

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010421\
 Data File : VU041837.D
 Acq On : 04 Jan 2021 10:08
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 05 00:47:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 30 14:08:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	163509	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	155217	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	80384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	64920	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.92	69	60987	6.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.20%
11) 1,1-Dichloroethene-d2	2.58	63	121859	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	4.65	46	194267	52.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.82%
24) Chloroform-d	5.08	84	128513	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.40%
26) 1,2-Dichloroethane-d4	5.71	65	67972	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.74	84	244843	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
36) 1,2-Dichloropropane-d6	6.70	67	74877	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.90	98	202838	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	8.18	79	30247	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	153600	44.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	62900	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	72637	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	69210	4.996 ug/L	97
3) Chloromethane	1.52	50	80636	5.992 ug/L	97
5) Vinyl chloride	1.61	62	86420	5.815 ug/L	99
6) Bromomethane	1.86	94	53549	5.764 ug/L	100
8) Chloroethane	1.94	64	52457	5.197 ug/L	98
9) Trichlorofluoromethane	2.14	101	111050	5.904 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	61546	5.472 ug/L	97
12) 1,1-Dichloroethene	2.59	96	58837	5.305 ug/L	93
13) Acetone	2.66	43	108663	46.524 ug/L	99
14) Carbon disulfide	2.80	76	200334	5.226 ug/L	100
15) Methyl Acetate	2.97	43	28207	4.645 ug/L	98
16) Methylene chloride	3.06	84	70170	5.297 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	141335	4.776 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	61827	5.389 ug/L	98
19) 1,1-Dichloroethane	3.88	63	110930	5.173 ug/L	98
21) 2-Butanone	4.73	43	167852	44.121 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	61205	4.827 ug/L	95

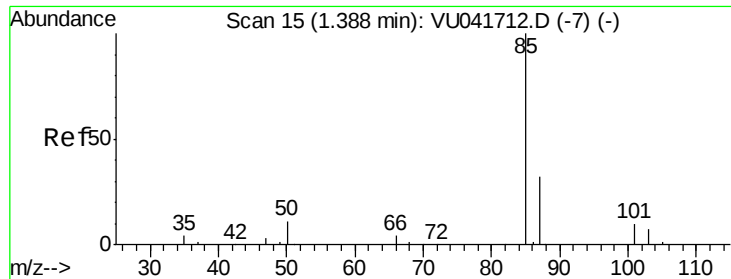
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010421\
 Data File : VU041837.D
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 Operator : SY/MD
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 30 14:08:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	30068	5.162	ug/L	89
25) Chloroform	5.10	83	117263	5.430	ug/L	98
27) 1,2-Dichloroethane	5.81	62	71943	4.920	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	96381	5.407	ug/L	98
30) Cyclohexane	5.40	56	92084	4.609	ug/L	97
31) Carbon tetrachloride	5.54	117	87978	5.708	ug/L	100
33) Benzene	5.78	78	247207	4.980	ug/L	100
34) Trichloroethene	6.55	95	60186	4.825	ug/L	98
35) Methylcyclohexane	6.77	83	92085	4.567	ug/L	97
37) 1,2-Dichloropropane	6.80	63	60850	4.792	ug/L	100
38) Bromodichloromethane	7.11	83	79102	5.008	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	82169	4.367	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	354431	39.229	ug/L	98
42) Toluene	7.97	91	245205	4.784	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	78157	4.645	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	42997	4.579	ug/L	94
47) Tetrachloroethene	8.56	164	44257	5.068	ug/L	95
48) 2-Hexanone	8.69	43	264738	40.262	ug/L	99
49) Dibromochloromethane	8.81	129	52050	4.826	ug/L	100
50) 1,2-Dibromoethane	8.92	107	41518	4.470	ug/L	98
51) Chlorobenzene	9.45	112	153058	4.804	ug/L	100
52) Ethylbenzene	9.57	91	249234	4.567	ug/L	99
53) m,p-Xylene	9.69	106	99110	4.869	ug/L	99
54) o-Xylene	10.10	106	94821	4.756	ug/L	97
55) Styrene	10.11	104	162904	4.731	ug/L	98
56) Isopropylbenzene	10.48	105	248123	4.676	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	56579	4.330	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	41329	4.334	ug/L	99
61) Bromoform	10.29	173	30567	5.030	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	119649	4.867	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	117670	4.760	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	112892	4.689	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9487	4.202	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	86063	4.612	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	64997	4.150	ug/L	99
69) Naphthalene	14.08	128	99373	3.065	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	59064	3.957	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.996 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

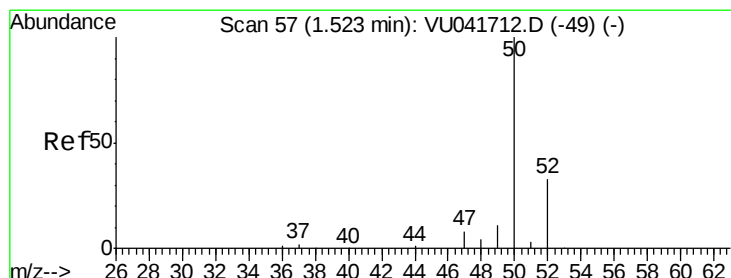
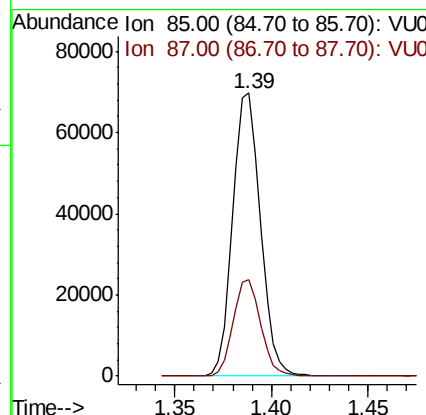
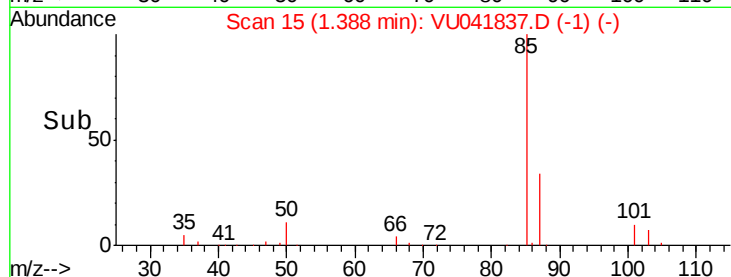
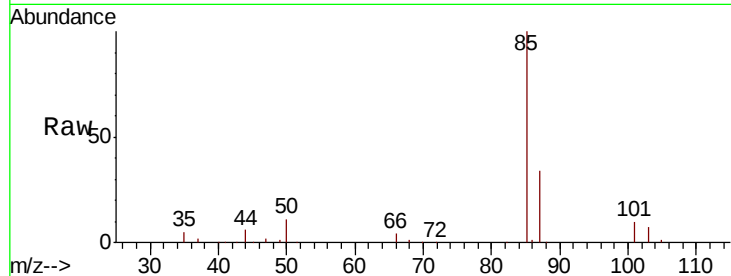
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 69210

Ion Ratio Lower Upper

85 100

87 33.6 25.8 38.6



#3

Chloromethane

Concen: 5.992 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041837.D

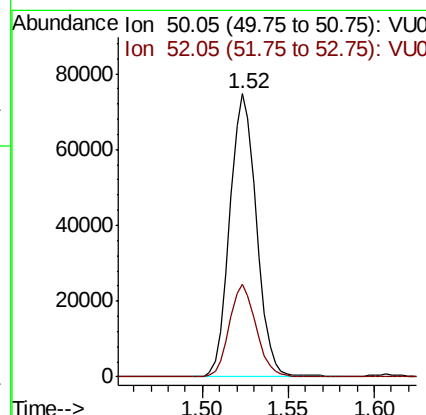
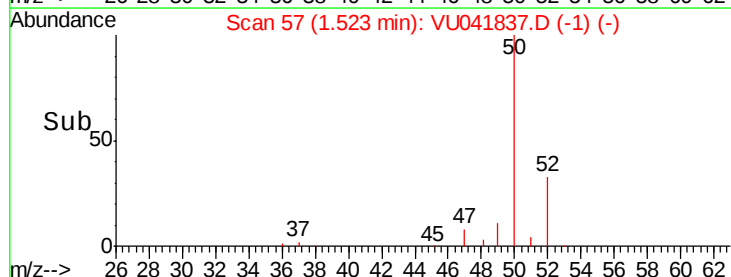
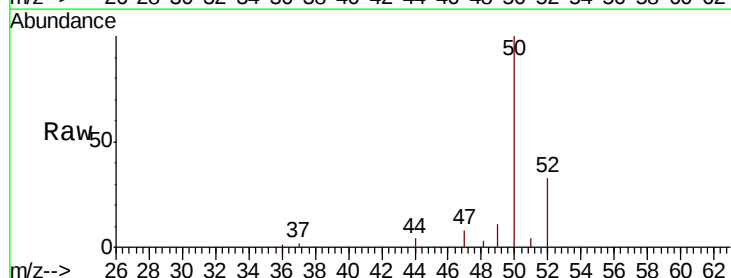
Acq: 04 Jan 2021 10:08

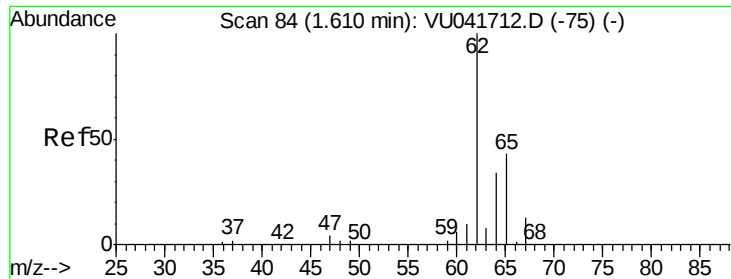
Tgt Ion: 50 Resp: 80636

Ion Ratio Lower Upper

50 100

52 32.5 24.1 44.8





#5

Vinyl chloride

Concen: 5.815 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

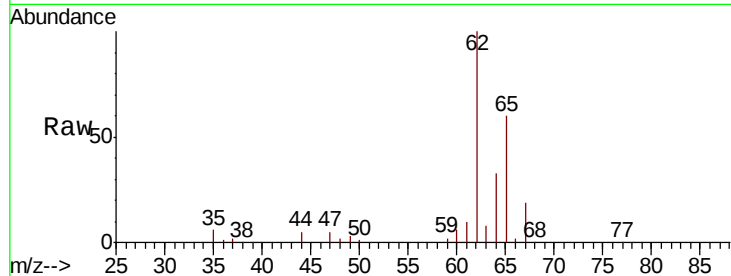
ClientSampleId :

Tot Ion: 62 Resp: 86420

Ion Ratio Lower Upper

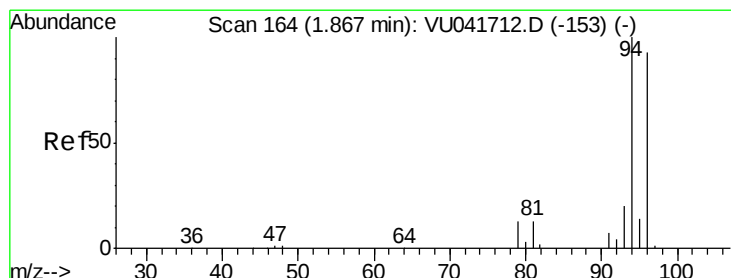
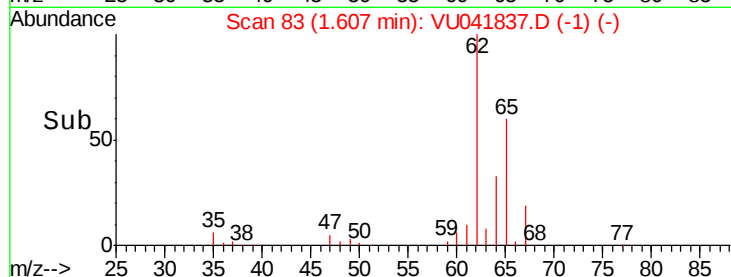
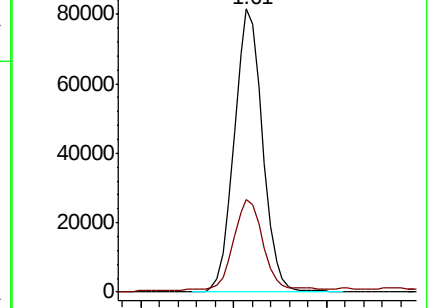
62 100

64 32.6 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.764 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041837.D

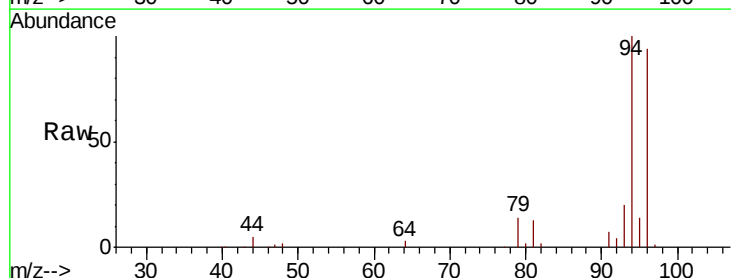
Acq: 04 Jan 2021 10:08

Tgt Ion: 94 Resp: 53549

Ion Ratio Lower Upper

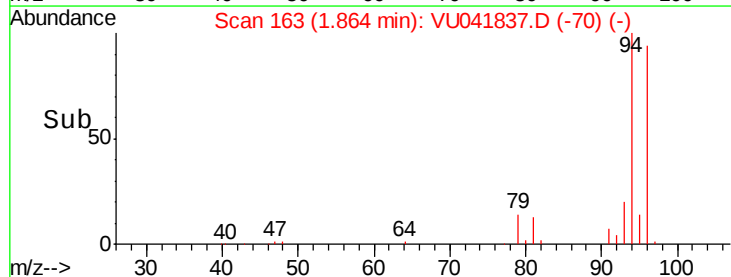
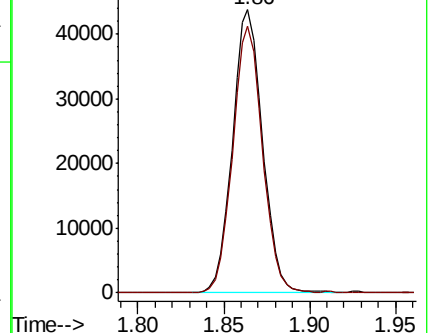
94 100

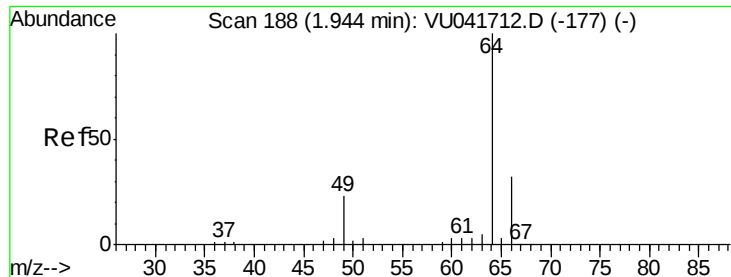
96 94.2 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.197 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

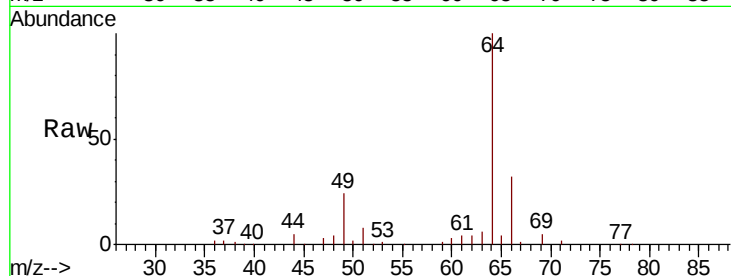
ClientSampleId :

Tot Ion: 64 Resp: 52457

Ion Ratio Lower Upper

64 100

66 31.9 21.6 40.0

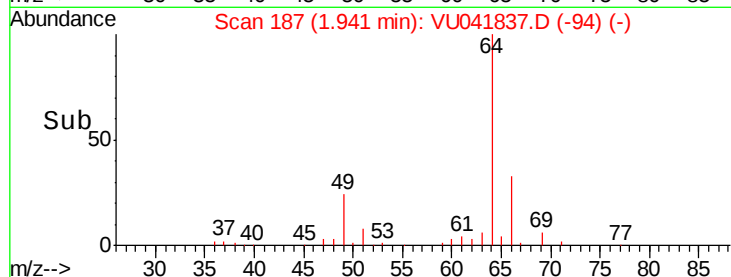


Abundance Ion 64.10 (63.80 to 64.80): VU041712.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041712.D (-177) (-)

1.94

Time-->



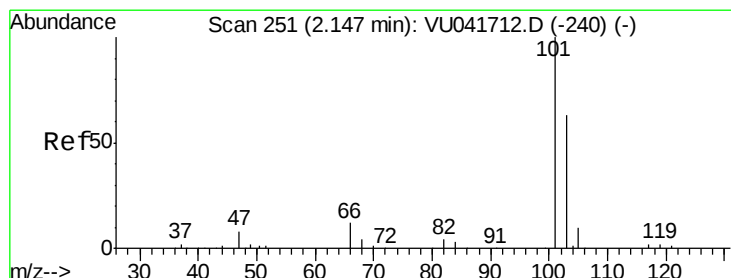
Abundance

Ion 64.10 (63.80 to 64.80): VU041837.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU041837.D (-94) (-)

1.94

Time-->



#9

Trichlorofluoromethane

Concen: 5.904 ug/L

RT: 2.14 min Scan# 250

Delta R.T. 0.00 min

Lab File: VU041837.D

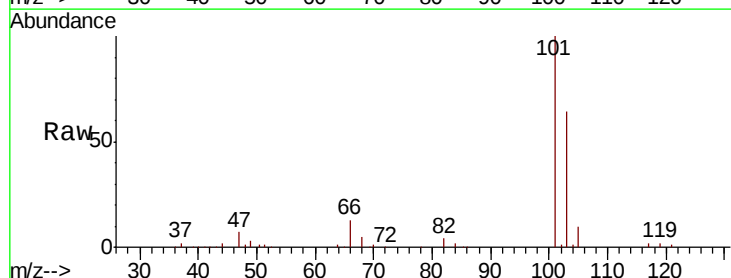
Acq: 04 Jan 2021 10:08

Tgt Ion: 101 Resp: 111050

Ion Ratio Lower Upper

101 100

103 64.5 51.1 76.7

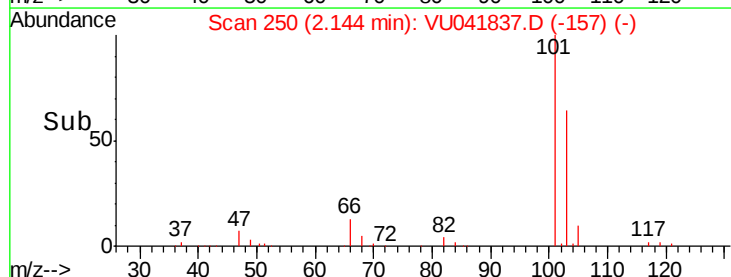


Abundance Ion 101.00 (100.70 to 101.70): VU041712.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041712.D (-240) (-)

2.14

Time-->



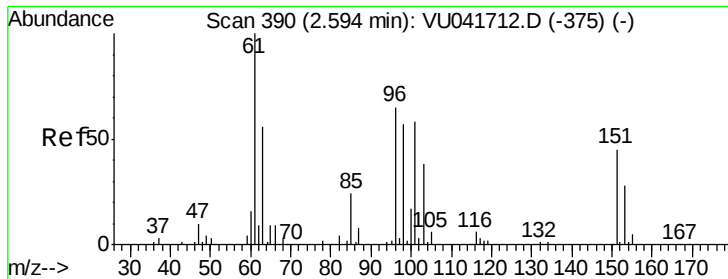
Abundance

Ion 101.00 (100.70 to 101.70): VU041837.D (-157) (-)

Ion 103.00 (102.70 to 103.70): VU041837.D (-157) (-)

2.14

Time-->



#10

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

Concen: 5.472 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

ClientSampled :

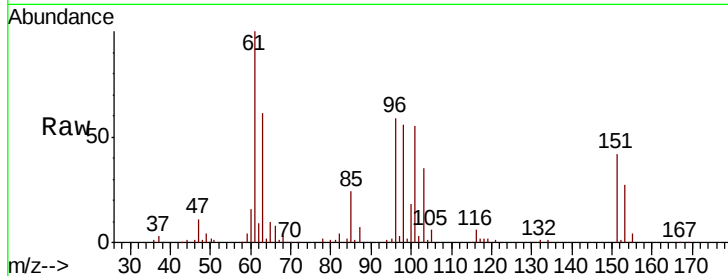
Tot Ion:101 Resp: 61546

Ion Ratio Lower Upper

101 100

85 43.9 33.6 50.4

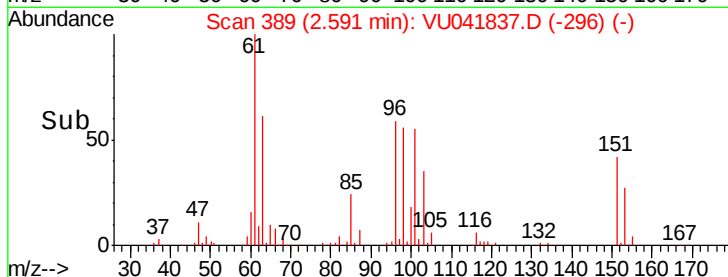
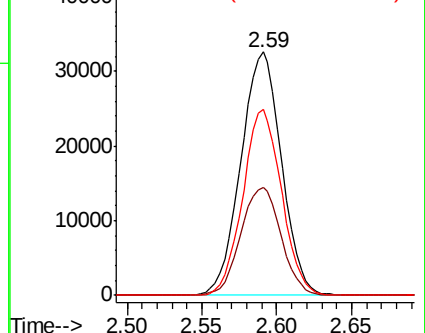
151 73.0 56.2 84.4



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: 5.305 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

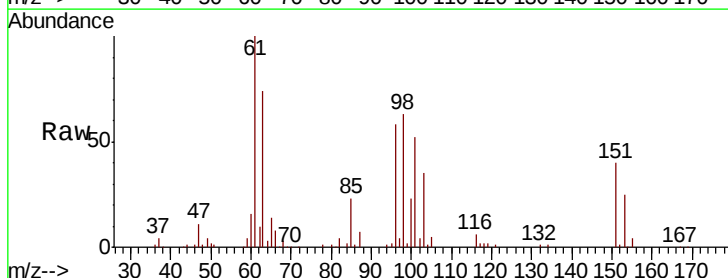
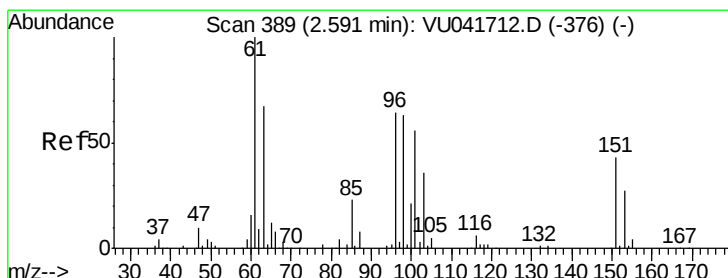
Tgt Ion: 96 Resp: 58837

Ion Ratio Lower Upper

96 100

61 171.9 123.8 230.0

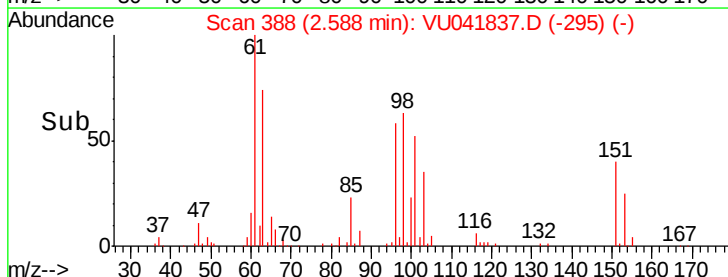
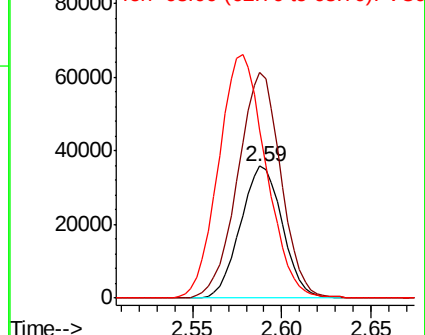
63 127.7 81.0 150.4

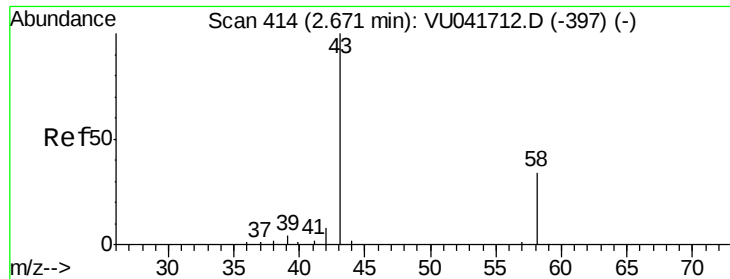


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.524 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

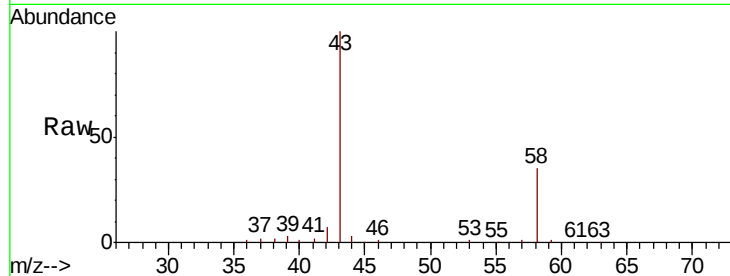
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 108663

Ion Ratio Lower Upper

43 100

58 36.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041712.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU041712.D (-397) (-)

2.66

30000

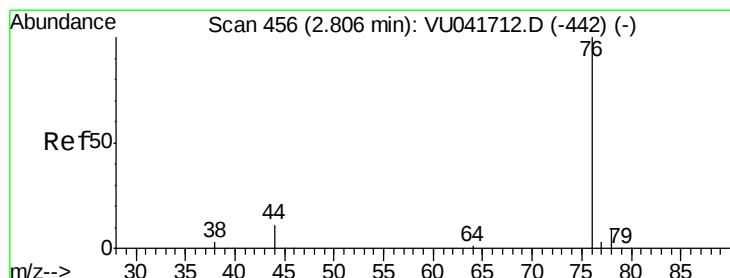
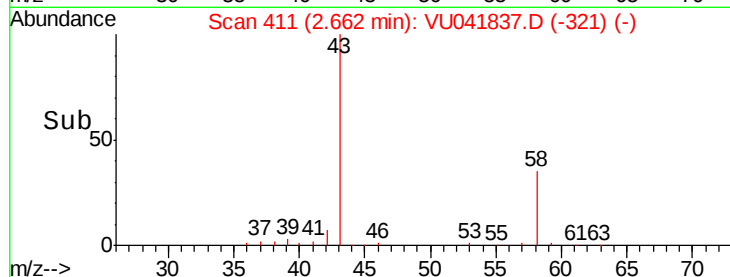
20000

10000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 5.226 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041837.D

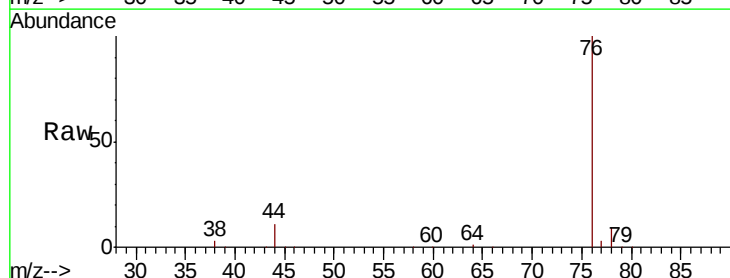
Acq: 04 Jan 2021 10:08

Tgt Ion: 76 Resp: 200334

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041712.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU041712.D (-442) (-)

2.80

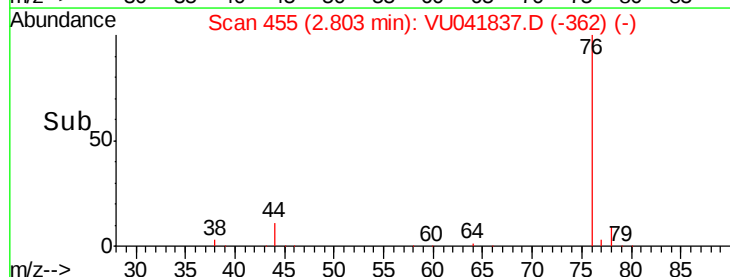
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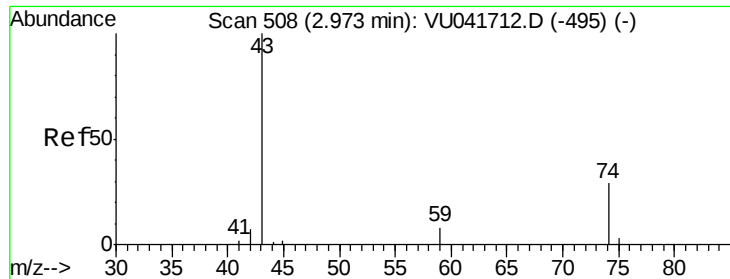
50000

0

2.75 2.80 2.85

Time-->





#15

Methvl Acetate

Concen: 4.645 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

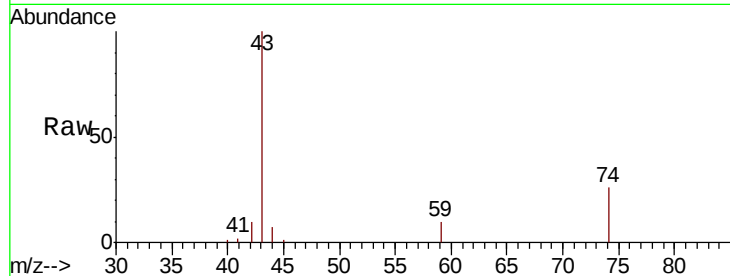
ClientSampled :

Tot Ion: 43 Resp: 28207

Ion Ratio Lower Upper

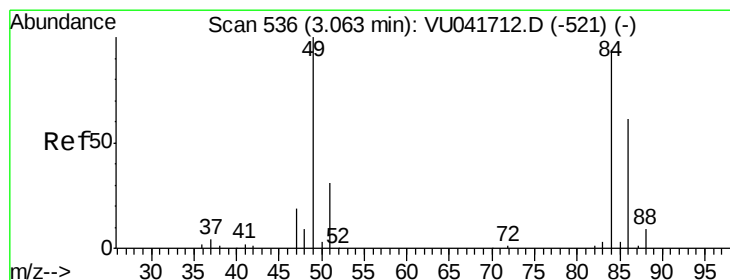
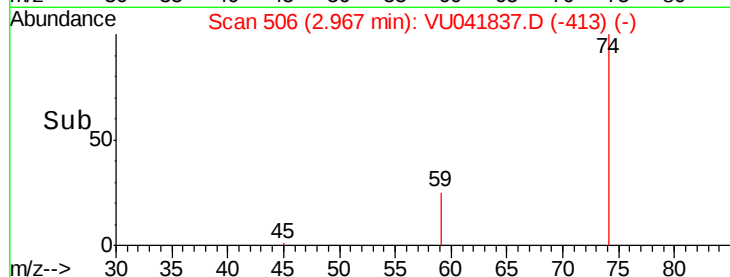
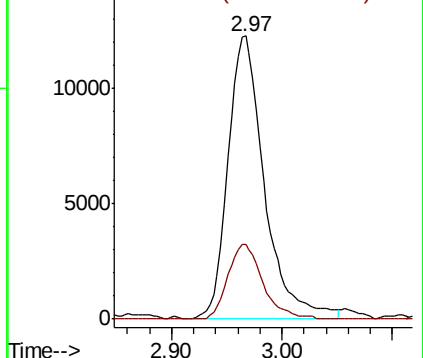
43 100

74 25.0 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.297 ug/L

RT: 3.06 min Scan# 534

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

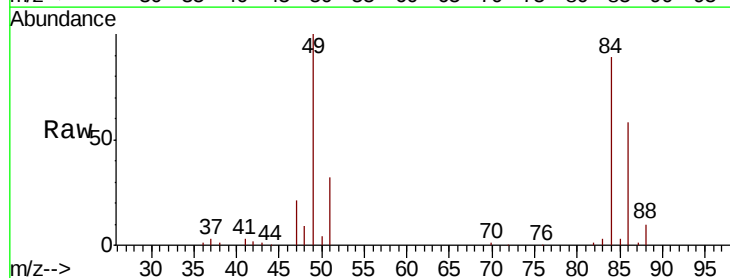
Tgt Ion: 84 Resp: 70170

Ion Ratio Lower Upper

84 100

86 64.5 45.1 83.7

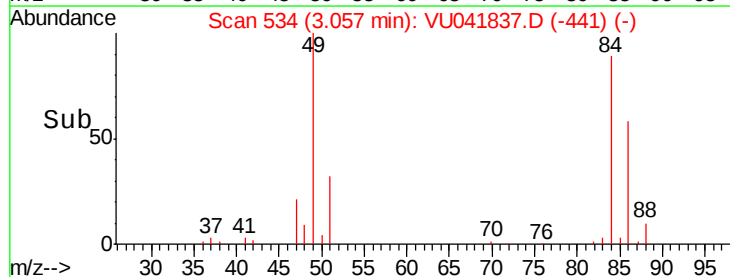
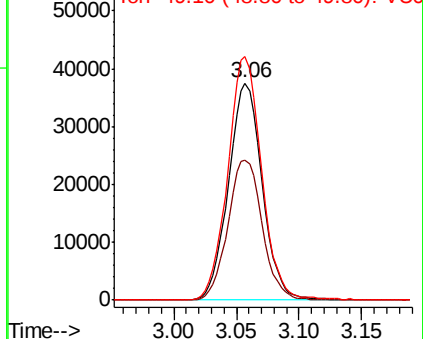
49 112.1 83.1 154.3

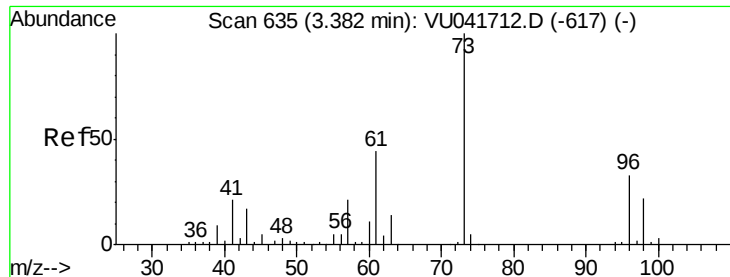


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

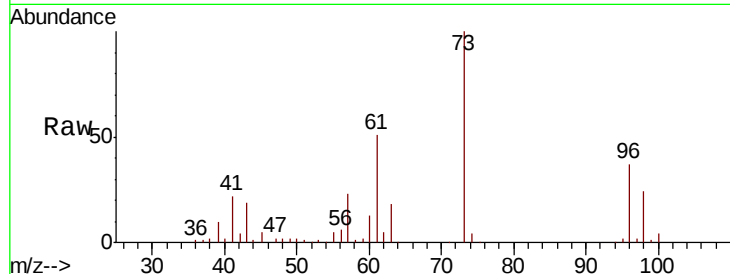




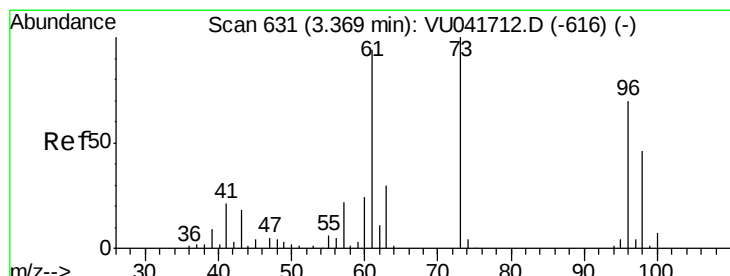
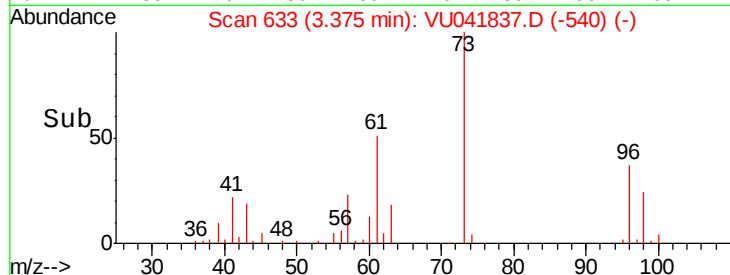
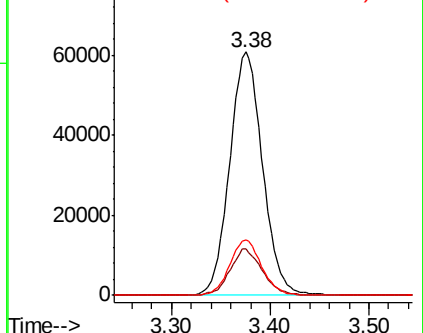
#17
Methvl tert-butvl Ether
Concen: 4.776 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 141335
Ion Ratio Lower Upper
73 100
43 18.7 14.7 22.1
57 22.1 18.2 27.4

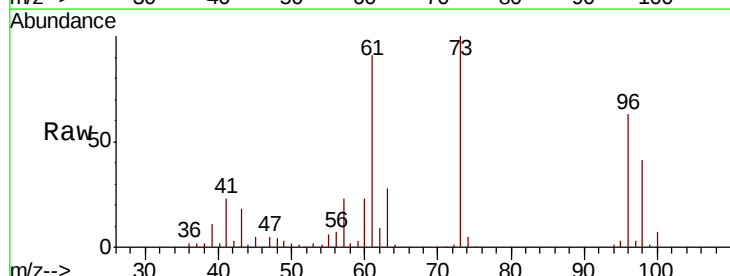


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

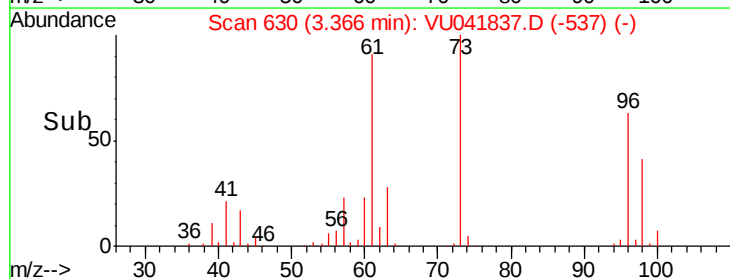
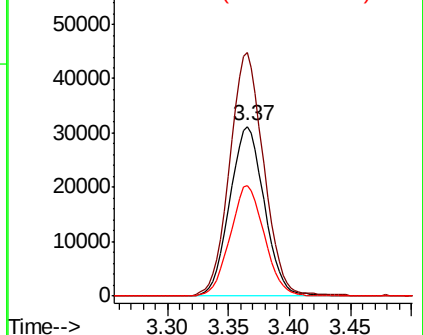


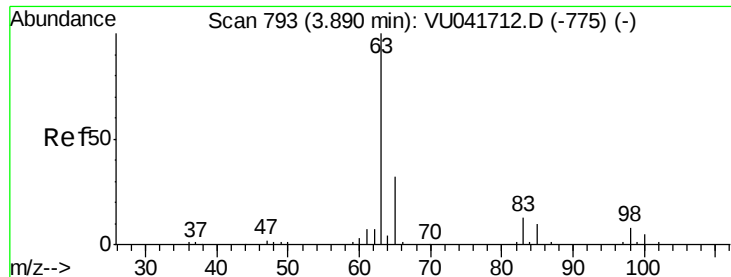
#18
trans-1,2-Dichloroethene
Concen: 5.389 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Tgt Ion: 96 Resp: 61827
Ion Ratio Lower Upper
96 100
61 143.4 101.8 189.0
98 65.4 44.4 82.5



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

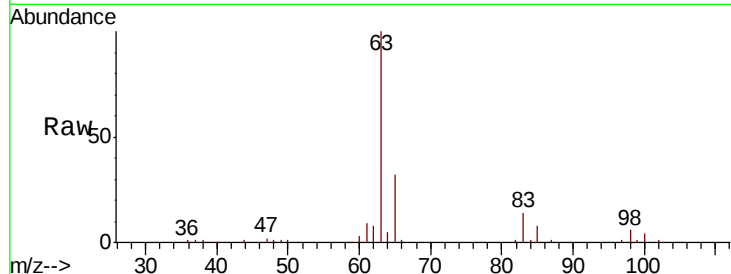




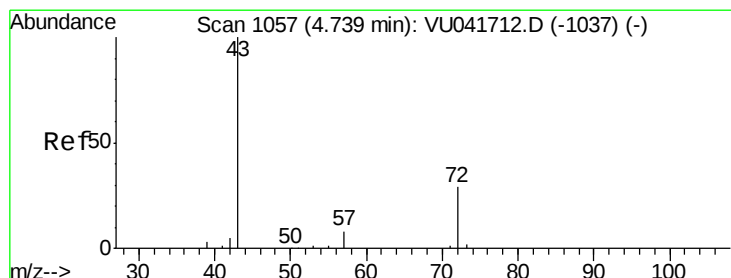
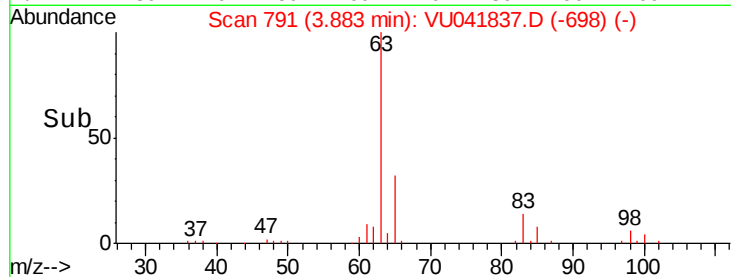
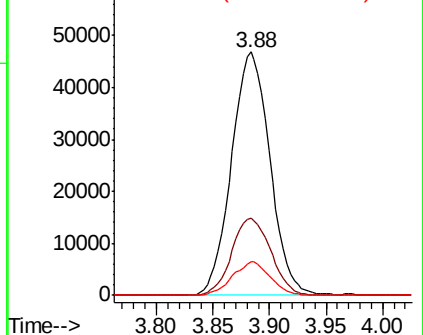
#19
 1,1-Dichloroethane
 Concen: 5.173 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 110930
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.3 39.6
 83 13.8 9.3 17.3

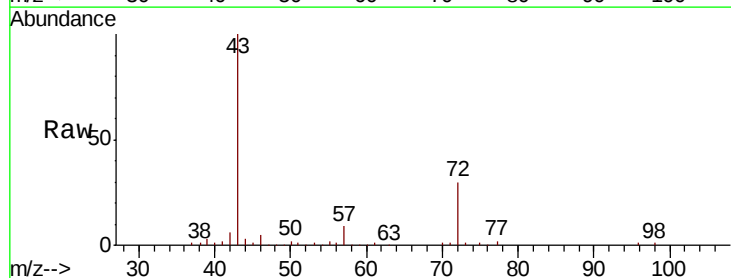


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

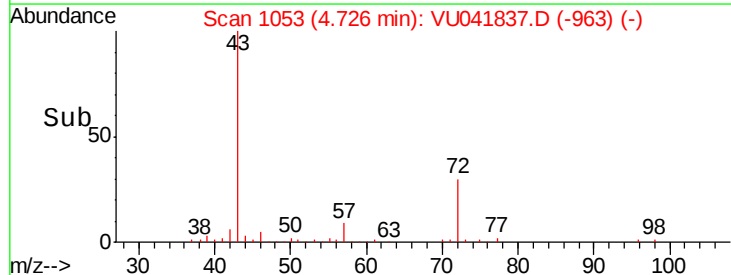
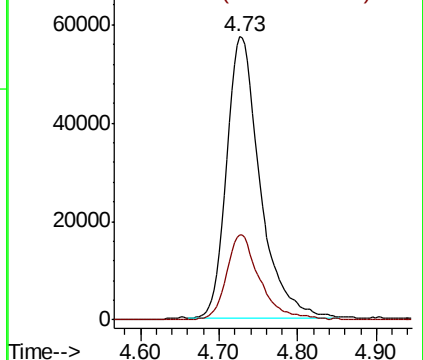


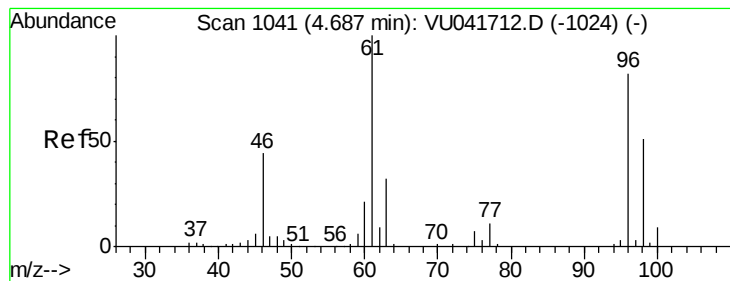
#21
 2-Butanone
 Concen: 44.121 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Tgt Ion: 43 Resp: 167852
 Ion Ratio Lower Upper
 43 100
 72 30.5 14.6 44.0



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: 4.827 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :
MSVOA_U
ClientSampleId :

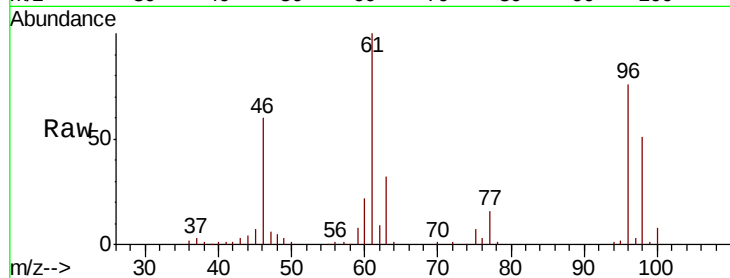
Tot Ion: 96 Resp: 61205

Ion Ratio Lower Upper

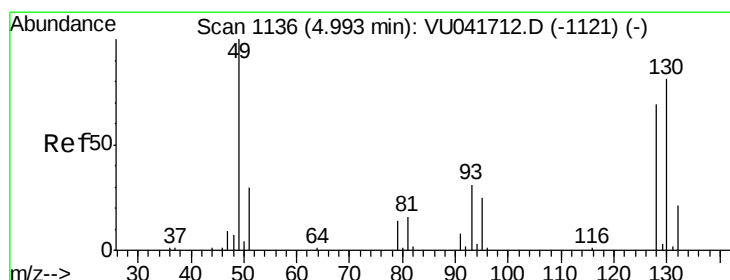
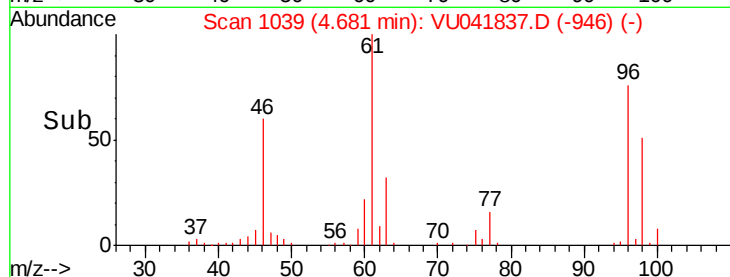
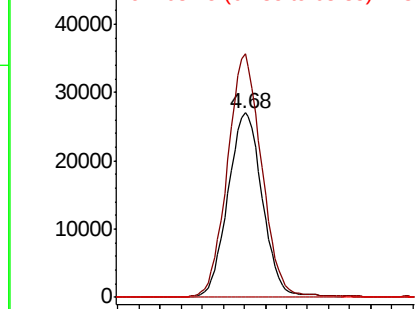
96 100

61 132.2 88.8 165.0

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: 5.162 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Tgt Ion:128 Resp: 30068

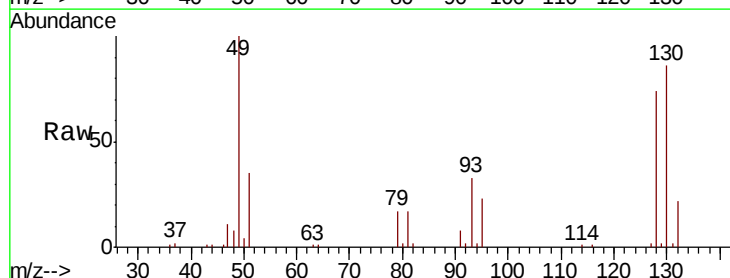
Ion Ratio Lower Upper

128 100

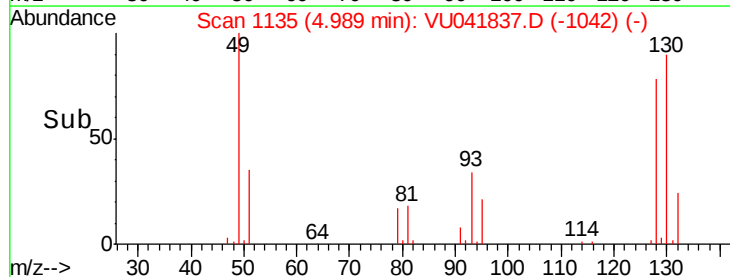
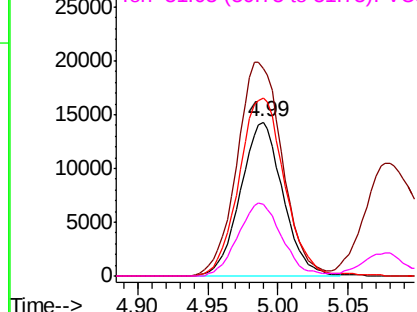
49 134.7 109.3 203.1

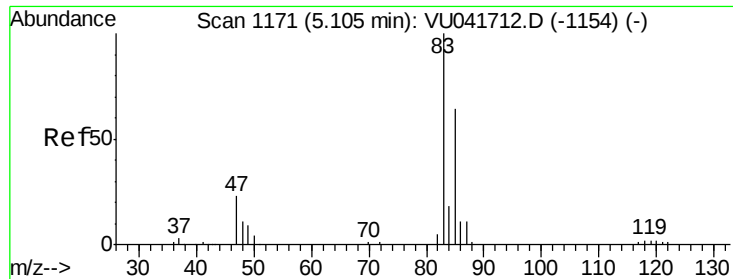
130 115.2 84.8 157.6

51 46.5 40.6 61.0



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

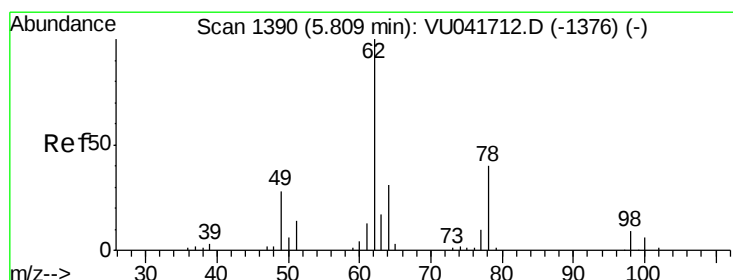
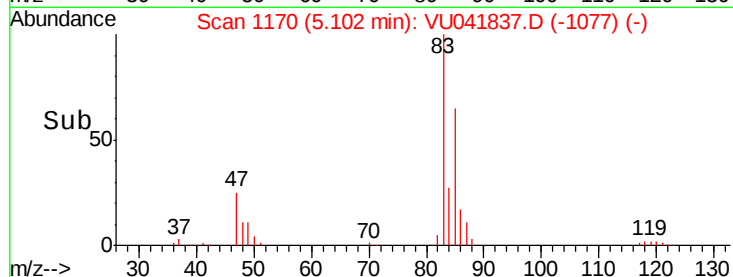
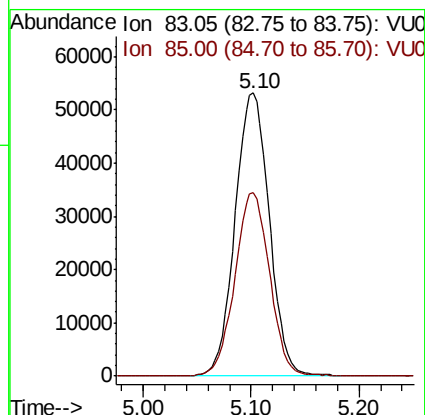
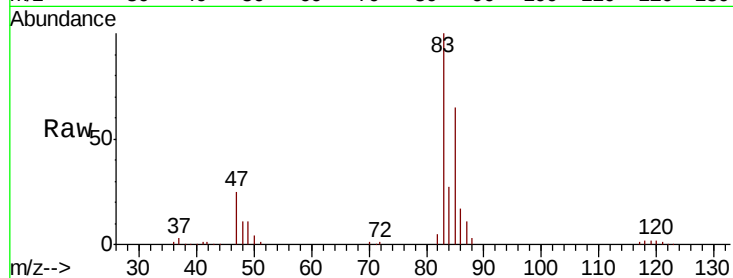




#25
Chloroform
Concen: 5.430 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

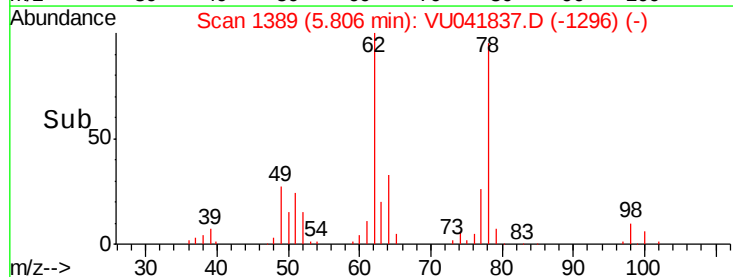
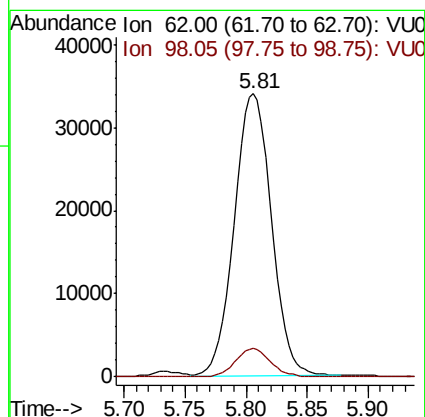
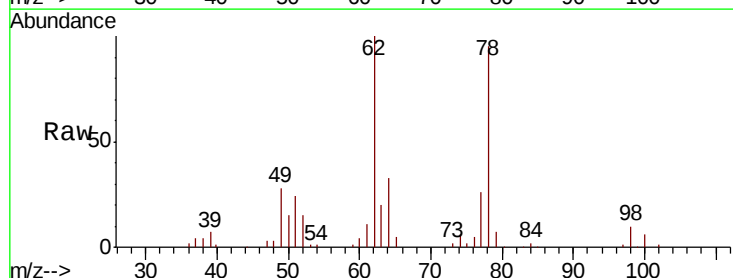
Instrument :
MSVOA_U
ClientSampleId :

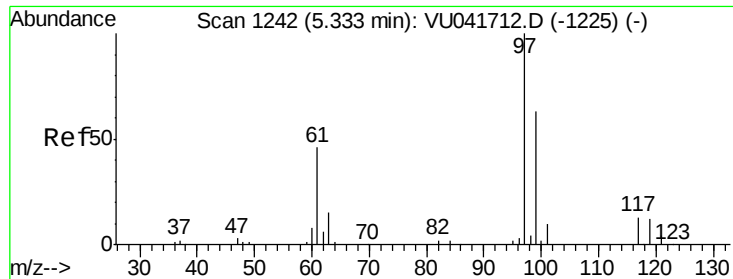
Tot Ion: 83 Resp: 117263
Ion Ratio Lower Upper
83 100
85 65.0 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.920 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Tgt Ion: 62 Resp: 71943
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.2

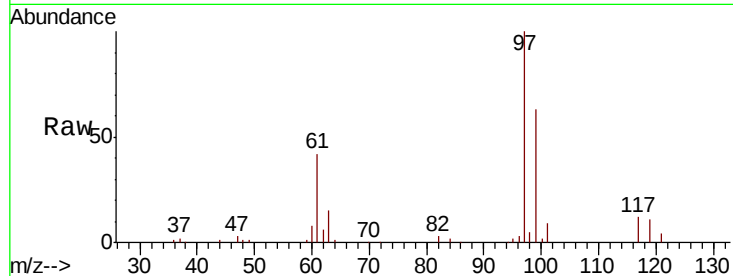




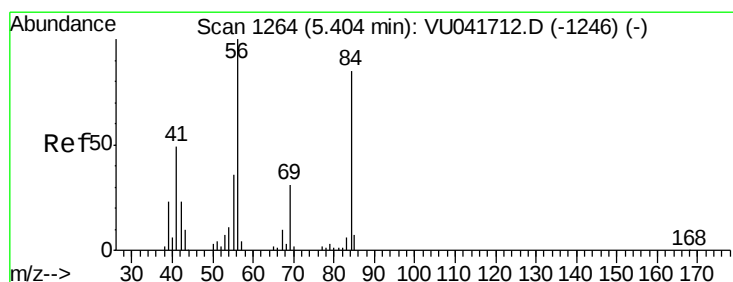
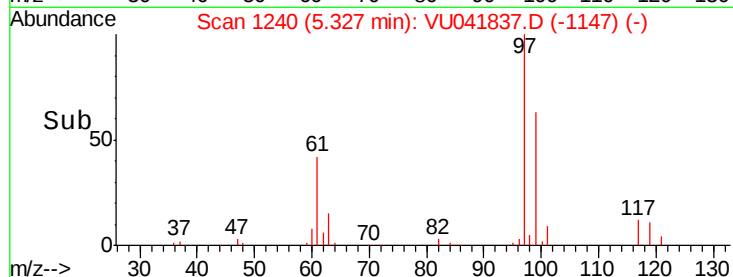
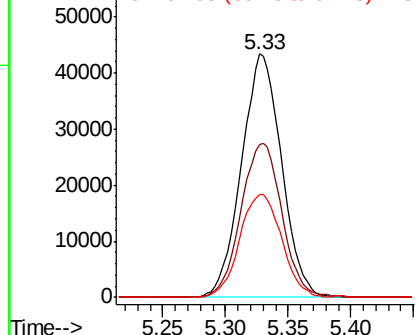
#29
 1,1,1-Trichloroethane
 Concen: 5.407 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 96381
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.3 76.9
 61 44.2 36.5 54.7

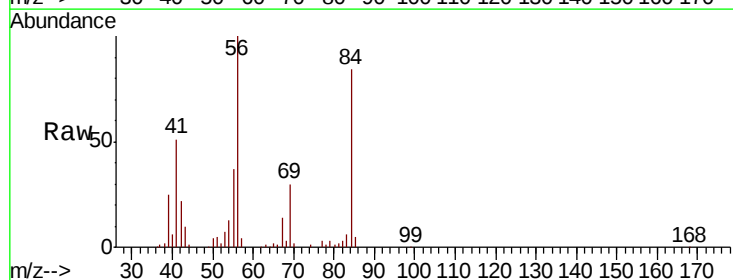


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

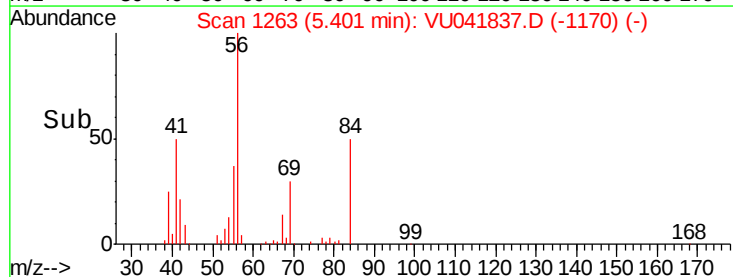
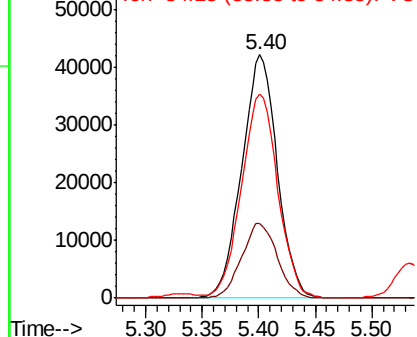


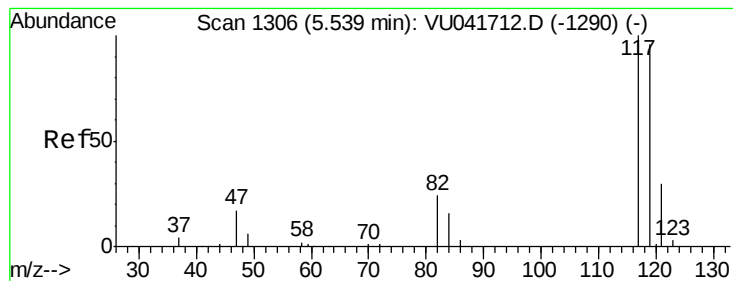
#30
 Cyclohexane
 Concen: 4.609 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Tgt Ion: 56 Resp: 92084
 Ion Ratio Lower Upper
 56 100
 69 30.8 23.8 35.8
 84 85.7 66.2 99.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.708 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

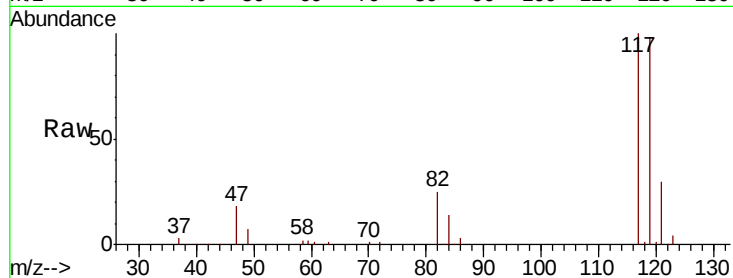
ClientSampleId :

Tot Ion:117 Resp: 87978

Ion Ratio Lower Upper

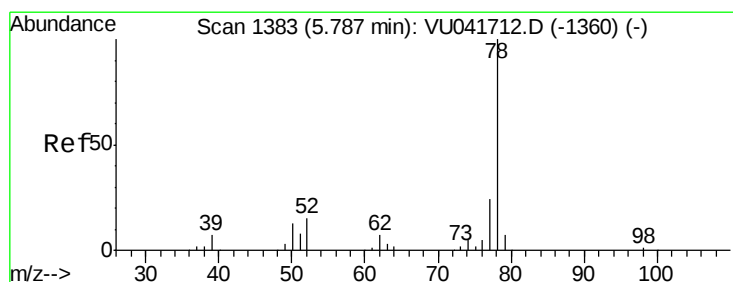
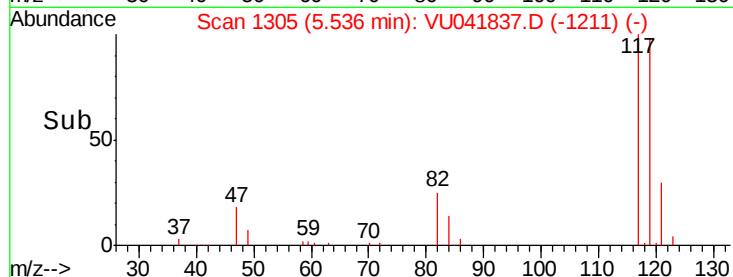
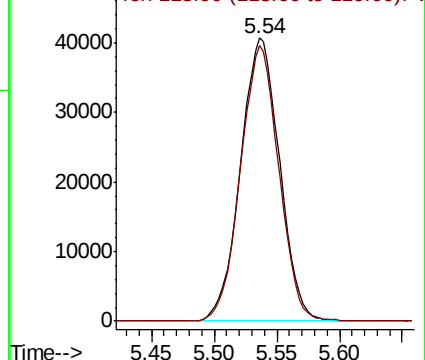
117 100

119 95.5 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.980 ug/L

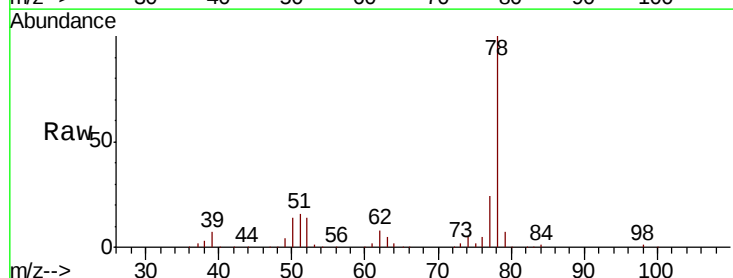
RT: 5.78 min Scan# 1382

Delta R.T. 0.00 min

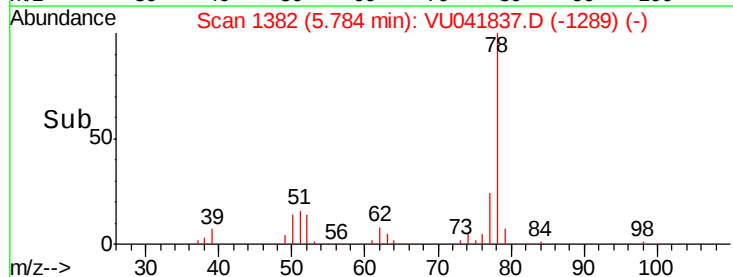
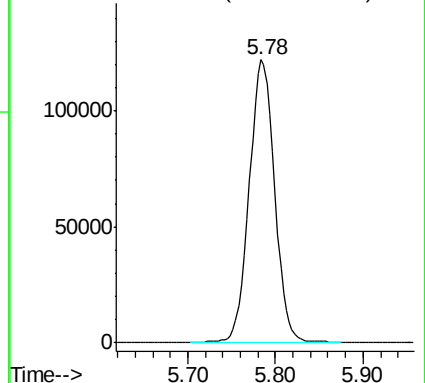
Lab File: VU041837.D

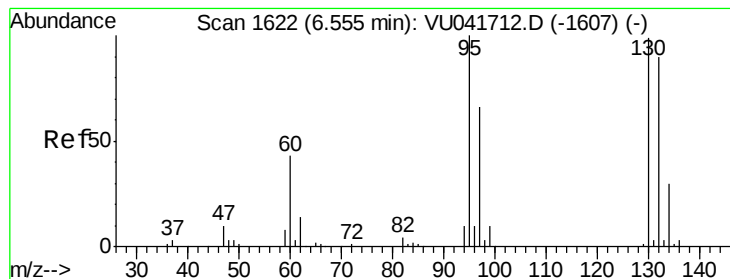
Acq: 04 Jan 2021 10:08

Tgt Ion: 78 Resp: 247207



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.825 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 60186

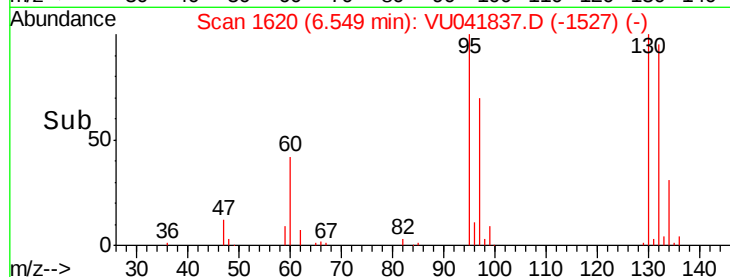
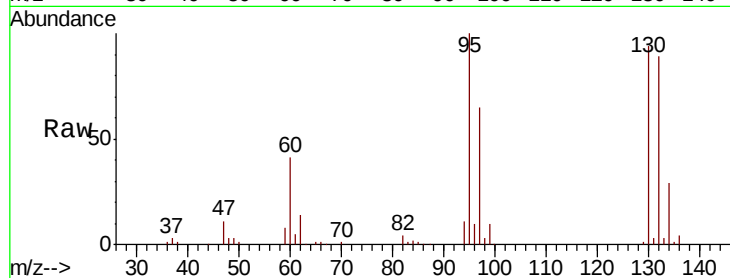
Ion Ratio Lower Upper

95 100

97 65.1 43.9 81.5

132 89.1 63.1 117.3

130 93.6 67.4 125.2

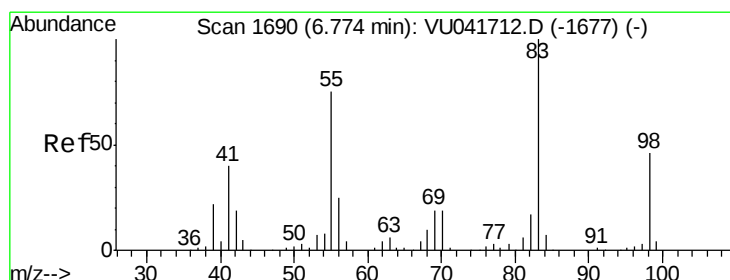
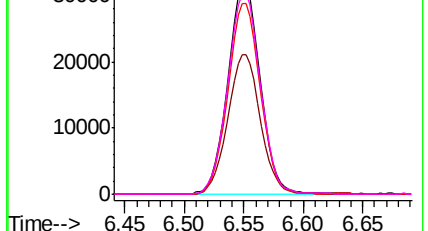


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.567 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

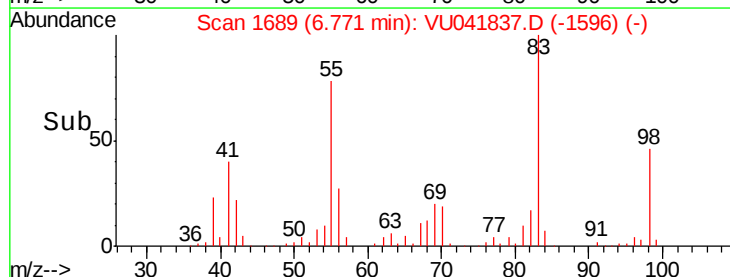
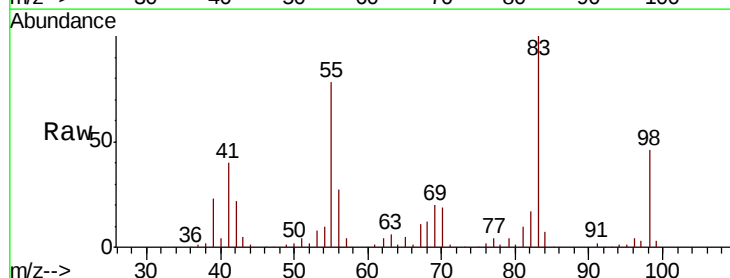
Tgt Ion: 83 Resp: 92085

Ion Ratio Lower Upper

83 100

55 80.0 61.2 91.8

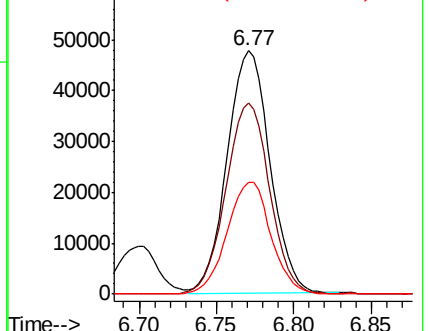
98 47.0 36.6 54.8

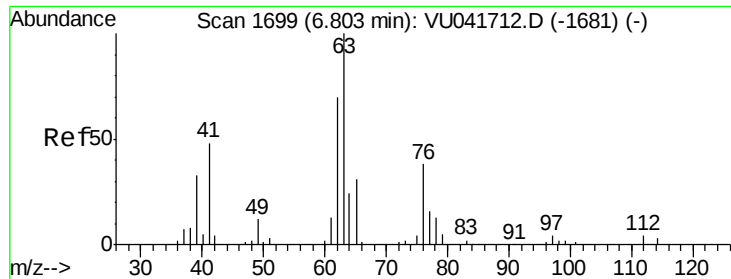


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.792 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

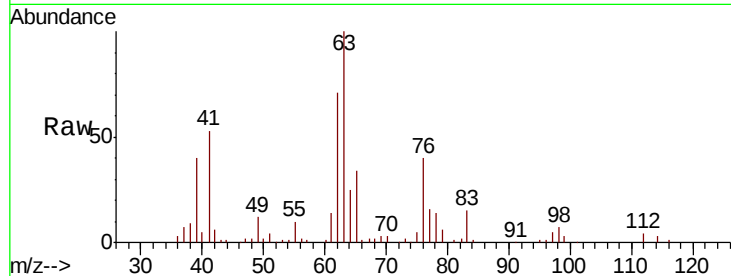
ClientSampleId :

Tot Ion: 63 Resp: 60850

Ion Ratio Lower Upper

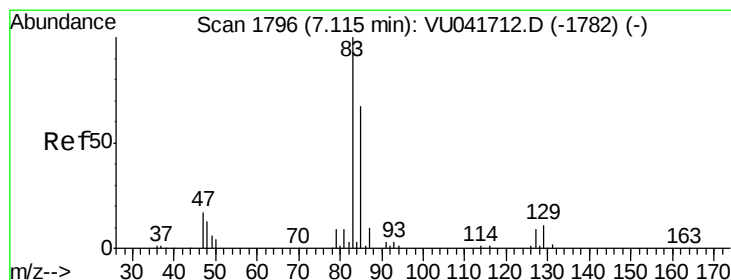
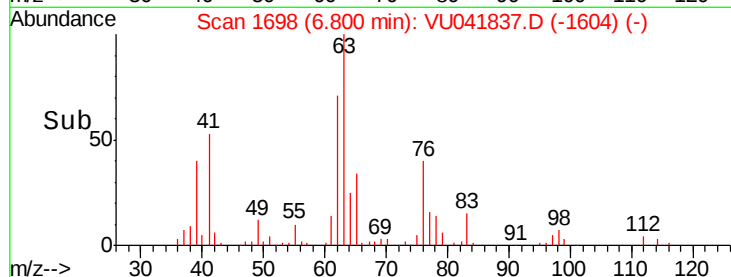
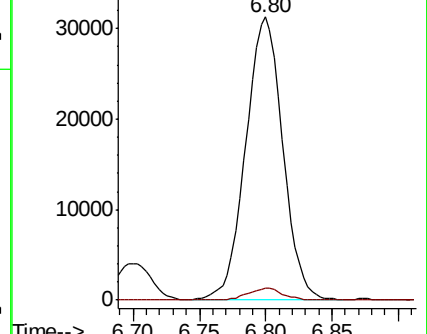
63 100

112 3.8 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.008 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

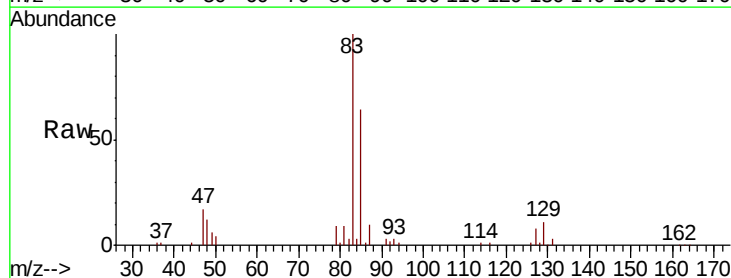
Tgt Ion: 83 Resp: 79102

Ion Ratio Lower Upper

83 100

85 64.2 45.5 84.5

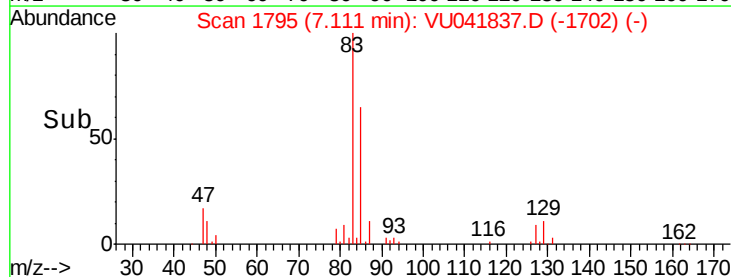
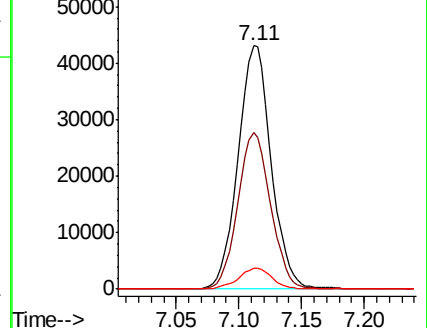
127 8.4 7.0 10.6

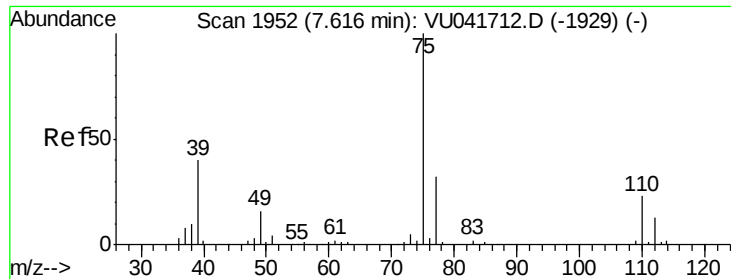


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

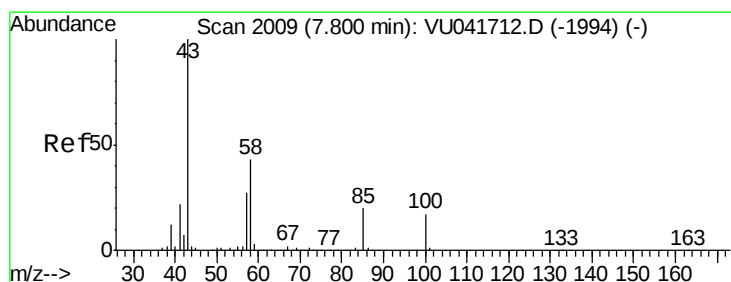
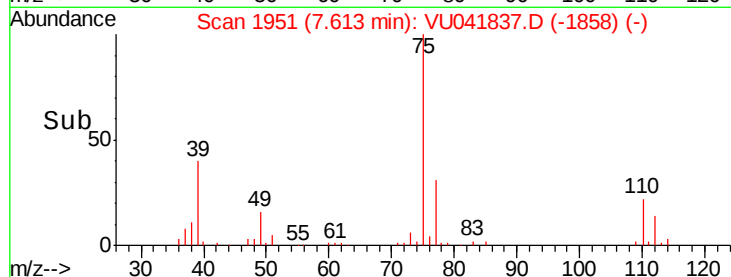
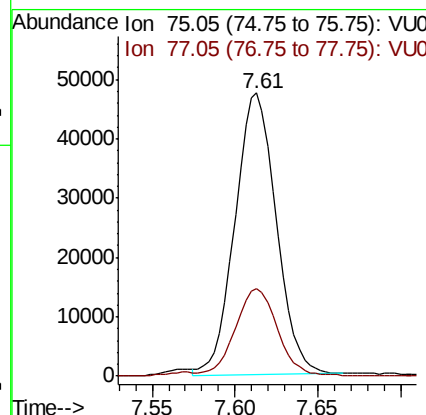
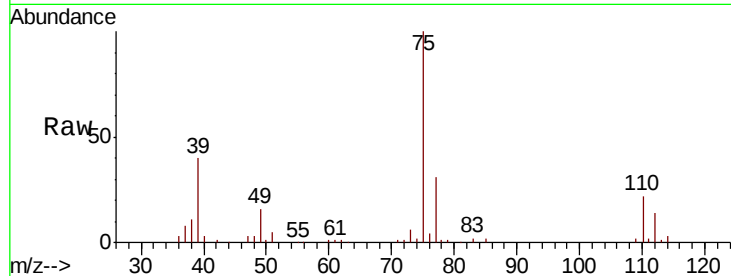




#39
 cis-1,3-Dichloropropene
 Concen: 4.367 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

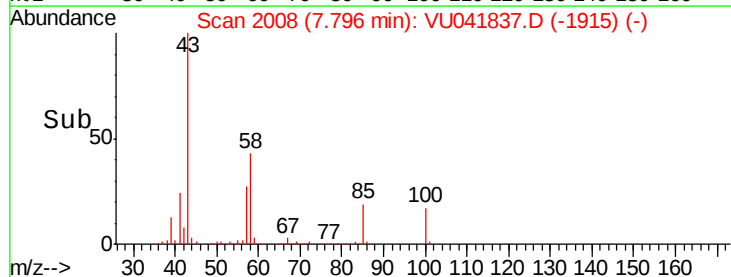
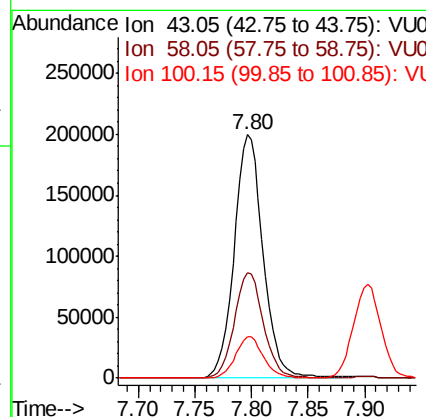
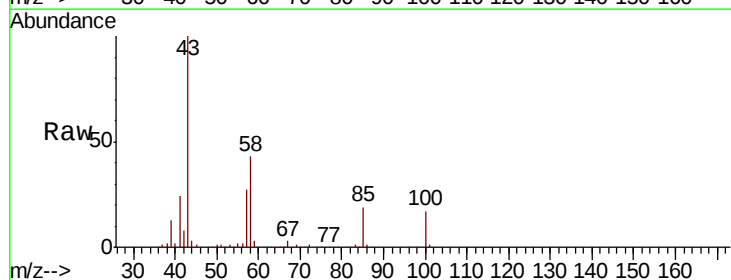
Instrument :
 MSVOA_U
 ClientSampled :

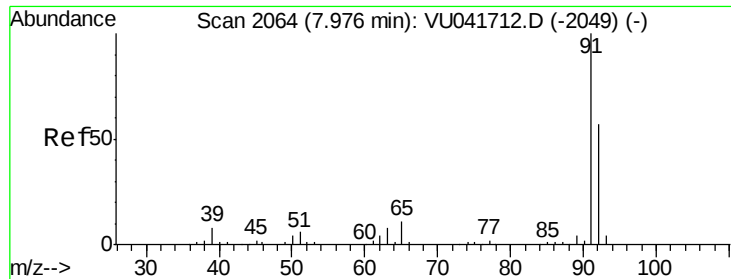
Tot Ion: 75 Resp: 82169
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 39.229 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Tgt Ion: 43 Resp: 354431
 Ion Ratio Lower Upper
 43 100
 58 43.6 34.2 51.2
 100 16.5 12.3 18.5





#42

Toluene

Concen: 4.784 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

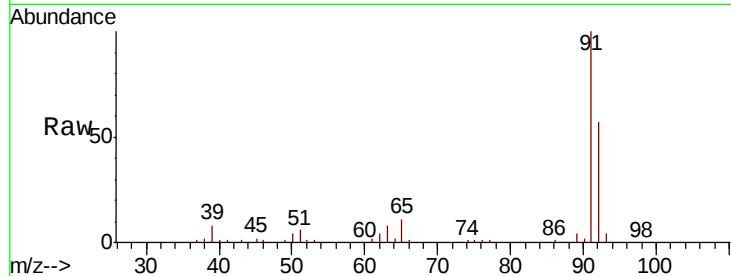
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 245205

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041837.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041837.D (-1970) (-)

7.97

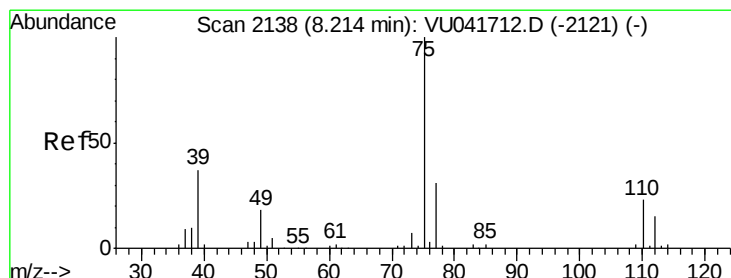
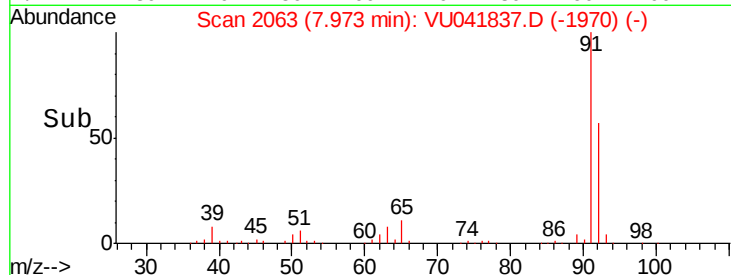
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.645 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041837.D

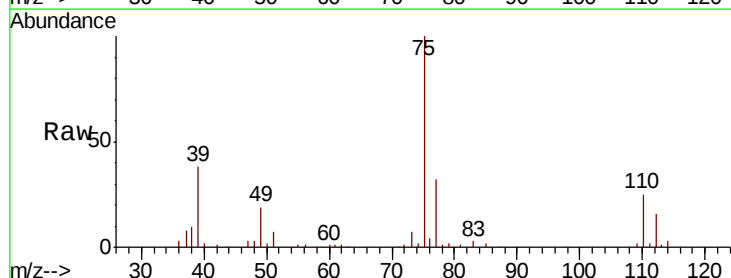
Acq: 04 Jan 2021 10:08

Tgt Ion: 75 Resp: 78157

Ion Ratio Lower Upper

75 100

77 31.7 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041837.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041837.D (-2045) (-)

8.21

50000

40000

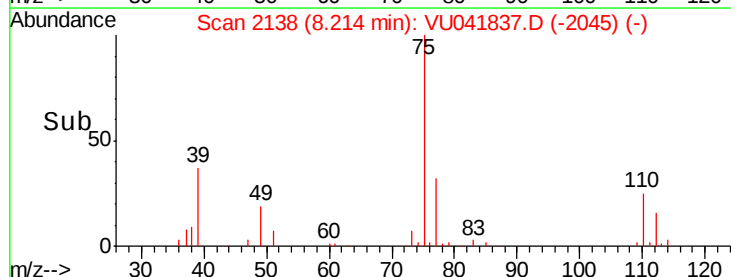
30000

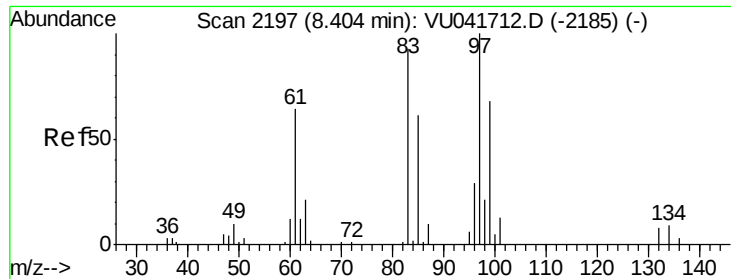
20000

10000

0

Time-->

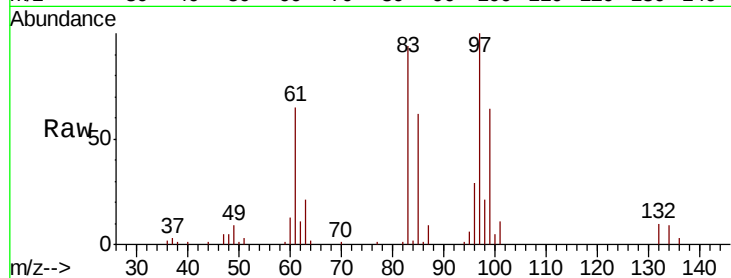




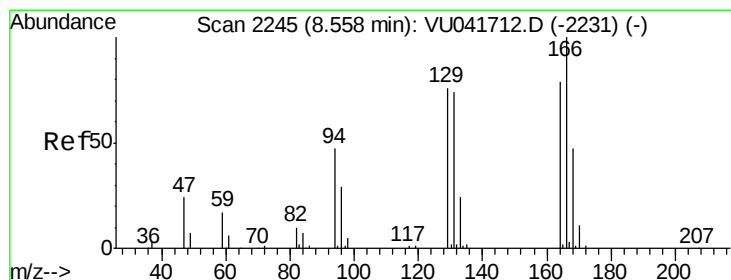
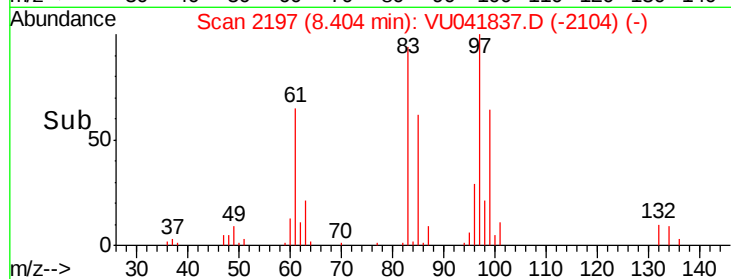
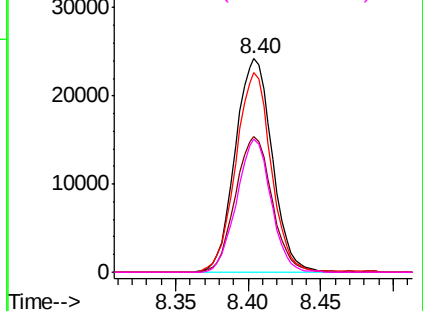
#45
1,1,2-Trichloroethane
Concen: 4.579 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	42997
Ion	Ratio	Lower	Upper
97	100		
99	63.6	42.1	78.3
83	93.8	62.6	116.2
85	62.3	39.1	72.7

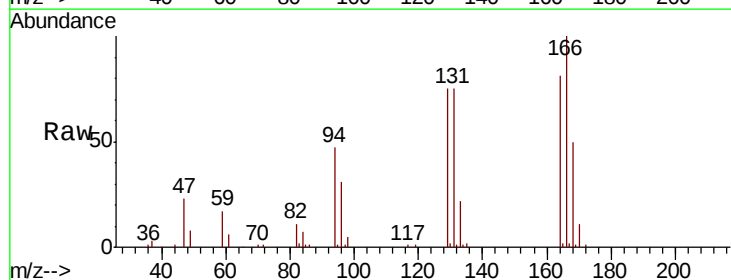


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

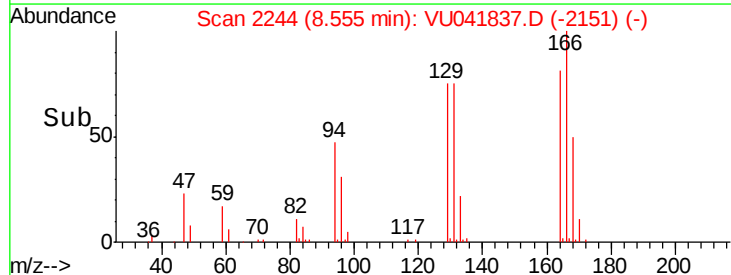
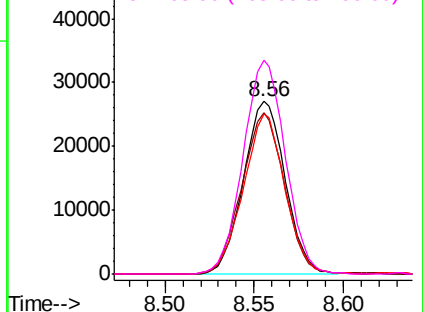


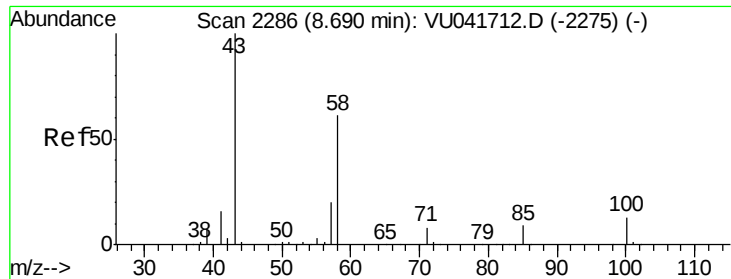
#47
Tetrachloroethene
Concen: 5.068 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Tgt Ion:	164	Resp:	44257
Ion	Ratio	Lower	Upper
164	100		
129	93.4	72.2	134.0
131	93.2	66.9	124.3
166	124.0	89.6	166.4



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

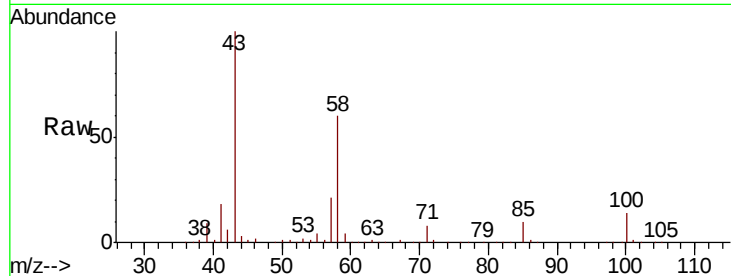




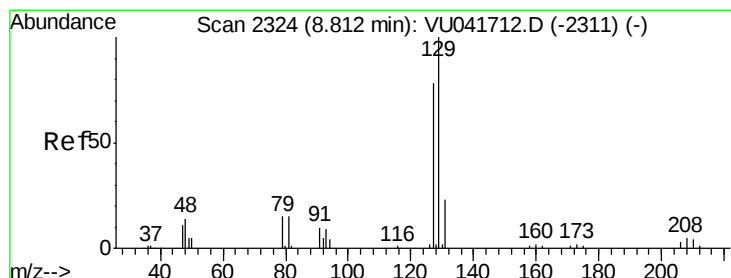
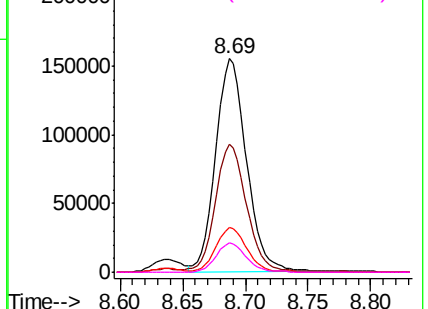
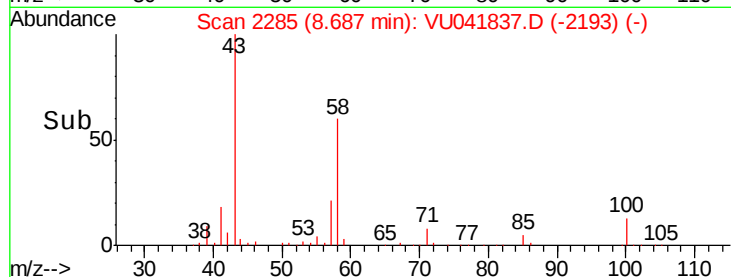
#48
2-Hexanone
Concen: 40.262 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 264738
Ion Ratio Lower Upper
43 100
58 60.3 47.9 71.9
57 21.0 16.5 24.7
100 13.5 9.4 14.2

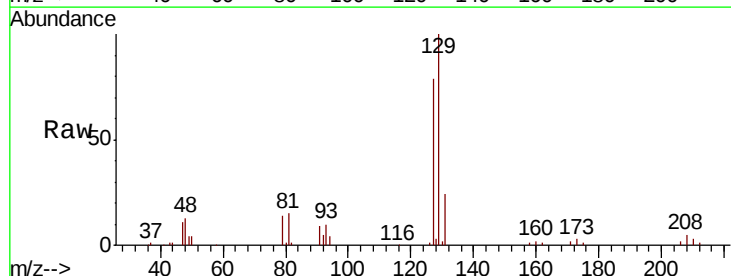


Abundance Ion 43.05 (42.75 to 43.75): VU041837.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041837.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041837.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041837.D (-2193) (-)

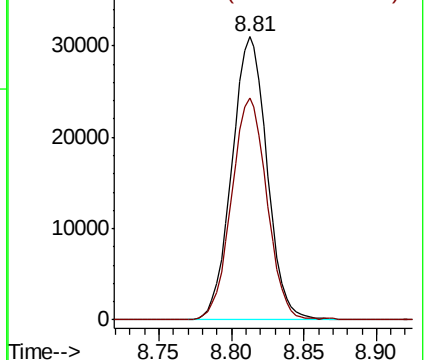
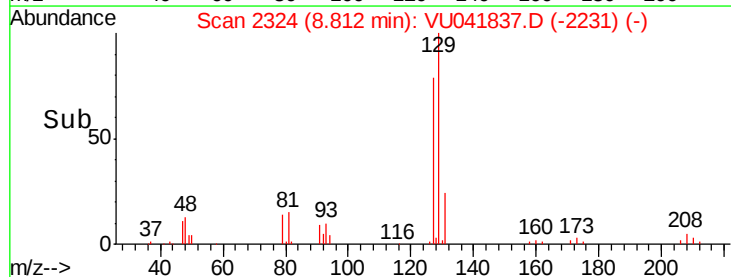


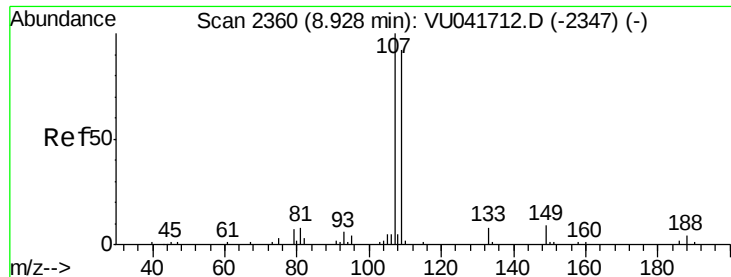
#49
Dibromochloromethane
Concen: 4.826 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Tgt Ion: 129 Resp: 52050
Ion Ratio Lower Upper
129 100
127 78.6 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041837.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041837.D (-2231) (-)

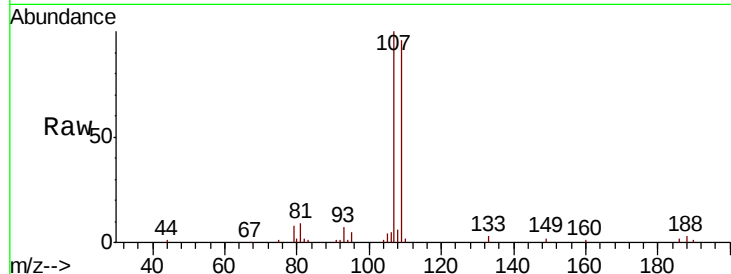




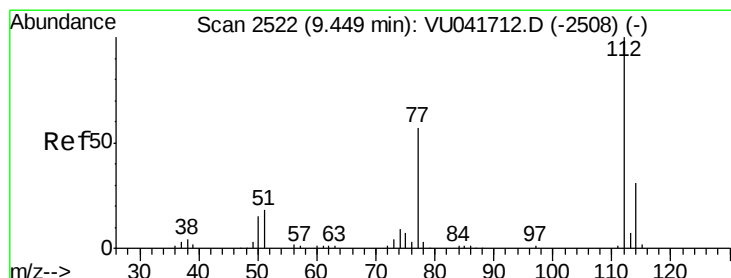
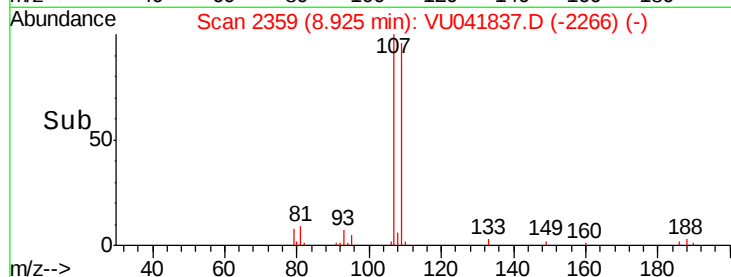
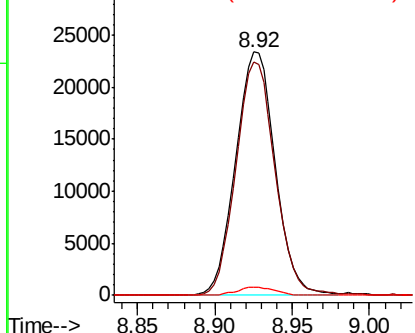
#50
 1,2-Dibromoethane
 Concen: 4.470 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 41518
 Ion Ratio Lower Upper
 107 100
 109 96.0 65.6 121.8
 188 3.3 2.6 4.0

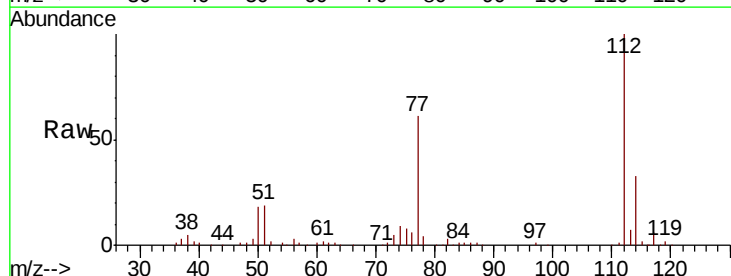


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

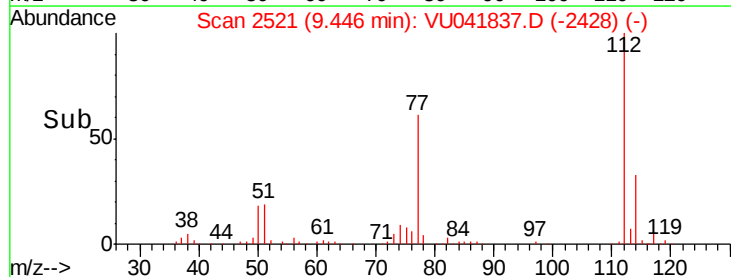
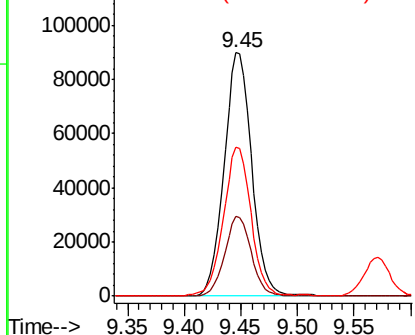


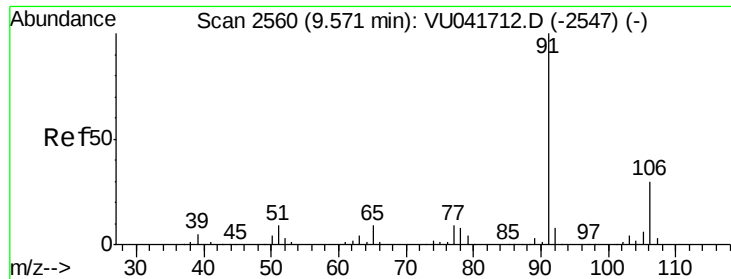
#51
 Chlorobenzene
 Concen: 4.804 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Tgt Ion:112 Resp: 153058
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.7 42.3
 77 61.3 49.1 73.7



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): V





#52

Ethylbenzene

Concen: 4.567 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

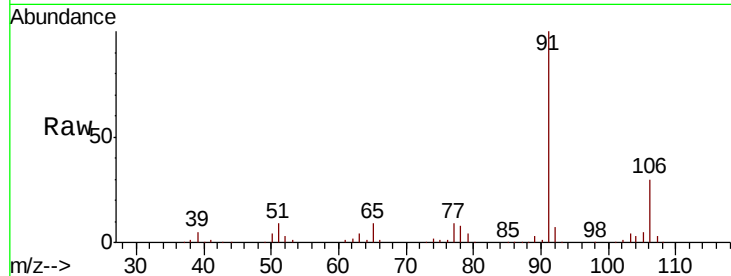
ClientSampleId :

Tot Ion: 91 Resp: 249234

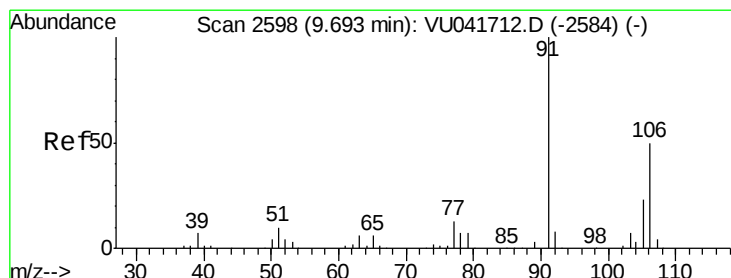
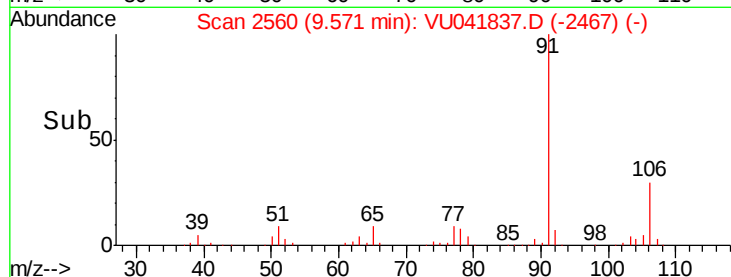
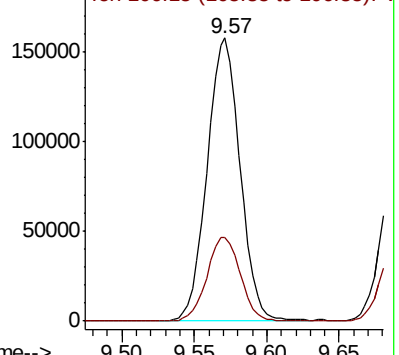
Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041837.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.869 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041837.D

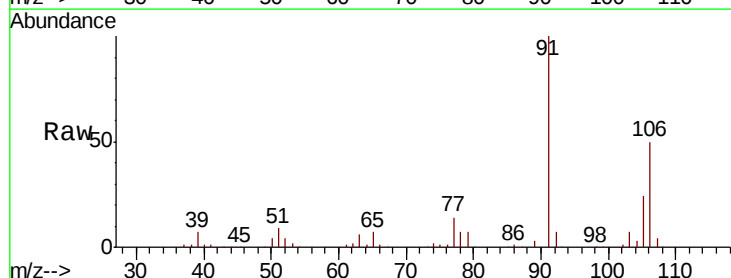
Acq: 04 Jan 2021 10:08

Tgt Ion: 106 Resp: 99110

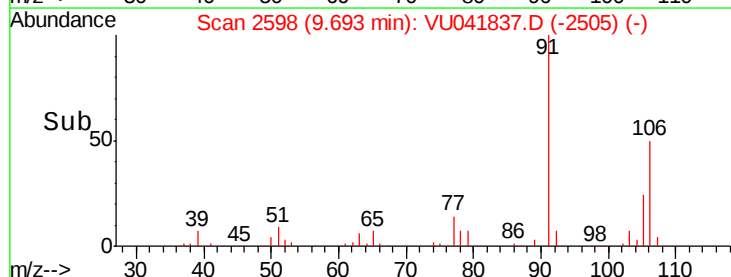
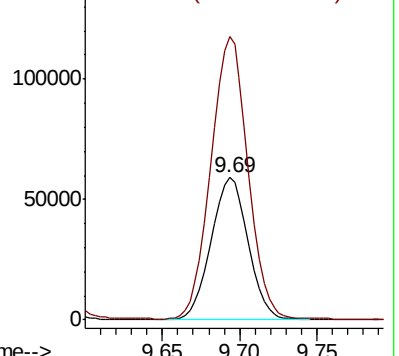
Ion Ratio Lower Upper

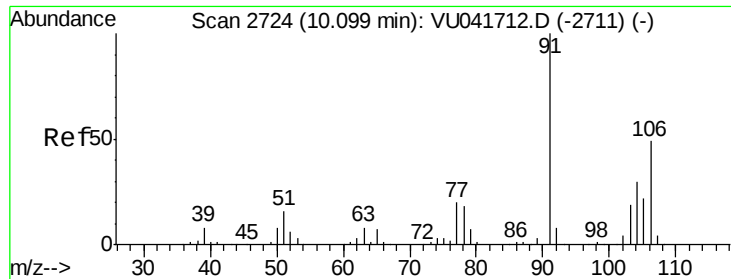
106 100

91 198.8 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041837.D (-2598) (-)

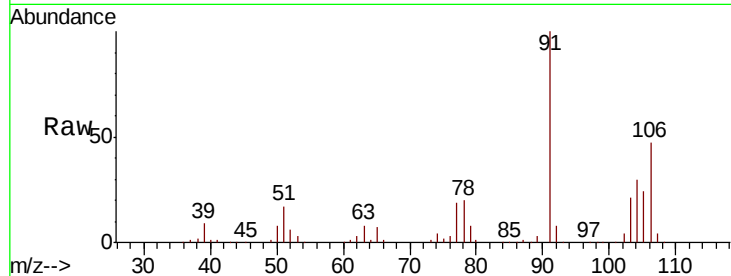




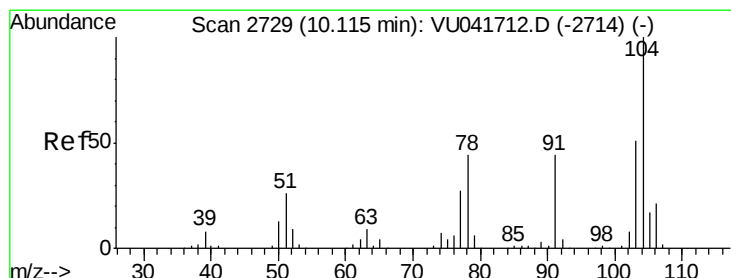
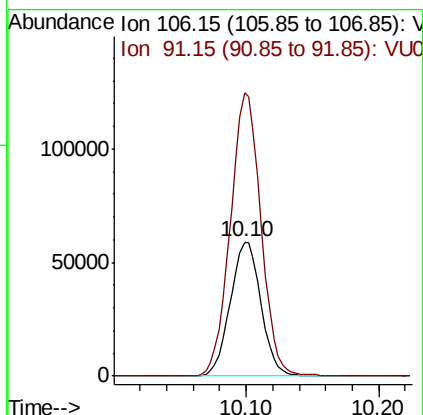
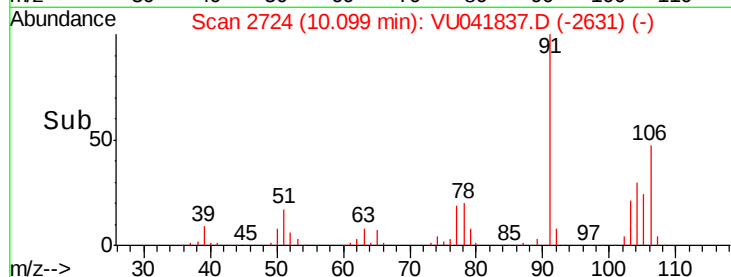
#54
o-Xylene
Concen: 4.756 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 94821
Ion Ratio Lower Upper
106 100
91 211.3 151.3 281.1

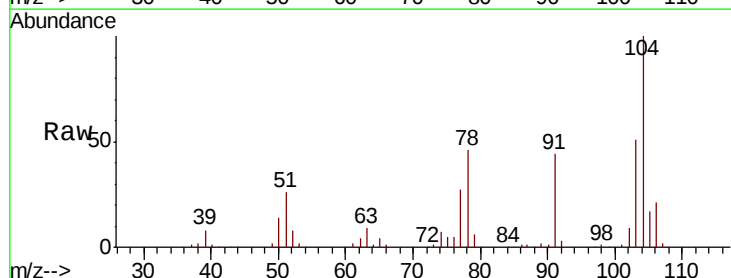


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

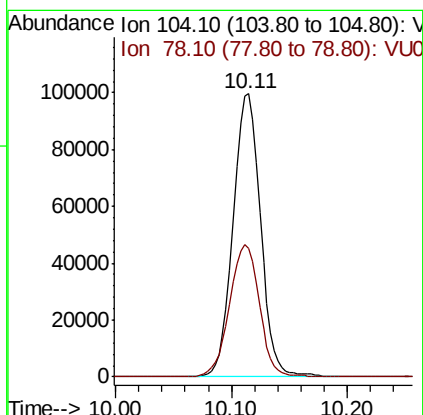
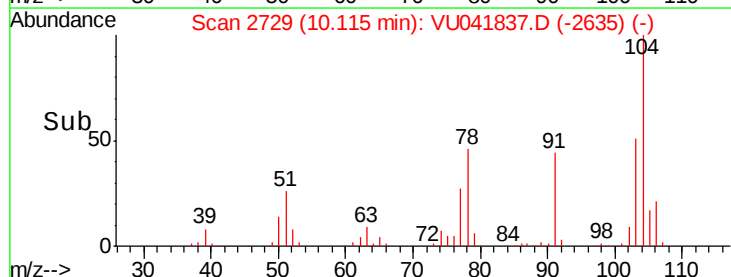


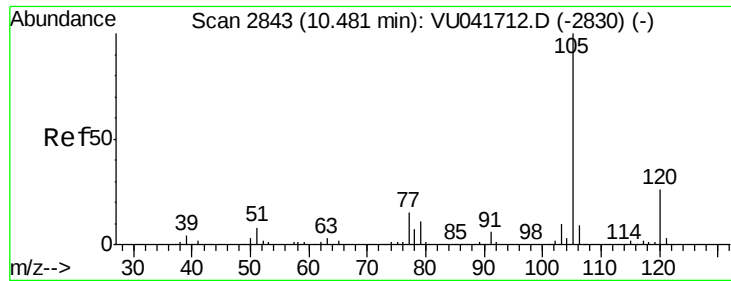
#55
Styrene
Concen: 4.731 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041837.D
Acq: 04 Jan 2021 10:08

Tgt Ion:104 Resp: 162904
Ion Ratio Lower Upper
104 100
78 45.6 31.1 57.9



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





#56

Isopropylbenzene

Concen: 4.676 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

ClientSampleId :

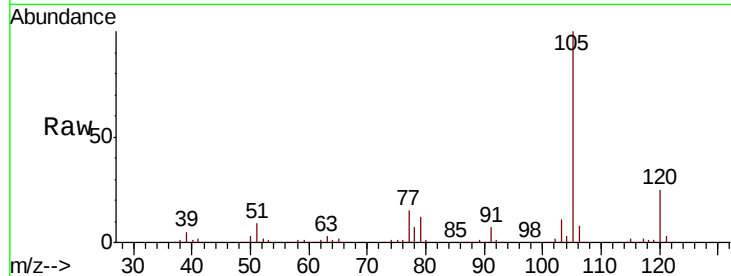
Tot Ion:105 Resp: 248123

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

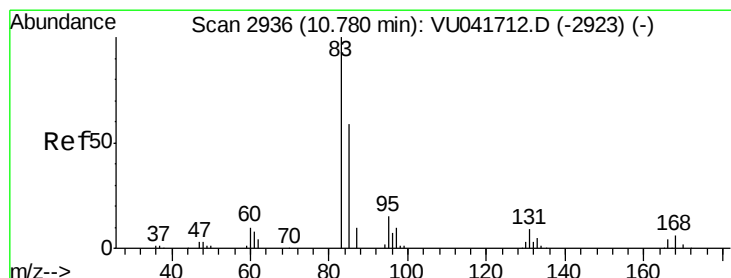
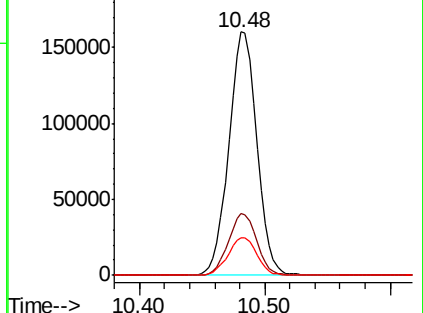
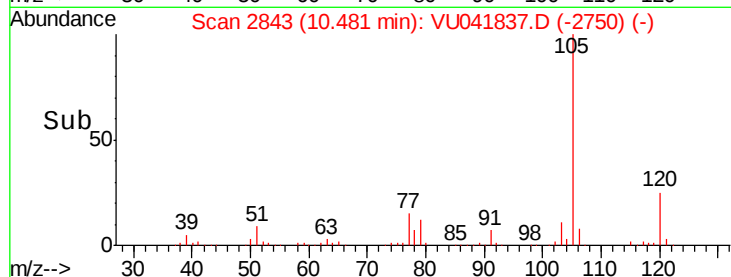
77 16.1 12.7 19.1



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: 4.330 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

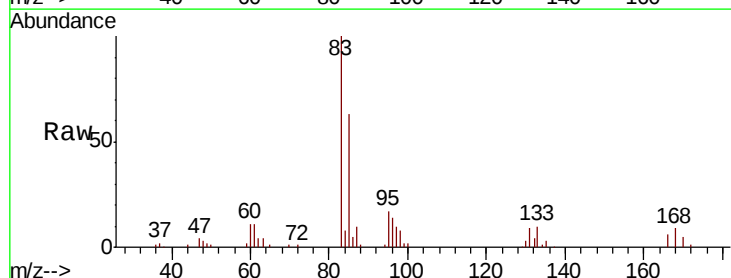
Tgt Ion: 83 Resp: 56579

Ion Ratio Lower Upper

83 100

85 63.5 46.1 85.7

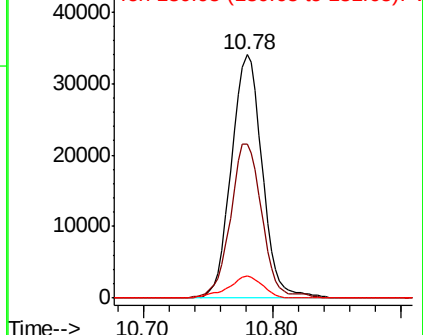
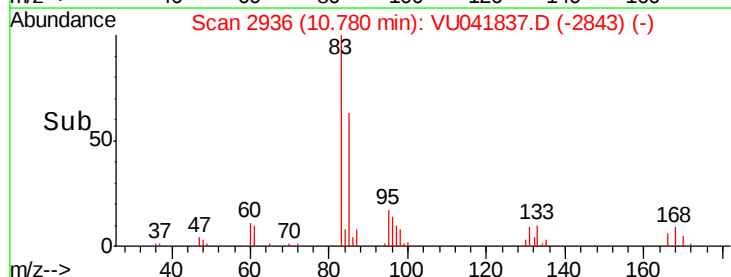
131 9.2 7.8 11.6

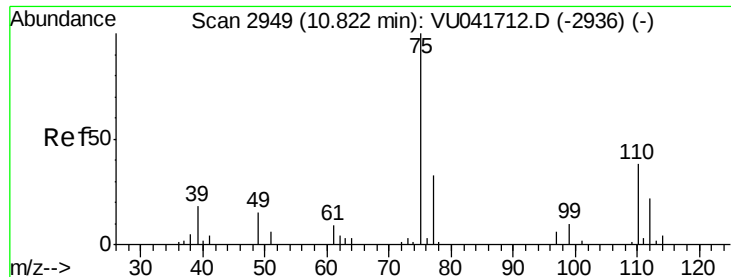


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

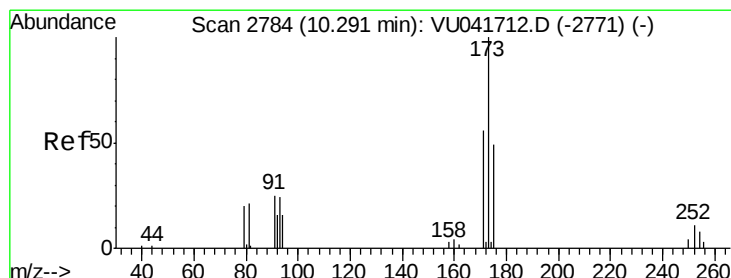
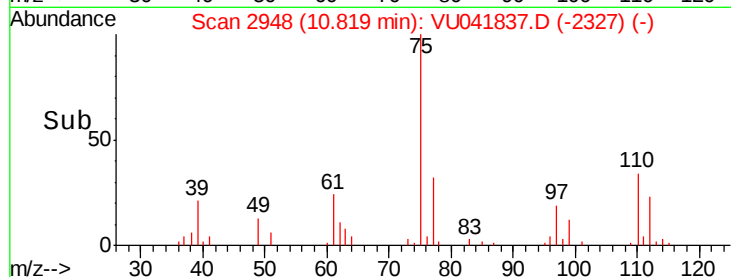
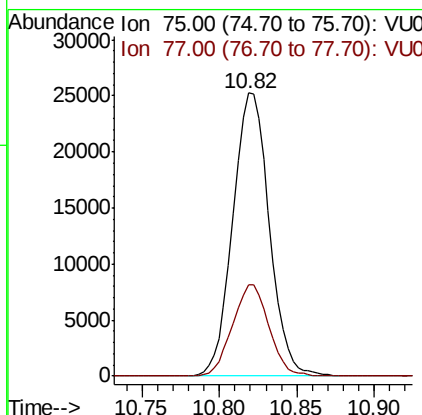
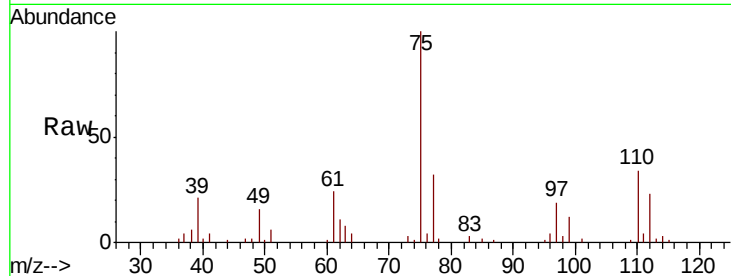




#59
 1,2,3-Trichloropropane
 Concen: 4.334 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

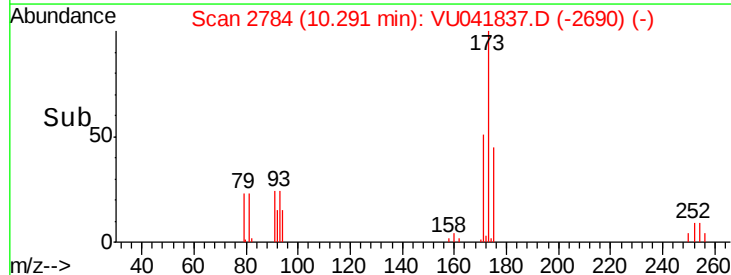
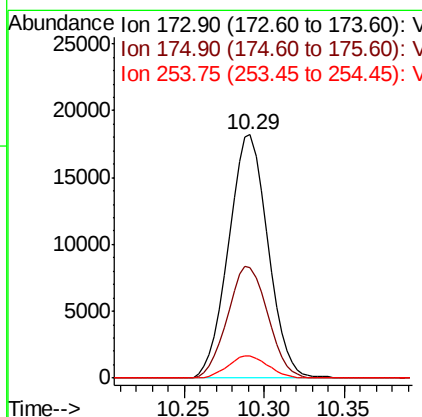
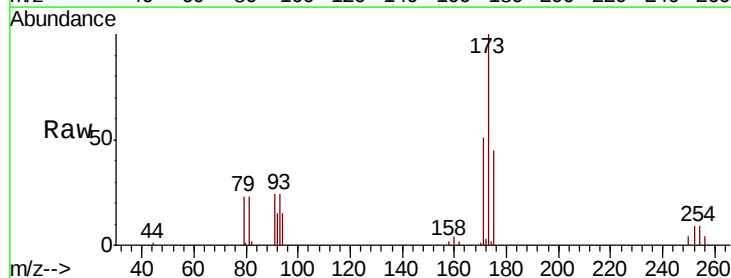
Instrument :
 MSVOA_U
 ClientSampleId :

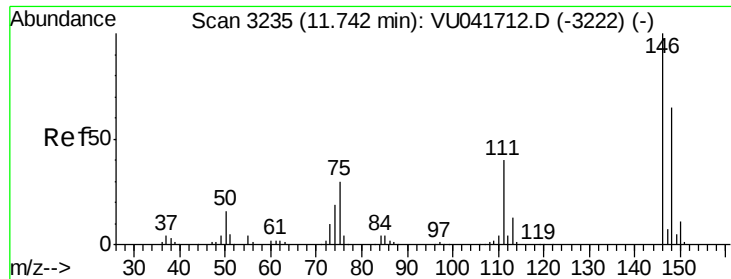
Tot Ion: 75 Resp: 41329
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.2



#61
 Bromoform
 Concen: 5.030 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Tgt Ion: 173 Resp: 30567
 Ion Ratio Lower Upper
 173 100
 175 46.9 37.3 55.9
 254 9.2 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 4.867 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

ClientSampled :

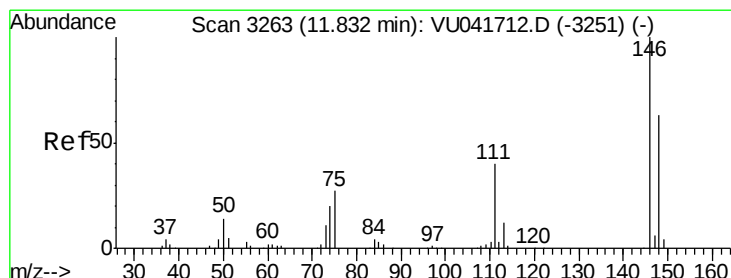
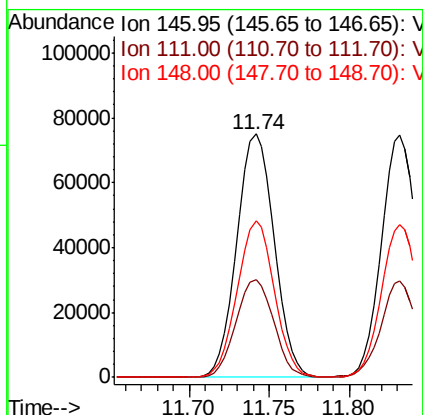
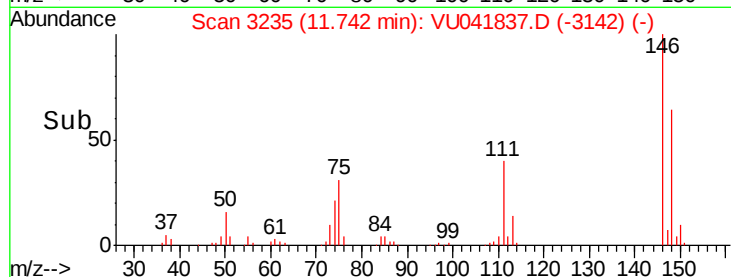
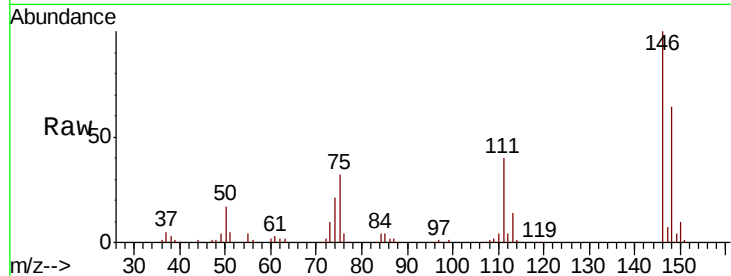
Tot Ion:146 Resp: 119649

Ion Ratio Lower Upper

146 100

111 40.2 30.0 55.8

148 64.1 44.9 83.3



#63

1,4-Dichlorobenzene

Concen: 4.760 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

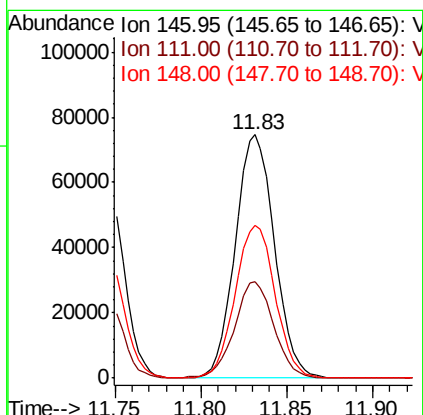
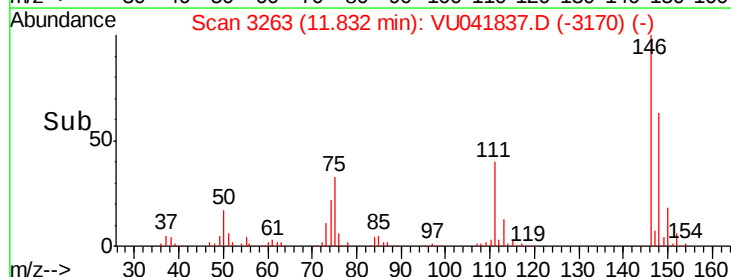
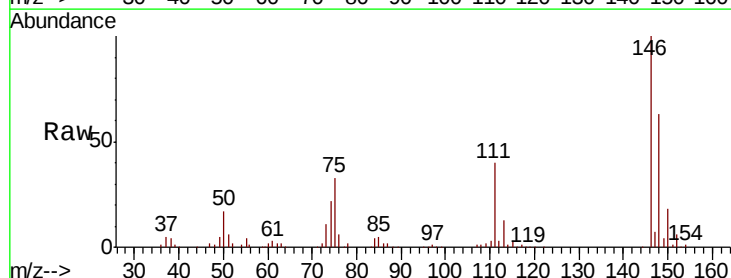
Tgt Ion:146 Resp: 117670

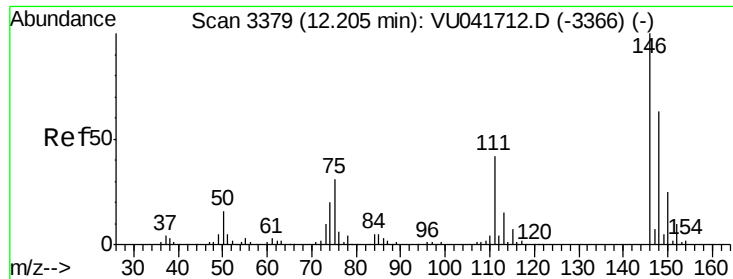
Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.9

148 62.8 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 4.689 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

ClientSampleId :

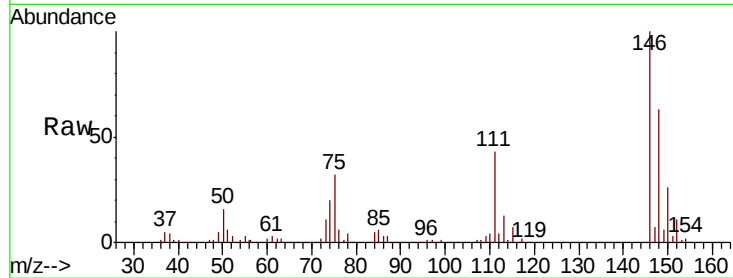
Tot Ion:146 Resp: 112892

Ion Ratio Lower Upper

146 100

111 43.0 35.0 52.6

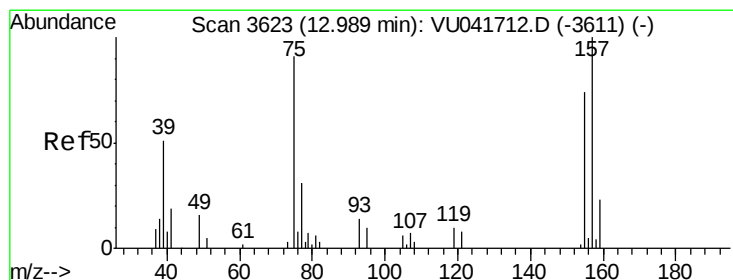
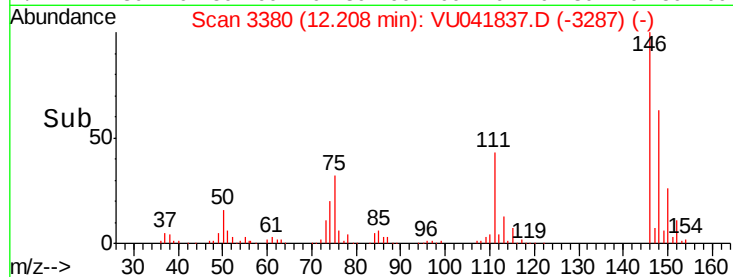
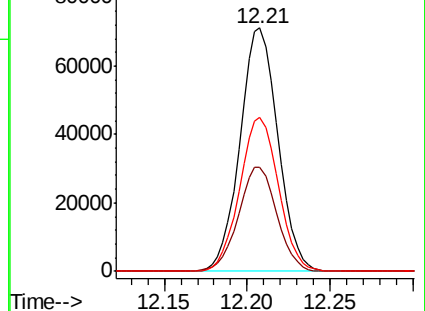
148 63.2 51.0 76.6



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: 4.202 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

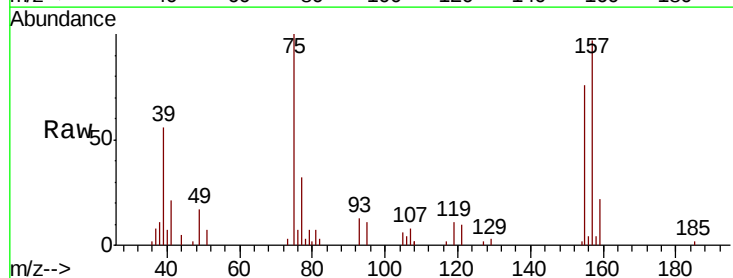
Tgt Ion: 75 Resp: 9487

Ion Ratio Lower Upper

75 100

155 75.5 57.4 86.0

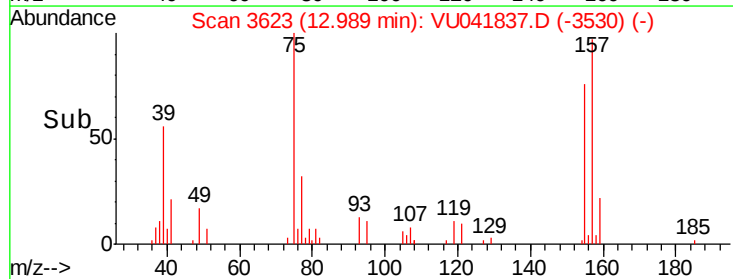
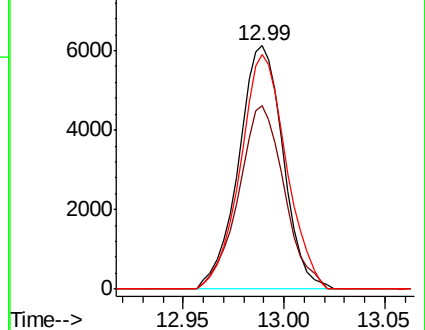
157 96.5 72.4 108.6

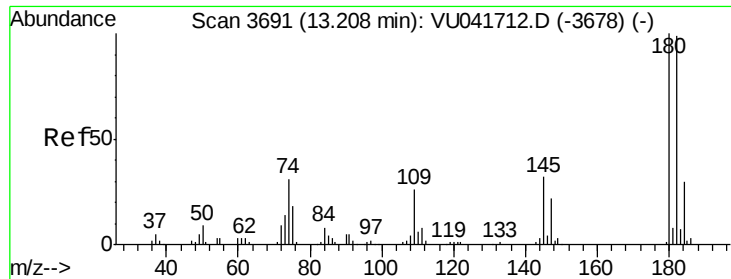


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

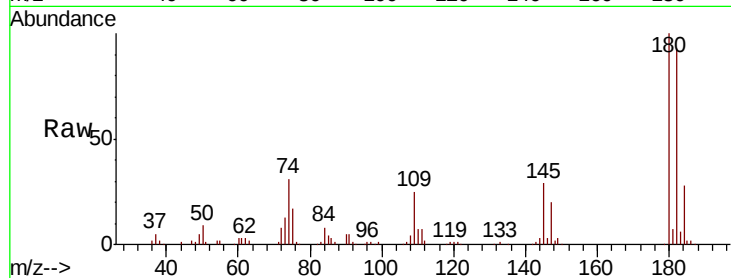




#67
 1,3,5-Trichlorobenzene
 Concen: 4.612 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	86063
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.3	114.5
184	29.8	24.1	36.1
145	29.7	24.1	36.1



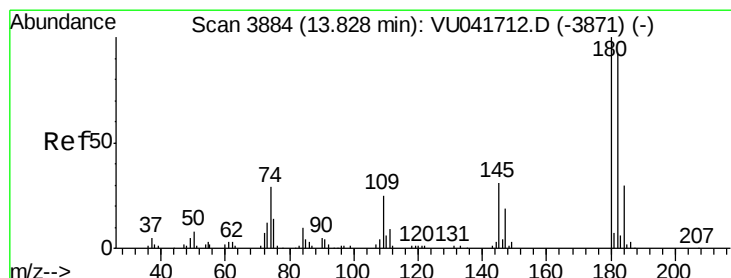
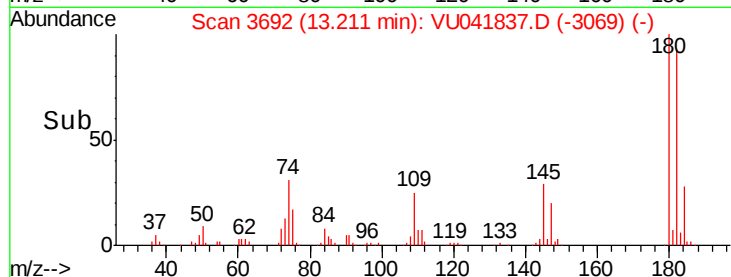
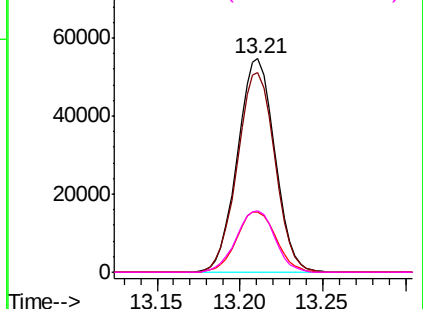
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

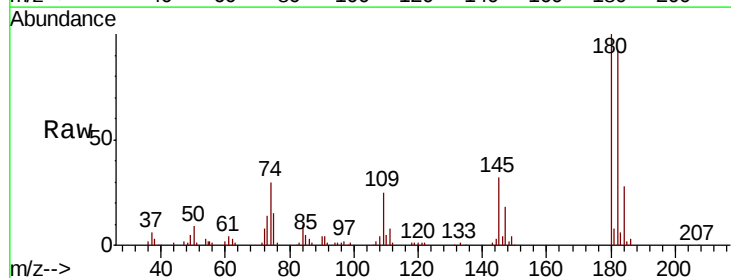
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.150 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041837.D
 Acq: 04 Jan 2021 10:08

Tgt Ion:	180	Resp:	64997
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.4	113.0
145	32.1	24.5	36.7

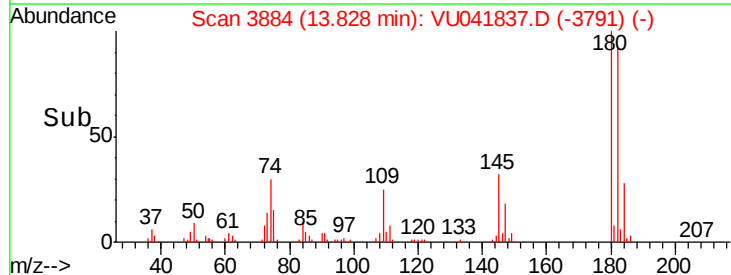
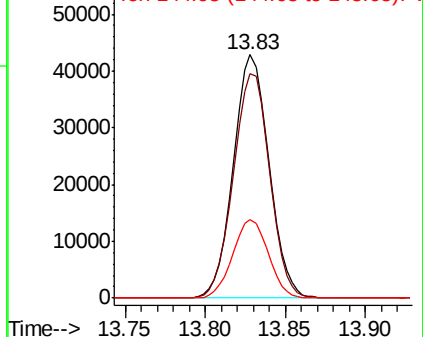


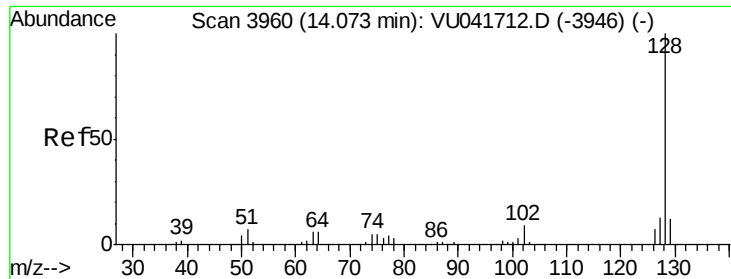
Abundance

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: 3.065 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

Instrument :

MSVOA_U

ClientSampleId :

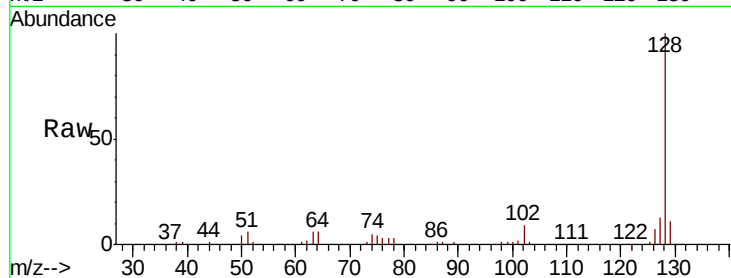
Tot Ion:128 Resp: 99373

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

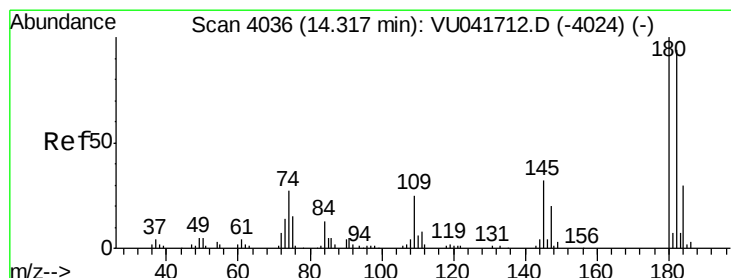
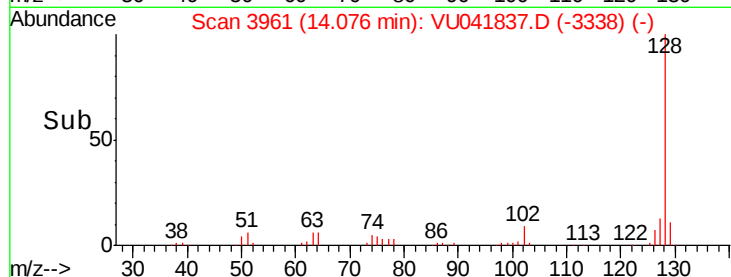
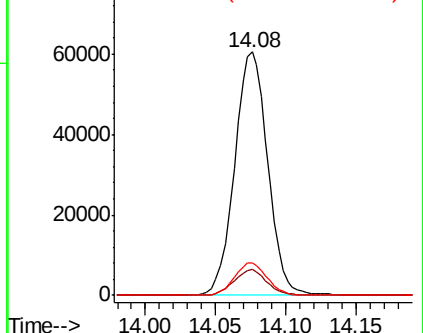
127 13.2 10.2 15.4



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: 3.957 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041837.D

Acq: 04 Jan 2021 10:08

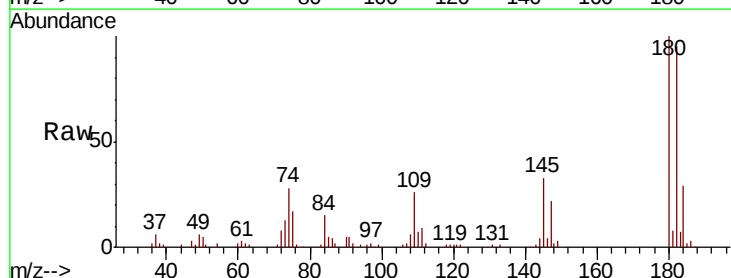
Tgt Ion:180 Resp: 59064

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.4

145 33.1 26.4 39.6



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

