

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019212.D
 Acq On : 02 Nov 2020 20:33
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

Quant Time: Nov 03 05:15:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:57:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	241051	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	230539	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	124855	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91864	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.76%
7) Chloroethane-d5	1.58	69	72977	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.12%
11) 1,1-Dichloroethene-d2	2.13	63	169982	49.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.70%
21) 2-Butanone-d5	3.91	46	117016	114.08	ug/L	-0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.08%
24) Chloroform-d	4.38	84	178082	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
26) 1,2-Dichloroethane-d4	5.06	65	121466	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
32) Benzene-d6	5.07	84	324068	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
36) 1,2-Dichloropropane-d6	6.09	67	99033	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.20%
41) Toluene-d8	7.34	98	305752	51.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.12%
43) trans-1,3-Dichloropropene-	7.64	79	56827	52.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.62%
47) 2-Hexanone-d5	8.11	63	83465	113.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.12%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	133719	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
66) 1,2-Dichlorobenzene-d4	11.65	152	126976	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	73748	49.939	ug/L 100
3) Chloromethane	1.25	50	79596	51.763	ug/L 99
5) Vinyl chloride	1.32	62	82155	51.327	ug/L 99
6) Bromomethane	1.53	94	57941	53.862	ug/L 100
8) Chloroethane	1.60	64	54613	52.169	ug/L 99
9) Trichlorofluoromethane	1.77	101	133492	50.378	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	63381	50.340	ug/L 99
12) 1,1-Dichloroethene	2.14	96	66051	50.757	ug/L 98
13) Acetone	2.19	43	80277	102.911	ug/L 99
14) Carbon disulfide	2.31	76	189858	50.809	ug/L 99
15) Methyl Acetate	2.45	43	80399	53.193	ug/L 99
16) Methylene chloride	2.52	84	80732	52.189	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	72290	51.207	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	267549	53.916	ug/L 99
19) 1,1-Dichloroethane	3.21	63	142815	51.633	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	82558	52.919	ug/L 99
22) 2-Butanone	3.99	43	109978	111.068	ug/L 100

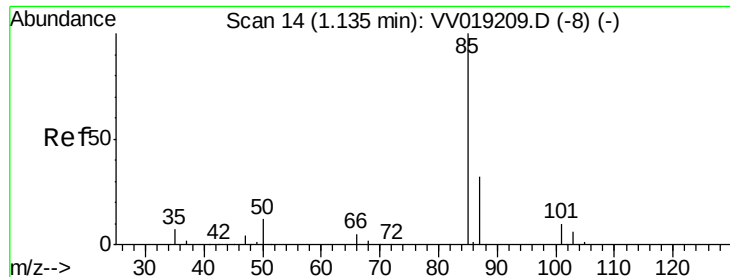
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019212.D
 Acq On : 02 Nov 2020 20:33
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

Quant Time: Nov 03 05:15:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:57:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	45691	53.191	ug/L	96
25) Chloroform	4.40	83	155947	52.588	ug/L	100
27) 1,2-Dichloroethane	5.15	62	133373	52.911	ug/L	100
29) Cyclohexane	4.70	56	102355	51.881	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	138561	51.823	ug/L	100
31) Carbon tetrachloride	4.86	117	118337	51.259	ug/L	100
33) Benzene	5.13	78	305392	53.303	ug/L	100
34) Trichloroethene	5.94	95	79749	51.220	ug/L	98
35) Methylcyclohexane	6.15	83	97195	51.575	ug/L	99
37) 1,2-Dichloropropane	6.20	63	78639	51.430	ug/L	99
38) Bromodichloromethane	6.53	83	118035	53.640	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	130741	53.437	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	225305	109.684	ug/L	98
42) Toluene	7.41	91	327585	52.897	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	137943	55.021	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	79582	52.658	ug/L	98
46) Tetrachloroethene	8.00	164	63916	50.311	ug/L	99
48) 2-Hexanone	8.16	43	171266	110.283	ug/L	99
49) Dibromochloromethane	8.27	129	97709	54.211	ug/L	99
50) 1,2-Dibromoethane	8.37	107	84350	53.846	ug/L	97
51) Chlorobenzene	8.90	112	217040	52.394	ug/L	99
52) Ethylbenzene	9.03	91	356511	52.179	ug/L	99
53) m,p-Xylene	9.16	106	134192	52.460	ug/L	96
54) o-Xylene	9.56	106	134543	53.361	ug/L	100
55) Styrene	9.58	104	240595	53.607	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	122005	53.361	ug/L	98
59) Bromoform	9.75	173	75567	54.533	ug/L	99
60) Isopropylbenzene	9.95	105	349871	53.467	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	103545	53.381	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	293732	53.894	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	286895	53.796	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	178963	52.285	ug/L	100
65) 1,4-Dichlorobenzene	11.29	146	186984	52.802	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	182502	52.117	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.45	75	31766	56.135	ug/L	99
69) 1,3,5-Trichlorobenzene	12.67	180	129953	52.897	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	124986	54.068	ug/L	99
71) Naphthalene	13.52	128	379137	58.155	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	127897	55.813	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.939 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

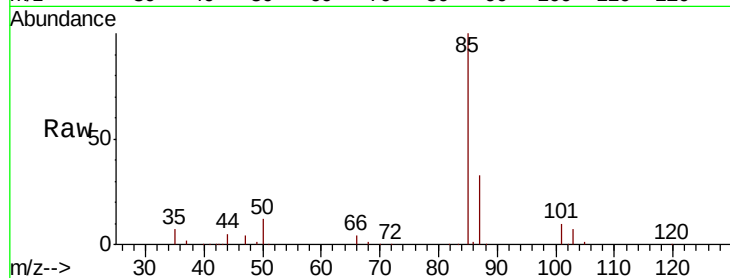
VICV307

Tot Ion: 85 Resp: 73748

Ion Ratio Lower Upper

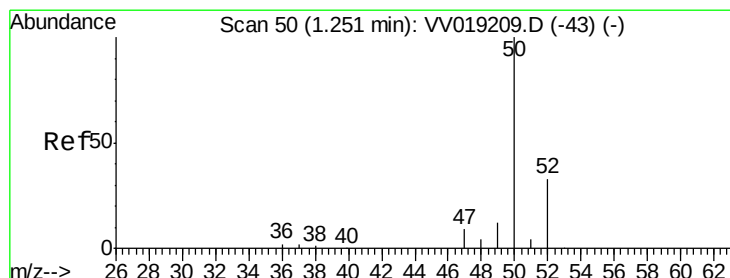
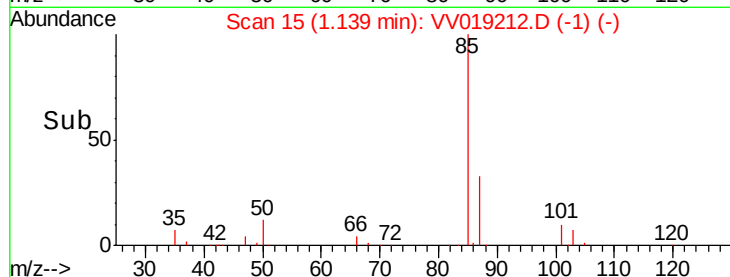
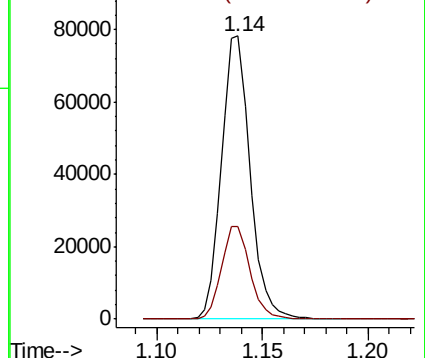
85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.763 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019212.D

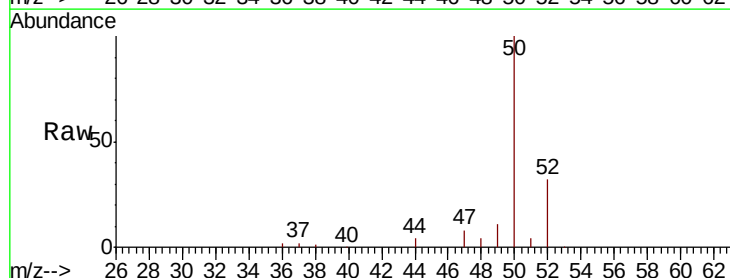
Acq: 02 Nov 2020 20:33

Tgt Ion: 50 Resp: 79596

Ion Ratio Lower Upper

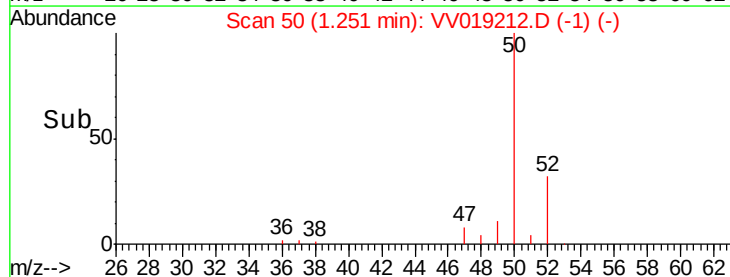
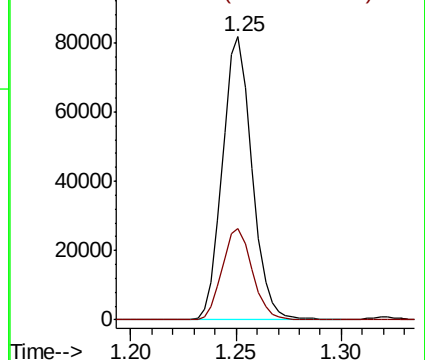
50 100

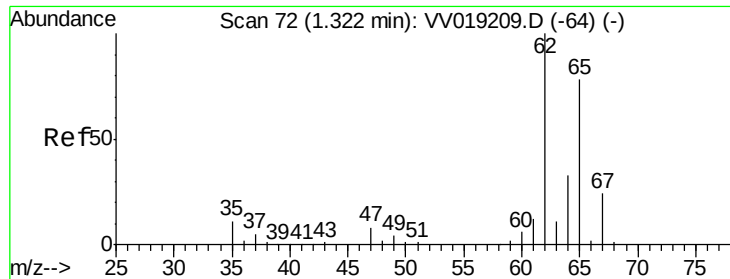
52 32.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.327 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

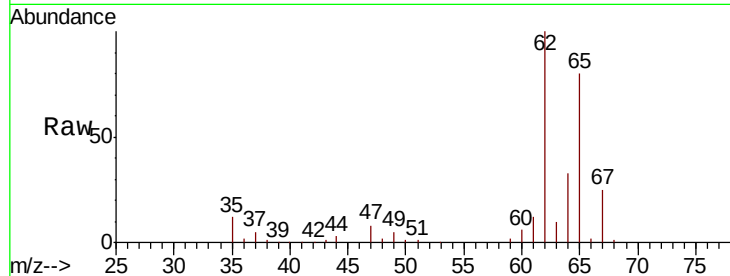
VICV307

Tot Ion: 62 Resp: 82155

Ion Ratio Lower Upper

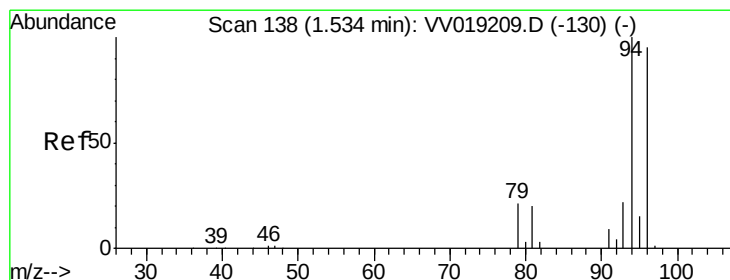
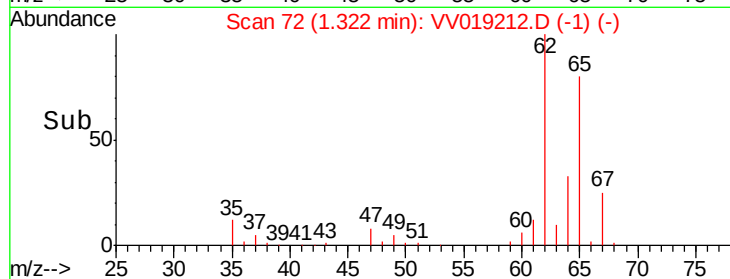
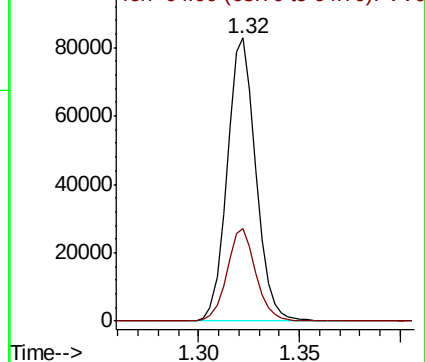
62 100

64 32.6 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 53.862 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019212.D

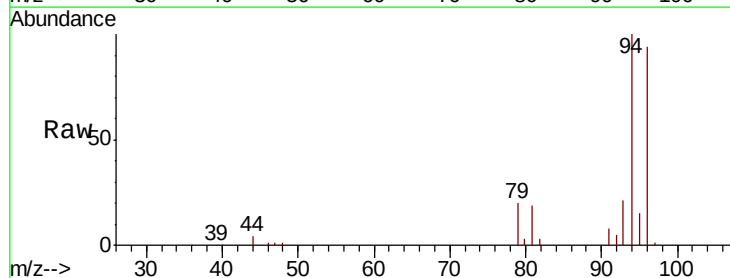
Acq: 02 Nov 2020 20:33

Tgt Ion: 94 Resp: 57941

Ion Ratio Lower Upper

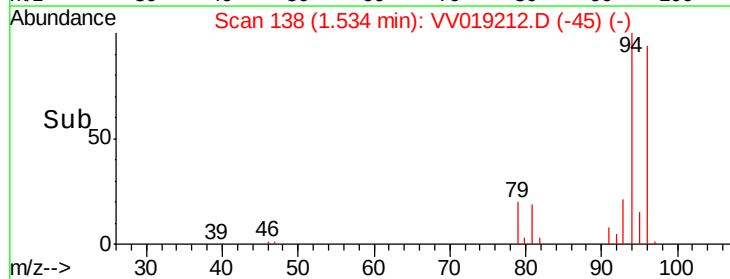
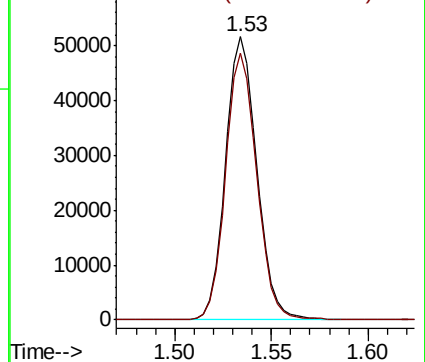
94 100

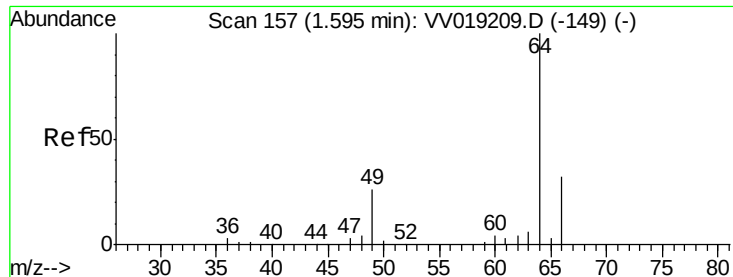
96 94.4 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

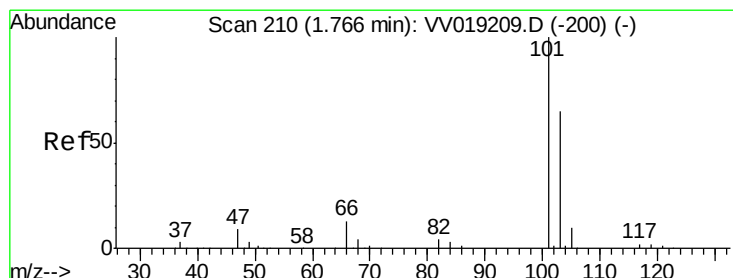
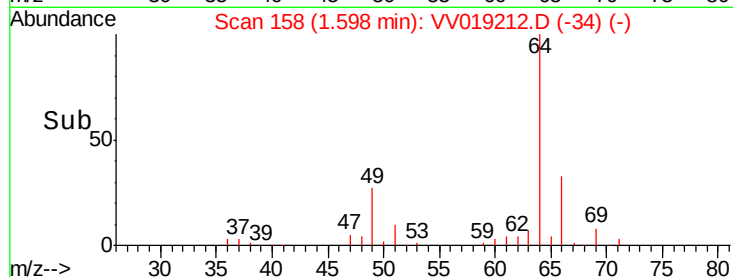
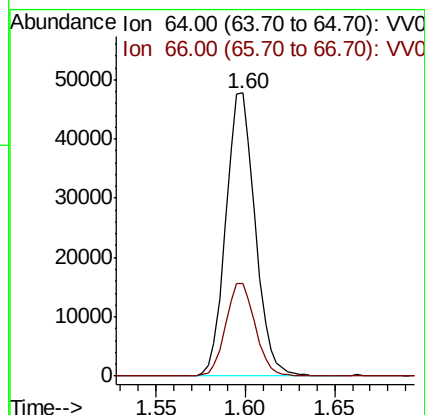
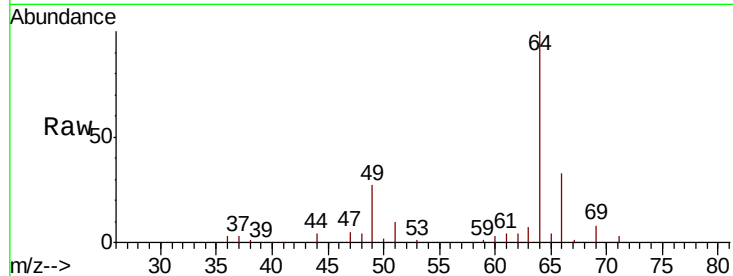




#8
 Chloroethane
 Concen: 52.169 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

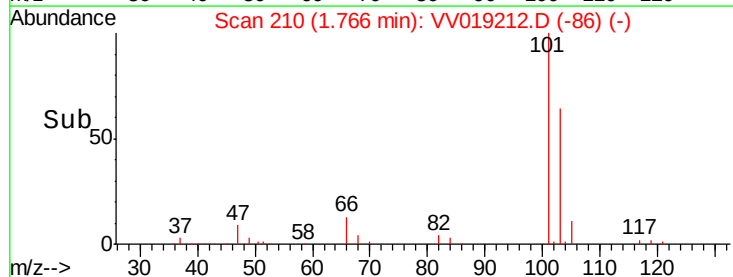
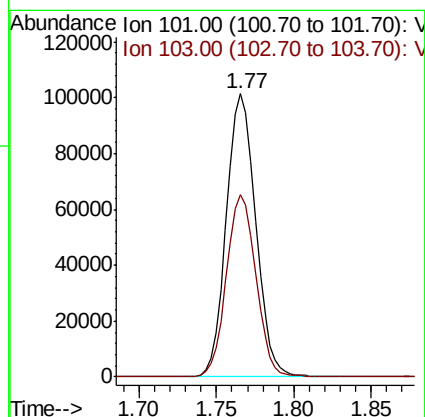
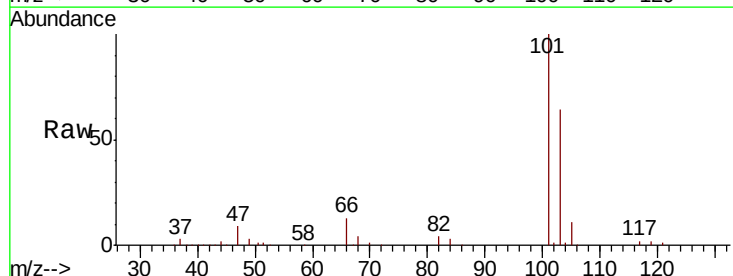
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

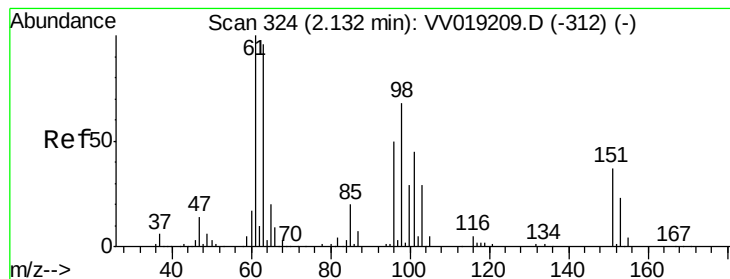
Tot Ion: 64 Resp: 54613
 Ion Ratio Lower Upper
 64 100
 66 32.6 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 50.378 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

Tgt Ion: 101 Resp: 133492
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.3 78.5





#10

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

Concen: 50.340 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VICV307

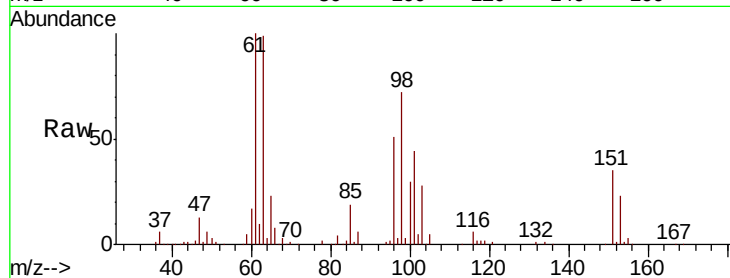
Tot Ion:101 Resp: 63381

Ion Ratio Lower Upper

101 100

85 45.0 35.6 53.4

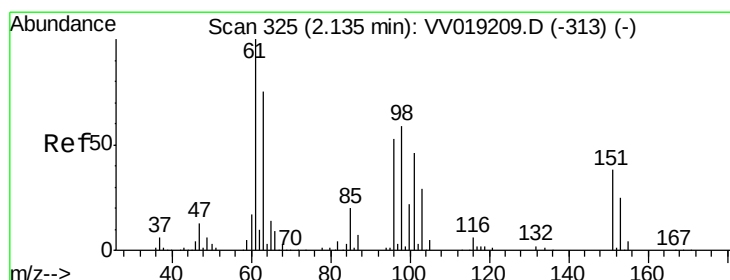
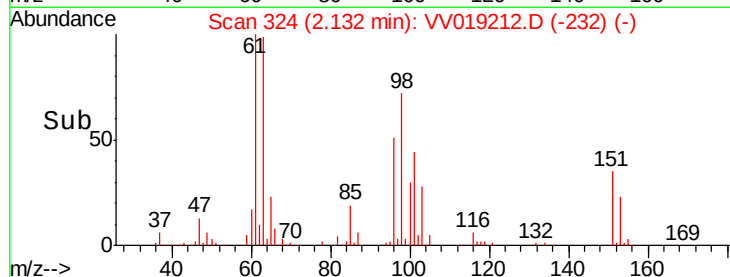
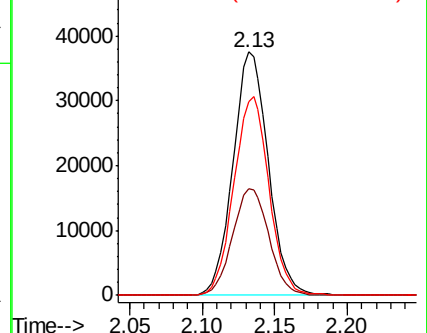
151 81.0 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.757 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

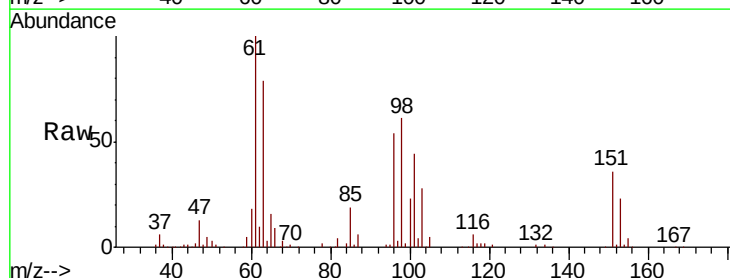
Tgt Ion: 96 Resp: 66051

Ion Ratio Lower Upper

96 100

61 185.4 133.6 248.0

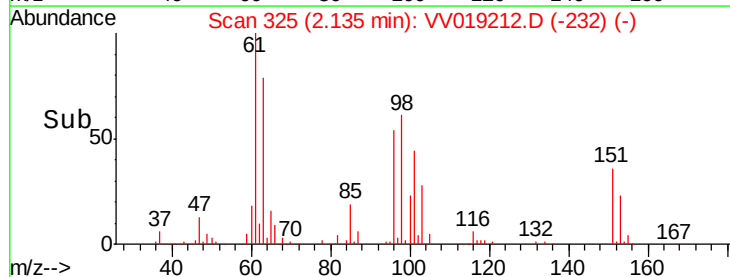
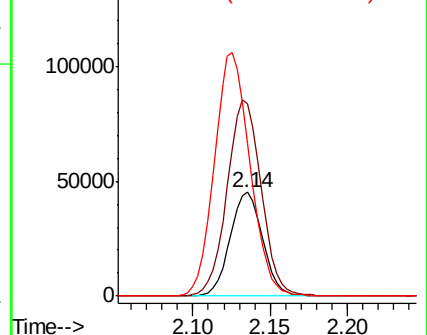
63 146.7 103.0 191.2

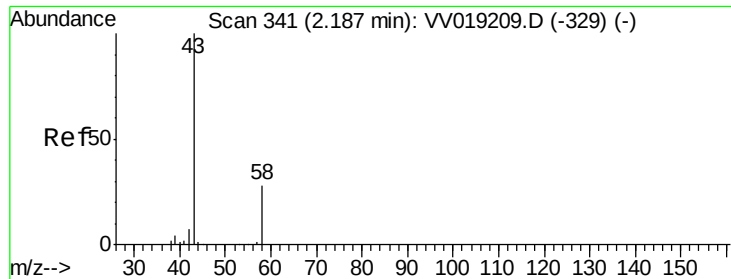


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 102.911 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

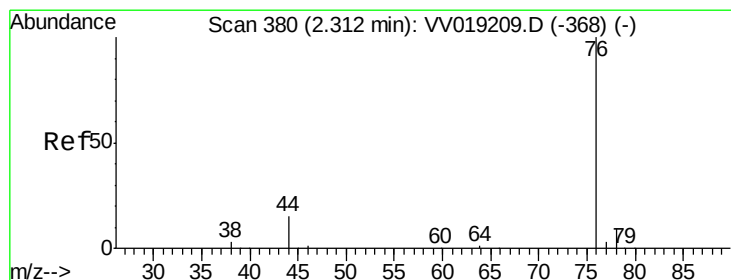
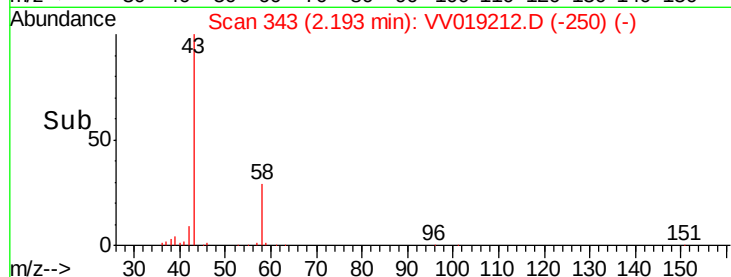
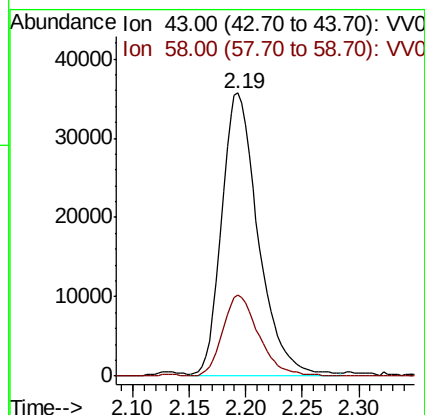
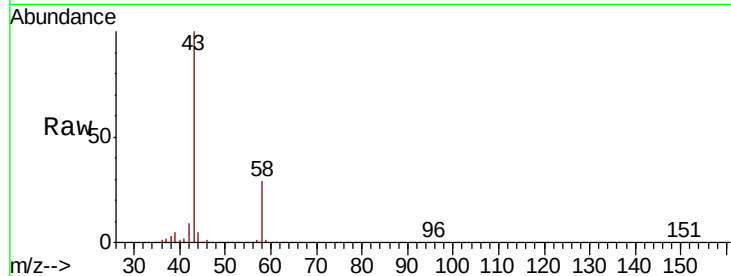
VICV307

Tot Ion: 43 Resp: 80277

Ion Ratio Lower Upper

43 100

58 28.5 0.0 57.8



#14

Carbon disulfide

Concen: 50.809 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019212.D

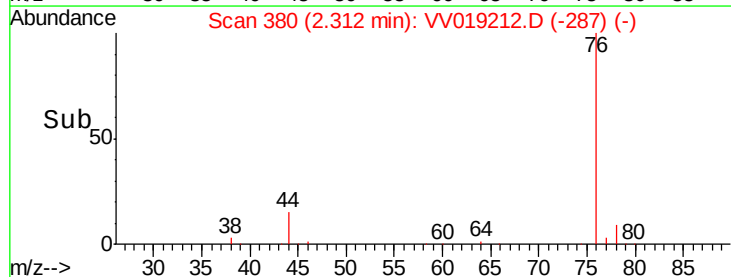
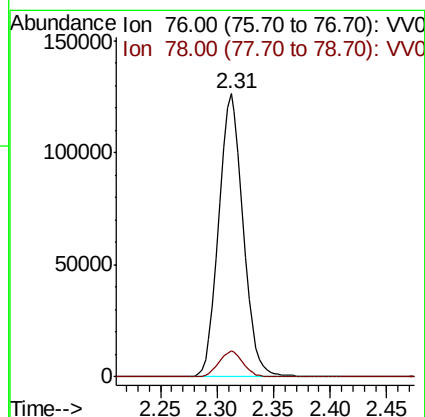
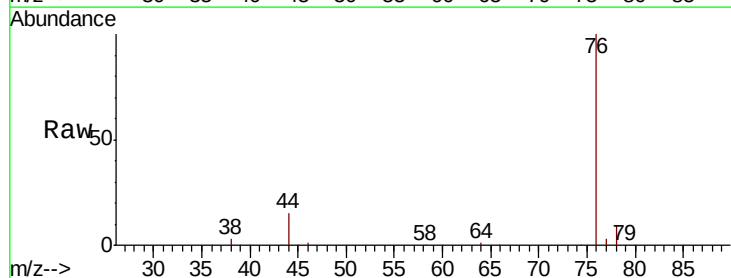
Acq: 02 Nov 2020 20:33

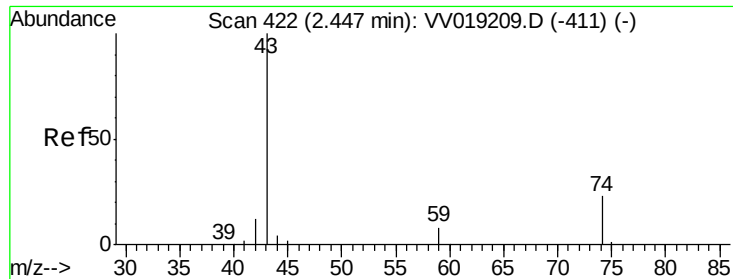
Tgt Ion: 76 Resp: 189858

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

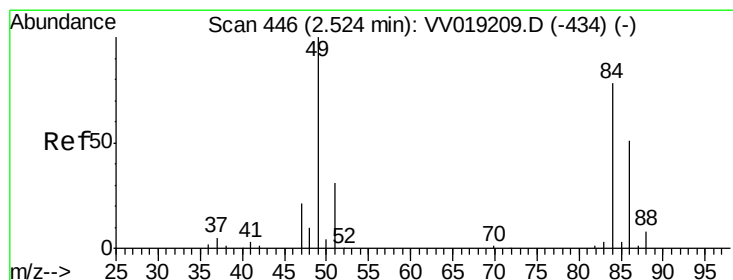
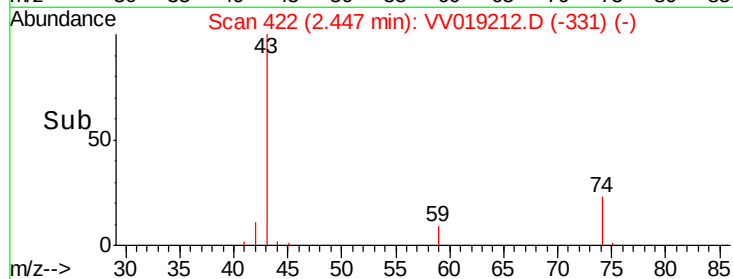
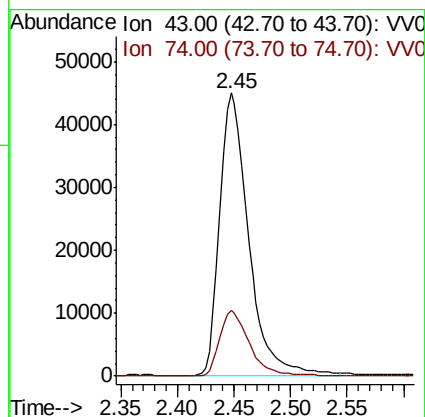
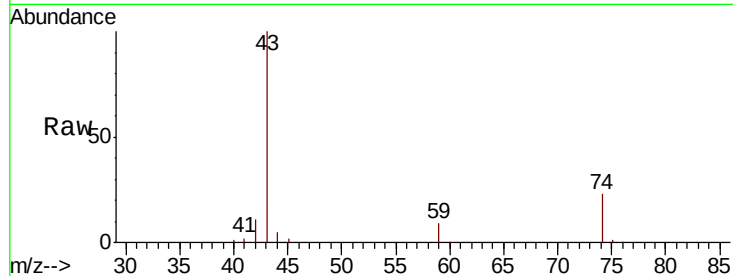




#15
Methvl Acetate
Concen: 53.193 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.01 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

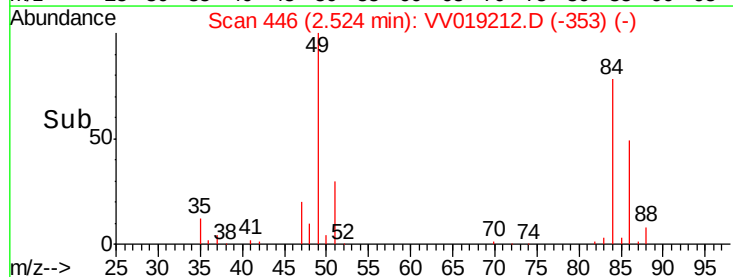
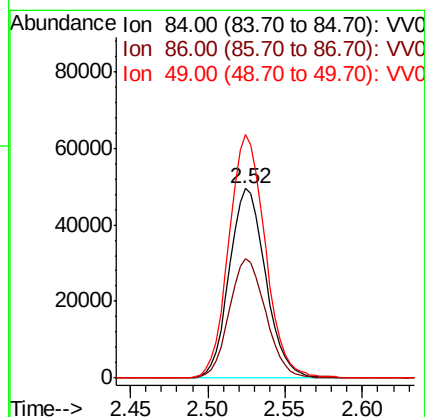
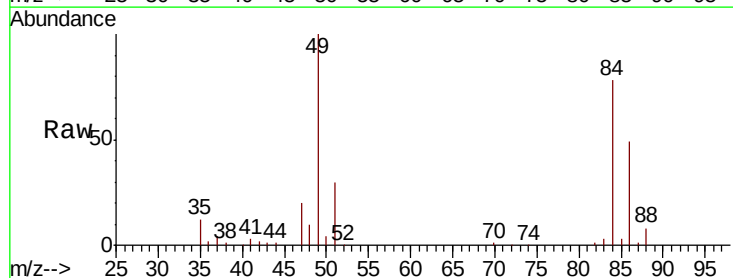
Instrument :
MSVOA_V
ClientSampled :
VICV307

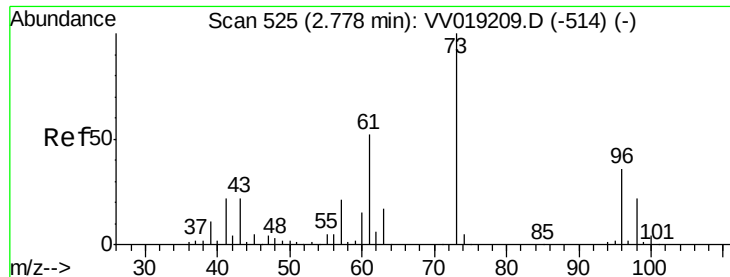
Tot Ion: 43 Resp: 80399
Ion Ratio Lower Upper
43 100
74 23.9 18.8 28.2



#16
Methylene chloride
Concen: 52.189 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Tgt Ion: 84 Resp: 80732
Ion Ratio Lower Upper
84 100
86 62.9 45.6 84.8
49 128.3 89.3 165.9

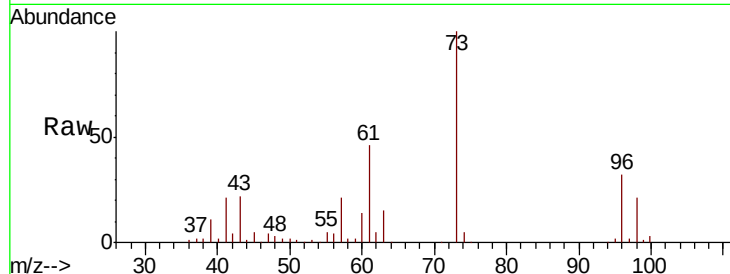




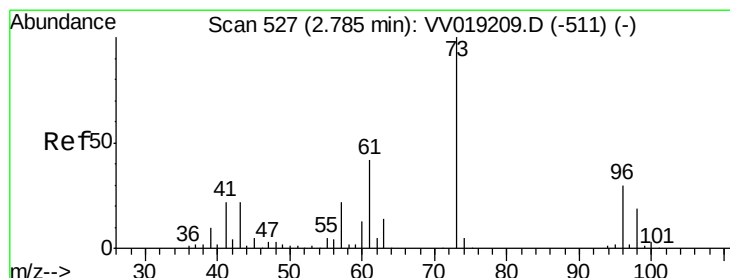
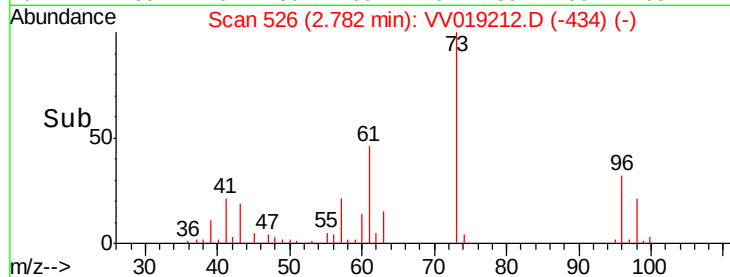
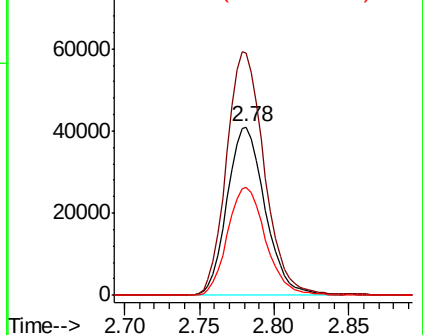
#17
trans-1,2-Dichloroethene
Concen: 51.207 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Instrument :
MSVOA_V
ClientSampleId :
VICV307

Tot Ion: 96 Resp: 72290
Ion Ratio Lower Upper
96 100
61 143.7 100.7 187.1
98 64.3 42.9 79.7

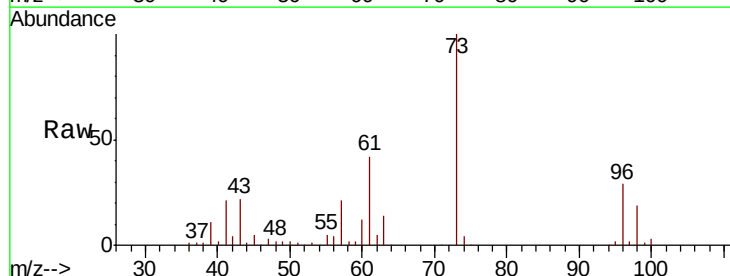


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

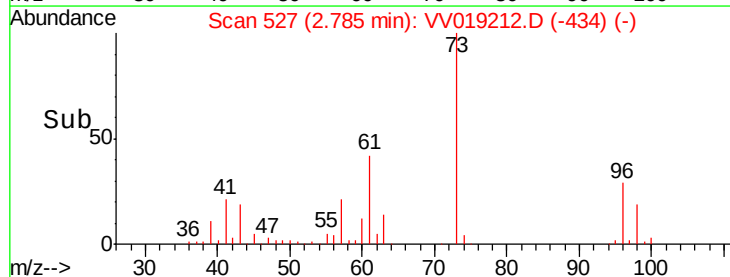
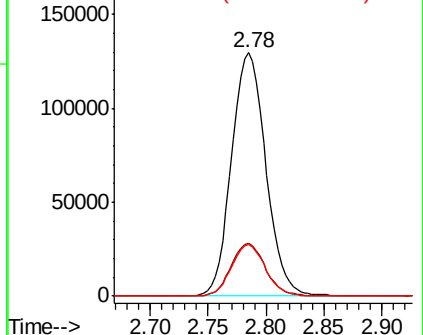


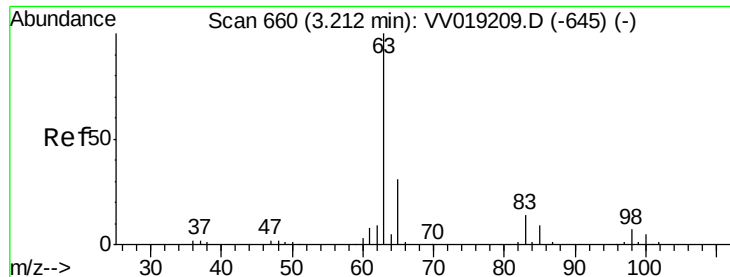
#18
Methyl tert-butyl Ether
Concen: 53.916 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Tgt Ion: 73 Resp: 267549
Ion Ratio Lower Upper
73 100
43 21.6 17.9 26.9
57 20.9 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

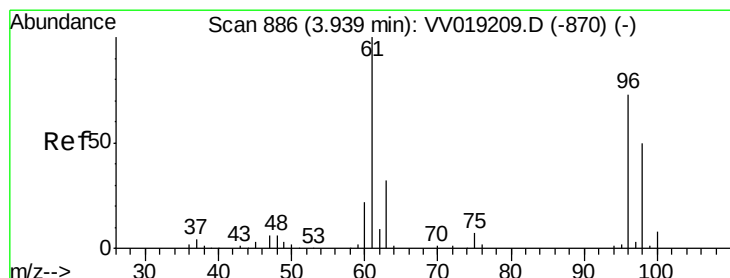
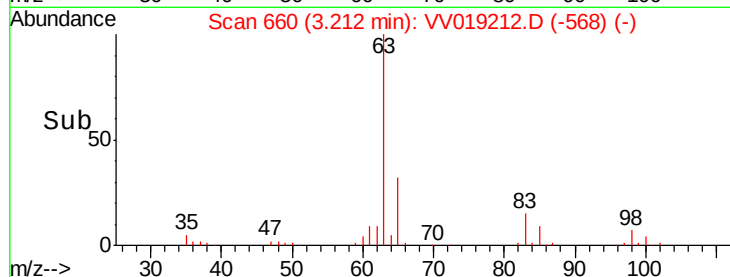
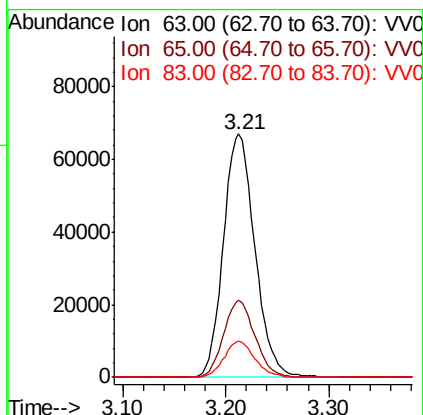
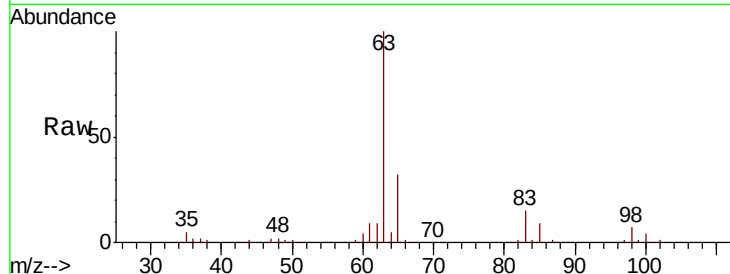




#19
 1,1-Dichloroethane
 Concen: 51.633 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

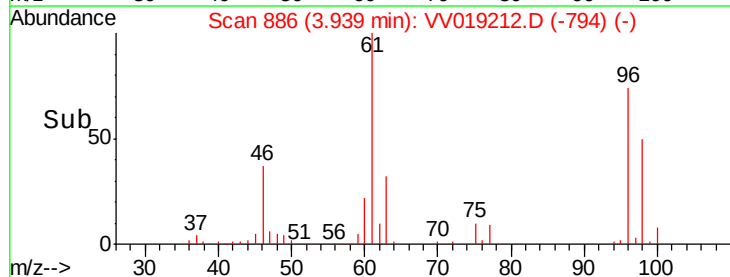
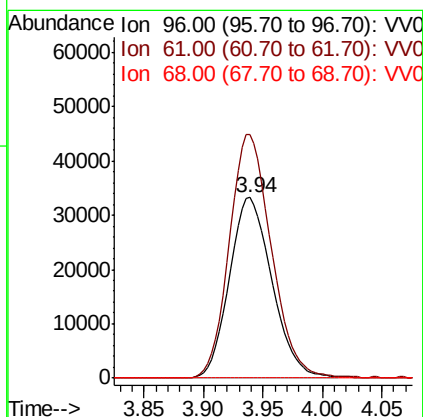
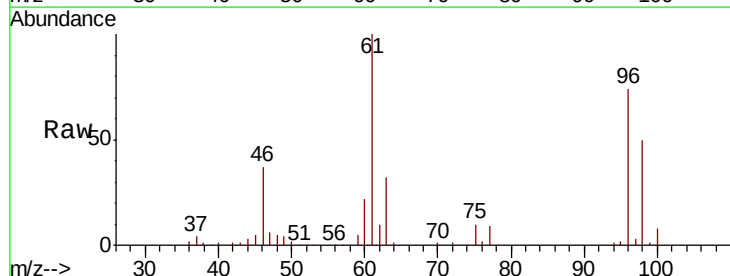
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

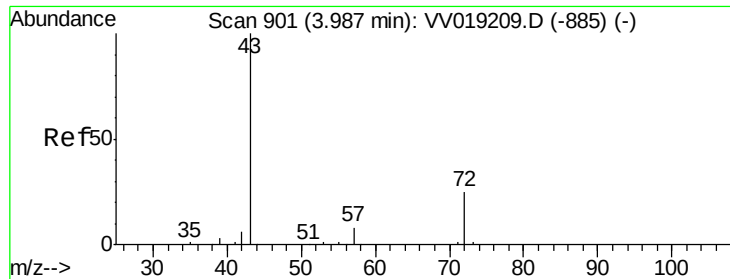
Tot Ion: 63 Resp: 142815
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.8 40.6
 83 15.0 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 52.919 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

Tgt Ion: 96 Resp: 82558
 Ion Ratio Lower Upper
 96 100
 61 134.8 95.6 177.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 111.068 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.03 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

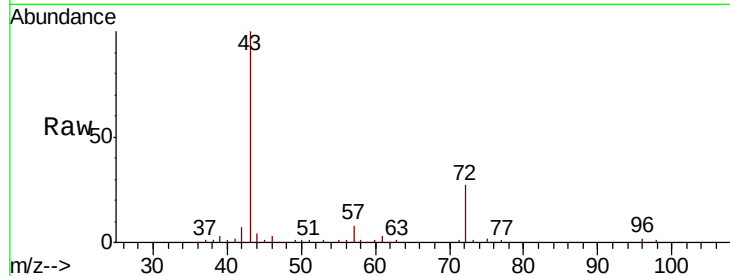
VICV307

Tot Ion: 43 Resp: 109978

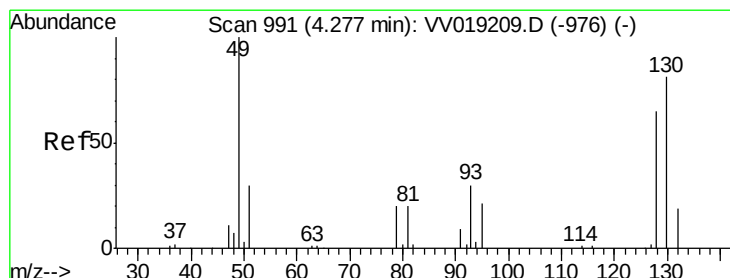
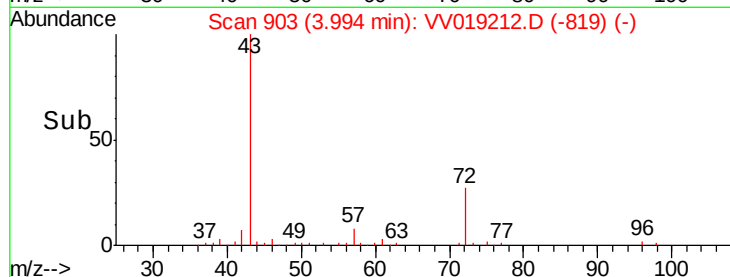
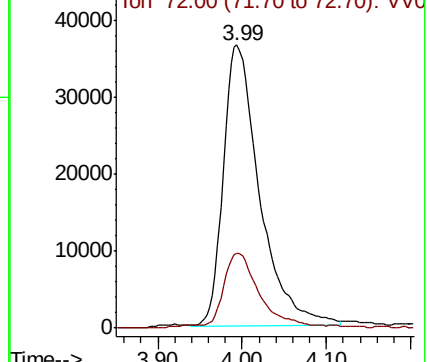
Ion Ratio Lower Upper

43 100

72 25.5 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV019212.D (-819) (-)



#23

Bromochloromethane

Concen: 53.191 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.01 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Tgt Ion:128 Resp: 45691

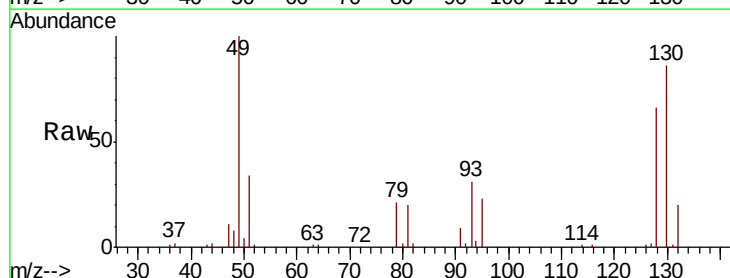
Ion Ratio Lower Upper

128 100

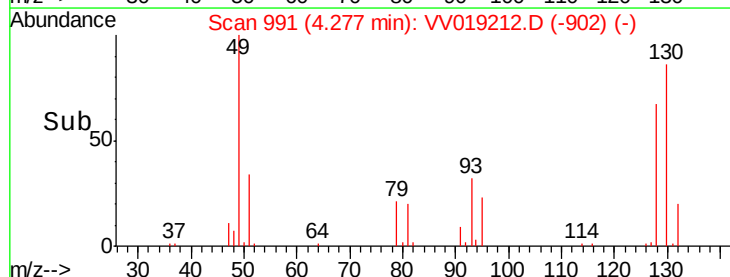
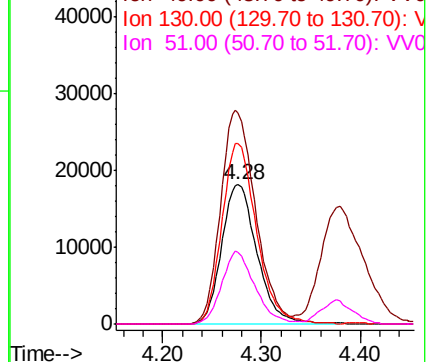
49 151.7 108.8 202.2

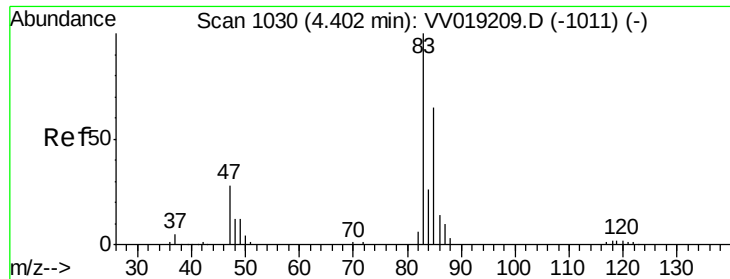
130 129.9 88.5 164.3

51 51.9 37.8 56.6



Abundance Ion 128.00 (127.70 to 128.70): VV019212.D (-902) (-)

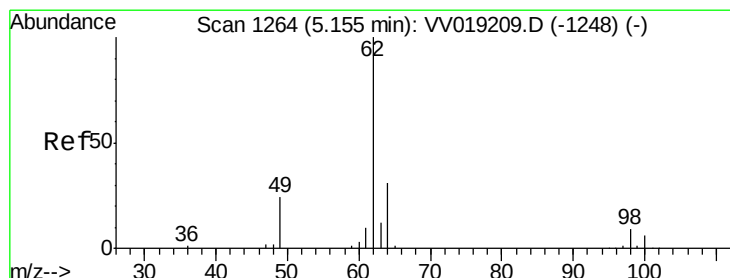
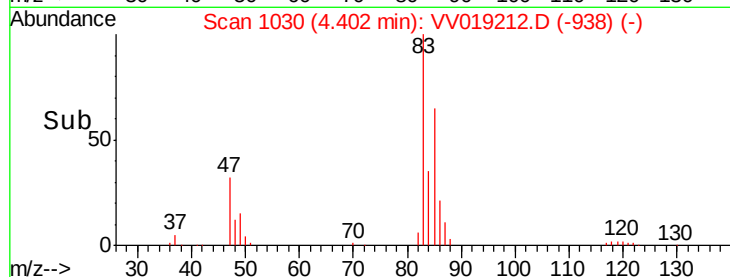
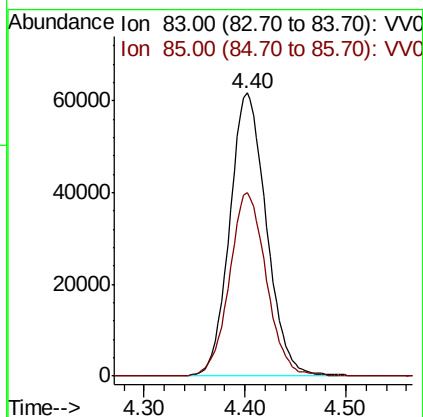
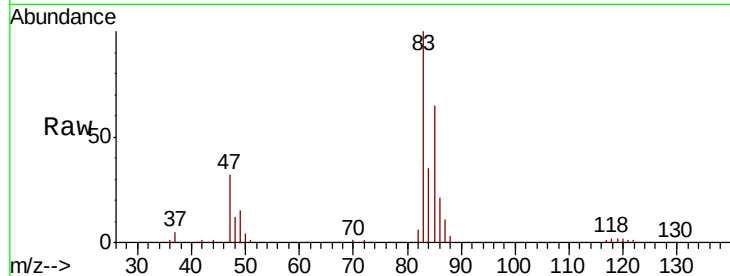




#25
Chloroform
Concen: 52.588 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

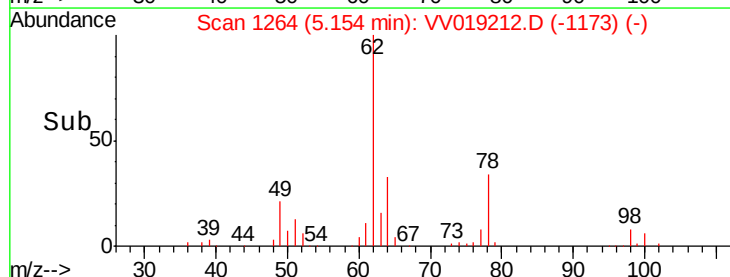
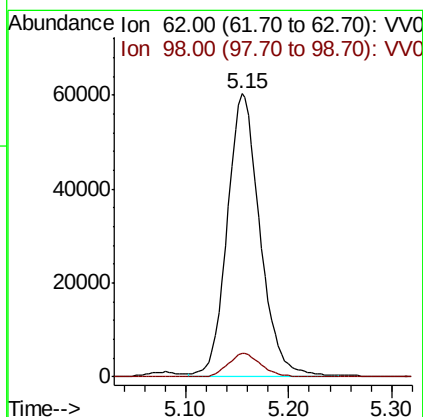
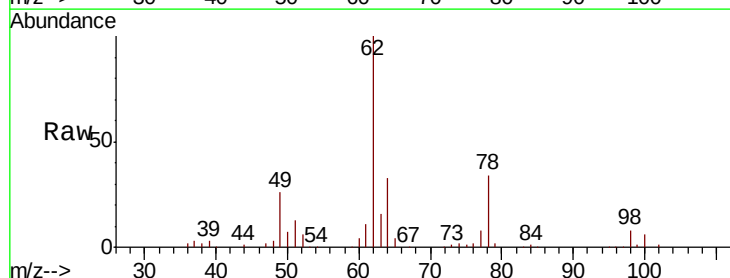
Instrument :
MSVOA_V
ClientSampled :
VICV307

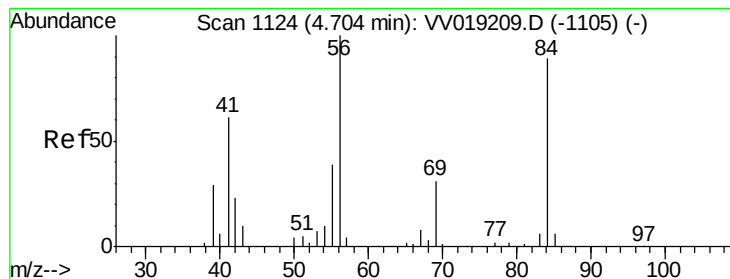
Tot Ion: 83 Resp: 155947
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 52.911 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Tgt Ion: 62 Resp: 133373
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2





#29

Cyclohexane

Concen: 51.881 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VICV307

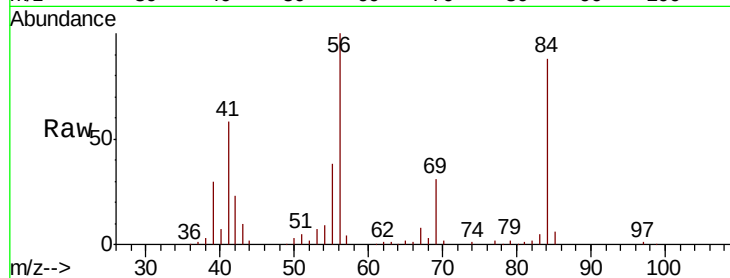
Tot Ion: 56 Resp: 102355

Ion Ratio Lower Upper

56 100

69 30.9 24.6 36.8

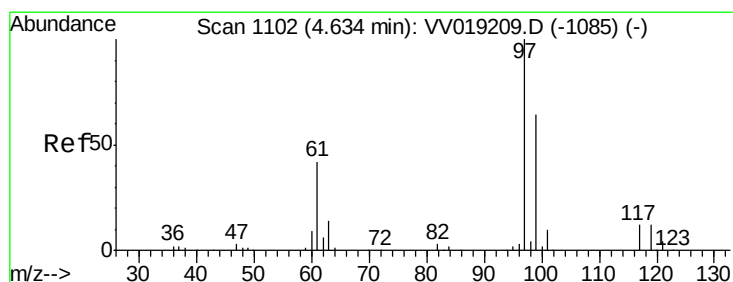
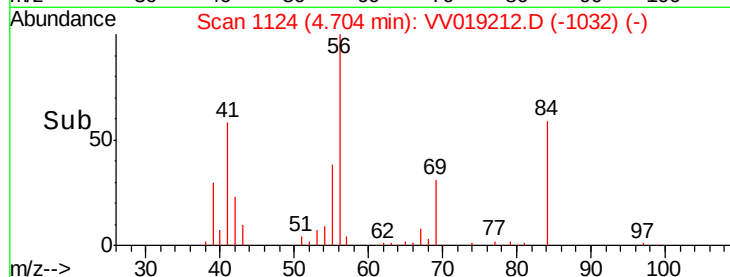
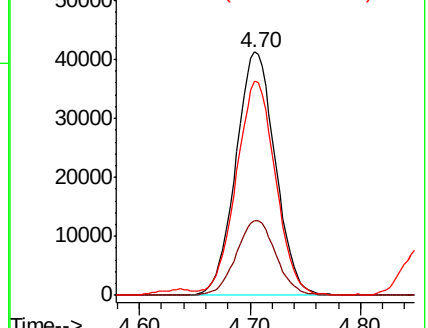
84 87.7 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.823 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

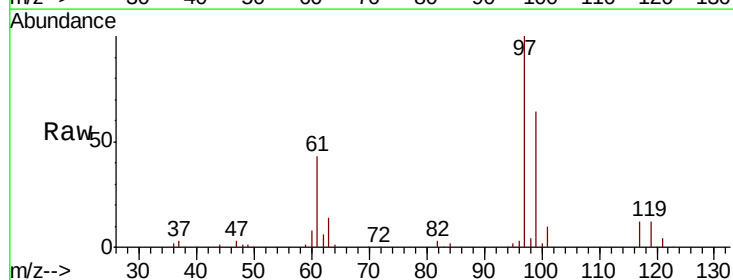
Tgt Ion: 97 Resp: 138561

Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

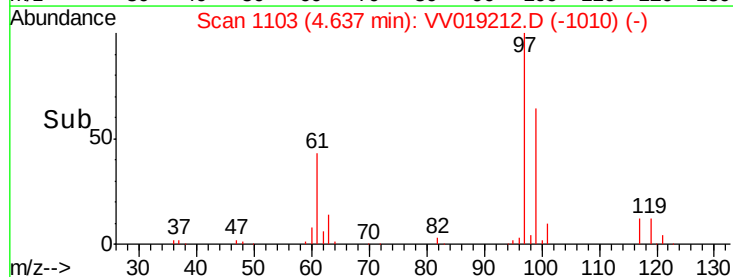
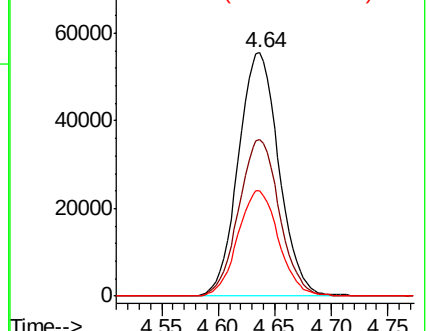
61 43.9 35.3 52.9

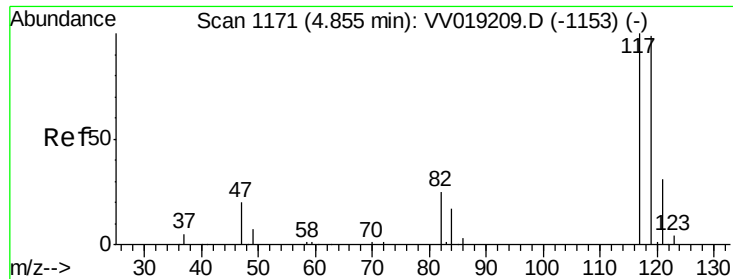


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.259 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampled :

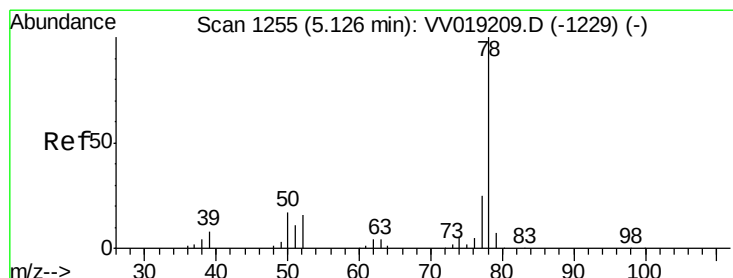
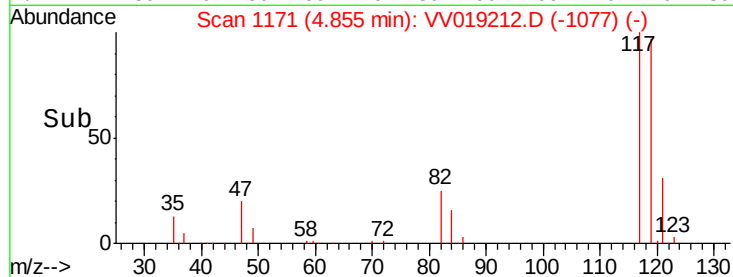
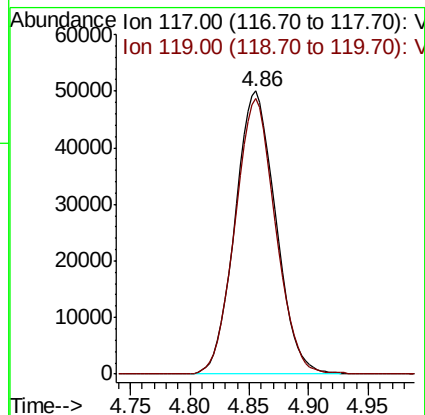
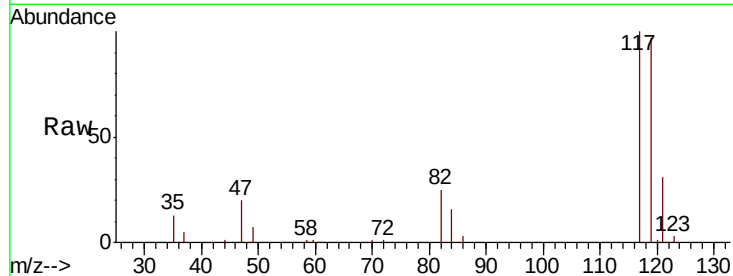
VICV307

Tot Ion:117 Resp: 118337

Ion Ratio Lower Upper

117 100

119 97.0 77.8 116.6



#33

Benzene

Concen: 53.303 ug/L

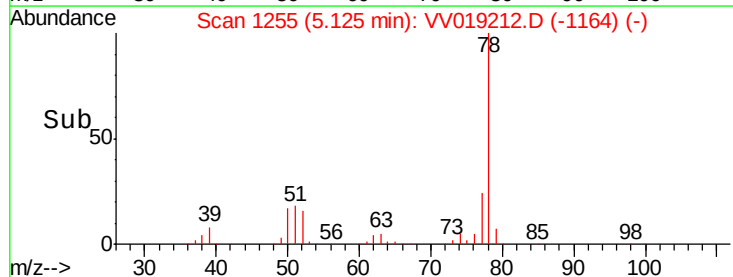
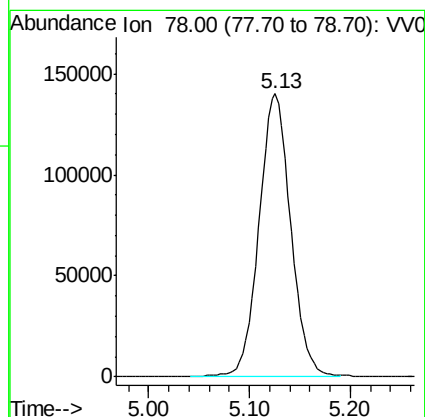
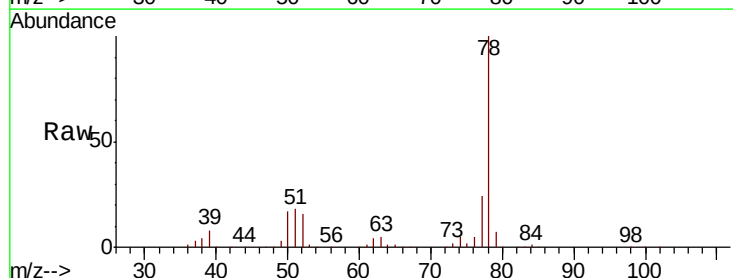
RT: 5.13 min Scan# 1255

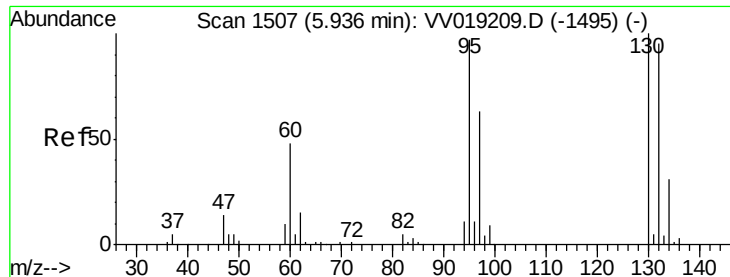
Delta R.T. -0.01 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Tgt Ion: 78 Resp: 305392





#34

Trichloroethene

Concen: 51.220 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VICV307

Tot Ion: 95 Resp: 79749

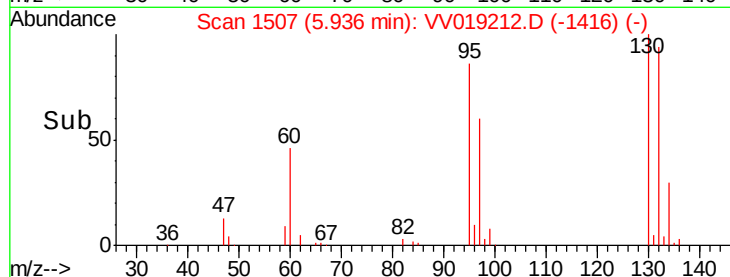
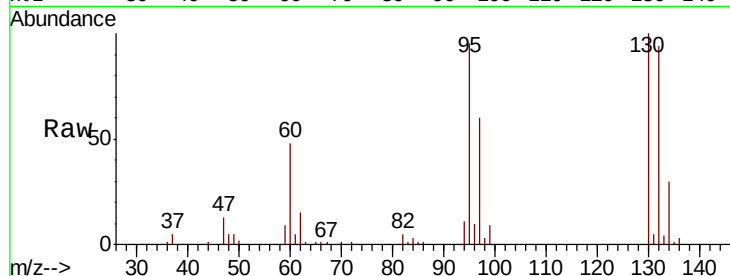
Ion Ratio Lower Upper

95 100

97 63.6 45.4 84.4

132 98.5 68.5 127.3

130 105.2 72.0 133.6

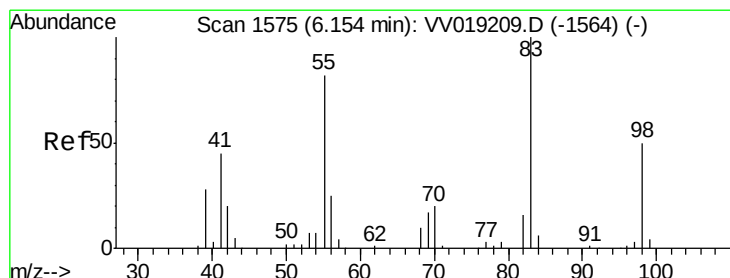
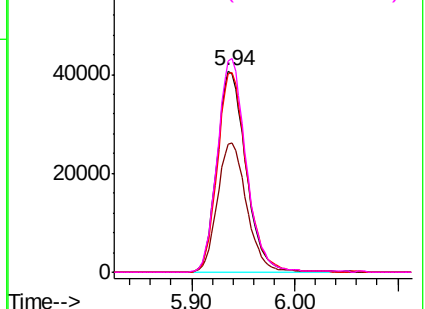


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 51.575 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

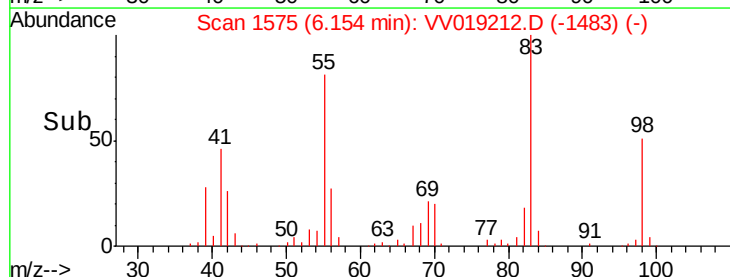
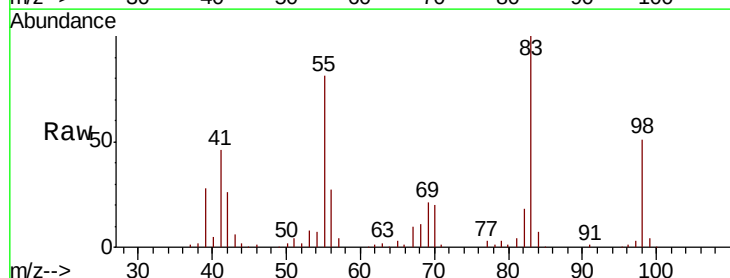
Tgt Ion: 83 Resp: 97195

Ion Ratio Lower Upper

83 100

55 78.3 62.8 94.2

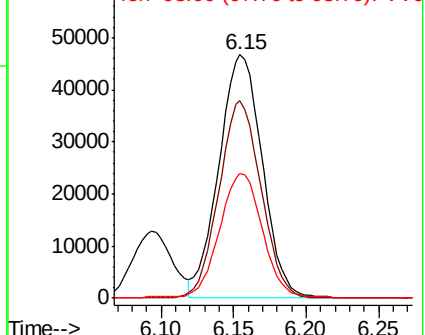
98 50.5 38.6 58.0

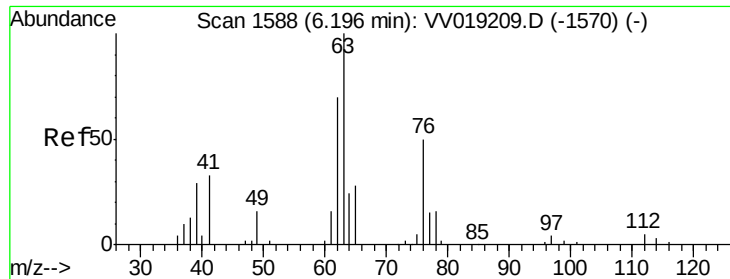


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

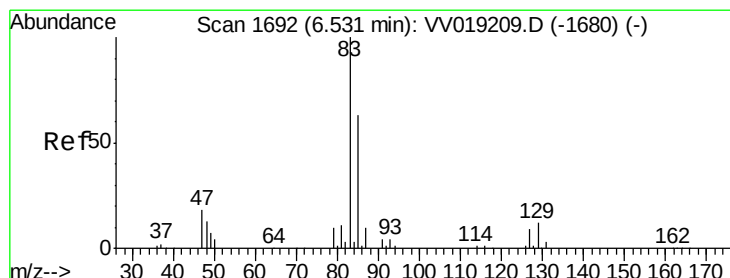
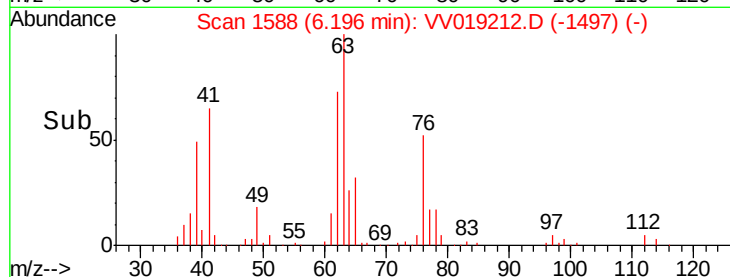
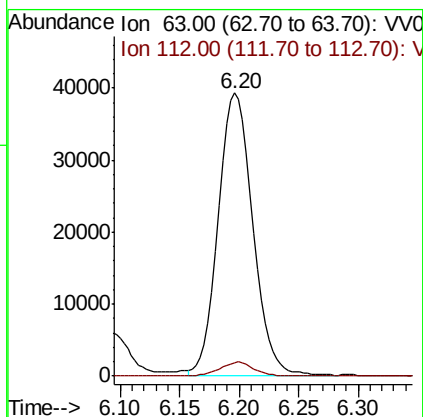
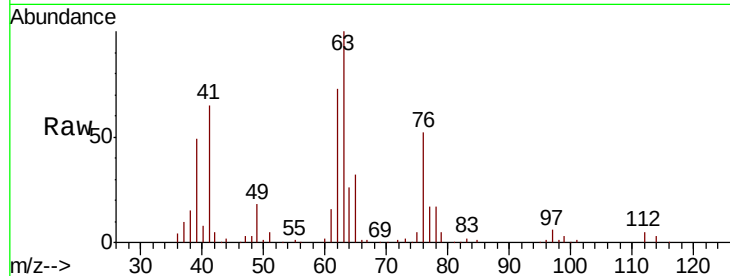




#37
 1,2-Dichloropropane
 Concen: 51.430 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

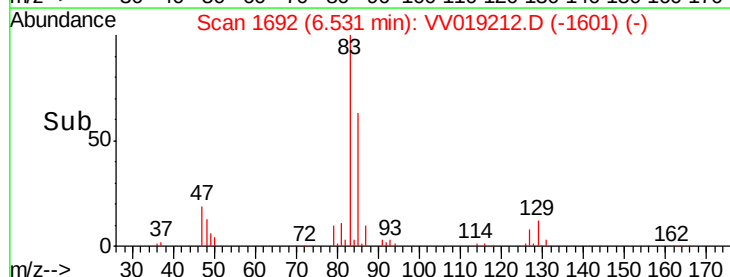
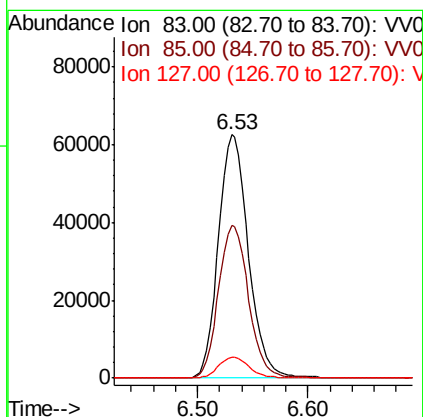
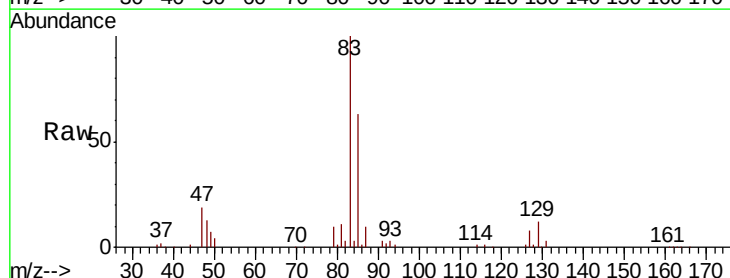
Instrument :
 MSVOA_V
 ClientSampled :
 VICV307

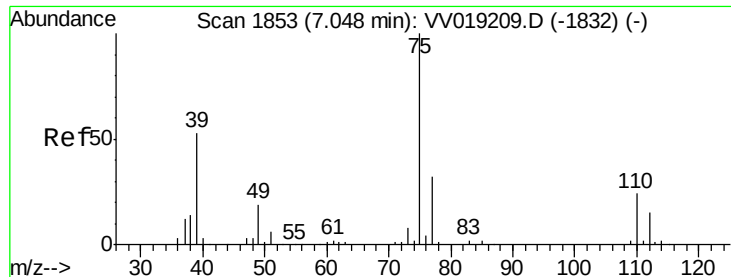
Tot Ion: 63 Resp: 78639
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.2



#38
 Bromodichloromethane
 Concen: 53.640 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

Tgt Ion: 83 Resp: 118035
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.0 81.8
 127 8.5 7.3 10.9

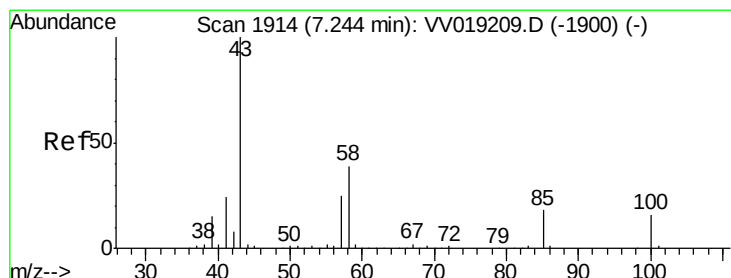
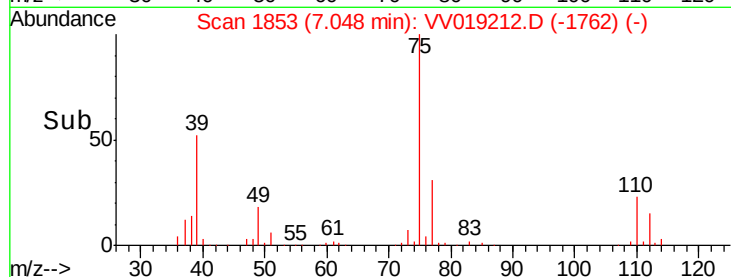
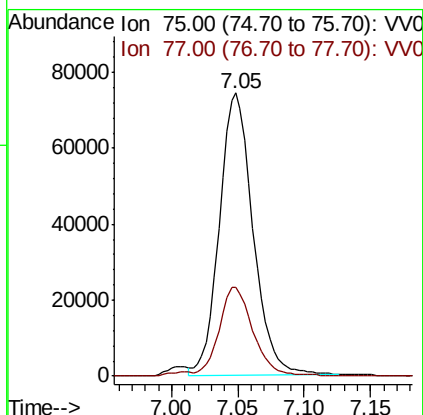
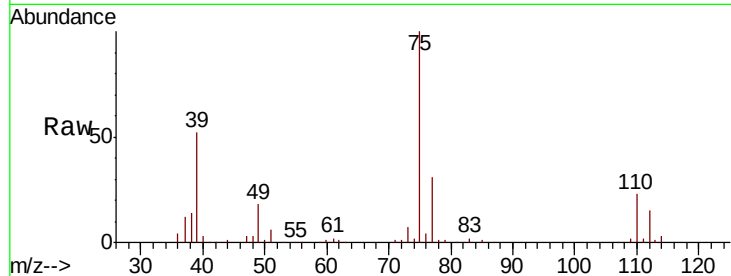




#39
 cis-1,3-Dichloropropene
 Concen: 53.437 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

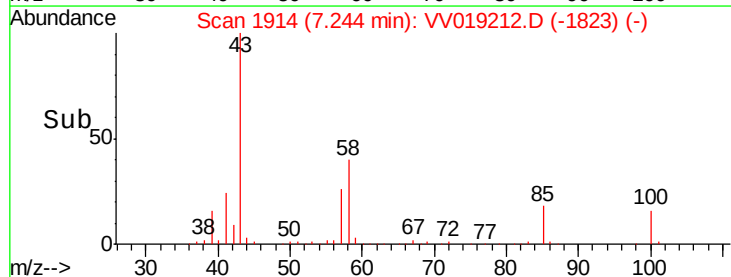
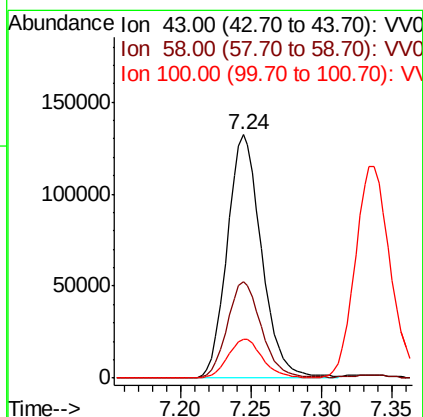
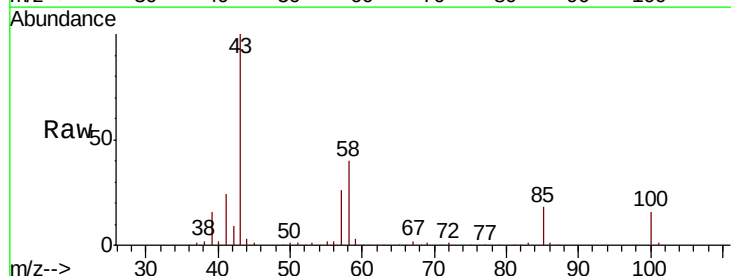
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

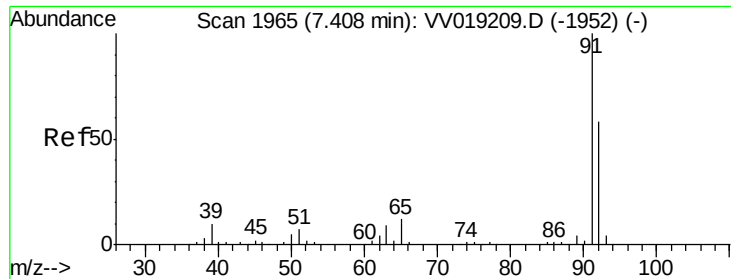
Tot Ion: 75 Resp: 130741
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 109.684 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

Tgt Ion: 43 Resp: 225305
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.5 45.7
 100 16.2 12.7 19.1





#42

Toluene

Concen: 52.897 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

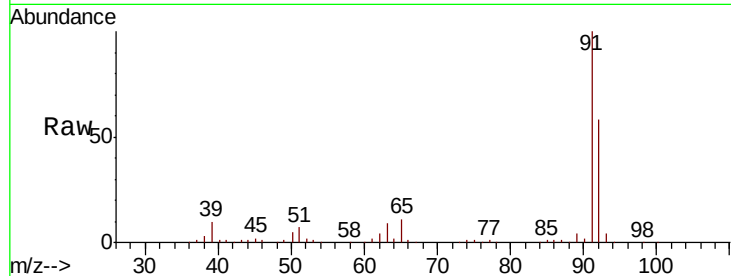
VICV307

Tot Ion: 91 Resp: 327585

Ion Ratio Lower Upper

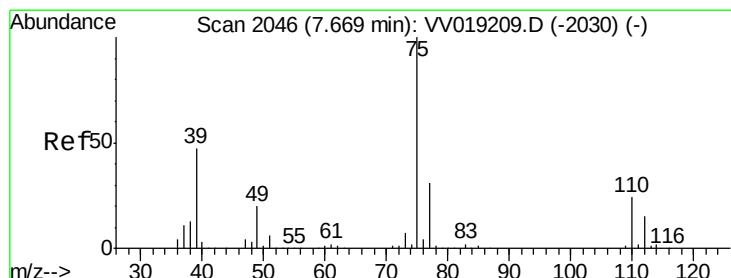
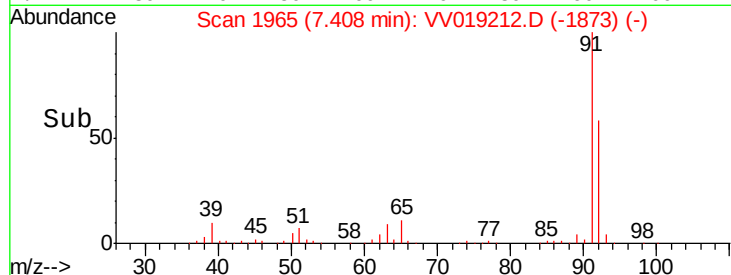
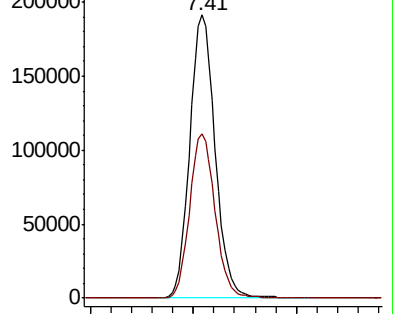
91 100

92 58.1 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 55.021 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.01 min

Lab File: VV019212.D

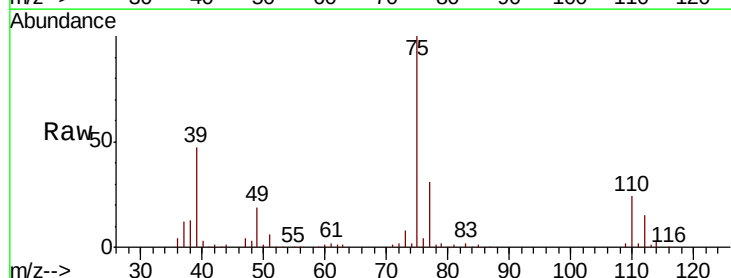
Acq: 02 Nov 2020 20:33

Tgt Ion: 75 Resp: 137943

Ion Ratio Lower Upper

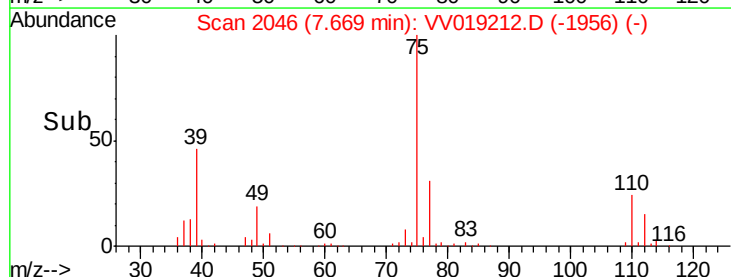
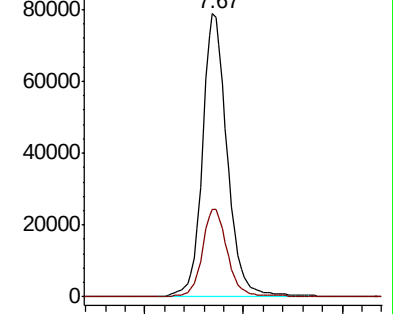
75 100

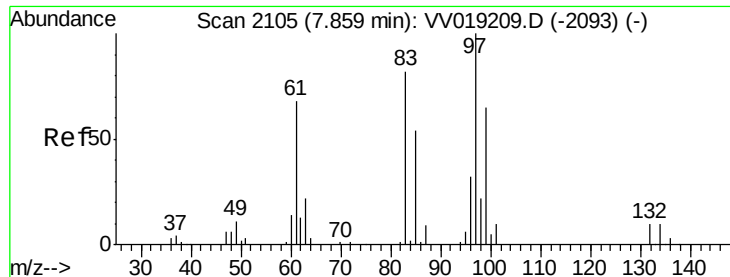
77 30.8 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

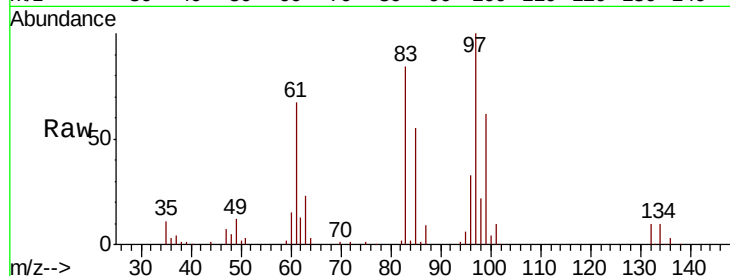




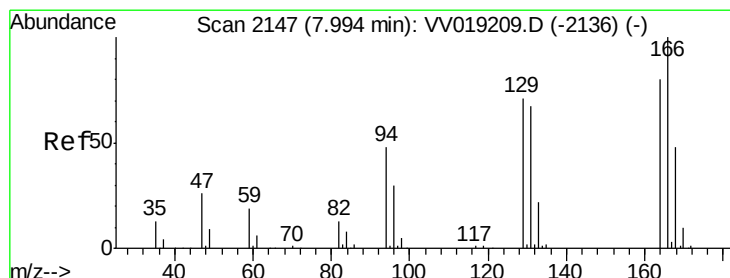
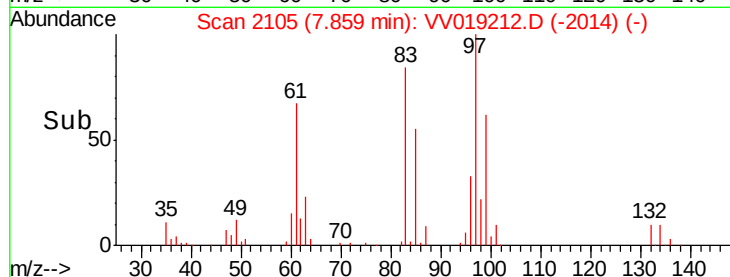
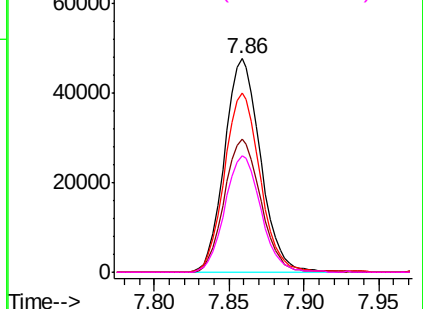
#45
1,1,2-Trichloroethane
Concen: 52.658 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.01 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Instrument :
MSVOA_V
ClientSampleId :
VICV307

Tot Ion:	97	Resp:	79582
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.1	83.9
83	84.0	57.6	107.0
85	54.8	37.8	70.2

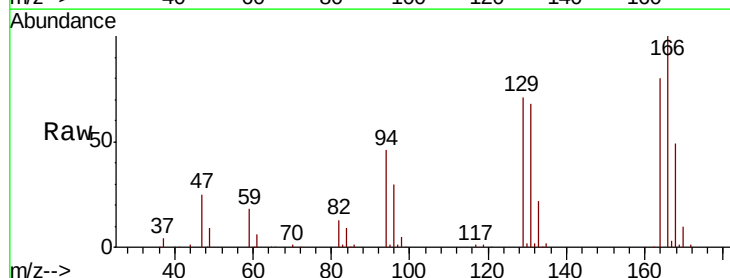


Abundance Ion 97.00 (96.70 to 97.70): VV019212.D (-2014) (-)

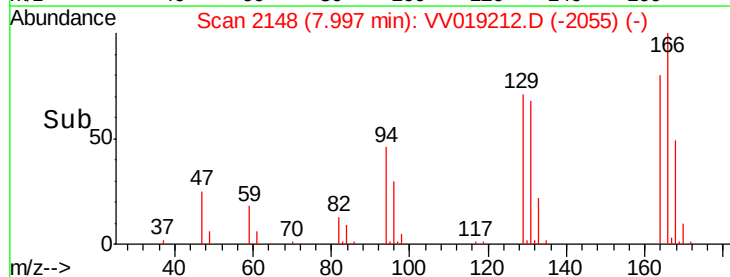
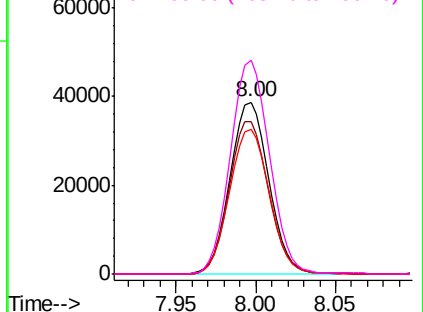


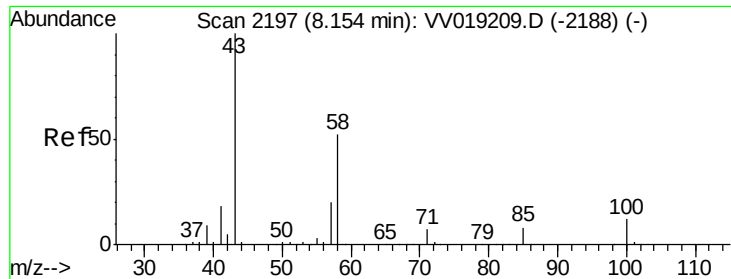
#46
Tetrachloroethene
Concen: 50.311 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Tgt Ion:	164	Resp:	63916
Ion	Ratio	Lower	Upper
164	100		
129	88.5	62.6	116.3
131	84.0	59.0	109.6
166	124.3	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV019212.D (-2055) (-)

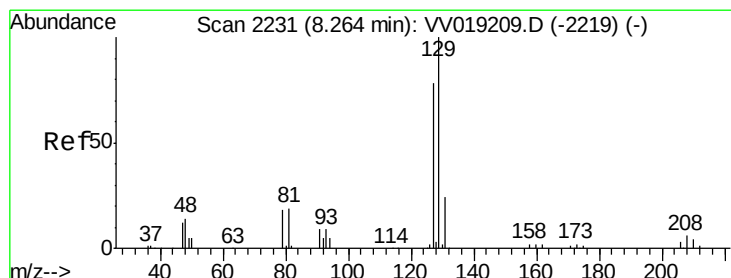
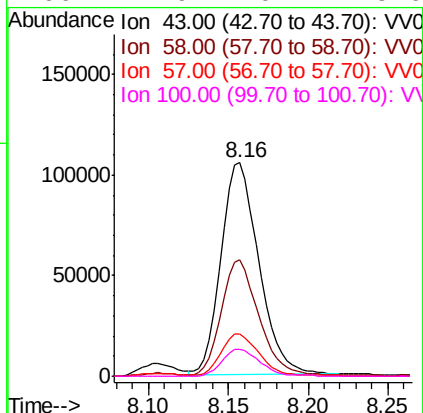
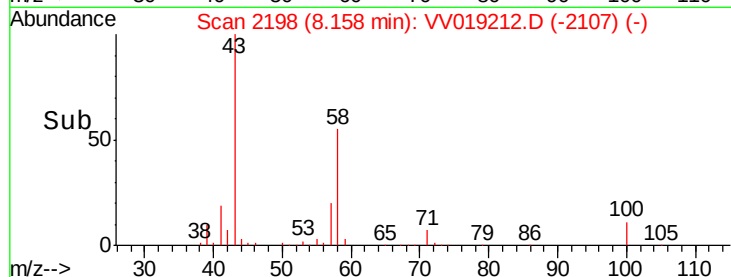
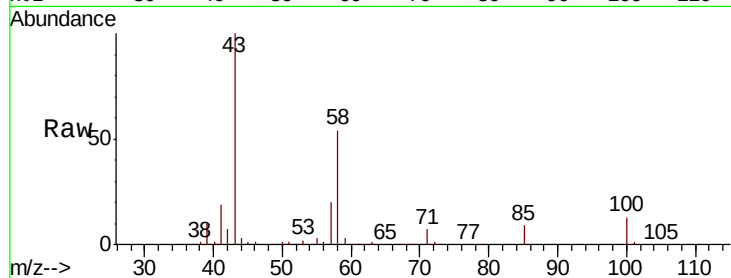




#48
2-Hexanone
Concen: 110.283 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.01 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

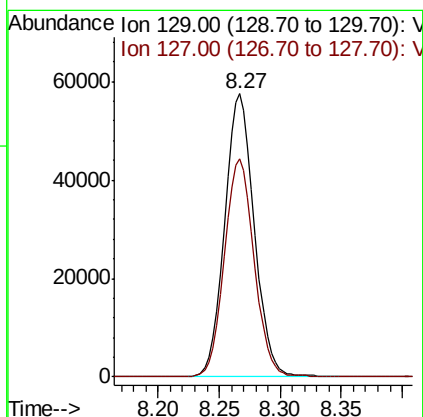
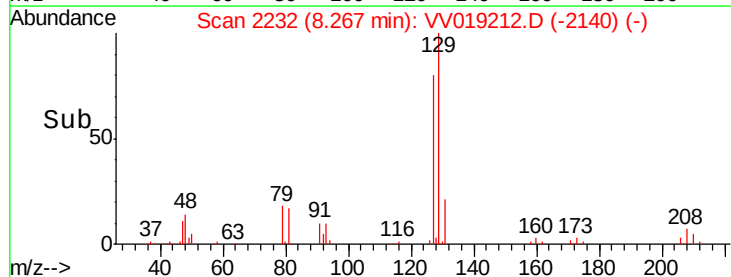
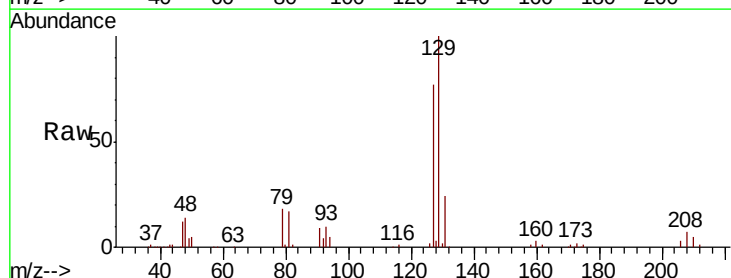
Instrument :
MSVOA_V
ClientSampleId :
VICV307

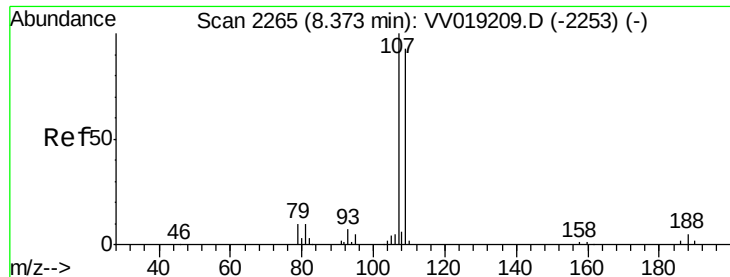
Tot Ion: 43 Resp: 171266
Ion Ratio Lower Upper
43 100
58 54.2 42.6 63.8
57 19.5 15.8 23.8
100 12.9 10.4 15.6



#49
Dibromochloromethane
Concen: 54.211 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Tgt Ion: 129 Resp: 97709
Ion Ratio Lower Upper
129 100
127 77.0 54.4 101.0

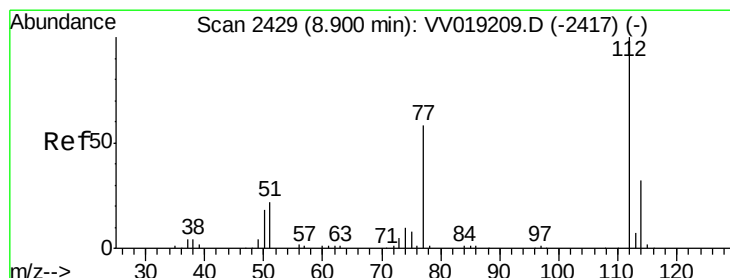
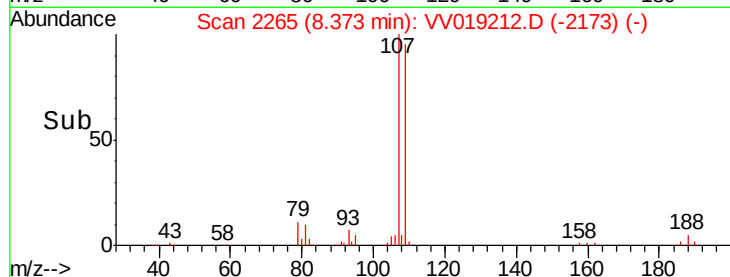
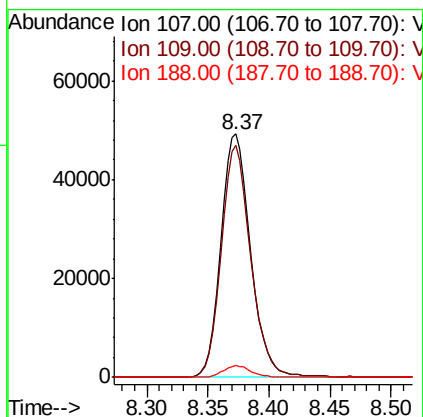
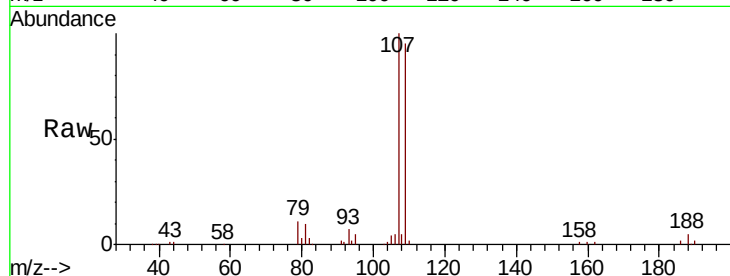




#50
1,2-Dibromoethane
Concen: 53.846 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

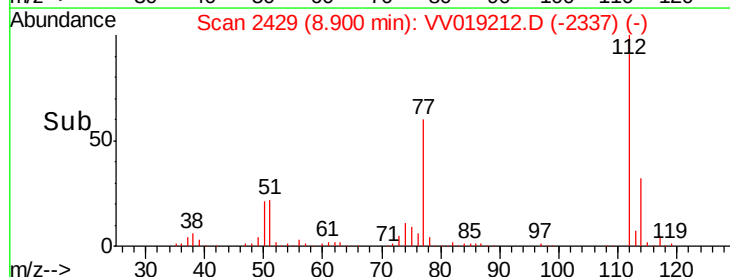
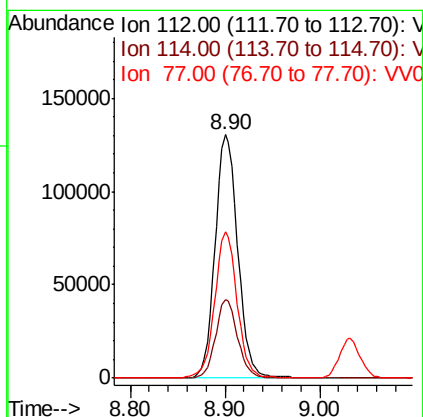
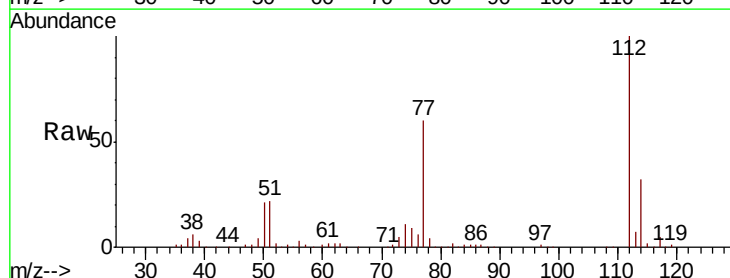
Instrument :
MSVOA_V
ClientSampleId :
VICV307

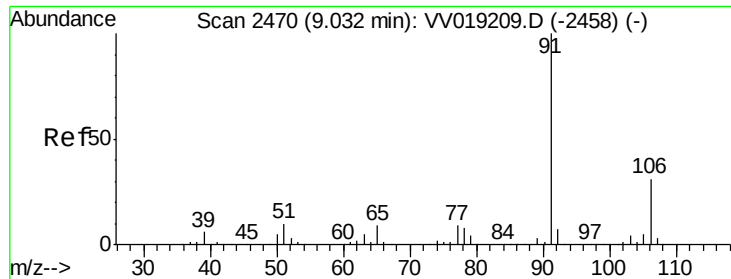
Tot Ion:107 Resp: 84350
Ion Ratio Lower Upper
107 100
109 95.3 64.8 120.4
188 4.7 3.8 5.8



#51
Chlorobenzene
Concen: 52.394 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Tgt Ion:112 Resp: 217040
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 60.0 47.3 70.9





#52

Ethylbenzene

Concen: 52.179 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

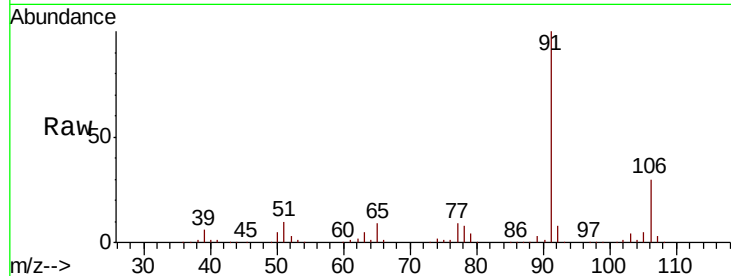
VICV307

Tot Ion: 91 Resp: 356511

Ion Ratio Lower Upper

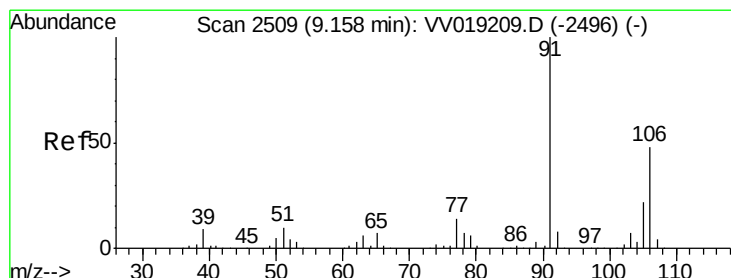
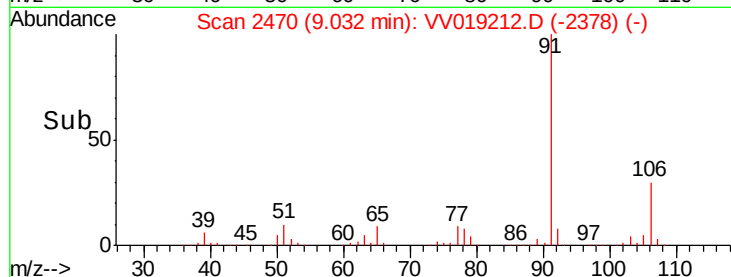
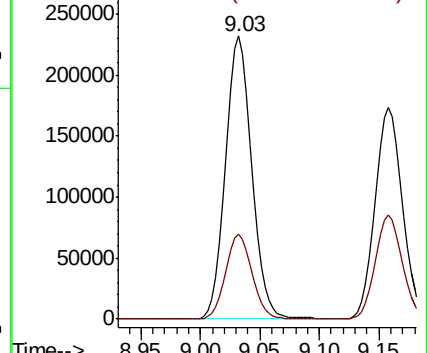
91 100

106 30.1 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.460 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019212.D

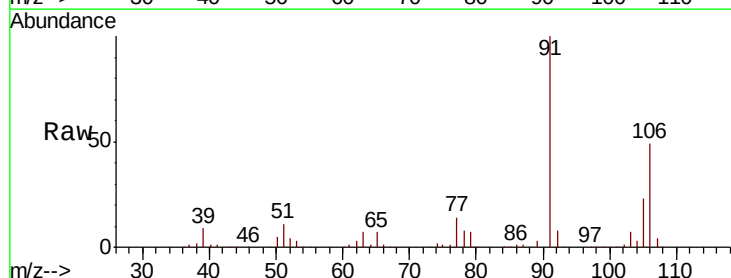
Acq: 02 Nov 2020 20:33

Tgt Ion: 106 Resp: 134192

Ion Ratio Lower Upper

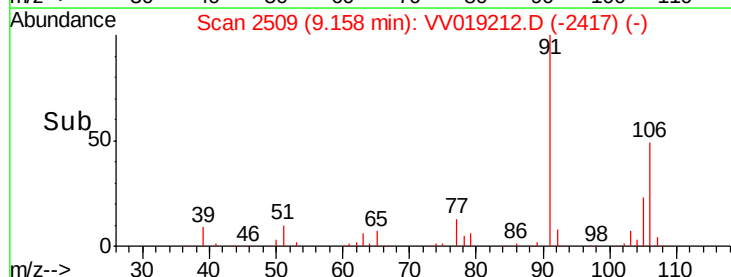
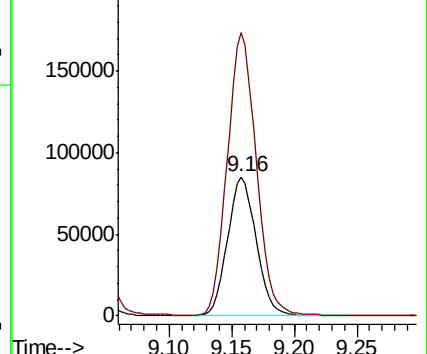
106 100

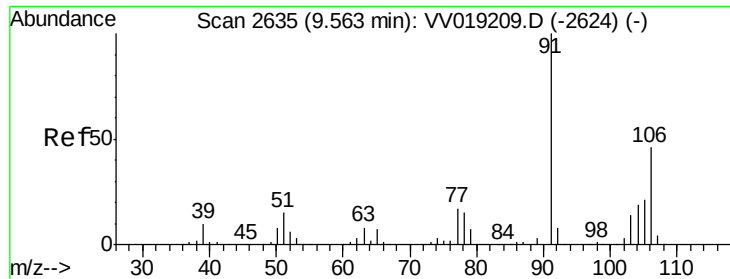
91 203.8 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

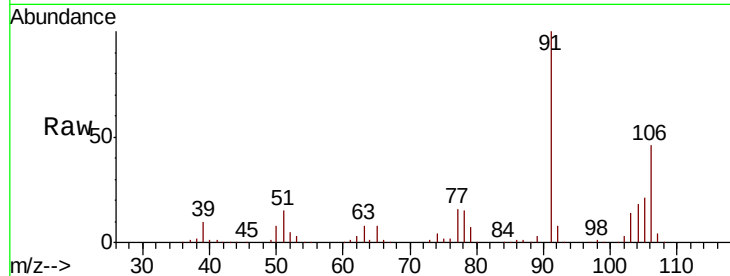




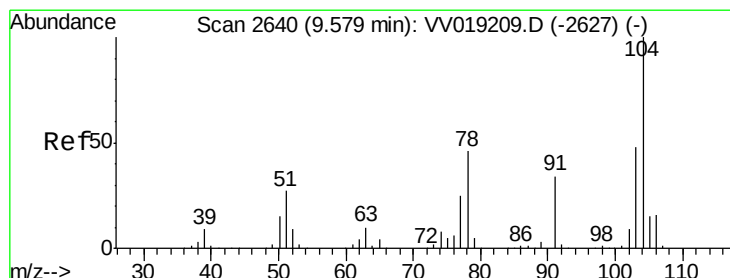
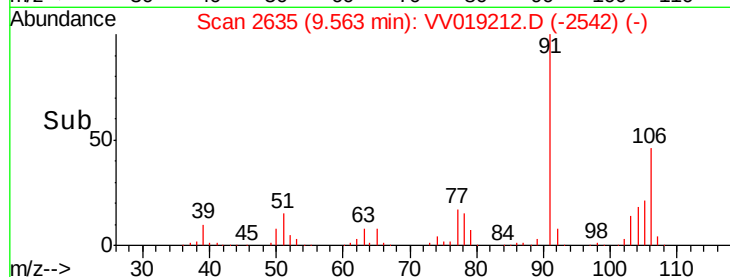
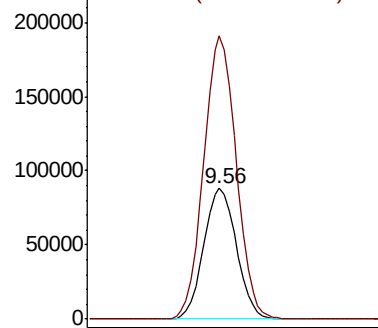
#54
o-Xylene
Concen: 53.361 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Instrument :
MSVOA_V
ClientSampled :
VICV307

Tot Ion:106 Resp: 134543
Ion Ratio Lower Upper
106 100
91 216.6 151.6 281.6

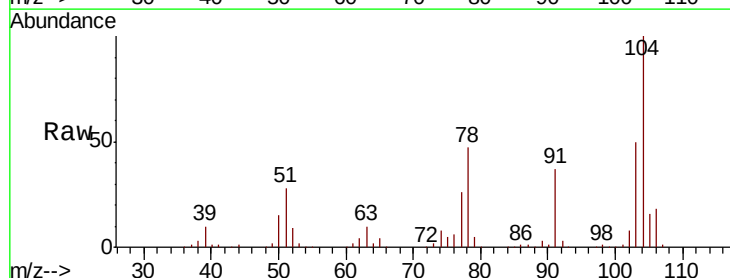


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

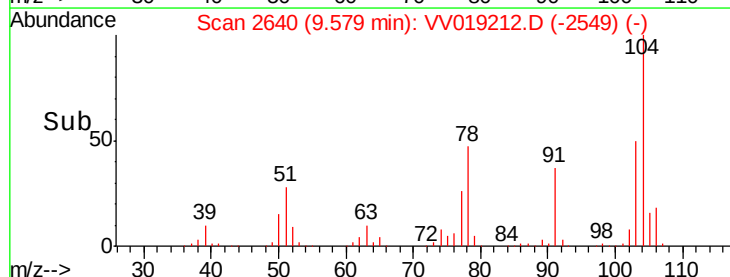
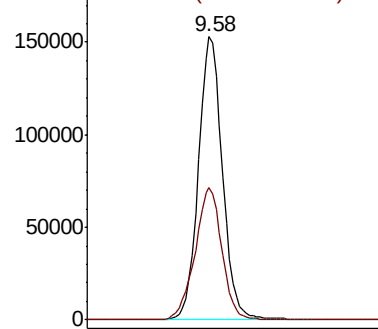


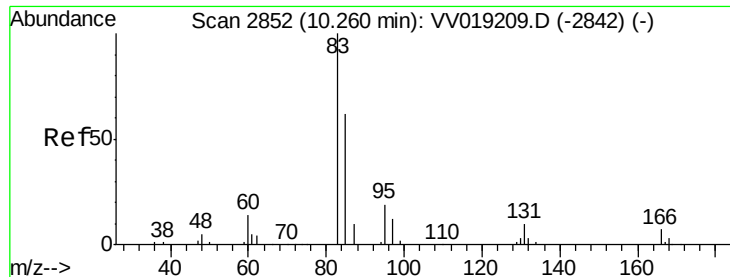
#55
Styrene
Concen: 53.607 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.01 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Tgt Ion:104 Resp: 240595
Ion Ratio Lower Upper
104 100
78 46.8 32.6 60.5



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





#57

1,1,2,2-Tetrachloroethane

Concen: 53.361 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VICV307

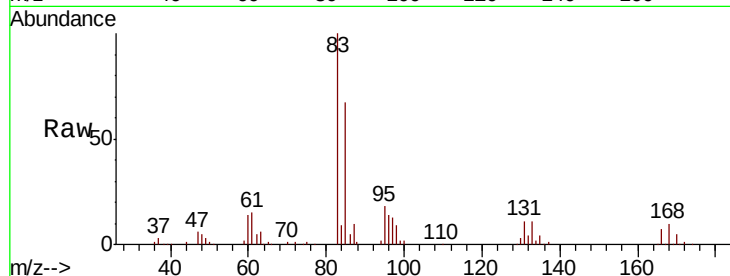
Tot Ion: 83 Resp: 122005

Ion Ratio Lower Upper

83 100

85 66.5 45.0 83.6

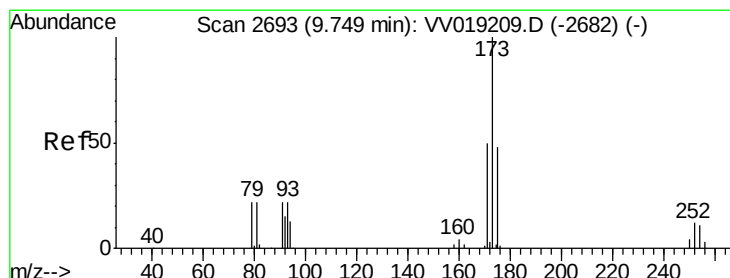
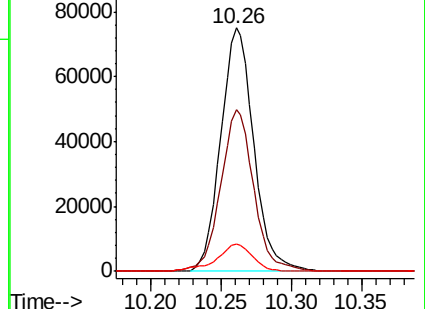
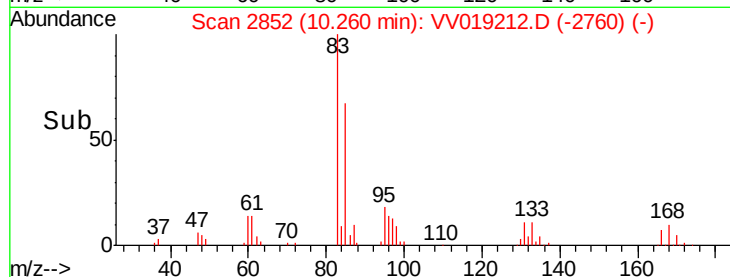
131 11.2 8.9 13.3



Abundance Ion 83.00 (82.70 to 83.70): VV019212.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV019212.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV019212.D (-2760) (-)



#59

Bromoform

Concen: 54.533 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

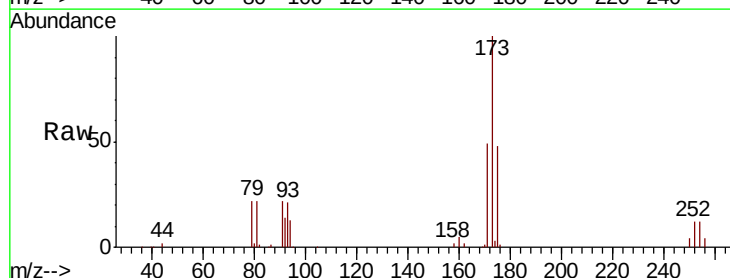
Tgt Ion: 173 Resp: 75567

Ion Ratio Lower Upper

173 100

175 48.2 38.4 57.6

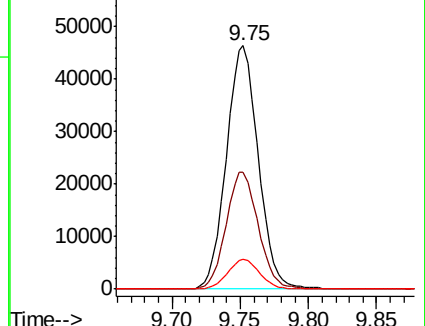
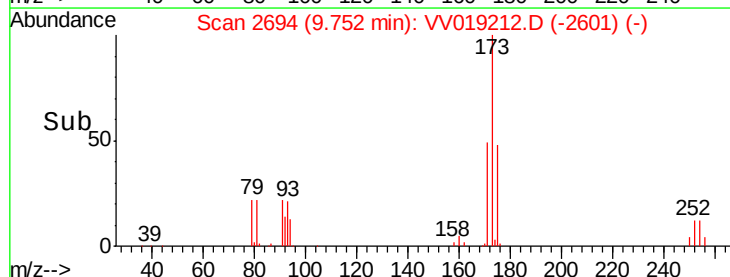
254 12.1 9.0 13.6

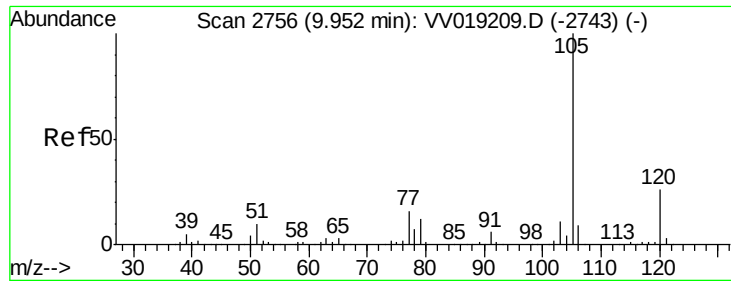


Abundance Ion 173.00 (172.70 to 173.70): VV019212.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV019212.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV019212.D (-2601) (-)





#60

Isopropylbenzene

Concen: 53.467 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VICV307

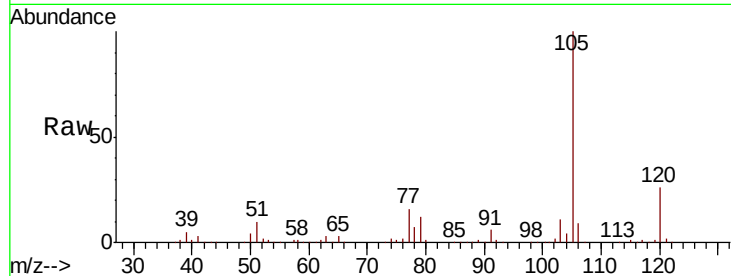
Tot Ion:105 Resp: 349871

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

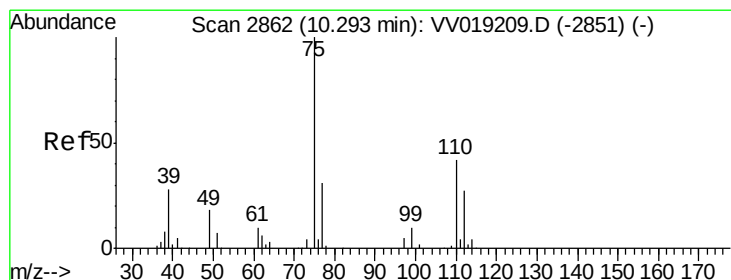
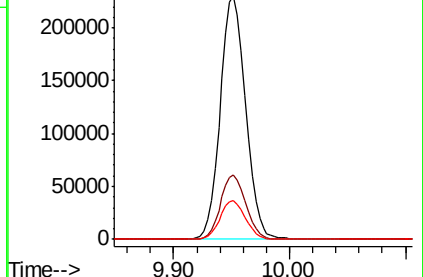
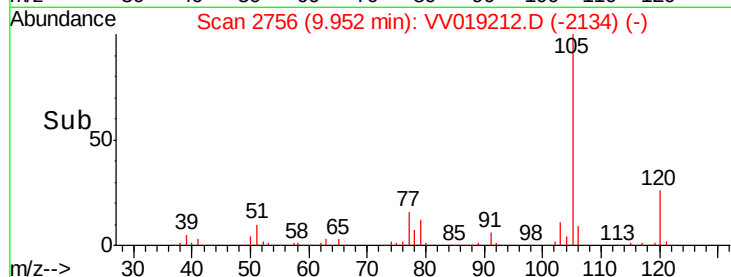
77 16.0 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 53.381 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019212.D

Acq: 02 Nov 2020 20:33

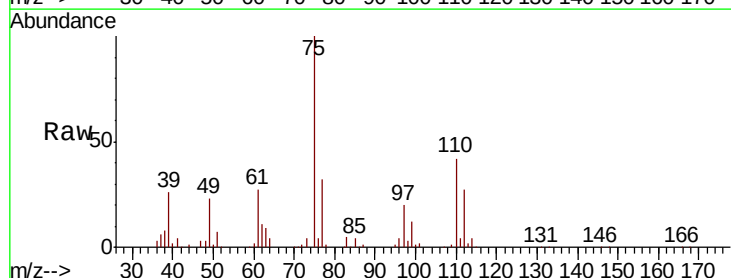
Tgt Ion: 75 Resp: 103545

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

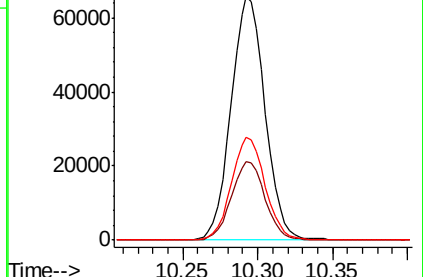
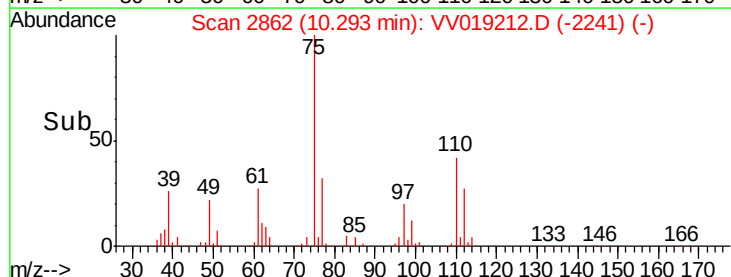
110 41.8 33.4 50.2

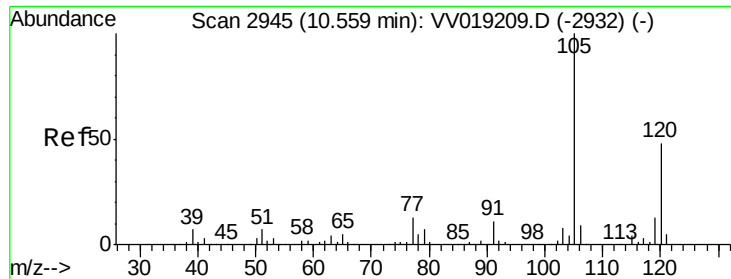


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

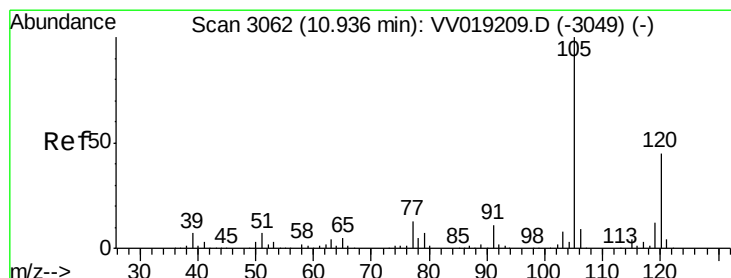
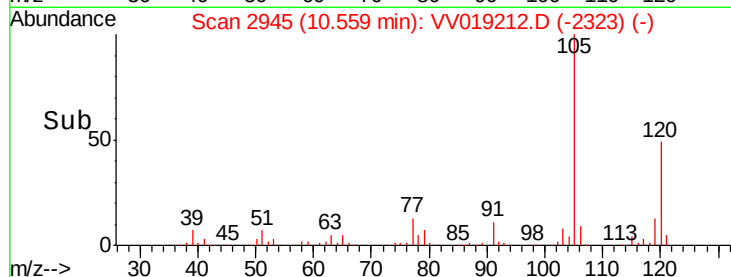
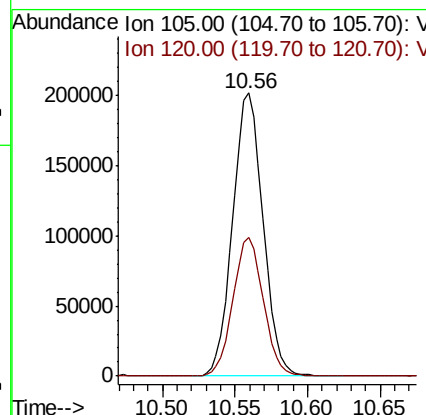
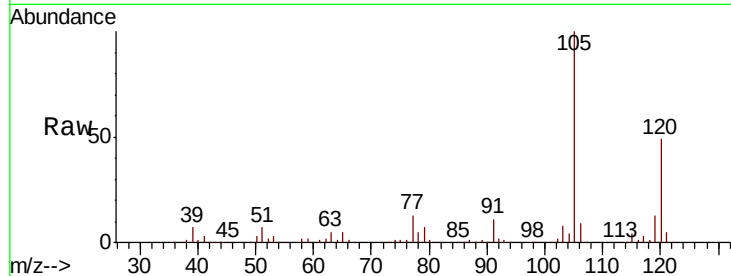




#62
 1,3,5-Trimethylbenzene
 Concen: 53.894 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

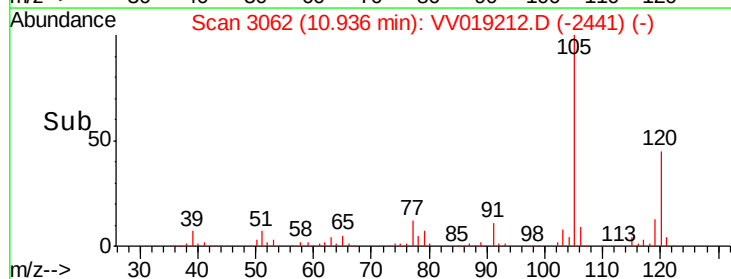
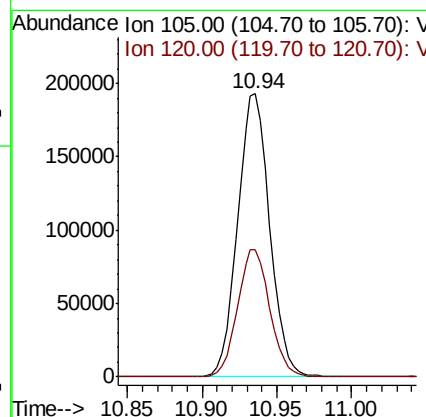
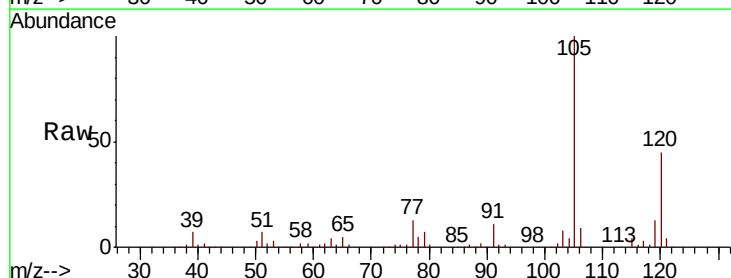
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

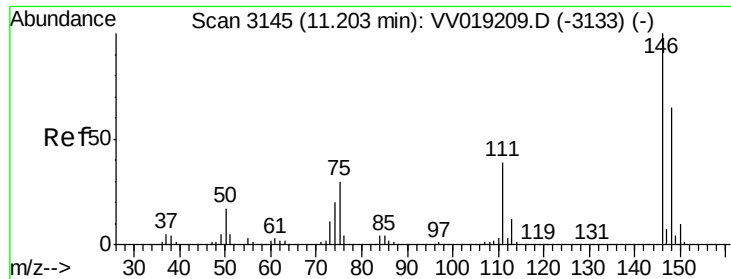
Tot Ion:105 Resp: 293732
 Ion Ratio Lower Upper
 105 100
 120 48.8 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 53.796 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

Tgt Ion:105 Resp: 286895
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.7 53.5

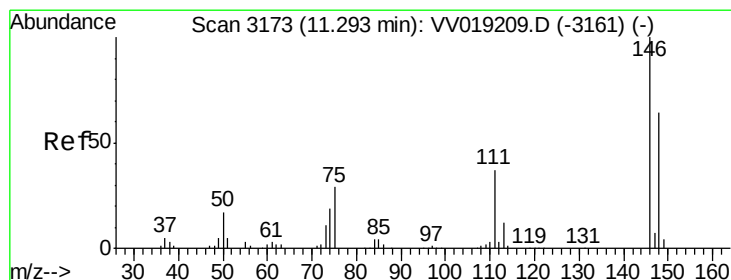
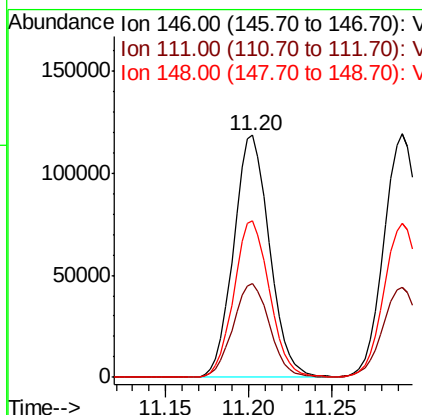
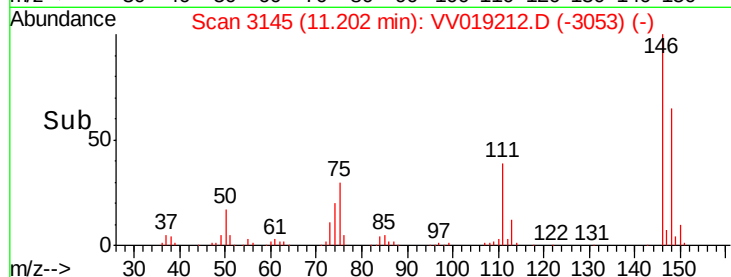
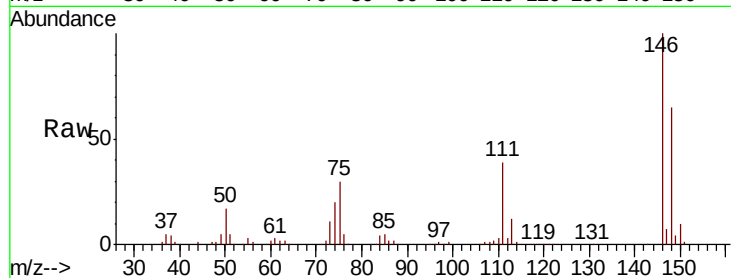




#64
 1,3-Dichlorobenzene
 Concen: 52.285 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

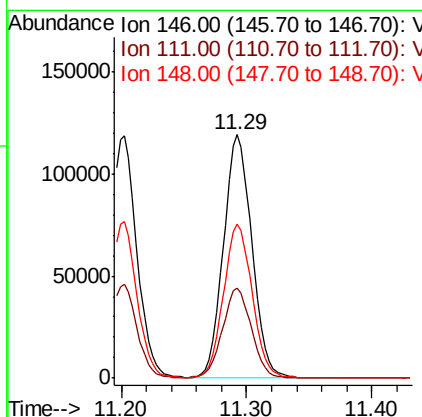
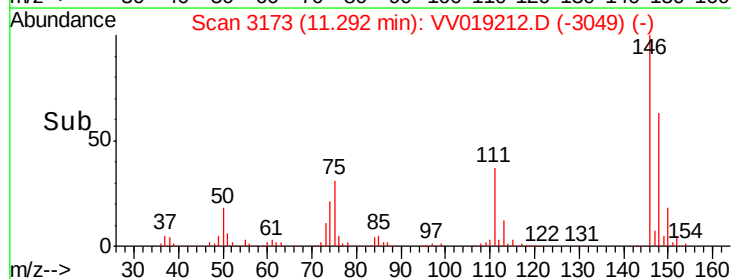
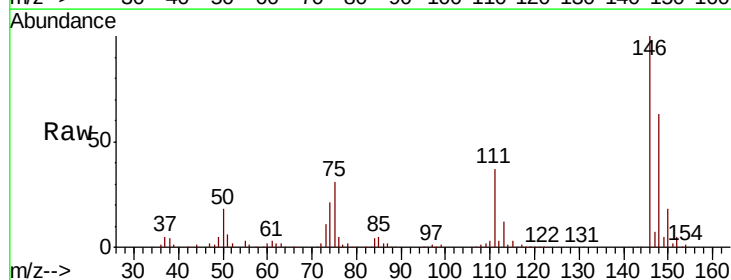
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

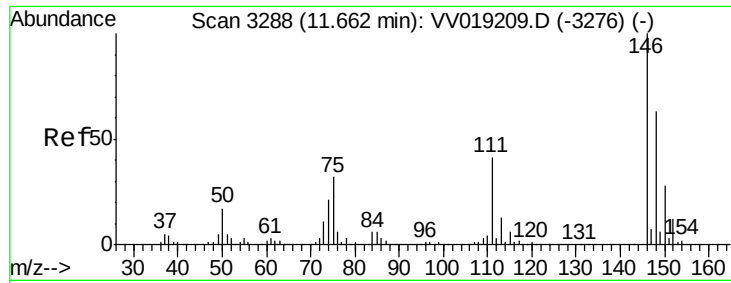
Tot Ion:146 Resp: 178963
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.3 50.7
 148 64.7 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 52.802 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

Tgt Ion:146 Resp: 186984
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.9 48.1
 148 63.3 44.9 83.5

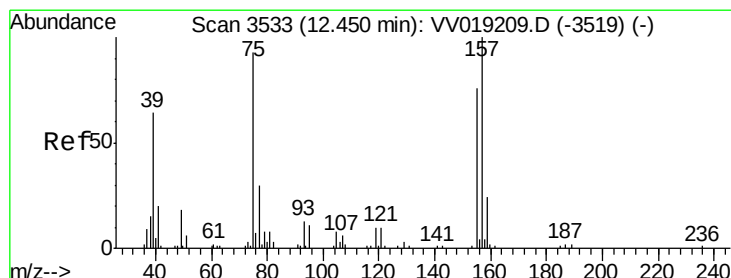
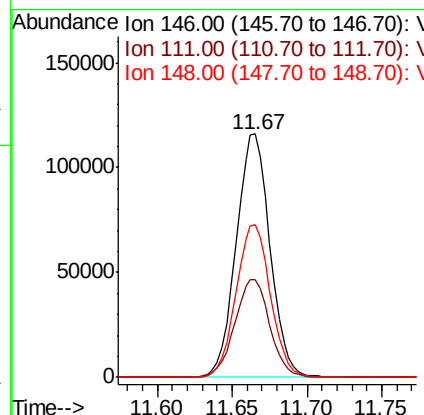
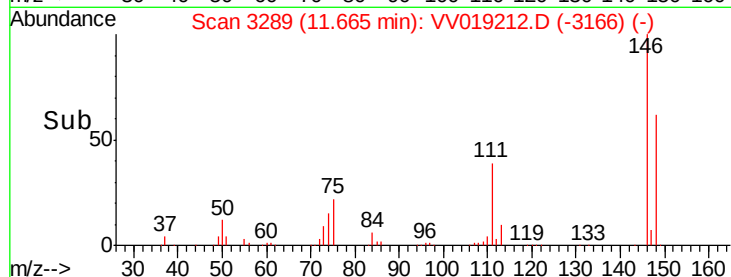
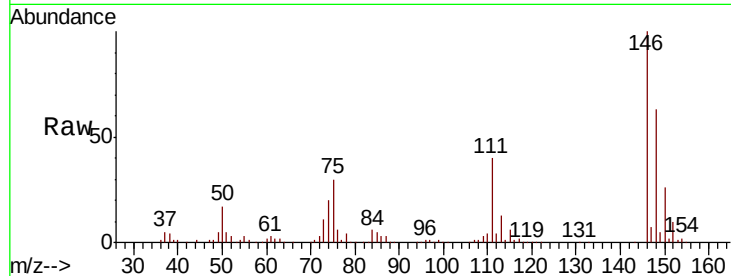




#67
 1,2-Dichlorobenzene
 Concen: 52.117 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

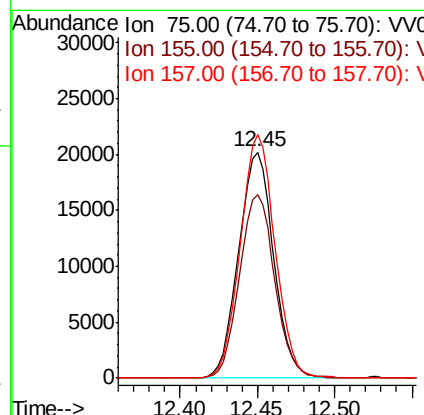
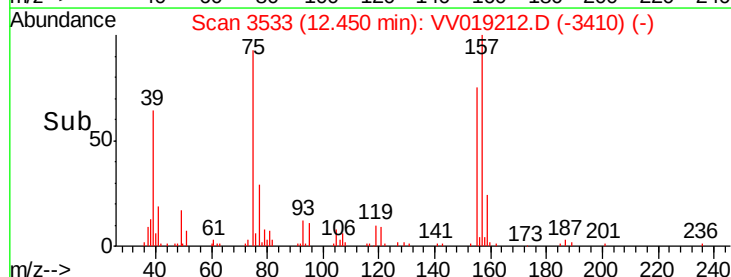
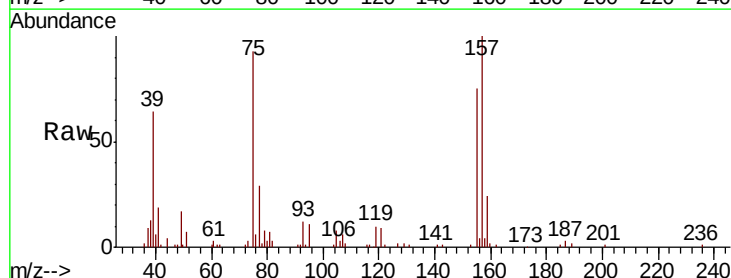
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

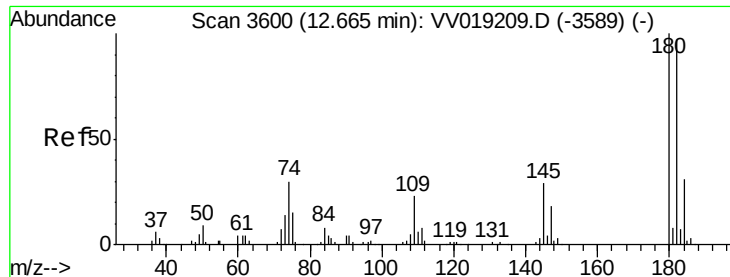
Tot Ion:146 Resp: 182502
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.6 48.8
 148 62.5 50.1 75.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 56.135 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

Tgt Ion: 75 Resp: 31766
 Ion Ratio Lower Upper
 75 100
 155 81.1 65.8 98.6
 157 107.6 86.3 129.5

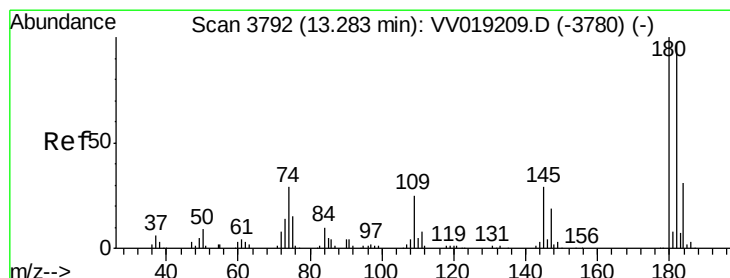
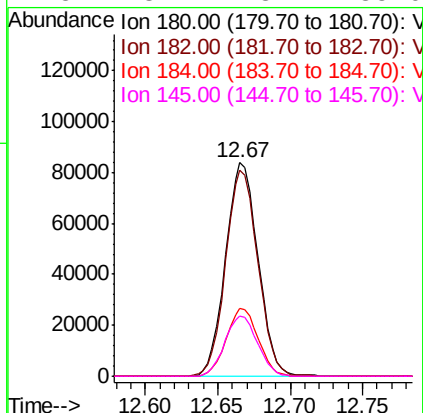
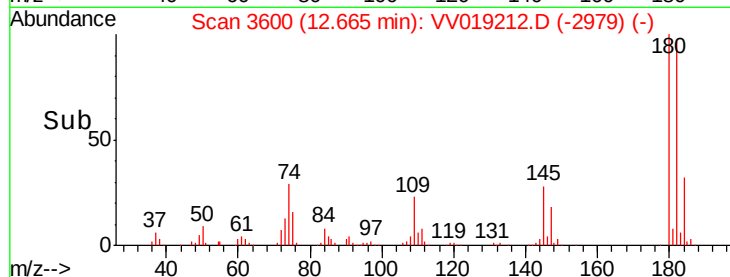
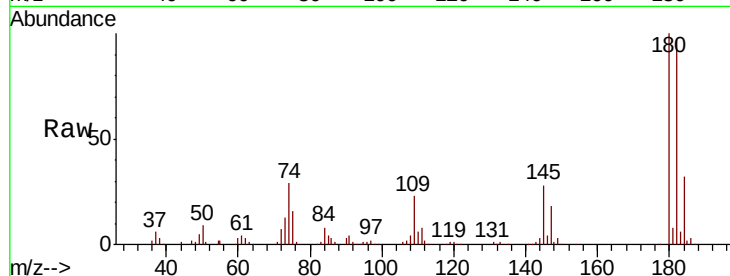




#69
 1,3,5-Trichlorobenzene
 Concen: 52.897 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

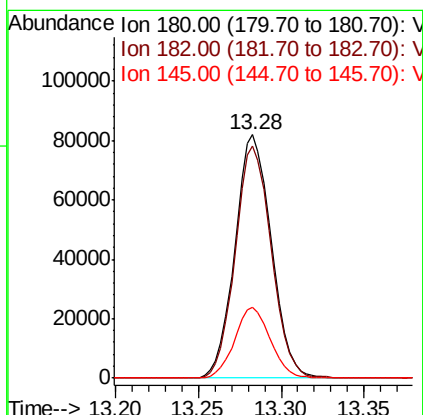
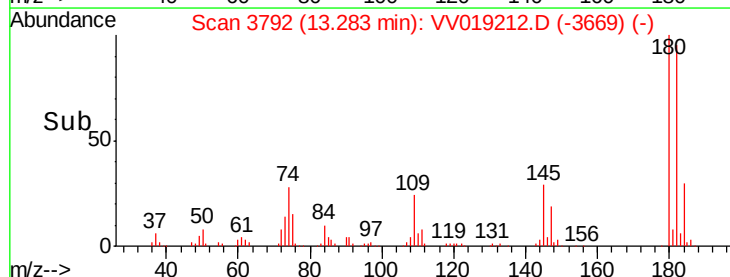
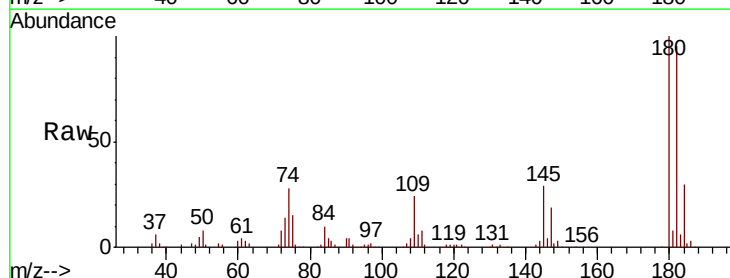
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV307

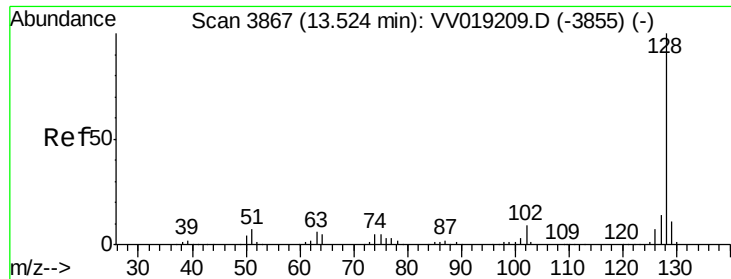
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.7	116.5
184	31.2	24.9	37.3
145	28.4	23.4	35.0



#70
 1,2,4-trichlorobenzene
 Concen: 54.068 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019212.D
 Acq: 02 Nov 2020 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.6	114.8
145	28.4	23.2	34.8

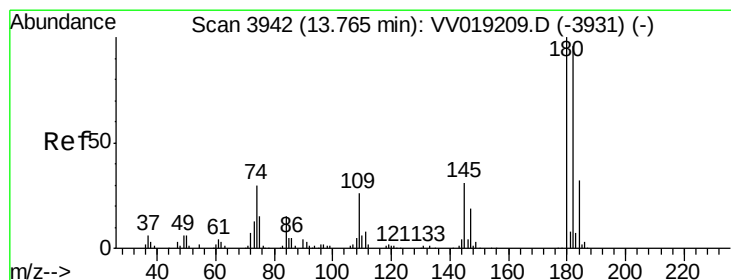
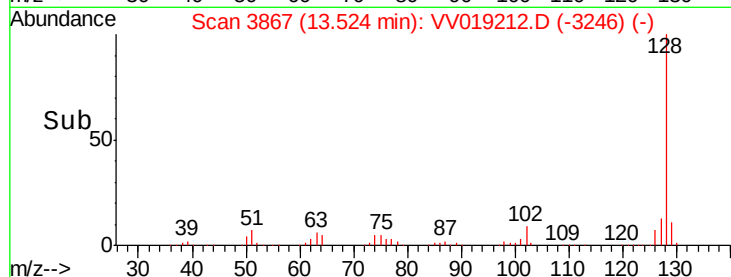
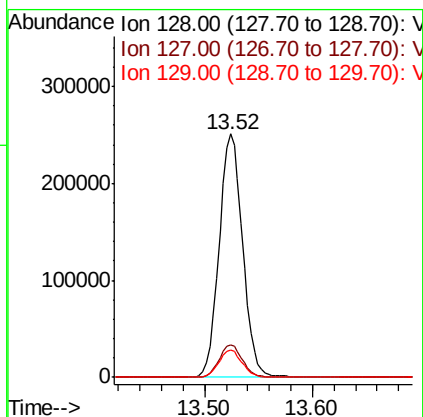
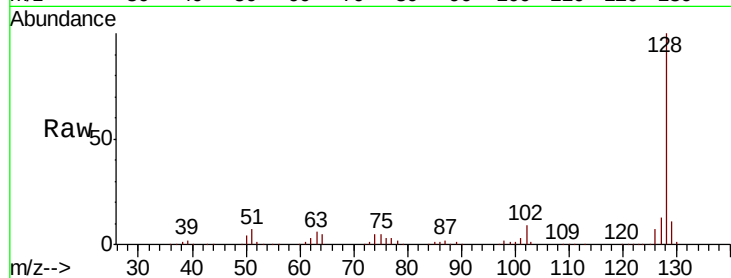




#71
Naphthalene
Concen: 58.155 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Instrument :
MSVOA_V
ClientSampleId :
VICV307

Tot Ion:128 Resp: 379137
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 55.813 ug/L
RT: 13.77 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VV019212.D
Acq: 02 Nov 2020 20:33

Tgt Ion:180 Resp: 127897
Ion Ratio Lower Upper
180 100
182 95.7 77.4 116.0
145 31.8 24.7 37.1

