

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010421\
 Data File : VU041847.D
 Acq On : 04 Jan 2021 16:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 05 01:02:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 05 01:00:34 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	162488	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	151550	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	83341	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	50813	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.92	69	50012	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.58	63	111628	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.66	46	181648	49.78	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.56%
24) Chloroform-d	5.08	84	116411	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.72	65	61308	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.74	84	222805	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.70	67	67931	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.90	98	186740	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.18	79	26823	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.64	63	141999	42.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	59778	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	73725	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	73642	5.350 ug/L	99
3) Chloromethane	1.52	50	71116	5.317 ug/L	97
5) Vinyl chloride	1.61	62	81861	5.543 ug/L	97
6) Bromomethane	1.86	94	31252	3.385 ug/L	98
8) Chloroethane	1.94	64	59180	5.900 ug/L	100
9) Trichlorofluoromethane	2.14	101	110687	5.922 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	65310	5.843 ug/L	99
12) 1,1-Dichloroethene	2.59	96	63648	5.774 ug/L	91
13) Acetone	2.67	43	42710	18.401 ug/L	93
14) Carbon disulfide	2.80	76	204219	5.361 ug/L	98
15) Methyl Acetate	2.97	43	28505	4.724 ug/L	97
16) Methylene chloride	3.06	84	73902	5.614 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	149697	5.090 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	62247	5.460 ug/L	95
19) 1,1-Dichloroethane	3.89	63	115480	5.419 ug/L	98
21) 2-Butanone	4.74	43	182530	48.280 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	66240	5.257 ug/L	98

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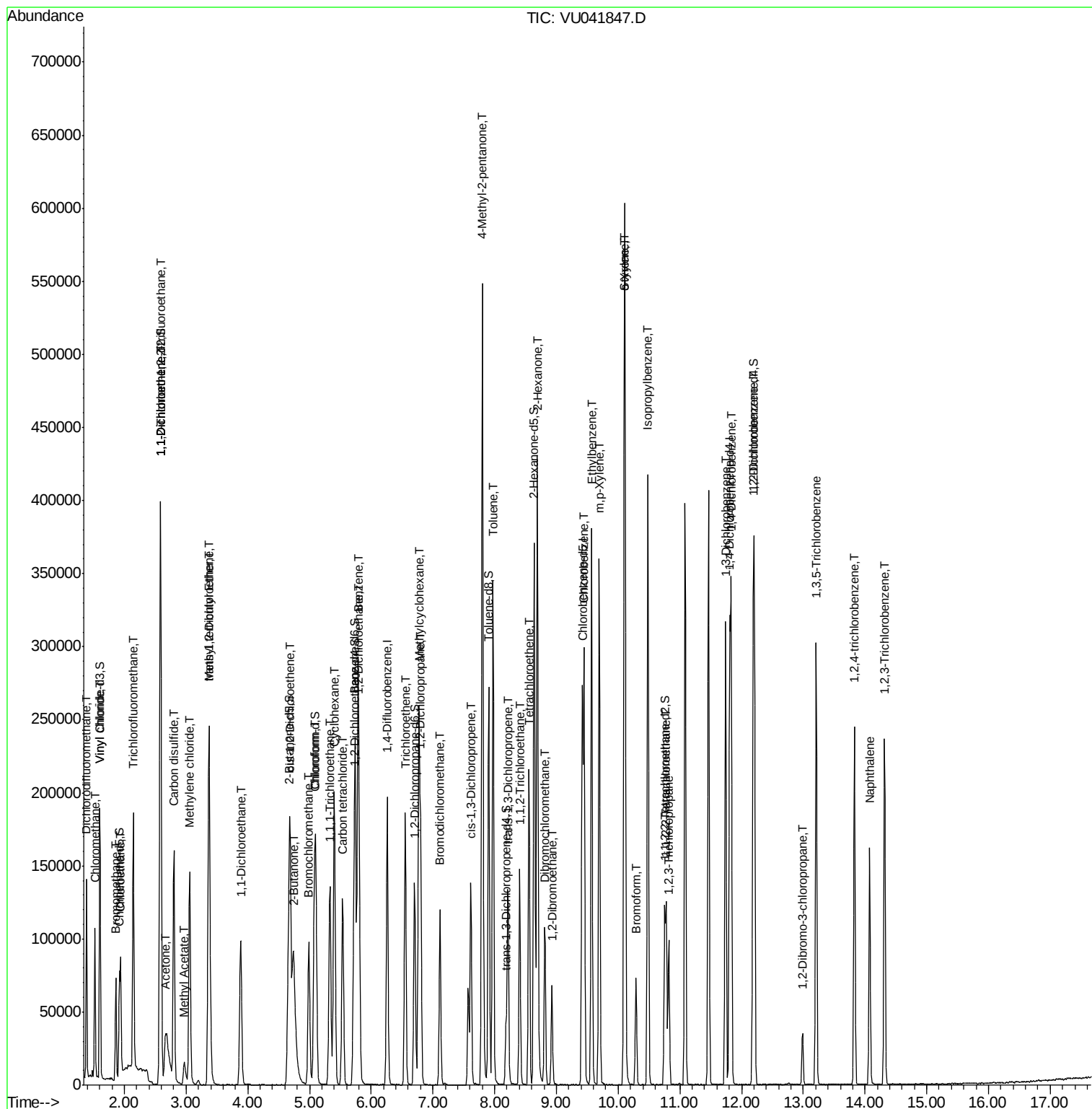
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	33069	5.713	ug/L	92
25) Chloroform	5.11	83	120261	5.604	ug/L	99
27) 1,2-Dichloroethane	5.81	62	75492	5.195	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	102044	5.863	ug/L	97
30) Cyclohexane	5.40	56	98012	5.024	ug/L	94
31) Carbon tetrachloride	5.54	117	89649	5.957	ug/L	99
33) Benzene	5.79	78	264383	5.455	ug/L	100
34) Trichloroethene	6.55	95	64325	5.282	ug/L	94
35) Methylcyclohexane	6.77	83	98094	4.982	ug/L	99
37) 1,2-Dichloropropane	6.80	63	62308	5.026	ug/L	98
38) Bromodichloromethane	7.11	83	80270	5.204	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	86029	4.683	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	347191	39.357	ug/L #	94
42) Toluene	7.97	91	256800	5.132	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	79057	4.812	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	48560	5.296	ug/L	95
47) Tetrachloroethene	8.56	164	49838	5.845	ug/L	95
48) 2-Hexanone	8.69	43	264010	41.123	ug/L #	97
49) Dibromochloromethane	8.81	129	58207	5.527	ug/L	97
50) 1,2-Dibromoethane	8.93	107	43923	4.843	ug/L	95
51) Chlorobenzene	9.45	112	163871	5.268	ug/L	95
52) Ethylbenzene	9.57	91	267452	5.019	ug/L	98
53) m,p-Xylene	9.69	106	106160	5.342	ug/L	100
54) o-Xylene	10.10	106	107176	5.506	ug/L	94
55) Styrene	10.11	104	181716	5.404	ug/L	99
56) Isopropylbenzene	10.48	105	268309	5.179	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	60776	4.764	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	42817	4.599	ug/L	99
61) Bromoform	10.29	173	34078	5.409	ug/L	94
62) 1,3-Dichlorobenzene	11.74	146	134497	5.277	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	137016	5.346	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	131024	5.249	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9605	4.103	ug/L #	81
67) 1,3,5-Trichlorobenzene	13.21	180	96979	5.012	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	79169	4.876	ug/L	98
69) Naphthalene	14.08	128	134652	4.006	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	76578	4.948	ug/L	100

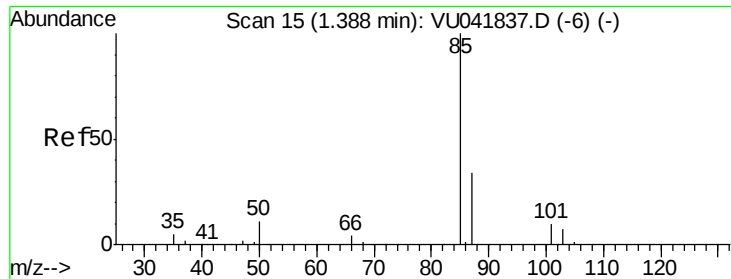
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.350 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

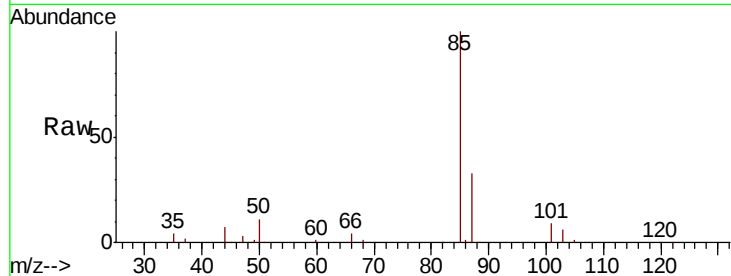
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 73642

Ion Ratio Lower Upper

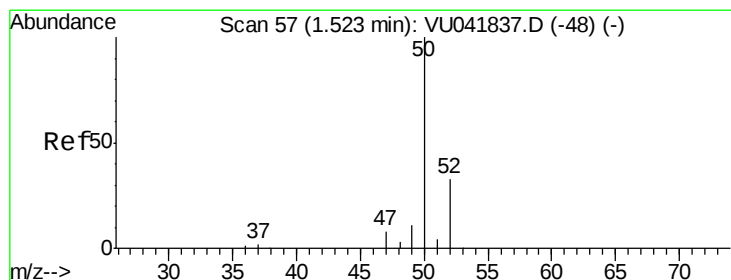
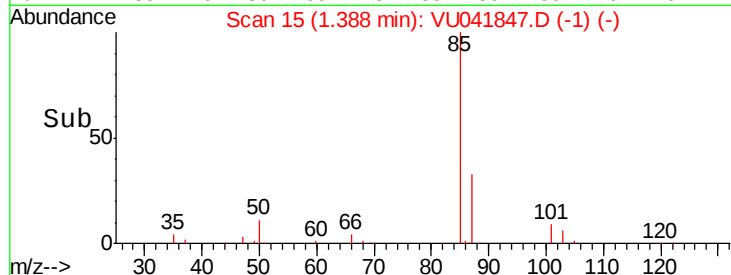
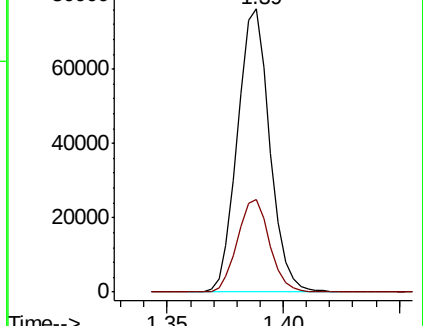
85 100

87 32.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041837.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041837.D (-6) (-)



#3

Chloromethane

Concen: 5.317 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041847.D

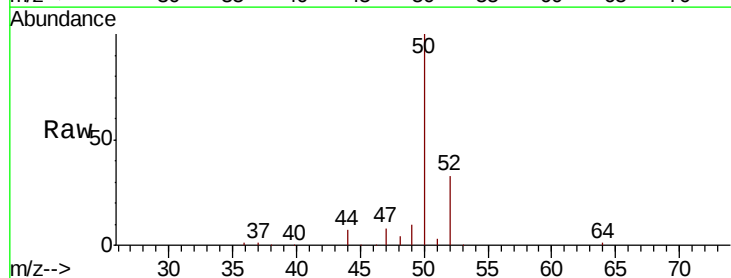
Acq: 04 Jan 2021 16:39

Tgt Ion: 50 Resp: 71116

Ion Ratio Lower Upper

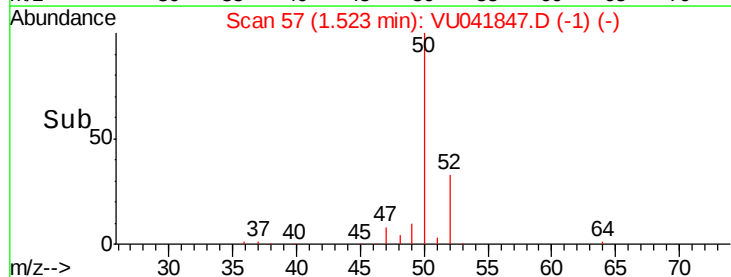
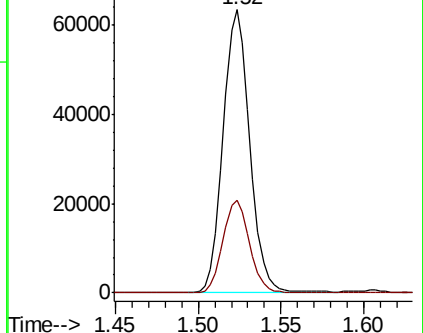
50 100

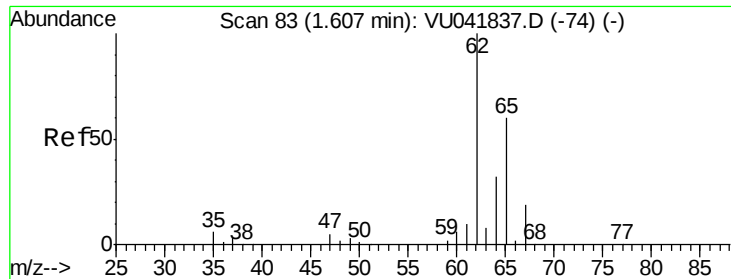
52 32.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041837.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041837.D (-48) (-)





#5

Vinyl chloride

Concen: 5.543 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

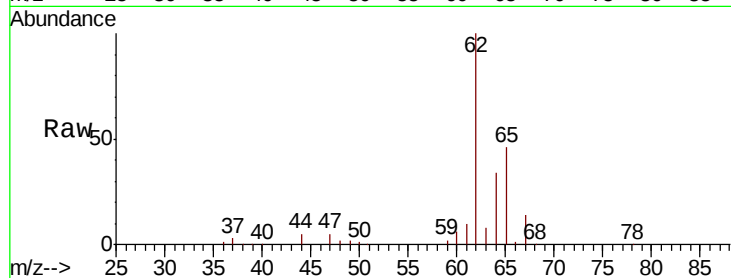
ClientSampled :

Tot Ion: 62 Resp: 81861

Ion Ratio Lower Upper

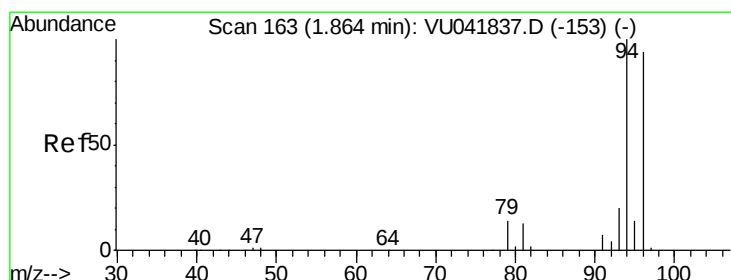
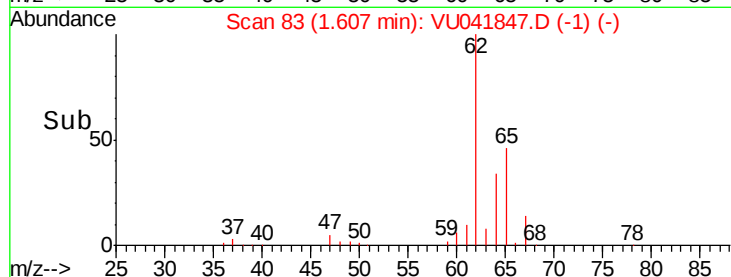
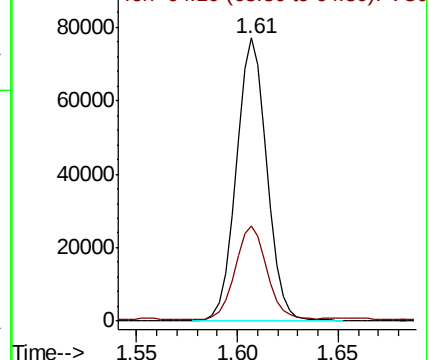
62 100

64 33.5 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: 3.385 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041847.D

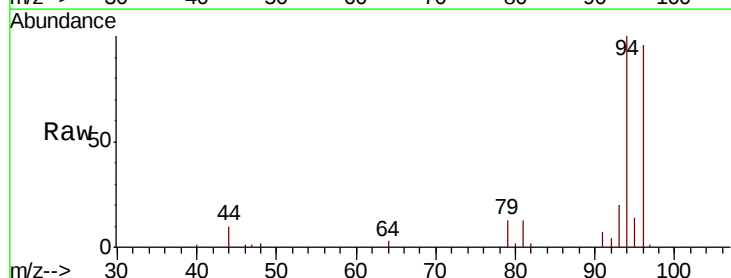
Acq: 04 Jan 2021 16:39

Tgt Ion: 94 Resp: 31252

Ion Ratio Lower Upper

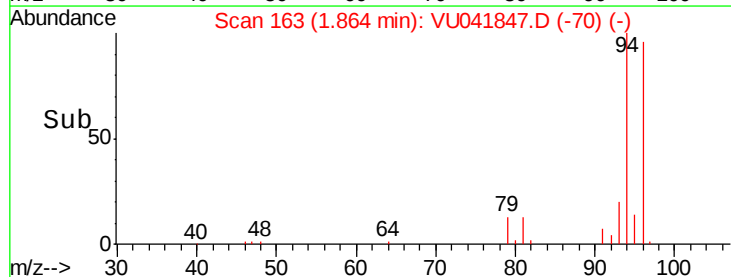
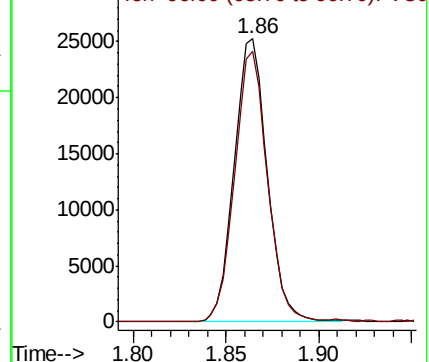
94 100

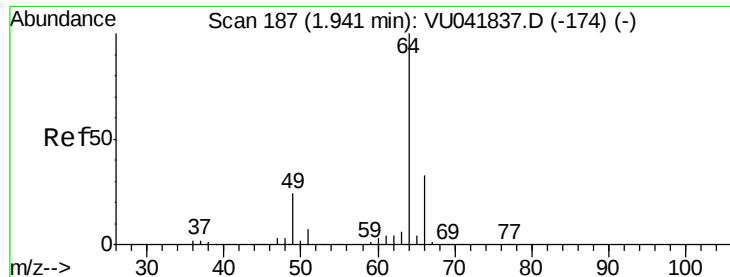
96 95.5 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

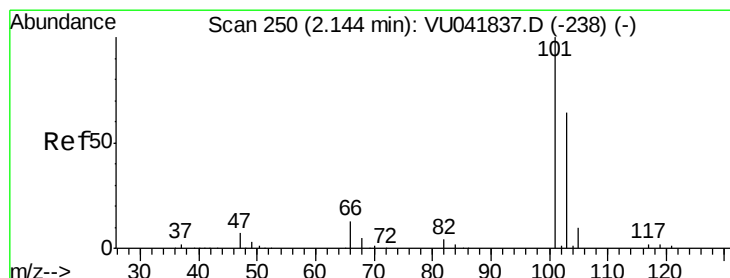
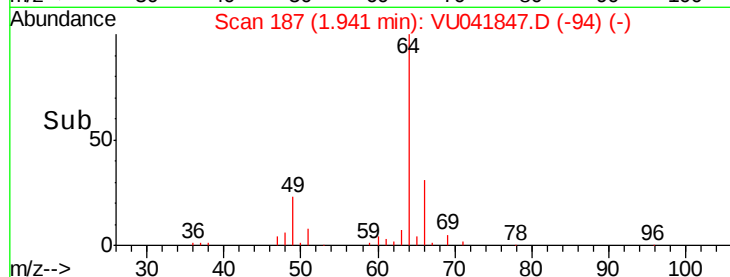
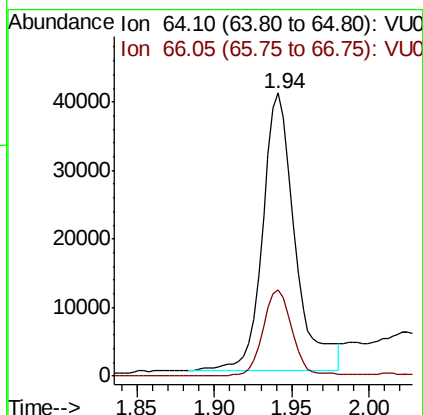
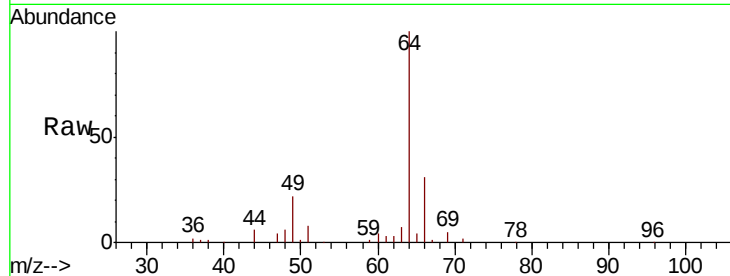




#8
Chloroethane
Concen: 5.900 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

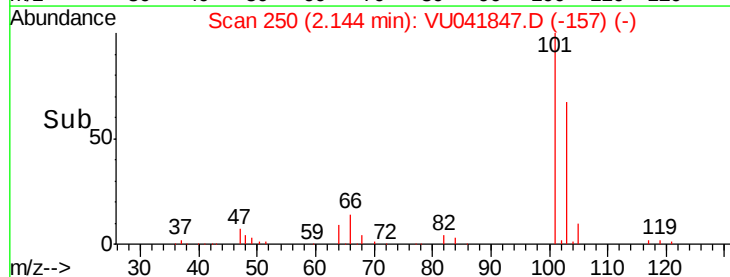
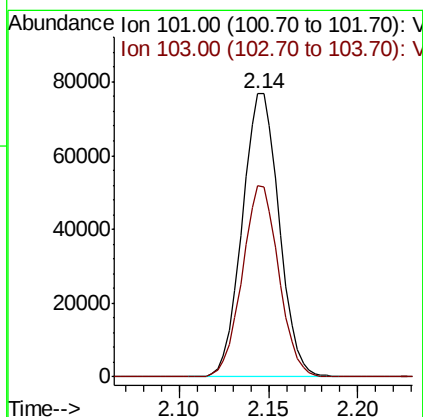
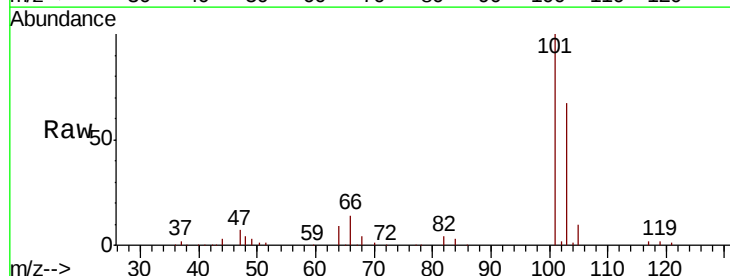
Instrument :
MSVOA_U
ClientSampleId :

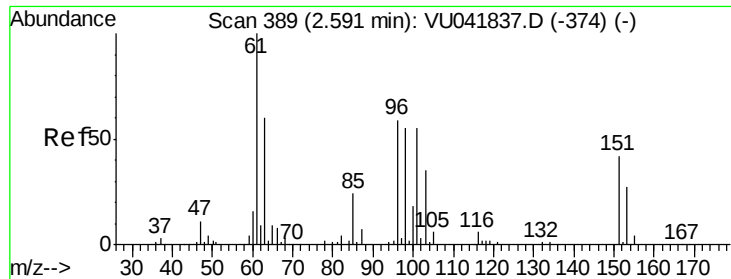
Tot Ion: 64 Resp: 59180
Ion Ratio Lower Upper
64 100
66 30.6 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.922 ug/L
RT: 2.14 min Scan# 250
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Tgt Ion:101 Resp: 110687
Ion Ratio Lower Upper
101 100
103 66.6 51.1 76.7





#10

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

Concen: 5.843 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

ClientSampled :

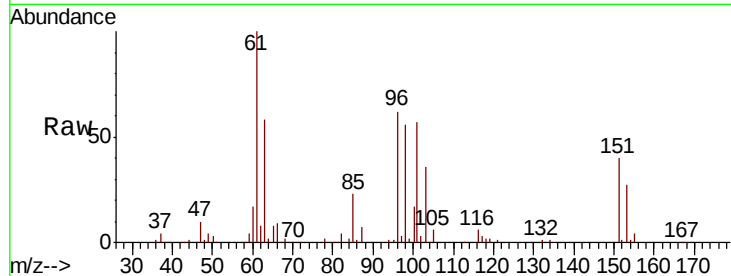
Tot Ion:101 Resp: 65310

Ion Ratio Lower Upper

101 100

85 41.6 33.6 50.4

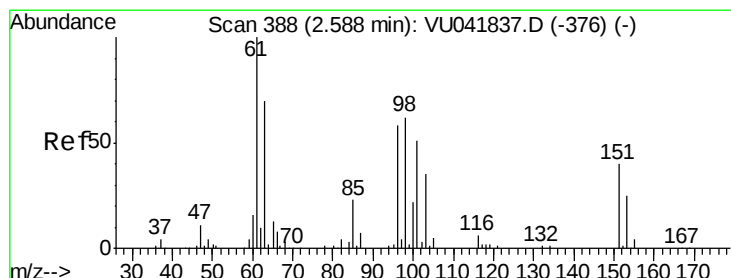
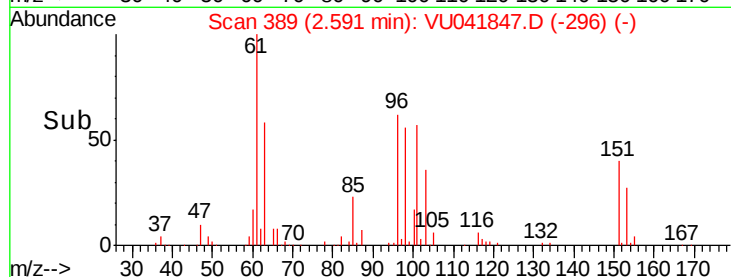
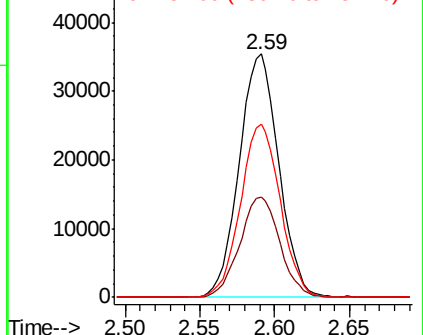
151 71.5 56.2 84.4



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: 5.774 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

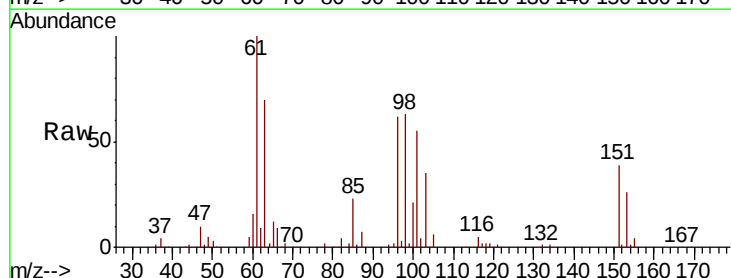
Tgt Ion: 96 Resp: 63648

Ion Ratio Lower Upper

96 100

61 160.0 123.8 230.0

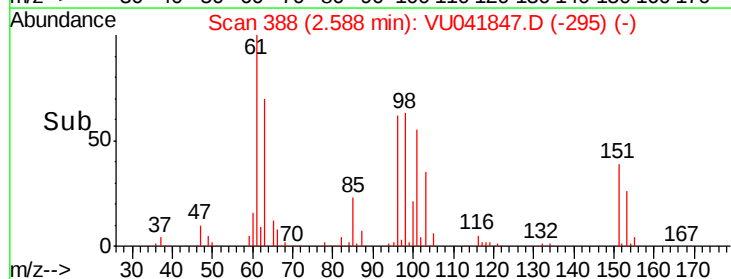
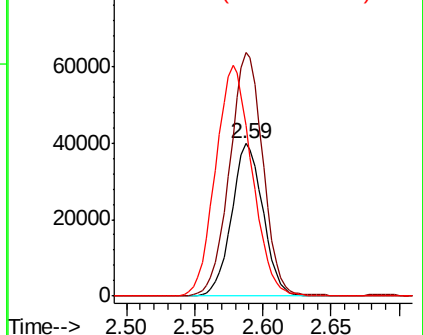
63 111.9 81.0 150.4

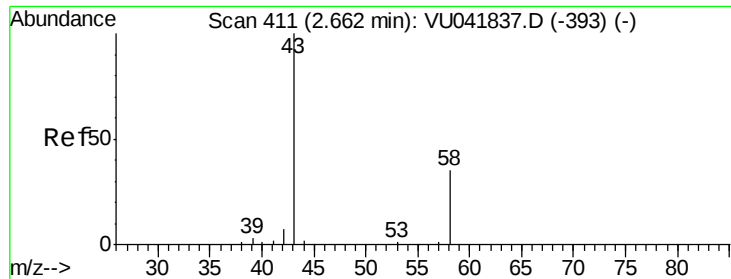


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 18.401 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

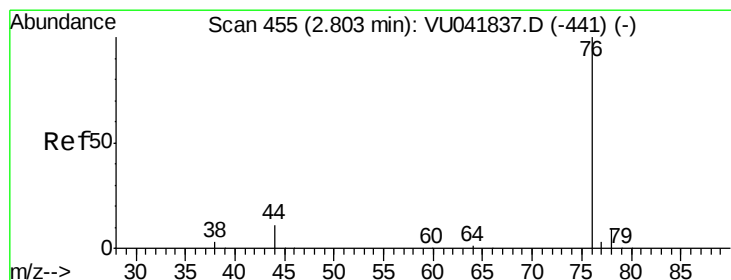
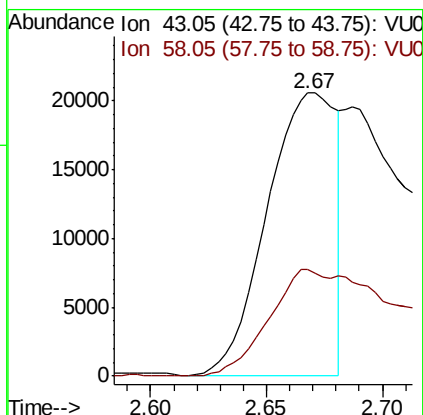
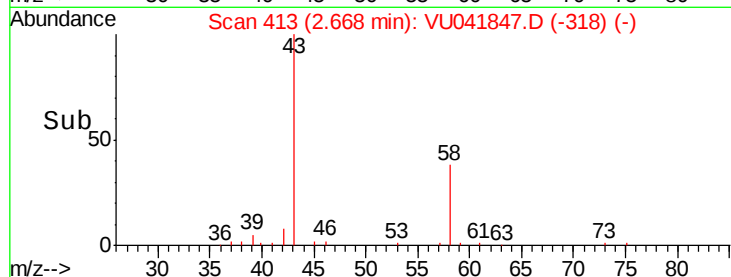
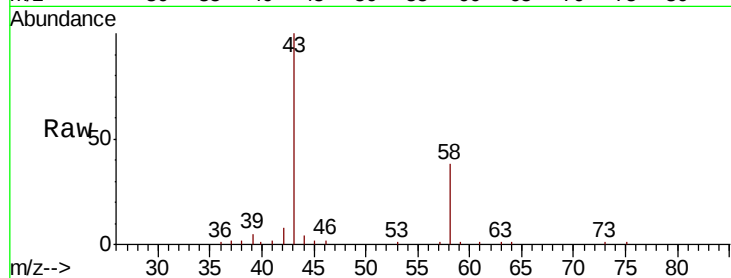
ClientSampleId :

Tot Ion: 43 Resp: 42710

Ion Ratio Lower Upper

43 100

58 32.6 0.0 73.2



#14

Carbon disulfide

Concen: 5.361 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041847.D

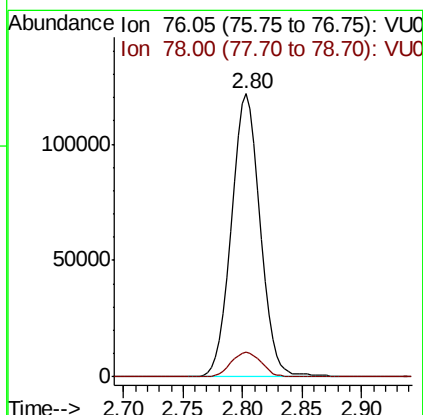
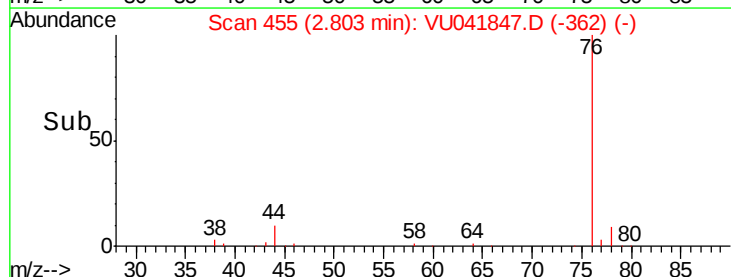
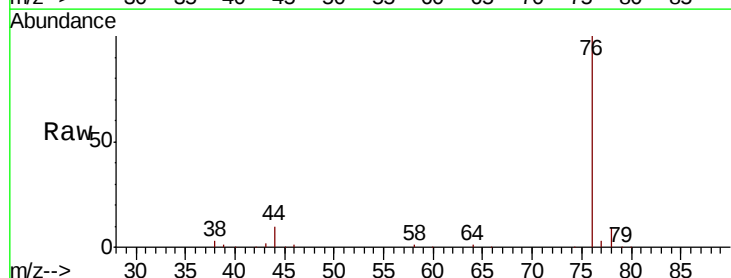
Acq: 04 Jan 2021 16:39

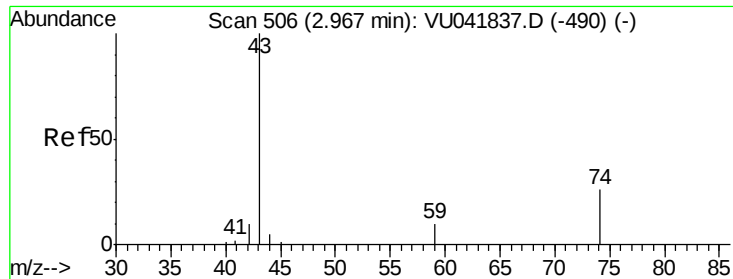
Tgt Ion: 76 Resp: 204219

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

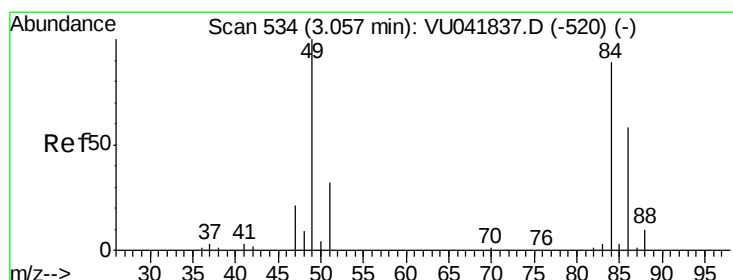
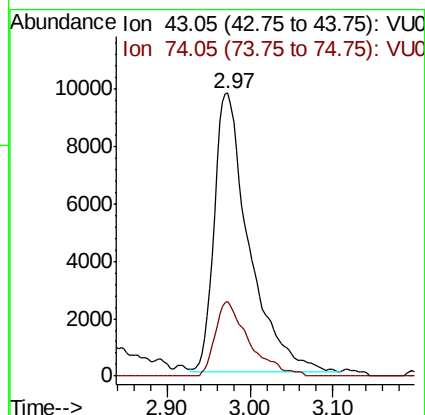
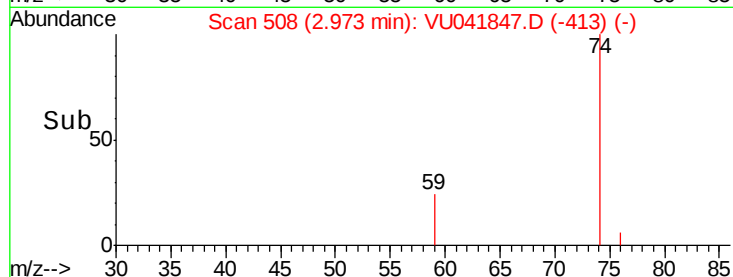
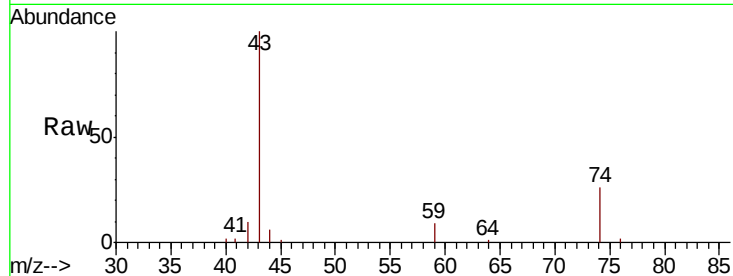




#15
Methyl Acetate
Concen: 4.724 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

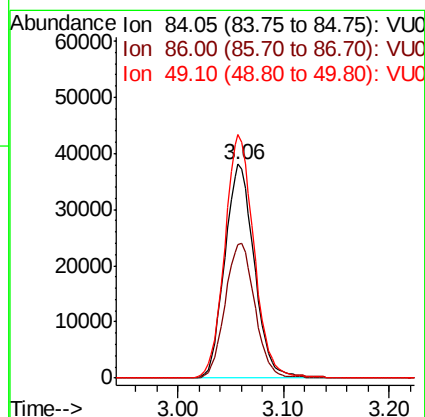
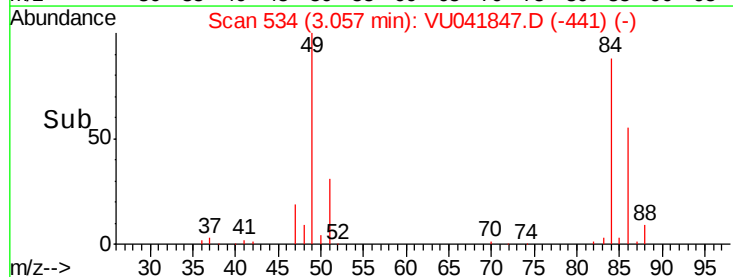
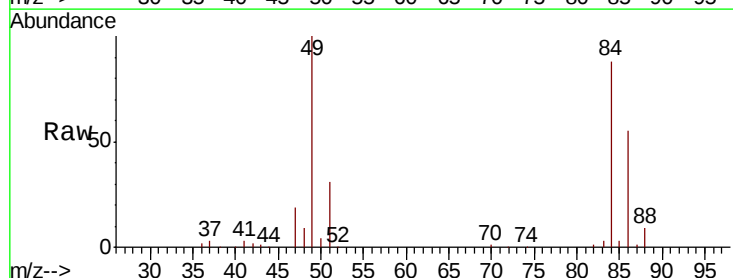
Instrument :
MSVOA_U
ClientSampled :

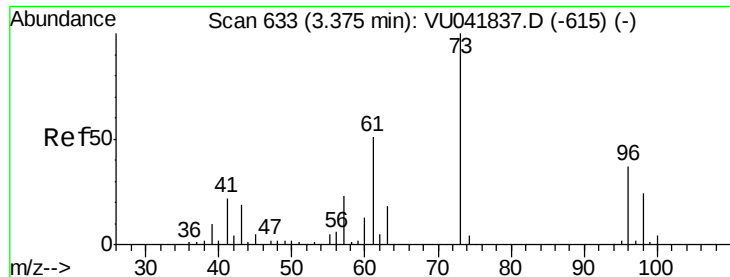
Tot Ion: 43 Resp: 28505
Ion Ratio Lower Upper
43 100
74 25.5 19.2 28.8



#16
Methylene chloride
Concen: 5.614 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Tgt Ion: 84 Resp: 73902
Ion Ratio Lower Upper
84 100
86 62.8 45.1 83.7
49 114.0 83.1 154.3

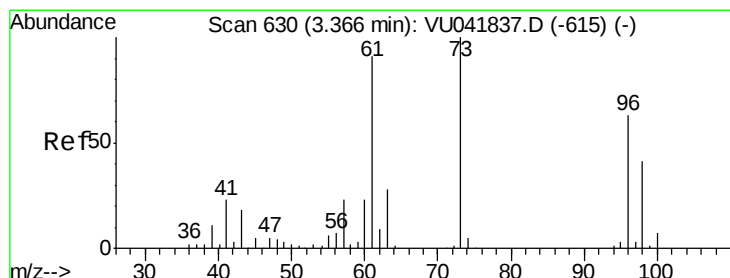
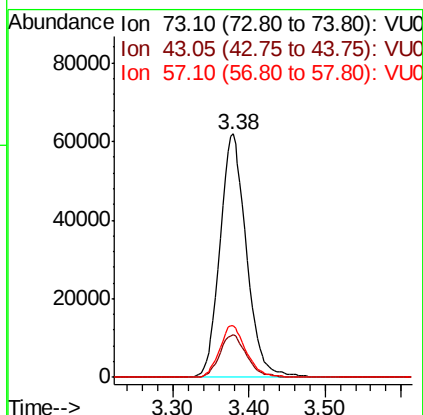
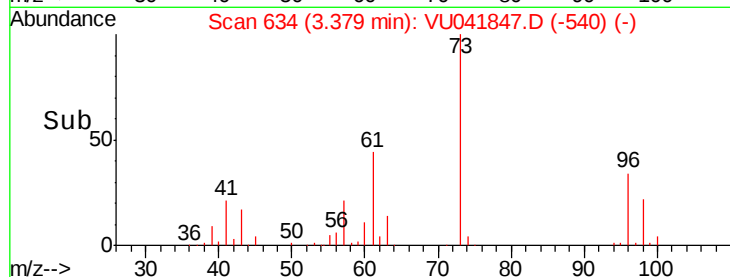
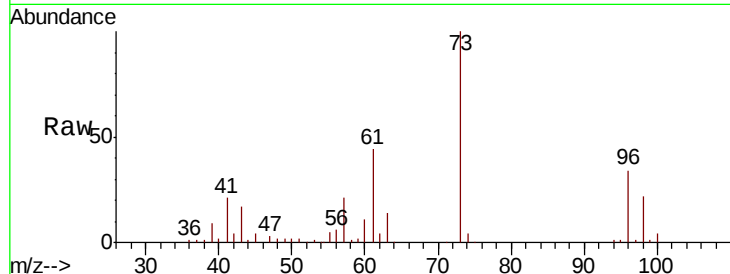




#17
Methvl tert-butvl Ether
Concen: 5.090 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

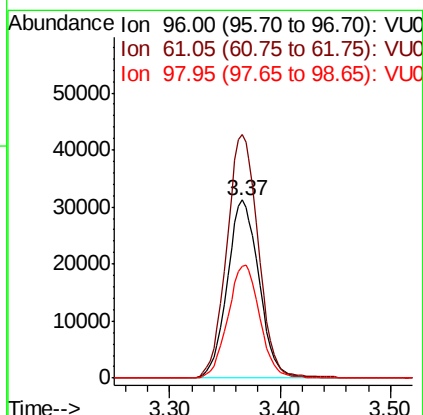
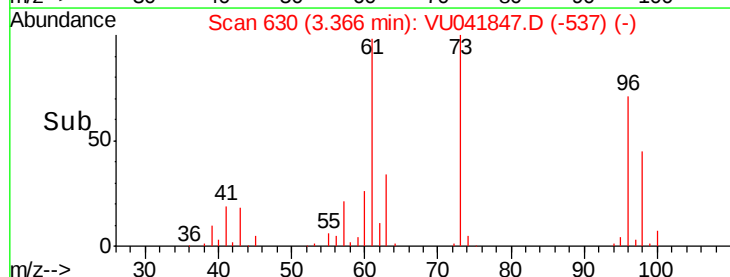
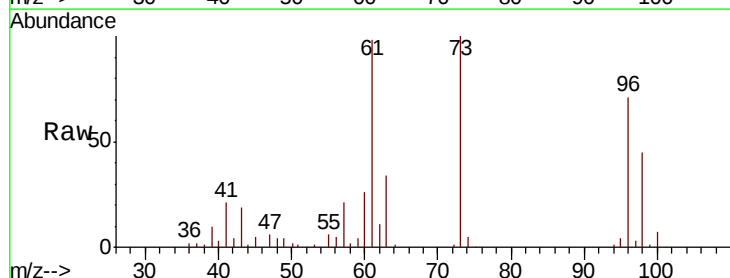
Instrument :
MSVOA_U
ClientSampleId :

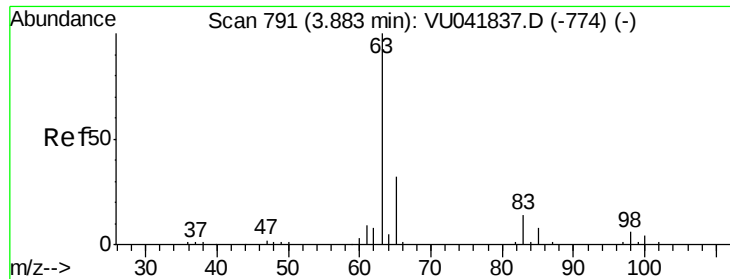
Tot Ion: 73 Resp: 149697
Ion Ratio Lower Upper
73 100
43 17.8 14.7 22.1
57 21.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 5.460 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Tgt Ion: 96 Resp: 62247
Ion Ratio Lower Upper
96 100
61 136.8 101.8 189.0
98 63.1 44.4 82.5

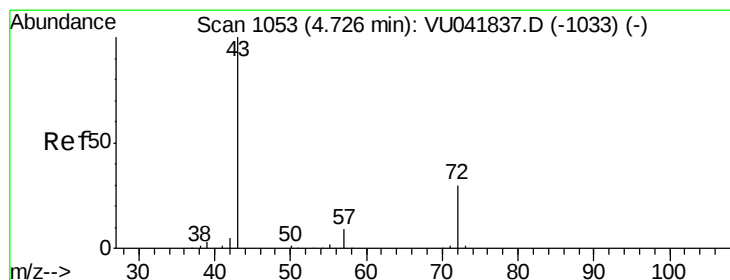
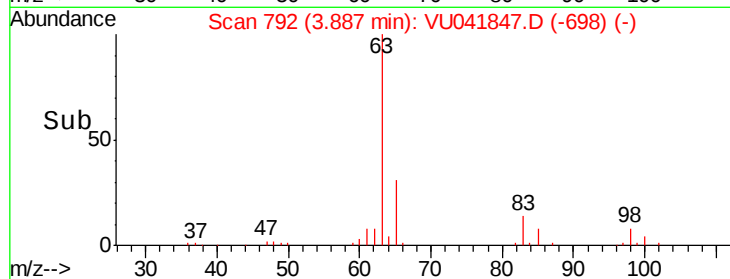
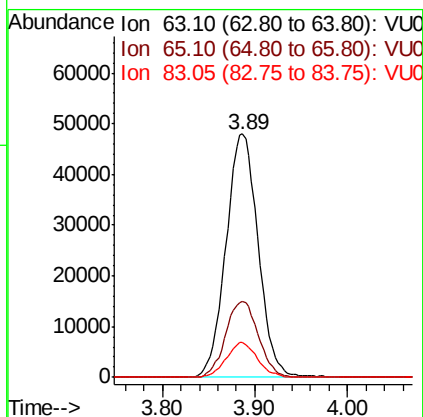
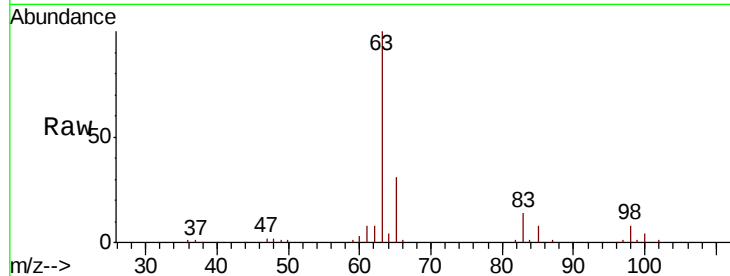




#19
 1,1-Dichloroethane
 Concen: 5.419 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

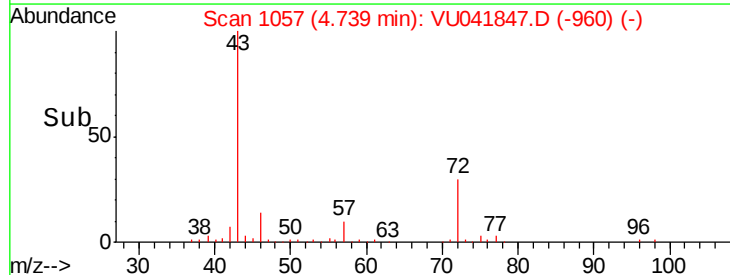
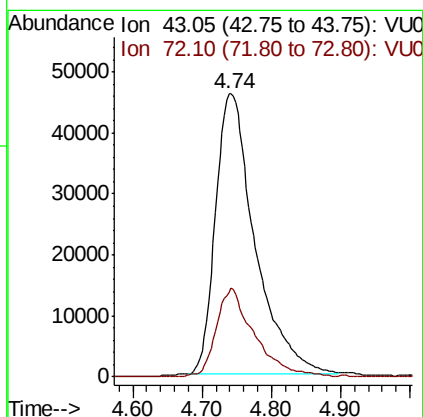
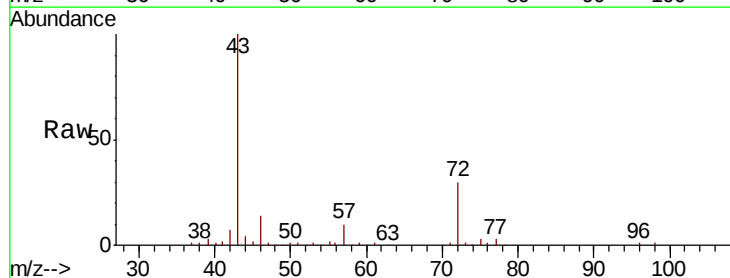
Instrument :
 MSVOA_U
 ClientSampleId :

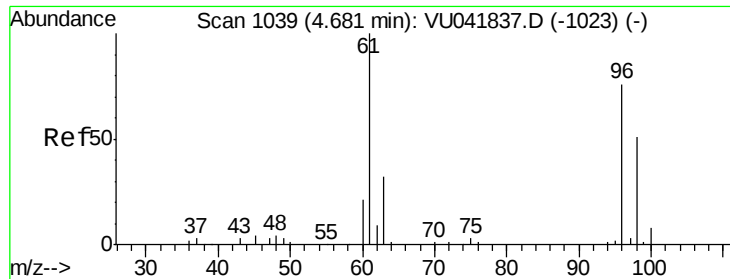
Tot Ion: 63 Resp: 115480
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.3 39.6
 83 14.5 9.3 17.3



#21
 2-Butanone
 Concen: 48.280 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Tgt Ion: 43 Resp: 182530
 Ion Ratio Lower Upper
 43 100
 72 30.6 14.6 44.0





#22

cis-1,2-Dichloroethene

Concen: 5.257 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

ClientSampleId :

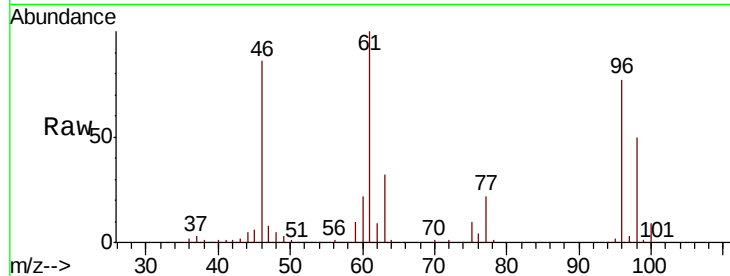
Tot Ion: 96 Resp: 66240

Ion Ratio Lower Upper

96 100

61 129.1 88.8 165.0

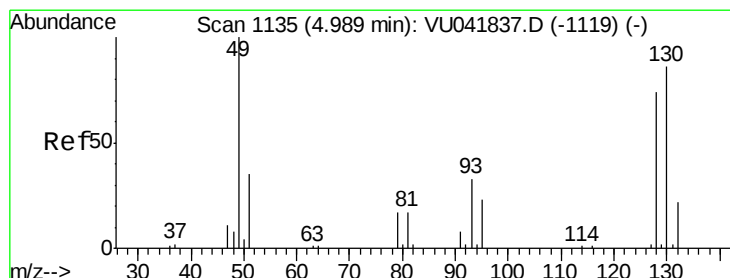
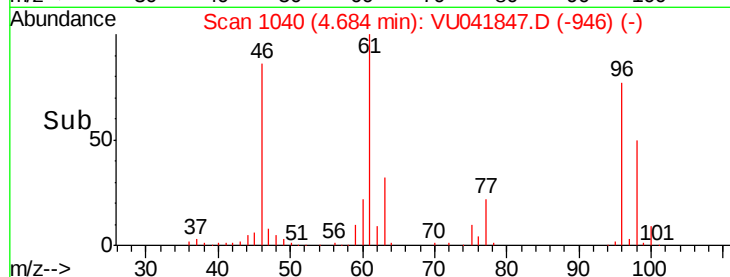
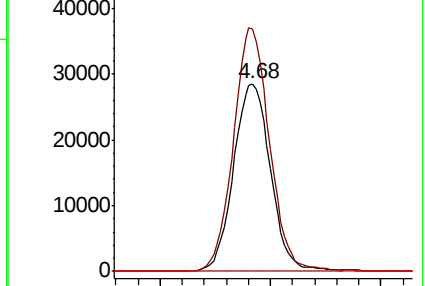
68 0.0 0.0 0.0



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: 5.713 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Tgt Ion:128 Resp: 33069

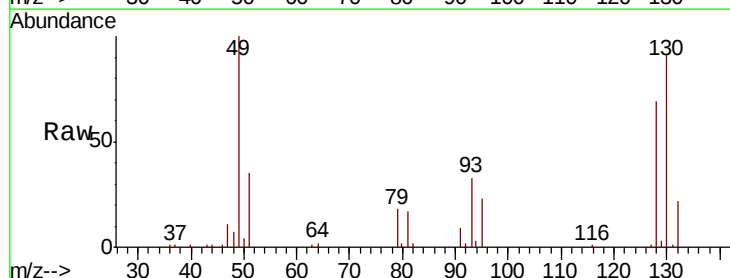
Ion Ratio Lower Upper

128 100

49 145.8 109.3 203.1

130 132.9 84.8 157.6

51 51.6 40.6 61.0

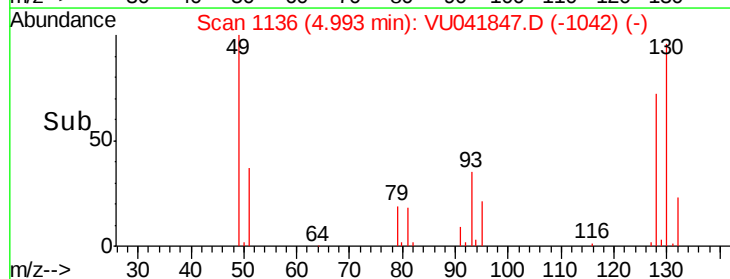
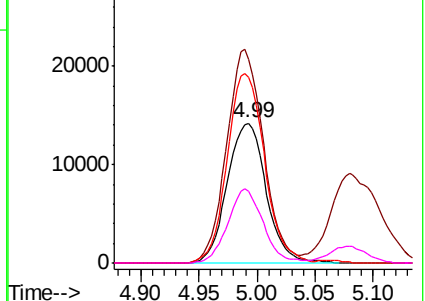


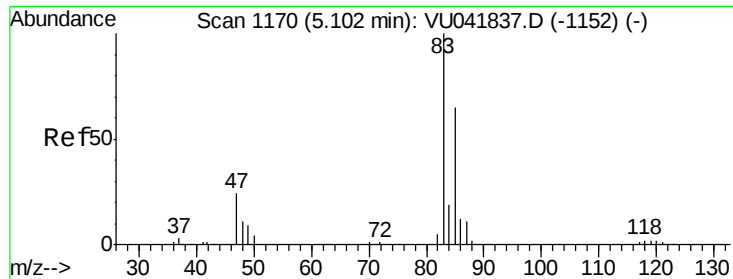
Abundance Ion 127.90 (127.60 to 128.60): V

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

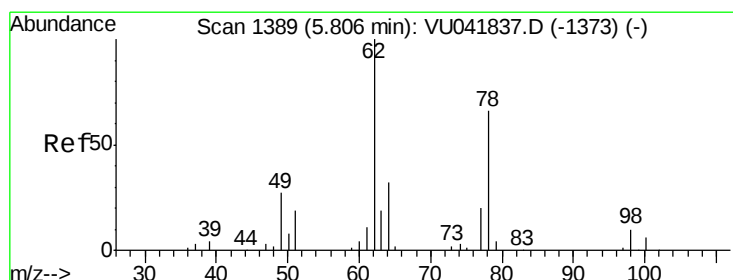
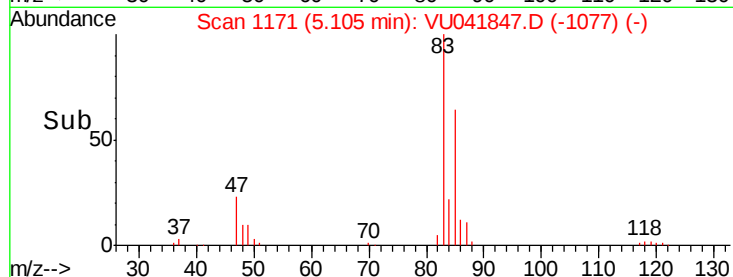
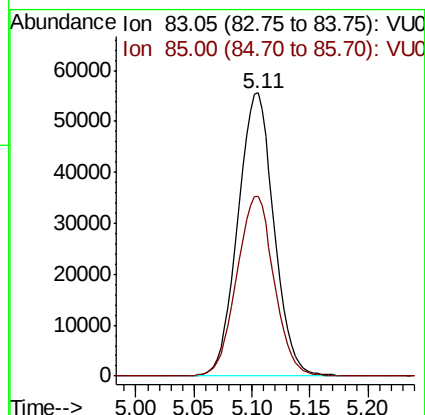
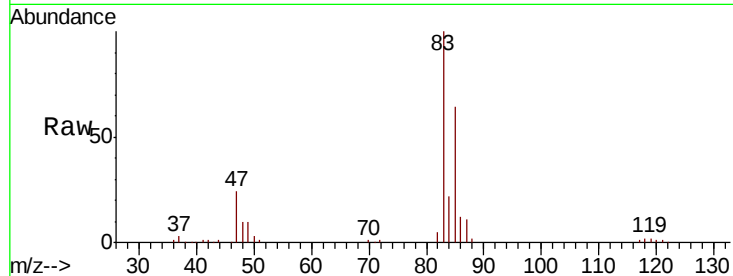




#25
Chloroform
Concen: 5.604 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

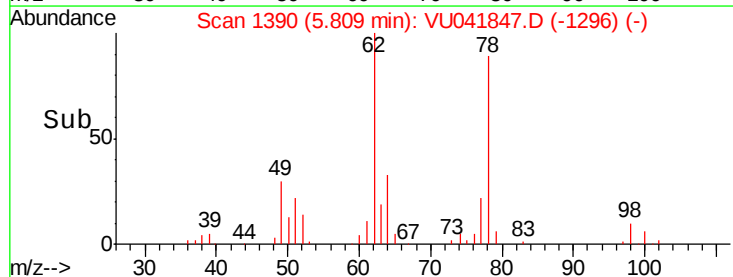
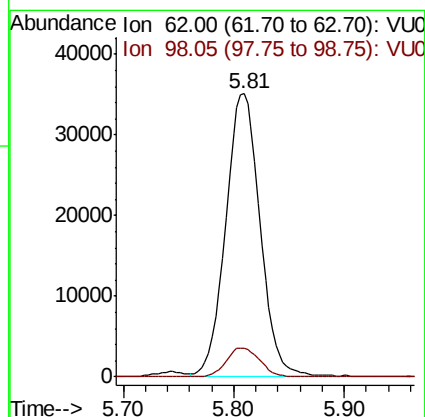
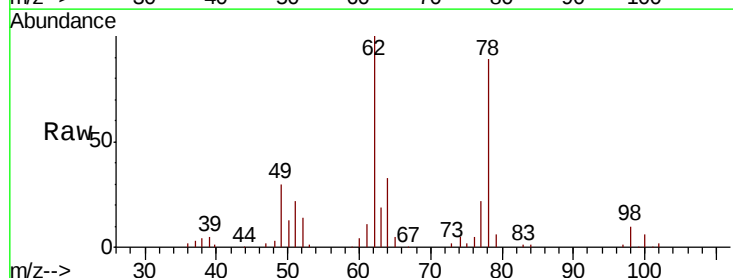
Instrument :
MSVOA_U
ClientSampleId :

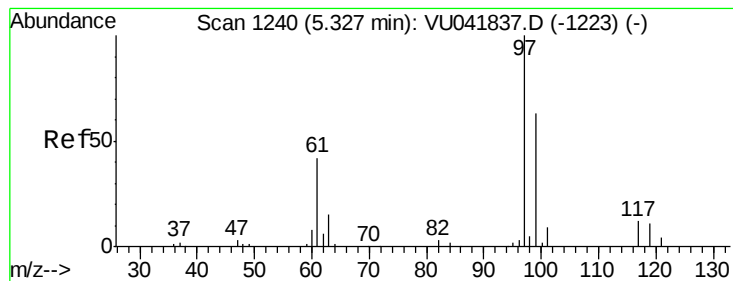
Tot Ion: 83 Resp: 120261
Ion Ratio Lower Upper
83 100
85 63.5 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.195 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Tgt Ion: 62 Resp: 75492
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.863 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

ClientSampled :

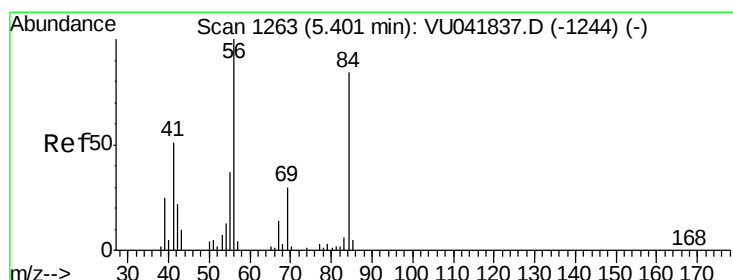
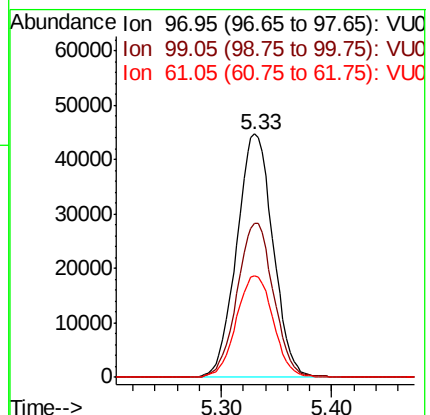
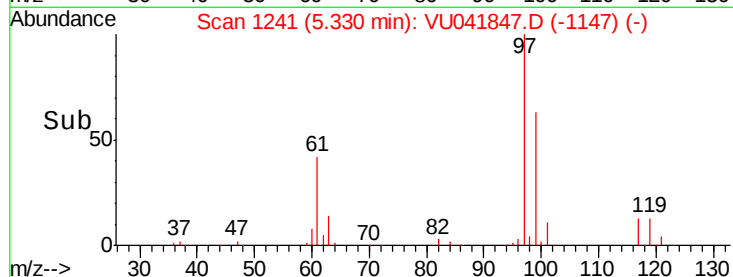
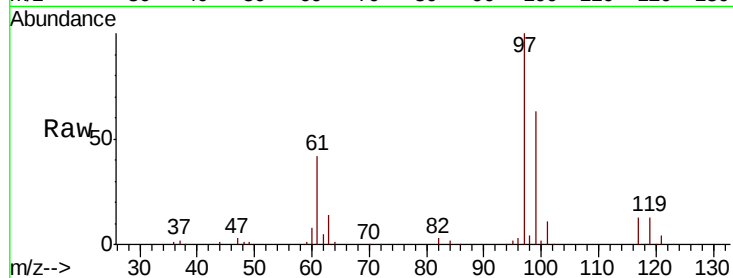
Tot Ion: 97 Resp: 102044

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

61 42.3 36.5 54.7



#30

Cyclohexane

Concen: 5.024 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

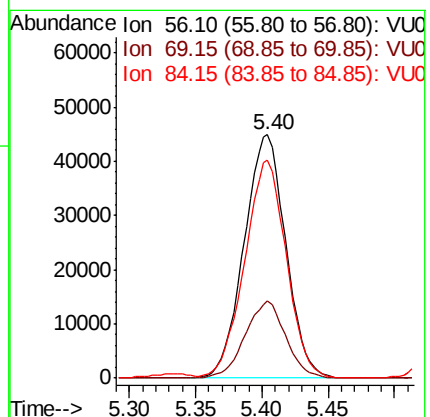
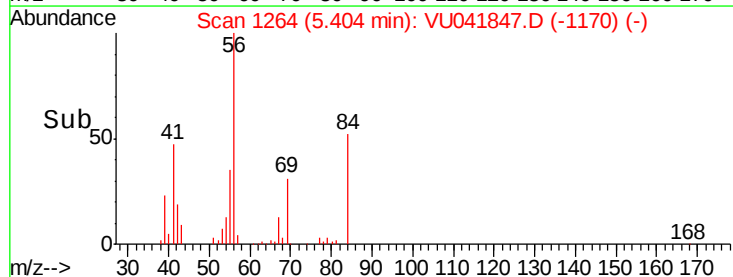
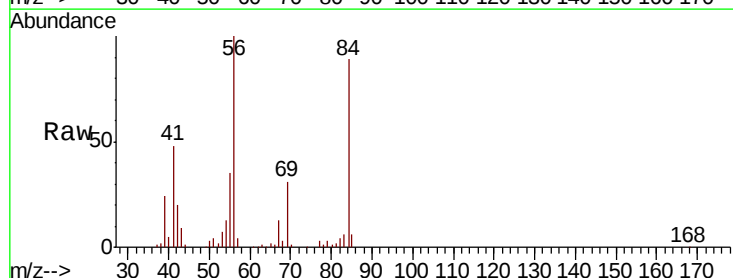
Tgt Ion: 56 Resp: 98012

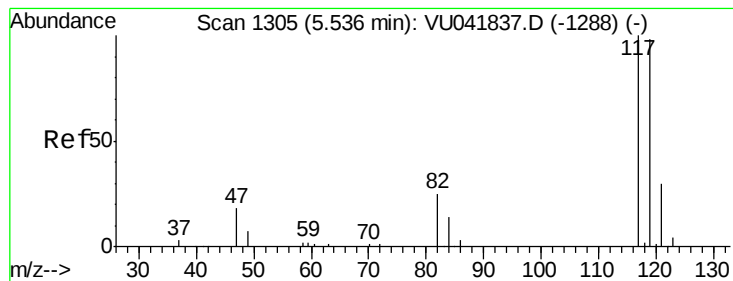
Ion Ratio Lower Upper

56 100

69 30.7 23.8 35.8

84 89.5 66.2 99.4





#31

Carbon tetrachloride

Concen: 5.957 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

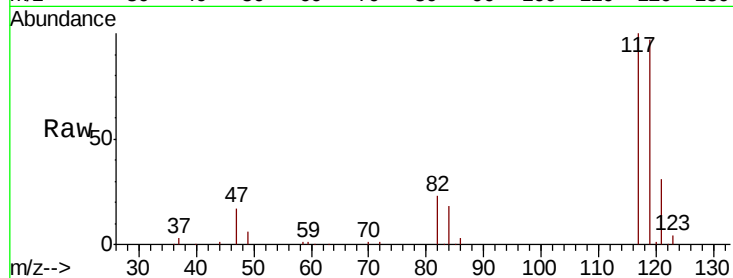
ClientSampleId :

Tot Ion:117 Resp: 89649

Ion Ratio Lower Upper

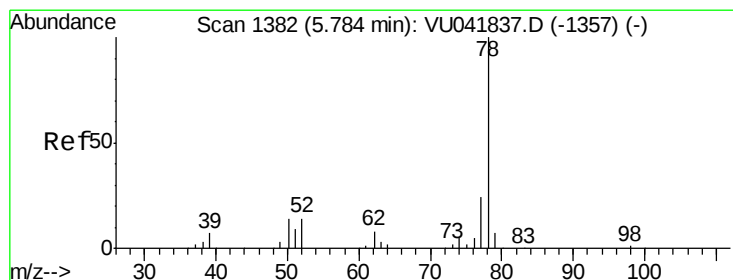
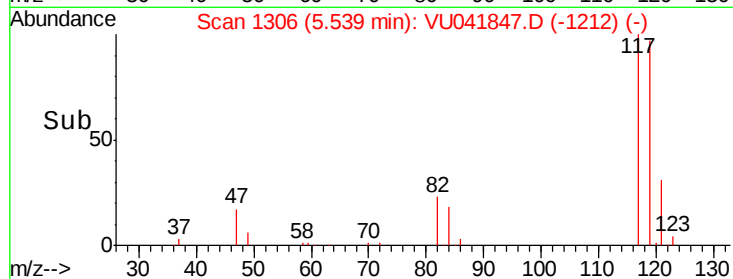
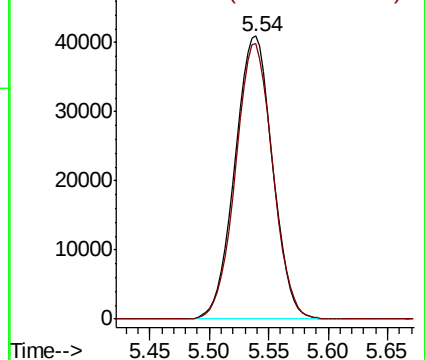
117 100

119 96.2 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: 5.455 ug/L

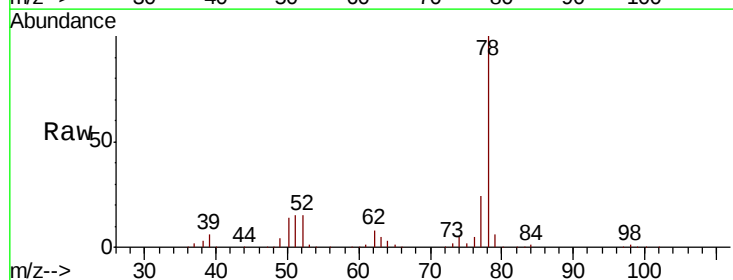
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

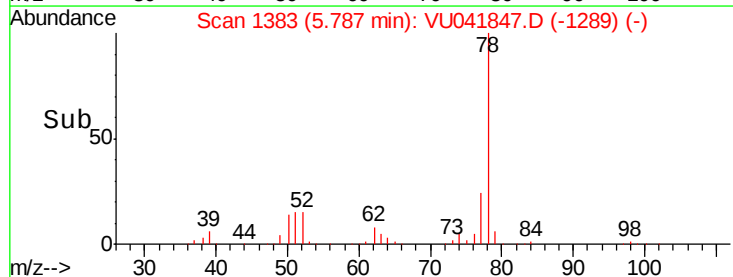
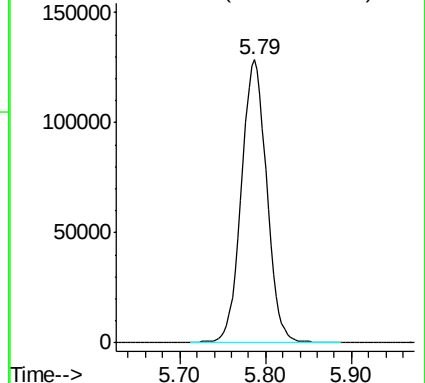
Lab File: VU041847.D

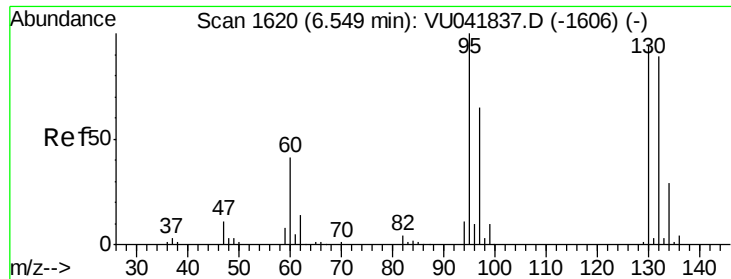
Acq: 04 Jan 2021 16:39

Tgt Ion: 78 Resp: 264383



Abundance Ion 78.10 (77.80 to 78.80): VU0

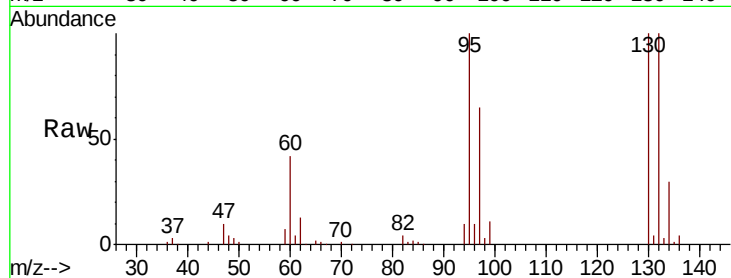




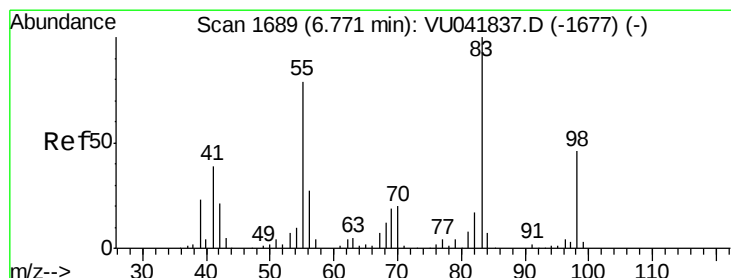
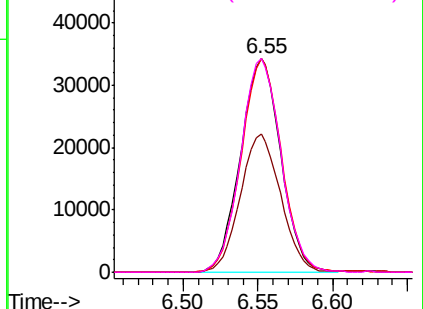
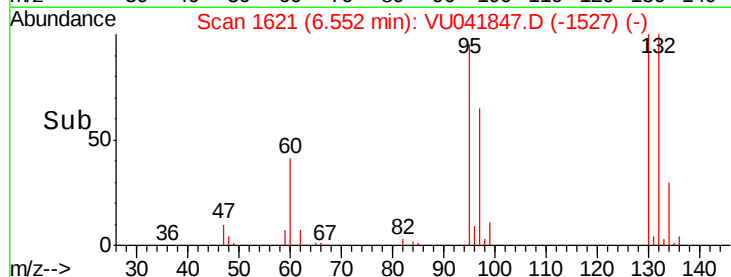
#34
 Trichloroethene
 Concen: 5.282 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 64325
 Ion Ratio Lower Upper
 95 100
 97 64.7 43.9 81.5
 132 99.9 63.1 117.3
 130 100.0 67.4 125.2

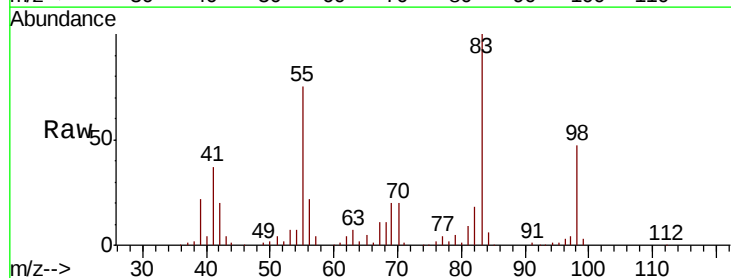


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

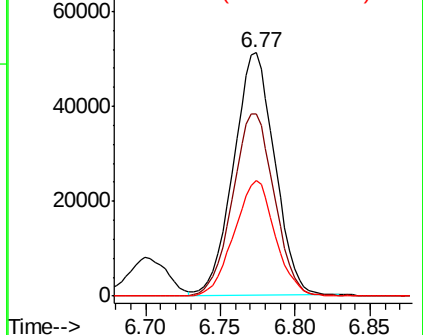
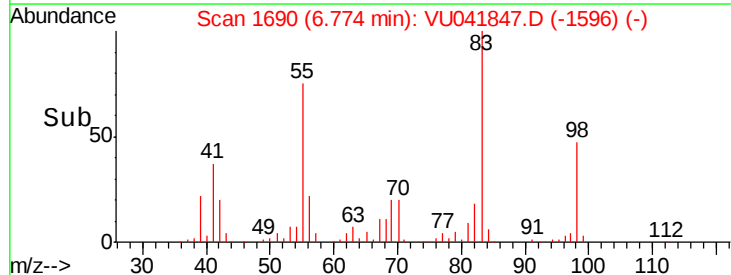


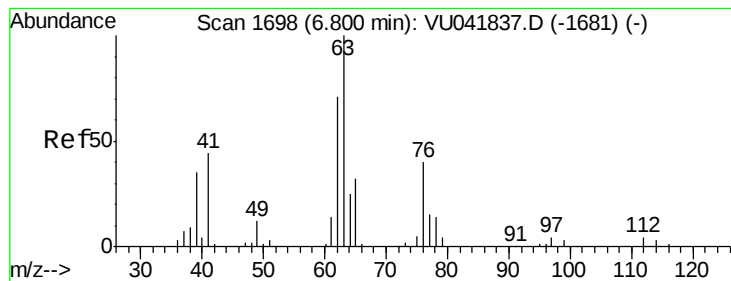
#35
 Methylcyclohexane
 Concen: 4.982 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Tgt Ion: 83 Resp: 98094
 Ion Ratio Lower Upper
 83 100
 55 76.1 61.2 91.8
 98 47.5 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: 5.026 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

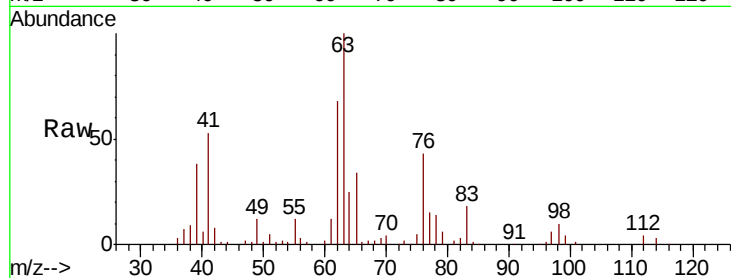
ClientSampleId :

Tot Ion: 63 Resp: 62308

Ion Ratio Lower Upper

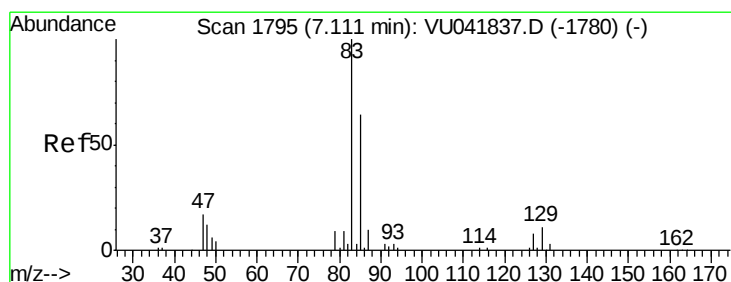
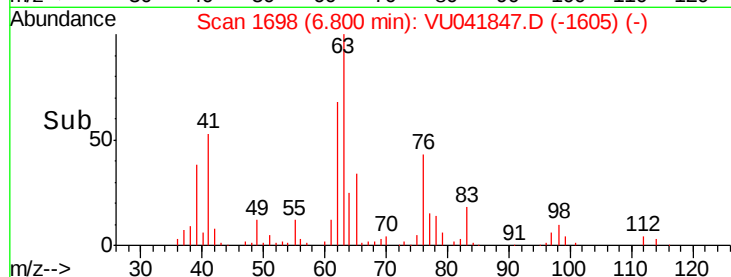
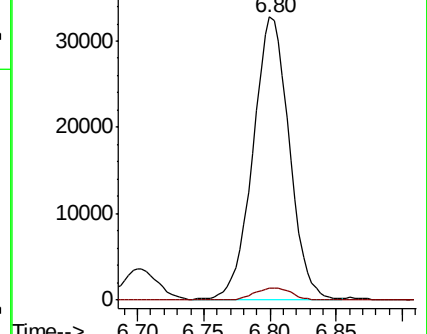
63 100

112 4.4 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: 5.204 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

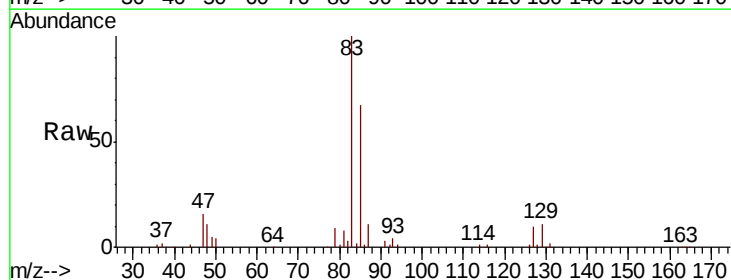
Tgt Ion: 83 Resp: 80270

Ion Ratio Lower Upper

83 100

85 67.3 45.5 84.5

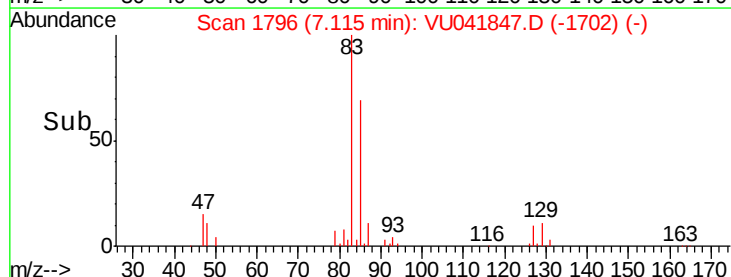
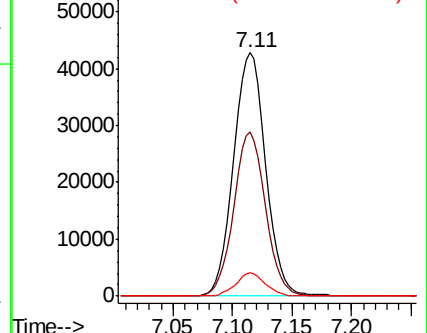
127 9.7 7.0 10.6

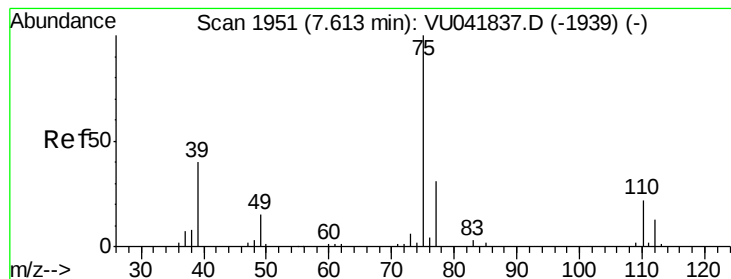


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



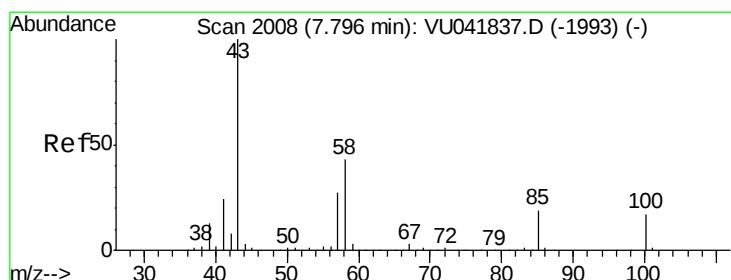
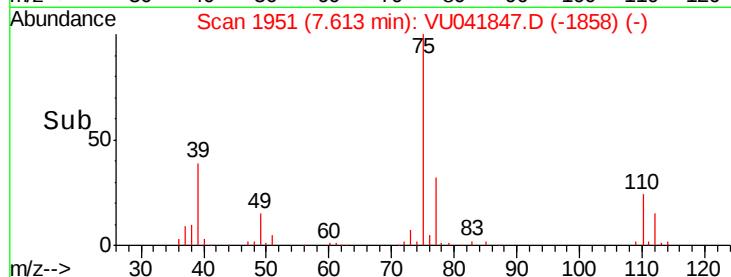
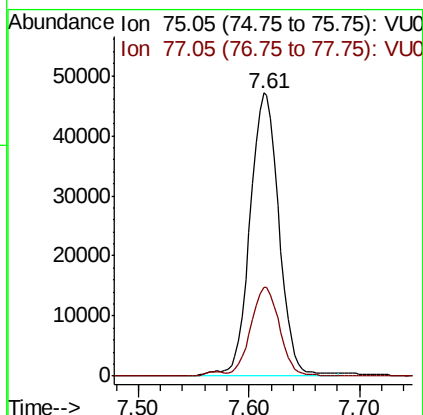
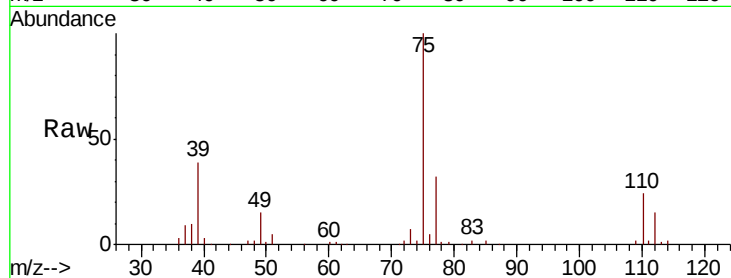


#39

cis-1,3-Dichloropropene
 Concen: 4.683 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Instrument :
 MSVOA_U
 ClientSampleId :

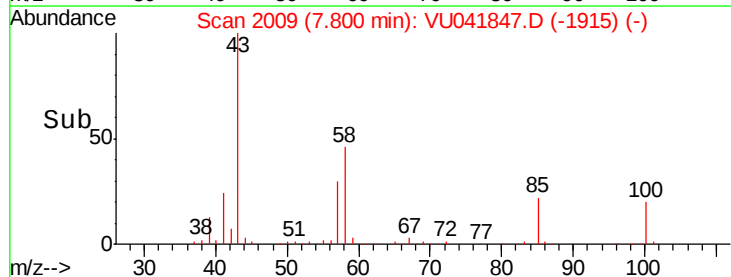
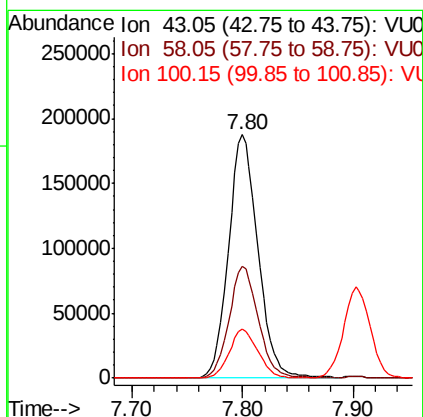
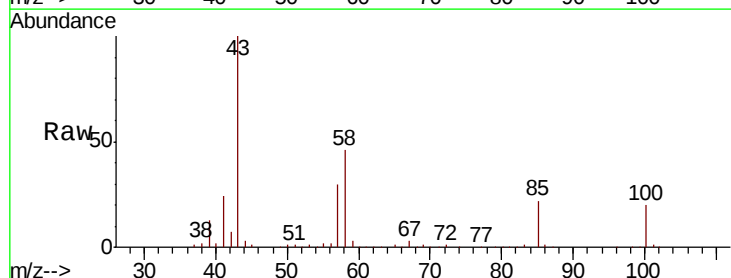
Tot Ion: 75 Resp: 86029
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3

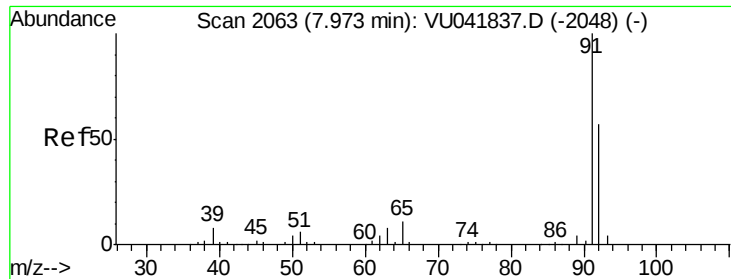


#40

4-Methyl-2-pentanone
 Concen: 39.357 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Tgt Ion: 43 Resp: 347191
 Ion Ratio Lower Upper
 43 100
 58 45.3 34.2 51.2
 100 19.5 12.3 18.5#





#42

Toluene

Concen: 5.132 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

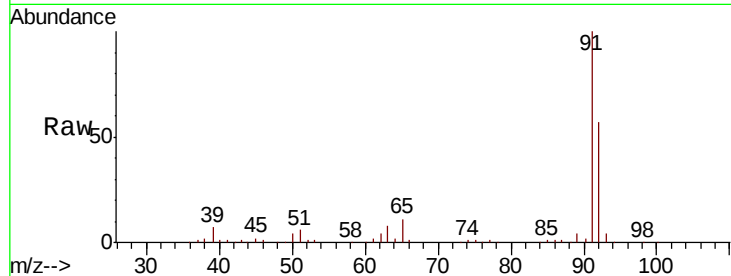
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 256800

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041837.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041837.D (-2048) (-)

7.97

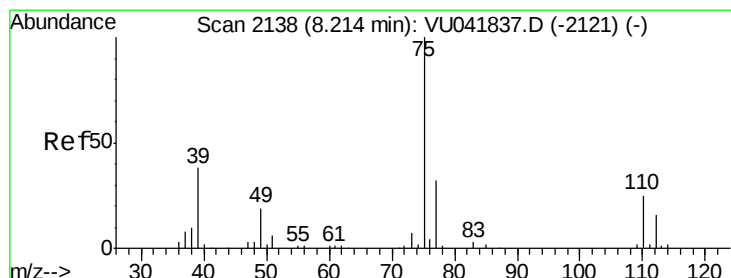
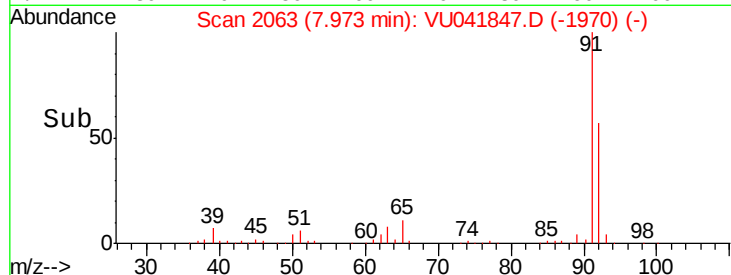
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.812 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041847.D

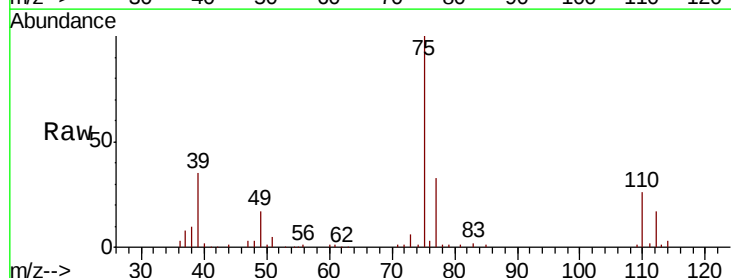
Acq: 04 Jan 2021 16:39

Tgt Ion: 75 Resp: 79057

Ion Ratio Lower Upper

75 100

77 32.6 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041837.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041837.D (-2121) (-)

8.22

50000

40000

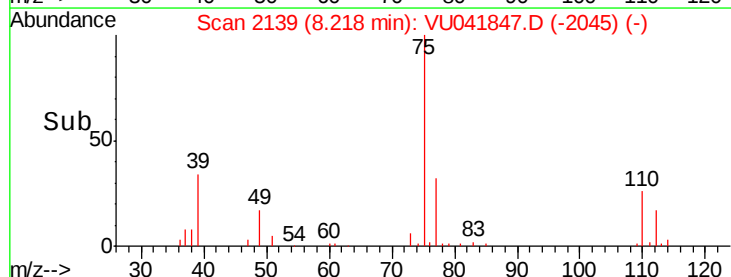
30000

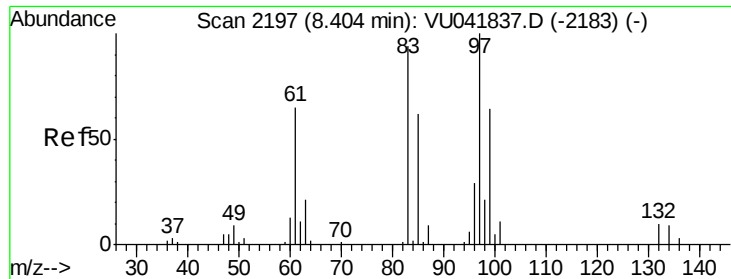
20000

10000

0

Time-->

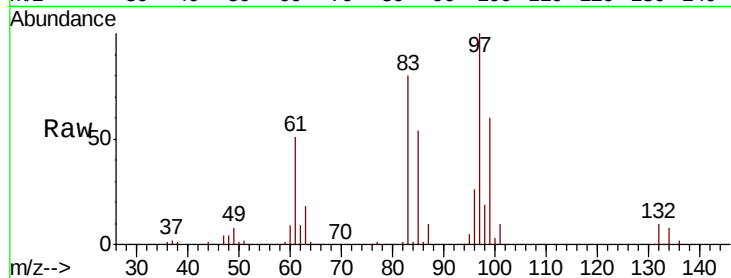




#45
1,1,2-Trichloroethane
Concen: 5.296 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	48560
Ion	Ratio	Lower	Upper
97	100		
99	59.9	42.1	78.3
83	80.2	62.6	116.2
85	54.3	39.1	72.7



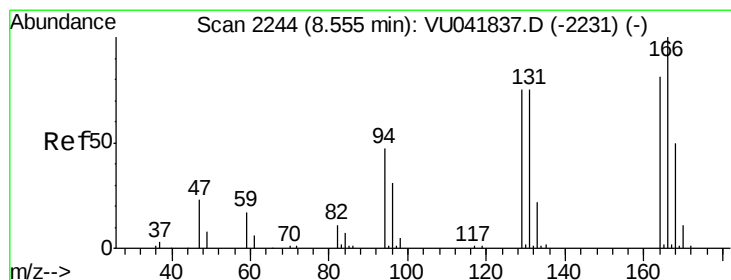
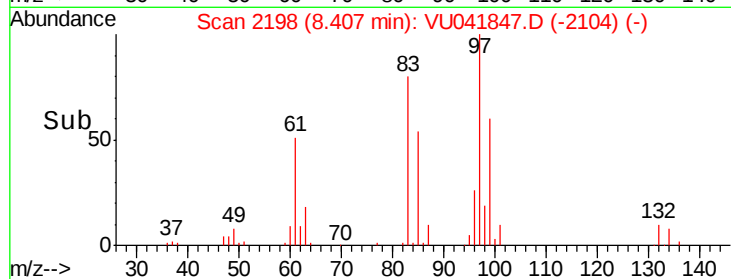
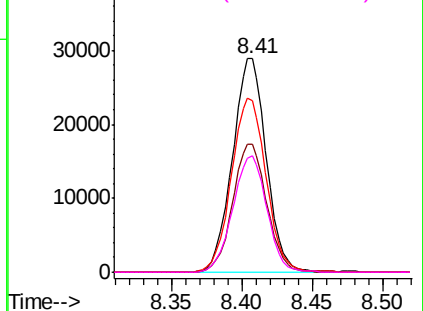
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

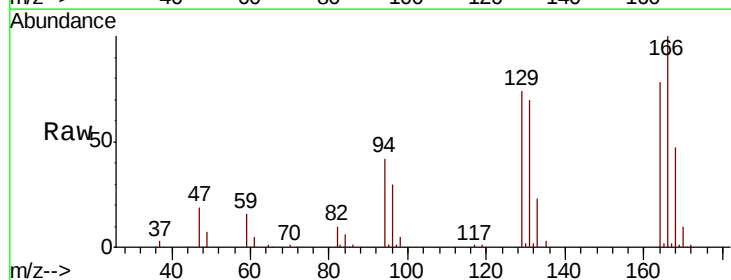
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 5.845 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Tgt Ion:	164	Resp:	49838
Ion	Ratio	Lower	Upper
164	100		
129	94.2	72.2	134.0
131	89.8	66.9	124.3
166	127.6	89.6	166.4



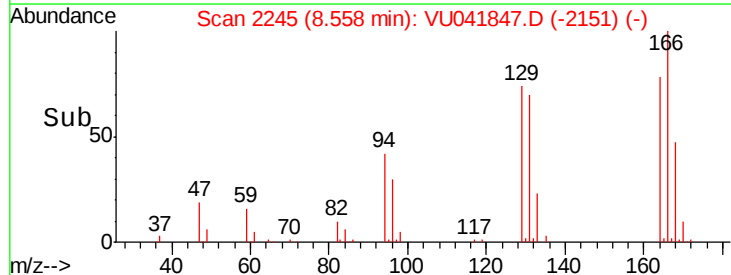
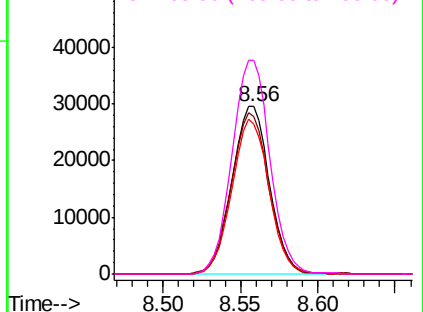
Abundance

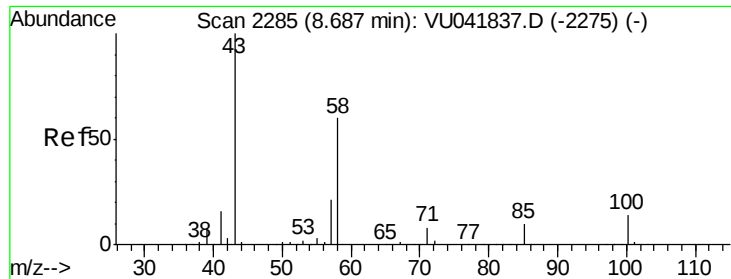
Ion 163.90 (163.60 to 164.60): V

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

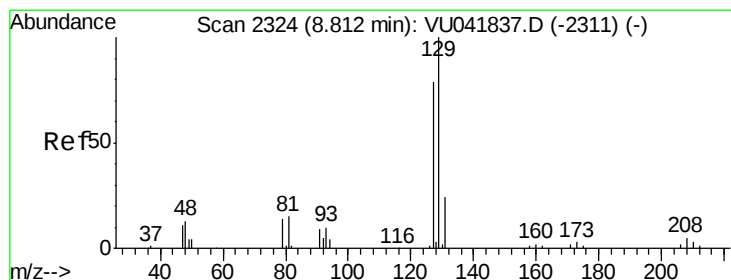
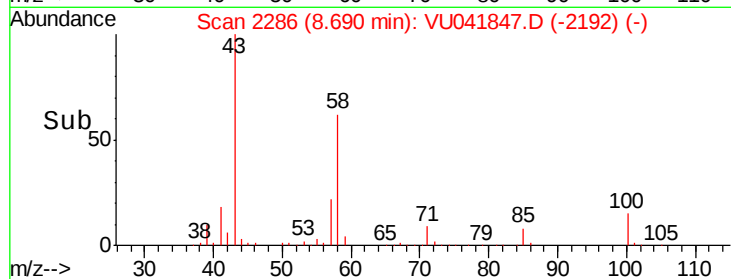
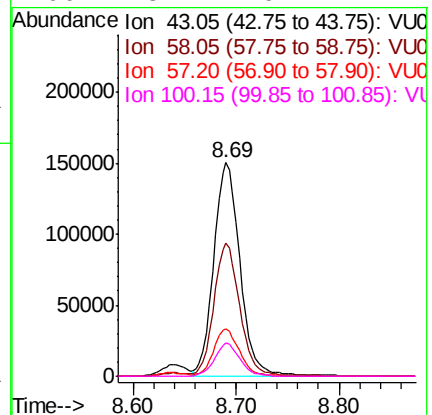
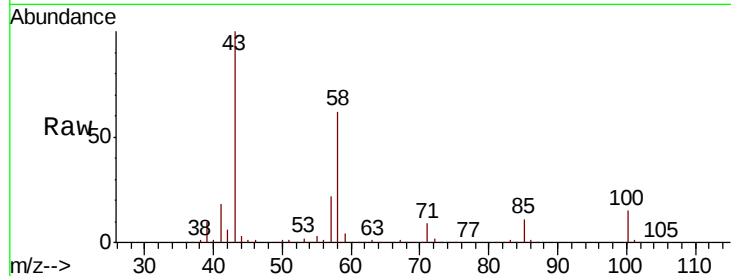




#48
2-Hexanone
Concen: 41.123 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

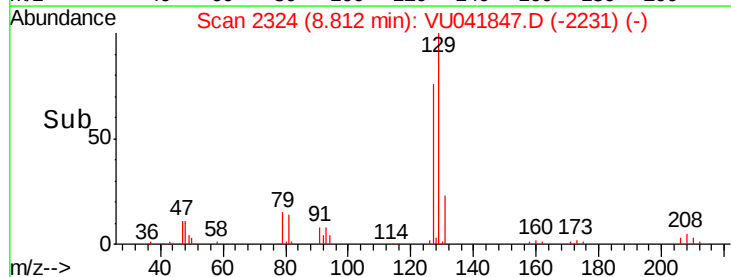
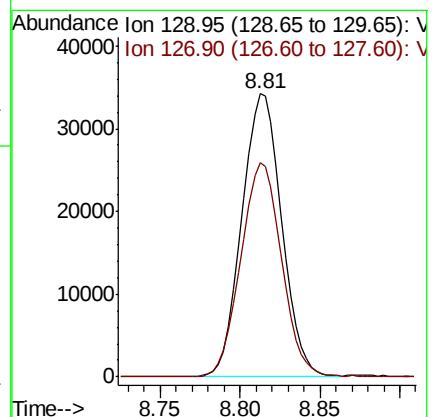
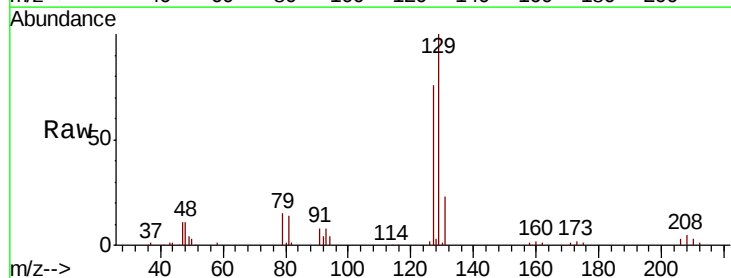
Instrument :
MSVOA_U
ClientSampleId :

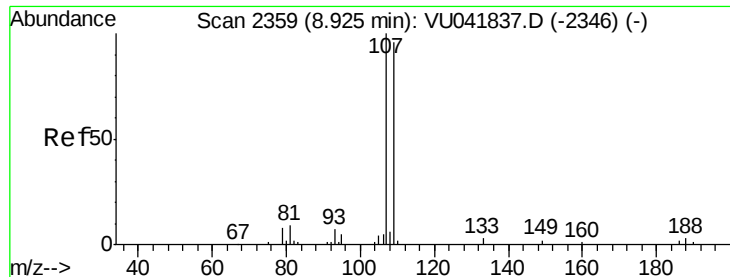
Tot Ion: 43 Resp: 264010
Ion Ratio Lower Upper
43 100
58 61.3 47.9 71.9
57 21.9 16.5 24.7
100 15.1 9.4 14.2#



#49
Dibromochloromethane
Concen: 5.527 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Tgt Ion: 129 Resp: 58207
Ion Ratio Lower Upper
129 100
127 75.8 54.7 101.7

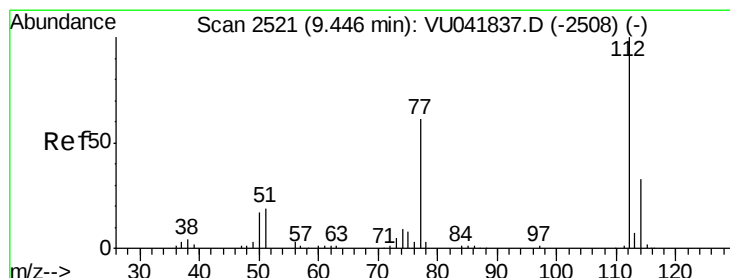
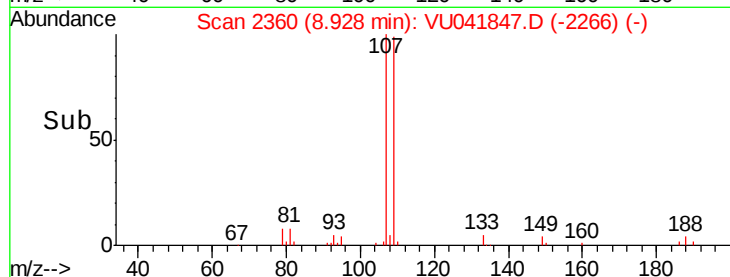
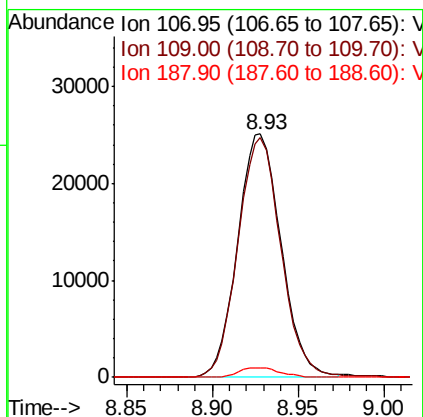
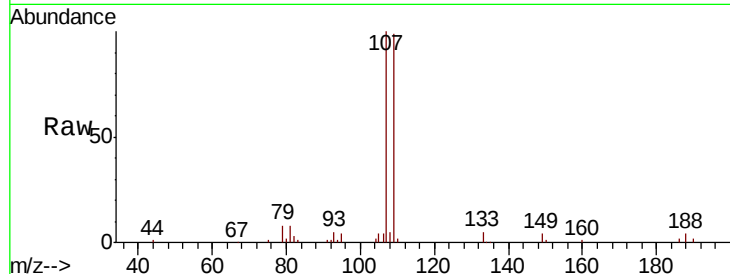




#50
 1,2-Dibromoethane
 Concen: 4.843 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

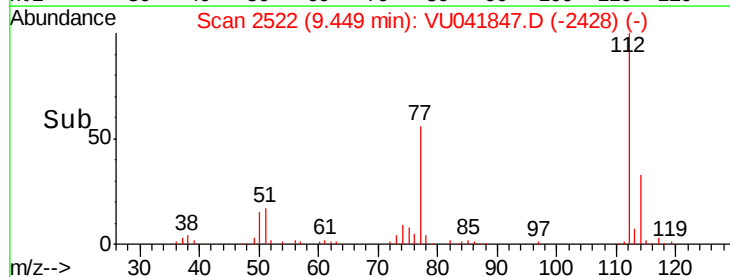
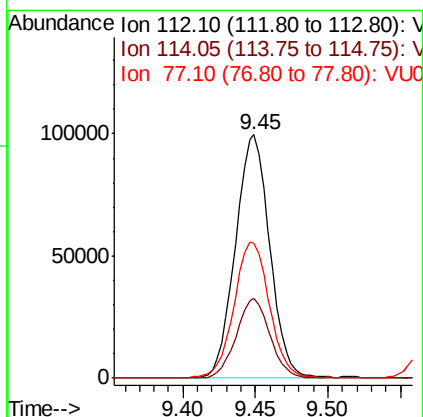
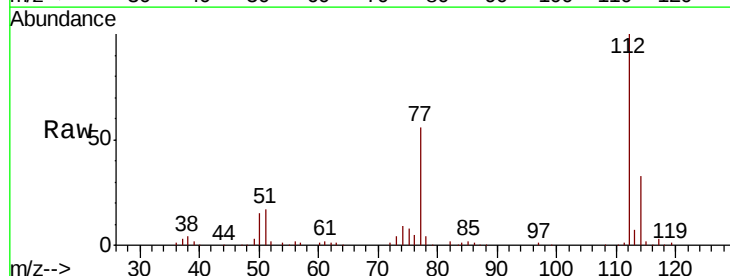
Instrument :
 MSVOA_U
 ClientSampleId :

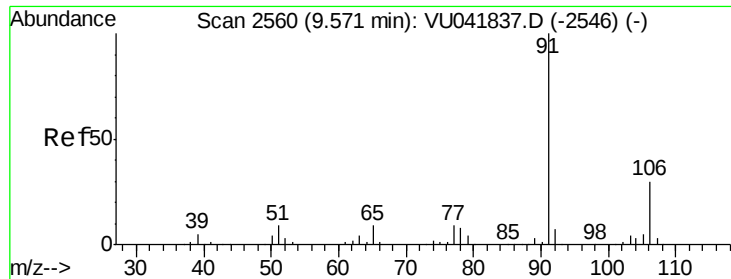
Tot Ion:107 Resp: 43923
 Ion Ratio Lower Upper
 107 100
 109 98.7 65.6 121.8
 188 3.8 2.6 4.0



#51
 Chlorobenzene
 Concen: 5.268 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Tgt Ion:112 Resp: 163871
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.7 42.3
 77 55.6 49.1 73.7





#52

Ethylbenzene

Concen: 5.019 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

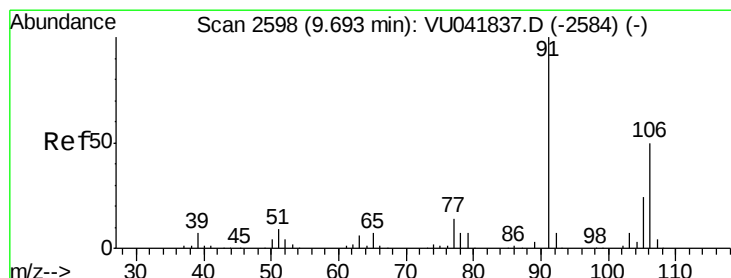
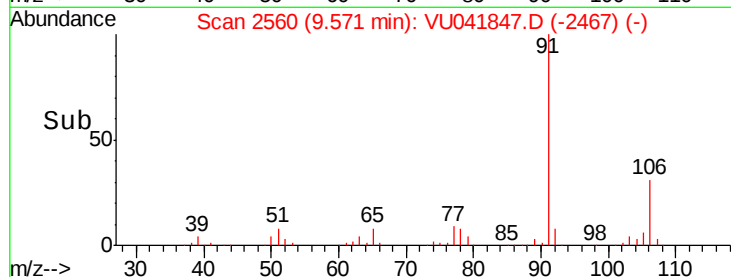
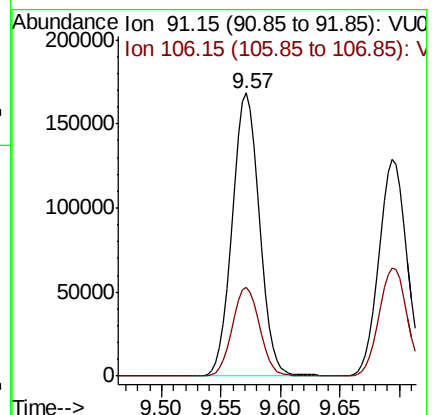
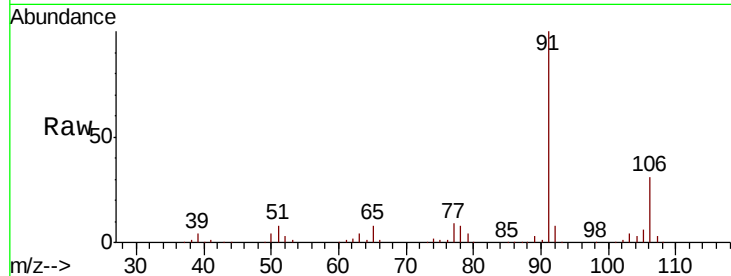
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 267452

Ion Ratio Lower Upper

91 100

106 31.4 21.1 39.3



#53

m,p-Xylene

Concen: 5.342 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041847.D

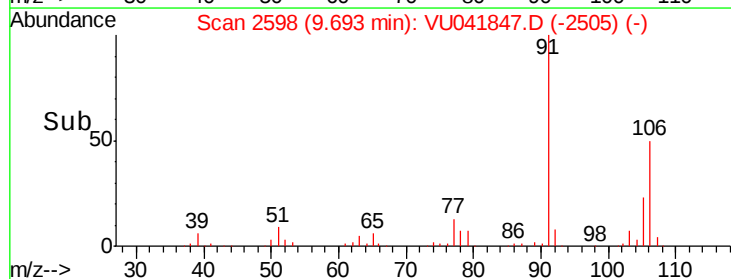
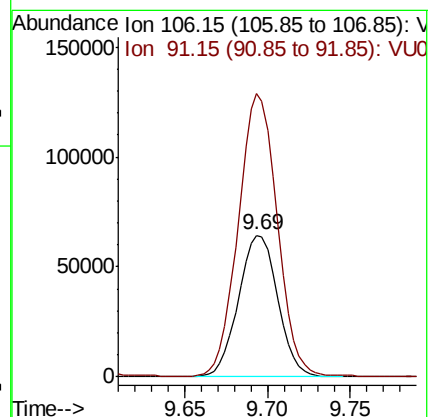
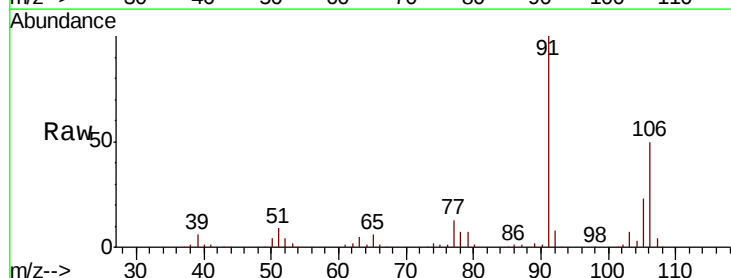
Acq: 04 Jan 2021 16:39

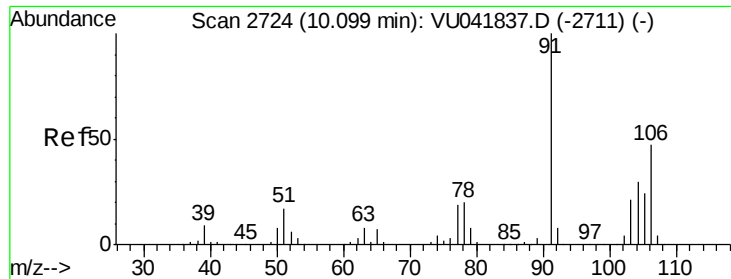
Tgt Ion: 106 Resp: 106160

Ion Ratio Lower Upper

106 100

91 199.9 140.4 260.8

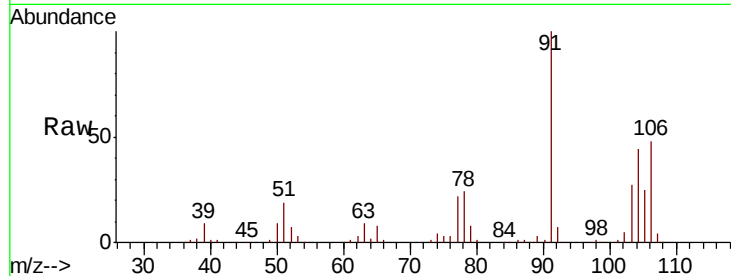




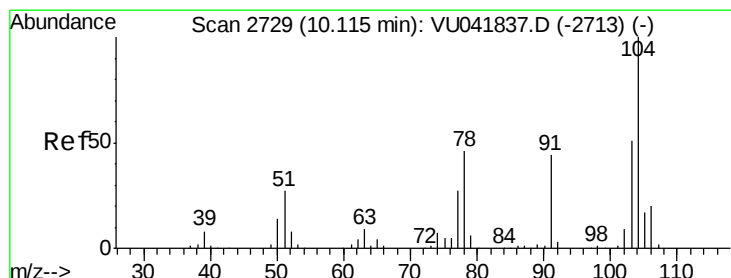
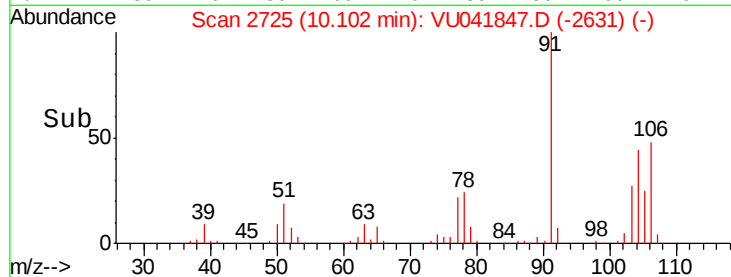
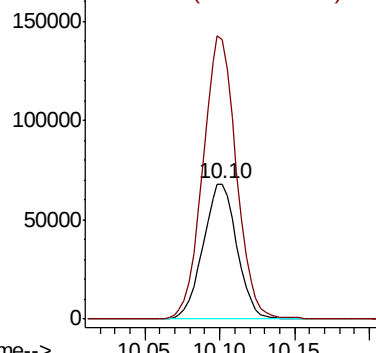
#54
o-Xylene
Concen: 5.506 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 107176
Ion Ratio Lower Upper
106 100
91 206.7 151.3 281.1

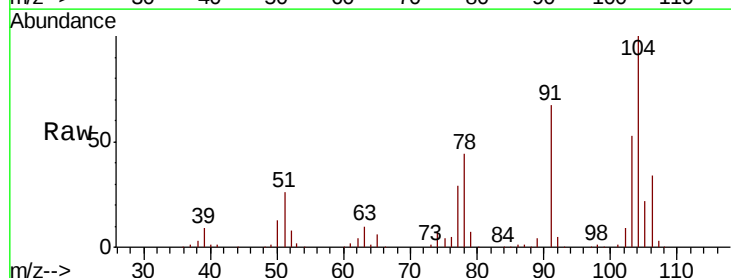


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

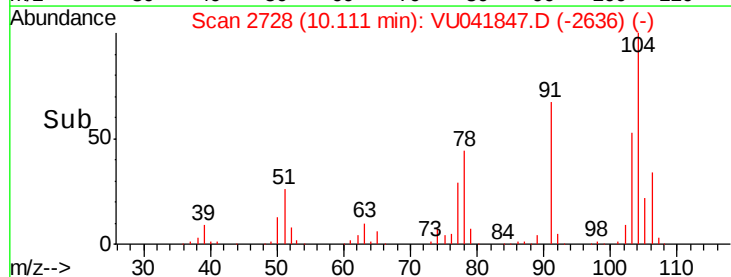
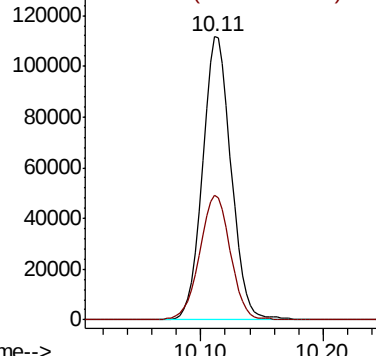


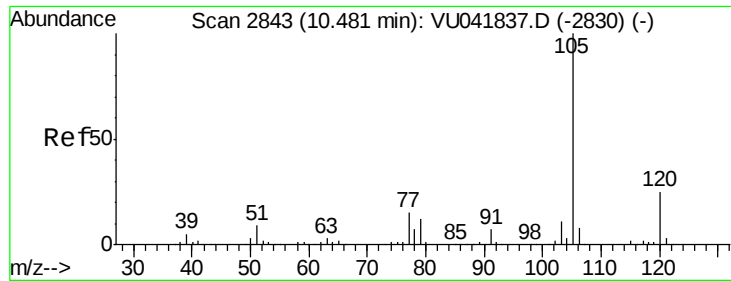
#55
Styrene
Concen: 5.404 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041847.D
Acq: 04 Jan 2021 16:39

Tgt Ion:104 Resp: 181716
Ion Ratio Lower Upper
104 100
78 44.2 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: 5.179 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

ClientSampleId :

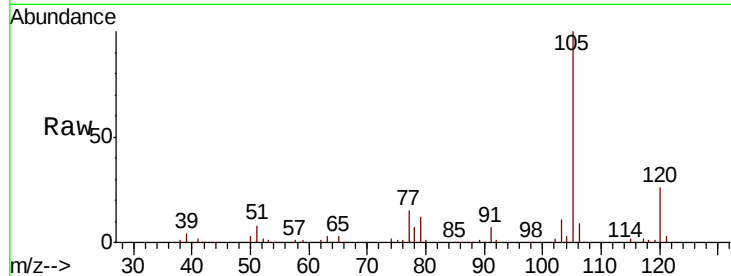
Tot Ion:105 Resp: 268309

Ion Ratio Lower Upper

105 100

120 26.3 20.5 30.7

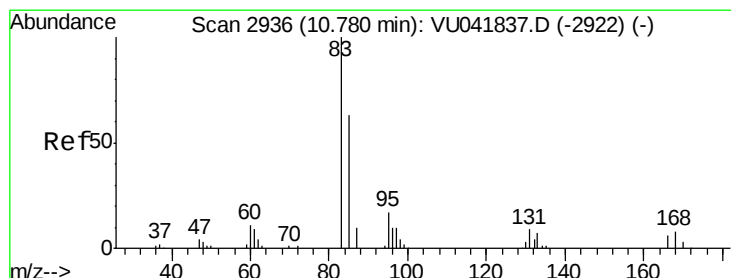
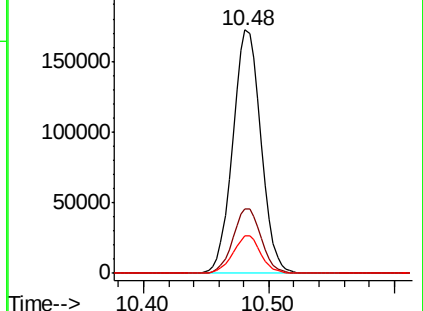
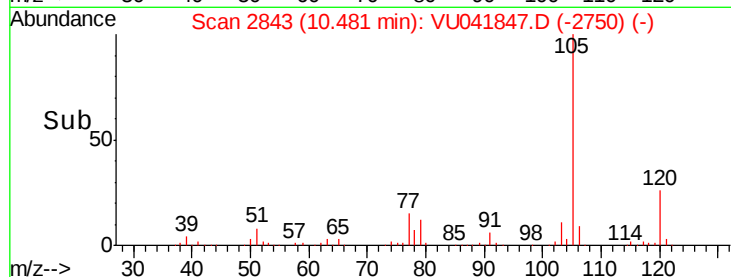
77 15.2 12.7 19.1



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: 4.764 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

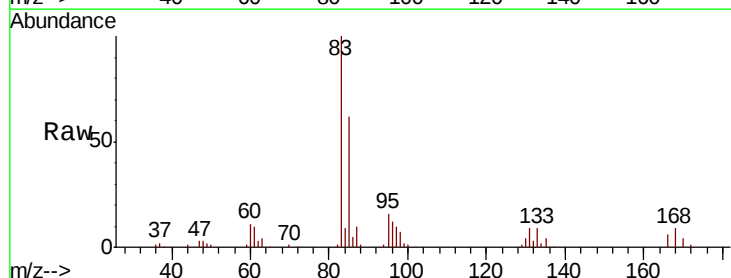
Tgt Ion: 83 Resp: 60776

Ion Ratio Lower Upper

83 100

85 61.6 46.1 85.7

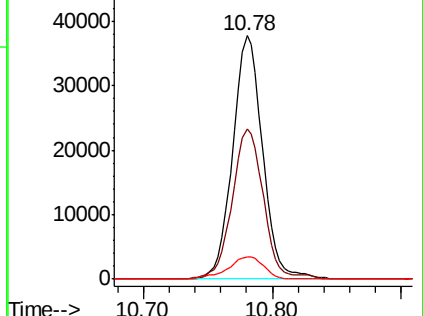
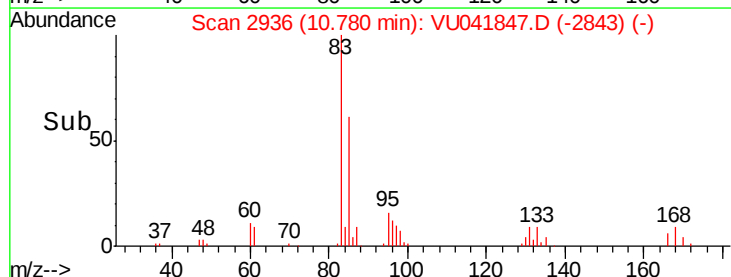
131 9.3 7.8 11.6

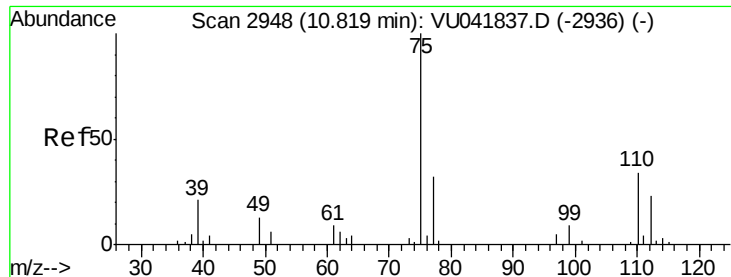


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

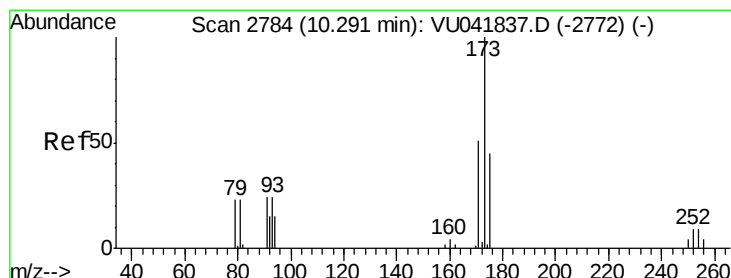
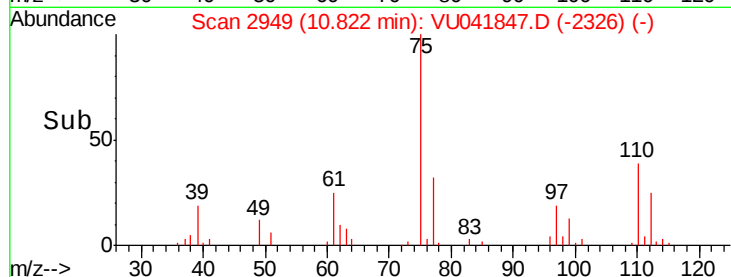
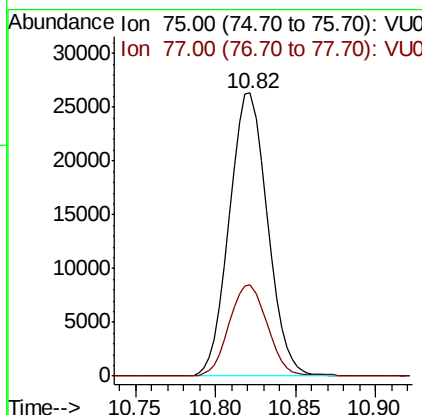
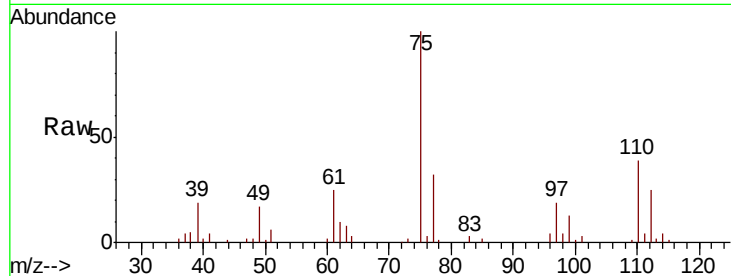




#59
 1,2,3-Trichloropropane
 Concen: 4.599 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

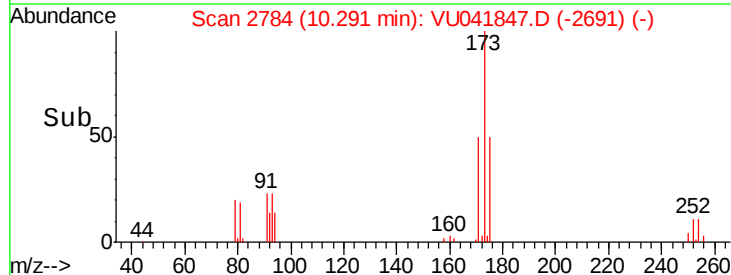
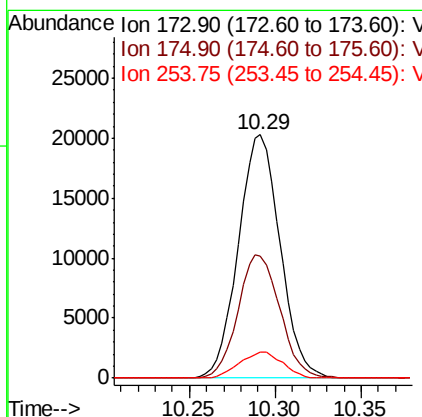
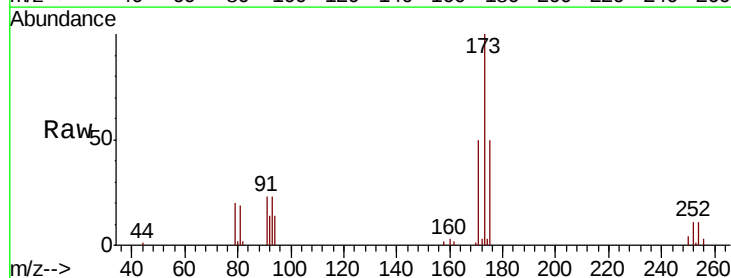
Instrument :
 MSVOA_U
 ClientSampleId :

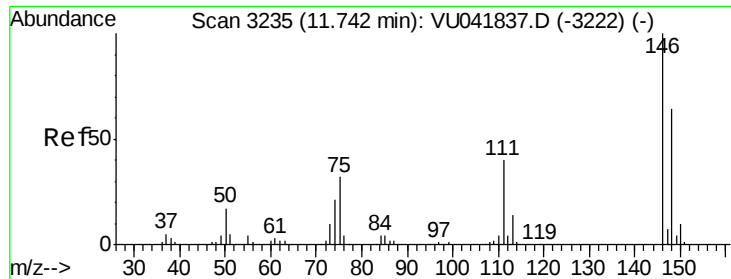
Tot Ion: 75 Resp: 42817
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.2



#61
 Bromoform
 Concen: 5.409 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Tgt Ion: 173 Resp: 34078
 Ion Ratio Lower Upper
 173 100
 175 50.9 37.3 55.9
 254 11.0 7.4 11.2

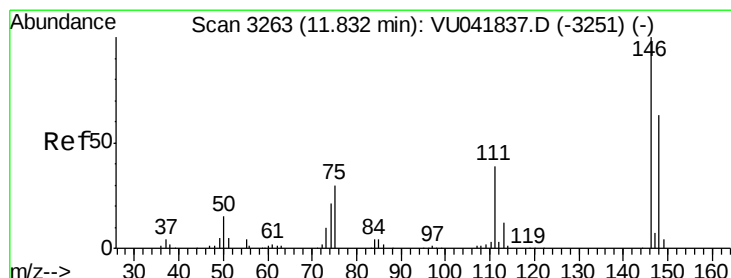
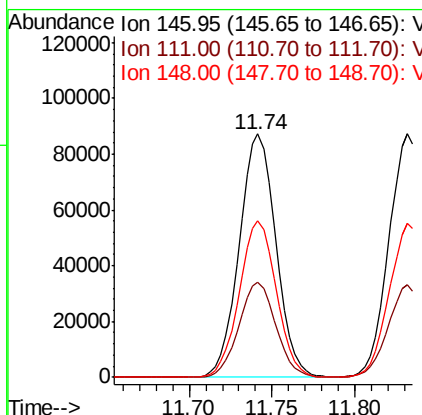
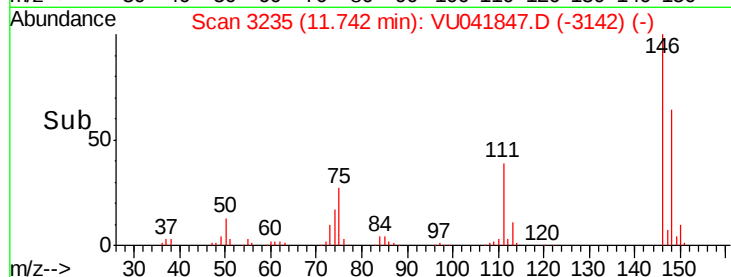
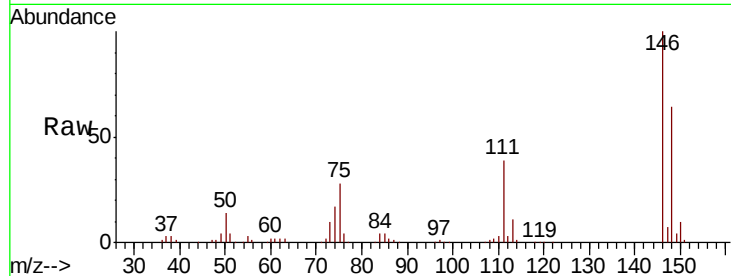




#62
 1,3-Dichlorobenzene
 Concen: 5.277 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

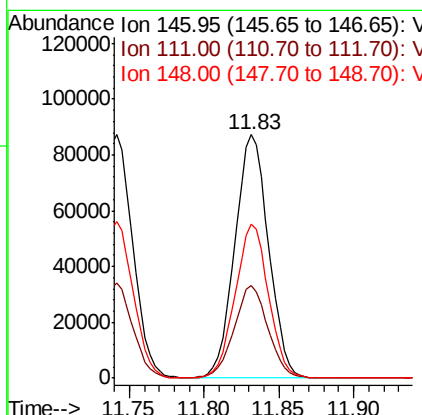
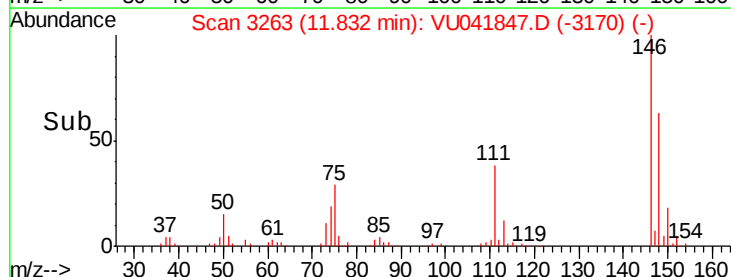
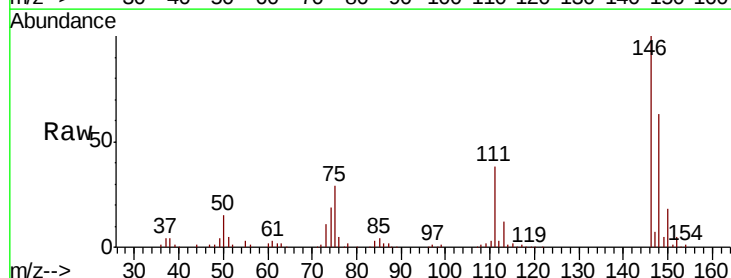
Instrument :
 MSVOA_U
 ClientSampled :

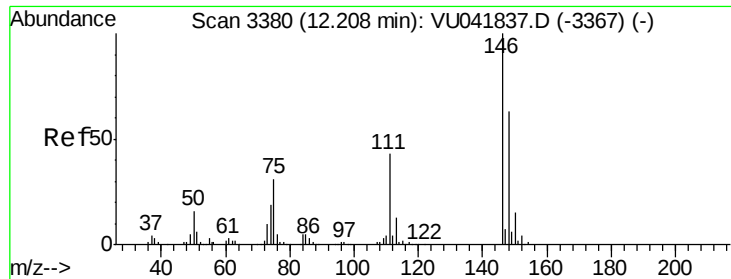
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	30.0	55.8
148	64.2	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.346 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	27.9	51.9
148	63.3	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 5.249 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

ClientSampleId :

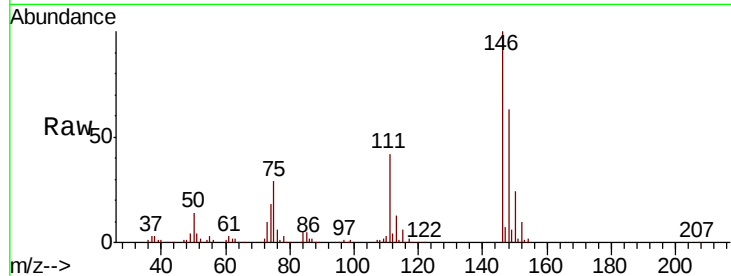
Tot Ion:146 Resp: 131024

Ion Ratio Lower Upper

146 100

111 41.8 35.0 52.6

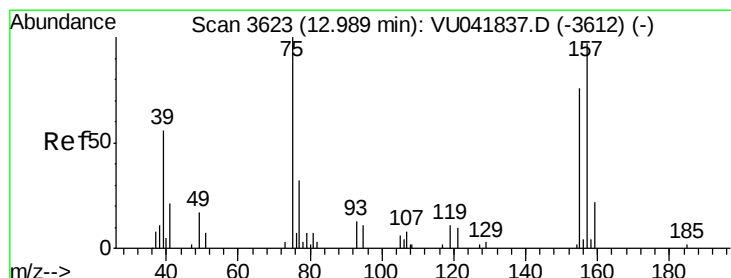
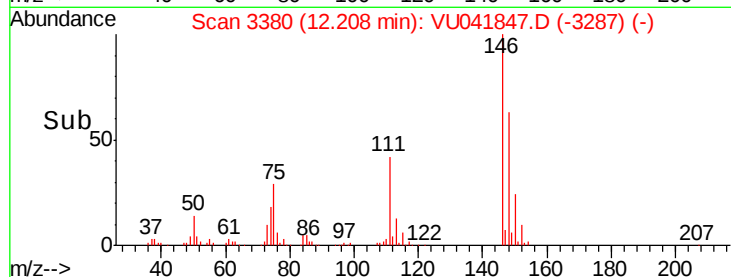
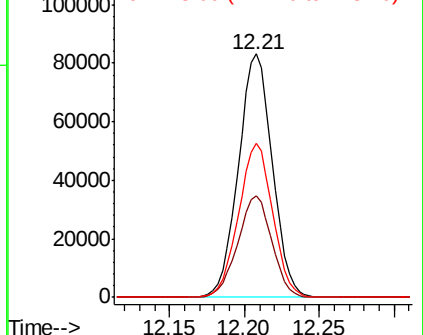
148 63.1 51.0 76.6



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: 4.103 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

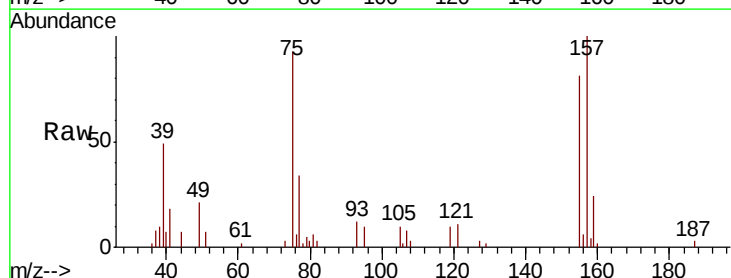
Tgt Ion: 75 Resp: 9605

Ion Ratio Lower Upper

75 100

155 87.5 57.4 86.0#

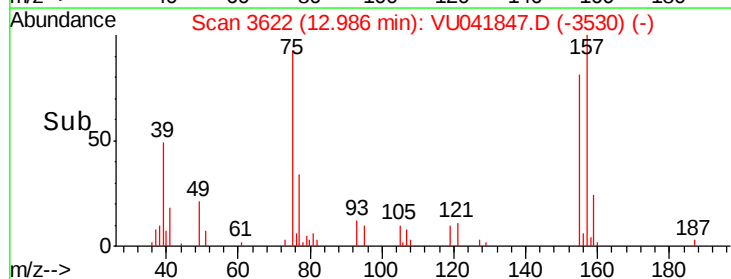
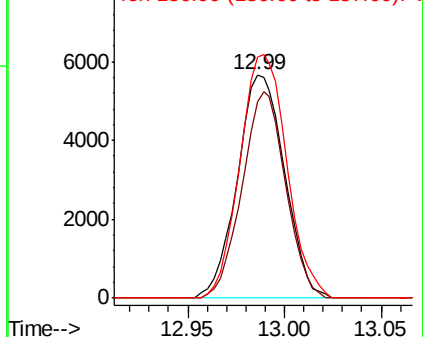
157 107.8 72.4 108.6

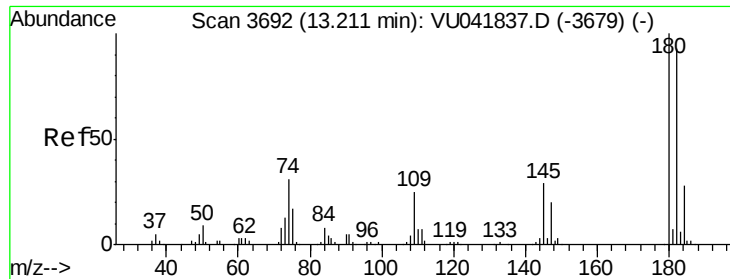


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

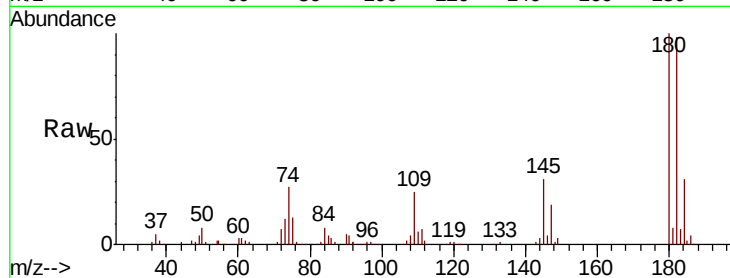




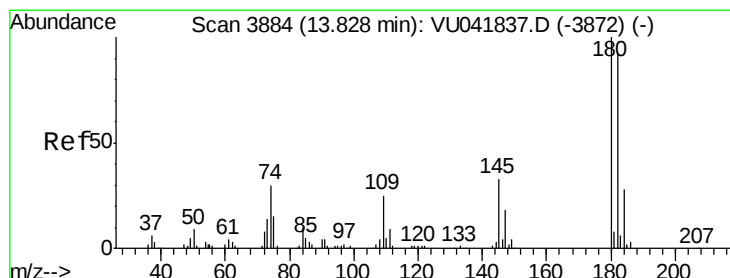
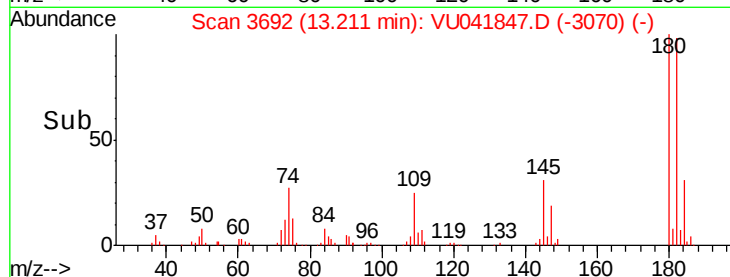
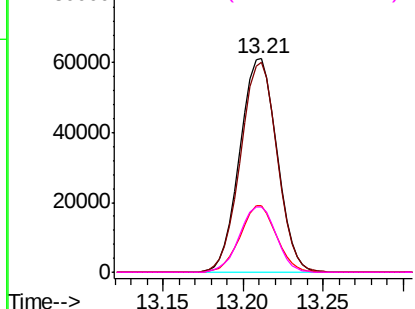
#67
 1,3,5-Trichlorobenzene
 Concen: 5.012 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	96979
Ion	Ratio	Lower Upper
180	100	
182	96.6	76.3 114.5
184	30.3	24.1 36.1
145	30.4	24.1 36.1

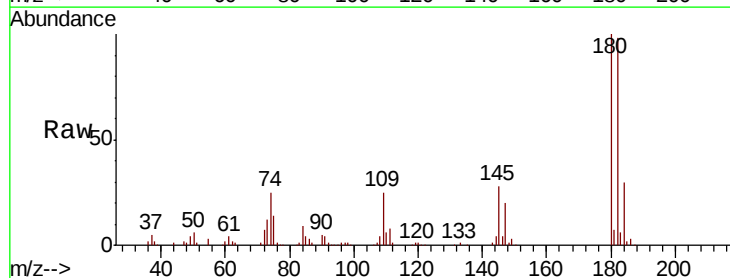


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

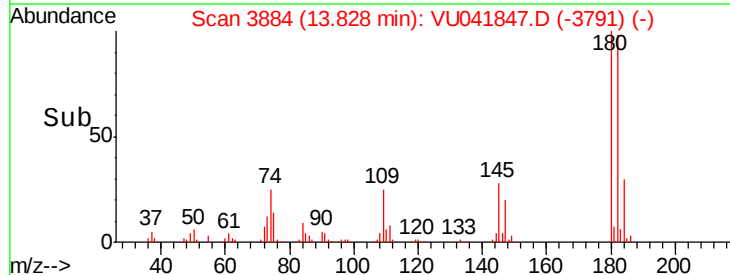
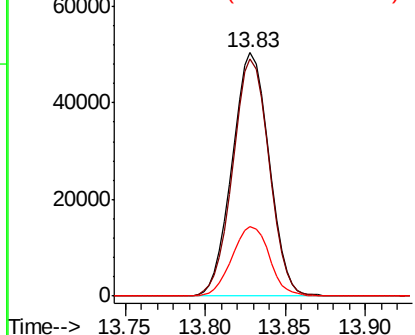


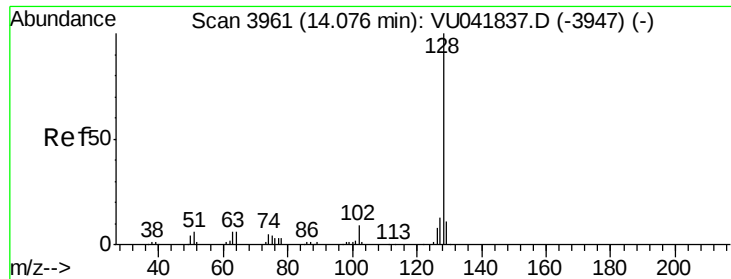
#68
 1,2,4-trichlorobenzene
 Concen: 4.876 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041847.D
 Acq: 04 Jan 2021 16:39

Tgt Ion:180	Resp:	79169
Ion	Ratio	Lower Upper
180	100	
182	95.9	75.4 113.0
145	28.9	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: 4.006 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

Instrument :

MSVOA_U

ClientSampled :

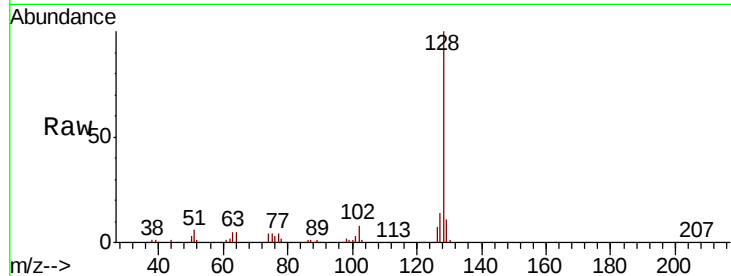
Tot Ion:128 Resp: 134652

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

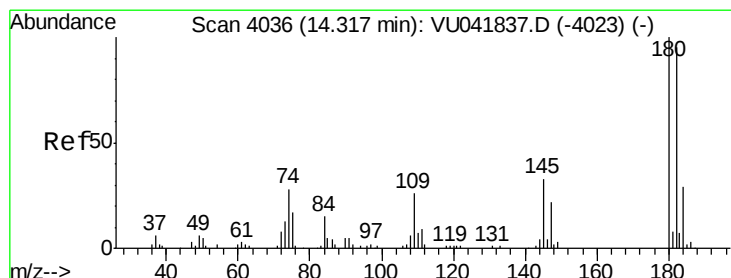
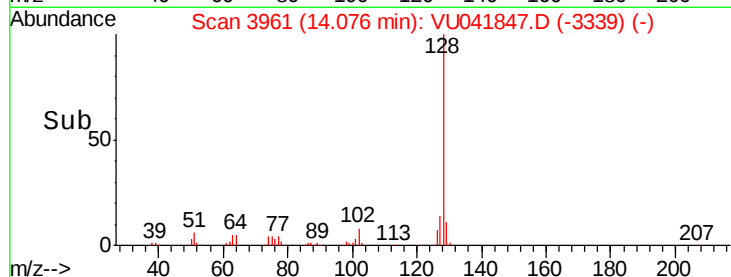
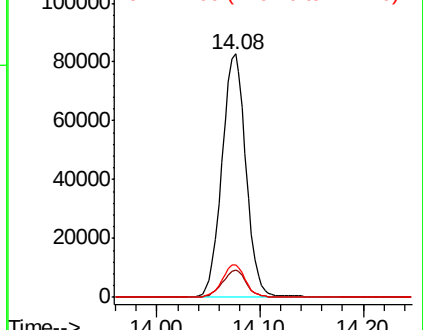
127 13.1 10.2 15.4



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: 4.948 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041847.D

Acq: 04 Jan 2021 16:39

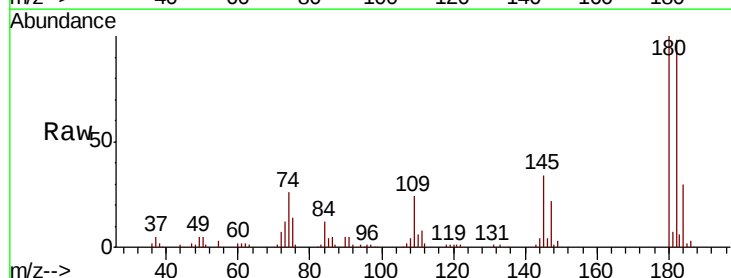
Tgt Ion:180 Resp: 76578

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.4

145 33.2 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

