

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
 Data File : VV019350.D
 Acq On : 12 Nov 2020 13:48
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB93

Quant Time: Nov 13 01:06:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 13:19:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	212121	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	208532	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	128897	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78341	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.98%
7) Chloroethane-d5	1.58	69	62955	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.90%
11) 1,1-Dichloroethene-d2	2.12	63	160890	48.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.80%
21) 2-Butanone-d5	3.91	46	82059	99.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.52%
24) Chloroform-d	4.37	84	148764	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	5.05	65	101748	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.46%
32) Benzene-d6	5.07	84	265100	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.09	67	73231	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.12%
41) Toluene-d8	7.33	98	260417	49.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.08%
43) trans-1,3-Dichloropropene-	7.64	79	47252	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.20%
47) 2-Hexanone-d5	8.11	63	58777	104.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.99%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	103678	50.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	119954	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	95315	53.587	ug/L 98
3) Chloromethane	1.25	50	82603	51.974	ug/L 100
5) Vinyl chloride	1.32	62	87911	51.312	ug/L 98
6) Bromomethane	1.53	94	62780	51.249	ug/L 98
8) Chloroethane	1.60	64	54383	50.337	ug/L 98
9) Trichlorofluoromethane	1.76	101	159184	51.795	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	74694	53.324	ug/L 99
12) 1,1-Dichloroethene	2.13	96	73026	51.078	ug/L 99
13) Acetone	2.19	43	66329	94.446	ug/L 97
14) Carbon disulfide	2.31	76	207973	52.609	ug/L 99
15) Methyl Acetate	2.45	43	61054	51.494	ug/L 99
16) Methylene chloride	2.52	84	70416	49.048	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	71465	51.966	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	227578	51.507	ug/L 99
19) 1,1-Dichloroethane	3.21	63	121965	51.148	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	75536	51.886	ug/L 100
22) 2-Butanone	3.99	43	81780	101.548	ug/L 99

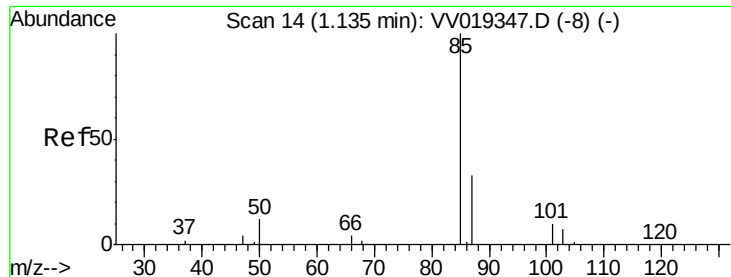
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	42523	50.648	ug/L	96
25) Chloroform	4.40	83	141035	50.852	ug/L	95
27) 1,2-Dichloroethane	5.15	62	116877	49.745	ug/L	99
29) Cyclohexane	4.70	56	100253	55.624	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	140936	51.450	ug/L	99
31) Carbon tetrachloride	4.85	117	128403	52.052	ug/L	100
33) Benzene	5.12	78	276570	52.576	ug/L	100
34) Trichloroethene	5.94	95	81187	51.173	ug/L	97
35) Methylcyclohexane	6.15	83	105899	54.011	ug/L	99
37) 1,2-Dichloropropane	6.19	63	66026	51.643	ug/L	99
38) Bromodichloromethane	6.53	83	106451	51.222	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	117455	53.584	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	168838	104.659	ug/L	99
42) Toluene	7.41	91	313677	53.009	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	122695	52.552	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	72035	51.943	ug/L	98
46) Tetrachloroethene	7.99	164	75248	53.845	ug/L	97
48) 2-Hexanone	8.16	43	132159	104.532	ug/L	99
49) Dibromochloromethane	8.27	129	93199	52.366	ug/L	96
50) 1,2-Dibromoethane	8.37	107	79134	52.156	ug/L	94
51) Chlorobenzene	8.90	112	212527	52.225	ug/L	98
52) Ethylbenzene	9.03	91	347057	52.443	ug/L	100
53) m,p-Xylene	9.16	106	136786	53.378	ug/L	99
54) o-xylene	9.56	106	133213	53.755	ug/L	98
55) Styrene	9.58	104	241207	55.038	ug/L	99
56) Isopropylbenzene	9.95	105	362576	54.490	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	99359	52.432	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	89365	51.182	ug/L	98
61) Bromoform	9.75	173	74166	50.539	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	187752	51.844	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	194861	51.436	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	188260	51.378	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	26652	50.357	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	139988	50.423	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	134786	53.967	ug/L	99
69) Naphthalene	13.52	128	349940	59.329	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	136355	54.258	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 53.587 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

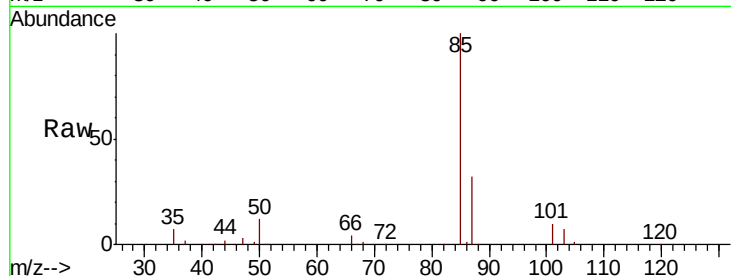
BFB93

Tot Ion: 85 Resp: 95315

Ion Ratio Lower Upper

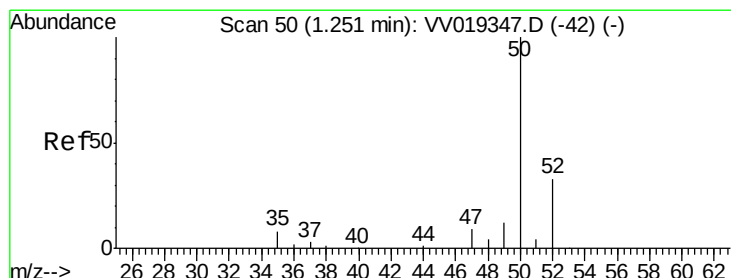
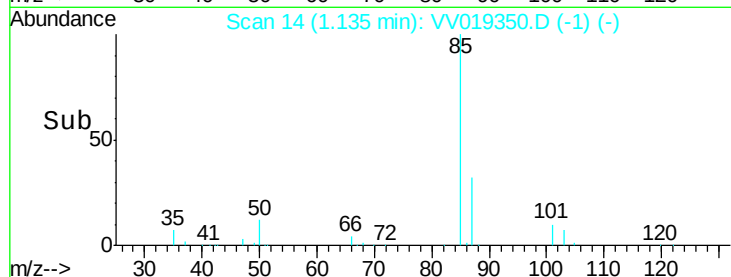
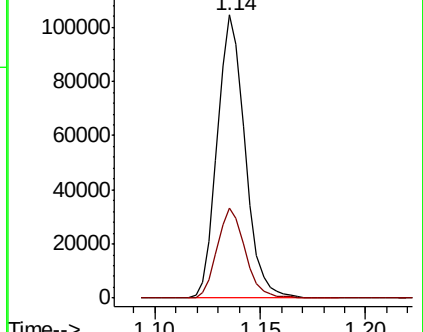
85 100

87 32.1 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV019347.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV019347.D (-8) (-)



#3

Chloromethane

Concen: 51.974 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019350.D

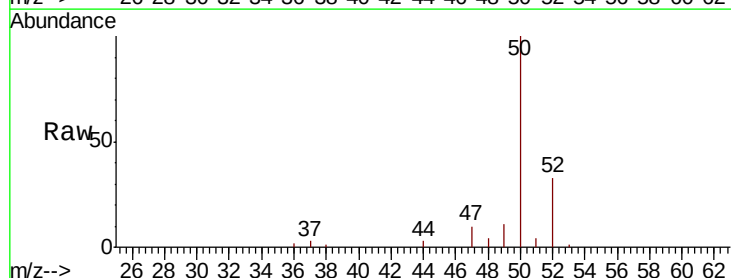
Acq: 12 Nov 2020 13:48

Tgt Ion: 50 Resp: 82603

Ion Ratio Lower Upper

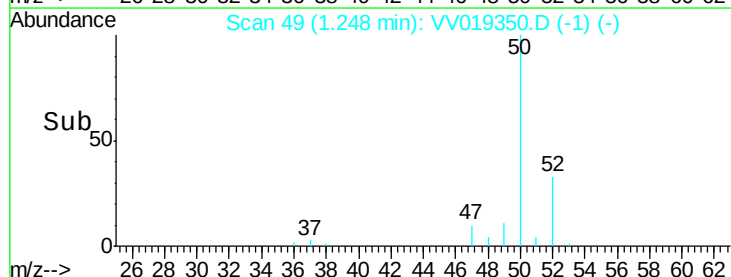
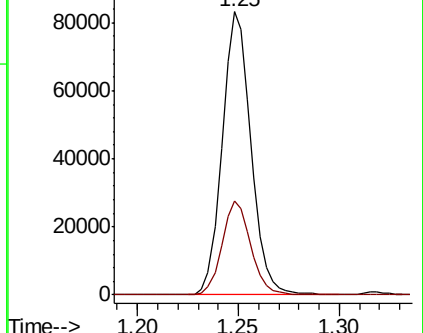
50 100

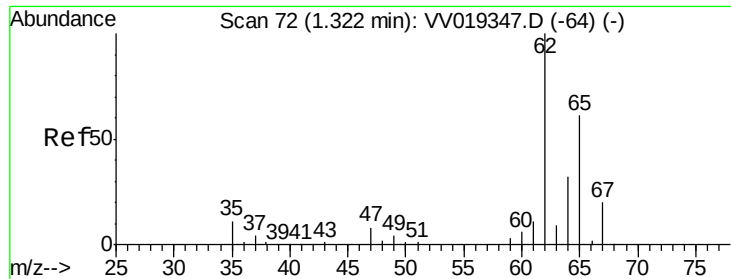
52 33.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV019347.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019347.D (-42) (-)





#5

Vinyl chloride

Concen: 51.312 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampled :

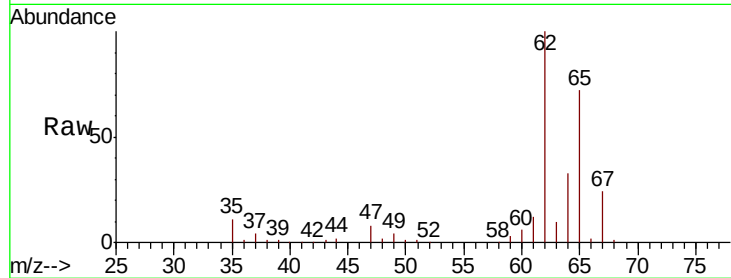
BFB93

Tot Ion: 62 Resp: 87911

Ion Ratio Lower Upper

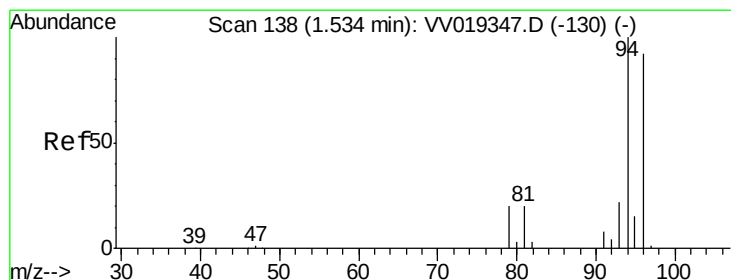
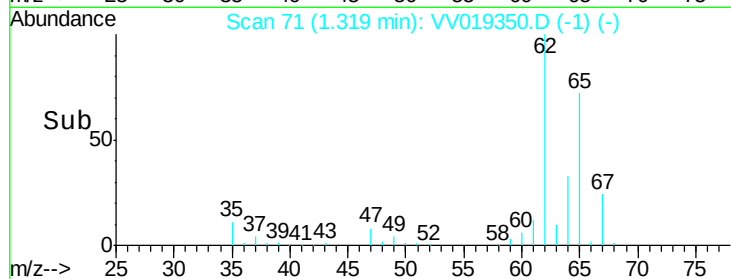
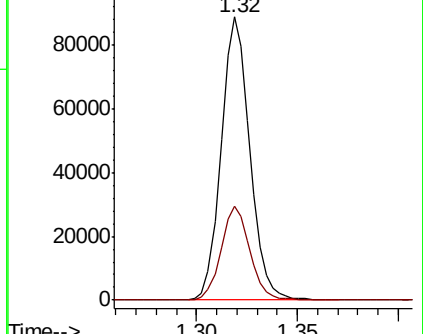
62 100

64 33.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 51.249 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019350.D

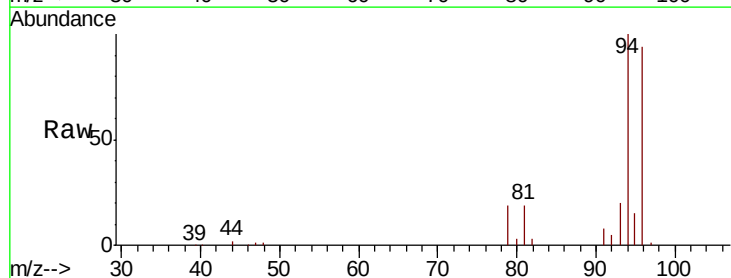
Acq: 12 Nov 2020 13:48

Tgt Ion: 94 Resp: 62780

Ion Ratio Lower Upper

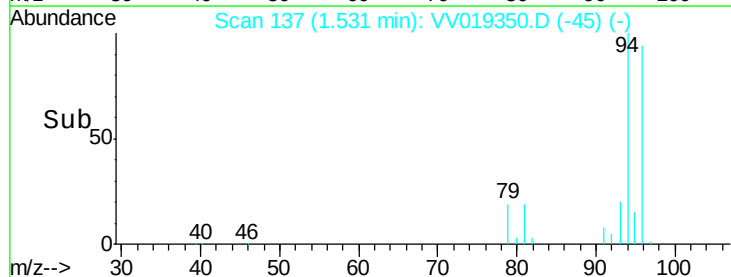
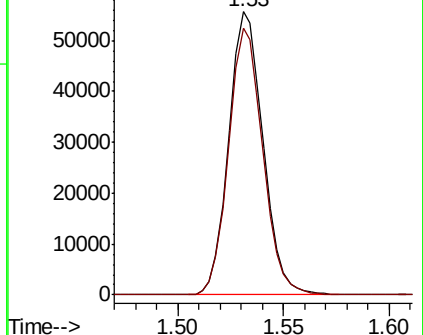
94 100

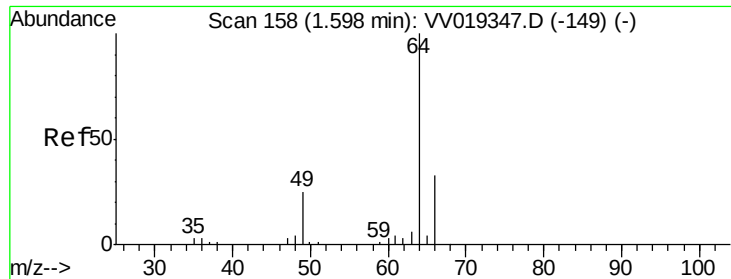
96 94.2 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.337 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

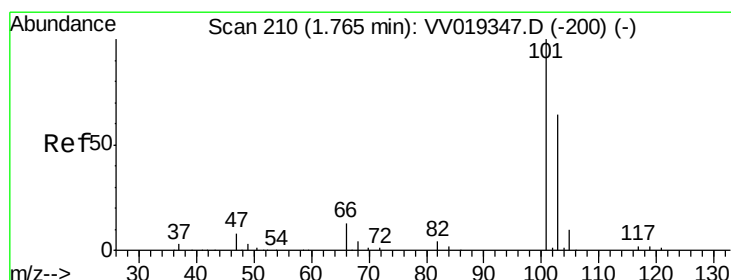
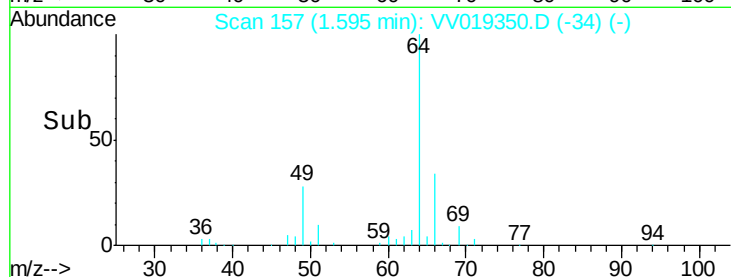
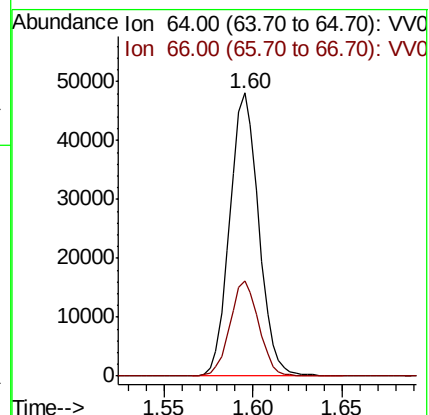
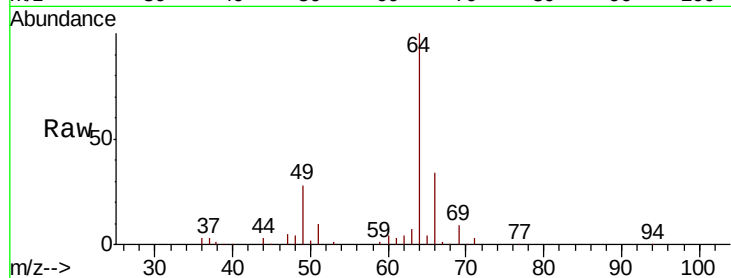
BFB93

Tot Ion: 64 Resp: 54383

Ion Ratio Lower Upper

64 100

66 33.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 51.795 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019350.D

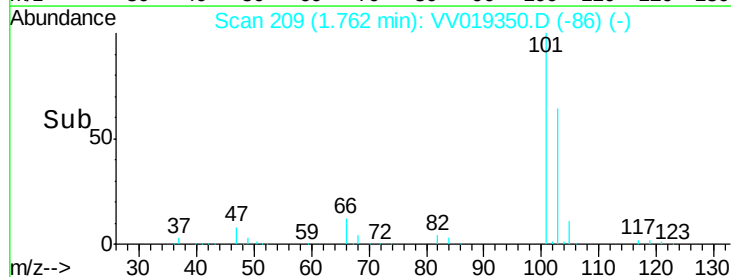
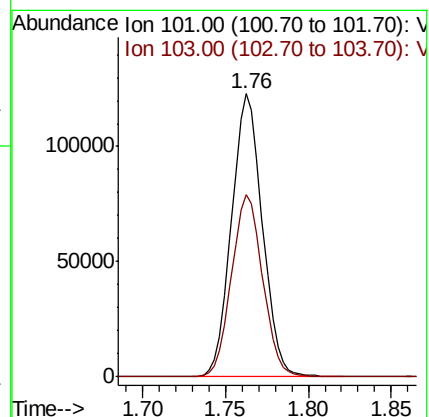
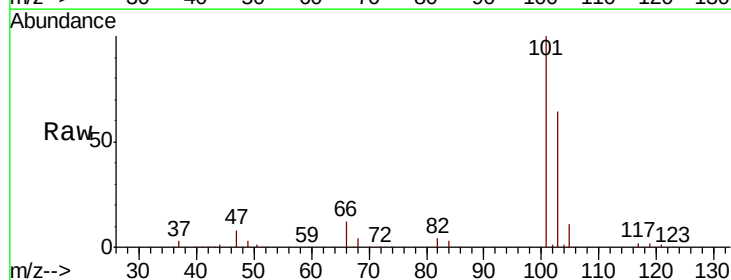
Acq: 12 Nov 2020 13:48

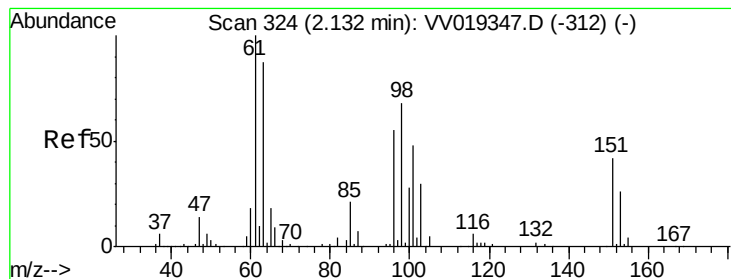
Tgt Ion: 101 Resp: 159184

Ion Ratio Lower Upper

101 100

103 65.0 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 53.324 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

BFB93

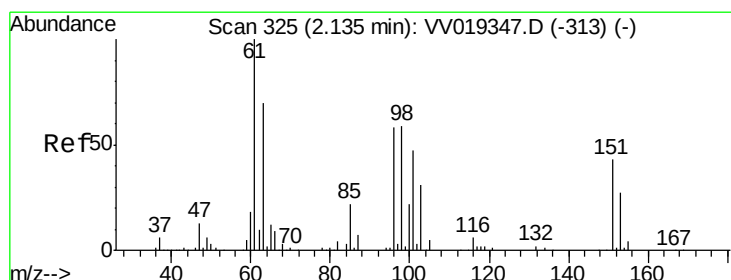
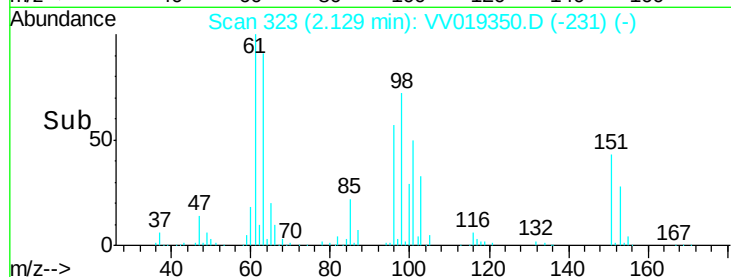
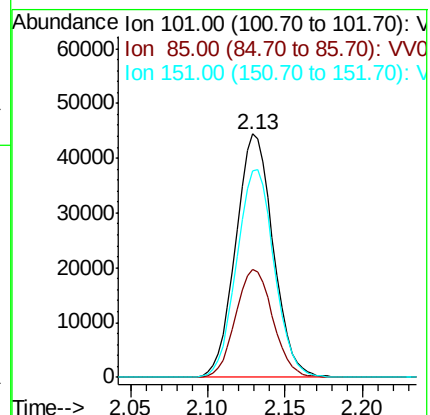
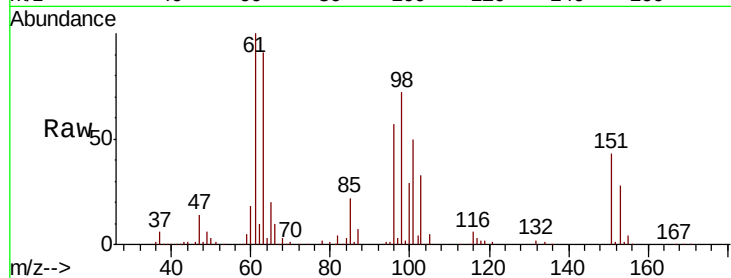
Tot Ion:101 Resp: 74694

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

151 85.7 69.2 103.8



#12

1,1-Dichloroethene

Concen: 51.078 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

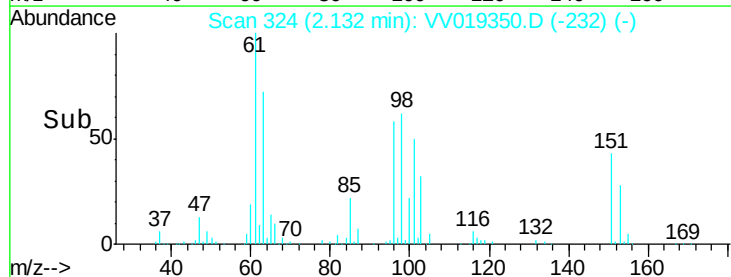
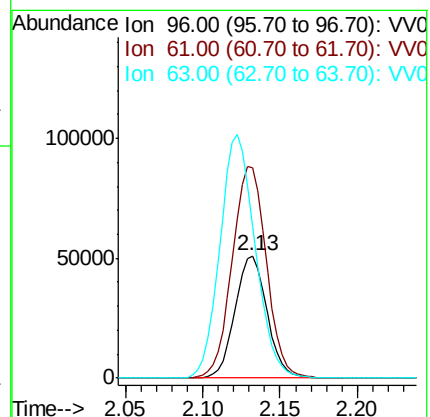
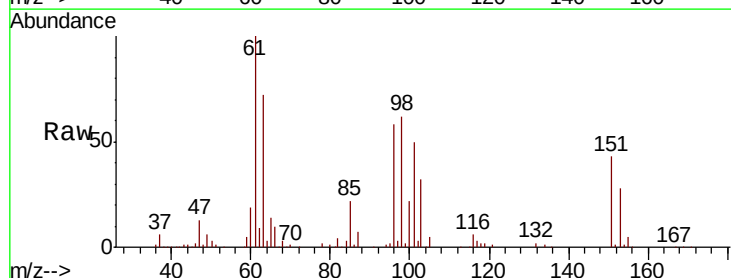
Tgt Ion: 96 Resp: 73026

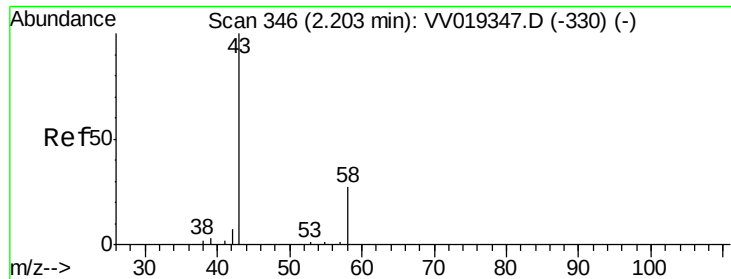
Ion Ratio Lower Upper

96 100

61 172.1 121.0 224.8

63 124.1 86.2 160.0





#13

Acetone

Concen: 94.446 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

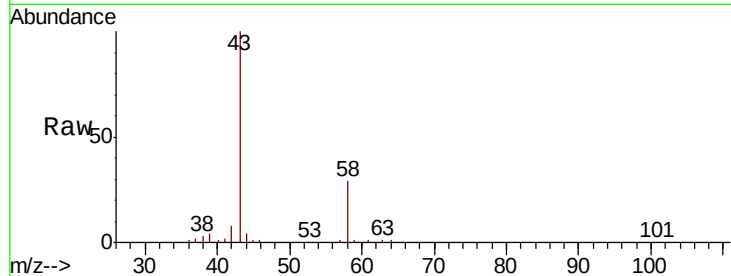
BFB93

Tot Ion: 43 Resp: 66329

Ion Ratio Lower Upper

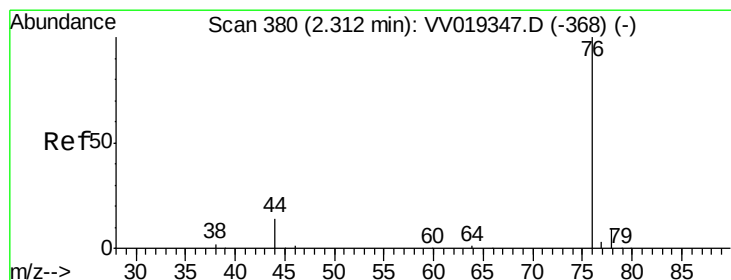
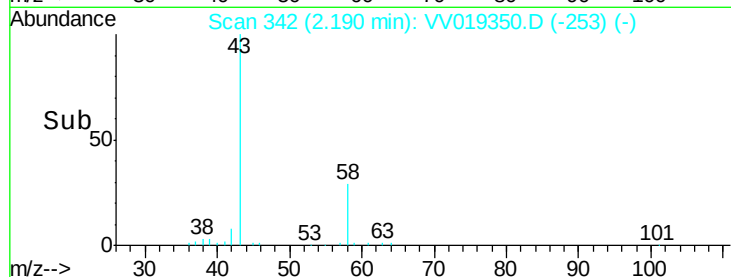
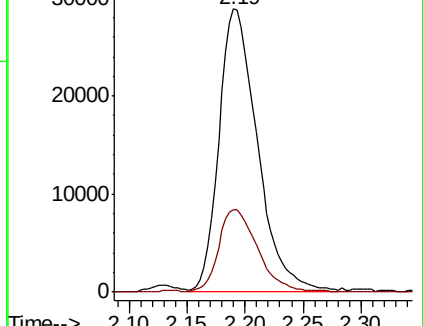
43 100

58 29.6 0.0 55.8



Abundance Ion 43.00 (42.70 to 43.70): VV019347.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV019347.D (-330) (-)



#14

Carbon disulfide

Concen: 52.609 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019350.D

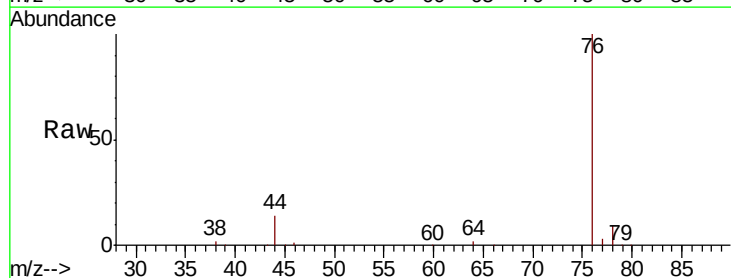
Acq: 12 Nov 2020 13:48

Tgt Ion: 76 Resp: 207973

Ion Ratio Lower Upper

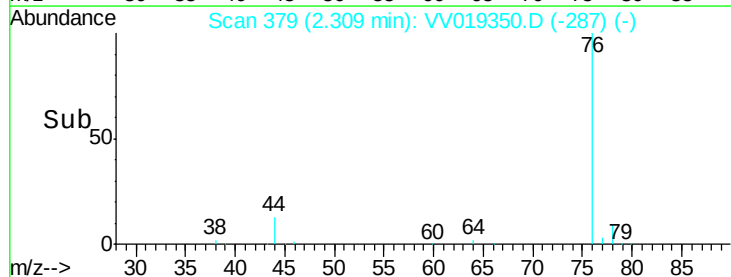
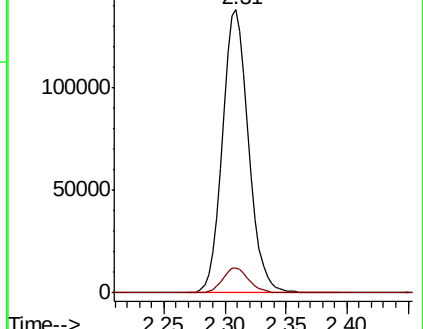
76 100

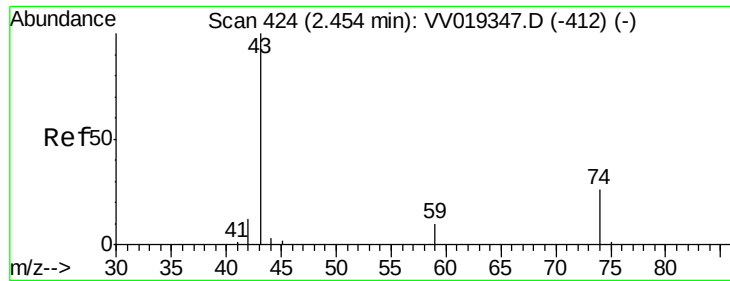
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019347.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019347.D (-368) (-)

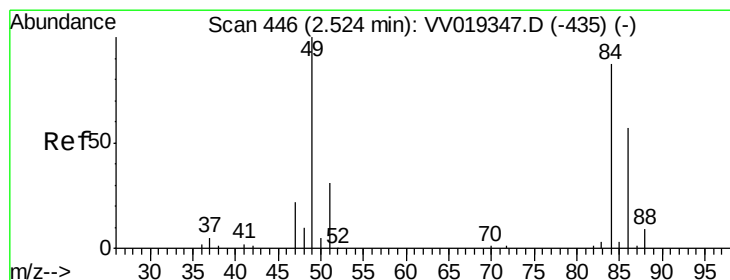
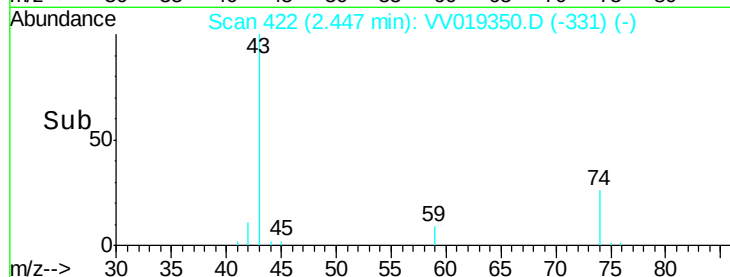
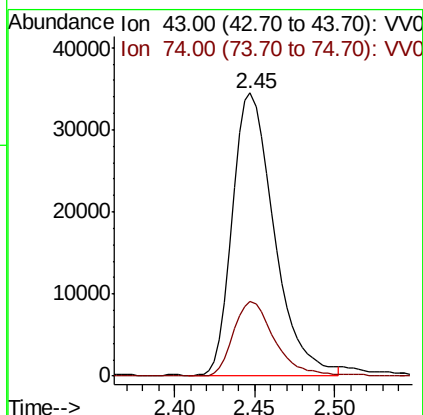
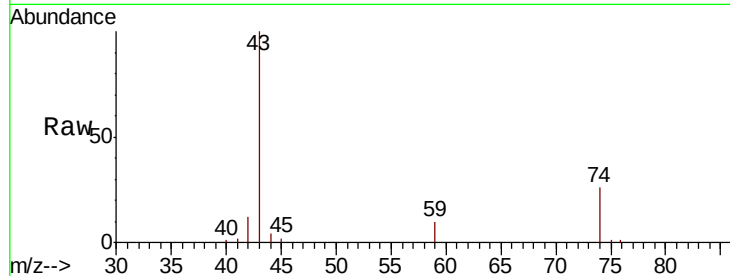




#15
Methvl Acetate
Concen: 51.494 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.01 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

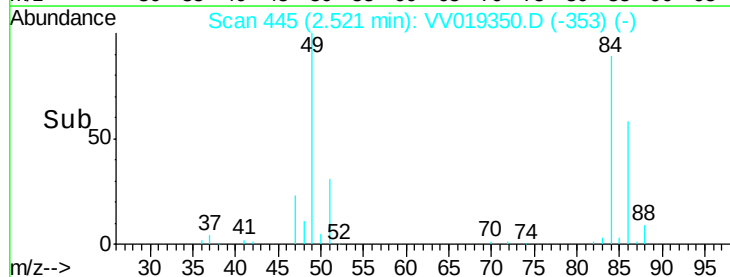
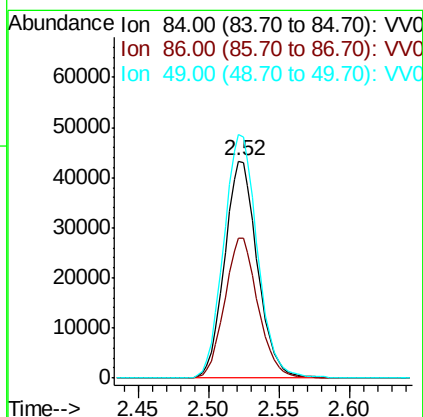
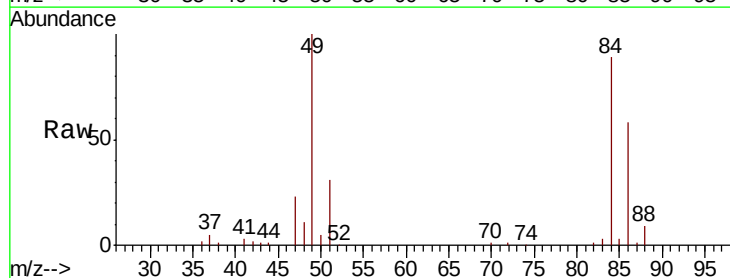
Instrument :
MSVOA_V
ClientSampleId :
BFB93

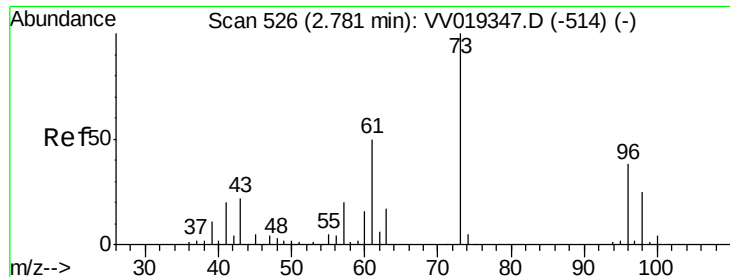
Tot Ion: 43 Resp: 61054
Ion Ratio Lower Upper
43 100
74 26.3 20.7 31.1



#16
Methylene chloride
Concen: 49.048 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Tgt Ion: 84 Resp: 70416
Ion Ratio Lower Upper
84 100
86 64.6 45.6 84.8
49 112.2 80.2 149.0





#17

trans-1,2-Dichloroethene

Concen: 51.966 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.01 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

BFB93

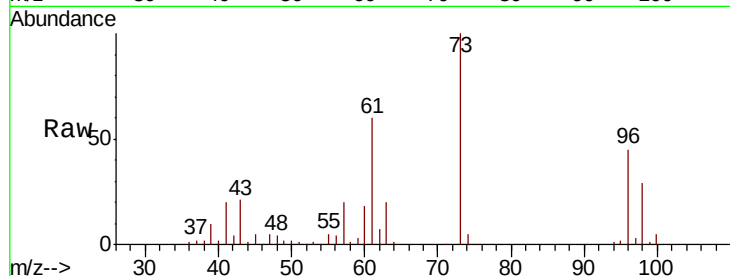
Tot Ion: 96 Resp: 71465

Ion Ratio Lower Upper

96 100

61 132.0 91.8 170.6

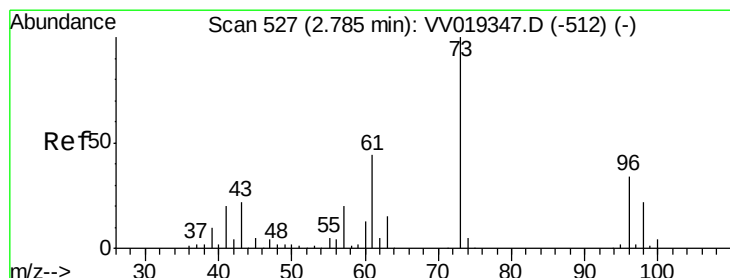
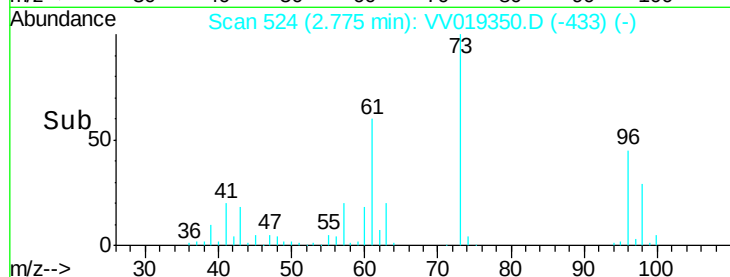
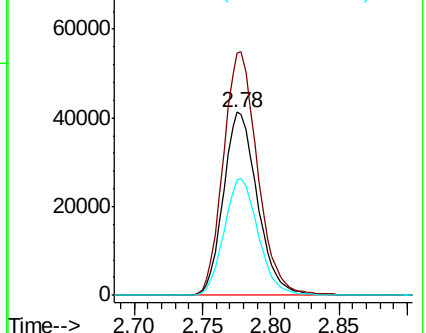
98 63.0 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV019347.D (-514) (-)

Ion 61.00 (60.70 to 61.70): VV019347.D (-514) (-)

Ion 98.00 (97.70 to 98.70): VV019347.D (-514) (-)



#18

Methyl tert-butyl Ether

Concen: 51.507 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

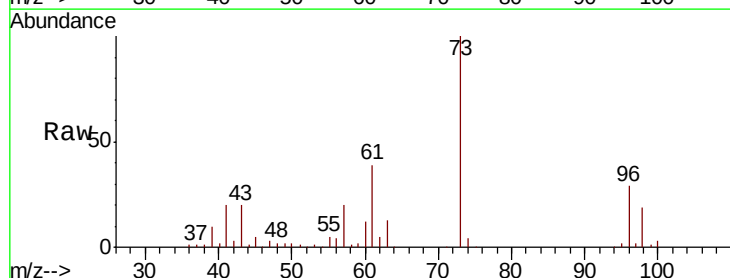
Tgt Ion: 73 Resp: 227578

Ion Ratio Lower Upper

73 100

43 21.0 17.2 25.8

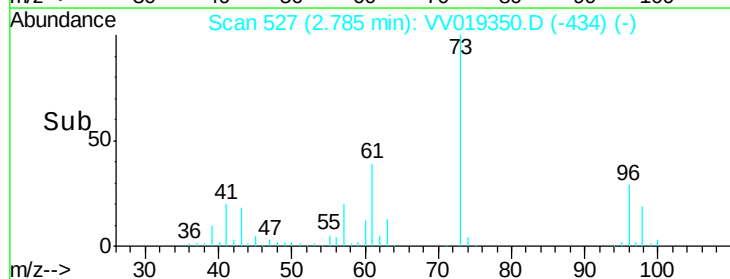
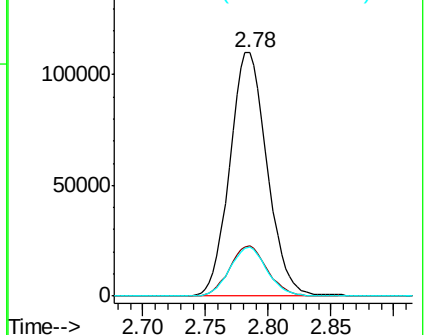
57 20.1 15.9 23.9

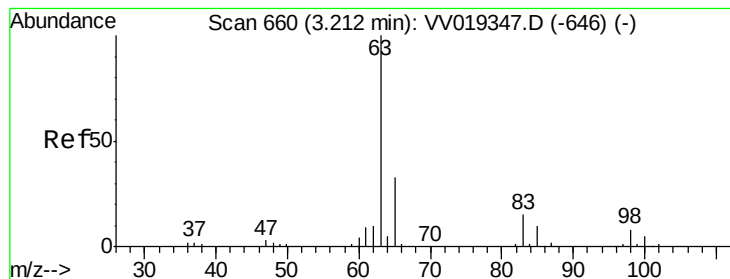


Abundance Ion 73.00 (72.70 to 73.70): VV019347.D (-512) (-)

Ion 43.00 (42.70 to 43.70): VV019347.D (-512) (-)

Ion 57.00 (56.70 to 57.70): VV019347.D (-512) (-)





#19

1,1-Dichloroethane

Concen: 51.148 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

BFB93

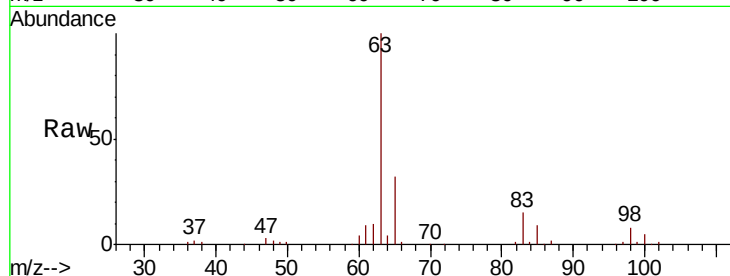
Tot Ion: 63 Resp: 121965

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.8

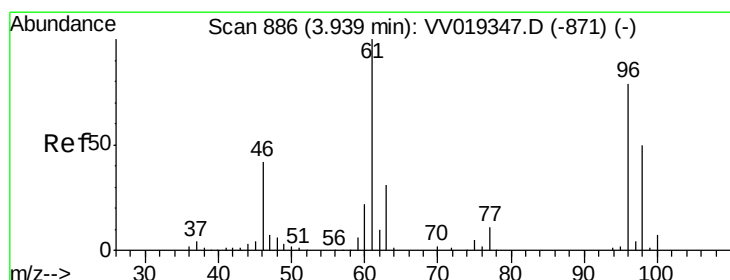
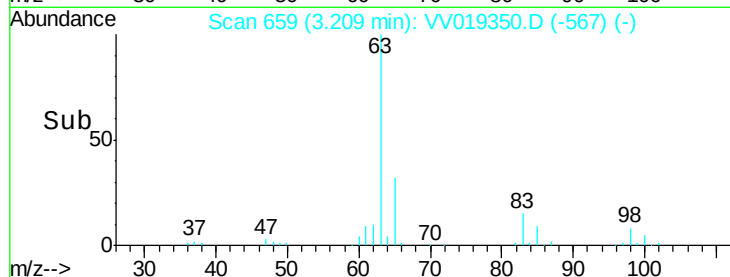
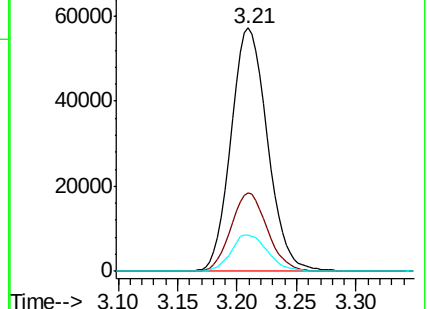
83 14.8 10.7 19.9



Abundance Ion 63.00 (62.70 to 63.70): VV019347.D (-646) (-)

Ion 65.00 (64.70 to 65.70): VV019347.D (-646) (-)

Ion 83.00 (82.70 to 83.70): VV019347.D (-646) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.886 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

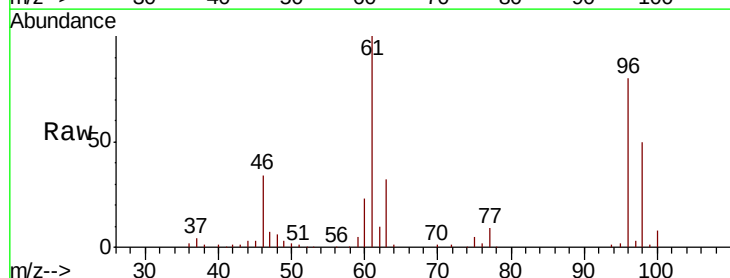
Tgt Ion: 96 Resp: 75536

Ion Ratio Lower Upper

96 100

61 125.5 88.2 163.8

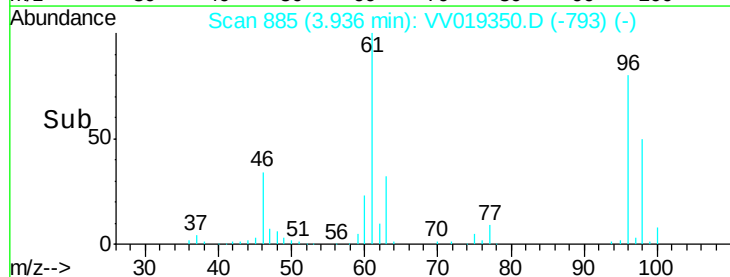
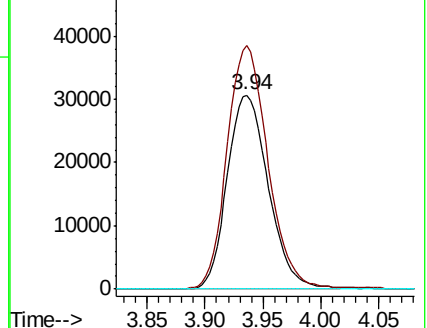
68 0.0 0.0 0.0

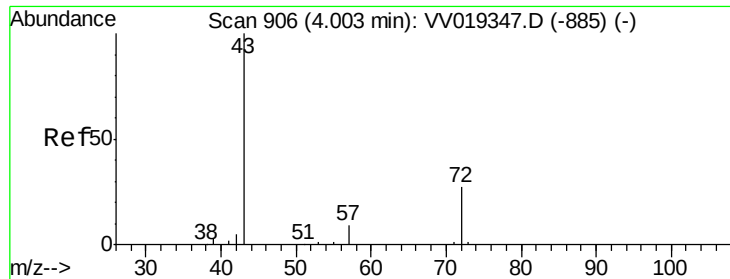


Abundance Ion 96.00 (95.70 to 96.70): VV019347.D (-871) (-)

Ion 61.00 (60.70 to 61.70): VV019347.D (-871) (-)

Ion 68.00 (67.70 to 68.70): VV019347.D (-871) (-)





#22

2-Butanone

Concen: 101.548 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampled :

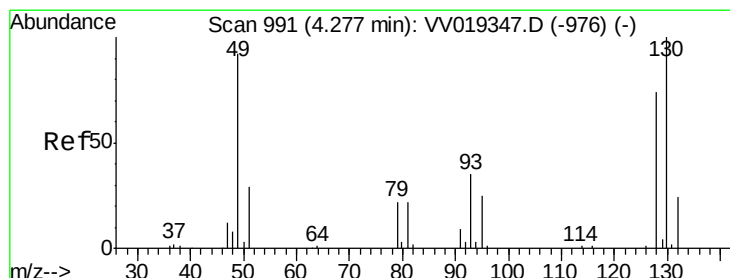
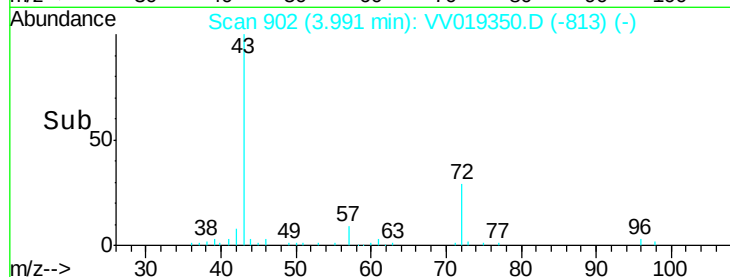
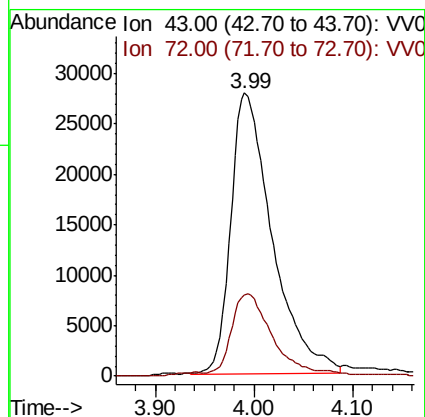
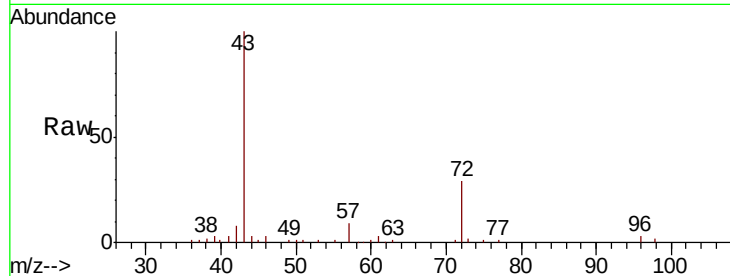
BFB93

Tot Ion: 43 Resp: 81780

Ion Ratio Lower Upper

43 100

72 26.7 13.1 39.3



#23

Bromochloromethane

Concen: 50.648 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Tgt Ion: 128 Resp: 42523

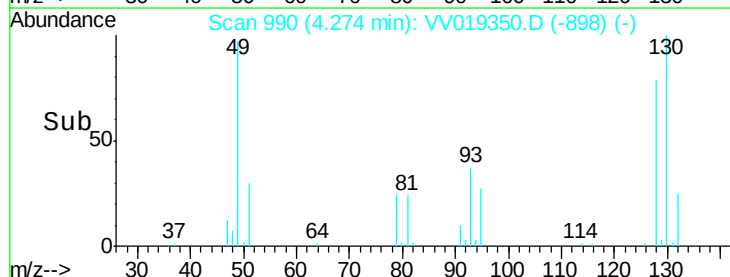
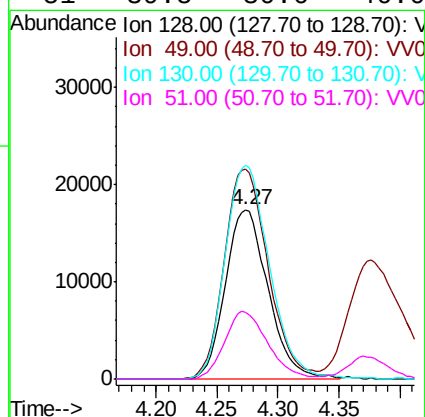
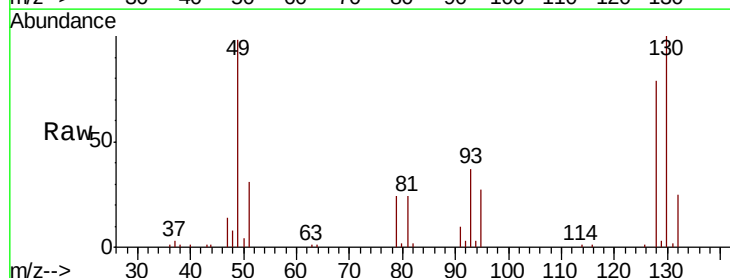
Ion Ratio Lower Upper

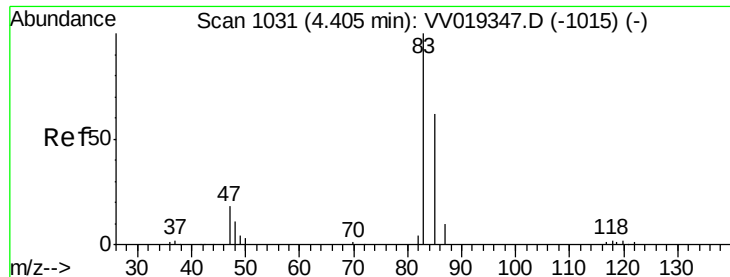
128 100

49 123.9 86.2 160.0

130 126.2 94.0 174.6

51 39.5 30.6 46.0

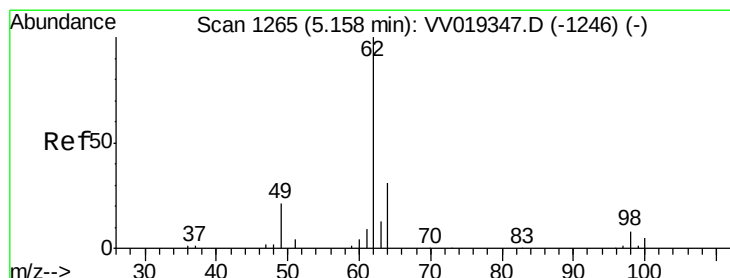
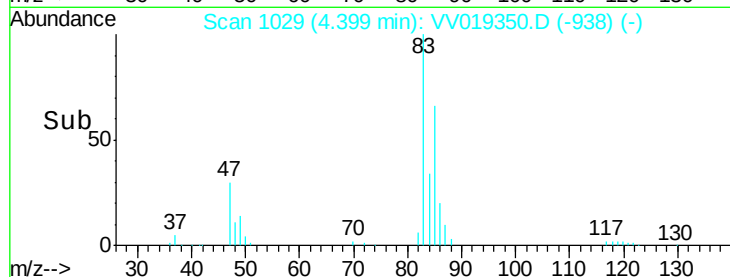
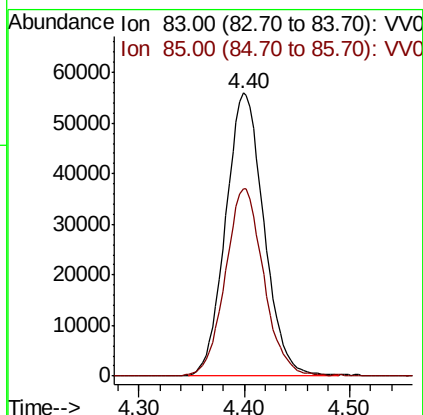
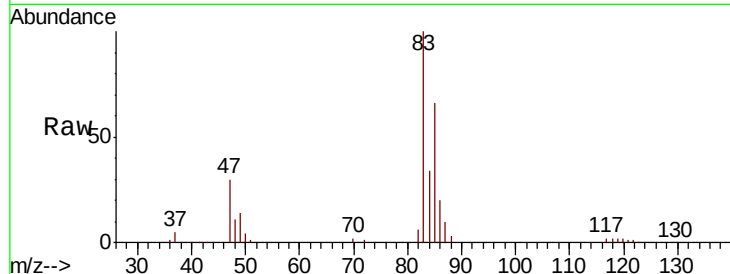




#25
Chloroform
Concen: 50.852 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

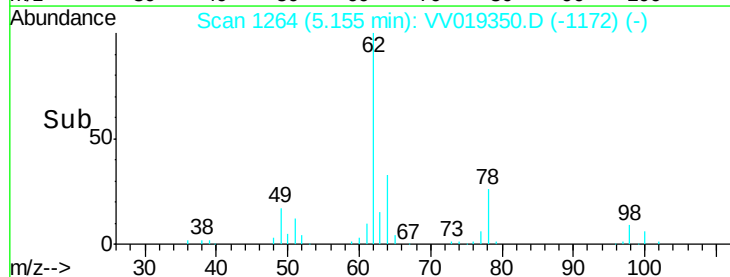
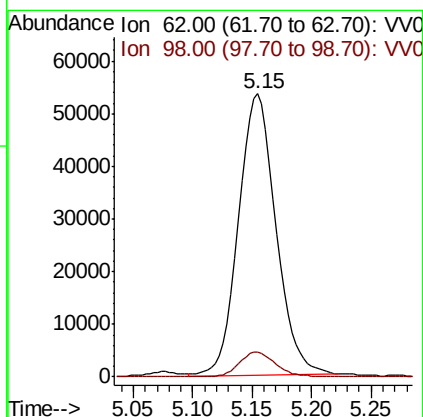
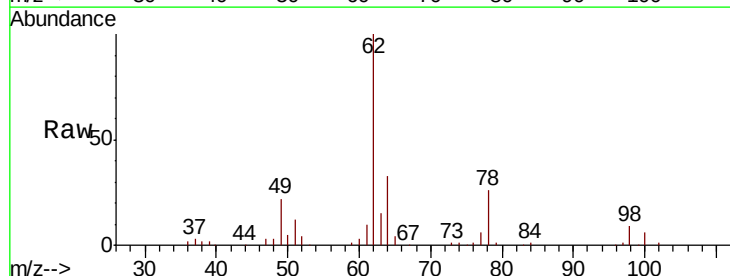
Instrument :
MSVOA_V
ClientSampleId :
BFB93

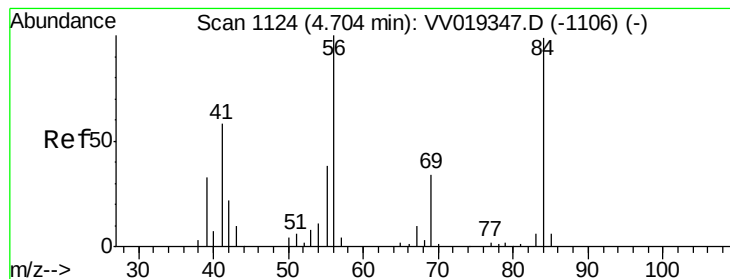
Tot Ion: 83 Resp: 141035
Ion Ratio Lower Upper
83 100
85 66.4 44.0 81.8



#27
1,2-Dichloroethane
Concen: 49.745 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Tgt Ion: 62 Resp: 116877
Ion Ratio Lower Upper
62 100
98 8.7 6.7 10.1





#29

Cyclohexane

Concen: 55.624 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

BFB93

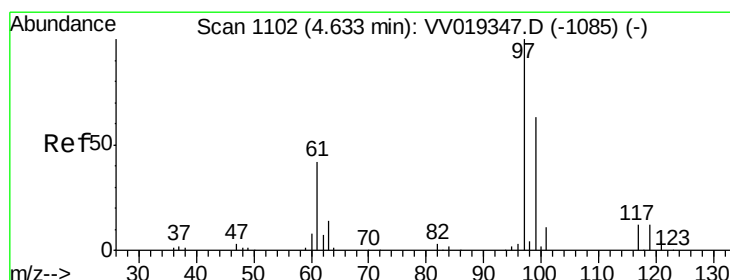
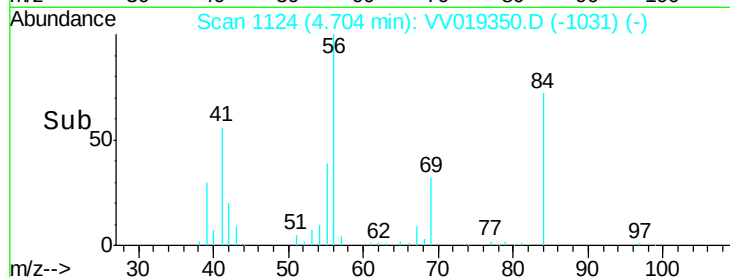
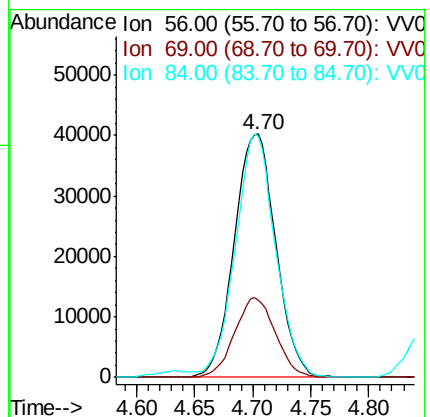
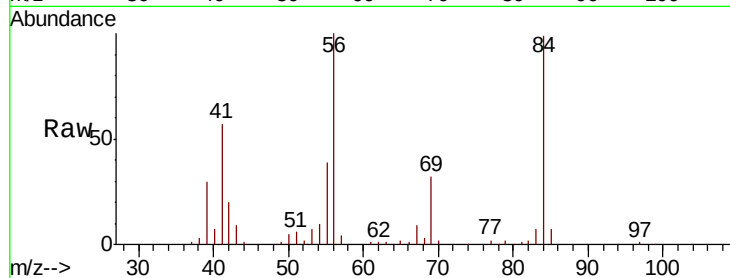
Tot Ion: 56 Resp: 100253

Ion Ratio Lower Upper

56 100

69 32.2 26.7 40.1

84 96.7 79.5 119.3



#30

1,1,1-Trichloroethane

Concen: 51.450 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

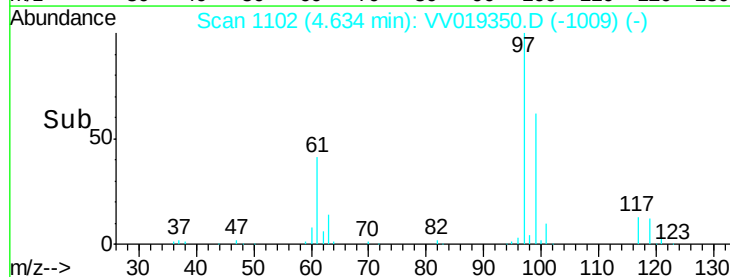
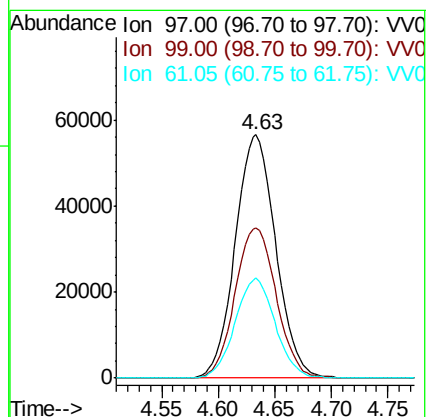
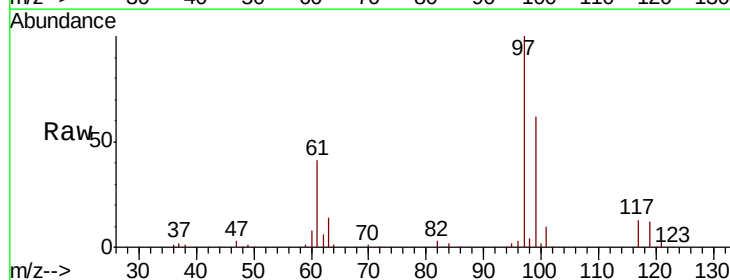
Tgt Ion: 97 Resp: 140936

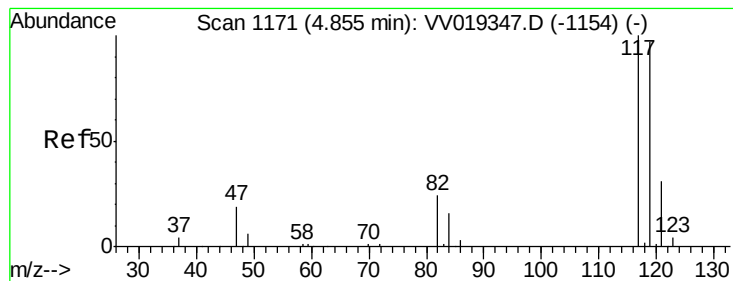
Ion Ratio Lower Upper

97 100

99 62.9 51.0 76.6

61 40.8 33.2 49.8





#31

Carbon tetrachloride

Concen: 52.052 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

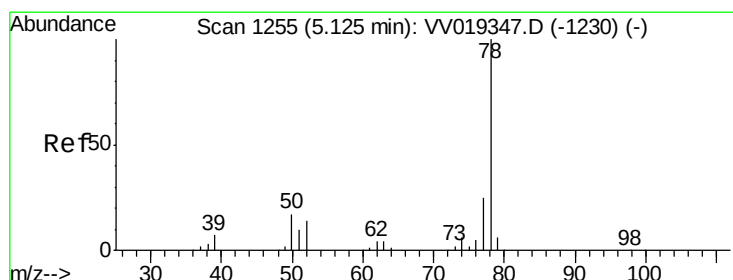
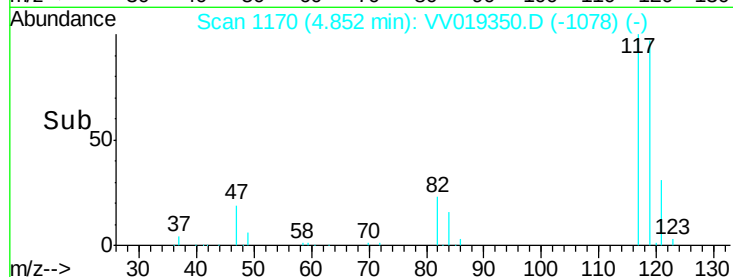
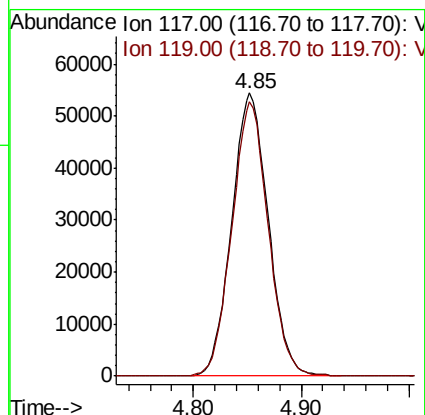
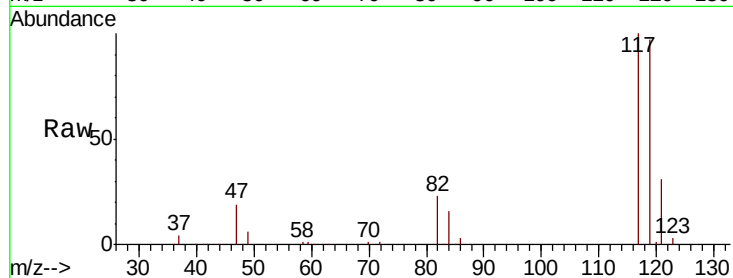
BFB93

Tot Ion:117 Resp: 128403

Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.4



#33

Benzene

Concen: 52.576 ug/L

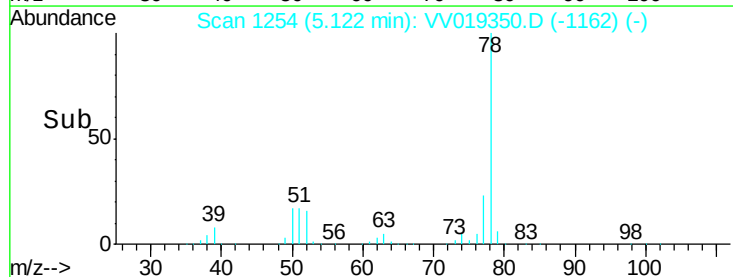
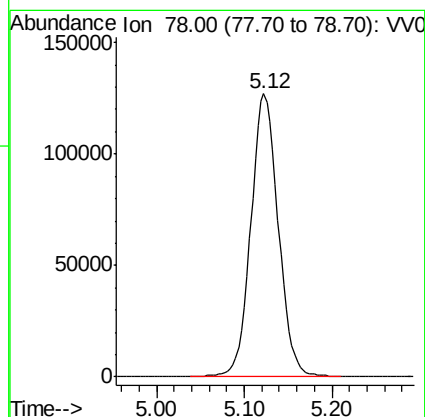
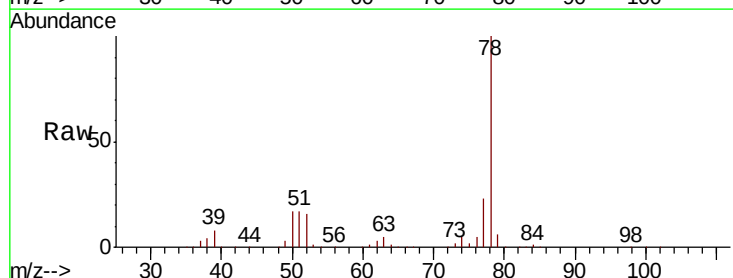
RT: 5.12 min Scan# 1254

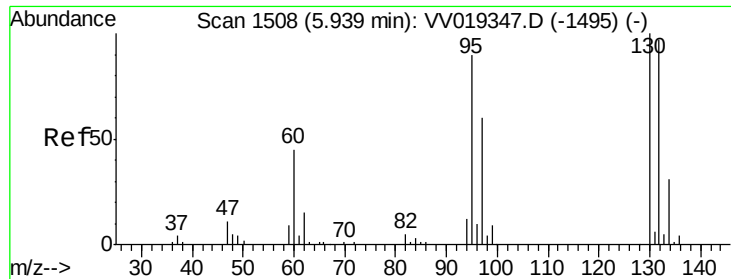
Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Tgt Ion: 78 Resp: 276570

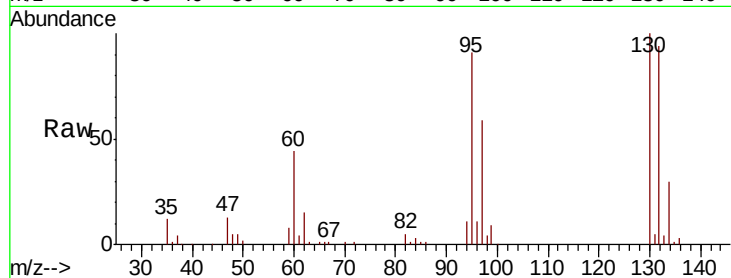




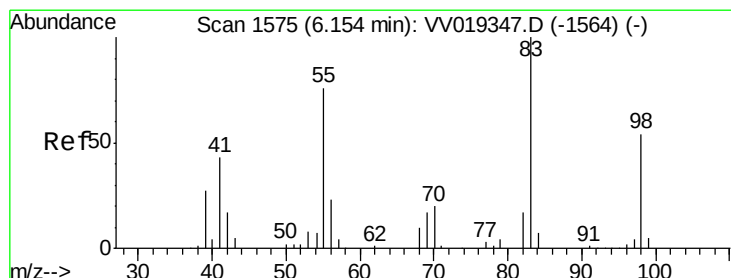
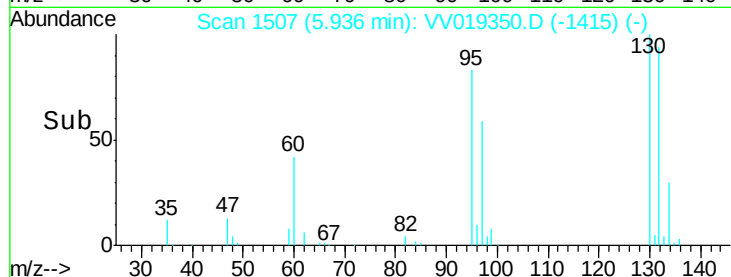
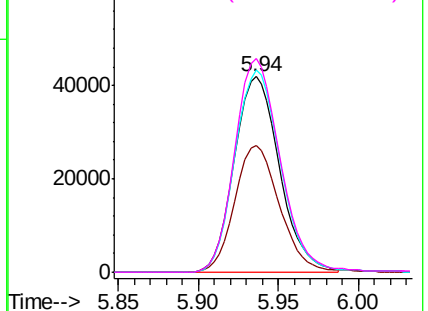
#34
 Trichloroethene
 Concen: 51.173 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV019350.D
 Acq: 12 Nov 2020 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB93

Tot Ion: 95 Resp: 81187
 Ion Ratio Lower Upper
 95 100
 97 64.7 46.8 86.8
 132 103.3 75.5 140.3
 130 109.4 77.7 144.3

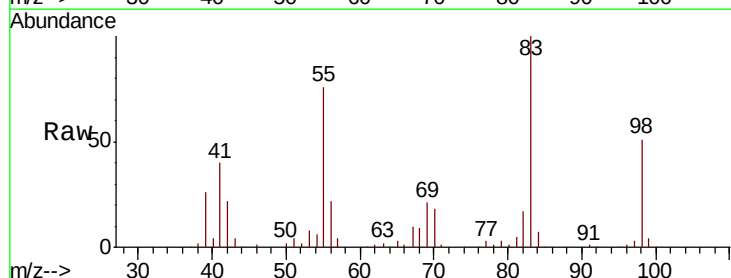


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

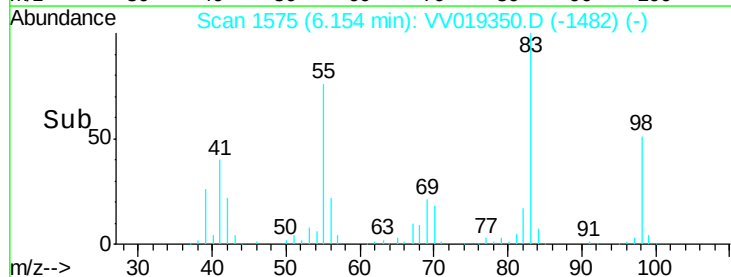
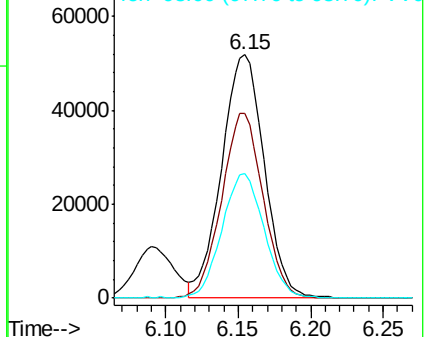


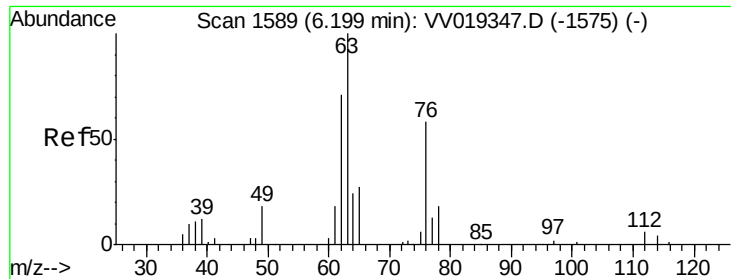
#35
 Methylcyclohexane
 Concen: 54.011 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019350.D
 Acq: 12 Nov 2020 13:48

Tgt Ion: 83 Resp: 105899
 Ion Ratio Lower Upper
 83 100
 55 73.6 58.6 88.0
 98 50.6 41.4 62.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

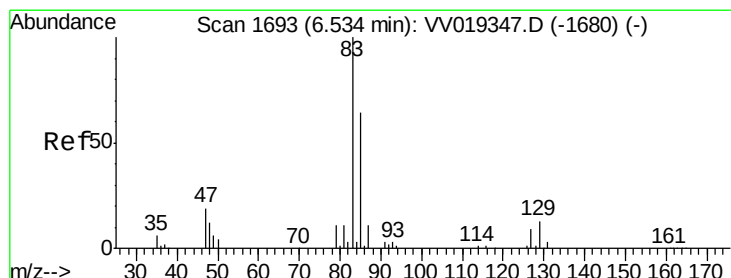
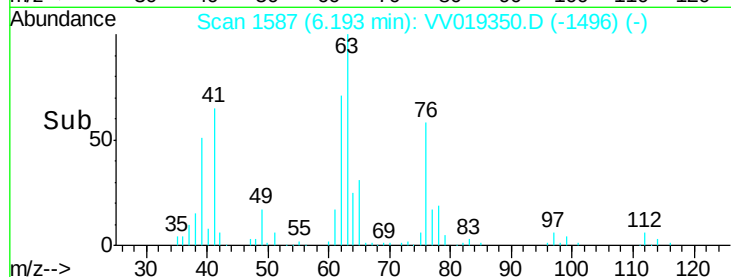
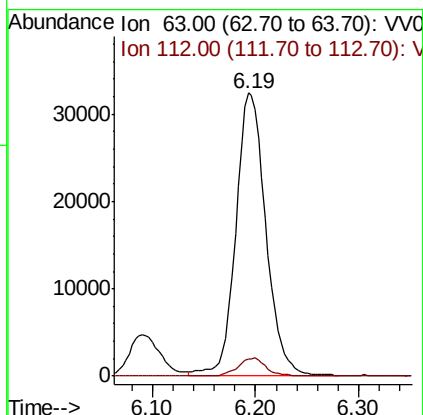
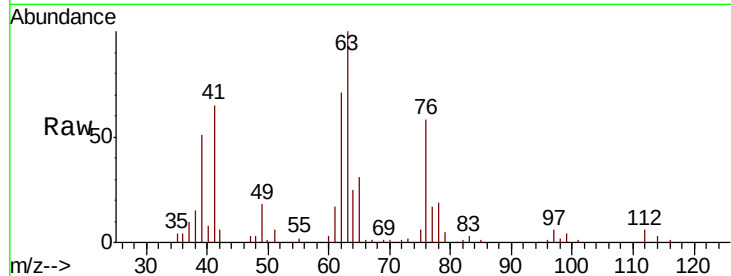




#37
1,2-Dichloropropane
Concen: 51.643 ug/L
RT: 6.19 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

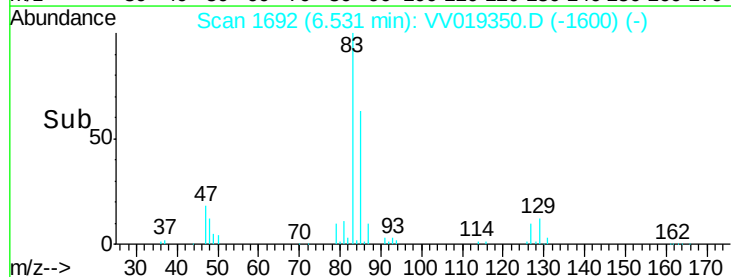
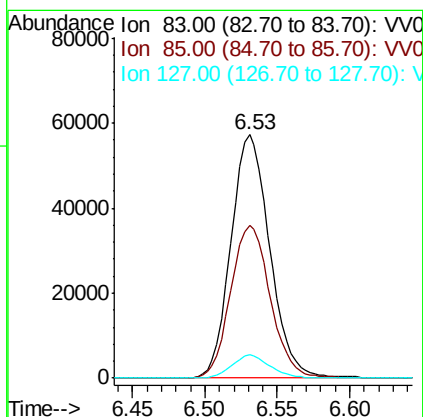
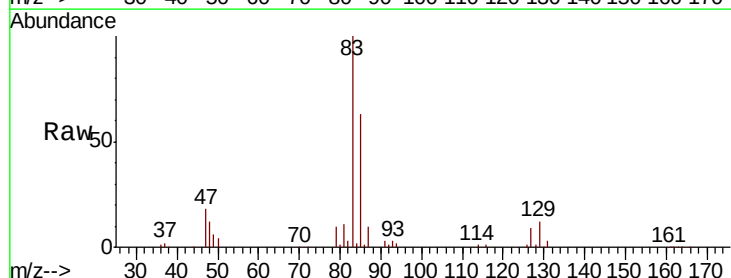
Instrument :
MSVOA_V
ClientSampleId :
BFB93

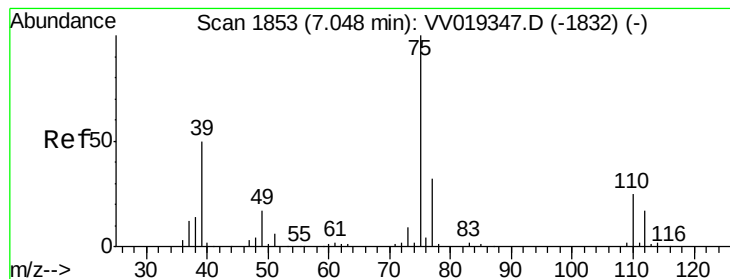
Tot Ion: 63 Resp: 66026
Ion Ratio Lower Upper
63 100
112 5.9 4.6 6.8



#38
Bromodichloromethane
Concen: 51.222 ug/L
RT: 6.53 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Tgt Ion: 83 Resp: 106451
Ion Ratio Lower Upper
83 100
85 62.8 45.1 83.7
127 9.5 7.2 10.8



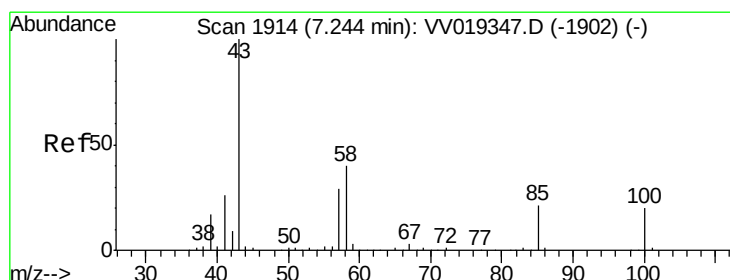
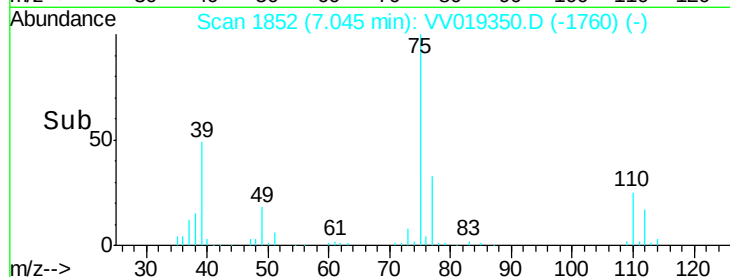
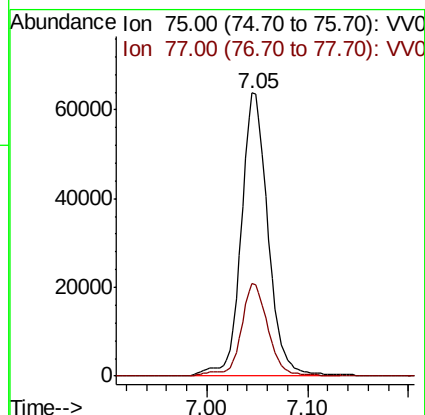
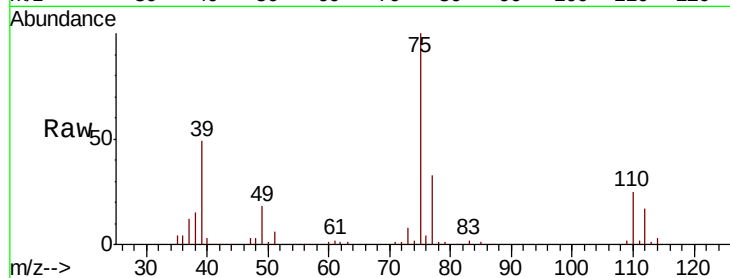


#39

cis-1,3-Dichloropropene
Concen: 53.584 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Instrument :
MSVOA_V
ClientSampled :
BFB93

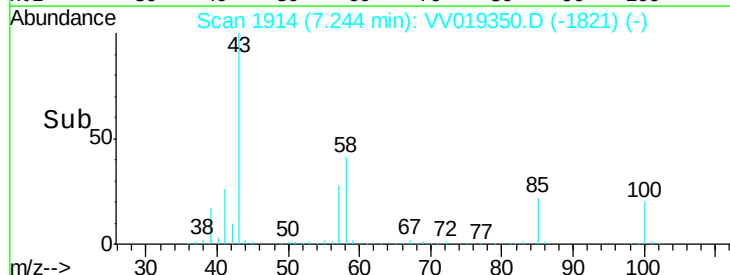
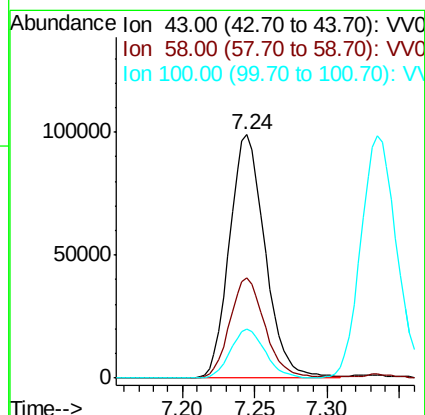
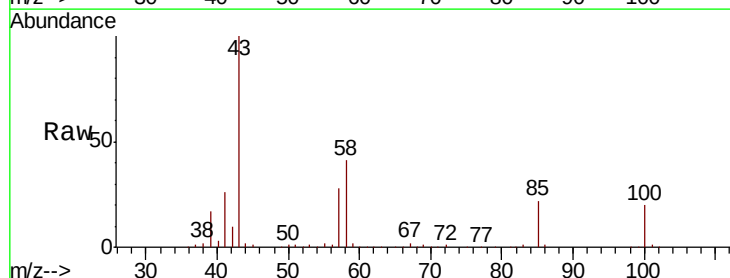
Tot Ion: 75 Resp: 117455
Ion Ratio Lower Upper
75 100
77 32.6 22.7 42.1

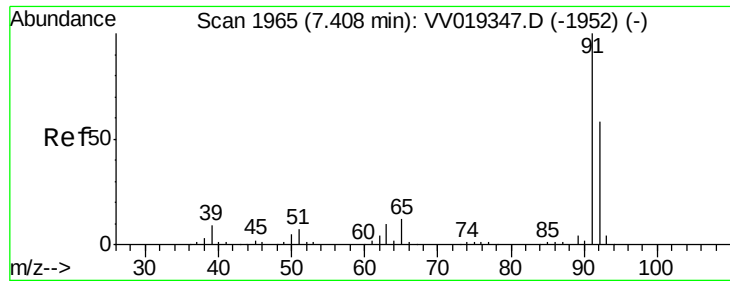


#40

4-Methyl-2-pentanone
Concen: 104.659 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Tgt Ion: 43 Resp: 168838
Ion Ratio Lower Upper
43 100
58 40.5 32.7 49.1
100 19.6 15.9 23.9





#42

Toluene

Concen: 53.009 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

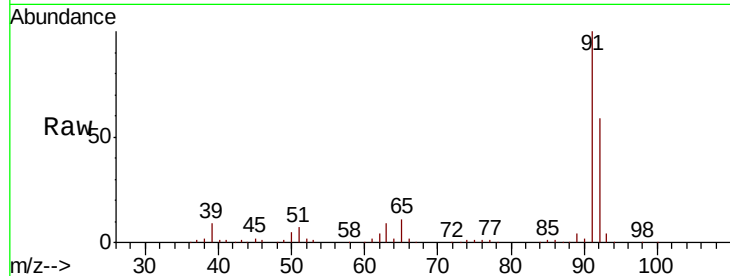
BFB93

Tot Ion: 91 Resp: 313677

Ion Ratio Lower Upper

91 100

92 59.0 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

200000

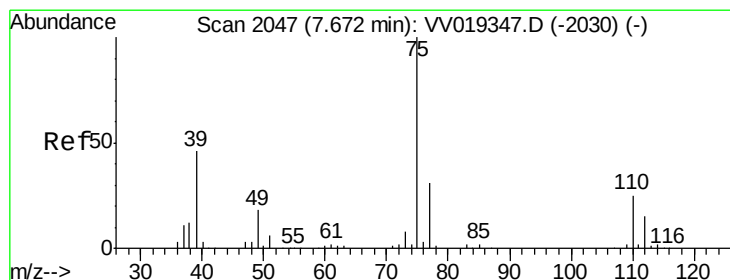
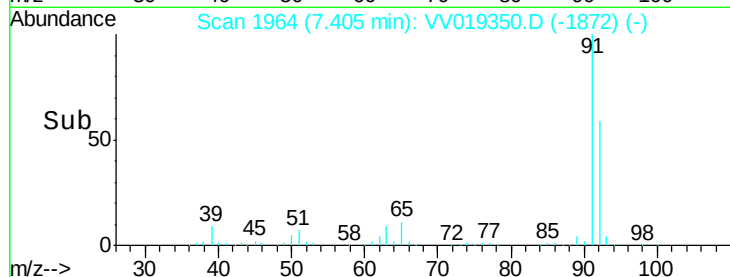
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.552 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019350.D

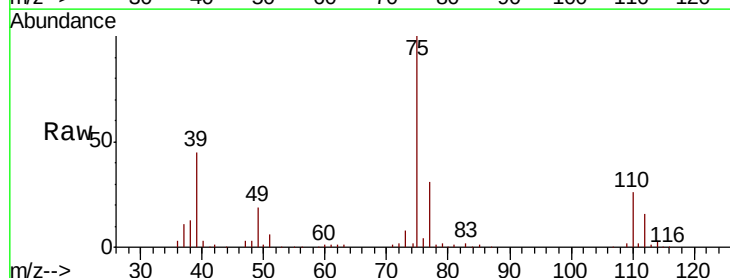
Acq: 12 Nov 2020 13:48

Tgt Ion: 75 Resp: 122695

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

80000

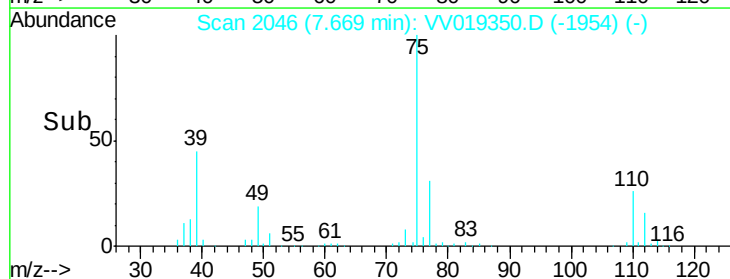
60000

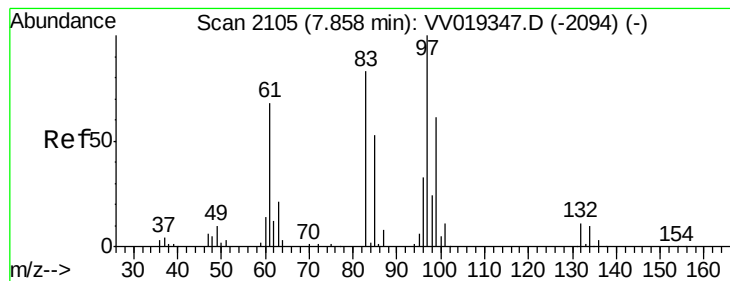
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.943 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

BFB93

Tot Ion: 97 Resp: 72035

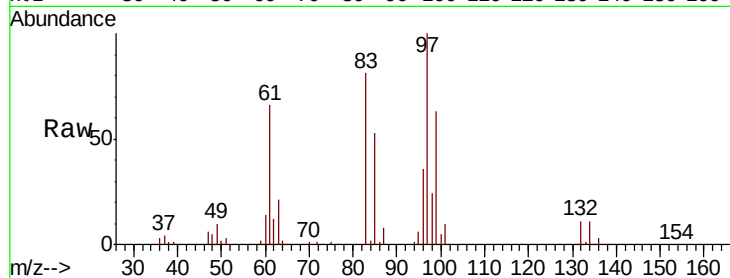
Ion Ratio Lower Upper

97 100

99 63.1 42.5 78.9

83 80.6 58.1 107.9

85 53.1 37.2 69.0

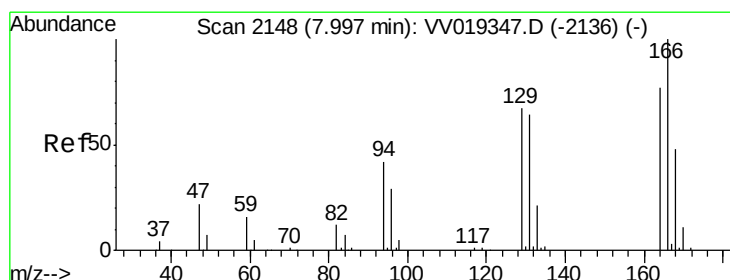
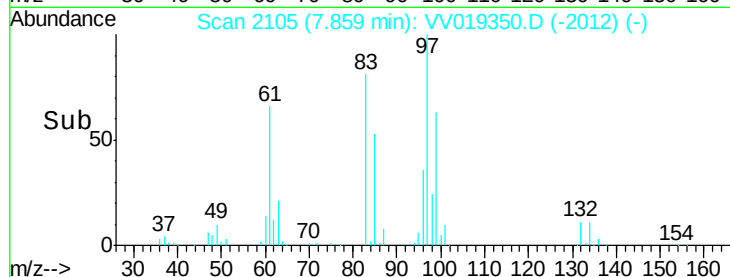
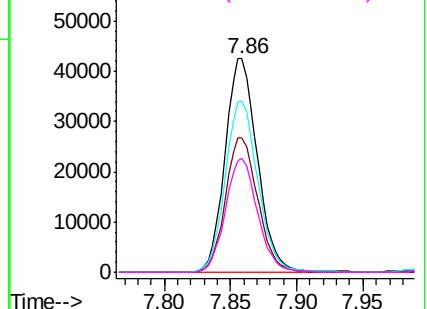


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 53.845 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Tgt Ion: 164 Resp: 75248

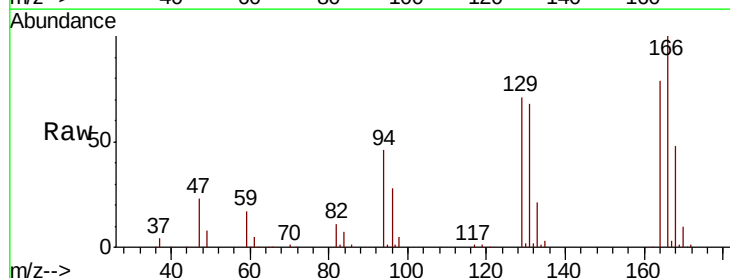
Ion Ratio Lower Upper

164 100

129 90.0 60.9 113.1

131 86.7 58.9 109.5

166 126.8 91.4 169.8

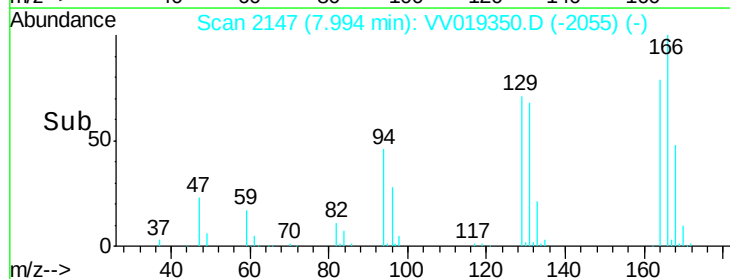
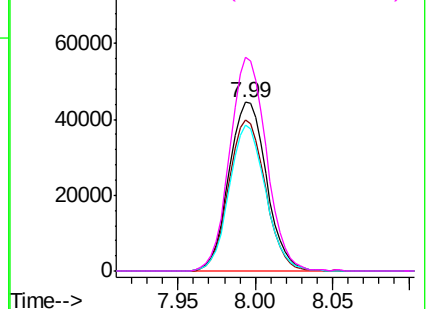


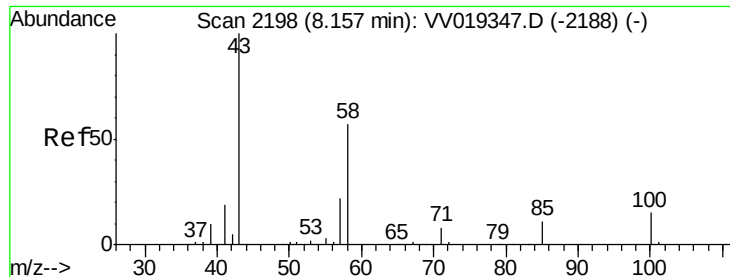
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

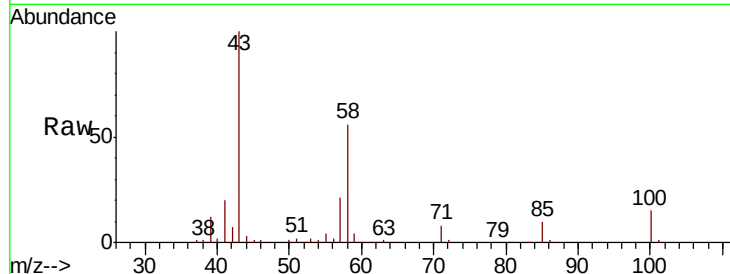




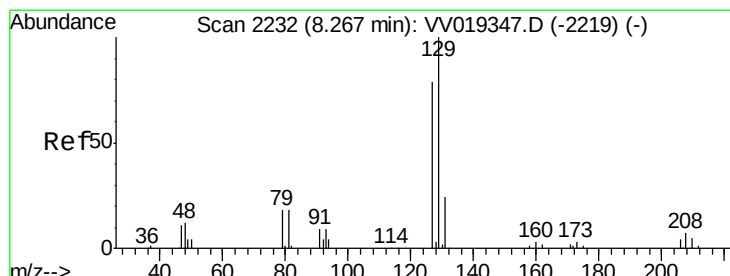
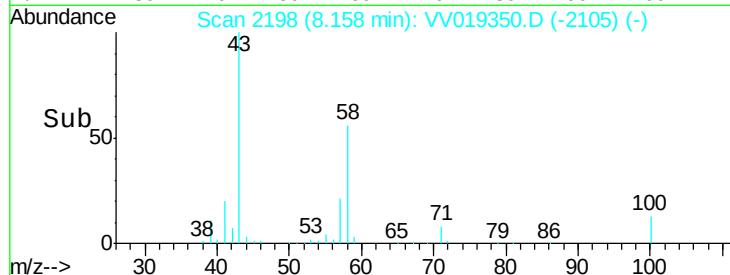
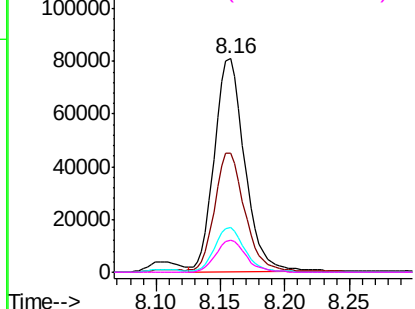
#48
2-Hexanone
Concen: 104.532 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Instrument :
MSVOA_V
ClientSampleId :
BFB93

Tot Ion: 43 Resp: 132159
Ion Ratio Lower Upper
43 100
58 54.7 43.6 65.4
57 20.5 17.2 25.8
100 15.1 11.9 17.9

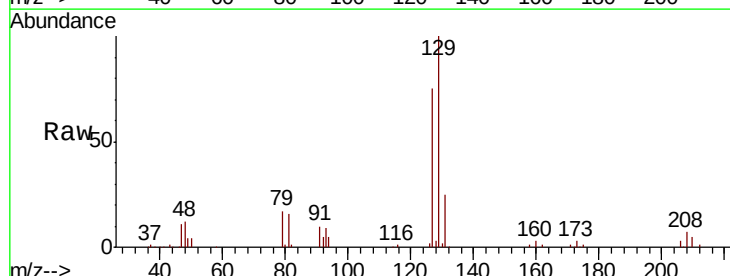


Abundance Ion 43.00 (42.70 to 43.70): VV019350.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV019350.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV019350.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV019350.D (-2105) (-)

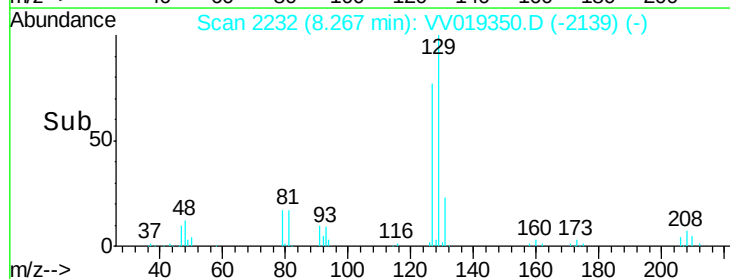
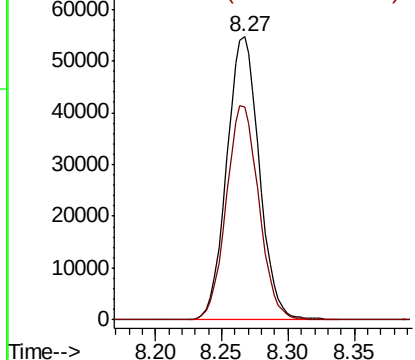


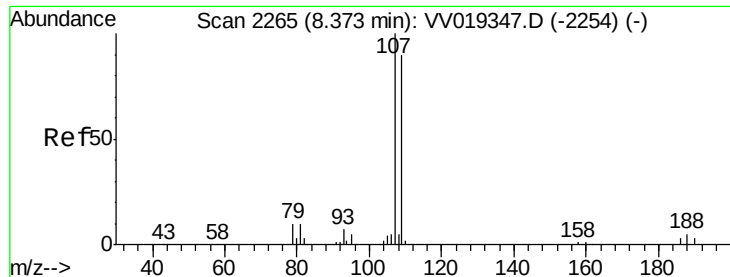
#49
Dibromochloromethane
Concen: 52.366 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Tgt Ion: 129 Resp: 93199
Ion Ratio Lower Upper
129 100
127 75.4 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VV019350.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019350.D (-2139) (-)

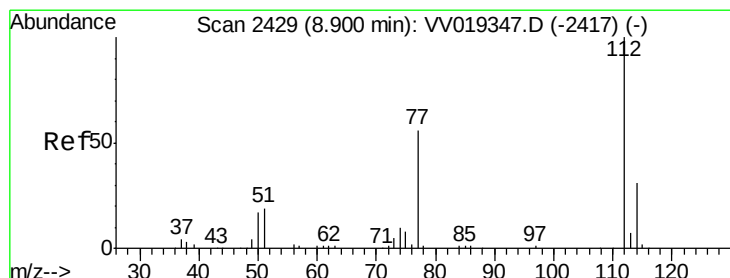
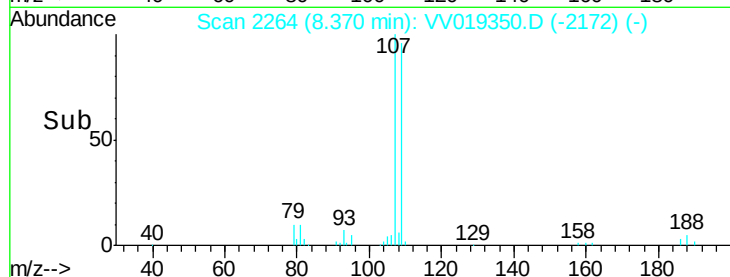
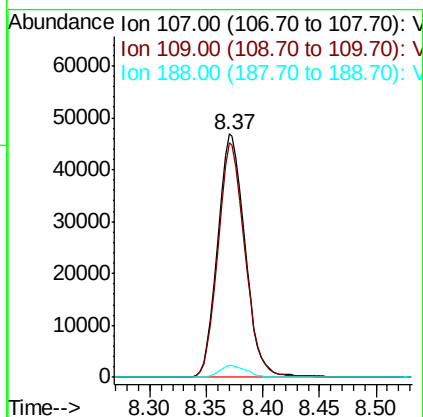
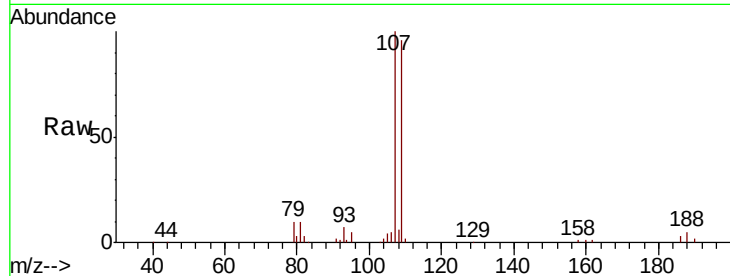




#50
1,2-Dibromoethane
Concen: 52.156 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

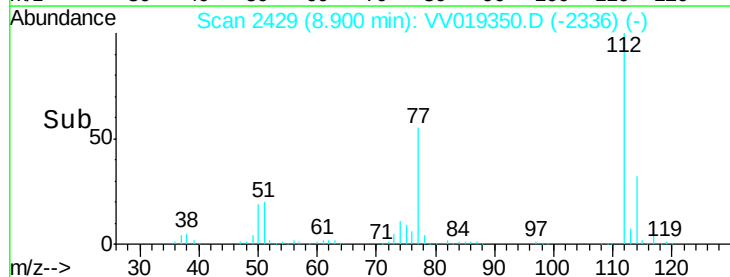
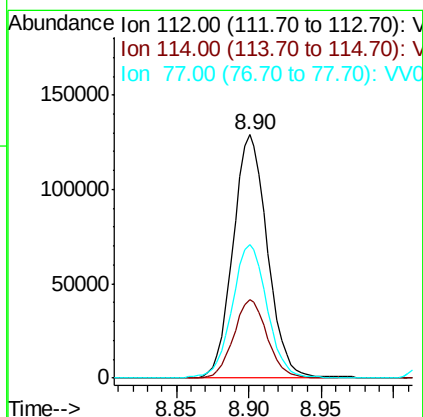
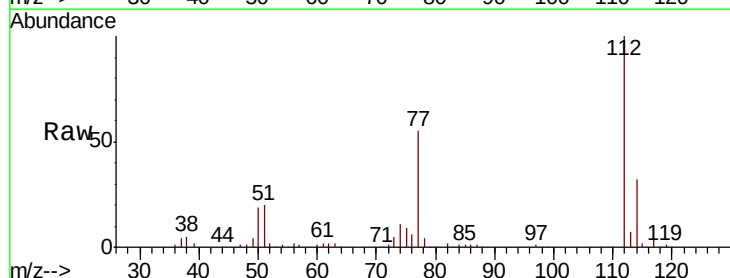
Instrument :
MSVOA_V
ClientSampleId :
BFB93

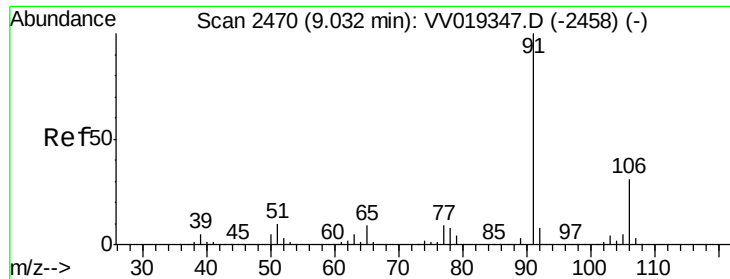
Tot Ion:107 Resp: 79134
Ion Ratio Lower Upper
107 100
109 96.2 62.9 116.9
188 4.8 3.6 5.4



#51
Chlorobenzene
Concen: 52.225 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Tgt Ion:112 Resp: 212527
Ion Ratio Lower Upper
112 100
114 32.2 21.8 40.6
77 55.1 45.1 67.7





#52

Ethylbenzene

Concen: 52.443 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampled :

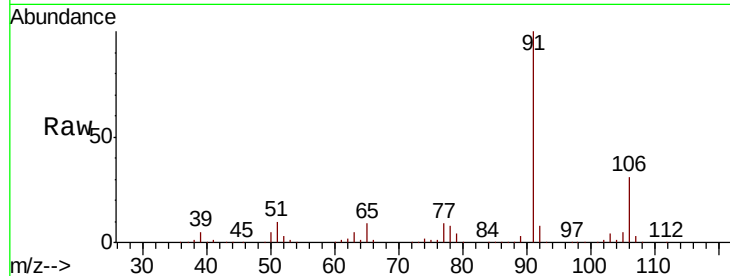
BFB93

Tot Ion: 91 Resp: 347057

Ion Ratio Lower Upper

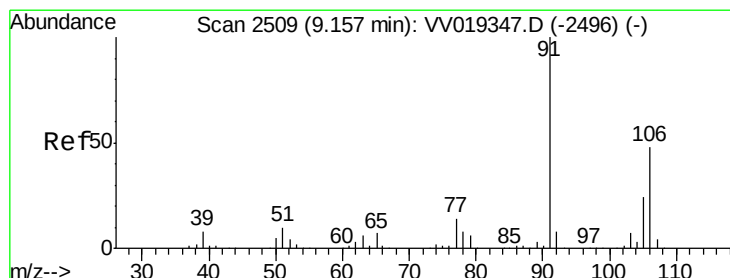
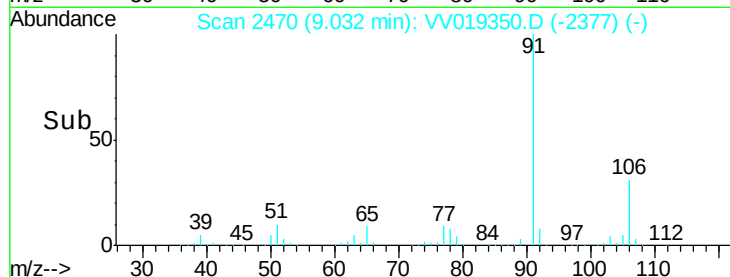
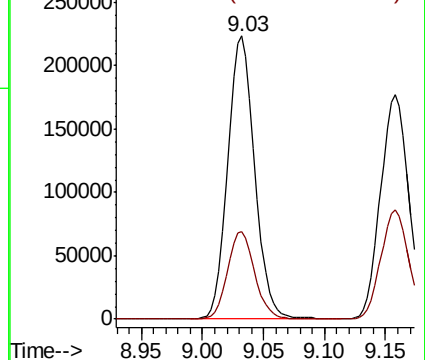
91 100

106 31.0 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 53.378 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019350.D

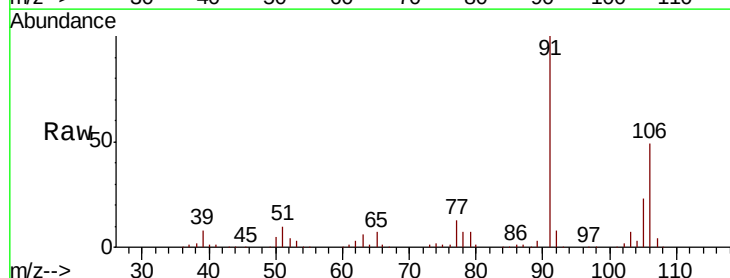
Acq: 12 Nov 2020 13:48

Tgt Ion: 106 Resp: 136786

Ion Ratio Lower Upper

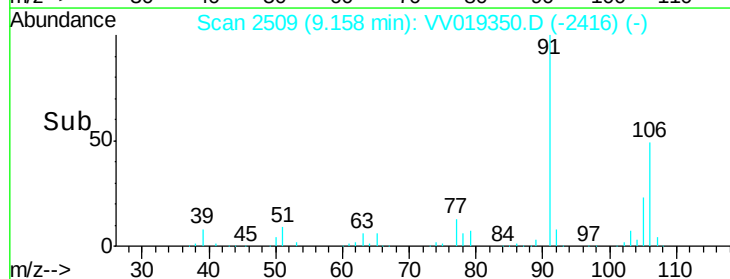
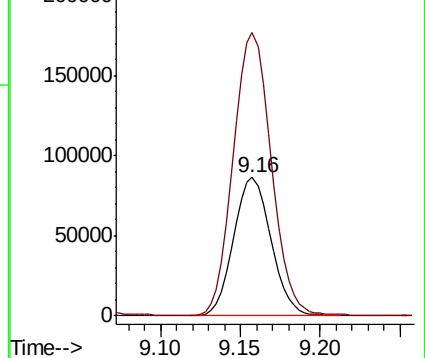
106 100

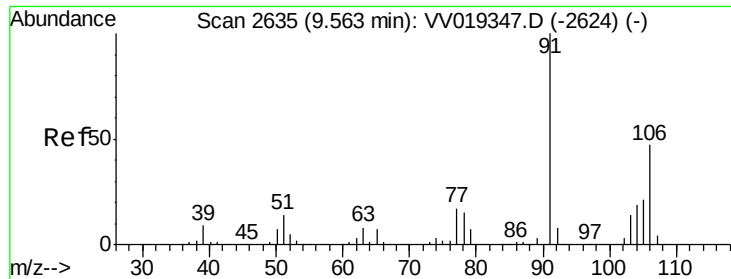
91 204.8 144.9 269.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

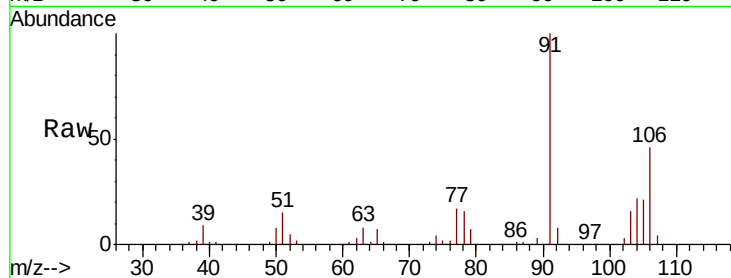




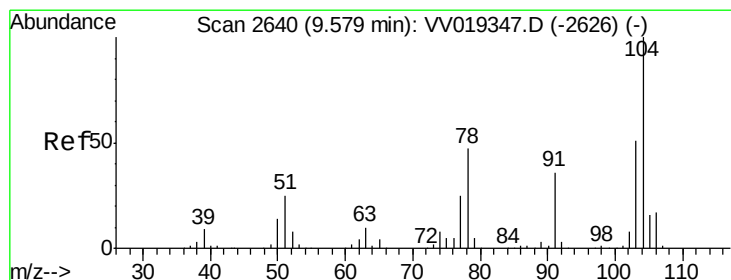
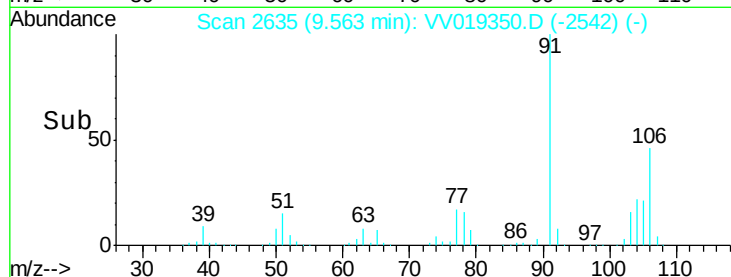
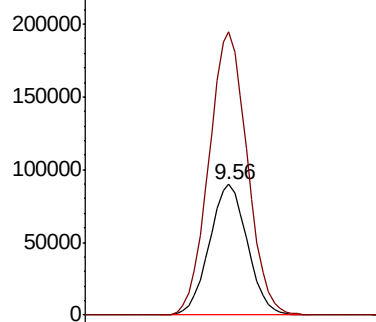
#54
o-xylene
Concen: 53.755 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Instrument :
MSVOA_V
ClientSampled :
BFB93

Tot Ion:106 Resp: 133213
Ion Ratio Lower Upper
106 100
91 216.6 149.3 277.3

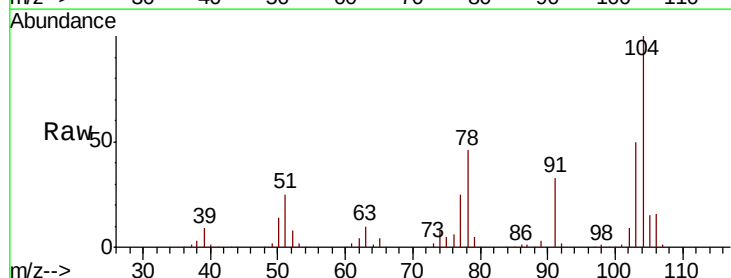


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

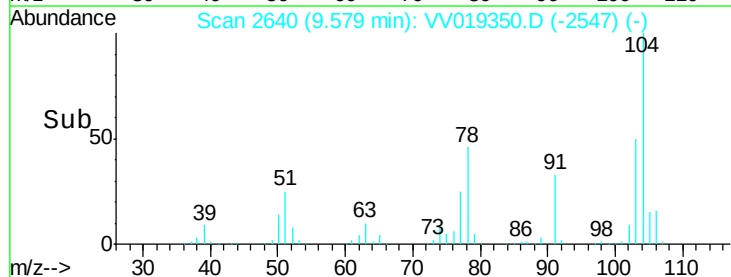
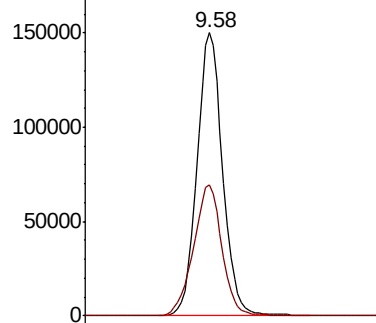


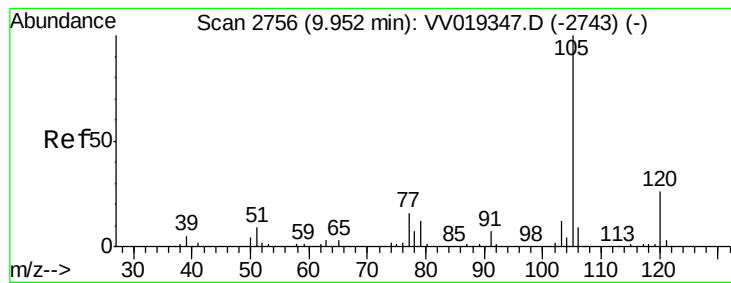
#55
Styrene
Concen: 55.038 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019350.D
Acq: 12 Nov 2020 13:48

Tgt Ion:104 Resp: 241207
Ion Ratio Lower Upper
104 100
78 46.2 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.490 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampled :

BFB93

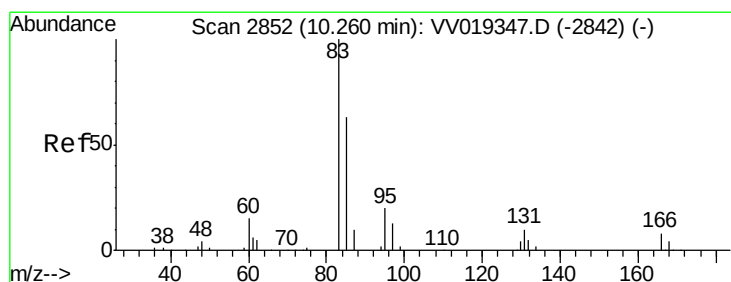
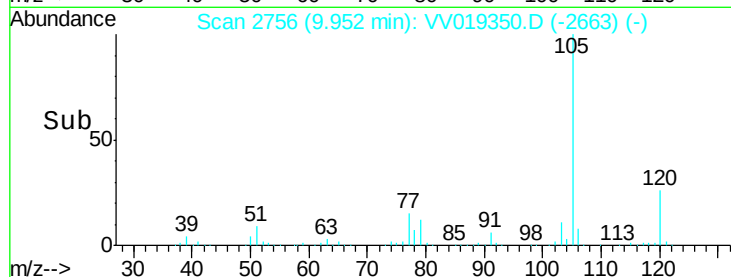
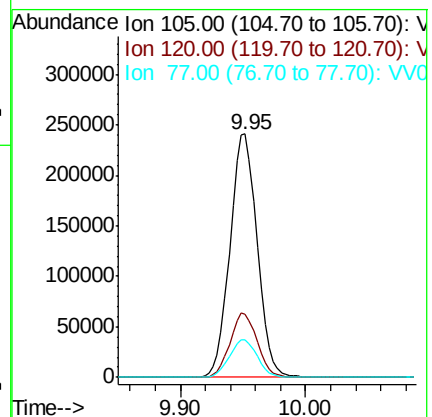
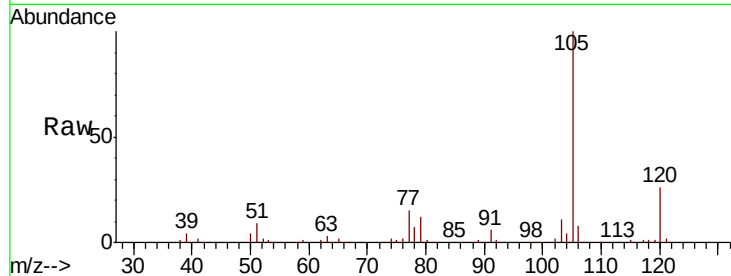
Tot Ion:105 Resp: 362576

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

77 15.9 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 52.432 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

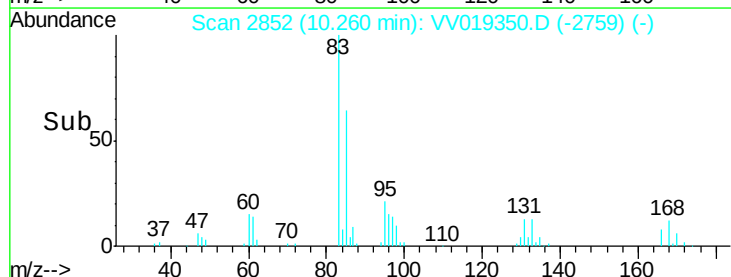
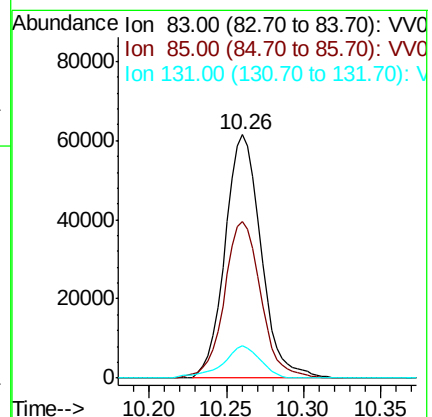
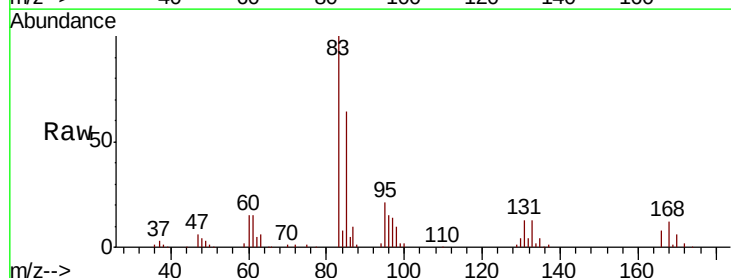
Tgt Ion: 83 Resp: 99359

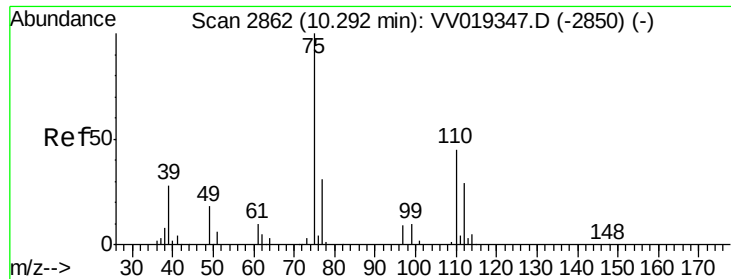
Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

131 13.2 9.6 14.4





#59

1,2,3-Trichloropropane

Concen: 51.182 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

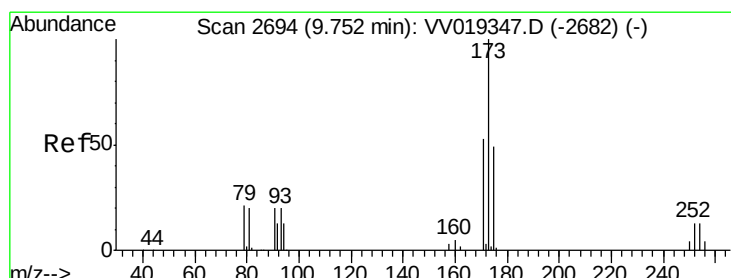
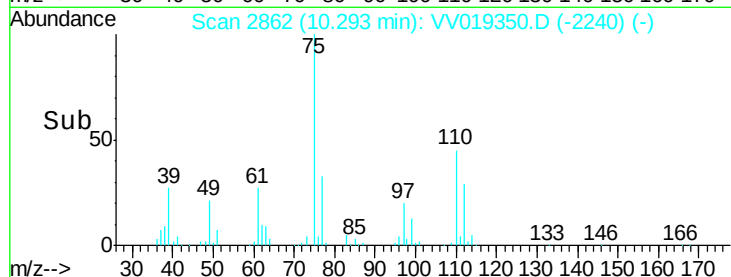
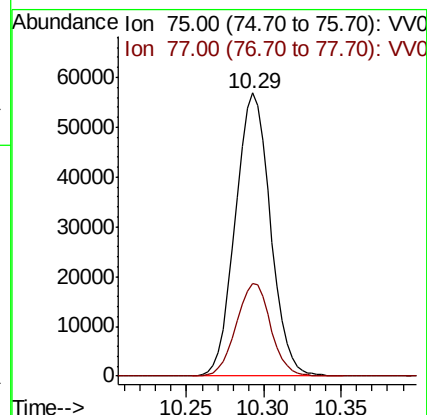
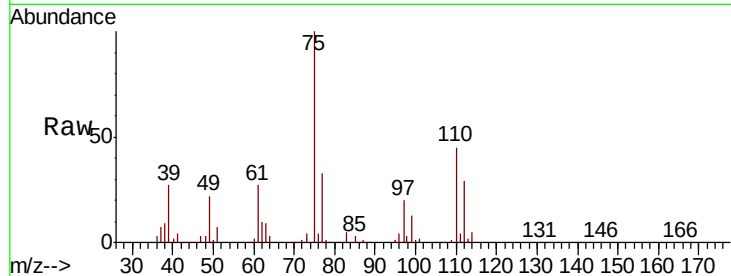
BFB93

Tot Ion: 75 Resp: 89365

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4



#61

Bromoform

Concen: 50.539 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

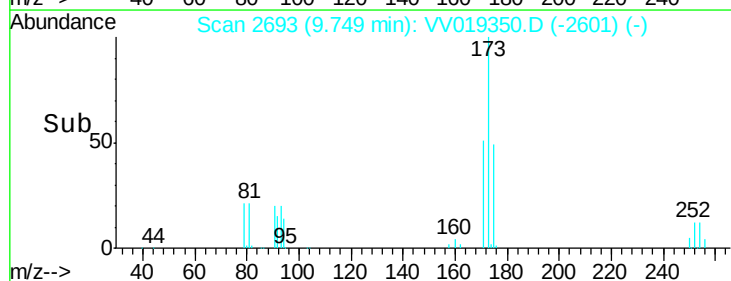
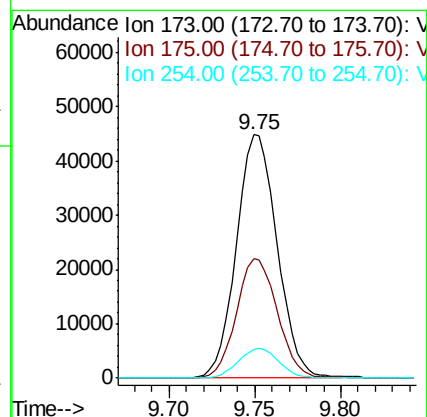
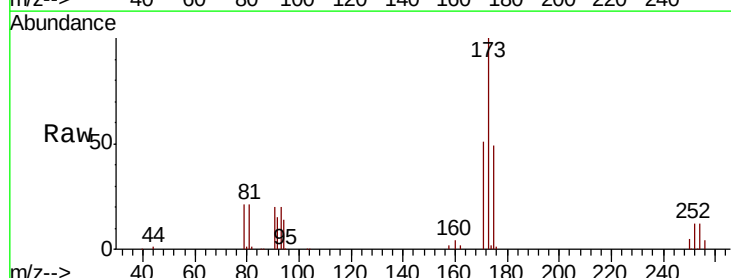
Tgt Ion: 173 Resp: 74166

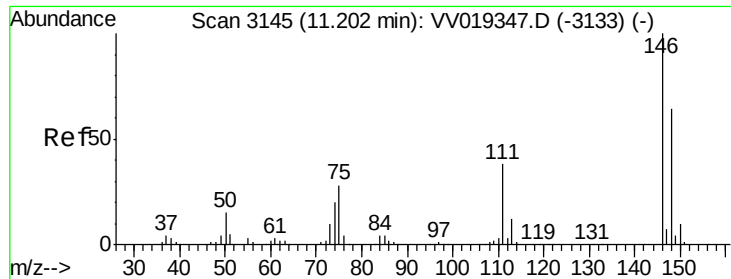
Ion Ratio Lower Upper

173 100

175 49.1 38.3 57.5

254 12.1 10.3 15.5

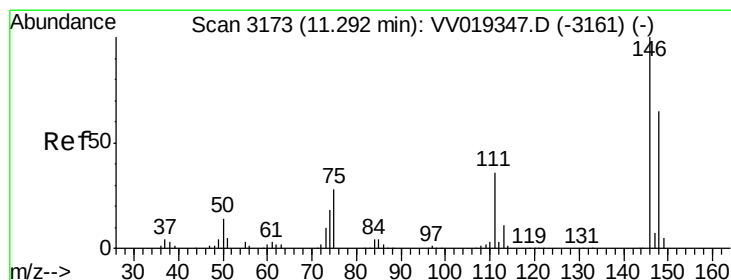
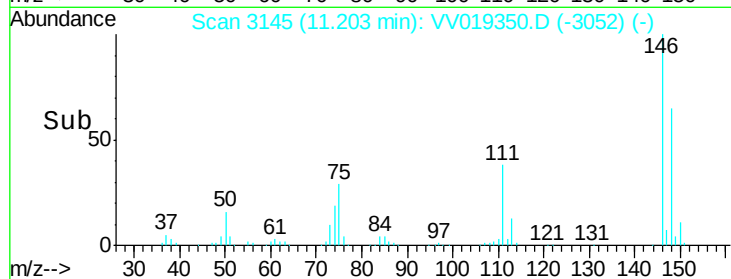
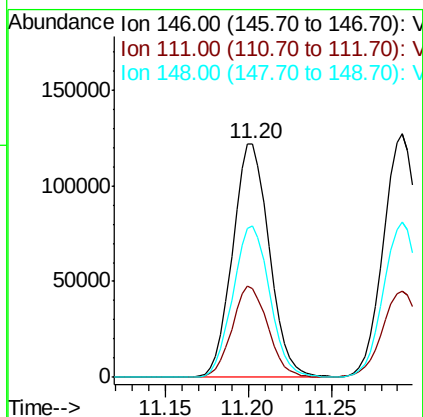
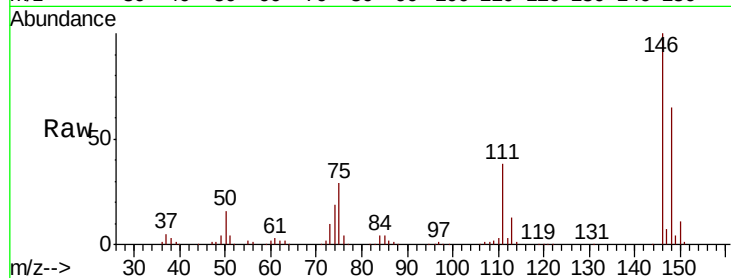




#62
 1,3-Dichlorobenzene
 Concen: 51.844 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019350.D
 Acq: 12 Nov 2020 13:48

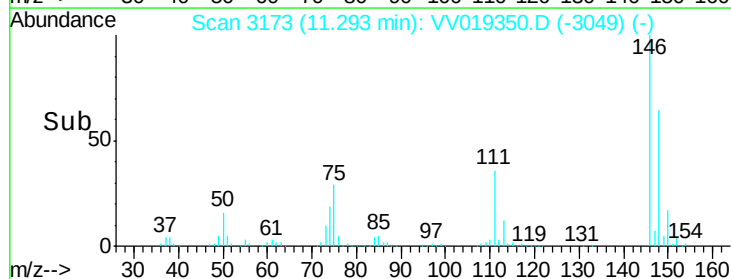
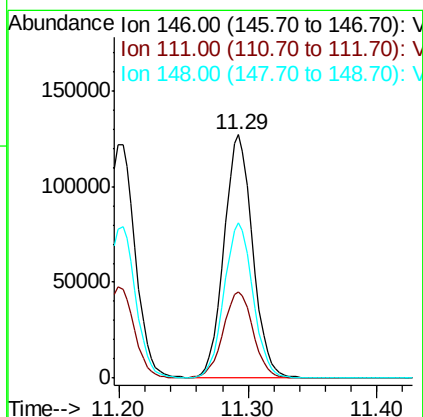
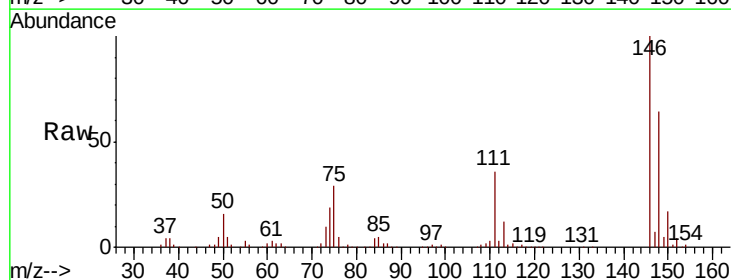
Instrument :
 MSVOA_V
 ClientSampled :
 BFB93

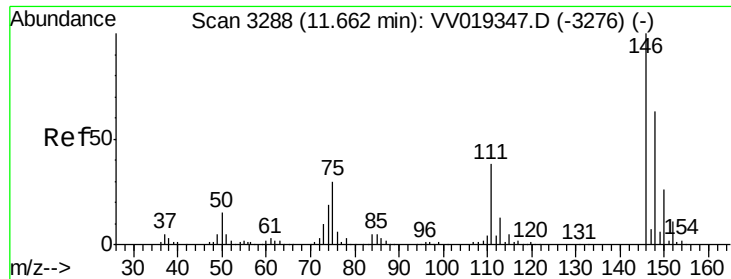
Tot Ion:146 Resp: 187752
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.5 49.3
 148 64.9 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 51.436 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019350.D
 Acq: 12 Nov 2020 13:48

Tgt Ion:146 Resp: 194861
 Ion Ratio Lower Upper
 146 100
 111 35.6 25.1 46.7
 148 64.0 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 51.378 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

BFB93

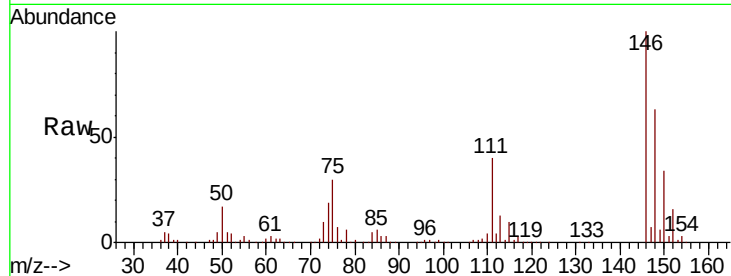
Tot Ion:146 Resp: 188260

Ion Ratio Lower Upper

146 100

111 39.7 30.6 45.8

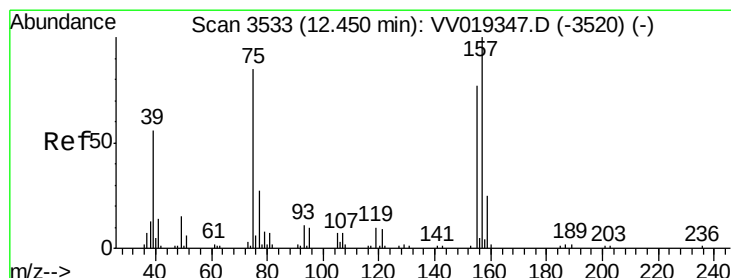
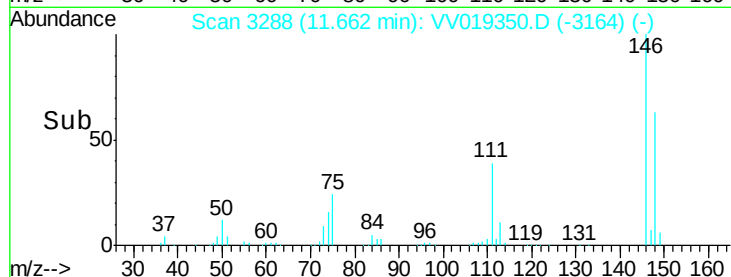
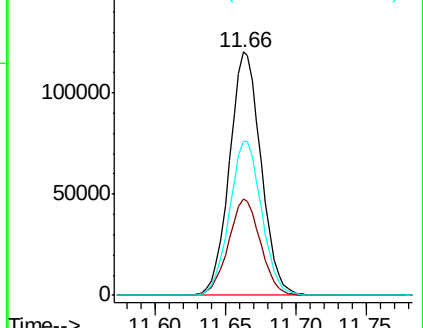
148 63.3 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.357 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

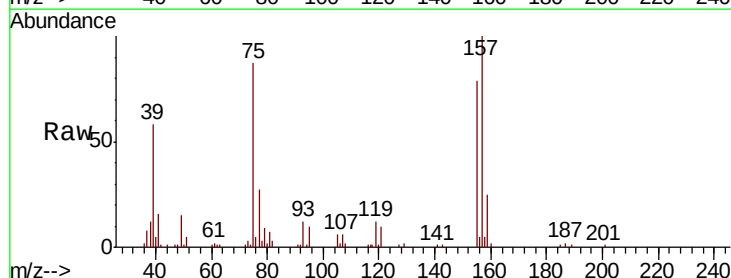
Tgt Ion: 75 Resp: 26652

Ion Ratio Lower Upper

75 100

155 91.3 72.2 108.2

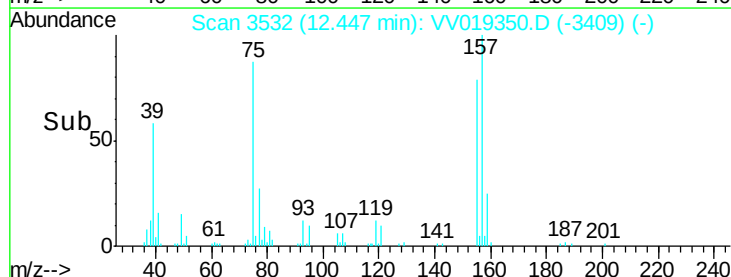
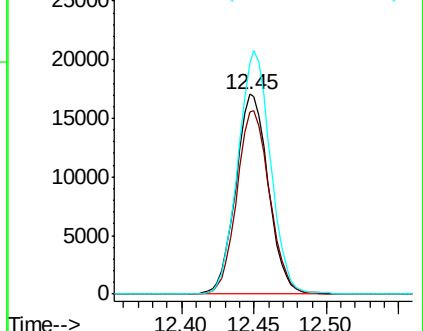
157 115.3 94.1 141.1

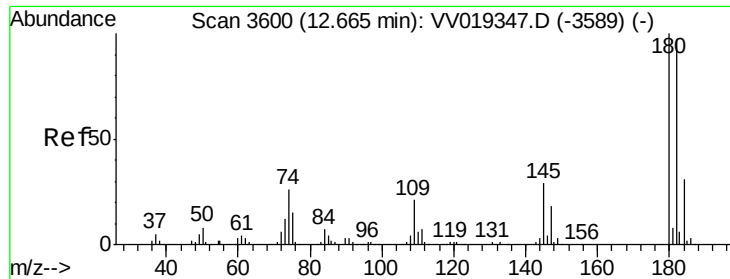


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

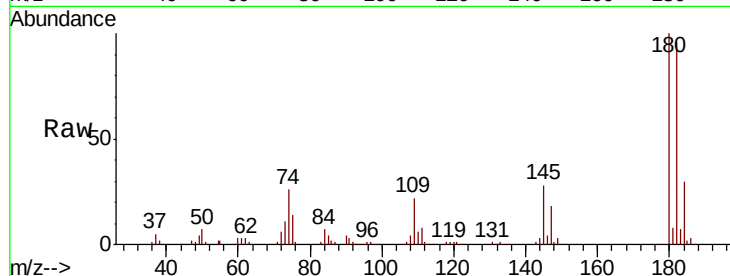




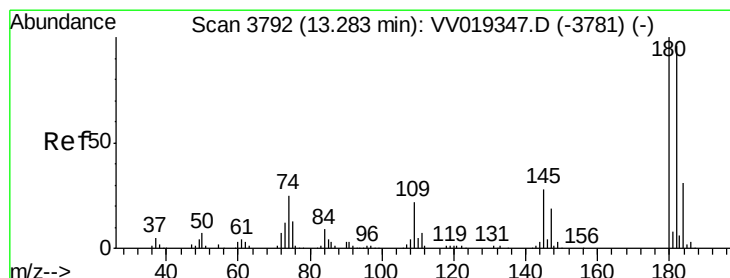
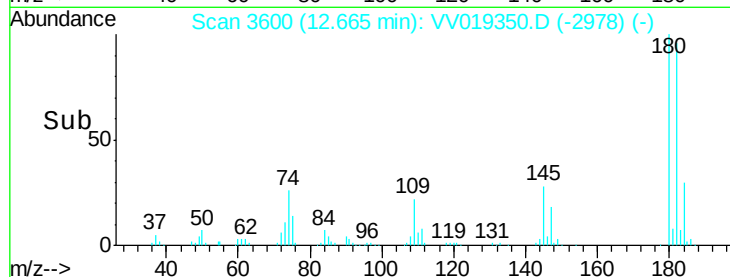
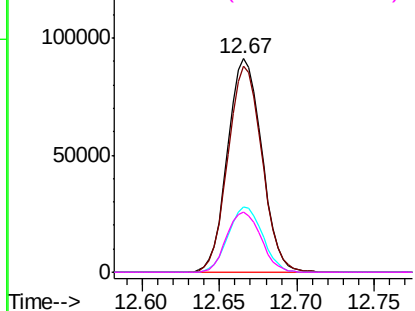
#67
 1,3,5-Trichlorobenzene
 Concen: 50.423 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019350.D
 Acq: 12 Nov 2020 13:48

Instrument :
 MSVOA_V
 ClientSampled :
 BFB93

Tot Ion:180	Resp:	139988
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.5 114.7
184	30.5	24.6 36.8
145	28.2	22.4 33.6

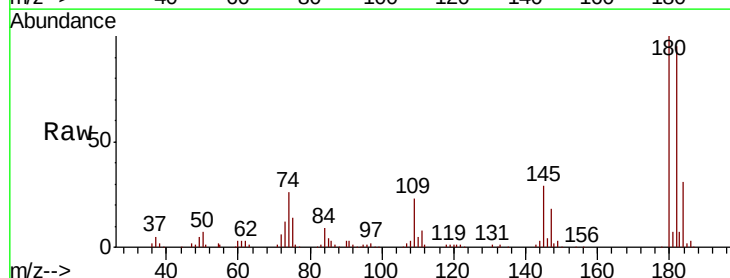


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

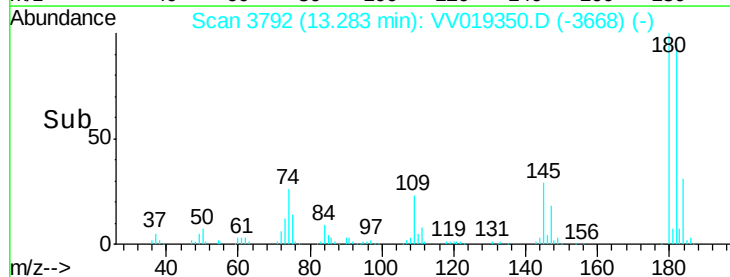
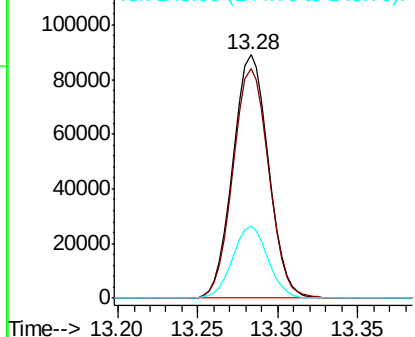


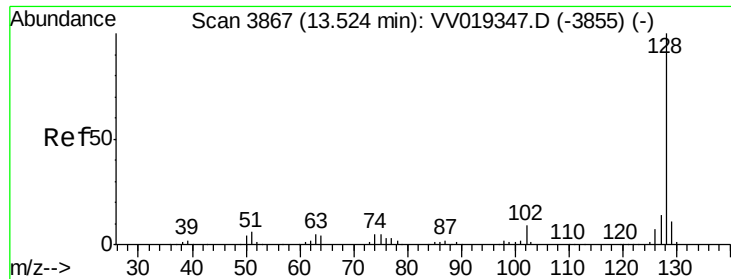
#68
 1,2,4-trichlorobenzene
 Concen: 53.967 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019350.D
 Acq: 12 Nov 2020 13:48

Tgt Ion:180	Resp:	134786
Ion Ratio	Lower	Upper
180	100	
182	94.9	77.0 115.4
145	29.1	22.5 33.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 59.329 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

BFB93

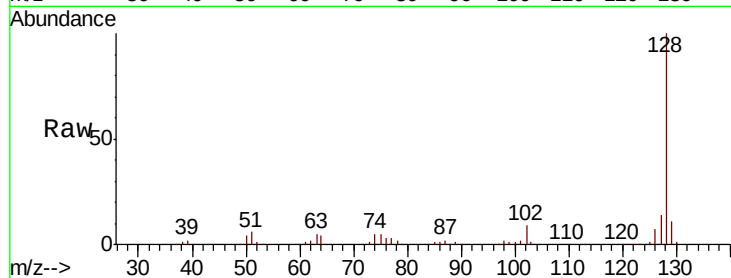
Tot Ion:128 Resp: 349940

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

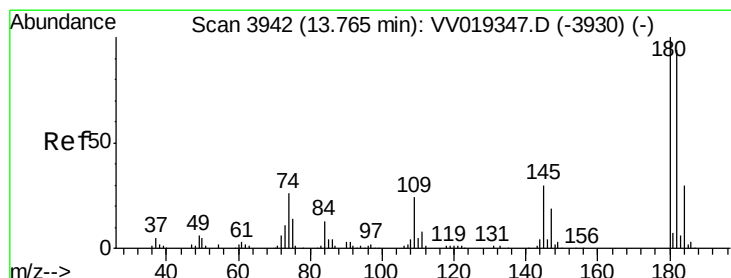
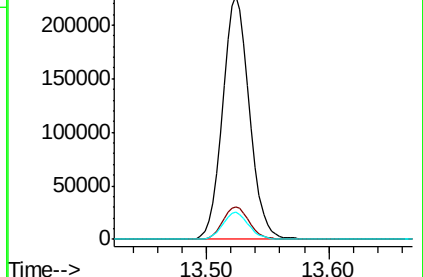
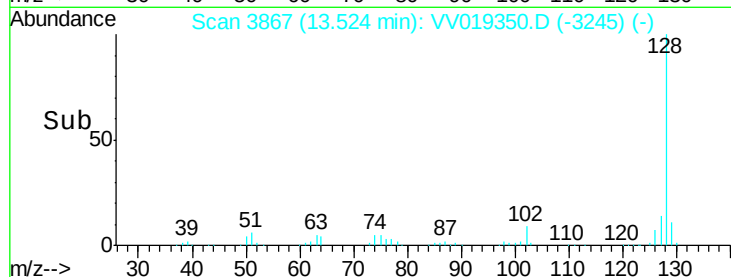
129 10.8 8.7 13.1



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



#70

1,2,3-Trichlorobenzene

Concen: 54.258 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019350.D

Acq: 12 Nov 2020 13:48

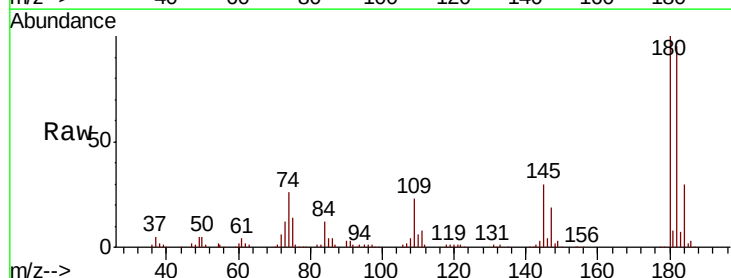
Tgt Ion:180 Resp: 136355

Ion Ratio Lower Upper

180 100

182 93.9 76.0 114.0

145 30.0 24.2 36.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

