

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040238.D
 Acq On : 21 Sep 2020 16:58
 Operator : SY/MD
 Sample : L4046-13DL 500X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q1DL

Quant Time: Sep 22 07:16:13 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	123401	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123391	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57033	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	27842	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	27838	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.58	63	48500	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	4.66	46	166505	61.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.58%
24) Chloroform-d	5.08	84	78278	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.72	65	51432	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.75	84	138859	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	48664	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	110660	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.19	79	21160	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	124665	60.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48379	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51962	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	330	0.046 ug/L #	42
16) Methylene chloride	3.06	84	1644	0.131 ug/L	70
25) Chloroform	5.10	83	3829	0.177 ug/L	85
27) 1,2-Dichloroethane	5.79	62	3950	0.249 ug/L #	78
33) Benzene	5.79	78	381287	8.638 ug/L	100
35) Methylcyclohexane	6.71	83	11391	0.628 ug/L #	15
37) 1,2-Dichloropropane	6.70	63	5950	0.498 ug/L #	88
42) Toluene	7.98	91	50551	1.112 ug/L	96
44) trans-1,3-Dichloropropene	8.18	75	810	0.050 ug/L #	38
48) 2-Hexanone	8.64	43	18230	2.548 ug/L #	77
51) Chlorobenzene	9.45	112	38948	1.380 ug/L	96
52) Ethylbenzene	9.57	91	38307	0.742 ug/L	99
53) m,p-Xylene	9.69	106	93244	5.070 ug/L	99
54) o-Xylene	10.10	106	20085	1.146 ug/L	99
56) Isopropylbenzene	10.48	105	4069	0.085 ug/L	93
59) 1,2,3-Trichloropropane	10.10	75	732	0.083 ug/L #	1
63) 1,4-Dichlorobenzene	11.83	146	1879	0.089 ug/L	98

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

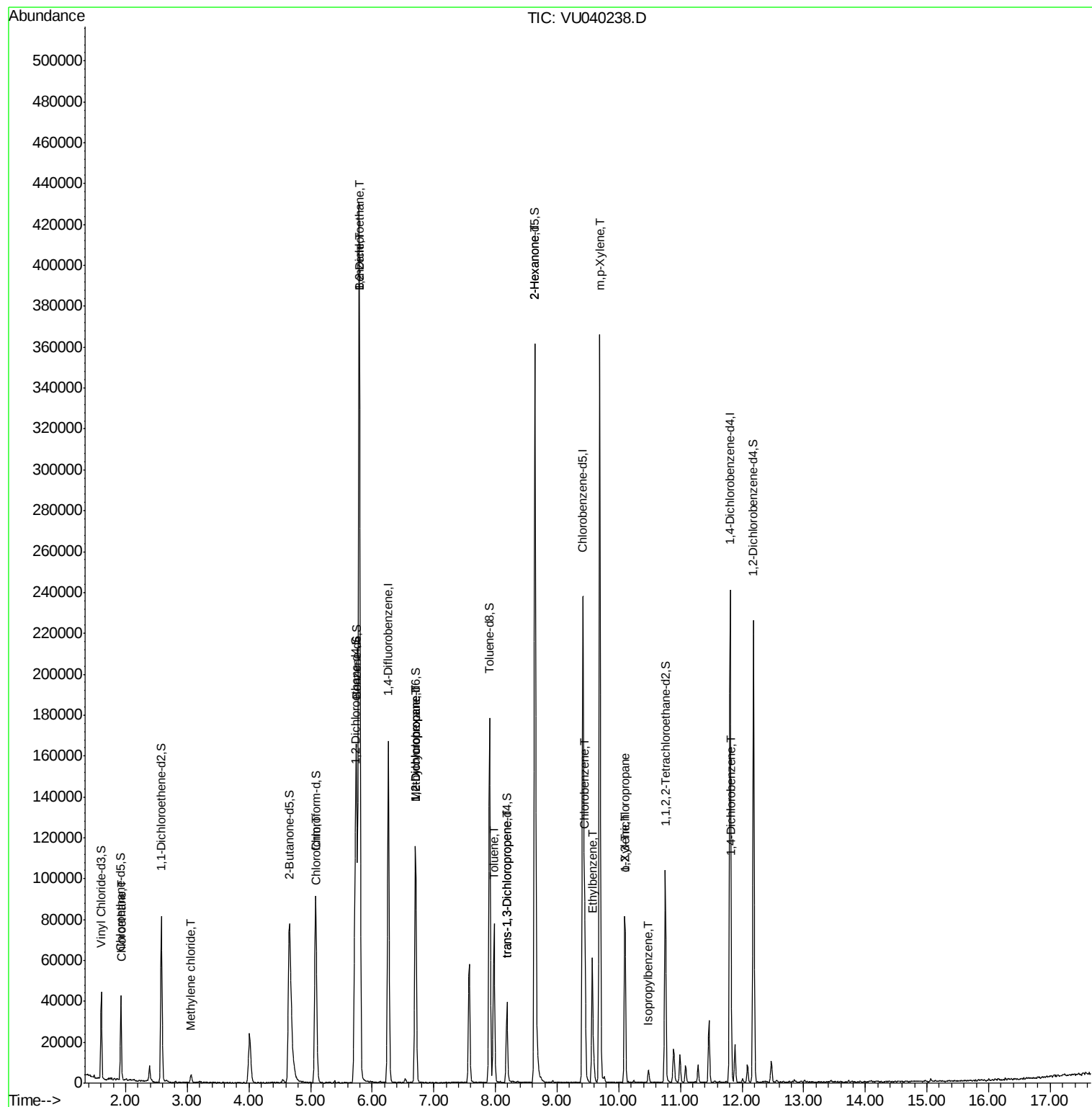
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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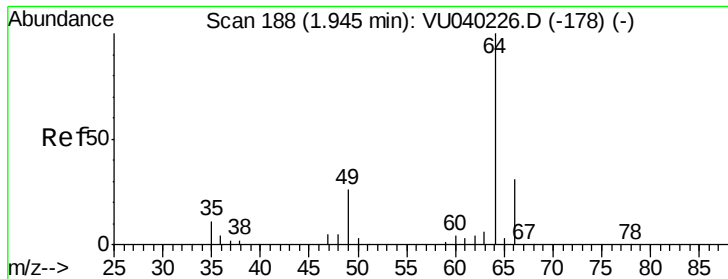
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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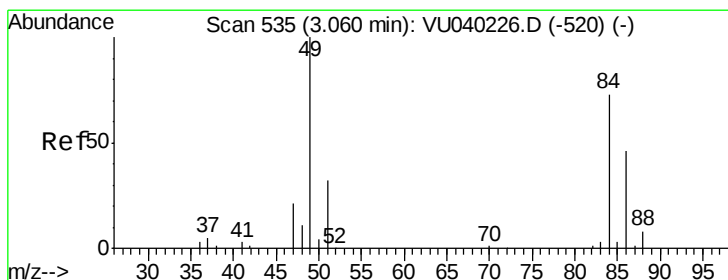
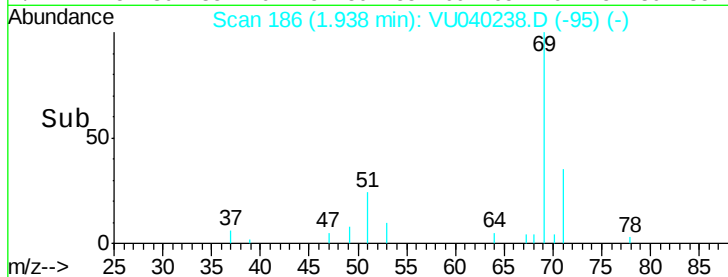
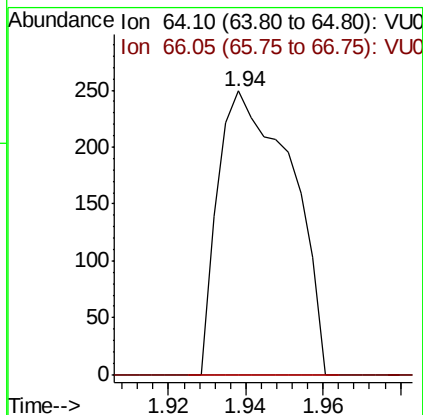
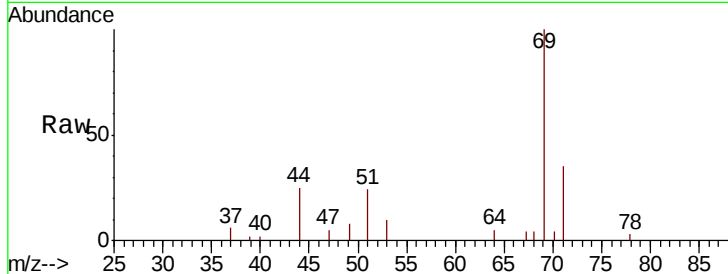




#8
Chloroethane
Concen: 0.046 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

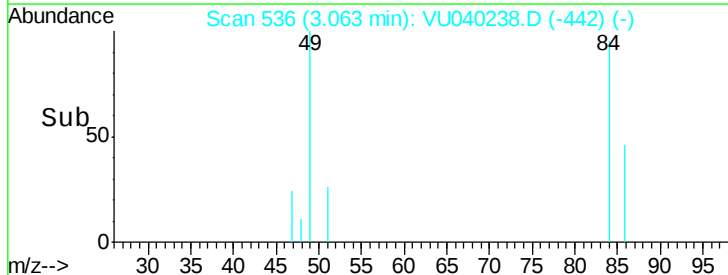
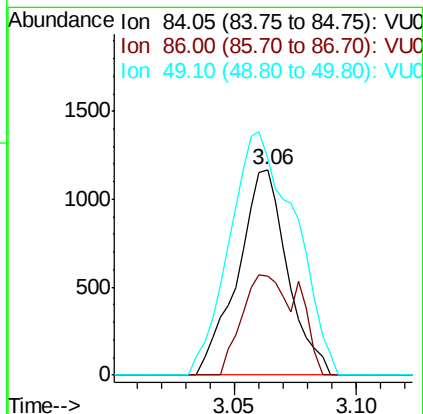
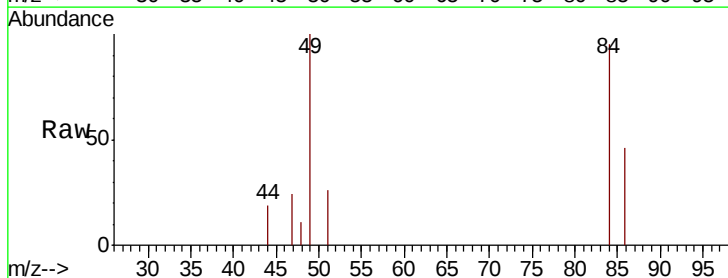
Instrument :
MSVOA_U
ClientSampleId :
BG0Q1DL

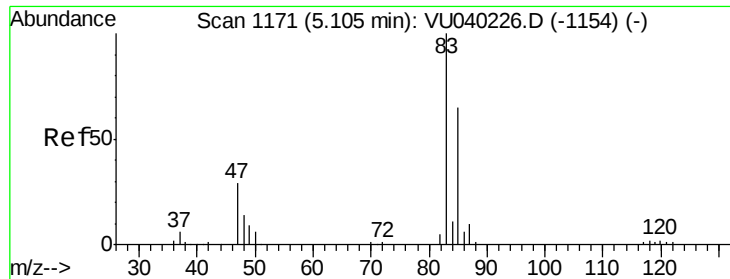
Tot Ion: 64 Resp: 330
Ion Ratio Lower Upper
64 100
66 0.0 22.7 42.1#



#16
Methylene chloride
Concen: 0.131 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

Tgt Ion: 84 Resp: 1644
Ion Ratio Lower Upper
84 100
86 48.4 45.2 84.0
49 105.1 104.0 193.2

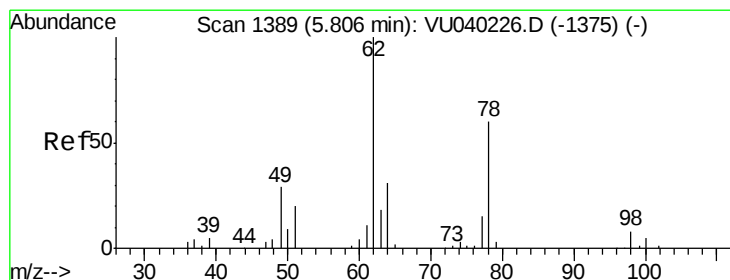
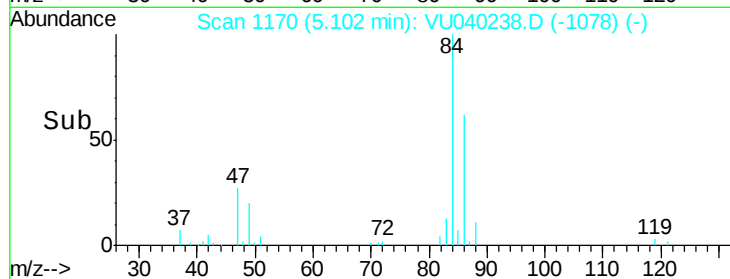
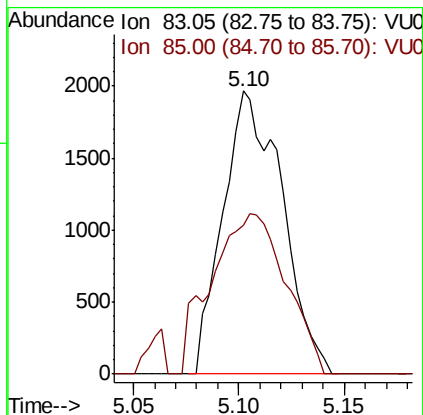
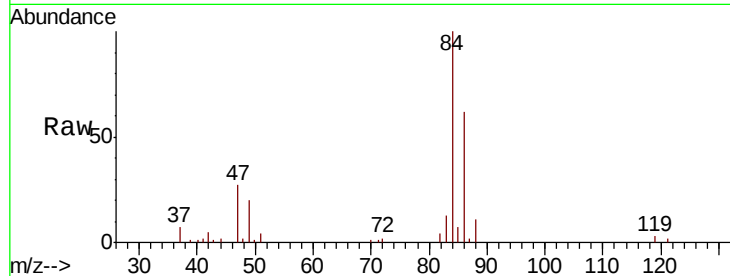




#25
Chloroform
Concen: 0.177 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

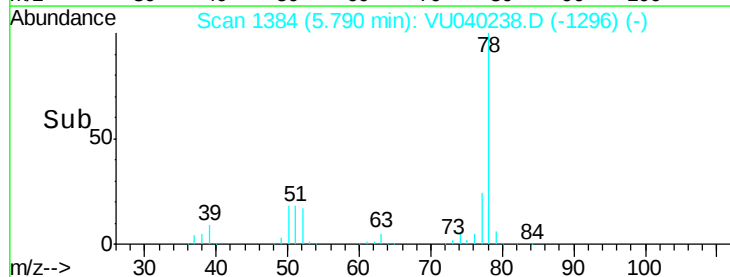
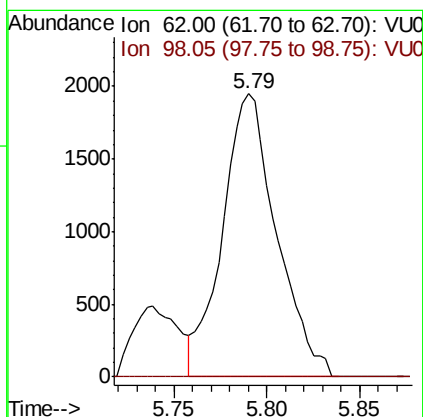
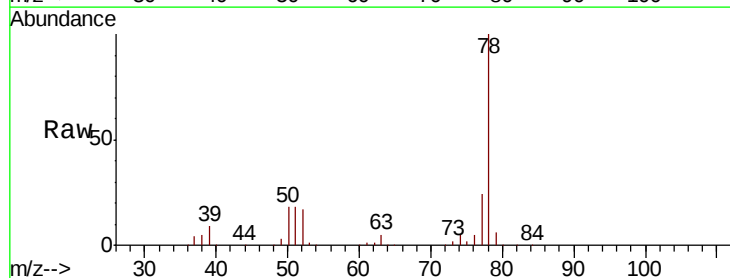
Instrument :
MSVOA_U
ClientSampleId :
BG0Q1DL

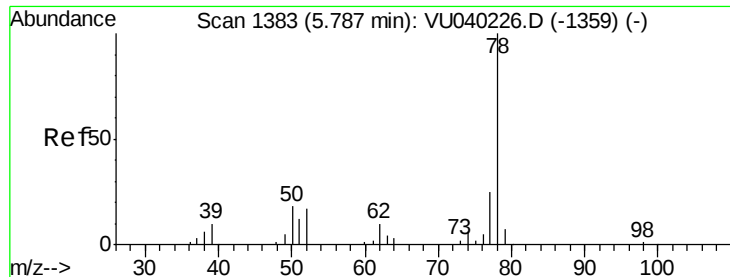
Tot Ion: 83 Resp: 3829
Ion Ratio Lower Upper
83 100
85 52.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.249 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

Tgt Ion: 62 Resp: 3950
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#

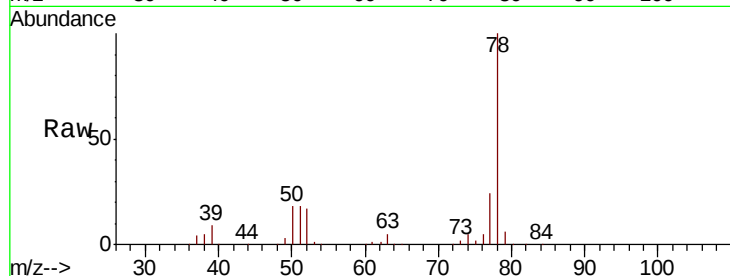




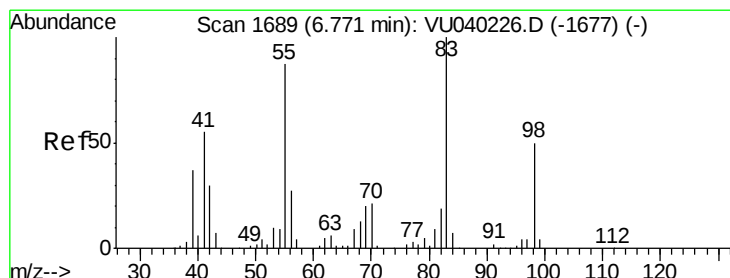
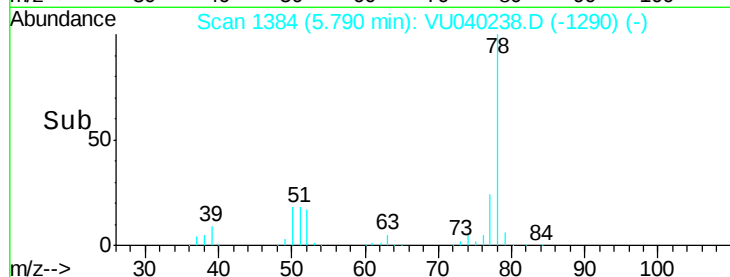
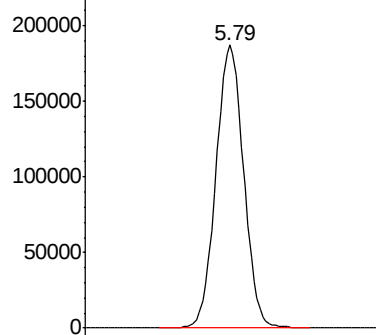
#33
Benzene
Concen: 8.638 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

Instrument :
MSVOA_U
ClientSampleID :
BG0Q1DL

Tgt Ion: 78 Resp: 381287

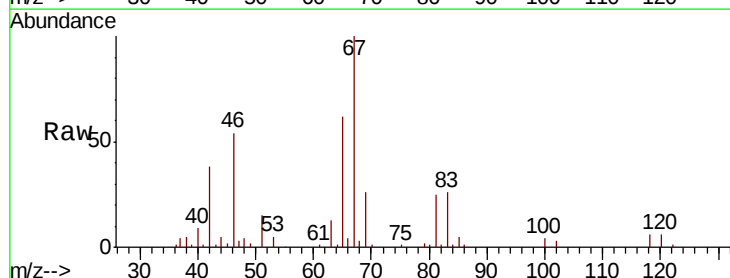


Abundance Ion 78.10 (77.80 to 78.80): VU0



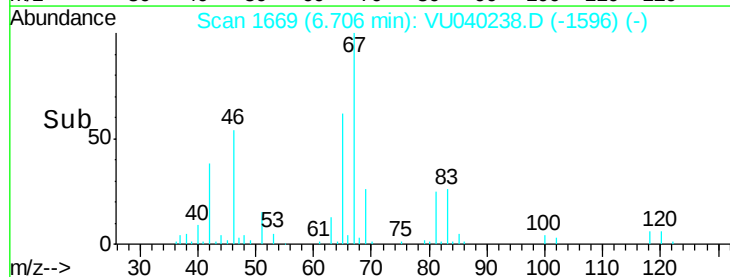
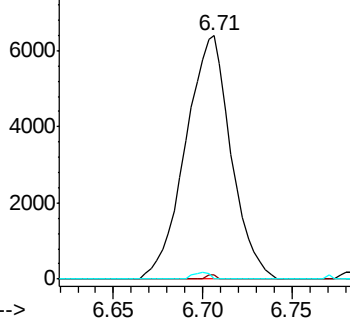
#35
Methylcyclohexane
Concen: 0.628 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.06 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

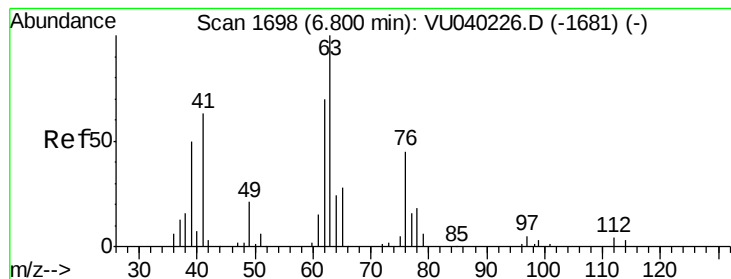
Tgt Ion: 83 Resp: 11391
Ion Ratio Lower Upper
83 100
55 0.3 70.5 105.7#
98 1.0 37.8 56.6#



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: 0.498 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040238.D

Acq: 21 Sep 2020 16:58

Instrument :

MSVOA_U

ClientSampleId :

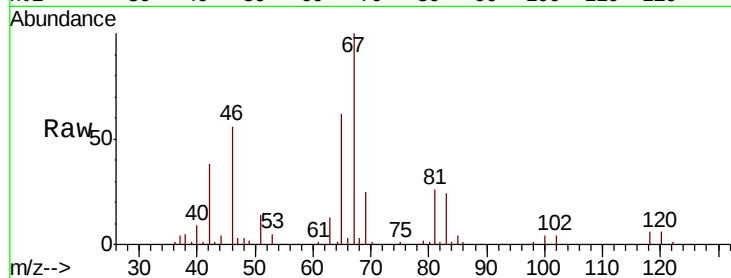
BG0Q1DL

Tot Ion: 63 Resp: 5950

Ion Ratio Lower Upper

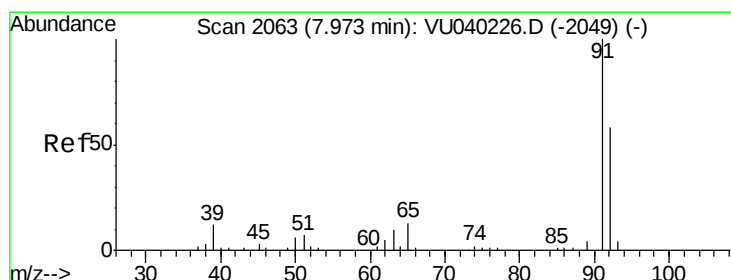
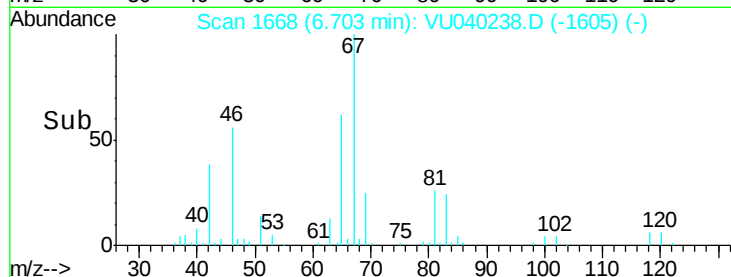
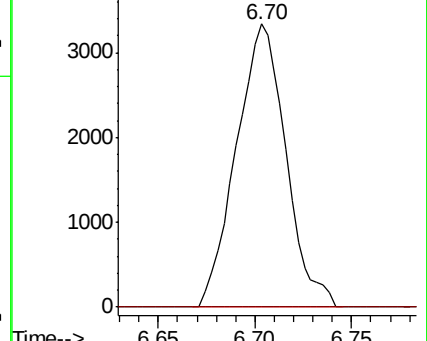
63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040226.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040226.D (-1681) (-)



#42

Toluene

Concen: 1.112 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040238.D

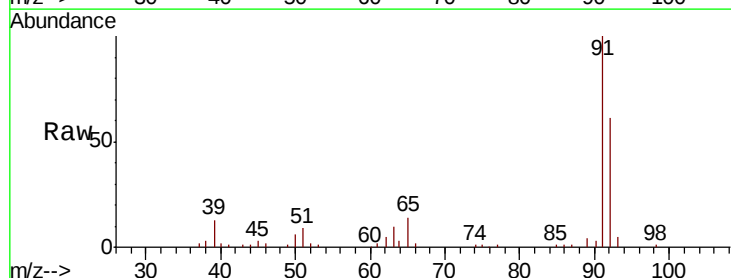
Acq: 21 Sep 2020 16:58

Tgt Ion: 91 Resp: 50551

Ion Ratio Lower Upper

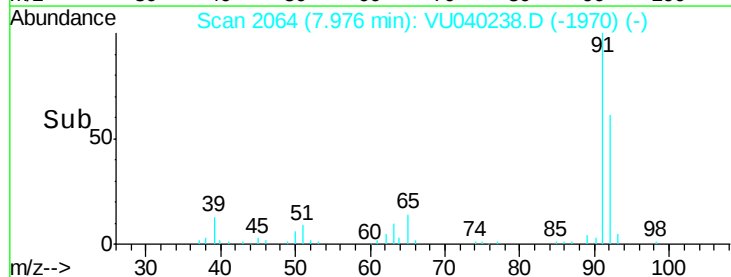
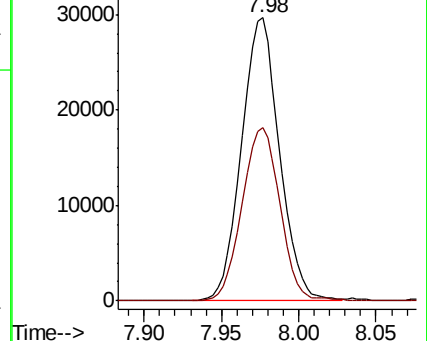
91 100

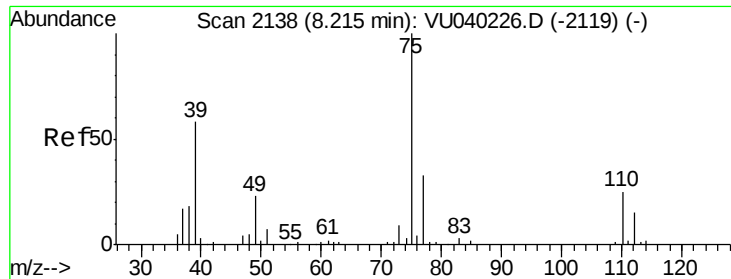
92 61.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040226.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040226.D (-2049) (-)

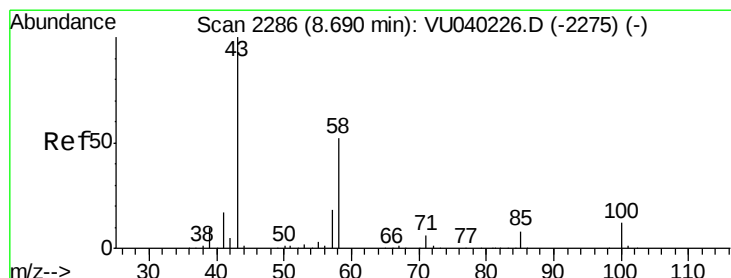
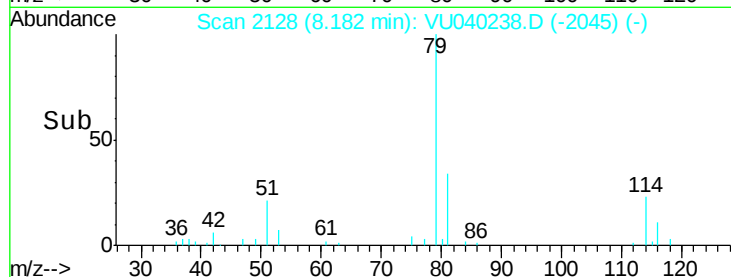
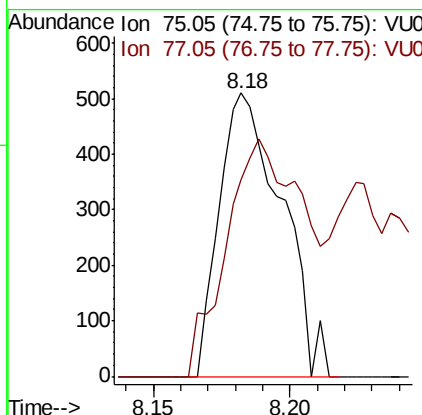
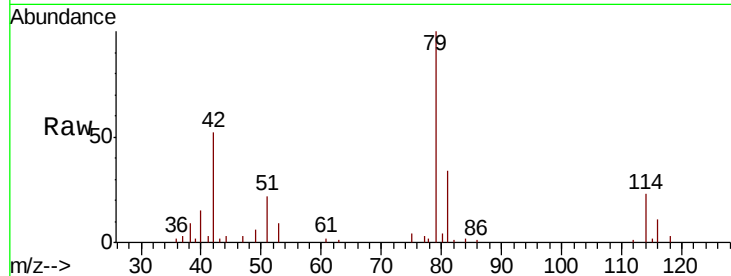




#44
trans-1,3-Dichloropropene
Concen: 0.050 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

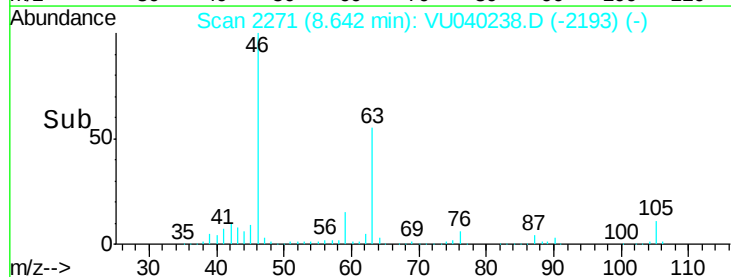
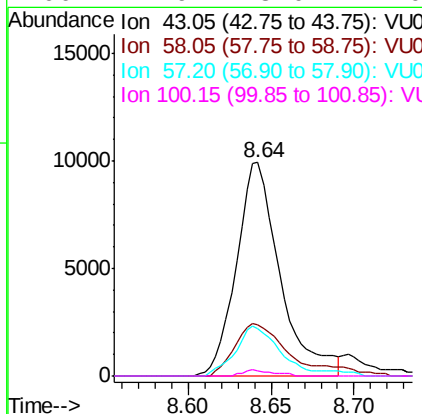
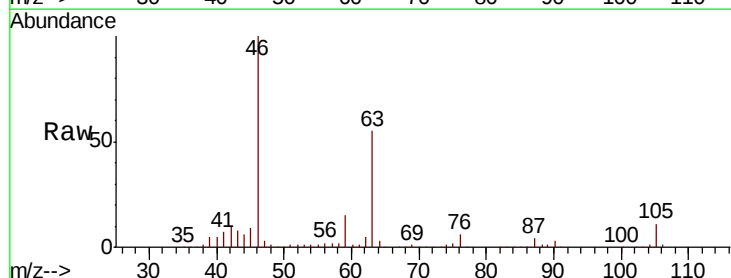
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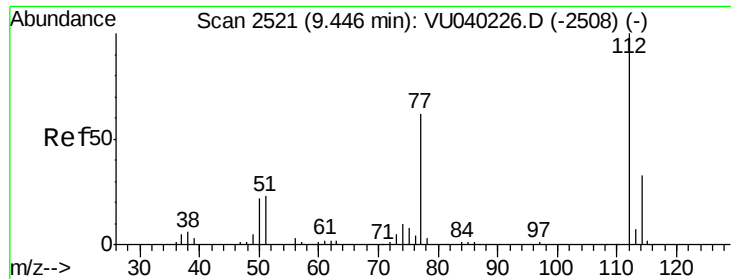
Tot Ion: 75 Resp: 810
Ion Ratio Lower Upper
75 100
77 69.6 23.9 44.3#



#48
2-Hexanone
Concen: 2.548 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

Tgt Ion: 43 Resp: 18230
Ion Ratio Lower Upper
43 100
58 31.4 39.6 59.4#
57 23.2 14.3 21.5#
100 1.9 8.0 12.0#

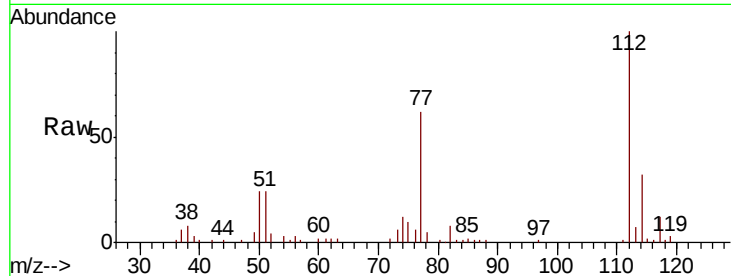




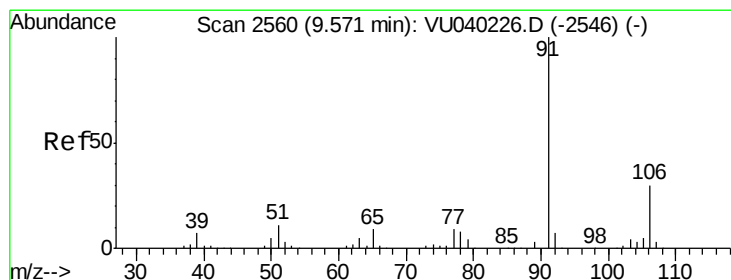
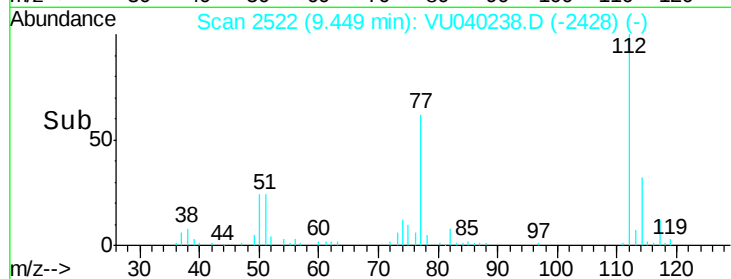
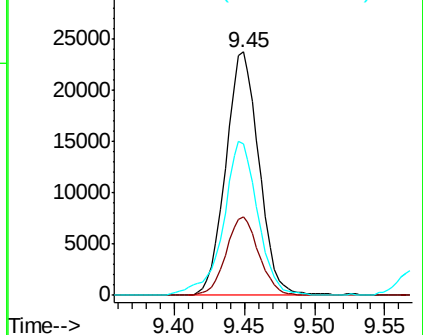
#51
Chlorobenzene
Concen: 1.380 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

Instrument :
MSVOA_U
ClientSampleId :
BG0Q1DL

Tot Ion:112 Resp: 38948
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.3
77 62.4 53.2 79.8

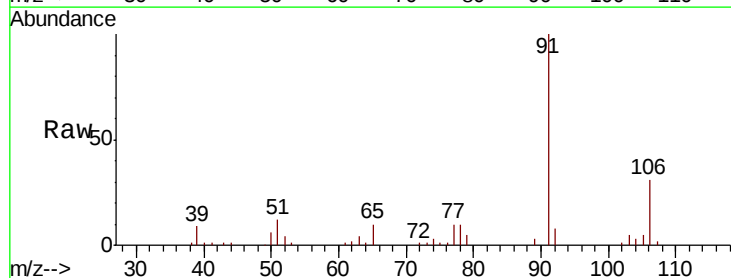


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

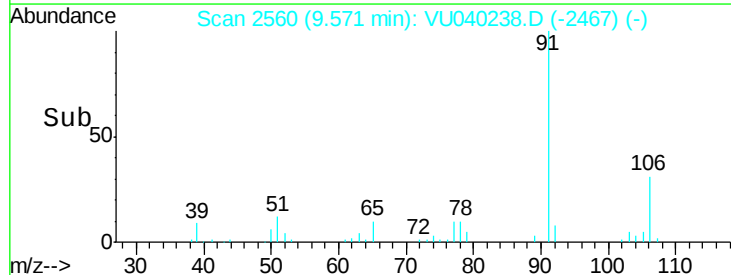
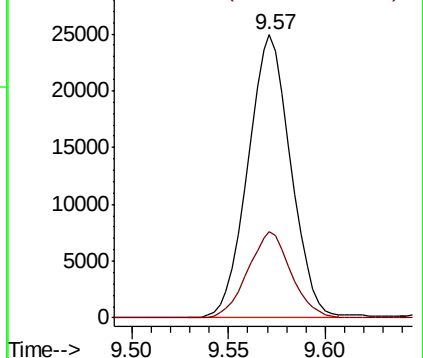


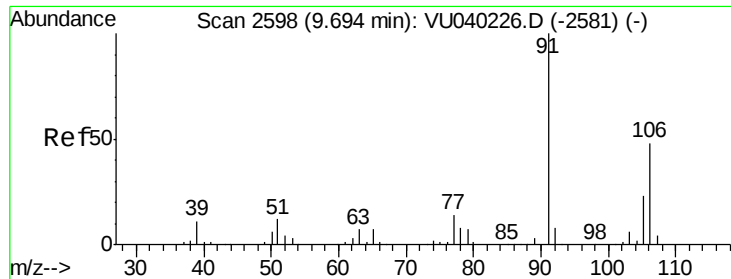
#52
Ethylbenzene
Concen: 0.742 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040238.D
Acq: 21 Sep 2020 16:58

Tgt Ion: 91 Resp: 38307
Ion Ratio Lower Upper
91 100
106 30.6 21.0 39.0



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





#53

m,p-Xylene

Concen: 5.070 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040238.D

Acq: 21 Sep 2020 16:58

Instrument :

MSVOA_U

ClientSampleId :

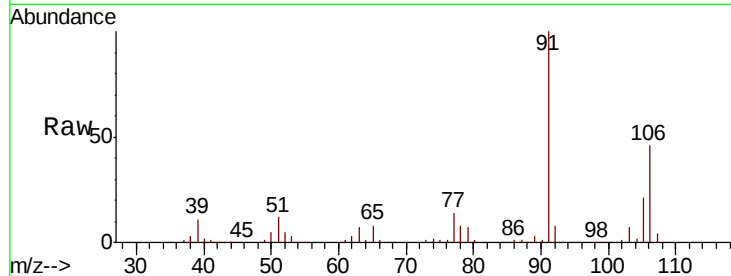
BG0Q1DL

Tot Ion:106 Resp: 93244

Ion Ratio Lower Upper

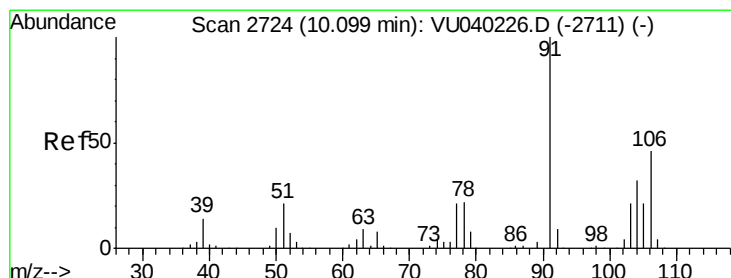
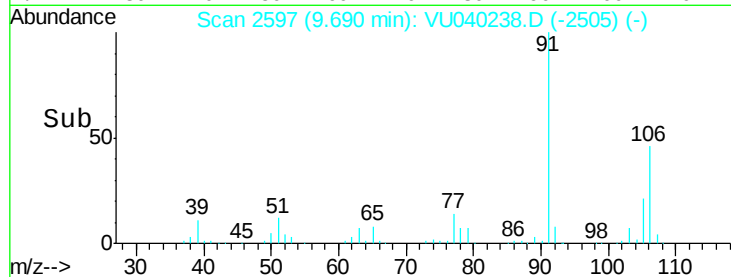
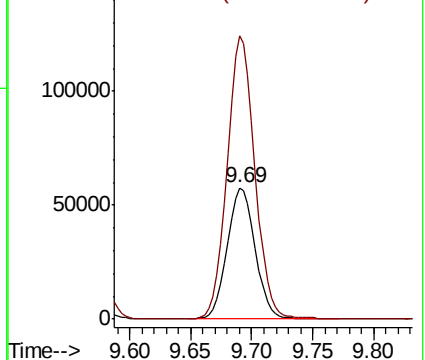
106 100

91 215.4 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.146 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040238.D

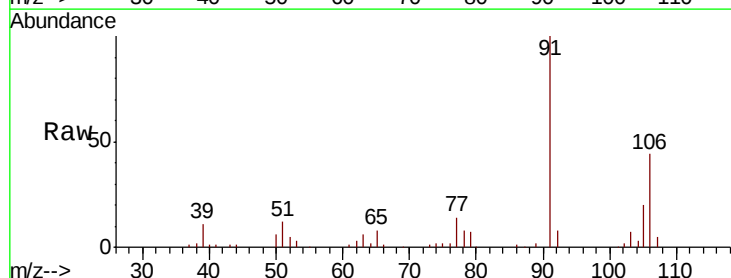
Acq: 21 Sep 2020 16:58

Tgt Ion:106 Resp: 20085

Ion Ratio Lower Upper

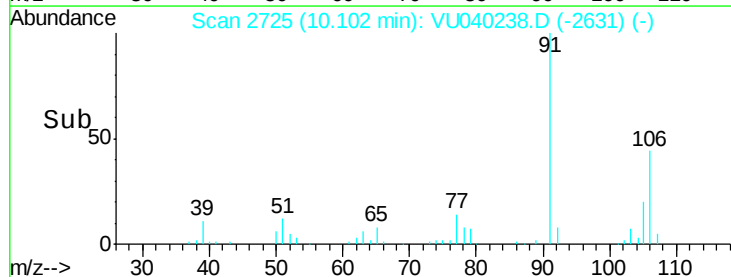
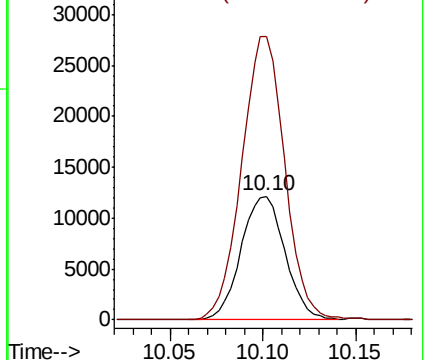
106 100

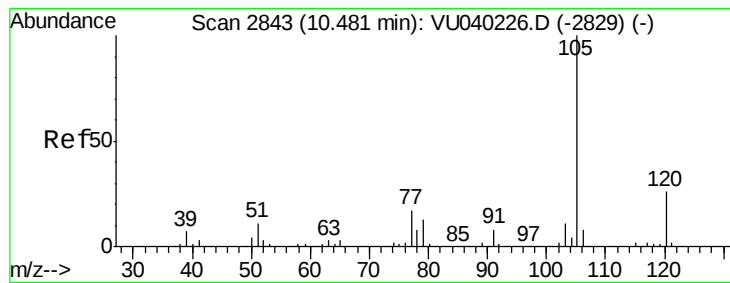
91 228.6 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.085 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040238.D

Acq: 21 Sep 2020 16:58

Instrument :

MSVOA_U

ClientSampleID :

BG0Q1DL

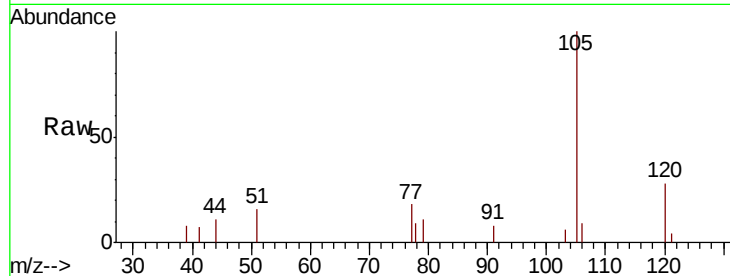
Tot Ion: 105 Resp: 4069

Ion Ratio Lower Upper

105 100

120 30.0 20.1 30.1

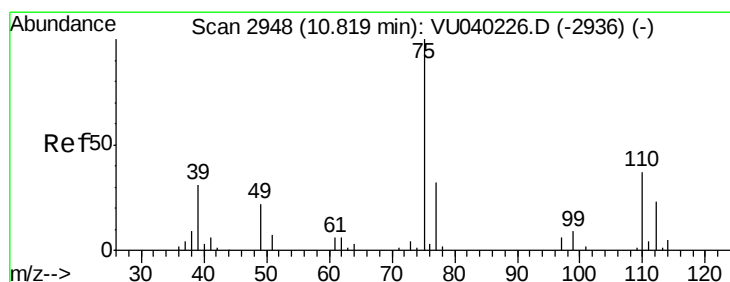
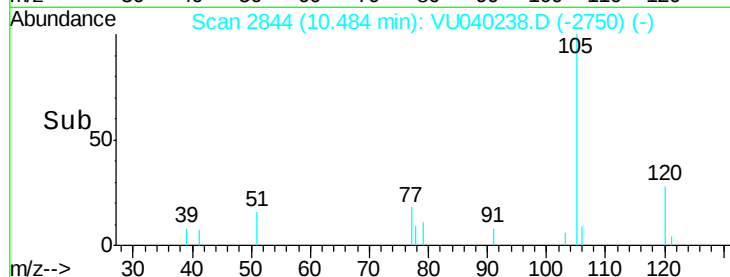
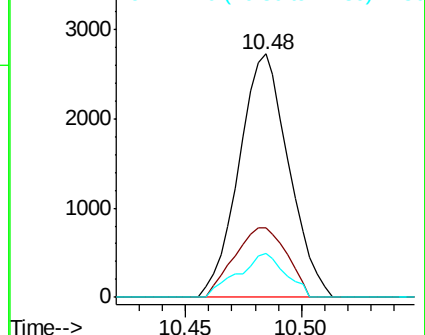
77 17.1 14.4 21.6



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): V



#59

1,2,3-Trichloropropane

Concen: 0.083 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.72 min

Lab File: VU040238.D

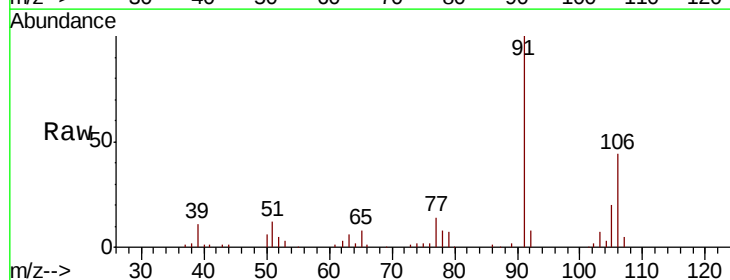
Acq: 21 Sep 2020 16:58

Tgt Ion: 75 Resp: 732

Ion Ratio Lower Upper

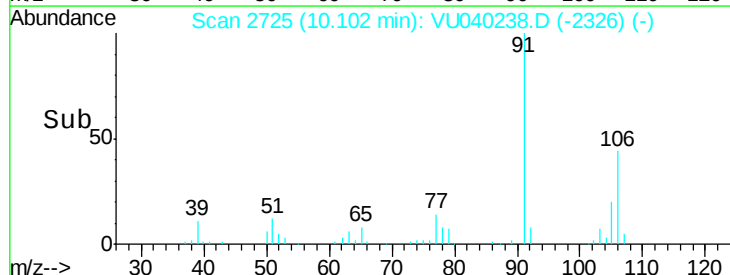
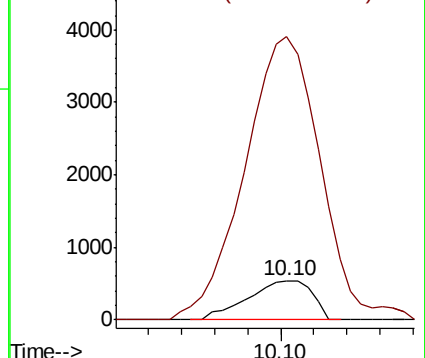
75 100

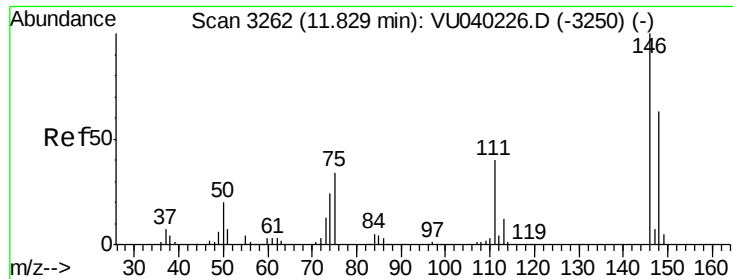
77 850.1 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#63

1,4-Dichlorobenzene

Concen: 0.089 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040238.D

Acq: 21 Sep 2020 16:58

Instrument :

MSVOA_U

ClientSampleId :

BG0Q1DL

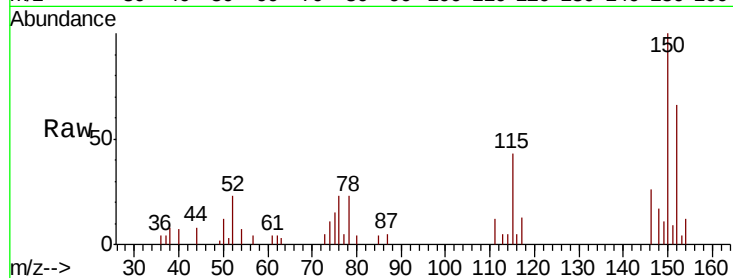
Tot Ion:146 Resp: 1879

Ion Ratio Lower Upper

146 100

111 44.9 30.5 56.7

148 66.8 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

