

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040234.D
 Acq On : 21 Sep 2020 15:20
 Operator : SY/MD
 Sample : L4046-16 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q2DL

Quant Time: Sep 22 07:15:25 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	128470	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128582	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54802	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	29671	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.93	69	28760	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.58	63	52897	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	4.66	46	161578	57.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.18%
24) Chloroform-d	5.08	84	78658	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	51754	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.75	84	140732	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	48811	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	112141	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	20163	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	116231	53.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46423	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	48156	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

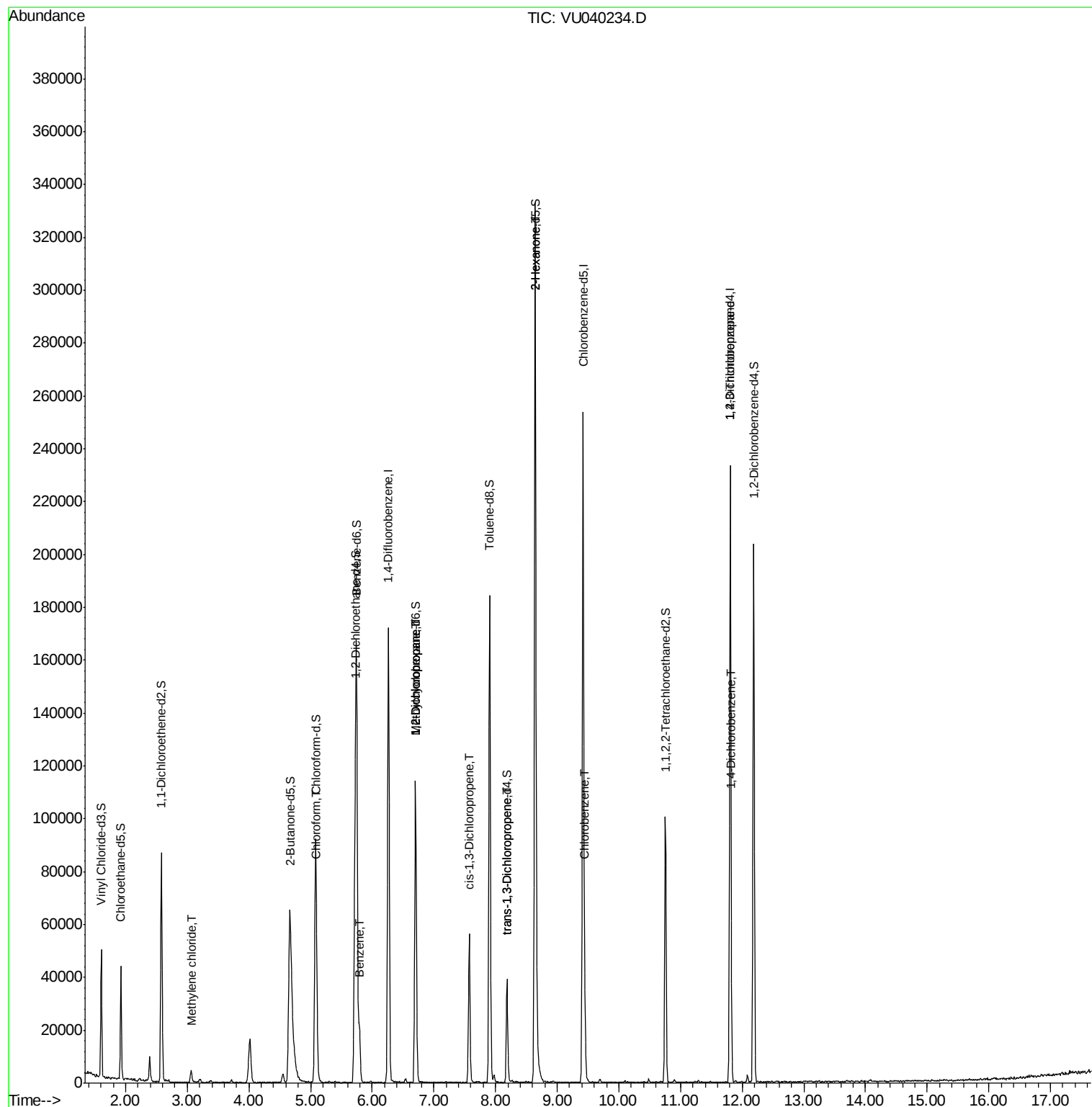
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.07	84	1999	0.154	ug/L	84
25) Chloroform	5.11	83	4194	0.186	ug/L	87
33) Benzene	5.79	78	18655	0.406	ug/L	100
35) Methylcyclohexane	6.70	83	11910	0.630	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6219	0.499	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1517	0.083	ug/L #	66
44) trans-1,3-Dichloropropene	8.18	75	1049	0.062	ug/L	87
48) 2-Hexanone	8.64	43	16124	2.163	ug/L #	75
51) Chlorobenzene	9.45	112	12415	0.422	ug/L	97
59) 1,2,3-Trichloropropane	11.80	75	8578	0.930	ug/L #	87
63) 1,4-Dichlorobenzene	11.83	146	851	0.042	ug/L #	70

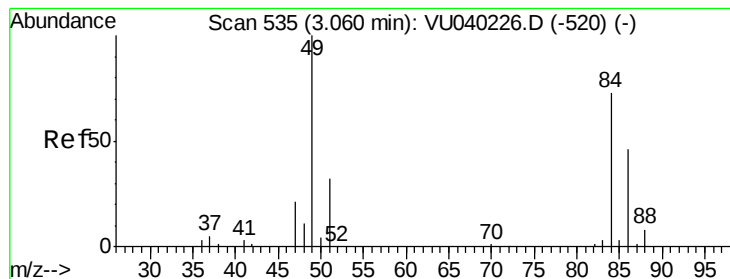
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methylene chloride

Concen: 0.154 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU040234.D

Acq: 21 Sep 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

BG0Q2DL

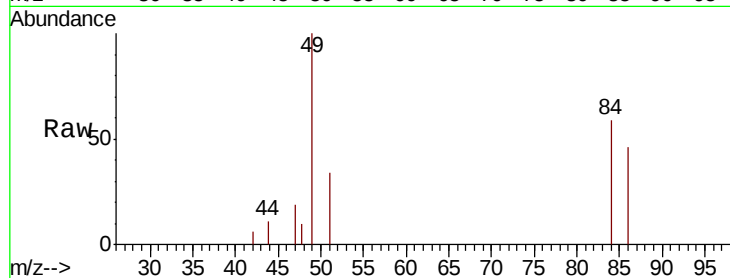
Tot Ion: 84 Resp: 1999

Ion Ratio Lower Upper

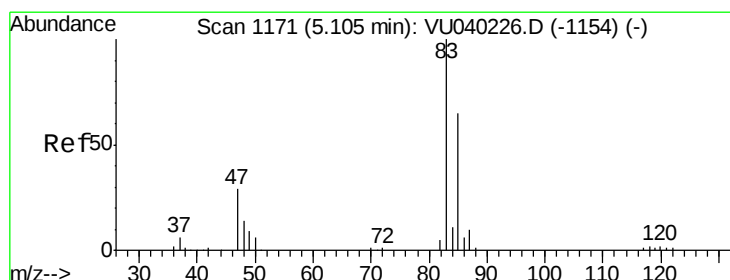
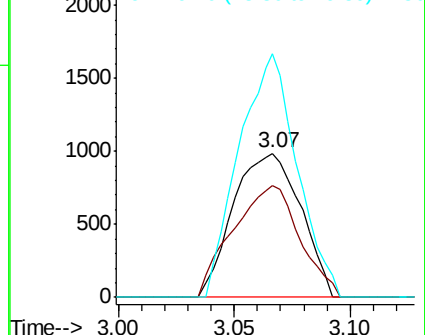
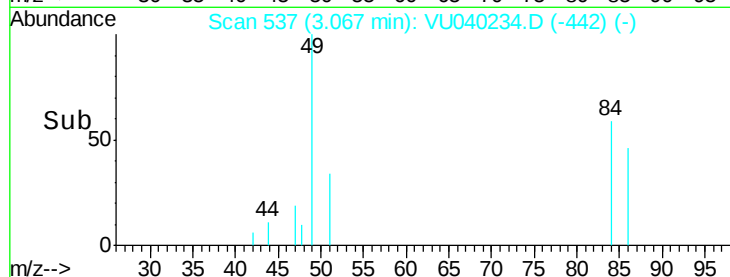
84 100

86 77.4 45.2 84.0

49 169.3 104.0 193.2



Abundance Ion 84.05 (83.75 to 84.75): VU040234.D (-442) (-)



#25

Chloroform

Concen: 0.186 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040234.D

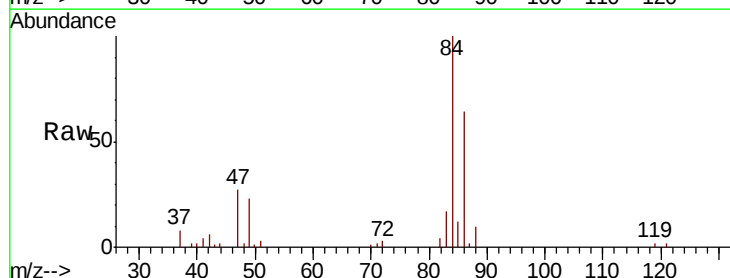
Acq: 21 Sep 2020 15:20

Tgt Ion: 83 Resp: 4194

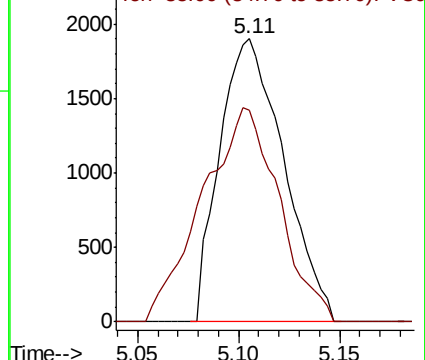
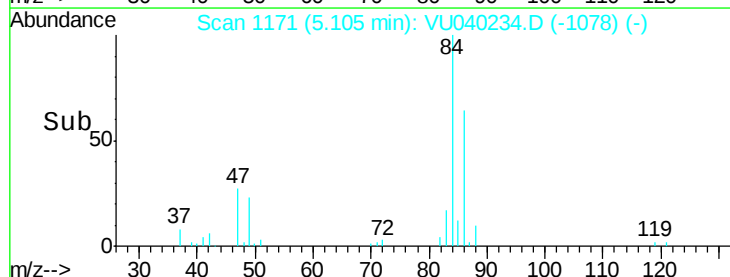
Ion Ratio Lower Upper

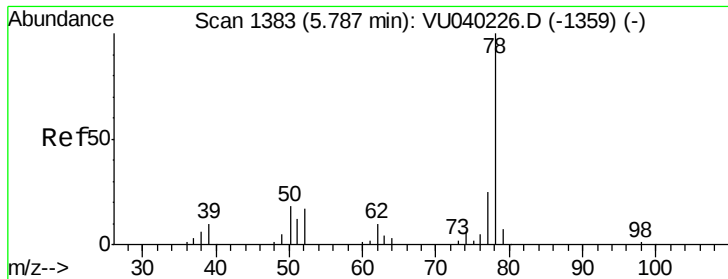
83 100

85 75.0 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU040234.D (-1078) (-)





#33

Benzene

Concen: 0.406 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.01 min

Lab File: VU040234.D

Acq: 21 Sep 2020 15:20

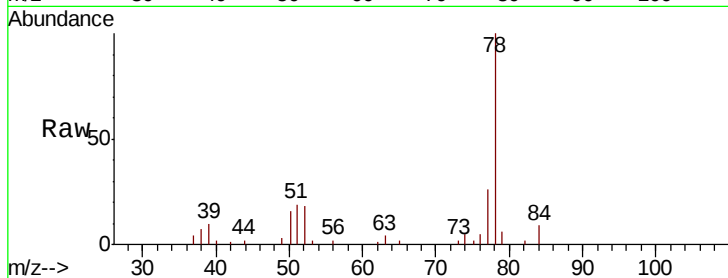
Instrument :

MSVOA_U

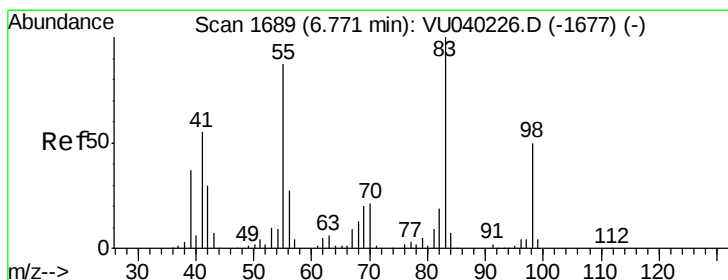
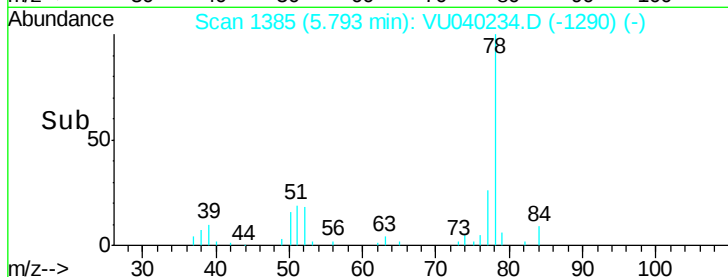
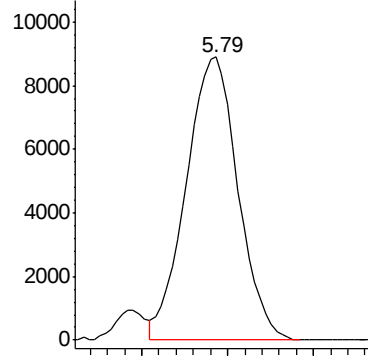
ClientSampleId :

BG0Q2DL

Tgt Ion: 78 Resp: 18655



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.630 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU040234.D

Acq: 21 Sep 2020 15:20

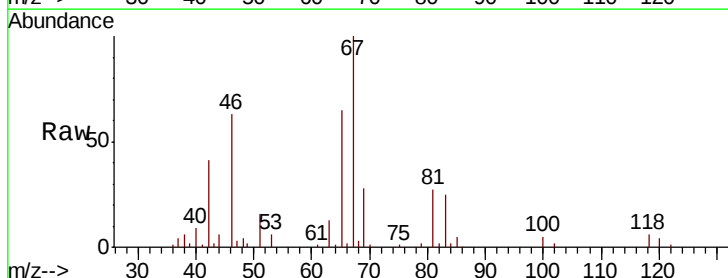
Tgt Ion: 83 Resp: 11910

Ion Ratio Lower Upper

83 100

55 0.0 70.5 105.7#

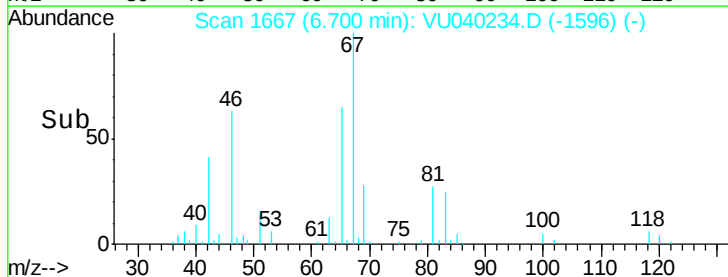
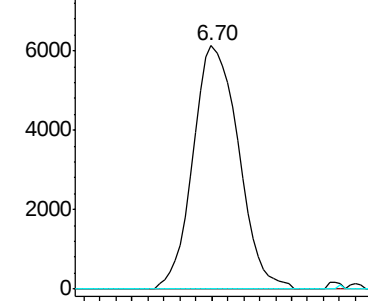
98 0.2 37.8 56.6#

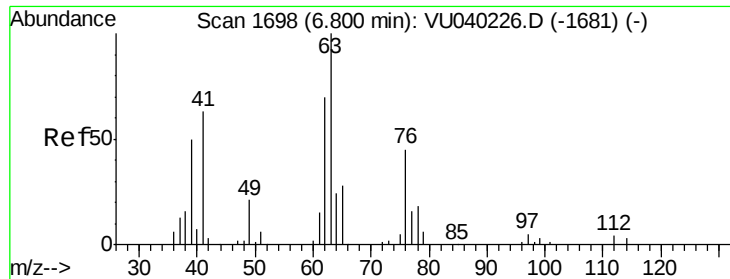


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

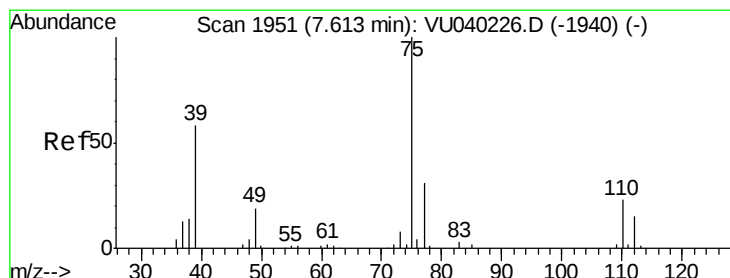
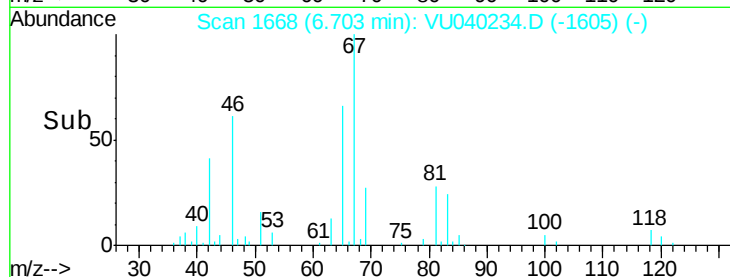
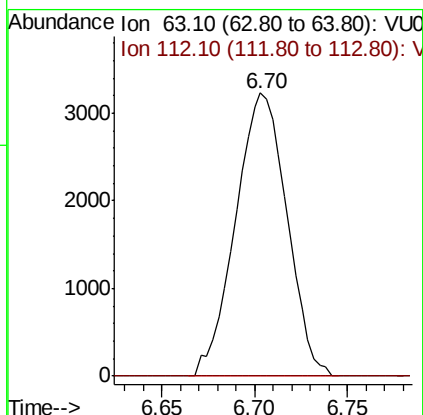
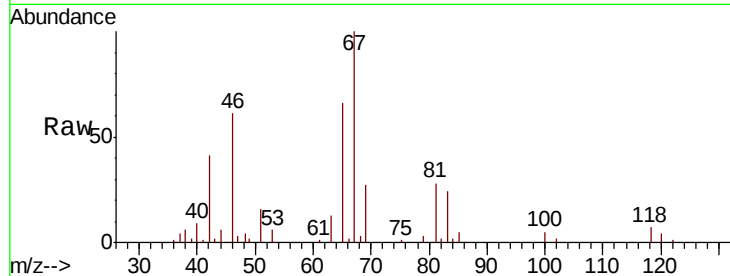




#37
 1,2-Dichloropropane
 Concen: 0.499 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040234.D
 Acq: 21 Sep 2020 15:20

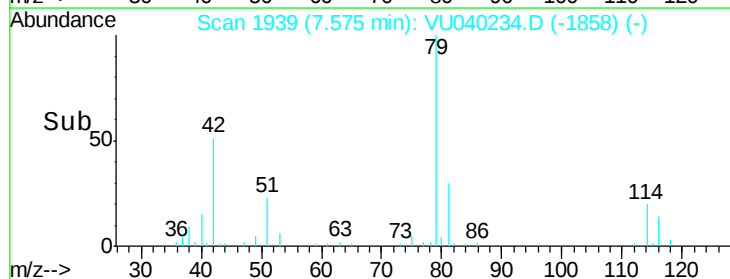
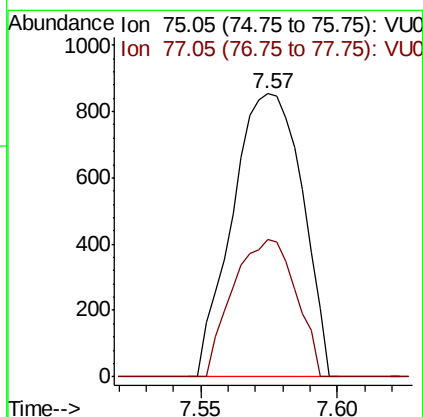
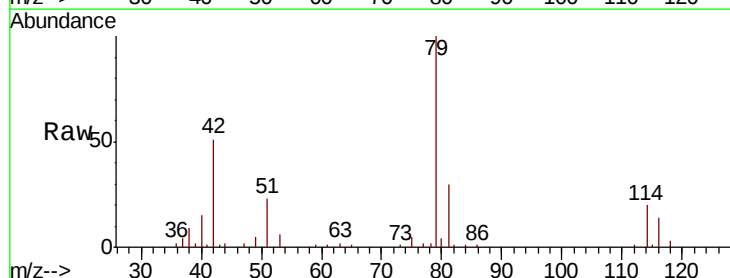
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q2DL

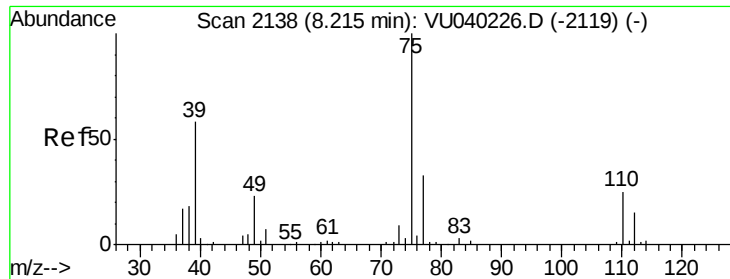
Tot Ion: 63 Resp: 6219
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040234.D
 Acq: 21 Sep 2020 15:20

Tgt Ion: 75 Resp: 1517
 Ion Ratio Lower Upper
 75 100
 77 48.8 21.1 39.3#

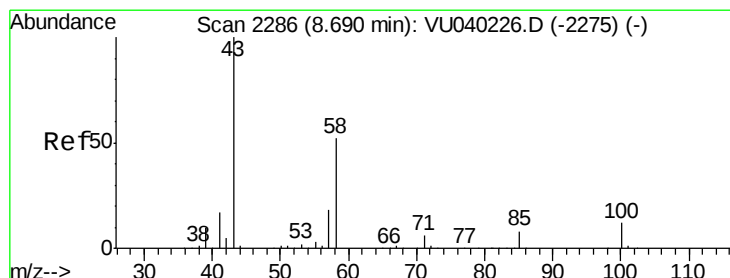
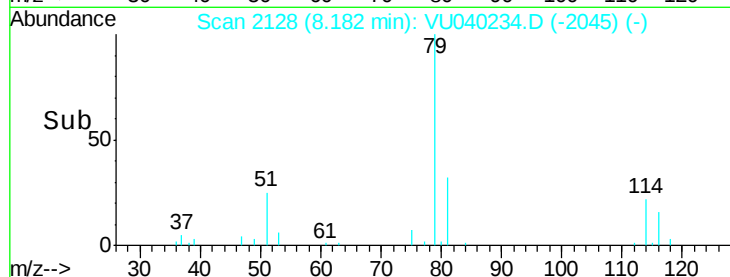
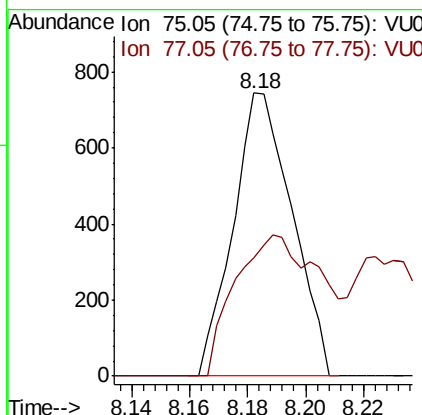
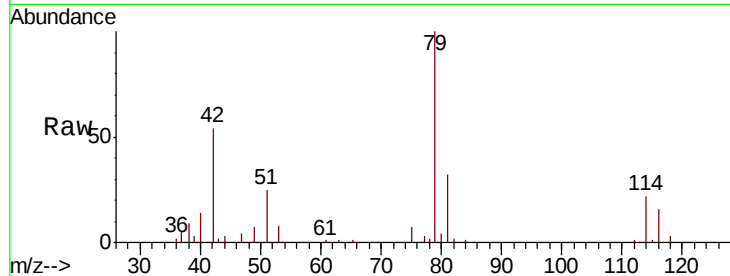




#44
trans-1,3-Dichloropropene
Concen: 0.062 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040234.D
Acq: 21 Sep 2020 15:20

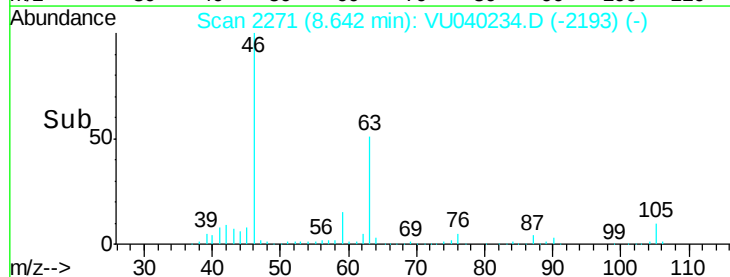
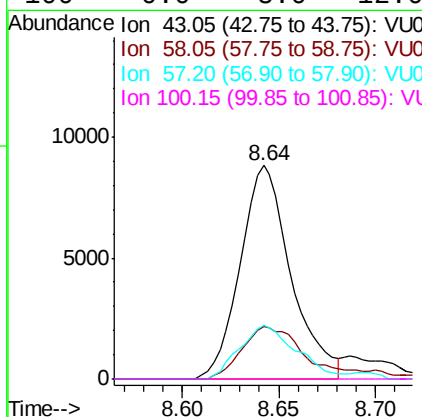
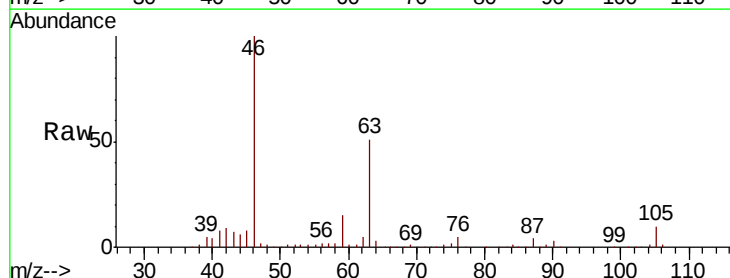
Instrument :
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ClientSampleId :
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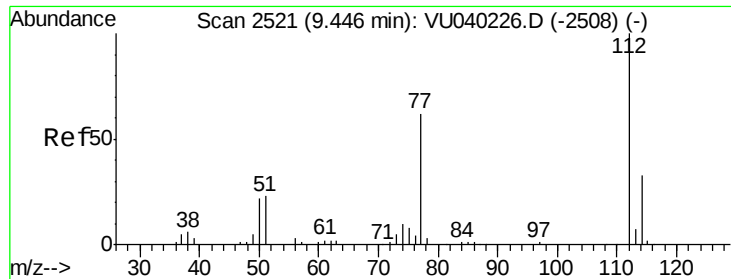
Tot Ion: 75 Resp: 1049
Ion Ratio Lower Upper
75 100
77 41.7 23.9 44.3



#48
2-Hexanone
Concen: 2.163 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040234.D
Acq: 21 Sep 2020 15:20

Tgt Ion: 43 Resp: 16124
Ion Ratio Lower Upper
43 100
58 32.3 39.6 59.4#
57 28.1 14.3 21.5#
100 0.0 8.0 12.0#





#51

Chlorobenzene

Concen: 0.422 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040234.D

Acq: 21 Sep 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

BG0Q2DL

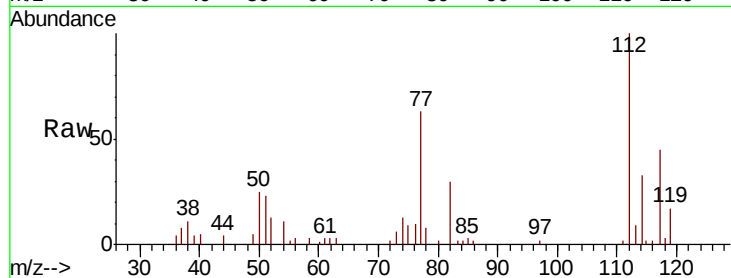
Tot Ion:112 Resp: 12415

Ion Ratio Lower Upper

112 100

114 33.0 22.7 42.3

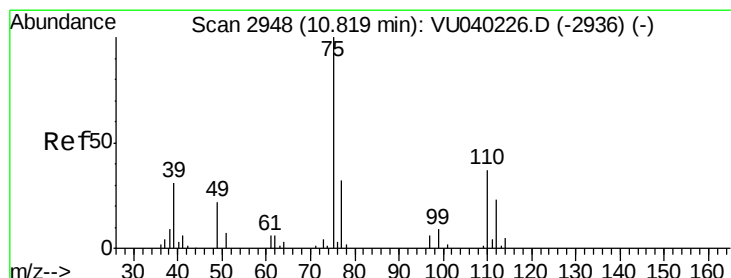
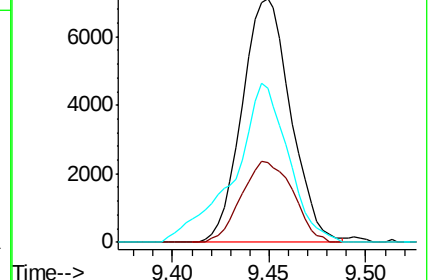
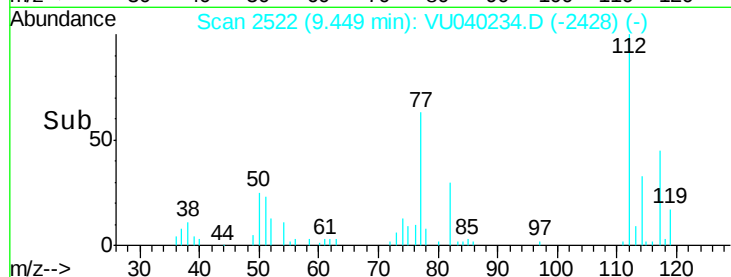
77 63.3 53.2 79.8



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): V



#59

1,2,3-Trichloropropane

Concen: 0.930 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU040234.D

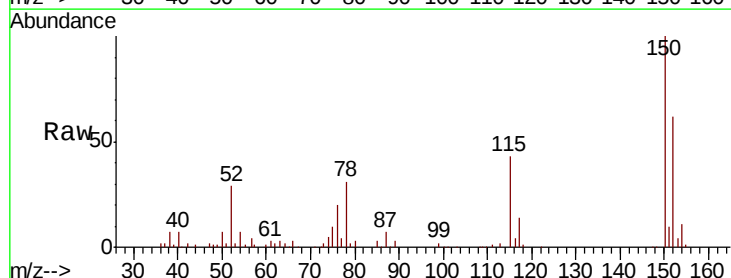
Acq: 21 Sep 2020 15:20

Tgt Ion: 75 Resp: 8578

Ion Ratio Lower Upper

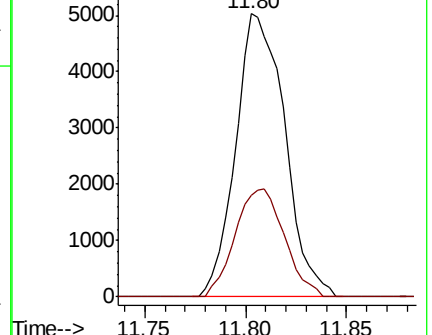
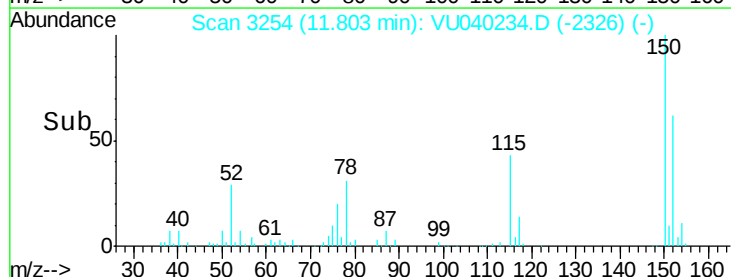
75 100

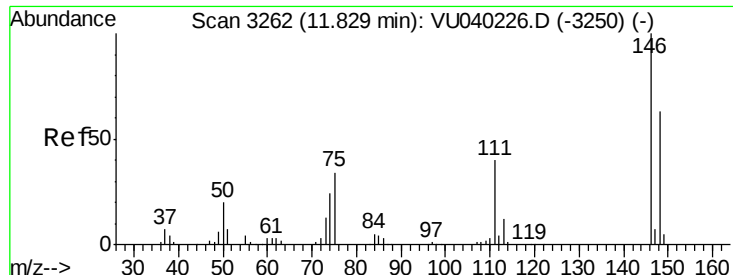
77 38.2 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 0.042 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

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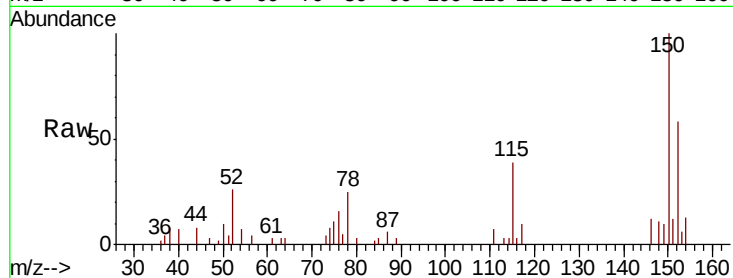
Tot Ion:146 Resp: 851

Ion Ratio Lower Upper

146 100

111 57.3 30.5 56.7#

148 92.7 45.4 84.4#



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

