

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040580.D
 Acq On : 09 Oct 2020 13:48
 Operator : SY/MD
 Sample : L4240-11DL2 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3TODL

Quant Time: Oct 10 04:20:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 04:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	191522	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	190341	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	98033	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	62239	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.92	69	51475	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.58	63	94777	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.66	46	246398	48.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.04%
24) Chloroform-d	5.08	84	114492	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
26) 1,2-Dichloroethane-d4	5.72	65	70865	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
32) Benzene-d6	5.74	84	222741	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.70	67	74020	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.90	98	185422	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	8.18	79	30176	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	168697	45.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	64044	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	79651	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	715	0.045	ug/L #	20
15) Methyl Acetate	3.10	43	316536	35.214	ug/L #	56
16) Methylene chloride	3.06	84	3200	0.182	ug/L #	78
19) 1,1-Dichloroethane	3.72	63	3324	0.112	ug/L #	1
30) Cyclohexane	5.40	56	32267	1.369	ug/L	99
35) Methylcyclohexane	6.77	83	909	0.040	ug/L #	89
37) 1,2-Dichloropropane	6.70	63	8734	0.513	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	2287	0.098	ug/L #	82
44) trans-1,3-Dichloropropene	8.19	75	1417	0.066	ug/L #	75
53) m,p-Xylene	9.69	106	3181	0.129	ug/L	74
56) Isopropylbenzene	10.48	105	9375	0.147	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	13804	1.103	ug/L	89
67) 1,3,5-Trichlorobenzene	13.83	180	5733	0.252	ug/L	93
68) 1,2,4-trichlorobenzene	13.83	180	5733	0.326	ug/L	91
69) Naphthalene	14.08	128	1814	0.063	ug/L #	95
70) 1,2,3-Trichlorobenzene	14.32	180	1792	0.110	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 10 04:13:39 2020
Response via : Initial Calibration

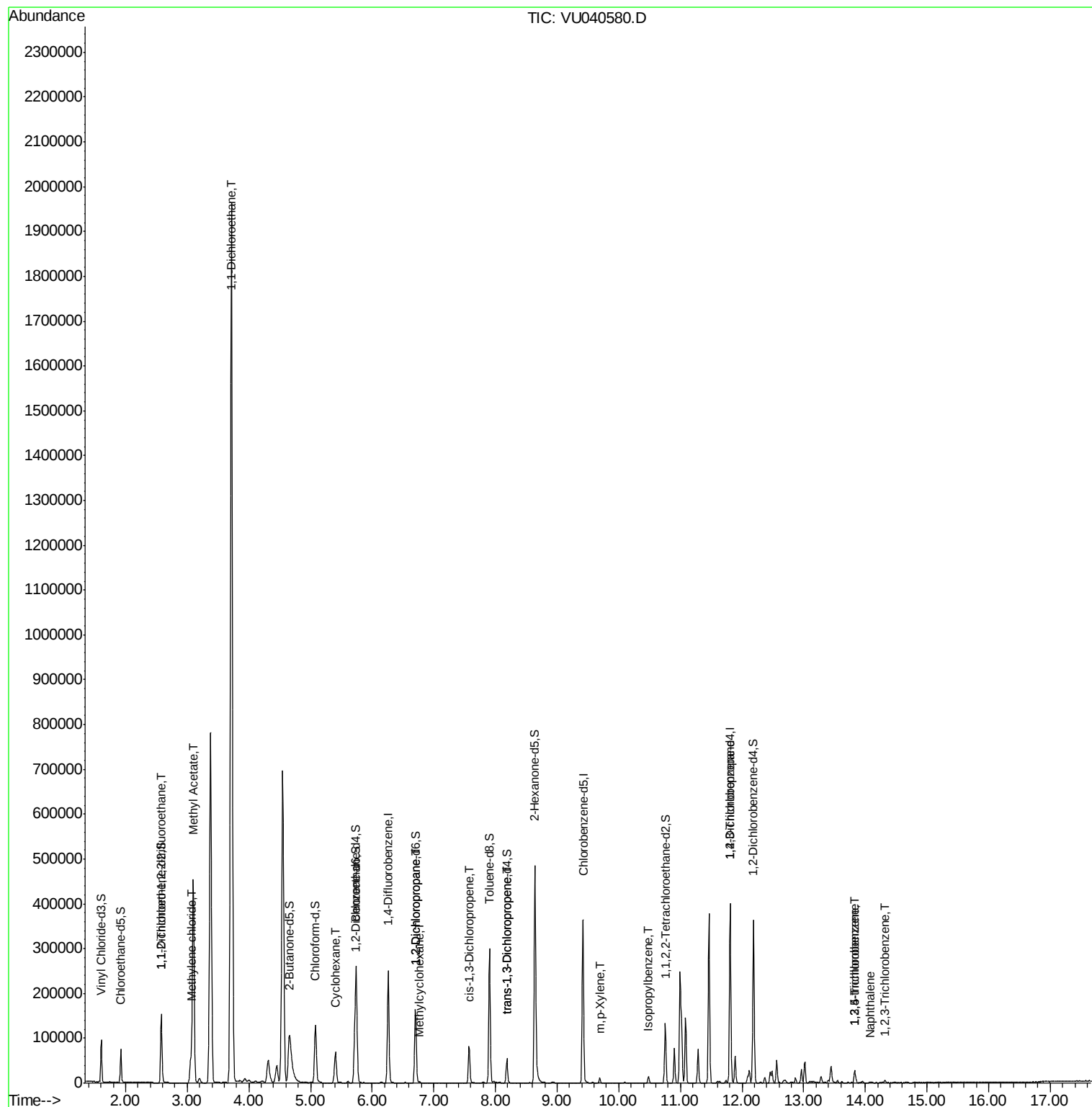
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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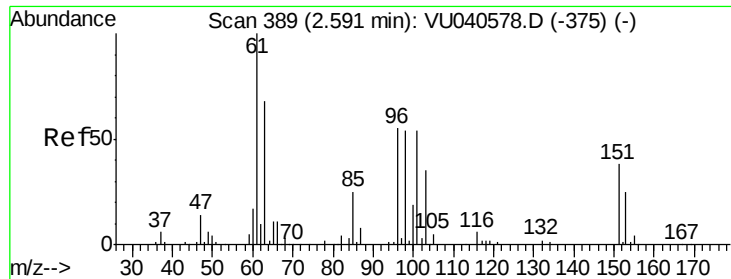
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040580.D

Acq: 09 Oct 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

BG3T0DL

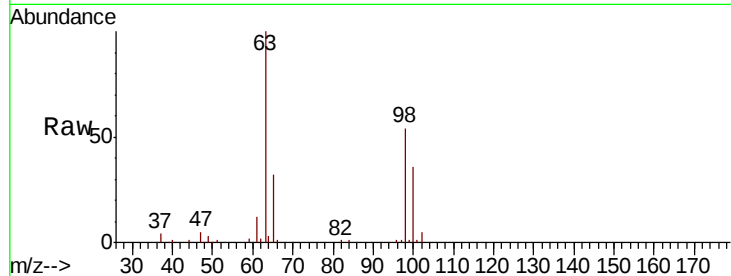
Tot Ion:101 Resp: 715

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

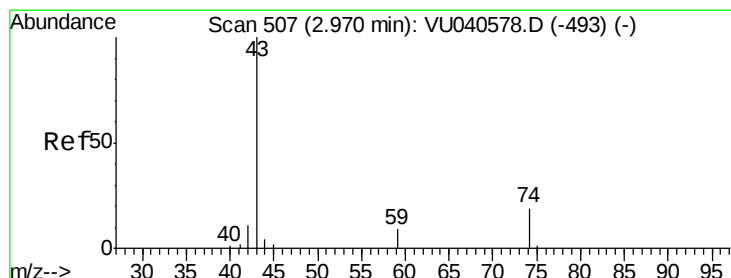
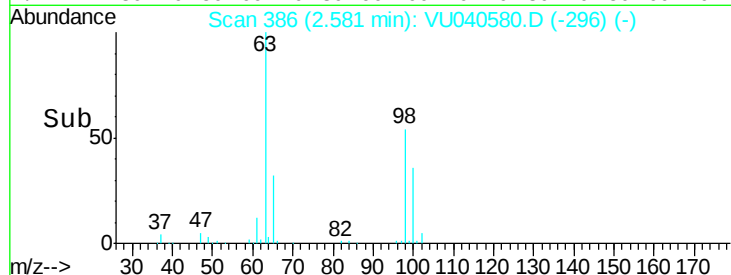
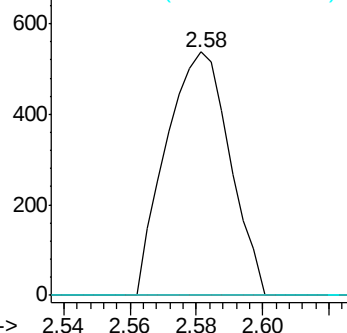
151 0.0 58.0 87.0#



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



#15

Methyl Acetate

Concen: 35.214 ug/L

RT: 3.10 min Scan# 547

Delta R.T. 0.13 min

Lab File: VU040580.D

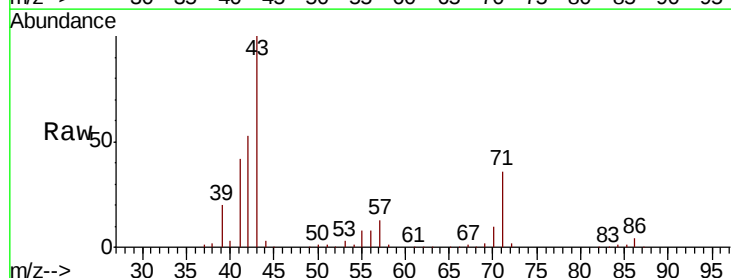
Acq: 09 Oct 2020 13:48

Tgt Ion: 43 Resp: 316536

Ion Ratio Lower Upper

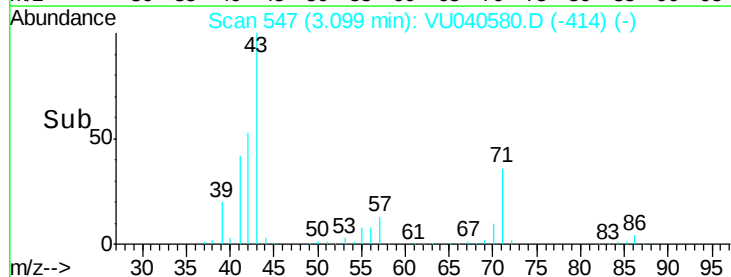
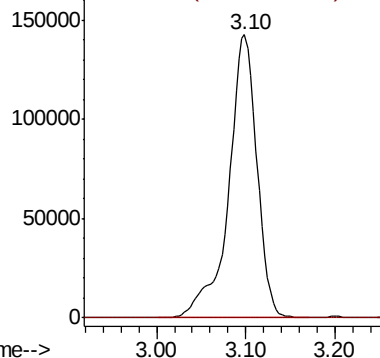
43 100

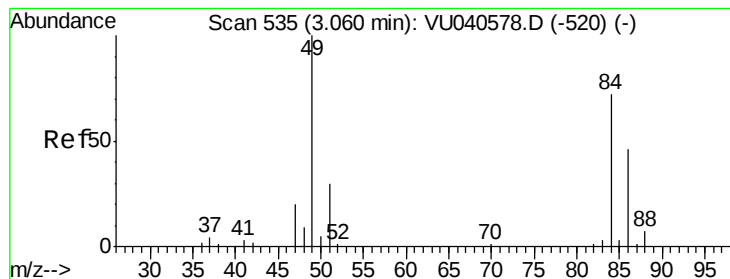
74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#16

Methylene chloride

Concen: 0.182 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040580.D

Acq: 09 Oct 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

BG3T0DL

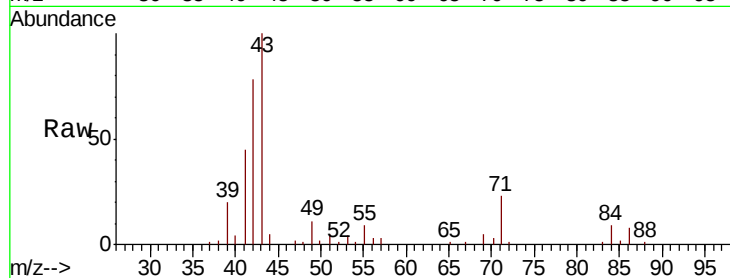
Tot Ion: 84 Resp: 3200

Ion Ratio Lower Upper

84 100

86 90.6 45.4 84.4#

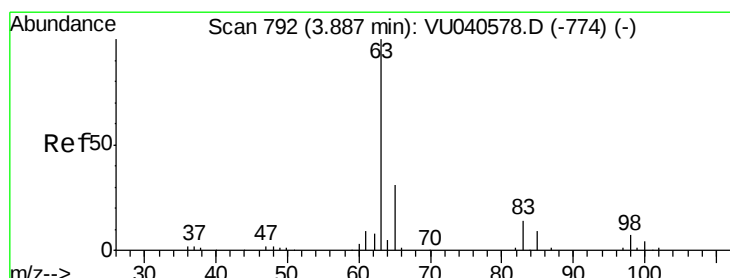
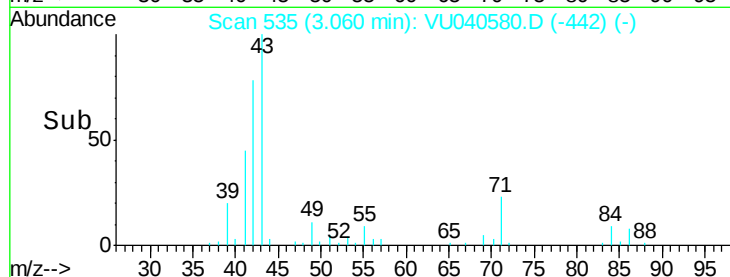
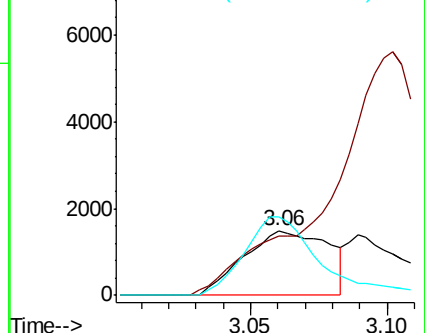
49 122.0 99.8 185.3



Abundance Ion 84.05 (83.75 to 84.75): VU040580.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040580.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU040580.D (-442) (-)



#19

1,1-Dichloroethane

Concen: 0.112 ug/L

RT: 3.72 min Scan# 741

Delta R.T. -0.16 min

Lab File: VU040580.D

Acq: 09 Oct 2020 13:48

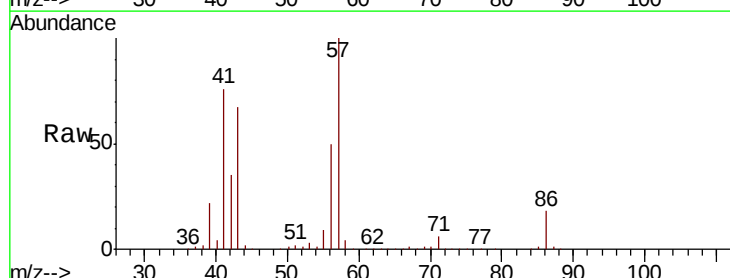
Tgt Ion: 63 Resp: 3324

Ion Ratio Lower Upper

63 100

65 101.4 21.9 40.7#

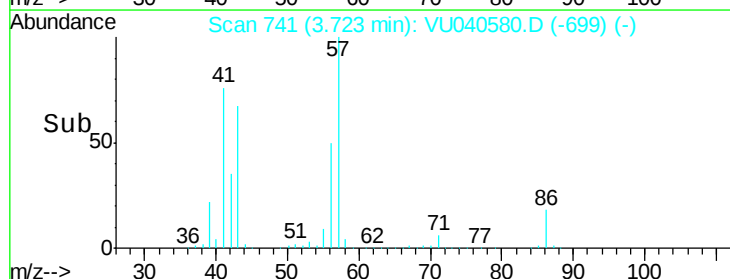
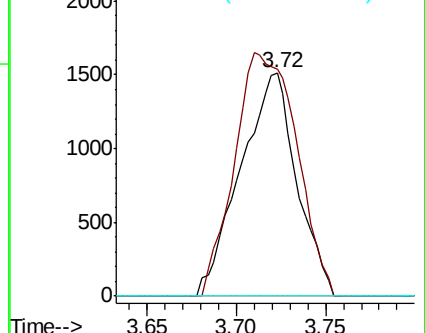
83 0.0 9.6 17.8#

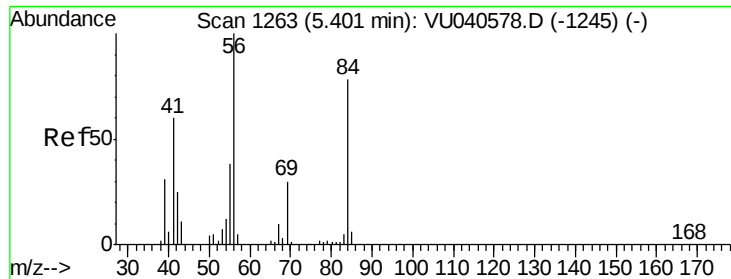


Abundance Ion 63.10 (62.80 to 63.80): VU040580.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040580.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040580.D (-699) (-)

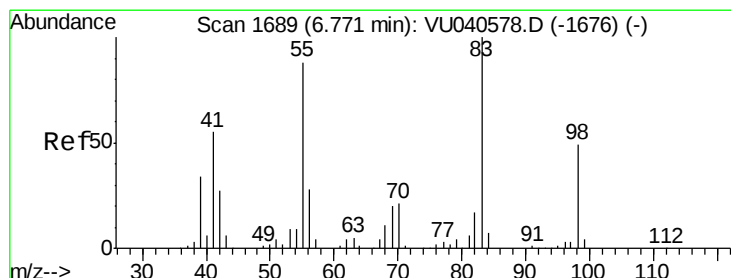
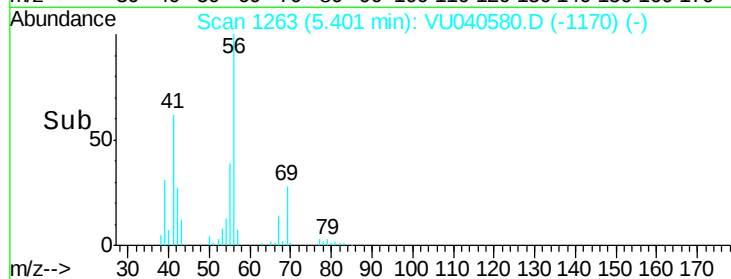
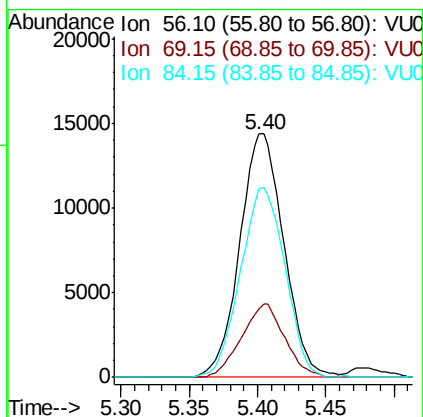
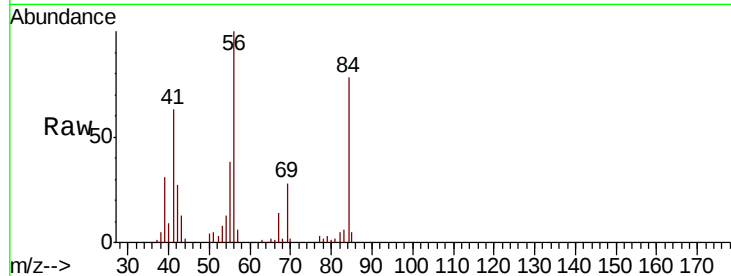




#30
Cyclohexane
Concen: 1.369 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU040580.D
Acq: 09 Oct 2020 13:48

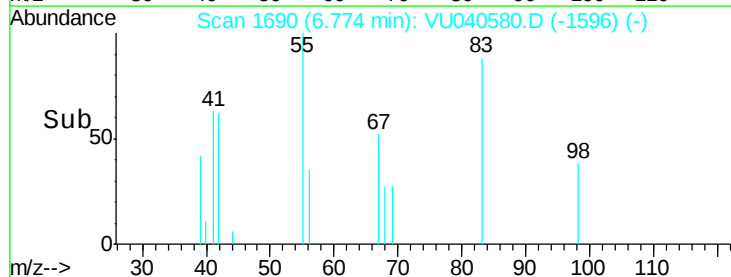
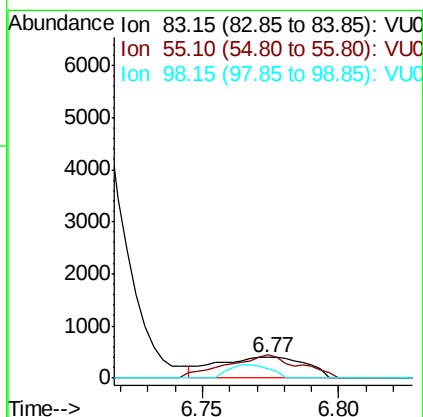
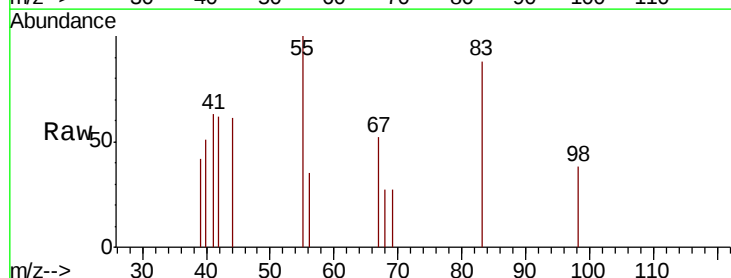
Instrument :
MSVOA_U
ClientSampleId :
BG3T0DL

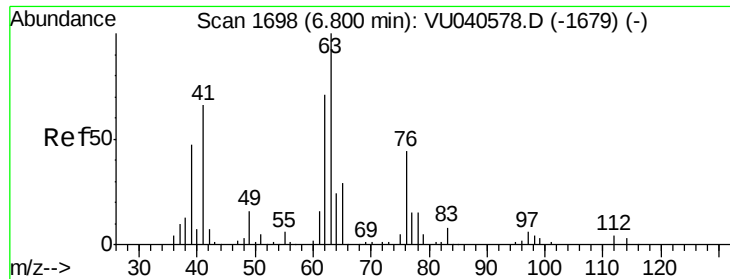
Tot Ion	56	Resp	32267
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.8
84	78.7	64.0	96.0



#35
Methylcyclohexane
Concen: 0.040 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040580.D
Acq: 09 Oct 2020 13:48

Tgt Ion	83	Resp	909
Ion	Ratio	Lower	Upper
83	100		
55	90.5	70.7	106.1
98	28.9	38.4	57.6

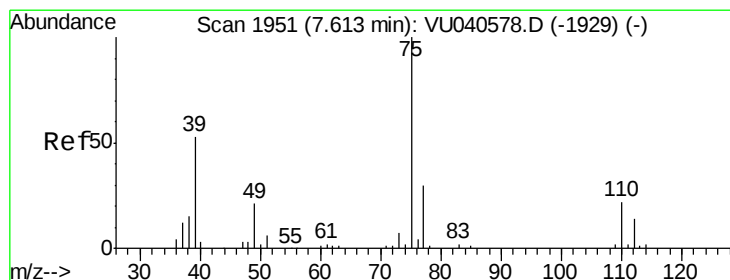
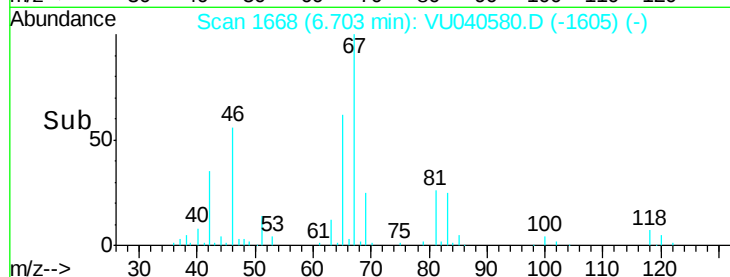
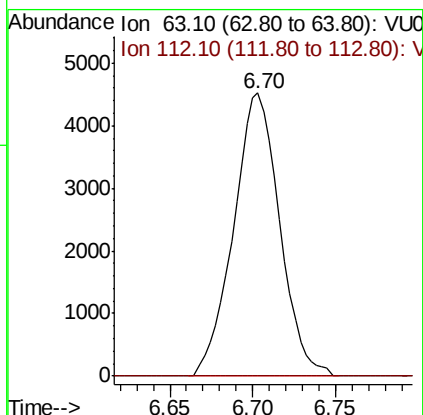
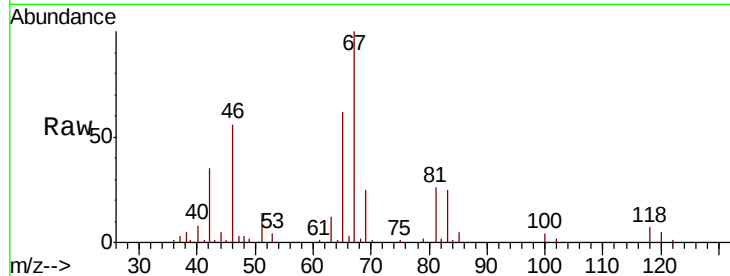




#37
 1,2-Dichloropropane
 Concen: 0.513 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040580.D
 Acq: 09 Oct 2020 13:48

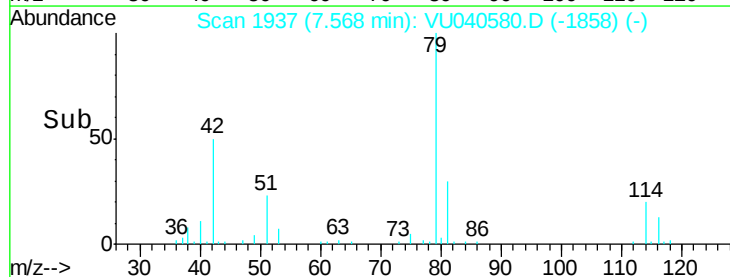
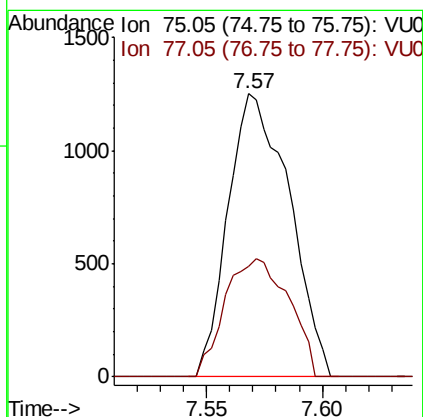
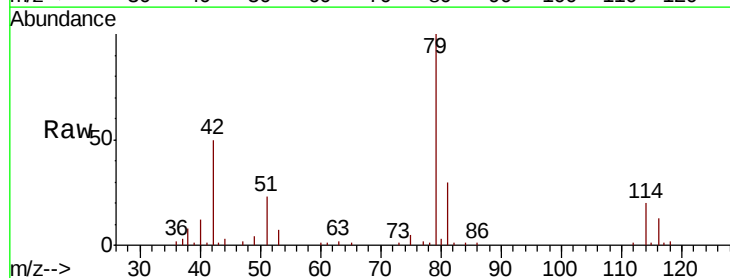
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3T0DL

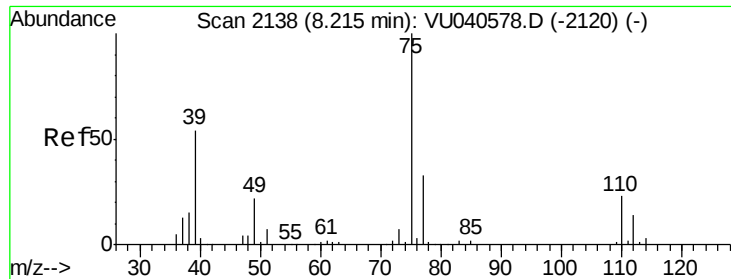
Tot Ion: 63 Resp: 8734
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU040580.D
 Acq: 09 Oct 2020 13:48

Tgt Ion: 75 Resp: 2287
 Ion Ratio Lower Upper
 75 100
 77 38.9 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040580.D

Acq: 09 Oct 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

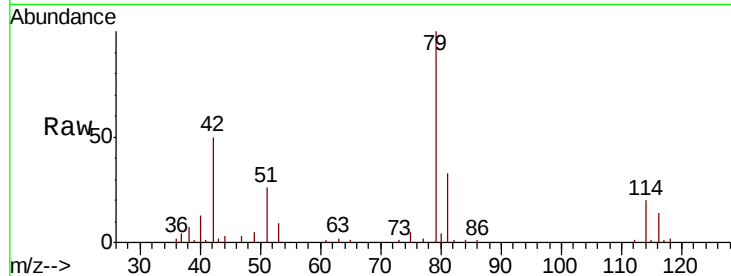
BG3T0DL

Tot Ion: 75 Resp: 1417

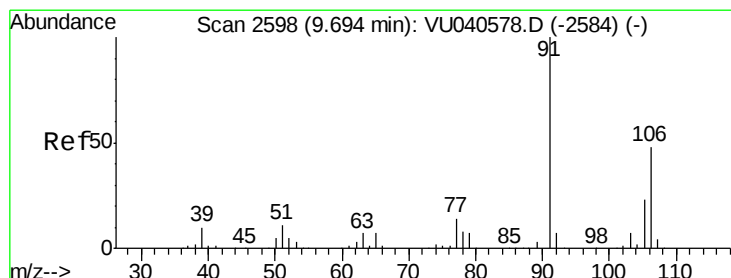
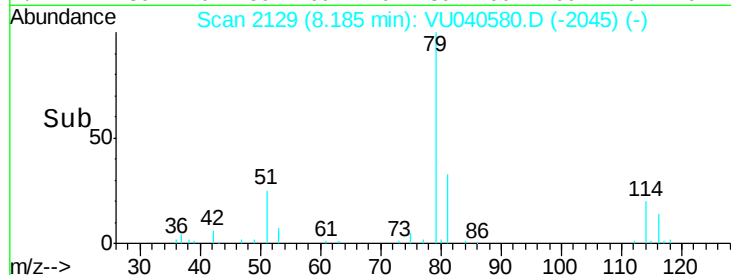
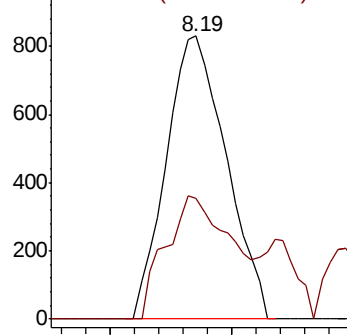
Ion Ratio Lower Upper

75 100

77 42.7 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040578.D (-2120) (-)



#53

m,p-Xylene

Concen: 0.129 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040580.D

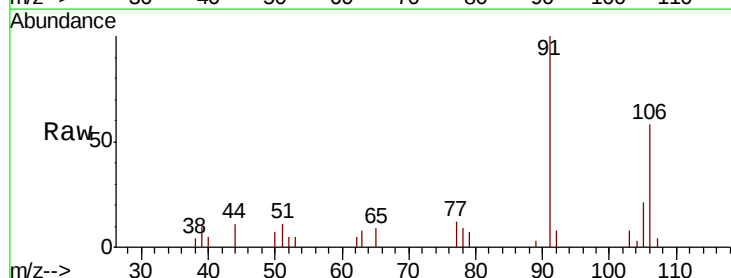
Acq: 09 Oct 2020 13:48

Tgt Ion: 106 Resp: 3181

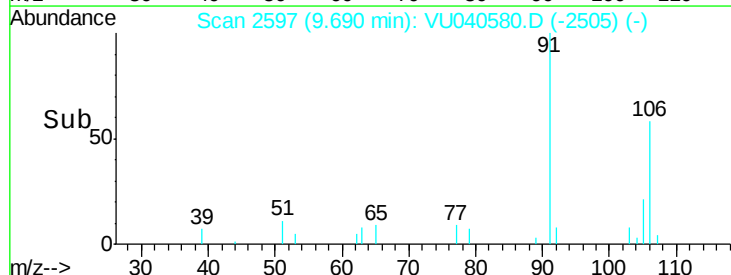
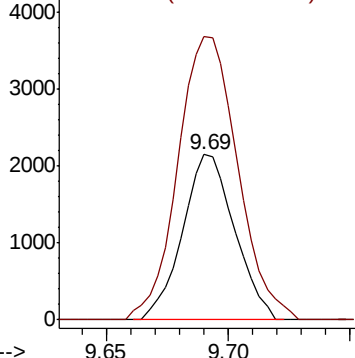
Ion Ratio Lower Upper

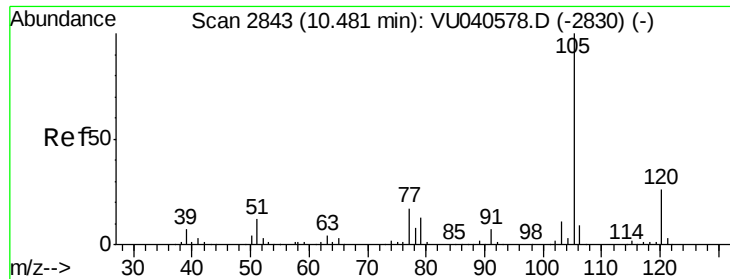
106 100

91 171.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040578.D (-2584) (-)





#56

Isopropylbenzene

Concen: 0.147 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040580.D

Acq: 09 Oct 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

BG3T0DL

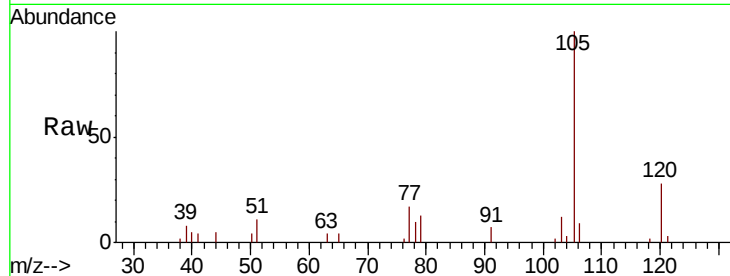
Tot Ion:105 Resp: 9375

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8

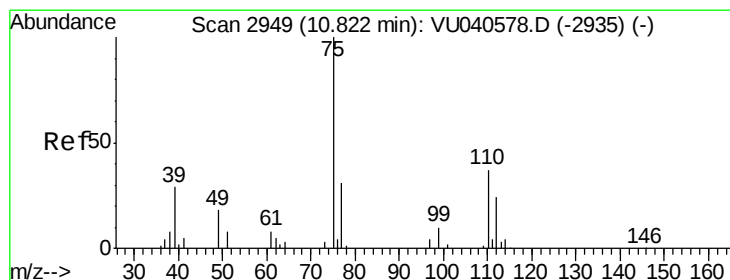
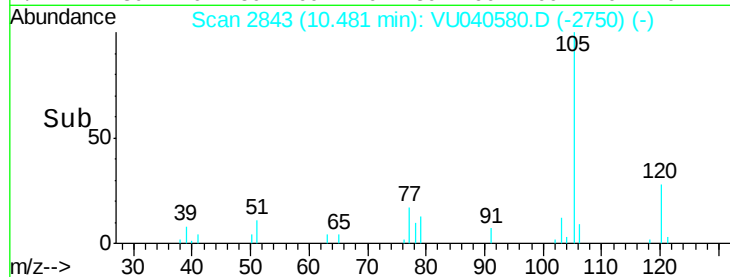
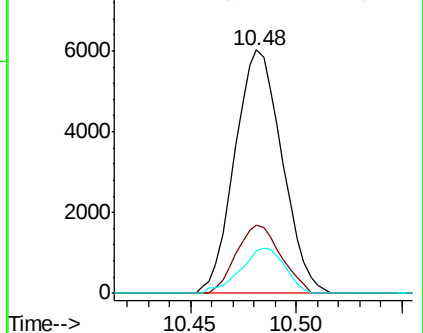
77 17.5 13.8 20.6



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): V



#59

1,2,3-Trichloropropane

Concen: 1.103 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040580.D

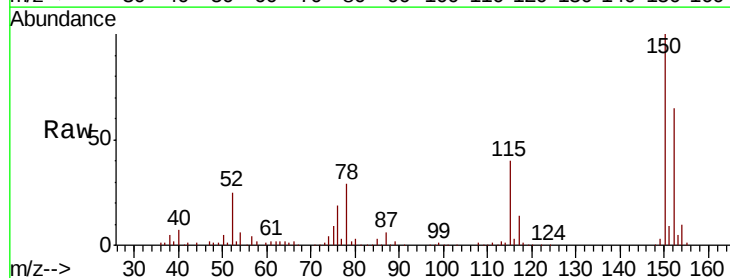
Acq: 09 Oct 2020 13:48

Tgt Ion: 75 Resp: 13804

Ion Ratio Lower Upper

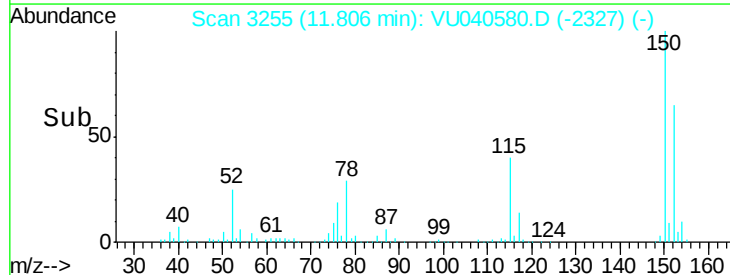
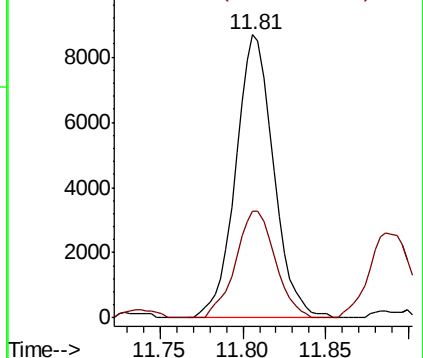
75 100

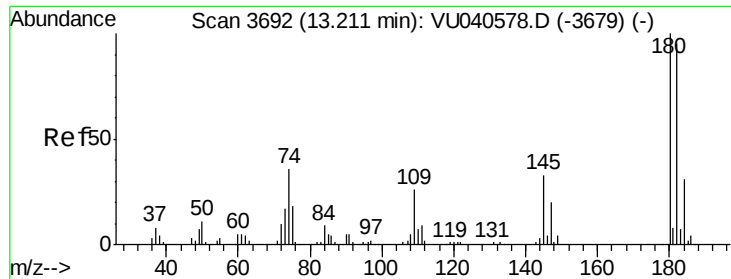
77 39.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

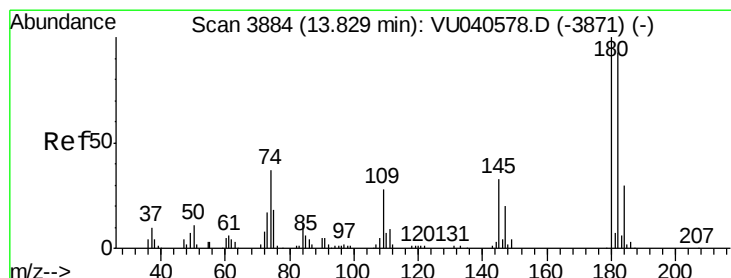
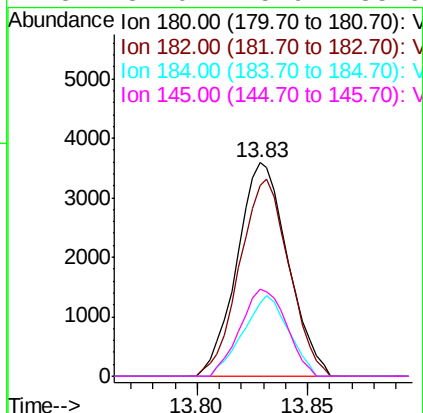
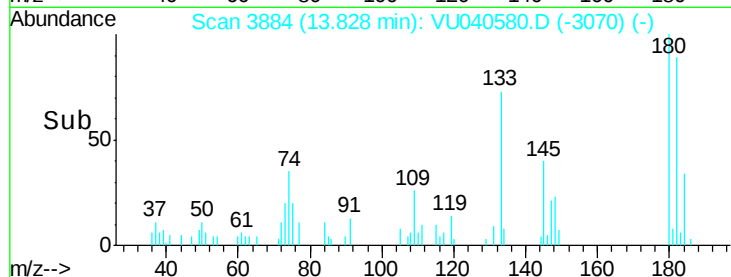
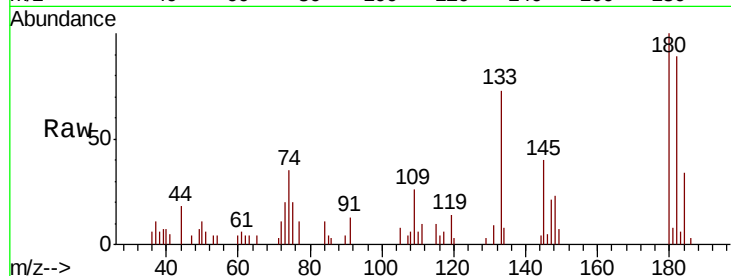




#67
 1,3,5-Trichlorobenzene
 Concen: 0.252 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.62 min
 Lab File: VU040580.D
 Acq: 09 Oct 2020 13:48

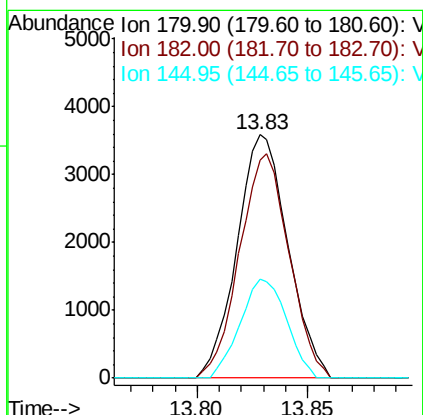
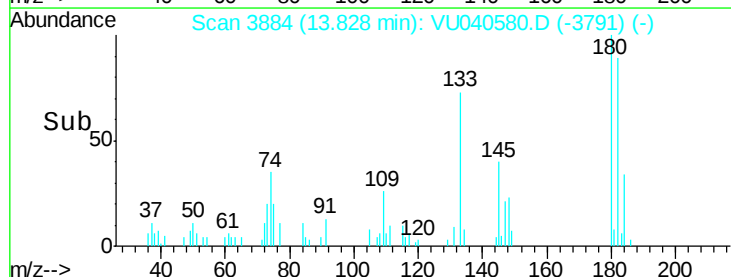
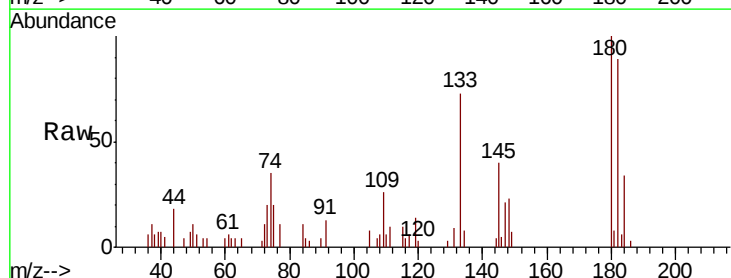
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3T0DL

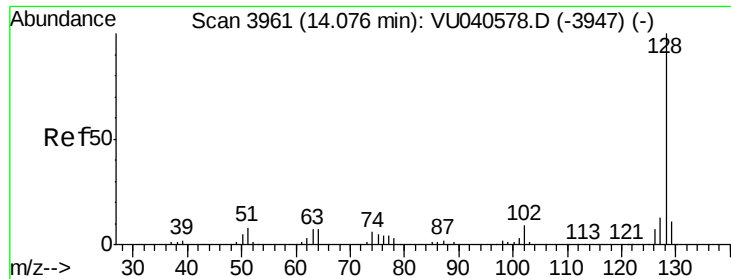
Tot Ion:180	Resp:	5733	
Ion Ratio	Lower	Upper	
180 100			
182 89.6	77.0	115.4	
184 33.5	24.5	36.7	
145 37.0	25.9	38.9	



#68
 1,2,4-trichlorobenzene
 Concen: 0.326 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040580.D
 Acq: 09 Oct 2020 13:48

Tgt Ion:180	Resp:	5733
Ion Ratio	Lower	Upper
180 100		
182 89.6	78.8	118.2
145 37.0	26.1	39.1





#69

Naphthalene

Concen: 0.063 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040580.D

Acq: 09 Oct 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

BG3T0DL

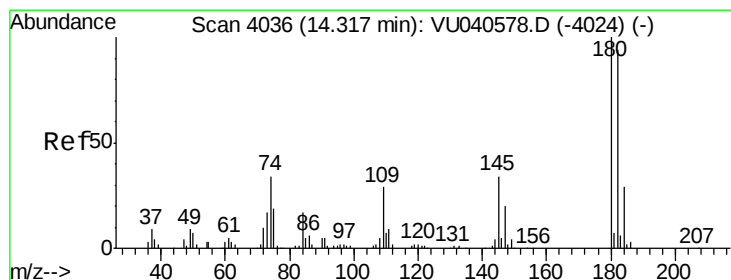
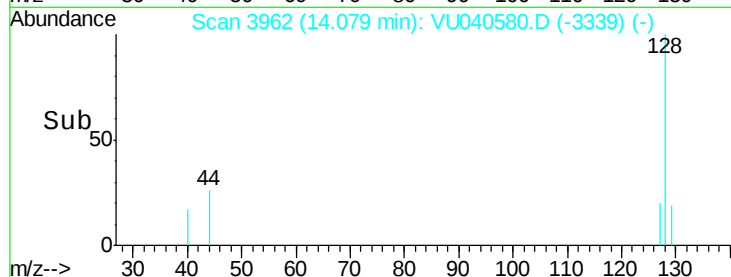
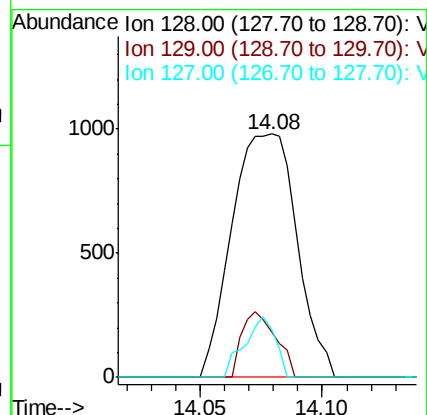
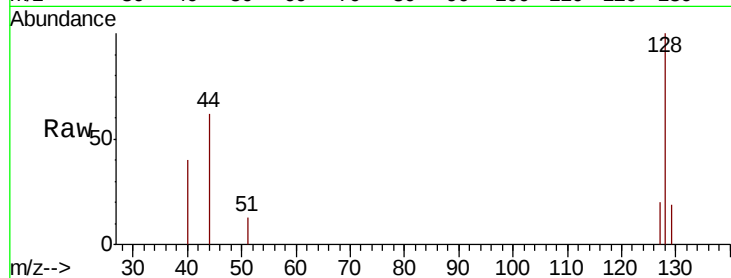
Tot Ion:128 Resp: 1814

Ion Ratio Lower Upper

128 100

129 14.1 9.0 13.4#

127 11.7 10.2 15.4



#70

1,2,3-Trichlorobenzene

Concen: 0.110 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040580.D

Acq: 09 Oct 2020 13:48

Tgt Ion:180 Resp: 1792

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.8

145 34.4 27.4 41.2

