

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040855.D
 Acq On : 20 Oct 2020 18:20
 Operator : SY/MD
 Sample : L4428-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 ETZ48

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 4:05:41 PM

Quant Time: Oct 21 01:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119808	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124287	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51656	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	45665	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.92	69	37758	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.58	63	71151	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.66	46	182011	57.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.58%
24) Chloroform-d	5.08	84	84686	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.72	65	54199	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.74	84	158537	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	55459	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	128590	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	21436	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	134217	55.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48950	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	51847	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	3233	0.318	ug/L	88
5) Vinyl chloride	1.61	62	472805	44.226	ug/L	98
12) 1,1-Dichloroethene	2.59	96	8832	1.033	ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	3196	0.132	ug/L #	84
18) trans-1,2-Dichloroethene	3.37	96	15260	1.705	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	3401577	352.496	ug/L	100
30) Cyclohexane	5.40	56	2114m	0.137	ug/L	
34) Trichloroethene	6.56	95	2278763	220.164	ug/L	95
35) Methylcyclohexane	6.77	83	2026	0.138	ug/L #	69
47) Tetrachloroethene	8.57	164	6413992	868.587	ug/L	90
52) Ethylbenzene	9.57	91	2085	0.047	ug/L	92
53) m,p-Xylene	9.70	106	1915	0.119	ug/L	98

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

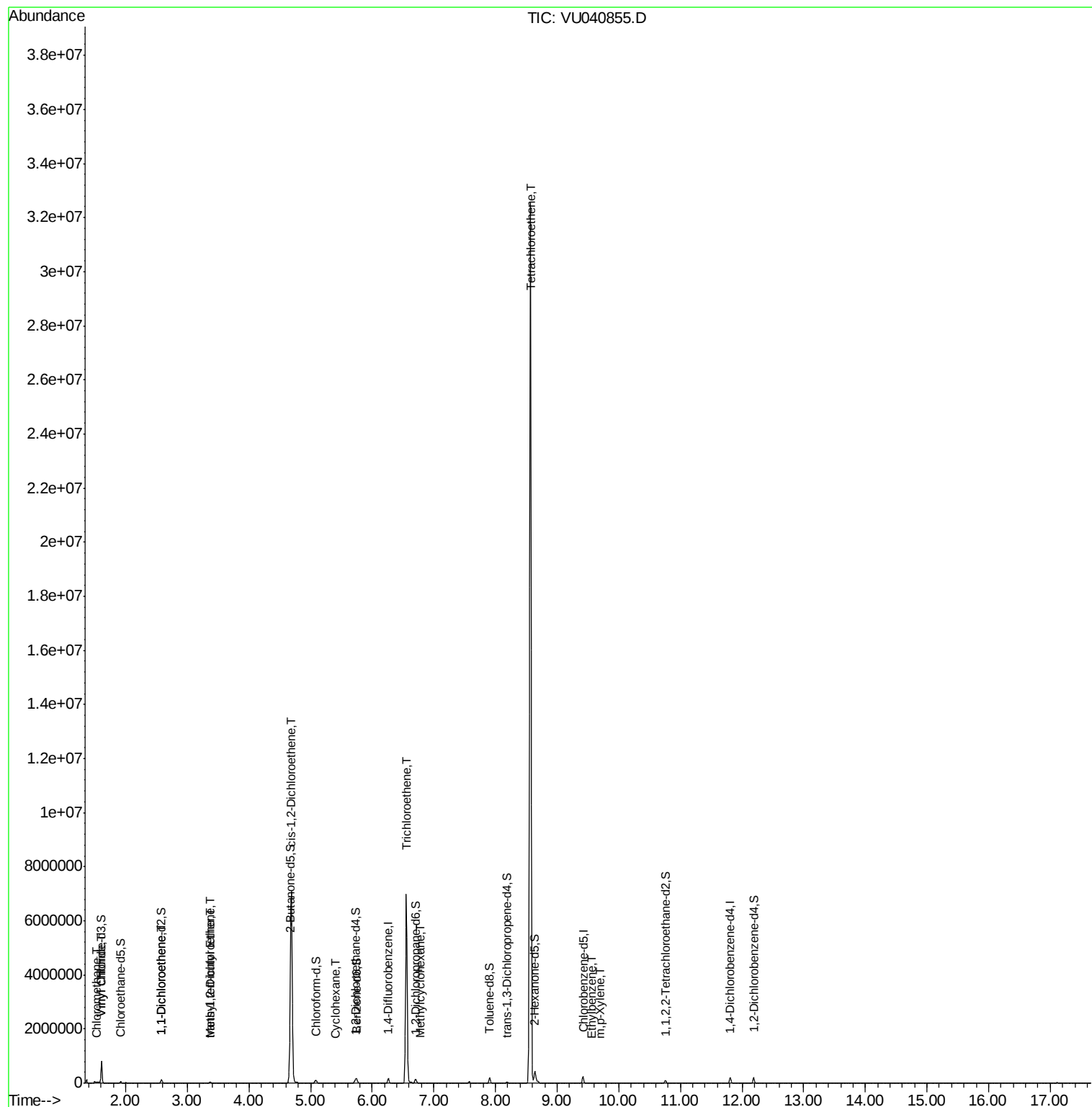
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU102020\
Data File : VU040855.D
Acq On : 20 Oct 2020 18:20
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ALS Vial : 19 Sample Multiplier: 1

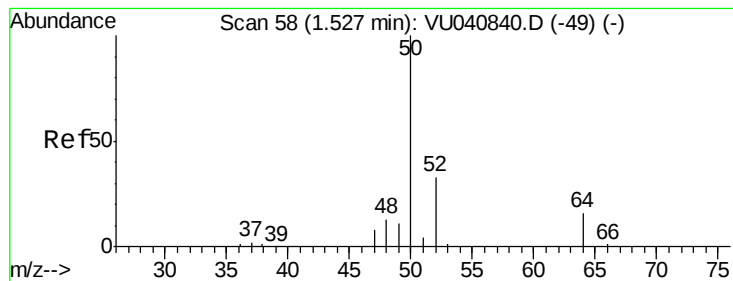
Instrument :
MSVOA_U
ClientSampleId :
ETZ48

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Quant Time: Oct 21 01:27:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 23:49:45 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.318 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040855.D

Acq: 20 Oct 2020 18:20

Instrument :

MSVOA_U

ClientSampleId :

ETZ48

Tot Ion: 50 Resp: 3233

Ion Ratio Lower Upper

50 100

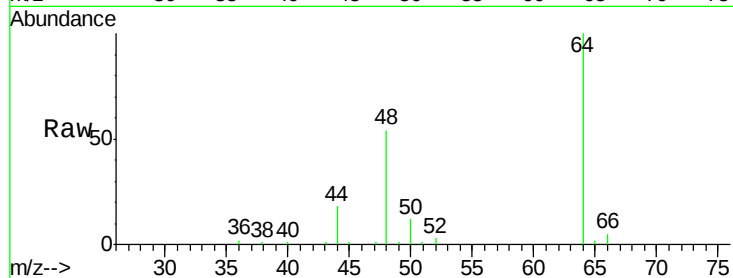
52 24.6 21.9 40.7

Manual Integrations

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Abundance Ion 50.05 (49.75 to 50.75): VU040840.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040840.D (-49) (-)

4000

3000

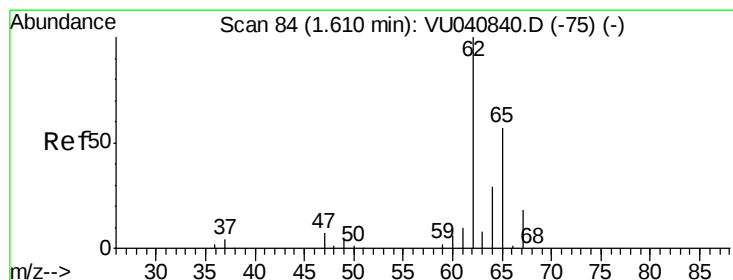
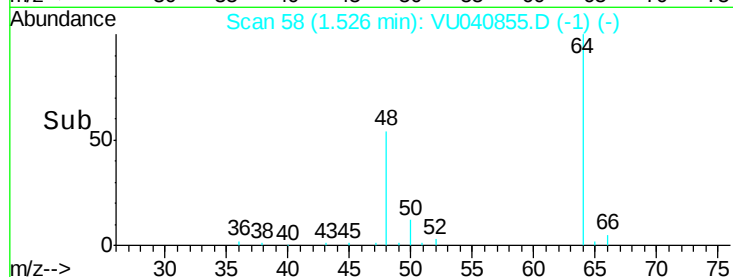
2000

1000

0

1.50 1.55

Time-->



#5

Vinyl chloride

Concen: 44.226 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040855.D

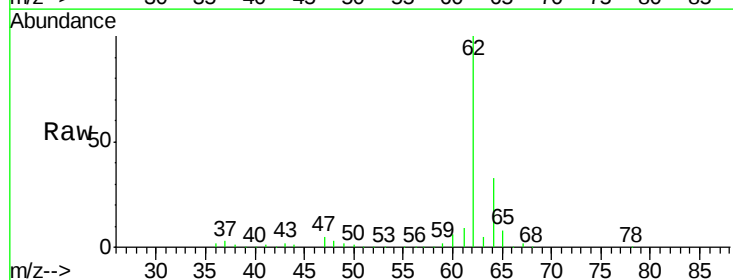
Acq: 20 Oct 2020 18:20

Tgt Ion: 62 Resp: 472805

Ion Ratio Lower Upper

62 100

64 32.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU040840.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040840.D (-75) (-)

500000

400000

300000

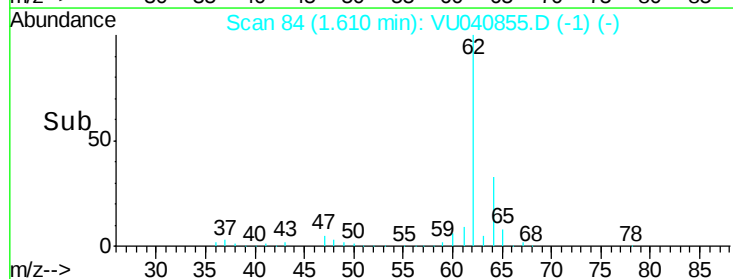
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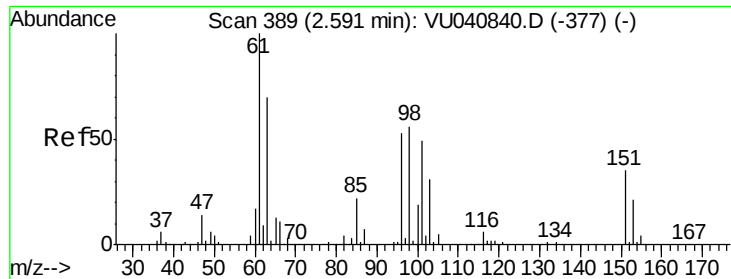
100000

0

1.55 1.60 1.65 1.70

Time-->





#12

1,1-Dichloroethene

Concen: 1.033 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040855.D

Acq: 20 Oct 2020 18:20

Instrument :

MSVOA_U

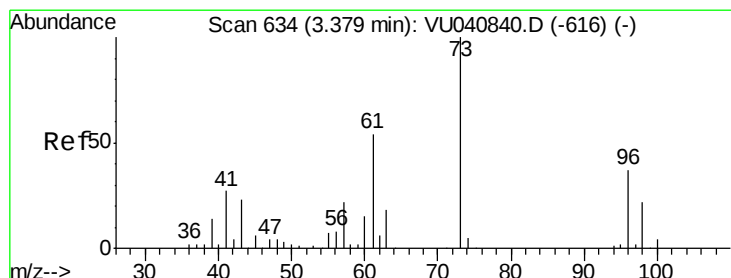
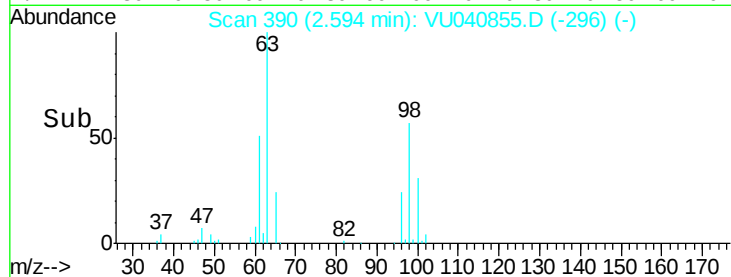
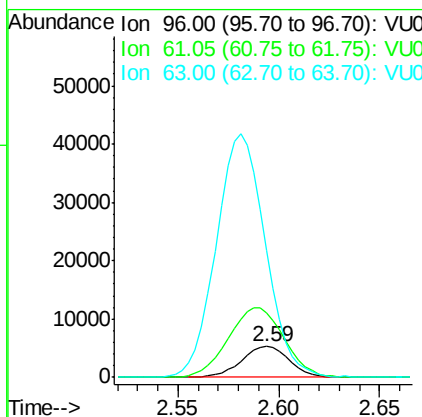
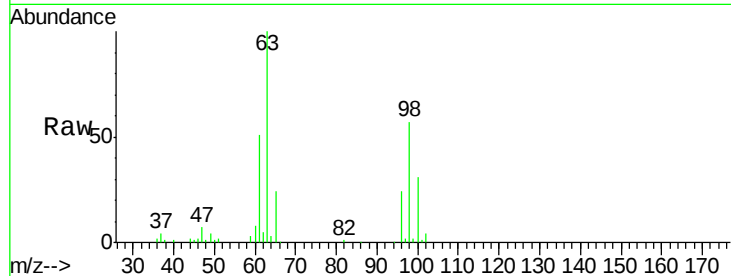
ClientSampled :

ETZ48

Tot Ion:	96	Resp:	8832
Ion	Ratio	Lower	Upper
96	100		
61	211.1	128.8	239.2
63	416.0	84.6	157.2#

Manual Integrations
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#17

Methyl tert-butyl Ether

Concen: 0.132 ug/L

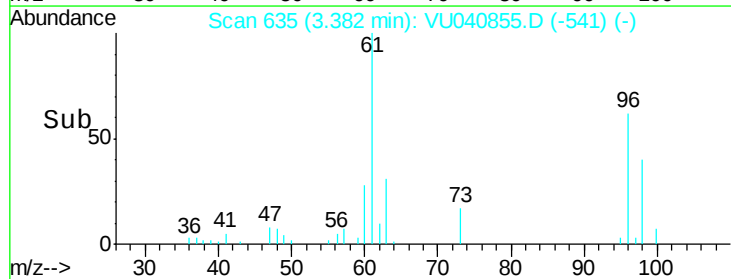
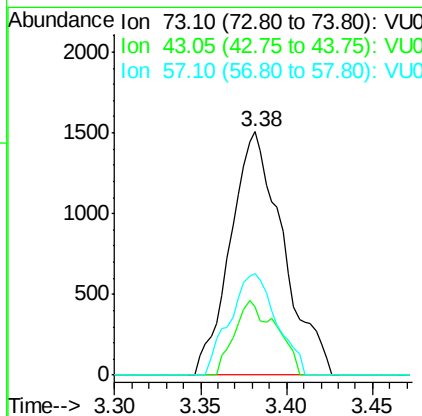
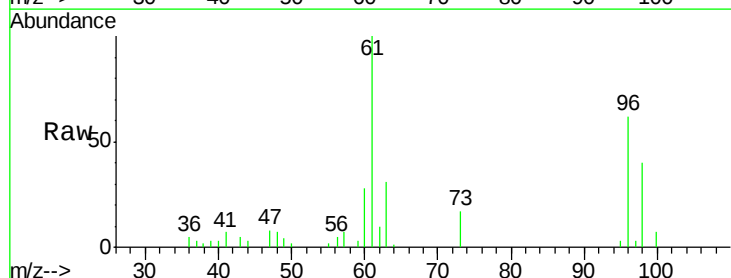
RT: 3.38 min Scan# 635

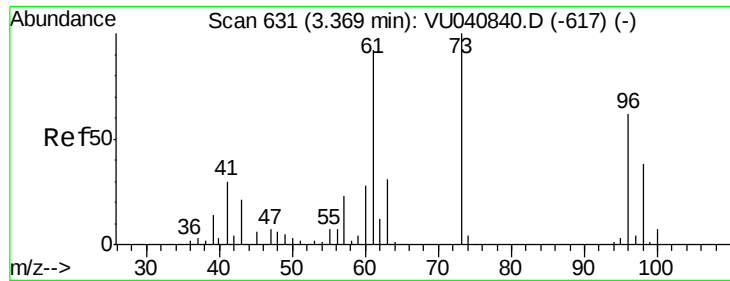
Delta R.T. 0.00 min

Lab File: VU040855.D

Acq: 20 Oct 2020 18:20

Tgt Ion:	73	Resp:	3196
Ion	Ratio	Lower	Upper
73	100		
43	24.3	18.2	27.4
57	37.2	18.6	28.0#





#18

trans-1,2-Dichloroethene

Concen: 1.705 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040855.D

Acq: 20 Oct 2020 18:20

Instrument :

MSVOA_U

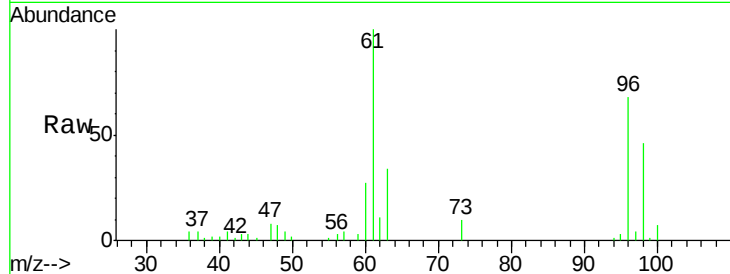
ClientSampleId :

ETZ48

Tot Ion:	96	Resp:	15260
Ion	Ratio	Lower	Upper
96	100		
61	146.0	105.9	196.7
98	66.7	43.8	81.3

Manual Integrations
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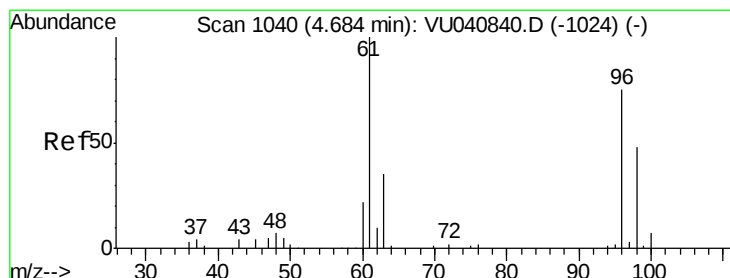
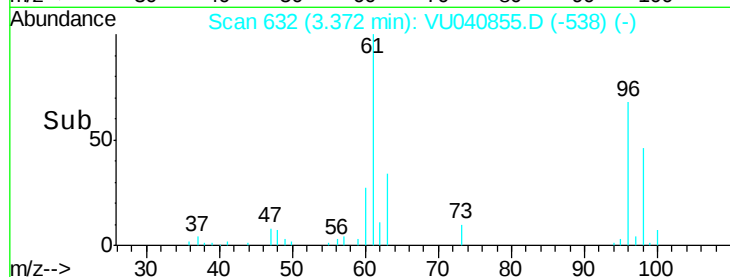
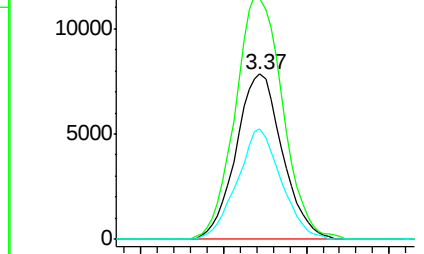
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Abundance Ion 96.00 (95.70 to 96.70): VU040840.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU040840.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU040840.D (-617) (-)



#22

cis-1,2-Dichloroethene

Concen: 352.496 ug/L

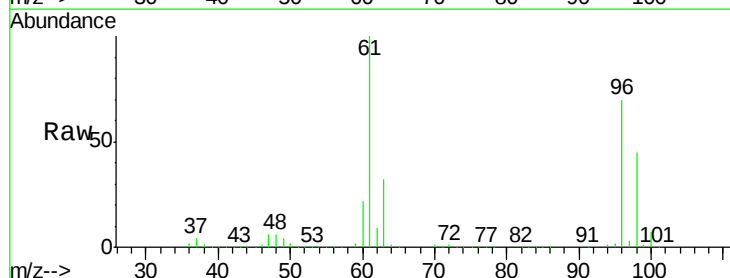
RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040855.D

Acq: 20 Oct 2020 18:20

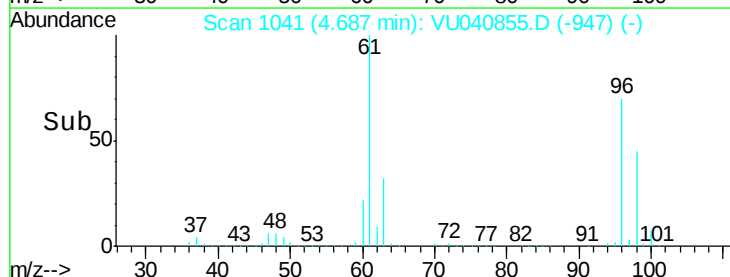
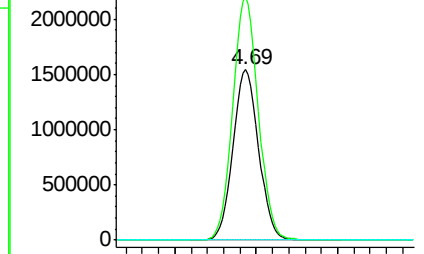
Tgt Ion:	96	Resp:	3401577
Ion	Ratio	Lower	Upper
96	100		
61	143.0	99.8	185.4
68	0.0	0.0	0.0

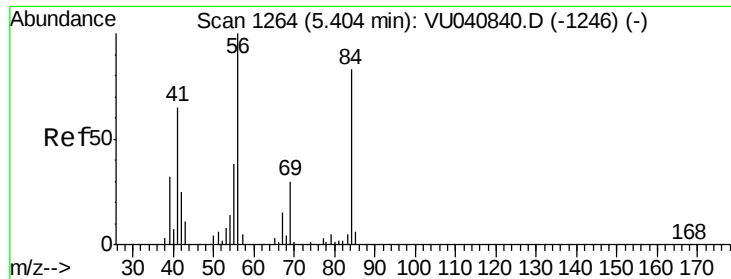


Abundance Ion 96.00 (95.70 to 96.70): VU040840.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040840.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040840.D (-1024) (-)





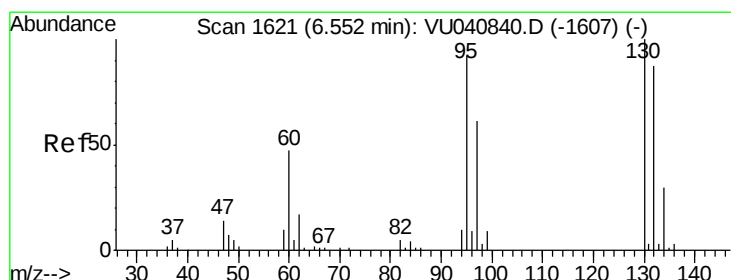
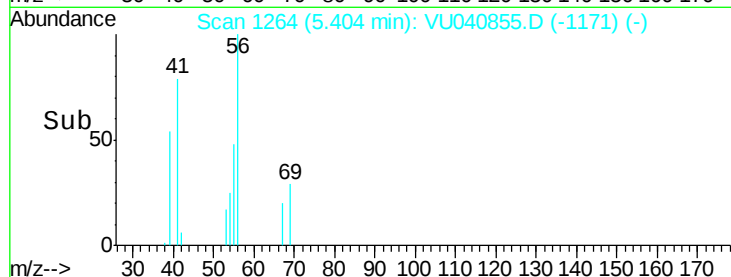
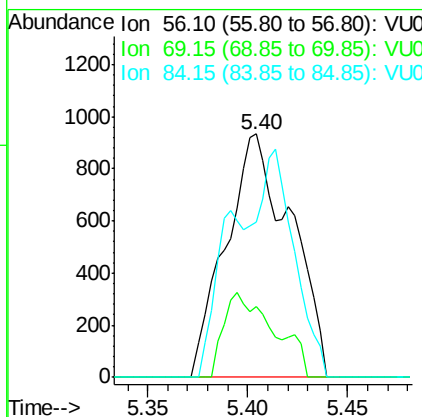
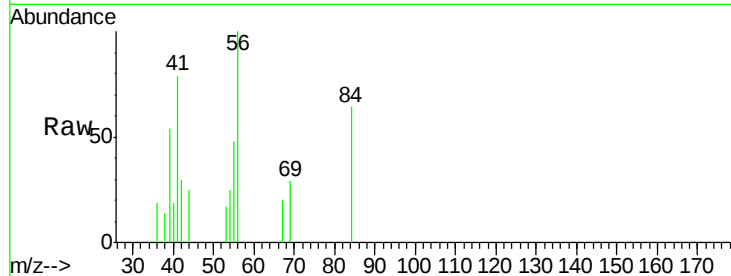
#30
Cyclohexane
Concen: 0.137 ug/L m
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040855.D
Acq: 20 Oct 2020 18:20

Instrument :
MSVOA_U
ClientSampleId :
ETZ48

Tot Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.8	35.8#
84	51.7	64.0	96.0#

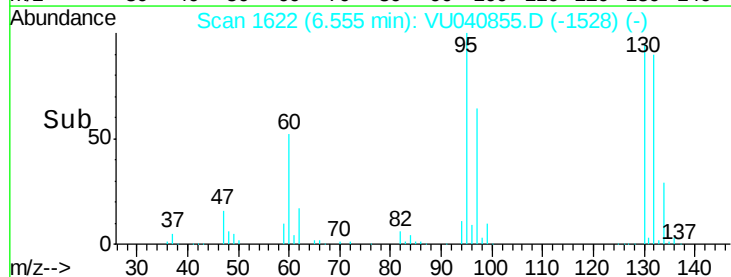
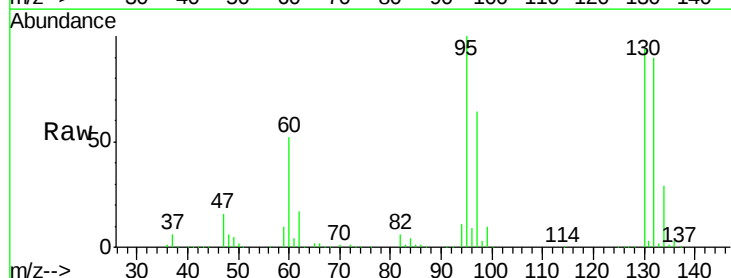
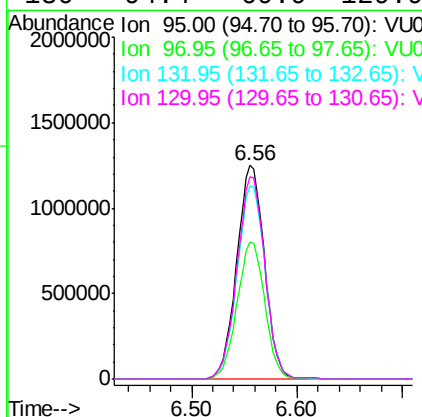
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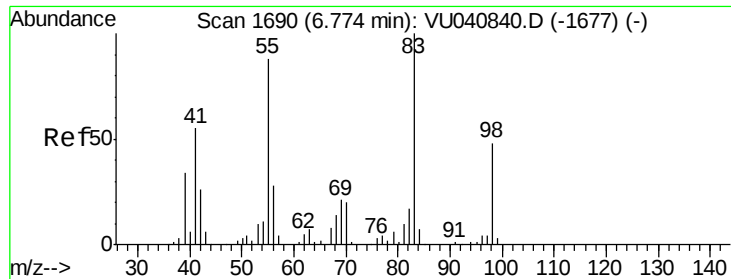
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#34
Trichloroethene
Concen: 220.164 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU040855.D
Acq: 20 Oct 2020 18:20

Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.5	84.5
132	90.4	67.5	125.4
130	94.4	69.9	129.9





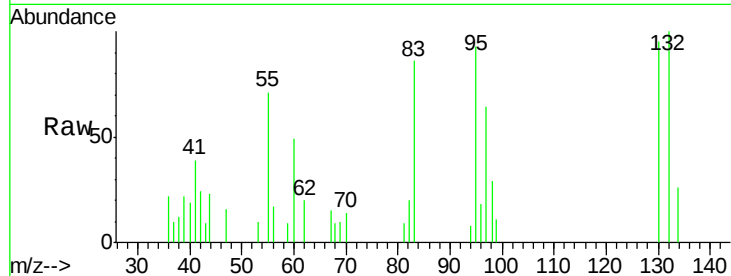
#35
Methvlcvclohexane
Concen: 0.138 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU040855.D
Acq: 20 Oct 2020 18:20

Instrument :
MSVOA_U
ClientSampleId :
ETZ48

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.3	70.7	106.1
98	0.0	38.4	57.6#

Manual Integrations
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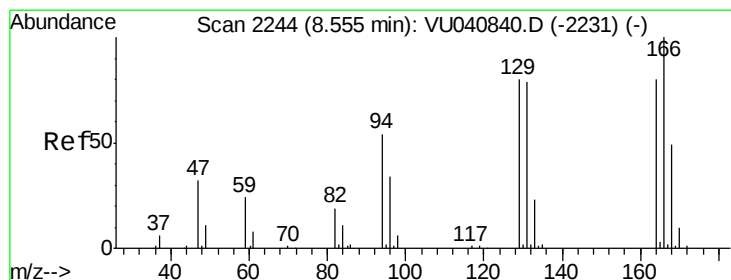
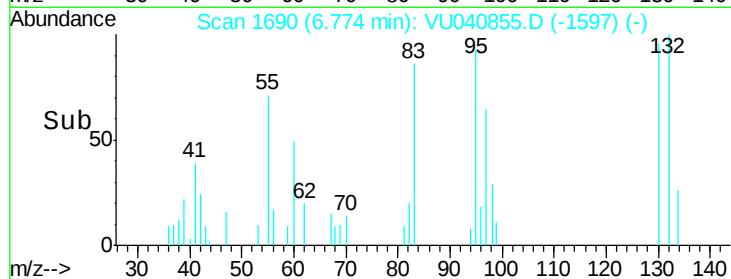
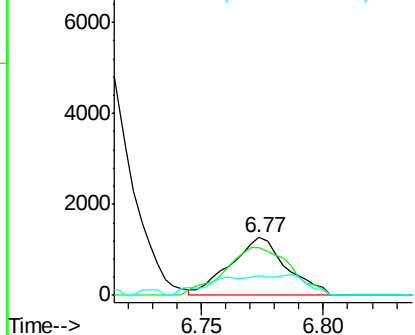
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Abundance Ion 83.15 (82.85 to 83.85): VU040840.D (-1677) (-)

Ion 55.10 (54.80 to 55.80): VU040840.D (-1677) (-)

Ion 98.15 (97.85 to 98.85): VU040840.D (-1677) (-)



#47
Tetrachloroethene
Concen: 868.587 ug/L
RT: 8.57 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VU040855.D
Acq: 20 Oct 2020 18:20

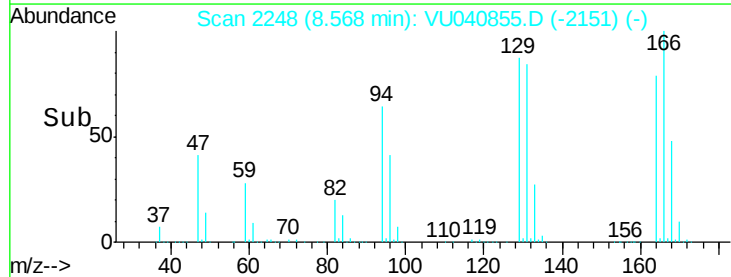
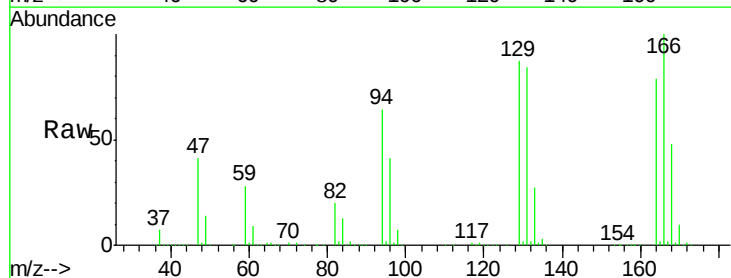
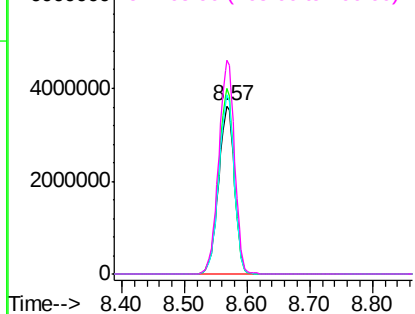
Tgt Ion	Ratio	Lower	Upper
164	100		
129	110.8	68.8	127.8
131	106.5	66.7	123.9
166	127.3	83.9	155.7

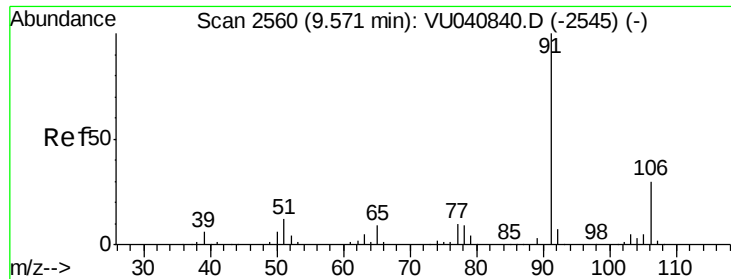
Abundance Ion 163.90 (163.60 to 164.60): VU040840.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040840.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040840.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040840.D (-2231) (-)





#52

Ethylbenzene

Concen: 0.047 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU040855.D

Acq: 20 Oct 2020 18:20

Tot Ion: 91 Resp: 2085

Ion Ratio Lower Upper

91 100

106 25.5 20.7 38.5

Instrument :

MSVOA_U

ClientSampled :

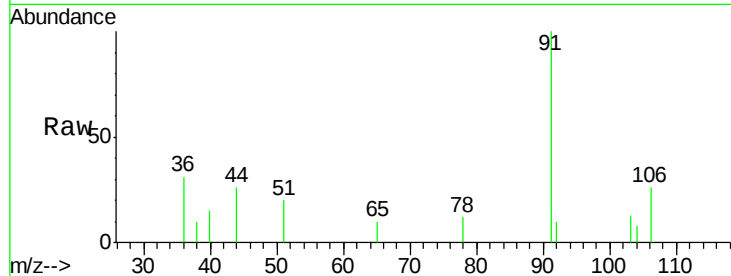
ETZ48

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Abundance Ion 91.15 (90.85 to 91.85): VU040840.D (-2545) (-)

Ion 106.15 (105.85 to 106.85): VU040840.D (-2545) (-)

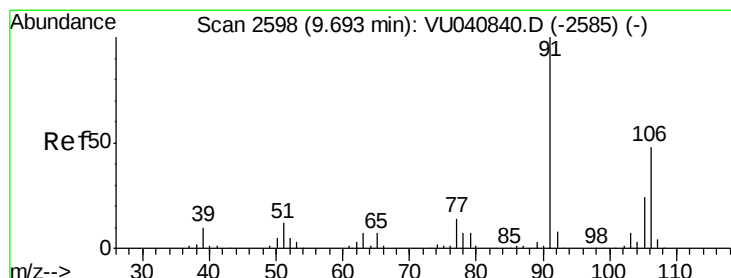
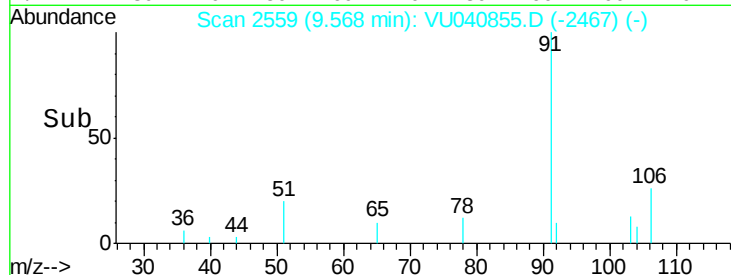
9.57

1000

500

0

Time-->



#53

m,p-Xylene

Concen: 0.119 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040855.D

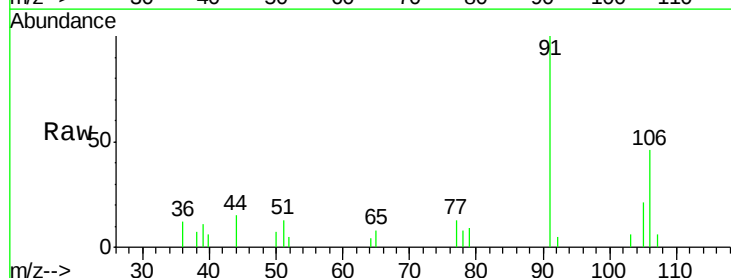
Acq: 20 Oct 2020 18:20

Tgt Ion: 106 Resp: 1915

Ion Ratio Lower Upper

106 100

91 215.6 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040840.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU040840.D (-2585) (-)

9.70

3000

2500

2000

1500

1000

500

0

Time-->

