

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041917.D
 Acq On : 11 Jan 2021 13:18
 Operator : SY/MD
 Sample : VSTD02006
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Quant Time: Jan 12 01:17:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 01:13:33 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129266	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119195	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65087	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	222658	20.42	ug/L	0.00
7) Chloroethane-d5	1.92	69	201222	19.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	425285	20.59	ug/L	0.00
20) 2-Butanone-d5	4.66	46	596541	197.02	ug/L	0.00
24) Chloroform-d	5.08	84	398142	20.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	203246	19.41	ug/L	0.00
32) Benzene-d6	5.74	84	758935	21.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	234413	21.19	ug/L	0.00
41) Toluene-d8	7.91	98	693938	21.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	104377	22.60	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	565080	241.88	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	208754	21.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	259002	21.04	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	251921	20.148	ug/L	100
3) Chloromethane	1.52	50	255269	18.765	ug/L	93
5) Vinyl chloride	1.61	62	305057	20.659	ug/L	98
6) Bromomethane	1.86	94	181262	20.299	ug/L	98
8) Chloroethane	1.94	64	178992	19.845	ug/L	99
9) Trichlorofluoromethane	2.14	101	394770	20.719	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	211501	20.400	ug/L	98
12) 1,1-Dichloroethene	2.59	96	204309	20.245	ug/L	97
13) Acetone	2.66	43	399680	209.802	ug/L #	43
14) Carbon disulfide	2.80	76	667161	21.187	ug/L	100
15) Methyl Acetate	2.97	43	98392	22.022	ug/L	99
16) Methylene chloride	3.06	84	225117	17.748	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	549335	22.698	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	212580	21.696	ug/L	99
19) 1,1-Dichloroethane	3.89	63	383935	20.879	ug/L	98
21) 2-Butanone	4.73	43	606296	198.692	ug/L	96
22) cis-1,2-Dichloroethene	4.68	96	217799	20.816	ug/L	100
23) Bromochloromethane	4.99	128	97707	20.010	ug/L	87
25) Chloroform	5.11	83	374125	19.519	ug/L	99
27) 1,2-Dichloroethane	5.81	62	242407	19.732	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	324401	20.855	ug/L	99
30) Cyclohexane	5.40	56	338829	23.250	ug/L	99
31) Carbon tetrachloride	5.54	117	288817	21.484	ug/L	98
33) Benzene	5.79	78	830444	21.615	ug/L	100
34) Trichloroethene	6.55	95	213687	21.191	ug/L	97
35) Methylcyclohexane	6.77	83	357181	24.097	ug/L	97
37) 1,2-Dichloropropane	6.80	63	208424	21.757	ug/L	100
38) Bromodichloromethane	7.11	83	272786	21.279	ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	320476	22.656	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	1376663	226.350	ug/L	100

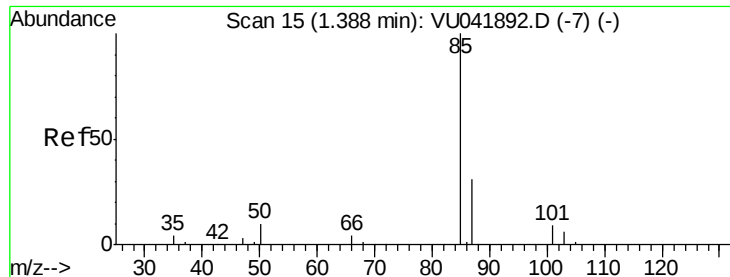
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
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Quant Time: Jan 12 01:17:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 01:13:33 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	896250	22.580	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	292139	23.346	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	157670	21.467	ug/L	97
47) Tetrachloroethene	8.56	164	155701	22.189	ug/L	99
48) 2-Hexanone	8.69	43	1020641	227.652	ug/L	99
49) Dibromochloromethane	8.82	129	192679	21.556	ug/L	99
50) 1,2-Dibromoethane	8.93	107	151464	21.875	ug/L	98
51) Chlorobenzene	9.45	112	550281	22.024	ug/L	99
52) Ethylbenzene	9.57	91	981073	23.466	ug/L	100
53) m,p-Xylene	9.69	106	370480	23.937	ug/L	98
54) o-Xylene	10.10	106	354988	23.733	ug/L	91
55) Styrene	10.11	104	632276	24.317	ug/L	99
56) Isopropylbenzene	10.48	105	961820	23.947	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	206772	21.542	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	147655	21.103	ug/L	97
61) Bromoform	10.29	173	113101	20.512	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	441369	21.372	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	440197	21.237	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	422920	21.274	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	38422	21.282	ug/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	330575	21.924	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	283091	24.910	ug/L	97
69) Naphthalene	14.07	128	554660	28.781	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	260350	24.231	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 20.148 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

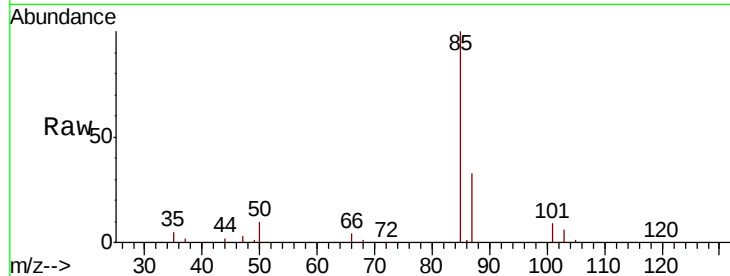
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion: 85 Resp: 251921

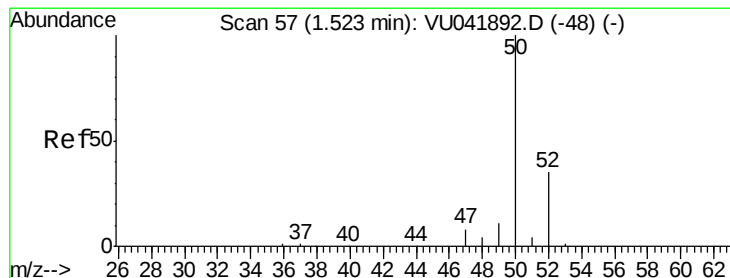
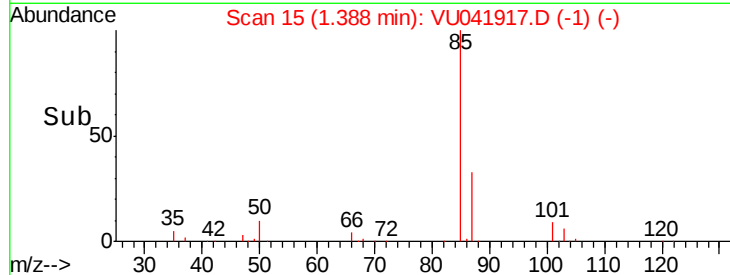
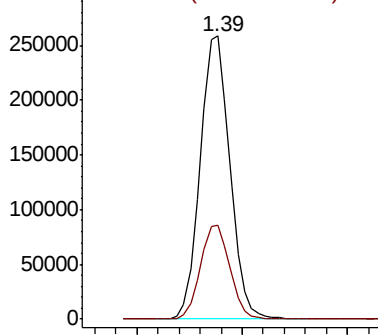
Ion Ratio Lower Upper

85 100

87 33.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 18.765 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041917.D

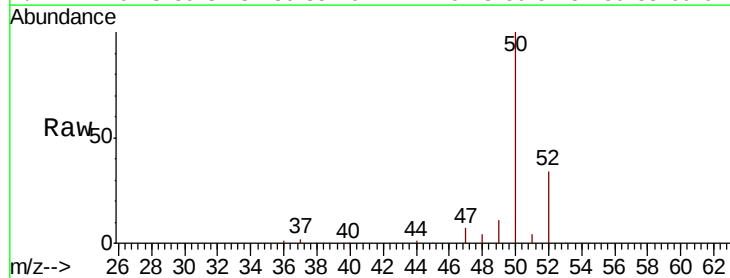
Acq: 11 Jan 2021 13:18

Tgt Ion: 50 Resp: 255269

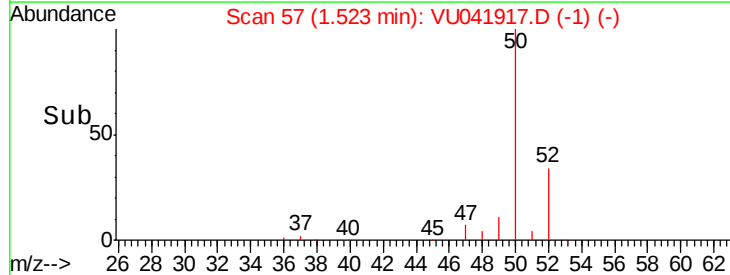
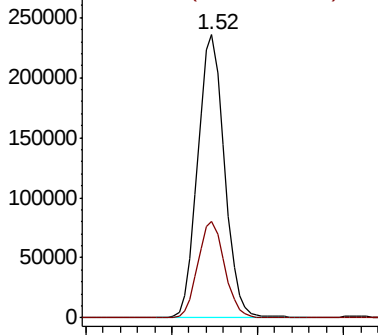
Ion Ratio Lower Upper

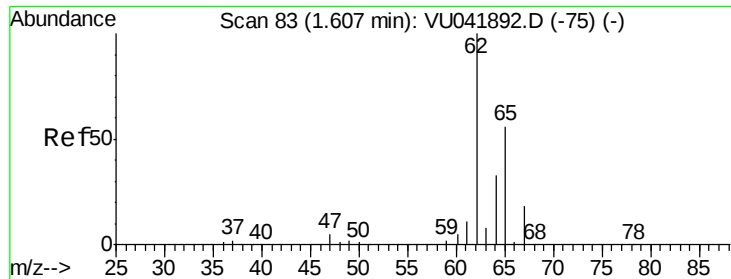
50 100

52 34.3 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 20.659 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

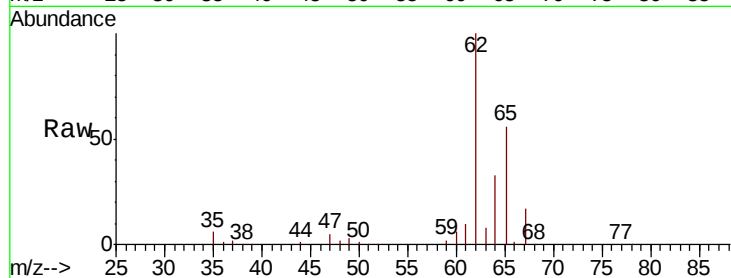
VSTD02006

Tot Ion: 62 Resp: 305057

Ion Ratio Lower Upper

62 100

64 32.6 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

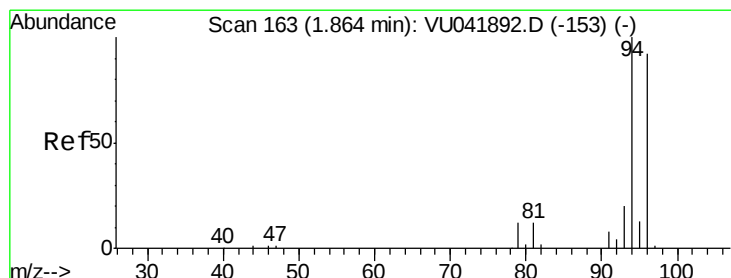
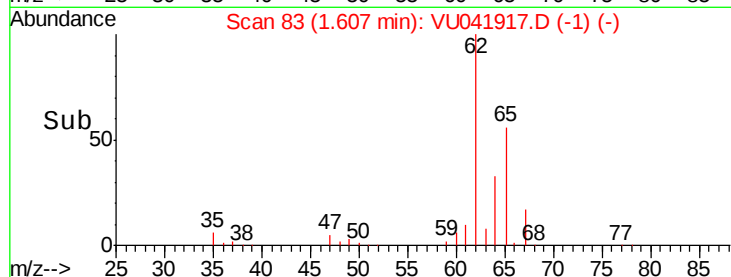
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 20.299 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041917.D

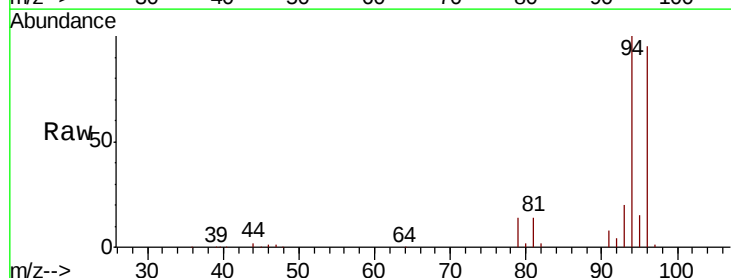
Acq: 11 Jan 2021 13:18

Tgt Ion: 94 Resp: 181262

Ion Ratio Lower Upper

94 100

96 95.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

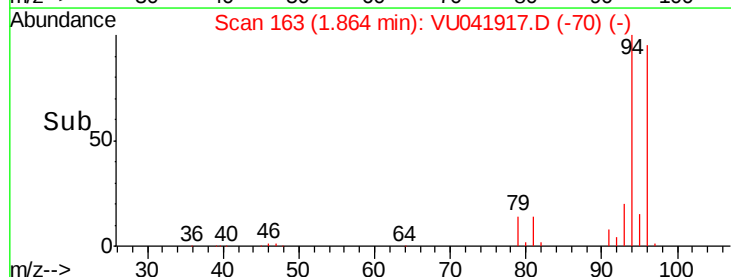
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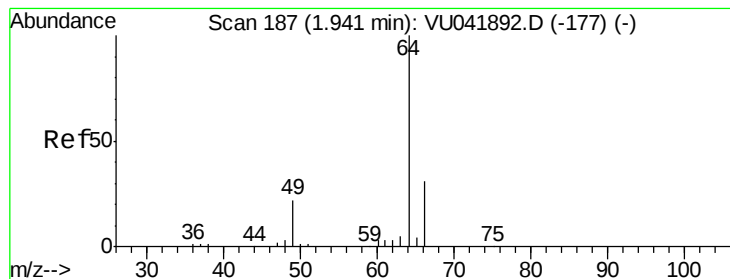
100000

50000

0

Time-->





#8

Chloroethane

Concen: 19.845 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

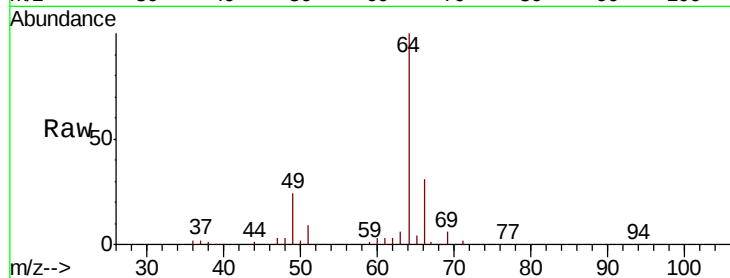
VSTD02006

Tot Ion: 64 Resp: 178992

Ion Ratio Lower Upper

64 100

66 31.3 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU041892.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041892.D (-177) (-)

1.94

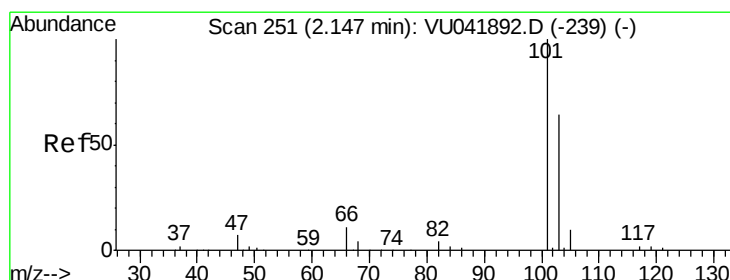
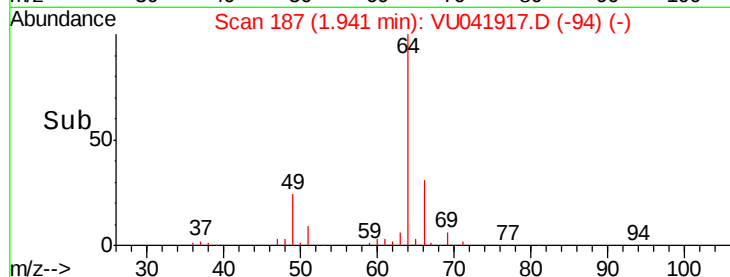
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 20.719 ug/L

RT: 2.14 min Scan# 250

Delta R.T. 0.00 min

Lab File: VU041917.D

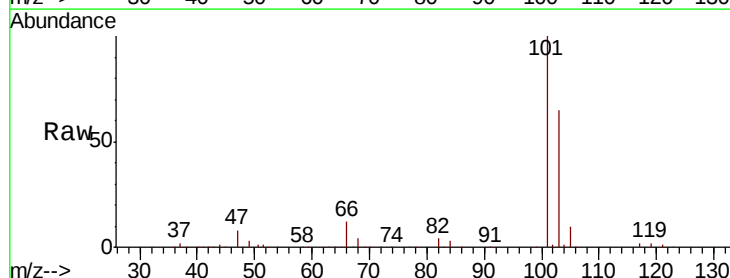
Acq: 11 Jan 2021 13:18

Tgt Ion: 101 Resp: 394770

Ion Ratio Lower Upper

101 100

103 65.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU041892.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041892.D (-239) (-)

2.14

300000

250000

200000

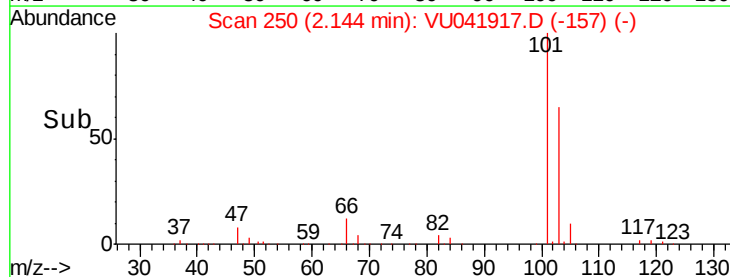
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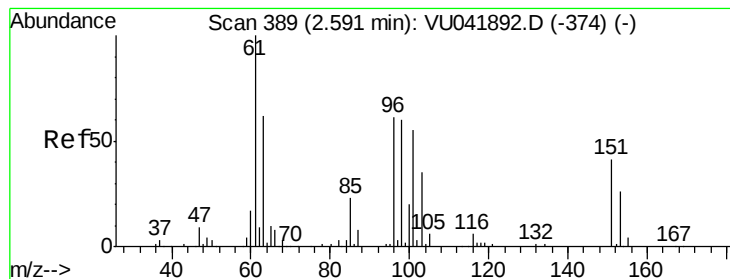
100000

50000

0

Time-->





#10

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

Concen: 20.400 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

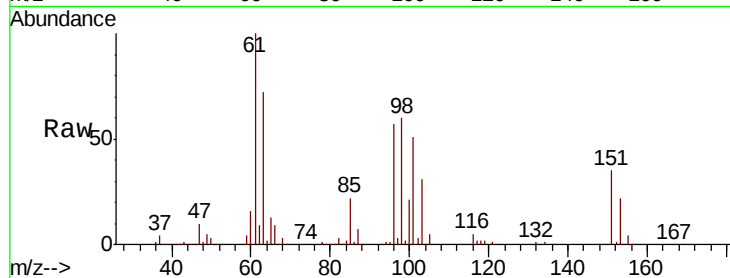
Tot Ion:101 Resp: 211501

Ion Ratio Lower Upper

101 100

85 43.1 35.1 52.7

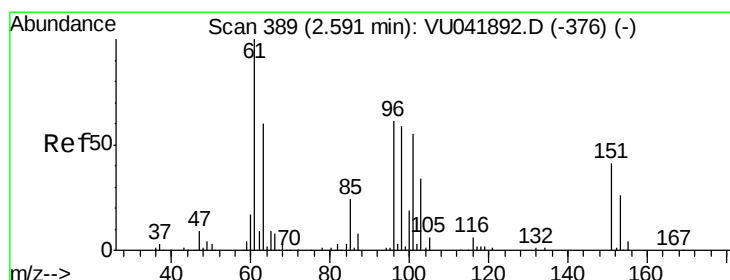
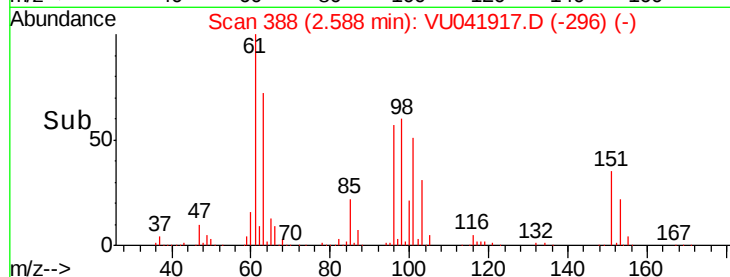
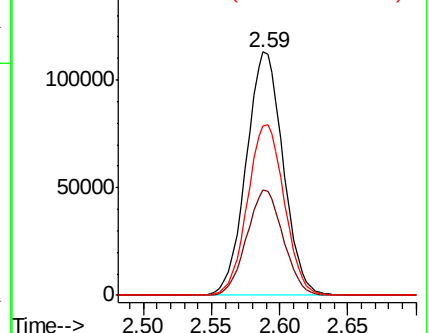
151 70.2 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 20.245 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

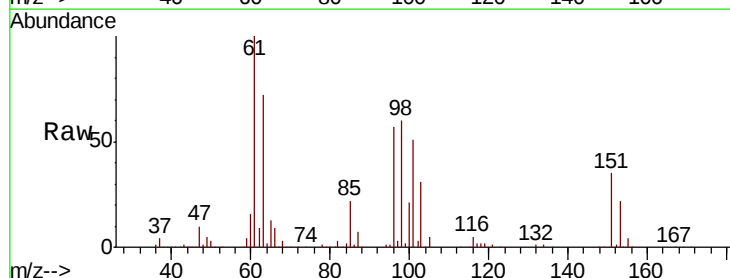
Tgt Ion: 96 Resp: 204309

Ion Ratio Lower Upper

96 100

61 176.3 123.5 229.4

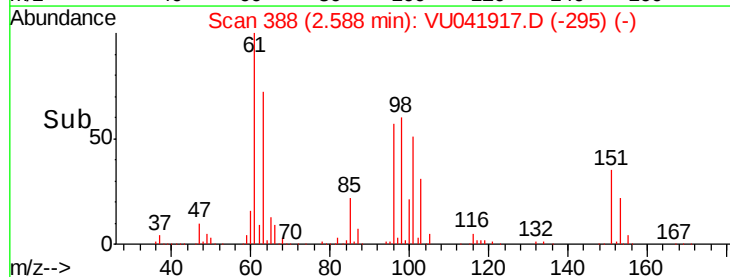
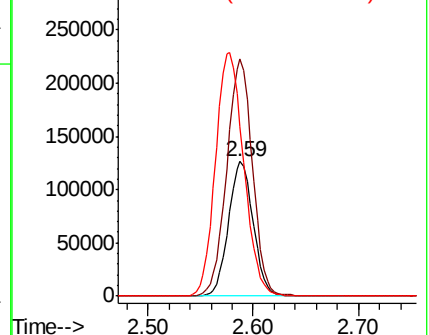
63 126.1 93.5 173.7

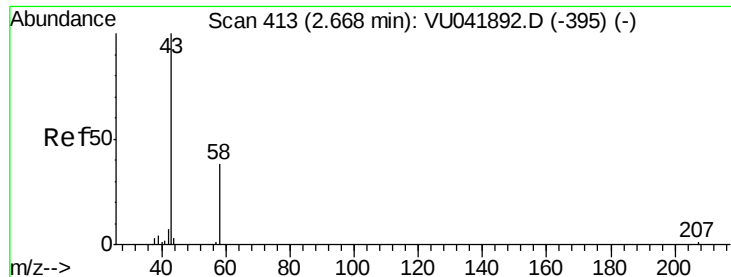


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 209.802 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

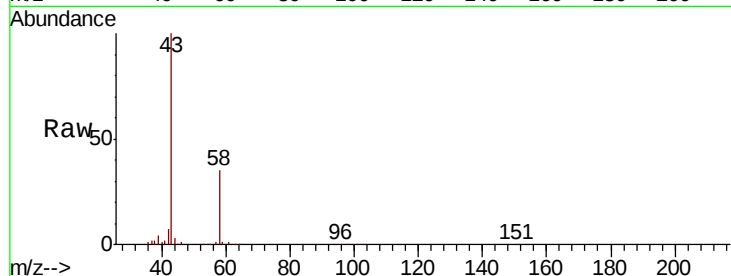
VSTD02006

Tot Ion: 43 Resp: 399680

Ion Ratio Lower Upper

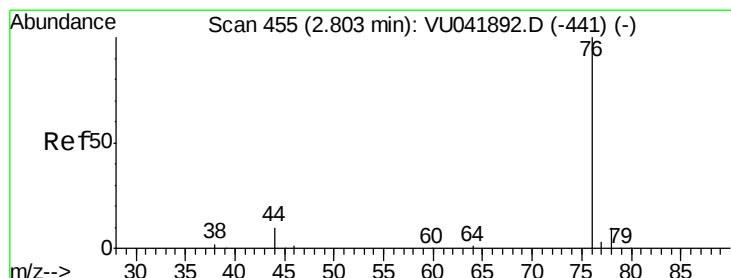
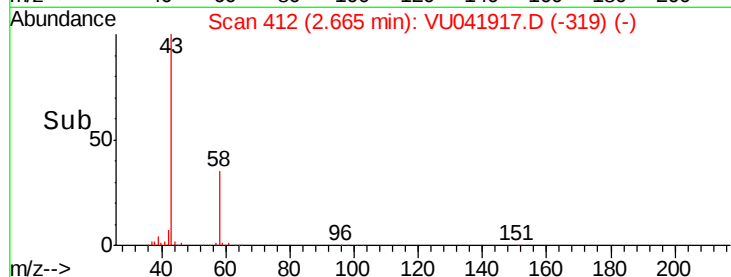
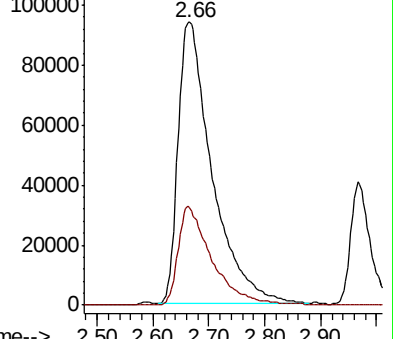
43 100

58 34.0 0.0 23.6#



Abundance Ion 43.05 (42.75 to 43.75): VU041917.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU041917.D (-319) (-)



#14

Carbon disulfide

Concen: 21.187 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041917.D

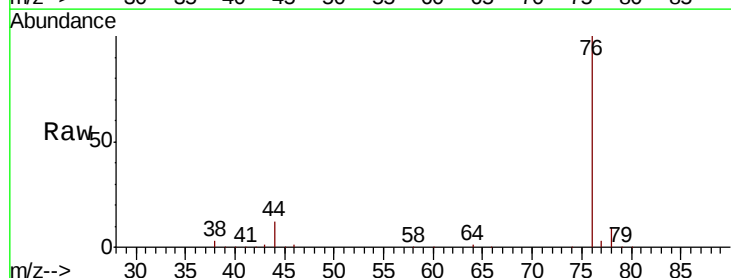
Acq: 11 Jan 2021 13:18

Tgt Ion: 76 Resp: 667161

Ion Ratio Lower Upper

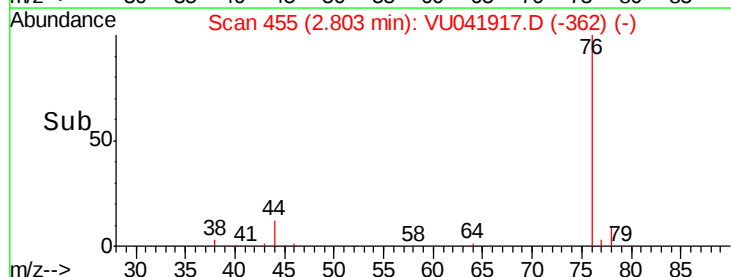
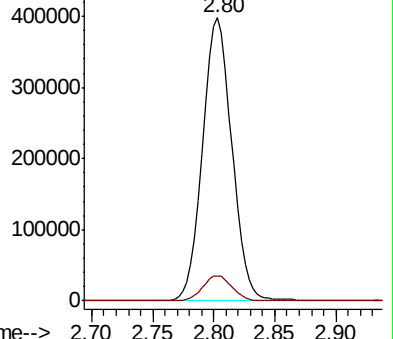
76 100

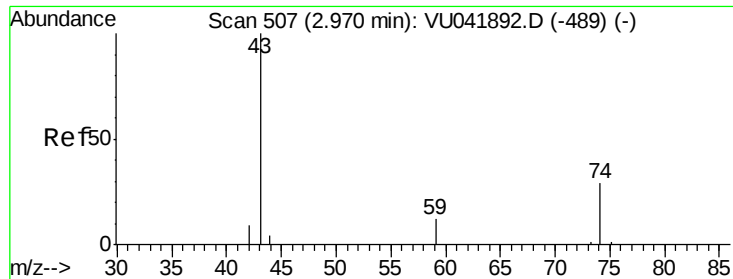
78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU041917.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU041917.D (-362) (-)

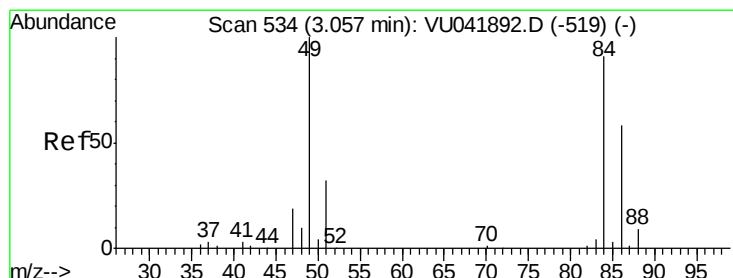
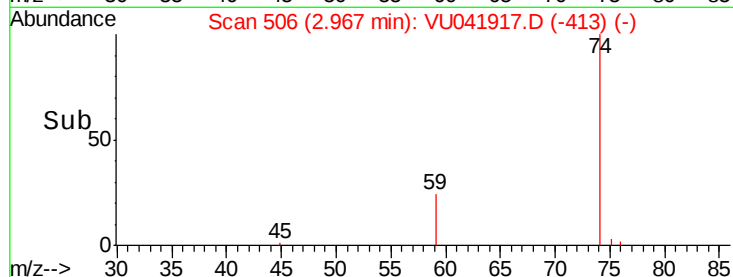
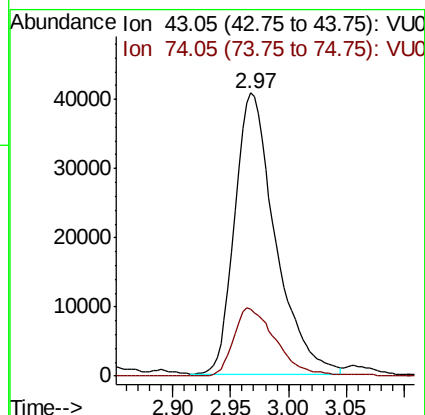
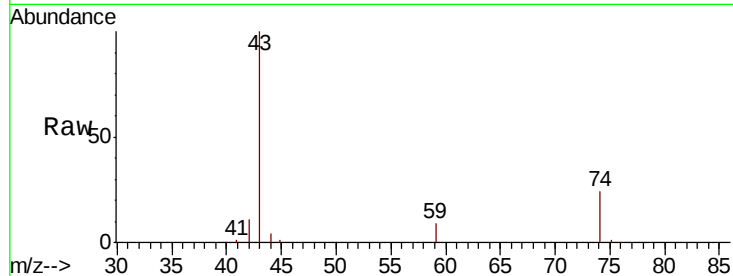




#15
Methvl Acetate
Concen: 22.022 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

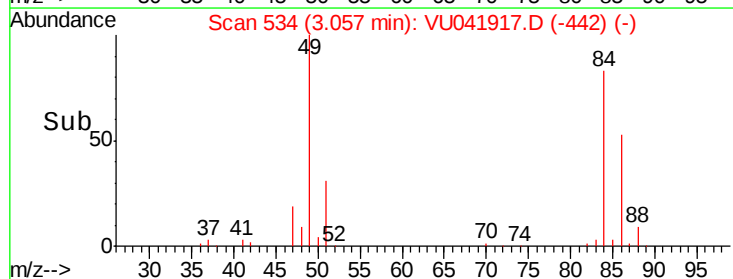
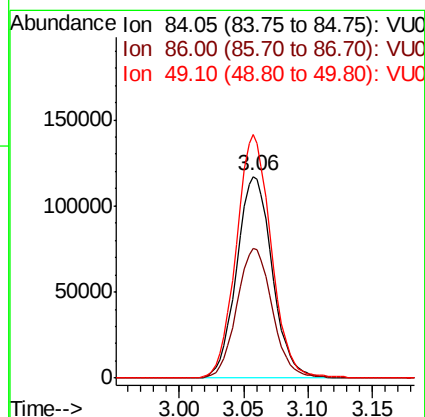
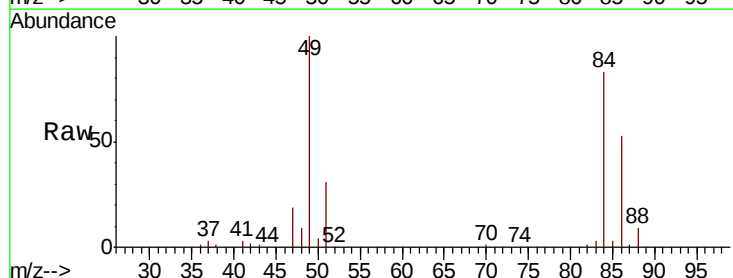
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

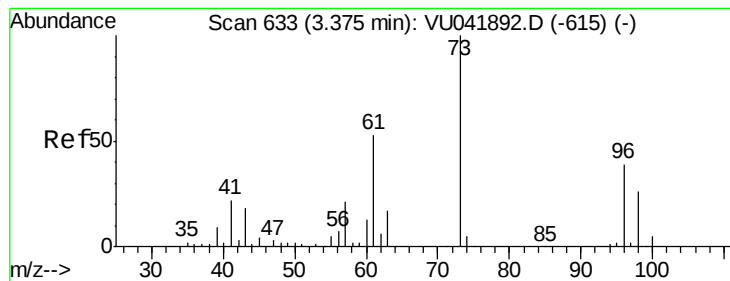
Tot Ion: 43 Resp: 98392
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.8



#16
Methylene chloride
Concen: 17.748 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

Tgt Ion: 84 Resp: 225117
Ion Ratio Lower Upper
84 100
86 64.3 43.5 80.7
49 120.7 81.8 151.8



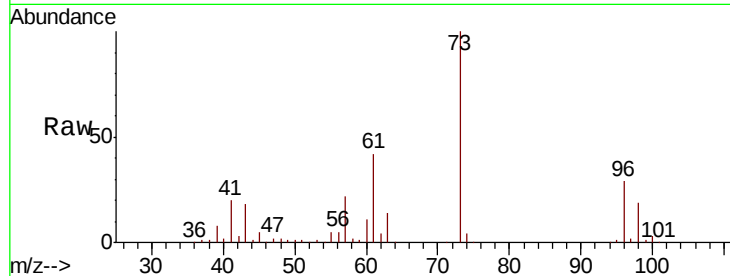


#17

Methvl tert-butvl Ether
 Concen: 22.698 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion	73	Resp	549335
Ion	Ratio	Lower	Upper
73	100		
43	18.3	15.8	23.8
57	22.5	18.3	27.5

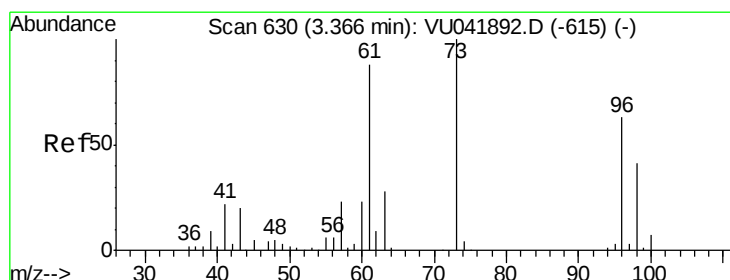
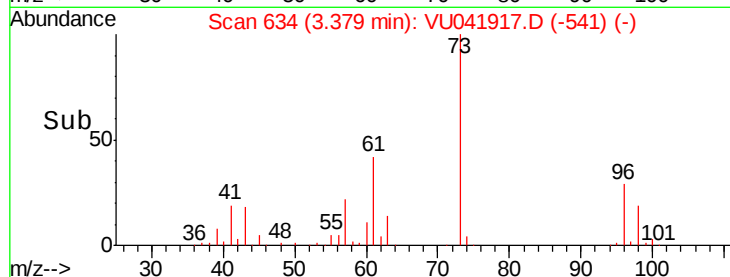
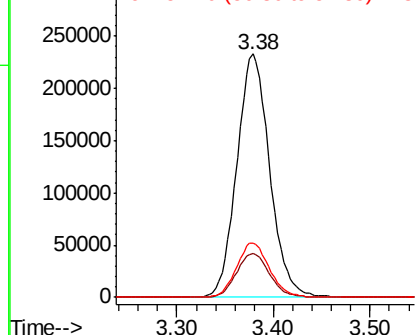


Abundance

Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

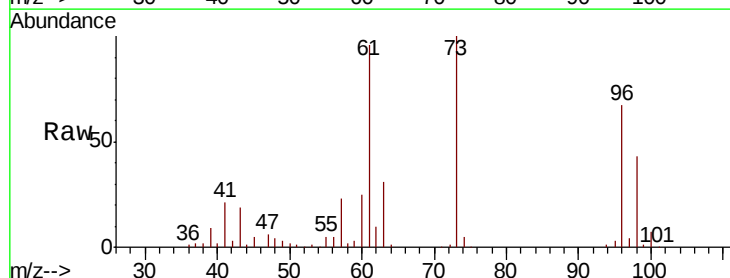
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene
 Concen: 21.696 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion	96	Resp	212580
Ion	Ratio	Lower	Upper
96	100		
61	144.2	100.7	187.1
98	63.6	43.0	80.0

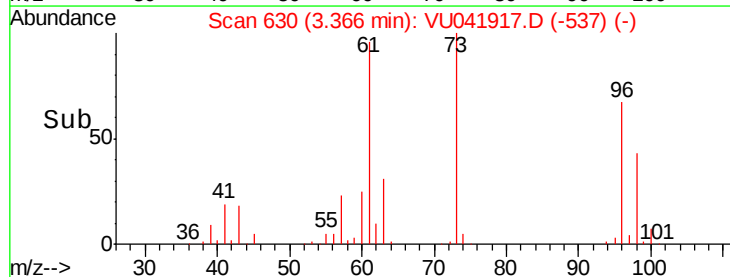
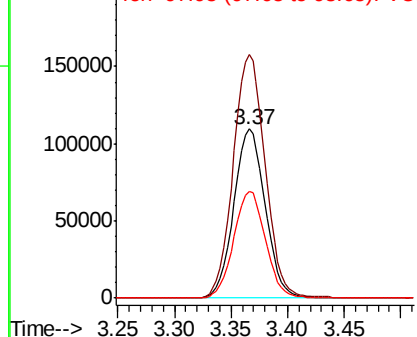


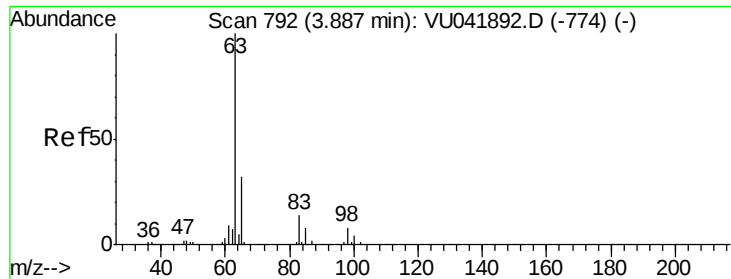
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

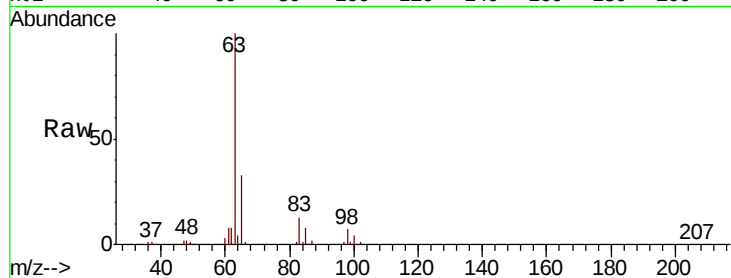




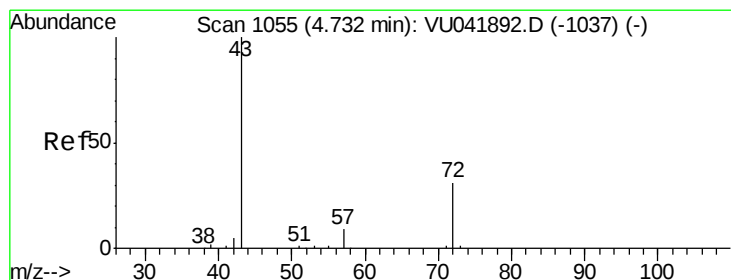
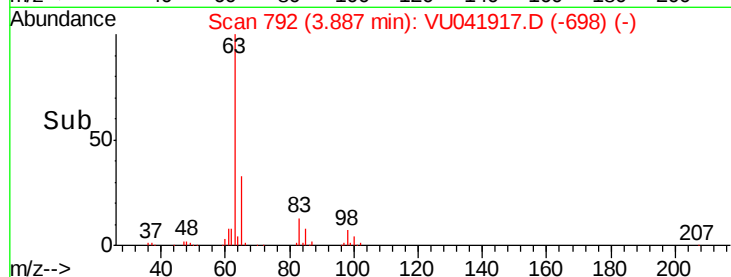
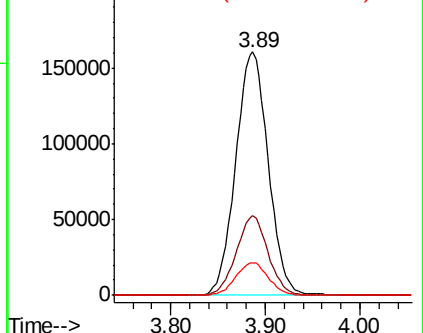
#19
 1,1-Dichloroethane
 Concen: 20.879 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.3	41.5
83	13.4	9.0	16.8

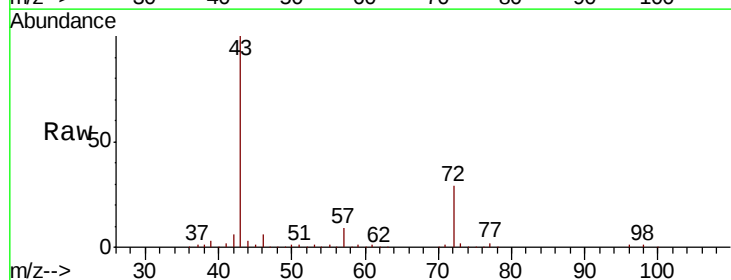


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

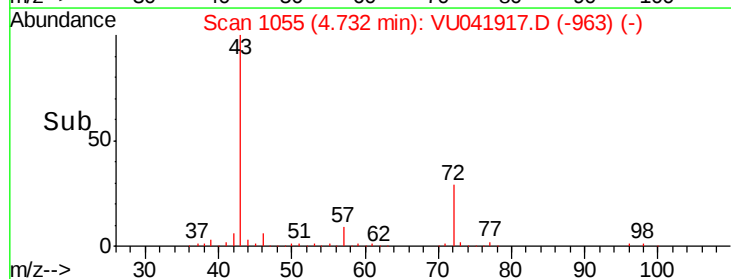
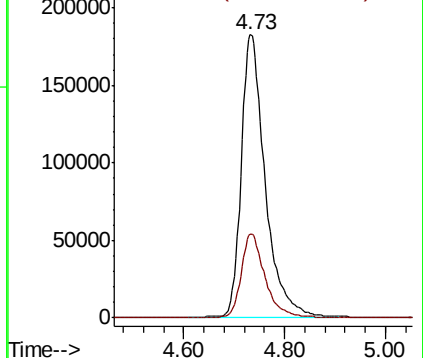


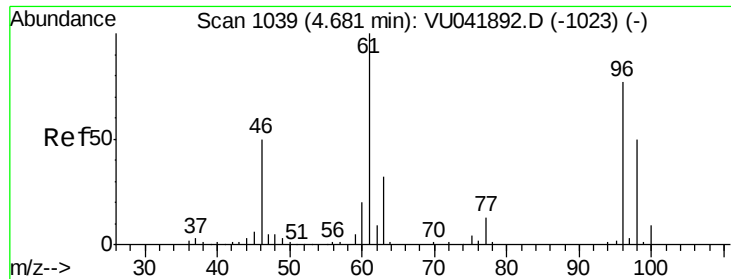
#21
 2-Butanone
 Concen: 198.692 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.3	13.6	40.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

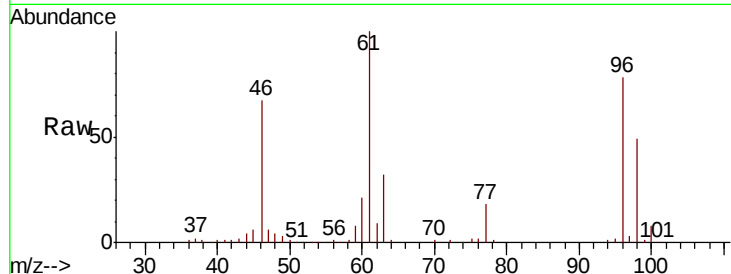




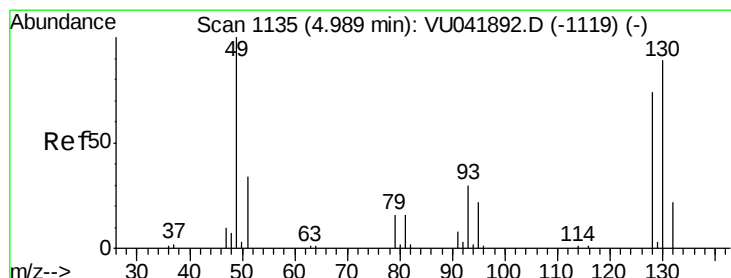
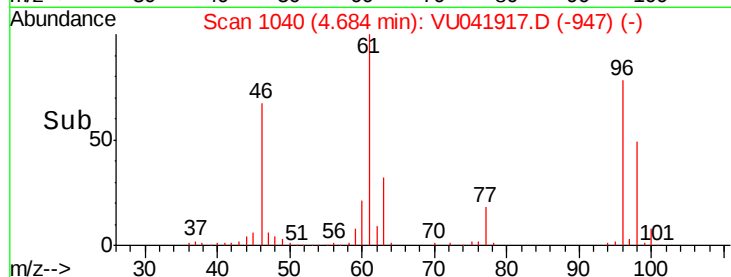
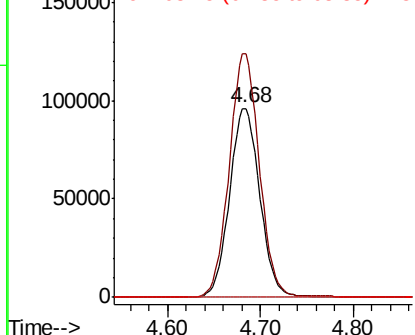
#22
 cis-1,2-Dichloroethene
 Concen: 20.816 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion: 96 Resp: 217799
 Ion Ratio Lower Upper
 96 100
 61 128.6 90.3 167.7
 68 0.0 0.0 0.0



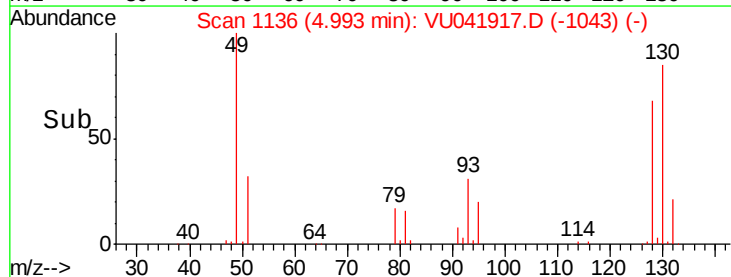
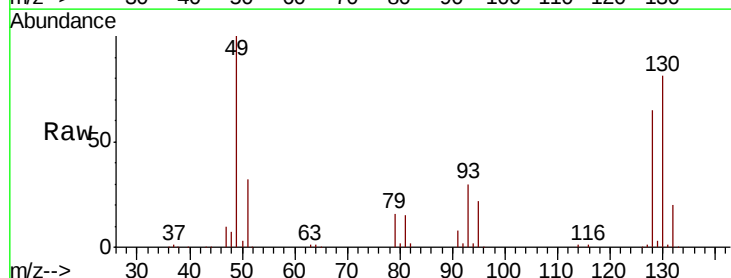
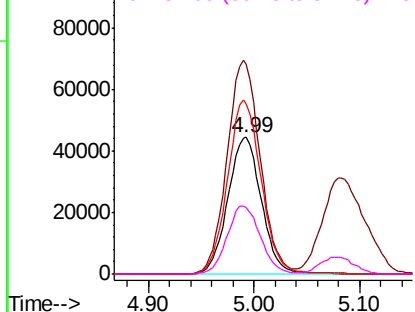
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

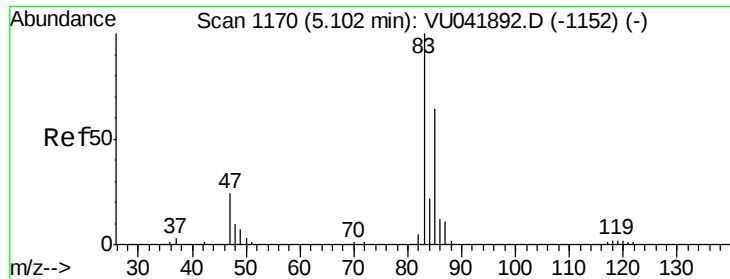


#23
 Bromochloromethane
 Concen: 20.010 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion: 128 Resp: 97707
 Ion Ratio Lower Upper
 128 100
 49 153.2 124.0 230.4
 130 124.5 94.0 174.6
 51 48.3 45.0 67.4

Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

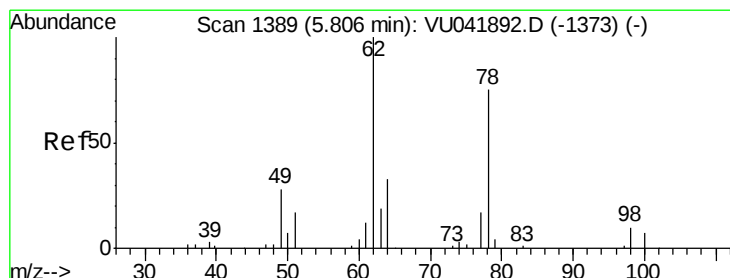
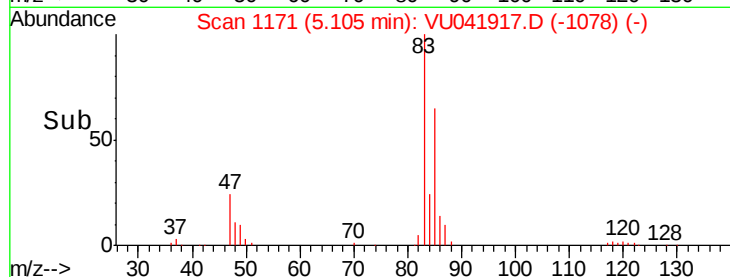
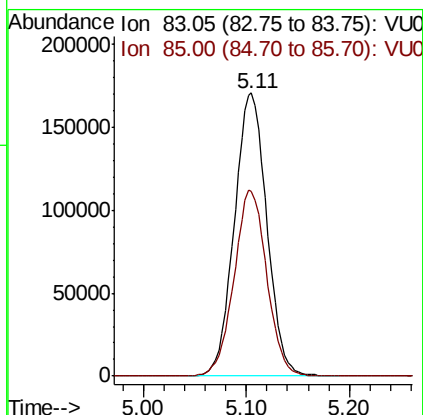
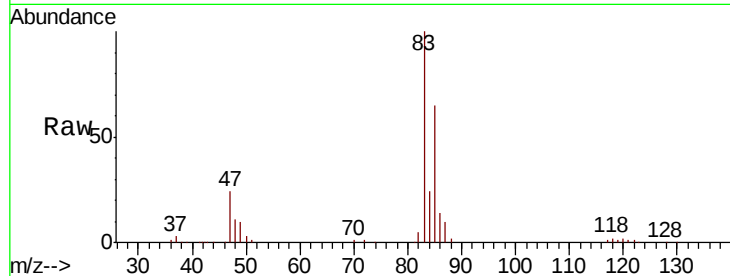




#25
Chloroform
Concen: 19.519 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

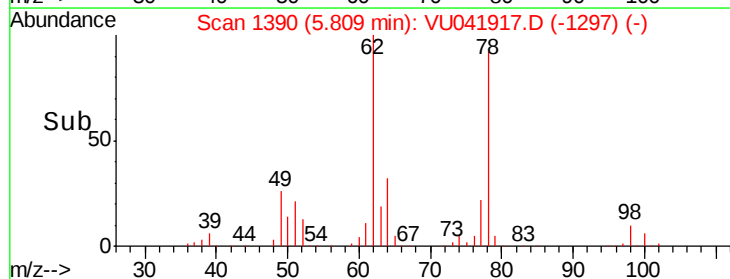
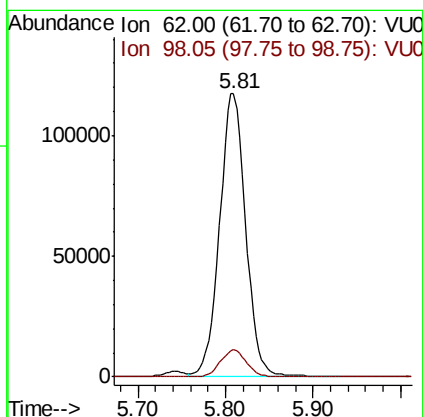
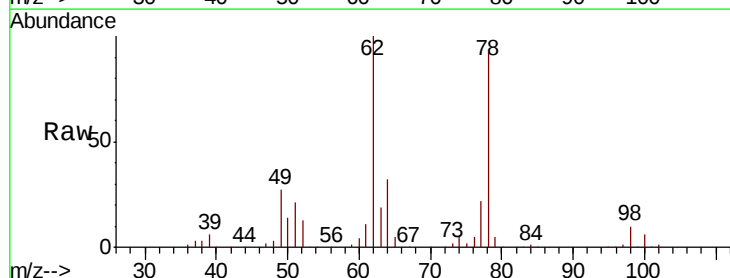
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

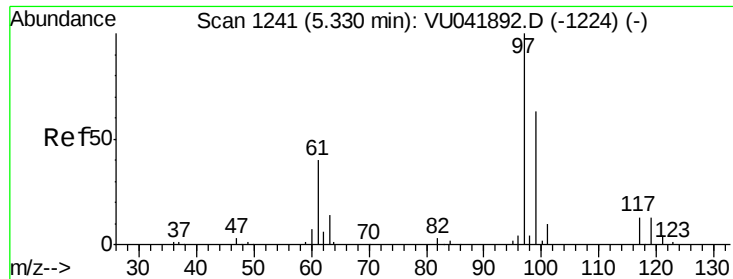
Tot Ion: 83 Resp: 374125
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 19.732 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

Tgt Ion: 62 Resp: 242407
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.8

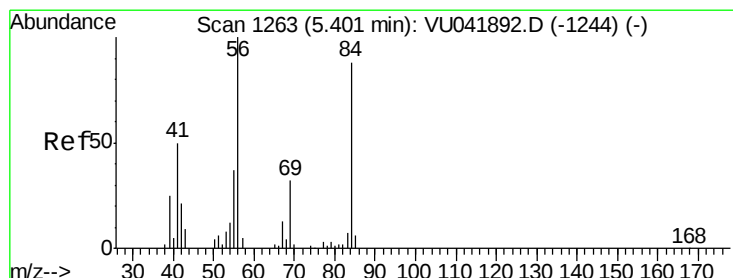
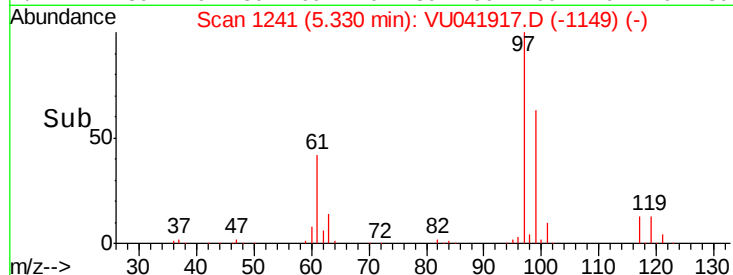
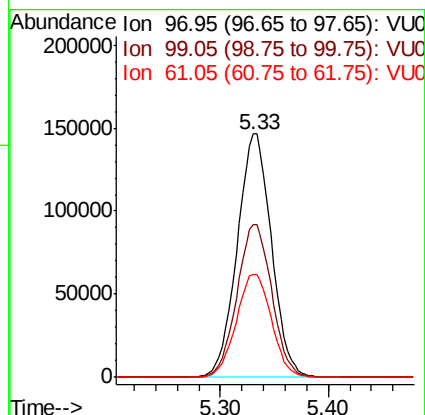
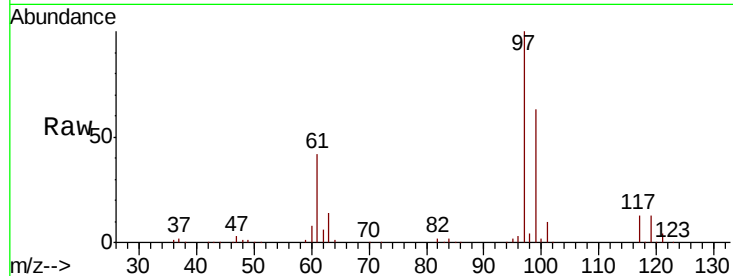




#29
 1,1,1-Trichloroethane
 Concen: 20.855 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

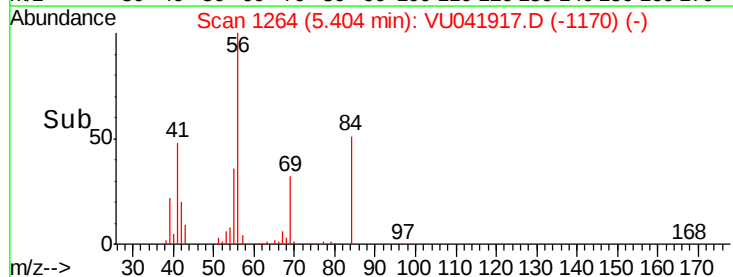
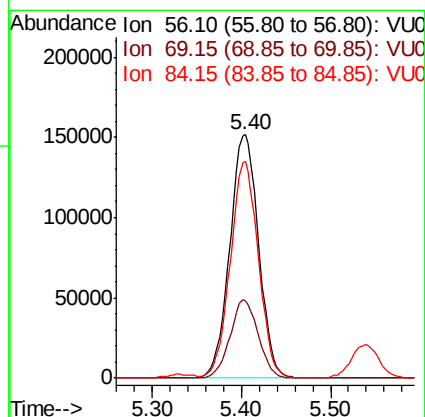
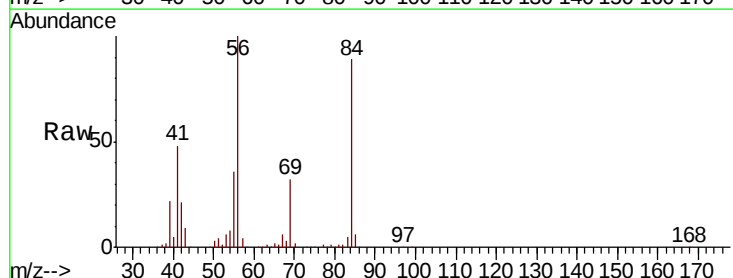
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

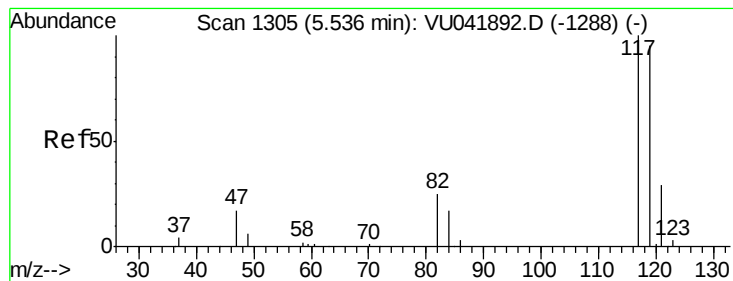
Tot Ion: 97 Resp: 324401
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.4 77.2
 61 43.6 35.3 52.9



#30
 Cyclohexane
 Concen: 23.250 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion: 56 Resp: 338829
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.4 36.6
 84 86.4 69.8 104.6





#31

Carbon tetrachloride

Concen: 21.484 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

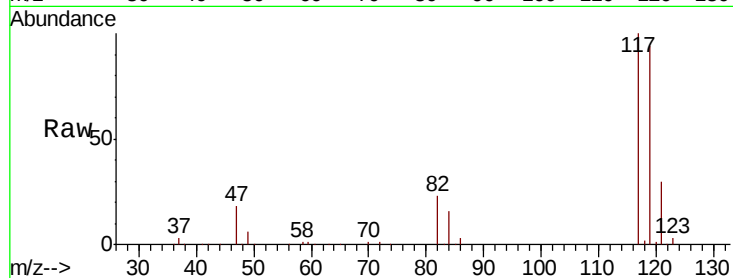
VSTD02006

Tot Ion:117 Resp: 288817

Ion Ratio Lower Upper

117 100

119 95.9 75.0 112.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

150000

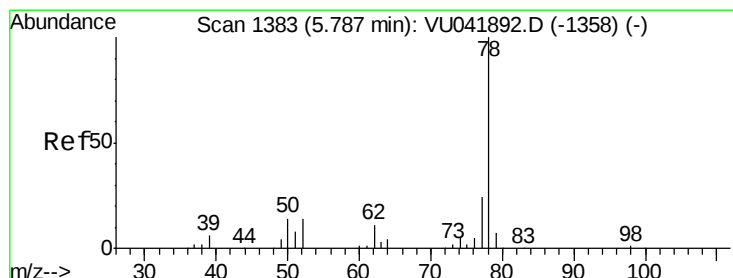
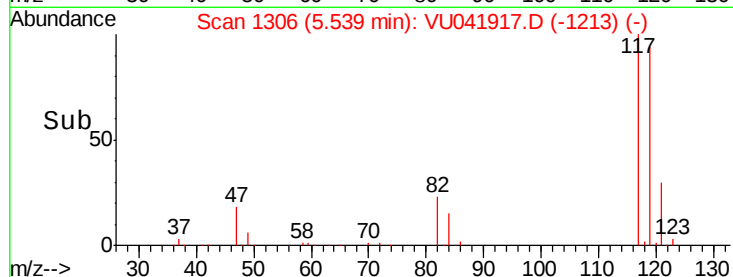
100000

50000

0

Time-->

5.50 5.60



#33

Benzene

Concen: 21.615 ug/L

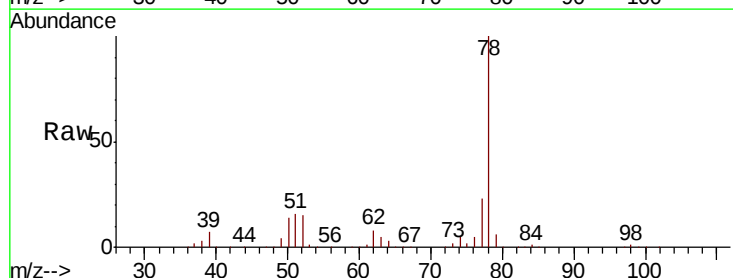
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Tgt Ion: 78 Resp: 830444



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

400000

300000

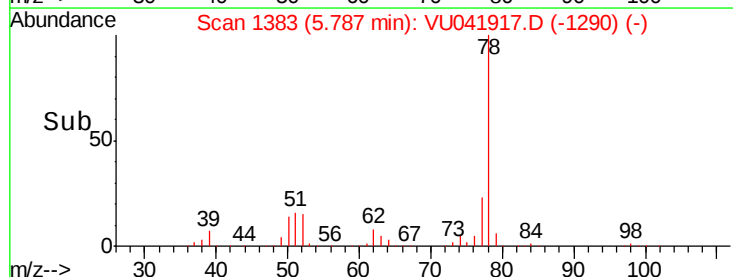
200000

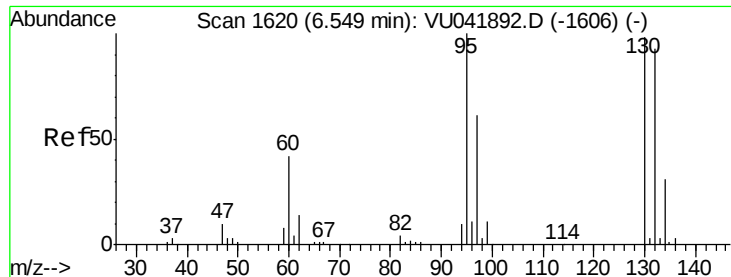
100000

0

Time-->

5.70 5.80 5.90

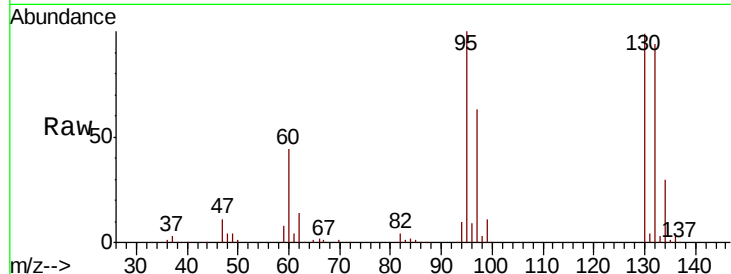




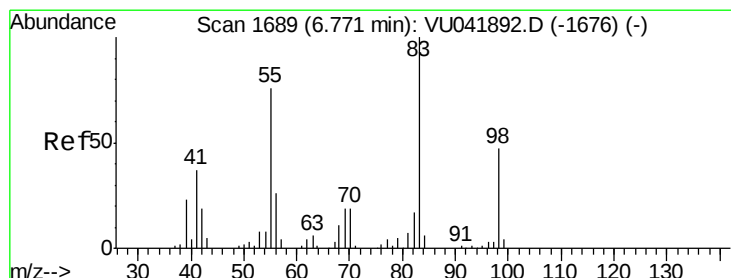
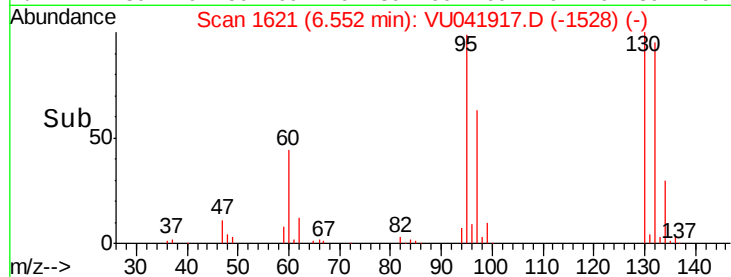
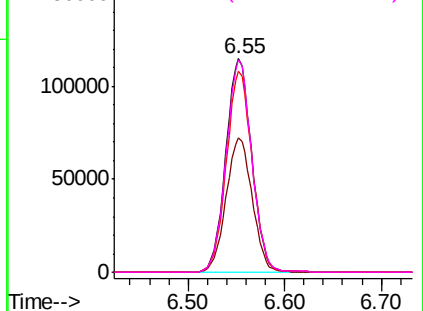
#34
 Trichloroethene
 Concen: 21.191 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion: 95 Resp: 213687
 Ion Ratio Lower Upper
 95 100
 97 62.7 45.2 84.0
 132 94.2 68.7 127.5
 130 99.2 68.0 126.4

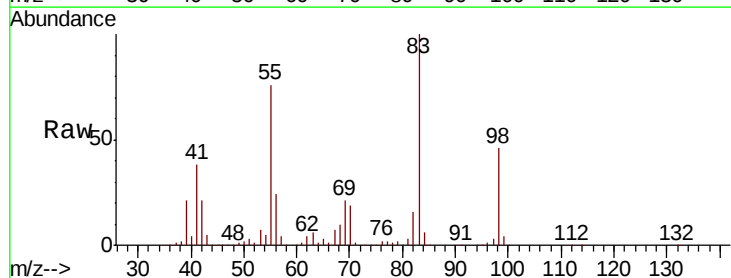


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

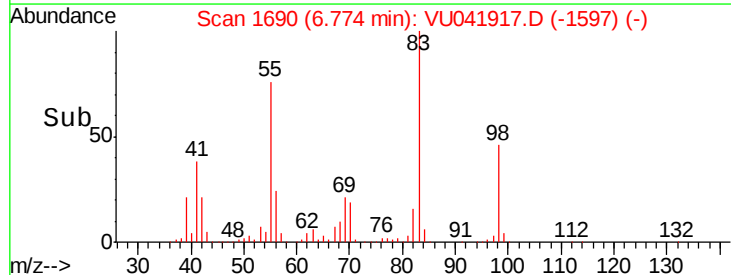
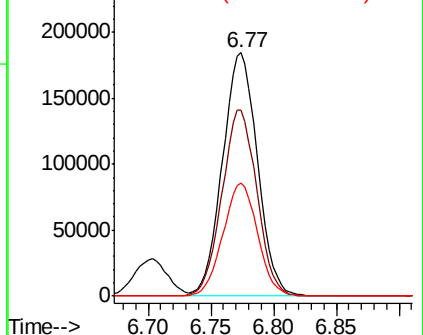


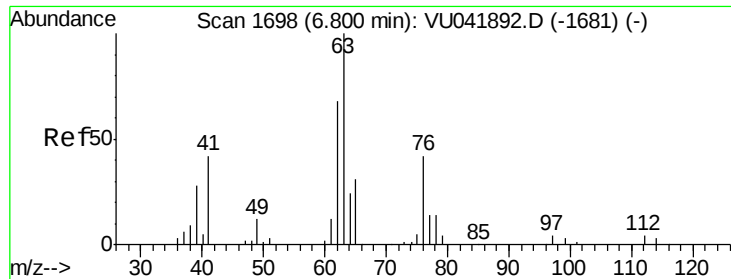
#35
 Methylcyclohexane
 Concen: 24.097 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion: 83 Resp: 357181
 Ion Ratio Lower Upper
 83 100
 55 76.5 64.3 96.5
 98 46.0 36.6 54.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

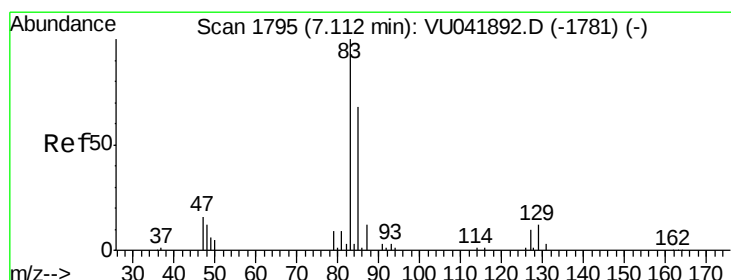
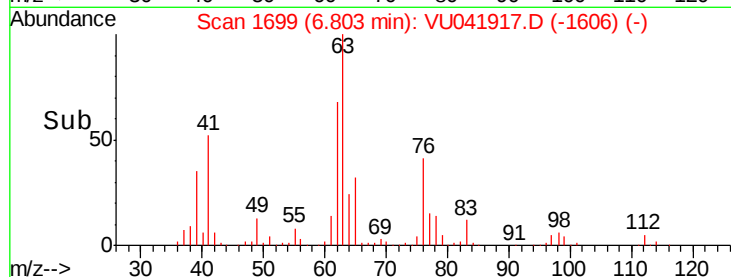
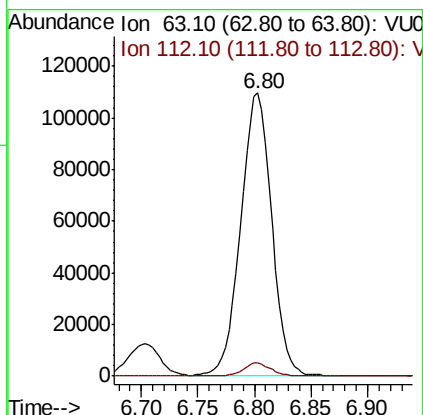
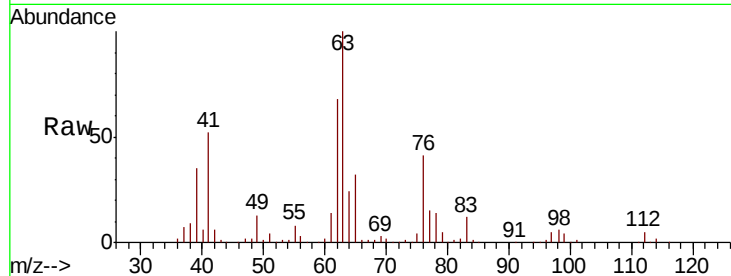




#37
 1,2-Dichloropropane
 Concen: 21.757 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

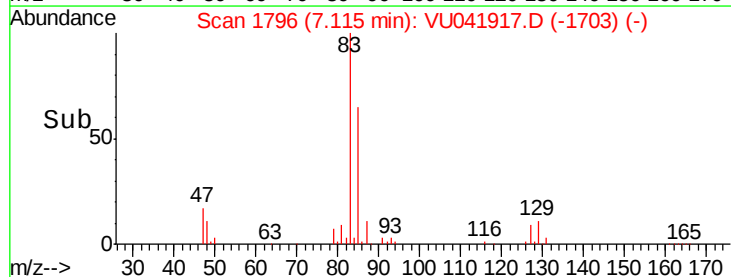
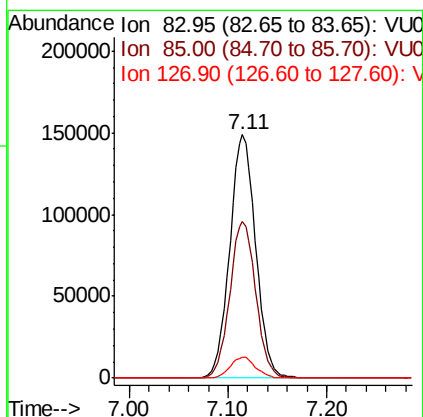
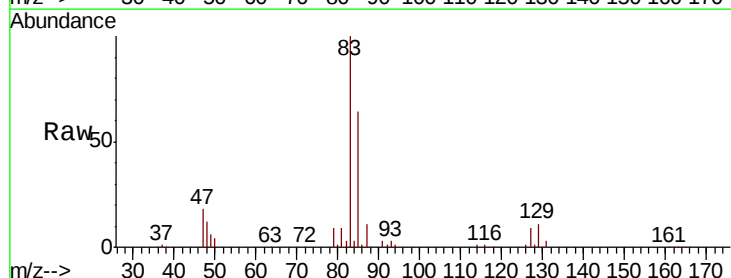
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

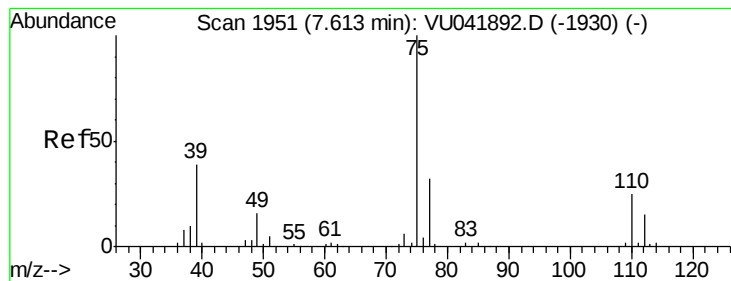
Tot Ion: 63 Resp: 208424
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 21.279 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion: 83 Resp: 272786
 Ion Ratio Lower Upper
 83 100
 85 64.2 42.1 78.3
 127 8.8 7.0 10.4



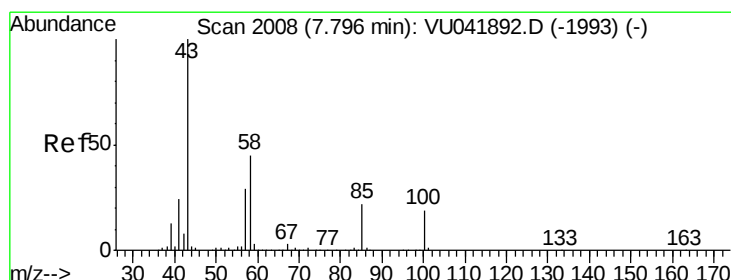
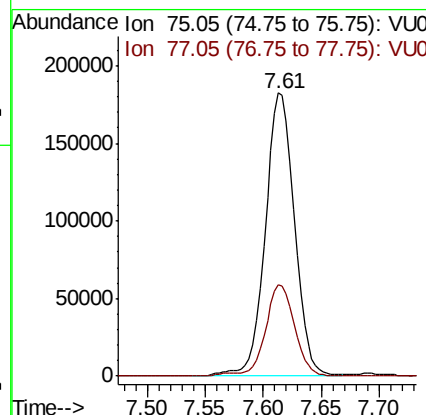
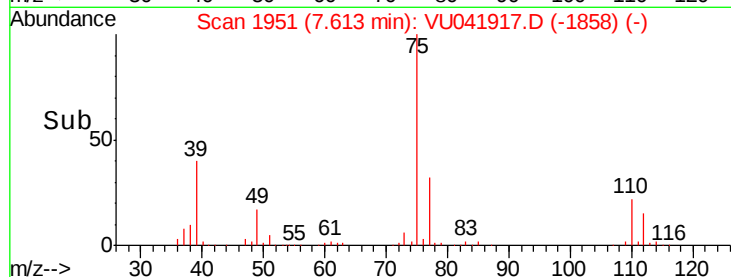
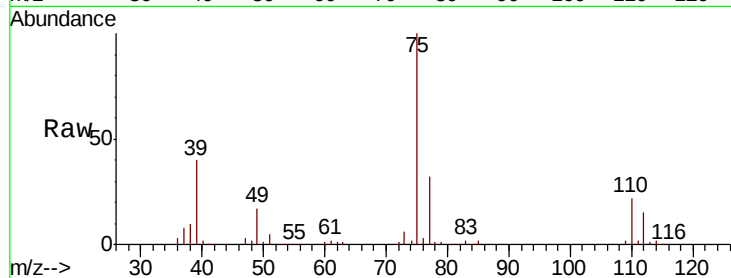


#39

cis-1,3-Dichloropropene
 Concen: 22.656 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

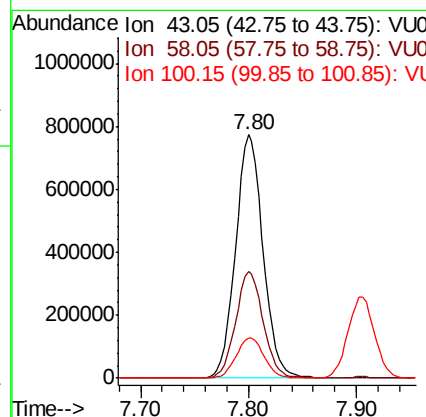
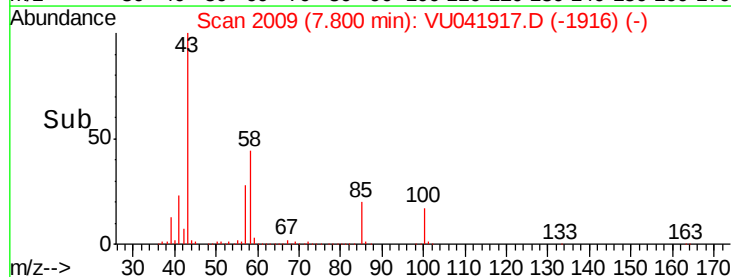
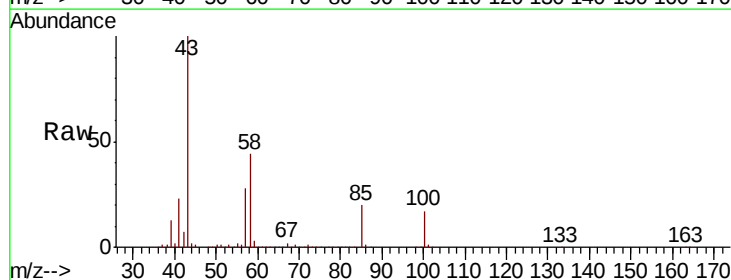
Tot Ion: 75 Resp: 320476
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.5 39.9

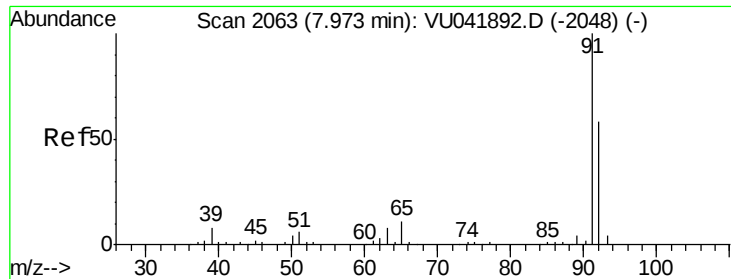


#40

4-Methyl-2-pentanone
 Concen: 226.350 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion: 43 Resp: 1376663
 Ion Ratio Lower Upper
 43 100
 58 43.7 35.0 52.4
 100 16.8 13.3 19.9





#42

Toluene

Concen: 22.580 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

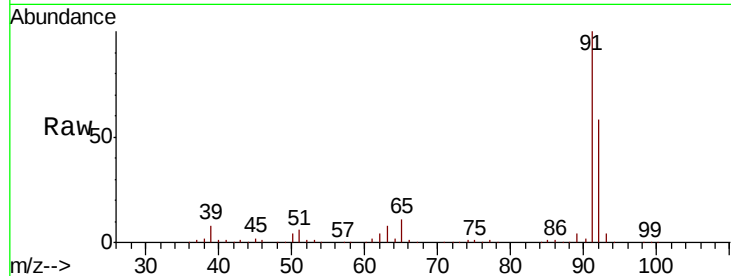
VSTD02006

Tot Ion: 91 Resp: 896250

Ion Ratio Lower Upper

91 100

92 57.5 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

600000

500000

400000

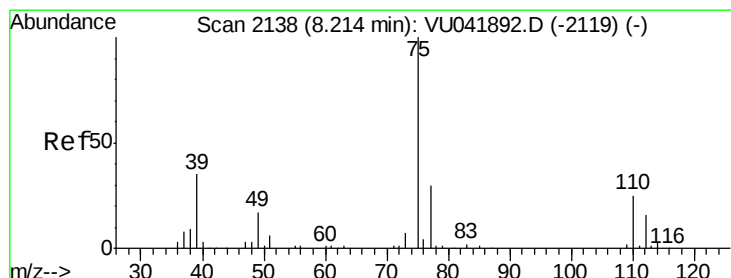
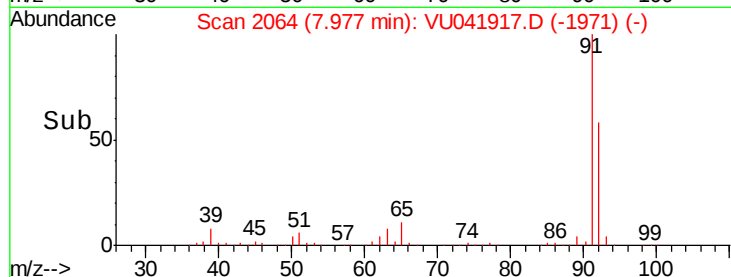
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 23.346 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041917.D

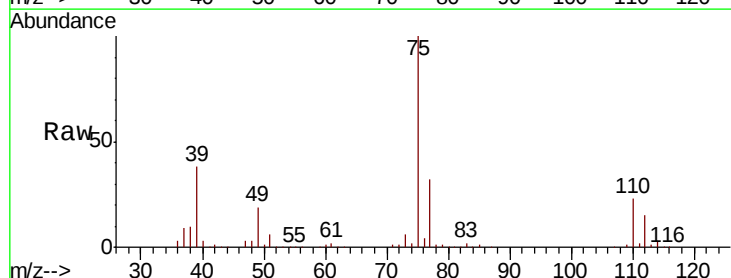
Acq: 11 Jan 2021 13:18

Tgt Ion: 75 Resp: 292139

Ion Ratio Lower Upper

75 100

77 31.9 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

200000

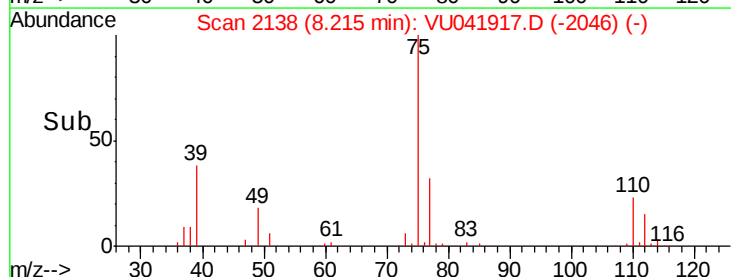
150000

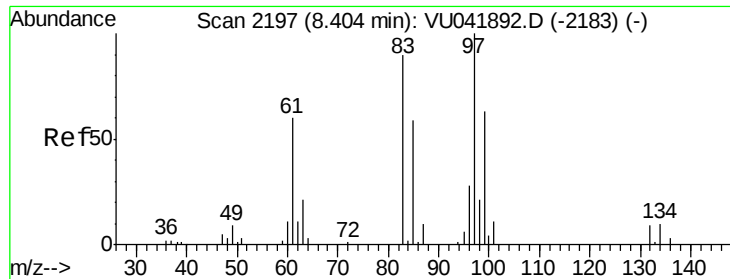
100000

50000

0

Time-->

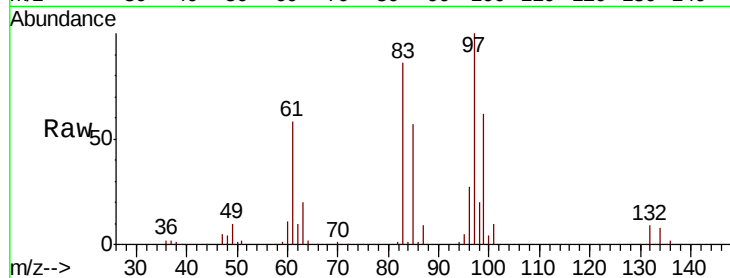




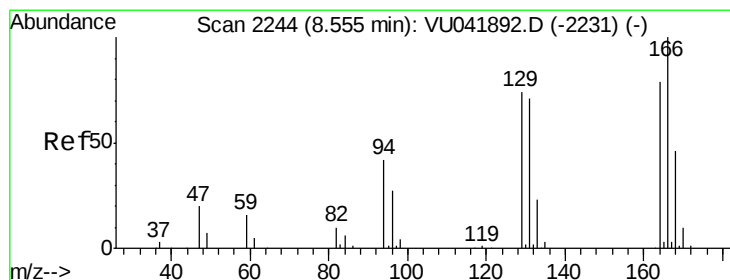
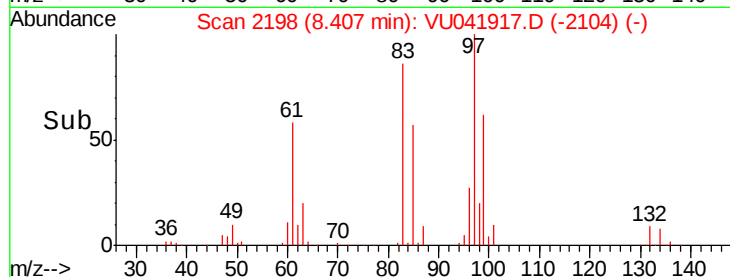
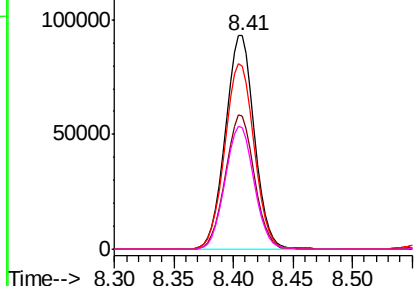
#45
 1,1,2-Trichloroethane
 Concen: 21.467 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion:	97	Resp:	157670
Ion	Ratio	Lower	Upper
97	100		
99	62.2	45.1	83.9
83	85.8	63.3	117.7
85	56.8	39.2	72.8

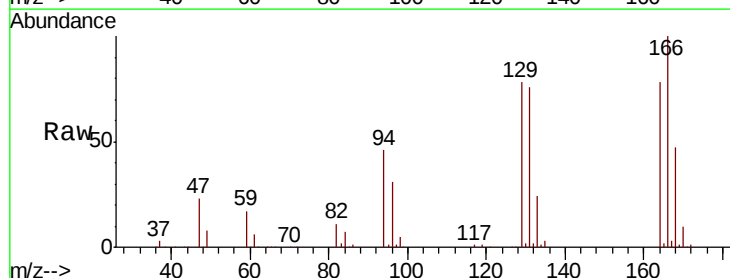


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

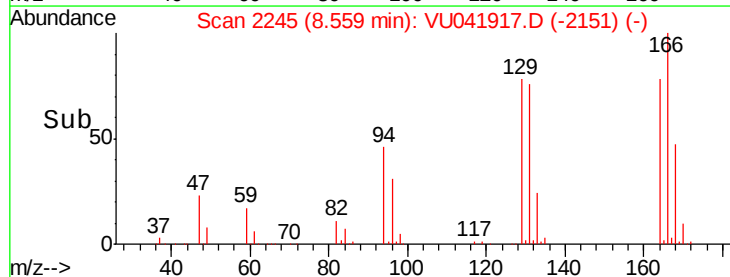
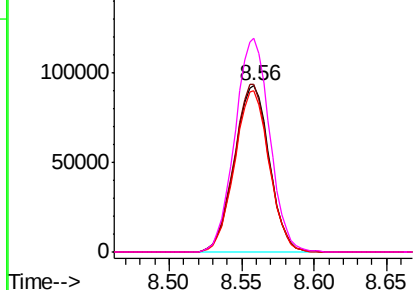


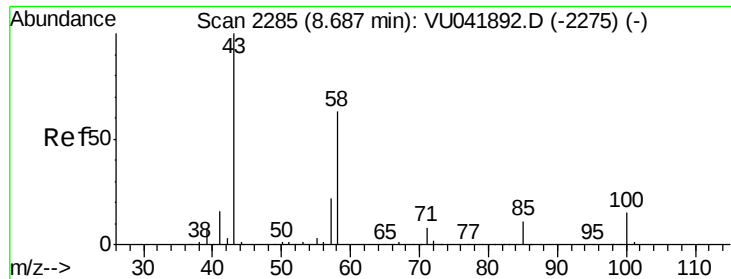
#47
 Tetrachloroethene
 Concen: 22.189 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion:	164	Resp:	155701
Ion	Ratio	Lower	Upper
164	100		
129	100.5	69.2	128.6
131	97.3	69.7	129.5
166	128.4	89.2	165.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

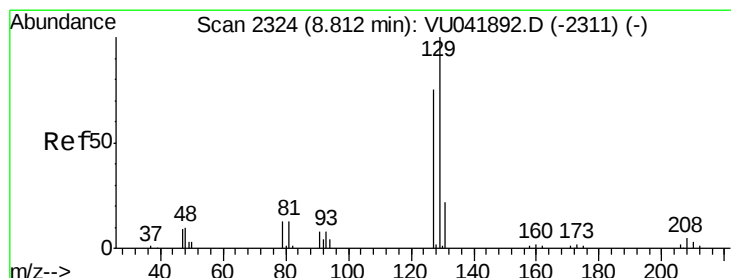
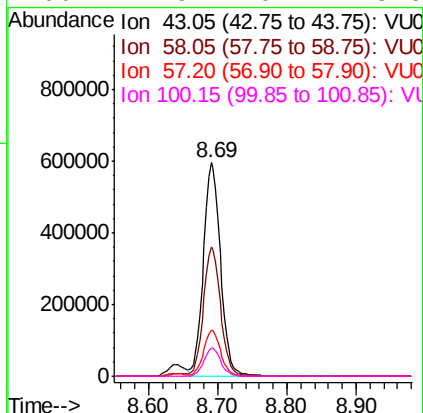
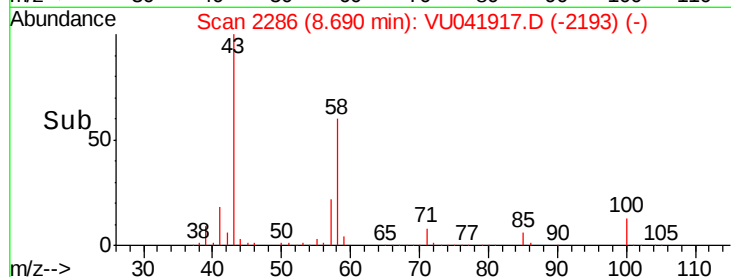
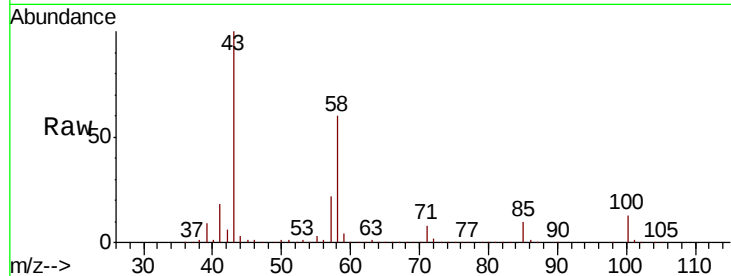




#48
2-Hexanone
Concen: 227.652 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

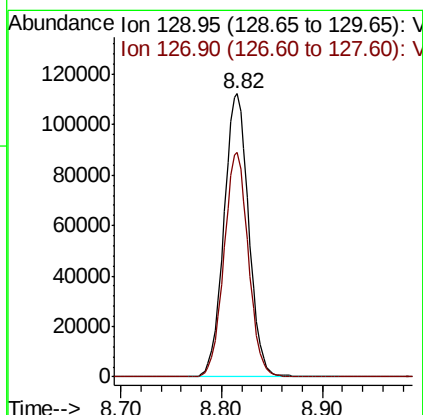
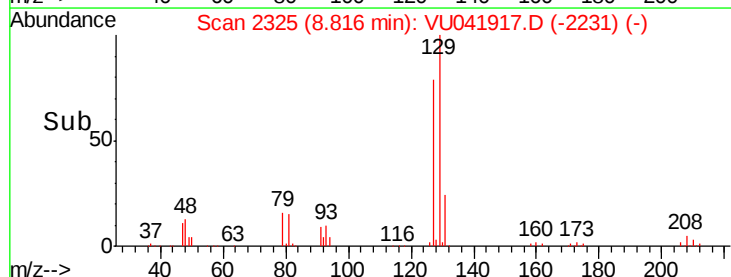
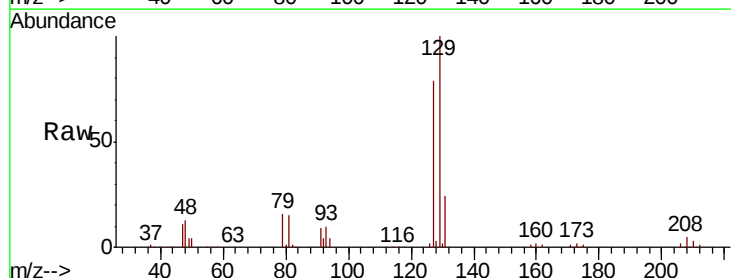
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

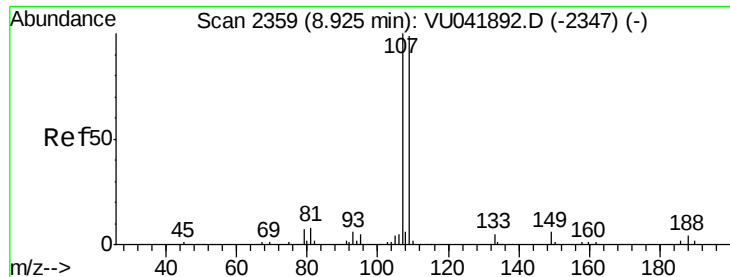
Tot Ion: 43 Resp: 1020641
Ion Ratio Lower Upper
43 100
58 60.3 47.6 71.4
57 21.5 17.1 25.7
100 12.9 10.4 15.6



#49
Dibromochloromethane
Concen: 21.556 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

Tgt Ion: 129 Resp: 192679
Ion Ratio Lower Upper
129 100
127 79.3 54.9 101.9

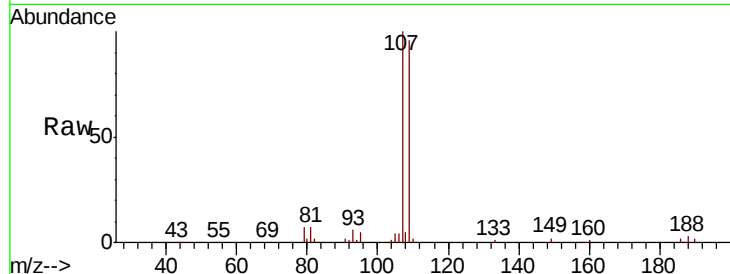




#50
1,2-Dibromoethane
Concen: 21.875 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	68.5	127.1
188	3.5	2.6	4.0

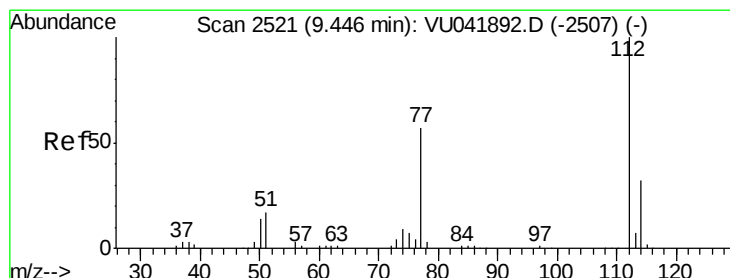
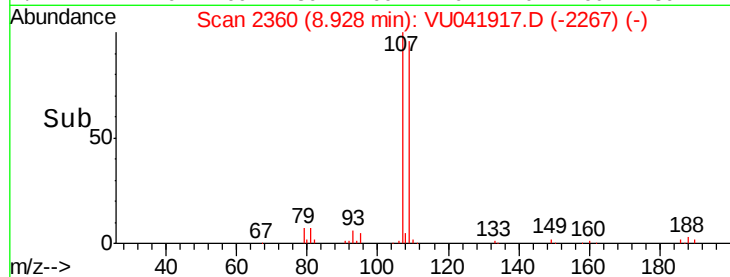
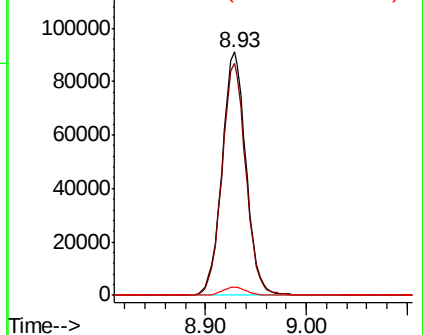


Abundance

Ion 106.95 (106.65 to 107.65): V

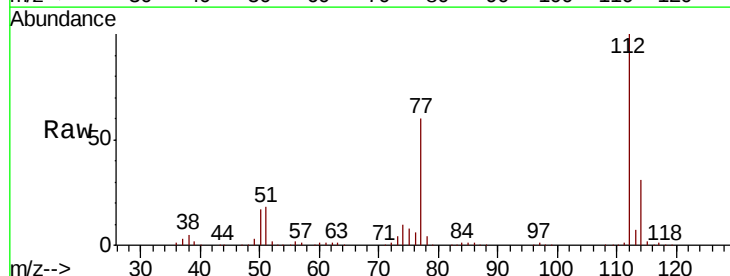
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 22.024 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	21.5	39.9
77	59.8	47.3	70.9

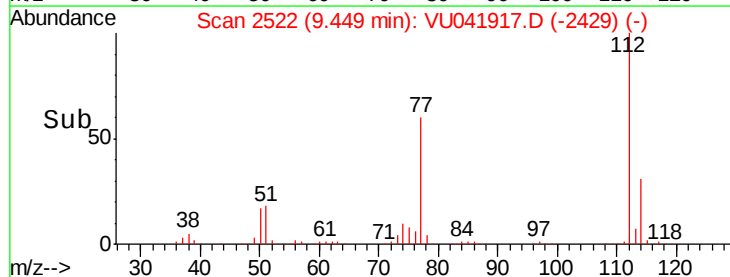
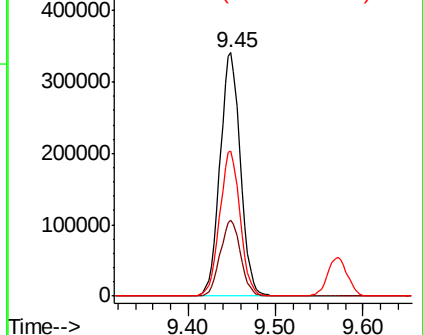


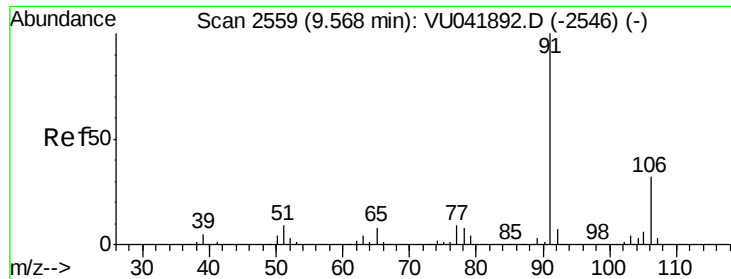
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 23.466 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

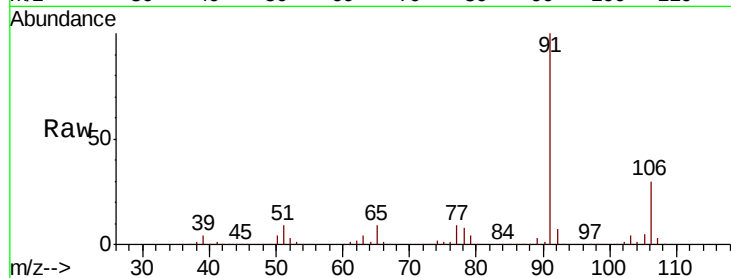
VSTD02006

Tot Ion: 91 Resp: 981073

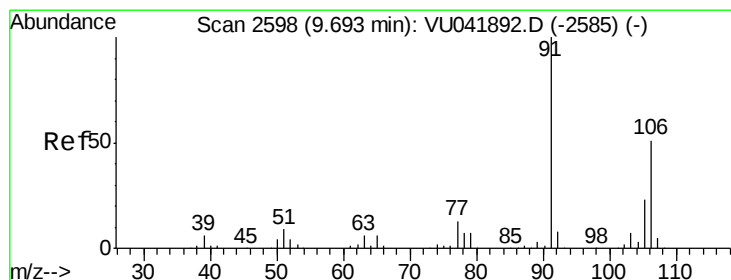
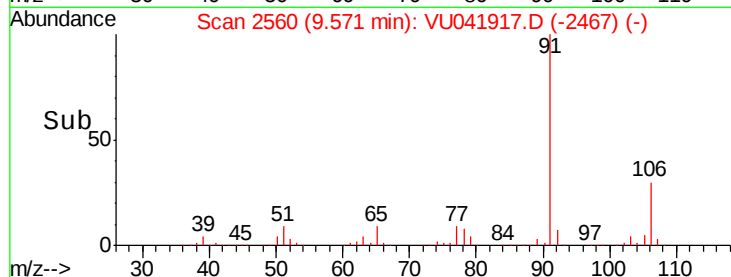
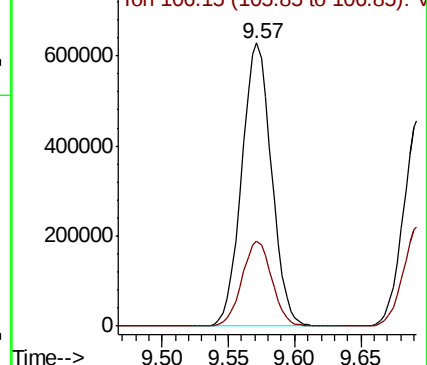
Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VU041917.D (-2546) (-)



#53

m,p-Xylene

Concen: 23.937 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041917.D

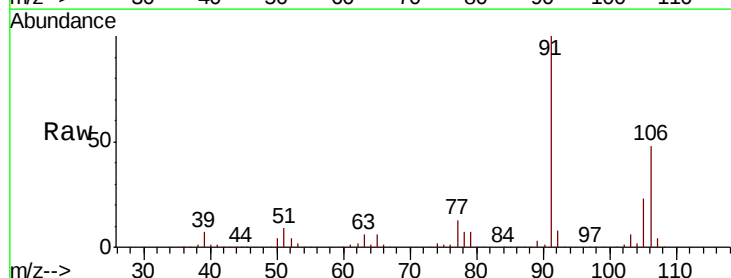
Acq: 11 Jan 2021 13:18

Tgt Ion: 106 Resp: 370480

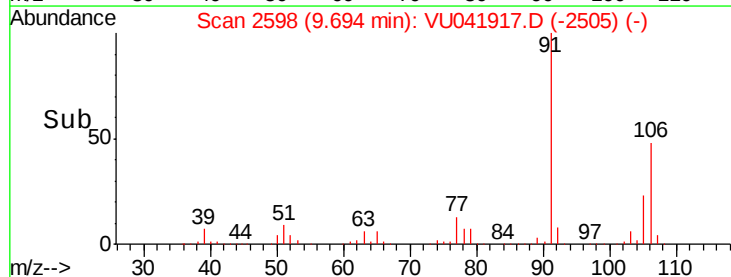
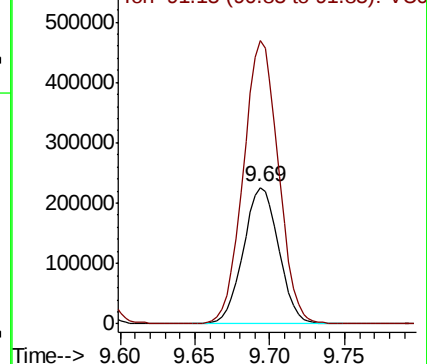
Ion Ratio Lower Upper

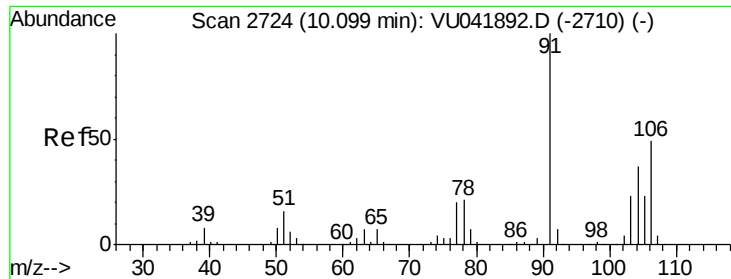
106 100

91 207.9 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU041917.D (-2585) (-)

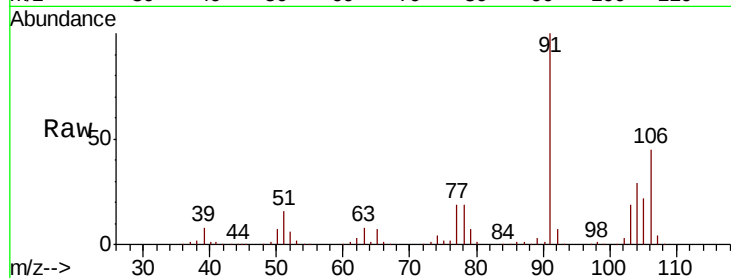




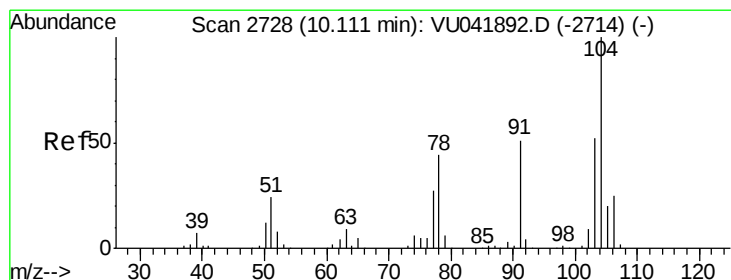
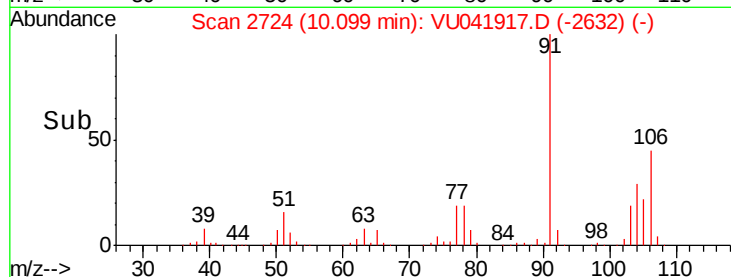
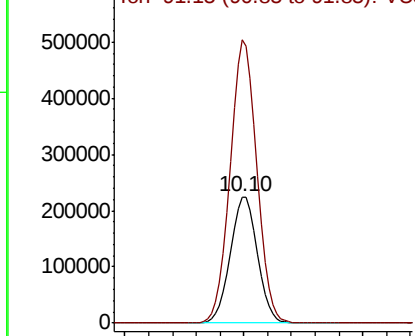
#54
o-Xylene
Concen: 23.733 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion:106 Resp: 354988
Ion Ratio Lower Upper
106 100
91 224.2 147.3 273.6

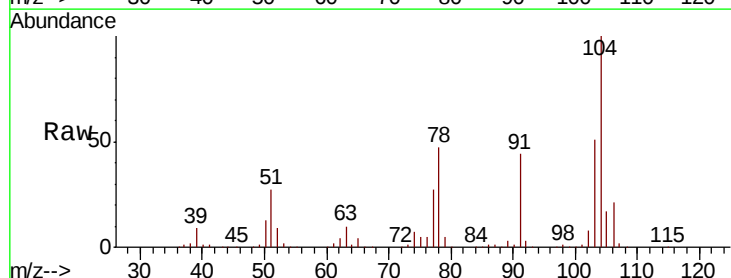


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

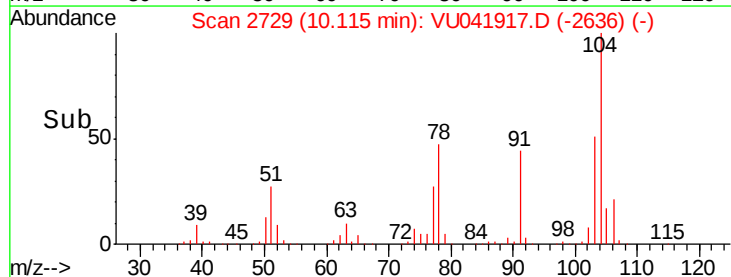
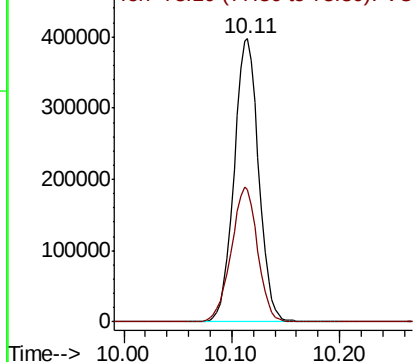


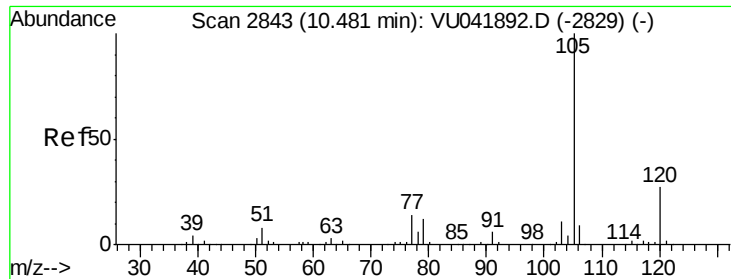
#55
Styrene
Concen: 24.317 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041917.D
Acq: 11 Jan 2021 13:18

Tgt Ion:104 Resp: 632276
Ion Ratio Lower Upper
104 100
78 46.7 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 23.947 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

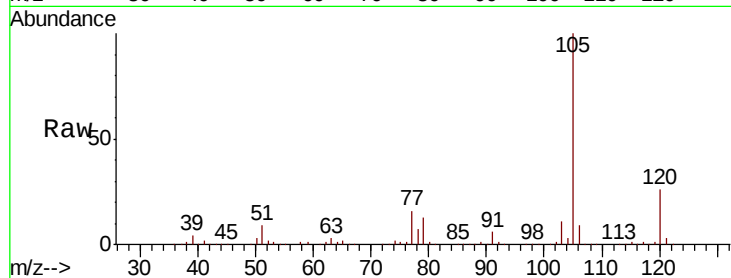
Tot Ion:105 Resp: 961820

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

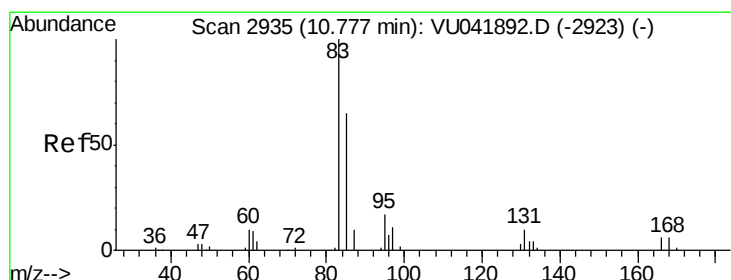
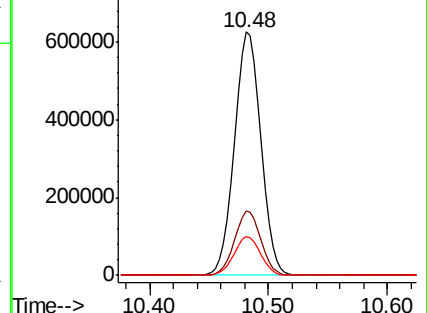
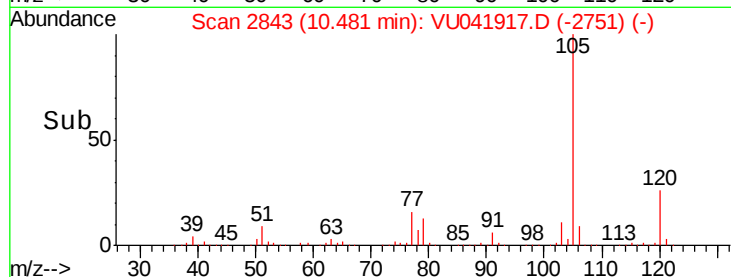
77 16.0 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.542 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

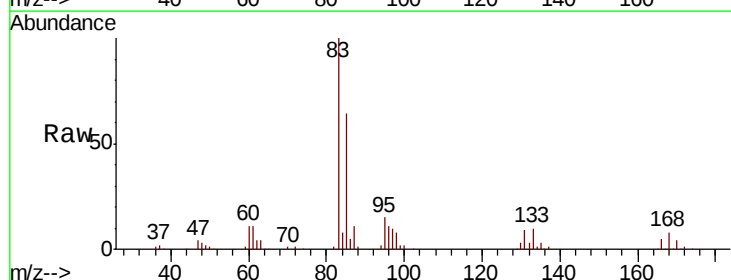
Tgt Ion: 83 Resp: 206772

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.2

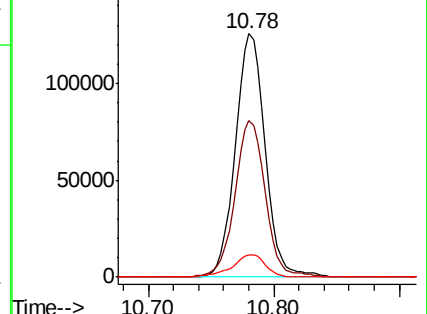
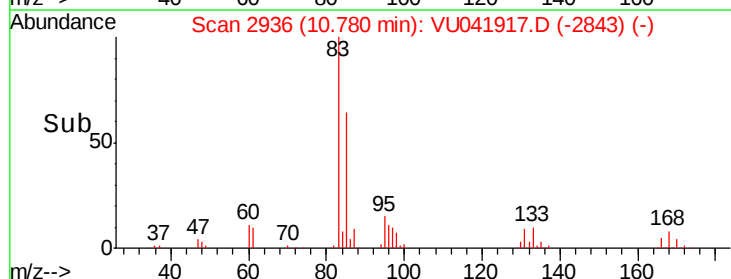
131 9.1 7.4 11.2

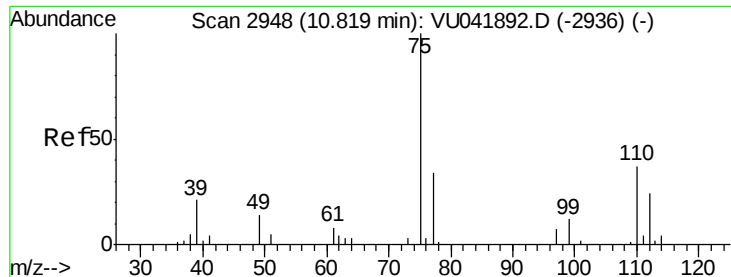


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

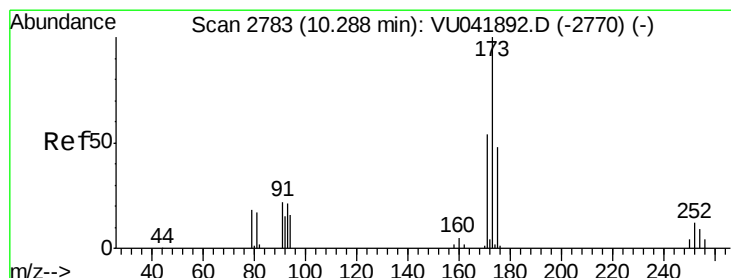
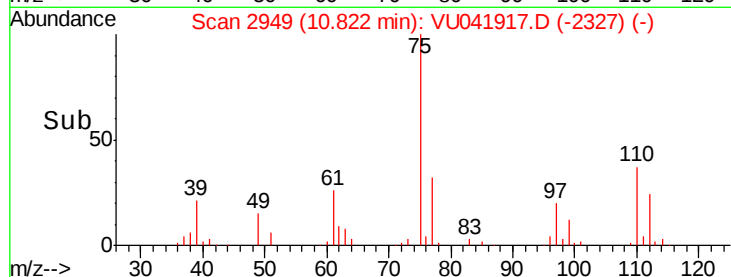
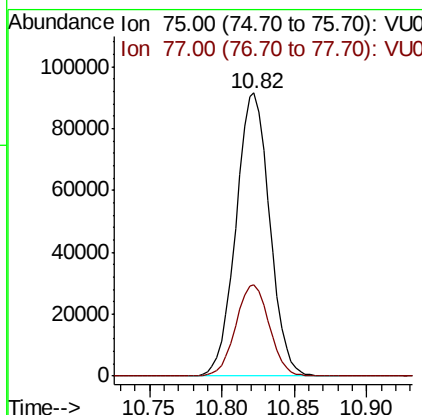
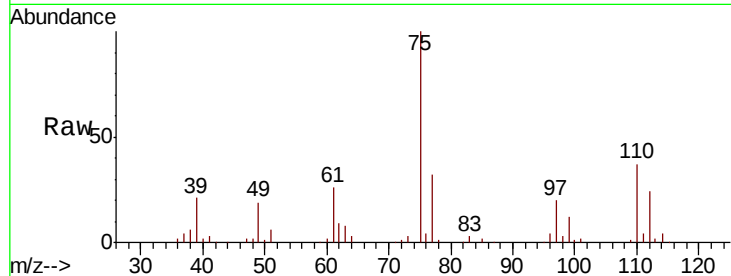




#59
 1,2,3-Trichloropropane
 Concen: 21.103 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

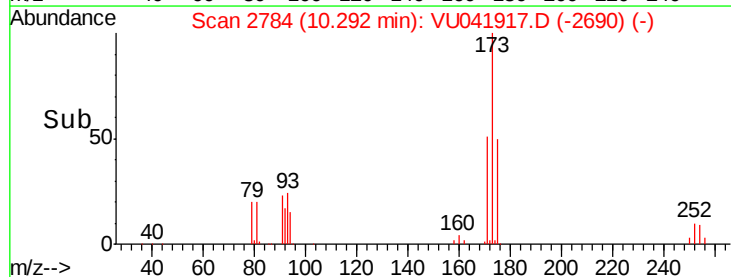
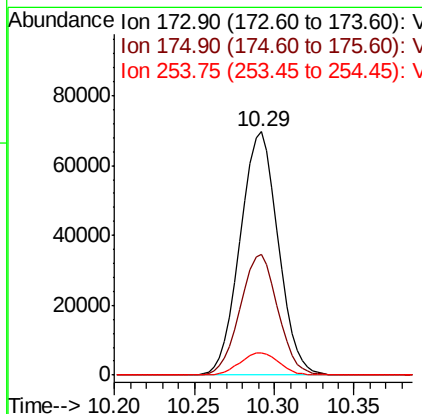
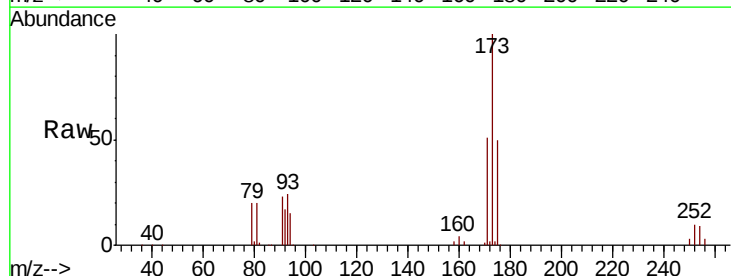
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

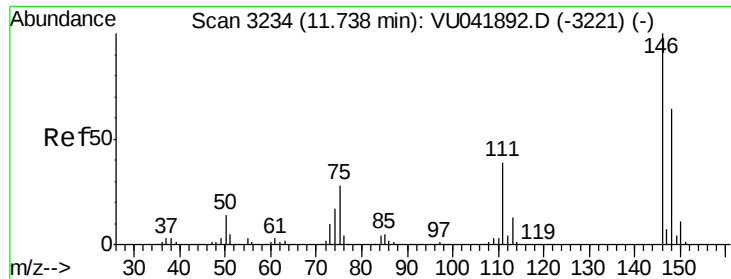
Tot Ion: 75 Resp: 147655
 Ion Ratio Lower Upper
 75 100
 77 32.2 27.0 40.4



#61
 Bromoform
 Concen: 20.512 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion: 173 Resp: 113101
 Ion Ratio Lower Upper
 173 100
 175 49.2 36.1 54.1
 254 9.5 7.1 10.7

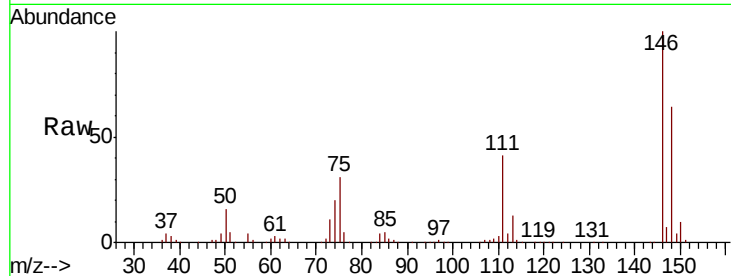




#62
 1,3-Dichlorobenzene
 Concen: 21.372 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.7	53.3
148	64.2	43.2	80.2

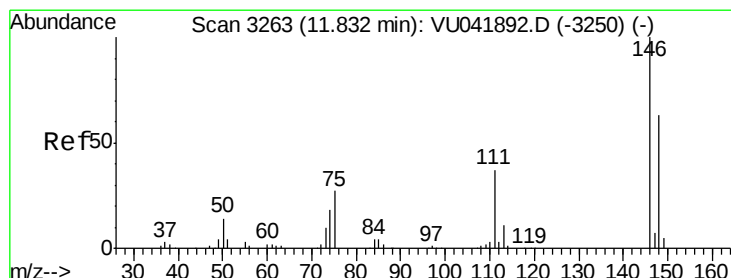
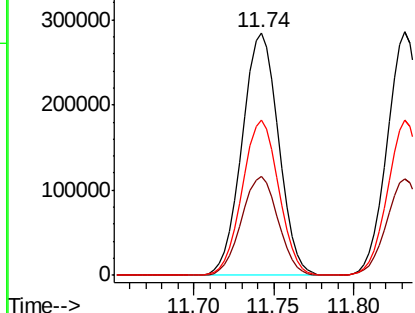
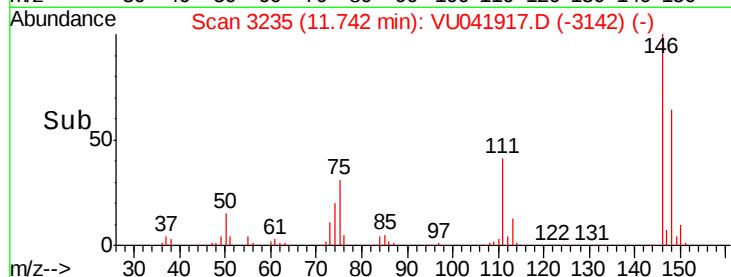


Abundance

Ion 145.95 (145.65 to 146.65): V

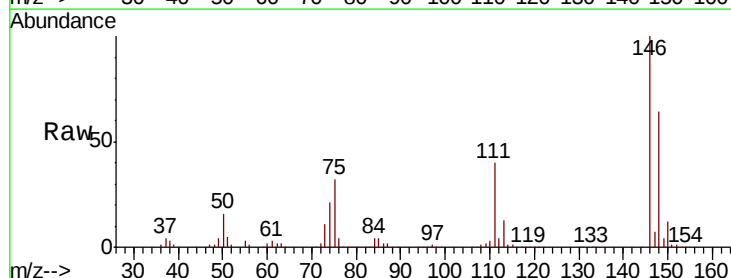
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 21.237 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.4	52.8
148	63.6	44.0	81.8

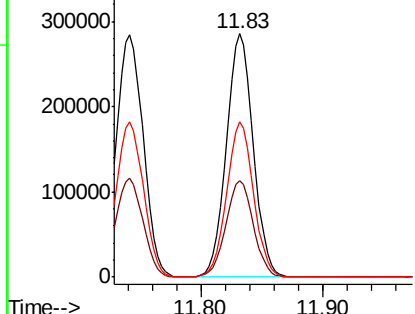
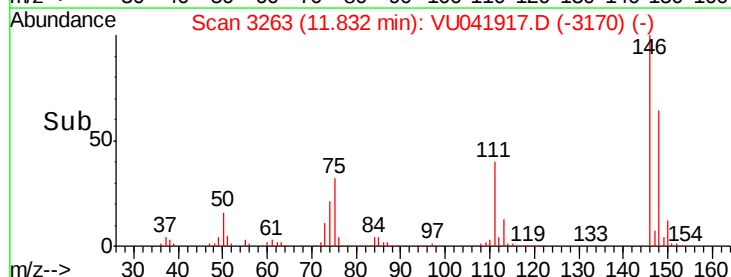


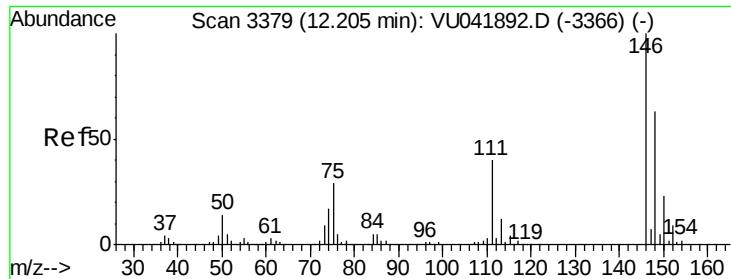
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.274 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

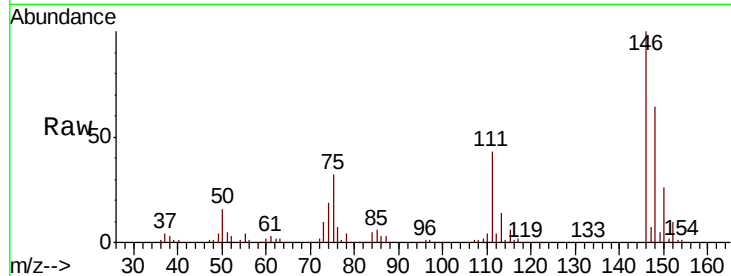
Tot Ion:146 Resp: 422920

Ion Ratio Lower Upper

146 100

111 43.2 32.4 48.6

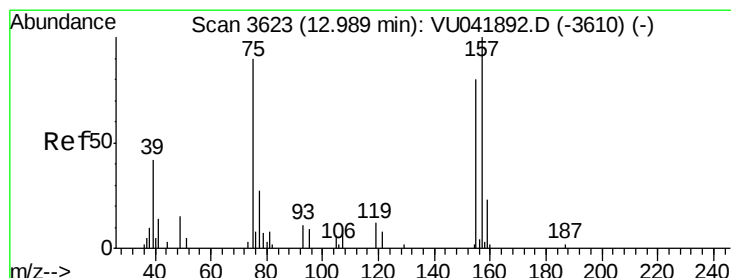
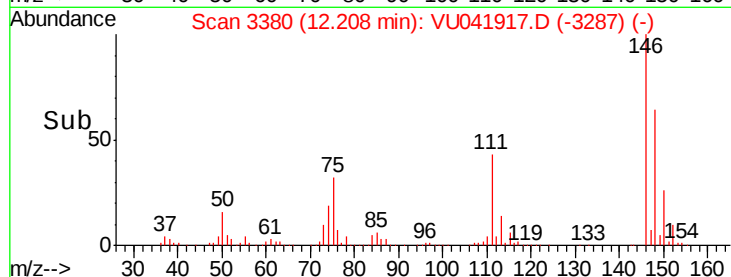
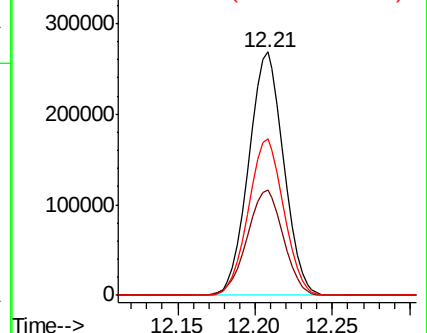
148 64.2 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): 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: 21.282 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

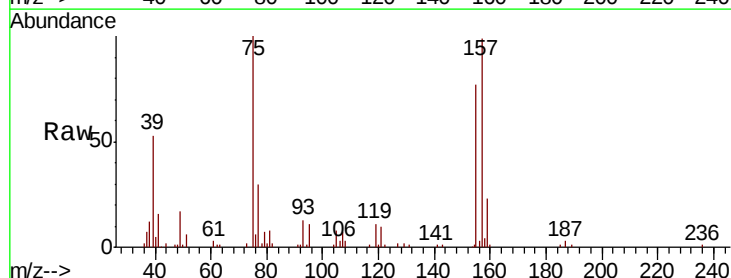
Tgt Ion: 75 Resp: 38422

Ion Ratio Lower Upper

75 100

155 77.3 60.6 91.0

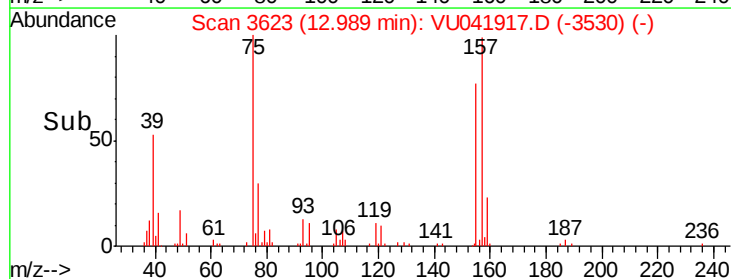
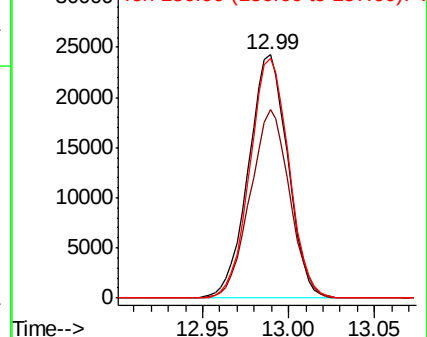
157 98.7 81.0 121.6

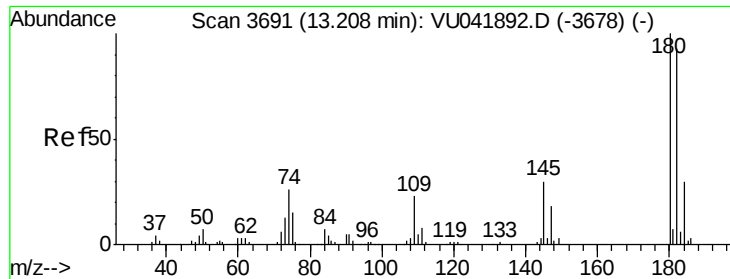


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

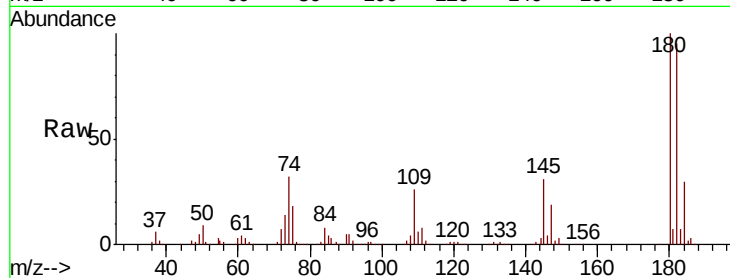




#67
 1,3,5-Trichlorobenzene
 Concen: 21.924 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.6	111.8
184	30.4	23.8	35.6
145	30.8	24.6	37.0



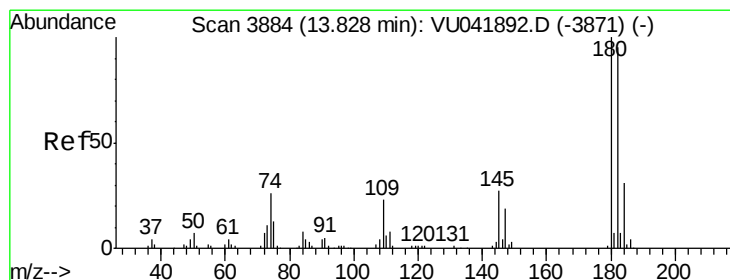
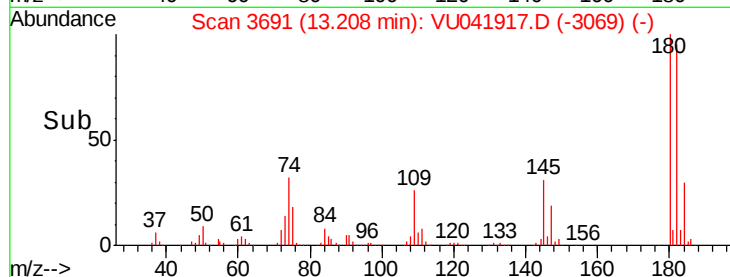
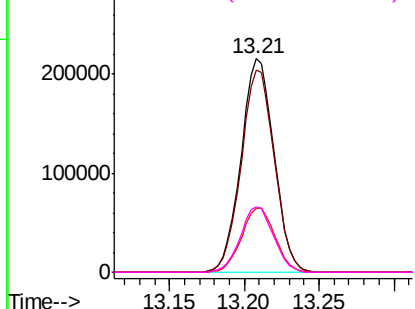
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

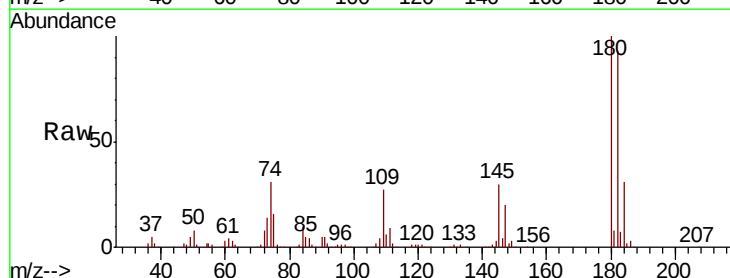
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.910 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041917.D
 Acq: 11 Jan 2021 13:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.2	115.8
145	30.7	23.8	35.6

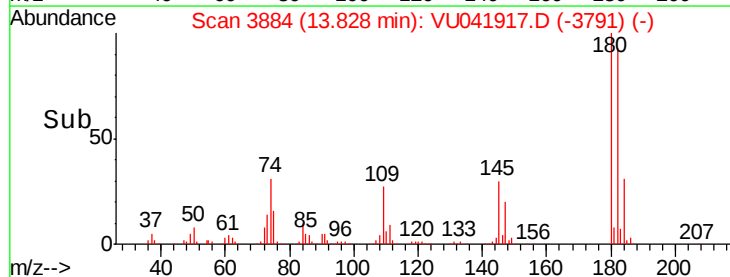
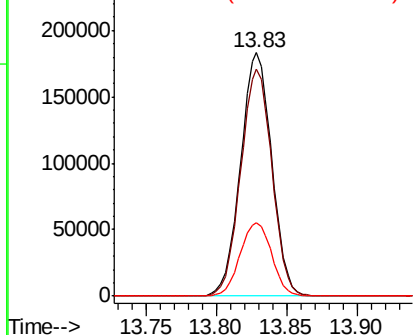


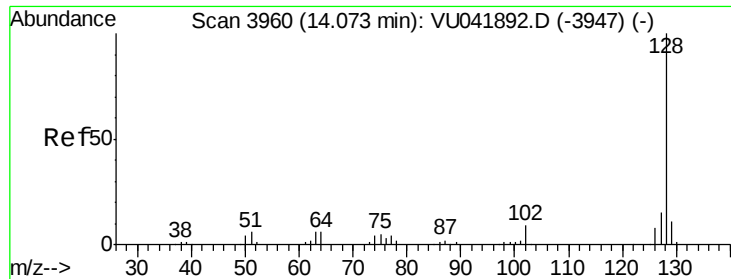
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 28.781 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

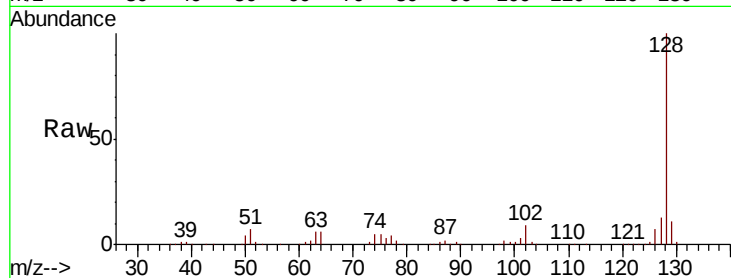
Tot Ion:128 Resp: 554660

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

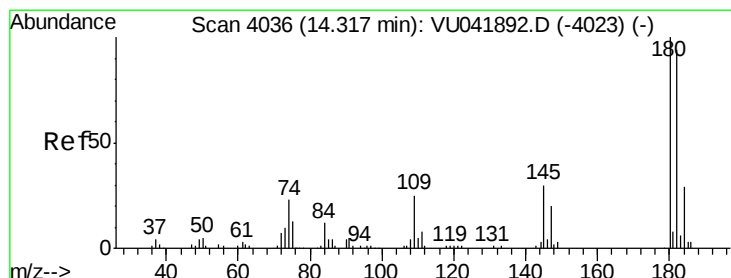
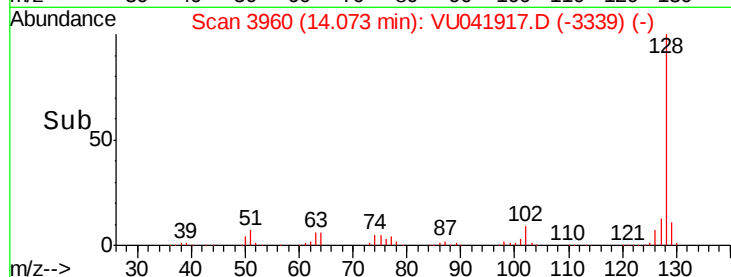
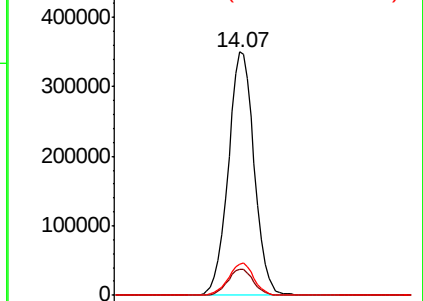
127 13.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.231 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041917.D

Acq: 11 Jan 2021 13:18

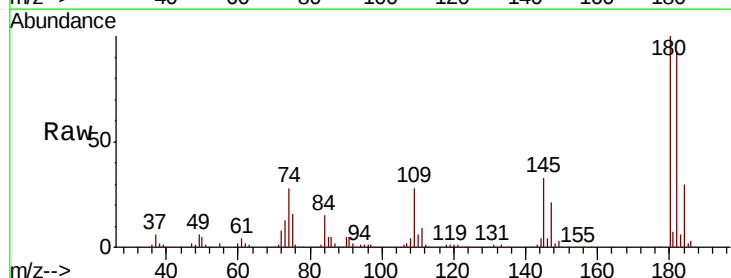
Tgt Ion:180 Resp: 260350

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.4

145 32.9 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

