

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010721\
 Data File : VU041862.D
 Acq On : 06 Jan 2021 15:22
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 07 01:19:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 07 01:18:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	170773	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	166828	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	95631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52315	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.92	69	51994	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.57	65	23849	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.66	46	161636	42.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.56%
24) Chloroform-d	5.07	84	106335	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.71	65	55856	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
32) Benzene-d6	5.74	84	196775	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.70	67	62592	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	7.90	98	184871	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.18	79	26490	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.64	63	146868	43.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.82%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	61931	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
66) 1,2-Dichlorobenzene-d4	12.19	152	76498	4.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	78689	5.034	ug/L 99
3) Chloromethane	1.52	50	77782	5.472	ug/L 100
5) Vinyl chloride	1.61	62	90795	5.214	ug/L 99
6) Bromomethane	1.86	94	55673	4.667	ug/L 99
8) Chloroethane	1.94	64	53103	4.816	ug/L 99
9) Trichlorofluoromethane	2.14	101	119750	4.977	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	69460	5.126	ug/L 98
12) 1,1-Dichloroethene	2.59	96	67951	5.057	ug/L 86
13) Acetone	2.67	43	121221	45.944	ug/L 99
14) Carbon disulfide	2.80	76	215659	4.794	ug/L 99
15) Methyl Acetate	2.97	43	27196	4.399	ug/L 92
16) Methylene chloride	3.05	84	72506	4.258	ug/L 97
17) Methyl tert-butyl Ether	3.37	73	156132	4.796	ug/L 100
18) trans-1,2-Dichloroethene	3.36	96	65770	5.060	ug/L 98
19) 1,1-Dichloroethane	3.88	63	115265	4.996	ug/L 98
21) 2-Butanone	4.74	43	162845	44.716	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	64760	4.797	ug/L 92

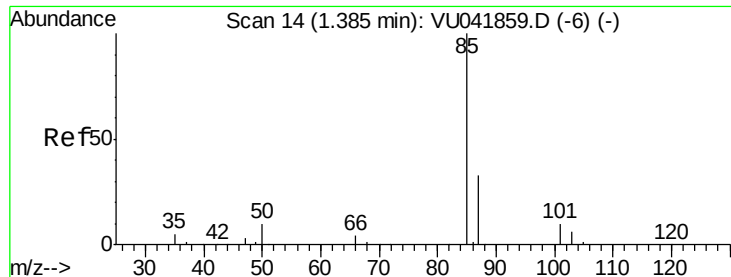
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010721\
 Data File : VU041862.D
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 QLast Update : Thu Jan 07 01:18:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	32822	5.007	ug/L	93
25) Chloroform	5.10	83	111997	4.807	ug/L	96
27) 1,2-Dichloroethane	5.80	62	72360	4.772	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	96859	4.854	ug/L	98
30) Cyclohexane	5.40	56	87142	4.742	ug/L	99
31) Carbon tetrachloride	5.53	117	86190	4.877	ug/L	98
33) Benzene	5.78	78	243530	4.897	ug/L	100
34) Trichloroethene	6.55	95	63583	4.891	ug/L	97
35) Methylcyclohexane	6.77	83	97413	4.888	ug/L	99
37) 1,2-Dichloropropane	6.80	63	60740	4.915	ug/L	99
38) Bromodichloromethane	7.11	83	80355	4.952	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	90472	4.883	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	370445	46.831	ug/L	100
42) Toluene	7.97	91	269887	5.144	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	83910	4.948	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	48987	4.895	ug/L	96
47) Tetrachloroethene	8.56	164	52334	5.150	ug/L	99
48) 2-Hexanone	8.69	43	280781	48.541	ug/L	99
49) Dibromochloromethane	8.81	129	60927	5.062	ug/L	91
50) 1,2-Dibromoethane	8.93	107	47936	4.839	ug/L #	98
51) Chlorobenzene	9.45	112	172667	5.019	ug/L	99
52) Ethylbenzene	9.57	91	280983	5.140	ug/L	99
53) m,p-Xylene	9.69	106	112304	5.238	ug/L	97
54) o-Xylene	10.10	106	106228	5.201	ug/L	97
55) Styrene	10.11	104	188127	5.350	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	63347	4.819	ug/L	98
59) Bromoform	10.29	173	37132	4.506	ug/L	99
60) Isopropylbenzene	10.48	105	283694	4.741	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	46133	4.297	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	232855	4.740	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	255499	5.239	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	146128	5.050	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	144755	4.922	ug/L	97
67) 1,2-Dichlorobenzene	12.21	146	137592	4.781	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	10794	4.368	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	107296	4.948	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	80935	5.116	ug/L	100
71) Naphthalene	14.08	128	131807	4.724	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	77407	5.124	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.034 ug/L

RT: 1.39 min Scan# 14

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

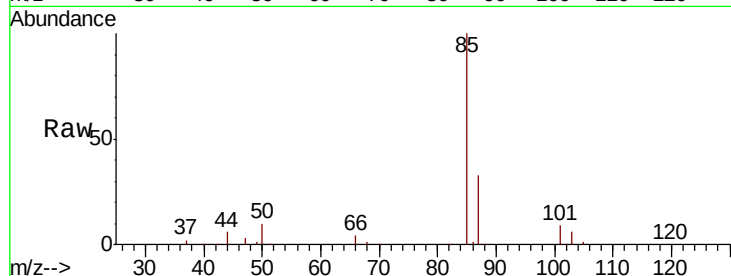
ClientSampleId :

Tot Ion: 85 Resp: 78689

Ion Ratio Lower Upper

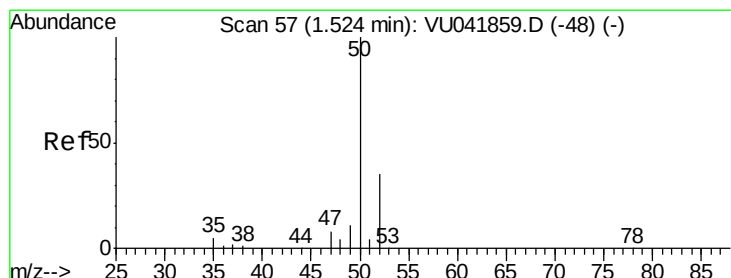
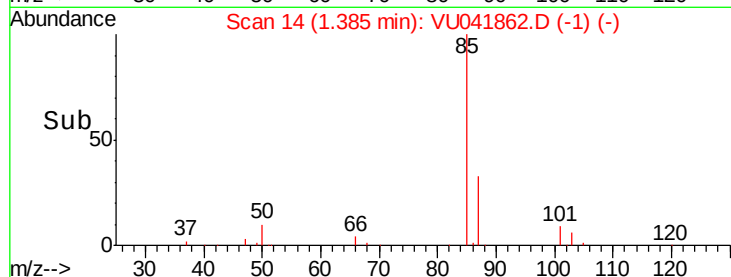
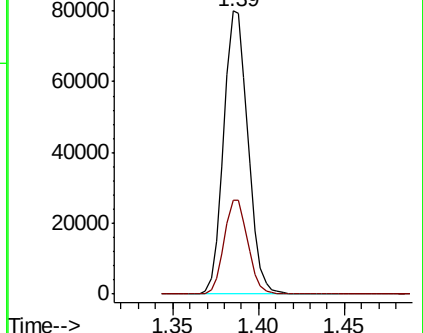
85 100

87 32.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041859.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041859.D (-6) (-)



#3

Chloromethane

Concen: 5.472 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041862.D

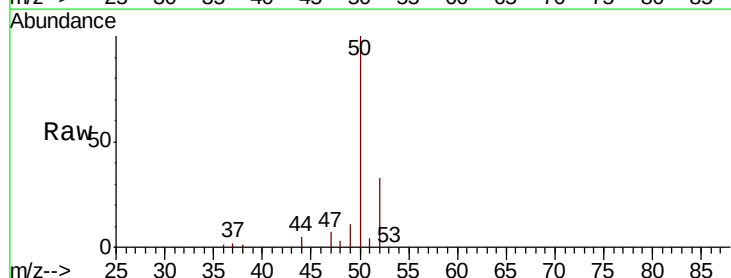
Acq: 06 Jan 2021 15:22

Tgt Ion: 50 Resp: 77782

Ion Ratio Lower Upper

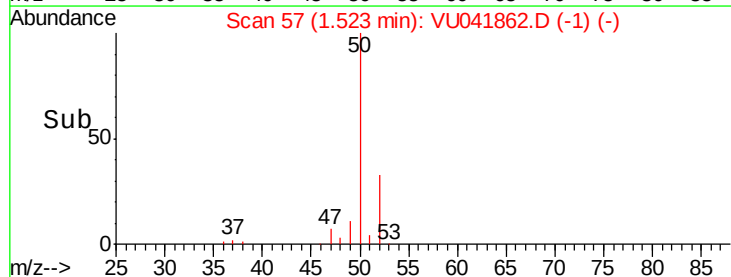
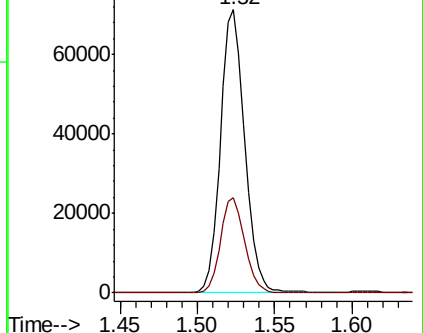
50 100

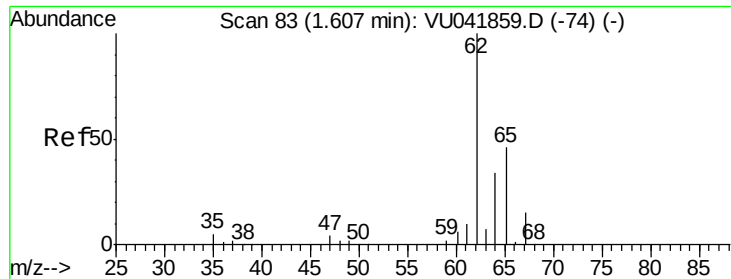
52 33.4 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU041859.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041859.D (-48) (-)





#5

Vinyl chloride

Concen: 5.214 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

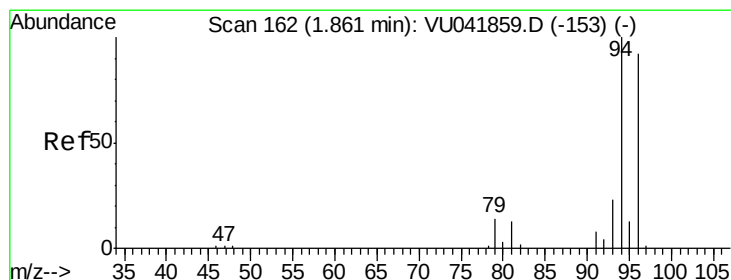
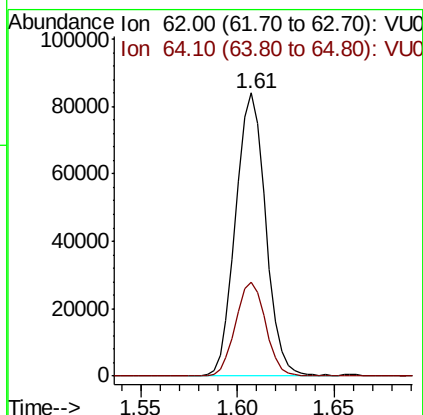
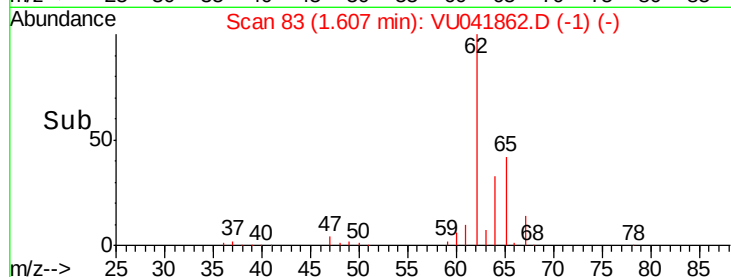
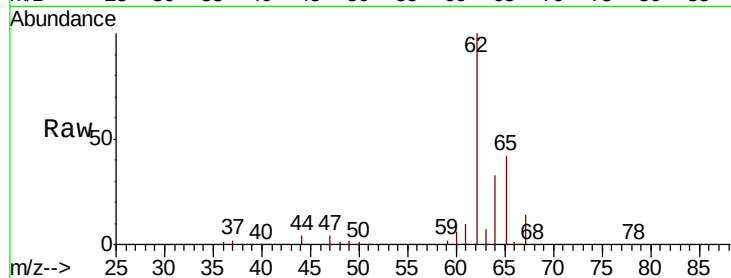
ClientSampleId :

Tot Ion: 62 Resp: 90795

Ion Ratio Lower Upper

62 100

64 33.4 22.8 42.4



#6

Bromomethane

Concen: 4.667 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU041862.D

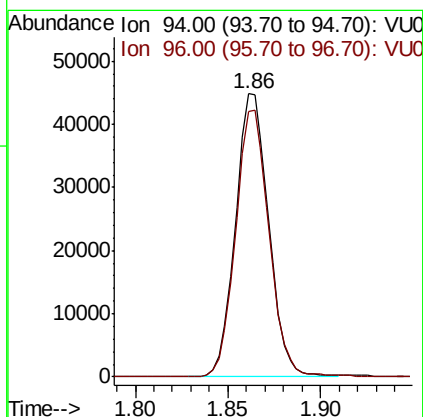
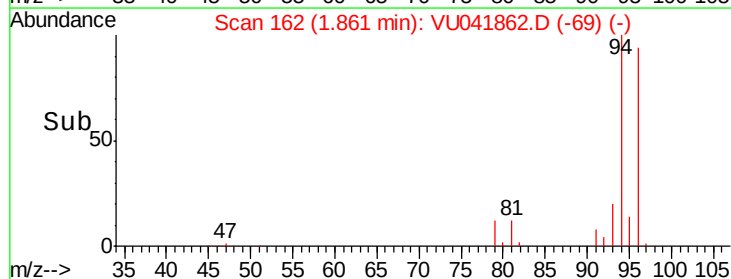
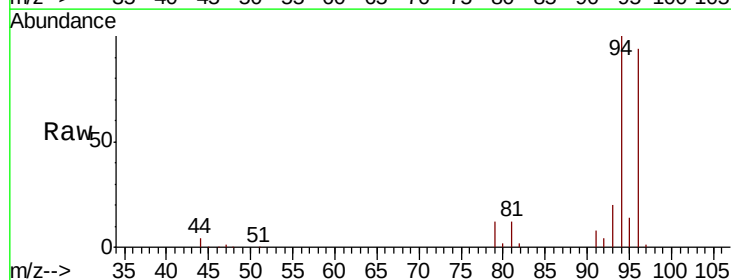
Acq: 06 Jan 2021 15:22

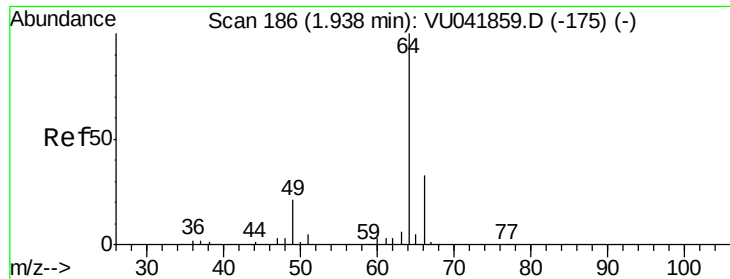
Tgt Ion: 94 Resp: 55673

Ion Ratio Lower Upper

94 100

96 93.6 66.1 122.7

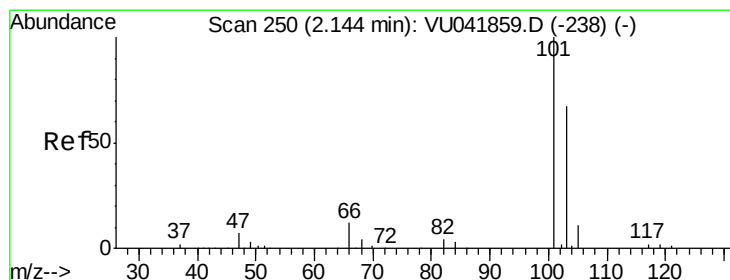
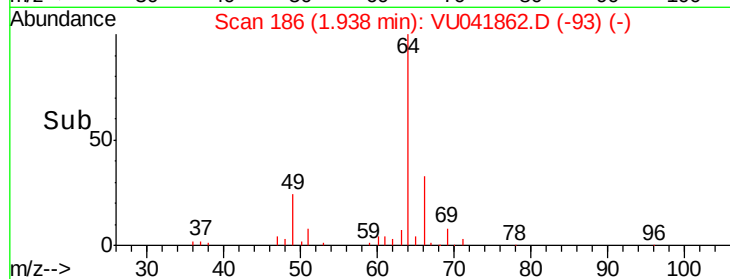
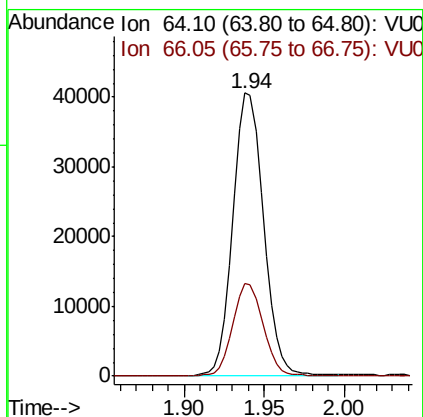
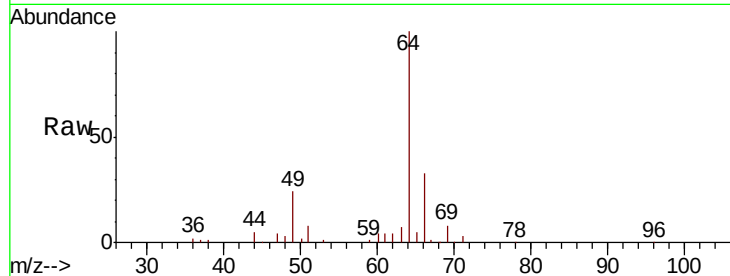




#8
Chloroethane
Concen: 4.816 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

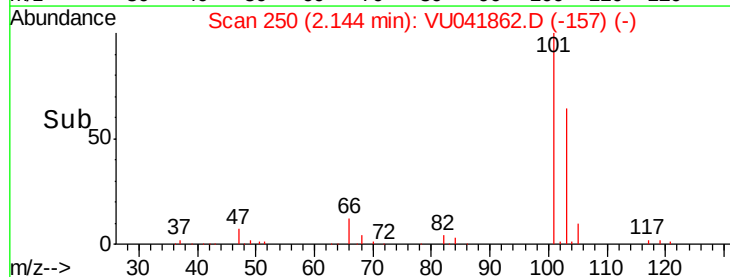
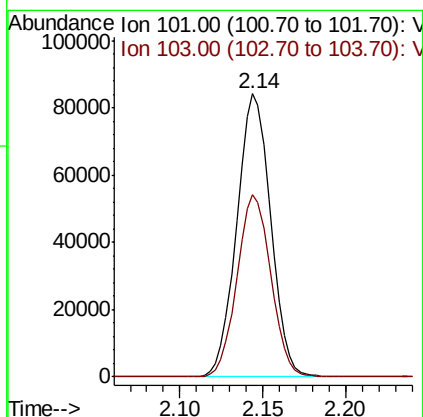
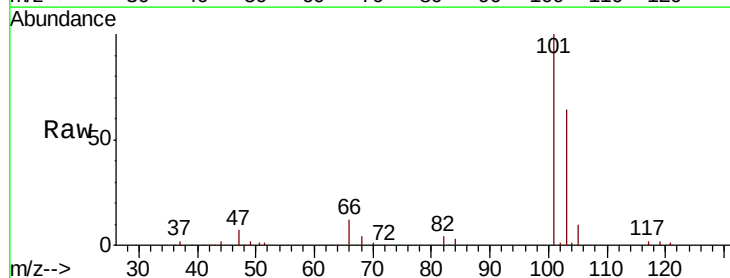
Instrument :
MSVOA_U
ClientSampleId :

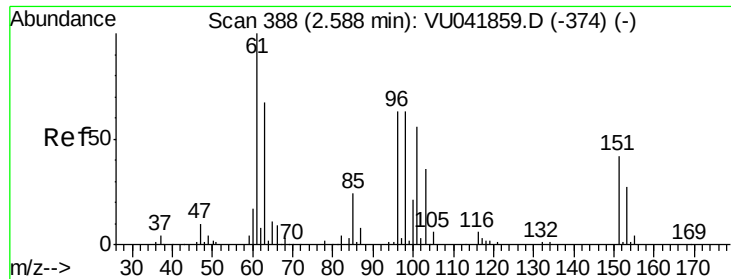
Tot Ion: 64 Resp: 53103
Ion Ratio Lower Upper
64 100
66 32.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.977 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion:101 Resp: 119750
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3





#10

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

Concen: 5.126 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

ClientSampled :

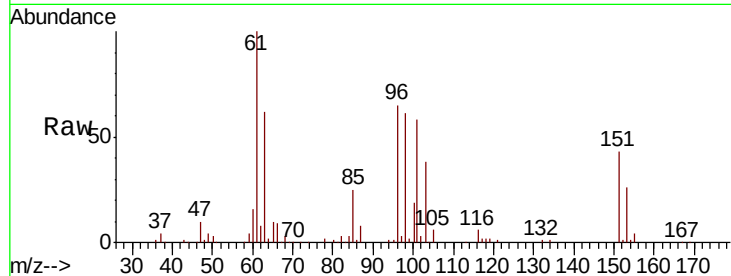
Tot Ion:101 Resp: 69460

Ion Ratio Lower Upper

101 100

85 42.0 34.5 51.7

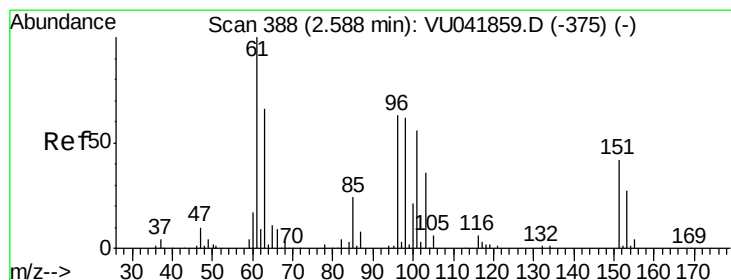
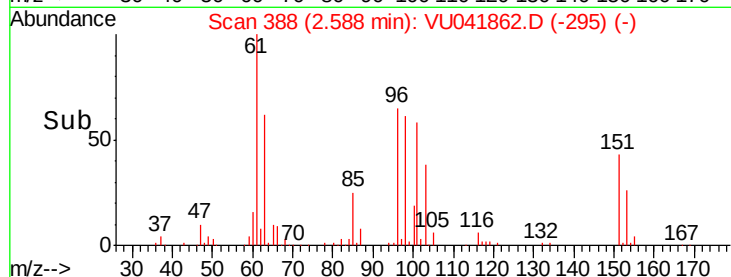
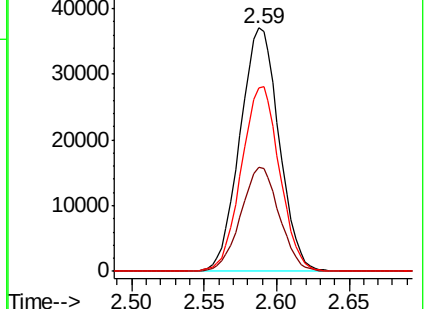
151 74.1 57.4 86.2



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: 5.057 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

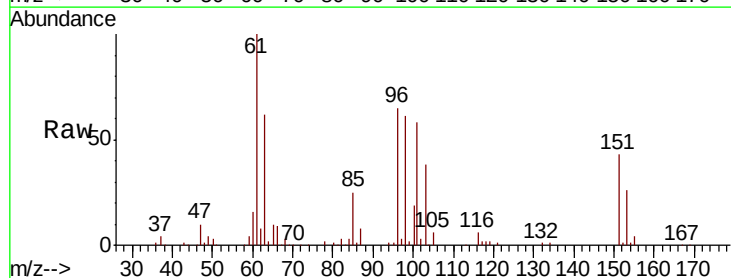
Tgt Ion: 96 Resp: 67951

Ion Ratio Lower Upper

96 100

61 153.1 115.1 213.7

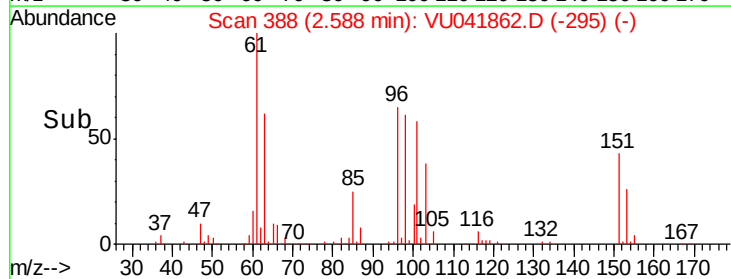
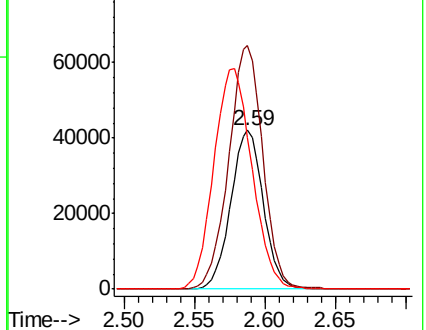
63 95.1 84.1 156.1

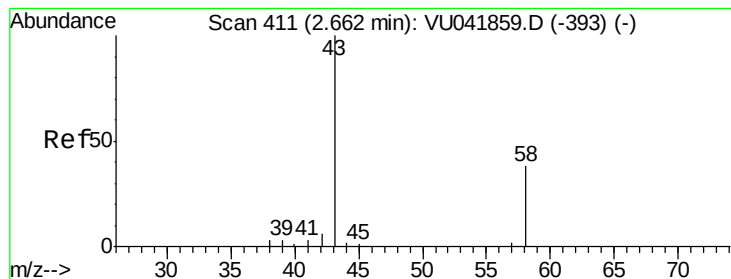


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.944 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

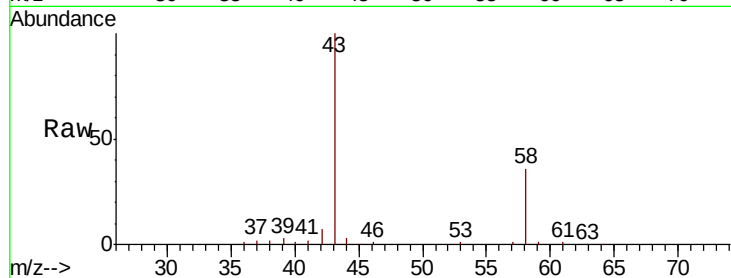
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 121221

Ion Ratio Lower Upper

43 100

58 12.1 0.0 25.0



Abundance Ion 43.05 (42.75 to 43.75): VU041859.D (-393) (-)

Ion 58.05 (57.75 to 58.75): VU041859.D (-393) (-)

2.67

25000

20000

15000

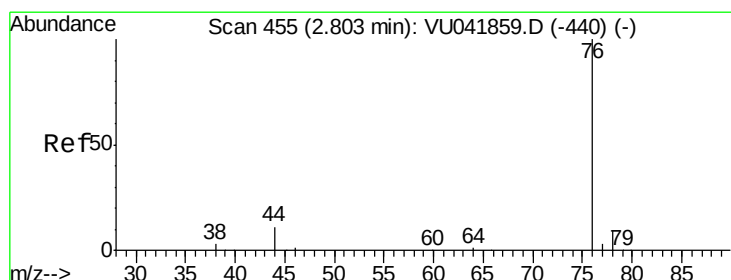
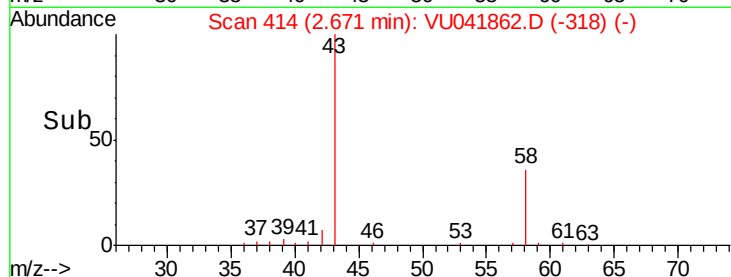
10000

5000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.794 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.00 min

Lab File: VU041862.D

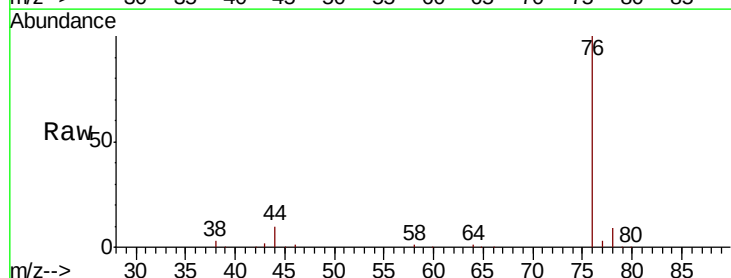
Acq: 06 Jan 2021 15:22

Tgt Ion: 76 Resp: 215659

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041859.D (-440) (-)

Ion 78.00 (77.70 to 78.70): VU041859.D (-440) (-)

2.80

150000

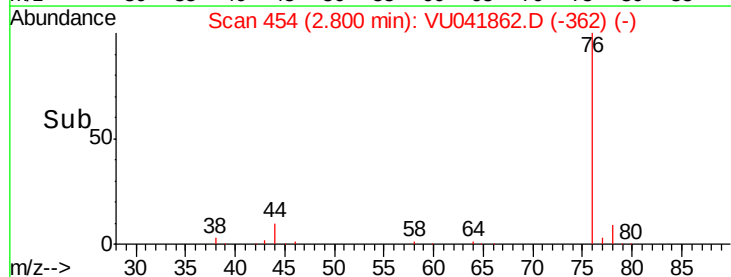
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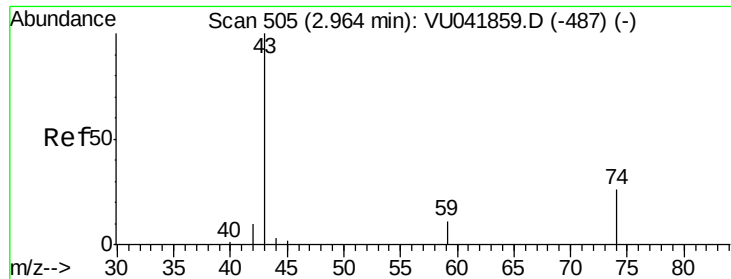
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Time-->

2.75 2.80 2.85

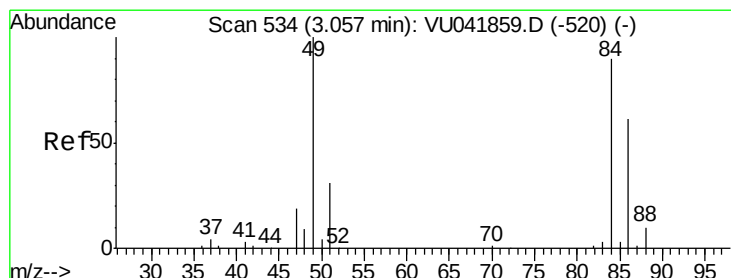
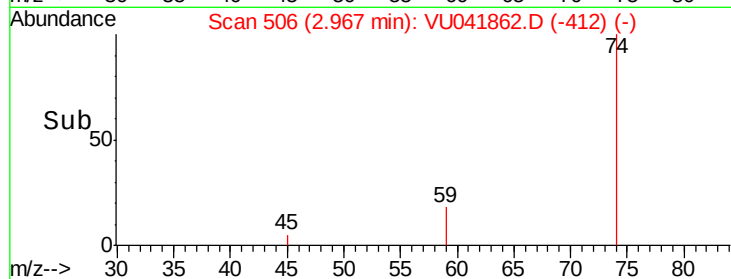
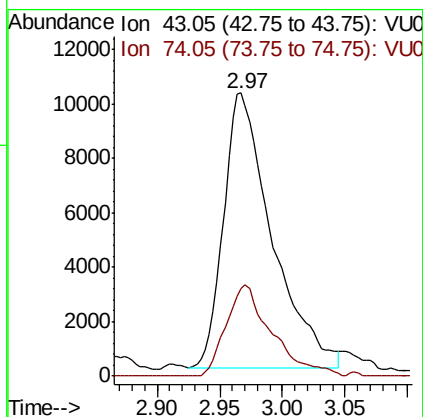
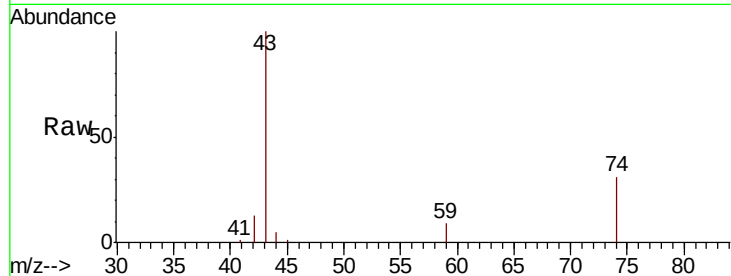




#15
Methvl Acetate
Concen: 4.399 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

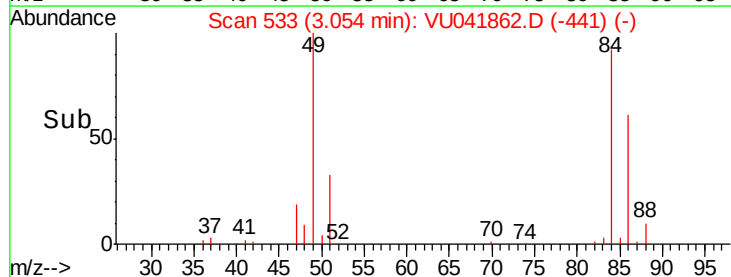
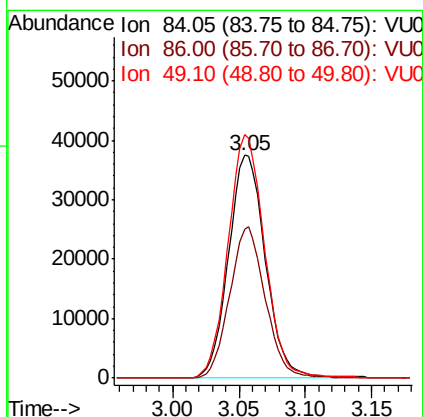
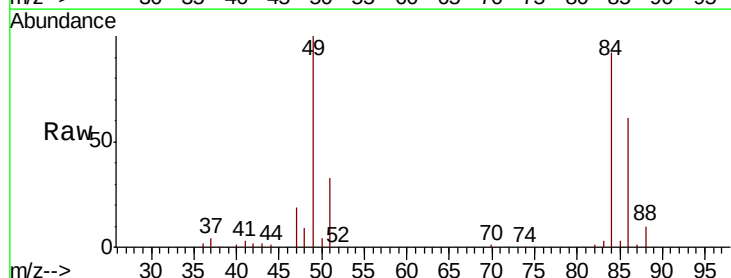
Instrument :
MSVOA_U
ClientSampled :

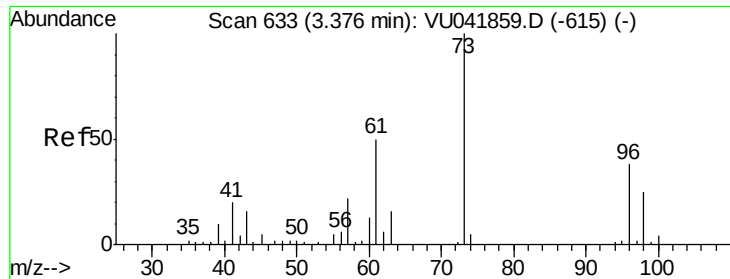
Tot Ion: 43 Resp: 27196
Ion Ratio Lower Upper
43 100
74 31.0 21.5 32.3



#16
Methylene chloride
Concen: 4.258 ug/L
RT: 3.05 min Scan# 533
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion: 84 Resp: 72506
Ion Ratio Lower Upper
84 100
86 66.9 44.9 83.5
49 109.2 79.0 146.8

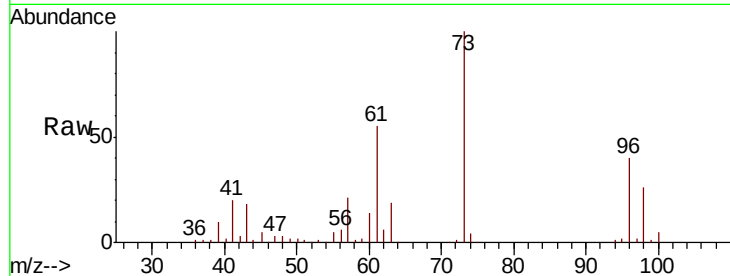




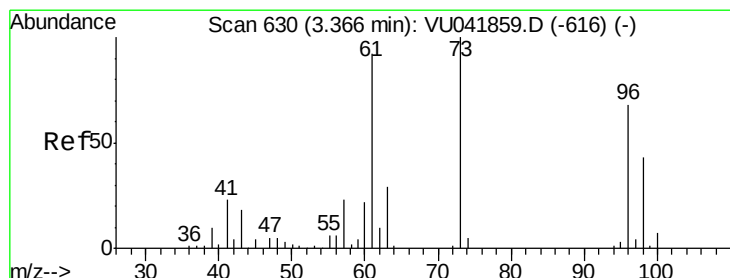
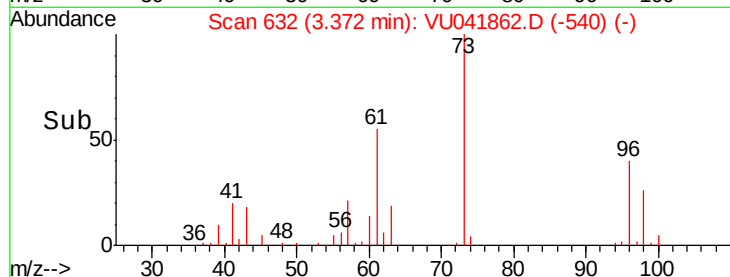
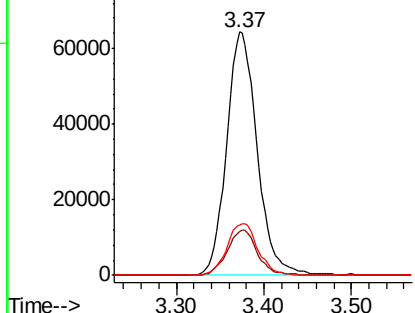
#17
Methyl tert-butyl Ether
Concen: 4.796 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 156132
Ion Ratio Lower Upper
73 100
43 18.4 15.0 22.4
57 21.5 17.3 25.9

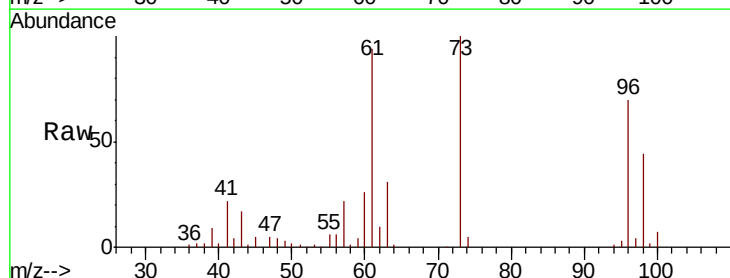


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

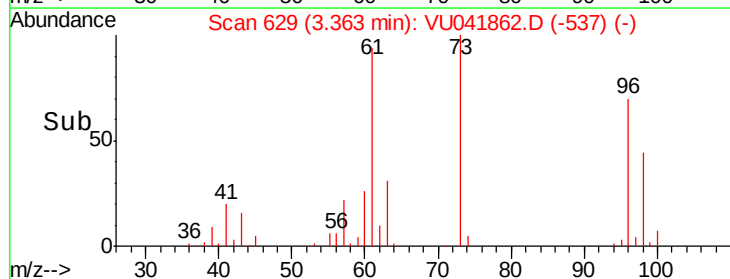
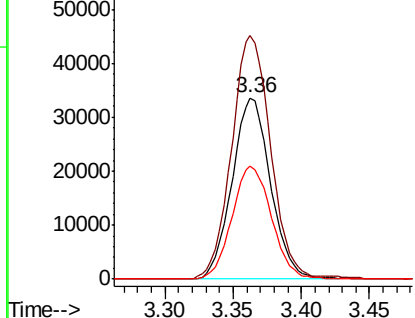


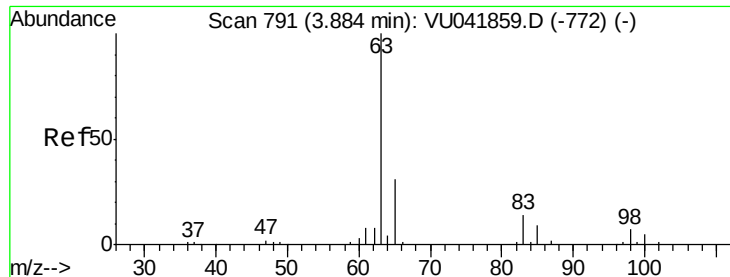
#18
trans-1,2-Dichloroethene
Concen: 5.060 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion: 96 Resp: 65770
Ion Ratio Lower Upper
96 100
61 134.5 96.6 179.4
98 62.6 44.7 82.9



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

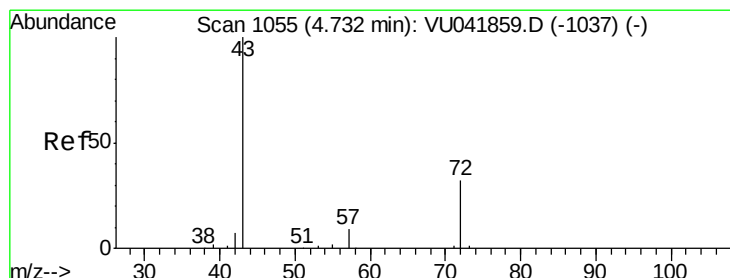
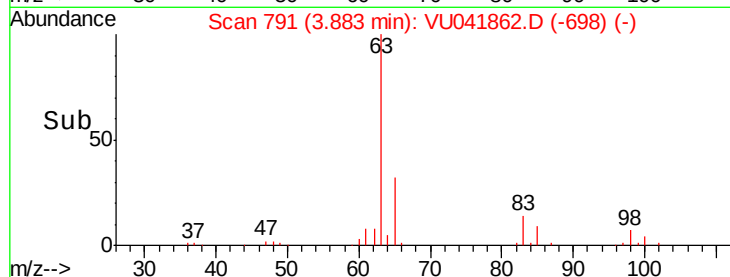
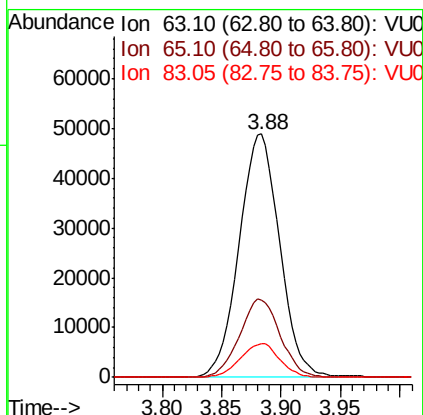
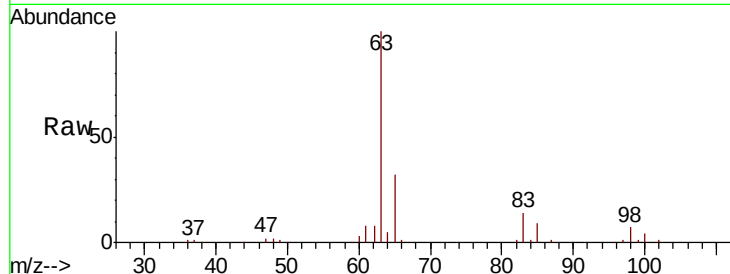




#19
 1,1-Dichloroethane
 Concen: 4.996 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

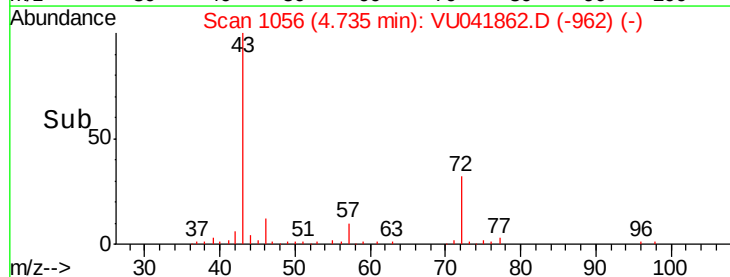
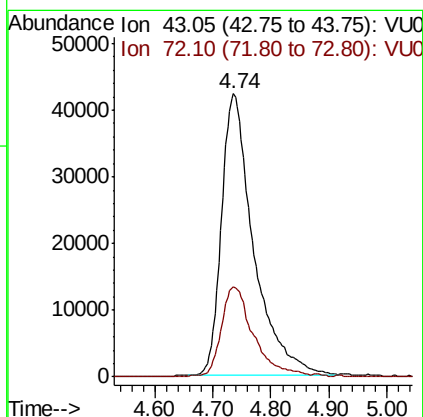
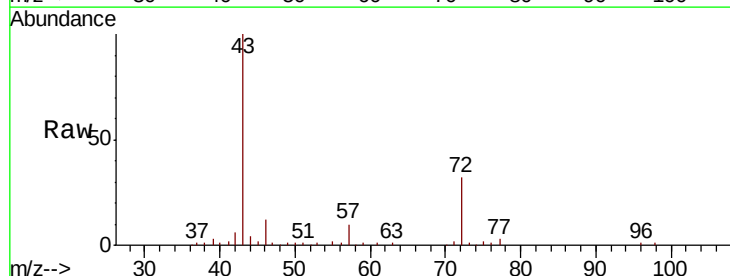
Instrument :
 MSVOA_U
 ClientSampleId :

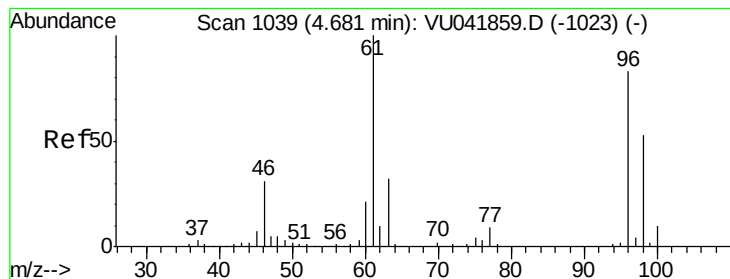
Tot Ion: 63 Resp: 115265
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.2 43.0
 83 13.6 9.9 18.3



#21
 2-Butanone
 Concen: 44.716 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Tgt Ion: 43 Resp: 162845
 Ion Ratio Lower Upper
 43 100
 72 32.3 15.8 47.3





#22

cis-1,2-Dichloroethene

Concen: 4.797 ug/L

RT: 4.68 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

ClientSampleId :

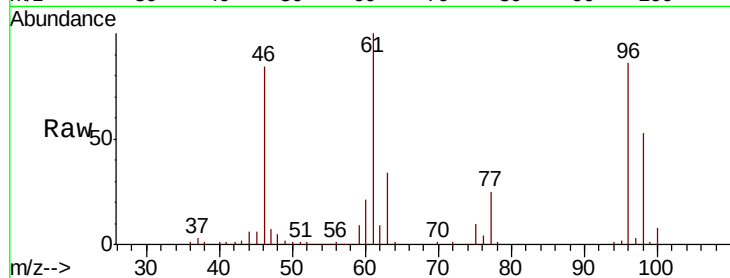
Tot Ion: 96 Resp: 64760

Ion Ratio Lower Upper

96 100

61 115.8 87.4 162.4

98 61.7 47.7 88.5

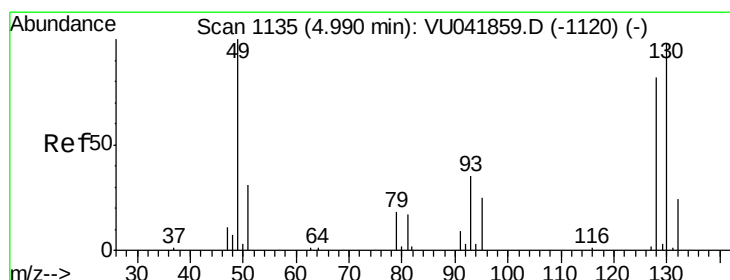
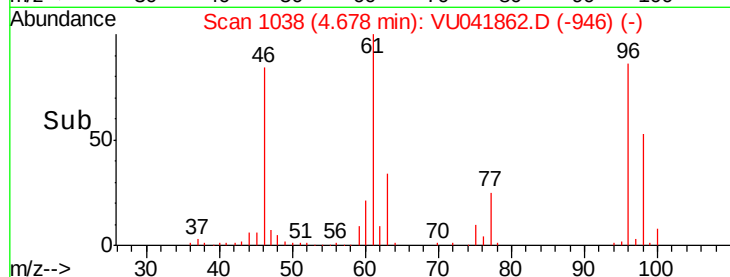
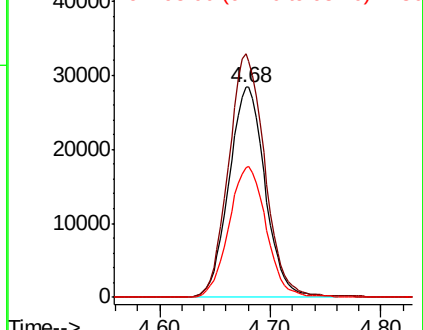


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 5.007 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Tgt Ion: 128 Resp: 32822

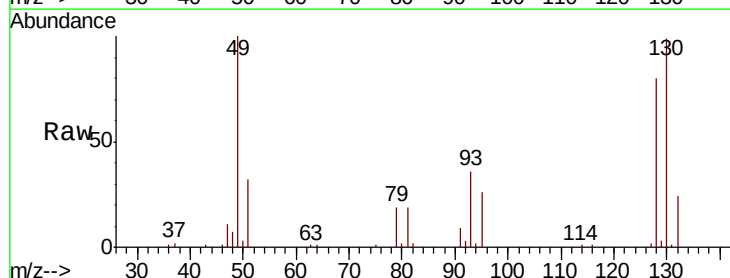
Ion Ratio Lower Upper

128 100

49 125.6 96.4 179.0

130 124.9 91.2 169.4

51 39.6 35.0 52.6



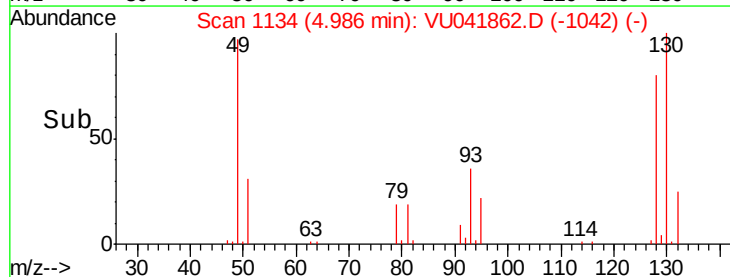
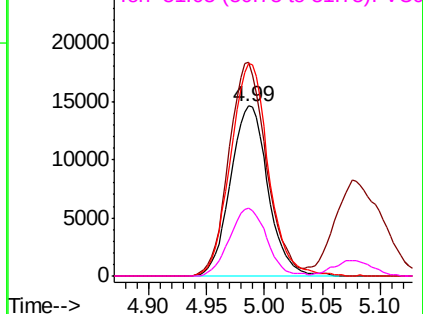
Abundance

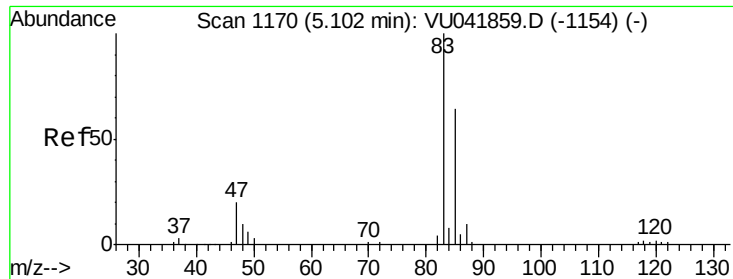
Ion 127.90 (127.60 to 128.60): V

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

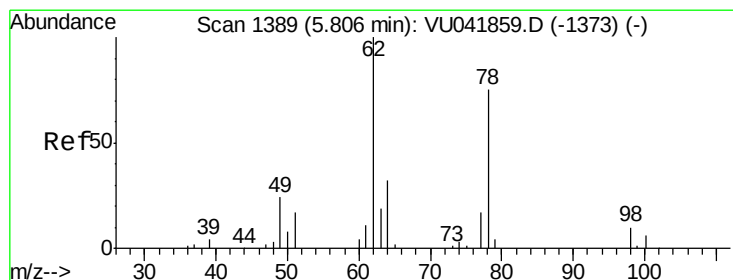
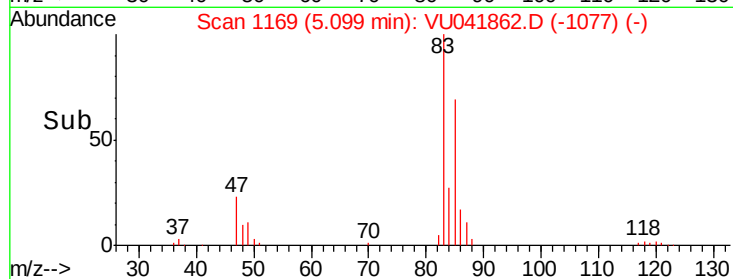
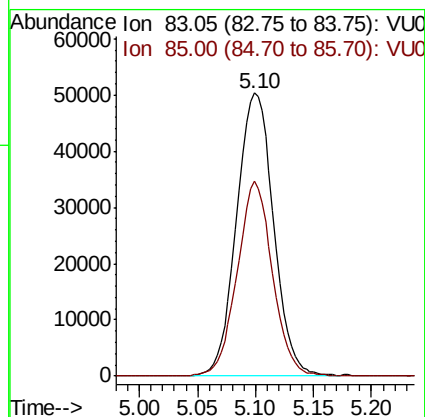
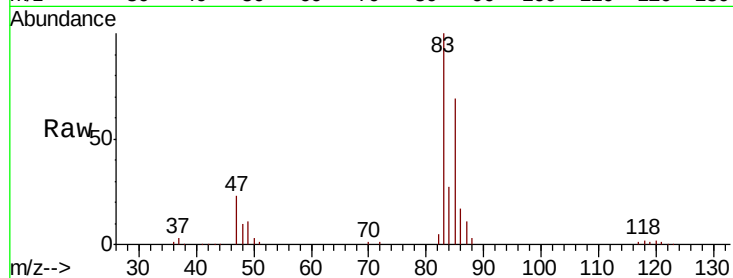




#25
Chloroform
Concen: 4.807 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

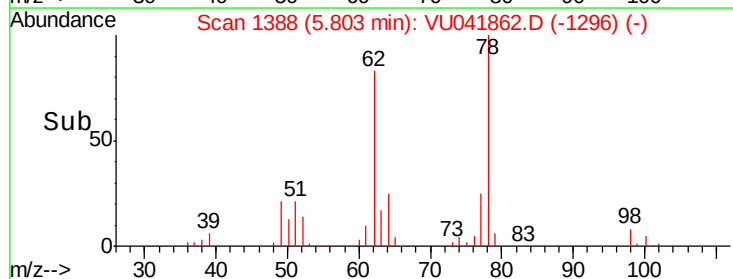
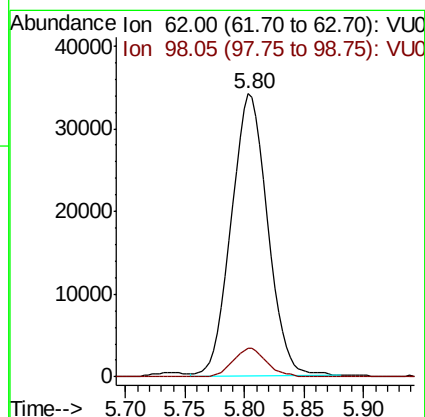
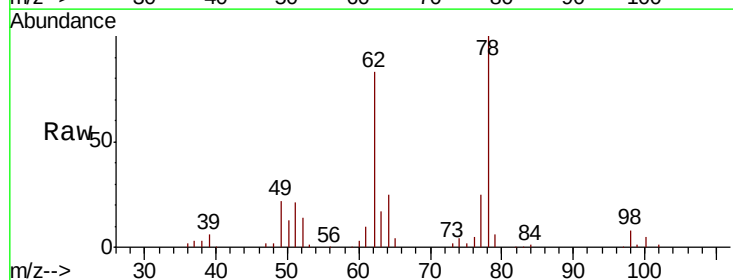
Instrument :
MSVOA_U
ClientSampleId :

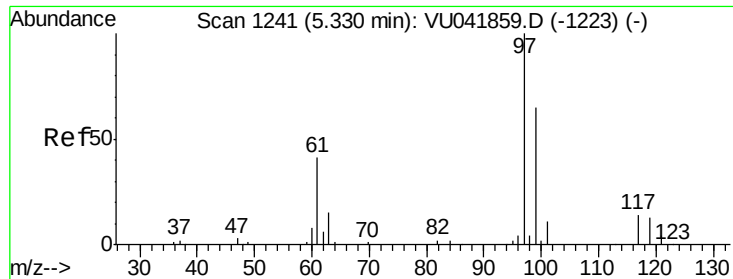
Tot Ion: 83 Resp: 111997
Ion Ratio Lower Upper
83 100
85 68.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 4.772 ug/L
RT: 5.80 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion: 62 Resp: 72360
Ion Ratio Lower Upper
62 100
98 9.9 7.5 11.3

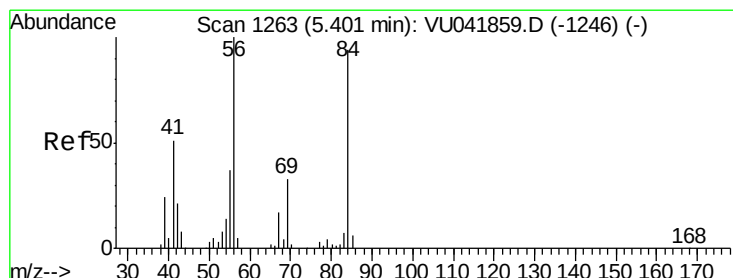
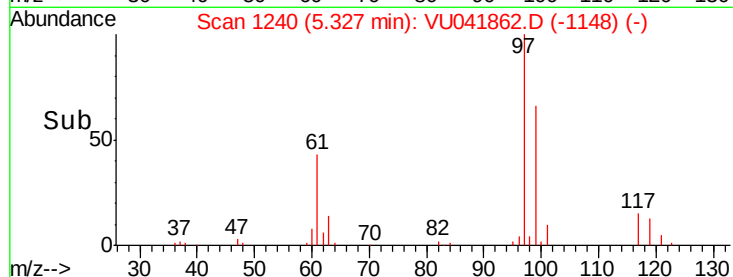
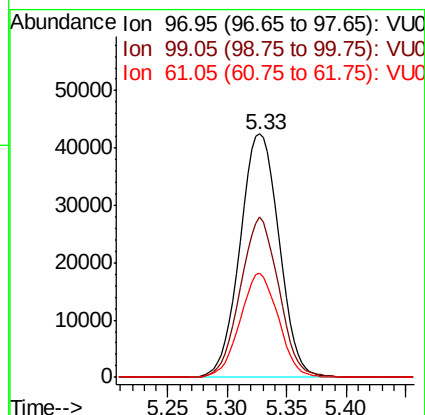
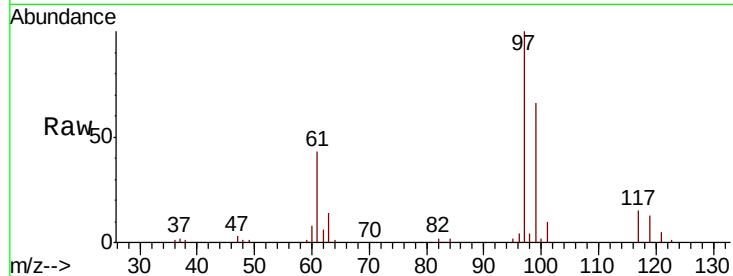




#29
1,1,1-Trichloroethane
Concen: 4.854 ug/L
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

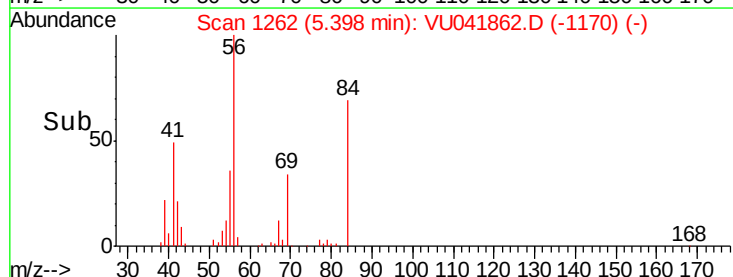
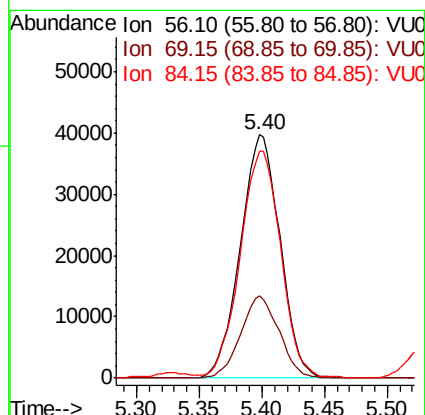
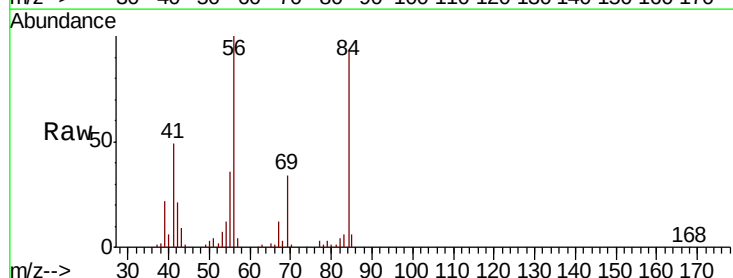
Instrument :
MSVOA_U
ClientSampled :

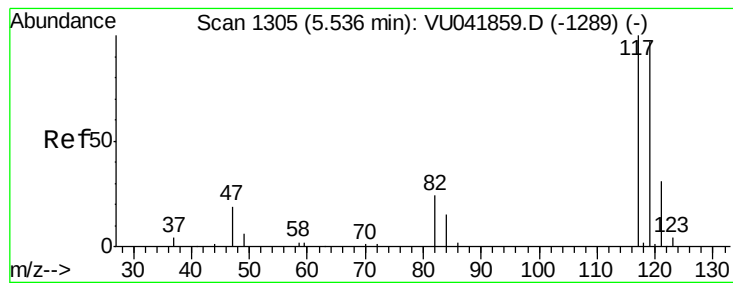
Tot Ion: 97 Resp: 96859
Ion Ratio Lower Upper
97 100
99 64.6 50.3 75.5
61 41.7 32.7 49.1



#30
Cyclohexane
Concen: 4.742 ug/L
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion: 56 Resp: 87142
Ion Ratio Lower Upper
56 100
69 32.6 25.2 37.8
84 95.2 76.2 114.4





#31

Carbon tetrachloride

Concen: 4.877 ug/L

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

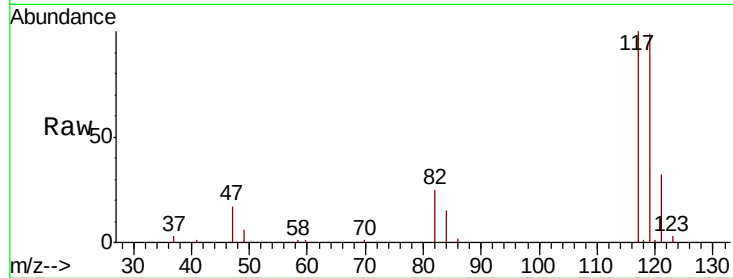
ClientSampleId :

Tot Ion:117 Resp: 86190

Ion Ratio Lower Upper

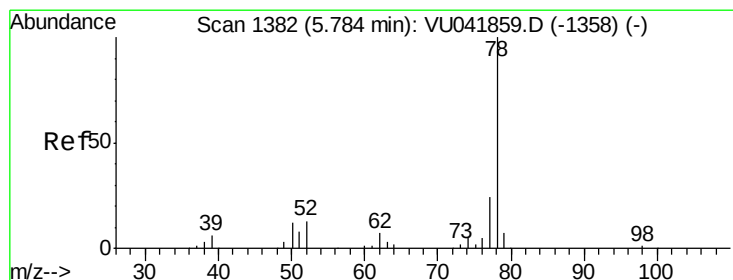
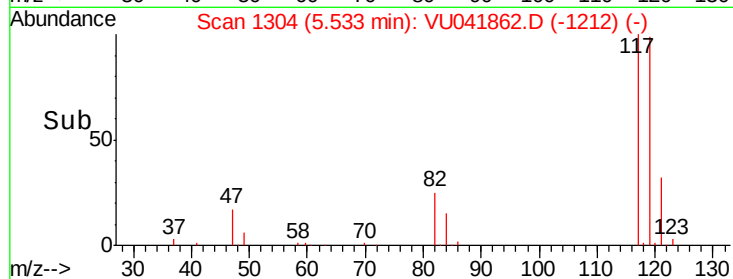
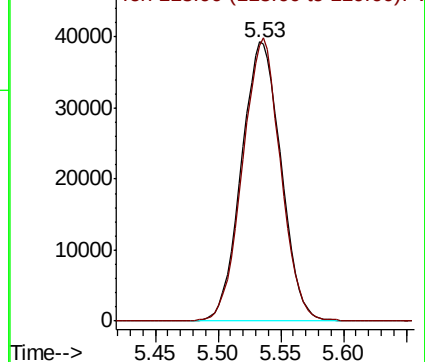
117 100

119 97.5 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.897 ug/L

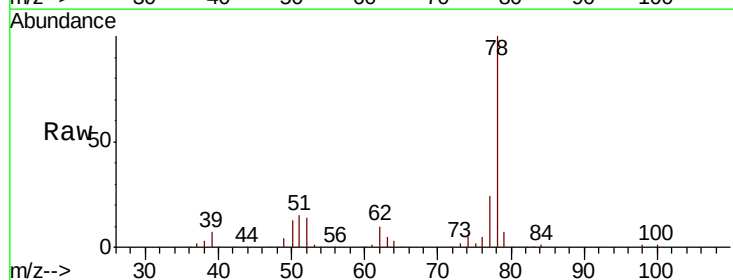
RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

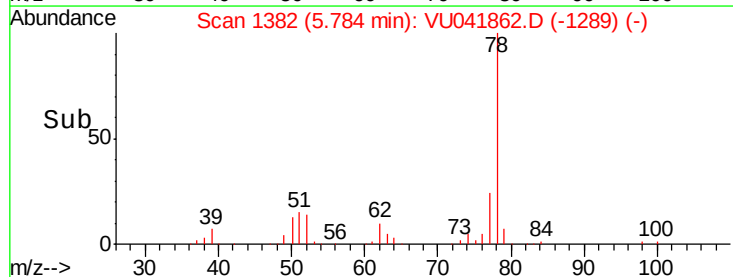
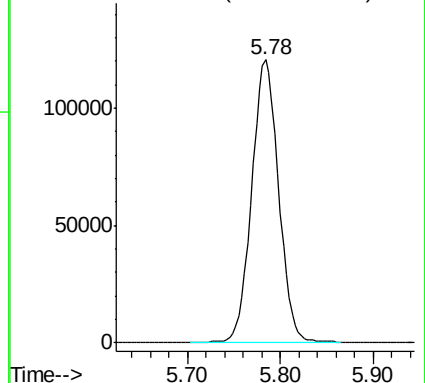
Lab File: VU041862.D

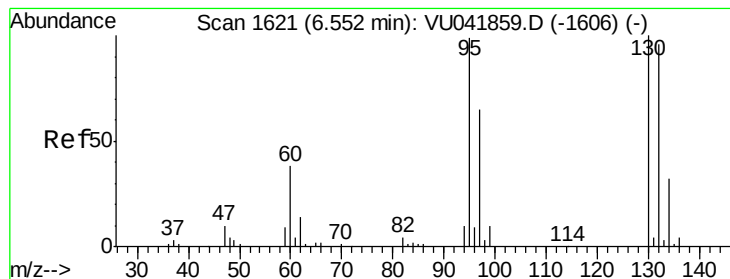
Acq: 06 Jan 2021 15:22

Tgt Ion: 78 Resp: 243530



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.891 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 63583

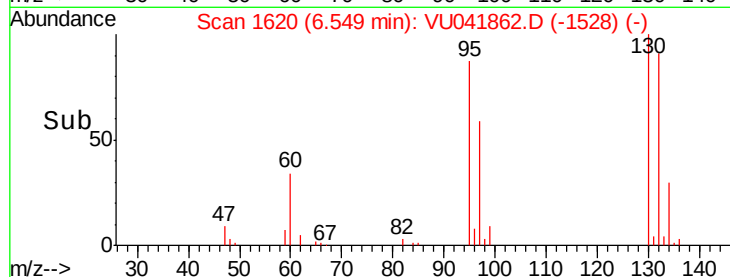
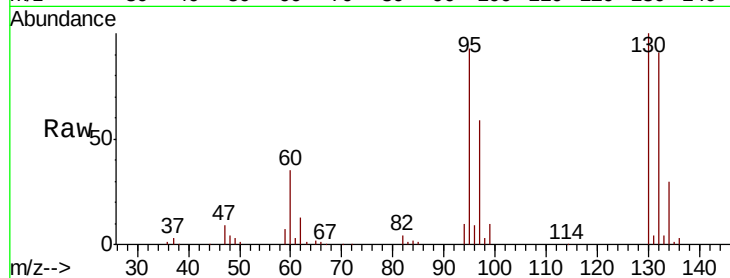
Ion Ratio Lower Upper

95 100

97 63.2 45.8 85.2

132 97.9 68.7 127.7

130 107.0 70.1 130.3

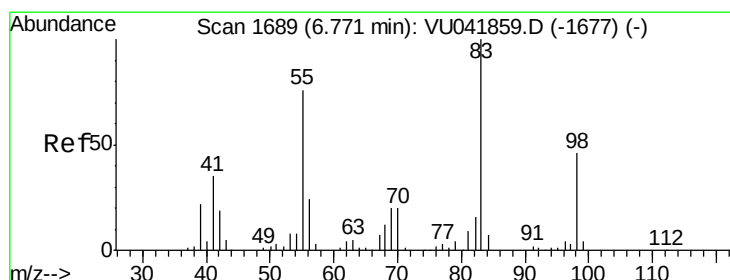
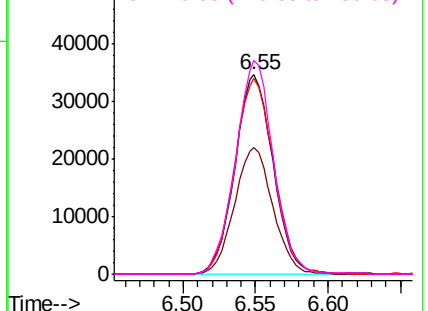


Abundance Ion 95.00 (94.70 to 95.70): VU041862.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041862.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041862.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041862.D (-1528) (-)



#35

Methylcyclohexane

Concen: 4.888 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

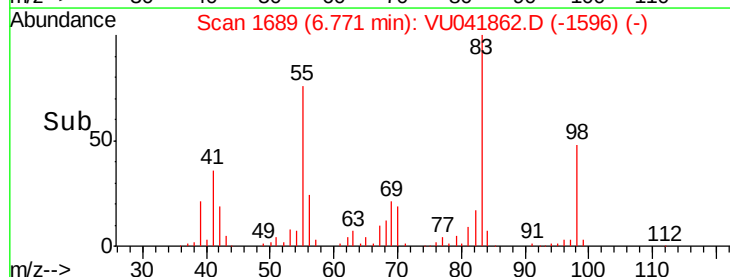
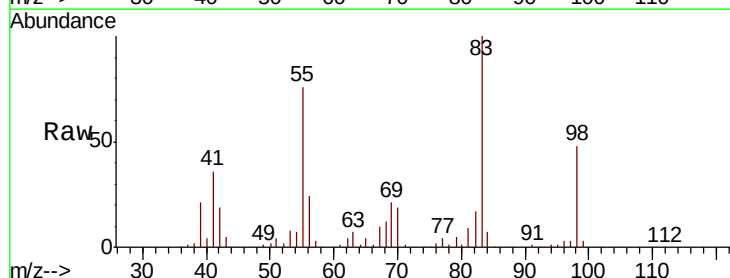
Tgt Ion: 83 Resp: 97413

Ion Ratio Lower Upper

83 100

55 74.4 59.5 89.3

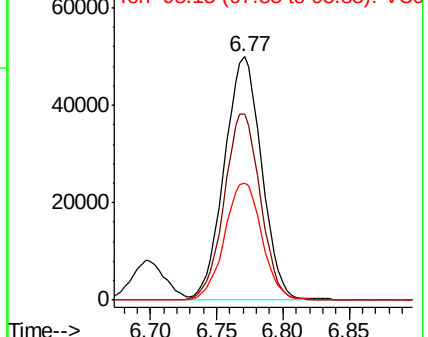
98 48.3 37.9 56.9

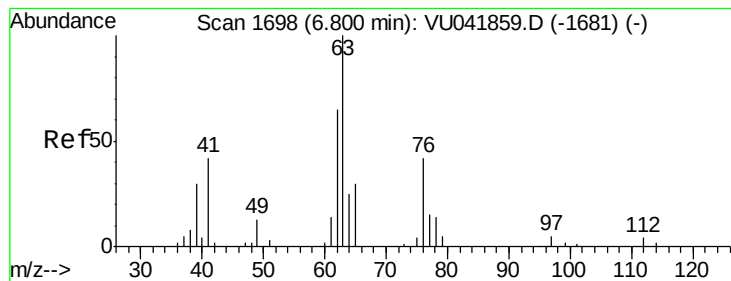


Abundance Ion 83.15 (82.85 to 83.85): VU041862.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU041862.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU041862.D (-1596) (-)





#37

1,2-Dichloropropane

Concen: 4.915 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

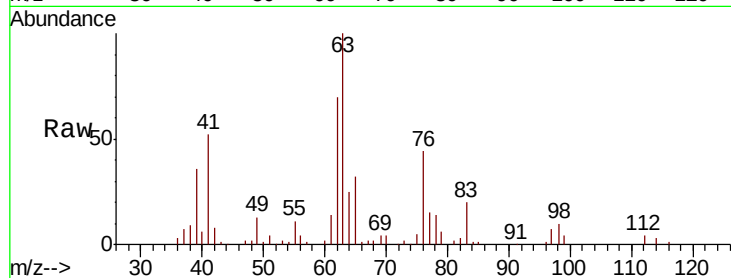
ClientSampled :

Tot Ion: 63 Resp: 60740

Ion Ratio Lower Upper

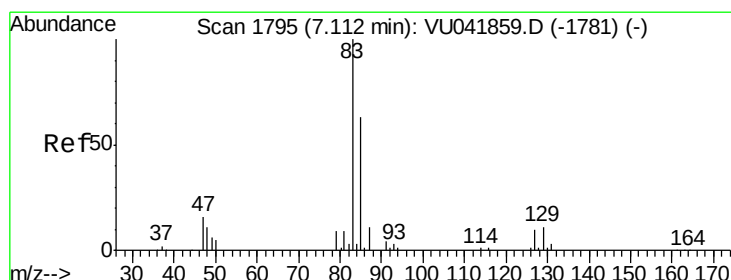
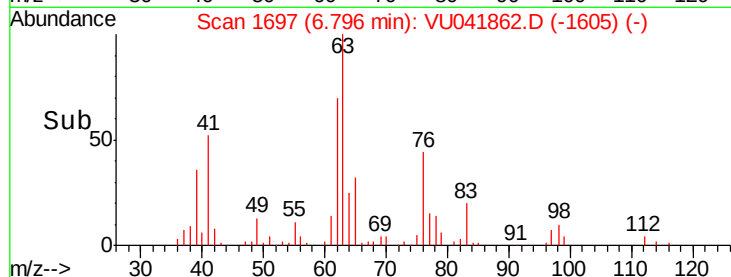
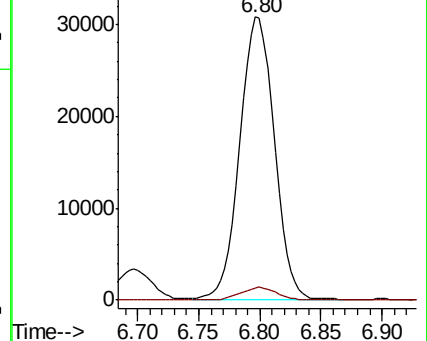
63 100

112 4.6 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.952 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

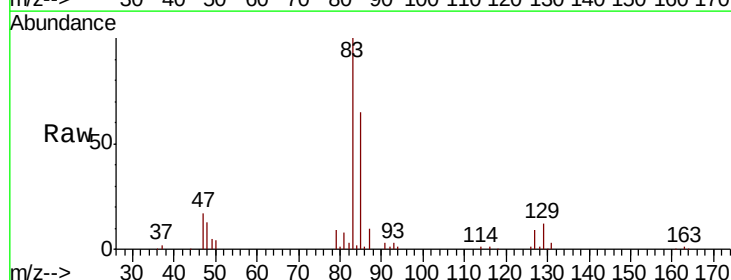
Tgt Ion: 83 Resp: 80355

Ion Ratio Lower Upper

83 100

85 65.2 44.6 82.8

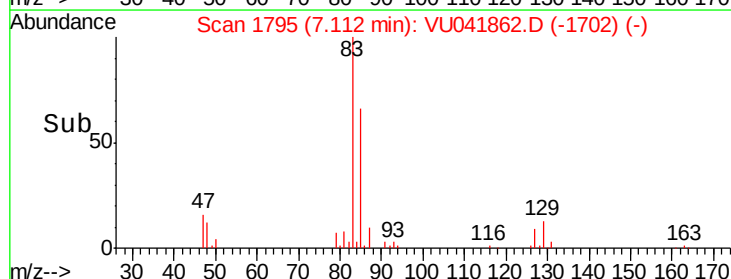
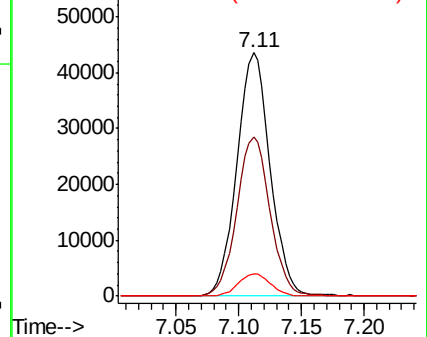
127 9.2 7.4 11.2

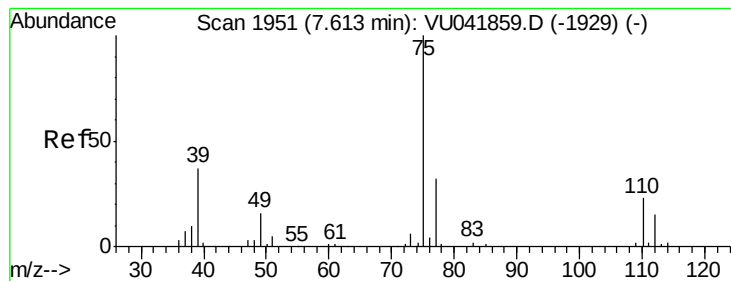


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



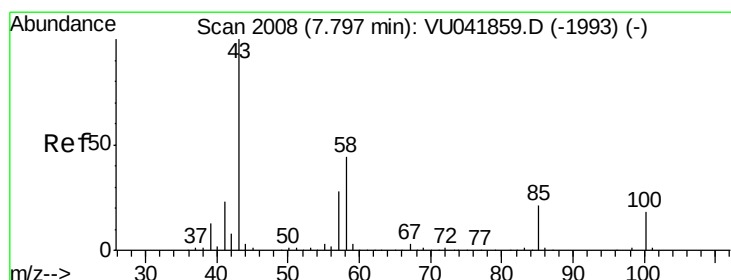
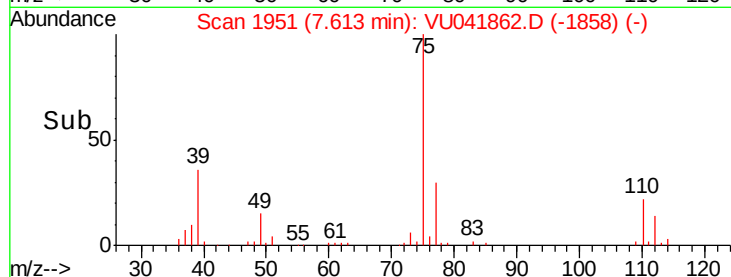
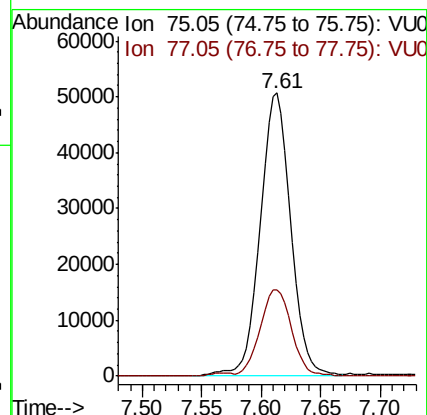
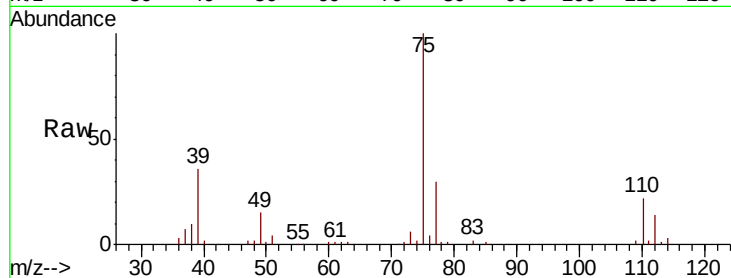


#39

cis-1,3-Dichloropropene
 Concen: 4.883 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Instrument :
 MSVOA_U
 ClientSampled :

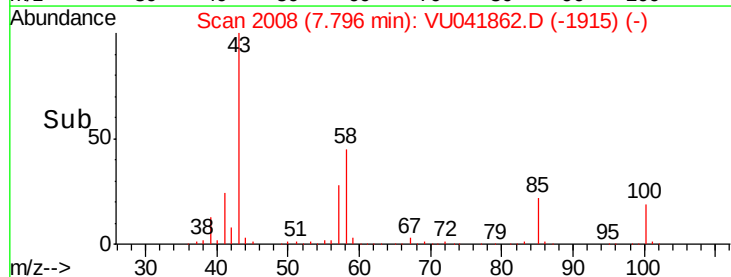
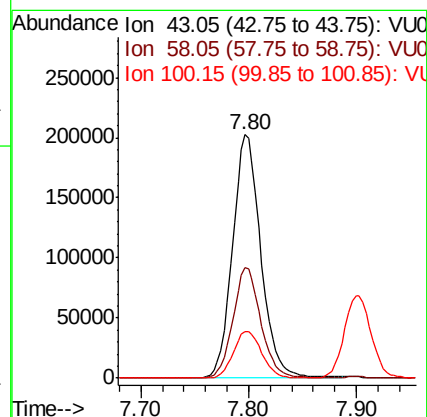
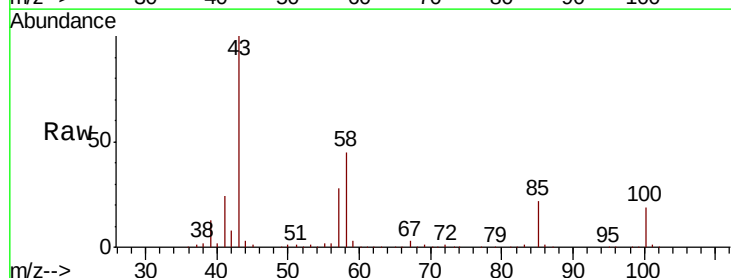
Tot Ion: 75 Resp: 90472
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.8 40.6

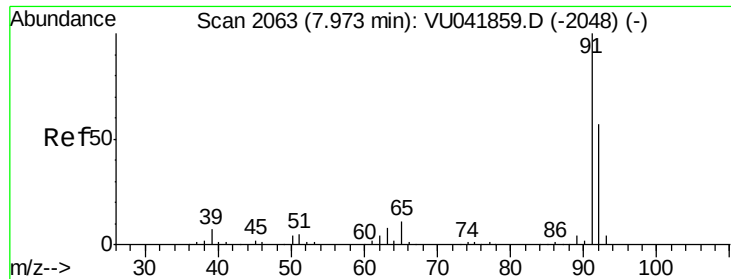


#40

4-Methyl-2-pentanone
 Concen: 46.831 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Tgt Ion: 43 Resp: 370445
 Ion Ratio Lower Upper
 43 100
 58 44.6 35.8 53.6
 100 19.4 15.1 22.7





#42

Toluene

Concen: 5.144 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

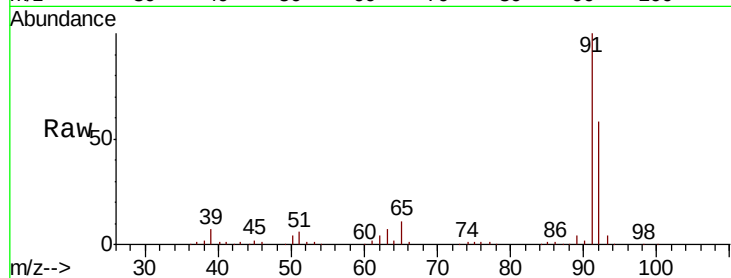
ClientSampleId :

Tot Ion: 91 Resp: 269887

Ion Ratio Lower Upper

91 100

92 57.6 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU041859.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041859.D (-2048) (-)

7.97

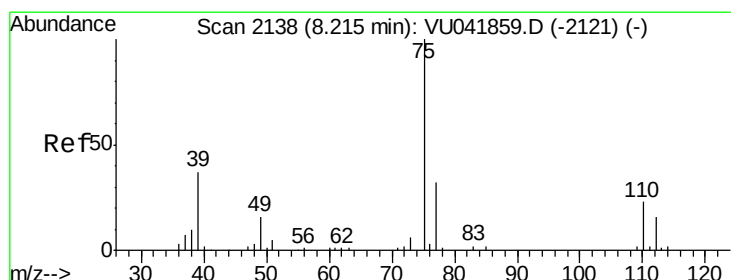
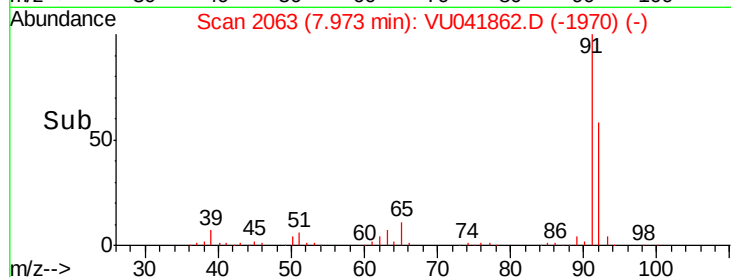
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.948 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041862.D

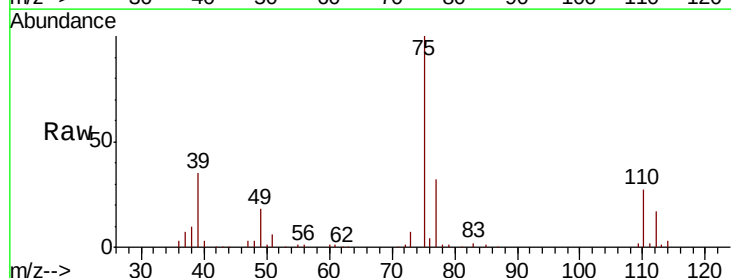
Acq: 06 Jan 2021 15:22

Tgt Ion: 75 Resp: 83910

Ion Ratio Lower Upper

75 100

77 31.6 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU041859.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041859.D (-2121) (-)

8.21

50000

40000

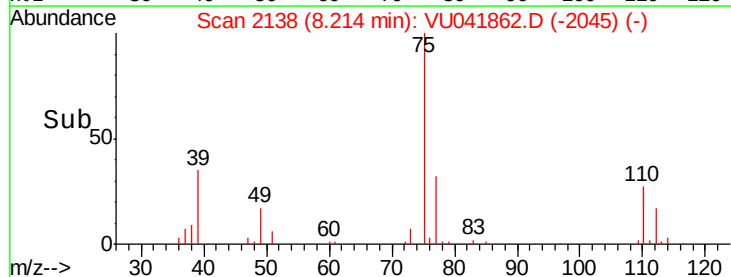
30000

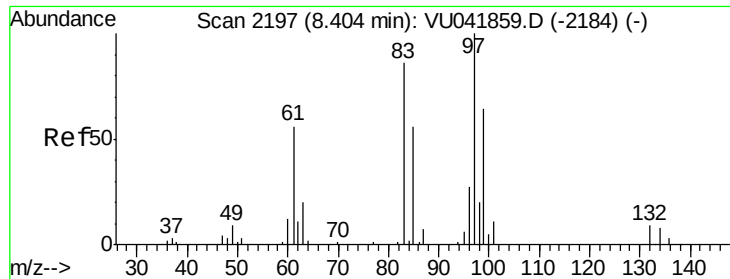
20000

10000

0

Time-->

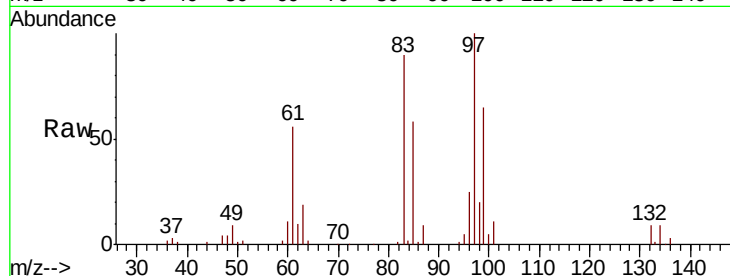




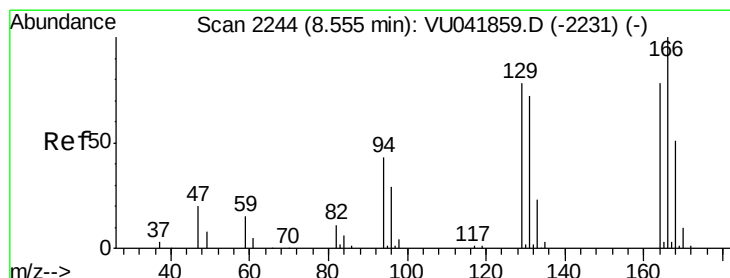
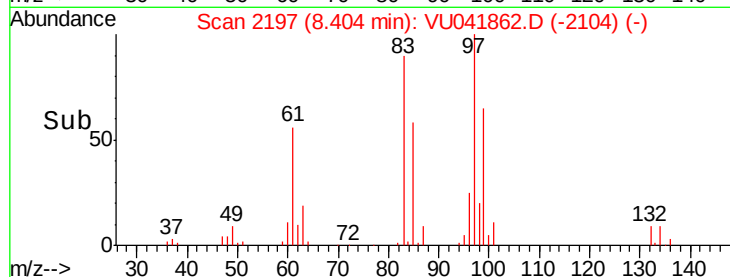
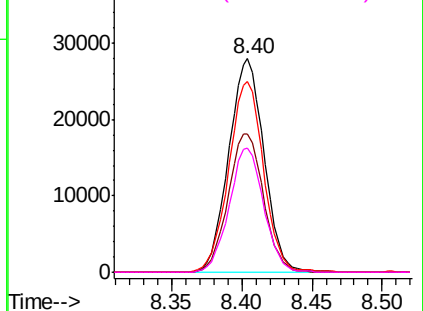
#45
 1,1,2-Trichloroethane
 Concen: 4.895 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	48987
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.2	82.0
83	89.5	60.1	111.7
85	58.2	37.3	69.3

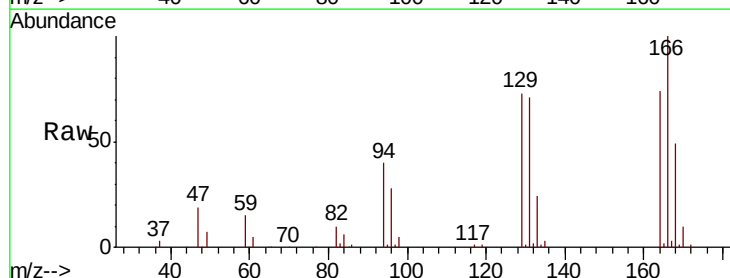


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

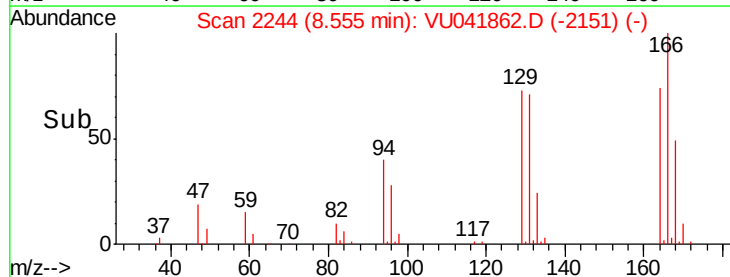
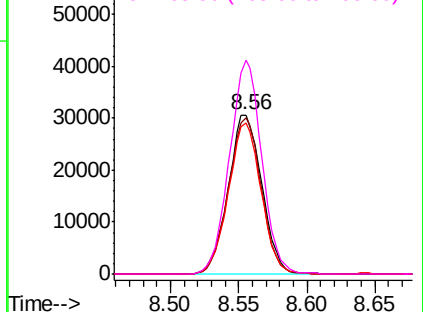


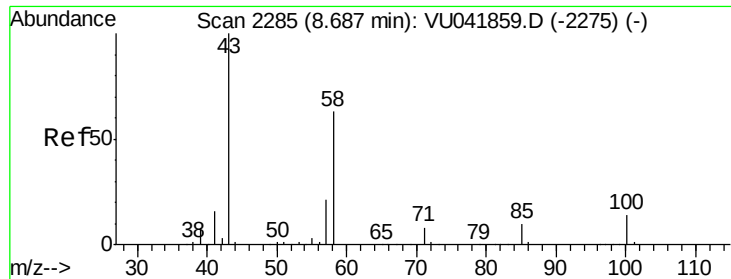
#47
 Tetrachloroethene
 Concen: 5.150 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Tgt Ion:	164	Resp:	52334
Ion	Ratio	Lower	Upper
164	100		
129	98.2	66.6	123.8
131	95.3	65.9	122.3
166	134.4	93.7	173.9



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

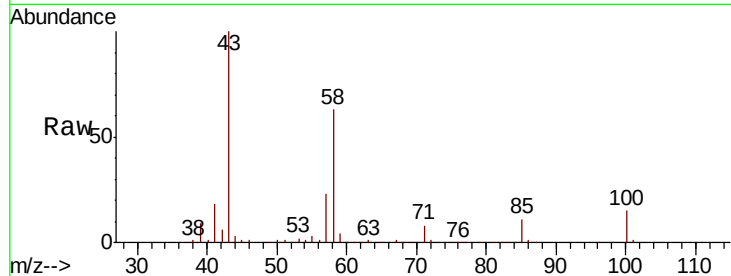




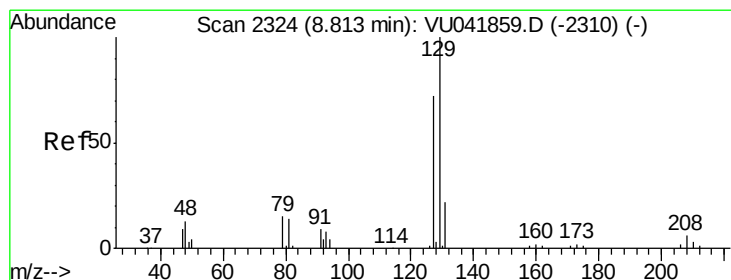
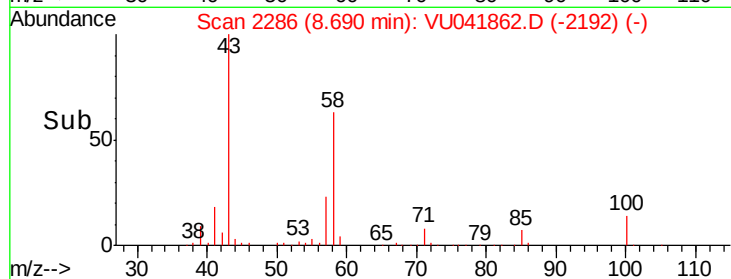
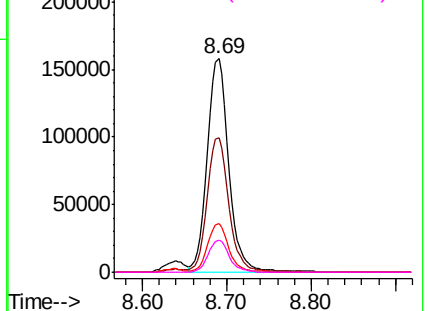
#48
2-Hexanone
Concen: 48.541 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	280781
Ion	Ratio	Lower	Upper
43	100		
58	62.7	50.0	75.0
57	22.3	17.4	26.0
100	14.6	11.8	17.8

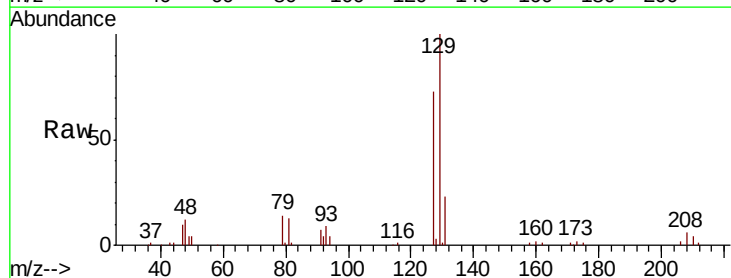


Abundance Ion 43.05 (42.75 to 43.75): VU041859.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041859.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041859.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041859.D (-2275) (-)

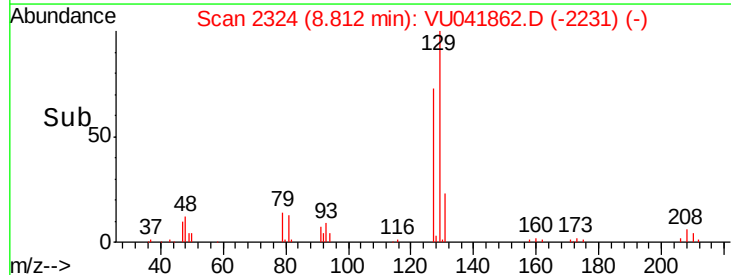
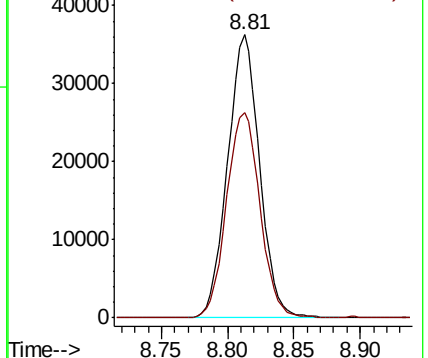


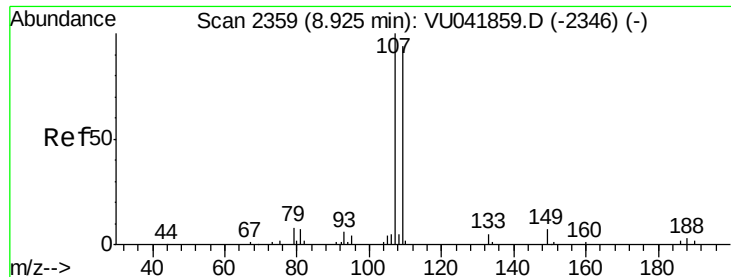
#49
Dibromochloromethane
Concen: 5.062 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion:	129	Resp:	60927
Ion	Ratio	Lower	Upper
129	100		
127	72.7	56.6	105.2



Abundance Ion 128.95 (128.65 to 129.65): VU041859.D (-2310) (-)
Ion 126.90 (126.60 to 127.60): VU041859.D (-2310) (-)

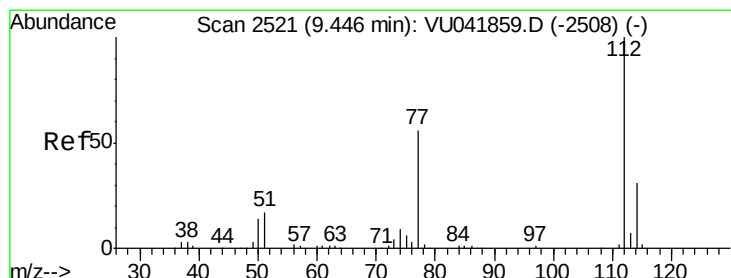
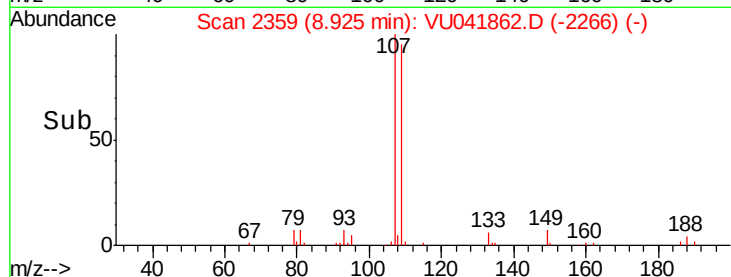
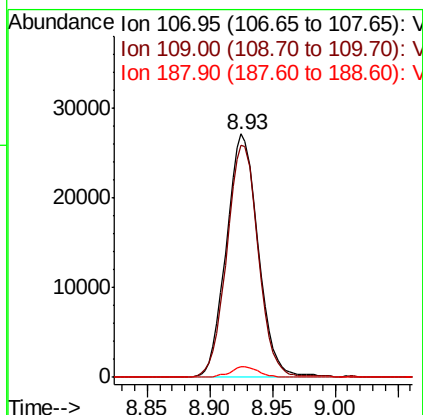
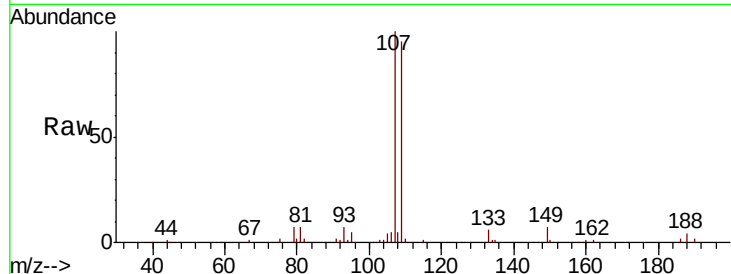




#50
1,2-Dibromoethane
Concen: 4.839 ug/L
RT: 8.93 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

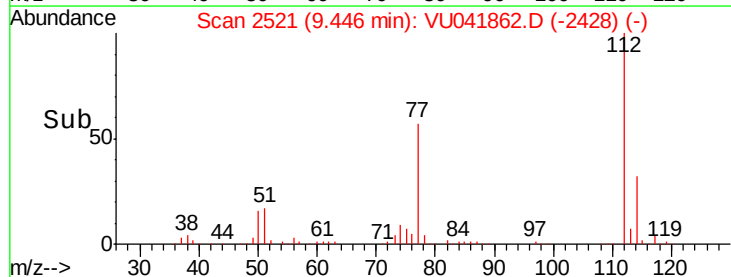
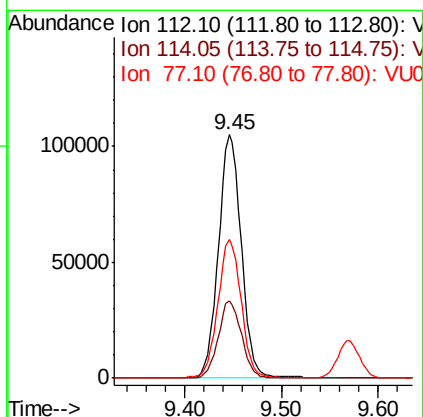
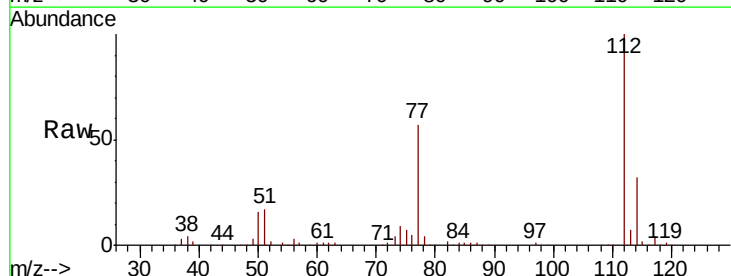
Instrument :
MSVOA_U
ClientSampleId :

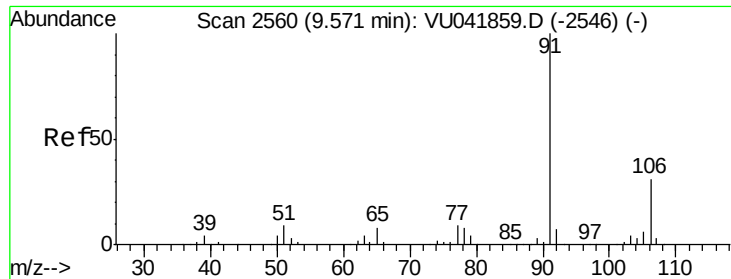
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	65.4	121.4
188	4.3	2.5	3.7#



#51
Chlorobenzene
Concen: 5.019 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.9	40.7
77	56.8	45.1	67.7

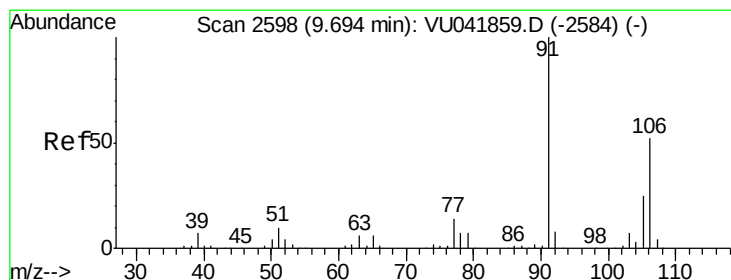
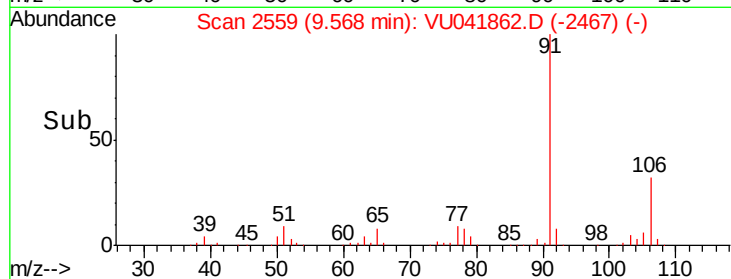
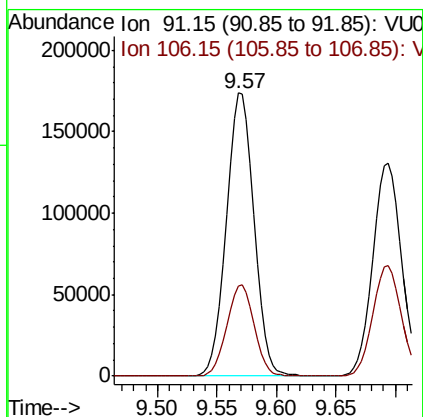
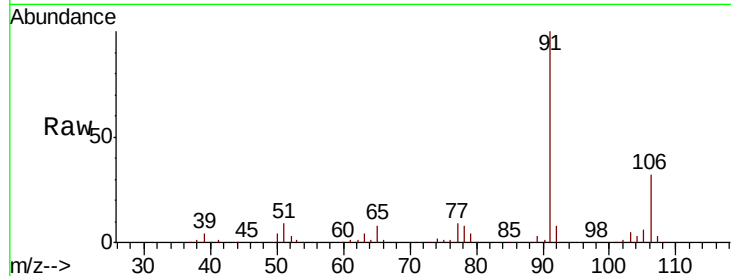




#52
Ethylbenzene
Concen: 5.140 ug/L
RT: 9.57 min Scan# 2559
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

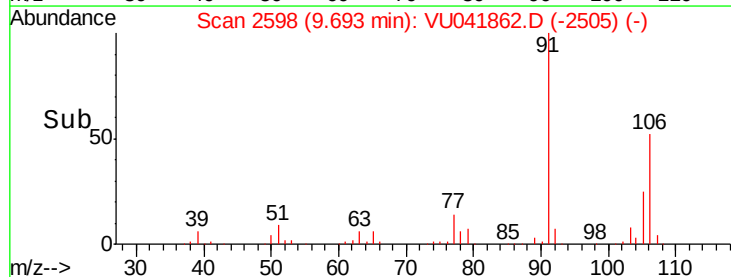
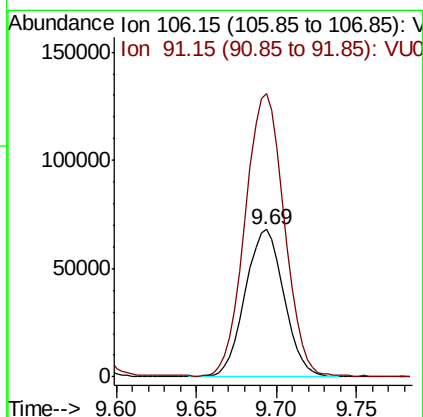
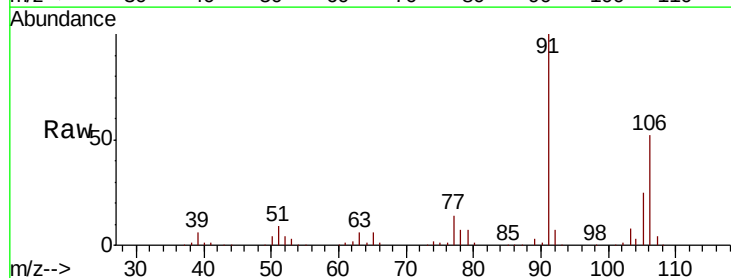
Instrument :
MSVOA_U
ClientSampleId :

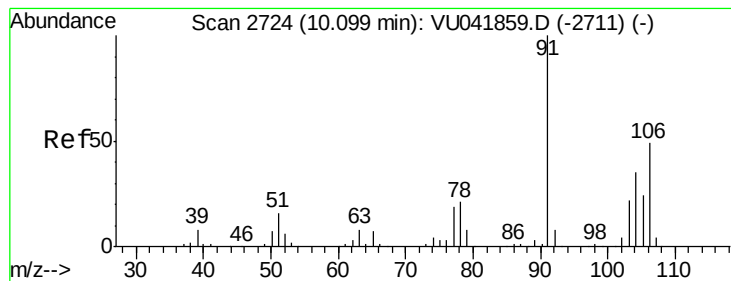
Tot Ion: 91 Resp: 280983
Ion Ratio Lower Upper
91 100
106 31.9 22.0 40.8



#53
m,p-Xylene
Concen: 5.238 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion: 106 Resp: 112304
Ion Ratio Lower Upper
106 100
91 191.7 137.6 255.6





#54

o-Xylene

Concen: 5.201 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

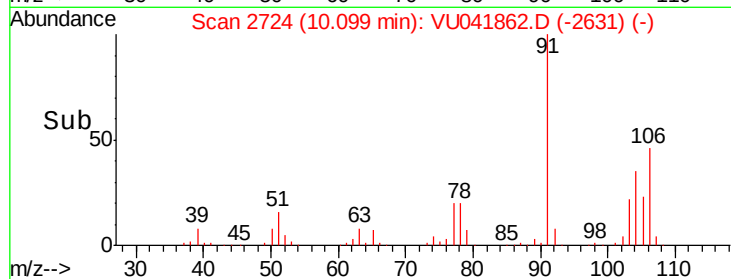
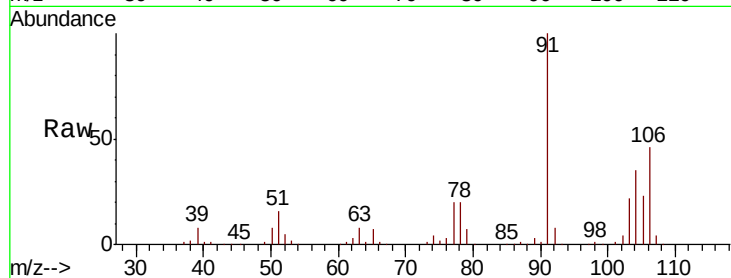
ClientSampled :

Tot Ion:106 Resp: 106228

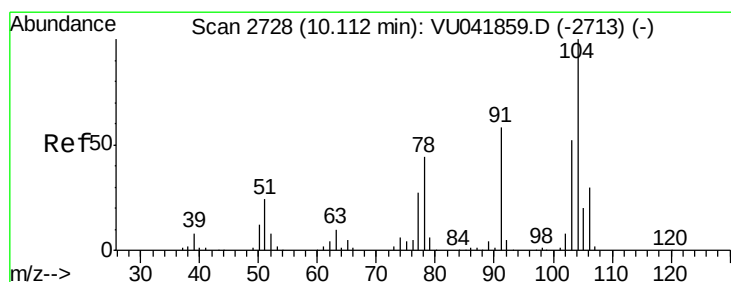
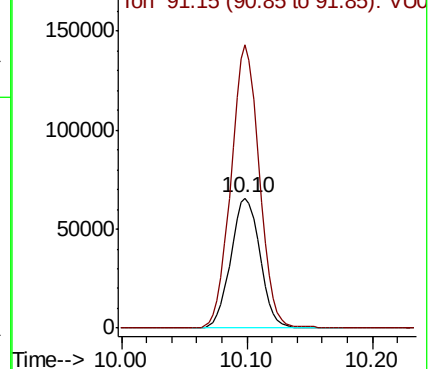
Ion Ratio Lower Upper

106 100

91 217.5 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.350 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041862.D

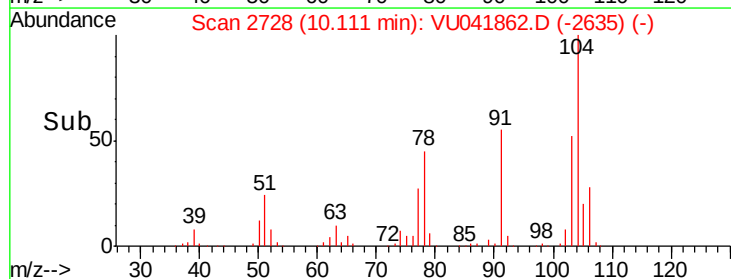
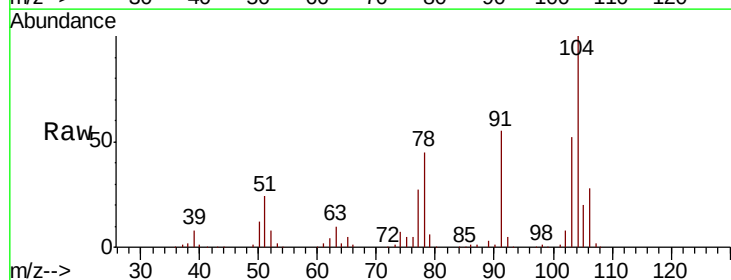
Acq: 06 Jan 2021 15:22

Tgt Ion:104 Resp: 188127

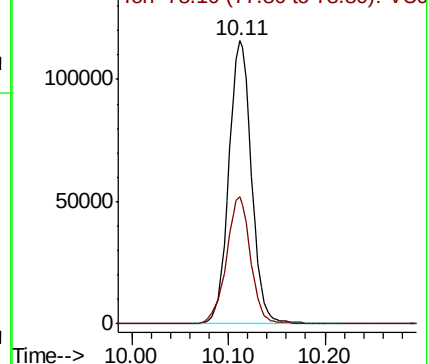
Ion Ratio Lower Upper

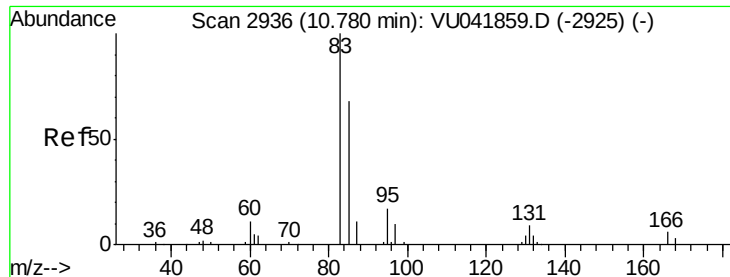
104 100

78 45.1 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V





#57

1,1,2,2-Tetrachloroethane

Concen: 4.819 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

ClientSampleId :

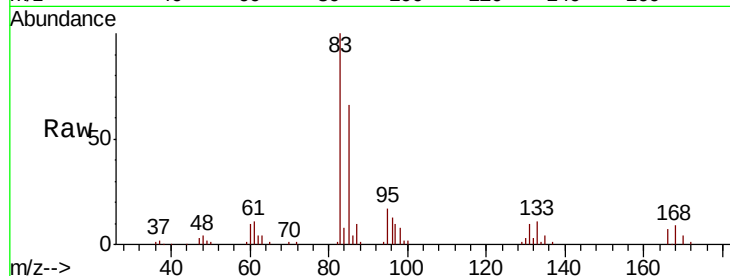
Tot Ion: 83 Resp: 63347

Ion Ratio Lower Upper

83 100

85 65.7 44.9 83.5

131 10.2 8.2 12.4

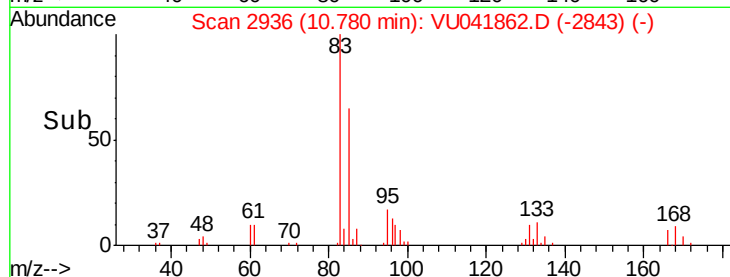


Abundance Ion 82.95 (82.65 to 83.65): VU041859.D (-2925) (-)

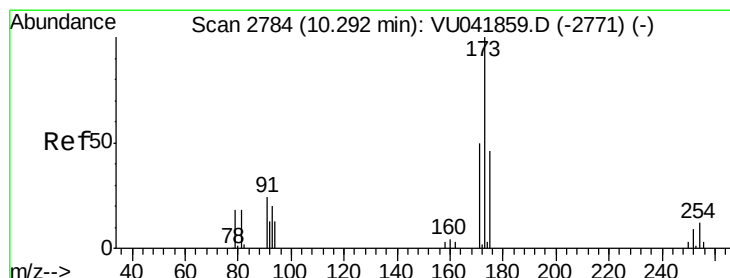
Ion 85.00 (84.70 to 85.30): VU041859.D (-2925) (-)

Ion 130.95 (130.65 to 131.65): VU041859.D (-2925) (-)

Time-->



Time-->



#59

Bromoform

Concen: 4.506 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

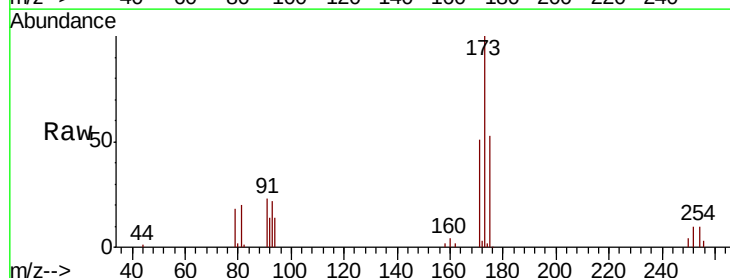
Tgt Ion: 173 Resp: 37132

Ion Ratio Lower Upper

173 100

175 49.9 39.4 59.0

254 9.7 8.0 12.0

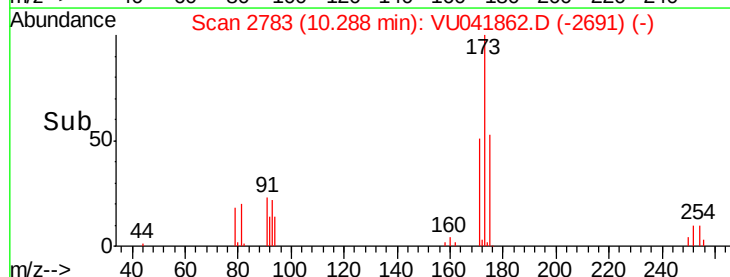


Abundance Ion 172.90 (172.60 to 173.60): VU041859.D (-2771) (-)

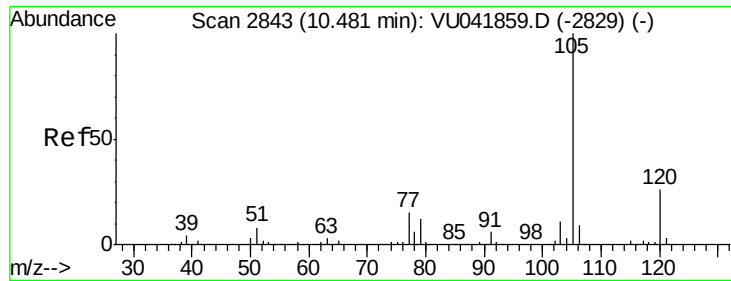
Ion 174.90 (174.60 to 175.60): VU041859.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041859.D (-2771) (-)

Time-->



Time-->



#60

Isopropylbenzene

Concen: 4.741 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

Instrument :

MSVOA_U

ClientSampled :

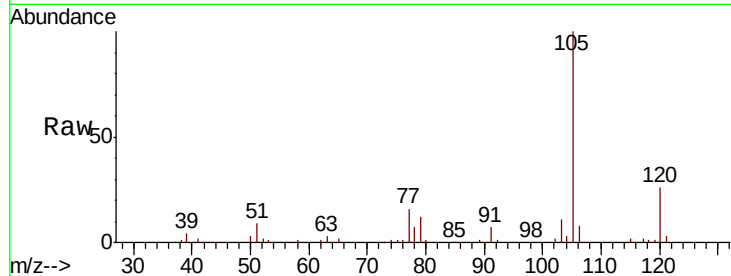
Tot Ion:105 Resp: 283694

Ion Ratio Lower Upper

105 100

120 26.5 20.9 31.3

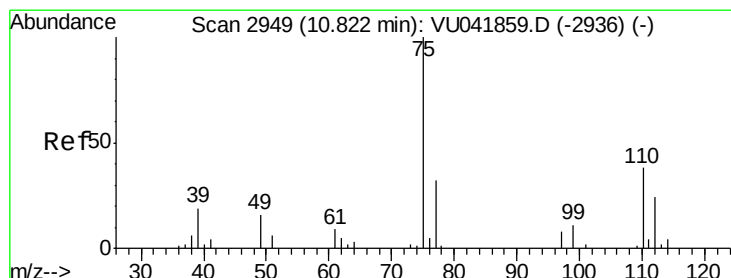
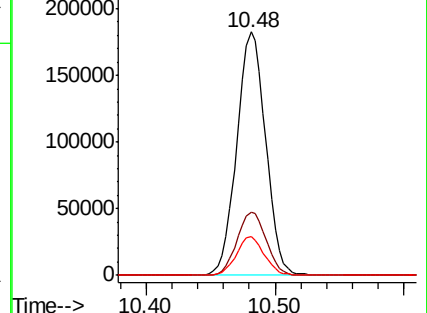
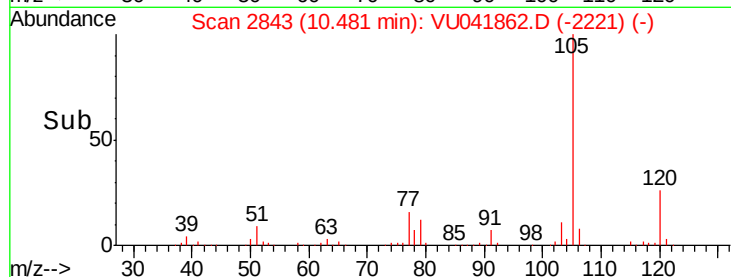
77 15.5 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0



#61

1,2,3-Trichloropropane

Concen: 4.297 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041862.D

Acq: 06 Jan 2021 15:22

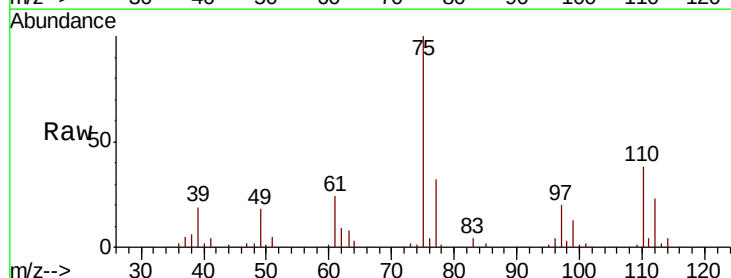
Tgt Ion: 75 Resp: 46133

Ion Ratio Lower Upper

75 100

110 39.3 31.5 47.3

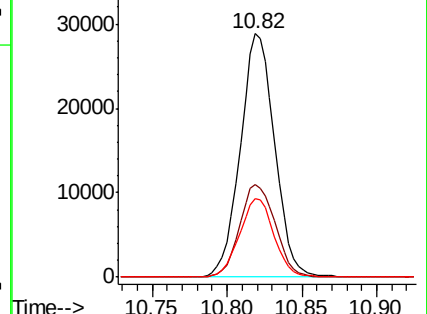
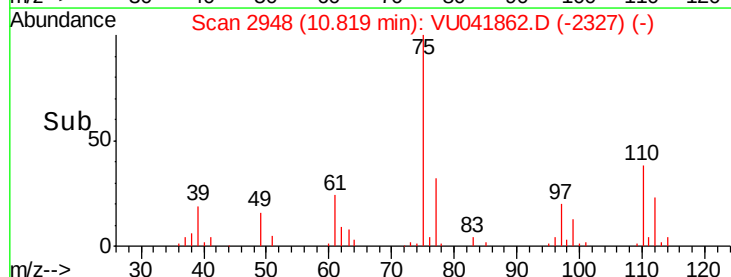
77 32.3 26.3 39.5

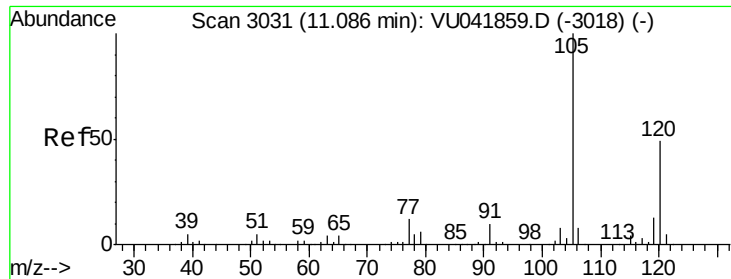


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0

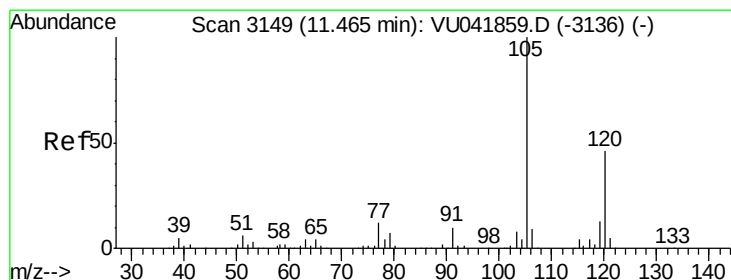
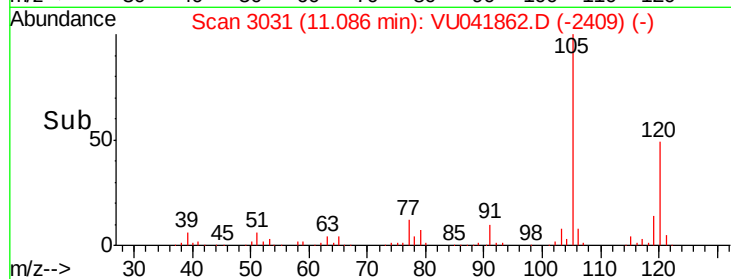
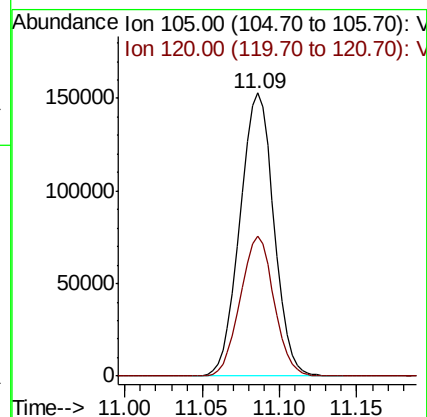
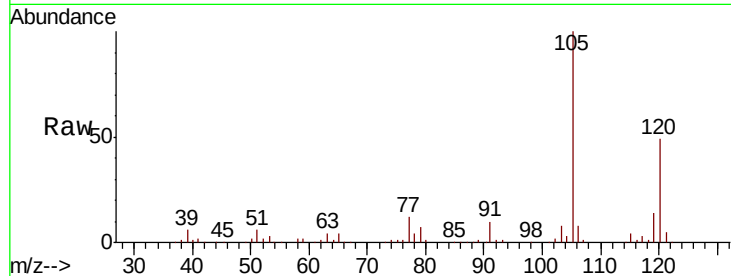




#62
 1,3,5-Trimethylbenzene
 Concen: 4.740 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

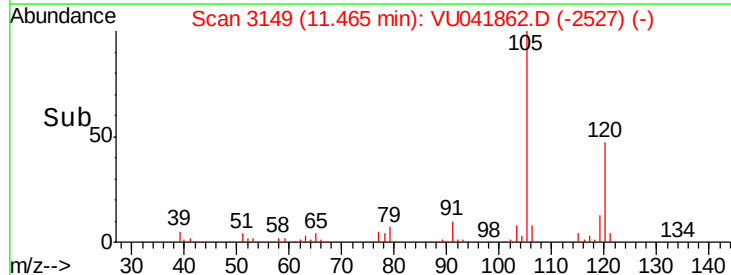
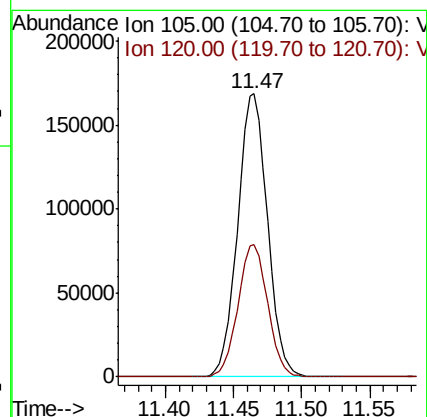
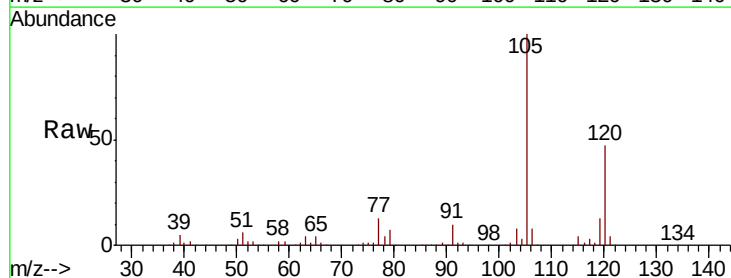
Instrument :
 MSVOA_U
 ClientSampleId :

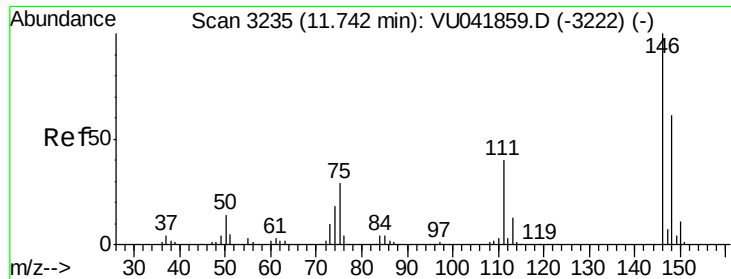
Tot Ion:105 Resp: 232855
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 5.239 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Tgt Ion:105 Resp: 255499
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.7 55.1

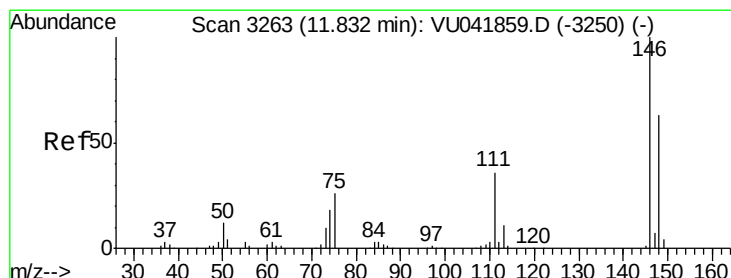
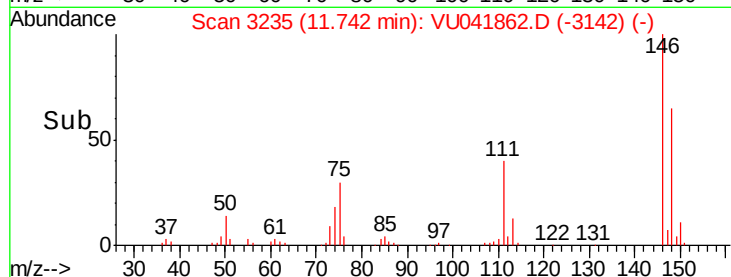
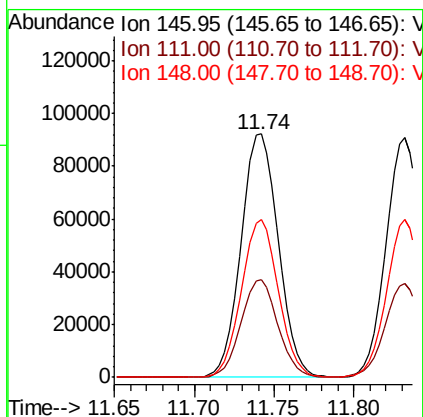
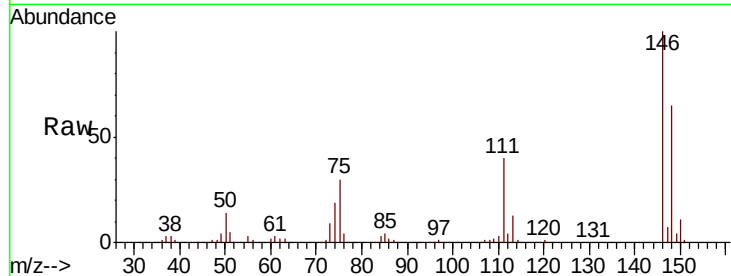




#64
 1,3-Dichlorobenzene
 Concen: 5.050 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

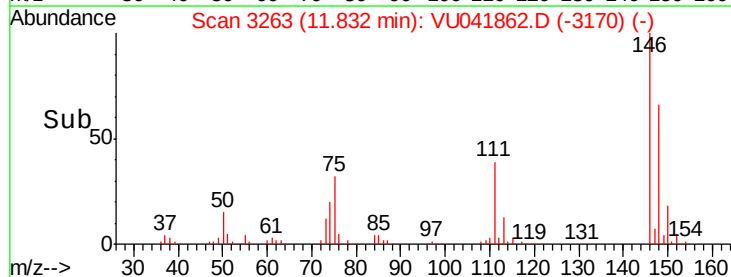
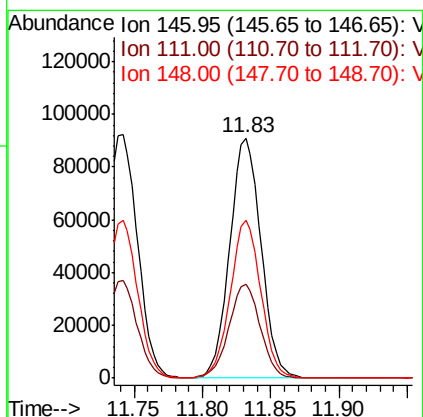
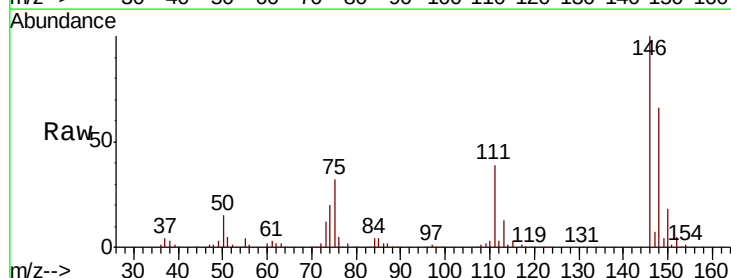
Instrument :
 MSVOA_U
 ClientSampled :

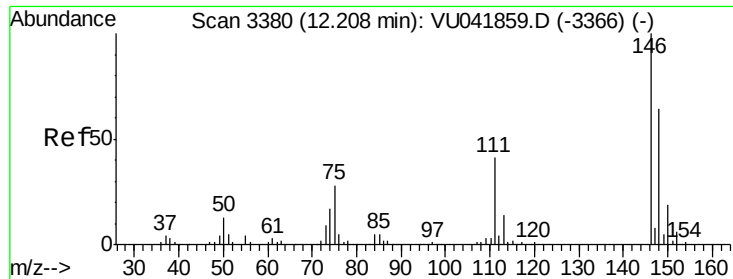
Tot Ion:146 Resp: 146128
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.6 51.2
 148 65.0 44.9 83.3



#65
 1,4-Dichlorobenzene
 Concen: 4.922 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Tgt Ion:146 Resp: 144755
 Ion Ratio Lower Upper
 146 100
 111 39.2 26.7 49.5
 148 66.0 43.9 81.5

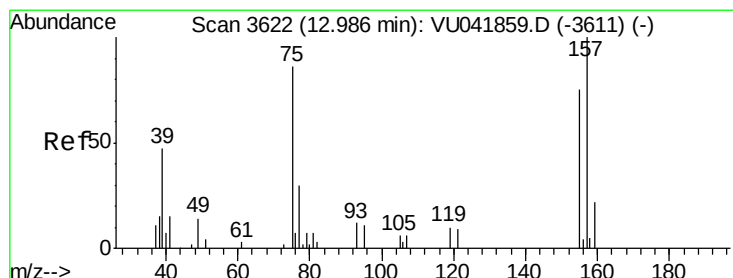
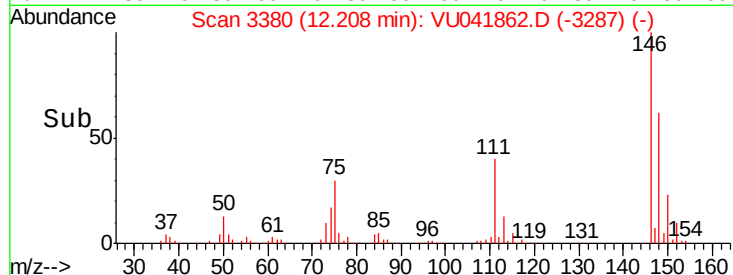
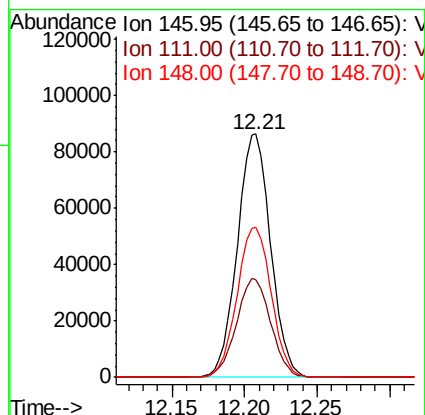
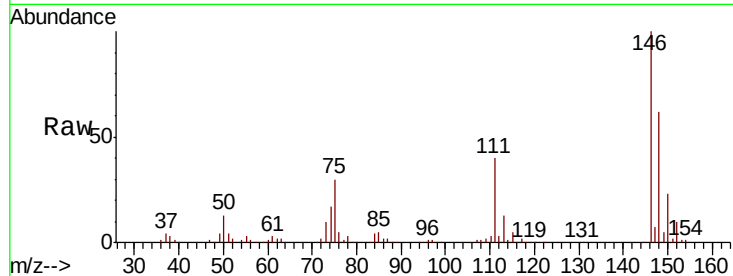




#67
 1,2-Dichlorobenzene
 Concen: 4.781 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

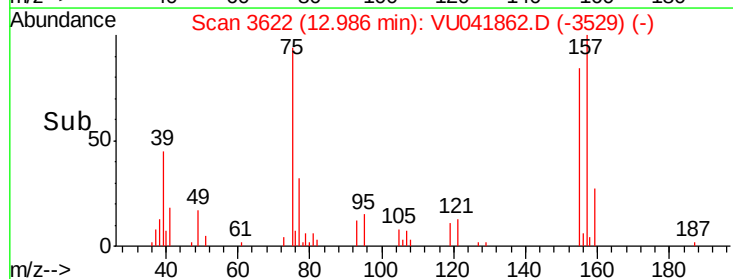
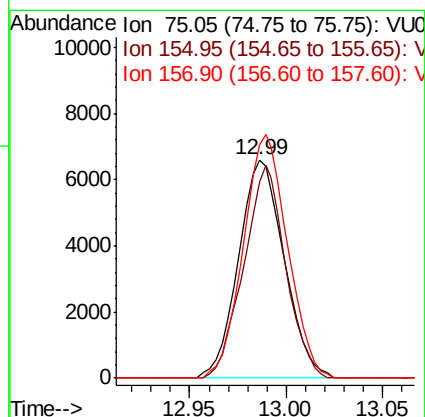
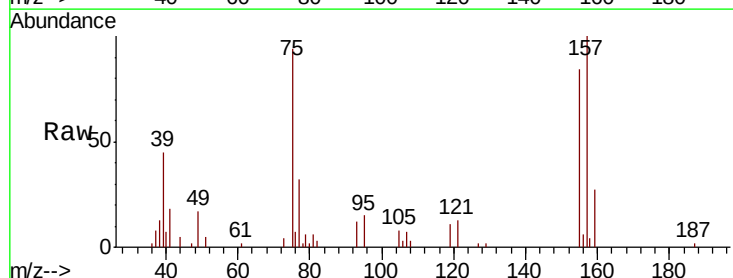
Instrument :
 MSVOA_U
 ClientSampled :

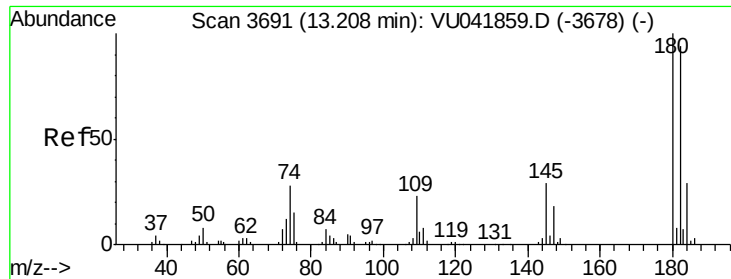
Tot Ion:146 Resp: 137592
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.9 47.9
 148 61.5 48.8 73.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.368 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Tgt Ion: 75 Resp: 10794
 Ion Ratio Lower Upper
 75 100
 155 89.7 67.8 101.8
 157 106.6 82.4 123.6

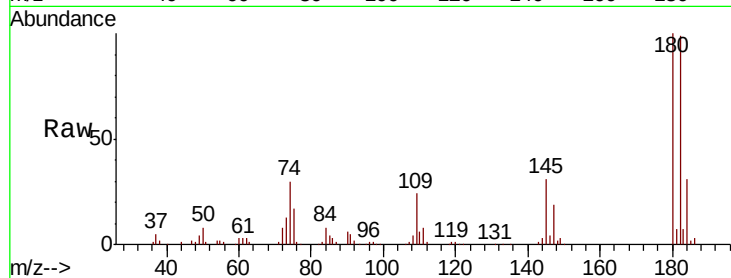




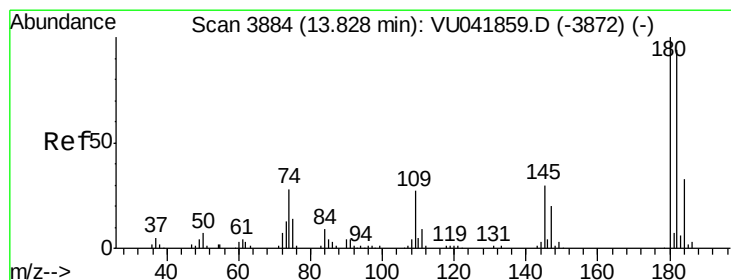
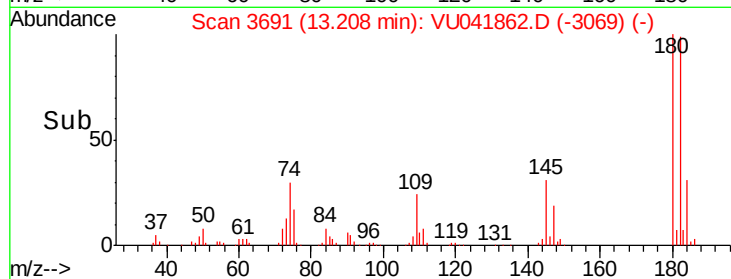
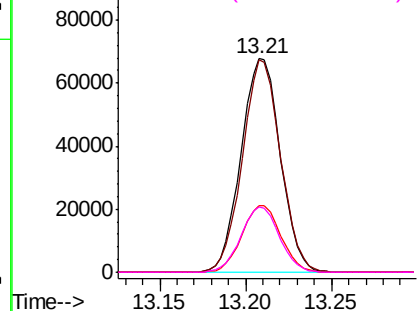
#69
 1,3,5-Trichlorobenzene
 Concen: 4.948 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 107296
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.1 114.1
 184 30.9 24.0 36.0
 145 30.0 23.2 34.8

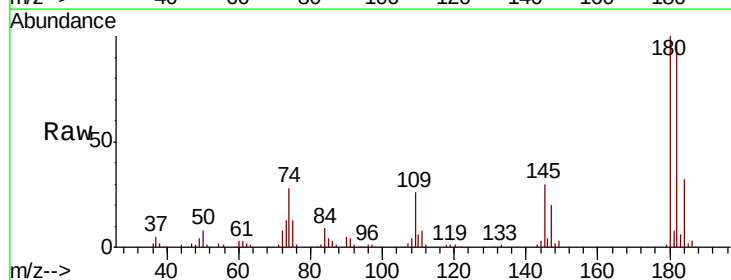


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

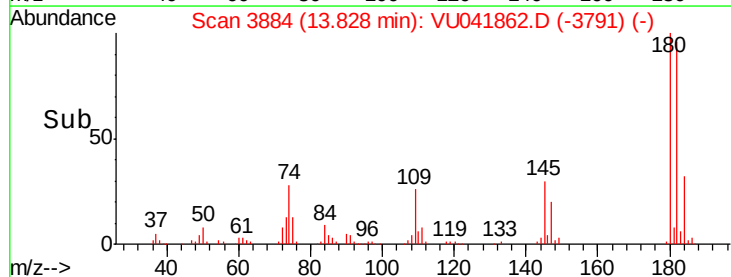
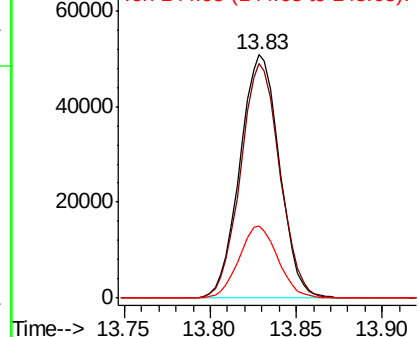


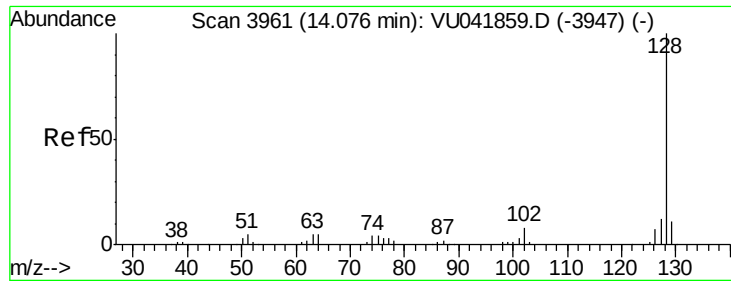
#70
 1,2,4-trichlorobenzene
 Concen: 5.116 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041862.D
 Acq: 06 Jan 2021 15:22

Tgt Ion:180 Resp: 80935
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.5 114.7
 145 29.1 24.1 36.1



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

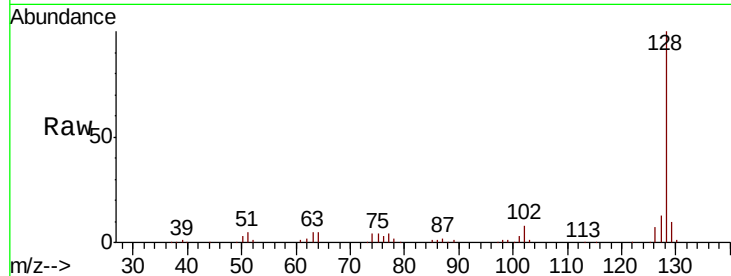




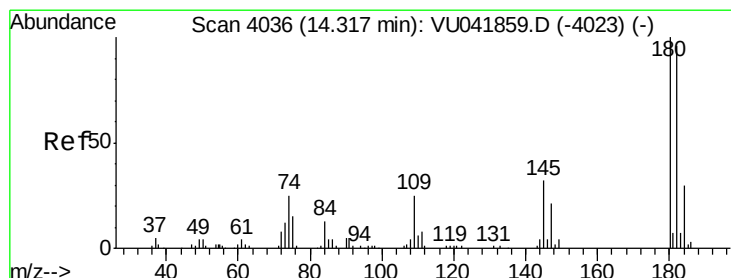
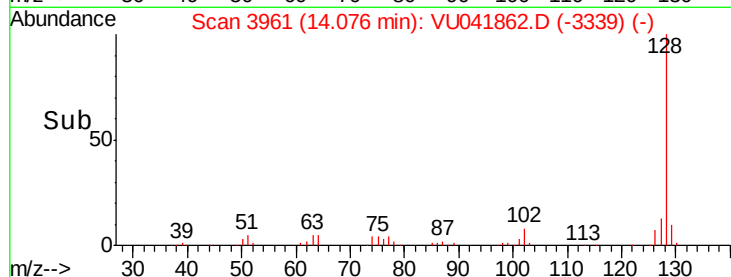
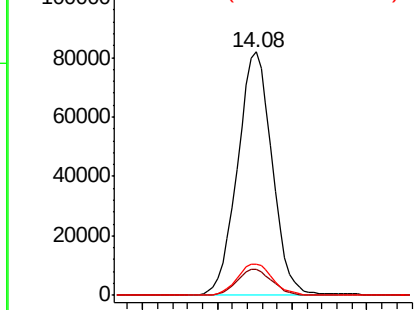
#71
Naphthalene
Concen: 4.724 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 131807
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 13.1 10.6 15.8

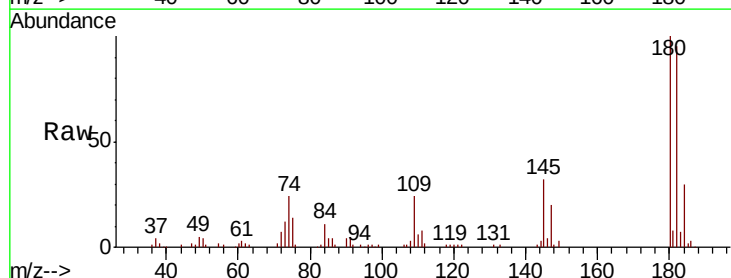


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 5.124 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU041862.D
Acq: 06 Jan 2021 15:22

Tgt Ion:180 Resp: 77407
Ion Ratio Lower Upper
180 100
182 95.8 75.8 113.8
145 32.3 25.0 37.4



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

