

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010821\
 Data File : VV019957.D
 Acq On : 08 Jan 2021 19:09
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Quant Time: Jan 08 22:53:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 22:51:06 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	513677	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	498883	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	257553	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	154263	38.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.62%
7) Chloroethane-d5	1.57	69	142339	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.10%
11) 1,1-Dichloroethene-d2	2.11	63	335431	44.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.28%
21) 2-Butanone-d5	3.89	46	290089	98.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.46%
24) Chloroform-d	4.35	84	344964	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
26) 1,2-Dichloroethane-d4	5.04	65	238026	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
32) Benzene-d6	5.05	84	632160	44.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.07	67	208910	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.44%
41) Toluene-d8	7.32	98	550470	43.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.10%
43) trans-1,3-Dichloropropene-	7.62	79	99537	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.78%
47) 2-Hexanone-d5	8.09	63	186205	95.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.38%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	295137	48.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.08%
64) 1,2-Dichlorobenzene-d4	11.63	152	218086	44.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	186282	46.717	ug/L 100
3) Chloromethane	1.24	50	224264	45.923	ug/L 99
5) Vinyl chloride	1.31	62	223988	46.944	ug/L 98
6) Bromomethane	1.52	94	132827	45.953	ug/L 96
8) Chloroethane	1.59	64	149798	50.501	ug/L 99
9) Trichlorofluoromethane	1.75	101	296565	51.307	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	159920	49.125	ug/L 98
12) 1,1-Dichloroethene	2.12	96	156647	47.955	ug/L 93
13) Acetone	2.18	43	211569	92.759	ug/L 100
14) Carbon disulfide	2.30	76	434848	40.863	ug/L 99
15) Methyl Acetate	2.43	43	228649	49.338	ug/L 100
16) Methylene chloride	2.51	84	194123	47.317	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	169823	46.466	ug/L 94
18) Methyl tert-butyl Ether	2.77	73	593423	48.090	ug/L 99
19) 1,1-Dichloroethane	3.19	63	361043	48.954	ug/L 100
20) cis-1,2-Dichloroethene	3.92	96	189517	47.396	ug/L 99
22) 2-Butanone	3.97	43	314478	98.206	ug/L 96

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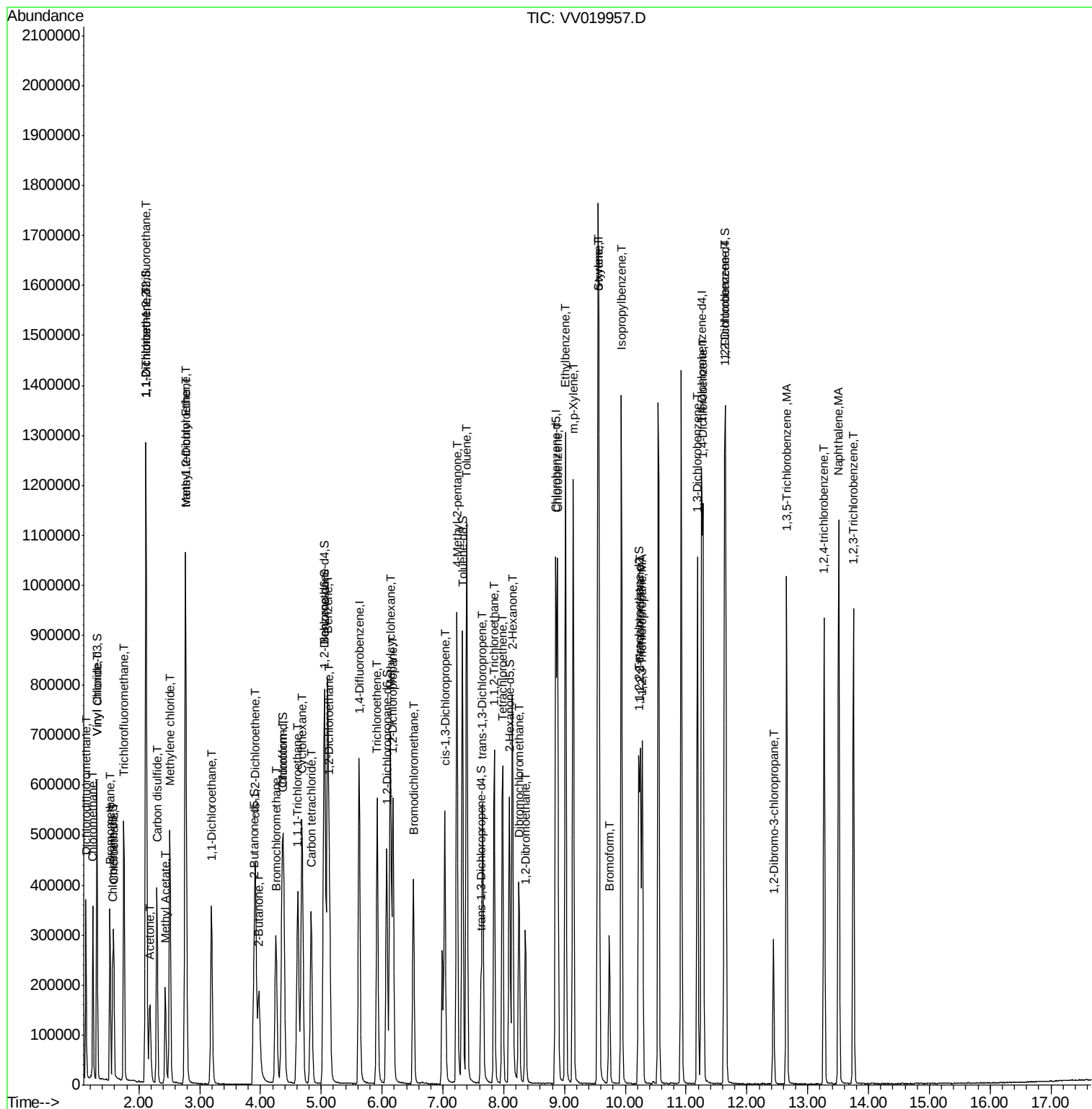
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	94352	47.755	ug/L	98
25) Chloroform	4.38	83	360565	49.559	ug/L	99
27) 1,2-Dichloroethane	5.14	62	305682	50.961	ug/L	100
29) Cyclohexane	4.68	56	280669	43.942	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	304280	47.639	ug/L	99
31) Carbon tetrachloride	4.83	117	245372	46.683	ug/L	100
33) Benzene	5.11	78	750273	47.815	ug/L	100
34) Trichloroethene	5.92	95	194825	46.802	ug/L	98
35) Methylcyclohexane	6.14	83	271000	43.410	ug/L	98
37) 1,2-Dichloropropane	6.18	63	208016	49.366	ug/L	100
38) Bromodichloromethane	6.51	83	263945	47.912	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	294552	45.381	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	629858	99.826	ug/L	98
42) Toluene	7.39	91	771174	47.979	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	296601	46.852	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	188929	48.879	ug/L	98
46) Tetrachloroethene	7.98	164	124288	44.708	ug/L	98
48) 2-Hexanone	8.14	43	480089	98.416	ug/L	99
49) Dibromochloromethane	8.25	129	187450	46.901	ug/L	99
50) 1,2-Dibromoethane	8.36	107	193150	47.613	ug/L	99
51) Chlorobenzene	8.88	112	485210	47.340	ug/L	97
52) Ethylbenzene	9.02	91	863155	47.723	ug/L	99
53) m,p-Xylene	9.14	106	313576	47.599	ug/L	99
54) o-xylene	9.55	106	308259	47.861	ug/L	99
55) Styrene	9.57	104	554228	49.512	ug/L	100
56) Isopropylbenzene	9.94	105	825793	47.875	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	302760	49.316	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	262956	49.087	ug/L	100
61) Bromoform	9.74	173	117500	44.359	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	371793	47.419	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	375420	46.555	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	375511	46.918	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.44	75	69228	45.441	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	259337	45.845	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	236994	47.054	ug/L	99
69) Naphthalene	13.51	128	792758	50.041	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	241900	49.416	ug/L	99

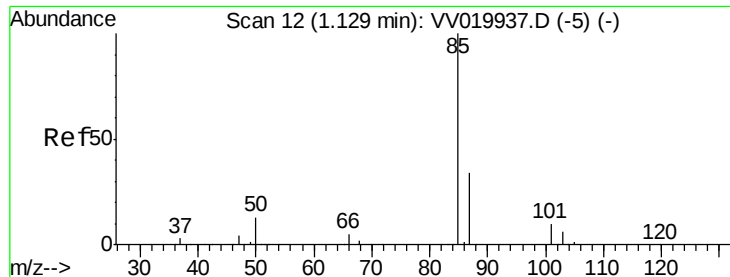
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#2

Dichlorodifluoromethane

Concen: 46.717 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

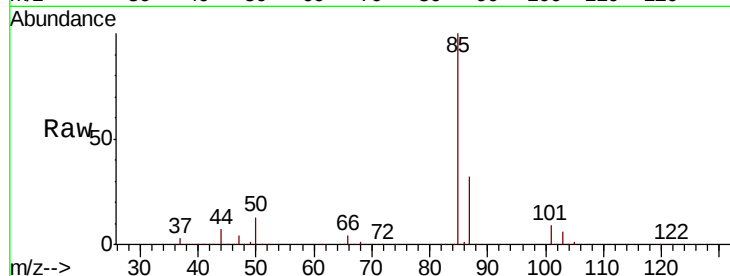
VSTD05081

Tot Ion: 85 Resp: 186282

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019937.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019937.D (-5) (-)

1.13

200000

150000

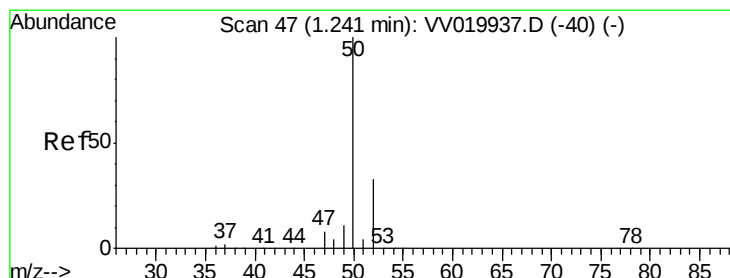
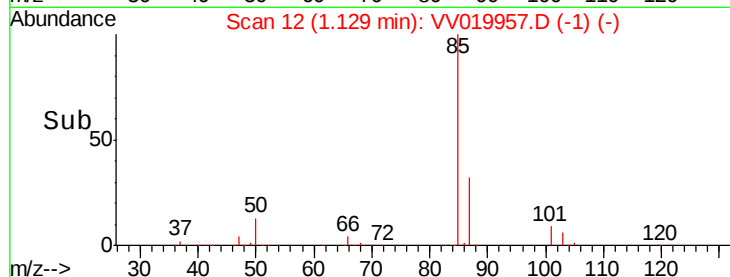
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 45.923 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019957.D

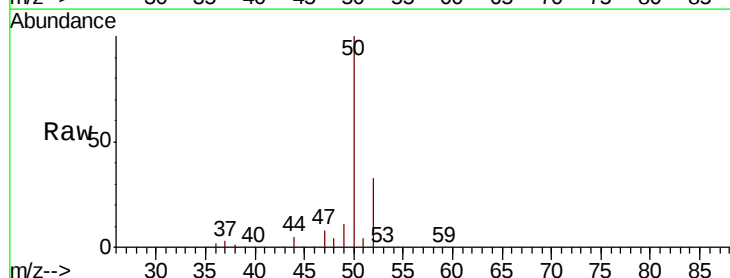
Acq: 08 Jan 2021 19:09

Tgt Ion: 50 Resp: 224264

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019937.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV019937.D (-40) (-)

250000

200000

150000

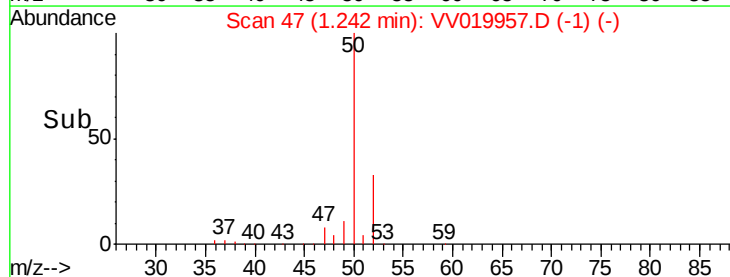
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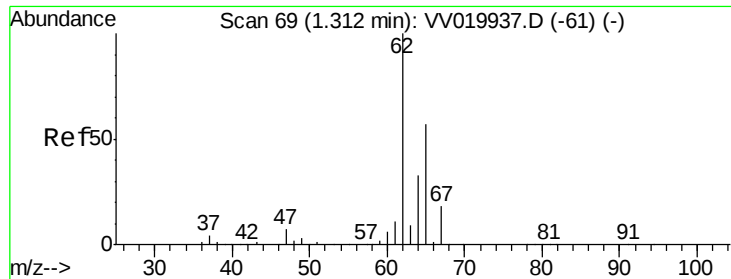
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 46.944 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

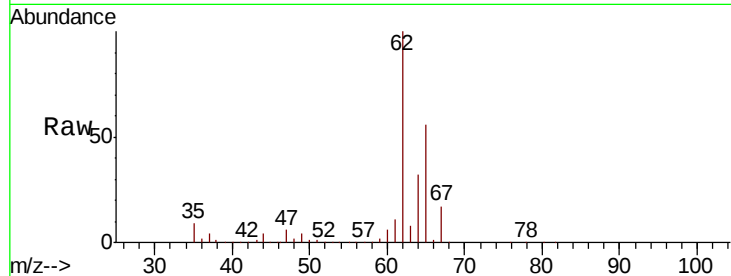
VSTD05081

Tot Ion: 62 Resp: 223988

Ion Ratio Lower Upper

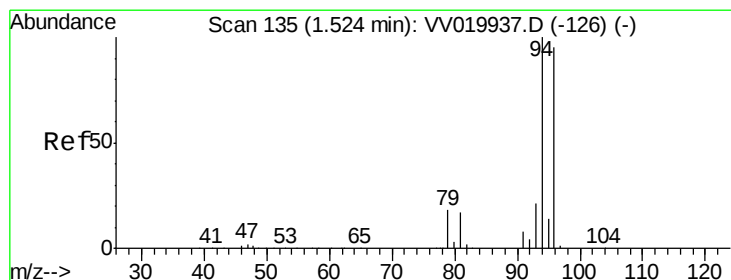
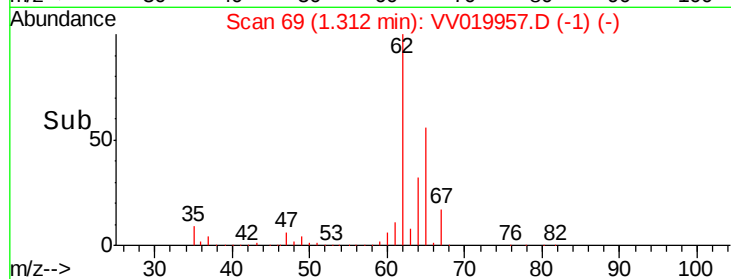
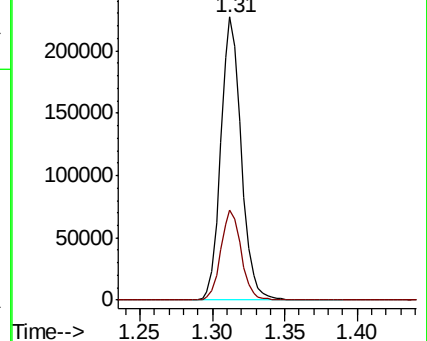
62 100

64 31.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.953 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019957.D

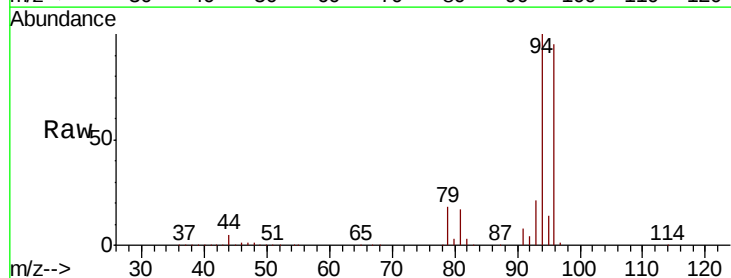
Acq: 08 Jan 2021 19:09

Tgt Ion: 94 Resp: 132827

Ion Ratio Lower Upper

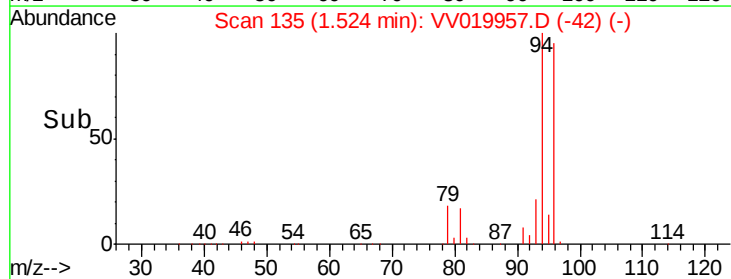
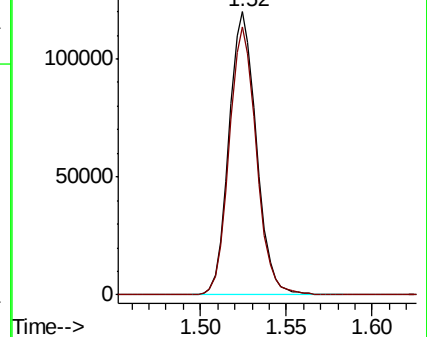
94 100

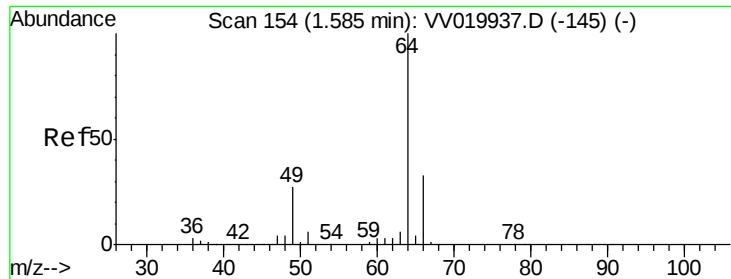
96 94.7 63.6 118.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

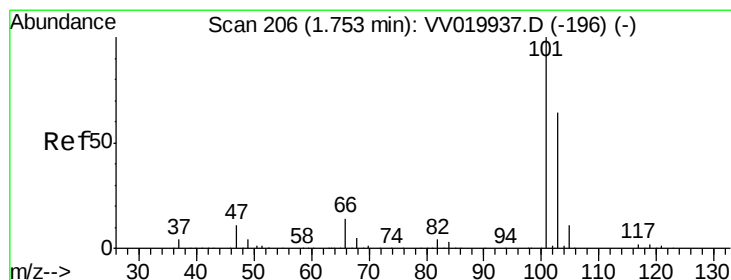
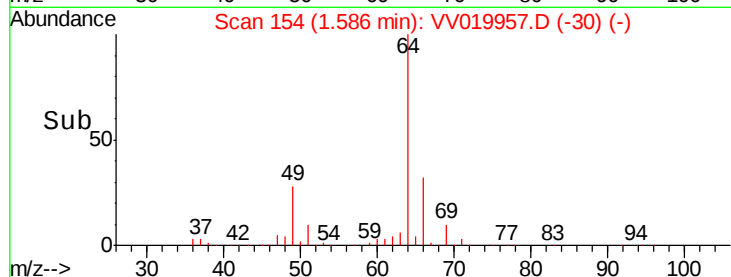
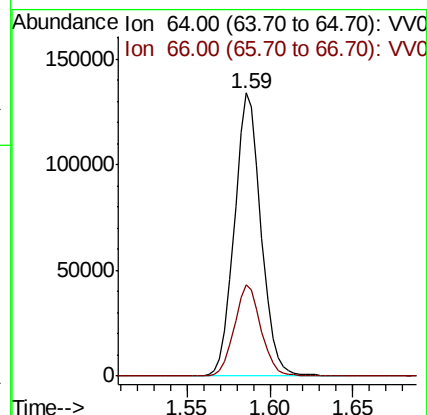
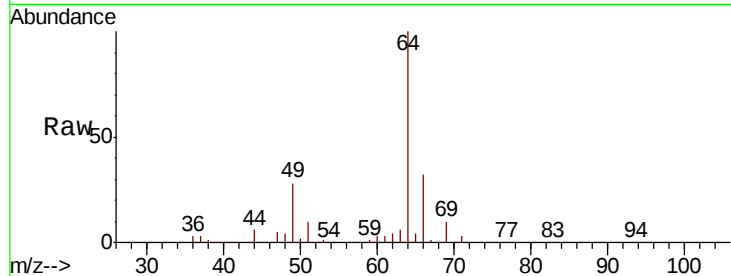




#8
Chloroethane
Concen: 50.501 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

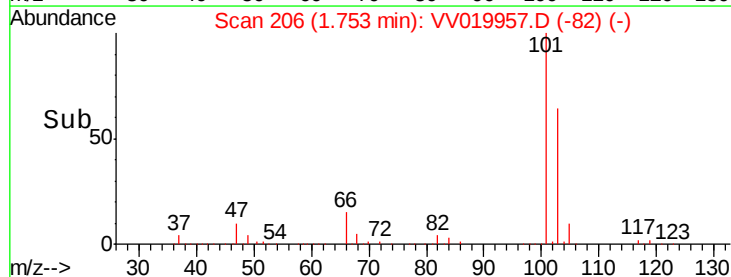
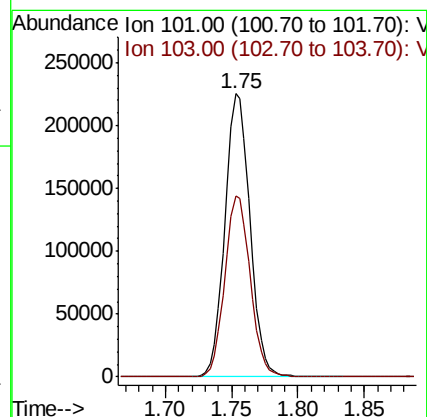
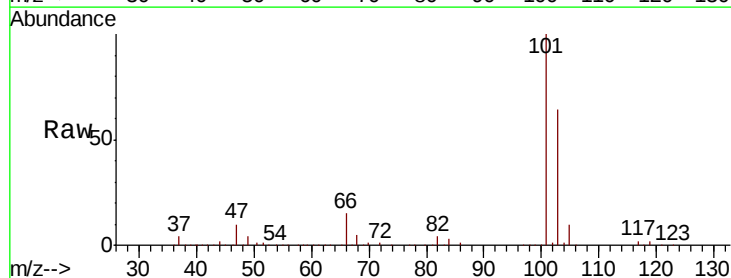
Instrument :
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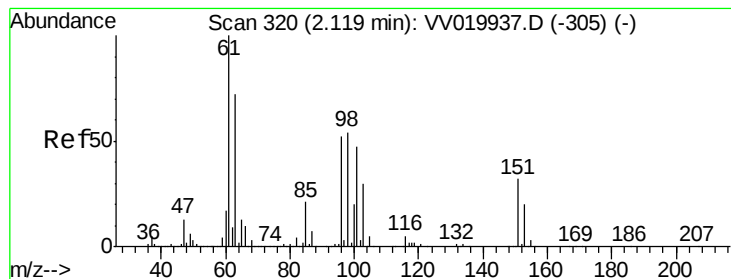
Tot Ion: 64 Resp: 149798
Ion Ratio Lower Upper
64 100
66 32.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 51.307 ug/L
RT: 1.75 min Scan# 206
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

Tgt Ion: 101 Resp: 296565
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5





#10

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

Concen: 49.125 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

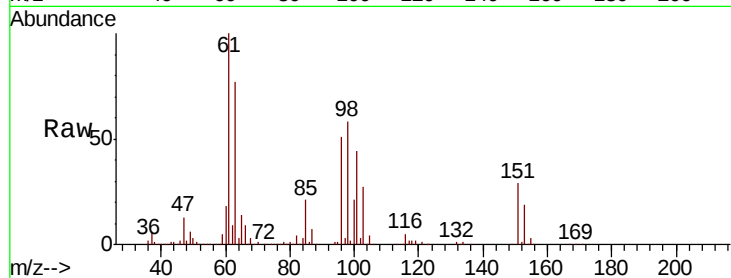
Tot Ion:101 Resp: 159920

Ion Ratio Lower Upper

101 100

85 47.0 35.3 52.9

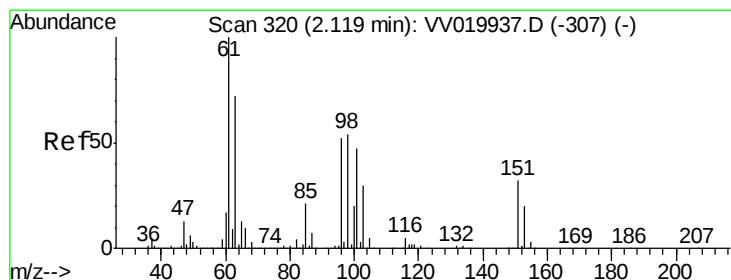
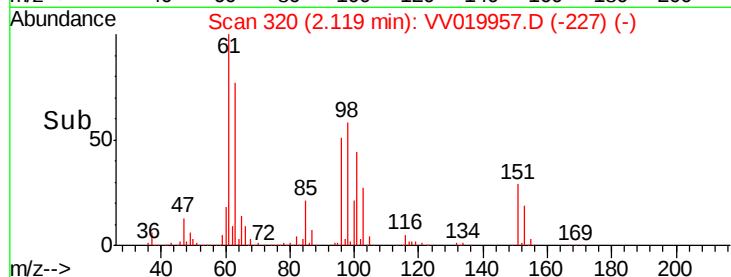
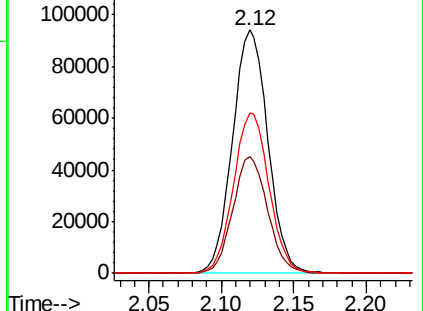
151 66.2 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): VV019937.D (-305) (-)

Ion 85.00 (84.70 to 85.70): VV019937.D (-305) (-)

Ion 151.00 (150.70 to 151.70): VV019937.D (-305) (-)



#12

1,1-Dichloroethene

Concen: 47.955 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

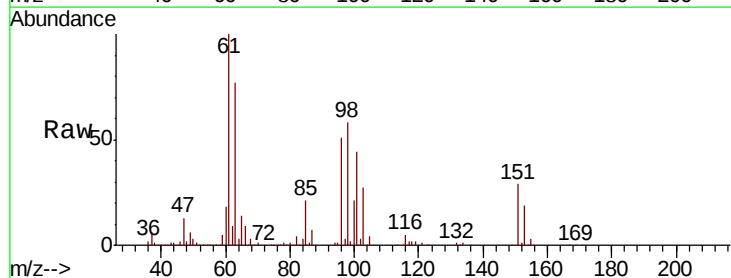
Tgt Ion: 96 Resp: 156647

Ion Ratio Lower Upper

96 100

61 197.7 134.9 250.5

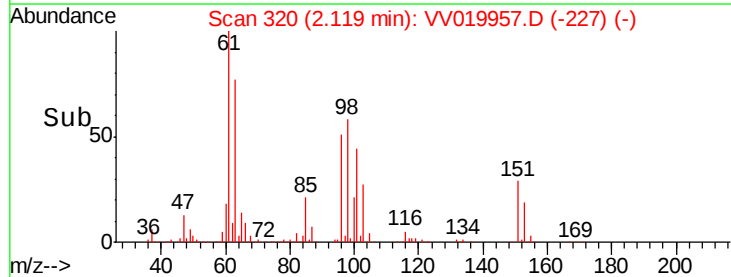
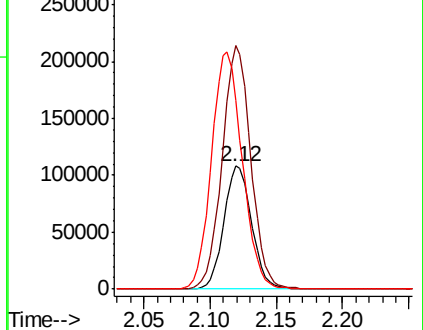
63 153.0 117.6 218.4

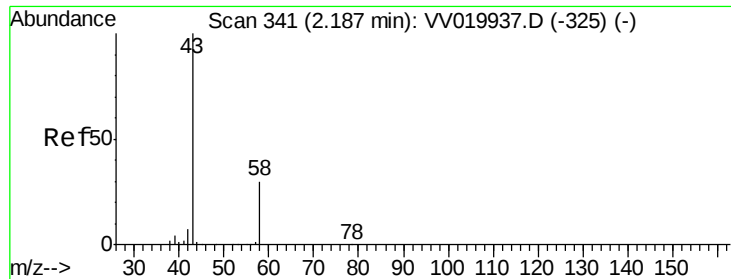


Abundance Ion 96.00 (95.70 to 96.70): VV019937.D (-307) (-)

Ion 61.00 (60.70 to 61.70): VV019937.D (-307) (-)

Ion 63.00 (62.70 to 63.70): VV019937.D (-307) (-)





#13

Acetone

Concen: 92.759 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampled :

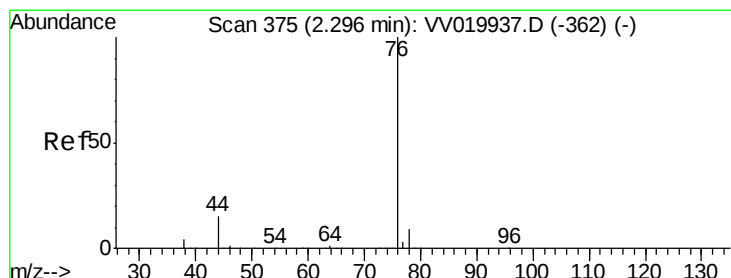
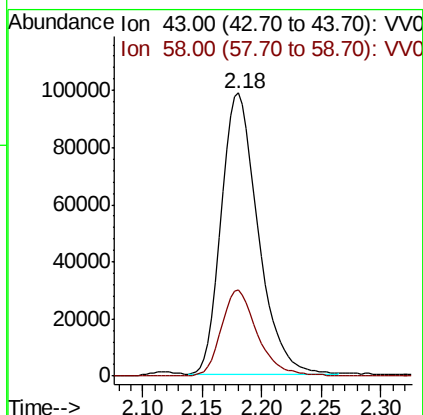
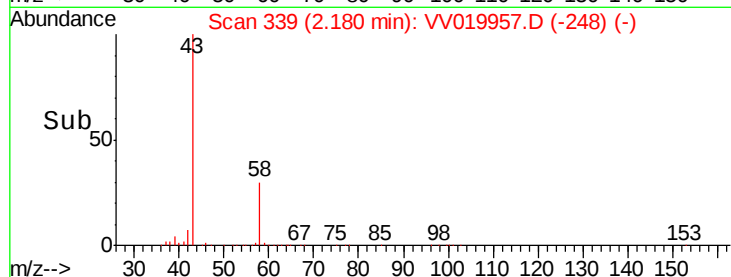
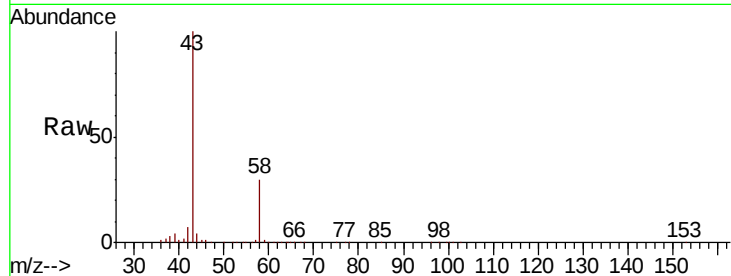
VSTD05081

Tot Ion: 43 Resp: 211569

Ion Ratio Lower Upper

43 100

58 29.9 0.0 60.2



#14

Carbon disulfide

Concen: 40.863 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019957.D

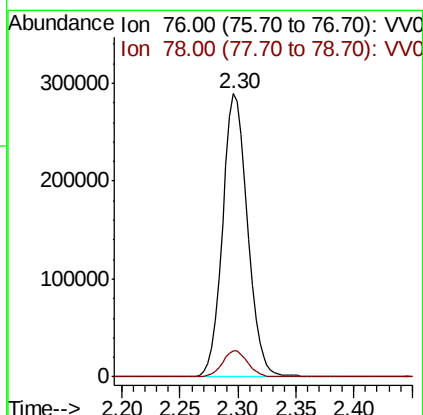
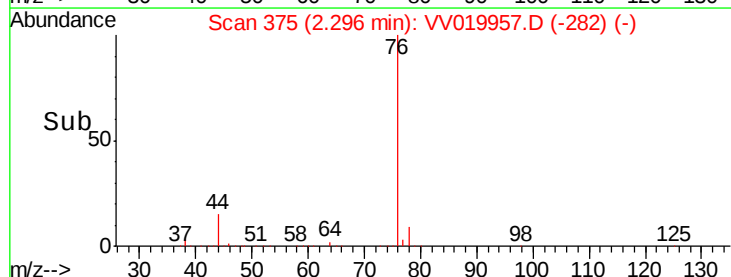
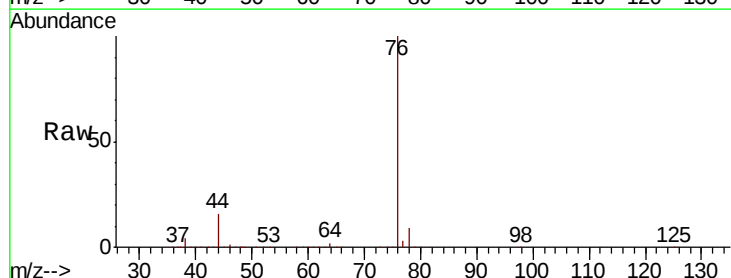
Acq: 08 Jan 2021 19:09

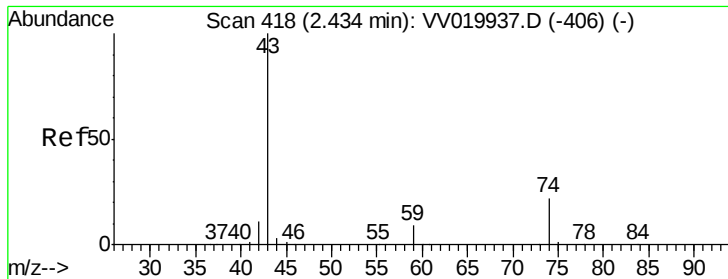
Tgt Ion: 76 Resp: 434848

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

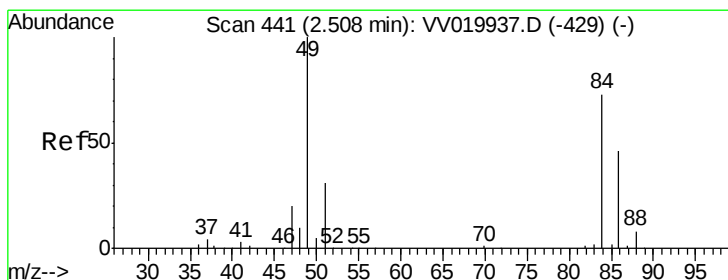
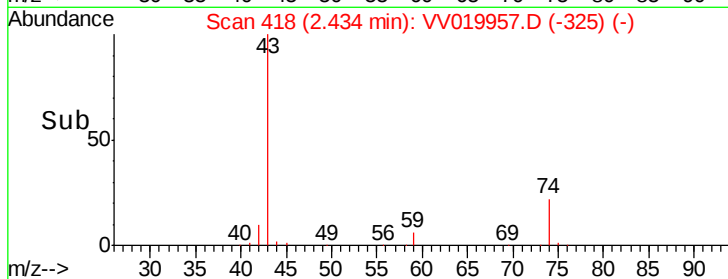
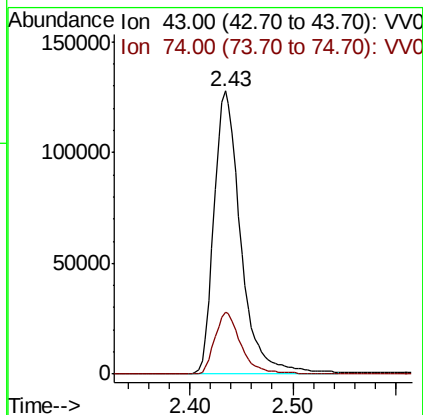
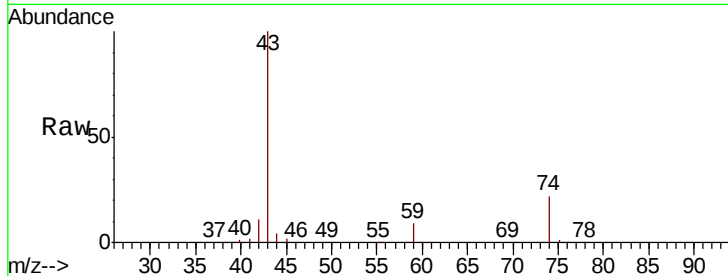




#15
Methvl Acetate
Concen: 49.338 ug/L
RT: 2.43 min Scan# 418
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

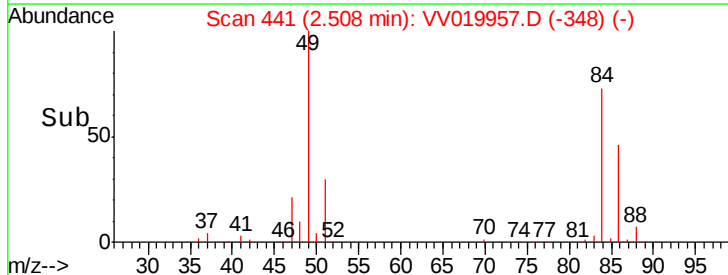
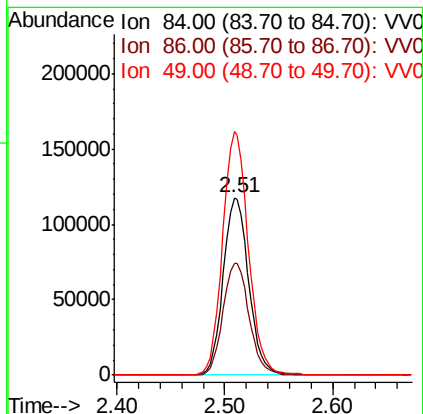
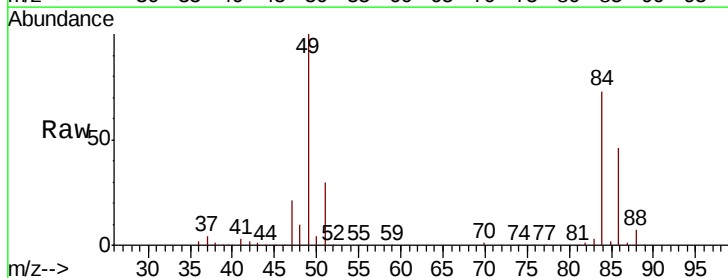
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

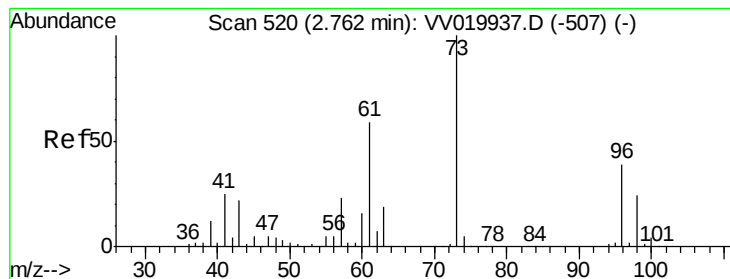
Tot Ion: 43 Resp: 228649
Ion Ratio Lower Upper
43 100
74 21.9 17.6 26.4



#16
Methylene chloride
Concen: 47.317 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

Tgt Ion: 84 Resp: 194123
Ion Ratio Lower Upper
84 100
86 63.3 44.6 82.8
49 137.4 94.6 175.8





#17

trans-1,2-Dichloroethene

Concen: 46.466 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

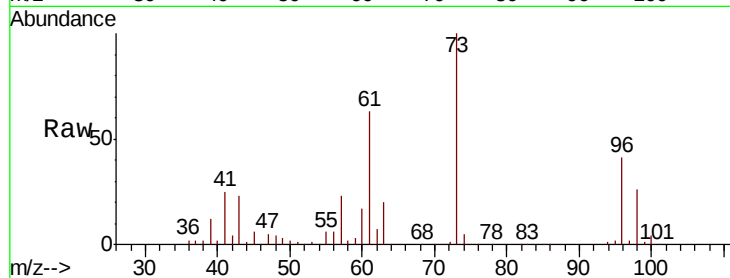
Tot Ion: 96 Resp: 169823

Ion Ratio Lower Upper

96 100

61 155.1 103.1 191.5

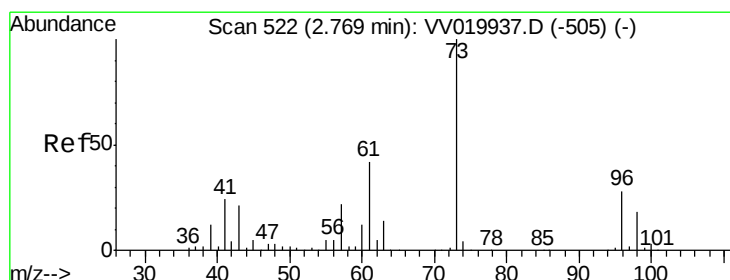
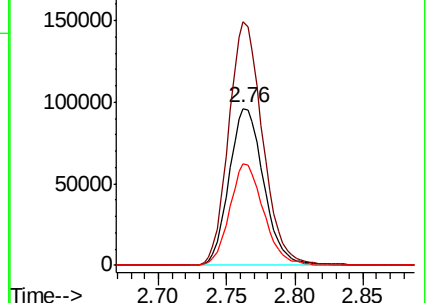
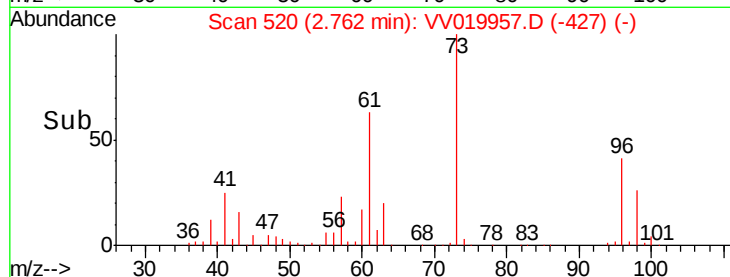
98 64.9 43.1 80.1



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: 48.090 ug/L

RT: 2.77 min Scan# 523

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

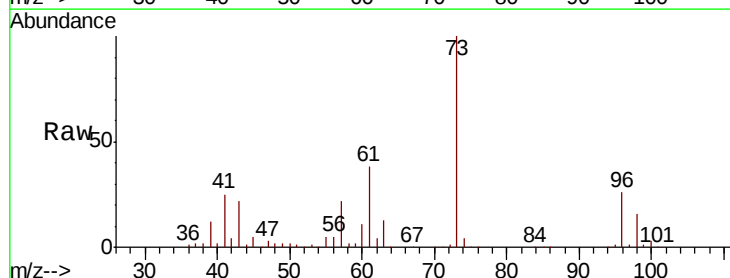
Tgt Ion: 73 Resp: 593423

Ion Ratio Lower Upper

73 100

43 22.5 17.3 25.9

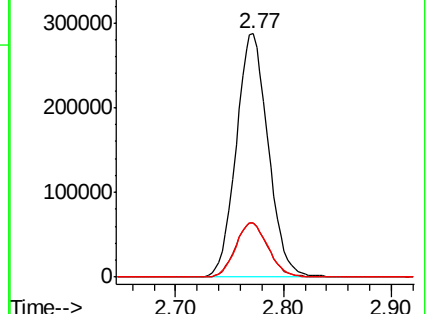
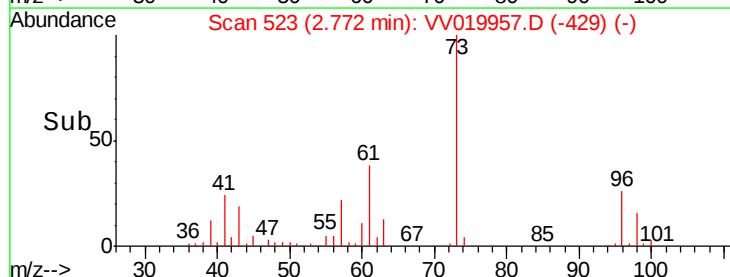
57 22.9 17.9 26.9

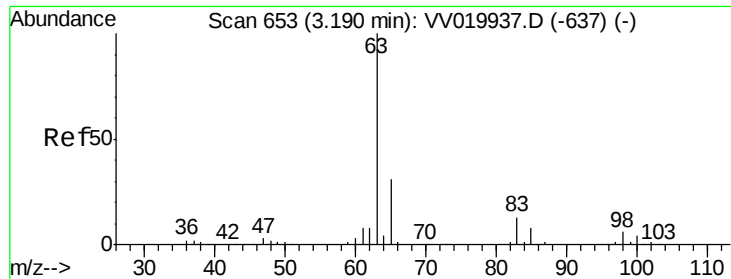


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

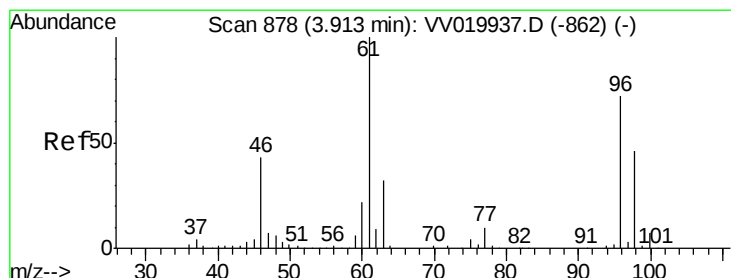
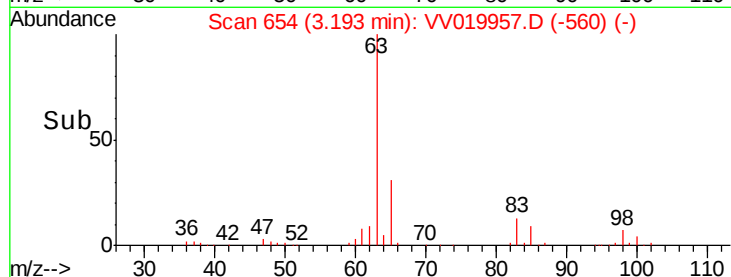
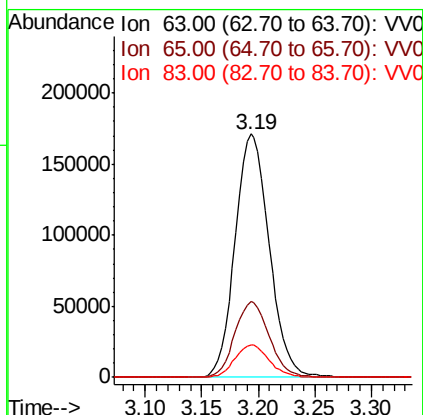
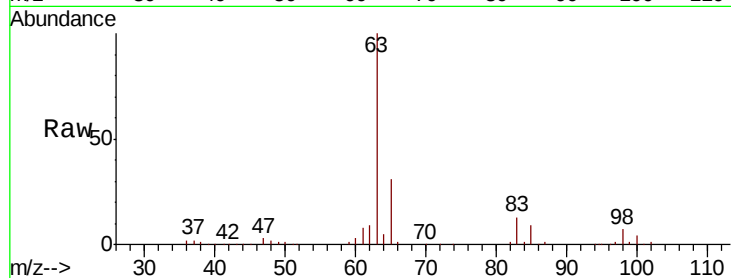




#19
 1,1-Dichloroethane
 Concen: 48.954 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

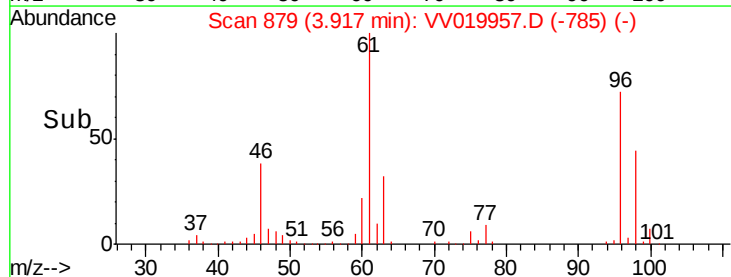
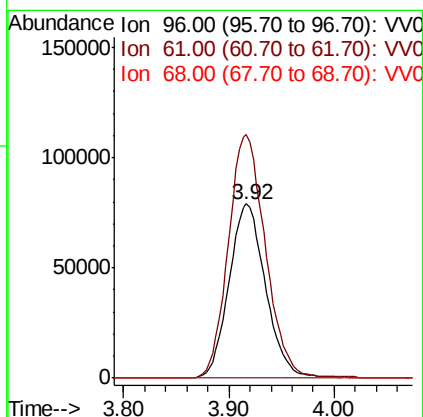
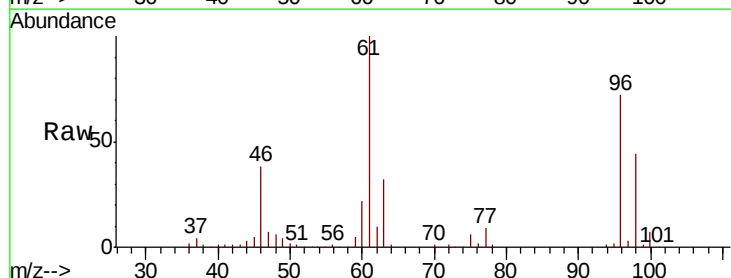
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

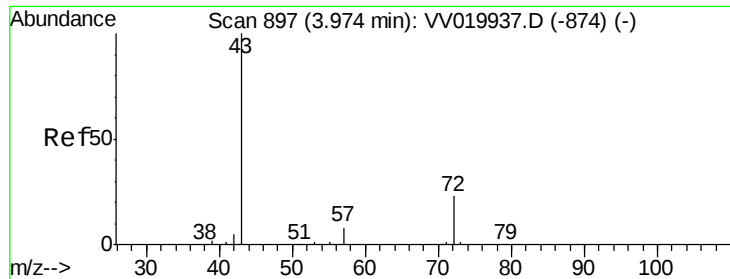
Tot Ion: 63 Resp: 361043
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.9 40.7
 83 13.5 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 47.396 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

Tgt Ion: 96 Resp: 189517
 Ion Ratio Lower Upper
 96 100
 61 139.6 96.9 179.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.206 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

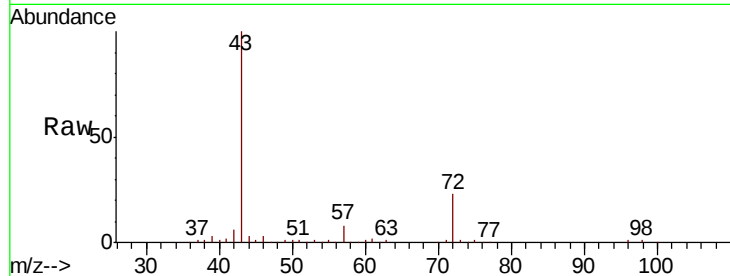
VSTD05081

Tot Ion: 43 Resp: 314478

Ion Ratio Lower Upper

43 100

72 22.2 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV019937.D (-874) (-)

Ion 72.00 (71.70 to 72.70): VV019937.D (-874) (-)

3.97

120000

100000

80000

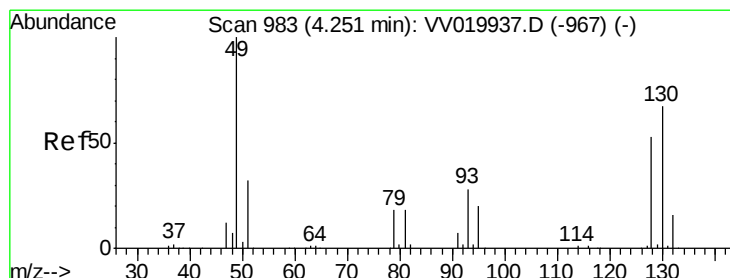
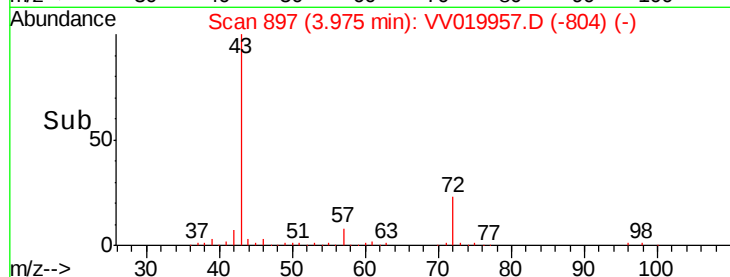
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 47.755 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Tgt Ion: 128 Resp: 94352

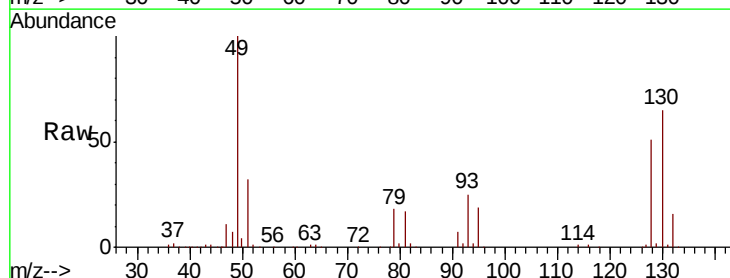
Ion Ratio Lower Upper

128 100

49 195.1 133.1 247.1

130 127.0 89.0 165.4

51 63.2 49.3 73.9



Abundance Ion 128.00 (127.70 to 128.70): VV019937.D (-967) (-)

Ion 49.00 (48.70 to 49.70): VV019937.D (-967) (-)

Ion 130.00 (129.70 to 130.70): VV019937.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VV019937.D (-967) (-)

120000

100000

80000

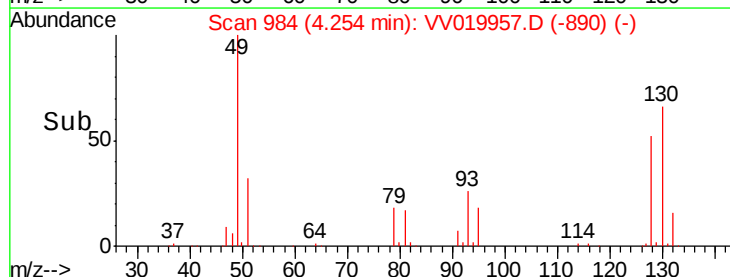
60000

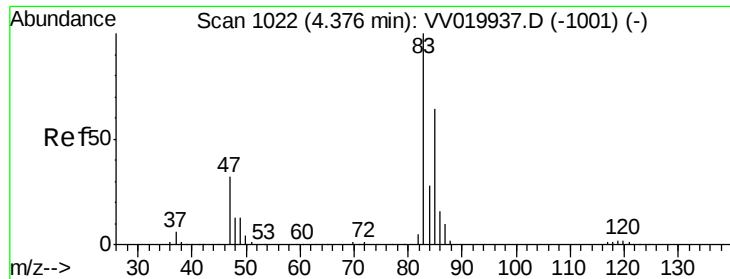
40000

20000

0

Time-->

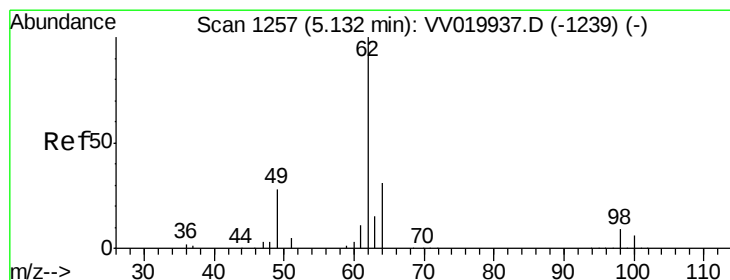
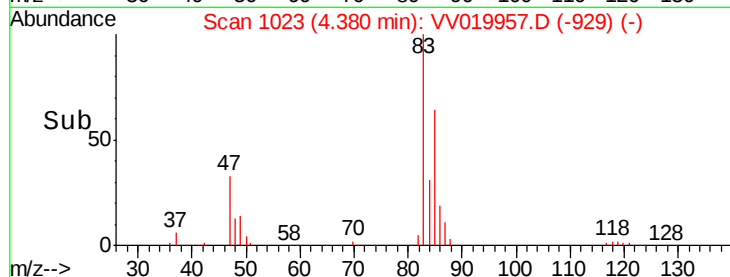
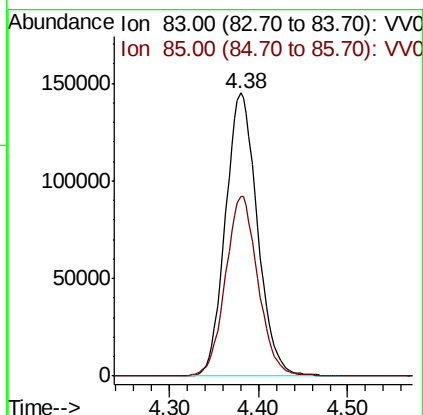
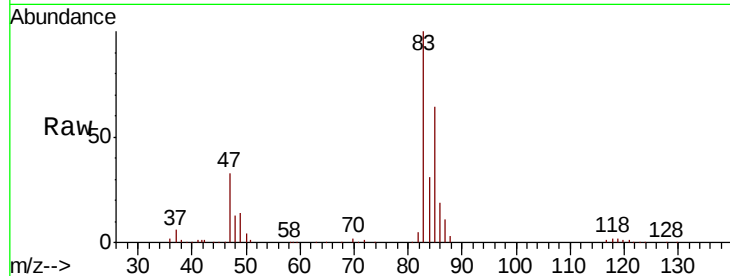




#25
Chloroform
Concen: 49.559 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

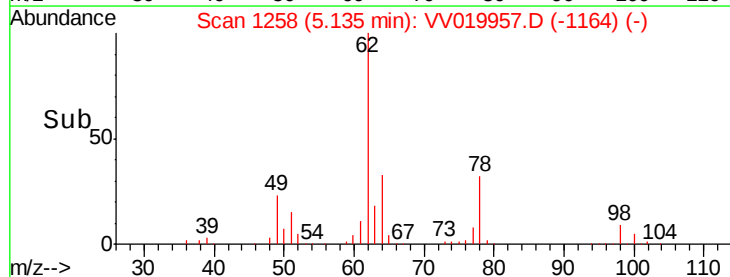
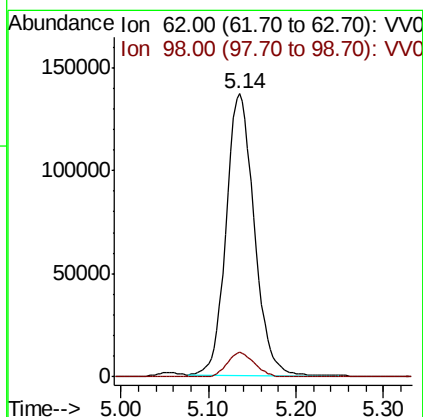
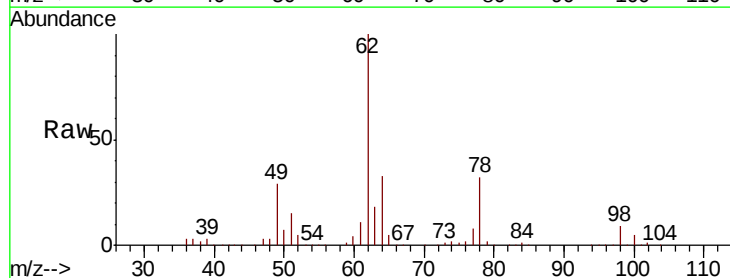
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

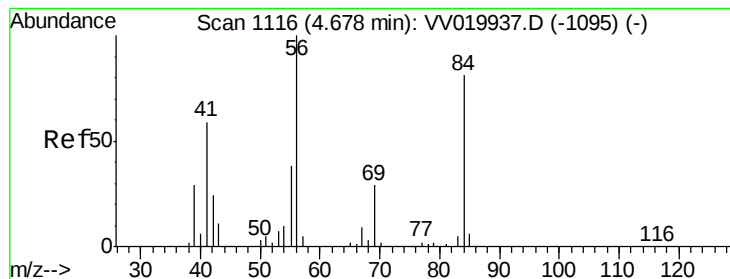
Tot Ion: 83 Resp: 360565
Ion Ratio Lower Upper
83 100
85 63.7 44.2 82.2



#27
1,2-Dichloroethane
Concen: 50.961 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

Tgt Ion: 62 Resp: 305682
Ion Ratio Lower Upper
62 100
98 8.8 6.9 10.3





#29

Cvclohexane

Concen: 43.942 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampled :

VSTD05081

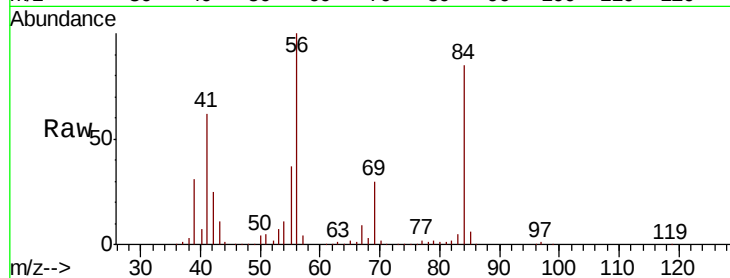
Tot Ion: 56 Resp: 280669

Ion Ratio Lower Upper

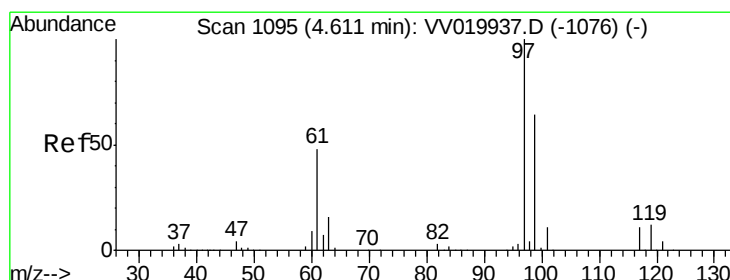
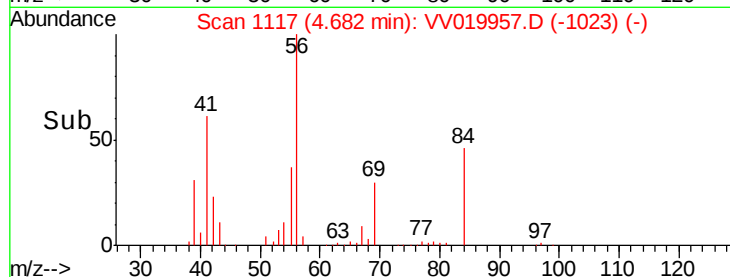
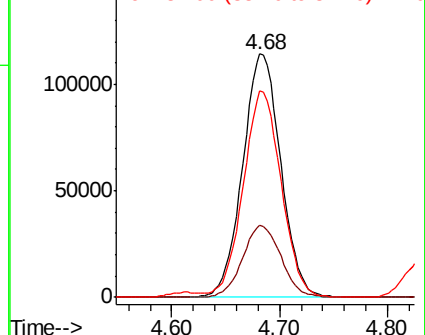
56 100

69 29.9 24.2 36.2

84 84.7 66.3 99.5



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: 47.639 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

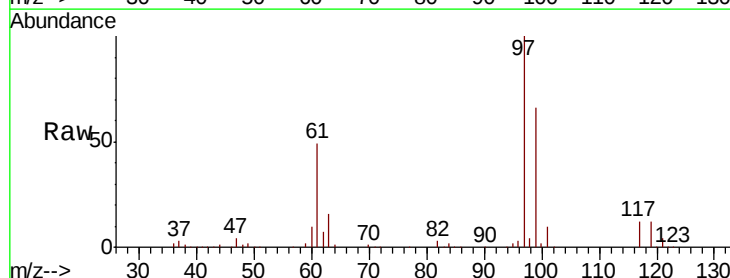
Tgt Ion: 97 Resp: 304280

Ion Ratio Lower Upper

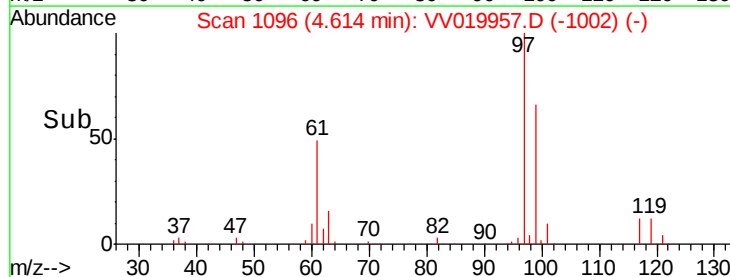
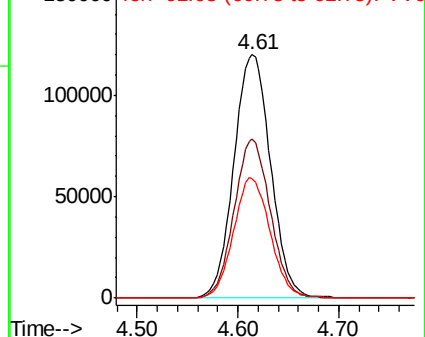
97 100

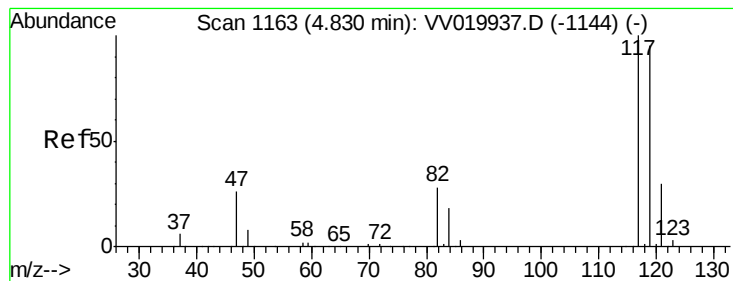
99 64.3 51.2 76.8

61 49.2 38.5 57.7



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: 46.683 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

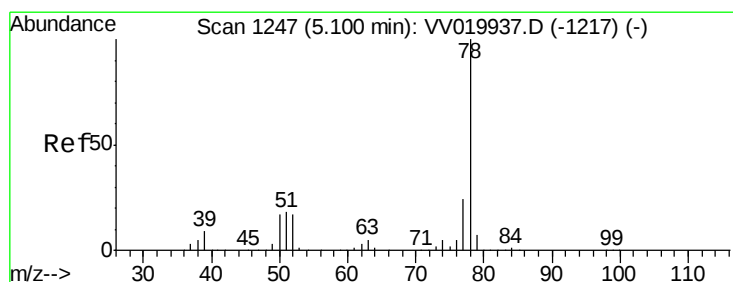
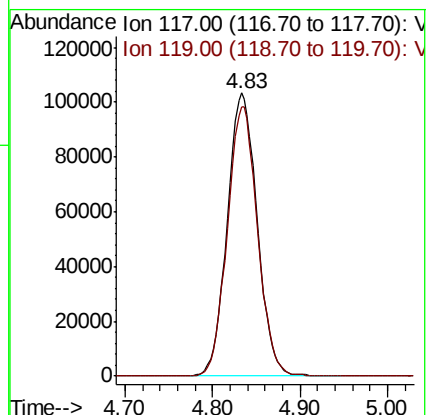
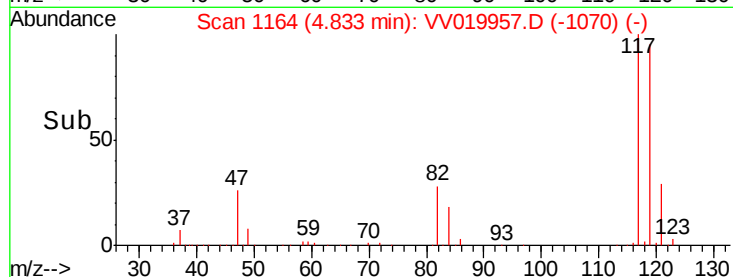
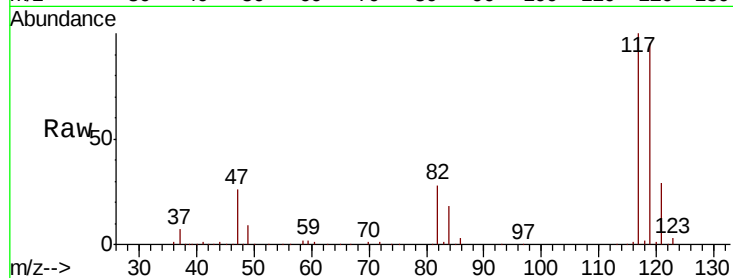
VSTD05081

Tot Ion:117 Resp: 245372

Ion Ratio Lower Upper

117 100

119 95.8 76.3 114.5



#33

Benzene

Concen: 47.815 ug/L

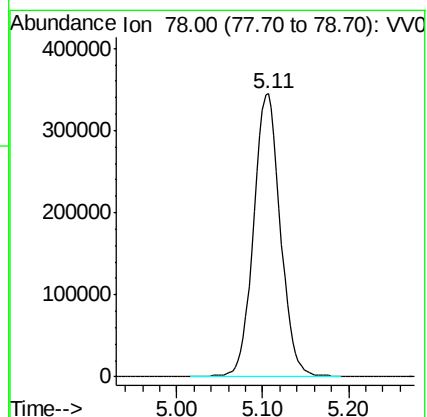
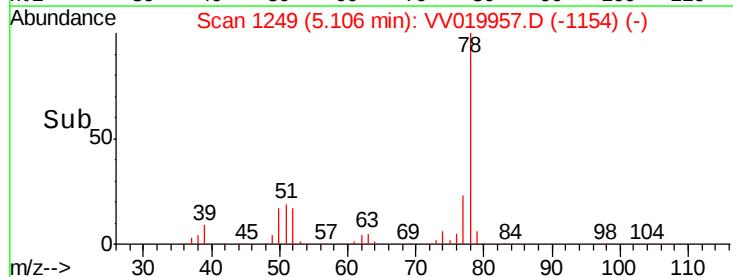
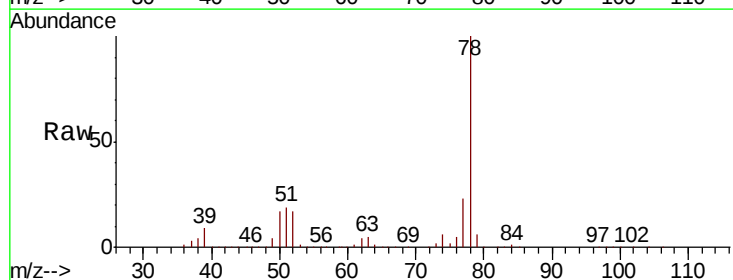
RT: 5.11 min Scan# 1249

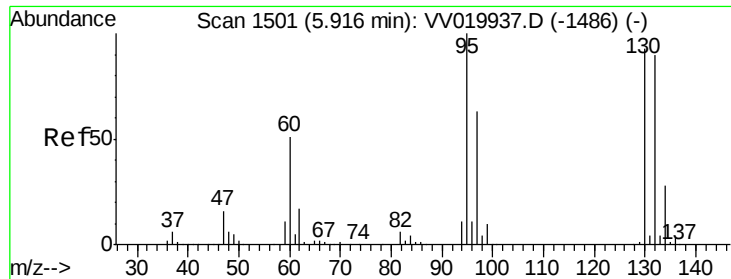
Delta R.T. 0.01 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Tgt Ion: 78 Resp: 750273

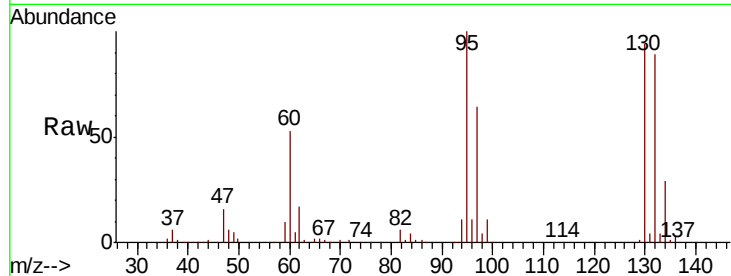




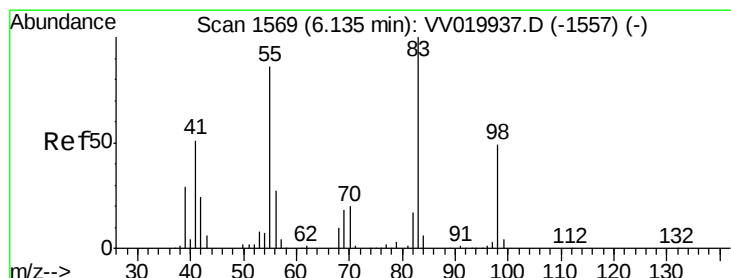
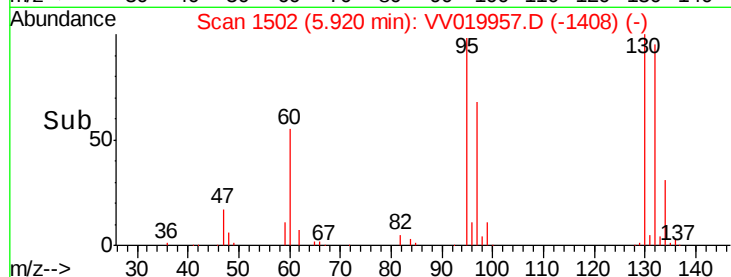
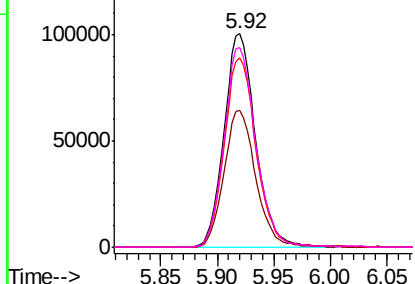
#34
 Trichloroethene
 Concen: 46.802 ug/L
 RT: 5.92 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion: 95 Resp: 194825
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.5 82.7
 132 88.7 63.4 117.8
 130 93.8 67.1 124.5

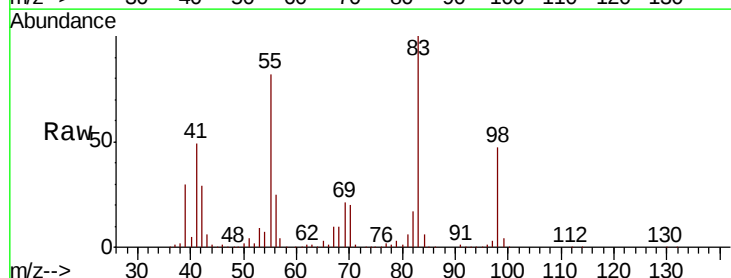


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

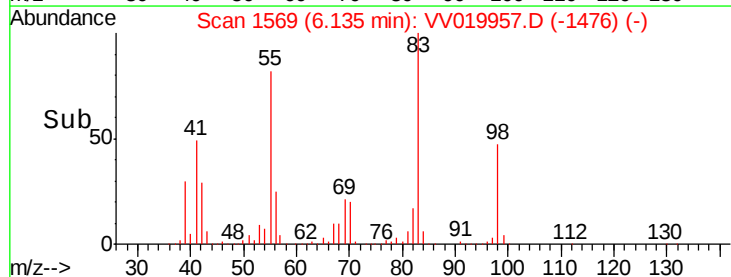
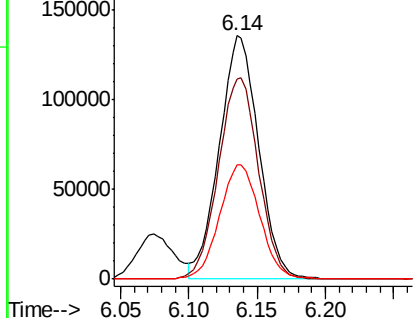


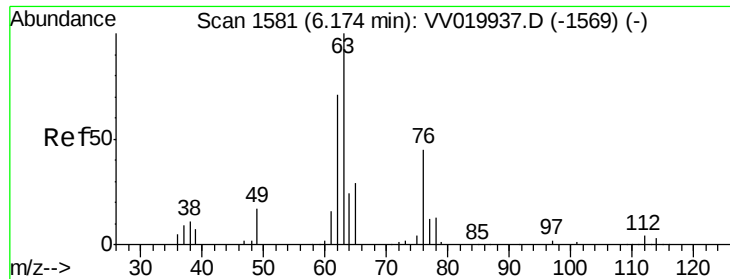
#35
 Methylcyclohexane
 Concen: 43.410 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

Tgt Ion: 83 Resp: 271000
 Ion Ratio Lower Upper
 83 100
 55 84.5 65.1 97.7
 98 48.3 38.2 57.2



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

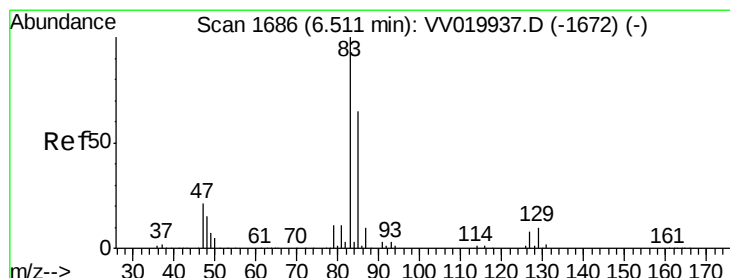
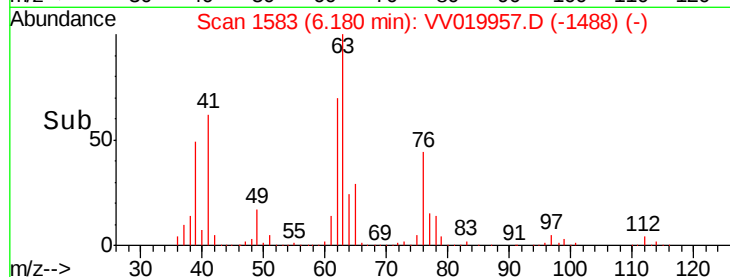
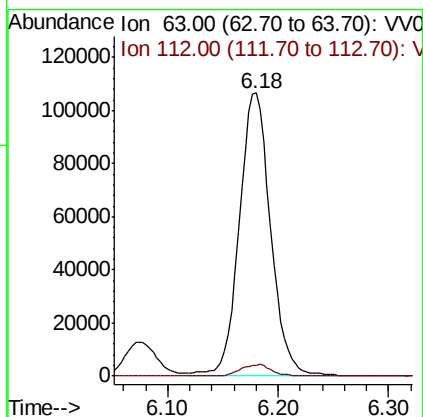
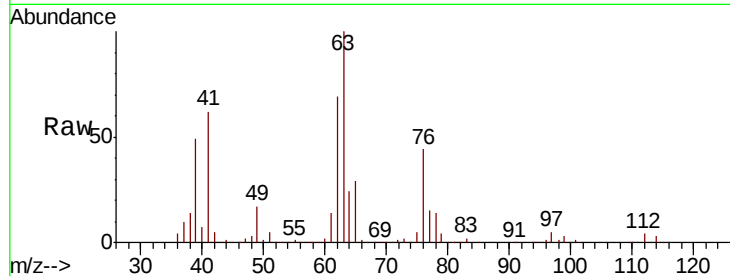




#37
 1,2-Dichloropropane
 Concen: 49.366 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

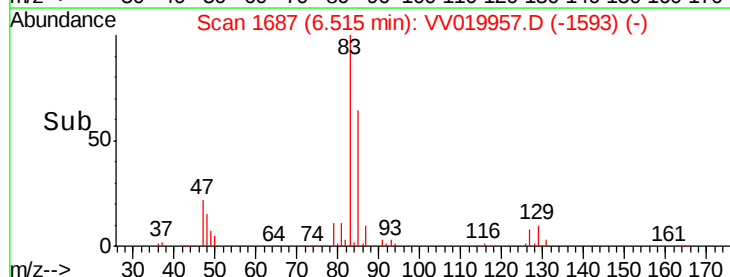
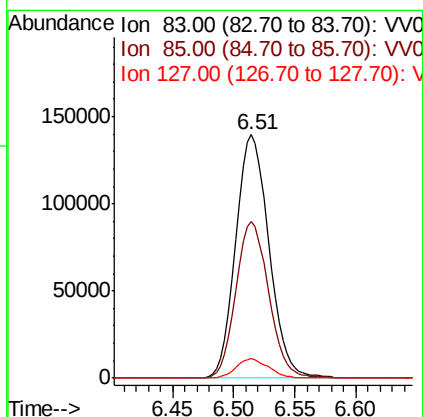
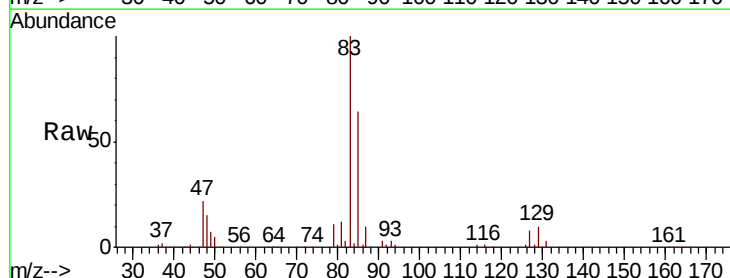
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

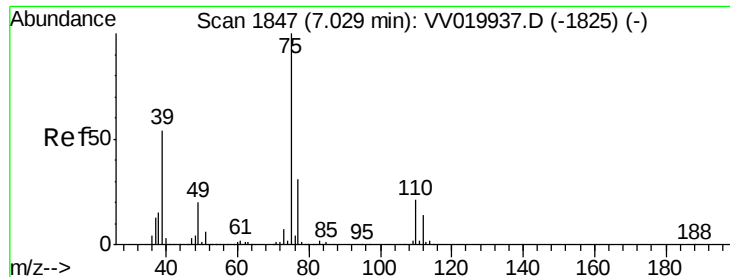
Tot Ion: 63 Resp: 208016
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 47.912 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

Tgt Ion: 83 Resp: 263945
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.5 82.7
 127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 45.381 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

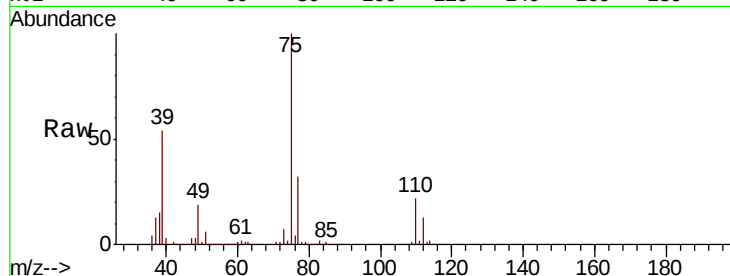
VSTD05081

Tot Ion: 75 Resp: 294552

Ion Ratio Lower Upper

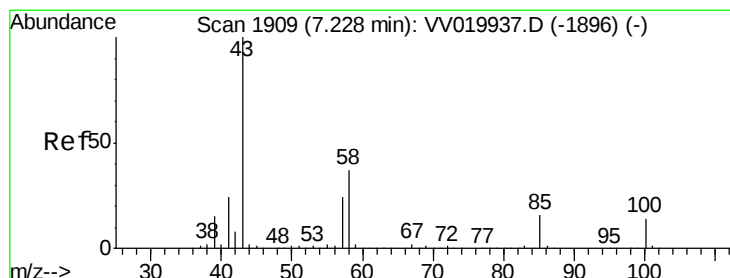
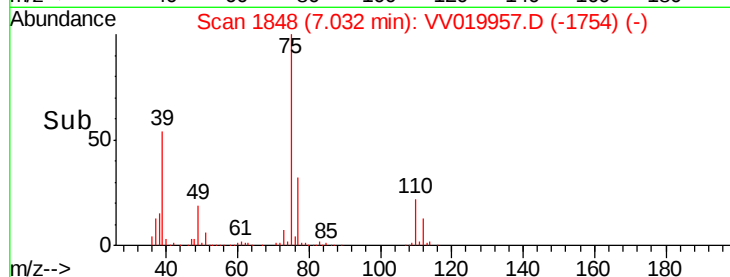
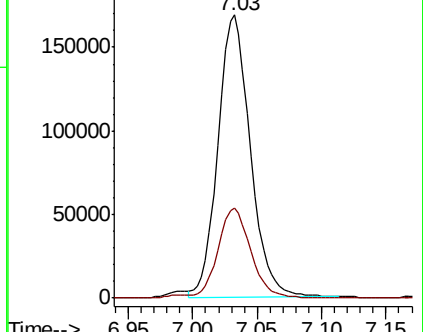
75 100

77 31.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 99.826 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

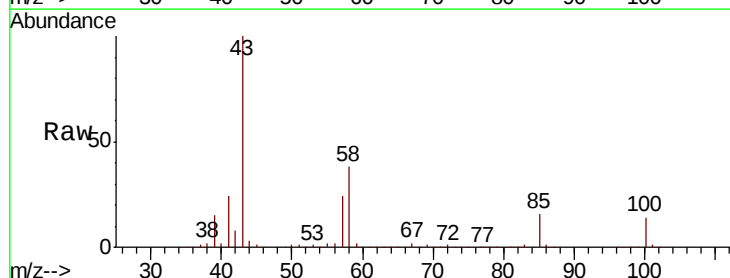
Tgt Ion: 43 Resp: 629858

Ion Ratio Lower Upper

43 100

58 37.1 30.7 46.1

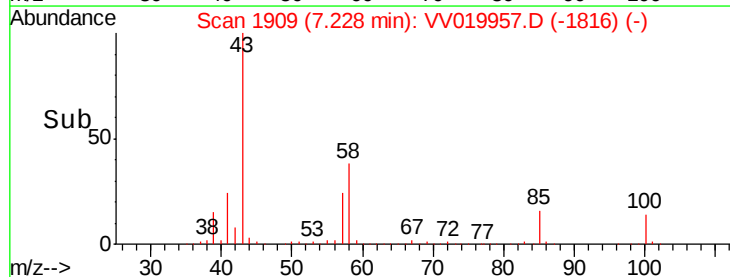
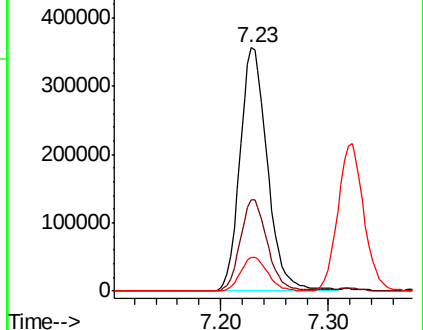
100 13.8 11.6 17.4

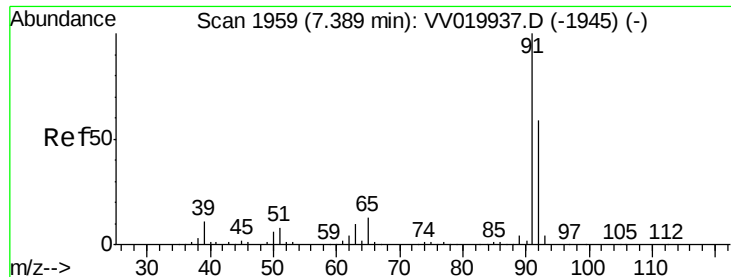


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 47.979 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

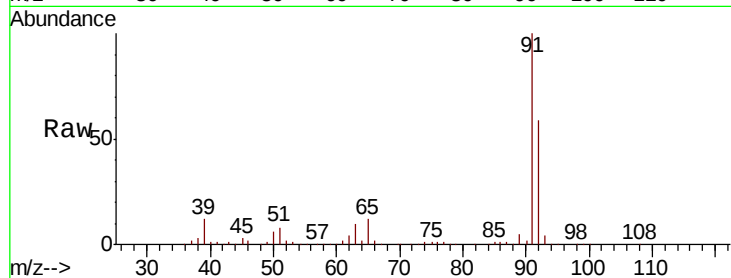
VSTD05081

Tot Ion: 91 Resp: 771174

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV019937.D (-1945) (-)

Ion 92.00 (91.70 to 92.70): VV019957.D (-1866) (-)

7.39

400000

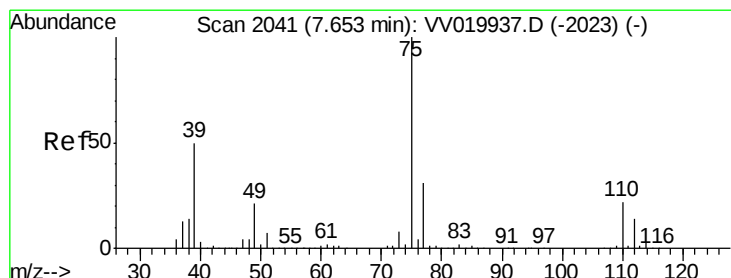
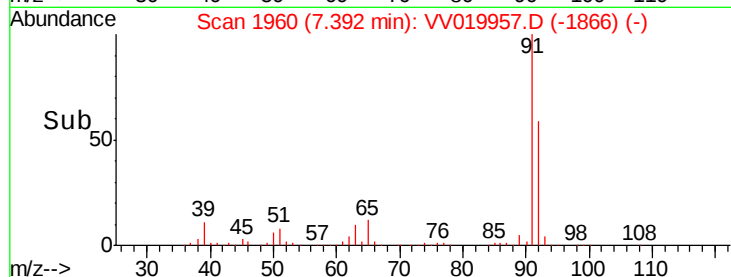
300000

200000

100000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 46.852 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. 0.00 min

Lab File: VV019957.D

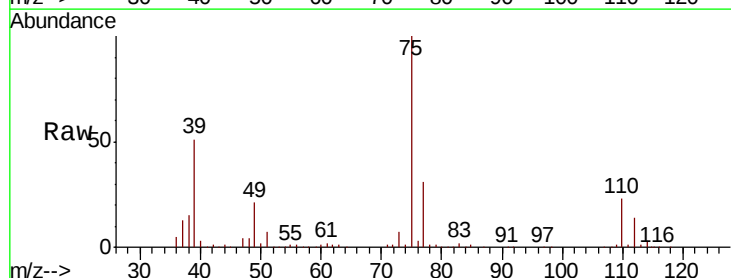
Acq: 08 Jan 2021 19:09

Tgt Ion: 75 Resp: 296601

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV019937.D (-2023) (-)

Ion 77.00 (76.70 to 77.70): VV019957.D (-1948) (-)

7.66

200000

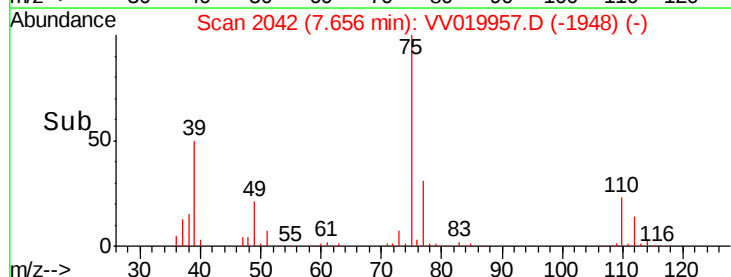
150000

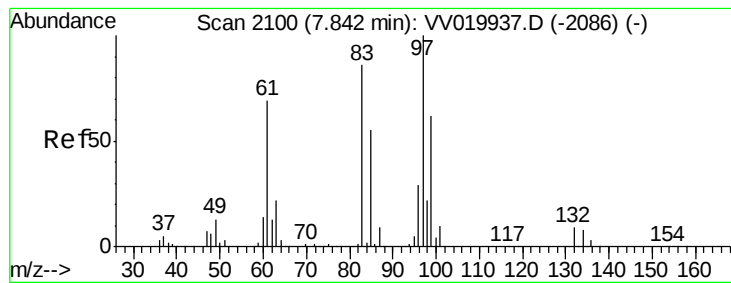
100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 48.879 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

Tot Ion: 97 Resp: 188929

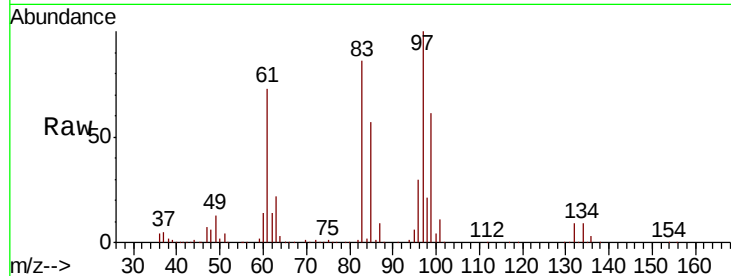
Ion Ratio Lower Upper

97 100

99 60.7 43.8 81.3

83 86.5 62.2 115.4

85 57.3 39.0 72.4

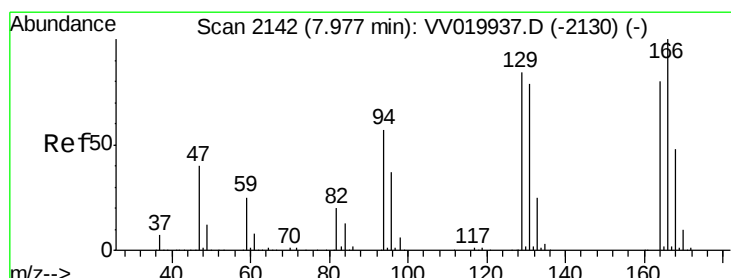
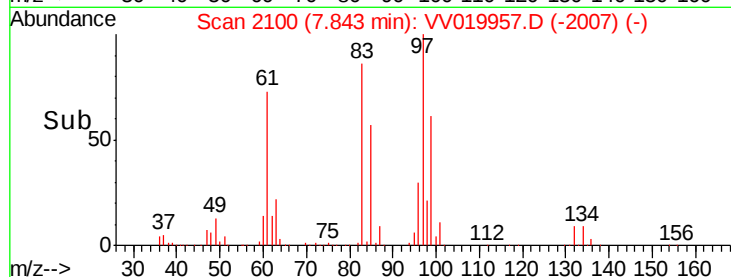
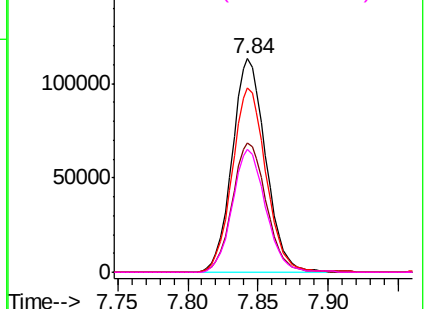


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 44.708 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Tgt Ion: 164 Resp: 124288

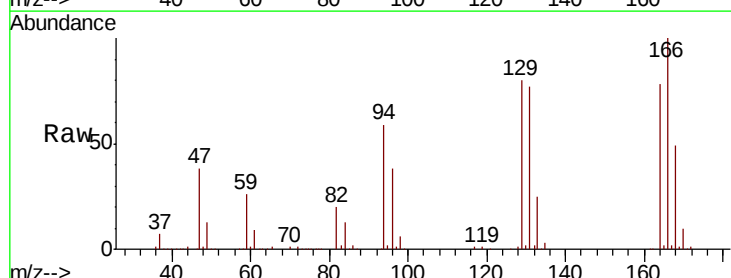
Ion Ratio Lower Upper

164 100

129 102.6 70.6 131.0

131 98.9 66.8 124.0

166 127.6 88.2 163.8

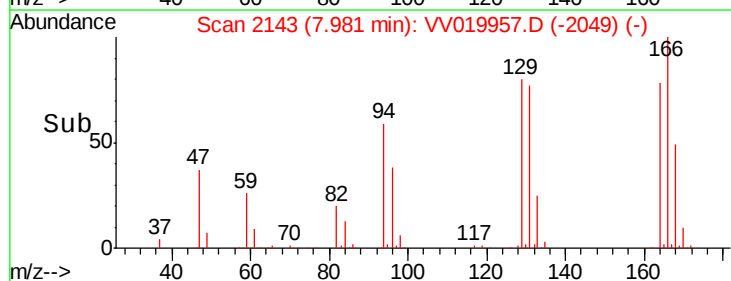
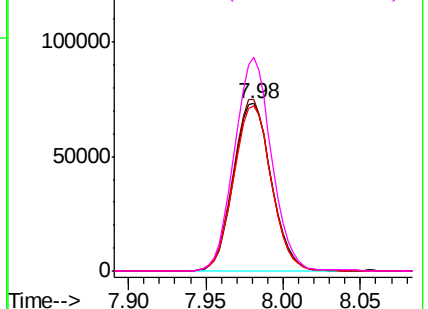


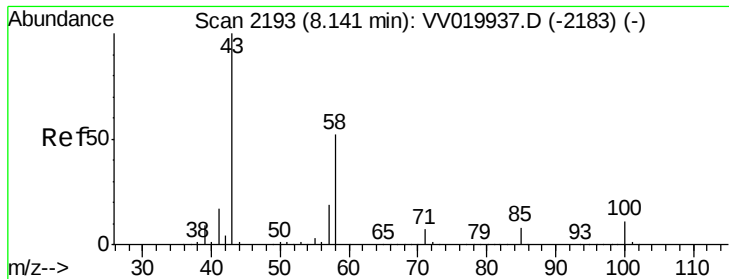
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

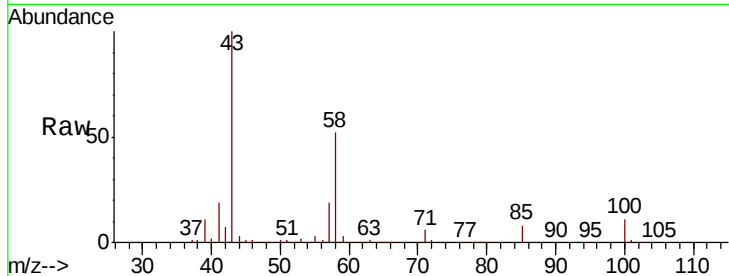




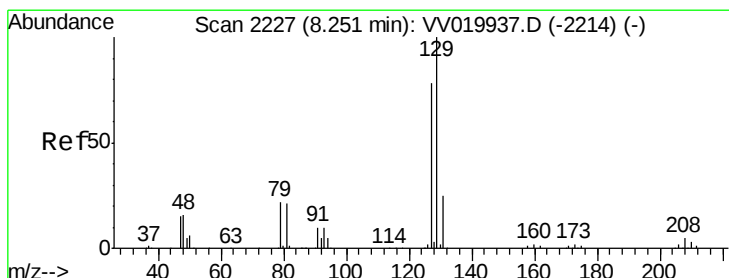
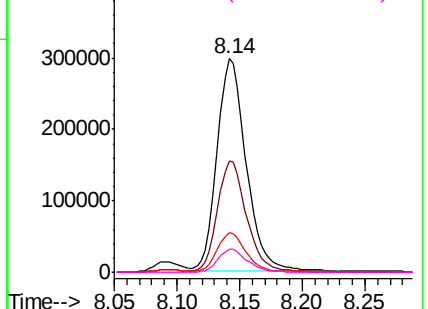
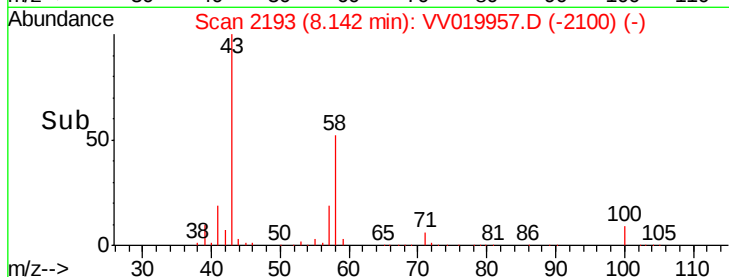
#48
2-Hexanone
Concen: 98.416 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

Tot Ion: 43 Resp: 480089
Ion Ratio Lower Upper
43 100
58 52.5 41.8 62.6
57 17.9 15.0 22.4
100 10.7 8.9 13.3

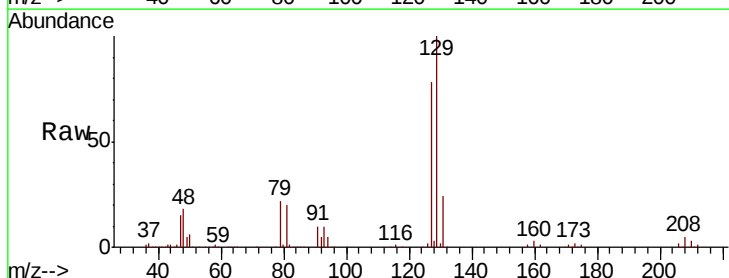


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

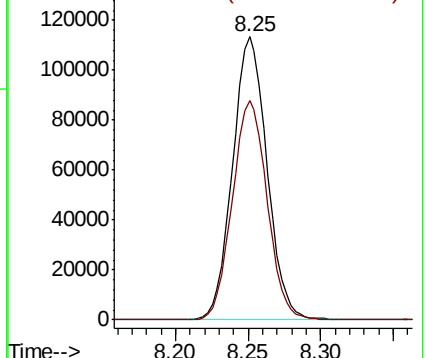
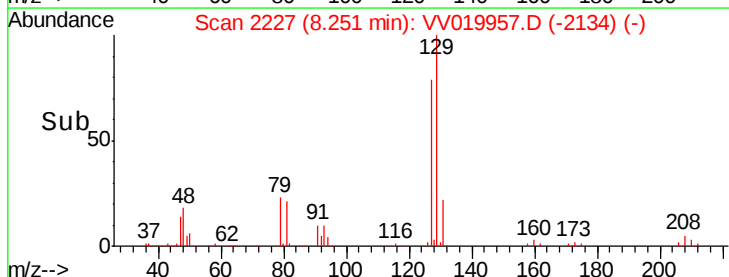


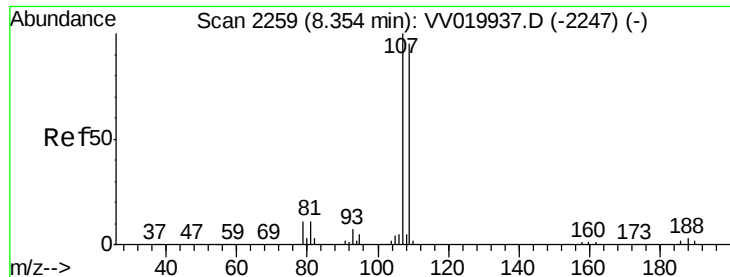
#49
Dibromochloromethane
Concen: 46.901 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

Tgt Ion: 129 Resp: 187450
Ion Ratio Lower Upper
129 100
127 77.7 55.2 102.6



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

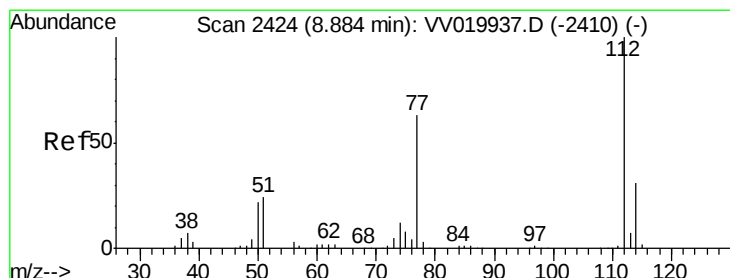
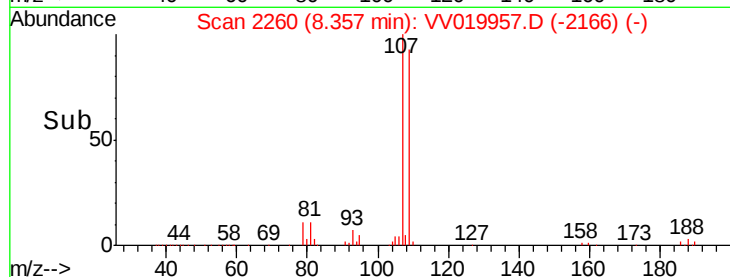
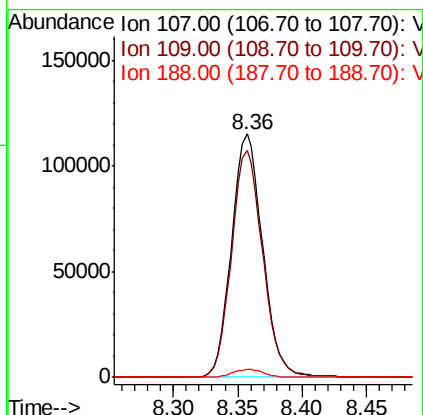
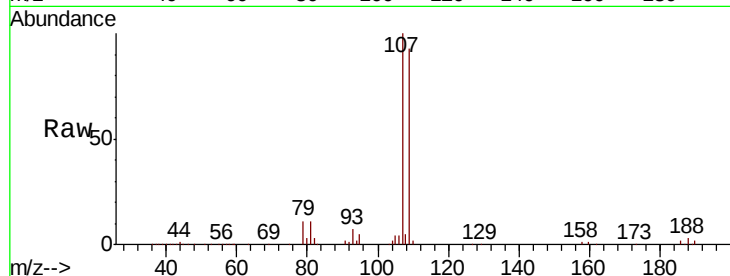




#50
1,2-Dibromoethane
Concen: 47.613 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

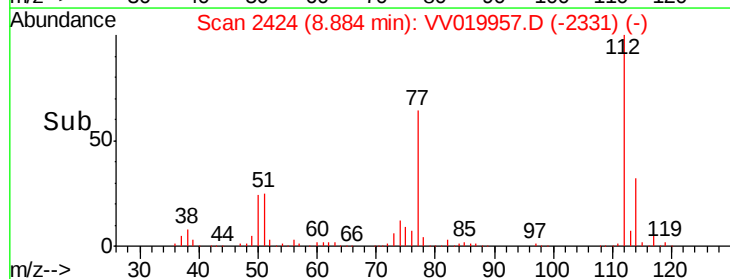
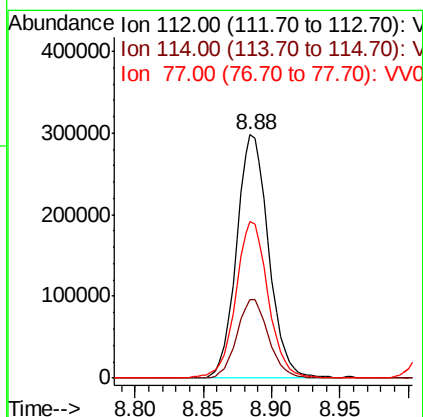
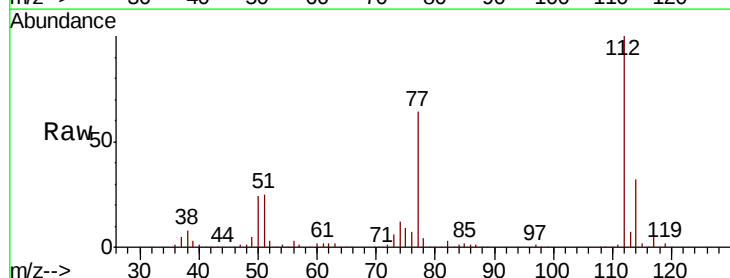
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

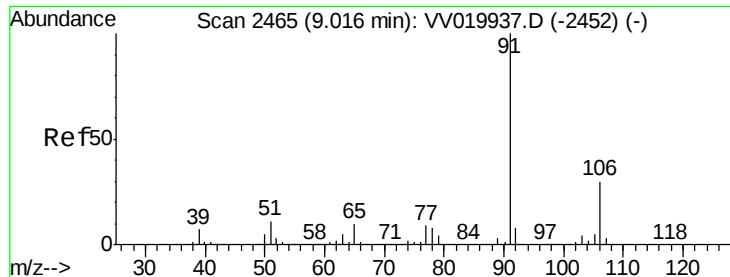
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.2	123.0
188	3.1	2.6	3.8



#51
Chlorobenzene
Concen: 47.340 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	64.2	49.0	73.6

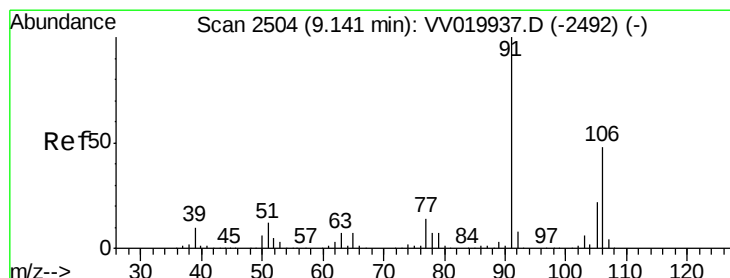
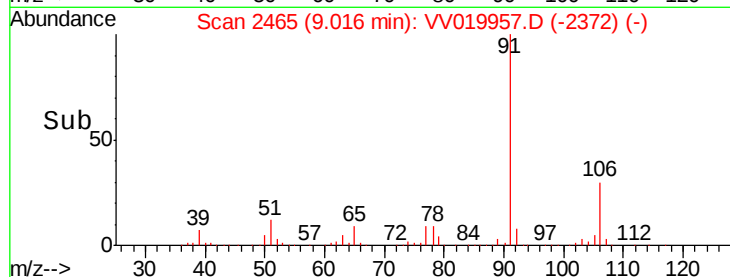
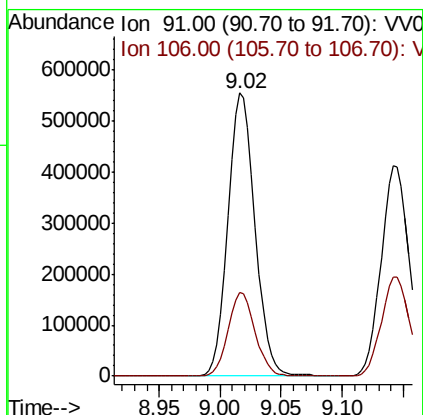
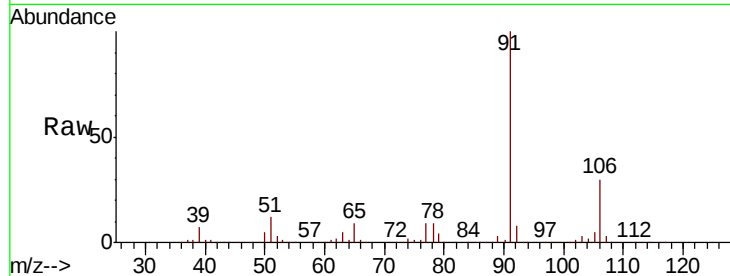




#52
Ethylbenzene
Concen: 47.723 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

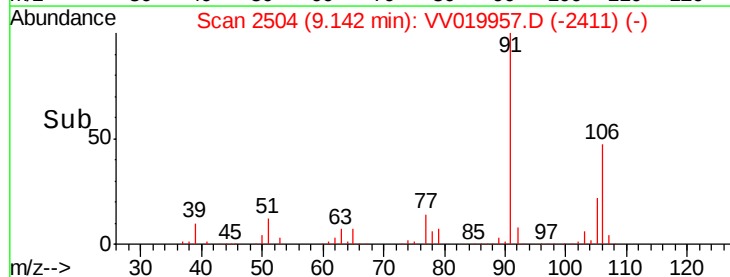
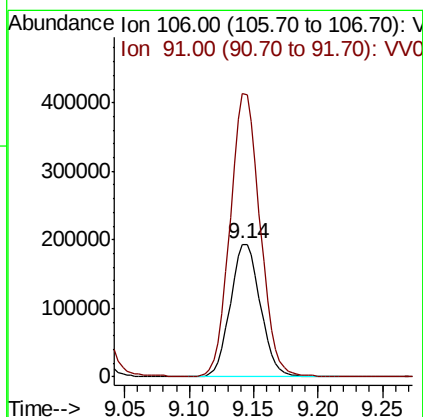
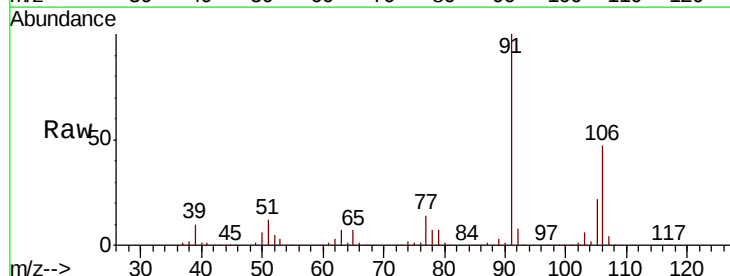
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

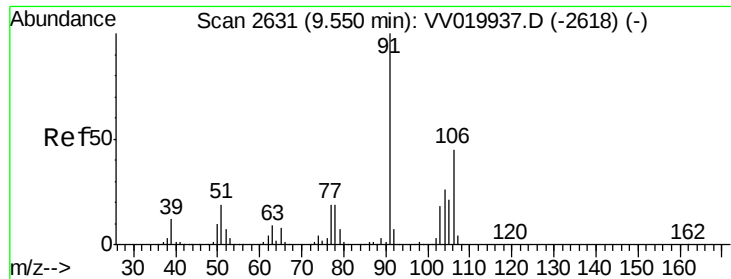
Tot Ion: 91 Resp: 863155
Ion Ratio Lower Upper
91 100
106 29.6 21.0 39.0



#53
m,p-Xylene
Concen: 47.599 ug/L
RT: 9.14 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

Tgt Ion: 106 Resp: 313576
Ion Ratio Lower Upper
106 100
91 213.4 148.1 275.0

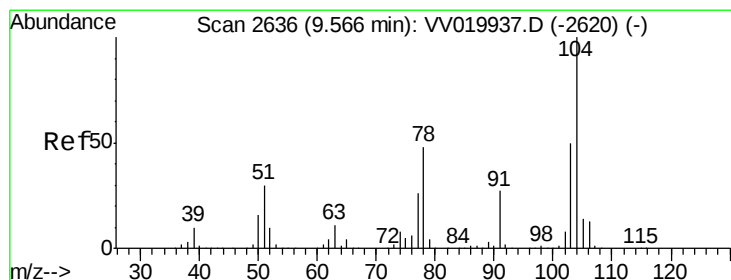
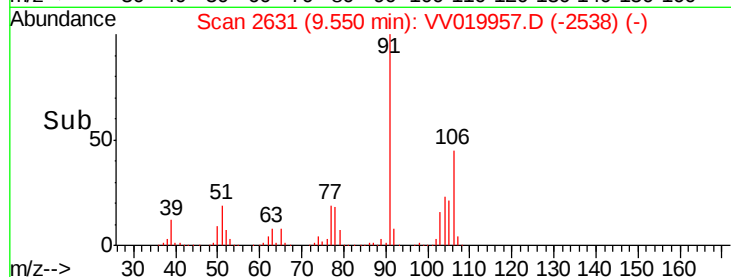
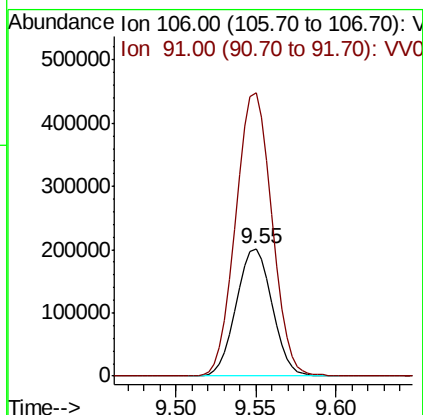
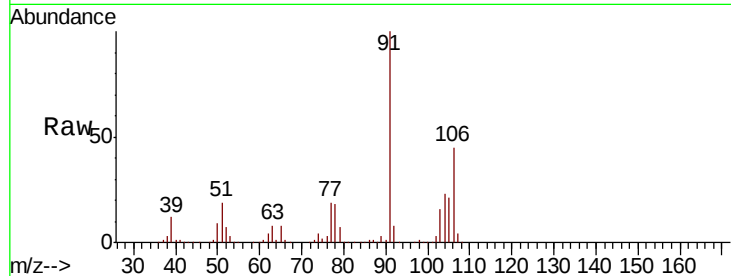




#54
o-xylene
Concen: 47.861 ug/L
RT: 9.55 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

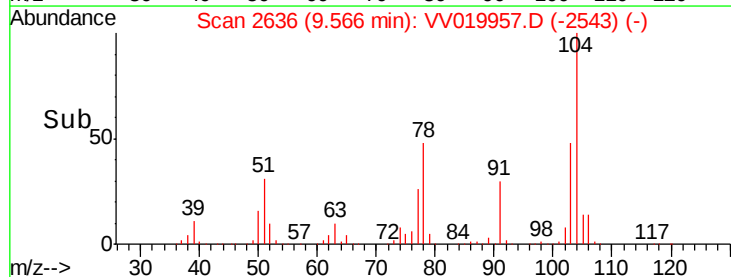
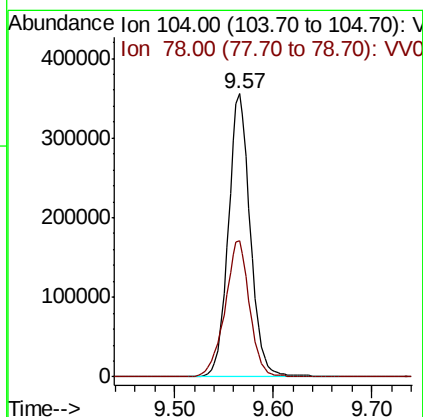
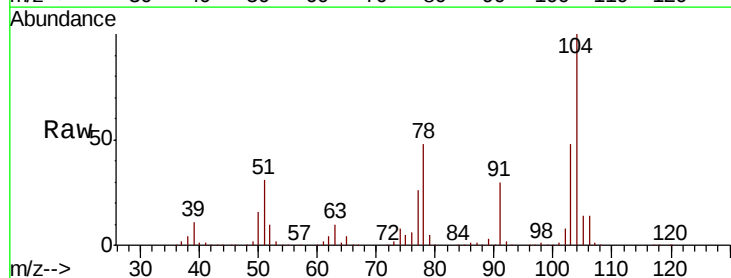
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

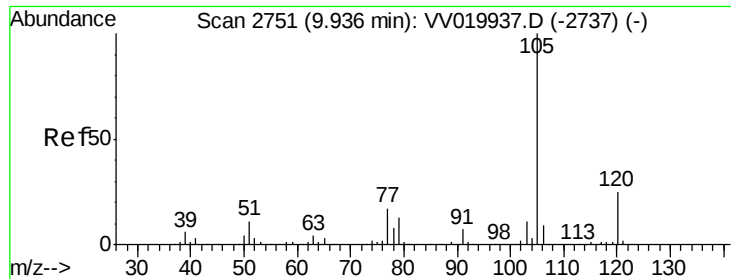
Tot Ion:106 Resp: 308259
Ion Ratio Lower Upper
106 100
91 222.2 156.4 290.6



#55
Styrene
Concen: 49.512 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019957.D
Acq: 08 Jan 2021 19:09

Tgt Ion:104 Resp: 554228
Ion Ratio Lower Upper
104 100
78 48.1 33.7 62.5





#56

Isopropylbenzene

Concen: 47.875 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

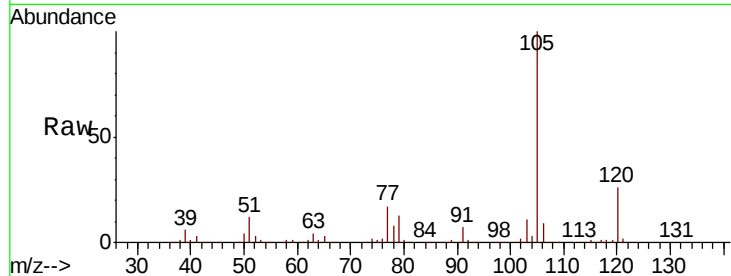
Tot Ion:105 Resp: 825793

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

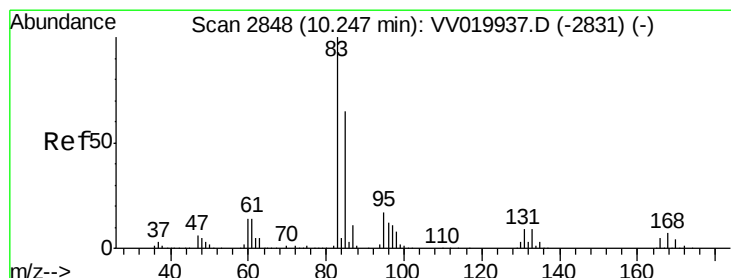
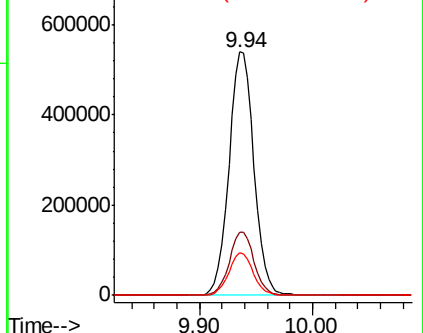
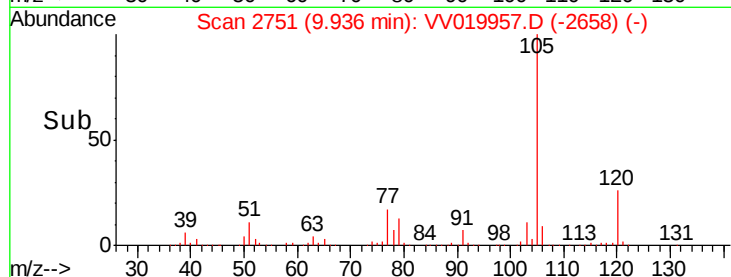
77 17.1 13.6 20.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 49.316 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

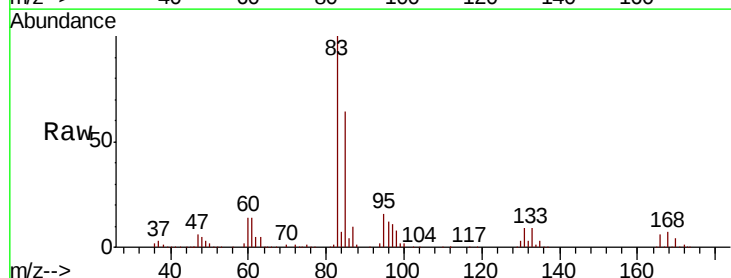
Tgt Ion: 83 Resp: 302760

Ion Ratio Lower Upper

83 100

85 63.9 44.3 82.3

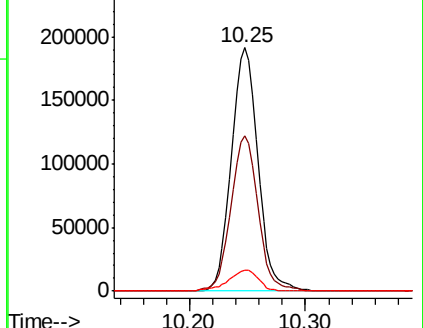
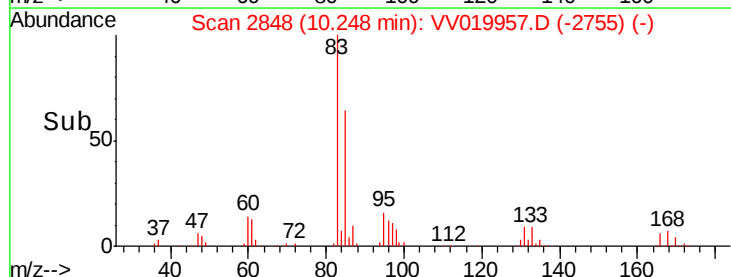
131 8.7 7.3 10.9

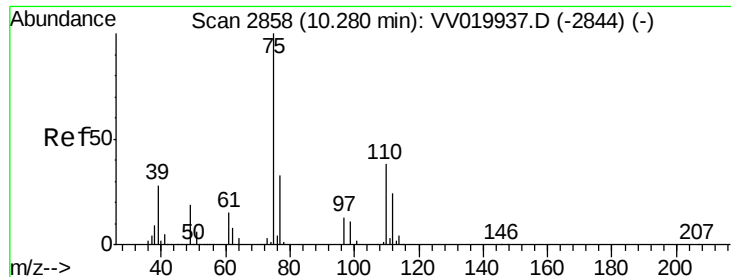


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.087 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

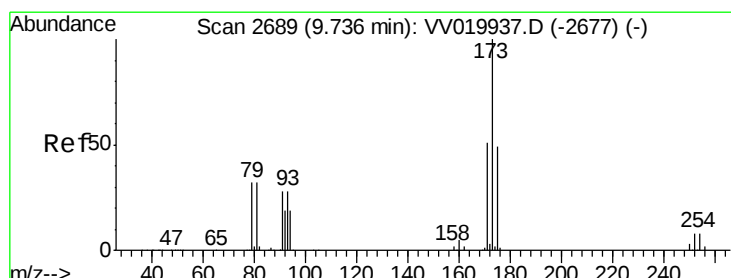
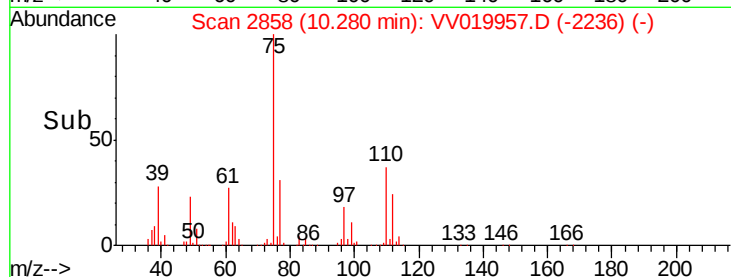
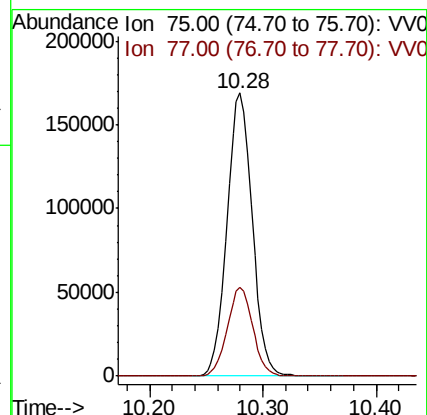
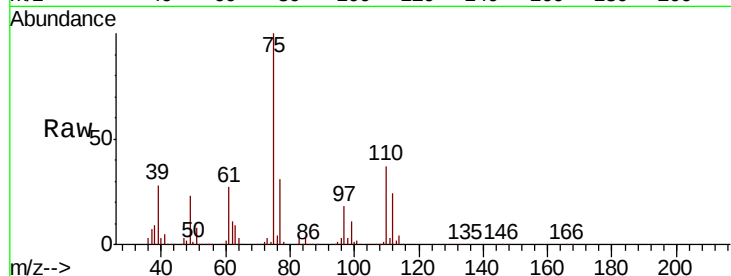
VSTD05081

Tot Ion: 75 Resp: 262956

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#61

Bromoform

Concen: 44.359 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

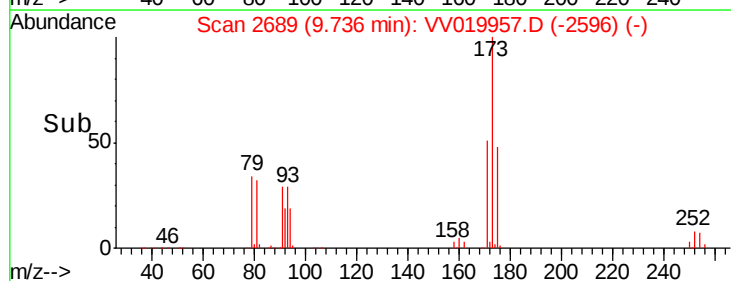
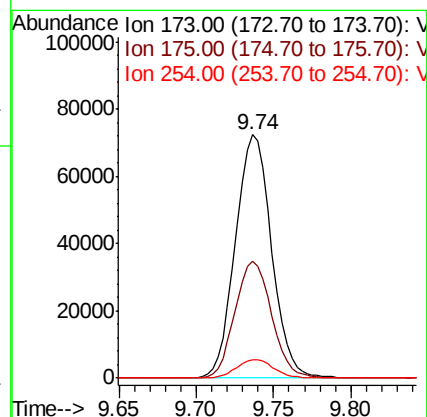
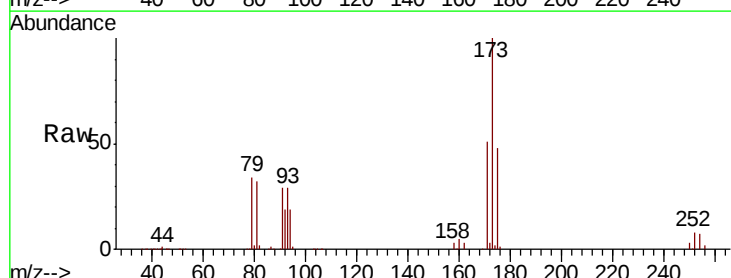
Tgt Ion: 173 Resp: 117500

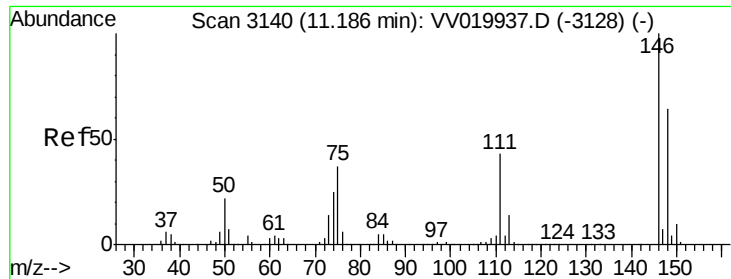
Ion Ratio Lower Upper

173 100

175 48.5 38.6 57.8

254 7.7 6.5 9.7

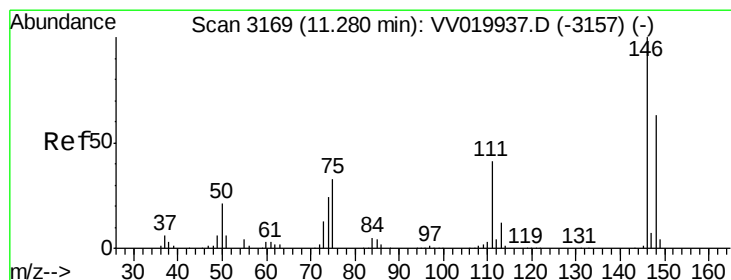
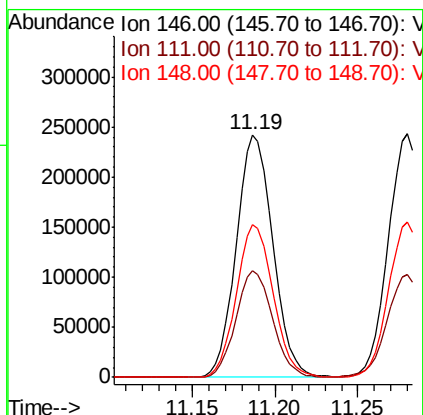
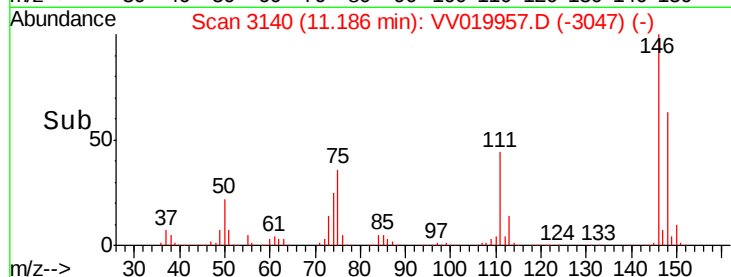
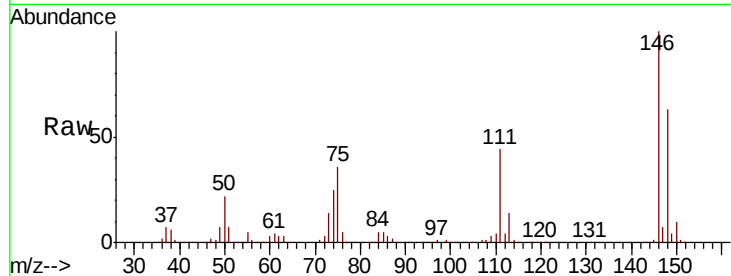




#62
 1,3-Dichlorobenzene
 Concen: 47.419 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

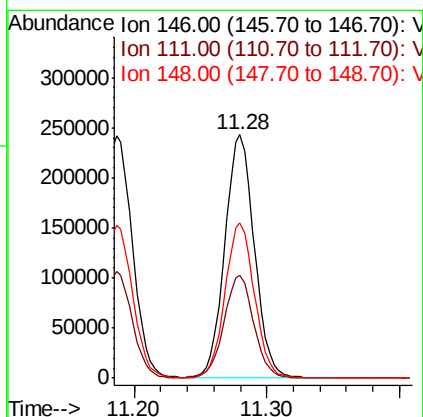
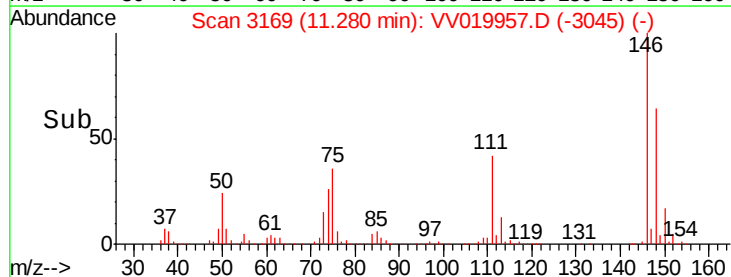
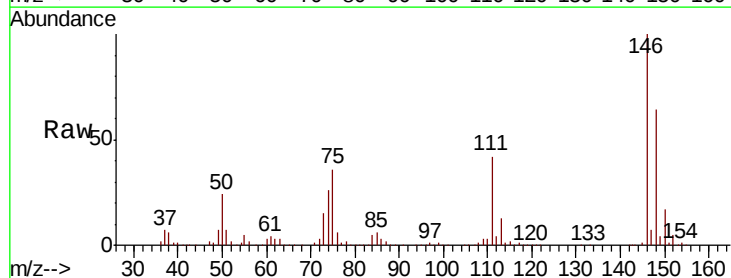
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

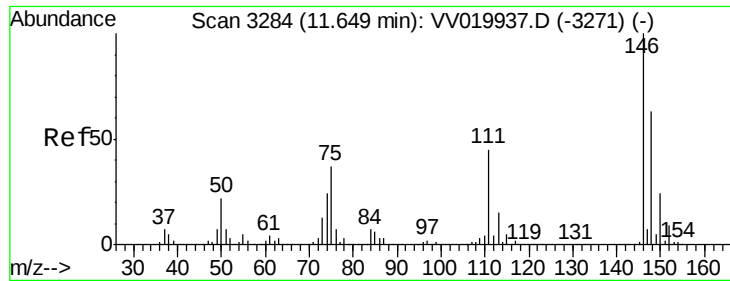
Tot Ion:146 Resp: 371793
 Ion Ratio Lower Upper
 146 100
 111 43.9 30.2 56.2
 148 63.0 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 46.555 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

Tgt Ion:146 Resp: 375420
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.4 54.6
 148 63.8 44.7 83.1

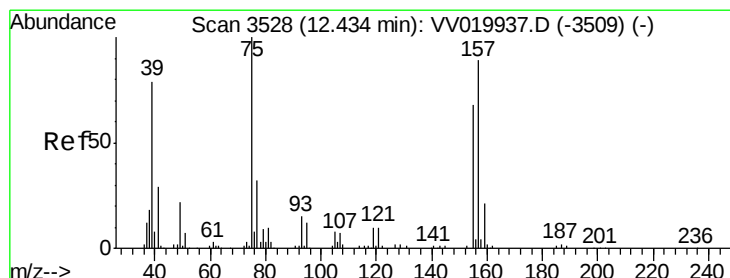
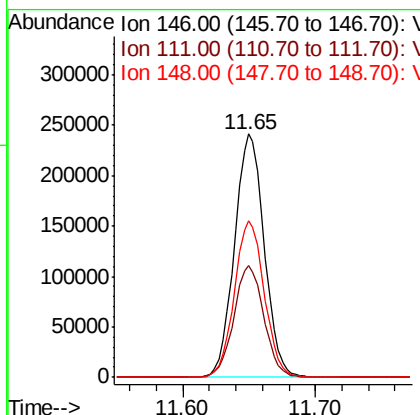
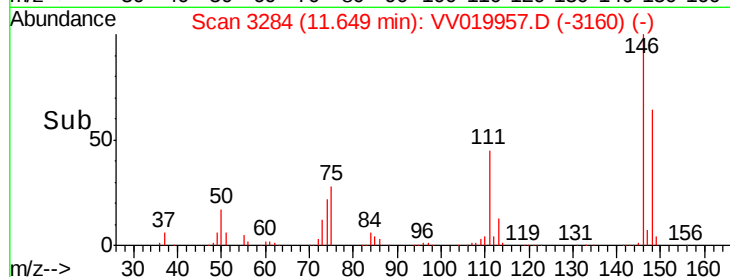
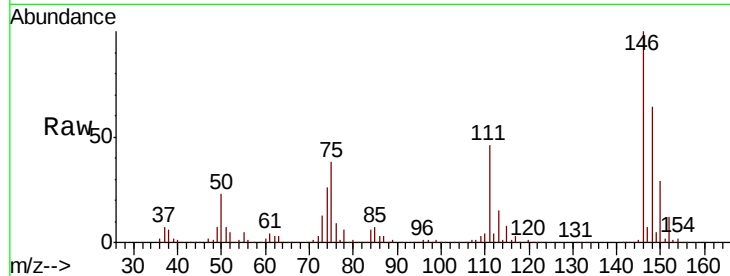




#65
 1,2-Dichlorobenzene
 Concen: 46.918 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

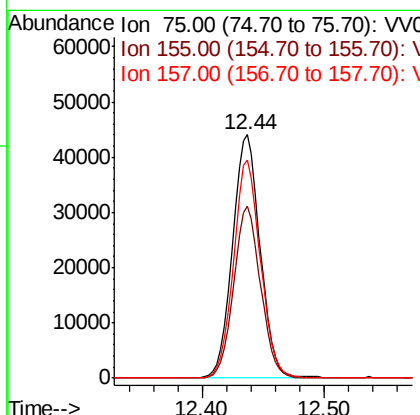
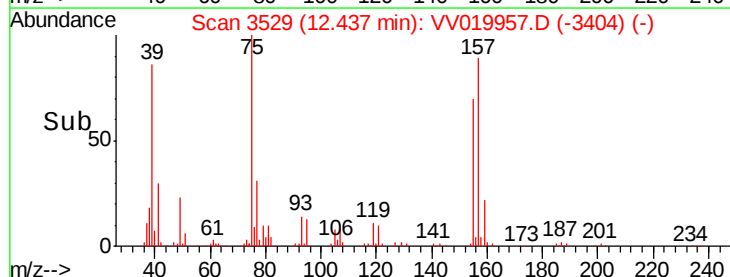
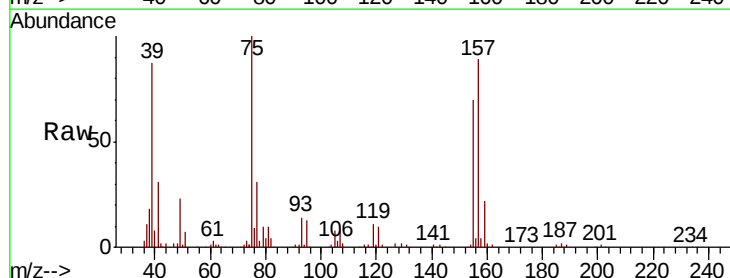
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

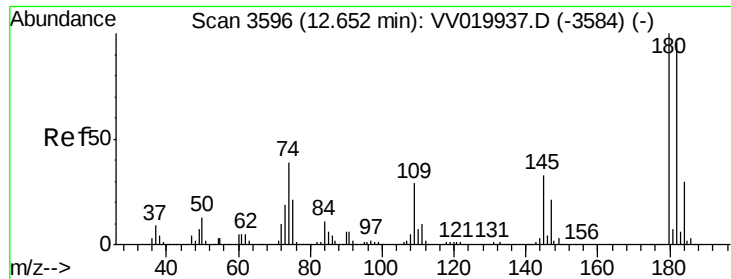
Tot Ion:146 Resp: 375511
 Ion Ratio Lower Upper
 146 100
 111 45.7 36.3 54.5
 148 64.2 51.7 77.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.441 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

Tgt Ion: 75 Resp: 69228
 Ion Ratio Lower Upper
 75 100
 155 70.5 59.1 88.7
 157 89.4 75.4 113.0

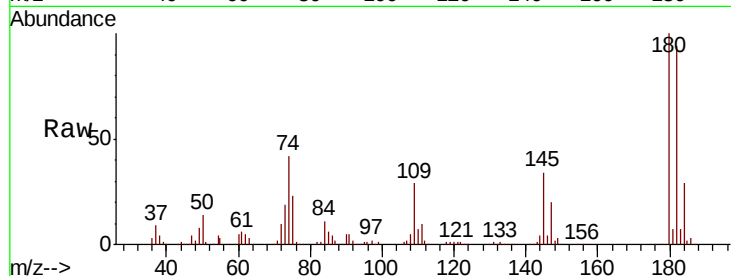




#67
 1,3,5-Trichlorobenzene
 Concen: 45.845 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion:180	Resp:	259337
Ion Ratio	Lower	Upper
180 100		
182 94.9	75.0	112.6
184 29.8	24.0	36.0
145 33.4	25.8	38.6



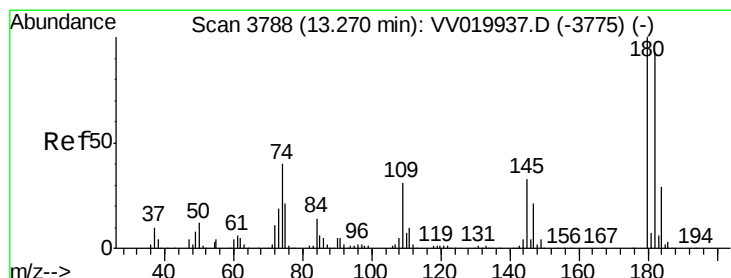
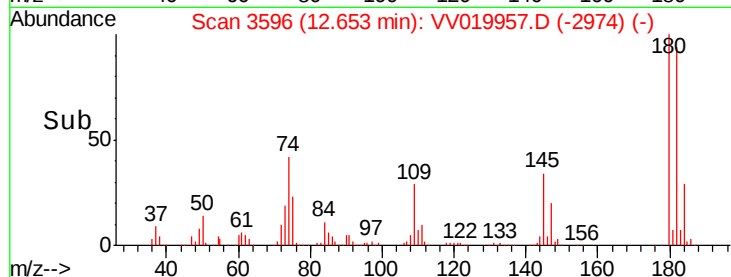
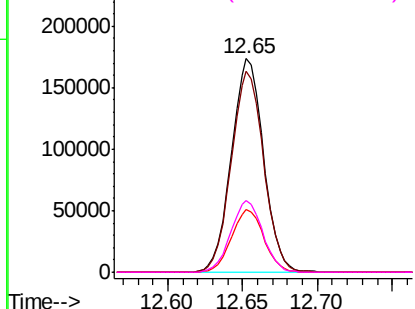
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

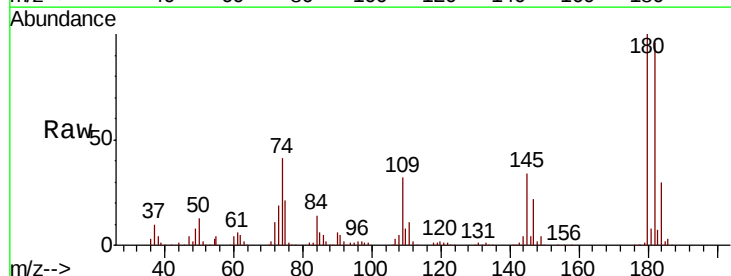
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.054 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019957.D
 Acq: 08 Jan 2021 19:09

Tgt Ion:180	Resp:	236994
Ion Ratio	Lower	Upper
180 100		
182 95.2	75.1	112.7
145 33.8	26.8	40.2

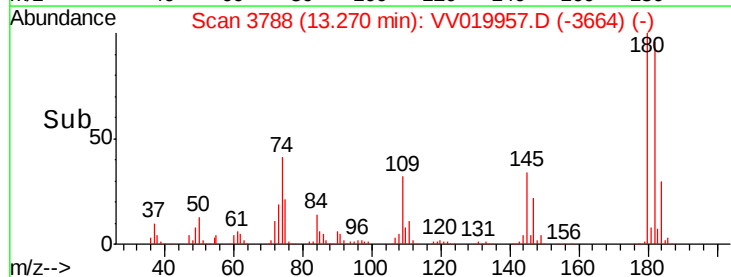
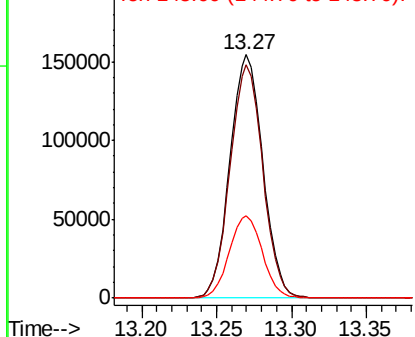


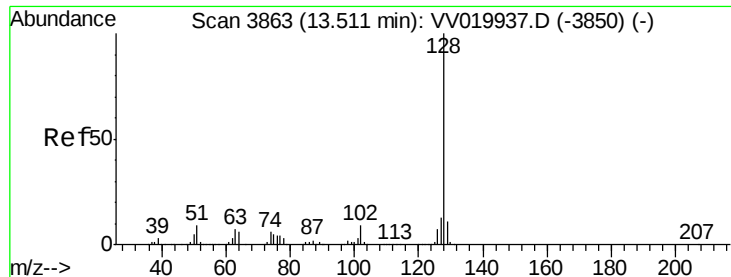
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.041 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

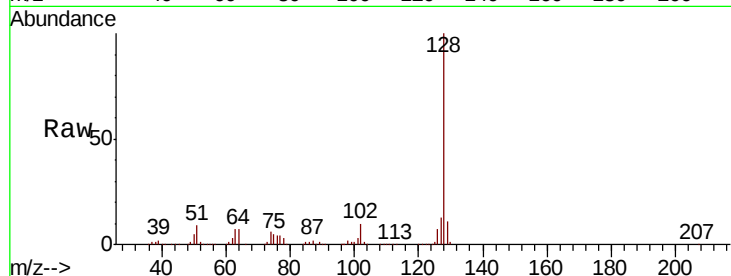
Tot Ion:128 Resp: 792758

Ion Ratio Lower Upper

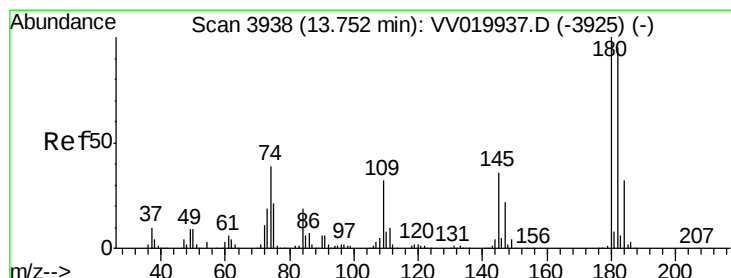
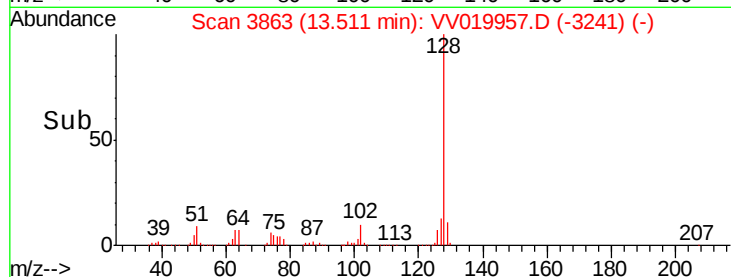
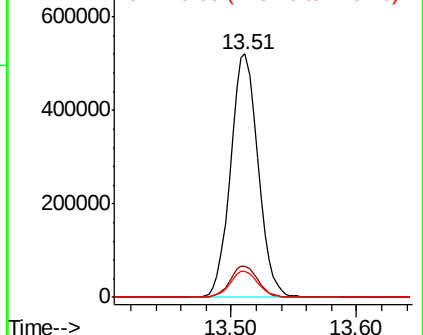
128 100

127 12.9 10.3 15.5

129 10.8 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 49.416 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019957.D

Acq: 08 Jan 2021 19:09

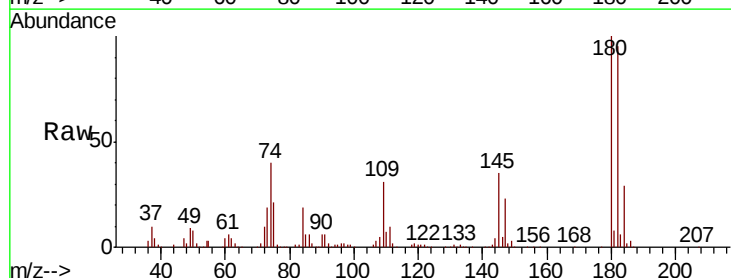
Tgt Ion:180 Resp: 241900

Ion Ratio Lower Upper

180 100

182 93.6 76.1 114.1

145 34.6 27.9 41.9



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

