

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102320\
 Data File : VV019106.D
 Acq On : 23 Oct 2020 20:52
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 24 03:34:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 24 03:31:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	285021	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279813	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147560	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96371	37.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.44%
7) Chloroethane-d5	1.58	69	84149	40.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.76%
11) 1,1-Dichloroethene-d2	2.13	63	204101	42.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.18%
21) 2-Butanone-d5	3.91	46	163341	93.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.80%
24) Chloroform-d	4.38	84	205719	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.86%
26) 1,2-Dichloroethane-d4	5.06	65	143119	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
32) Benzene-d6	5.08	84	378842	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.52%
36) 1,2-Dichloropropane-d6	6.09	67	121719	43.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.80%
41) Toluene-d8	7.34	98	339777	44.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.78%
43) trans-1,3-Dichloropropene-	7.64	79	63439	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.30%
47) 2-Hexanone-d5	8.11	63	117871	97.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.78%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	169002	45.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	142718	46.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	99844	44.973	ug/L 98
3) Chloromethane	1.25	50	122831	44.488	ug/L 98
5) Vinyl chloride	1.32	62	120358	44.250	ug/L 99
6) Bromomethane	1.53	94	75633	48.597	ug/L 100
8) Chloroethane	1.60	64	76502	44.850	ug/L 99
9) Trichlorofluoromethane	1.77	101	171155	47.840	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	85792	45.090	ug/L 98
12) 1,1-Dichloroethene	2.14	96	89216	46.865	ug/L 82
13) Acetone	2.20	43	107398	90.995	ug/L 100
14) Carbon disulfide	2.31	76	275802	43.942	ug/L 100
15) Methyl Acetate	2.45	43	112467	45.345	ug/L 97
16) Methylene chloride	2.52	84	104677	47.176	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	95442	47.443	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	320383	49.112	ug/L 99
19) 1,1-Dichloroethane	3.21	63	191001	47.026	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	102851	47.813	ug/L 98
22) 2-Butanone	4.00	43	158299	97.838	ug/L 98

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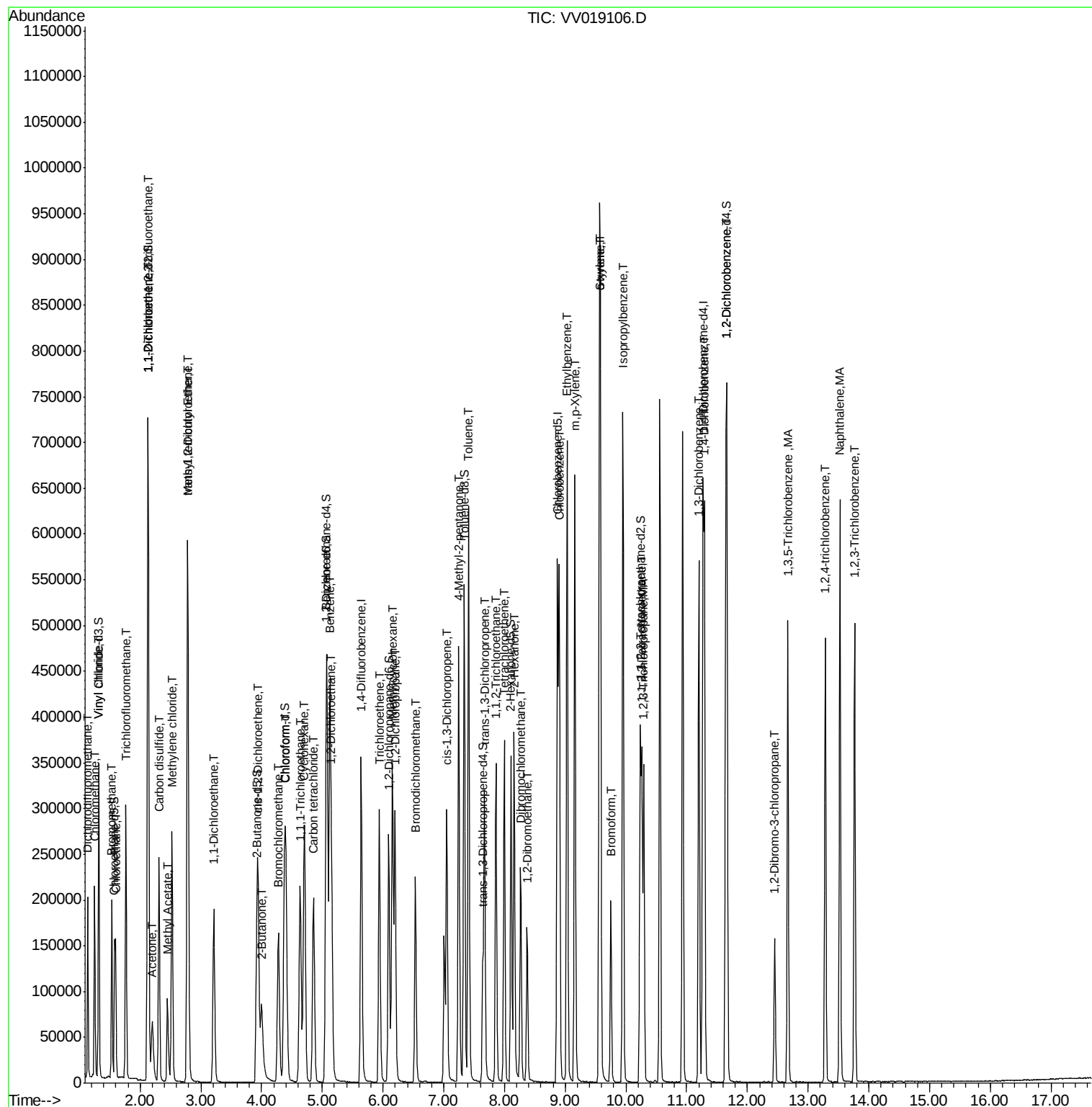
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	54597	49.859	ug/L	91
25) Chloroform	4.40	83	195108	48.763	ug/L	99
27) 1,2-Dichloroethane	5.15	62	169346	50.998	ug/L	100
29) Cyclohexane	4.70	56	149932	44.766	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	172783	49.595	ug/L	98
31) Carbon tetrachloride	4.86	117	148857	49.013	ug/L	99
33) Benzene	5.13	78	406877	47.499	ug/L	100
34) Trichloroethene	5.94	95	102185	47.207	ug/L	97
35) Methylcyclohexane	6.15	83	135300	45.684	ug/L	98
37) 1,2-Dichloropropane	6.20	63	108069	45.827	ug/L	99
38) Bromodichloromethane	6.53	83	145522	48.770	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	167252	47.990	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	313893	98.662	ug/L	100
42) Toluene	7.41	91	427406	48.610	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	171085	49.481	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	99450	47.748	ug/L	99
46) Tetrachloroethene	8.00	164	81130	48.841	ug/L	99
48) 2-Hexanone	8.16	43	241679	98.443	ug/L	99
49) Dibromochloromethane	8.27	129	113783	49.980	ug/L	99
50) 1,2-Dibromoethane	8.37	107	105518	48.819	ug/L	99
51) Chlorobenzene	8.90	112	272473	48.318	ug/L	99
52) Ethylbenzene	9.03	91	463143	48.712	ug/L	99
53) m,p-Xylene	9.16	106	173567	49.867	ug/L	98
54) o-xylene	9.56	106	171161	51.074	ug/L	99
55) Styrene	9.58	104	307512	51.730	ug/L	98
56) Isopropylbenzene	9.95	105	441932	50.152	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	162389	47.383	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	132991	48.230	ug/L	100
61) Bromoform	9.75	173	86648	52.142	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	219405	49.548	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	226236	48.893	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	220821	49.459	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	38420	48.707	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	151945	50.251	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	143027	50.162	ug/L	99
69) Naphthalene	13.52	128	455544	51.854	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	149342	51.694	ug/L	97

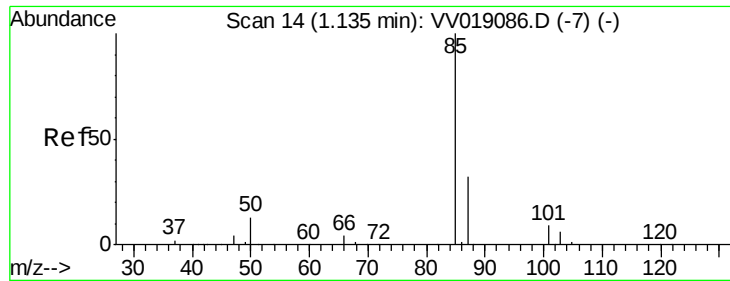
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.973 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

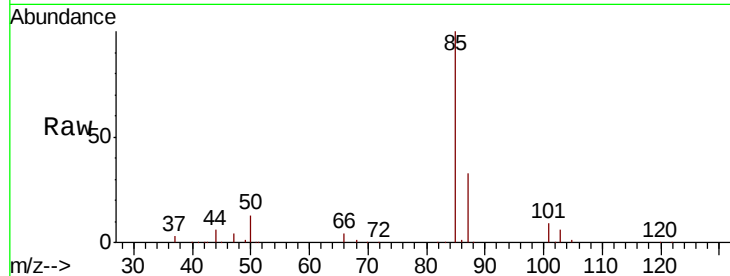
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 99844

Ion Ratio Lower Upper

85 100

87 33.0 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019086.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019086.D (-7) (-)

1.14

120000

100000

80000

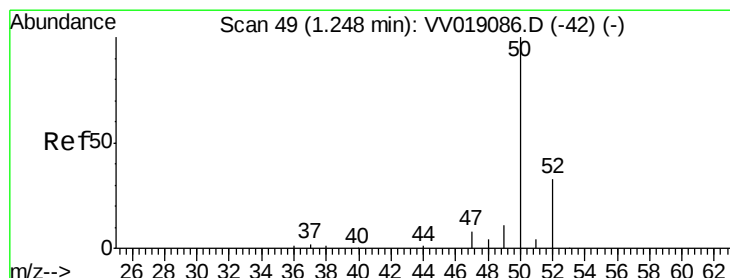
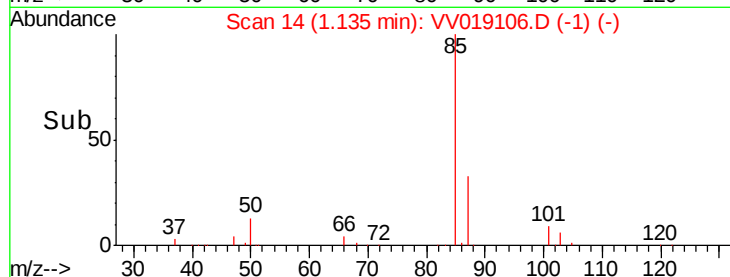
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 44.488 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019106.D

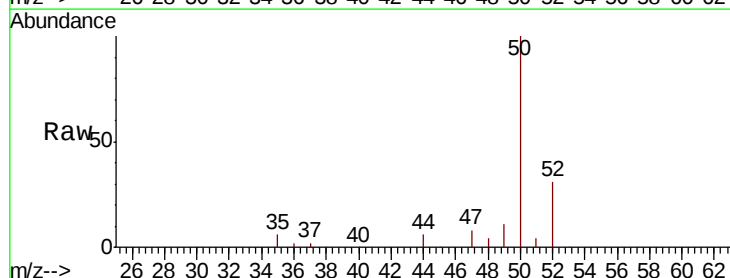
Acq: 23 Oct 2020 20:52

Tgt Ion: 50 Resp: 122831

Ion Ratio Lower Upper

50 100

52 31.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019086.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019086.D (-42) (-)

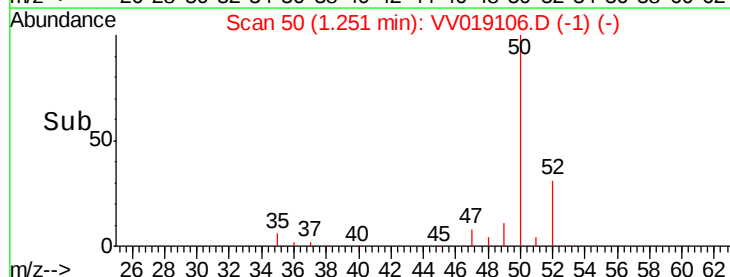
1.25

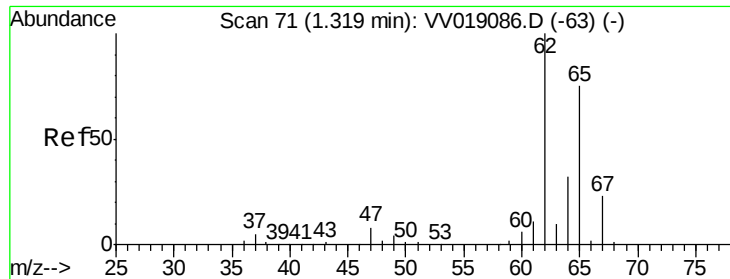
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 44.250 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

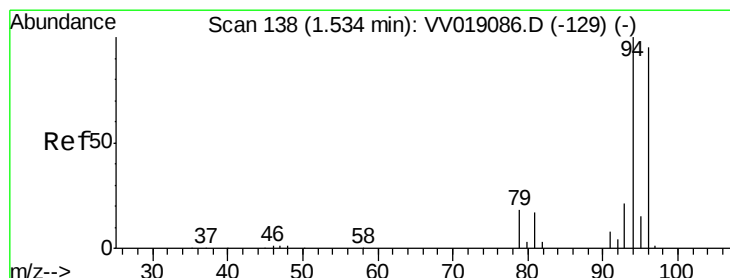
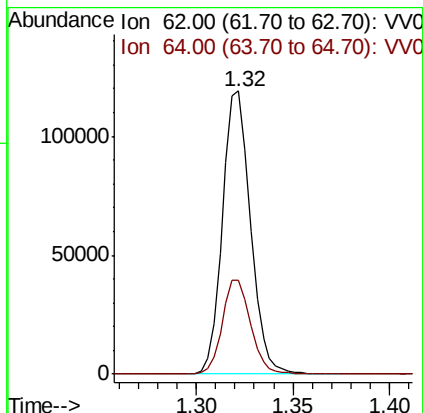
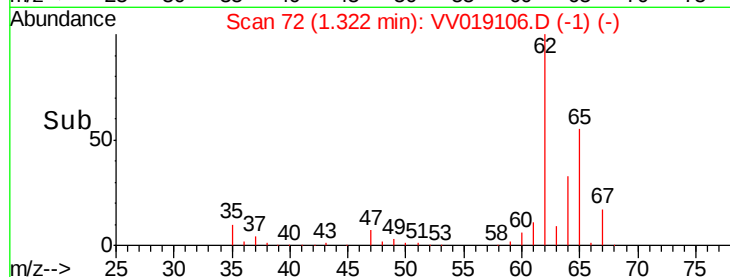
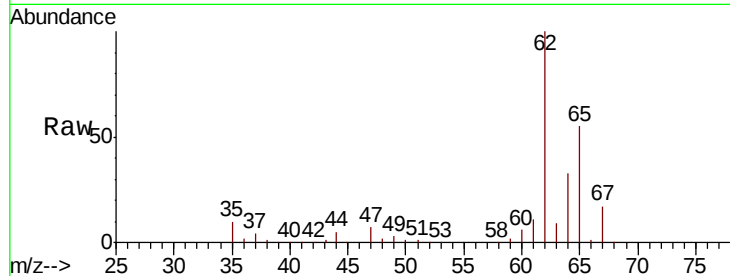
ClientSampled :

Tot Ion: 62 Resp: 120358

Ion Ratio Lower Upper

62 100

64 33.4 22.9 42.5



#6

Bromomethane

Concen: 48.597 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019106.D

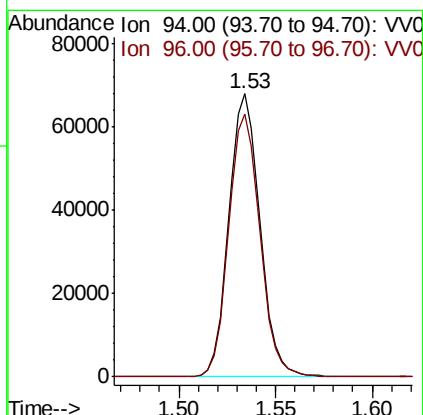
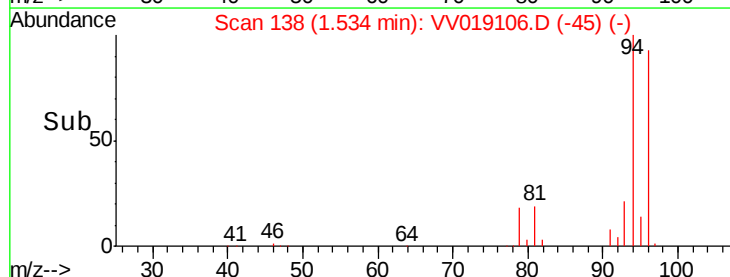
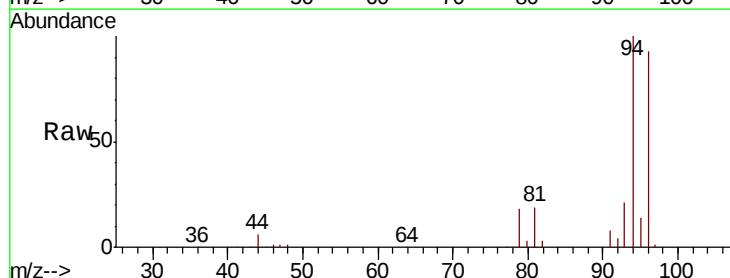
Acq: 23 Oct 2020 20:52

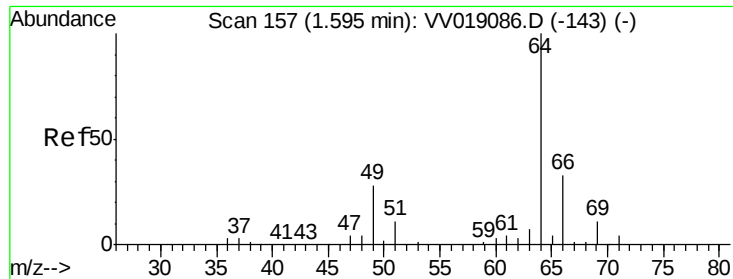
Tgt Ion: 94 Resp: 75633

Ion Ratio Lower Upper

94 100

96 92.9 65.3 121.3

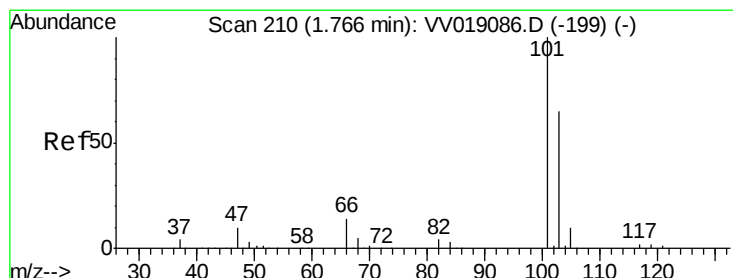
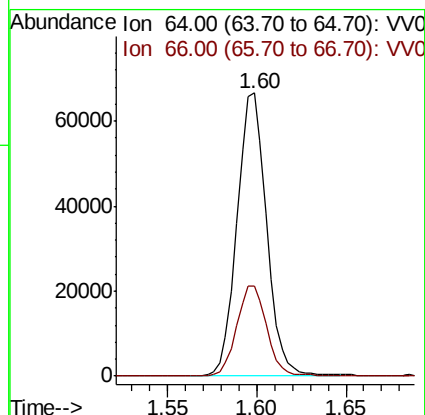
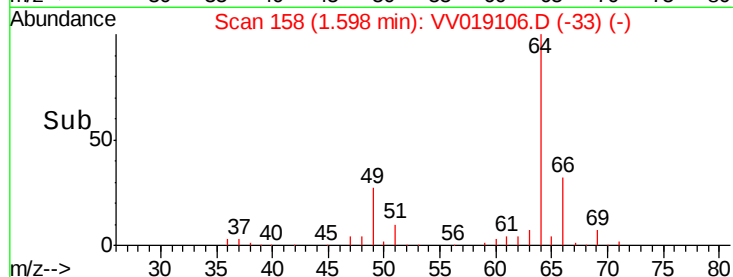
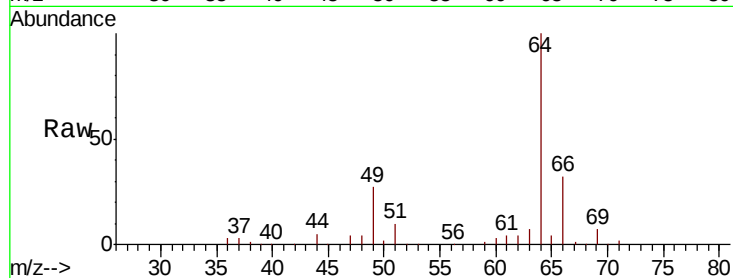




#8
 Chloroethane
 Concen: 44.850 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VV019106.D
 Acq: 23 Oct 2020 20:52

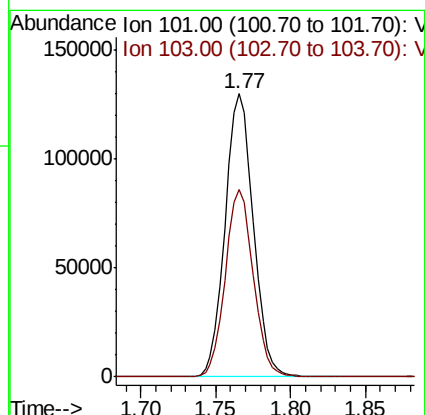
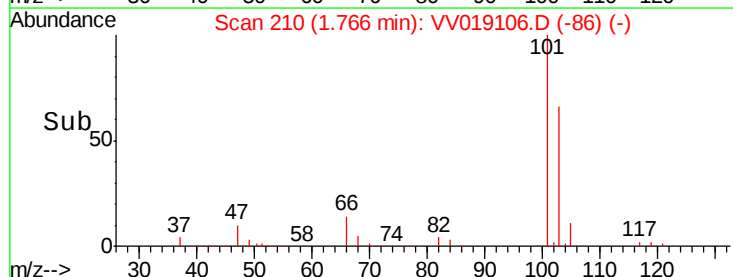
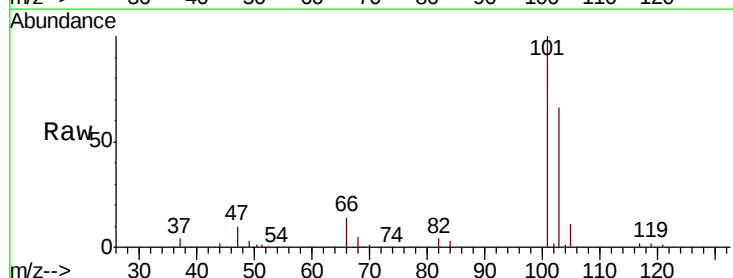
Instrument :
 MSVOA_V
 ClientSampleId :

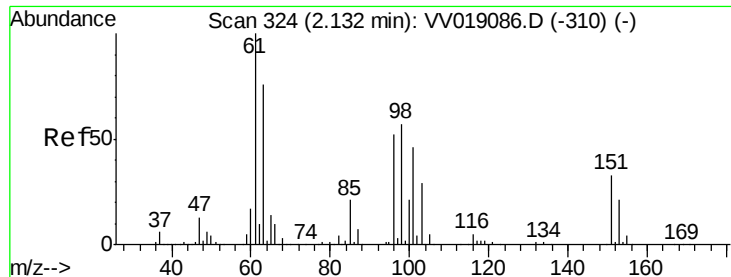
Tot Ion: 64 Resp: 76502
 Ion Ratio Lower Upper
 64 100
 66 31.8 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 47.840 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV019106.D
 Acq: 23 Oct 2020 20:52

Tgt Ion:101 Resp: 171155
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.7 77.5





#10

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

Concen: 45.090 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

ClientSampleId :

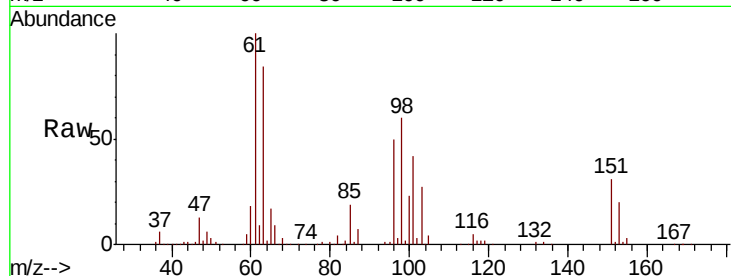
Tot Ion:101 Resp: 85792

Ion Ratio Lower Upper

101 100

85 44.5 36.9 55.3

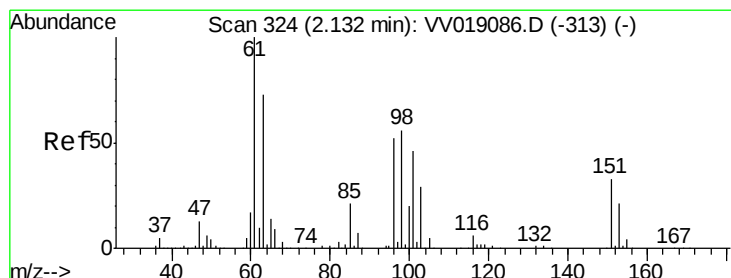
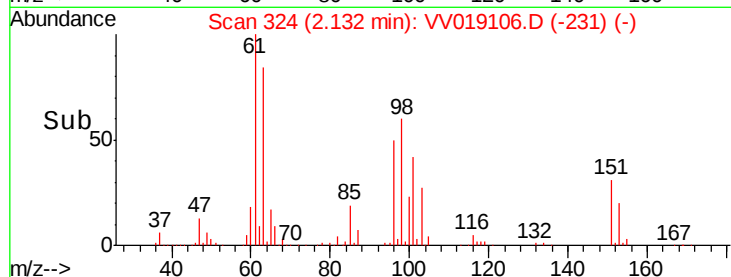
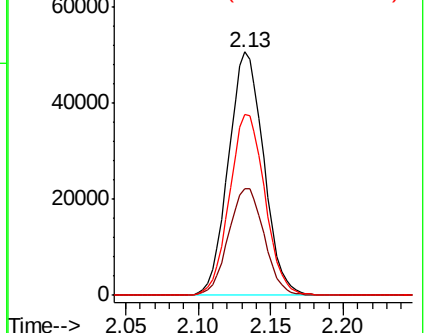
151 74.5 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): VV019106.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019106.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019106.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 46.865 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

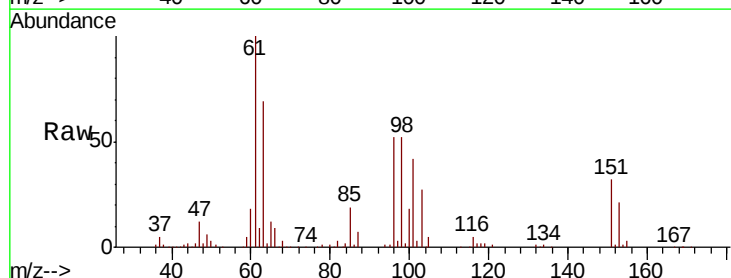
Tgt Ion: 96 Resp: 89216

Ion Ratio Lower Upper

96 100

61 192.2 138.7 257.7

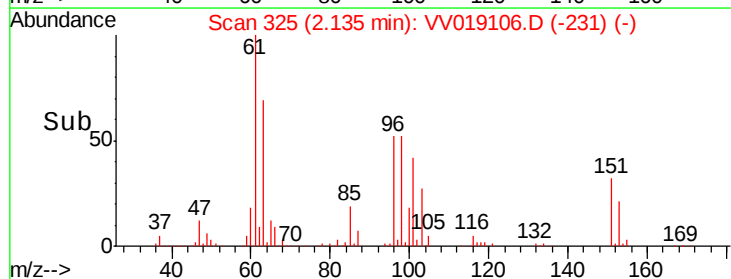
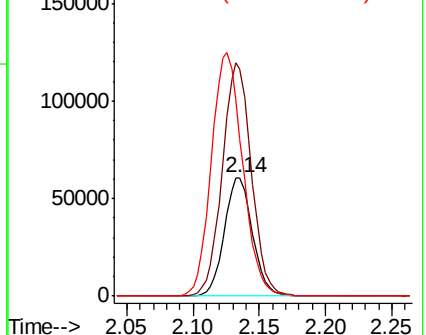
63 133.0 126.3 234.6

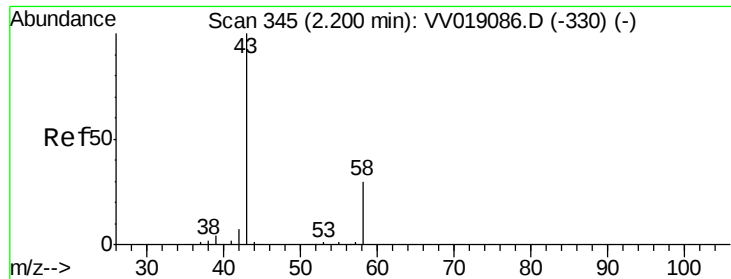


Abundance Ion 96.00 (95.70 to 96.70): VV019106.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019106.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019106.D (-231) (-)





#13

Acetone

Concen: 90.995 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

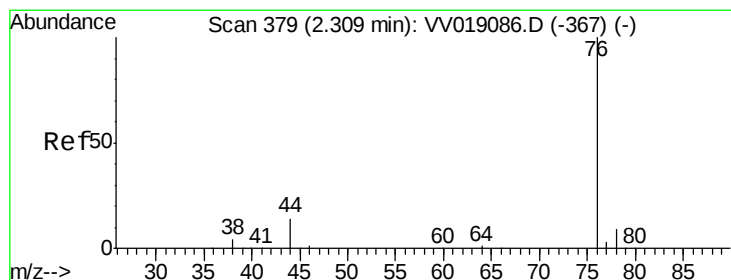
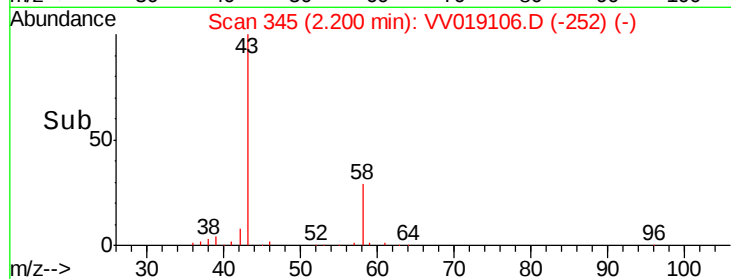
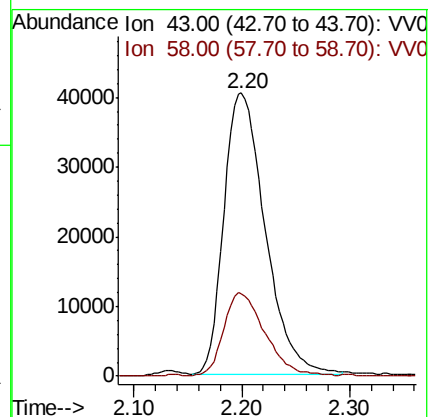
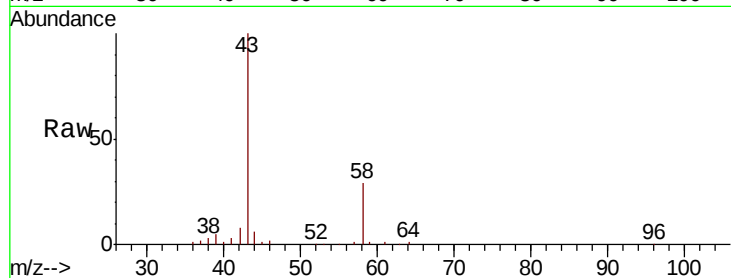
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 107398

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.2



#14

Carbon disulfide

Concen: 43.942 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019106.D

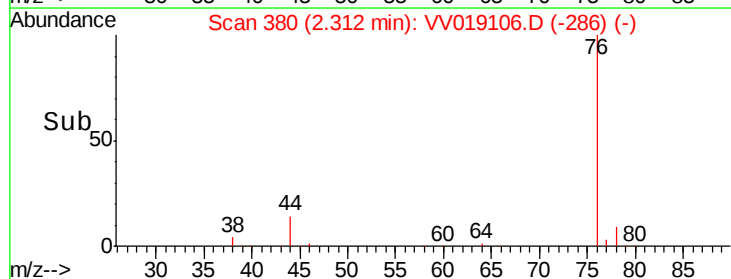
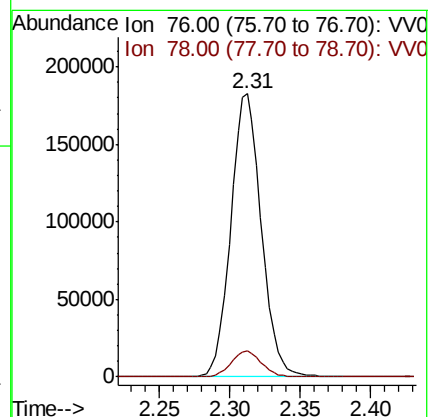
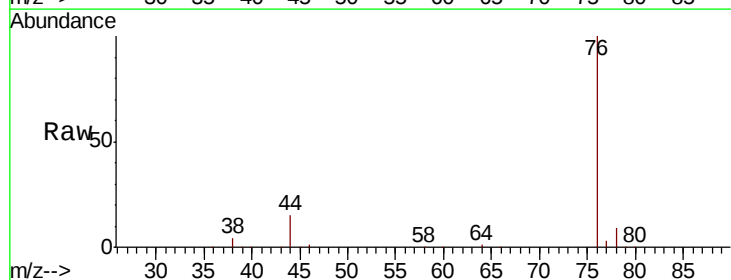
Acq: 23 Oct 2020 20:52

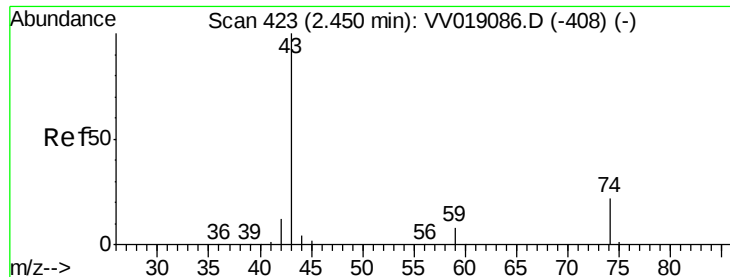
Tgt Ion: 76 Resp: 275802

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

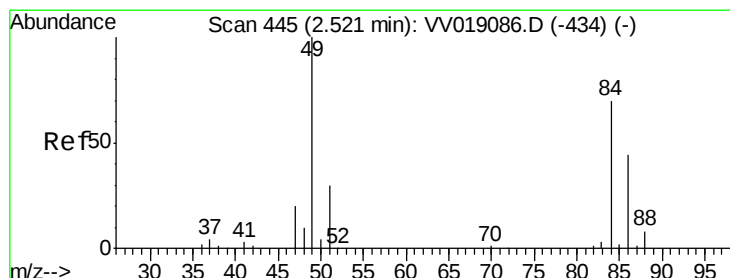
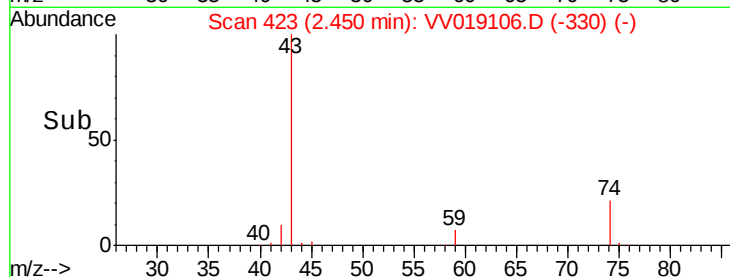
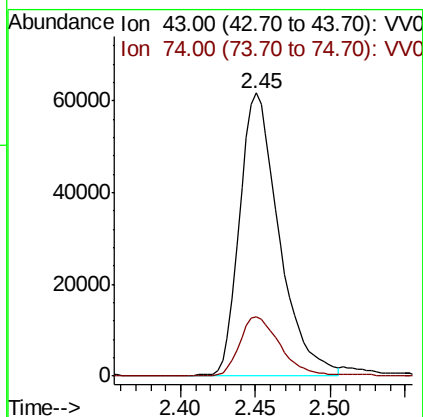
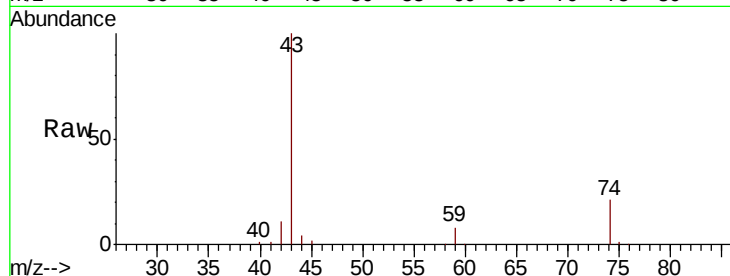




#15
Methyl Acetate
Concen: 45.345 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

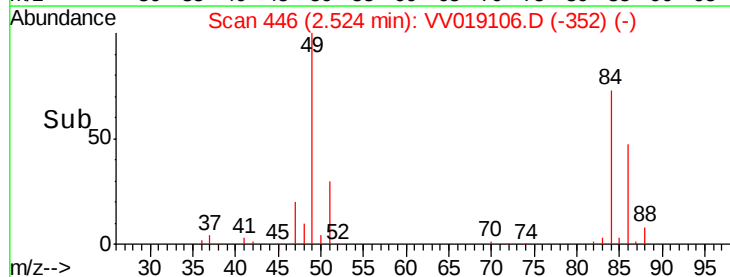
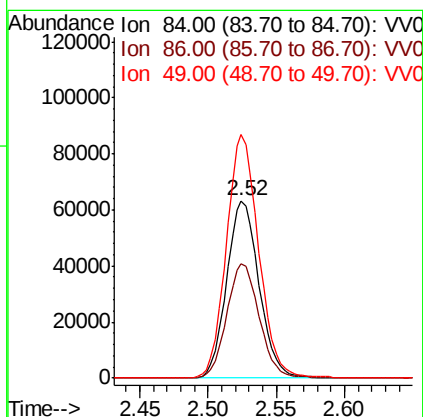
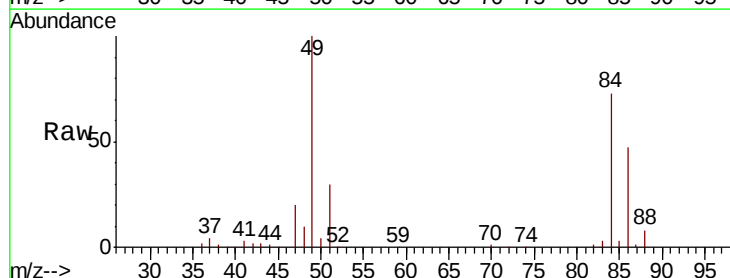
Instrument :
MSVOA_V
ClientSampleId :

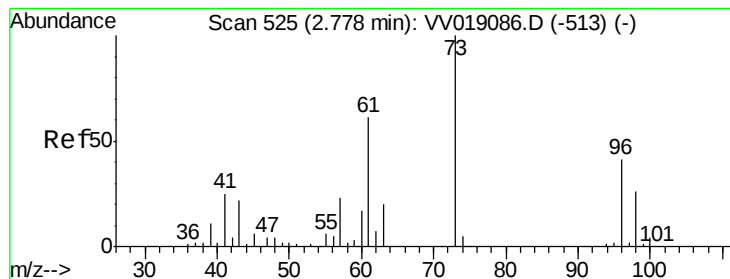
Tot Ion: 43 Resp: 112467
Ion Ratio Lower Upper
43 100
74 21.7 16.4 24.6



#16
Methylene chloride
Concen: 47.176 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

Tgt Ion: 84 Resp: 104677
Ion Ratio Lower Upper
84 100
86 64.6 44.2 82.2
49 137.0 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 47.443 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :
MSVOA_V
ClientSampled :

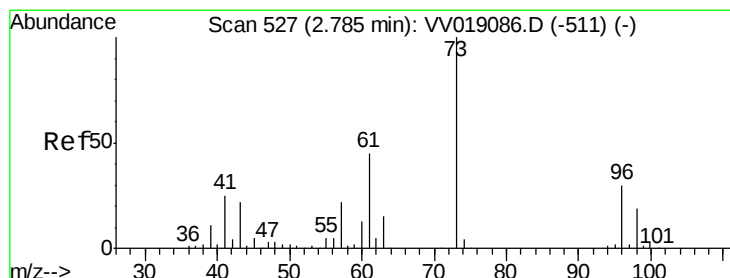
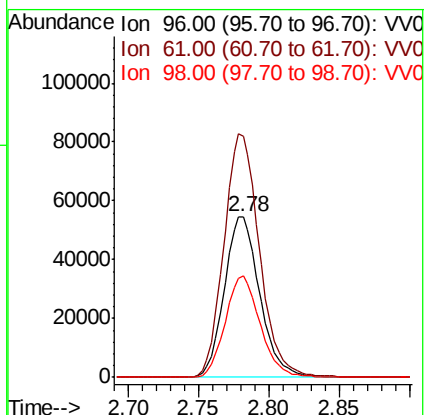
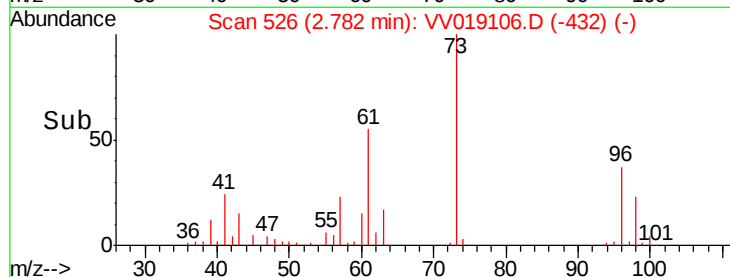
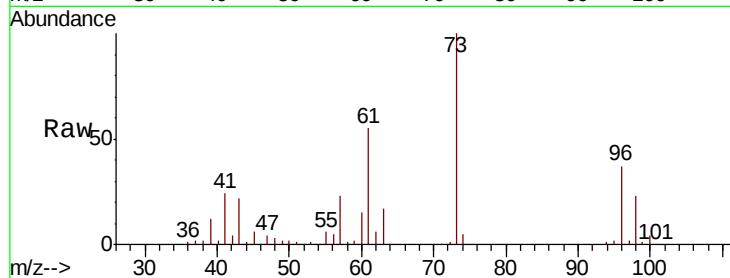
Tot Ion: 96 Resp: 95442

Ion Ratio Lower Upper

96 100

61 150.2 108.6 201.8

98 62.9 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 49.112 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

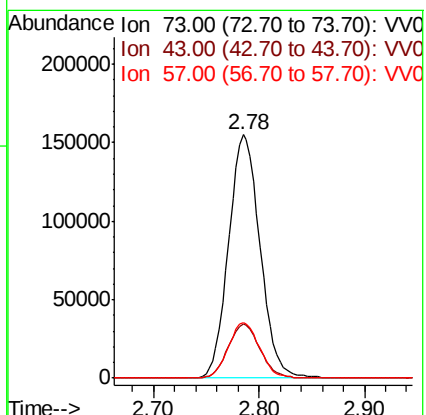
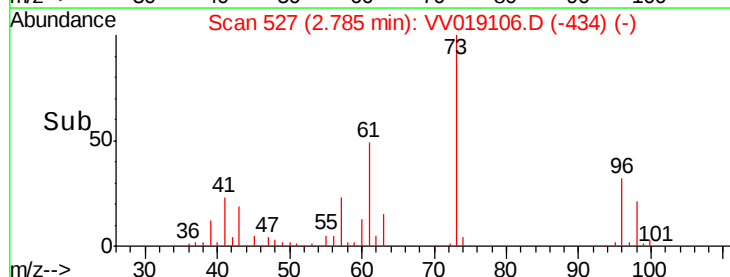
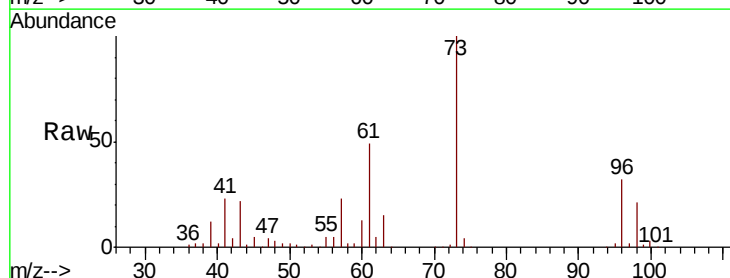
Tgt Ion: 73 Resp: 320383

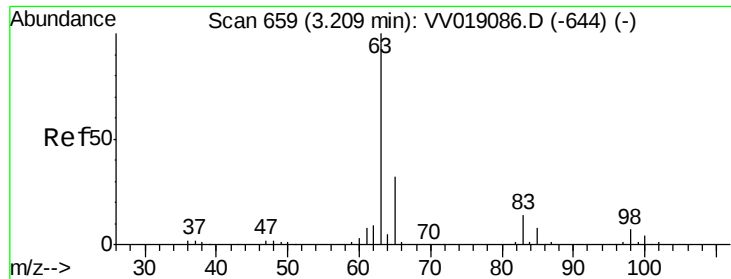
Ion Ratio Lower Upper

73 100

43 22.0 17.2 25.8

57 22.8 18.5 27.7

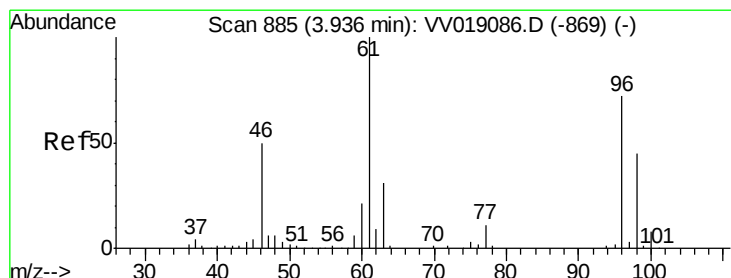
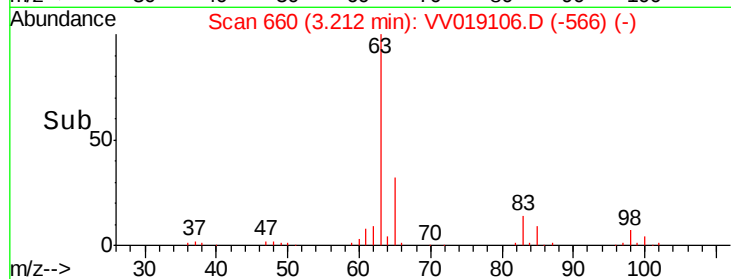
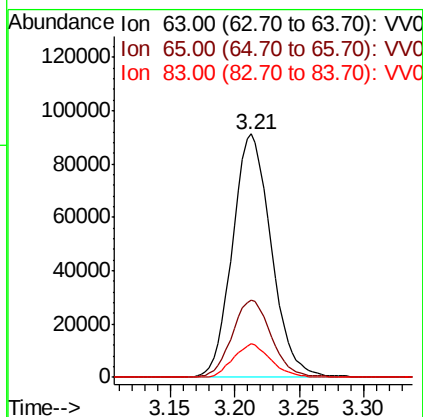
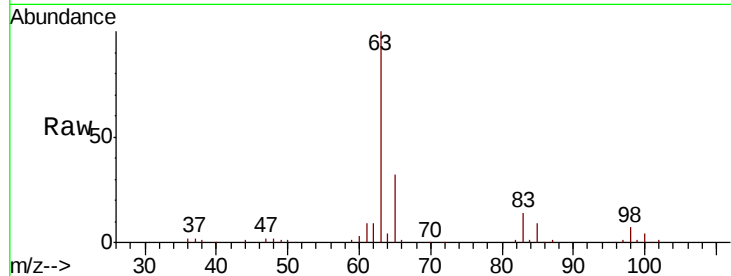




#19
 1,1-Dichloroethane
 Concen: 47.026 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019106.D
 Acq: 23 Oct 2020 20:52

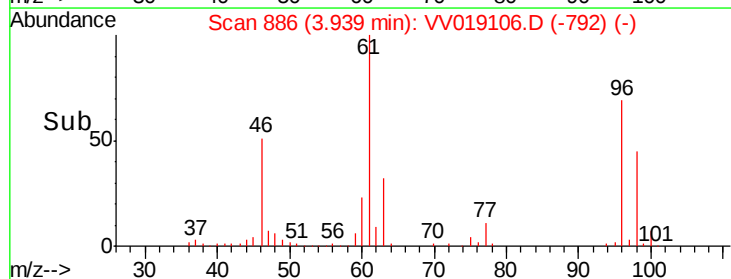
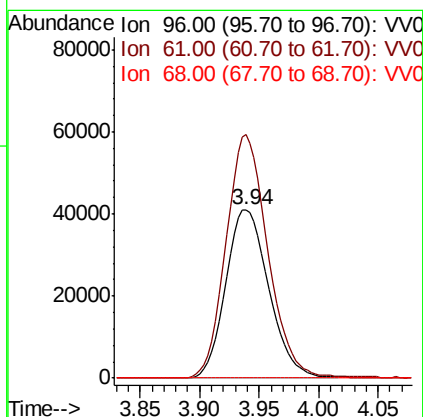
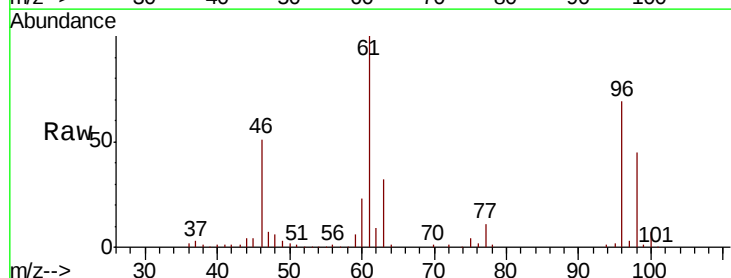
Instrument :
 MSVOA_V
 ClientSampleId :

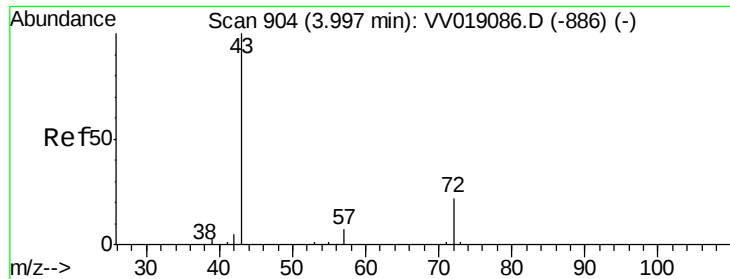
Tot Ion: 63 Resp: 191001
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.7 42.1
 83 13.6 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 47.813 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV019106.D
 Acq: 23 Oct 2020 20:52

Tgt Ion: 96 Resp: 102851
 Ion Ratio Lower Upper
 96 100
 61 144.4 99.4 184.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.838 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

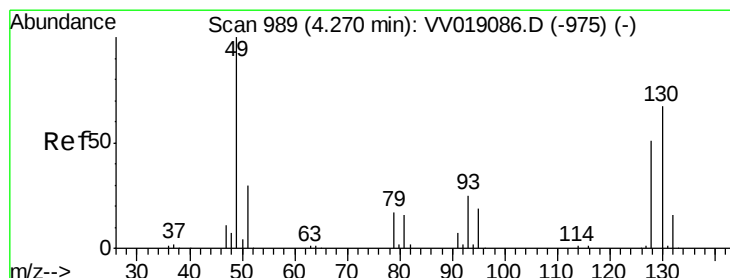
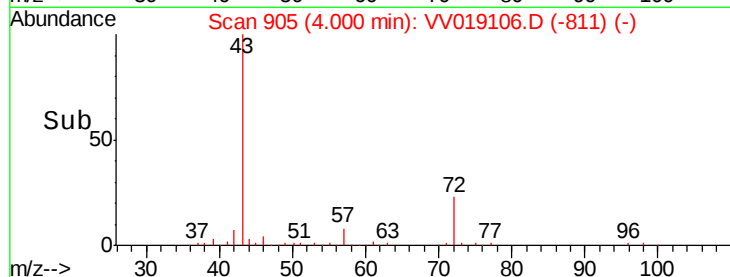
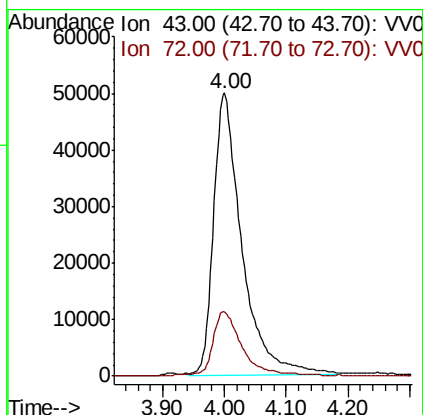
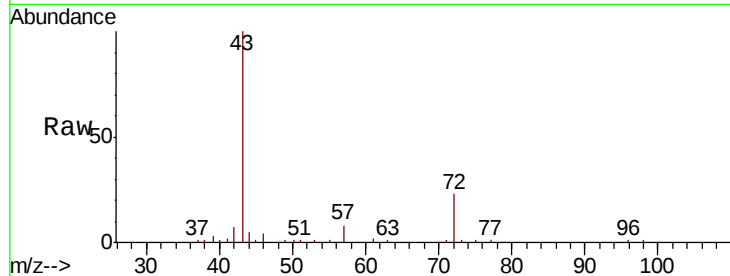
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 158299

Ion Ratio Lower Upper

43 100

72 20.8 10.8 32.4



#23

Bromochloromethane

Concen: 49.859 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Tgt Ion: 128 Resp: 54597

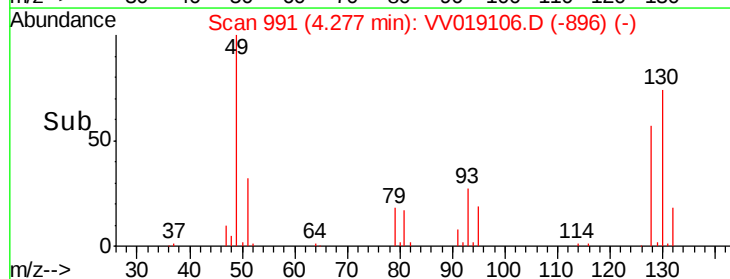
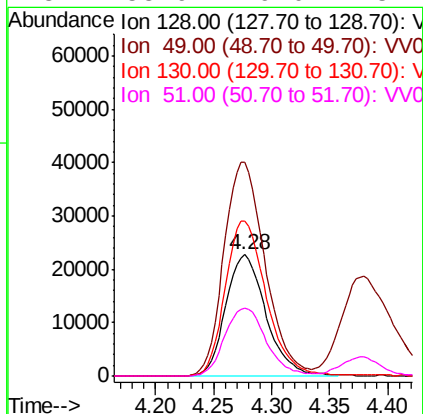
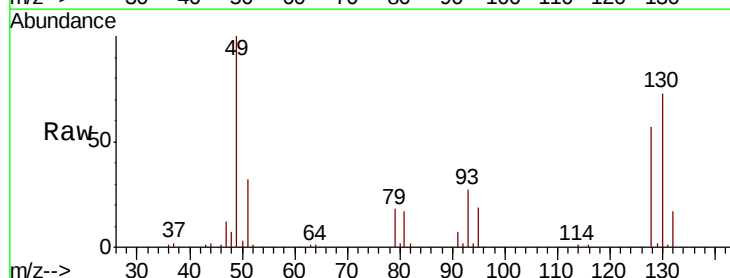
Ion Ratio Lower Upper

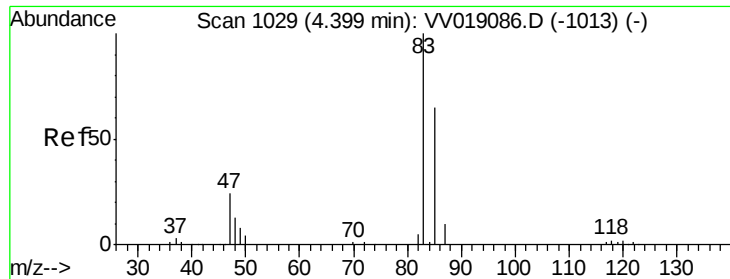
128 100

49 176.3 137.1 254.5

130 128.2 92.0 170.9

51 55.9 49.0 73.4

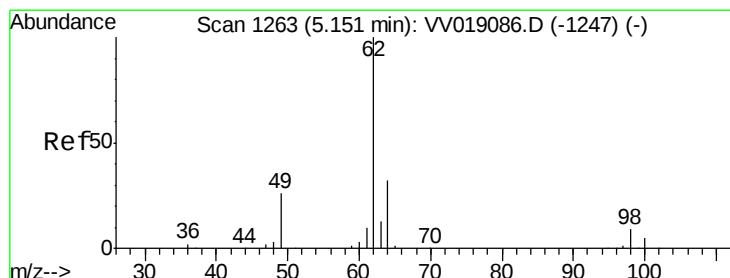
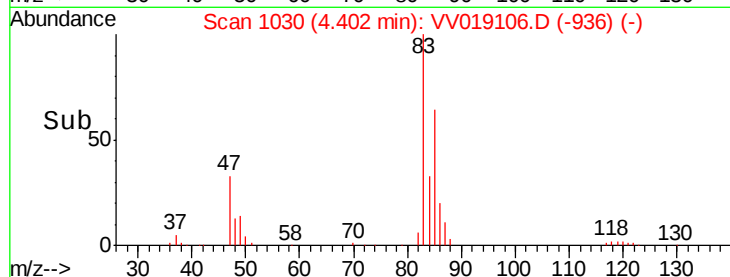
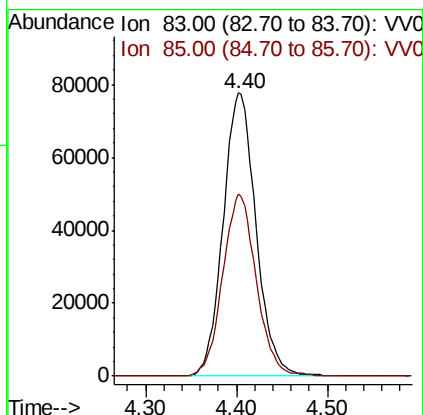
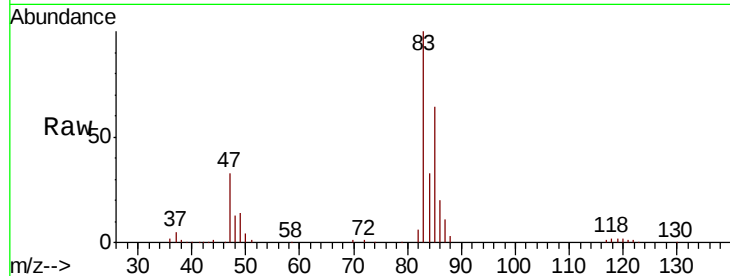




#25
Chloroform
Concen: 48.763 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

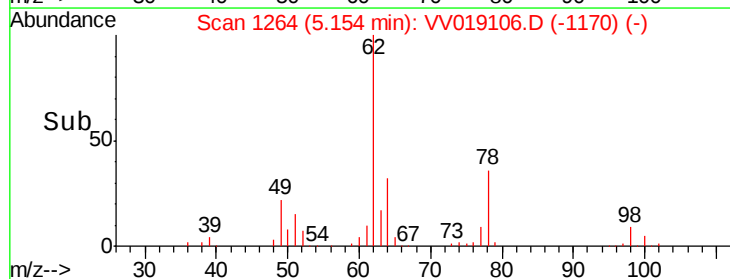
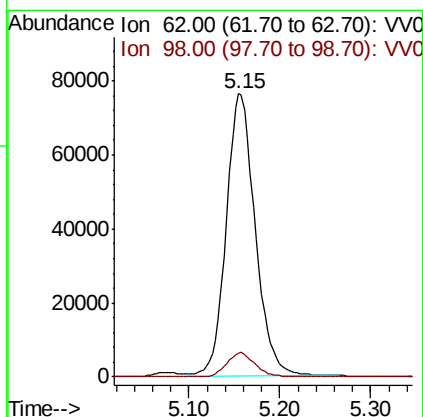
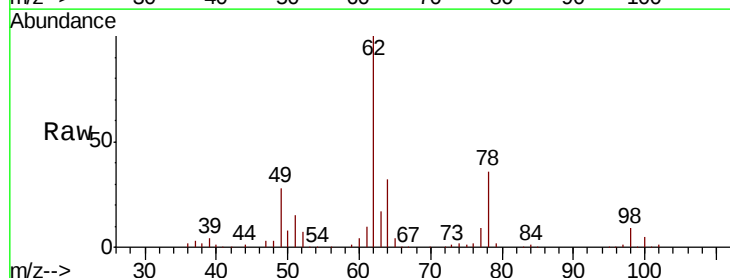
Instrument :
MSVOA_V
ClientSampleId :

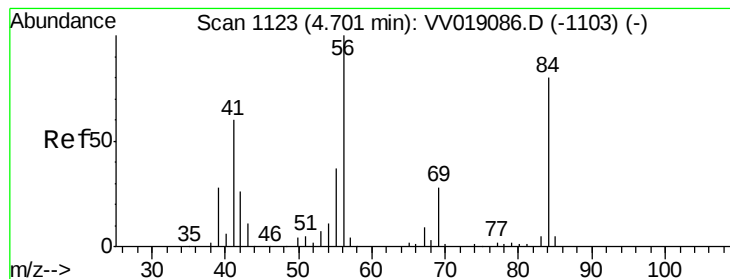
Tot Ion: 83 Resp: 195108
Ion Ratio Lower Upper
83 100
85 64.4 44.5 82.7



#27
1,2-Dichloroethane
Concen: 50.998 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

Tgt Ion: 62 Resp: 169346
Ion Ratio Lower Upper
62 100
98 8.5 6.9 10.3





#29

Cvclohexane

Concen: 44.766 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :
MSVOA_V
ClientSampleId :

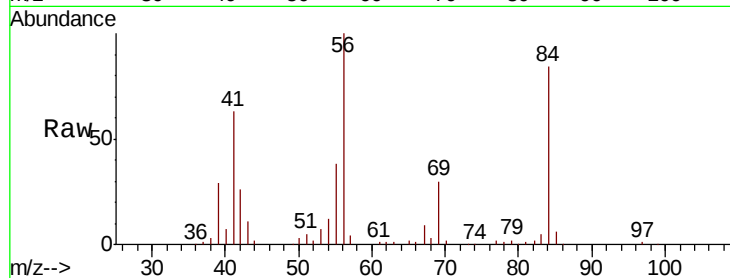
Tot Ion: 56 Resp: 149932

Ion Ratio Lower Upper

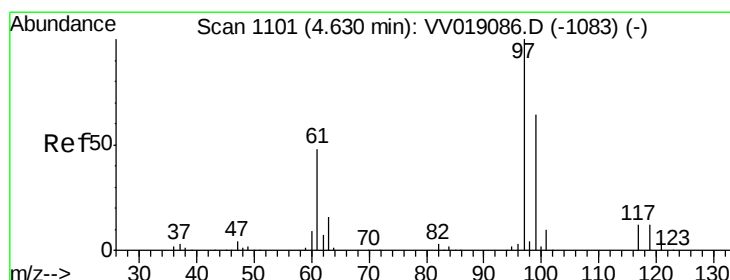
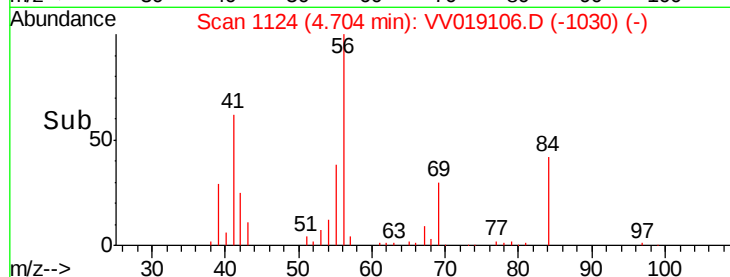
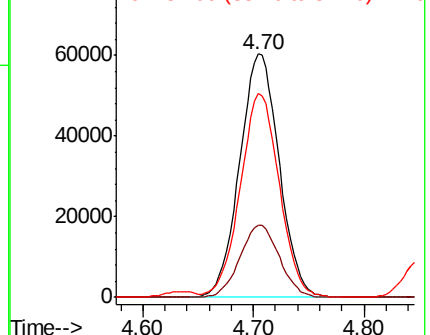
56 100

69 29.5 22.7 34.1

84 82.9 63.5 95.3



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: 49.595 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

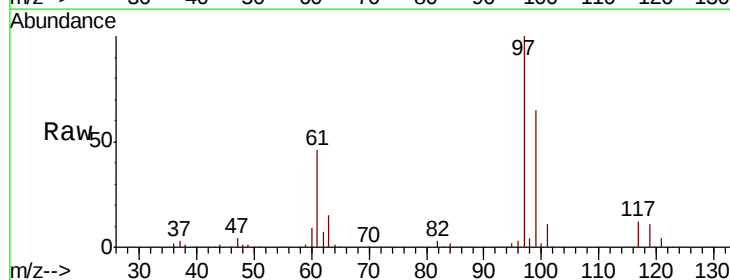
Tgt Ion: 97 Resp: 172783

Ion Ratio Lower Upper

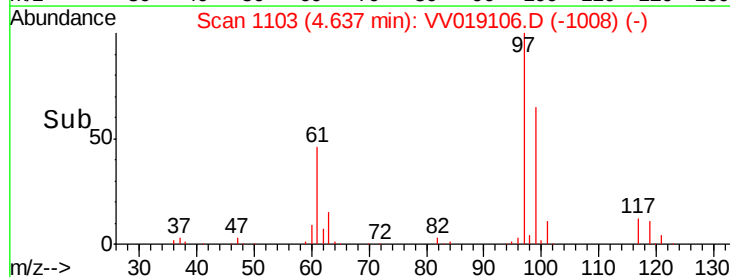
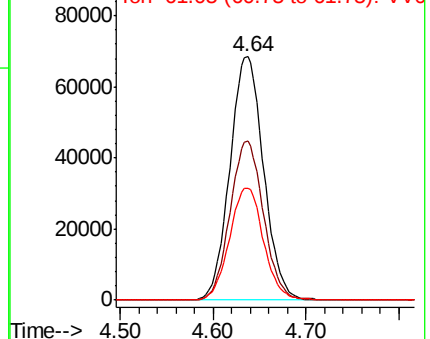
97 100

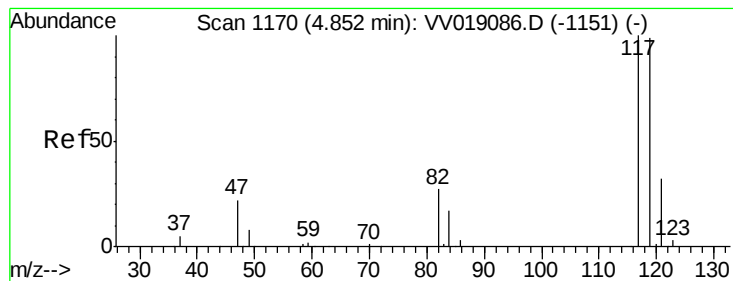
99 64.5 50.5 75.7

61 46.5 38.1 57.1



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: 49.013 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

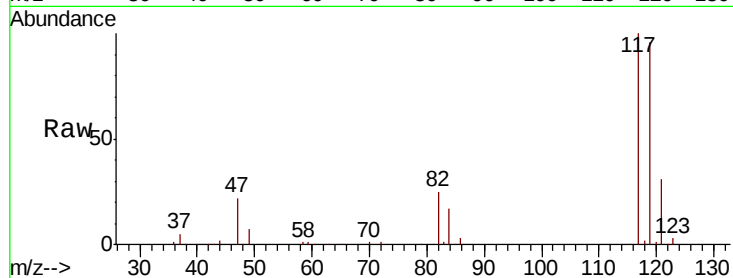
ClientSampleId :

Tot Ion:117 Resp: 148857

Ion Ratio Lower Upper

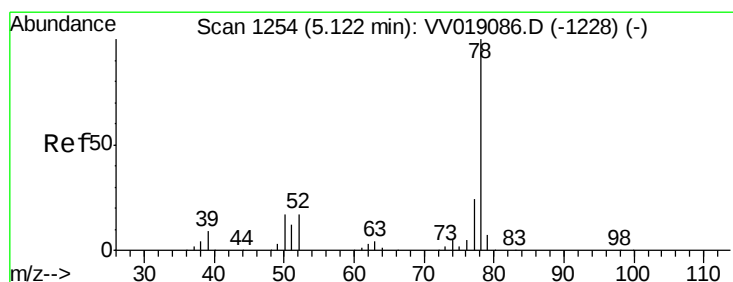
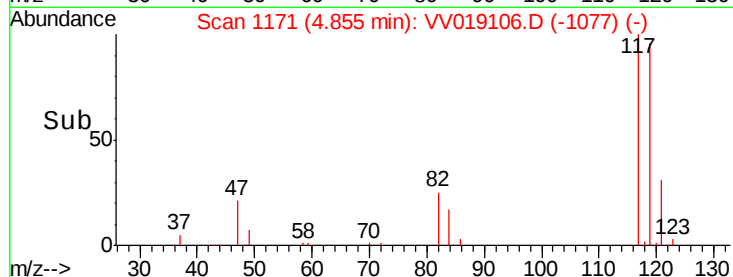
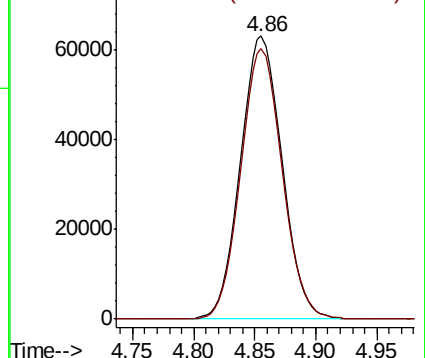
117 100

119 95.3 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.499 ug/L

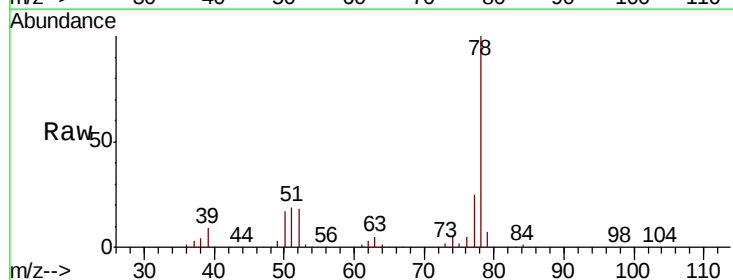
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

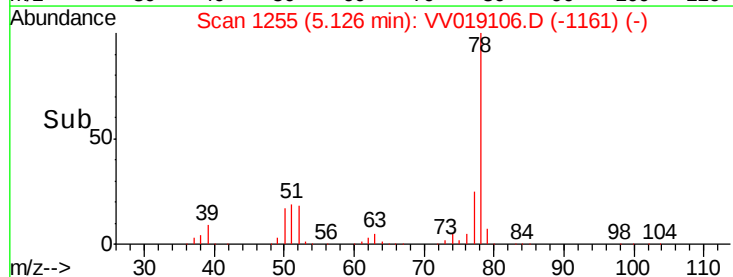
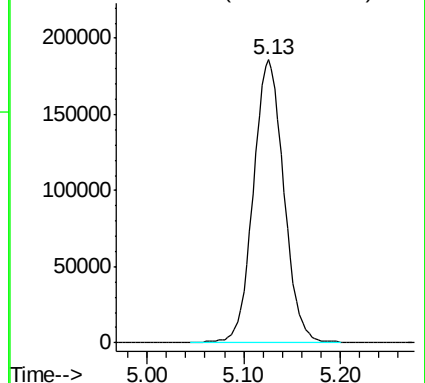
Lab File: VV019106.D

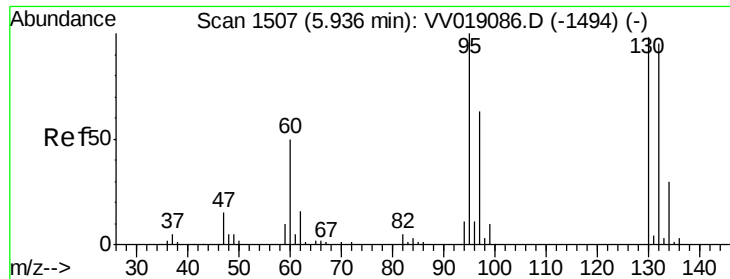
Acq: 23 Oct 2020 20:52

Tgt Ion: 78 Resp: 406877



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.207 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 102185

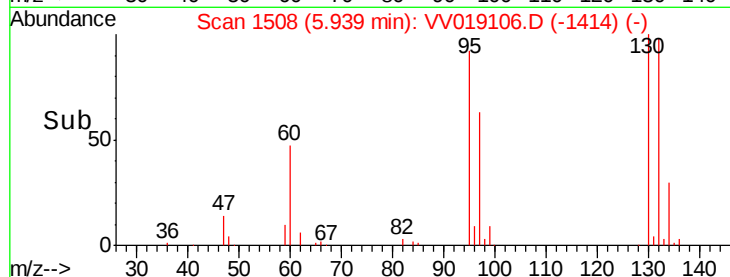
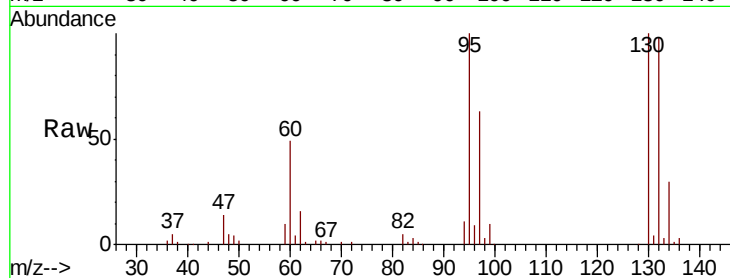
Ion Ratio Lower Upper

95 100

97 63.4 44.6 82.8

132 97.6 66.0 122.6

130 99.9 67.6 125.6

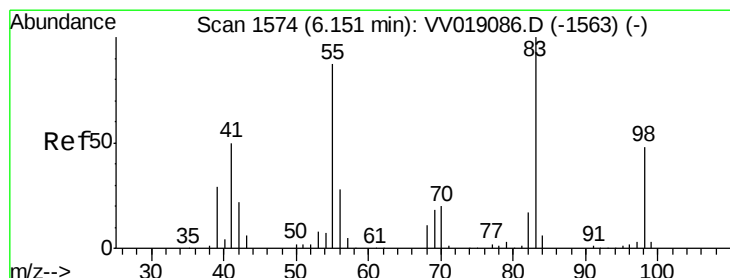
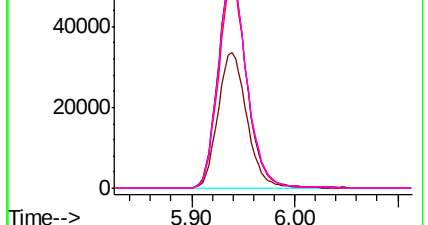


Abundance Ion 95.00 (94.70 to 95.70): VV019106.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV019106.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV019106.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV019106.D (-1414) (-)



#35

Methylcyclohexane

Concen: 45.684 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

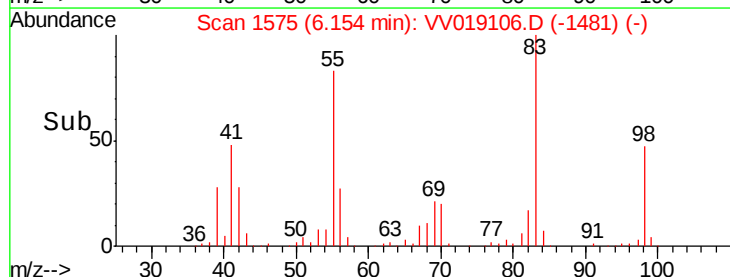
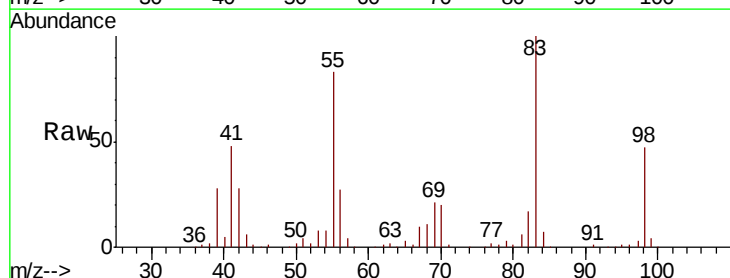
Tgt Ion: 83 Resp: 135300

Ion Ratio Lower Upper

83 100

55 82.3 68.1 102.1

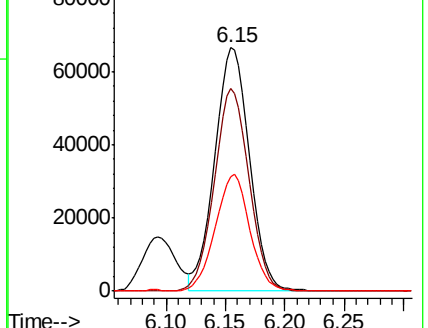
98 46.9 37.9 56.9

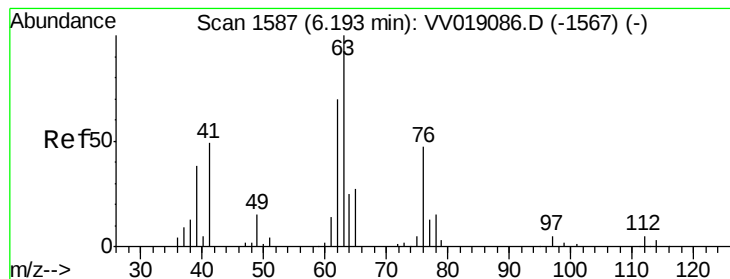


Abundance Ion 83.00 (82.70 to 83.70): VV019106.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV019106.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV019106.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 45.827 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

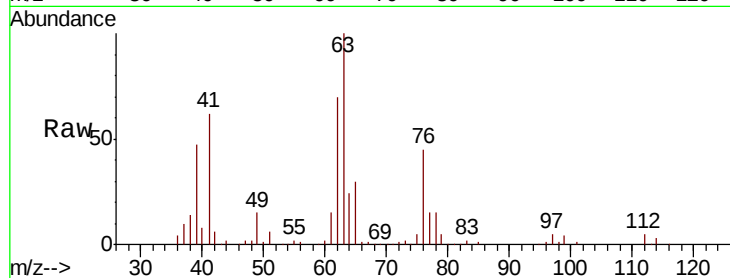
ClientSampleId :

Tot Ion: 63 Resp: 108069

Ion Ratio Lower Upper

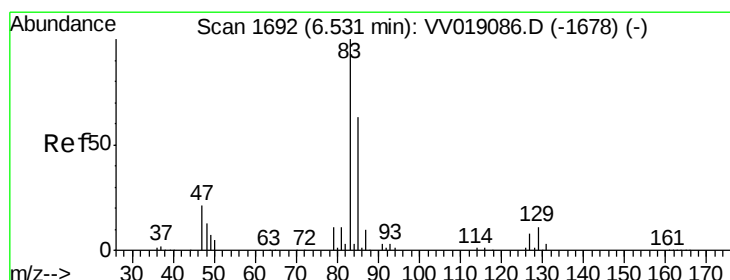
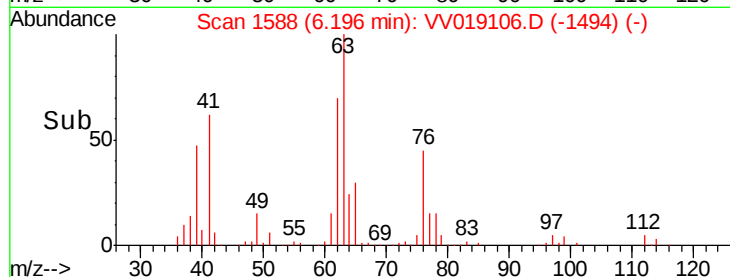
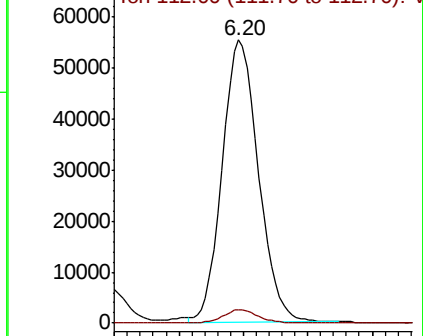
63 100

112 4.6 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 48.770 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

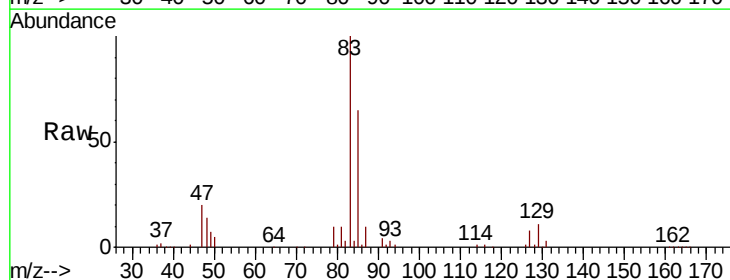
Tgt Ion: 83 Resp: 145522

Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.3

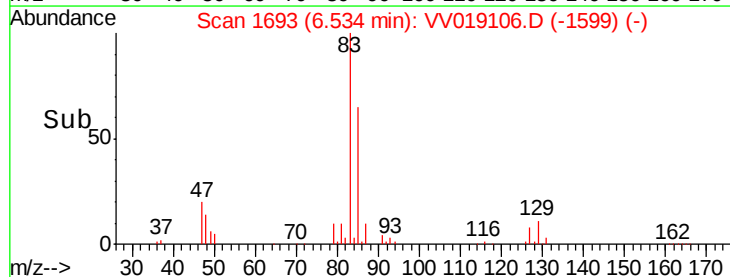
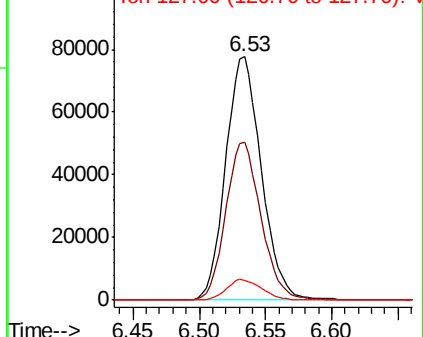
127 8.2 7.0 10.4

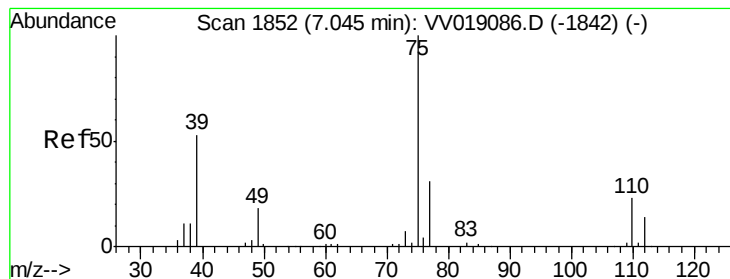


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V



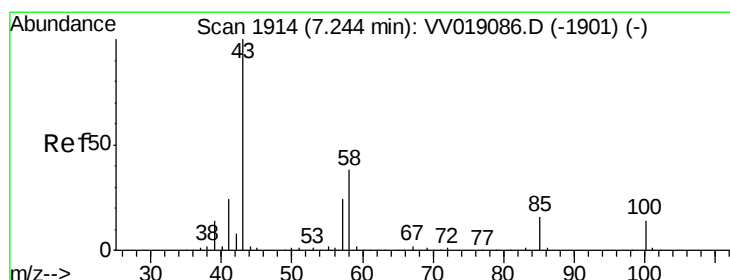
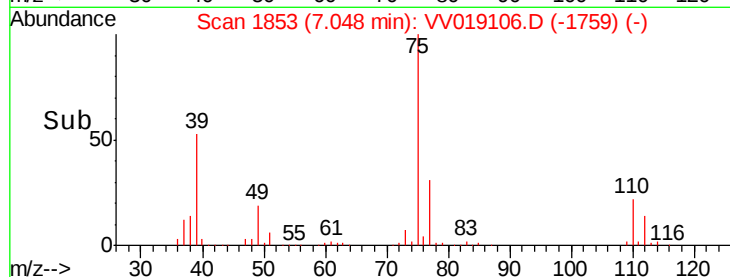
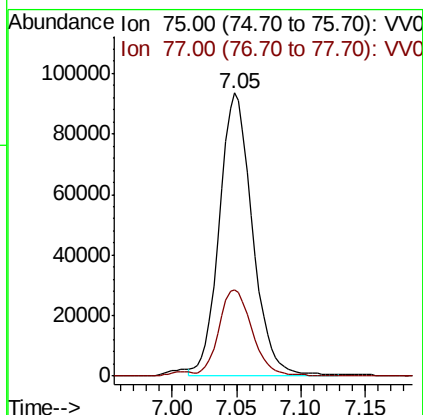
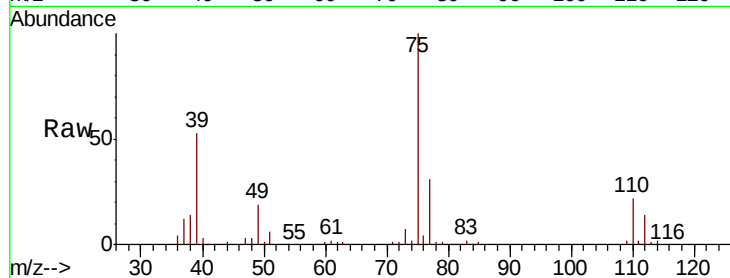


#39

cis-1,3-Dichloropropene
 Concen: 47.990 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019106.D
 Acq: 23 Oct 2020 20:52

Instrument :
 MSVOA_V
 ClientSampled :

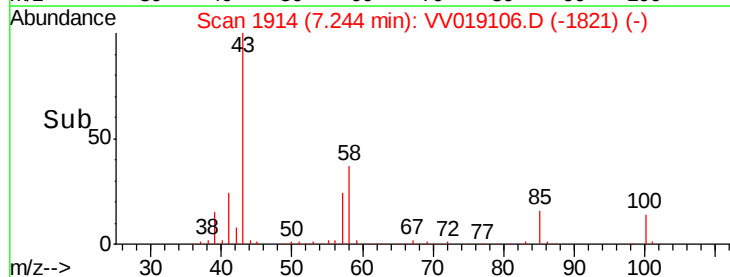
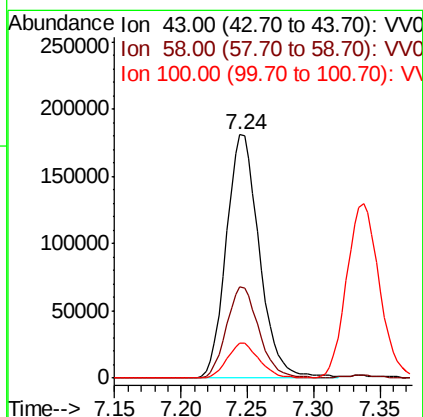
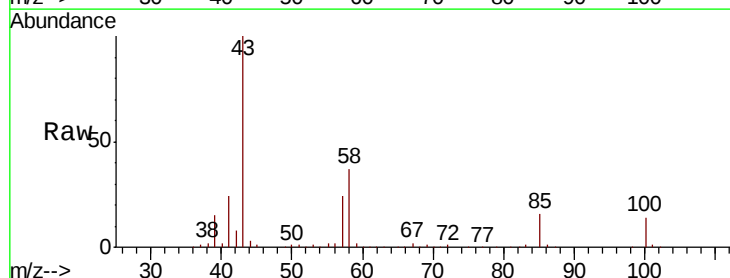
Tot Ion: 75 Resp: 167252
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.1 41.1

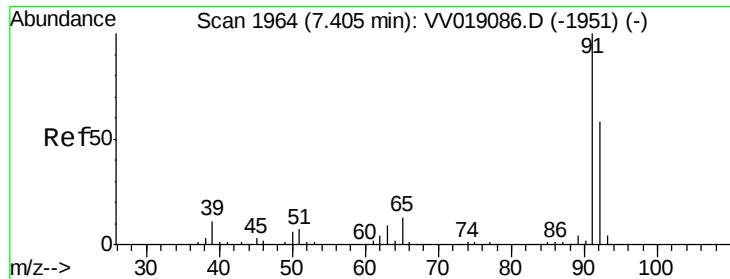


#40

4-Methyl-2-pentanone
 Concen: 98.662 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019106.D
 Acq: 23 Oct 2020 20:52

Tgt Ion: 43 Resp: 313893
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.6 44.4
 100 14.0 10.9 16.3





#42

Toluene

Concen: 48.610 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

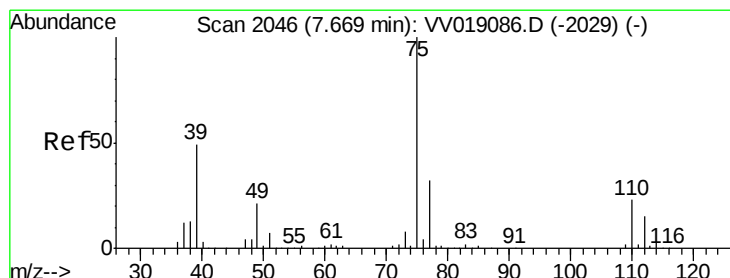
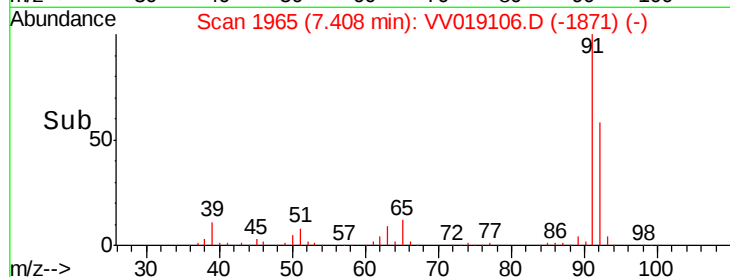
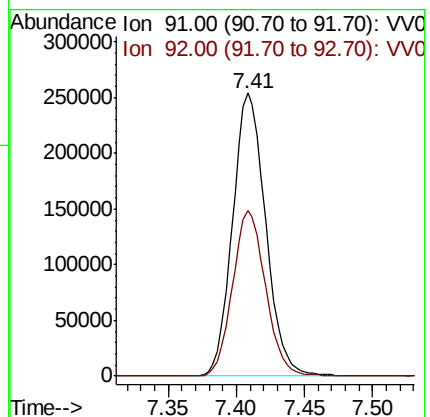
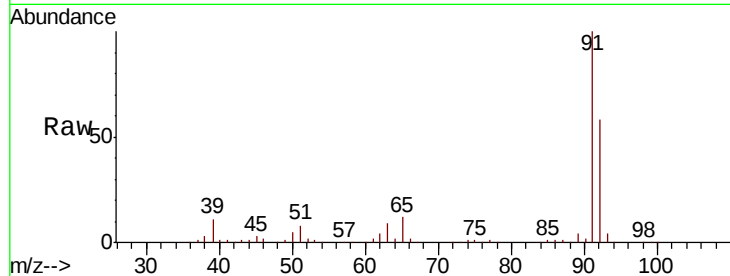
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 427406

Ion Ratio Lower Upper

91 100

92 58.4 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 49.481 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019106.D

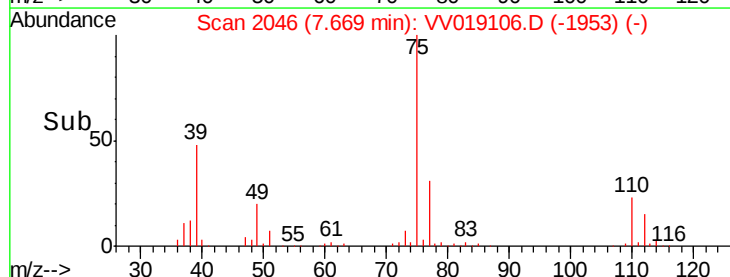
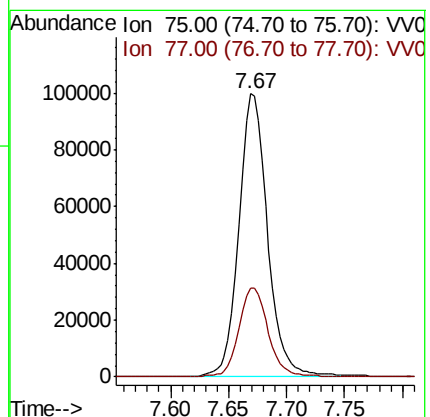
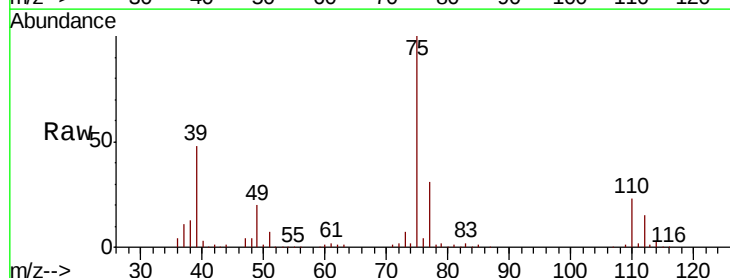
Acq: 23 Oct 2020 20:52

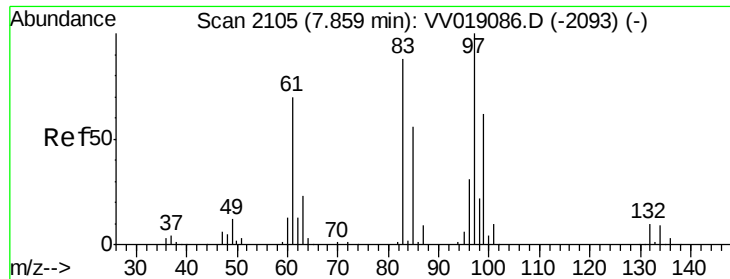
Tgt Ion: 75 Resp: 171085

Ion Ratio Lower Upper

75 100

77 31.4 21.5 39.9

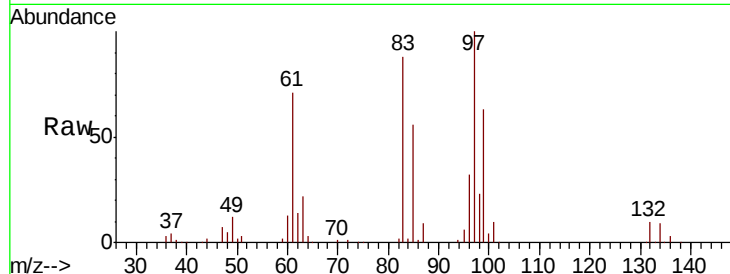




#45
1,1,2-Trichloroethane
Concen: 47.748 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

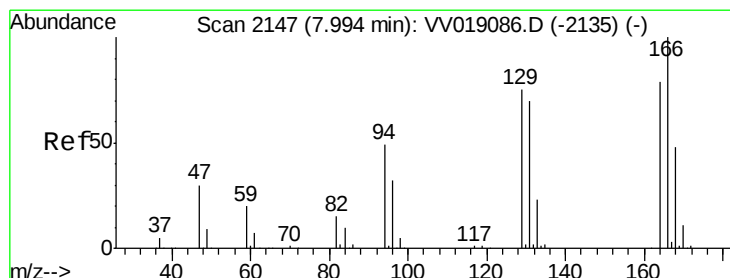
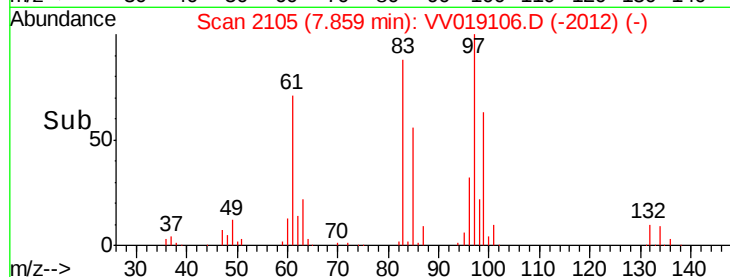
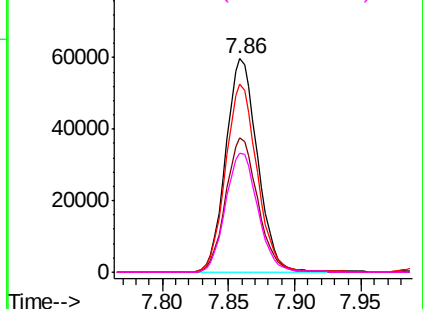
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	99450
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.5	80.9
83	88.2	62.2	115.4
85	56.0	39.9	74.1



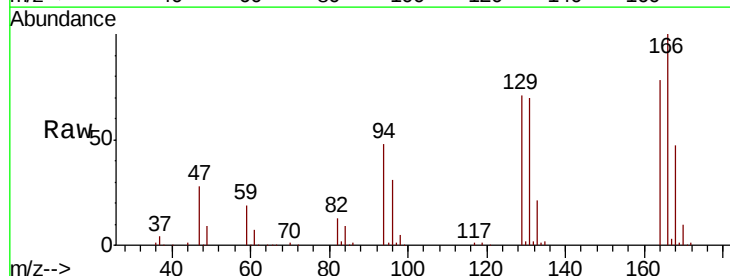
Abundance

Ion 97.00 (96.70 to 97.70): VV019106.D (-2093) (-)



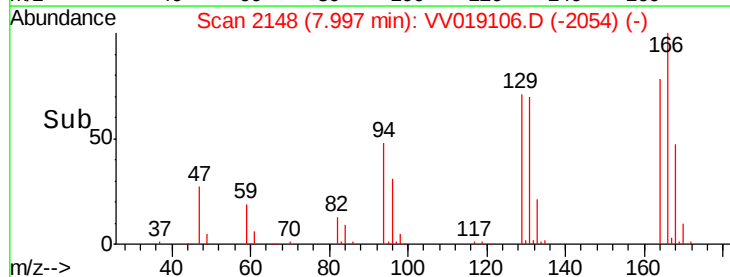
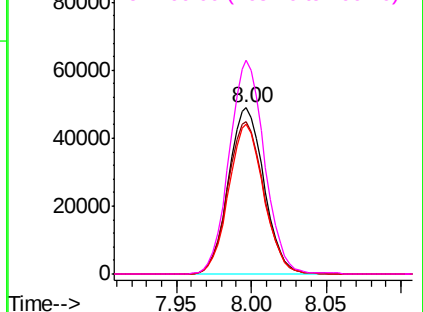
#46
Tetrachloroethene
Concen: 48.841 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

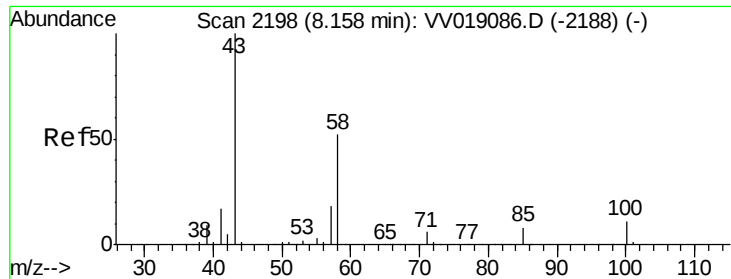
Tgt Ion:	164	Resp:	81130
Ion	Ratio	Lower	Upper
164	100		
129	91.4	65.5	121.6
131	90.4	62.4	115.8
166	128.5	90.0	167.2



Abundance

Ion 164.00 (163.70 to 164.70): VV019106.D (-2135) (-)

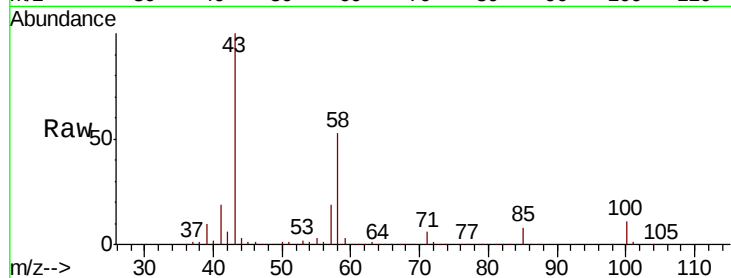




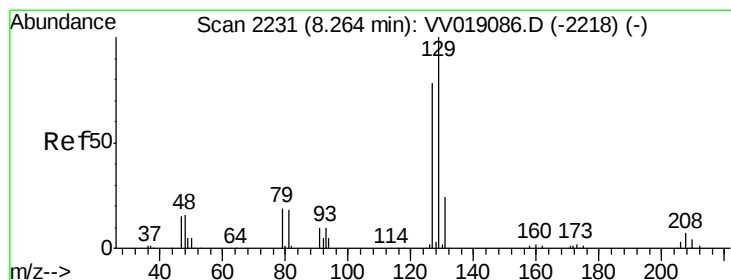
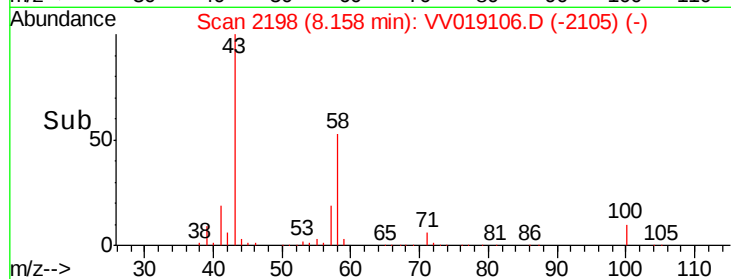
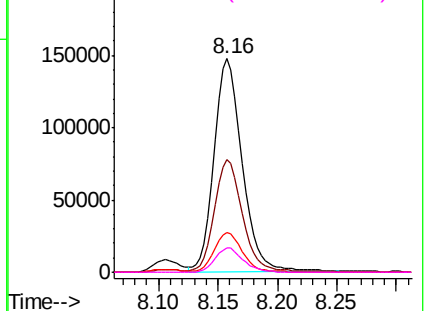
#48
2-Hexanone
Concen: 98.443 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	241679
Ion	Ratio	Lower	Upper
43	100		
58	52.2	41.1	61.7
57	18.2	14.7	22.1
100	11.4	8.6	12.8

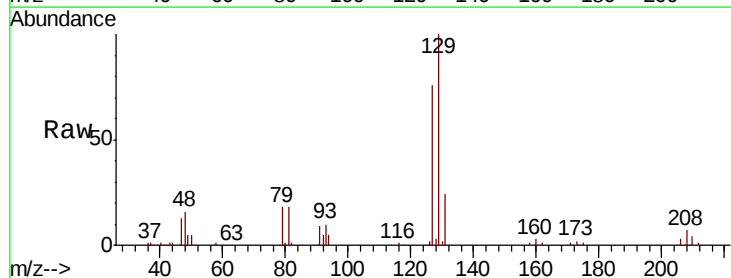


Abundance Ion 43.00 (42.70 to 43.70): VV019086.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019086.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019086.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019086.D (-2188) (-)

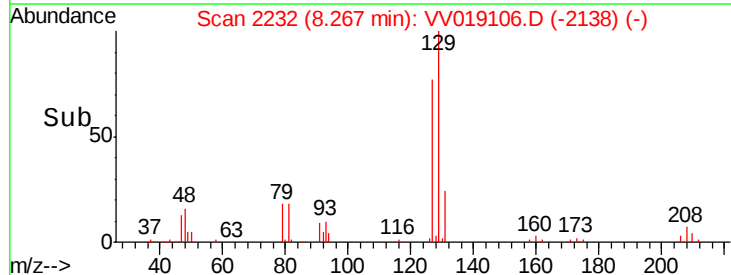
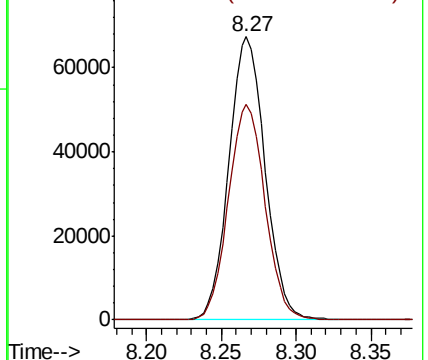


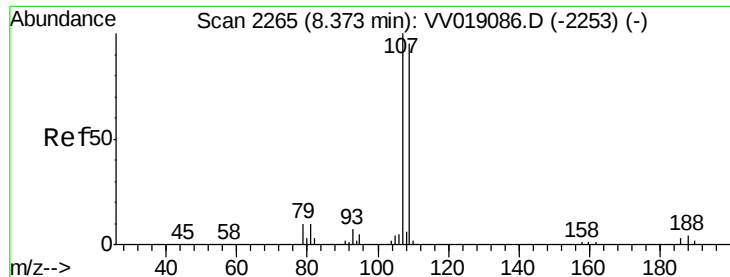
#49
Dibromochloromethane
Concen: 49.980 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

Tgt Ion:	129	Resp:	113783
Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.7	99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019086.D (-2218) (-)
Ion 127.00 (126.70 to 127.70): VV019086.D (-2218) (-)

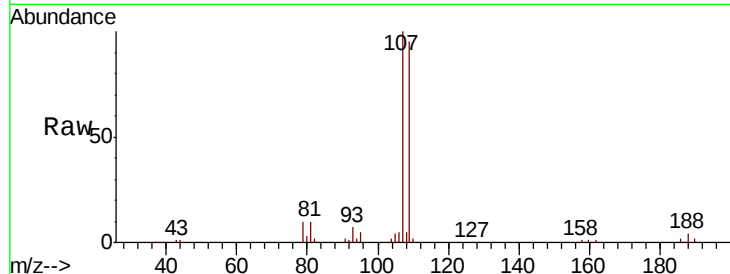




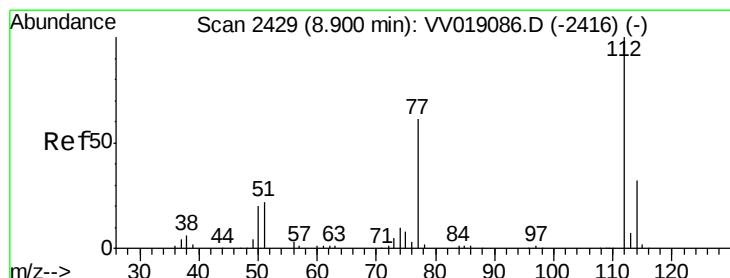
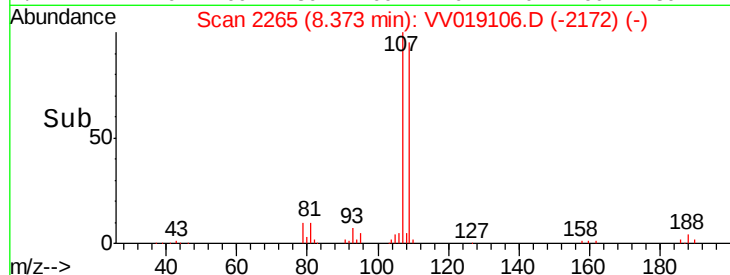
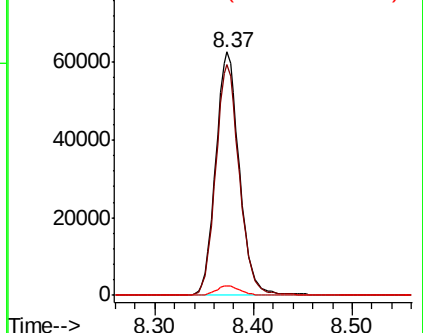
#50
1,2-Dibromoethane
Concen: 48.819 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.1	122.7
188	4.1	3.2	4.8

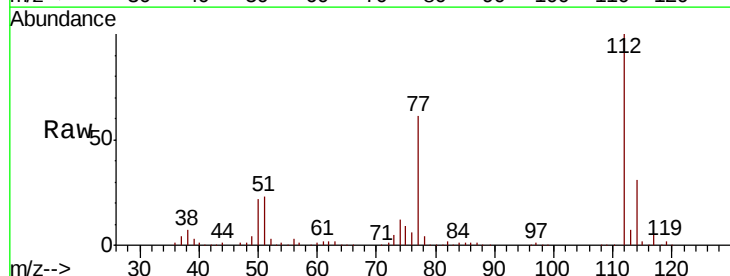


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

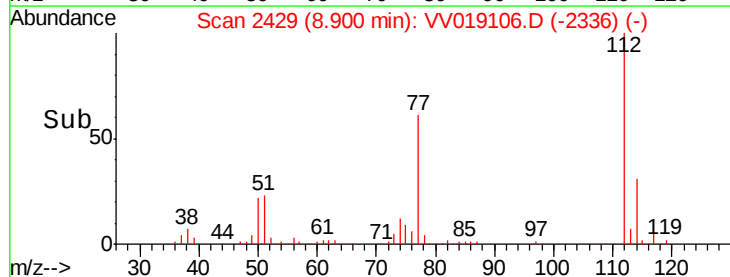
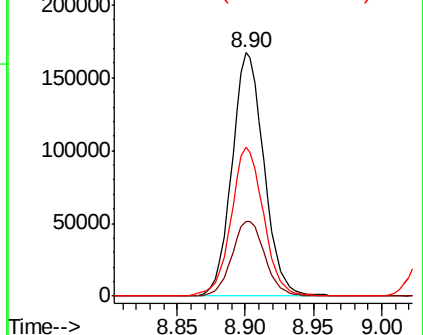


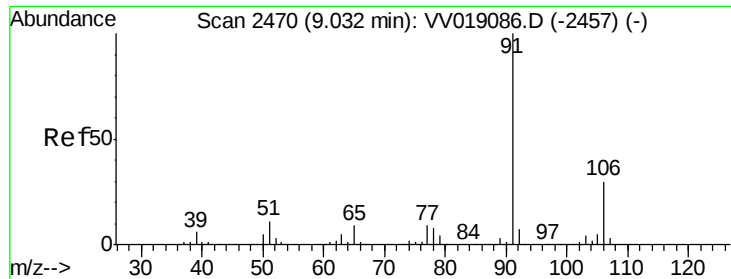
#51
Chlorobenzene
Concen: 48.318 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.2	41.2
77	61.1	49.1	73.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 48.712 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

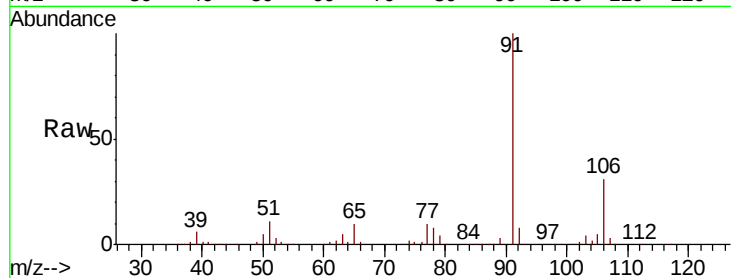
ClientSampleId :

Tot Ion: 91 Resp: 463143

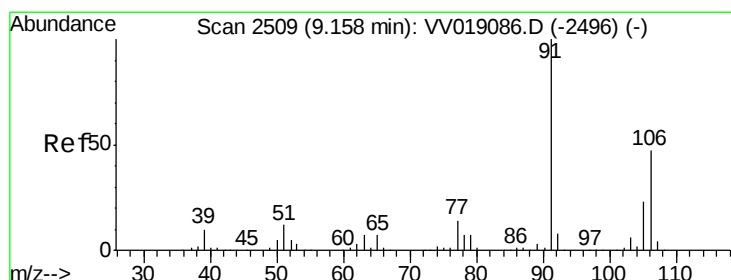
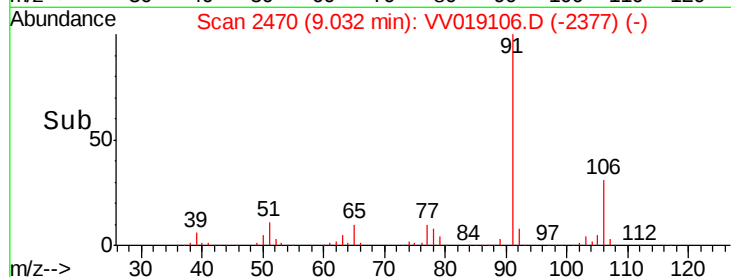
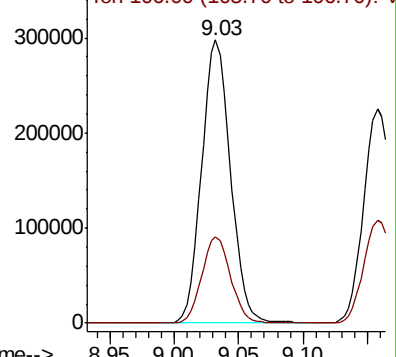
Ion Ratio Lower Upper

91 100

106 30.5 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019106.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.867 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019106.D

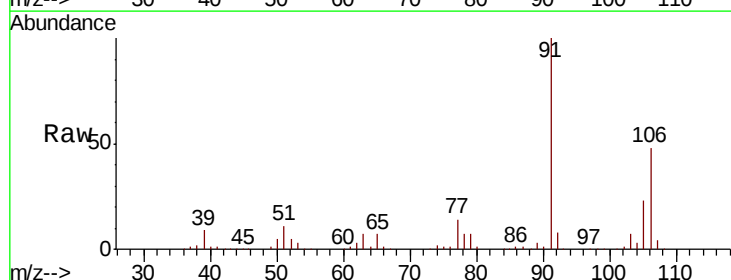
Acq: 23 Oct 2020 20:52

Tgt Ion: 106 Resp: 173567

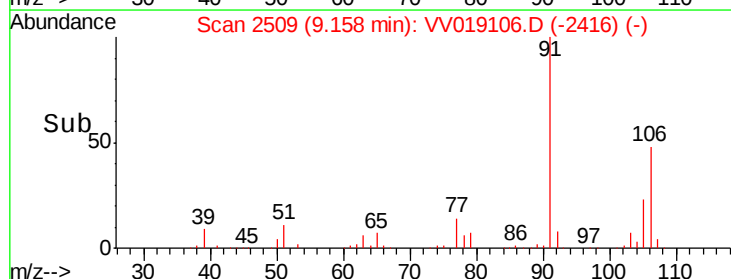
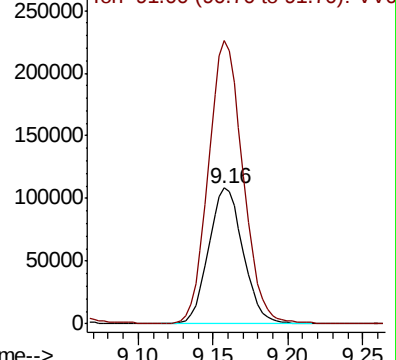
Ion Ratio Lower Upper

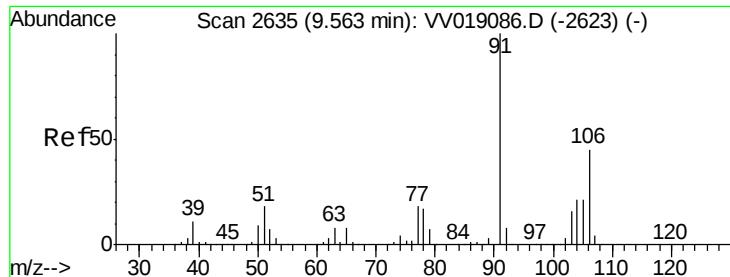
106 100

91 208.5 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019106.D (-2416) (-)

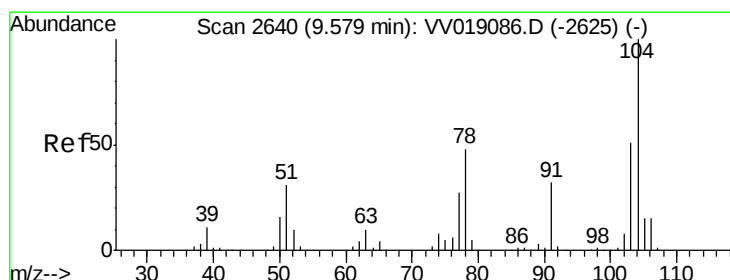
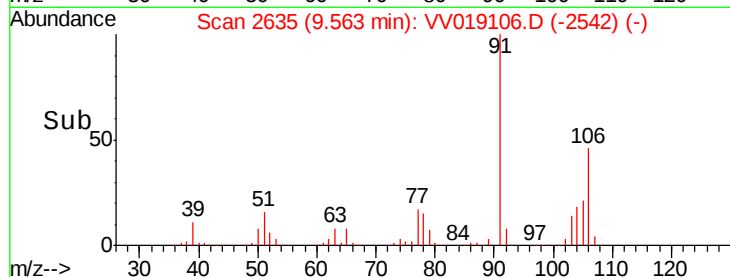
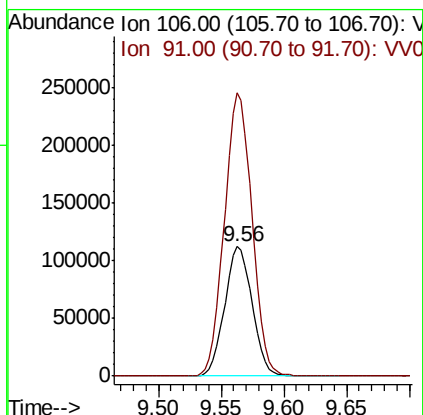
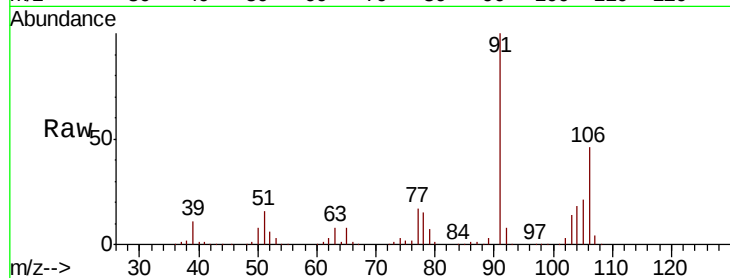




#54
o-xylene
Concen: 51.074 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

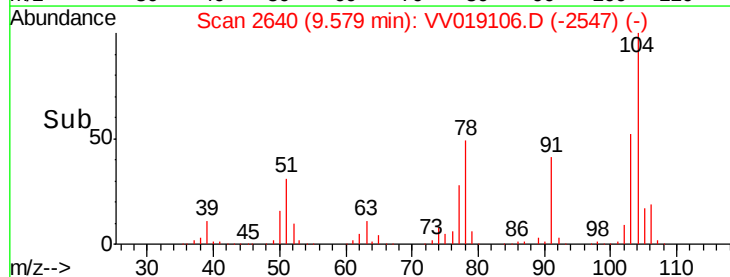
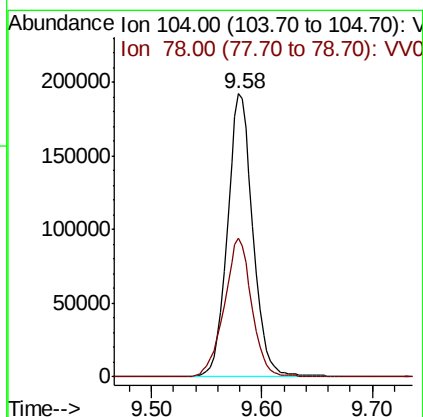
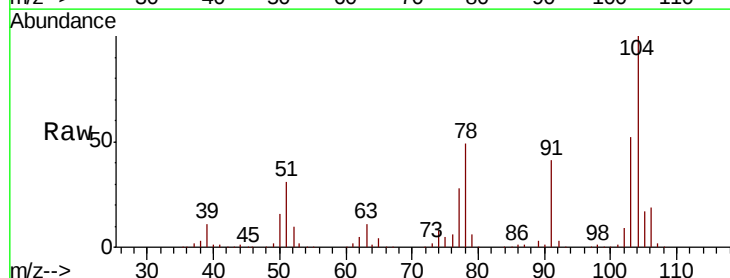
Instrument :
MSVOA_V
ClientSampled :

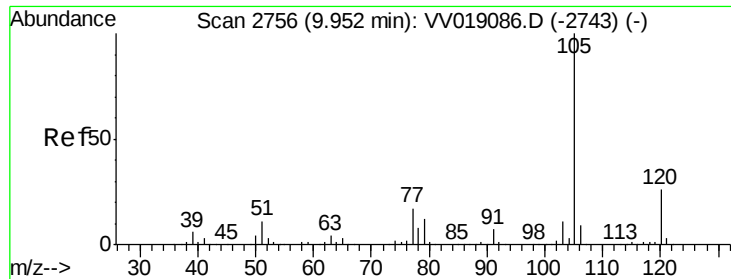
Tot Ion:106 Resp: 171161
Ion Ratio Lower Upper
106 100
91 218.2 154.3 286.5



#55
Styrene
Concen: 51.730 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019106.D
Acq: 23 Oct 2020 20:52

Tgt Ion:104 Resp: 307512
Ion Ratio Lower Upper
104 100
78 49.0 33.2 61.7





#56

Isopropylbenzene

Concen: 50.152 ug/L

RT: 9.95 min Scan# 2756

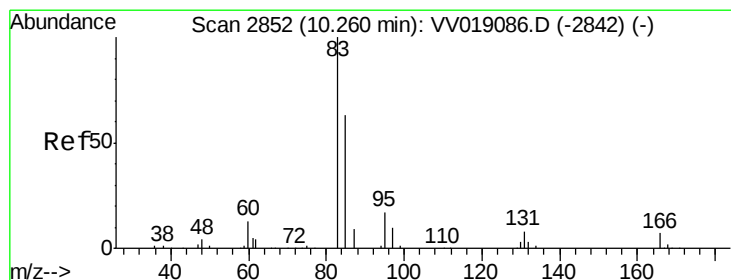
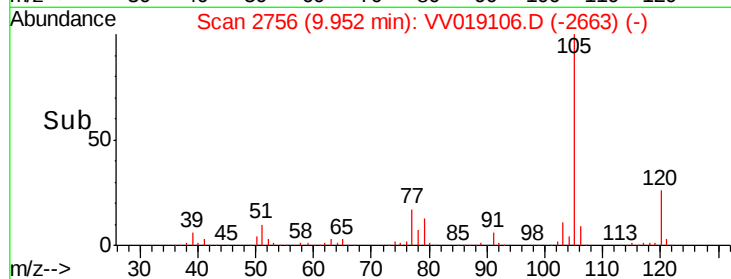
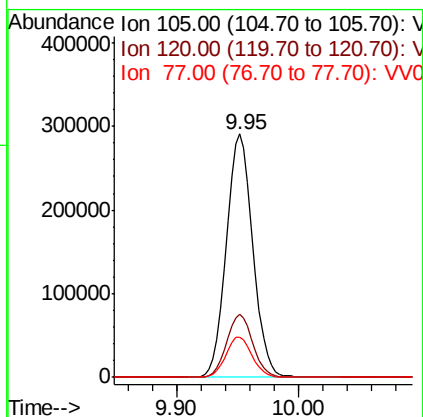
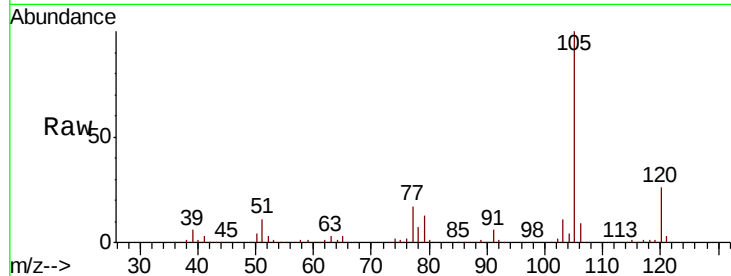
Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	441932
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0
77	16.5	13.4	20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 47.383 ug/L

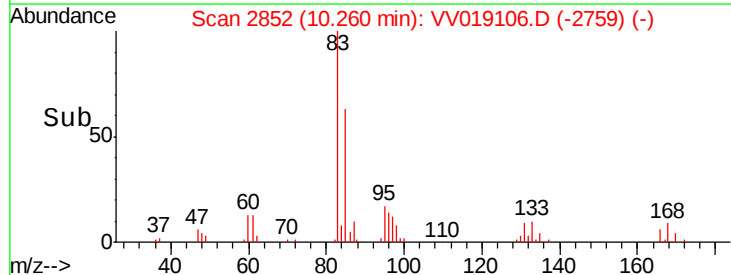
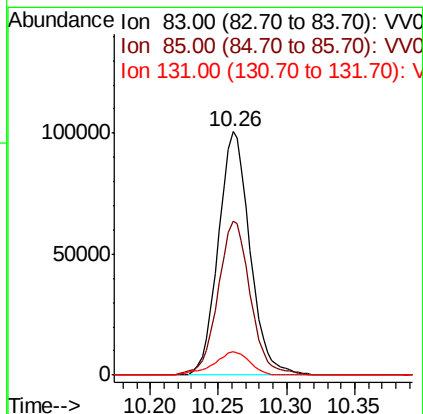
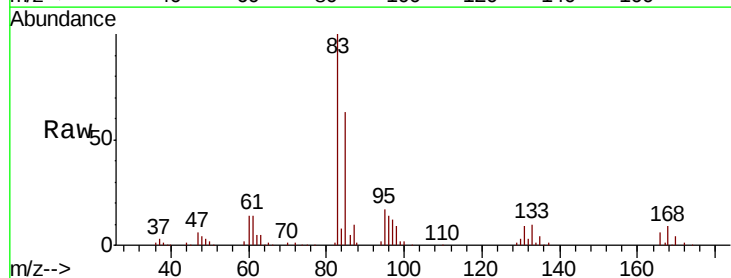
RT: 10.26 min Scan# 2852

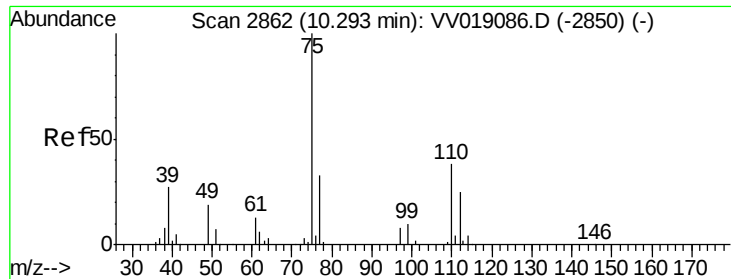
Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Tgt Ion:	83	Resp:	162389
Ion	Ratio	Lower	Upper
83	100		
85	63.2	44.2	82.2
131	9.5	7.4	11.2





#59

1,2,3-Trichloropropane

Concen: 48.230 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

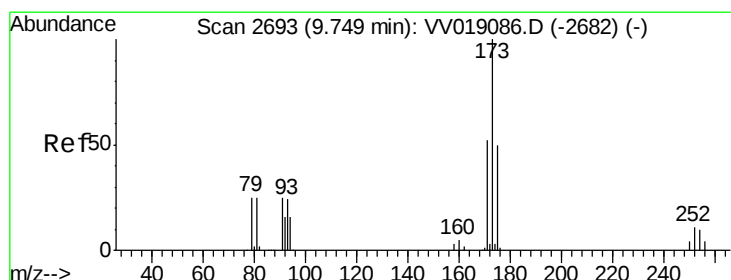
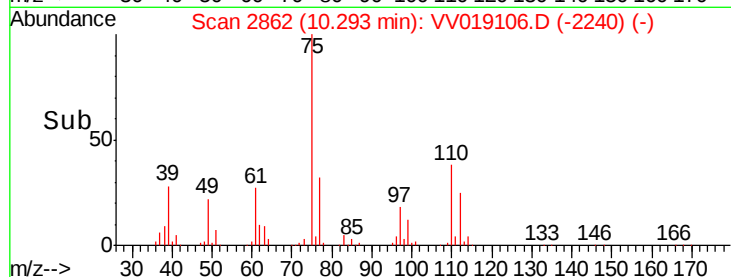
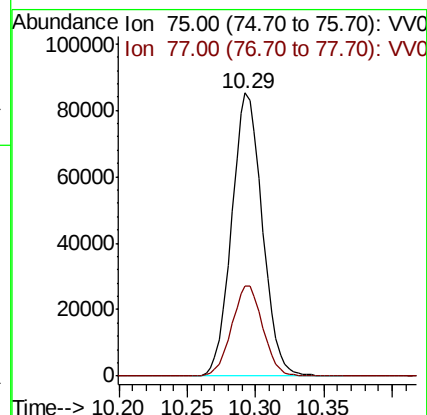
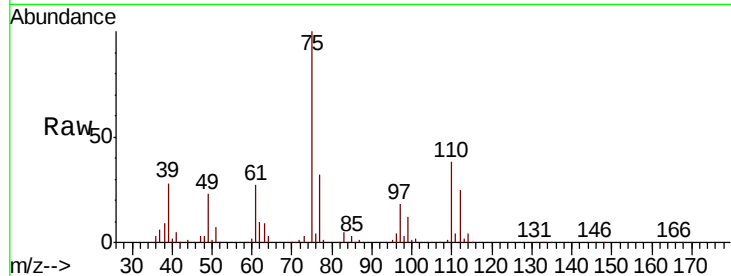
ClientSampleId :

Tot Ion: 75 Resp: 132991

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#61

Bromoform

Concen: 52.142 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

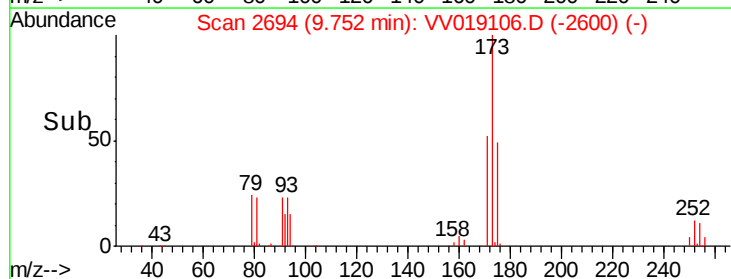
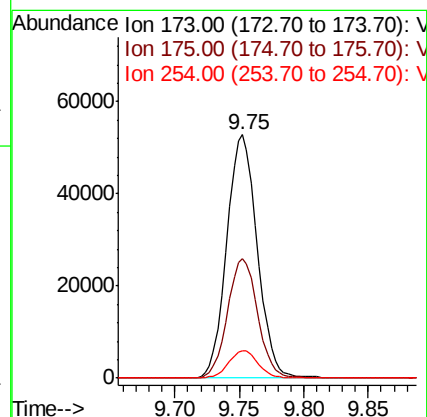
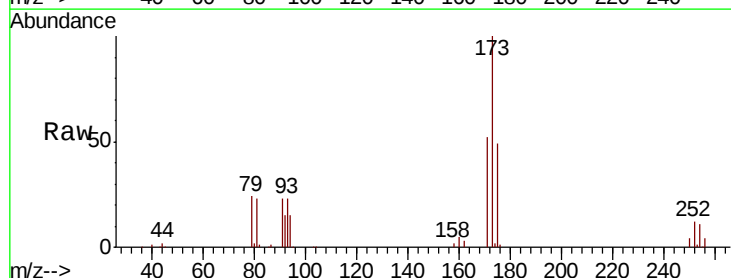
Tgt Ion: 173 Resp: 86648

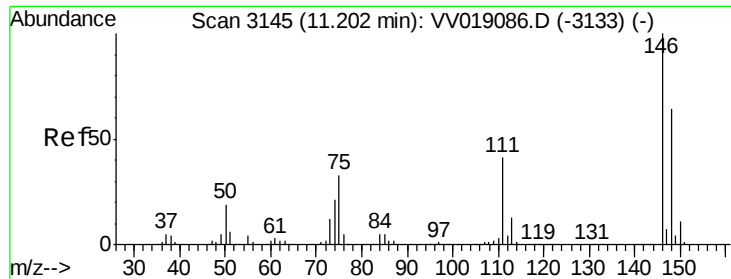
Ion Ratio Lower Upper

173 100

175 48.4 38.3 57.5

254 10.8 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 49.548 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

ClientSampleId :

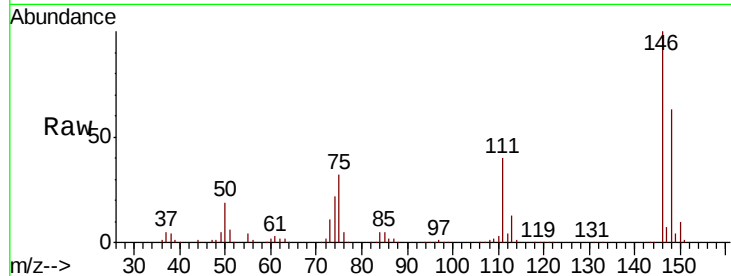
Tot Ion:146 Resp: 219405

Ion Ratio Lower Upper

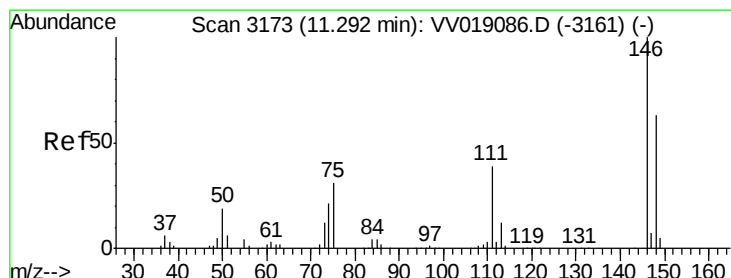
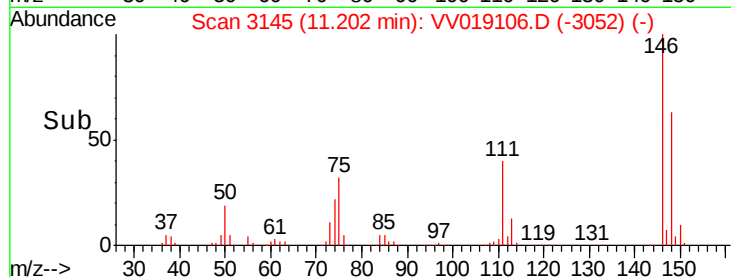
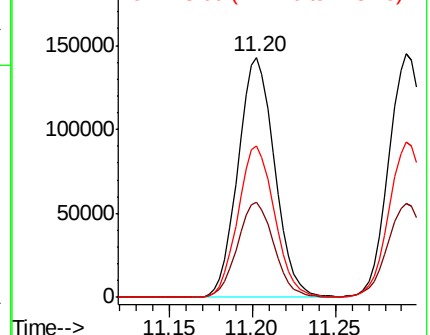
146 100

111 39.5 28.8 53.4

148 63.1 44.5 82.7



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



#63

1,4-Dichlorobenzene

Concen: 48.893 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

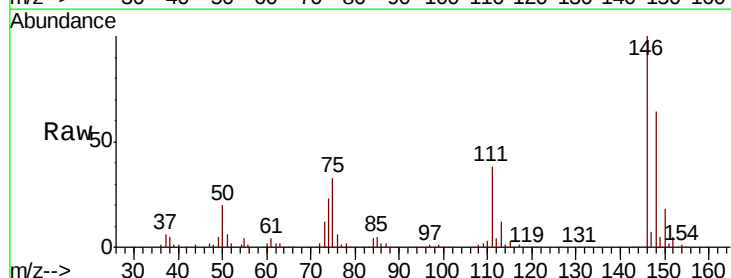
Tgt Ion:146 Resp: 226236

Ion Ratio Lower Upper

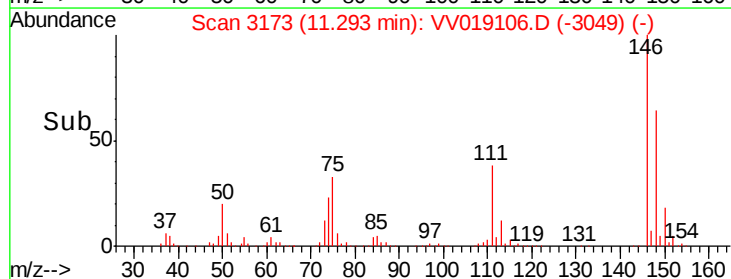
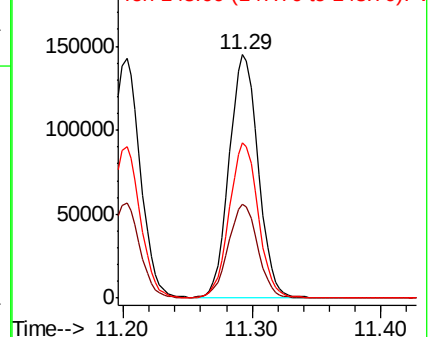
146 100

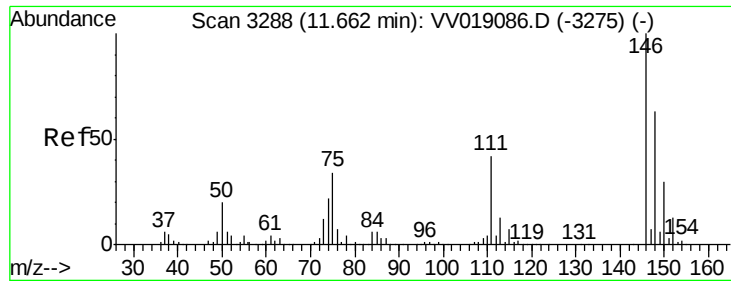
111 38.5 27.8 51.6

148 63.7 45.1 83.9



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





#65

1,2-Dichlorobenzene

Concen: 49.459 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

ClientSampleId :

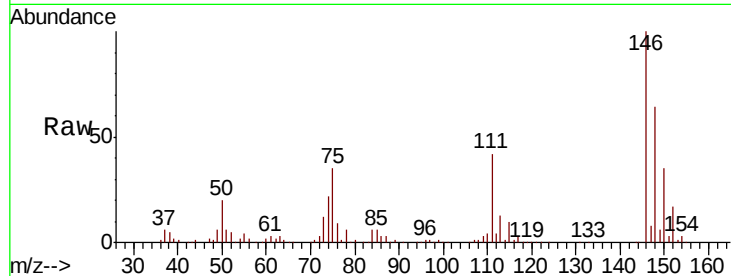
Tot Ion:146 Resp: 220821

Ion Ratio Lower Upper

146 100

111 41.5 33.3 49.9

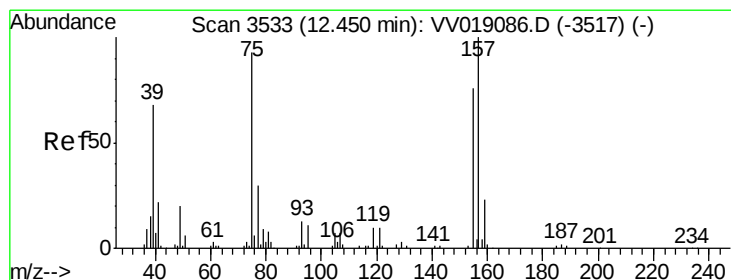
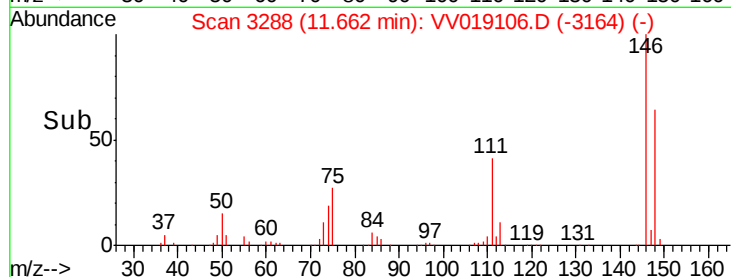
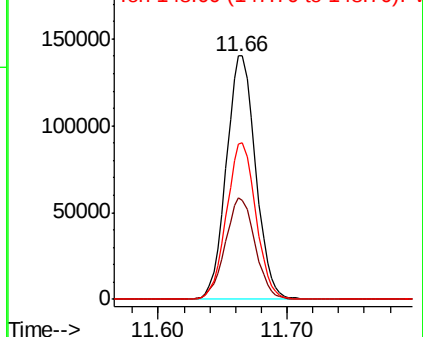
148 63.9 51.1 76.7



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: 48.707 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

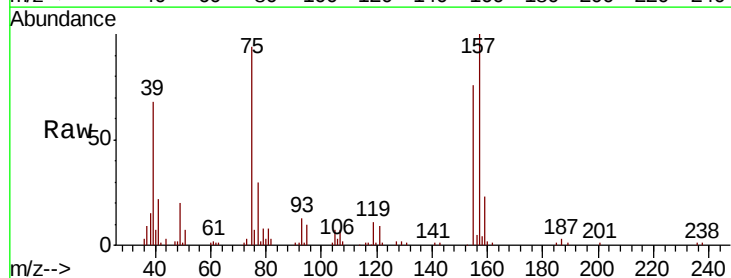
Tgt Ion: 75 Resp: 38420

Ion Ratio Lower Upper

75 100

155 81.6 62.2 93.4

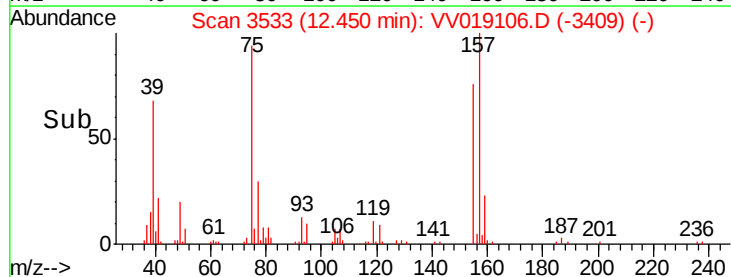
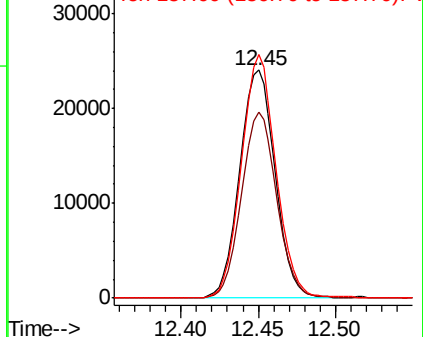
157 106.9 79.9 119.9

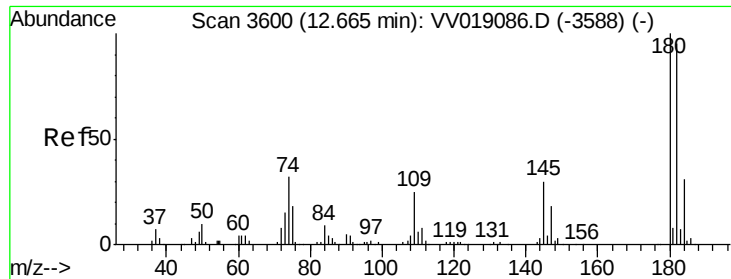


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

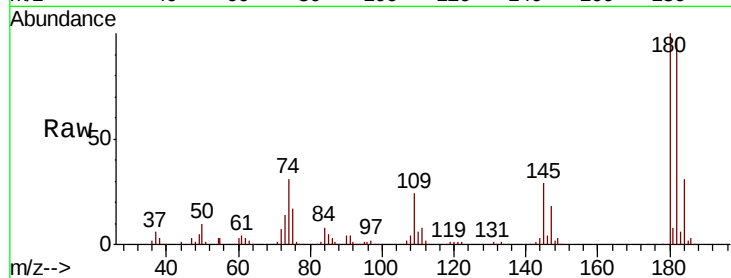




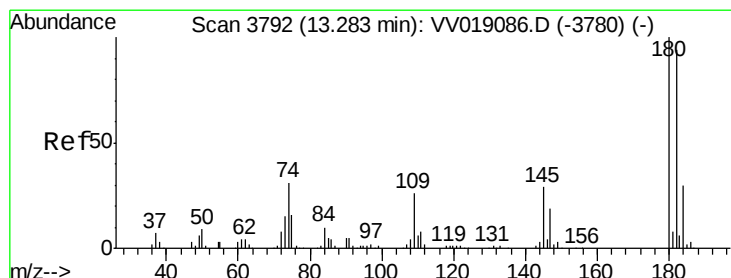
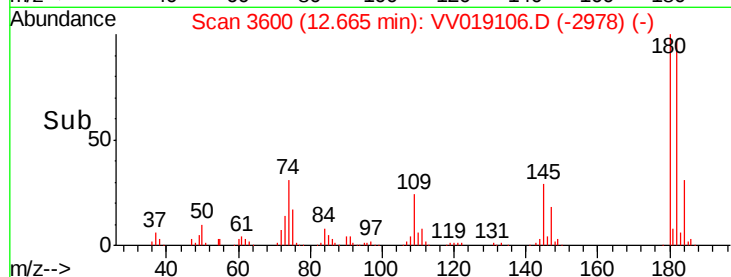
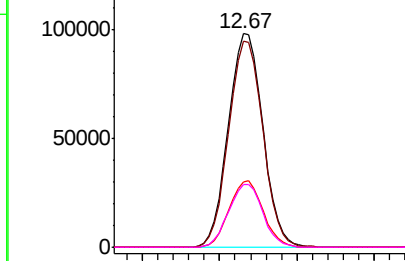
#67
 1,3,5-Trichlorobenzene
 Concen: 50.251 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019106.D
 Acq: 23 Oct 2020 20:52

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 151945
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.4 116.0
 184 30.5 24.7 37.1
 145 29.1 23.5 35.3

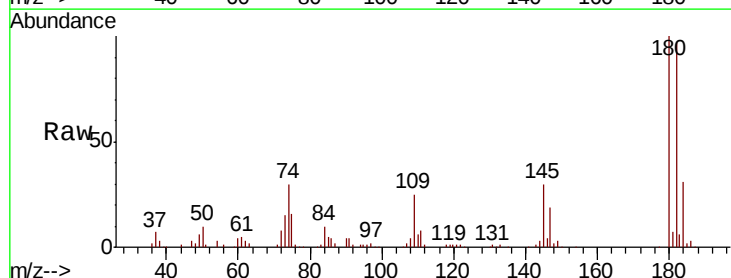


Abundance Ion 180.00 (179.70 to 180.70): V
 150000 Ion 182.00 (181.70 to 182.70): V
 100000 Ion 184.00 (183.70 to 184.70): V
 50000 Ion 145.00 (144.70 to 145.70): V

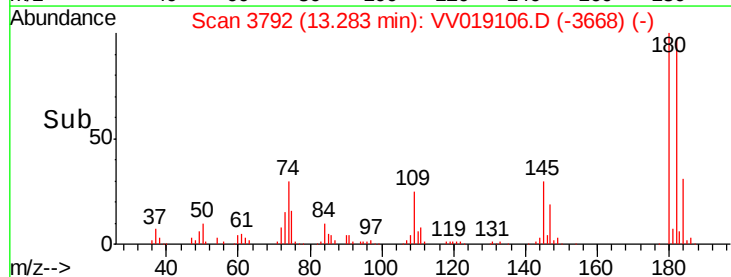
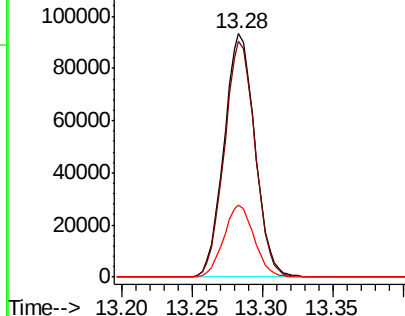


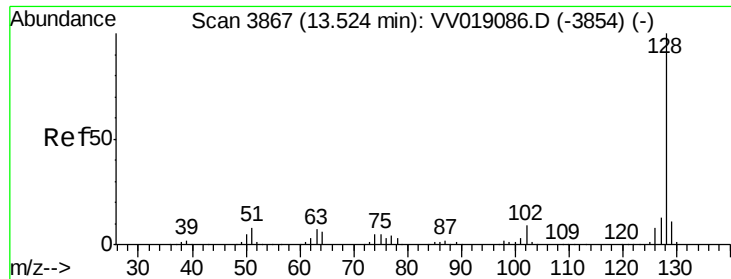
#68
 1,2,4-trichlorobenzene
 Concen: 50.162 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019106.D
 Acq: 23 Oct 2020 20:52

Tgt Ion:180 Resp: 143027
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.4 116.2
 145 29.1 23.7 35.5



Abundance Ion 180.00 (179.70 to 180.70): V
 120000 Ion 182.00 (181.70 to 182.70): V
 100000 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.854 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

Instrument :

MSVOA_V

ClientSampleId :

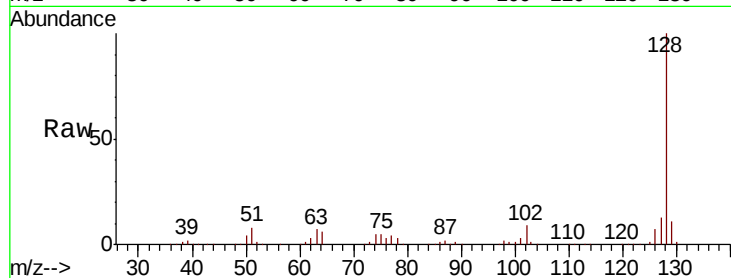
Tot Ion:128 Resp: 455544

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

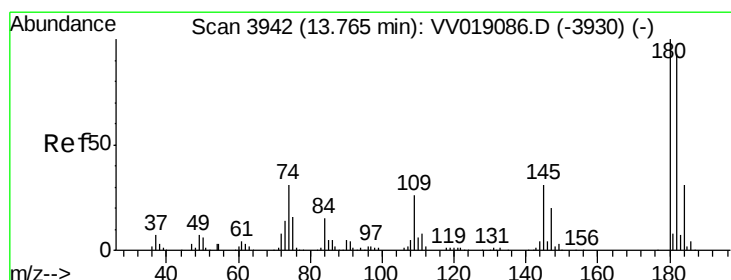
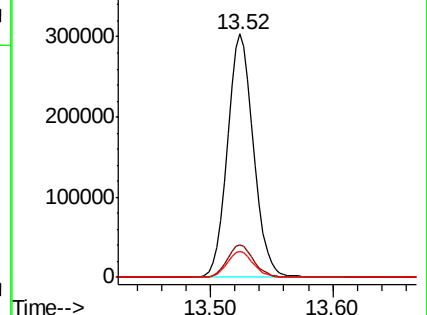
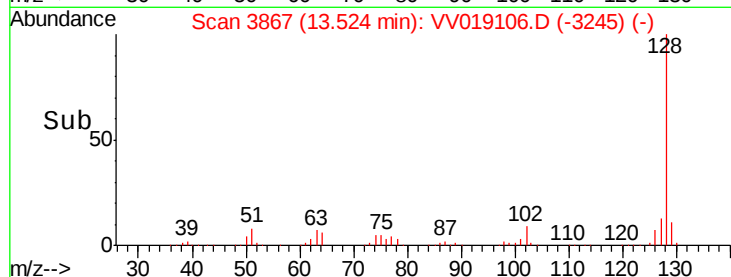
129 10.8 8.7 13.1



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: 51.694 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019106.D

Acq: 23 Oct 2020 20:52

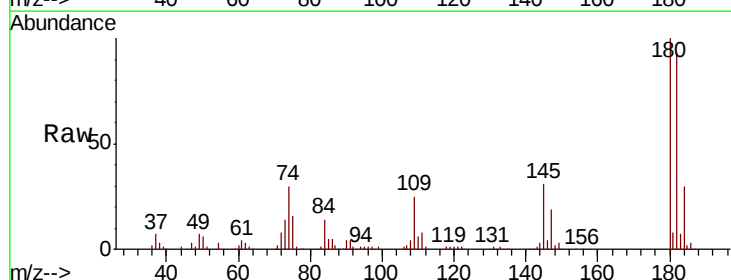
Tgt Ion:180 Resp: 149342

Ion Ratio Lower Upper

180 100

182 93.6 76.9 115.3

145 30.6 25.6 38.4



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

