

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041354.D
 Acq On : 19 Nov 2020 19:36
 Operator : SY/MD
 Sample : L4790-19MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4419MS

Manual Integrations
 APPROVED

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 11/20/2020 2:20:58 PM

Quant Time: Nov 20 07:50:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59765	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60619	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14565	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.92	69	14142	3.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.20%
11) 1,1-Dichloroethene-d2	2.58	63	36604	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.66	46	95179	52.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.02%
24) Chloroform-d	5.08	84	43422	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.72	65	27504	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.74	84	64726	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.20%
36) 1,2-Dichloropropane-d6	6.70	67	25533	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.91	98	50044	3.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.00%#
43) trans-1,3-Dichloropropene-	8.18	79	9654	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.64	63	65453	50.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26319	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	23282	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	69529	13.401	ug/L #	56
12) 1,1-Dichloroethene	2.59	96	23709	6.094	ug/L	85
13) Acetone	2.67	43	1195m	0.994	ug/L	
14) Carbon disulfide	2.81	76	2335	0.204	ug/L #	89
17) Methyl tert-butyl Ether	3.38	73	119751	11.243	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	21285	5.618	ug/L	97
19) 1,1-Dichloroethane	3.89	63	6875	0.812	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	5499	1.285	ug/L	99
33) Benzene	5.79	78	110230	6.710	ug/L	100
34) Trichloroethene	6.55	95	27063	6.096	ug/L	97
42) Toluene	7.98	91	105470	6.008	ug/L	96
51) Chlorobenzene	9.45	112	69376	5.966	ug/L	100

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

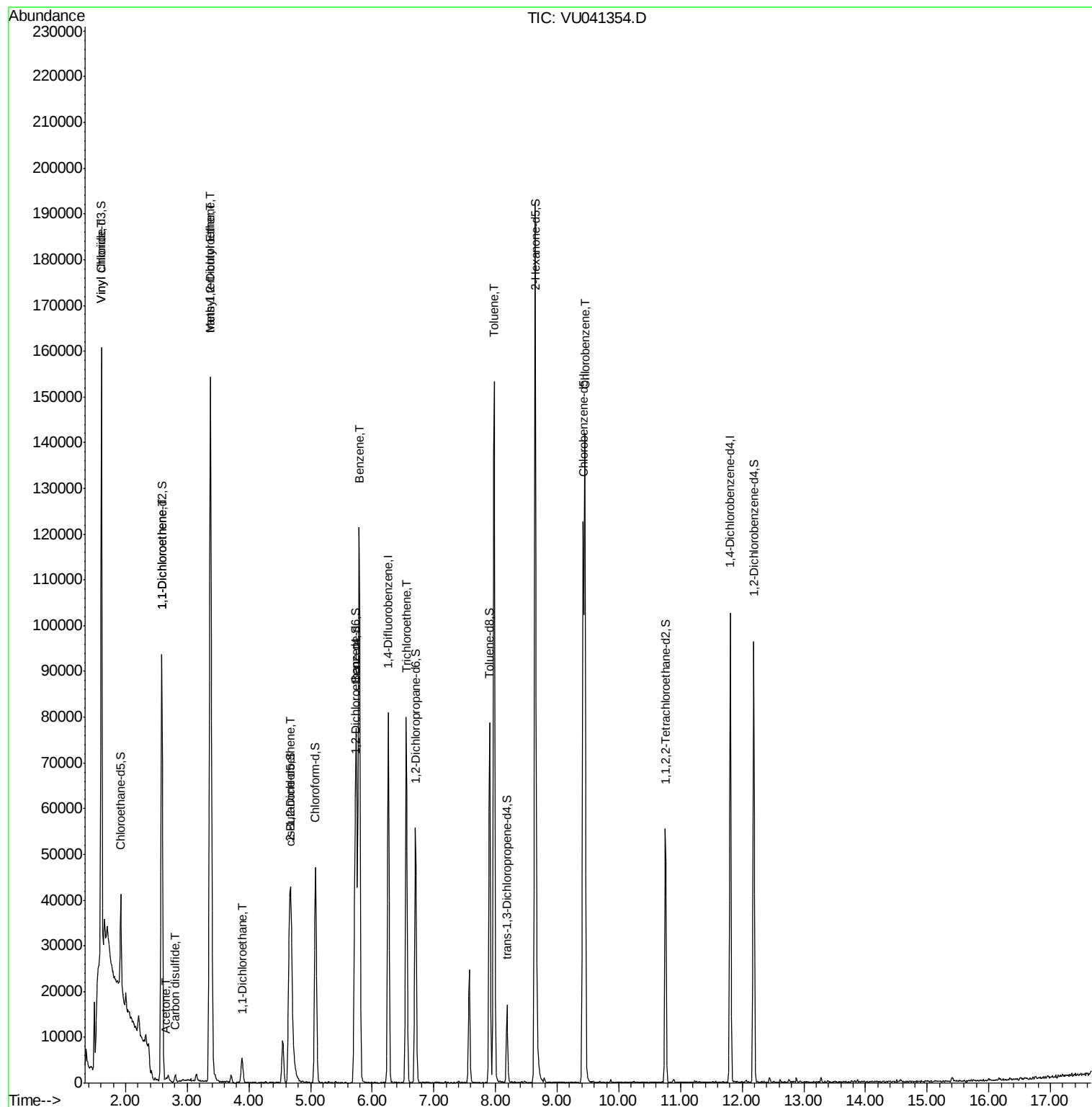
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041354.D
Acq On : 19 Nov 2020 19:36
Operator : SY/MD
Sample : L4790-19MS
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

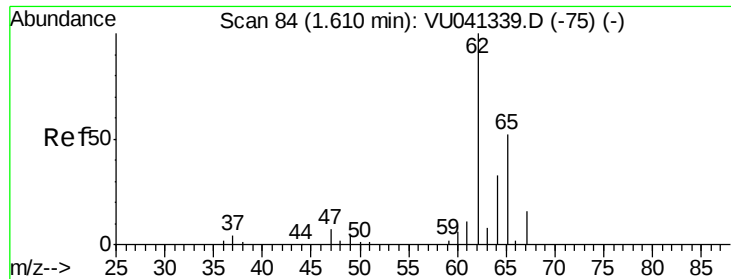
Instrument :
MSVOA_U
ClientSampleId :
H4419MS

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Quant Time: Nov 20 07:50:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 13.401 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

Instrument :

MSVOA_U

ClientSampleId :

H4419MS

Tot Ion: 62 Resp: 69529

Ion Ratio Lower Upper

62 100

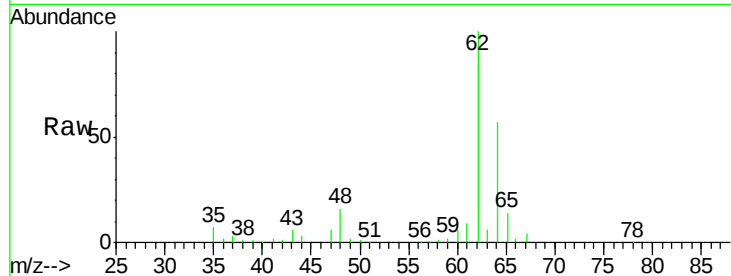
64 57.4 22.7 42.3#

Manual Integrations

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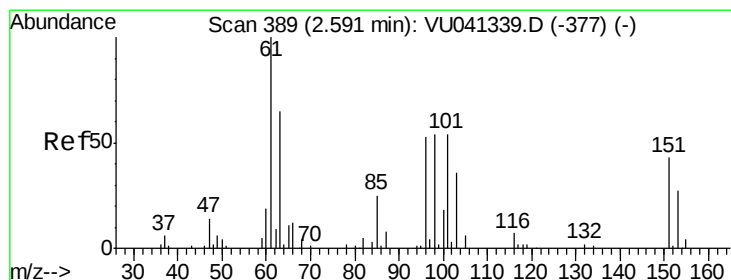
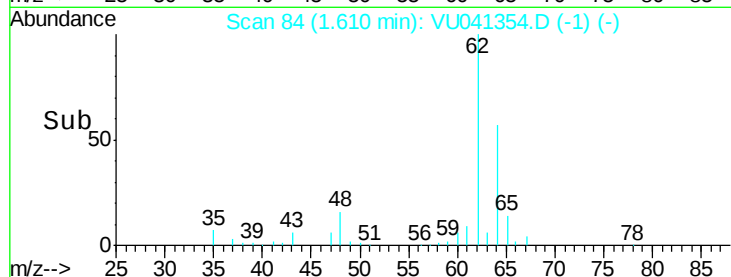
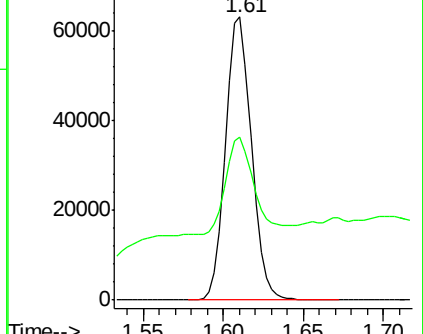
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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 6.094 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

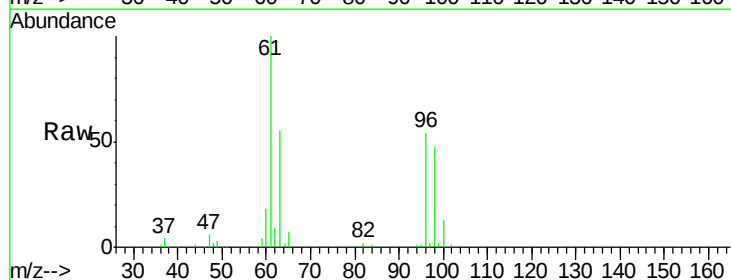
Tgt Ion: 96 Resp: 23709

Ion Ratio Lower Upper

96 100

61 183.9 134.3 249.5

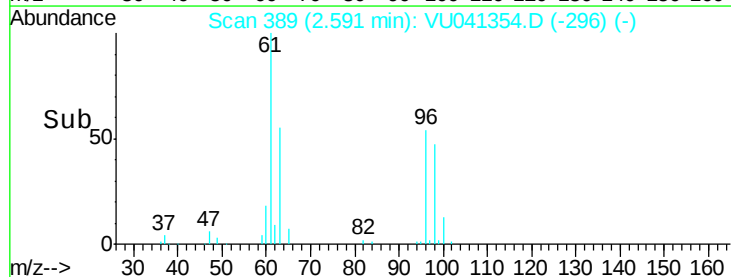
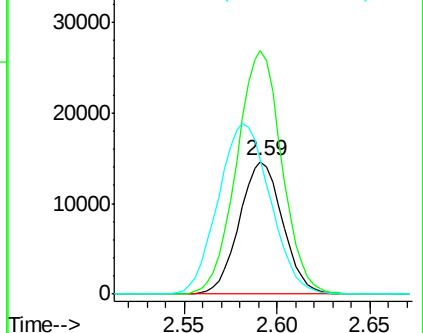
63 101.4 95.0 176.4

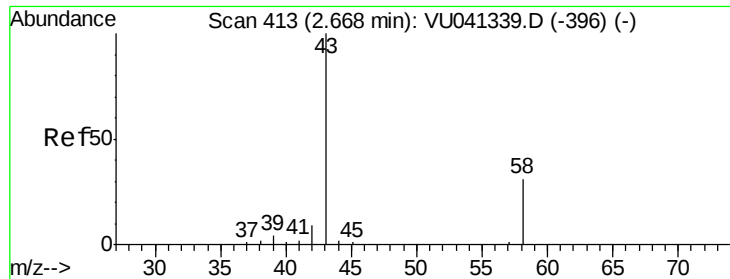


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.994 ug/L m

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

Instrument :

MSVOA_U

ClientSampleId :

H4419MS

Tot Ion: 43 Resp: 1195

Ion Ratio Lower Upper

43 100

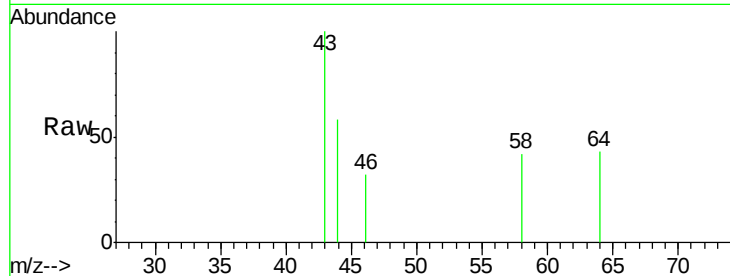
58 11.1 0.0 25.4

Manual Integrations

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Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

400

300

200

100

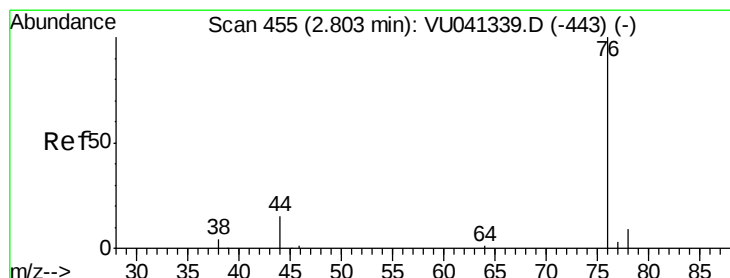
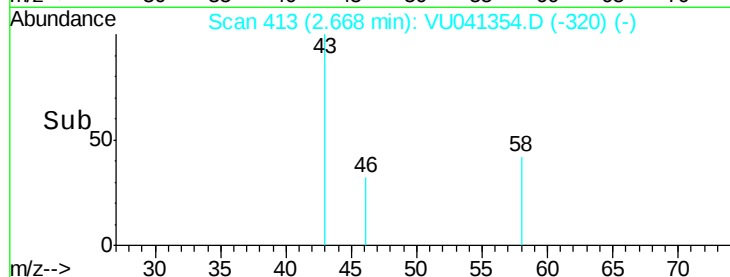
0

2.60

2.65

2.70

Time-->



#14

Carbon disulfide

Concen: 0.204 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041354.D

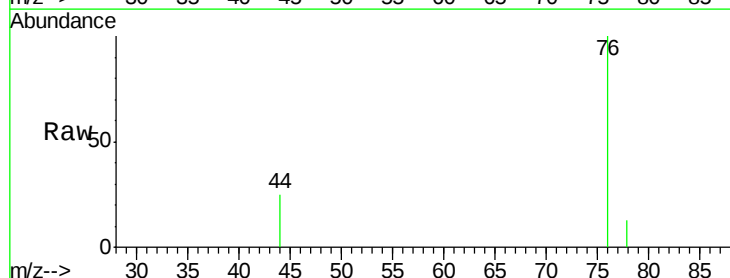
Acq: 19 Nov 2020 19:36

Tgt Ion: 76 Resp: 2335

Ion Ratio Lower Upper

76 100

78 13.3 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

1500

1000

500

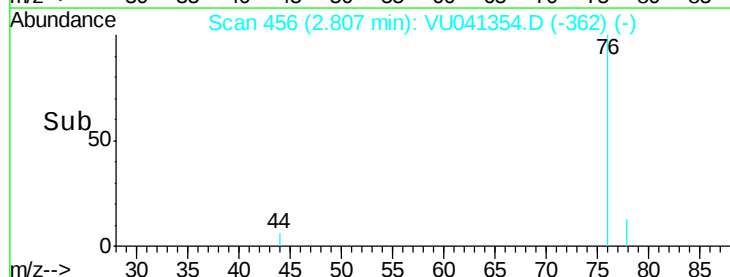
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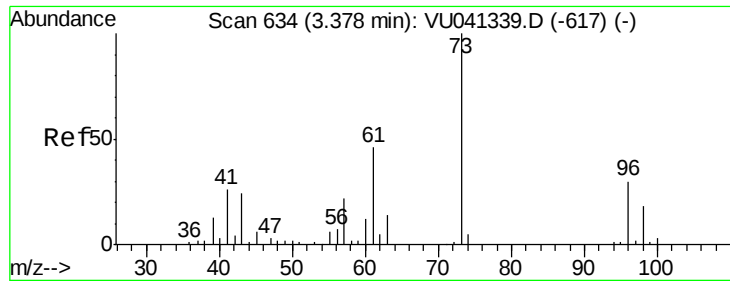
2.75

2.80

2.85

Time-->





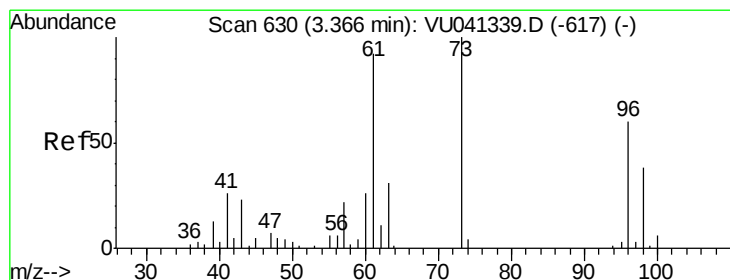
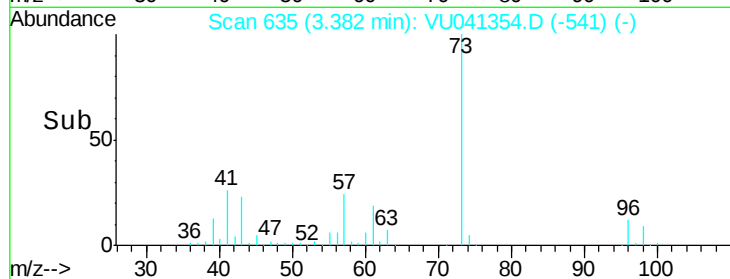
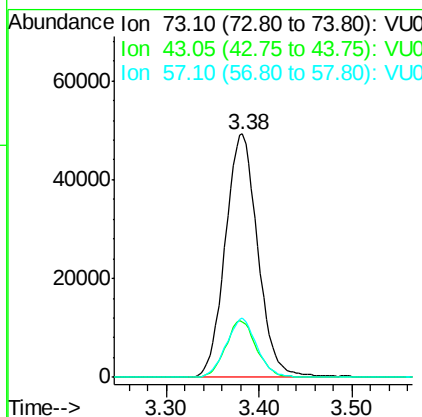
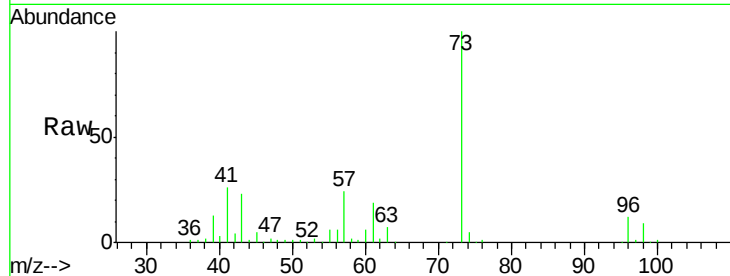
#17
Methvl tert-butvl Ether
Concen: 11.243 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Instrument :
MSVOA_U
ClientSampleId :
H4419MS

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.2	18.5	27.7
57	22.9	18.4	27.6

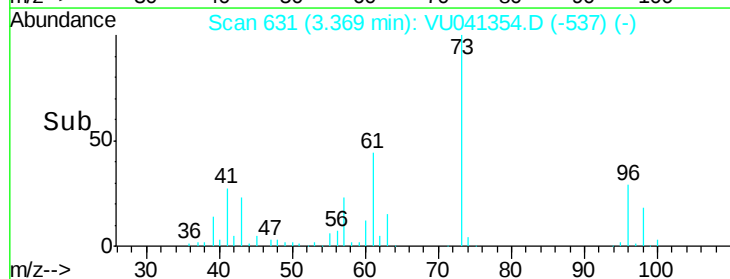
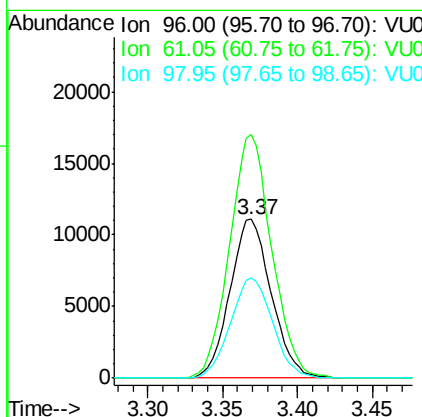
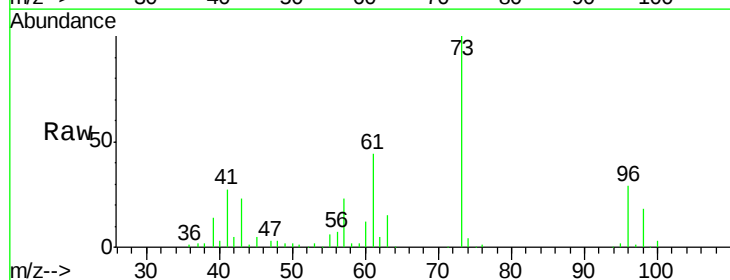
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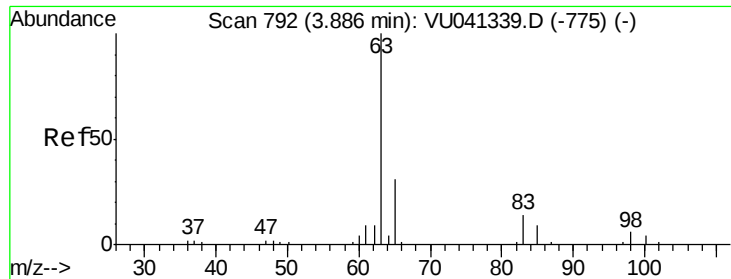
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#18
trans-1,2-Dichloroethene
Concen: 5.618 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	110.9	205.9
98	63.2	45.4	84.2





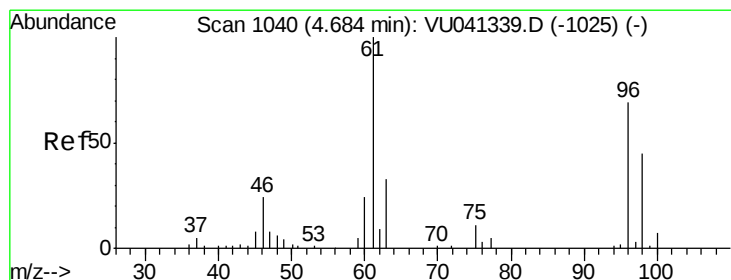
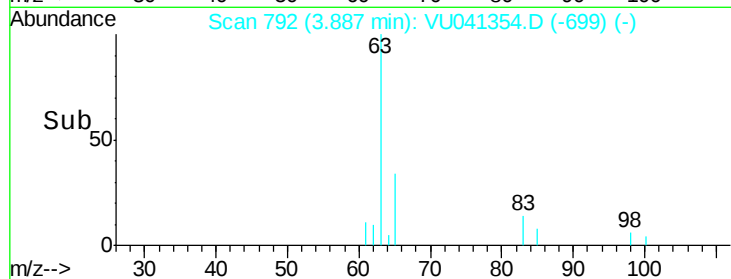
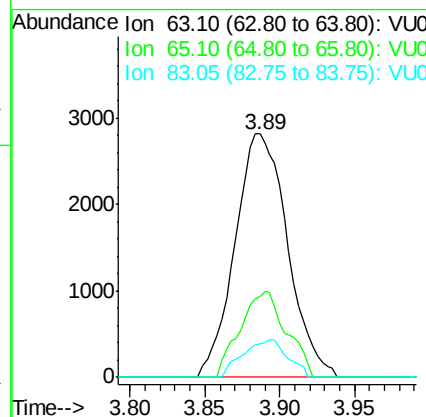
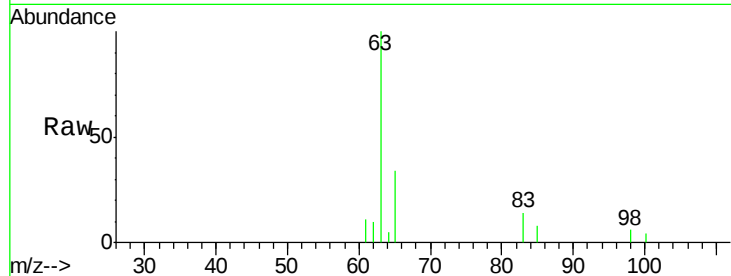
#19
1,1-Dichloroethane
Concen: 0.812 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Instrument :
MSVOA_U
ClientSampleId :
H4419MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.6	21.3	39.6
83	14.0	8.8	16.3

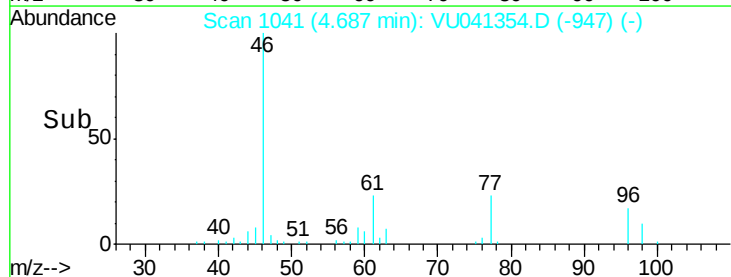
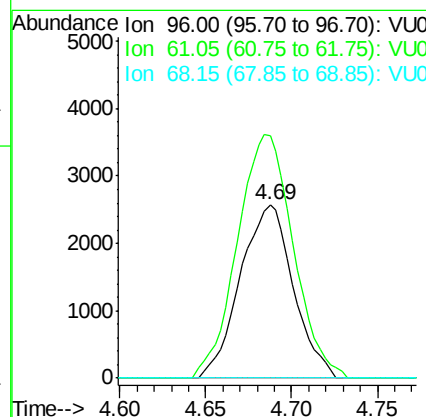
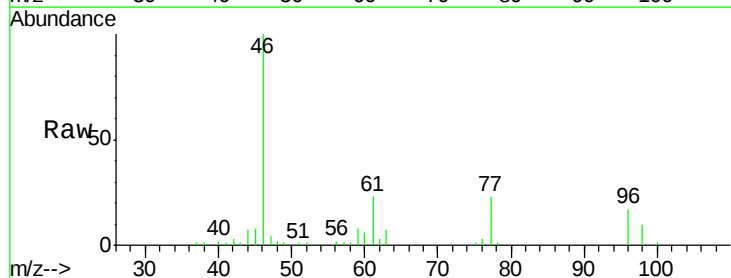
Manual Integrations
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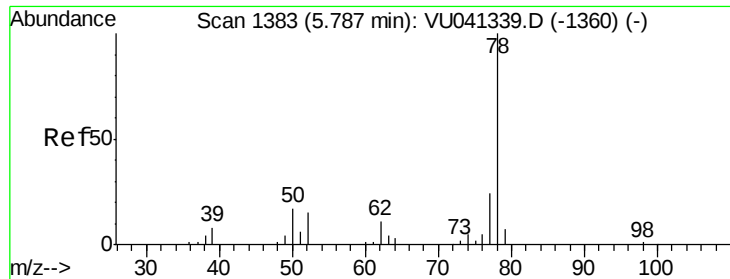
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#22
cis-1,2-Dichloroethene
Concen: 1.285 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.6	97.2	180.4
68	0.0	0.0	0.0





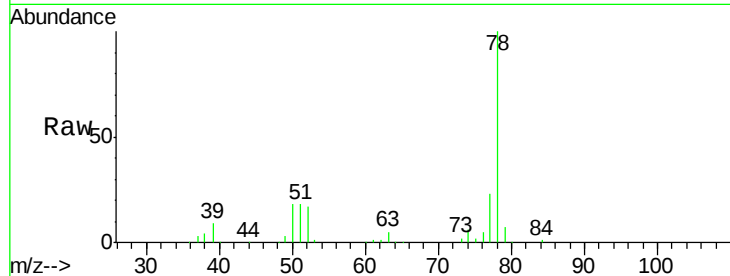
#33
Benzene
Concen: 6.710 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Instrument :
MSVOA_U
ClientSampleId :
H4419MS

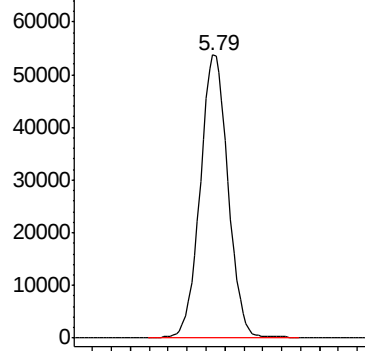
Tgt Ion: 78 Resp: 110230

Manual Integrations
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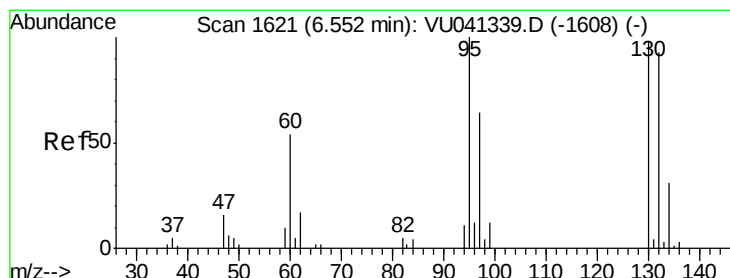
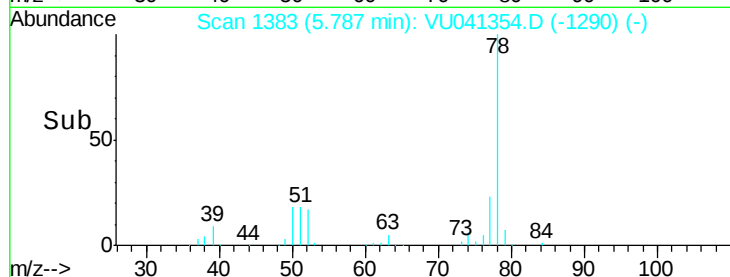
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Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



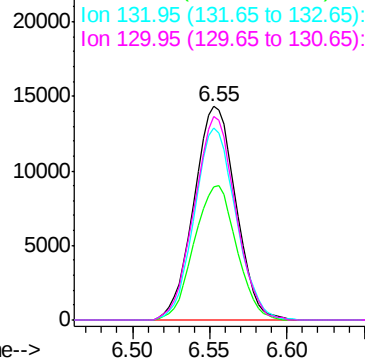
#34
Trichloroethene
Concen: 6.096 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Tgt Ion: 95 Resp: 27063

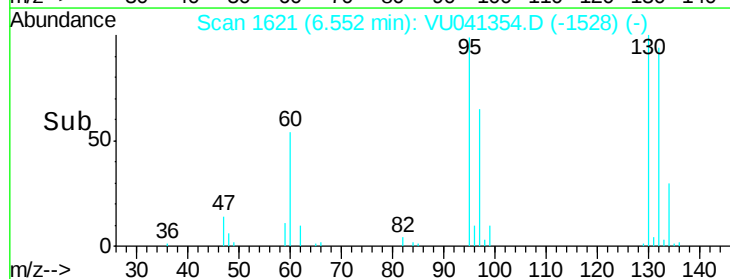
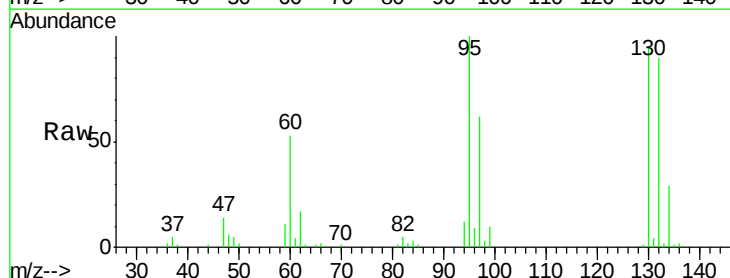
Ion	Ratio	Lower	Upper
95	100		
97	62.2	45.6	84.6
132	89.9	64.8	120.4
130	95.4	64.8	120.4

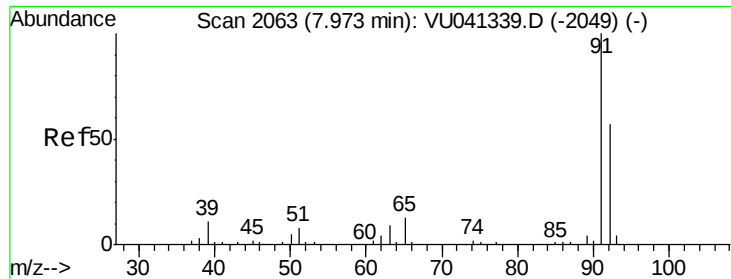
Abundance Ion 95.00 (94.70 to 95.70): VU0

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



Time-->





#42

Toluene

Concen: 6.008 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

Instrument :

MSVOA_U

ClientSampleId :

H4419MS

Tot Ion: 91 Resp: 105470

Ion Ratio Lower Upper

91 100

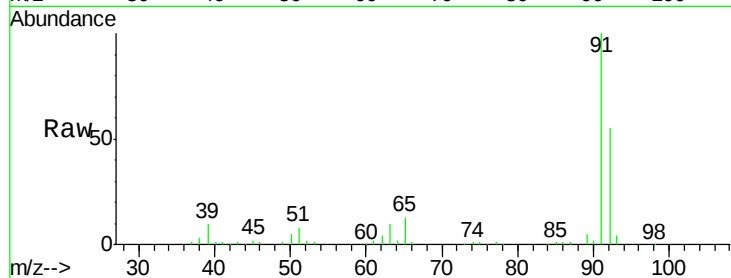
92 55.3 40.6 75.4

Manual Integrations

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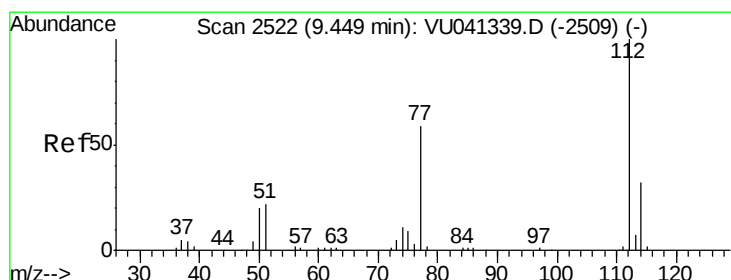
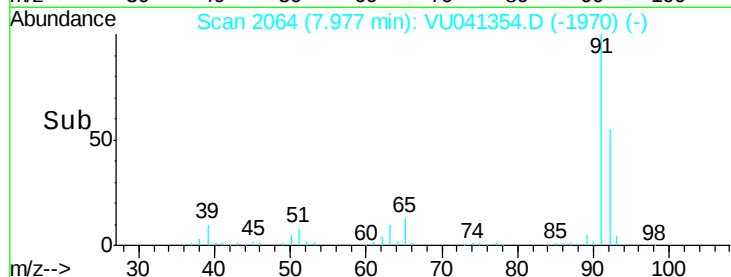
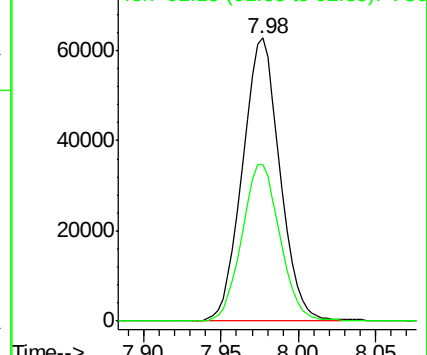
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Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041339.D (-2049) (-)



#51

Chlorobenzene

Concen: 5.966 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

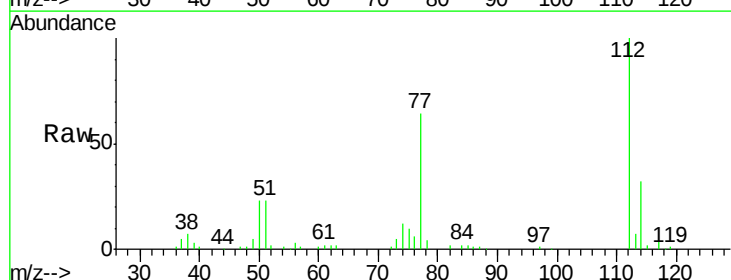
Tgt Ion: 112 Resp: 69376

Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 64.3 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): VU041339.D (-2509) (-)

Ion 114.05 (113.75 to 114.75): VU041339.D (-2509) (-)

Ion 77.10 (76.80 to 77.80): VU041339.D (-2509) (-)

