

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039298.D
 Acq On : 06 Jul 2020 17:56
 Operator : SY/MD
 Sample : L3193-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4277

Manual Integrations
 APPROVED

MMDadoda

7/8/2020 2:52:48 PM

Quant Time: Jul 07 02:41:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:17:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	112136	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105870	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50872	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51900	6.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.40%
7) Chloroethane-d5	1.92	69	43711	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.58	63	85392	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.60%
20) 2-Butanone-d5	4.72	46	182339	56.10	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.20%
24) Chloroform-d	5.09	84	83910	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.73	65	49055	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.74	84	167929	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.71	67	57222	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.91	98	155340	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	8.19	79	23595	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.65	63	139981	53.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.10%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49861	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	58031	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	178573	21.374	ug/L #	65
13) Acetone	2.77	43	44282m	28.793	ug/L	
14) Carbon disulfide	2.81	76	4917	0.243	ug/L #	87
15) Methyl Acetate	3.01	43	17924	4.658	ug/L	98
17) Methyl tert-butyl Ether	3.39	73	275124	13.166	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	39513	5.721	ug/L	98
19) 1,1-Dichloroethane	3.89	63	27586	1.994	ug/L	95
21) 2-Butanone	4.80	43	273414	97.677	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	903770	114.845	ug/L	92
30) Cyclohexane	5.39	56	2059m	0.169	ug/L	
33) Benzene	5.79	78	25485	0.854	ug/L	100
34) Trichloroethene	6.56	95	22558	2.932	ug/L	97
42) Toluene	7.98	91	6702	0.206	ug/L	99
53) m,p-Xylene	9.69	106	1347	0.099	ug/L	85
54) o-Xylene	10.10	106	1014	0.075	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:17:04 2020
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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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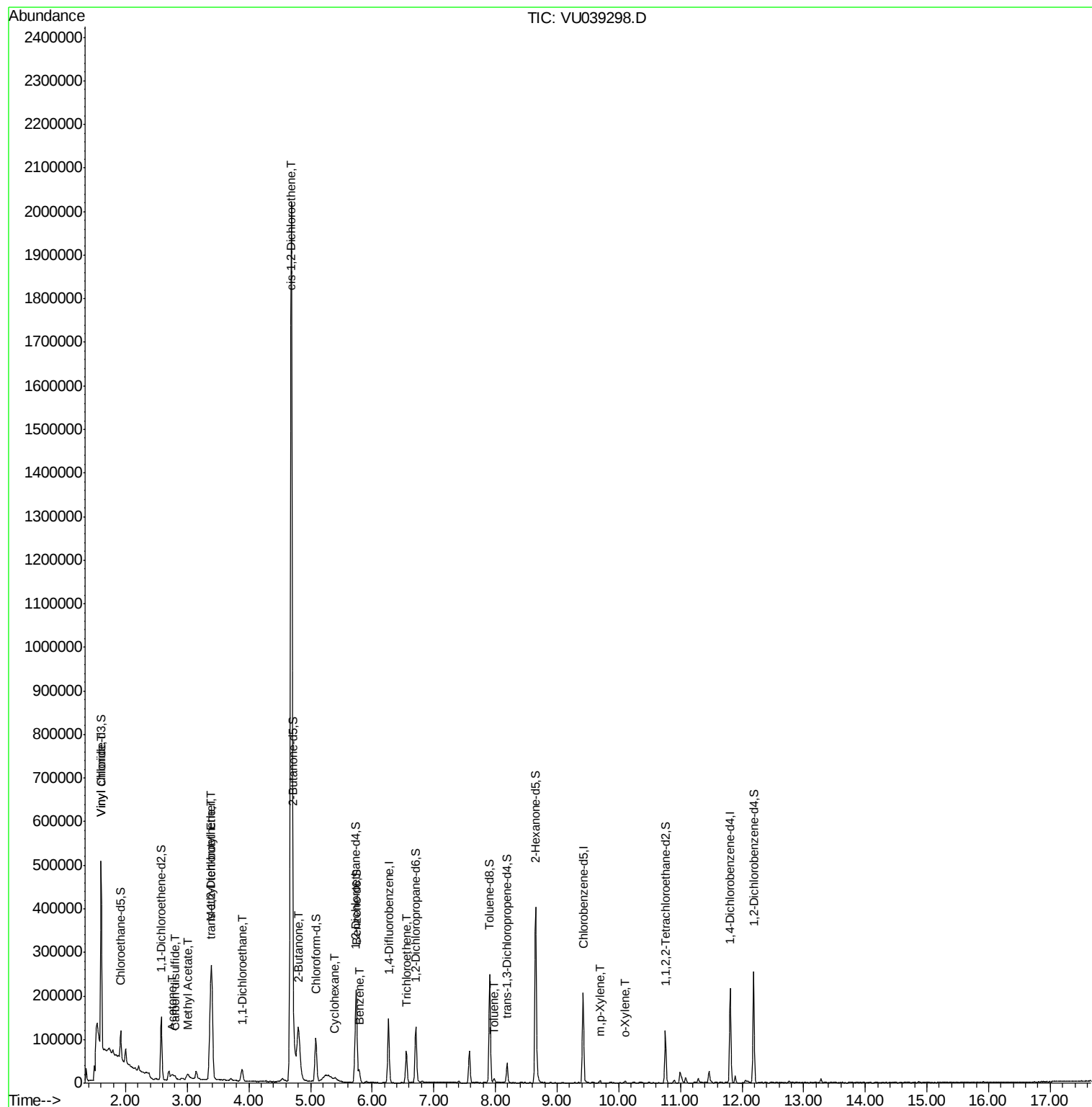
Instrument :
MSVOA_U
ClientSampleId :
H4277

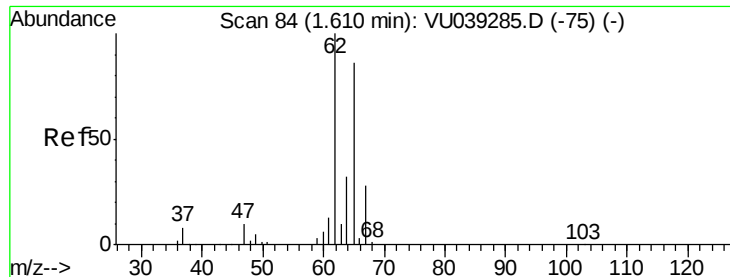
Manual Integrations
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7/8/2020 2:52:48 PM

Quant Time: Jul 07 02:41:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:17:04 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 21.374 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039298.D

Acq: 06 Jul 2020 17:56

Instrument :

MSVOA_U

ClientSampled :

H4277

Tot Ion: 62 Resp: 178573

Ion Ratio Lower Upper

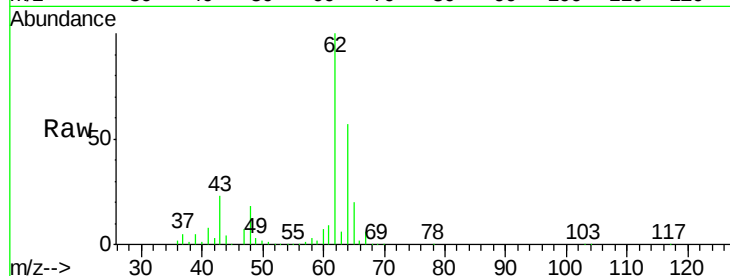
62 100

64 57.5 25.6 47.4#

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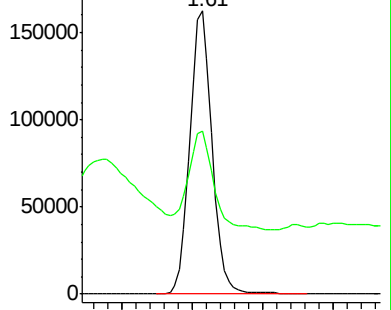
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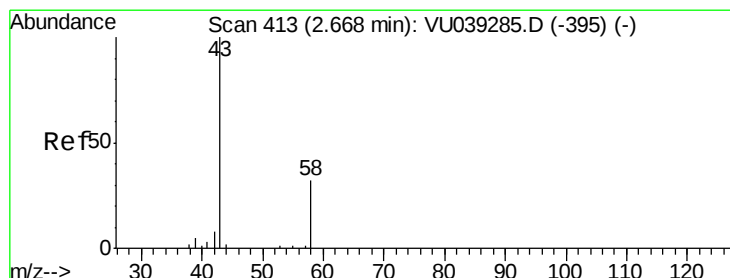
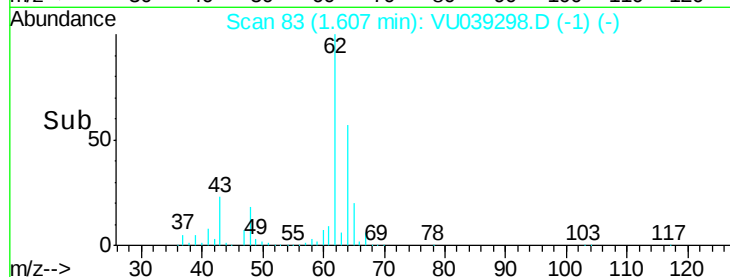


Abundance Ion 62.00 (61.70 to 62.70): VU039298.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039298.D (-1) (-)



Time-->



#13

Acetone

Concen: 28.793 ug/L m

RT: 2.77 min Scan# 445

Delta R.T. 0.10 min

Lab File: VU039298.D

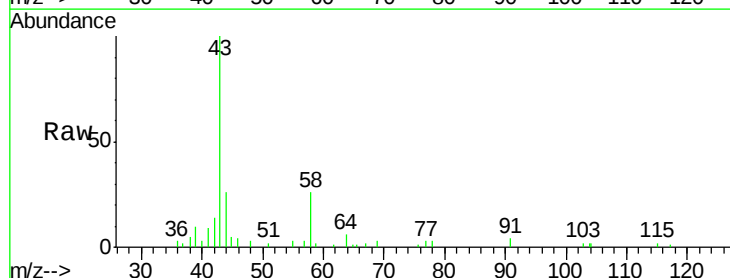
Acq: 06 Jul 2020 17:56

Tgt Ion: 43 Resp: 44282

Ion Ratio Lower Upper

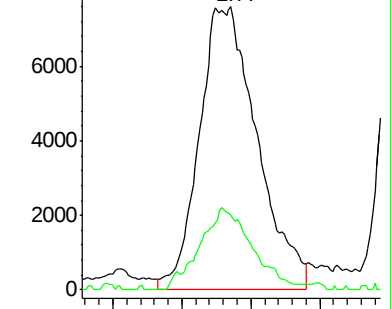
43 100

58 23.1 0.0 63.6

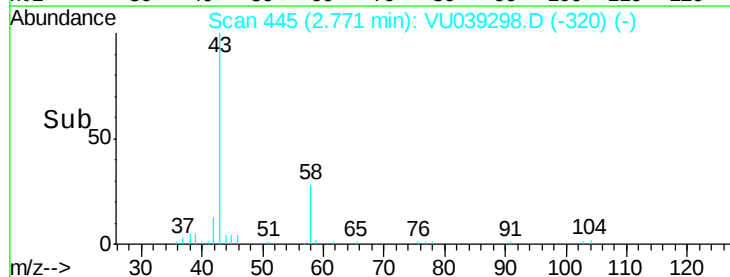


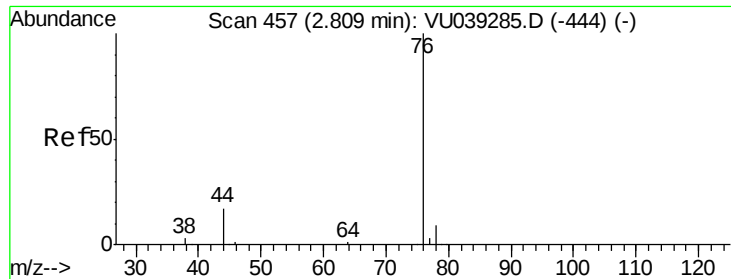
Abundance Ion 43.05 (42.75 to 43.75): VU039298.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU039298.D (-320) (-)



Time-->





#14

Carbon disulfide

Concen: 0.243 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039298.D

Acq: 06 Jul 2020 17:56

Instrument :

MSVOA_U

ClientSampled :

H4277

Tot Ion: 76 Resp: 4917

Ion Ratio Lower Upper

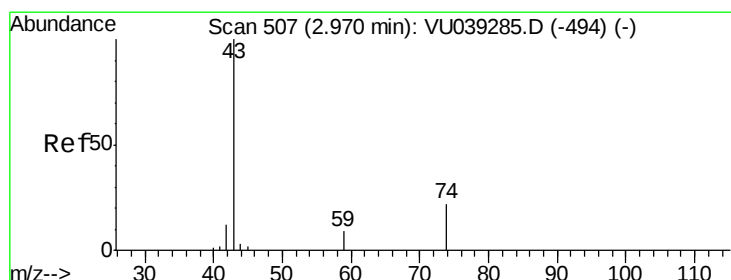
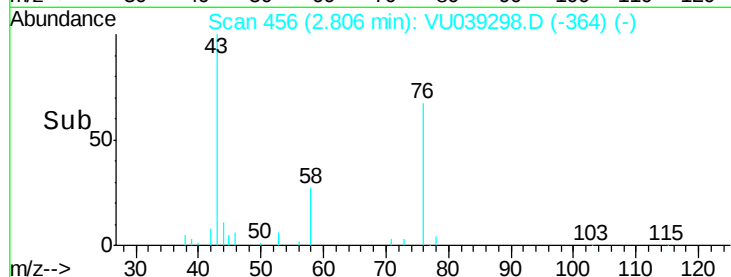
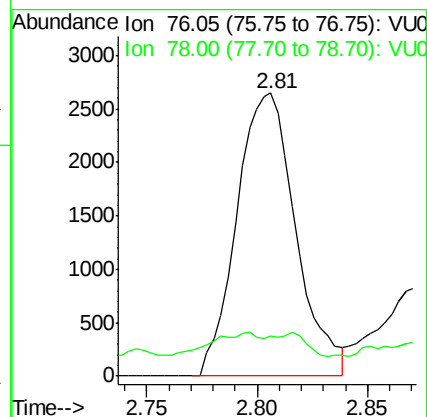
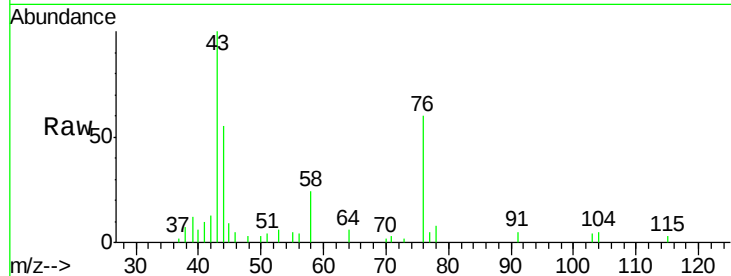
76 100

78 14.0 7.4 11.0#

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#15

Methyl Acetate

Concen: 4.658 ug/L

RT: 3.01 min Scan# 518

Delta R.T. 0.04 min

Lab File: VU039298.D

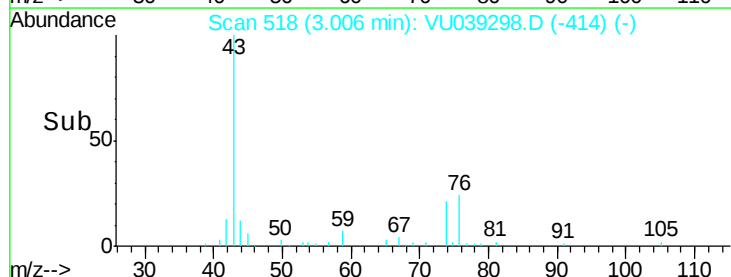
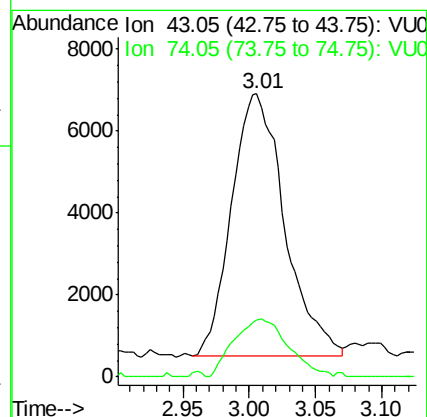
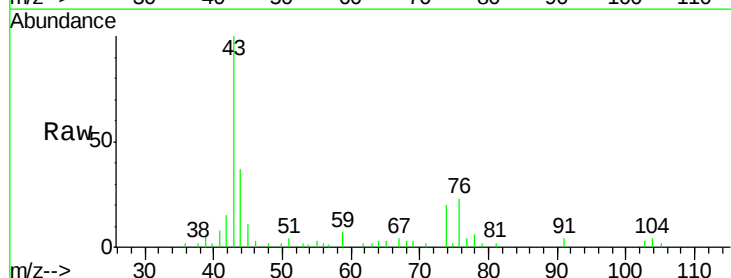
Acq: 06 Jul 2020 17:56

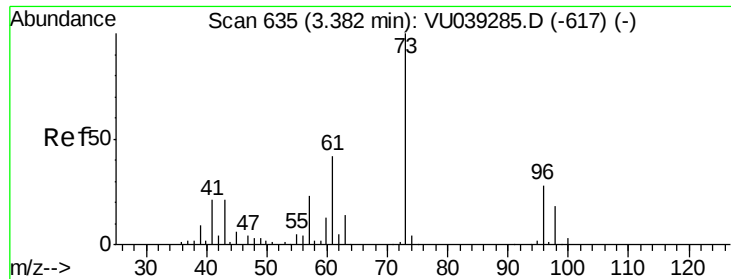
Tgt Ion: 43 Resp: 17924

Ion Ratio Lower Upper

43 100

74 22.7 17.5 26.3





#17
Methvl tert-butvl Ether
Concen: 13.166 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.01 min
Lab File: VU039298.D
Acq: 06 Jul 2020 17:56

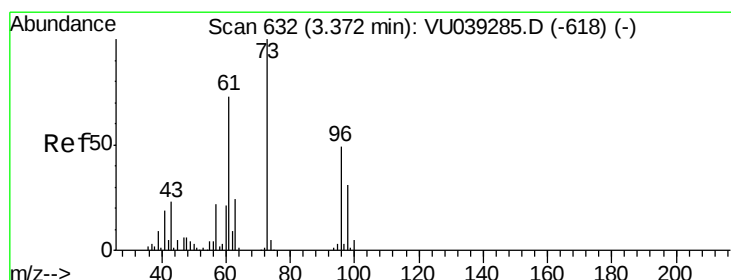
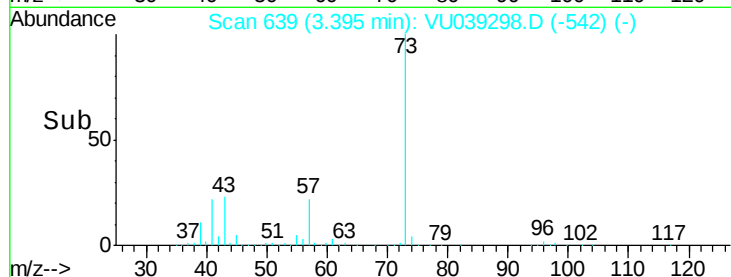
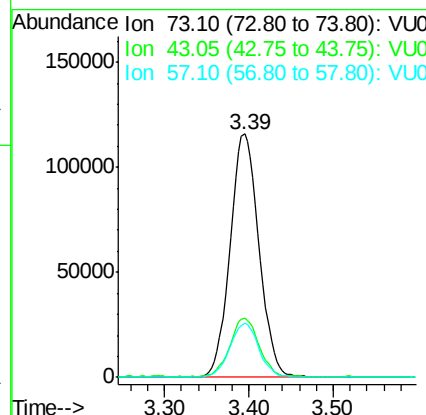
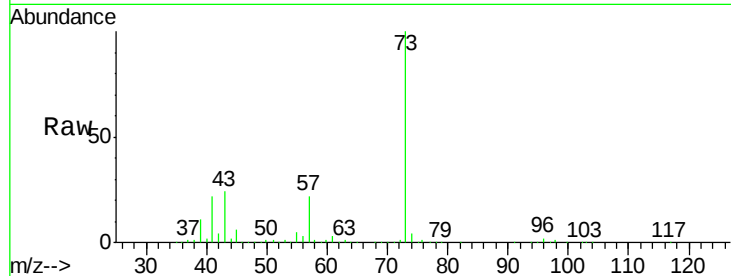
Instrument :
MSVOA_U
ClientSampleId :
H4277

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.2	17.5	26.3
57	22.6	18.6	27.8

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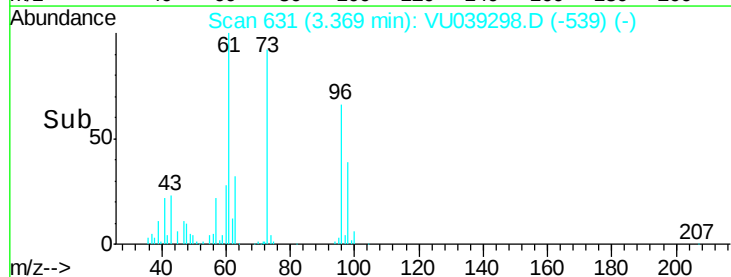
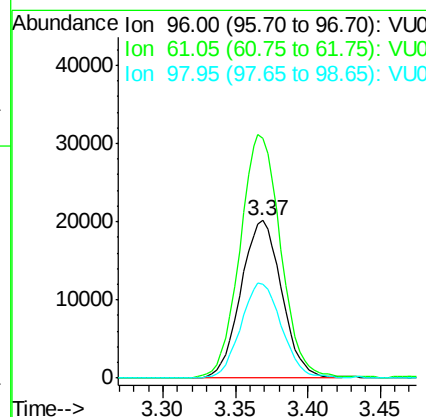
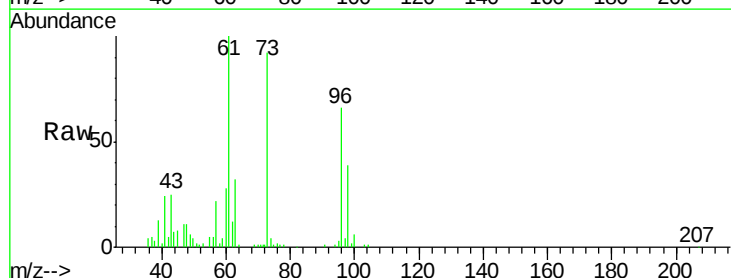
MMDadoda

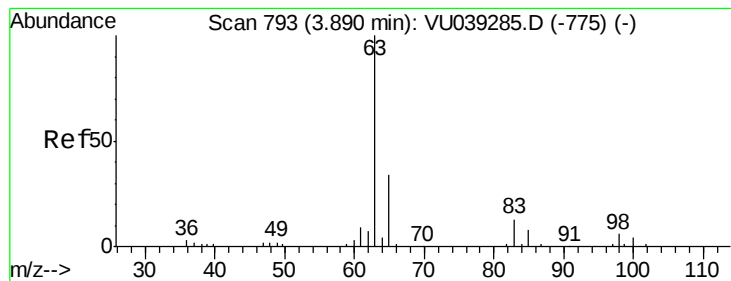
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#18
trans-1,2-Dichloroethene
Concen: 5.721 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039298.D
Acq: 06 Jul 2020 17:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	104.7	194.5
98	60.0	43.1	80.1





#19

1,1-Dichloroethane

Concen: 1.994 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039298.D

Acq: 06 Jul 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

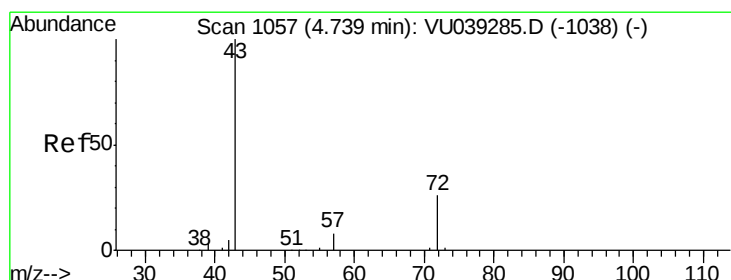
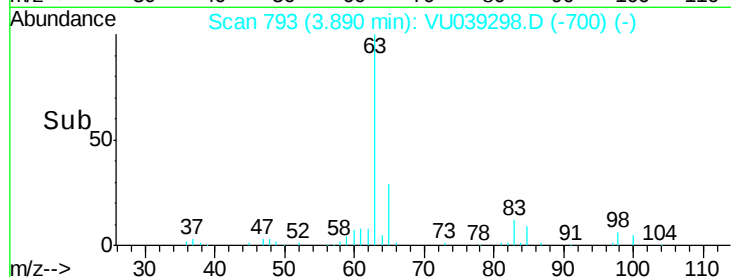
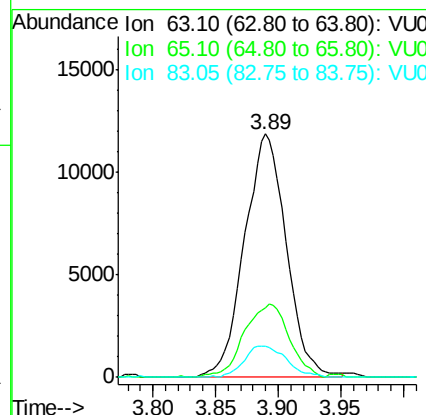
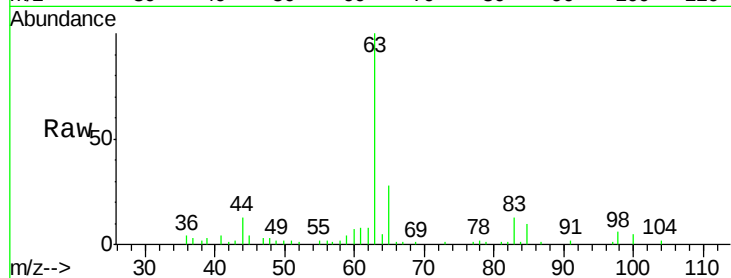
H4277

Tot Ion:	63	Resp:	27586
Ion	Ratio	Lower	Upper
63	100		
65	28.5	22.7	42.3
83	12.7	9.1	16.9

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#21

2-Butanone

Concen: 97.677 ug/L

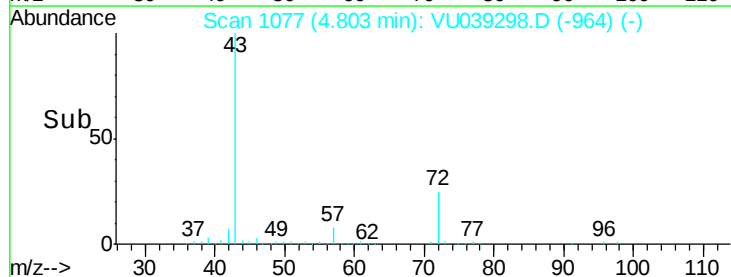
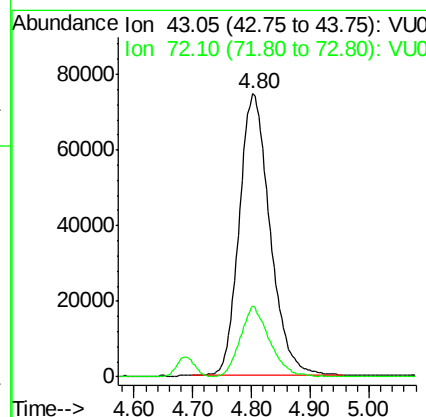
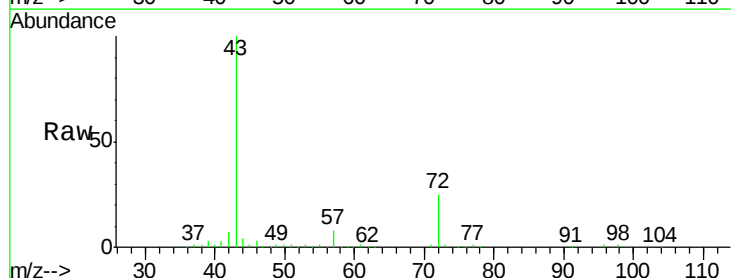
RT: 4.80 min Scan# 1077

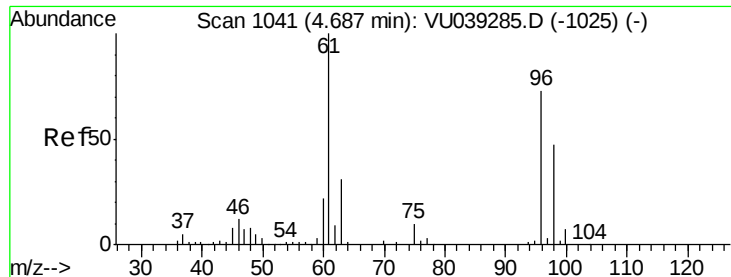
Delta R.T. 0.06 min

Lab File: VU039298.D

Acq: 06 Jul 2020 17:56

Tgt Ion:	43	Resp:	273414
Ion	Ratio	Lower	Upper
43	100		
72	24.0	12.8	38.3





#22

cis-1,2-Dichloroethene

Concen: 114.845 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039298.D

Acq: 06 Jul 2020 17:56

Instrument :

MSVOA_U

ClientSampleId :

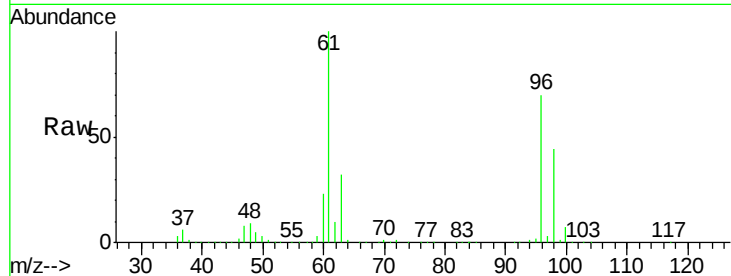
H4277

Tot Ion:	96	Resp:	903770
Ion	Ratio	Lower	Upper
96	100		
61	143.7	93.7	173.9
68	0.0	0.0	0.0

Manual Integrations
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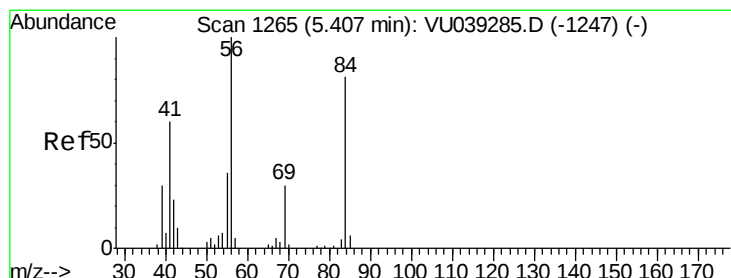
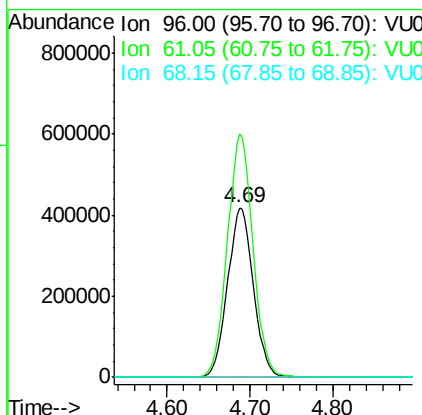
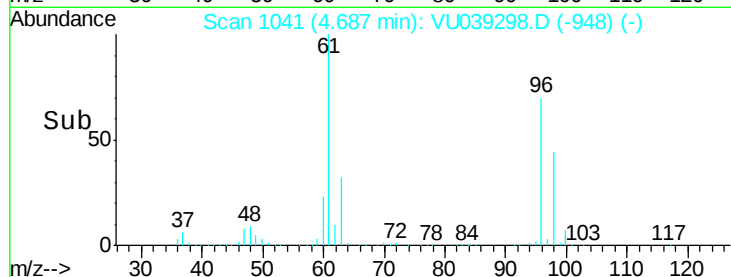
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Abundance Ion 96.00 (95.70 to 96.70): VU039298.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039298.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039298.D (-948) (-)



#30

Cyclohexane

Concen: 0.169 ug/L m

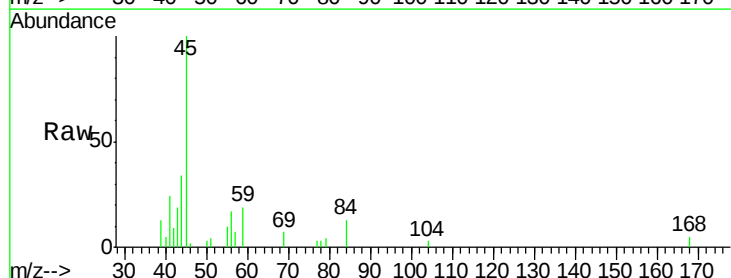
RT: 5.39 min Scan# 1260

Delta R.T. -0.02 min

Lab File: VU039298.D

Acq: 06 Jul 2020 17:56

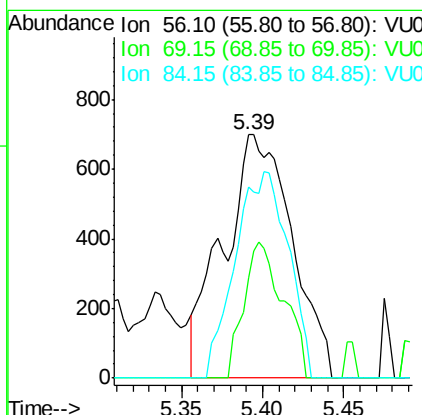
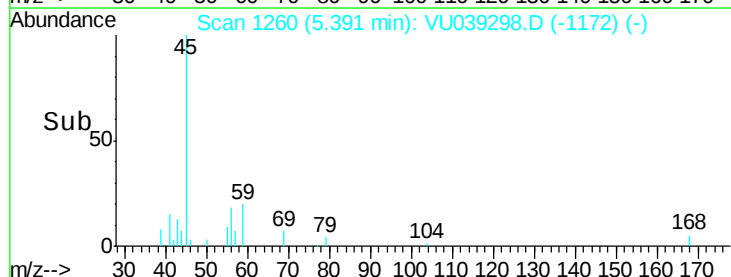
Tgt Ion:	56	Resp:	2059
Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.2	36.4
84	65.4	67.0	100.4#

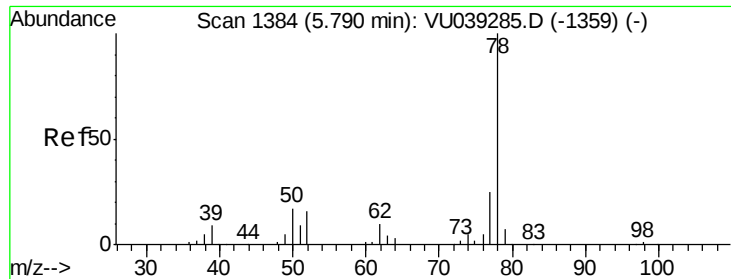


Abundance Ion 56.10 (55.80 to 56.80): VU039298.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU039298.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU039298.D (-1172) (-)





#33
Benzene
Concen: 0.854 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039298.D
Acq: 06 Jul 2020 17:56

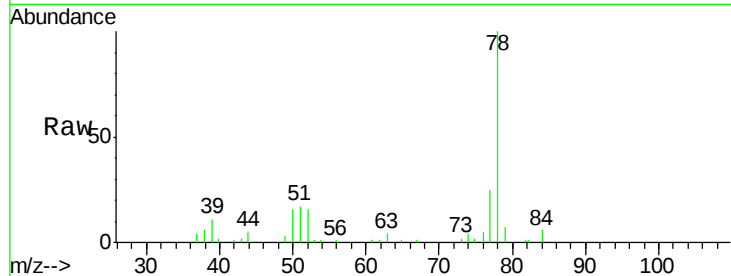
Instrument :
MSVOA_U
ClientSampled :
H4277

Tgt Ion: 78 Resp: 25485

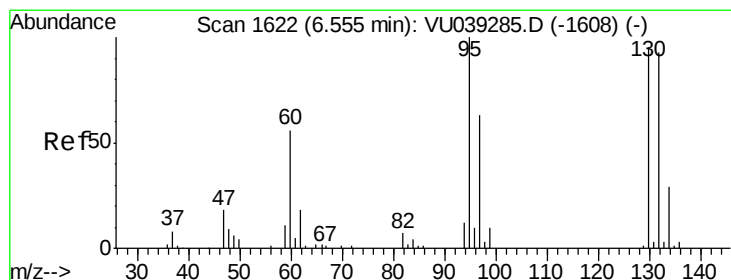
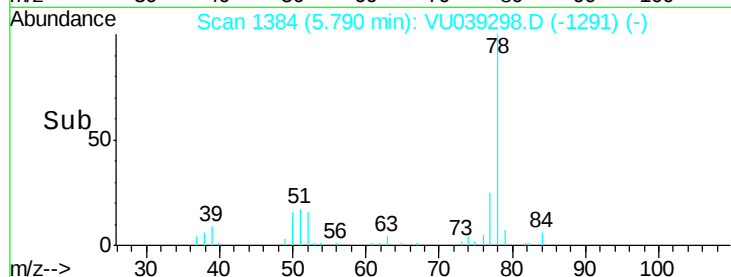
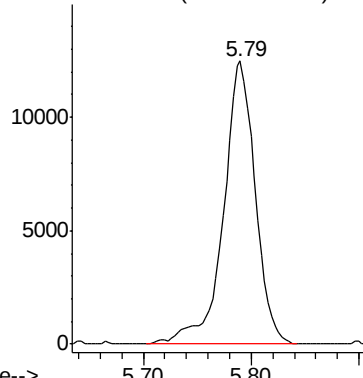
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Abundance Ion 78.10 (77.80 to 78.80): VU0



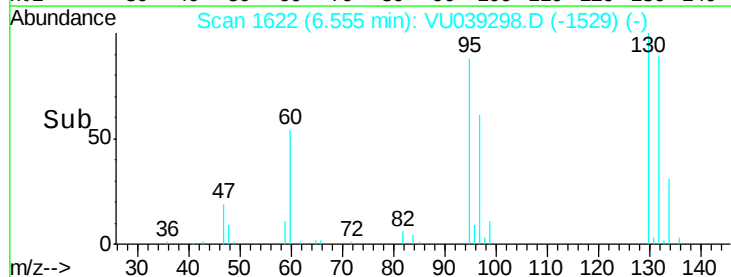
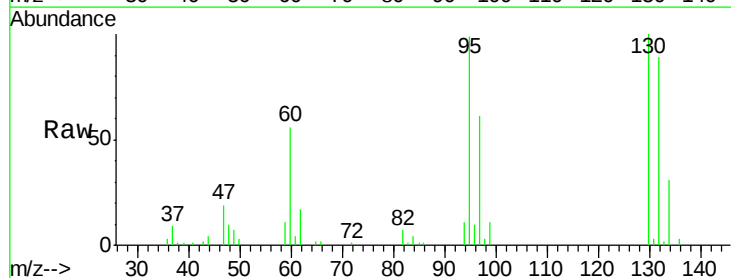
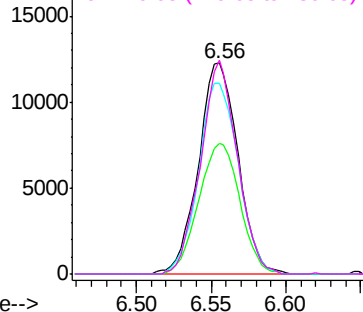
#34
Trichloroethene
Concen: 2.932 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039298.D
Acq: 06 Jul 2020 17:56

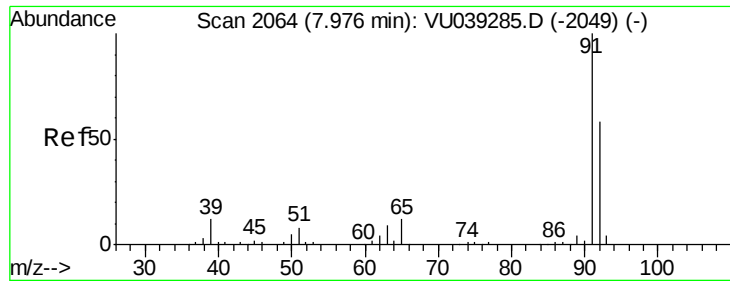
Tgt Ion: 95 Resp: 22558

Ion	Ratio	Lower	Upper
95	100		
97	62.1	47.0	87.2
132	90.3	65.0	120.8
130	101.4	69.8	129.6

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: 0.206 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039298.D

Acq: 06 Jul 2020 17:56

Instrument :

MSVOA_U

ClientSampled :

H4277

Tot Ion: 91 Resp: 6702

Ion Ratio Lower Upper

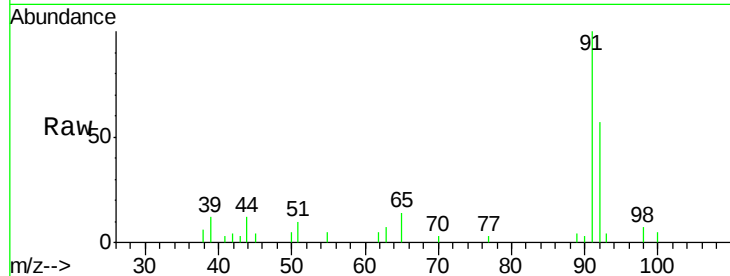
91 100

92 56.7 39.3 72.9

Manual Integrations
APPROVED

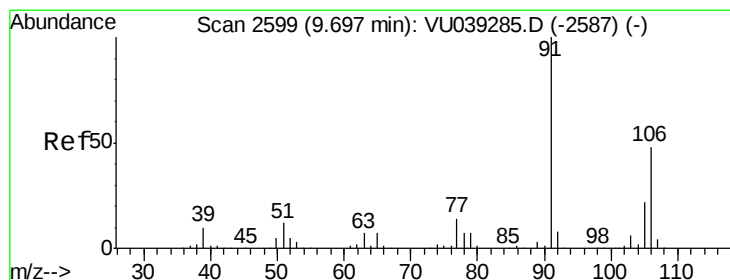
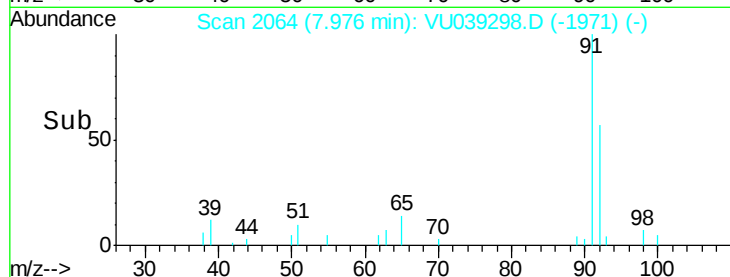
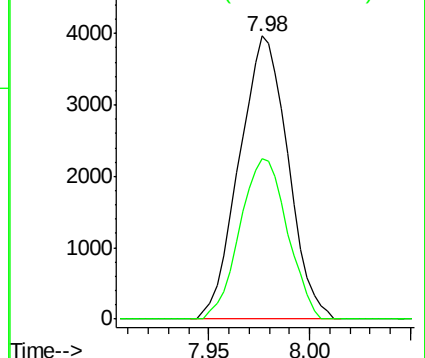
MMDadoda

7/8/2020 2:52:48 PM



Abundance Ion 91.15 (90.85 to 91.85): VU039298.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039298.D (-2049) (-)



#53

m,p-Xylene

Concen: 0.099 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039298.D

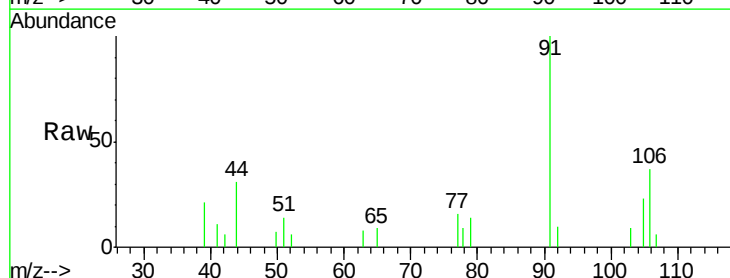
Acq: 06 Jul 2020 17:56

Tgt Ion: 106 Resp: 1347

Ion Ratio Lower Upper

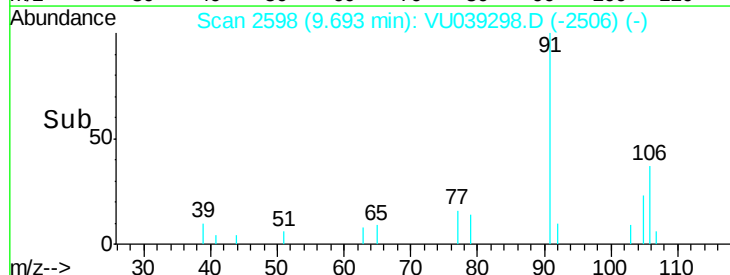
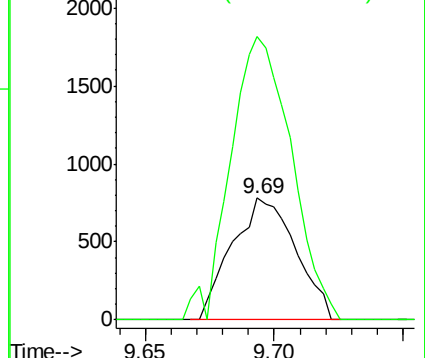
106 100

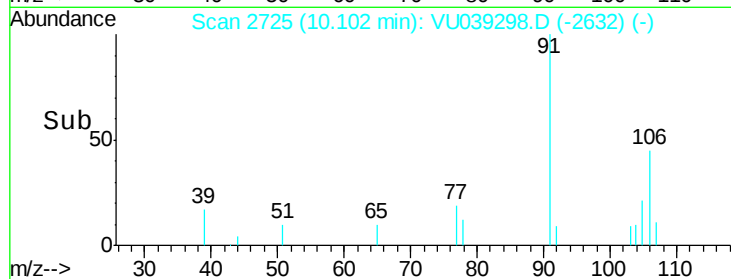
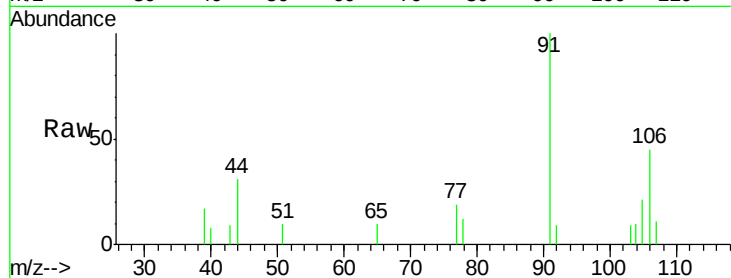
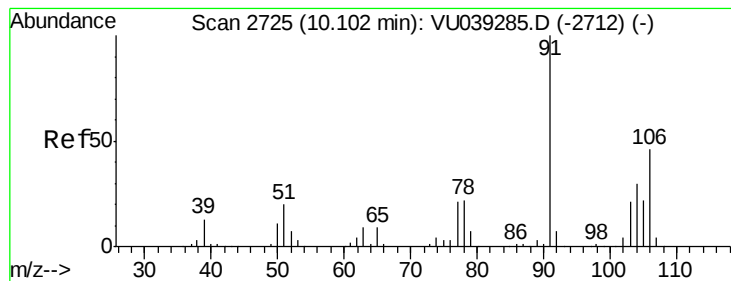
91 232.9 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VU039298.D (-2587) (-)

Ion 91.15 (90.85 to 91.85): VU039298.D (-2587) (-)





#54

o-Xylene

Concen: 0.075 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039298.D

Acq: 06 Jul 2020 17:56

Tot Ion: 106 Resp: 1014

Ion Ratio Lower Upper

106 100

91 224.4 153.6 285.3

Instrument :

MSVOA_U

ClientSampleId :

H4277

Manual Integrations

APPROVED

MMDadoda

7/8/2020 2:52:48 PM

