

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041147.D
 Acq On : 09 Nov 2020 17:41
 Operator : SY/MD
 Sample : L4646-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T8

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 9:33:58 AM

Quant Time: Nov 10 10:53:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	68618	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68097	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	35373	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16609	2.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.60%
7) Chloroethane-d5	1.92	69	19694	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.58	63	28557	2.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.60%#
20) 2-Butanone-d5	4.67	46	78949	41.59	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.18%
24) Chloroform-d	5.08	84	44031	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.75	65	27719	4.39	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.76	84	78656	4.32	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.70	67	26373	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.91	98	77031	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	8.19	79	14472	5.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.60%
46) 2-Hexanone-d5	8.64	63	74497	53.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.66%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	26190	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	32890	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.60	62	15735	2.442	ug/L 99
8) Chloroethane	1.94	64	2579m	0.632	ug/L
18) trans-1,2-Dichloroethene	3.38	96	7207	1.463	ug/L 91
22) cis-1,2-Dichloroethene	4.69	96	170734	33.603	ug/L 97
30) Cyclohexane	5.41	56	1727314	210.503	ug/L 98
33) Benzene	5.80	78	36487335m	1793.217	ug/L
35) Methylcyclohexane	6.77	83	342101	44.291	ug/L 89
42) Toluene	7.98	91	693573	33.615	ug/L 99
52) Ethylbenzene	9.57	91	1381482	63.610	ug/L 99
53) m,p-Xylene	9.71	106	4784503	604.058	ug/L 98
54) o-Xylene	10.10	106	99245	13.454	ug/L 96
56) Isopropylbenzene	10.48	105	1012652	51.052	ug/L 99

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

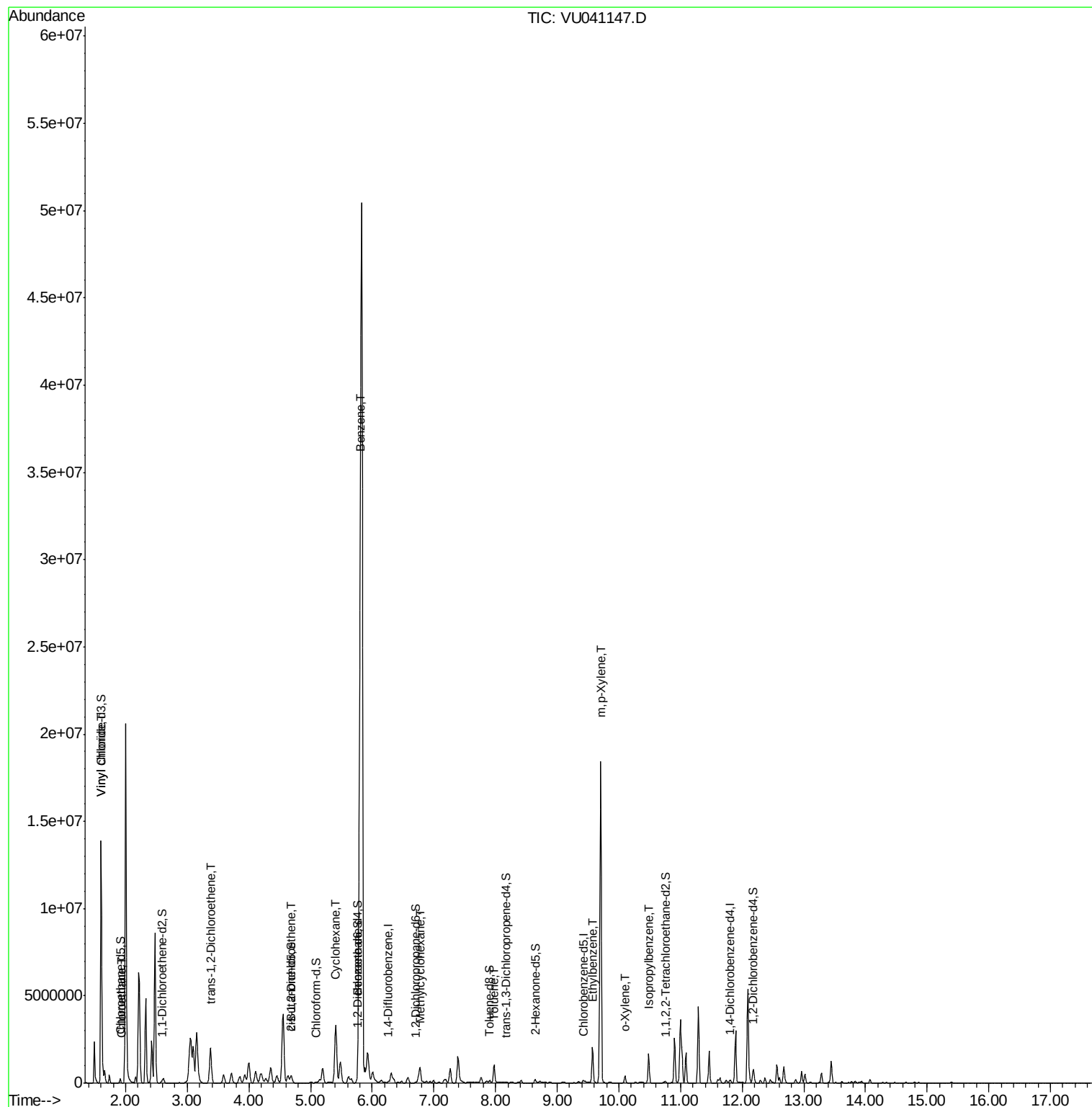
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110920\
Data File : VU041147.D
Acq On : 09 Nov 2020 17:41
Operator : SY/MD
Sample : L4646-14
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

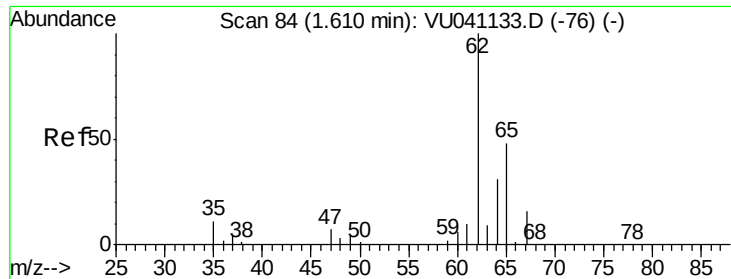
Instrument :
MSVOA_U
ClientSampleId :
GB0T8

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 01:04:12 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.442 ug/L

RT: 1.60 min Scan# 82

Delta R.T. -0.01 min

Lab File: VU041147.D

Acq: 09 Nov 2020 17:41

Instrument :

MSVOA_U

ClientSampleId :

GB0T8

Tot Ion: 62 Resp: 15735

Ion Ratio Lower Upper

62 100

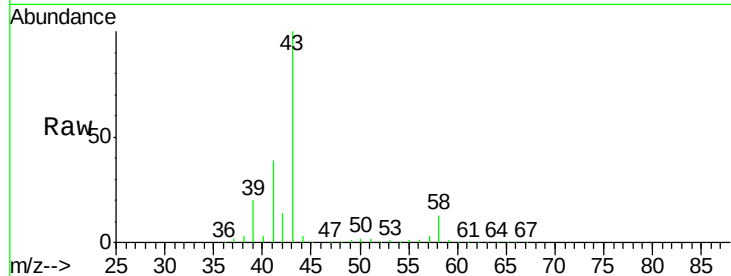
64 32.2 22.7 42.3

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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.60

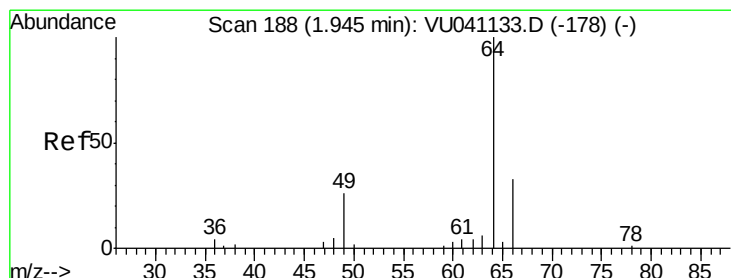
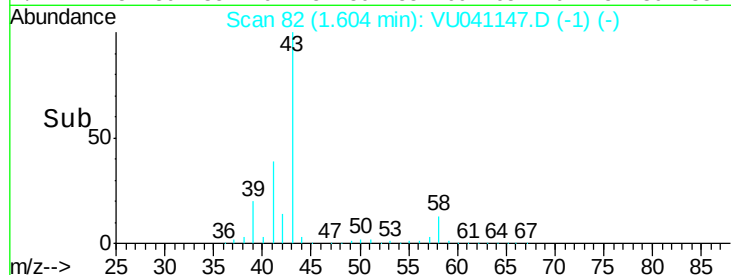
15000

10000

5000

0

Time-->



#8

Chloroethane

Concen: 0.632 ug/L m

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041147.D

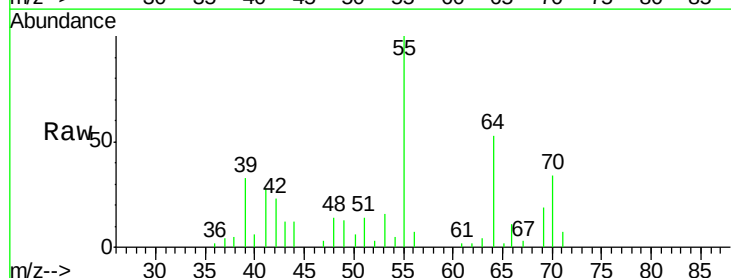
Acq: 09 Nov 2020 17:41

Tgt Ion: 64 Resp: 2579

Ion Ratio Lower Upper

64 100

66 20.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

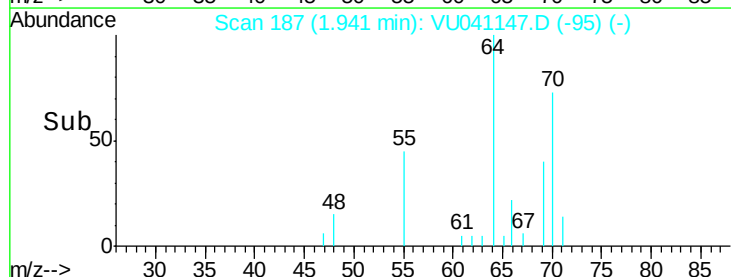
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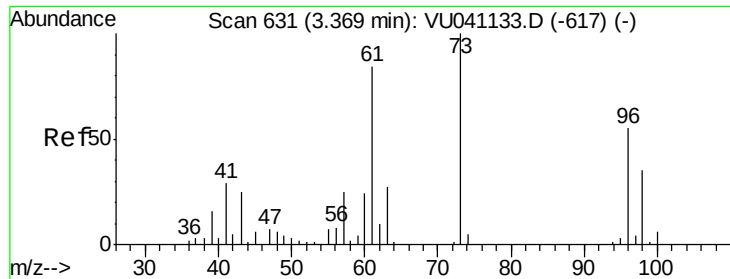
2000

1000

0

Time-->





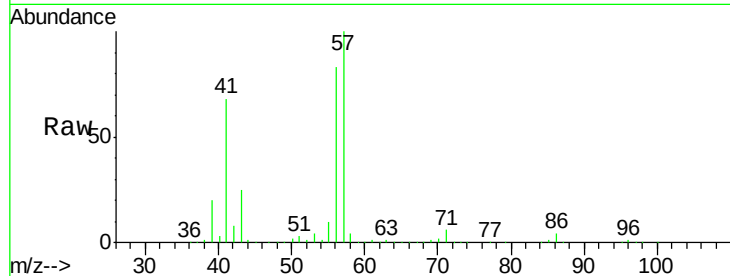
#18
trans-1,2-Dichloroethene
Concen: 1.463 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU041147.D
Acq: 09 Nov 2020 17:41

Instrument :
MSVOA_U
ClientSampleId :
GB0T8

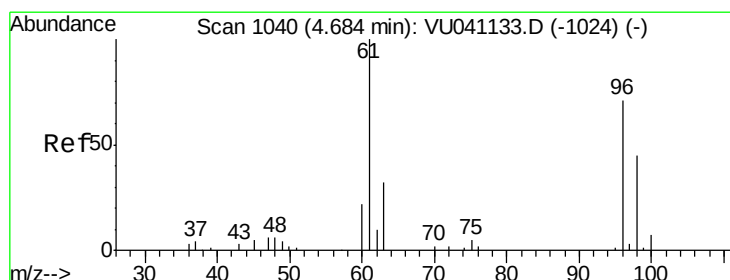
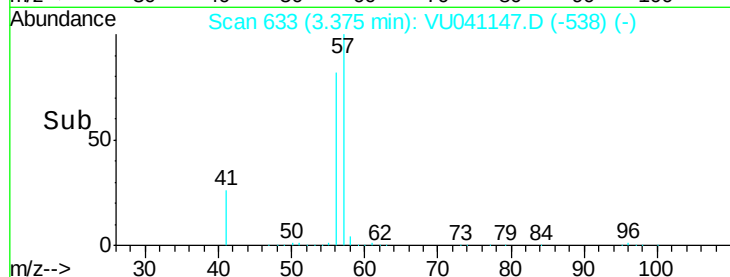
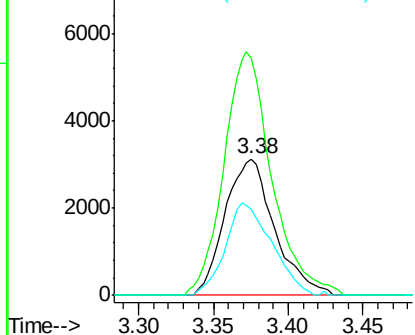
Tot Ion	Ratio	Lower	Upper
96	100		
61	173.9	110.9	205.9
98	62.7	45.4	84.2

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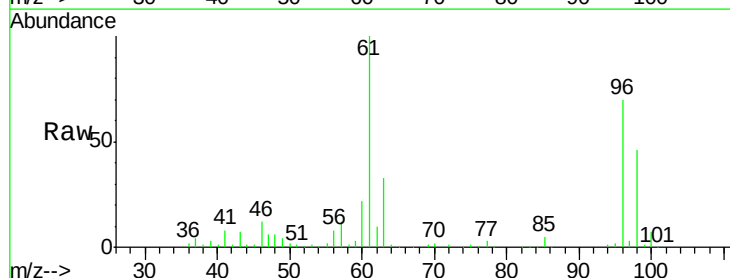


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

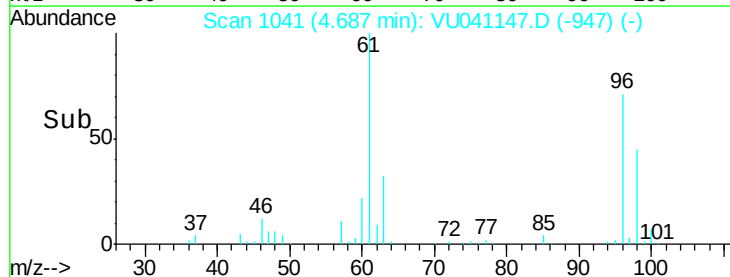
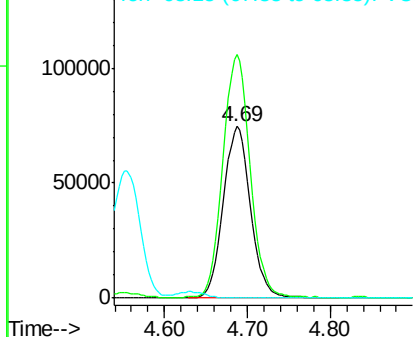


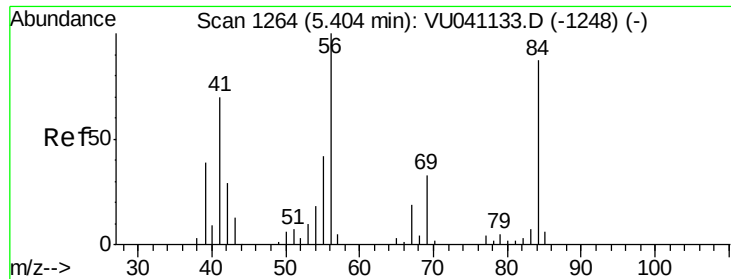
#22
cis-1,2-Dichloroethene
Concen: 33.603 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU041147.D
Acq: 09 Nov 2020 17:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.9	97.2	180.4
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





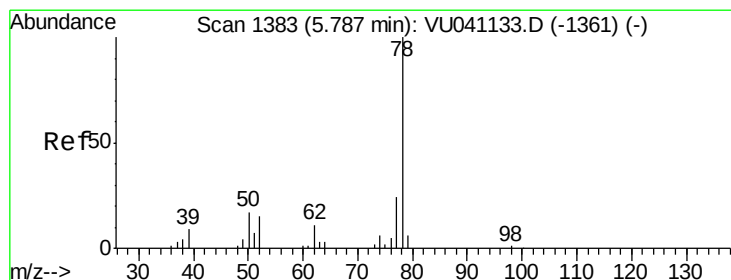
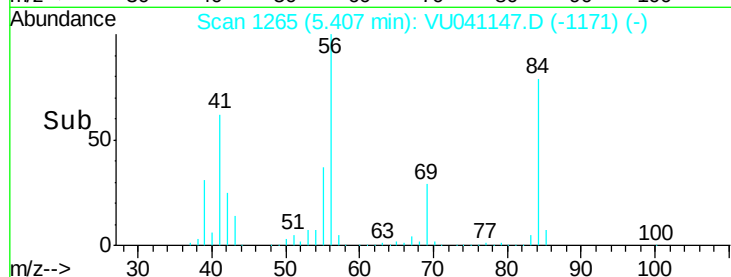
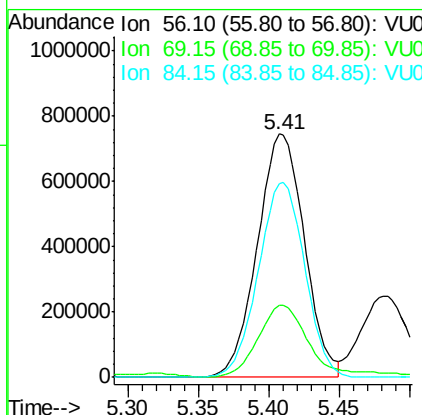
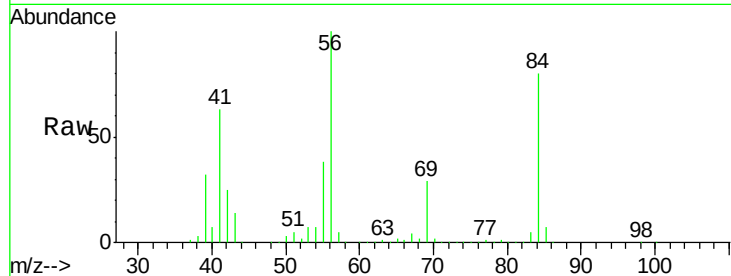
#30
Cyclohexane
Concen: 210.503 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU041147.D
Acq: 09 Nov 2020 17:41

Instrument :
MSVOA_U
ClientSampled :
GB0T8

Tot Ion: 56 Resp: 1727314
Ion Ratio Lower Upper
56 100
69 33.2 22.8 34.2
84 79.4 63.6 95.4

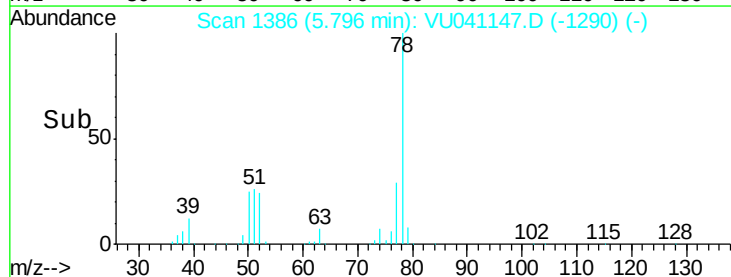
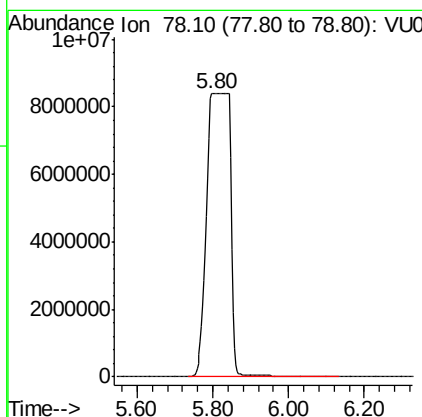
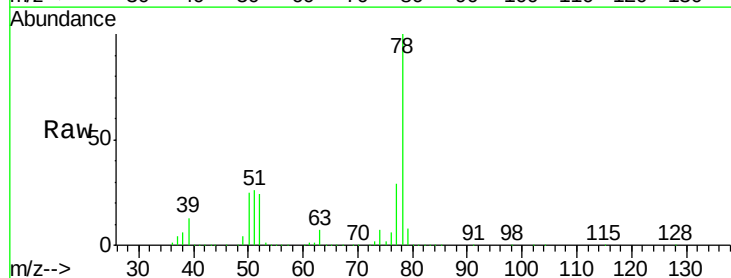
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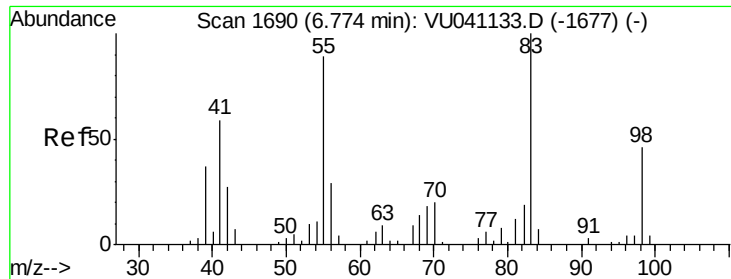
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#33
Benzene
Concen: 1793.217 ug/L m
RT: 5.80 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VU041147.D
Acq: 09 Nov 2020 17:41

Tgt Ion: 78 Resp: 36487335





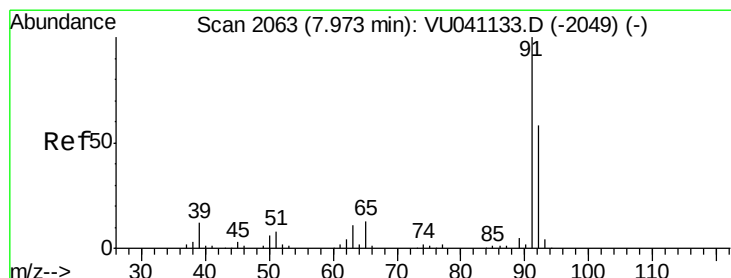
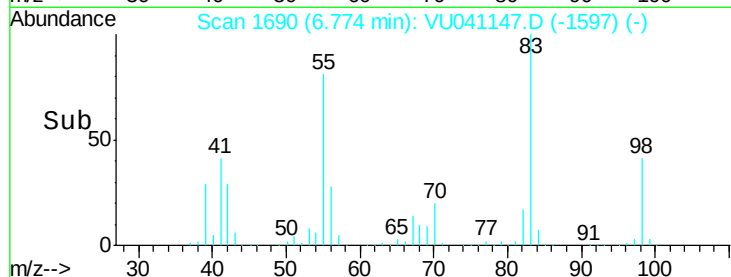
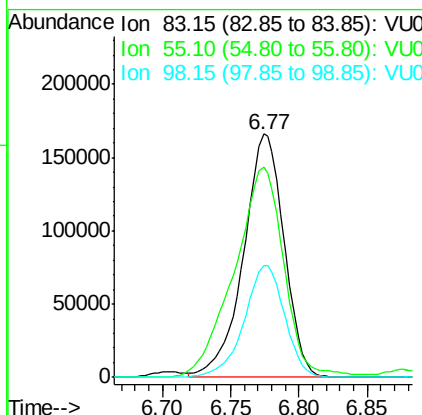
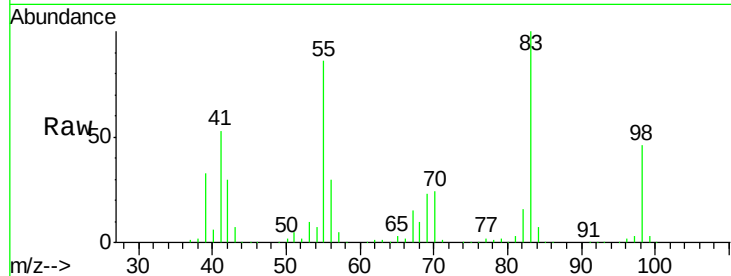
#35
Methylvlcyclohexane
Concen: 44.291 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU041147.D
Acq: 09 Nov 2020 17:41

Instrument :
MSVOA_U
ClientSampled :
GB0T8

Tot Ion	83	Resp	342101
Ion Ratio	Lower	Upper	
83	100		
55	105.6	72.0	108.0
98	45.9	36.6	55.0

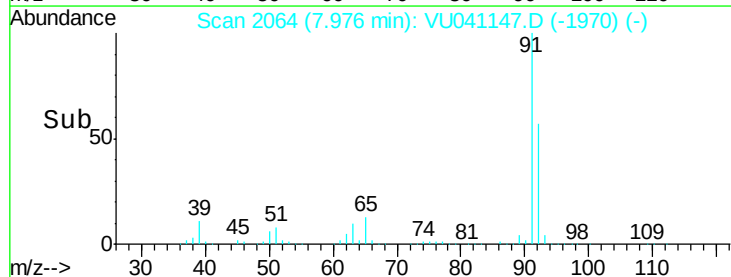
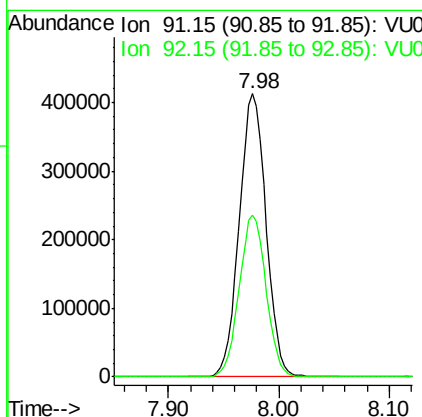
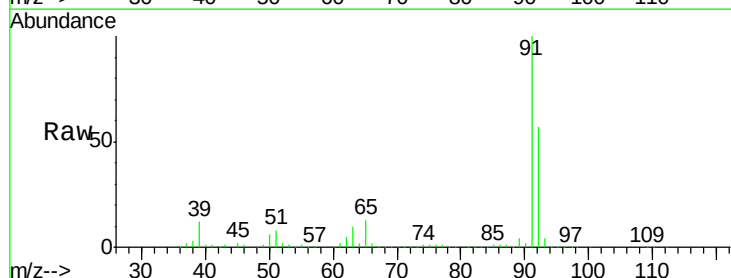
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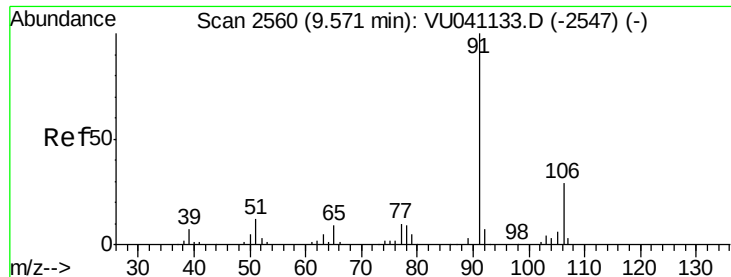
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#42
Toluene
Concen: 33.615 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU041147.D
Acq: 09 Nov 2020 17:41

Tgt Ion	91	Resp	693573
Ion Ratio	Lower	Upper	
91	100		
92	57.4	40.6	75.4





#52

Ethylbenzene

Concen: 63.610 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU041147.D

Acq: 09 Nov 2020 17:41

Instrument :

MSVOA_U

ClientSampleId :

GB0T8

Tot Ion: 91 Resp: 1381482

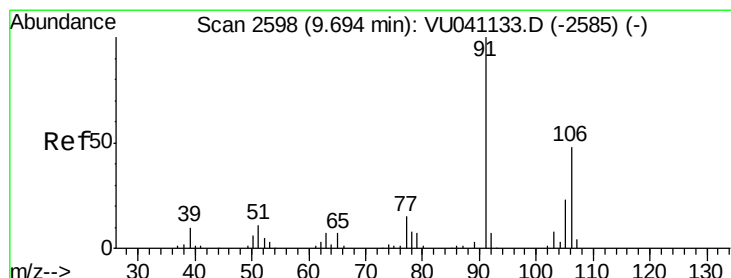
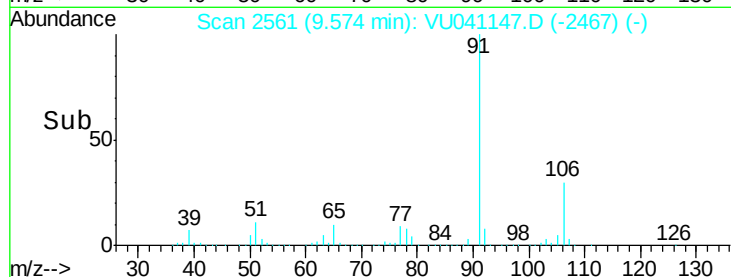
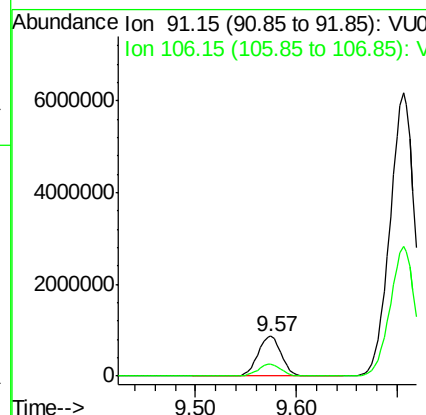
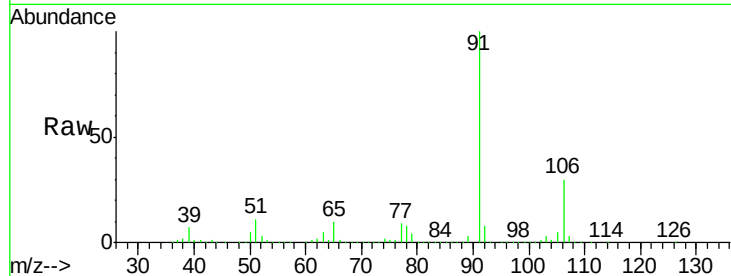
Ion Ratio Lower Upper

91 100

106 29.7 21.0 39.0

Manual Integrations
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#53

m,p-Xylene

Concen: 604.058 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. 0.01 min

Lab File: VU041147.D

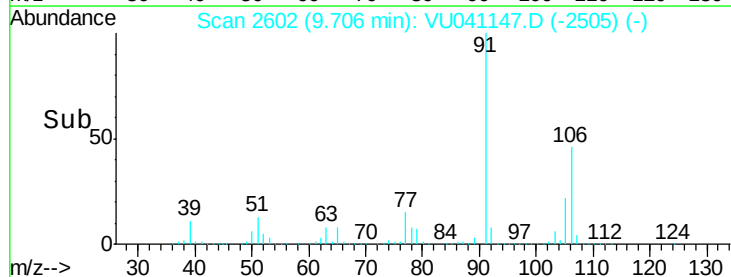
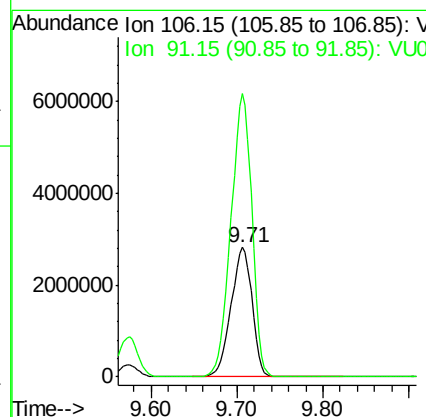
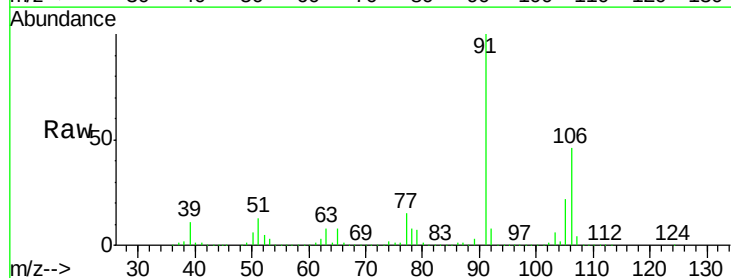
Acq: 09 Nov 2020 17:41

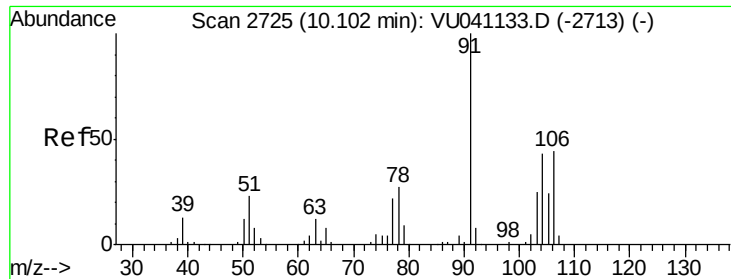
Tgt Ion: 106 Resp: 4784503

Ion Ratio Lower Upper

106 100

91 218.4 150.9 280.3





#54

o-Xylene

Concen: 13.454 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU041147.D

Acq: 09 Nov 2020 17:41

Instrument :

MSVOA_U

ClientSampleId :

GB0T8

Tot Ion:106 Resp: 99245

Ion Ratio Lower Upper

106 100

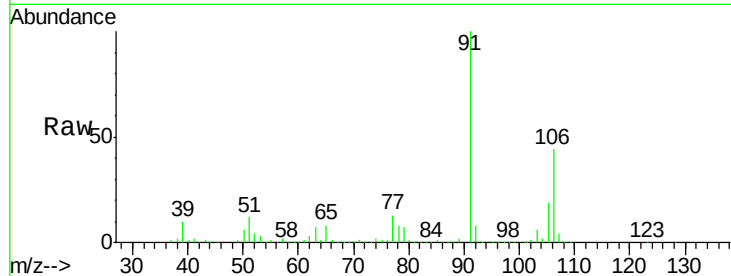
91 227.5 154.3 286.5

Manual Integrations

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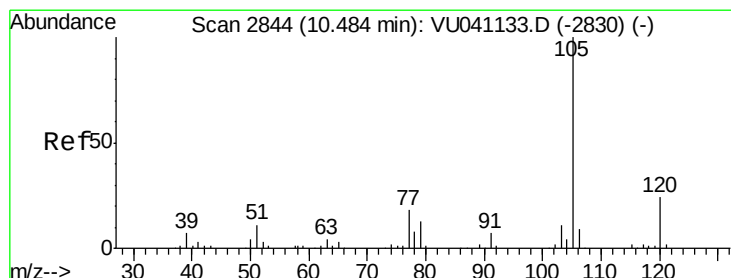
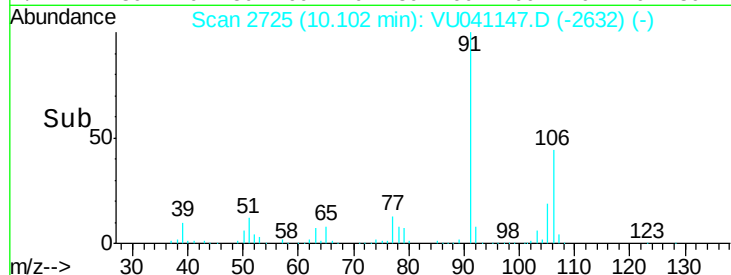
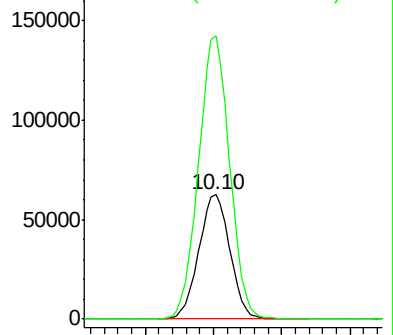
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 51.052 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041147.D

Acq: 09 Nov 2020 17:41

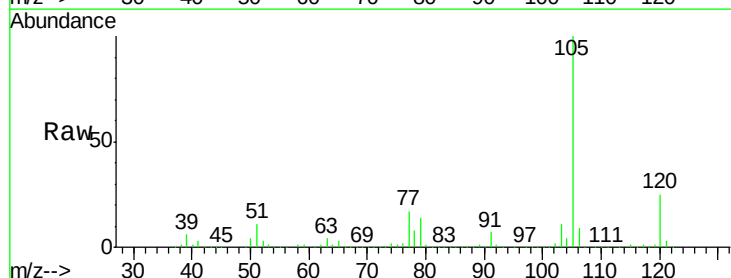
Tgt Ion:105 Resp: 1012652

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

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): VU0

