

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112020\
 Data File : VU041377.D
 Acq On : 20 Nov 2020 19:16
 Operator : SY/MD
 Sample : L4849-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4400

Manual Integrations
 APPROVED

SAM
 11/23/2020 6:10:05 PM

Quant Time: Nov 21 06:22:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 21 02:42:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.34	114	59795	5.00	ug/L	0.08
28) Chlorobenzene-d5	9.44	117	59287	5.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.81	152	25720	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.66	65	16176	3.68	ug/L	0.05
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.99	69	14638	3.89	ug/L	0.06
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	2.64	63	27207	2.99	ug/L	0.06
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.80	46	59336	32.72	ug/L	0.14
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.44%
24) Chloroform-d	5.15	84	47244	4.96	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.81	65	27768	4.47	ug/L	0.09
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.83	84	81760	5.12	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.77	67	30008	5.45	ug/L	0.07
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.94	98	65430	4.35	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.22	79	9716	4.10	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.67	63	48311	38.15	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	23768	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	27069	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.66	62	86756	16.713	ug/L	88
13) Acetone	2.84	43	79131m	65.775	ug/L	
14) Carbon disulfide	2.87	76	9638	0.841	ug/L	98
15) Methyl Acetate	3.09	43	7191	2.877	ug/L	97
17) Methyl tert-butyl Ether	3.48	73	131310	12.322	ug/L	98
18) trans-1,2-Dichloroethene	3.44	96	9866	2.603	ug/L	90
19) 1,1-Dichloroethane	3.97	63	16434	1.939	ug/L	95
21) 2-Butanone	4.86	43	46293	25.345	ug/L	95
22) cis-1,2-Dichloroethene	4.75	96	438671	102.460	ug/L	91
30) Cyclohexane	5.47	56	742	0.124	ug/L #	29
33) Benzene	5.88	78	16743	1.042	ug/L	100
34) Trichloroethene	6.63	95	34584	7.965	ug/L	97
42) Toluene	8.01	91	3305	0.192	ug/L	95
52) Ethylbenzene	9.59	91	1041	0.057	ug/L	84
53) m,p-Xylene	9.71	106	539	0.081	ug/L	81

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 21 02:42:19 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

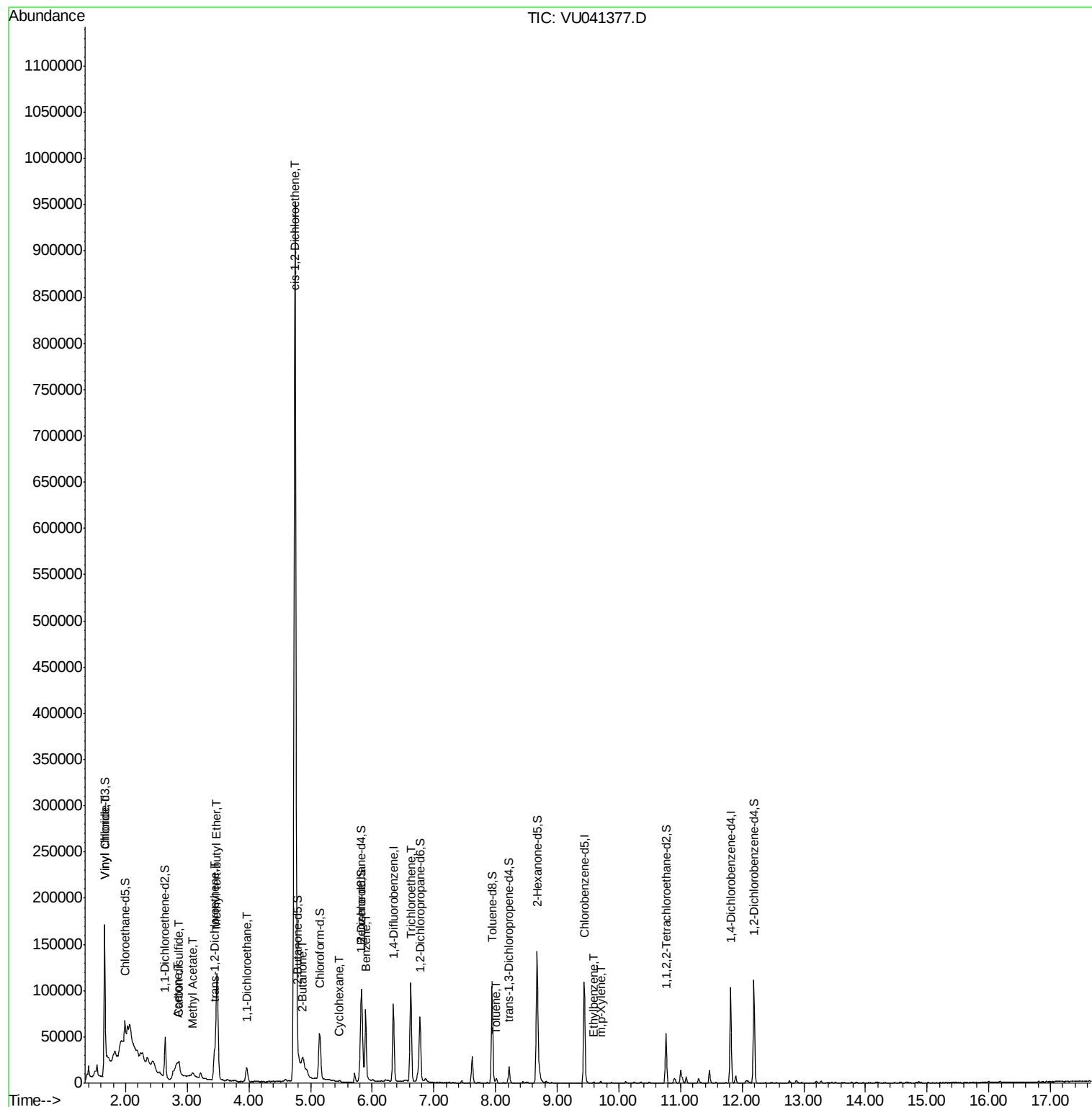
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112020\
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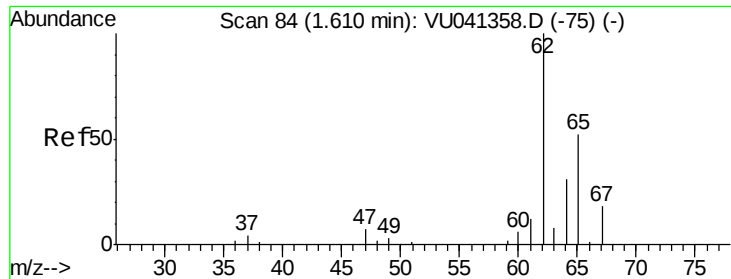
Instrument :
MSVOA_U
ClientSampleId :
H4400

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 21 02:42:19 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 16.713 ug/L

RT: 1.66 min Scan# 100

Delta R.T. 0.05 min

Lab File: VU041377.D

Acq: 20 Nov 2020 19:16

Instrument :

MSVOA_U

ClientSampled :

H4400

Tot Ion: 62 Resp: 86756

Ion Ratio Lower Upper

62 100

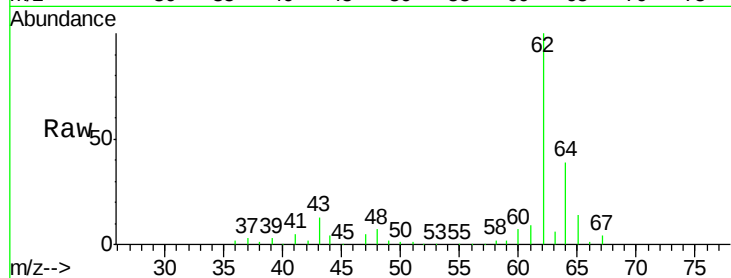
64 39.0 22.7 42.3

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU041358.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041358.D (-75) (-)

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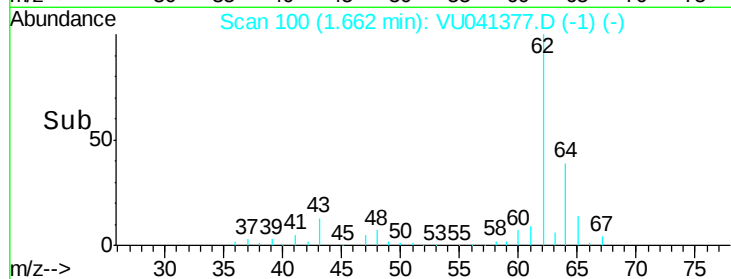
1.66

1.66

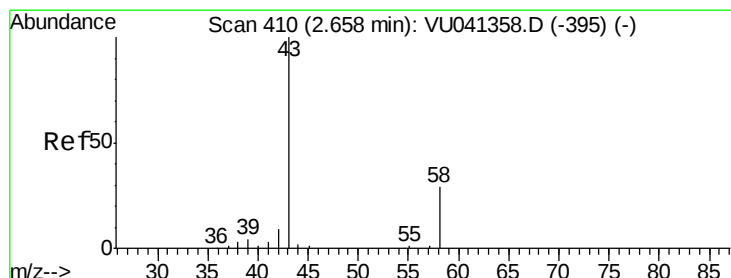
1.66

1.66

1.66



Time-->



#13

Acetone

Concen: 65.775 ug/L m

RT: 2.84 min Scan# 468

Delta R.T. 0.19 min

Lab File: VU041377.D

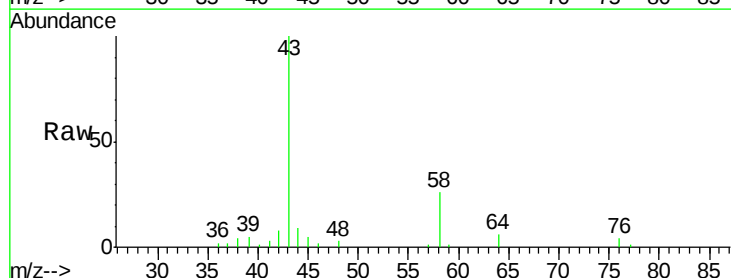
Acq: 20 Nov 2020 19:16

Tgt Ion: 43 Resp: 79131

Ion Ratio Lower Upper

43 100

58 23.7 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041358.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041358.D (-395) (-)

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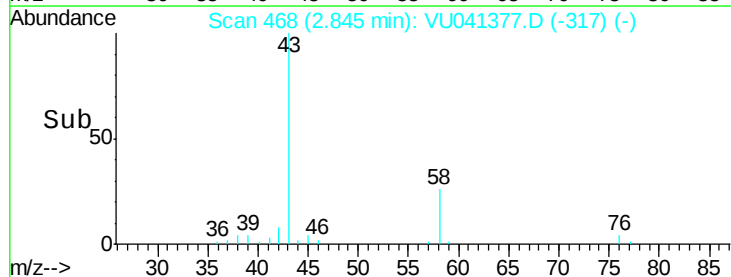
2.84

2.84

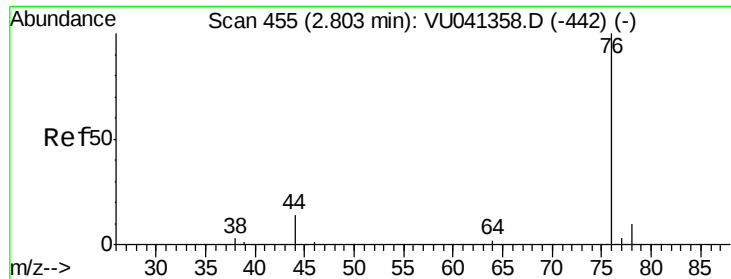
2.84

2.84

2.84



Time-->



#14

Carbon disulfide

Concen: 0.841 ug/L

RT: 2.87 min Scan# 475

Delta R.T. 0.06 min

Lab File: VU041377.D

Acq: 20 Nov 2020 19:16

Instrument :

MSVOA_U

ClientSampleId :

H4400

Tot Ion: 76 Resp: 9638

Ion Ratio Lower Upper

76 100

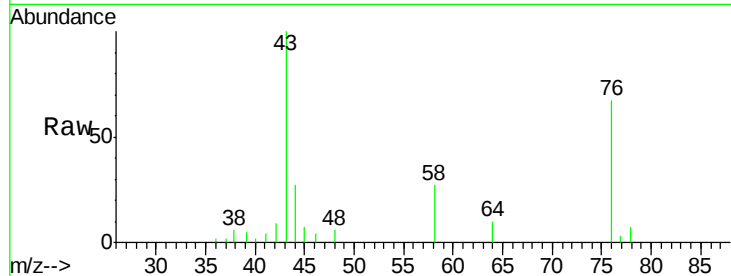
78 10.3 7.5 11.3

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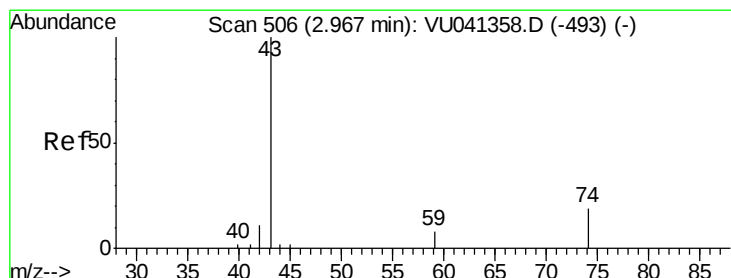
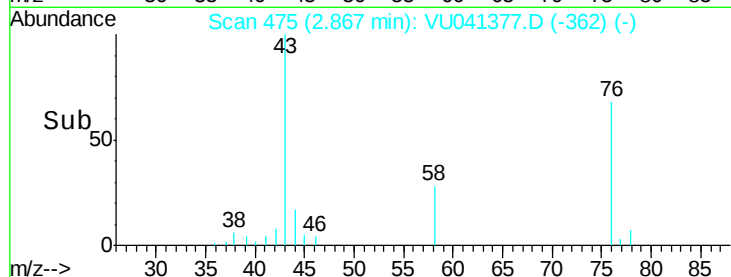
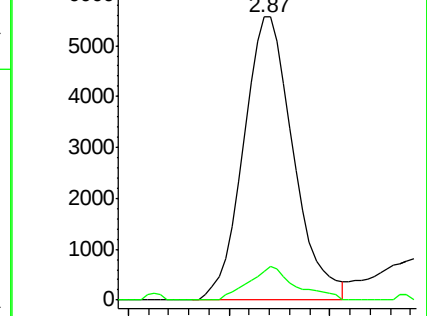
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Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 2.877 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.12 min

Lab File: VU041377.D

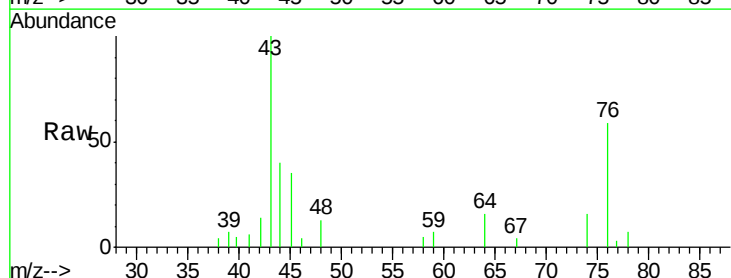
Acq: 20 Nov 2020 19:16

Tgt Ion: 43 Resp: 7191

Ion Ratio Lower Upper

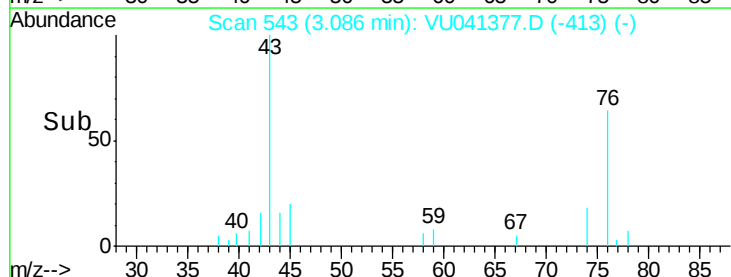
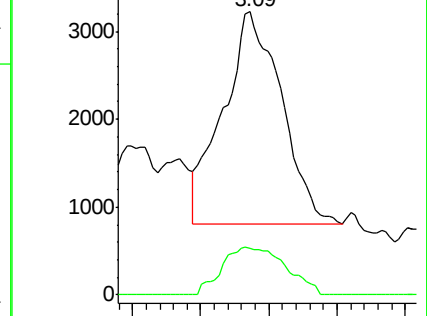
43 100

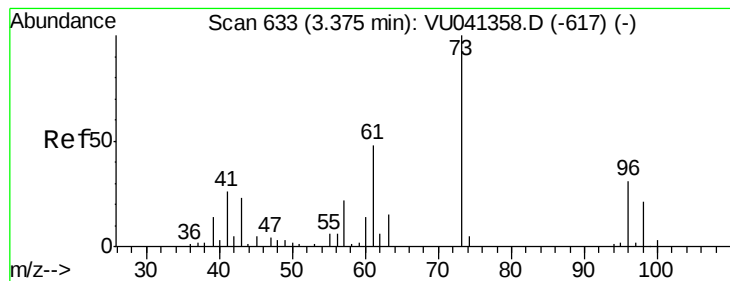
74 24.5 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#17

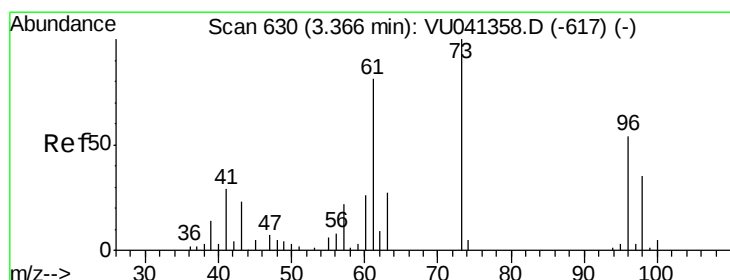
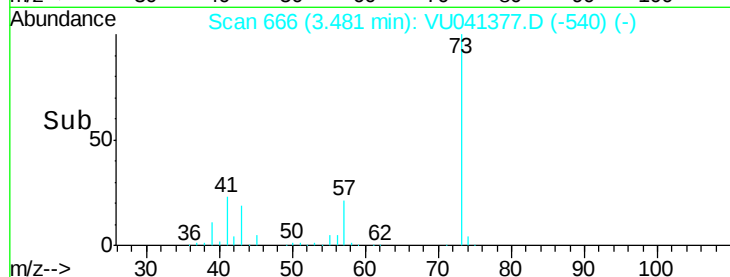
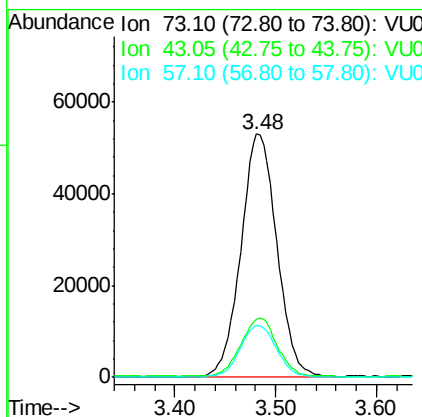
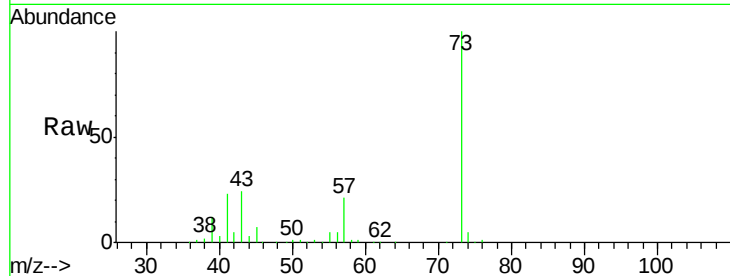
Methvl tert-butvl Ether
 Concen: 12.322 ug/L
 RT: 3.48 min Scan# 666
 Delta R.T. 0.11 min
 Lab File: VU041377.D
 Acq: 20 Nov 2020 19:16

Instrument :
 MSVOA_U
 ClientSampleId :
 H4400

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.4	18.5	27.7
57	21.6	18.4	27.6

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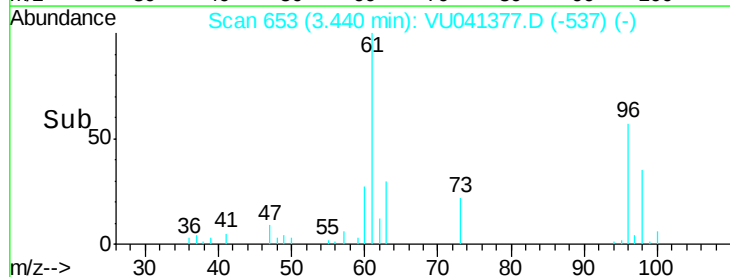
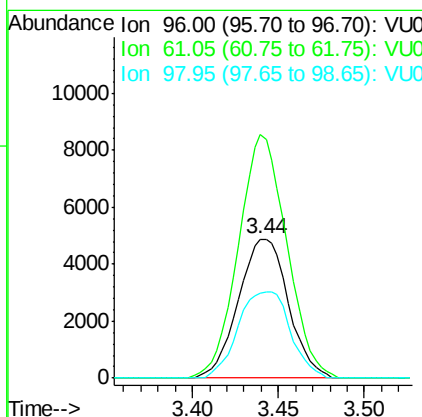
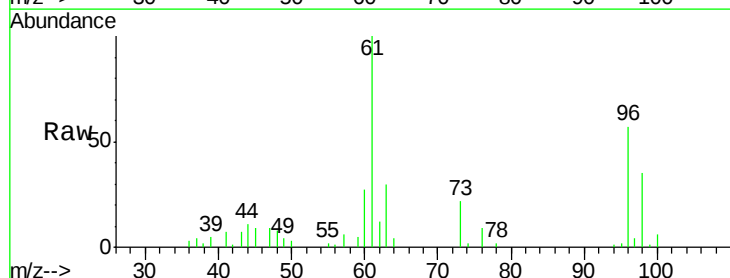
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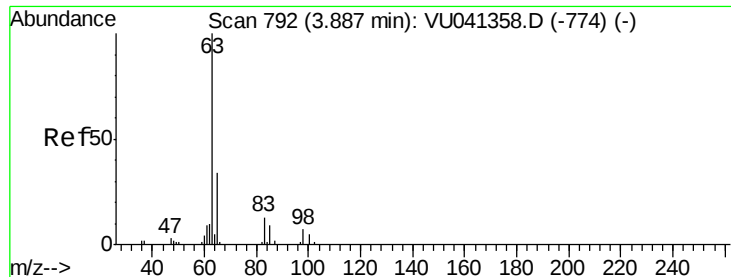


#18

trans-1,2-Dichloroethene
 Concen: 2.603 ug/L
 RT: 3.44 min Scan# 653
 Delta R.T. 0.07 min
 Lab File: VU041377.D
 Acq: 20 Nov 2020 19:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.1	110.9	205.9
98	61.1	45.4	84.2





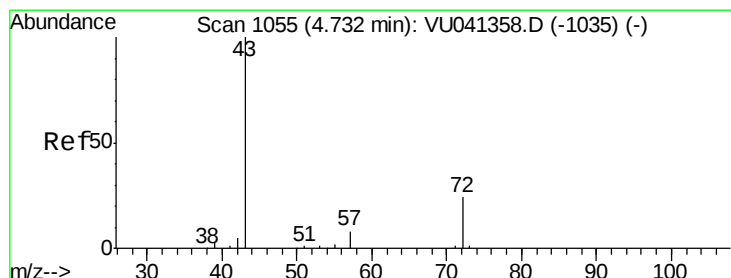
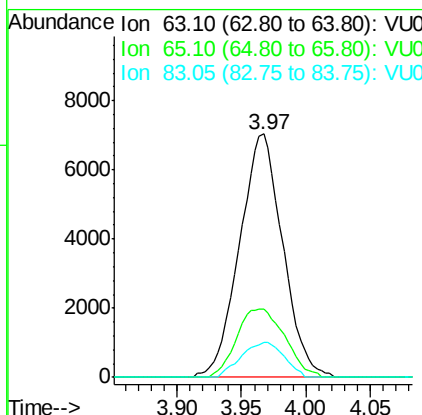
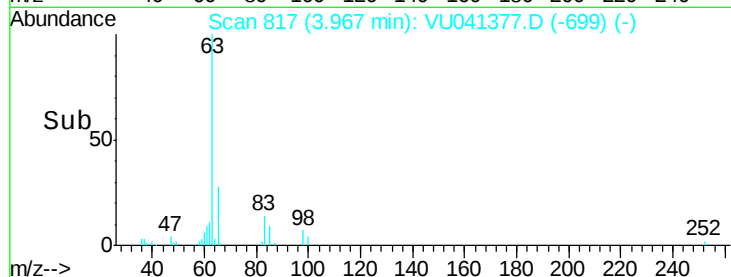
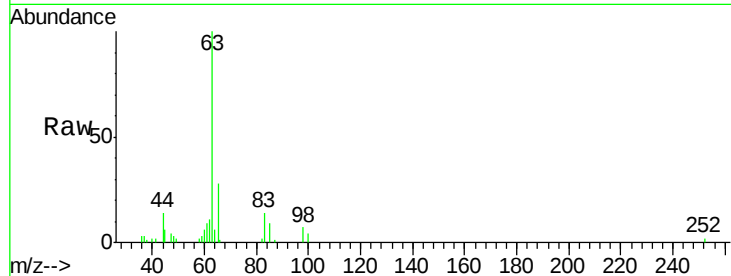
#19
 1,1-Dichloroethane
 Concen: 1.939 ug/L
 RT: 3.97 min Scan# 817
 Delta R.T. 0.08 min
 Lab File: VU041377.D
 Acq: 20 Nov 2020 19:16

Instrument :
 MSVOA_U
 ClientSampleId :
 H4400

Tot Ion:	63	Resp:	16434
Ion	Ratio	Lower	Upper
63	100		
65	27.8	21.3	39.6
83	14.4	8.8	16.3

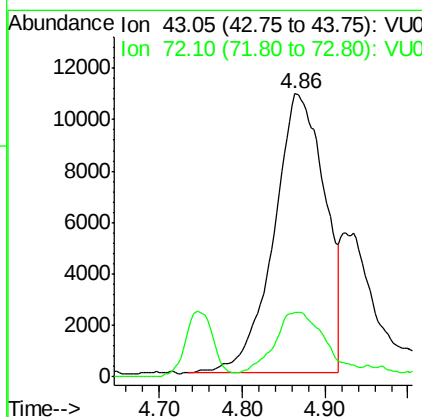
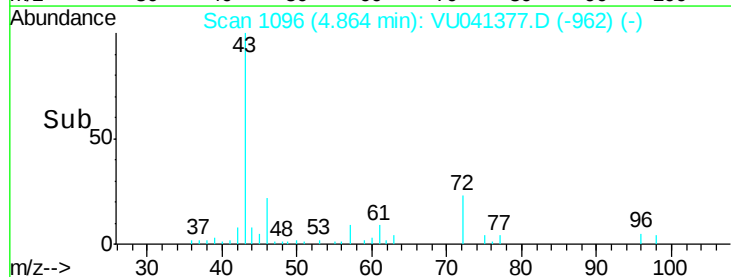
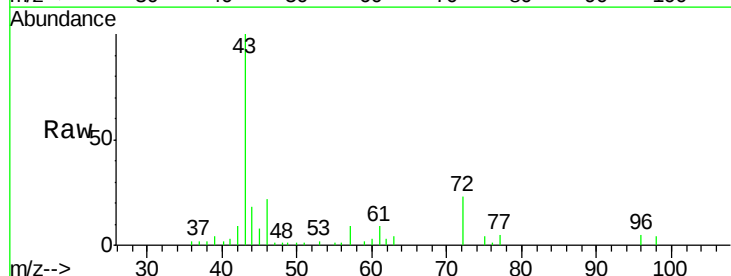
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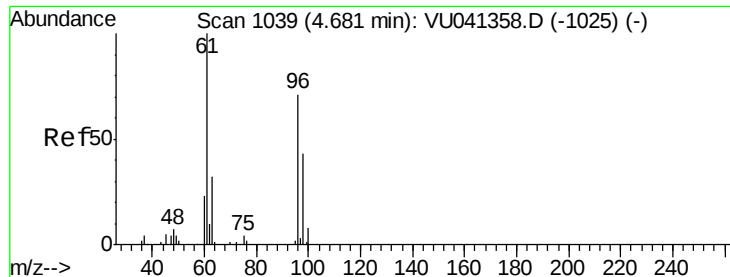
SAM
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#21
 2-Butanone
 Concen: 25.345 ug/L
 RT: 4.86 min Scan# 1096
 Delta R.T. 0.13 min
 Lab File: VU041377.D
 Acq: 20 Nov 2020 19:16

Tgt Ion:	43	Resp:	46293
Ion	Ratio	Lower	Upper
43	100		
72	21.2	11.8	35.4





#22

cis-1,2-Dichloroethene

Concen: 102.460 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.07 min

Lab File: VU041377.D

Acq: 20 Nov 2020 19:16

Instrument :

MSVOA_U

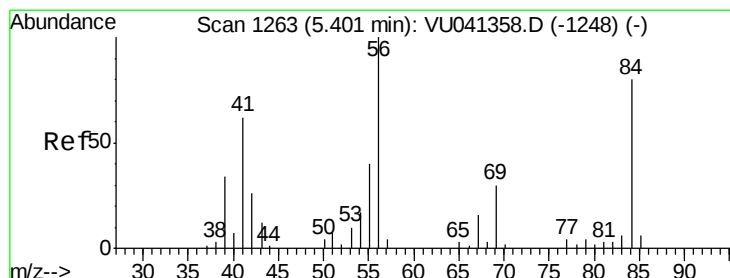
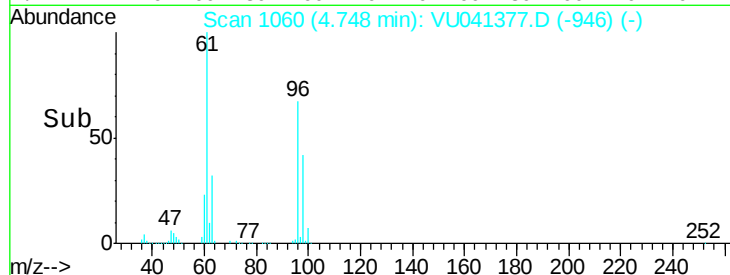
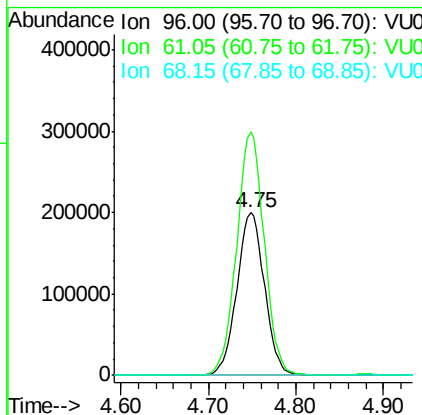
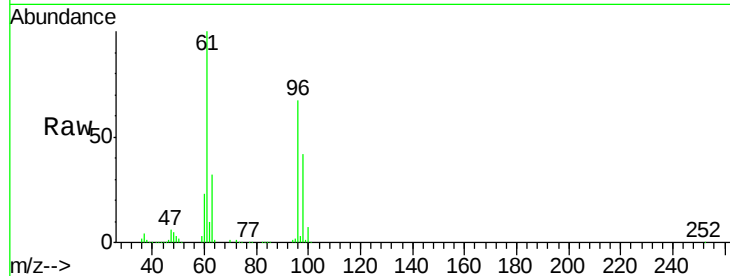
ClientSampleId :

H4400

Tot Ion:	96	Resp:	438671
Ion Ratio	Lower	Upper	
96	100		
61	149.8	97.2	180.4
68	0.0	0.0	0.0

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#30

Cyclohexane

Concen: 0.124 ug/L

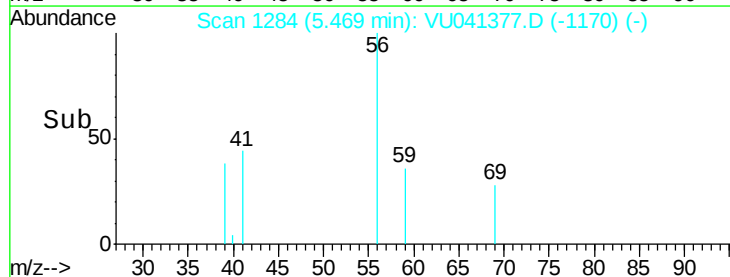
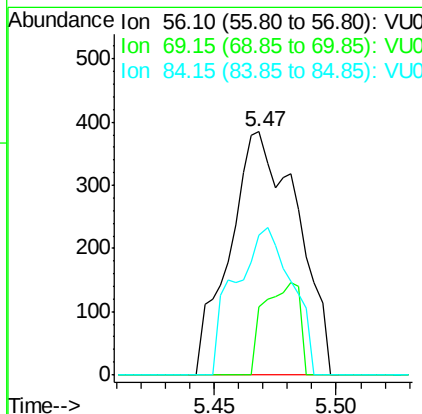
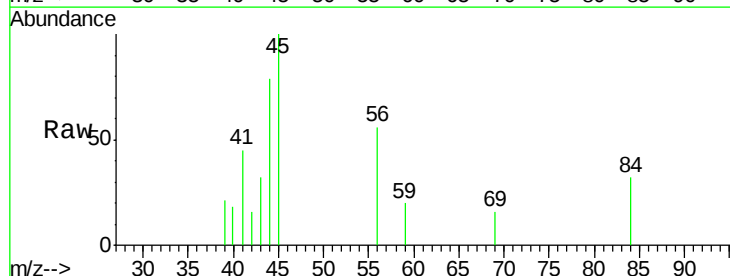
RT: 5.47 min Scan# 1284

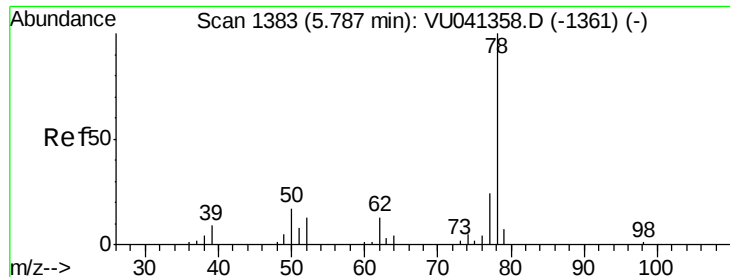
Delta R.T. 0.07 min

Lab File: VU041377.D

Acq: 20 Nov 2020 19:16

Tgt Ion:	56	Resp:	742
Ion Ratio	Lower	Upper	
56	100		
69	19.9	22.8	34.2#
84	0.0	63.6	95.4#





#33

Benzene

Concen: 1.042 ug/L

RT: 5.88 min Scan# 1412

Delta R.T. 0.09 min

Lab File: VU041377.D

Acq: 20 Nov 2020 19:16

Instrument :

MSVOA_U

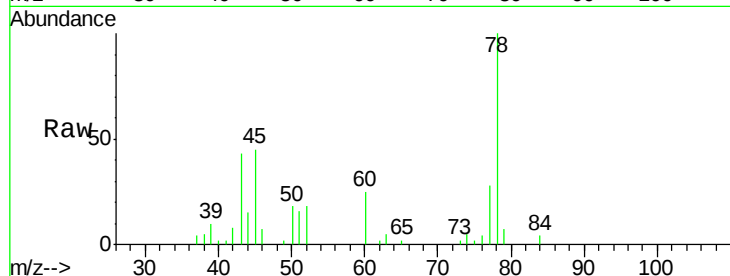
ClientSampleId :

H4400

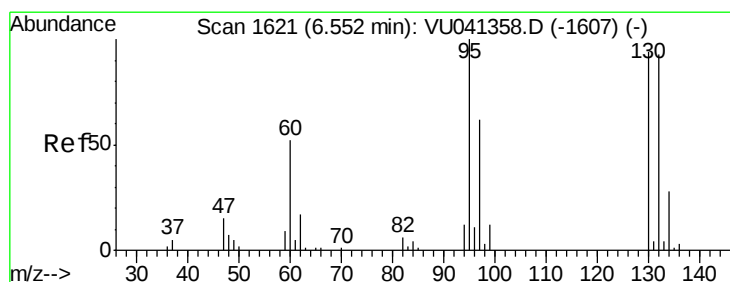
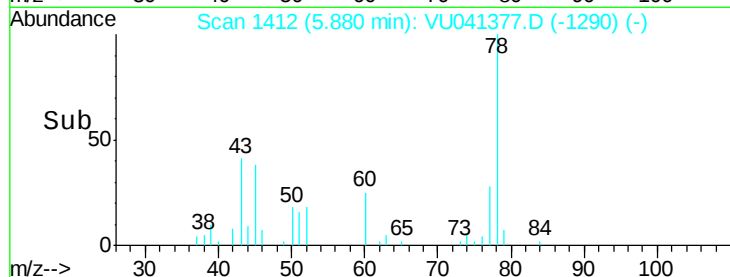
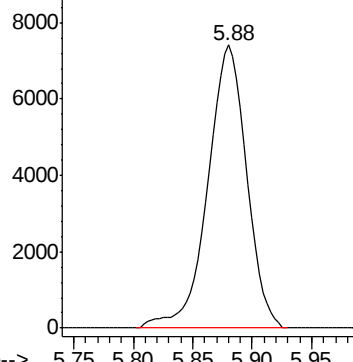
Tgt Ion: 78 Resp: 16743

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Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 7.965 ug/L

RT: 6.63 min Scan# 1644

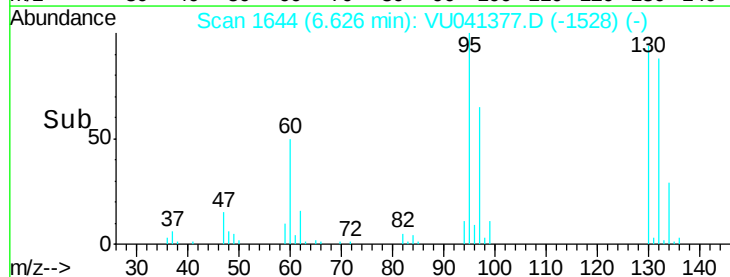
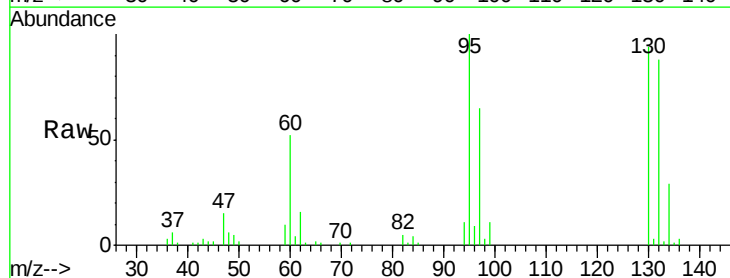
Delta R.T. 0.07 min

Lab File: VU041377.D

Acq: 20 Nov 2020 19:16

Tgt Ion: 95 Resp: 34584

Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.6	84.6
132	87.9	64.8	120.4
130	94.5	64.8	120.4

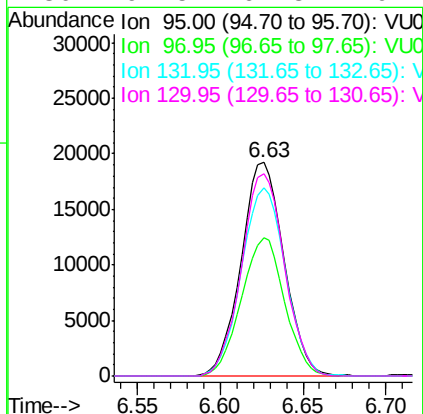


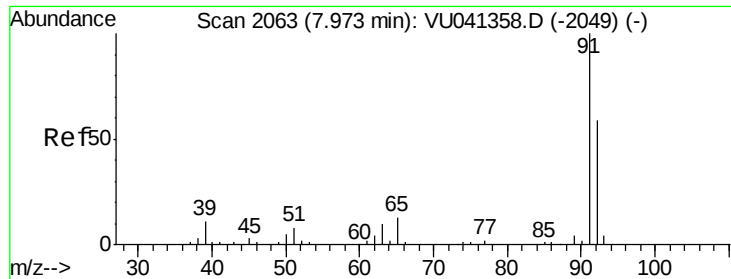
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 0.192 ug/L

RT: 8.01 min Scan# 2075

Delta R.T. 0.04 min

Lab File: VU041377.D

Acq: 20 Nov 2020 19:16

Instrument :

MSVOA_U

ClientSampleId :

H4400

Tot Ion: 91 Resp: 3305

Ion Ratio Lower Upper

91 100

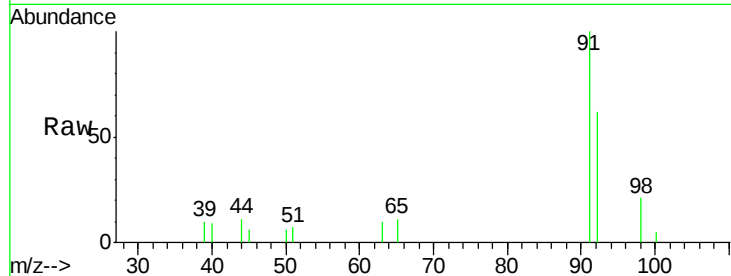
92 61.9 40.6 75.4

Manual Integrations

APPROVED

SAM

11/23/2020 6:10:05 PM



Abundance Ion 91.15 (90.85 to 91.85): VU041358.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041358.D (-2049) (-)

8.01

1500

1000

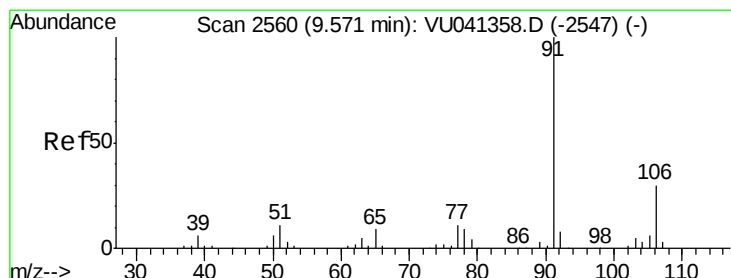
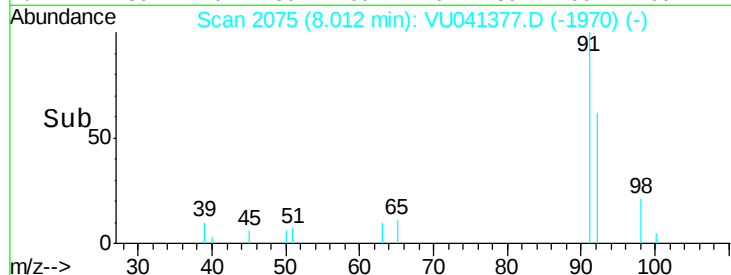
500

0

8.00

8.05

Time-->



#52

Ethylbenzene

Concen: 0.057 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.02 min

Lab File: VU041377.D

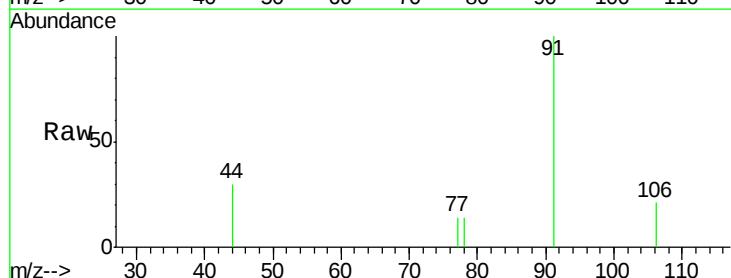
Acq: 20 Nov 2020 19:16

Tgt Ion: 91 Resp: 1041

Ion Ratio Lower Upper

91 100

106 21.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041358.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041358.D (-2547) (-)

9.59

800

600

400

200

0

9.54

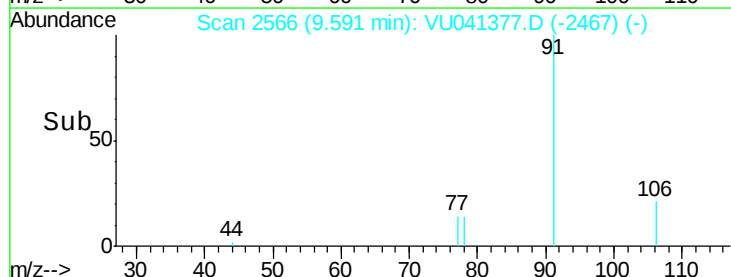
9.56

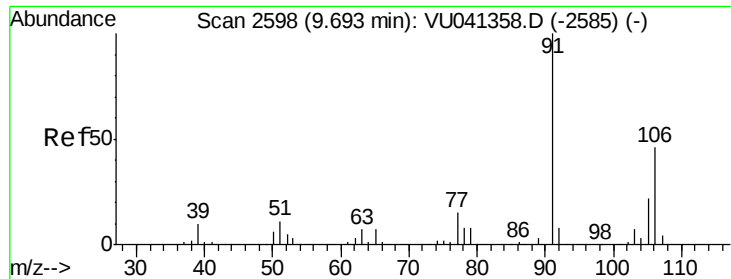
9.58

9.60

9.62

Time-->





#53
 m.p-Xylene
 Concen: 0.081 ug/L
 RT: 9.71 min Scan# 2602
 Delta R.T. 0.01 min
 Lab File: VU041377.D
 Acq: 20 Nov 2020 19:16

Instrument :
 MSVOA_U
 ClientSampleId :
 H4400

Tot Ion	Ratio	Lower	Upper
106	100		
91	245.5	150.9	280.3

Manual Integrations
 APPROVED

SAM
 11/23/2020 6:10:05 PM

