

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092120\
 Data File : VU040237.D
 Acq On : 21 Sep 2020 16:35
 Operator : SY/MD
 Sample : L4046-02DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P0DL

Quant Time: Sep 22 07:15:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 22 07:07:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126283	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122233	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59472	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37779	5.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.60%
7) Chloroethane-d5	1.92	69	33146	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.58	63	65627	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.66	46	166772	60.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.94%
24) Chloroform-d	5.08	84	82646	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.72	65	52917	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.74	84	157995	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
36) 1,2-Dichloropropane-d6	6.70	67	50906	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.20%
41) Toluene-d8	7.91	98	133770	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	8.19	79	19509	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.64	63	121550	59.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45583	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	53185	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	1208	0.165 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	608	0.054 ug/L #	22
16) Methylene chloride	3.06	84	2209	0.173 ug/L	82
25) Chloroform	5.10	83	1788	0.081 ug/L	92
30) Cyclohexane	5.40	56	3139	0.169 ug/L #	24
33) Benzene	5.79	78	6985	0.160 ug/L	100
35) Methylcyclohexane	6.77	83	1906	0.106 ug/L #	90
37) 1,2-Dichloropropane	6.70	63	6275	0.530 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1683	0.096 ug/L #	65
42) Toluene	7.98	91	1547	0.034 ug/L	78
44) trans-1,3-Dichloropropene	8.19	75	1052	0.065 ug/L #	71
48) 2-Hexanone	8.64	43	17649	2.491 ug/L #	71
51) Chlorobenzene	9.45	112	170707	6.106 ug/L	94
56) Isopropylbenzene	10.48	105	150722	3.184 ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	12105	1.380 ug/L	93
63) 1,4-Dichlorobenzene	11.83	146	8472	0.385 ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	6591	0.313 ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 22 07:07:10 2020
Response via : Initial Calibration

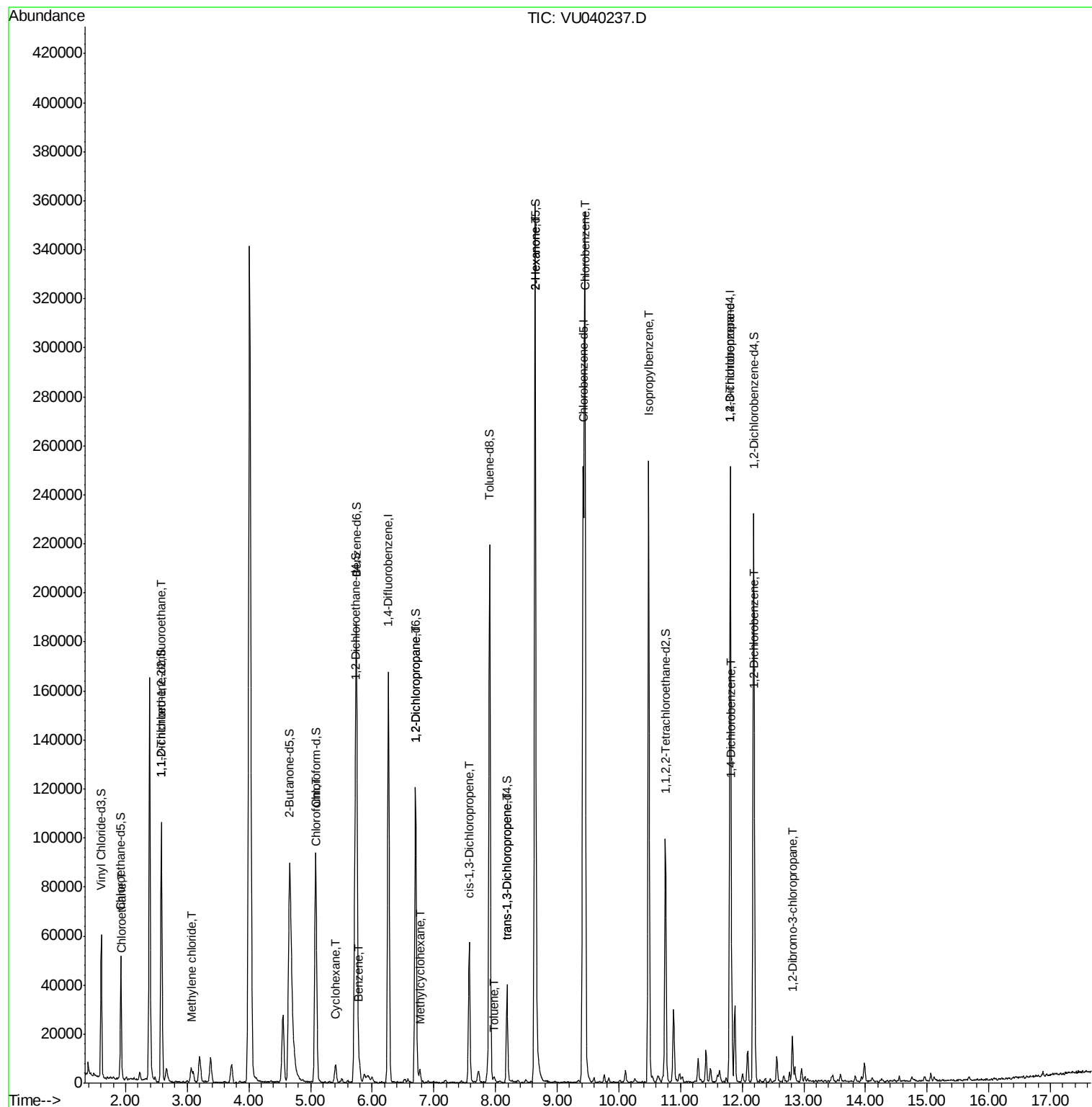
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.82	75	250	0.111	ug/L #	8

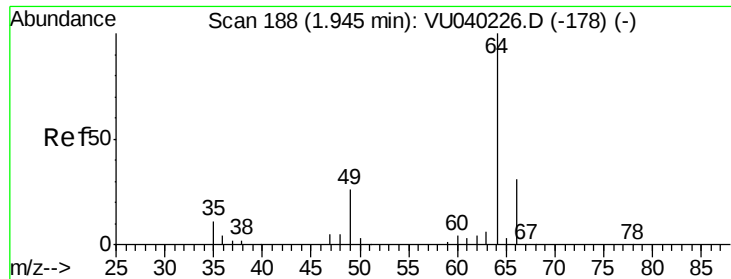
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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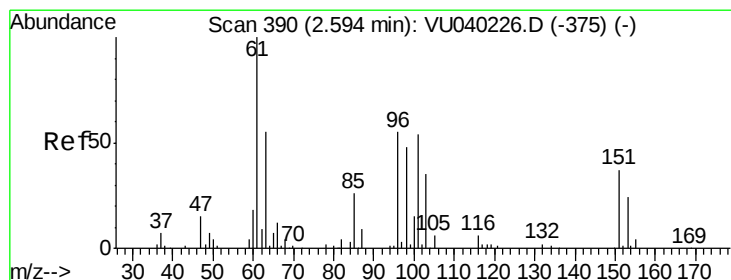
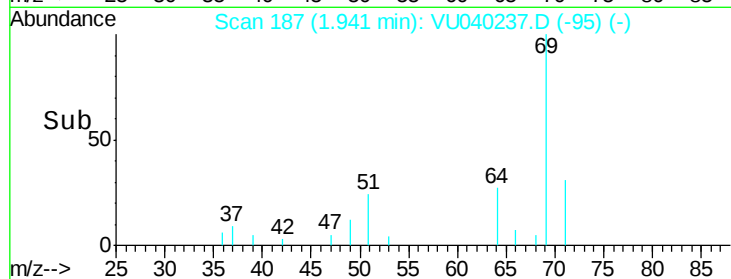
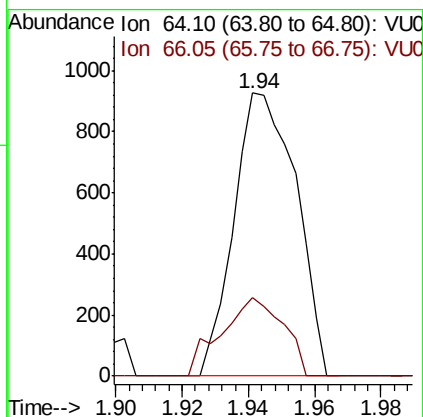
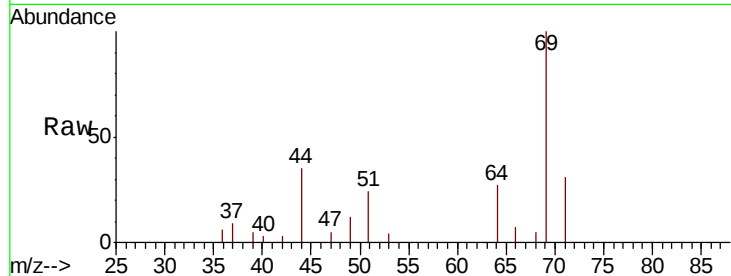




#8
Chloroethane
Concen: 0.165 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

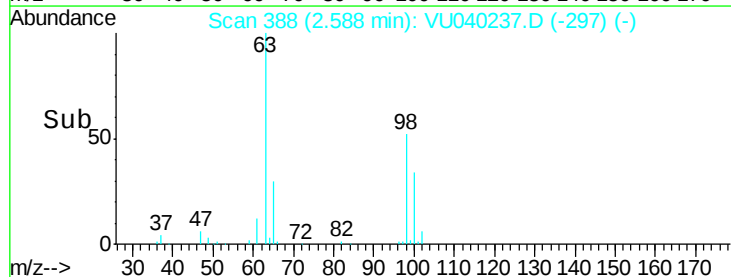
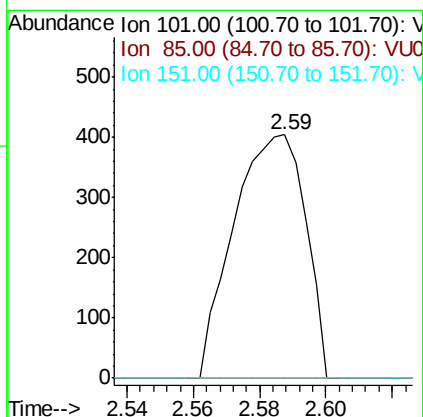
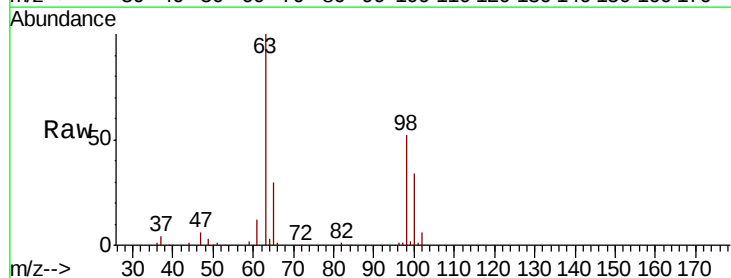
Instrument :
MSVOA_U
ClientSampleId :
BG0P0DL

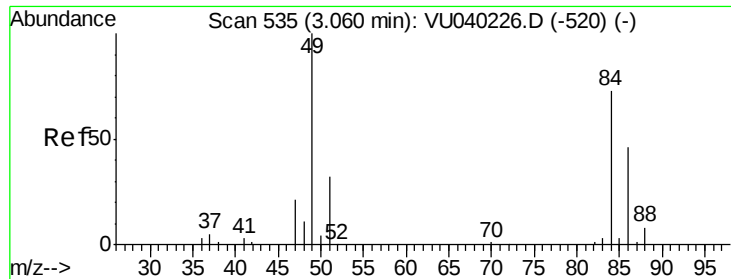
Tot Ion: 64 Resp: 1208
Ion Ratio Lower Upper
64 100
66 27.6 22.7 42.1



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.054 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.01 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

Tgt Ion: 101 Resp: 608
Ion Ratio Lower Upper
101 100
85 0.0 37.7 56.5#
151 0.0 53.9 80.9#

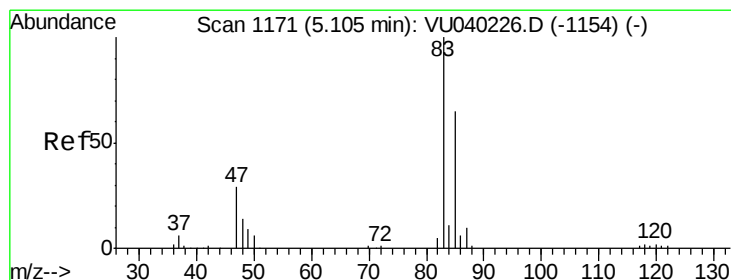
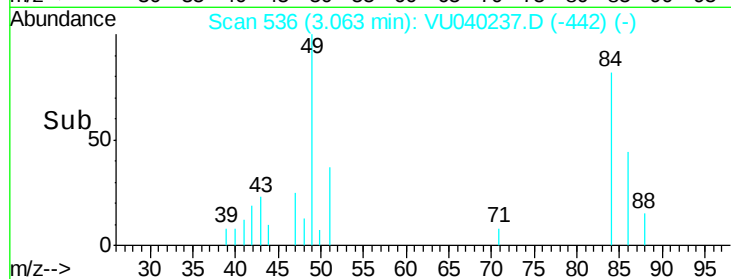
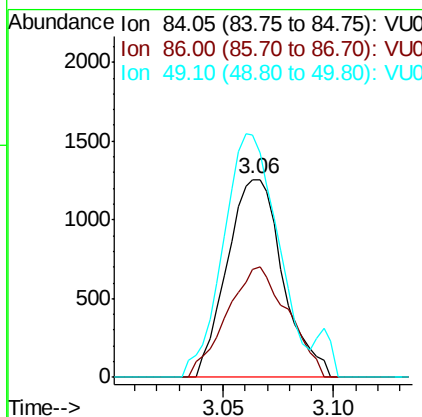
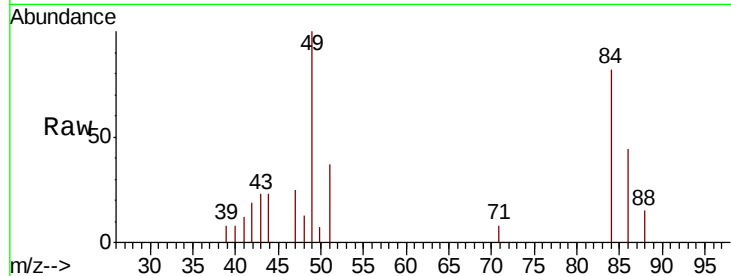




#16
Methvlene chloride
Concen: 0.173 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

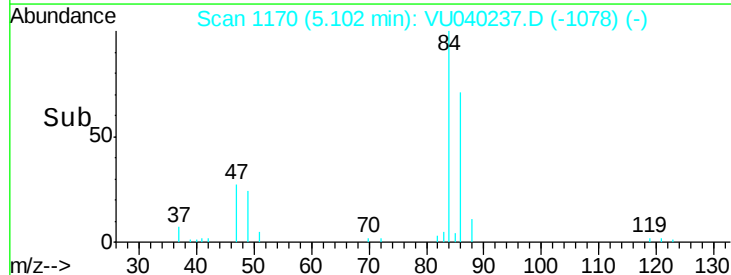
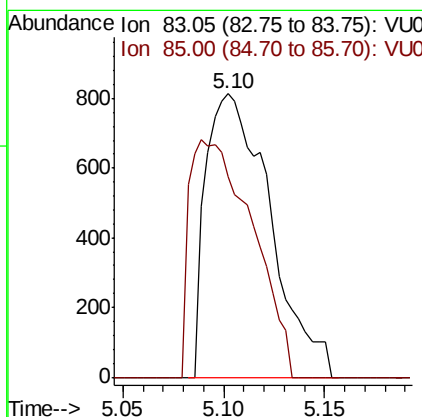
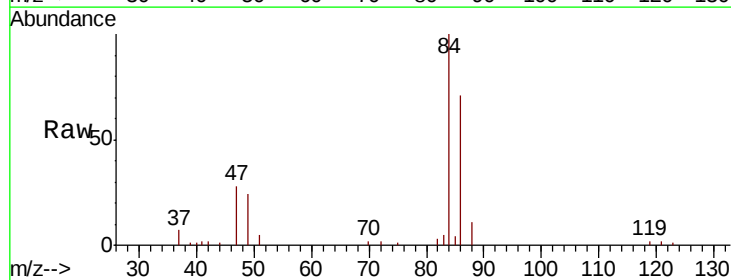
Instrument :
MSVOA_U
ClientSampled :
BG0P0DL

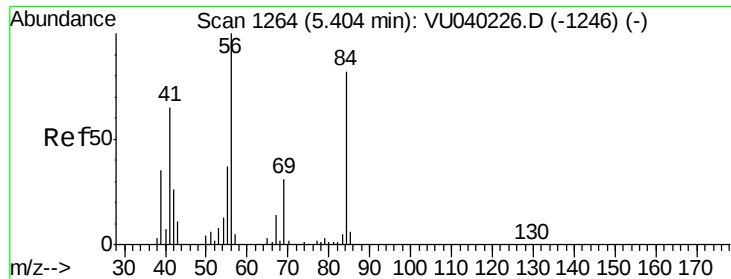
Tot Ion: 84 Resp: 2209
Ion Ratio Lower Upper
84 100
86 54.6 45.2 84.0
49 122.7 104.0 193.2



#25
Chloroform
Concen: 0.081 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

Tgt Ion: 83 Resp: 1788
Ion Ratio Lower Upper
83 100
85 71.0 45.3 84.1

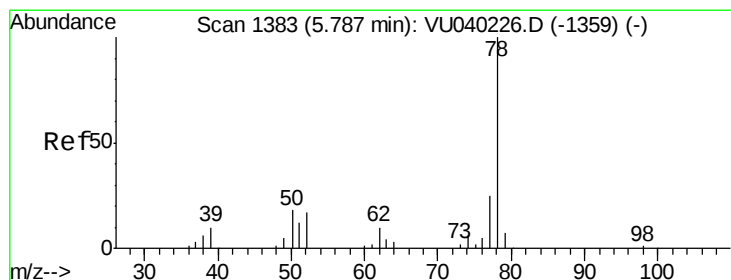
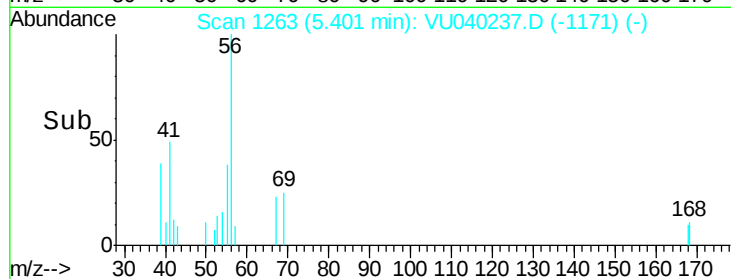
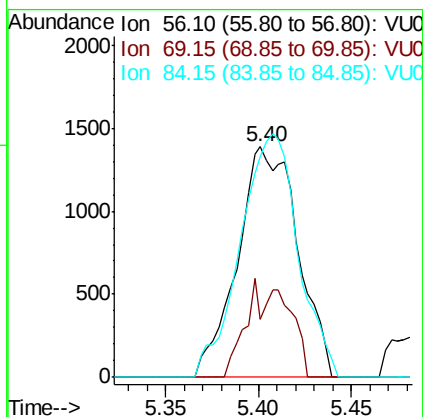
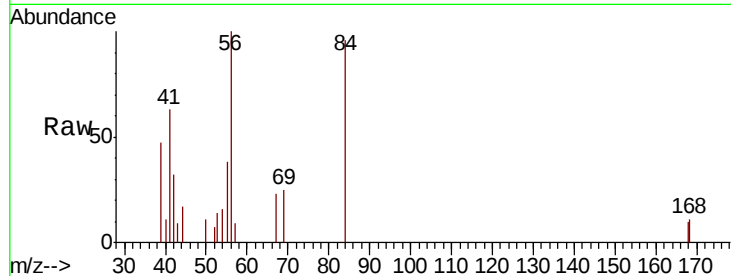




#30
Cyclohexane
Concen: 0.169 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

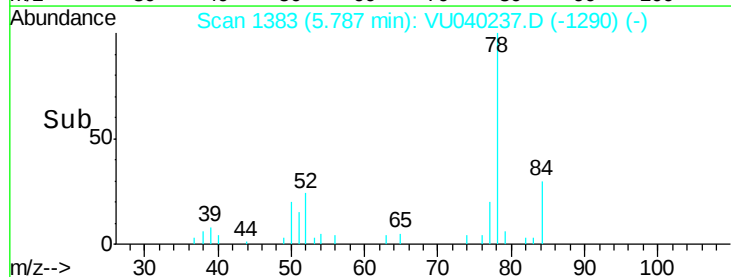
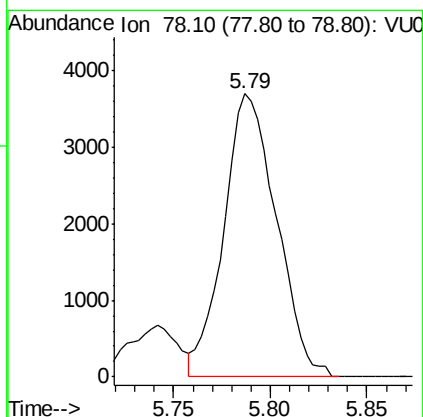
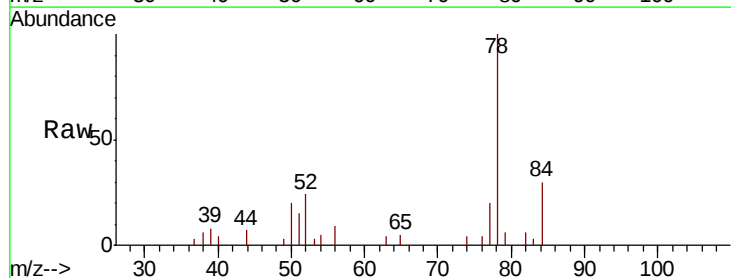
Instrument :
MSVOA_U
ClientSampleId :
BG0P0DL

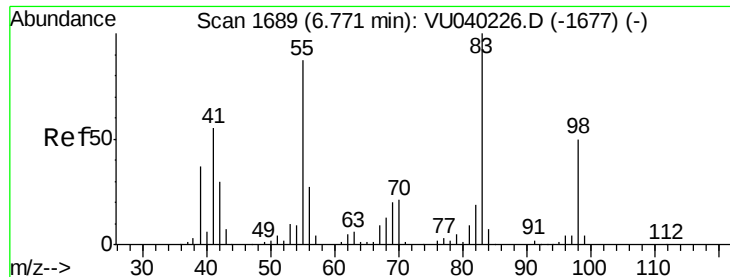
Tot Ion: 56 Resp: 3139
Ion Ratio Lower Upper
56 100
69 11.6 24.1 36.1#
84 0.0 65.0 97.4#



#33
Benzene
Concen: 0.160 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

Tgt Ion: 78 Resp: 6985

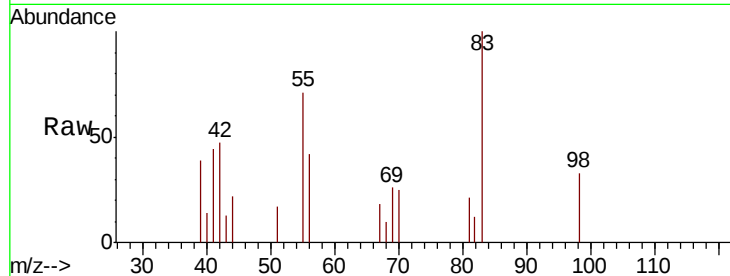




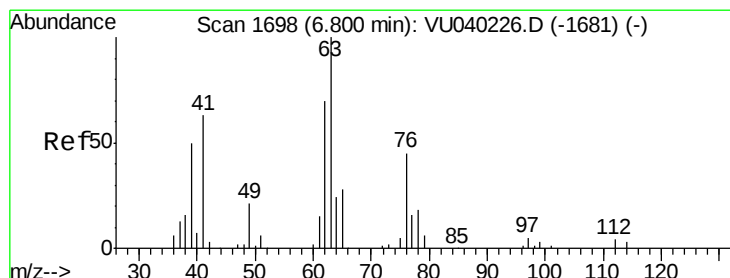
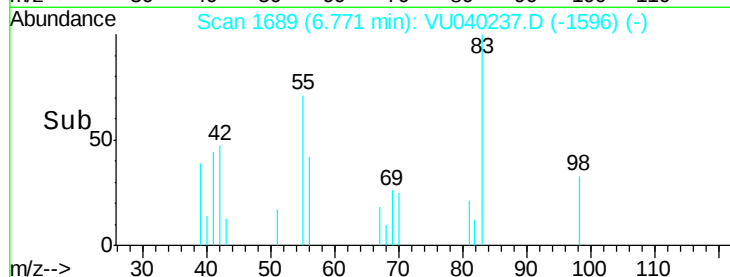
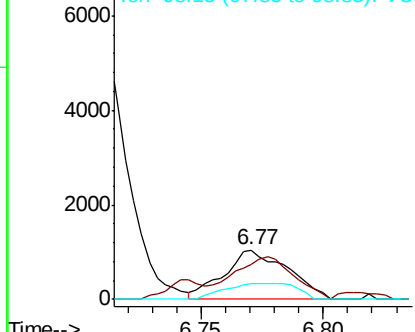
#35
Methvlcvclohexane
Concen: 0.106 ug/L
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

Instrument :
MSVOA_U
ClientSampleId :
BG0P0DL

Tot Ion: 83 Resp: 1906
Ion Ratio Lower Upper
83 100
55 81.7 70.5 105.7
98 36.6 37.8 56.6#

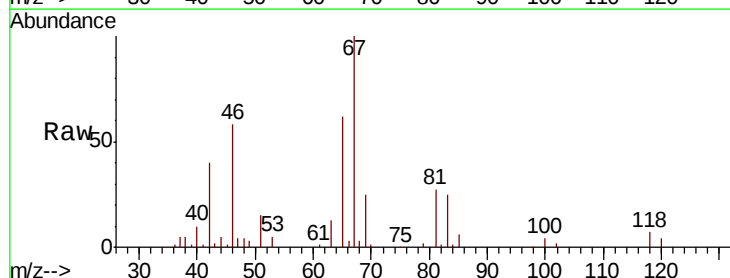


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

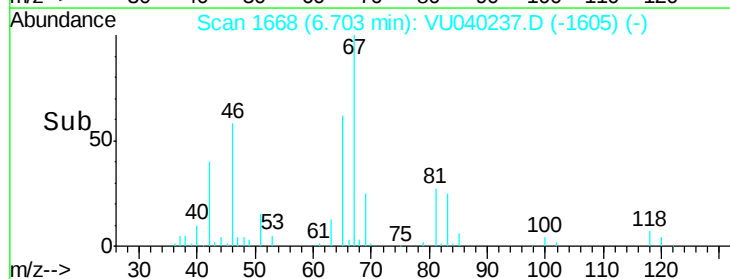
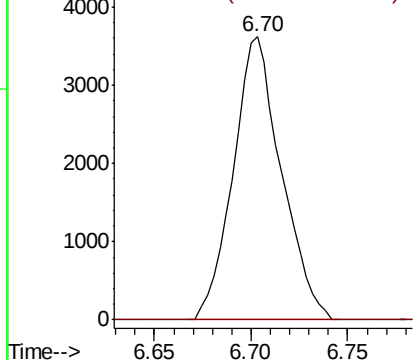


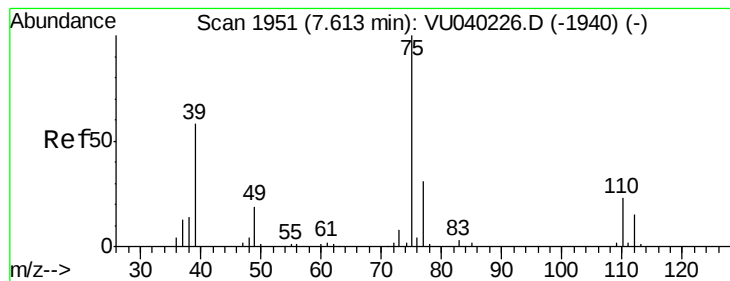
#37
1,2-Dichloropropane
Concen: 0.530 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

Tgt Ion: 63 Resp: 6275
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



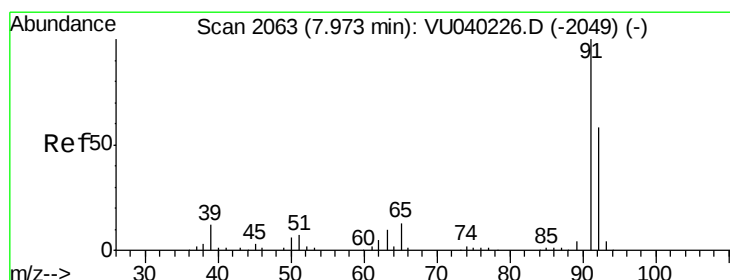
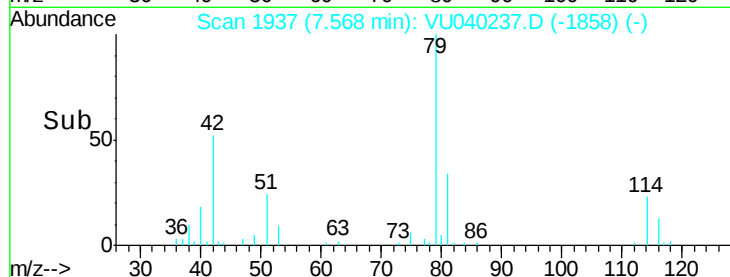
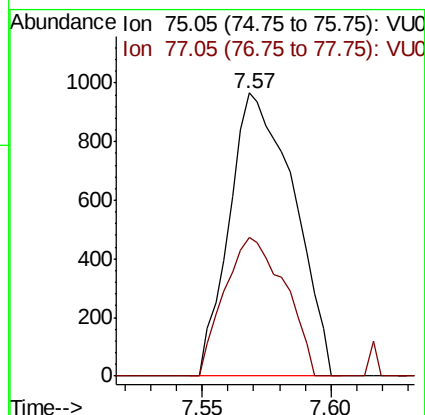
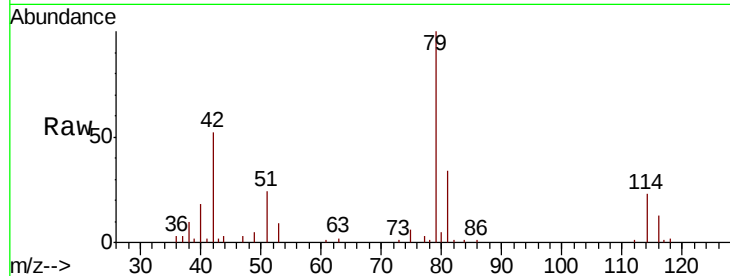


#39

cis-1,3-Dichloropropene
Concen: 0.096 ug/L
RT: 7.57 min Scan# 1937
Delta R.T. -0.05 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

Instrument :
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ClientSampleId :
BG0P0DL

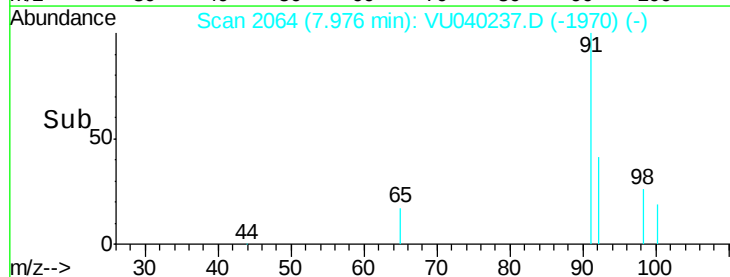
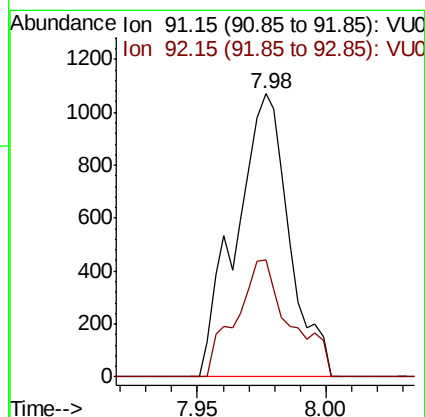
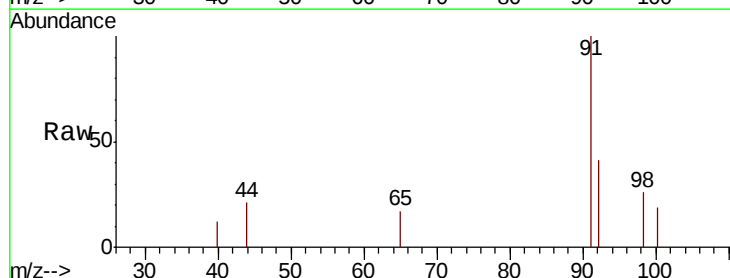
Tot Ion: 75 Resp: 1683
Ion Ratio Lower Upper
75 100
77 49.1 21.1 39.3#

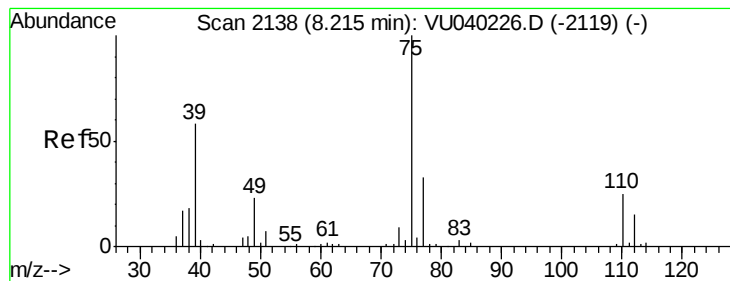


#42

Toluene
Concen: 0.034 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU040237.D
Acq: 21 Sep 2020 16:35

Tgt Ion: 91 Resp: 1547
Ion Ratio Lower Upper
91 100
92 41.5 40.7 75.5





#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040237.D

Acq: 21 Sep 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

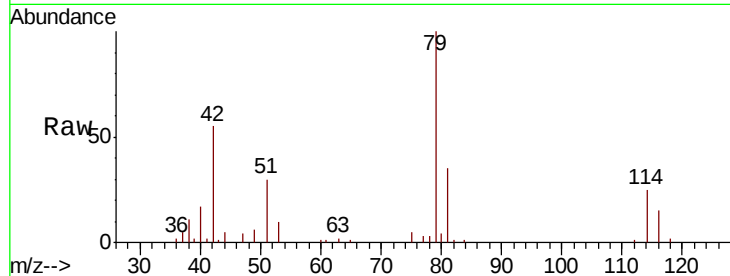
BG0P0DL

Tot Ion: 75 Resp: 1052

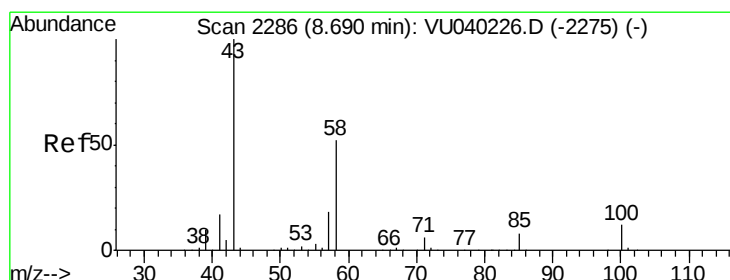
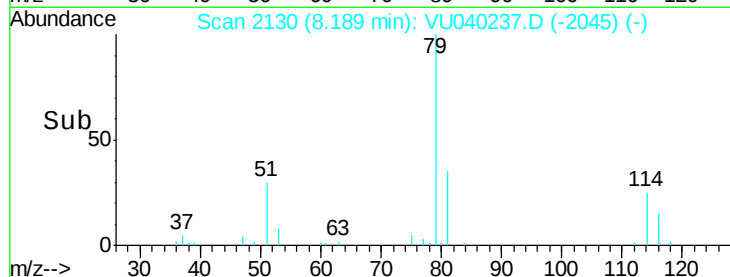
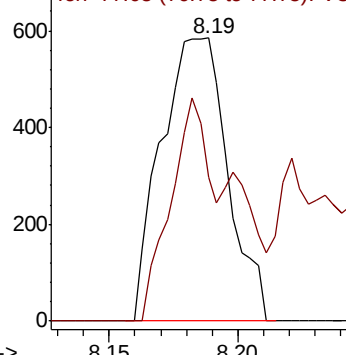
Ion Ratio Lower Upper

75 100

77 50.6 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040226.D (-2119) (-)



#48

2-Hexanone

Concen: 2.491 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040237.D

Acq: 21 Sep 2020 16:35

Tgt Ion: 43 Resp: 17649

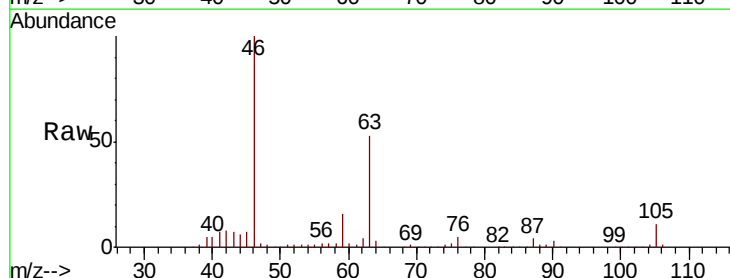
Ion Ratio Lower Upper

43 100

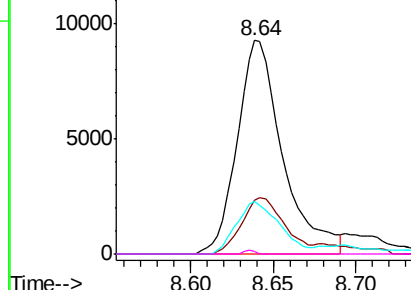
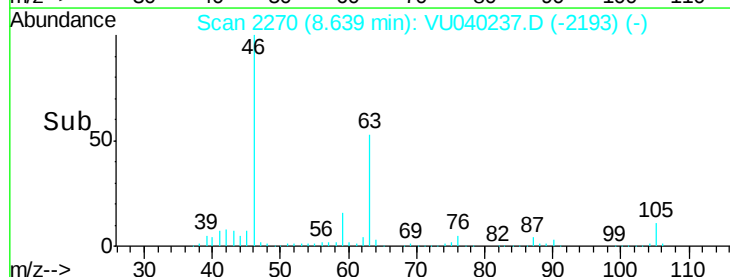
58 24.8 39.6 59.4#

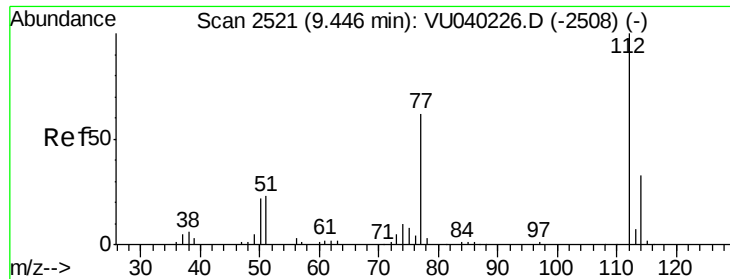
57 23.2 14.3 21.5#

100 0.4 8.0 12.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040226.D (-2275) (-)





#51

Chlorobenzene

Concen: 6.106 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040237.D

Acq: 21 Sep 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

BG0P0DL

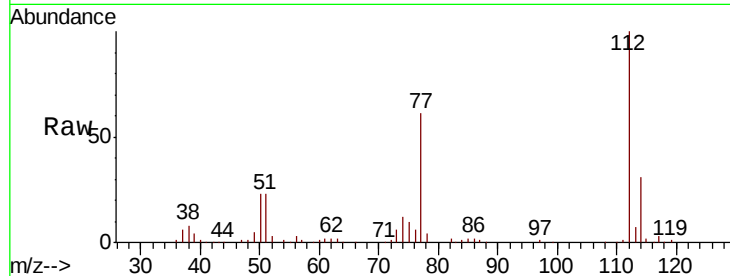
Tot Ion:112 Resp: 170707

Ion Ratio Lower Upper

112 100

114 30.6 22.7 42.3

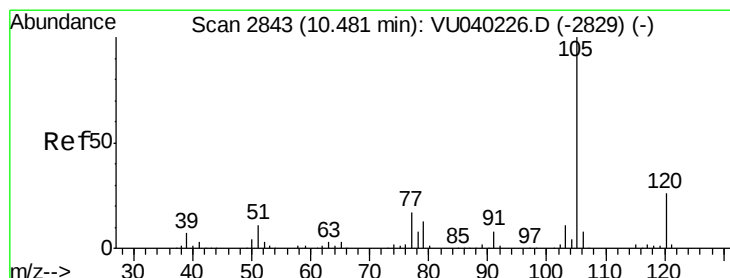
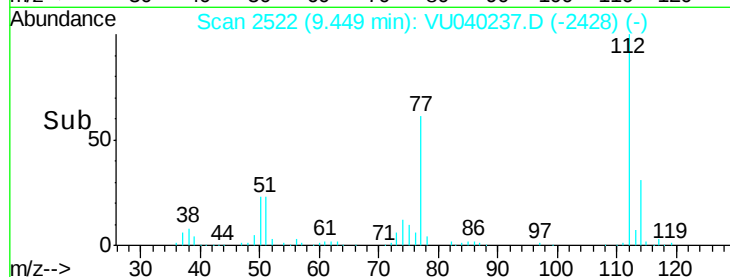
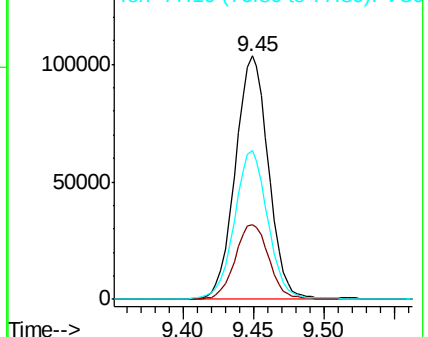
77 61.1 53.2 79.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



#56

Isopropylbenzene

Concen: 3.184 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040237.D

Acq: 21 Sep 2020 16:35

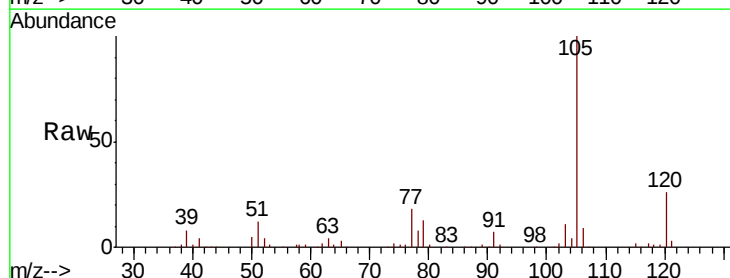
Tgt Ion:105 Resp: 150722

Ion Ratio Lower Upper

105 100

120 26.2 20.1 30.1

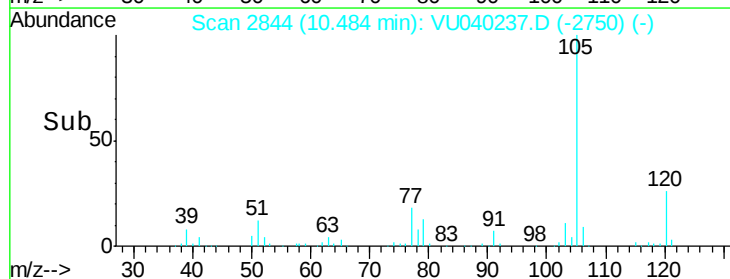
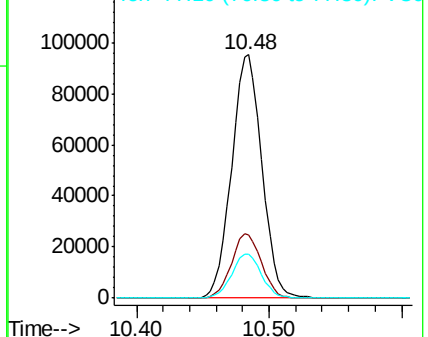
77 17.8 14.4 21.6

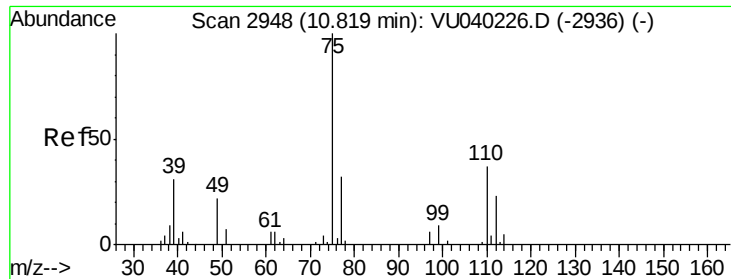


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

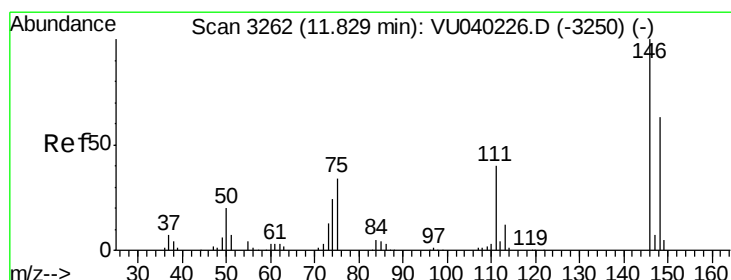
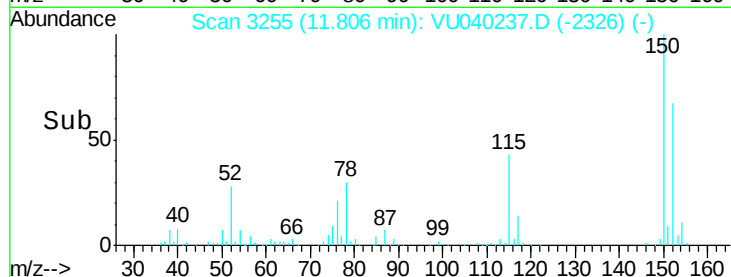
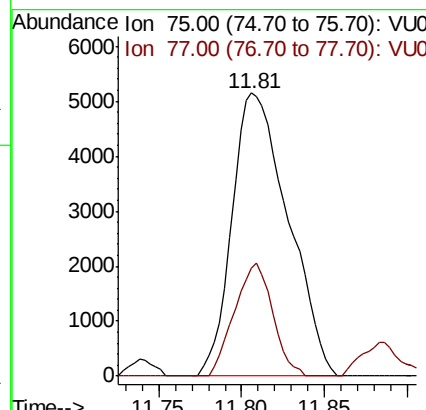
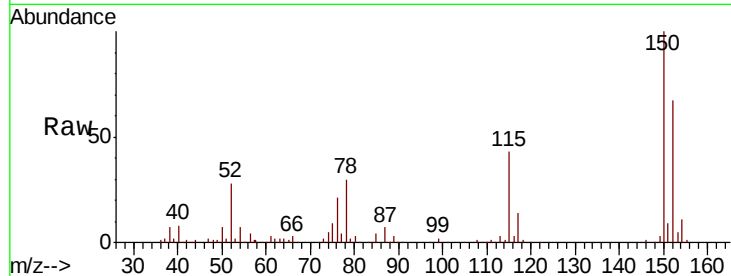




#59
 1,2,3-Trichloropropane
 Concen: 1.380 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.99 min
 Lab File: VU040237.D
 Acq: 21 Sep 2020 16:35

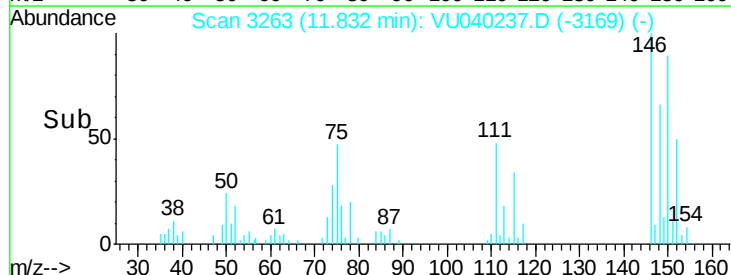
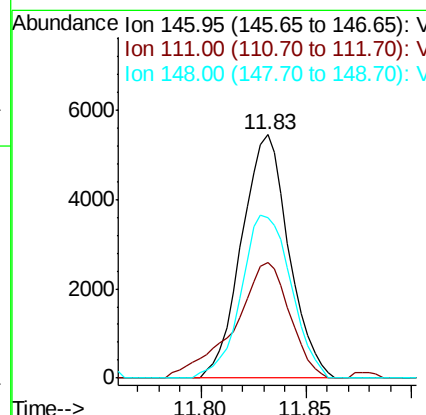
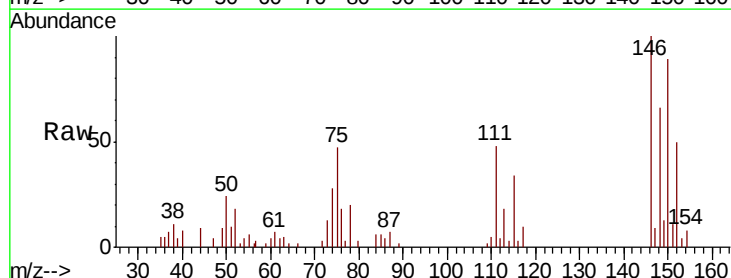
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P0DL

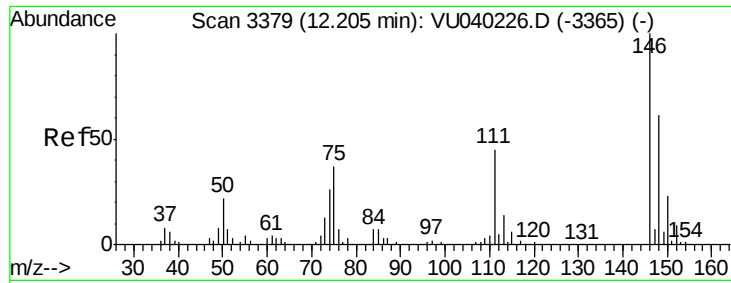
Tot Ion: 75 Resp: 12105
 Ion Ratio Lower Upper
 75 100
 77 27.1 24.9 37.3



#63
 1,4-Dichlorobenzene
 Concen: 0.385 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040237.D
 Acq: 21 Sep 2020 16:35

Tgt Ion: 146 Resp: 8472
 Ion Ratio Lower Upper
 146 100
 111 47.7 30.5 56.7
 148 65.9 45.4 84.4

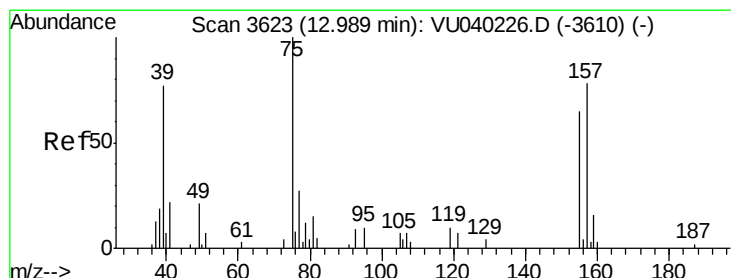
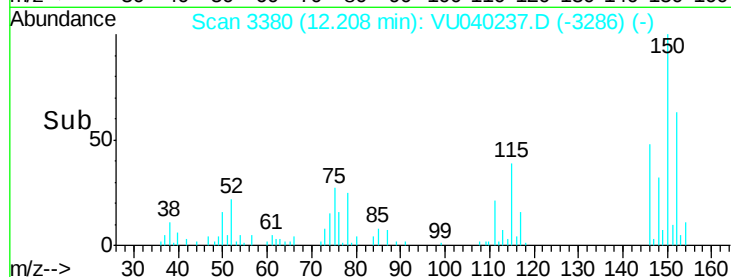
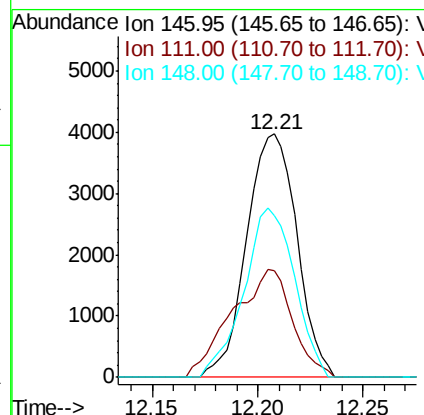
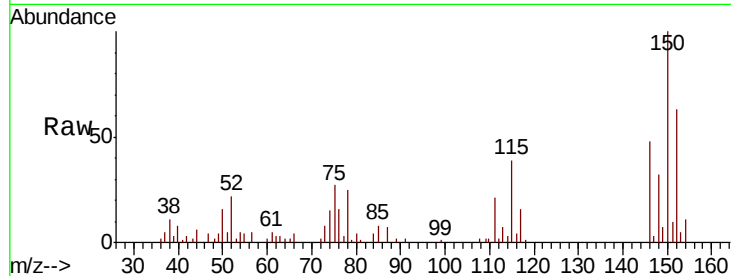




#65
 1,2-Dichlorobenzene
 Concen: 0.313 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040237.D
 Acq: 21 Sep 2020 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P0DL

Tot Ion:146 Resp: 6591
 Ion Ratio Lower Upper
 146 100
 111 44.0 36.5 54.7
 148 66.5 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.111 ug/L
 RT: 12.82 min Scan# 3569
 Delta R.T. -0.17 min
 Lab File: VU040237.D
 Acq: 21 Sep 2020 16:35

Tgt Ion: 75 Resp: 250
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.6 82.0#
 157 0.0 75.6 113.4#

