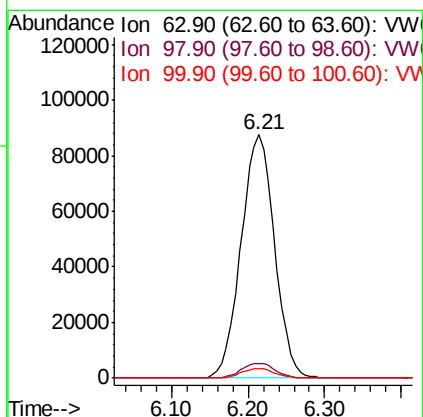
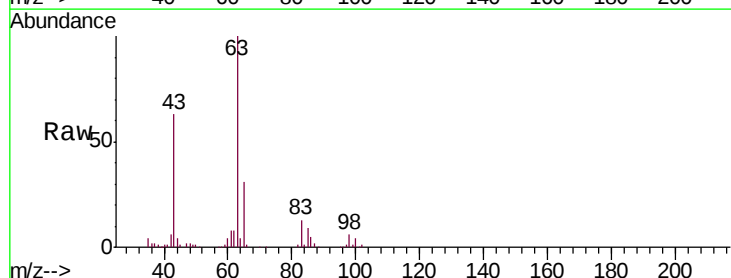
Tgt Ion: 63 Resp: 266100

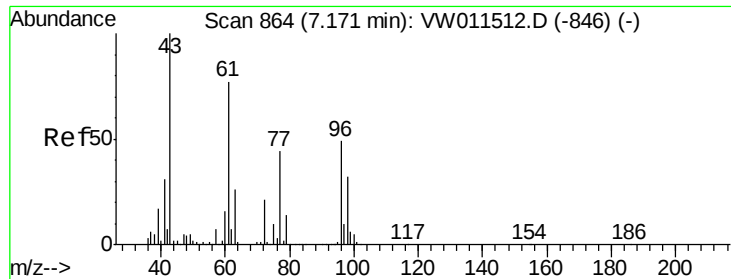
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.6 2.1 6.3

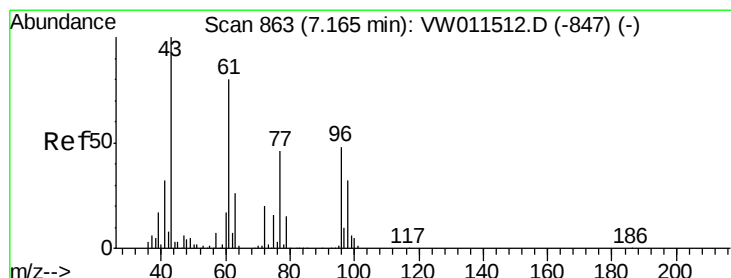
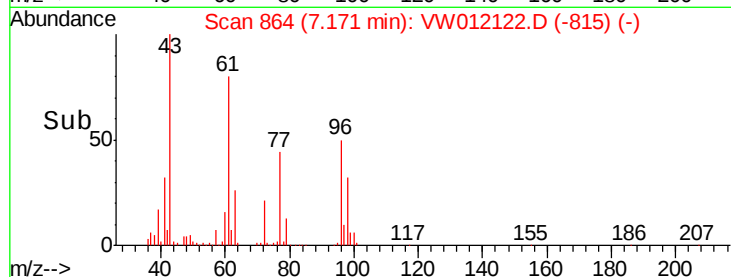
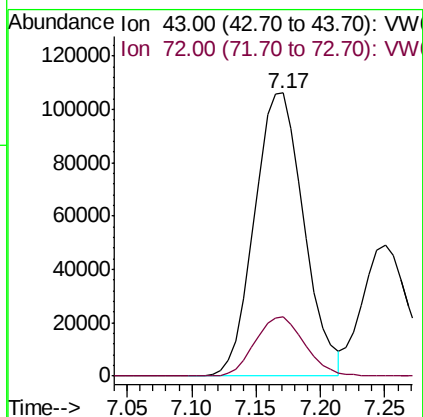
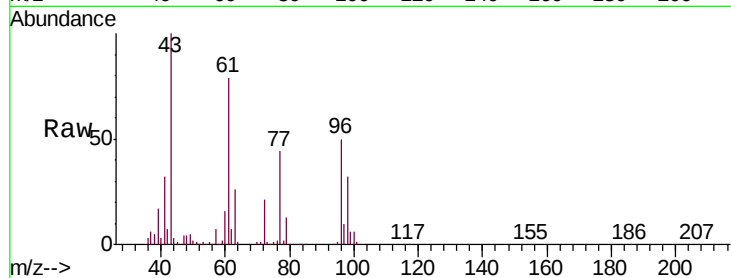




#25
2-Butanone
Concen: 289.034 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

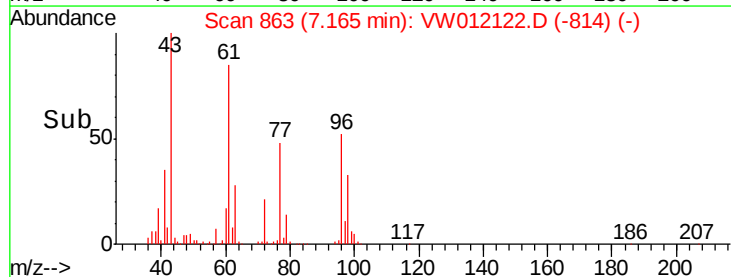
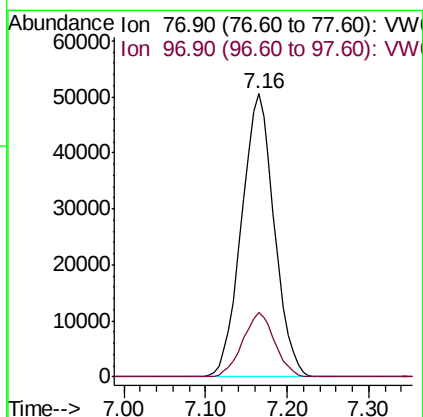
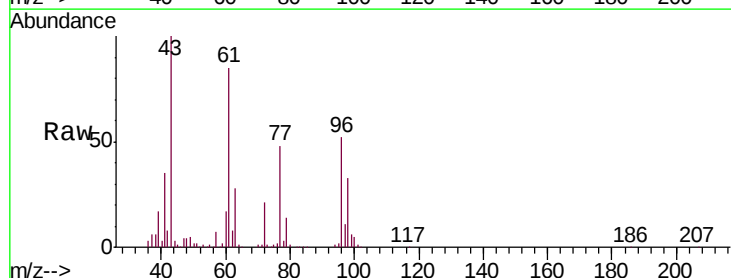
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

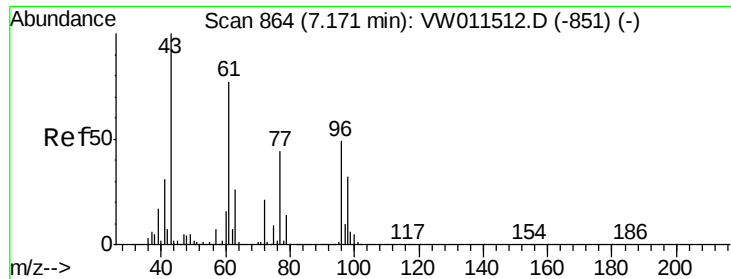
Tgt Ion: 43 Resp: 281932
Ion Ratio Lower Upper
43 100
72 21.0 16.6 24.8



#26
2,2-Dichloropropane
Concen: 50.201 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 77 Resp: 140923
Ion Ratio Lower Upper
77 100
97 22.4 10.8 32.4



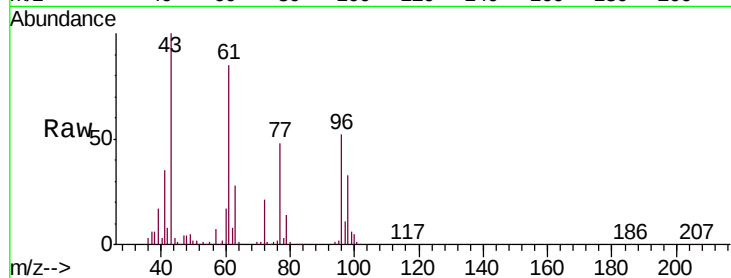


#27

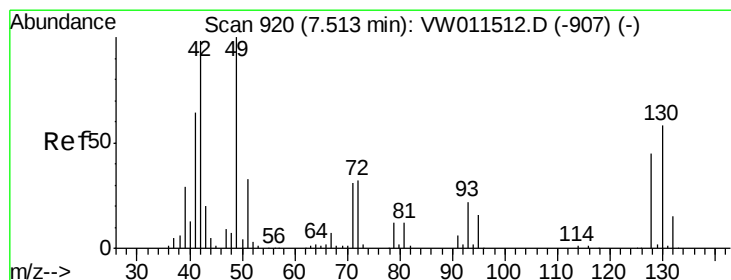
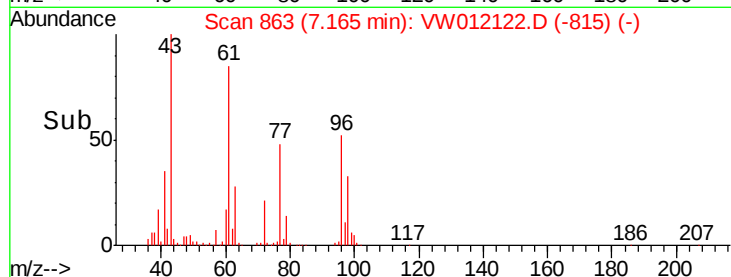
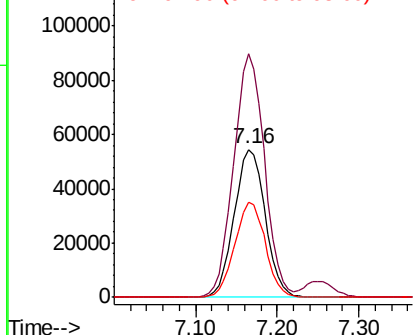
cis-1,2-Dichloroethene
 Concen: 57.028 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	328.4
98	63.3	0.0	128.8



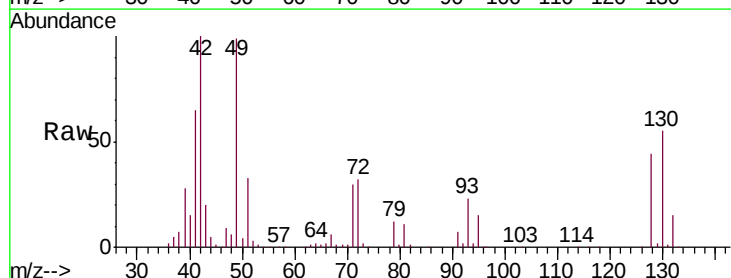
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



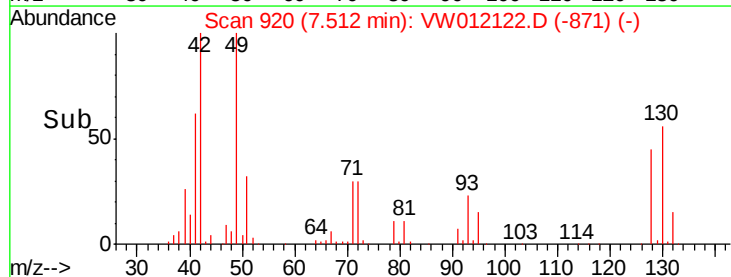
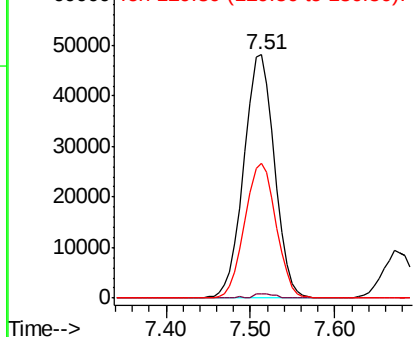
#28

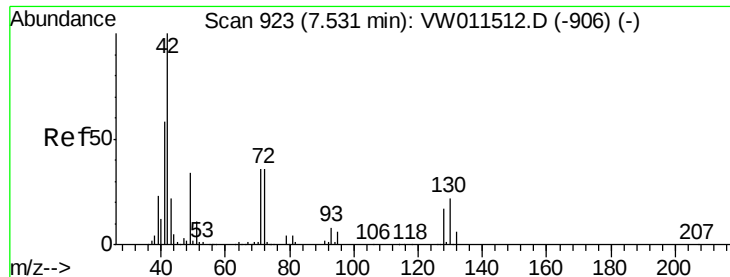
Bromochloromethane
 Concen: 58.607 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.0#
130	56.6	46.3	69.5



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

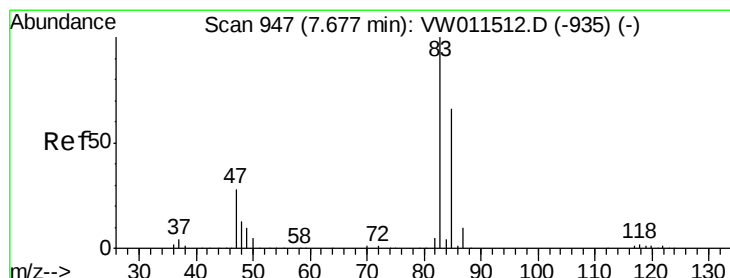
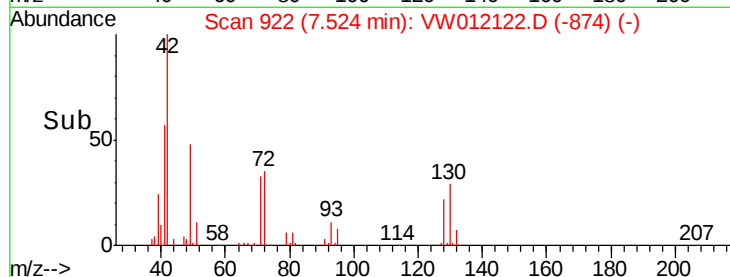
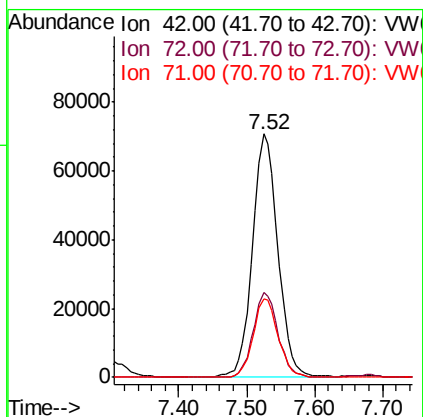
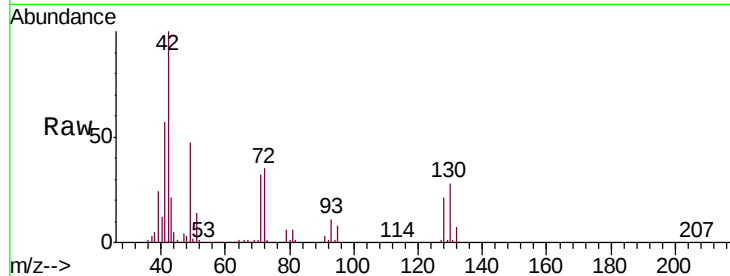




#29
Tetrahydrofuran
Concen: 331.189 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

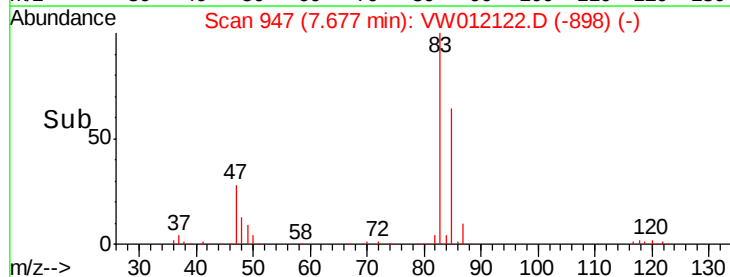
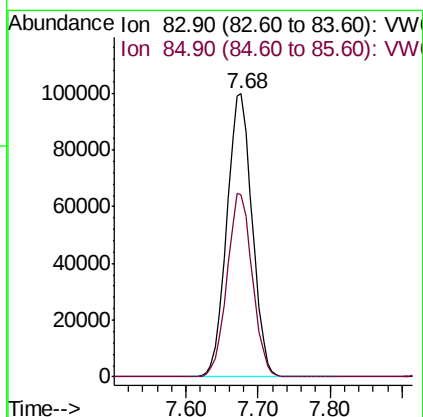
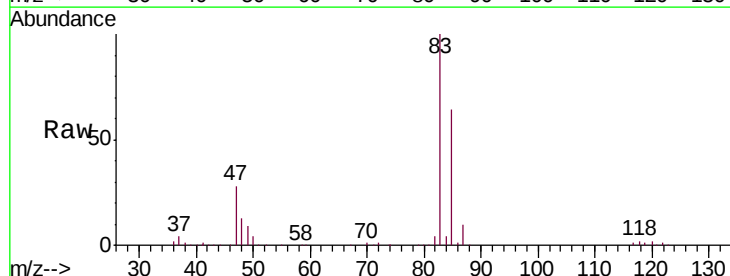
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

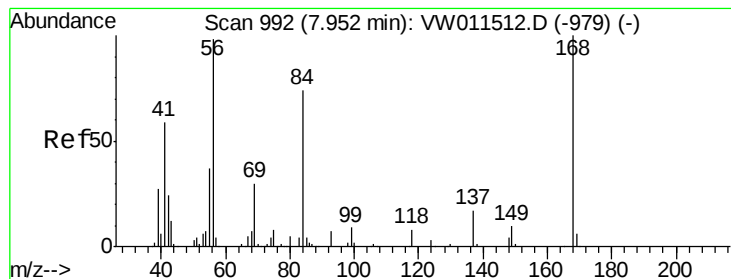
Tgt Ion: 42 Resp: 184659
Ion Ratio Lower Upper
42 100
72 34.1 27.1 40.7
71 32.0 26.2 39.4



#30
Chloroform
Concen: 57.921 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 83 Resp: 243917
Ion Ratio Lower Upper
83 100
85 64.3 52.5 78.7





#31

Cyclohexane

Concen: 54.608 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

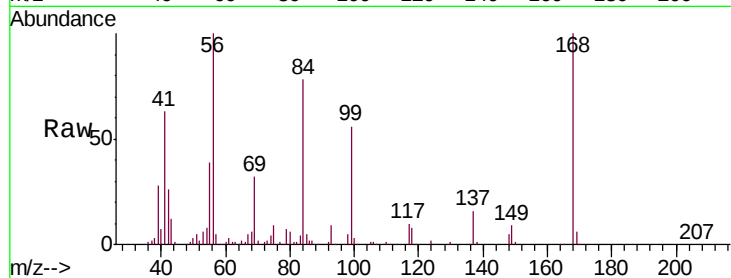
Tgt Ion: 56 Resp: 239274

Ion Ratio Lower Upper

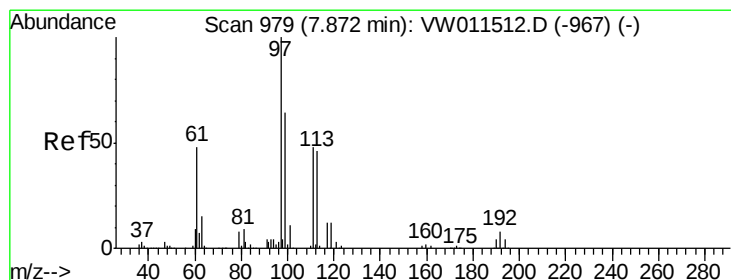
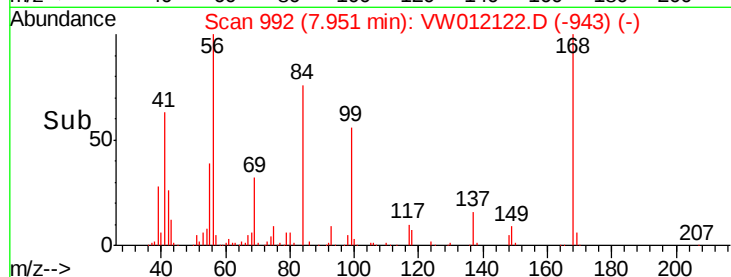
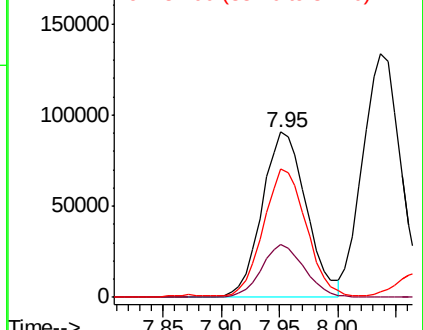
56 100

69 32.0 24.3 36.5

84 76.0 60.4 90.6



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: 59.475 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

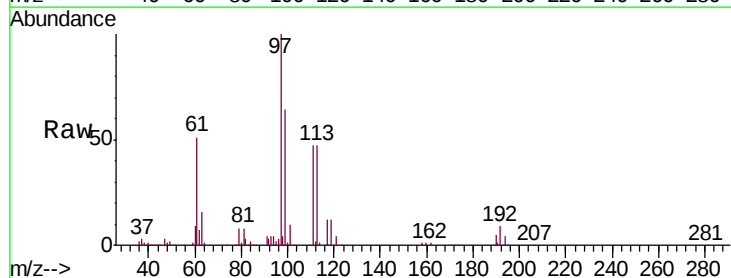
Tgt Ion: 97 Resp: 190741

Ion Ratio Lower Upper

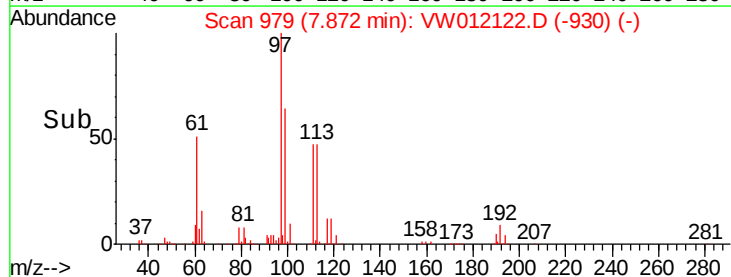
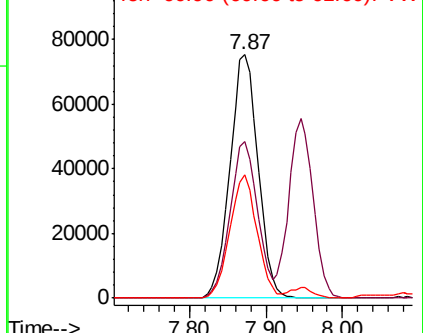
97 100

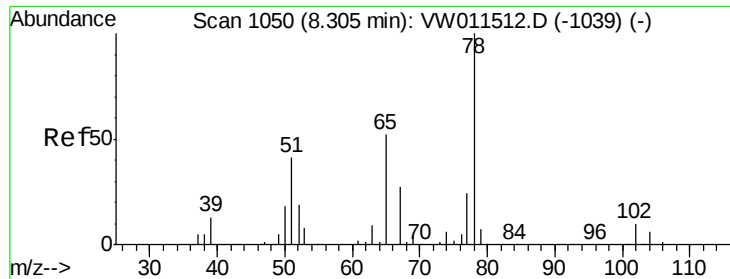
99 63.3 51.0 76.6

61 49.3 39.8 59.6



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

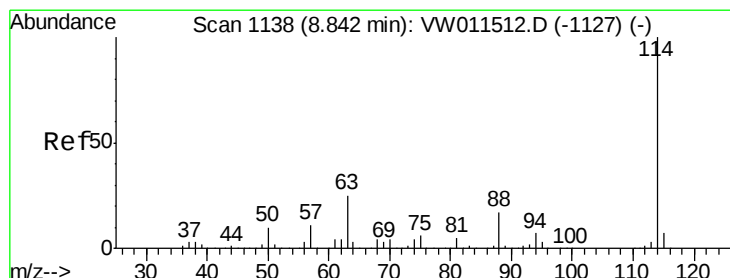
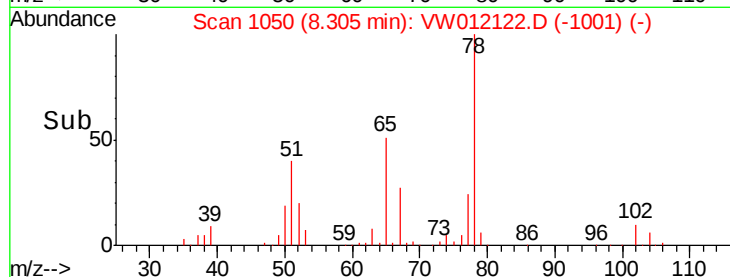
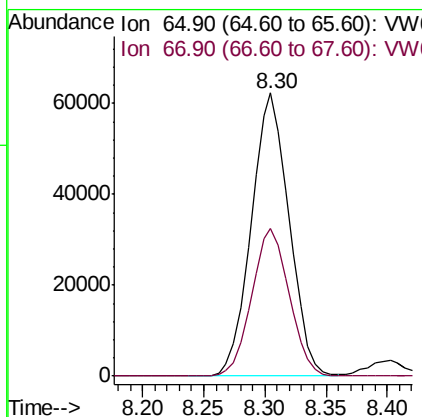
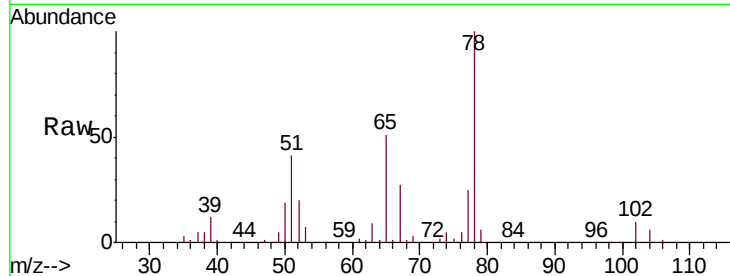




#33
 1,2-Dichloroethane-d4
 Concen: 57.146 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

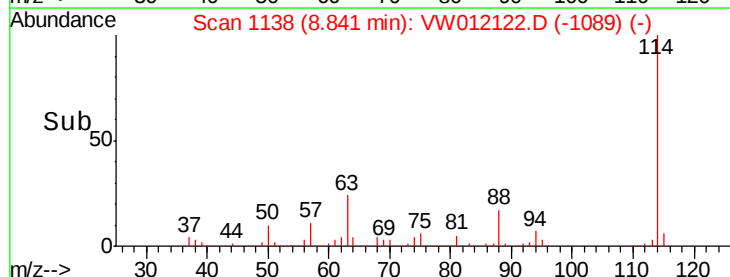
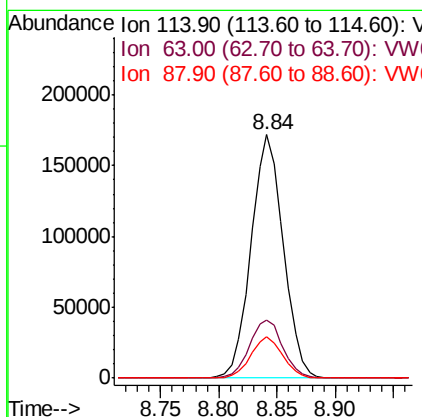
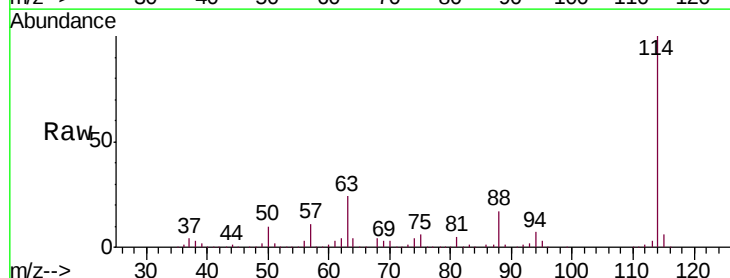
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

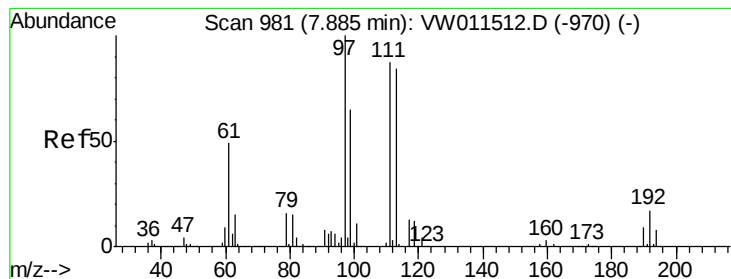
Tgt Ion: 65 Resp: 133918
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 114 Resp: 330170
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 57.844 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

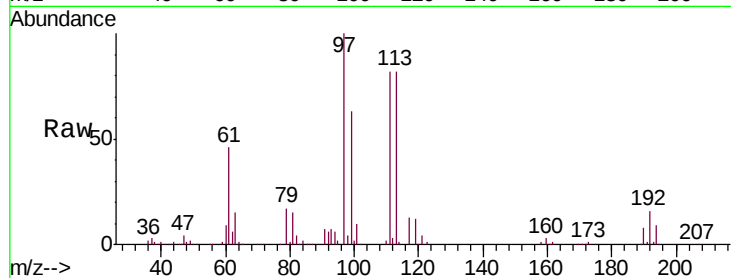
Tgt Ion:113 Resp: 107146

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

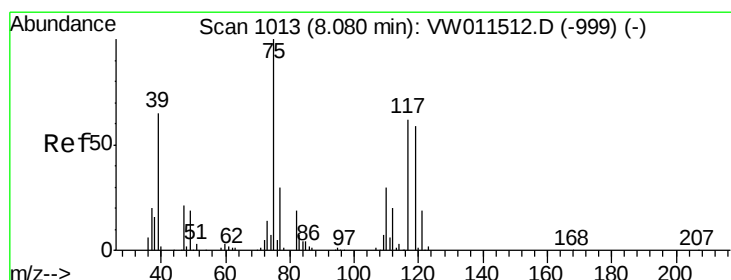
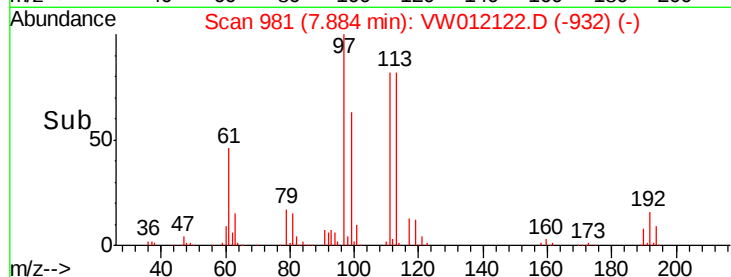
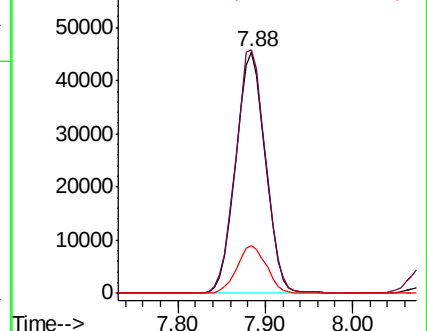
192 19.8 16.1 24.1



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: 57.867 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

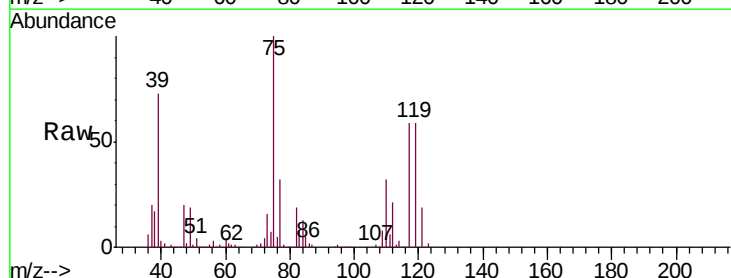
Tgt Ion: 75 Resp: 198668

Ion Ratio Lower Upper

75 100

110 31.8 15.6 46.8

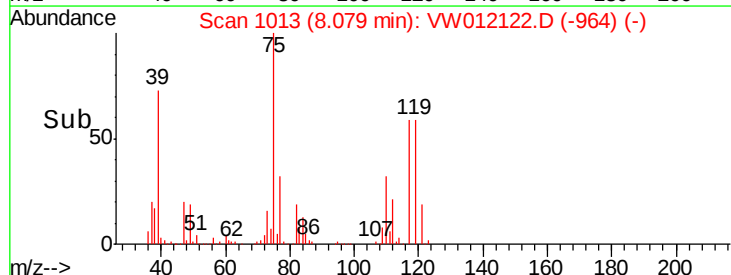
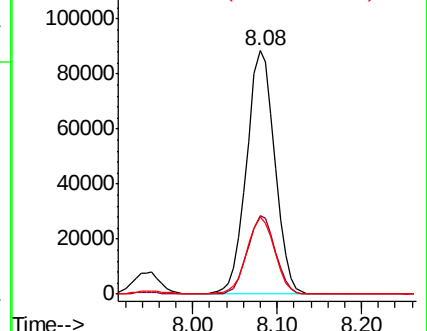
77 31.3 24.3 36.5

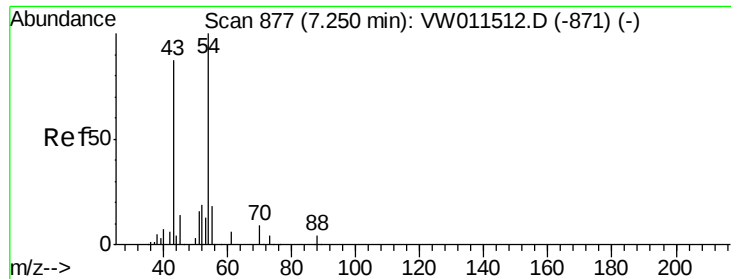


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

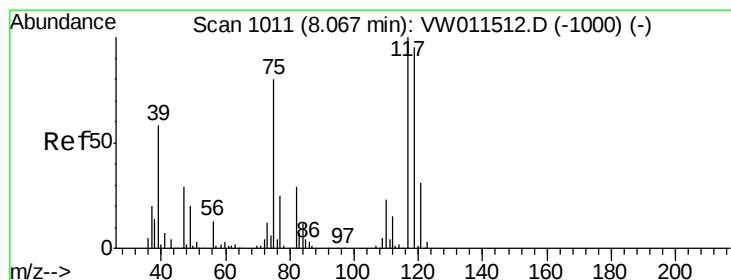
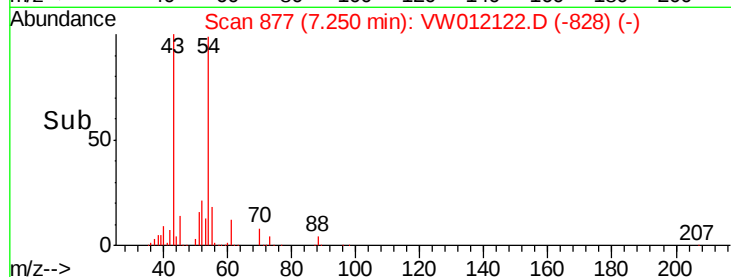
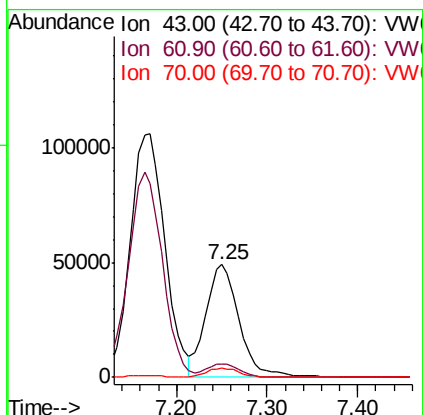
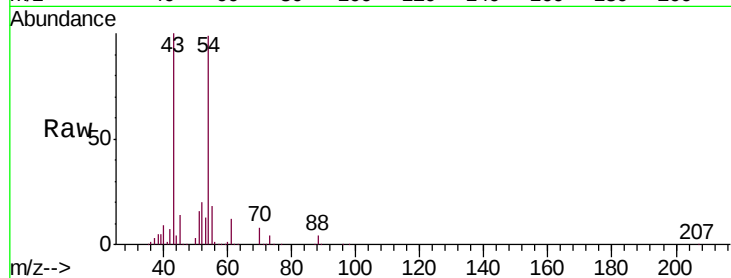




#37
Ethyl Acetate
Concen: 63.147 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

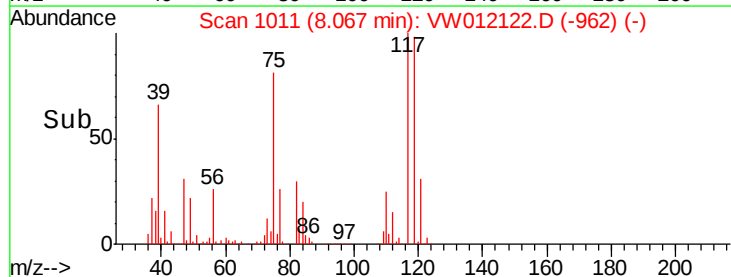
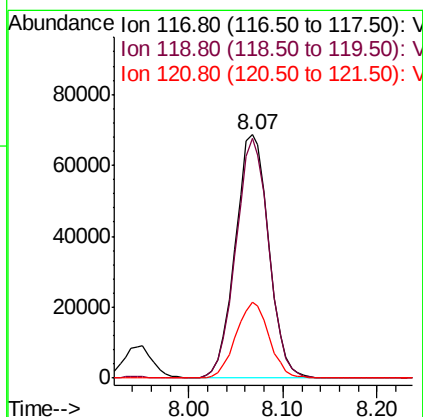
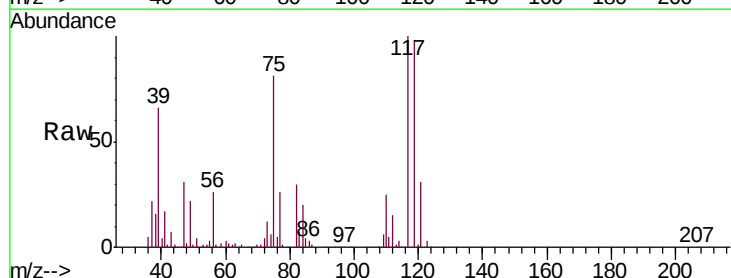
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

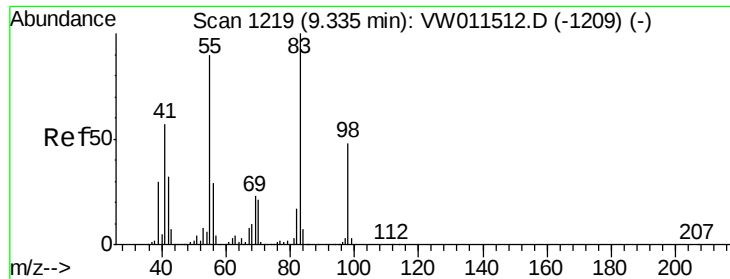
Tgt Ion: 43 Resp: 124727
Ion Ratio Lower Upper
43 100
61 12.1 8.8 13.2
70 8.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 58.104 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 117 Resp: 170768
Ion Ratio Lower Upper
117 100
119 98.4 75.8 113.6
121 31.4 24.7 37.1

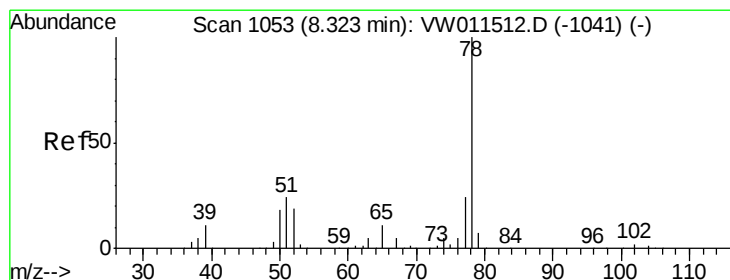
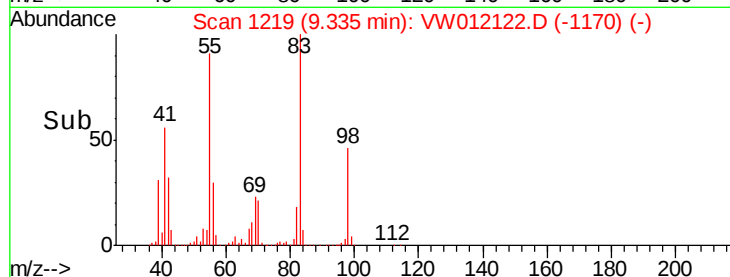
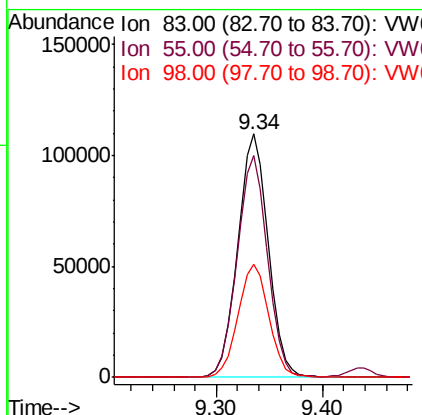
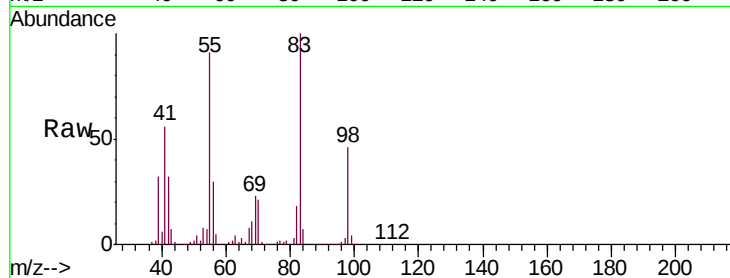




#39
Methylcyclohexane
Concen: 58.435 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

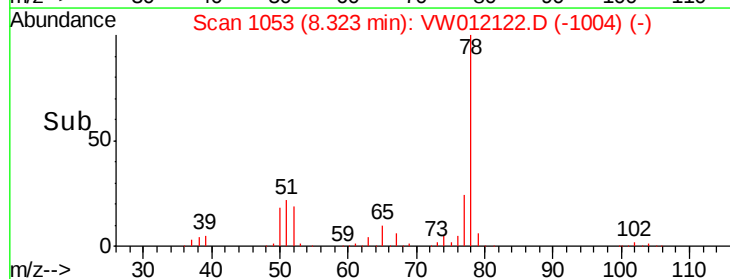
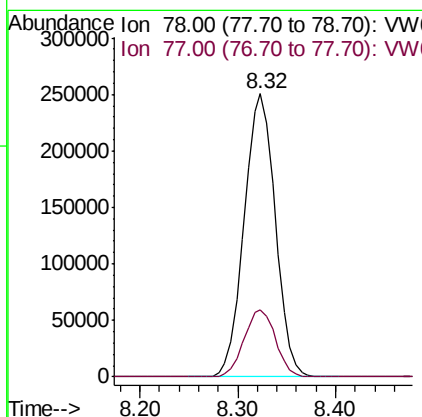
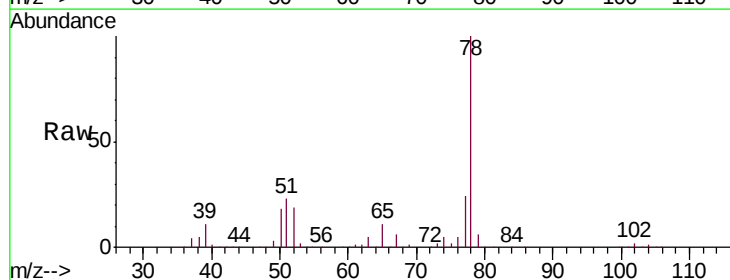
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

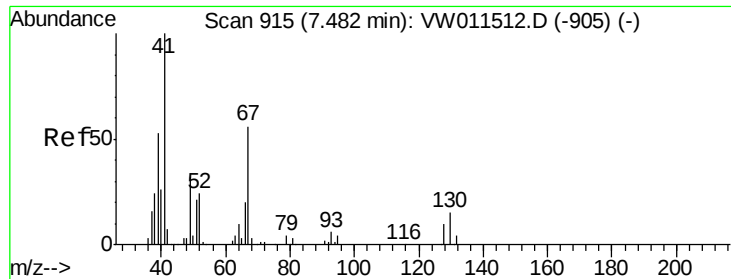
Tgt Ion: 83 Resp: 220903
Ion Ratio Lower Upper
83 100
55 91.0 72.1 108.1
98 46.5 38.6 57.8



#40
Benzene
Concen: 57.742 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 78 Resp: 555272
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

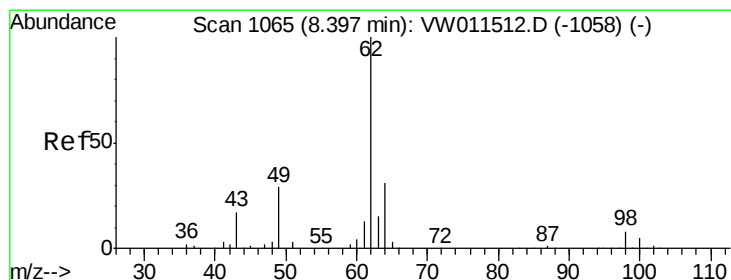
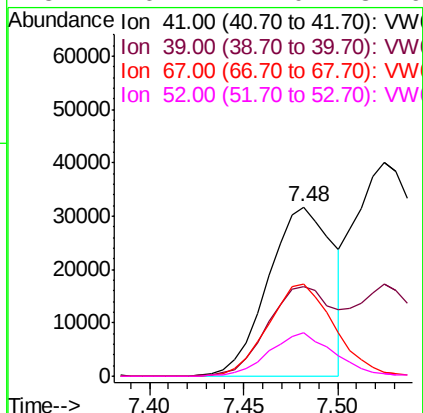
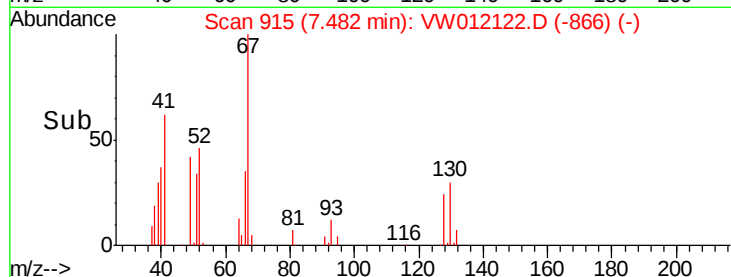
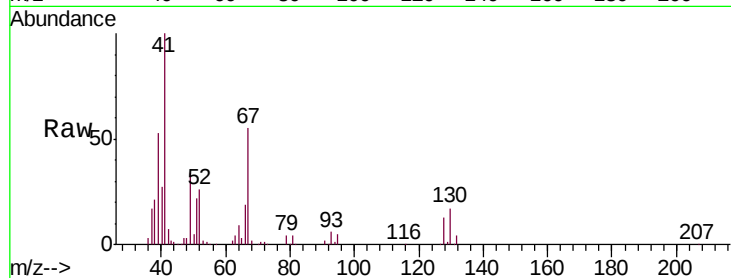




#41
Methacrylonitrile
Concen: 64.169 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

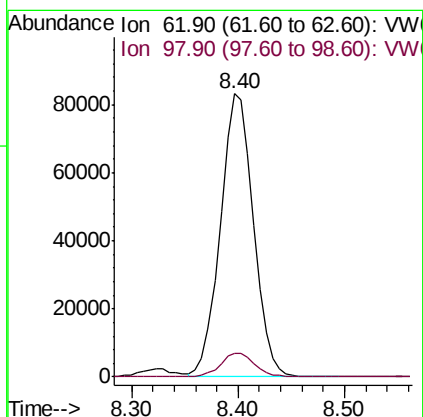
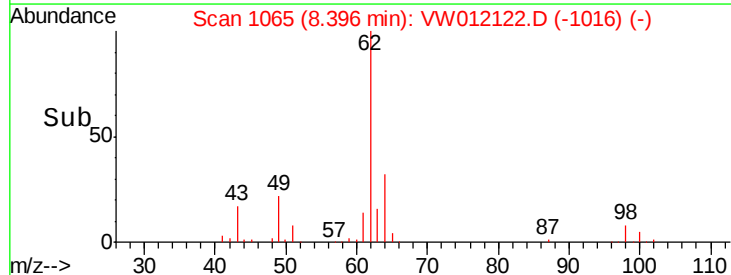
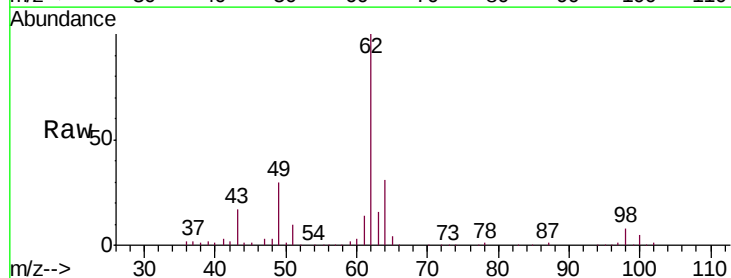
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

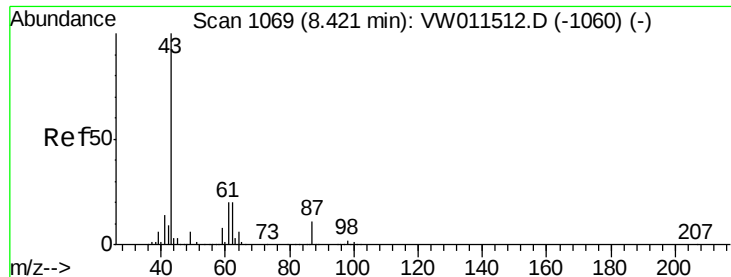
Tgt Ion:	41	Resp:	75765
Ion	Ratio	Lower	Upper
41	100		
39	53.2	43.0	64.4
67	56.4	47.5	71.3
52	26.2	21.0	31.6



#42
1,2-Dichloroethane
Concen: 59.833 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion:	62	Resp:	180145
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 63.945 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

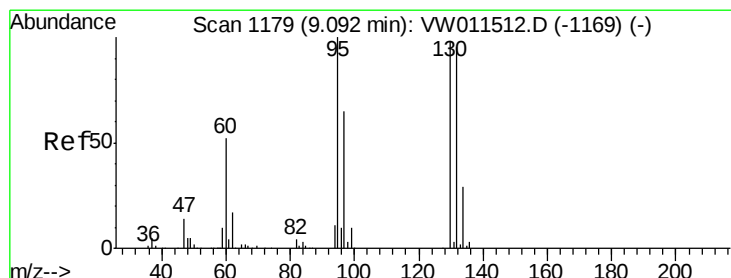
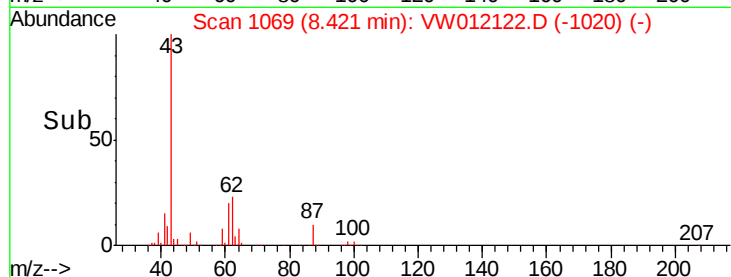
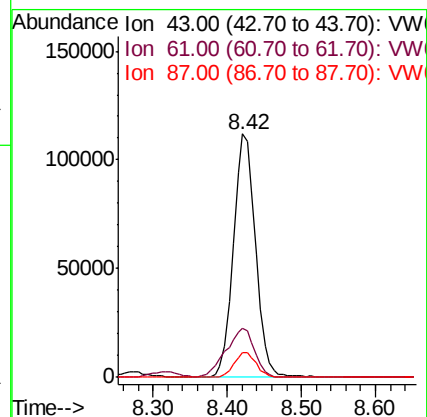
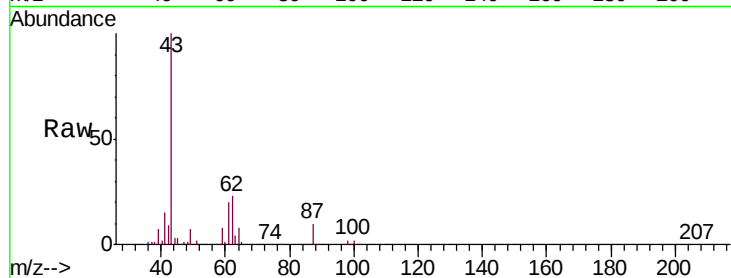
Tgt Ion: 43 Resp: 232284

Ion Ratio Lower Upper

43 100

61 25.7 21.5 32.3

87 10.3 8.4 12.6



#44

Trichloroethene

Concen: 57.610 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012122.D

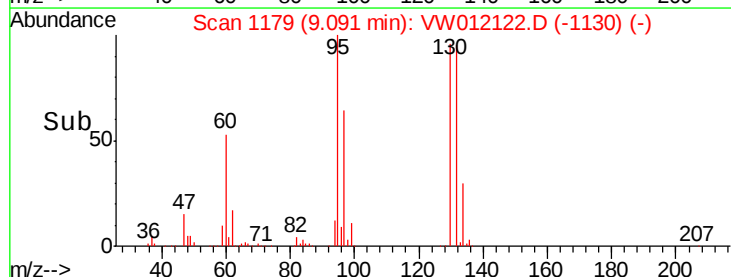
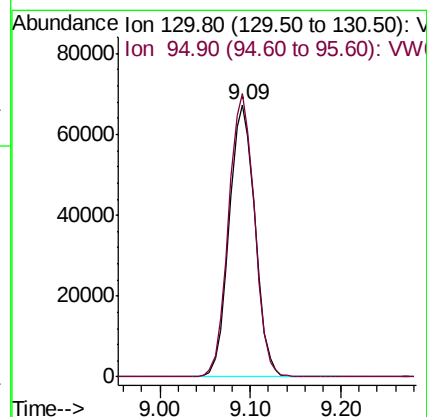
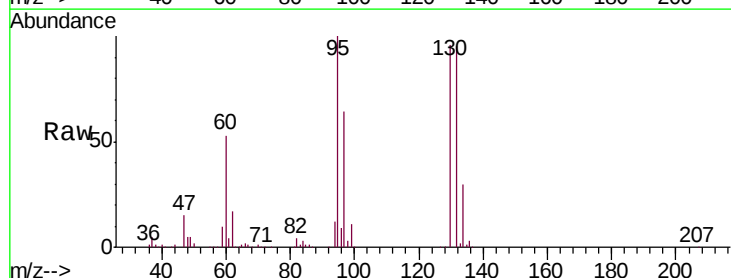
Acq: 22 Aug 2019 20:09

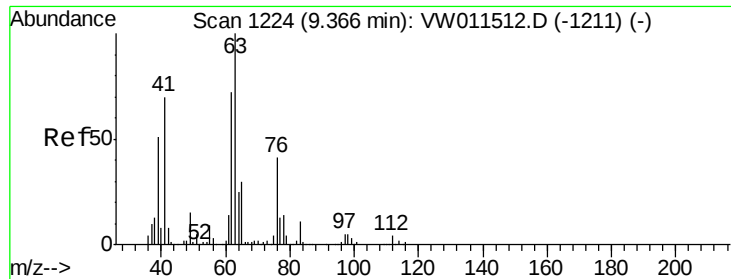
Tgt Ion: 130 Resp: 133153

Ion Ratio Lower Upper

130 100

95 104.1 0.0 204.8

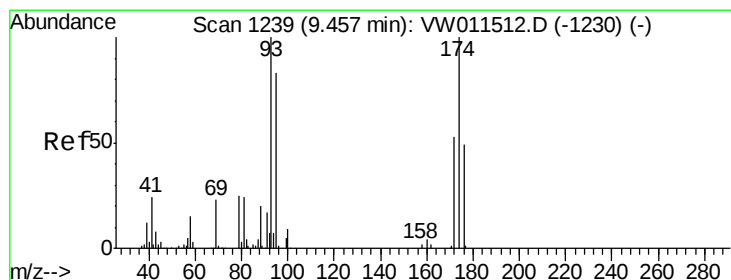
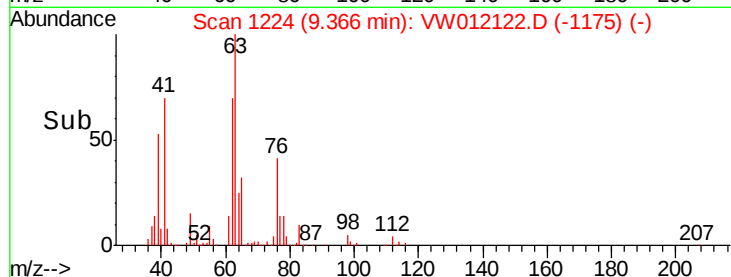
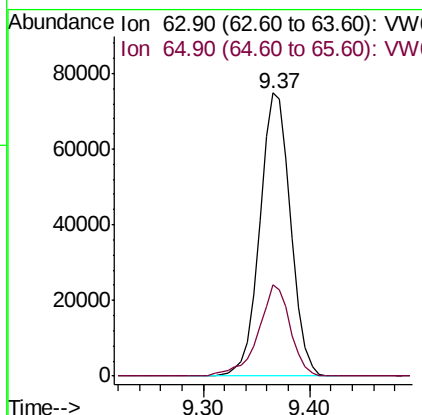
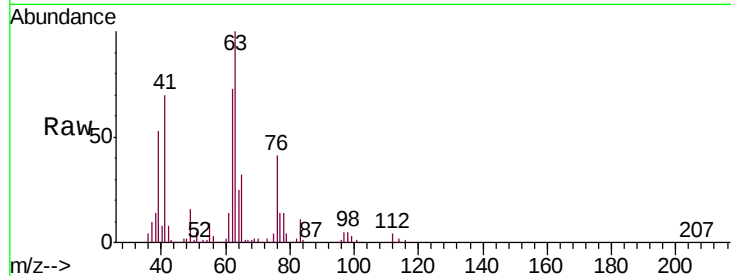




#45
 1,2-Dichloropropane
 Concen: 58.896 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

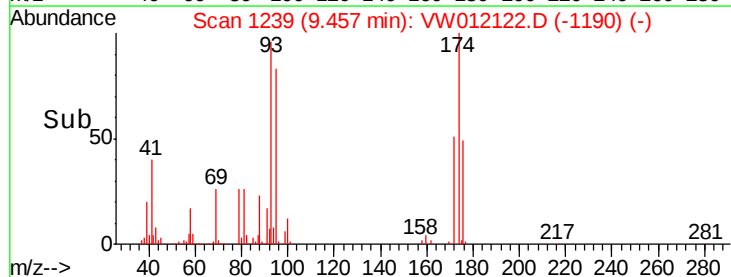
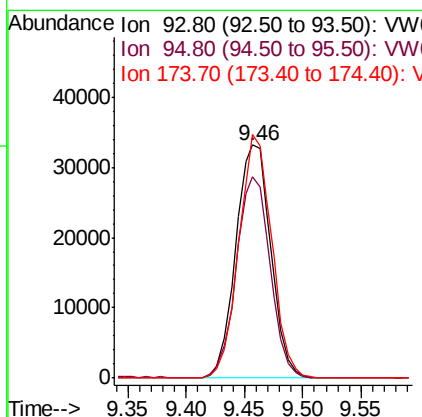
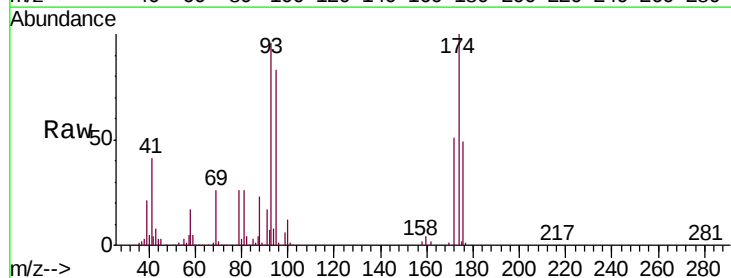
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

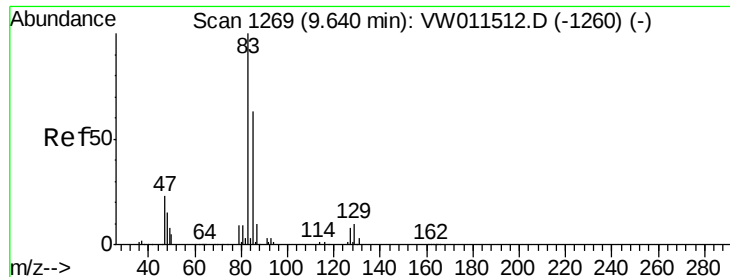
Tgt Ion: 63 Resp: 151542
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.2 36.4



#46
 Dibromomethane
 Concen: 59.100 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 93 Resp: 69406
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.2
 174 98.4 78.2 117.4





#47

Bromodichloromethane

Concen: 58.719 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

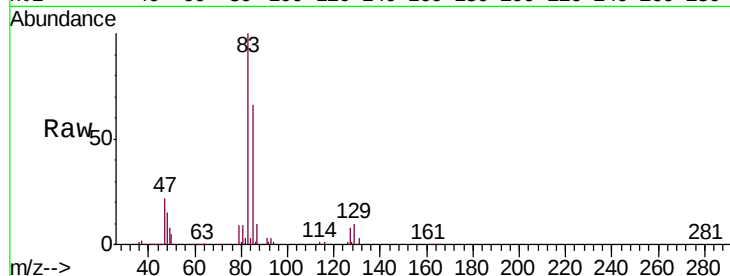
Tgt Ion: 83 Resp: 180889

Ion Ratio Lower Upper

83 100

85 65.8 50.5 75.7

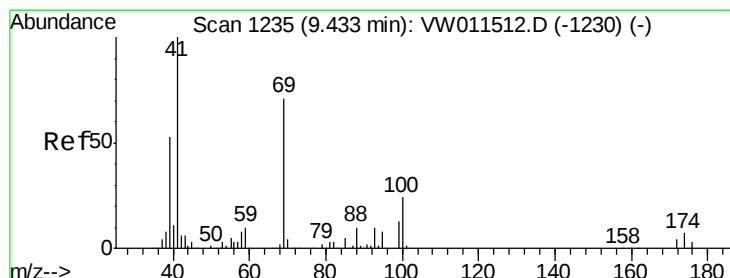
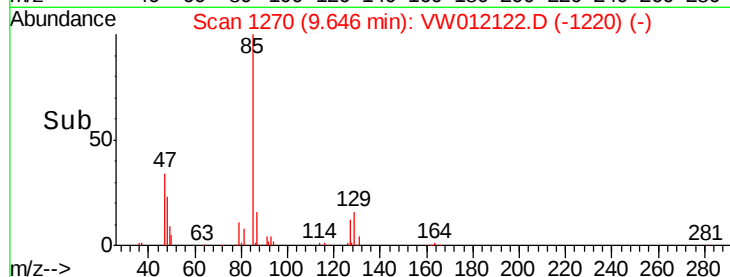
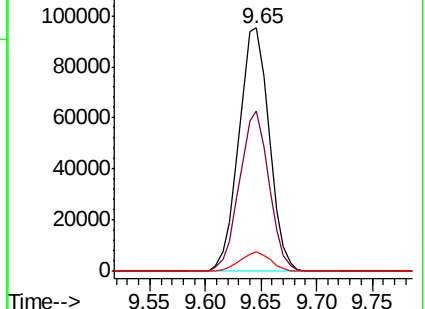
127 7.8 6.4 9.6



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: 65.221 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

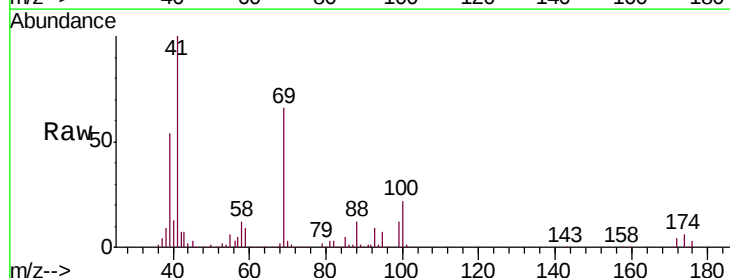
Tgt Ion: 41 Resp: 113806

Ion Ratio Lower Upper

41 100

69 69.9 57.1 85.7

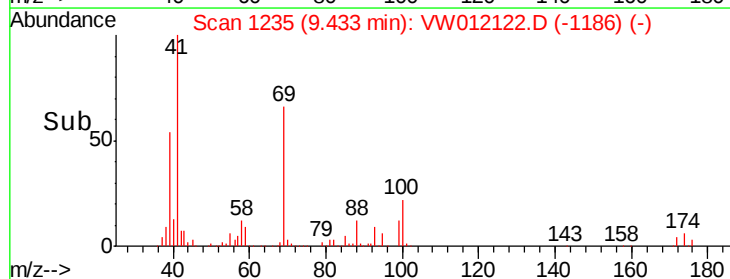
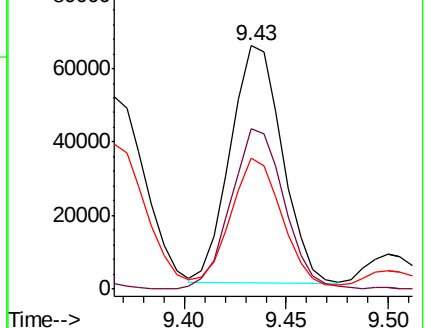
39 55.9 45.4 68.2

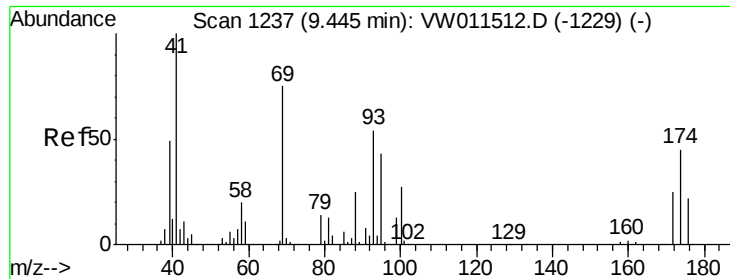


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1471.795 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

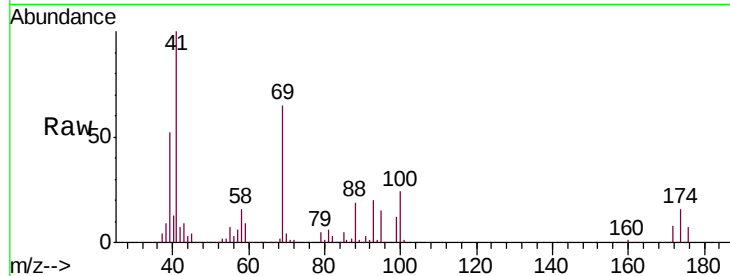
Tgt Ion: 88 Resp: 25027

Ion Ratio Lower Upper

88 100

43 43.1 34.0 51.0

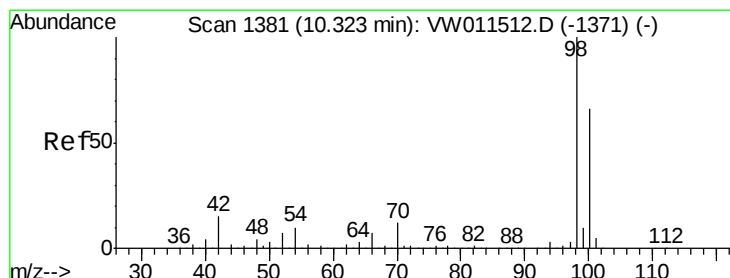
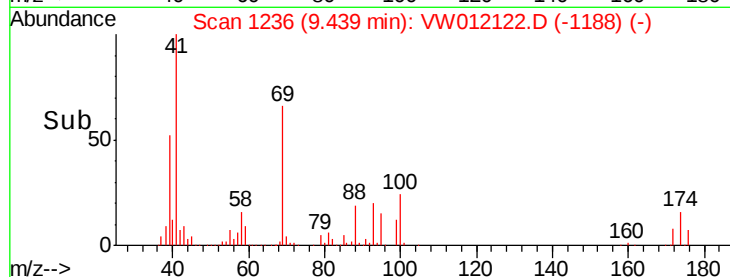
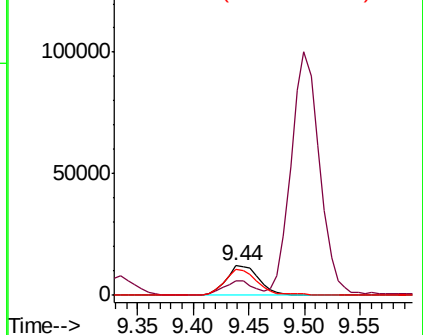
58 88.3 69.7 104.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 56.232 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012122.D

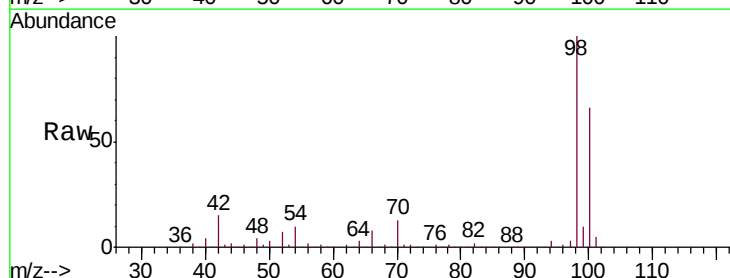
Acq: 22 Aug 2019 20:09

Tgt Ion: 98 Resp: 426461

Ion Ratio Lower Upper

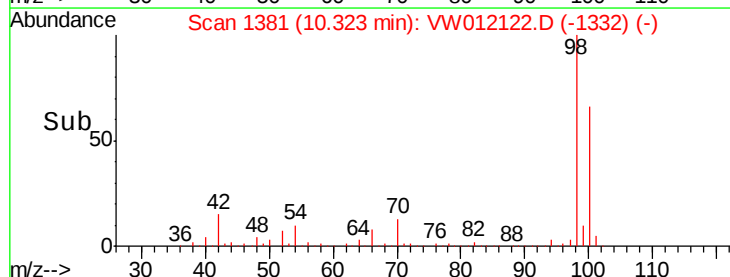
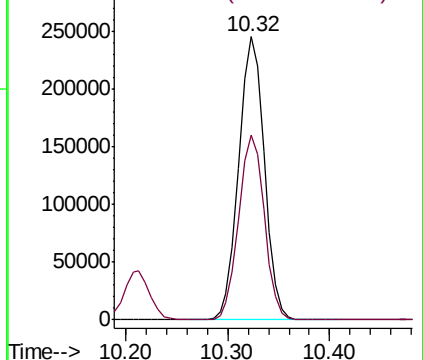
98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

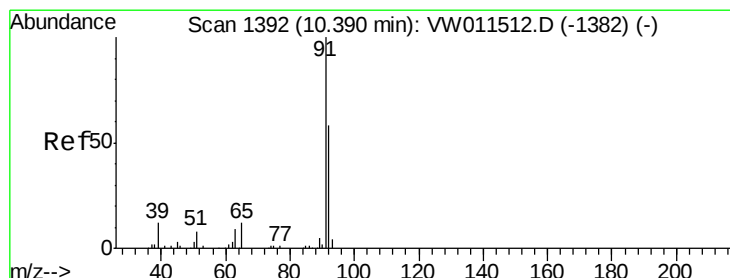
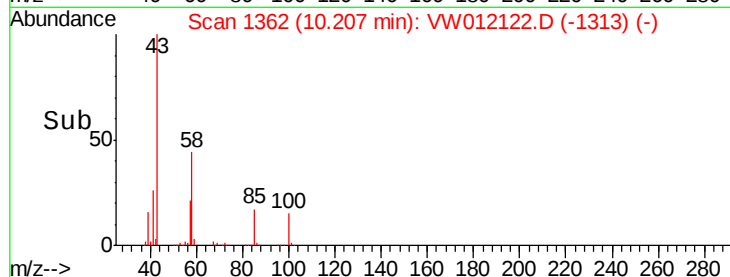
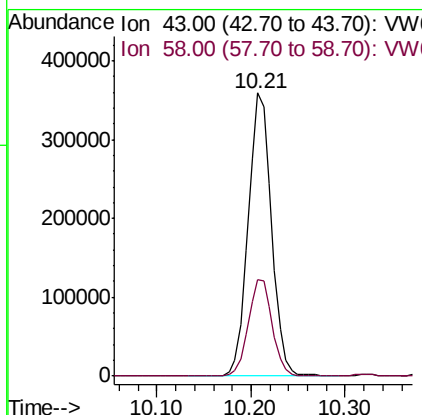
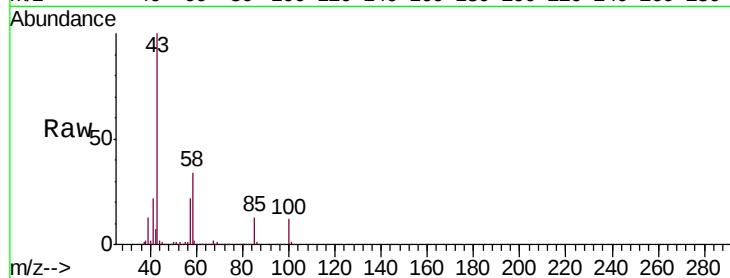




#51
 4-Methyl-2-Pentanone
 Concen: 329.892 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

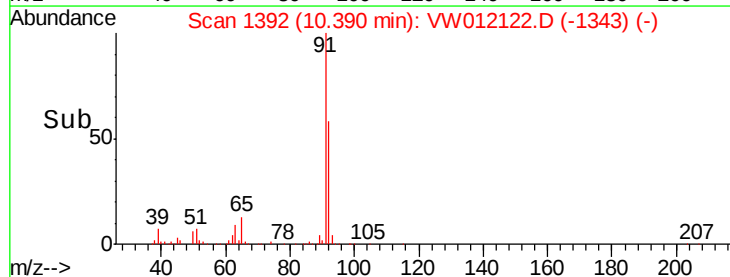
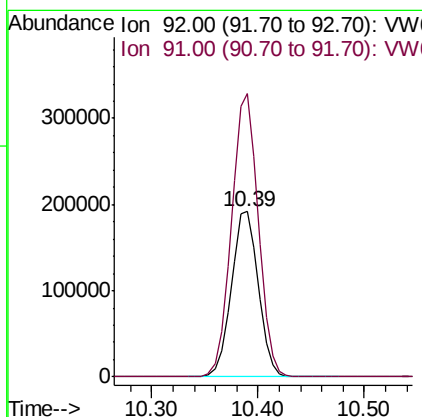
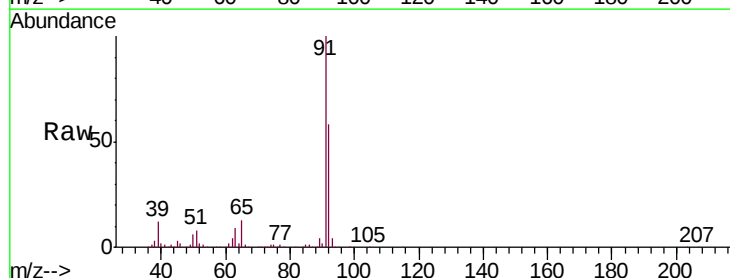
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

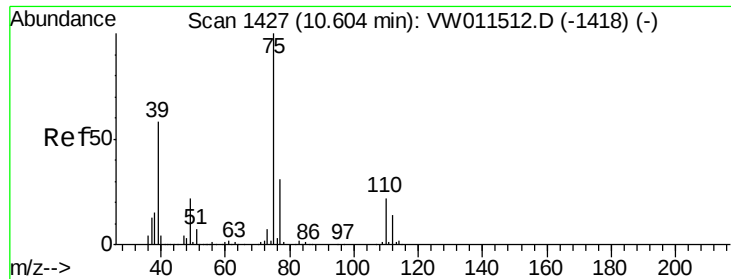
Tgt Ion: 43 Resp: 623316
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.2 42.2



#52
 Toluene
 Concen: 58.651 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 92 Resp: 340608
 Ion Ratio Lower Upper
 92 100
 91 170.1 136.7 205.1

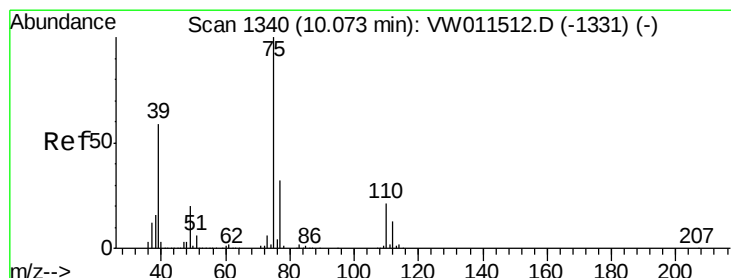
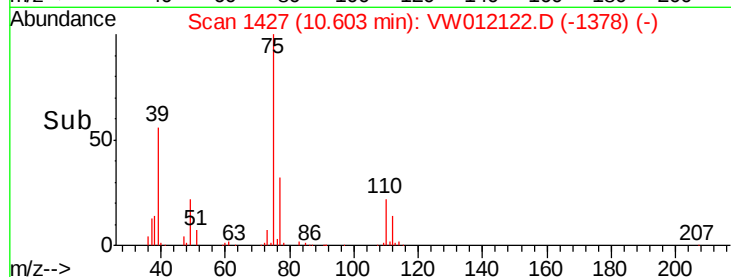
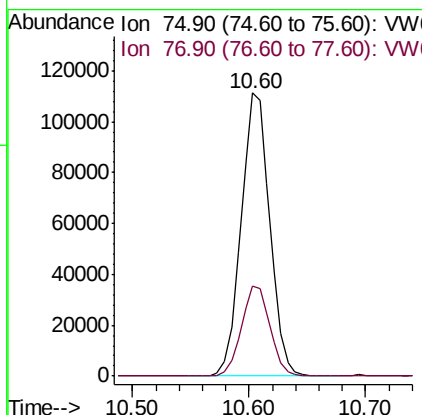
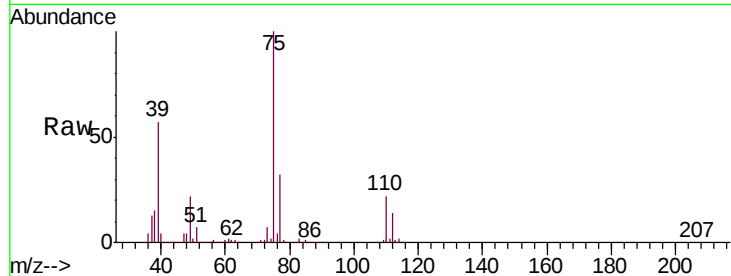




#53
 t-1,3-Dichloropropene
 Concen: 59.226 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

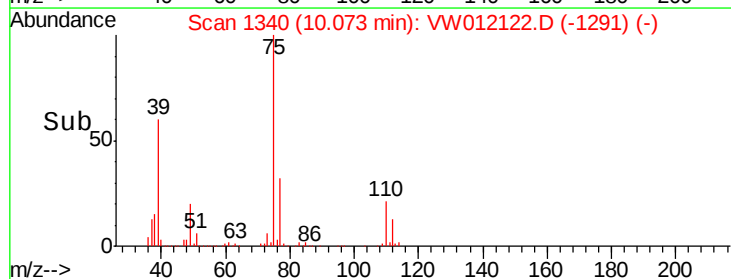
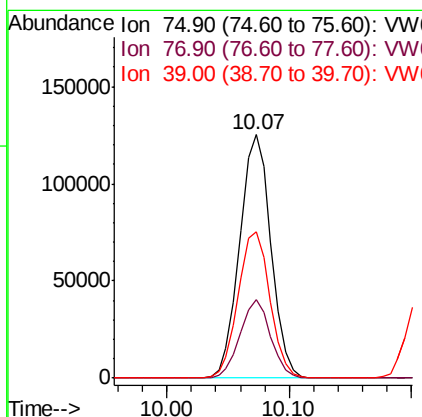
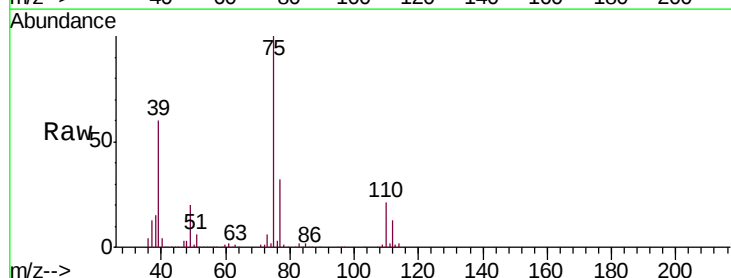
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

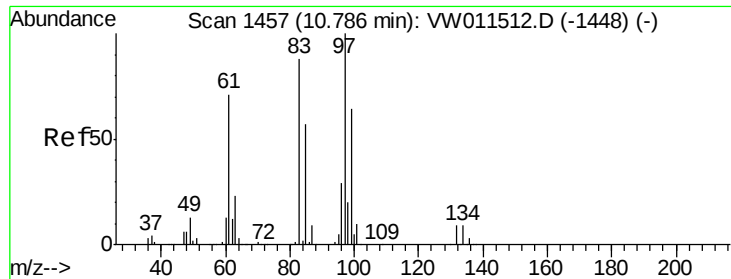
Tgt Ion: 75 Resp: 190588
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 58.043 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 75 Resp: 222083
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4
 39 60.2 47.0 70.4

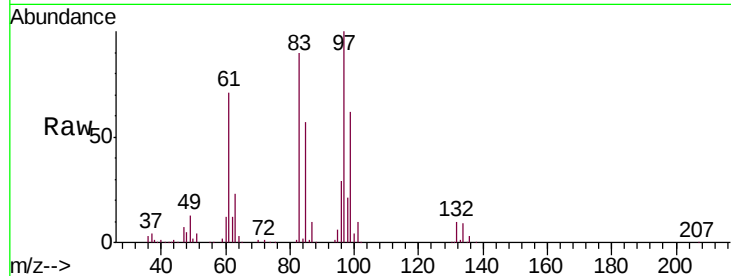




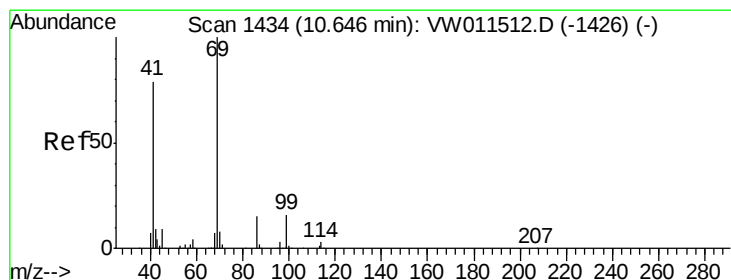
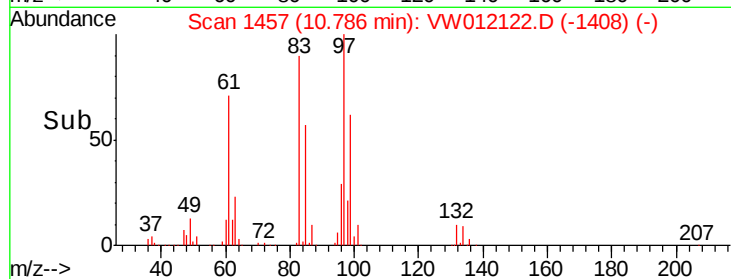
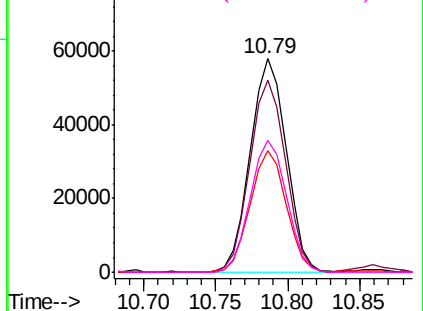
#55
 1,1,2-Trichloroethane
 Concen: 60.355 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	100568
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.5	105.7
85	57.1	45.8	68.6
99	61.7	51.0	76.4

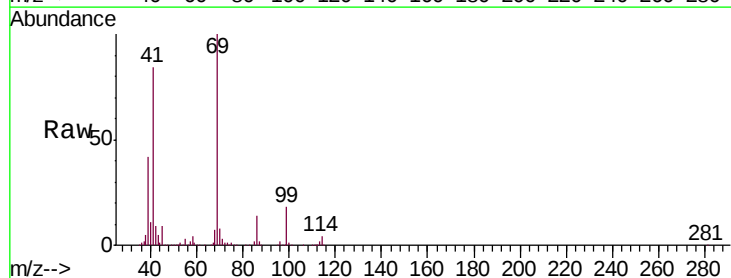


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

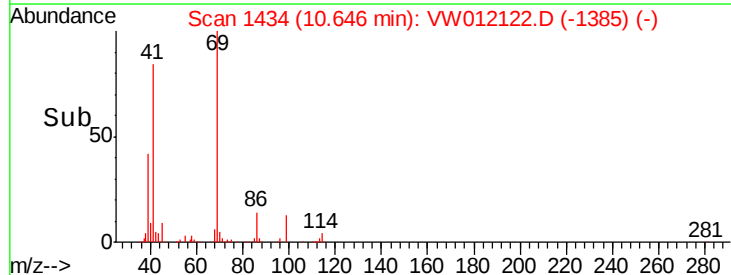
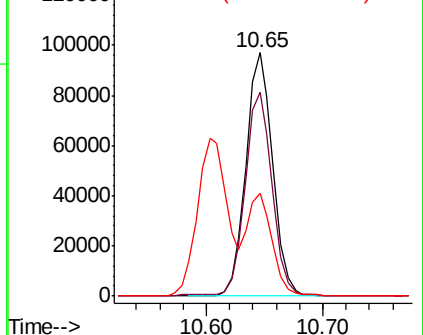


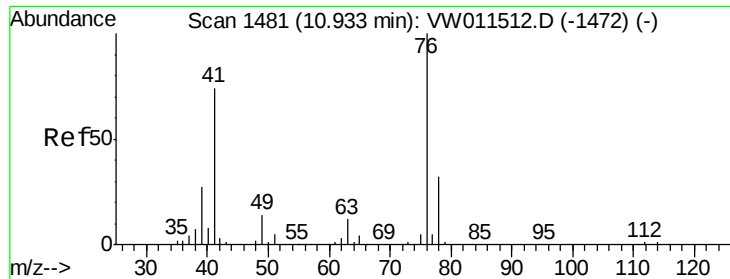
#56
 Ethyl methacrylate
 Concen: 63.852 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion:	69	Resp:	155690
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.6	99.8
39	39.3	30.3	45.5



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: 60.184 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

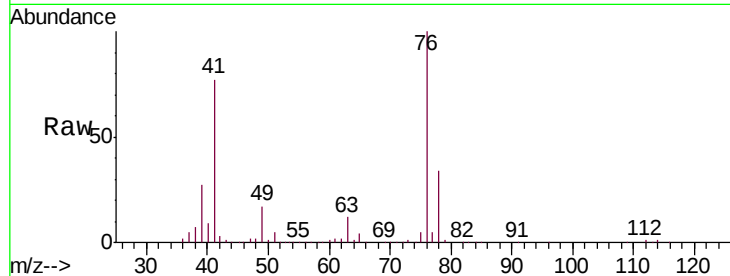
VSTDCCC050EC

Tgt Ion: 76 Resp: 189726

Ion Ratio Lower Upper

76 100

78 32.7 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

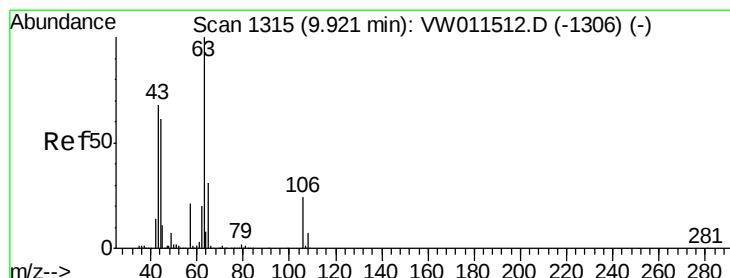
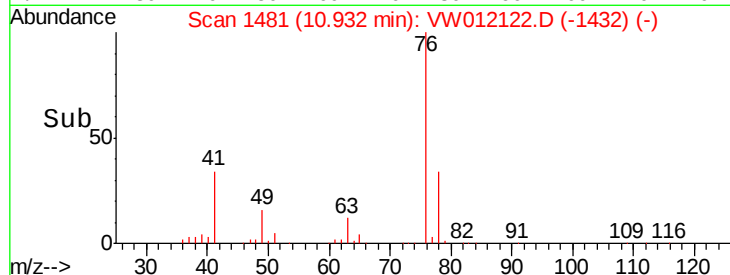
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 374.780 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012122.D

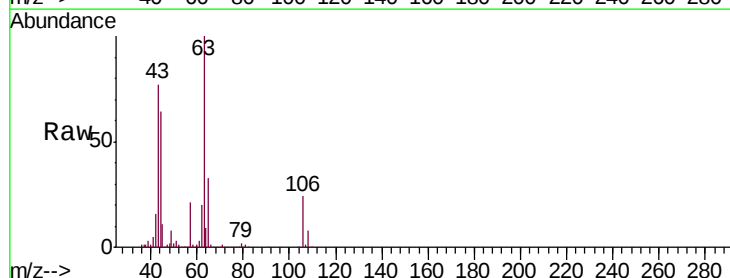
Acq: 22 Aug 2019 20:09

Tgt Ion: 63 Resp: 414914

Ion Ratio Lower Upper

63 100

106 24.6 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

250000

200000

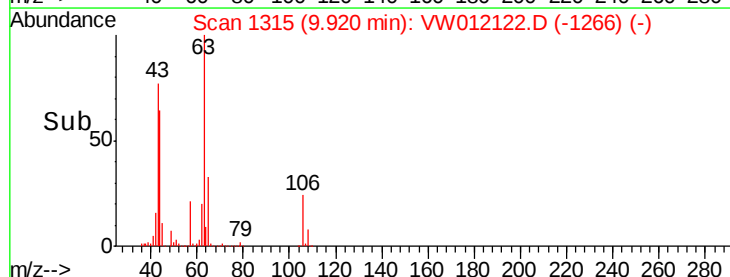
150000

100000

50000

0

Time--> 9.80 9.90 10.00

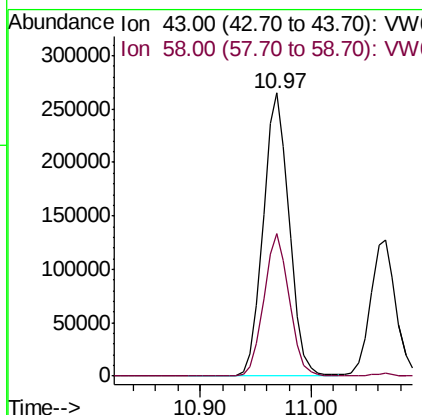
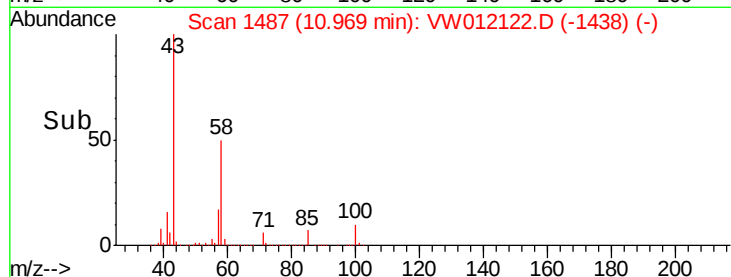
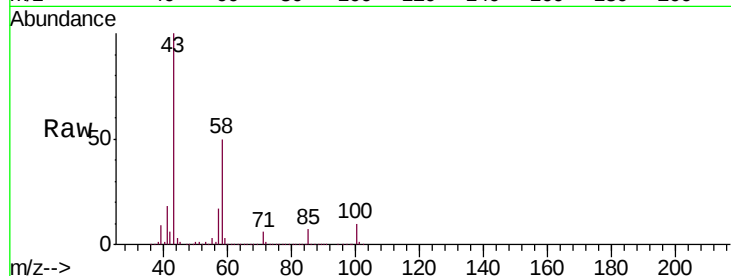




#59
2-Hexanone
Concen: 323.569 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

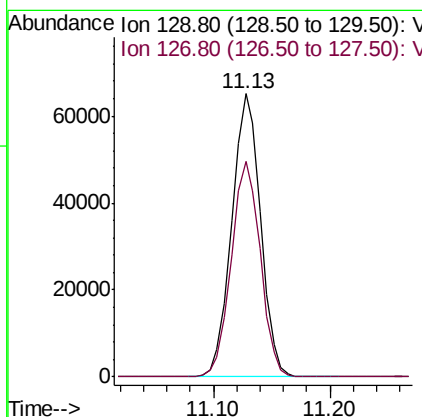
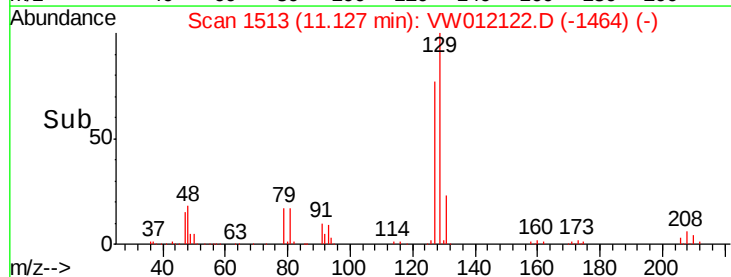
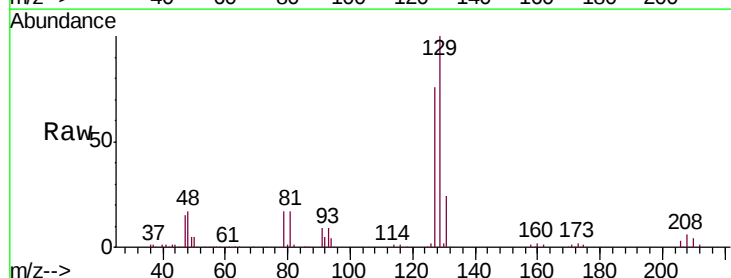
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

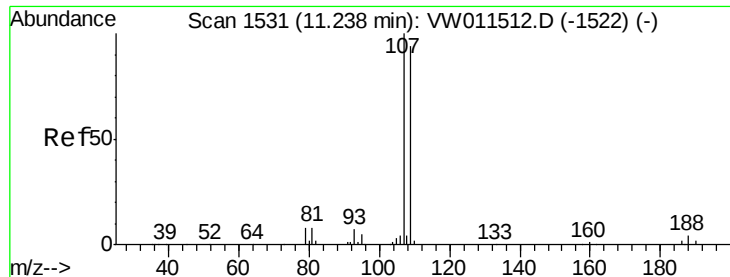
Tgt Ion: 43 Resp: 431667
Ion Ratio Lower Upper
43 100
58 49.3 24.3 72.9



#60
Dibromochloromethane
Concen: 60.517 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 129 Resp: 111933
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 60.716 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

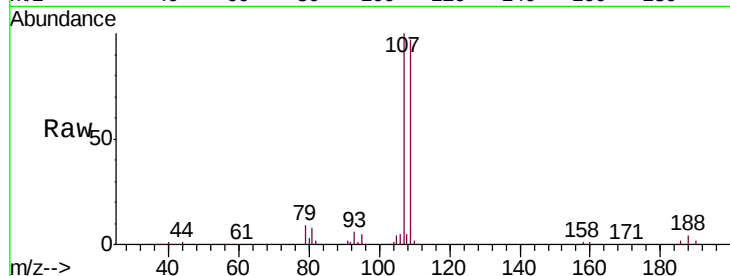
VSTDCCC050EC

Tgt Ion: 107 Resp: 95741

Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

50000

40000

30000

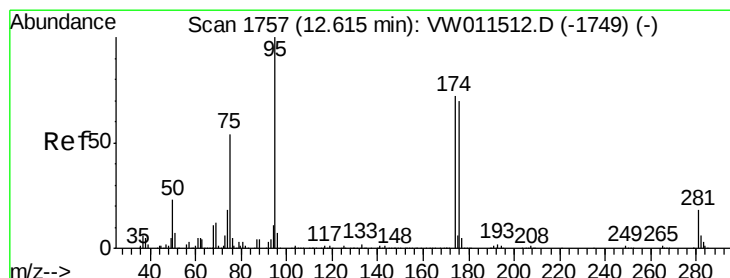
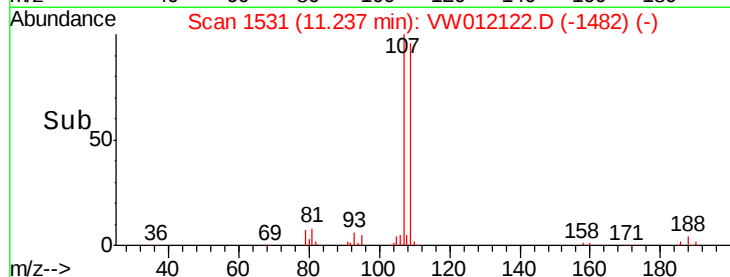
20000

10000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 56.578 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

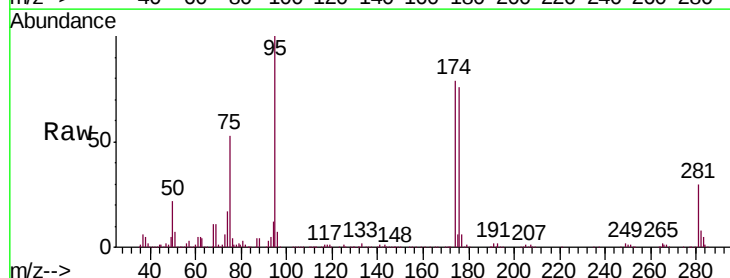
Tgt Ion: 95 Resp: 152977

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

176 73.6 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

60000

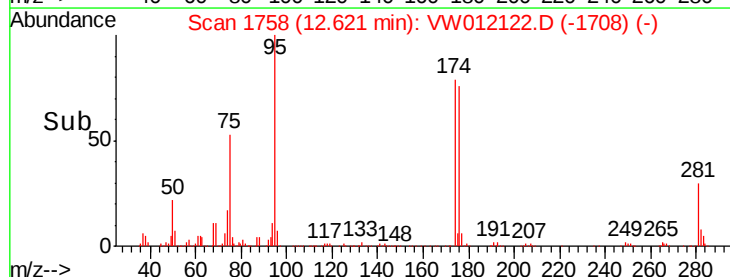
40000

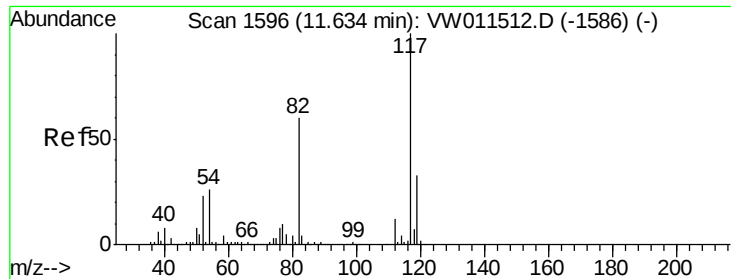
20000

0

Time-->

12.60 12.70

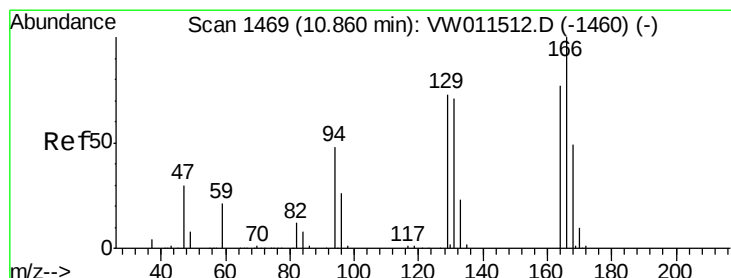
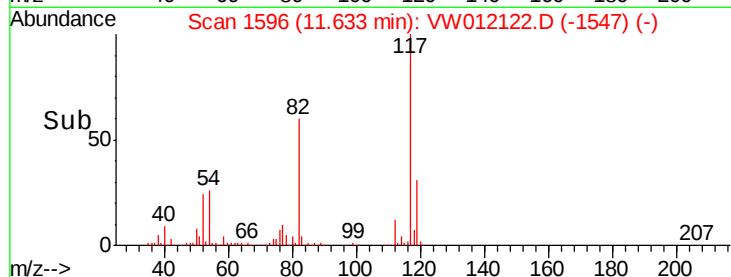
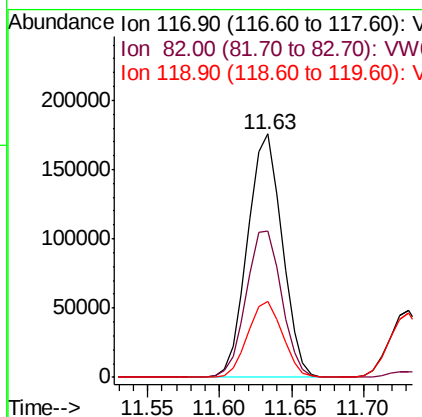
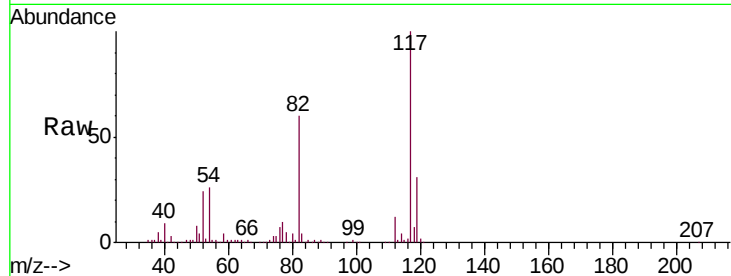




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

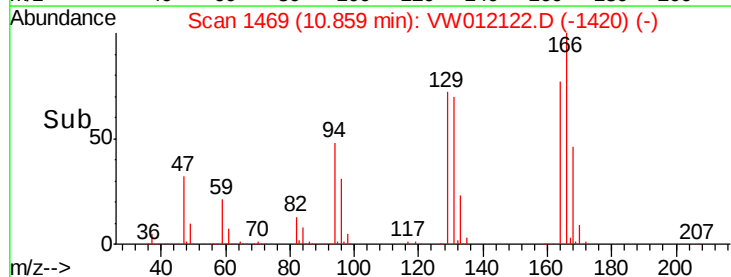
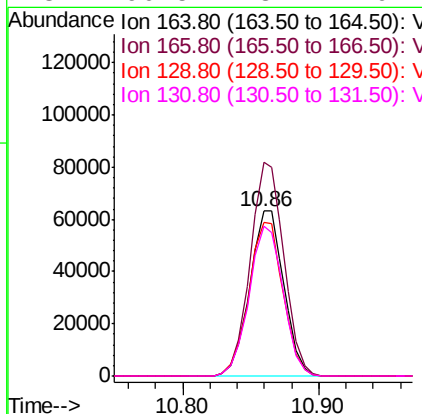
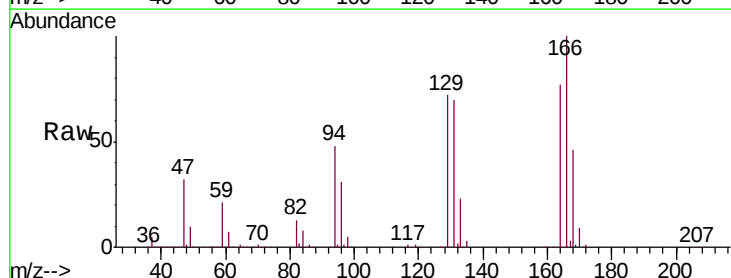
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

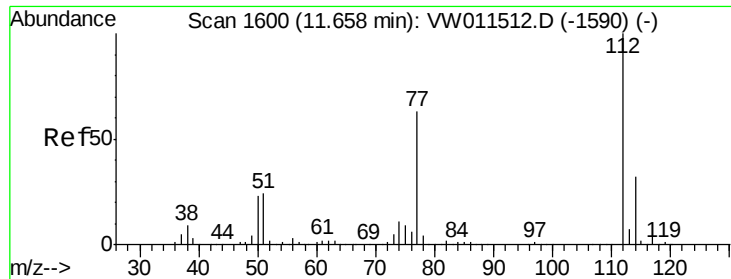
Tgt Ion:117 Resp: 292477
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 31.1 26.2 39.2



#64
Tetrachloroethene
Concen: 58.393 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion:164 Resp: 111200
Ion Ratio Lower Upper
164 100
166 129.4 103.5 155.3
129 93.4 75.2 112.8
131 90.5 73.4 110.2

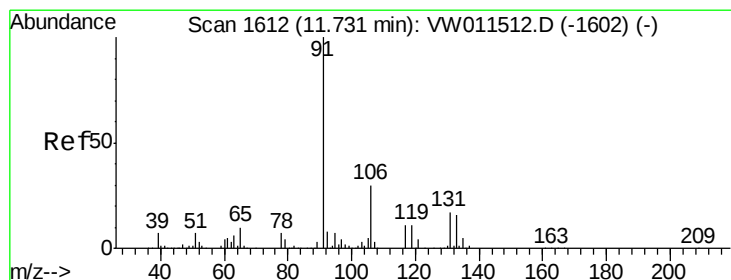
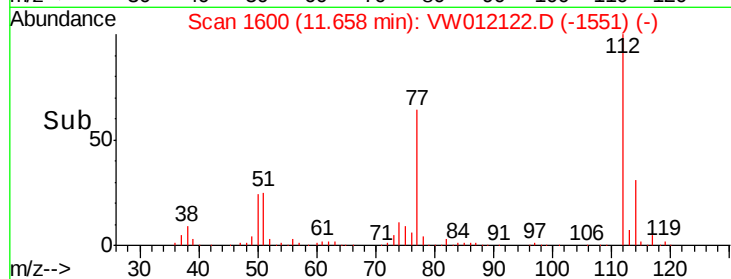
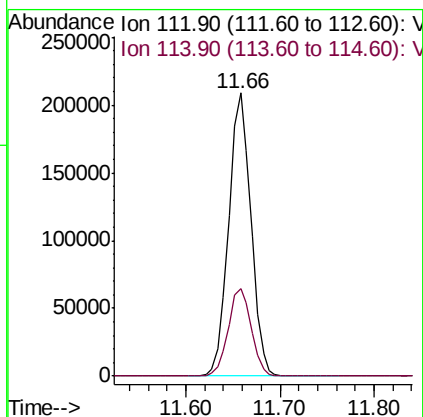
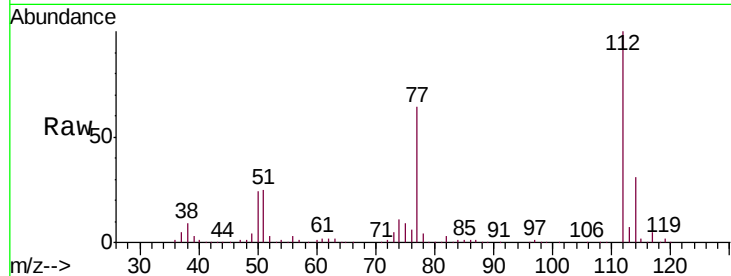




#65
Chlorobenzene
Concen: 58.185 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

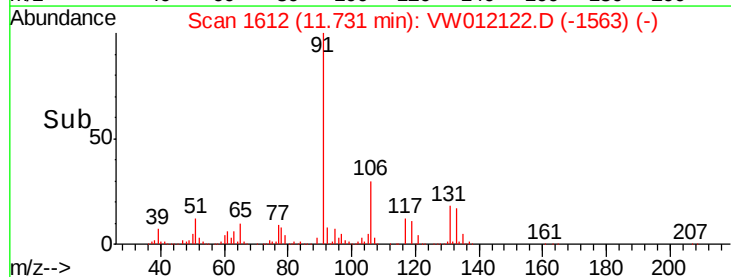
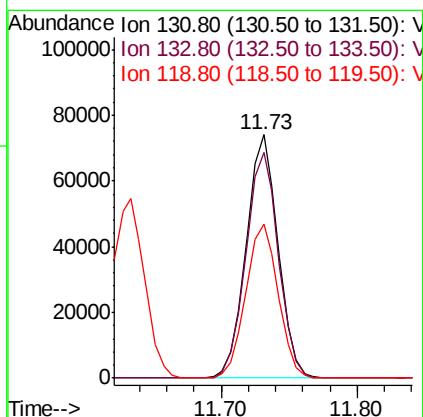
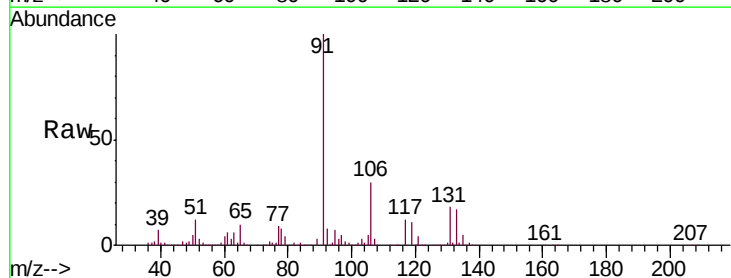
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

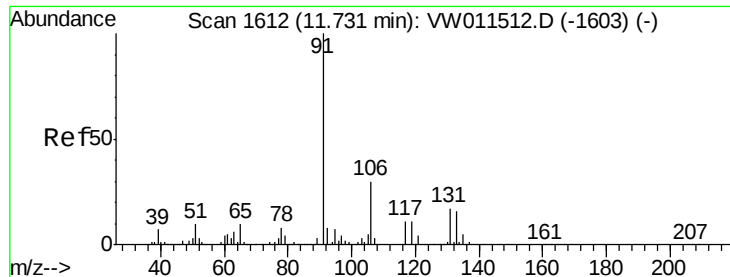
Tgt Ion:112 Resp: 342139
Ion Ratio Lower Upper
112 100
114 31.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 59.184 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion:131 Resp: 121221
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.2
119 64.6 32.3 96.9

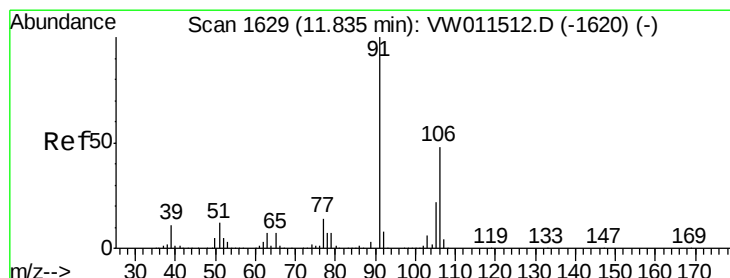
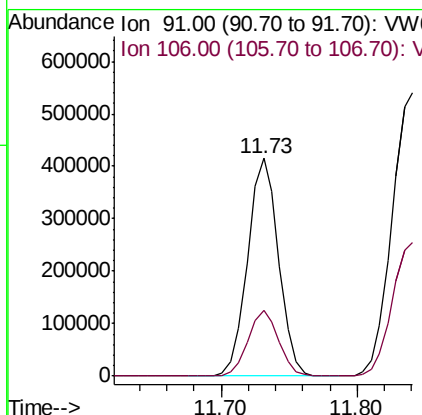
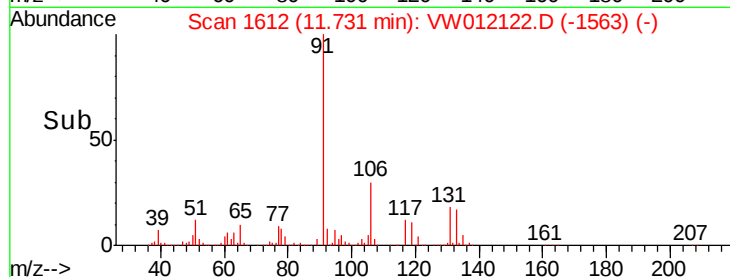
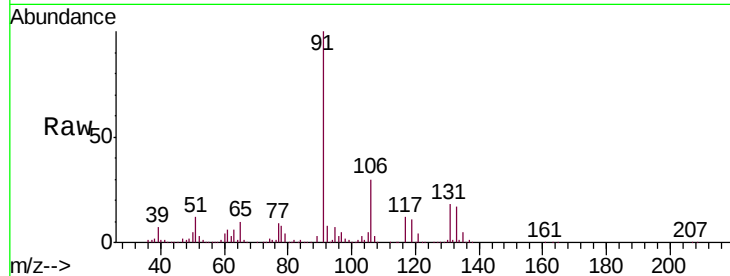




#67
Ethyl Benzene
Concen: 58.992 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

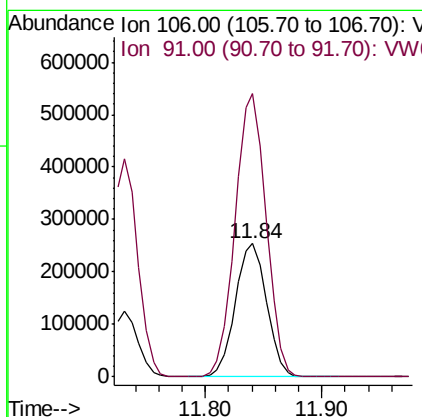
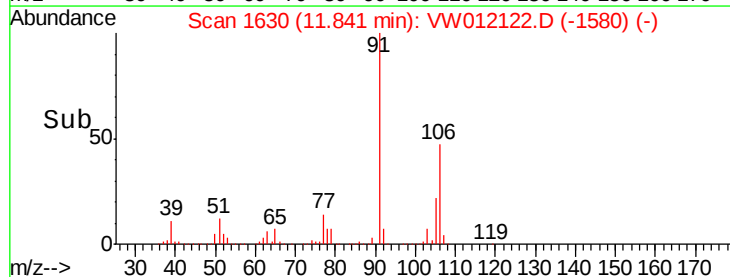
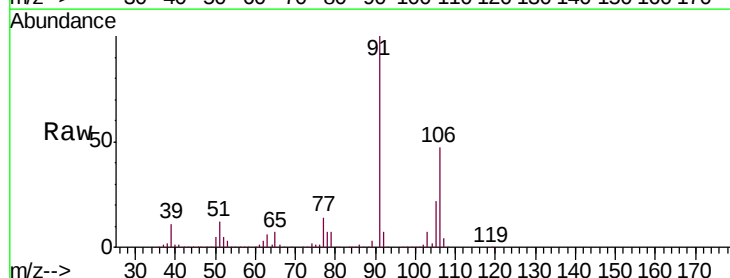
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

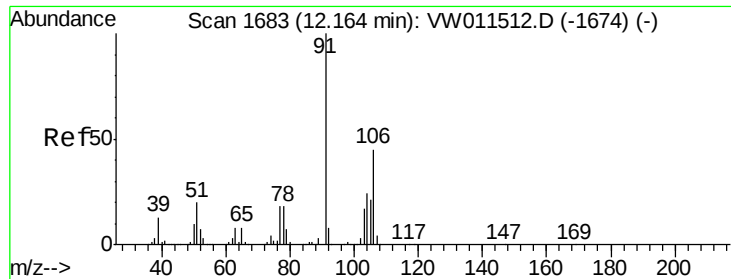
Tgt Ion: 91 Resp: 660655
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6



#68
m/p-Xylenes
Concen: 116.568 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 106 Resp: 474750
Ion Ratio Lower Upper
106 100
91 211.4 168.2 252.2

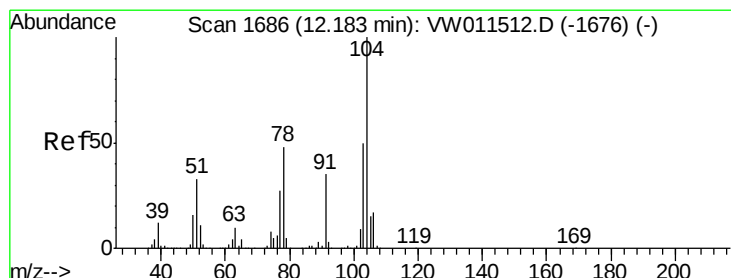
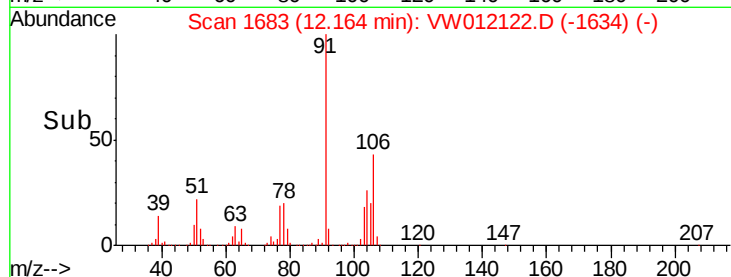
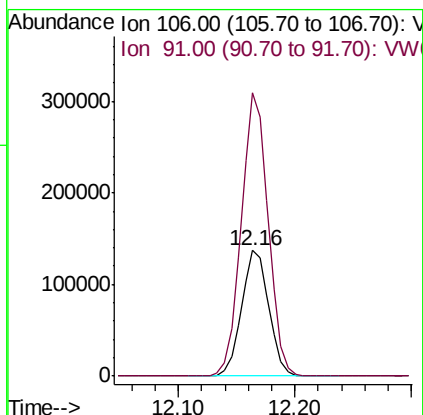
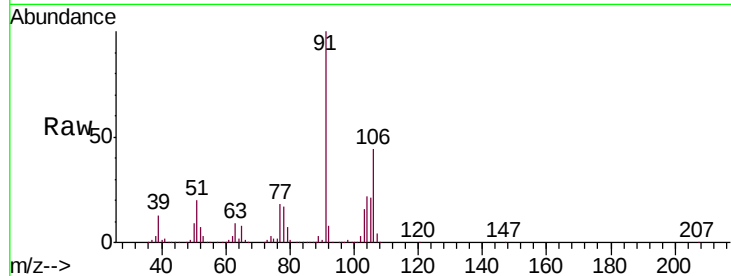




#69
o-Xylene
Concen: 58.769 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

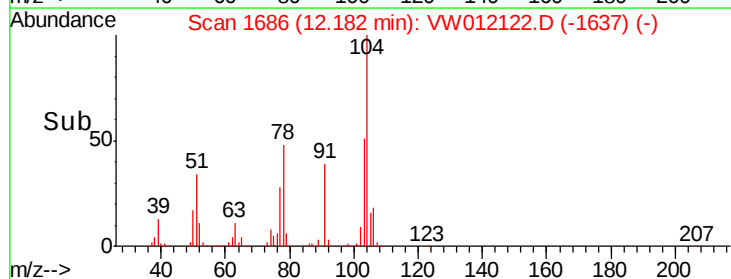
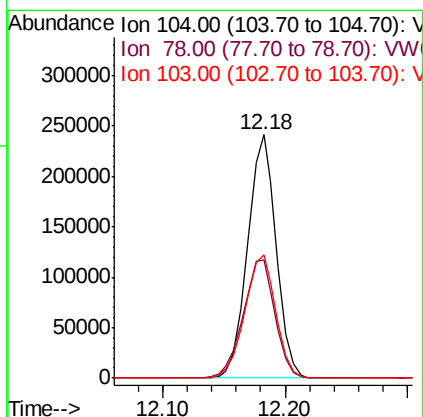
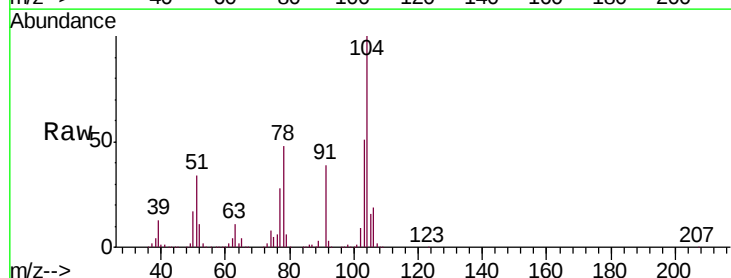
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 222421
Ion Ratio Lower Upper
106 100
91 223.2 110.5 331.5



#70
Styrene
Concen: 59.773 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion:104 Resp: 391136
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.0
103 54.8 43.9 65.9





#71

Bromoform

Concen: 61.925 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

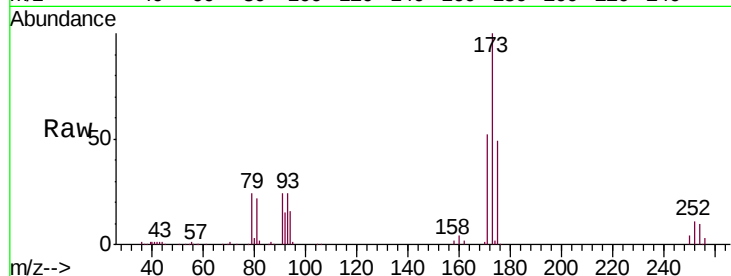
Tgt Ion:173 Resp: 64668

Ion Ratio Lower Upper

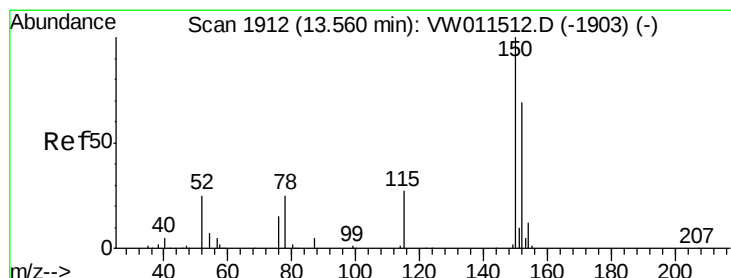
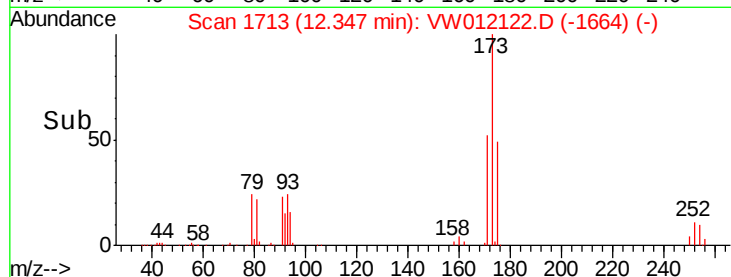
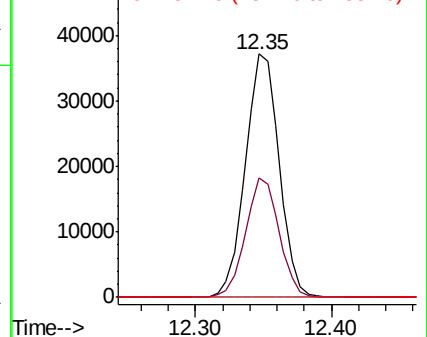
173 100

175 48.5 23.6 71.0

254 0.1 0.1 0.1#



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: VW012122.D

Acq: 22 Aug 2019 20:09

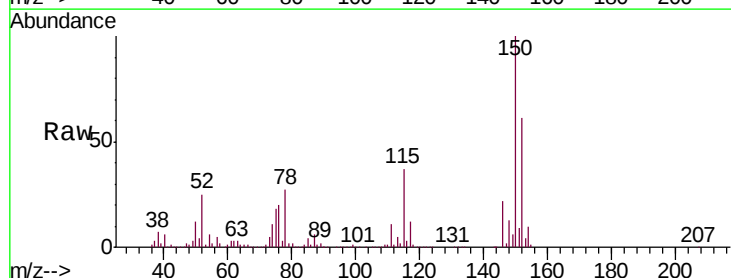
Tgt Ion:152 Resp: 143735

Ion Ratio Lower Upper

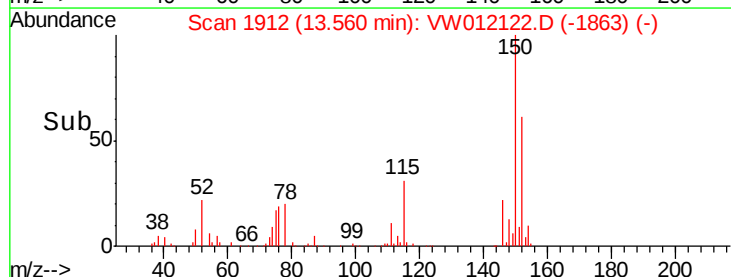
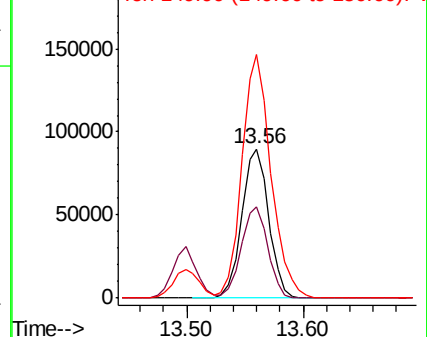
152 100

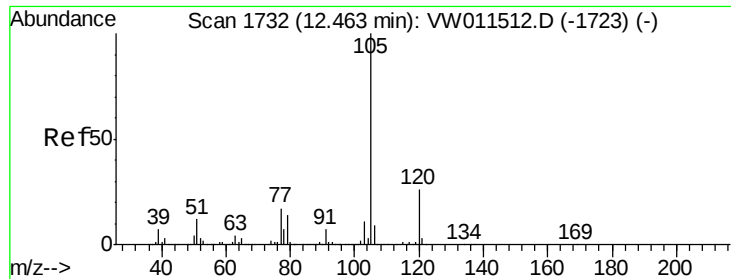
115 61.1 30.5 91.5

150 176.9 0.0 352.6



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: 58.596 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

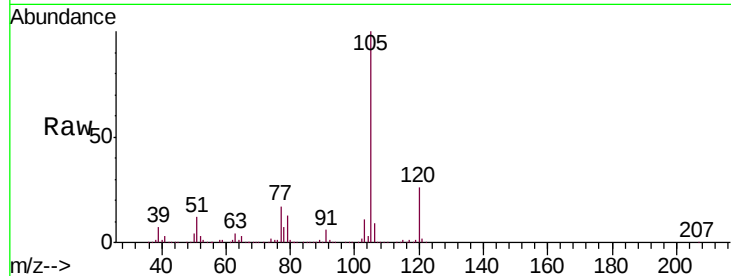
VSTDCCC050EC

Tgt Ion:105 Resp: 628319

Ion Ratio Lower Upper

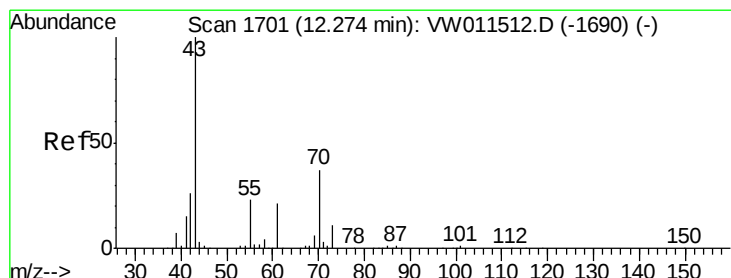
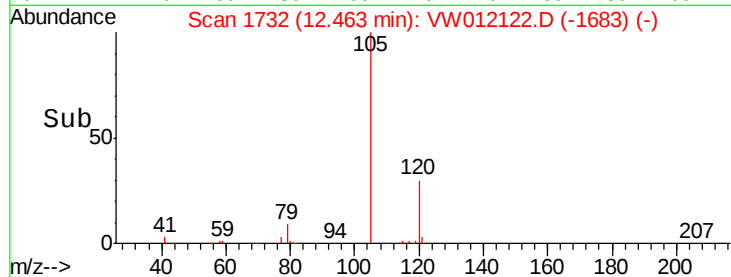
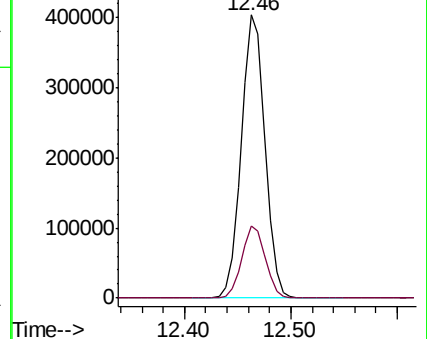
105 100

120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 64.728 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Tgt Ion: 43 Resp: 217299

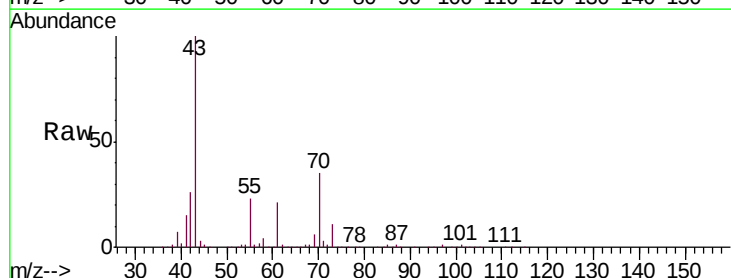
Ion Ratio Lower Upper

43 100

70 35.7 28.6 43.0

55 22.8 17.8 26.8

61 21.8 17.0 25.6

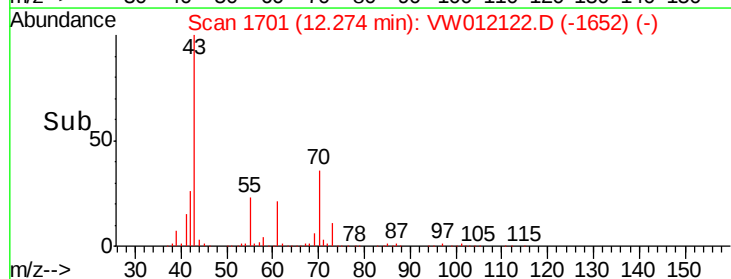
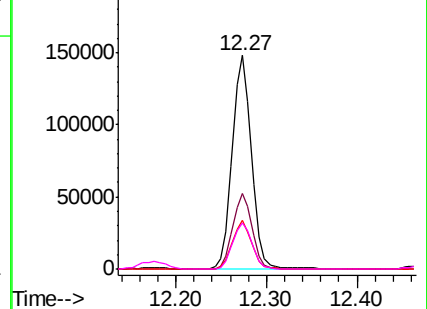


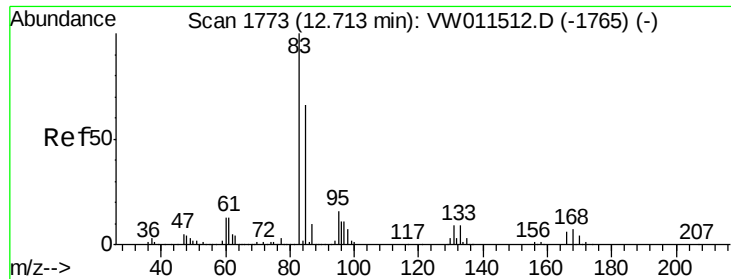
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 62.344 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

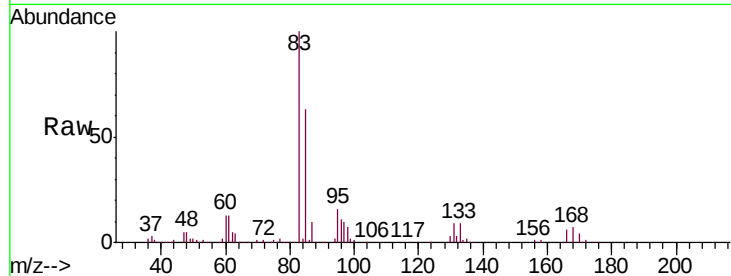
Tgt Ion: 83 Resp: 125746

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

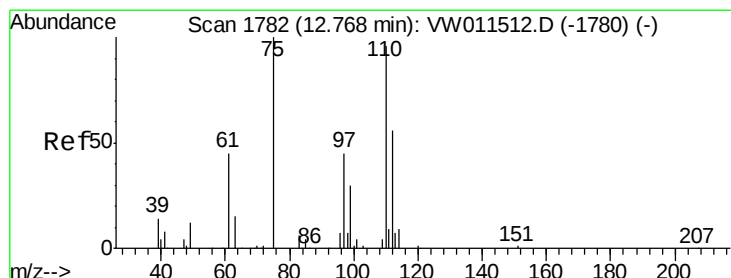
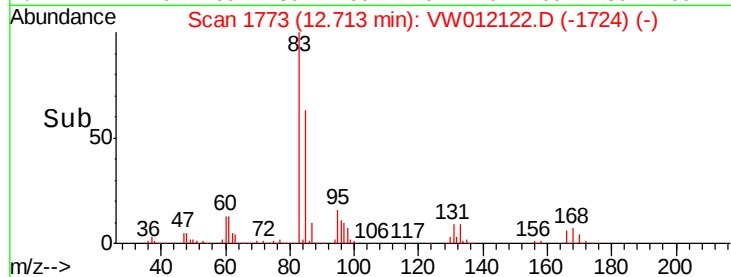
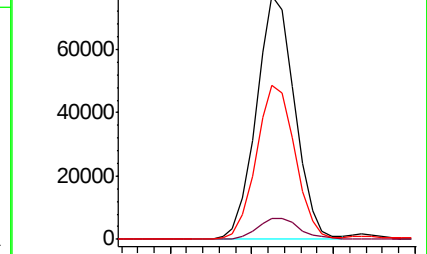
85 63.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 108.863 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012122.D

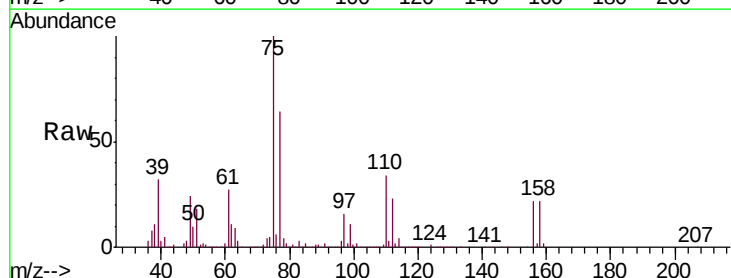
Acq: 22 Aug 2019 20:09

Tgt Ion: 75 Resp: 165568

Ion Ratio Lower Upper

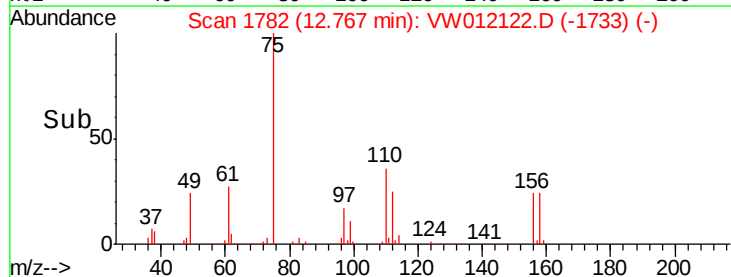
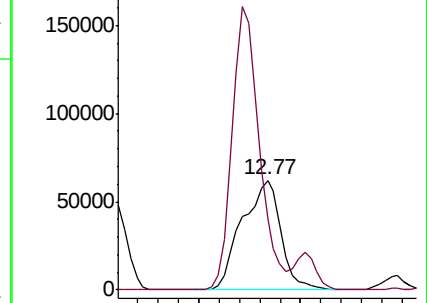
75 100

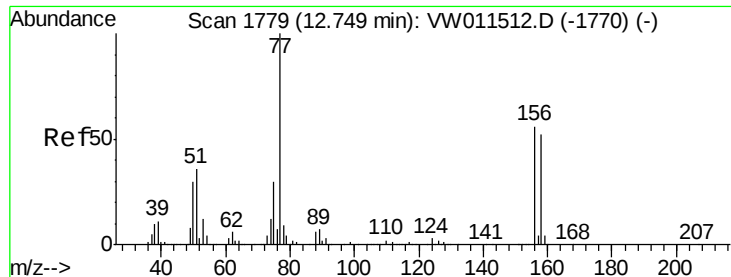
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.911 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

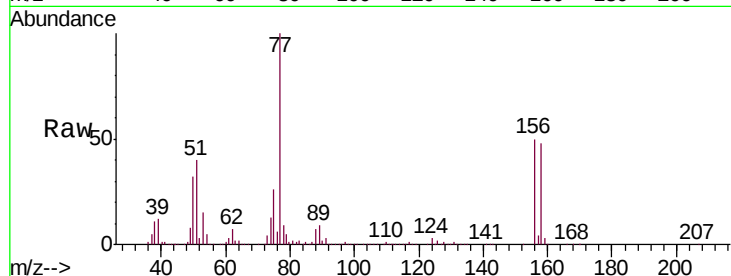
Tgt Ion:156 Resp: 137256

Ion Ratio Lower Upper

156 100

77 216.0 106.5 319.4

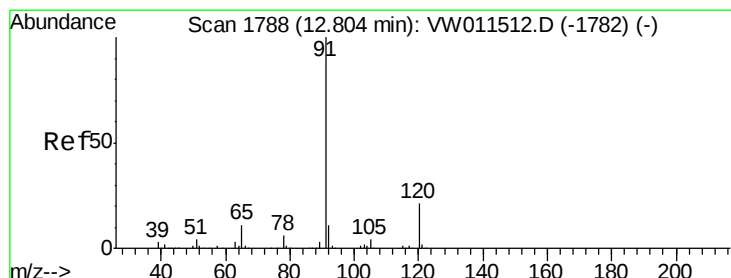
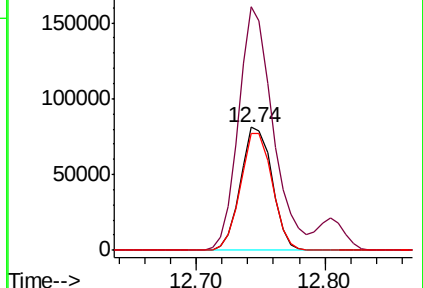
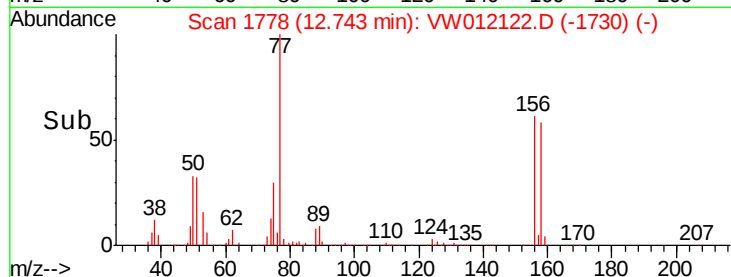
158 96.3 48.0 144.2



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: 58.900 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012122.D

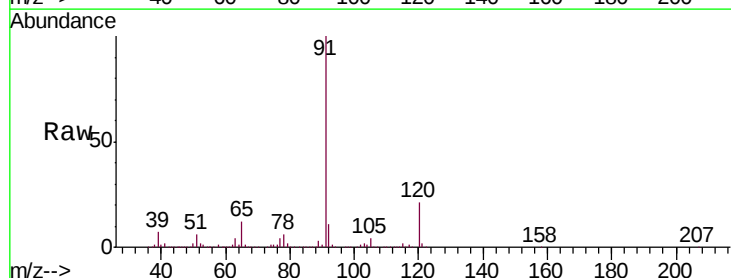
Acq: 22 Aug 2019 20:09

Tgt Ion: 91 Resp: 768636

Ion Ratio Lower Upper

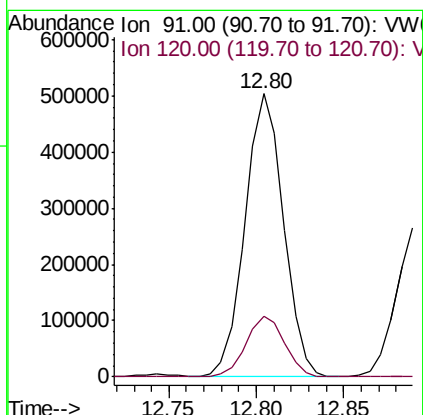
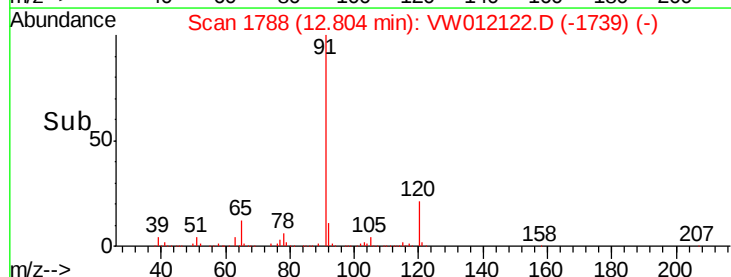
91 100

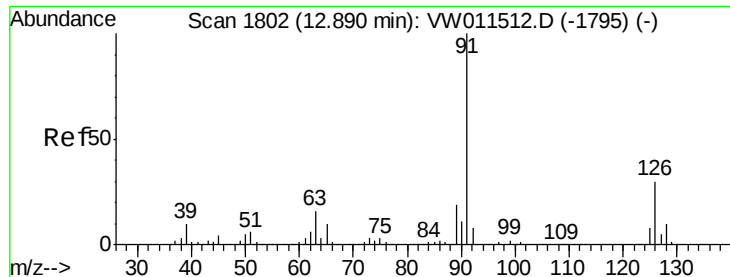
120 21.4 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

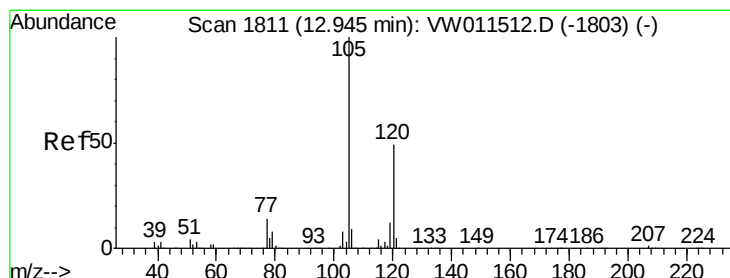
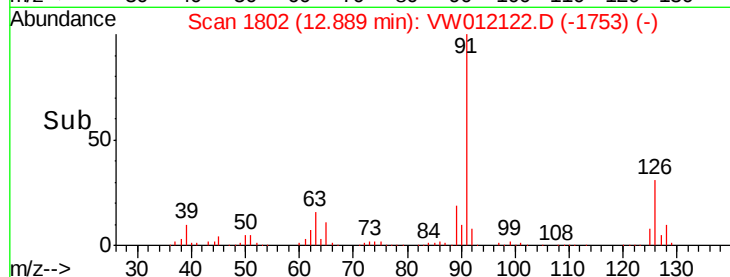
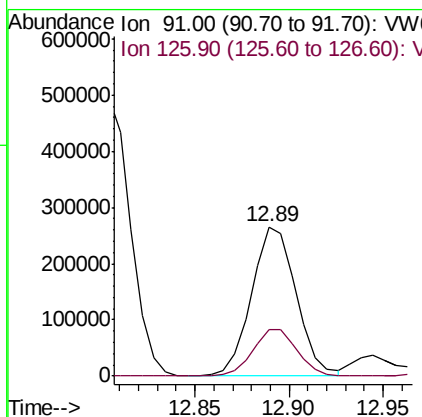
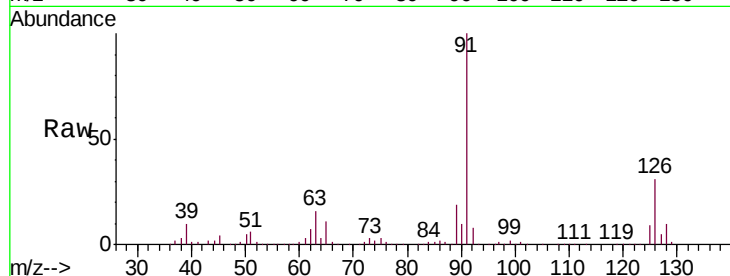




#79
 2-Chlorotoluene
 Concen: 58.011 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

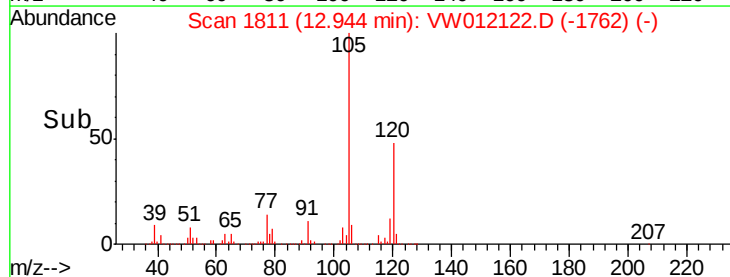
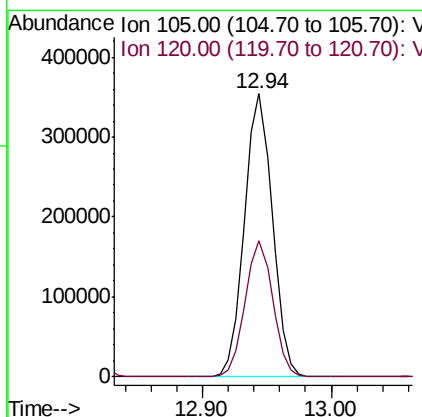
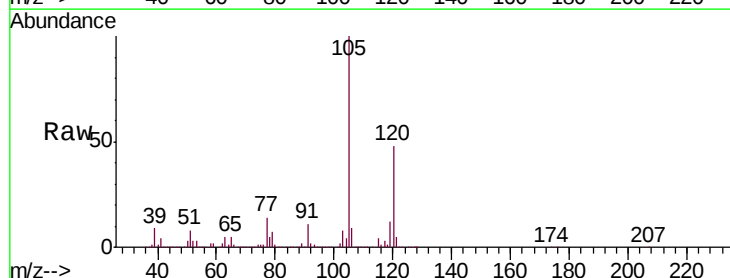
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

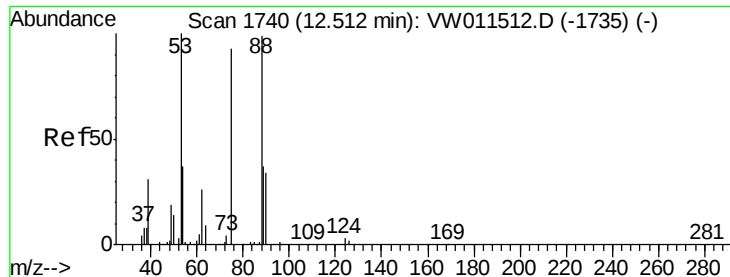
Tgt Ion: 91 Resp: 436134
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 58.871 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 105 Resp: 529161
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 60.311 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

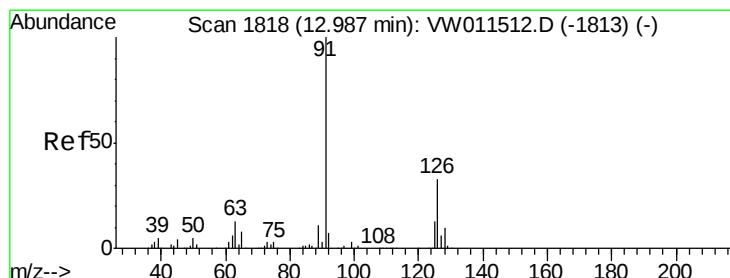
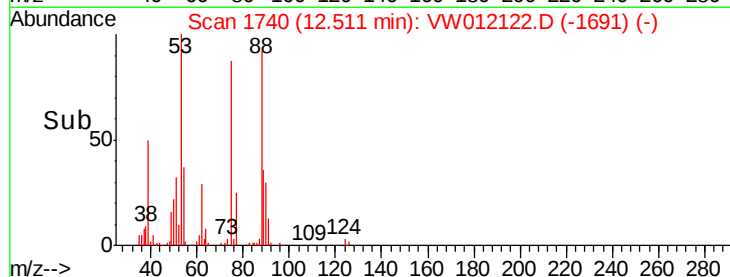
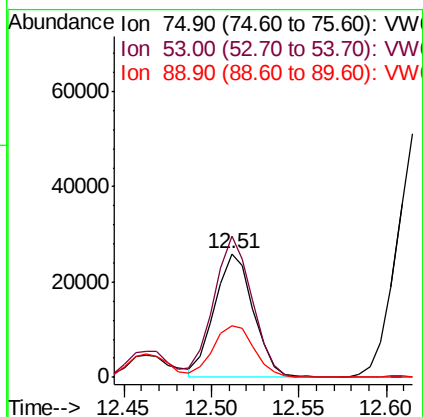
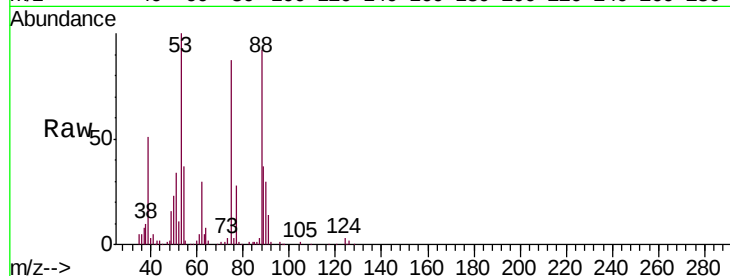
Tgt Ion: 75 Resp: 39800

Ion Ratio Lower Upper

75 100

53 115.0 88.0 132.0

89 44.3 35.3 52.9



#82

4-Chlorotoluene

Concen: 56.541 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012122.D

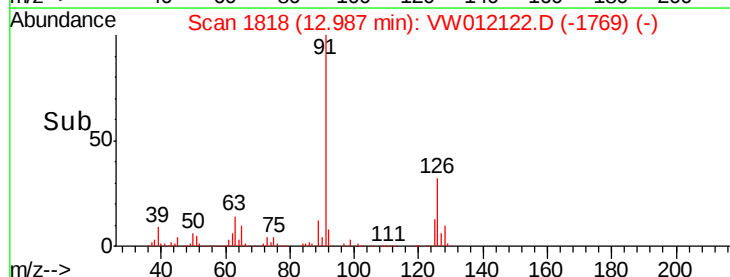
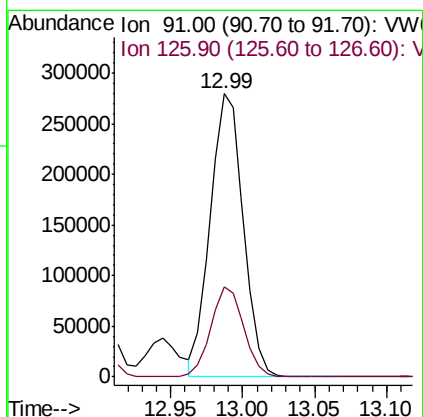
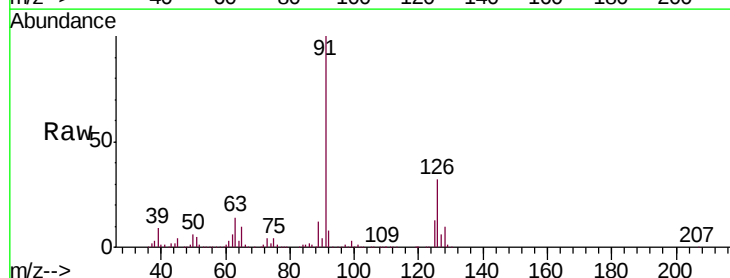
Acq: 22 Aug 2019 20:09

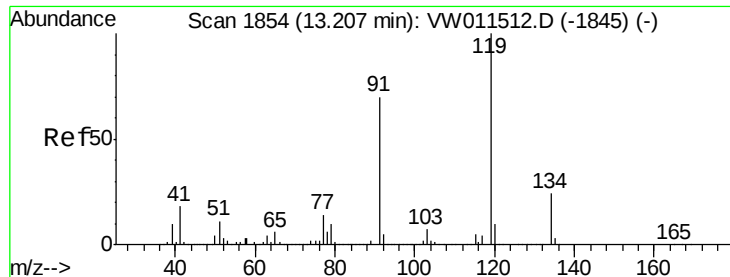
Tgt Ion: 91 Resp: 445995

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8

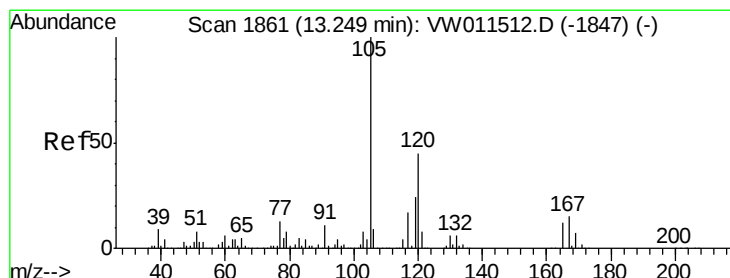
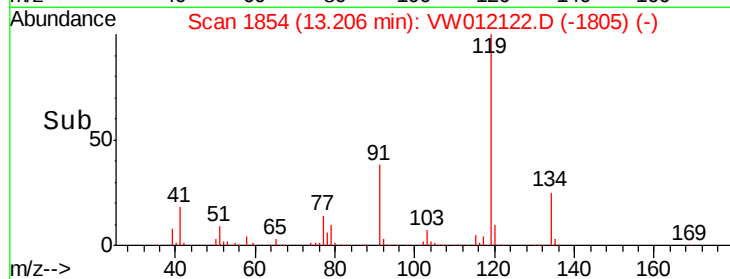
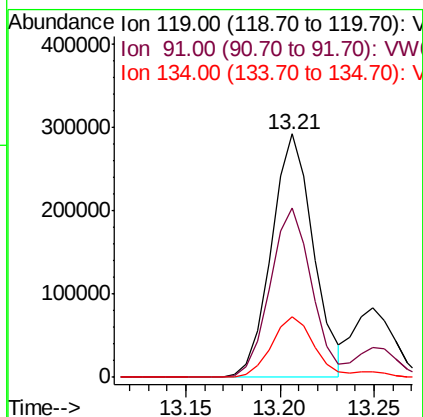
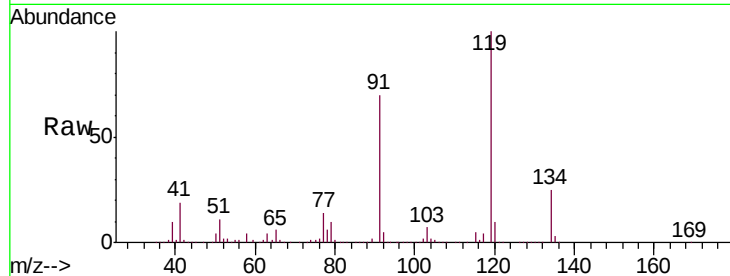




#83
 tert-Butylbenzene
 Concen: 59.929 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

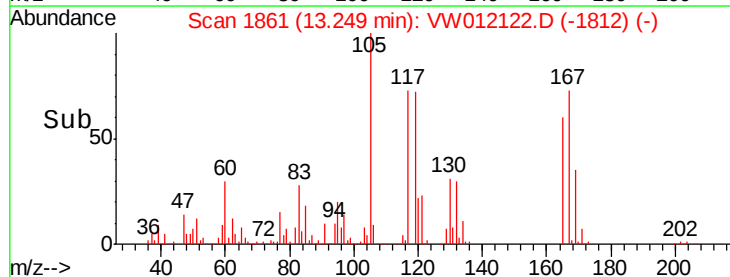
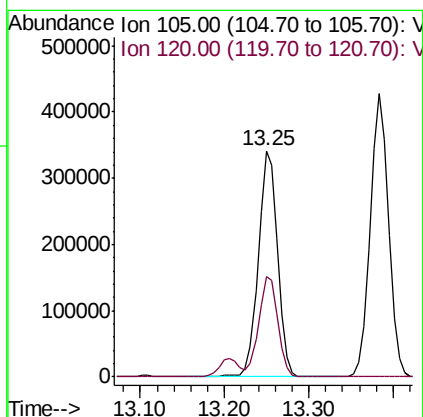
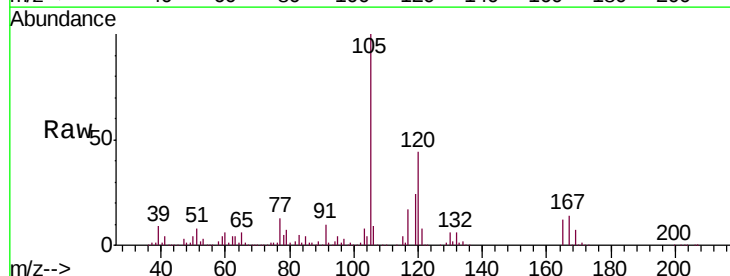
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

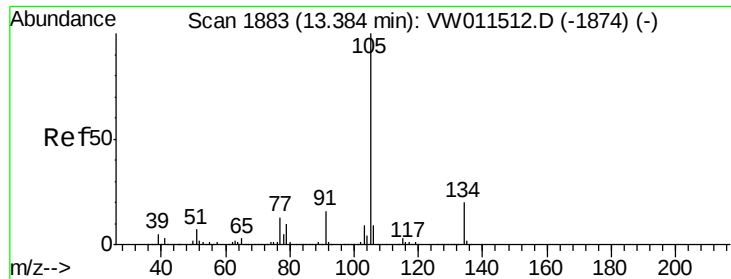
Tgt Ion:119 Resp: 450466
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.5 103.6
 134 25.1 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 58.821 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion:105 Resp: 532608
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

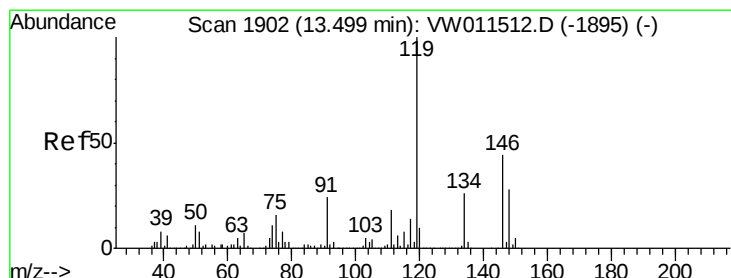
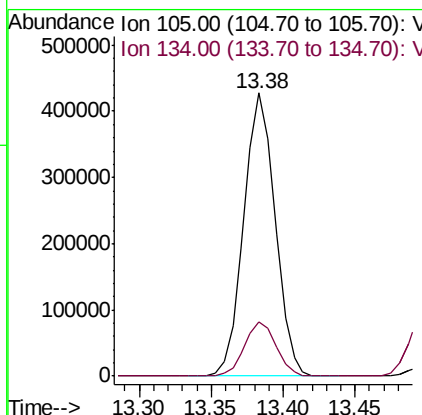
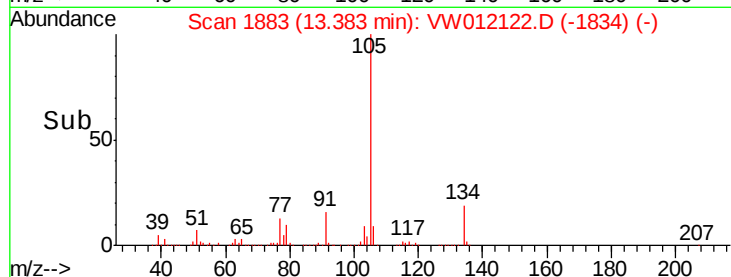
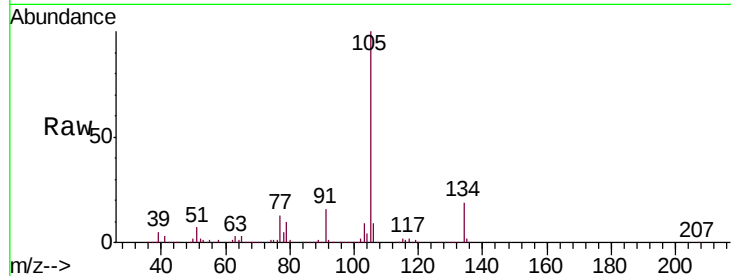




#85
 sec-Butylbenzene
 Concen: 60.132 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

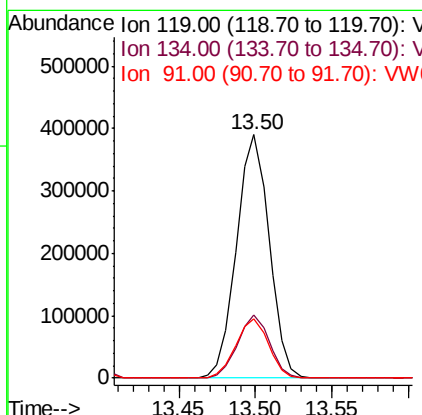
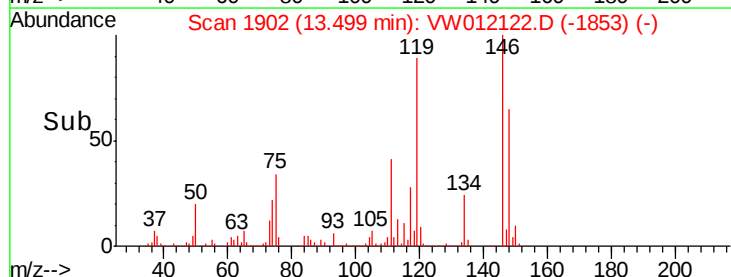
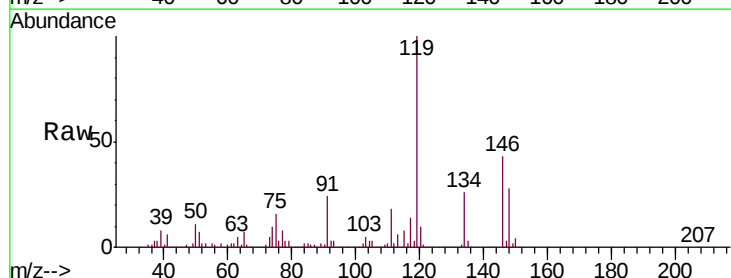
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

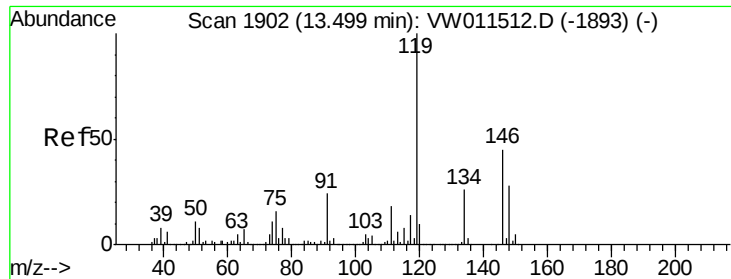
Tgt Ion:105 Resp: 644926
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 59.452 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion:119 Resp: 578540
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.5 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 57.641 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

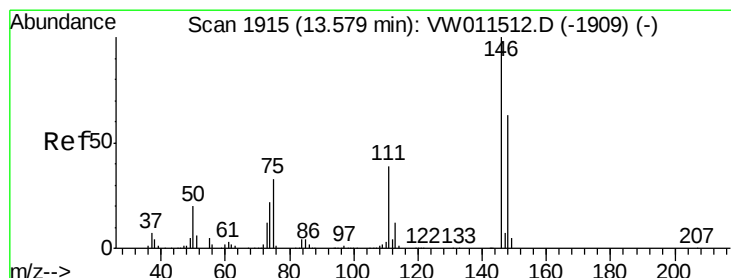
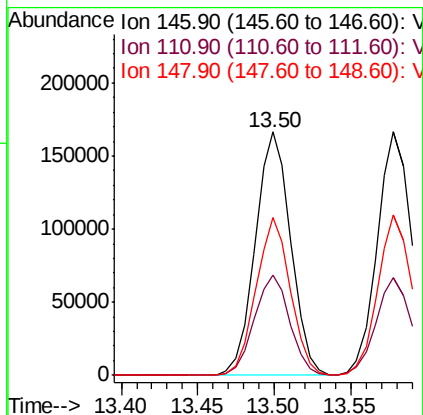
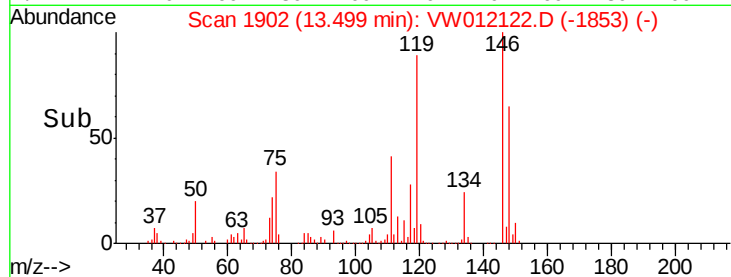
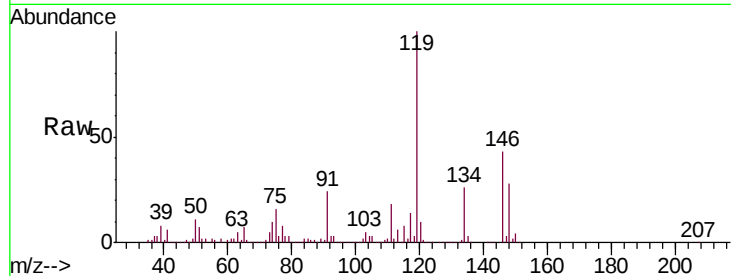
Tgt Ion:146 Resp: 267871

Ion Ratio Lower Upper

146 100

111 41.0 20.5 61.6

148 63.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 56.492 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

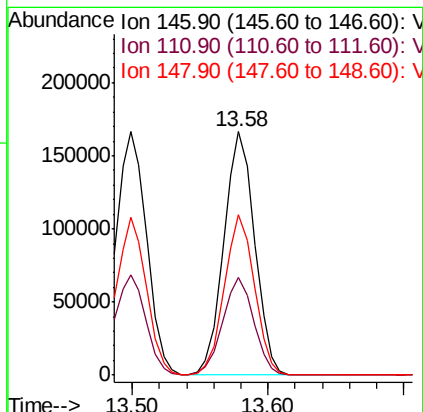
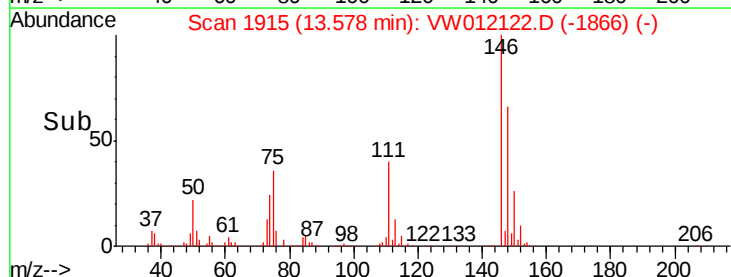
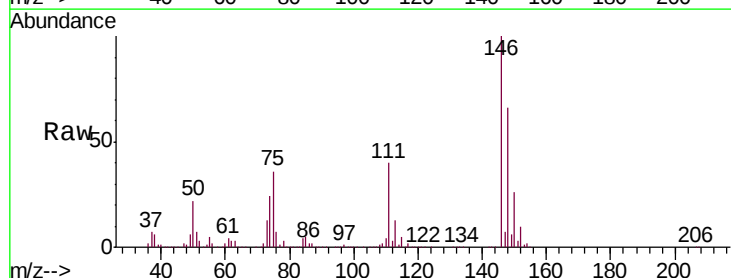
Tgt Ion:146 Resp: 261159

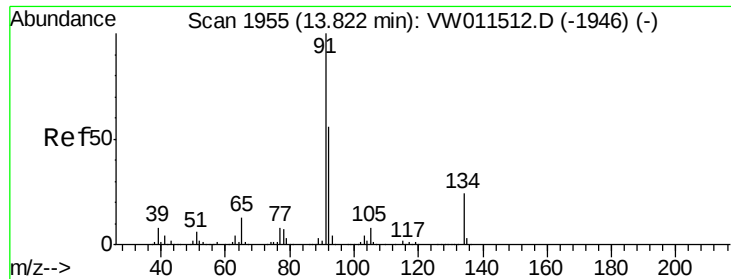
Ion Ratio Lower Upper

146 100

111 40.4 20.1 60.2

148 64.5 31.9 95.9

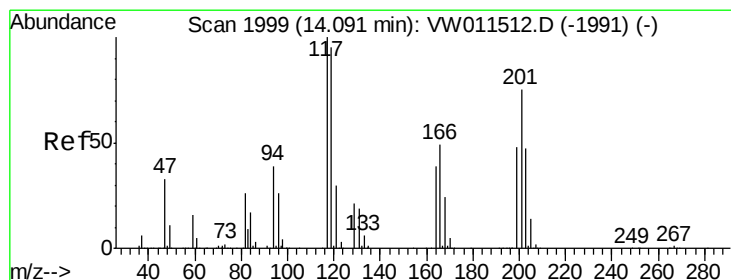
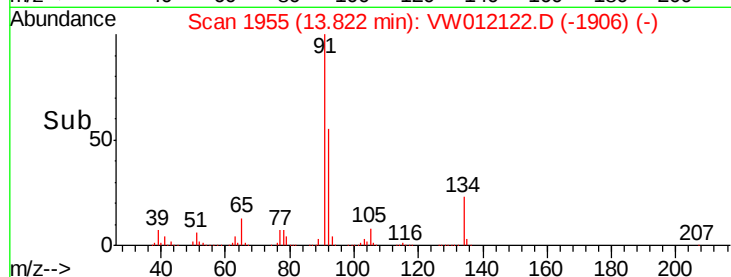
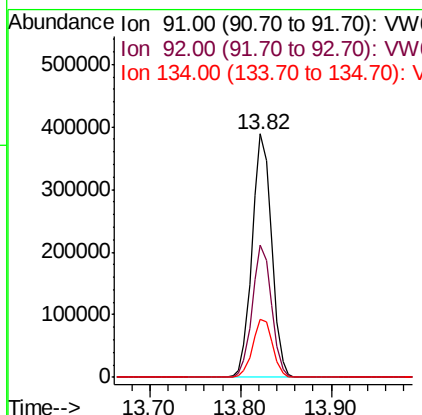
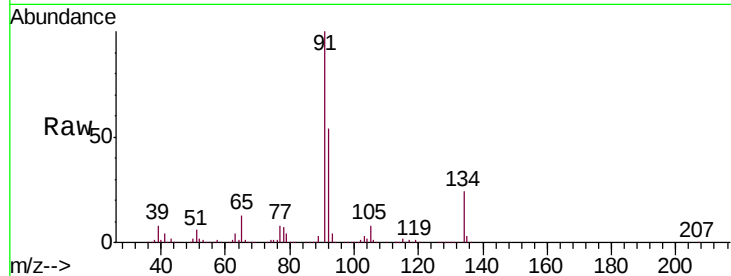




#89
n-Butylbenzene
Concen: 59.542 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

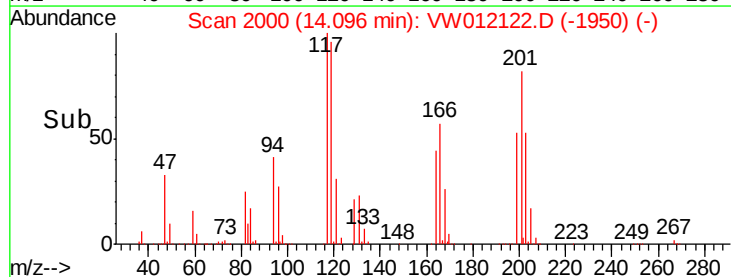
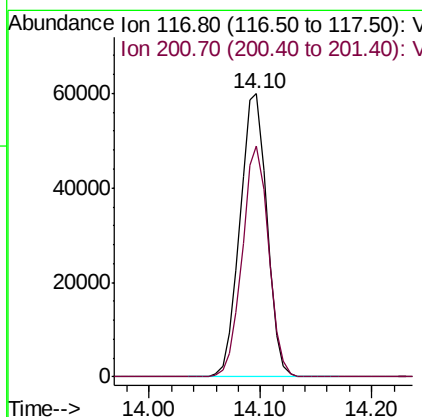
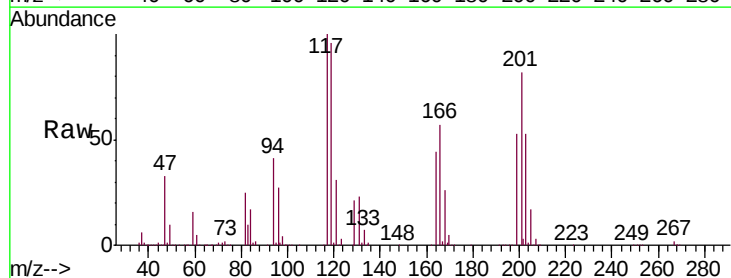
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

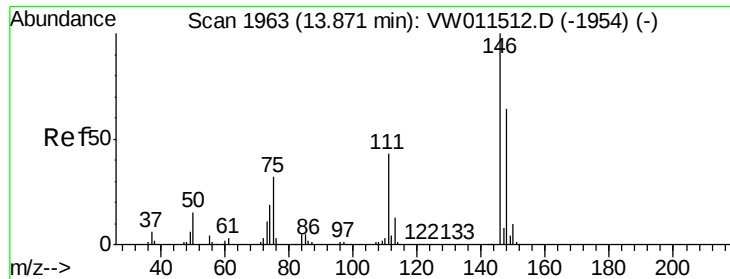
Tgt Ion: 91 Resp: 578223
Ion Ratio Lower Upper
91 100
92 53.7 27.5 82.4
134 24.4 12.2 36.6



#90
Hexachloroethane
Concen: 58.585 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW012122.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 117 Resp: 100810
Ion Ratio Lower Upper
117 100
201 79.5 39.4 118.2

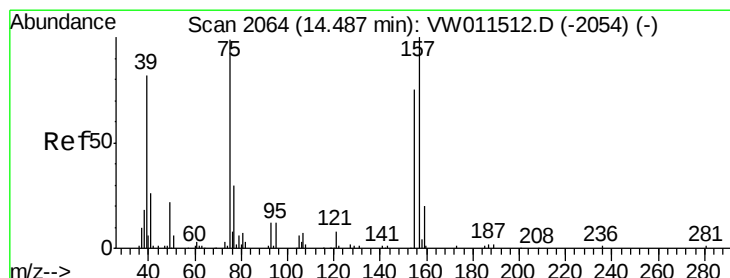
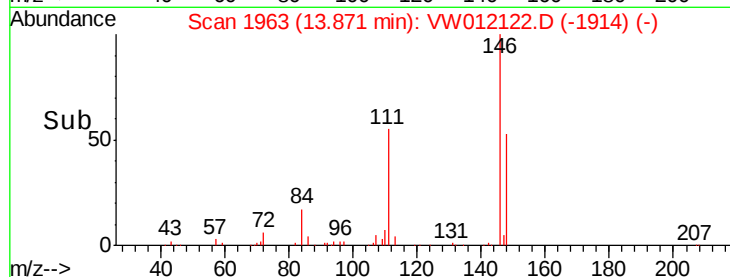
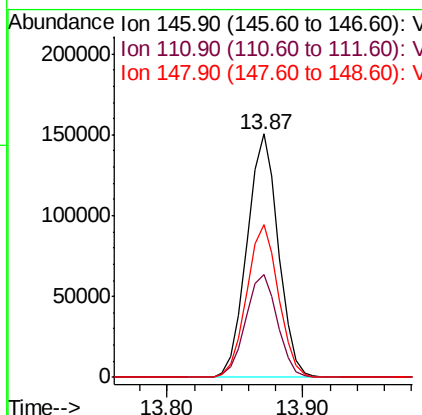
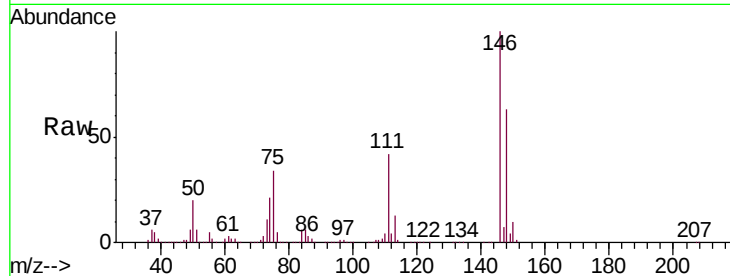




#91
 1,2-Dichlorobenzene
 Concen: 59.115 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

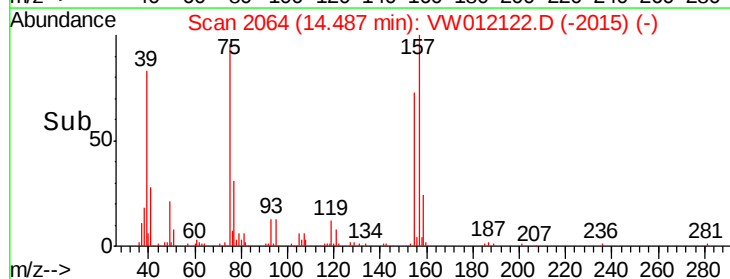
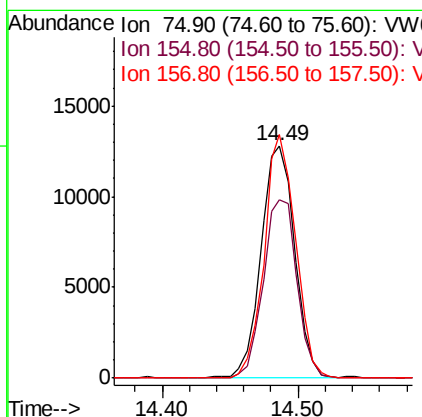
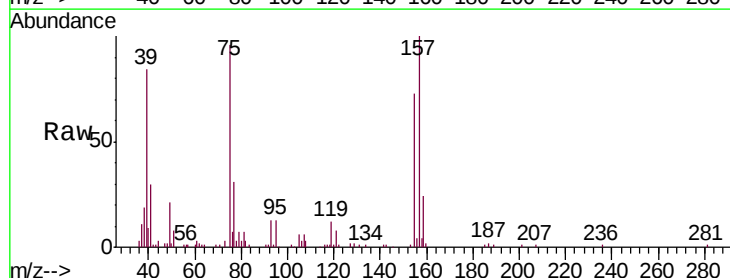
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

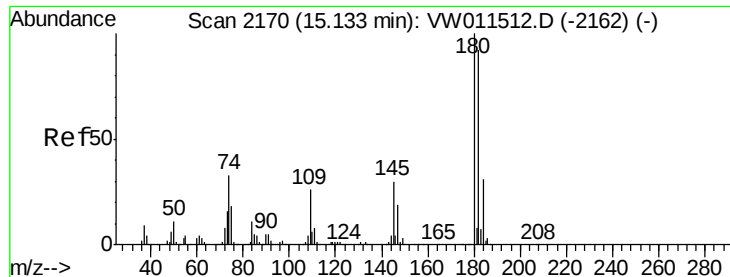
Tgt Ion: 146 Resp: 242980
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.6 65.0
 148 63.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.719 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 75 Resp: 22260
 Ion Ratio Lower Upper
 75 100
 155 76.8 38.2 114.6
 157 97.2 48.9 146.7

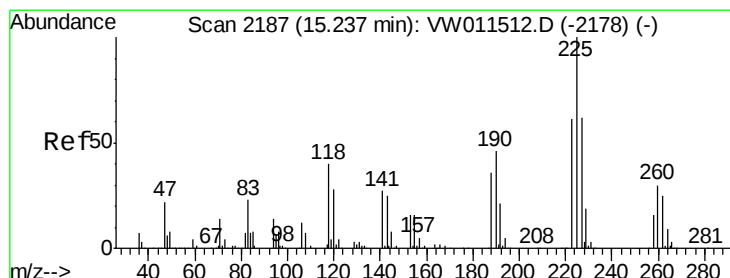
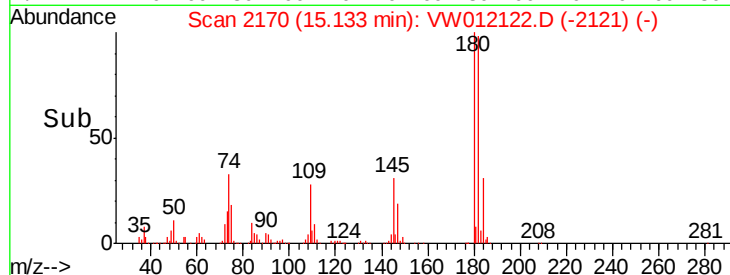
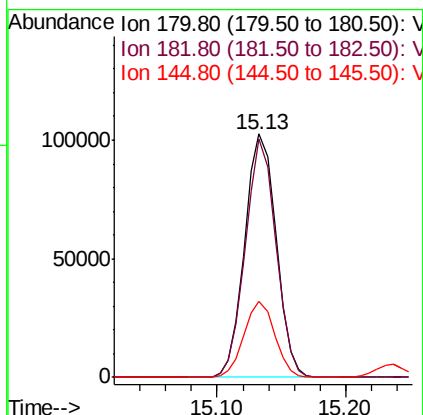
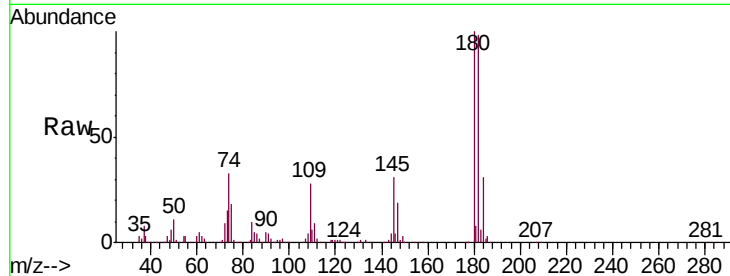




#93
 1,2,4-Trichlorobenzene
 Concen: 59.769 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

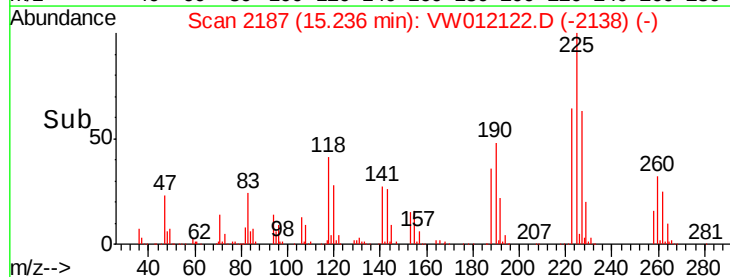
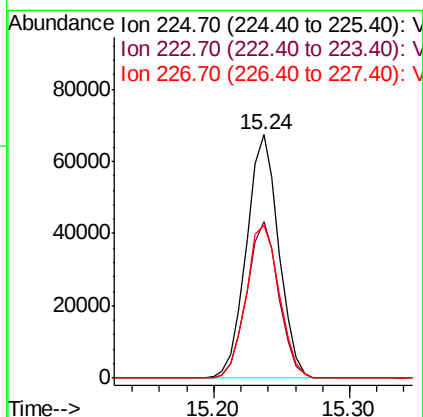
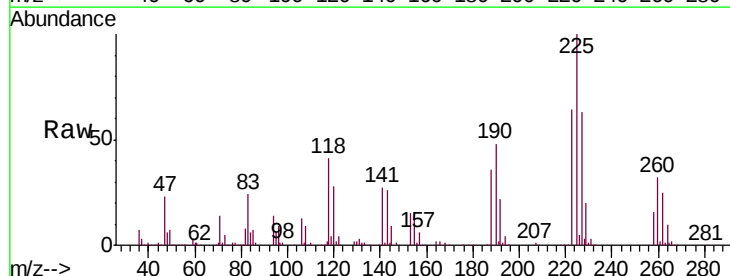
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

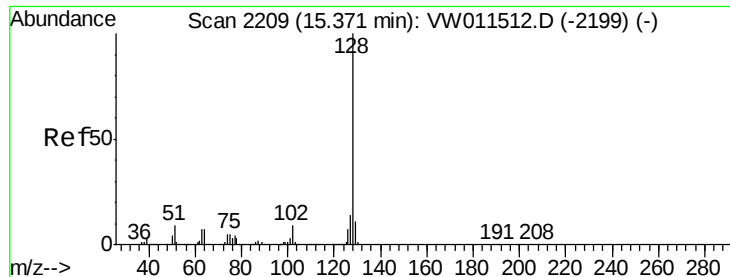
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	30.3	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 62.025 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012122.D
 Acq: 22 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.8	92.3
227	64.8	31.6	94.7





#95

Naphthalene

Concen: 58.992 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

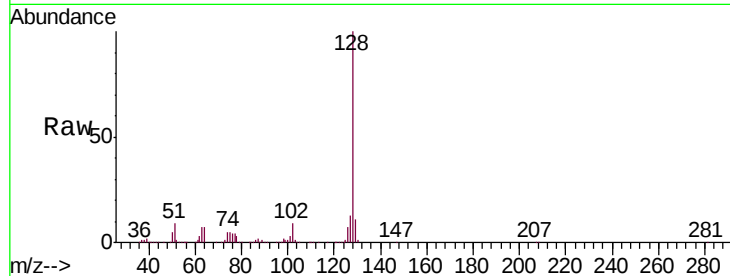
Tgt Ion:128 Resp: 336942

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

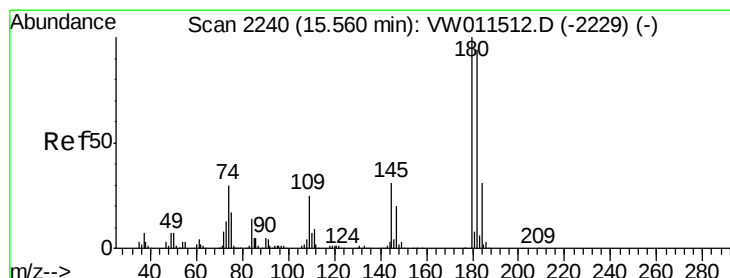
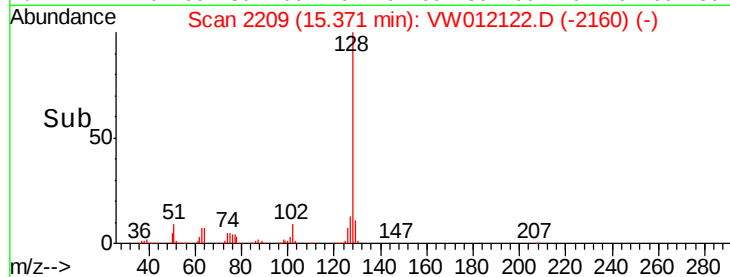
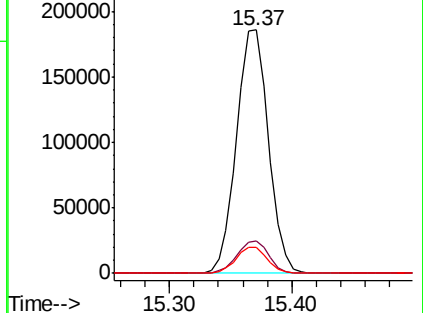
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 59.759 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW012122.D

Acq: 22 Aug 2019 20:09

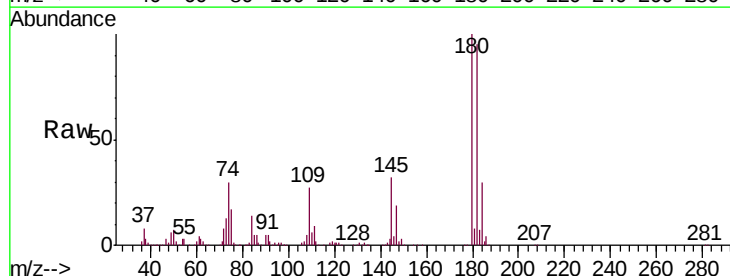
Tgt Ion:180 Resp: 151742

Ion Ratio Lower Upper

180 100

182 95.3 47.4 142.2

145 32.4 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

