

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111720\
 Data File : VU041276.D
 Acq On : 17 Nov 2020 13:17
 Operator : SY/MD
 Sample : L4759-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4428

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 9:48:17 AM

Quant Time: Nov 17 23:03:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 17 22:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	69775	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	72476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30338	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25550	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.92	69	22115	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	38151	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.65	46	105122	49.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.34%
24) Chloroform-d	5.08	84	56530	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	34767	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.74	84	101524	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.70	67	35482	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.91	98	84030	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.19	79	13112	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.64	63	72514	46.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30526	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	32314	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	16235	2.680	ug/L	87
12) 1,1-Dichloroethene	2.59	96	1161	0.256	ug/L	# 1
13) Acetone	2.67	43	1571m	1.119	ug/L	
17) Methyl tert-butyl Ether	3.38	73	5615	0.452	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	23148	5.233	ug/L	99
19) 1,1-Dichloroethane	3.89	63	5768	0.583	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	305503	61.150	ug/L	98
33) Benzene	5.78	78	2370	0.121	ug/L	100
34) Trichloroethene	6.56	95	447966	84.391	ug/L	98
47) Tetrachloroethene	8.56	164	14484	3.693	ug/L	91

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

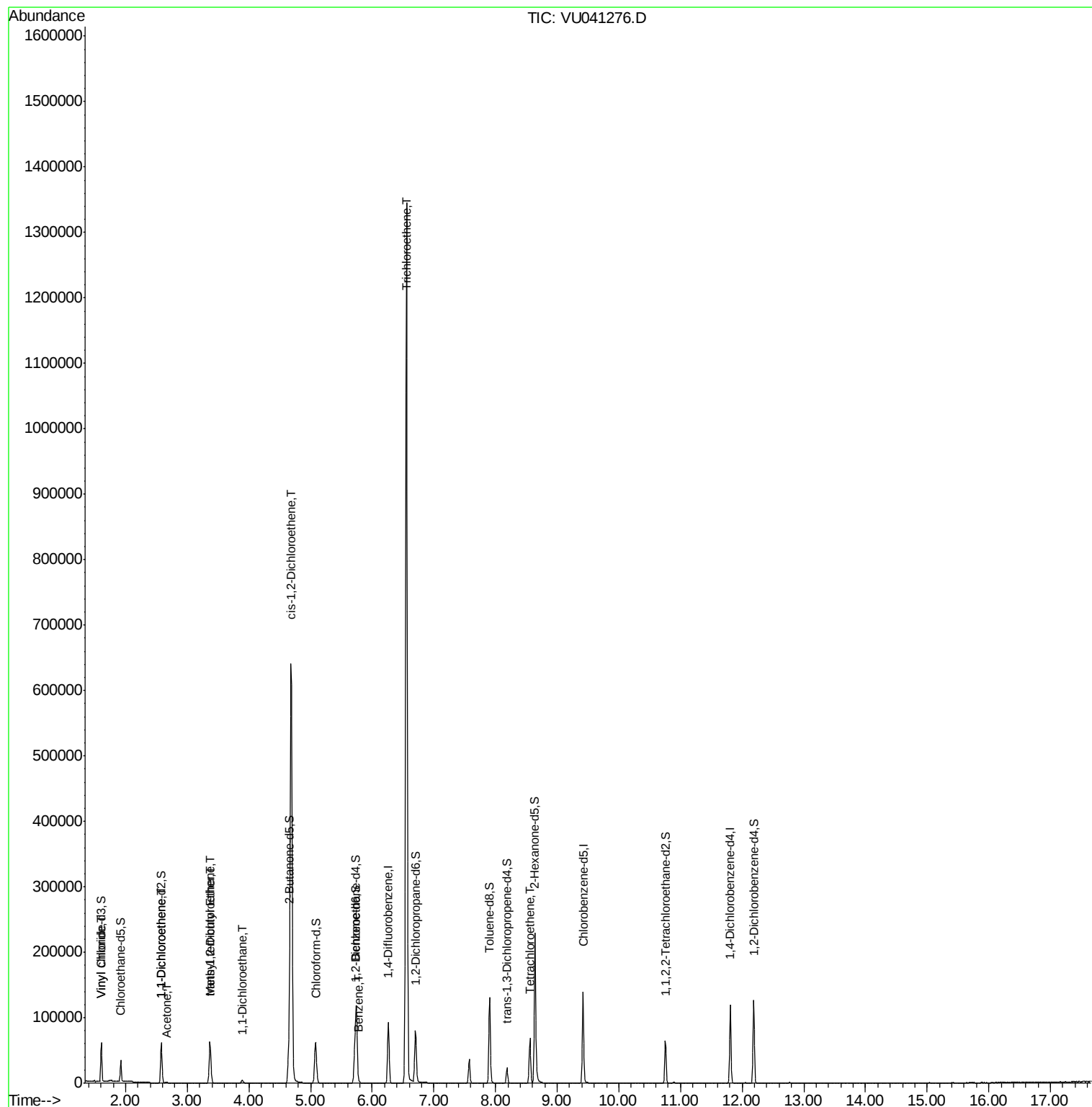
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
Data File : VU041276.D
Acq On : 17 Nov 2020 13:17
Operator : SY/MD
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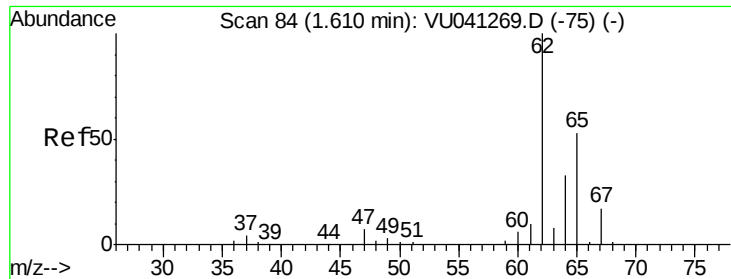
Instrument :
MSVOA_U
ClientSampleId :
H4428

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 17 22:32:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.680 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Instrument :

MSVOA_U

ClientSampled :

H4428

Tot Ion: 62 Resp: 16235

Ion Ratio Lower Upper

62 100

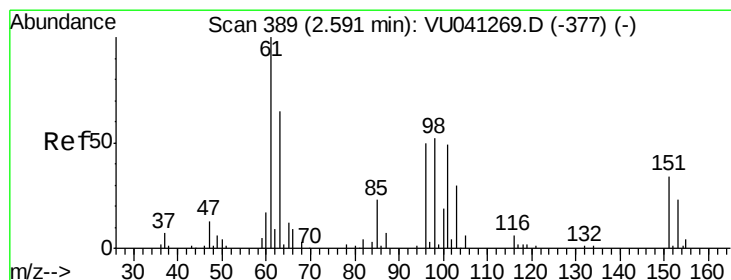
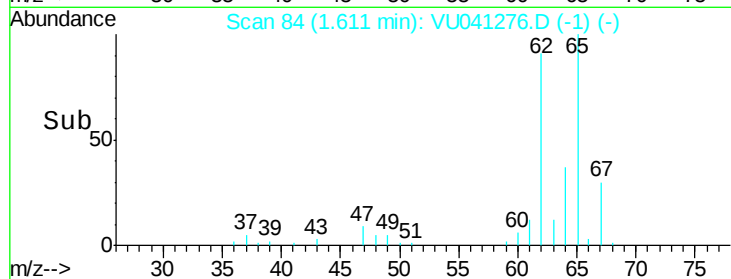
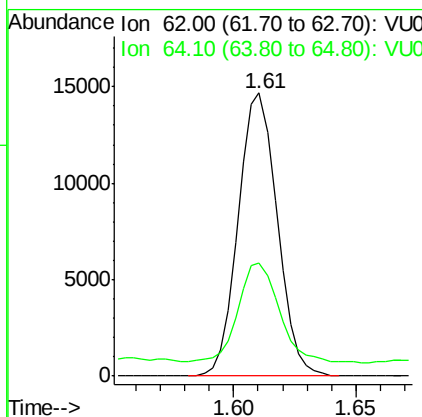
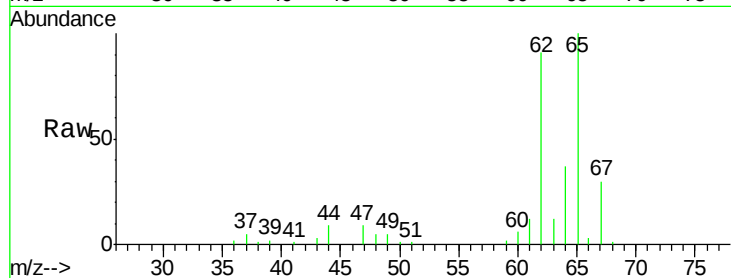
64 40.0 22.7 42.3

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#12

1,1-Dichloroethene

Concen: 0.256 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

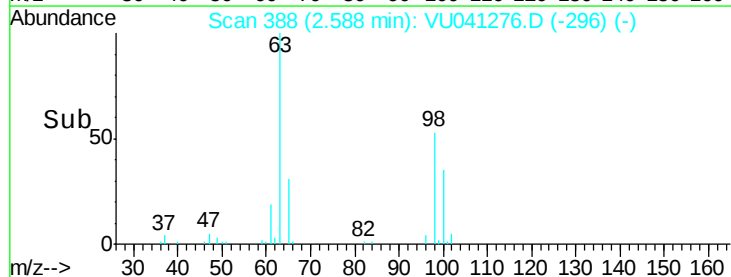
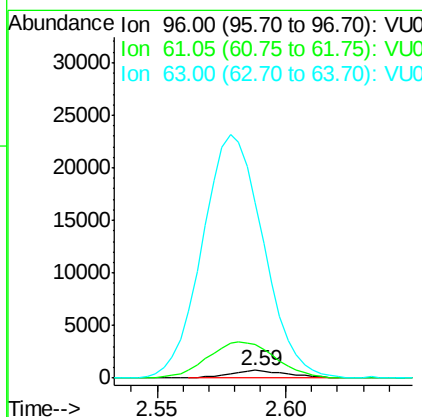
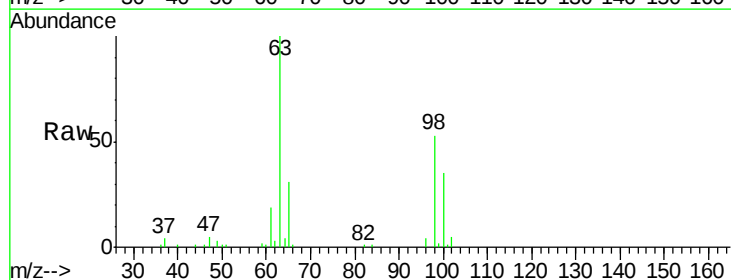
Tgt Ion: 96 Resp: 1161

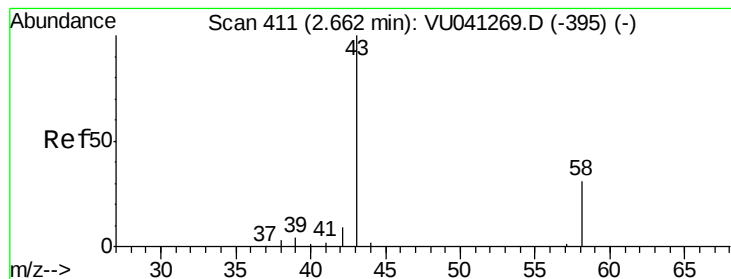
Ion Ratio Lower Upper

96 100

61 419.9 134.3 249.5#

63 2223.8 95.0 176.4#





#13

Acetone

Concen: 1.119 ug/L m

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Instrument :

MSVOA_U

ClientSampleId :

H4428

Tot Ion: 43 Resp: 1571

Ion Ratio Lower Upper

43 100

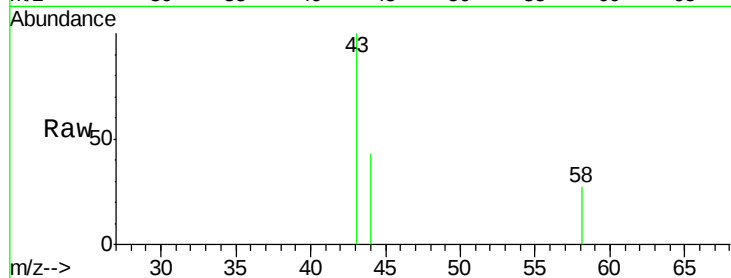
58 19.9 0.0 25.4

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Abundance Ion 43.05 (42.75 to 43.75): VU041276.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU041276.D (-318) (-)

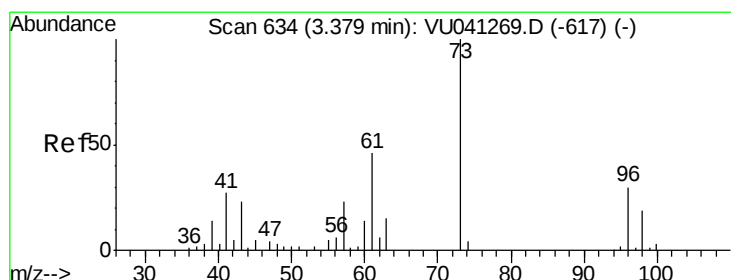
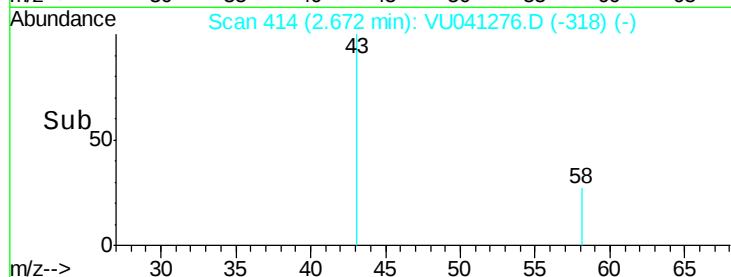
2.67

400

200

0

Time--> 2.60 2.65 2.70



#17

Methyl tert-butyl Ether

Concen: 0.452 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

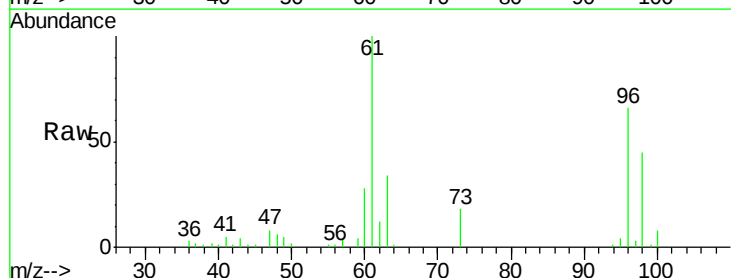
Tgt Ion: 73 Resp: 5615

Ion Ratio Lower Upper

73 100

43 22.0 18.5 27.7

57 22.3 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VU041276.D (-541) (-)

Ion 43.05 (42.75 to 43.75): VU041276.D (-541) (-)

Ion 57.10 (56.80 to 57.80): VU041276.D (-541) (-)

3.38

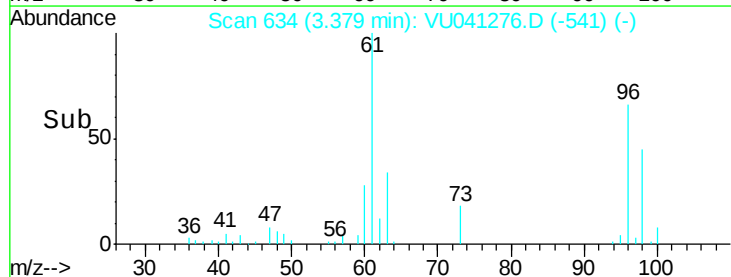
3000

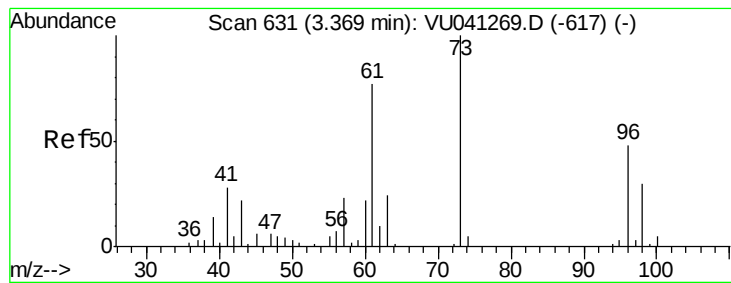
2000

1000

0

Time--> 3.30 3.35 3.40 3.45





#18

trans-1,2-Dichloroethene

Concen: 5.233 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Instrument :

MSVOA_U

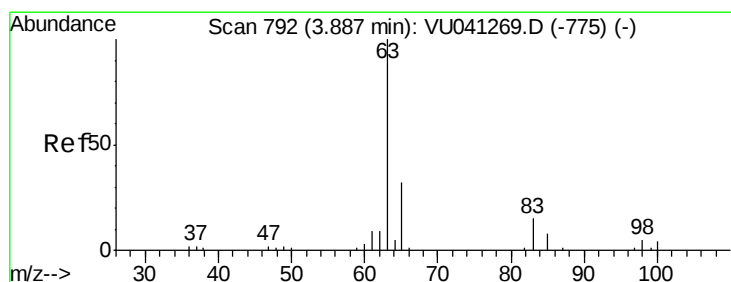
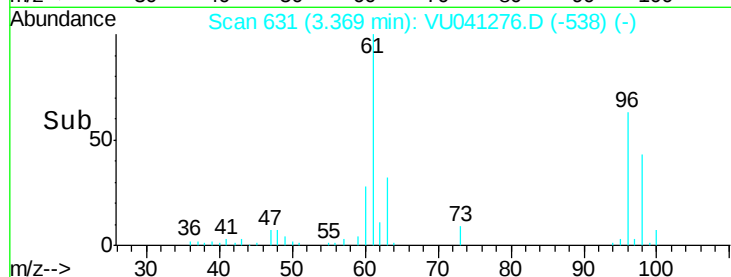
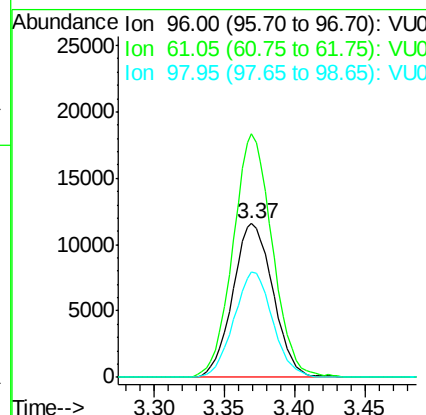
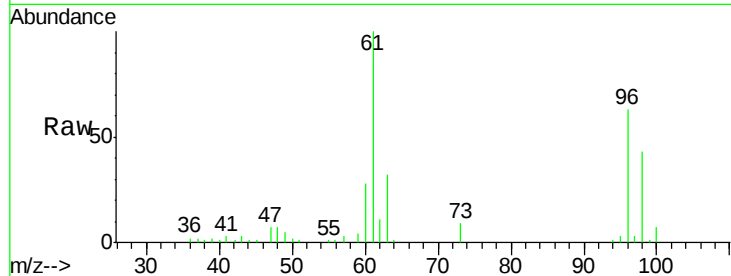
ClientSampled :

H4428

Tot Ion:	96	Resp:	23148
Ion	Ratio	Lower	Upper
96	100		
61	158.6	110.9	205.9
98	68.4	45.4	84.2

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#19

1,1-Dichloroethane

Concen: 0.583 ug/L

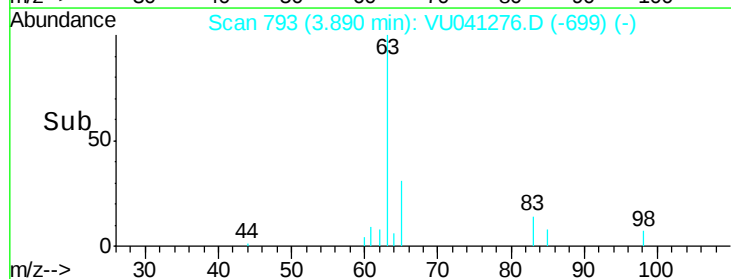
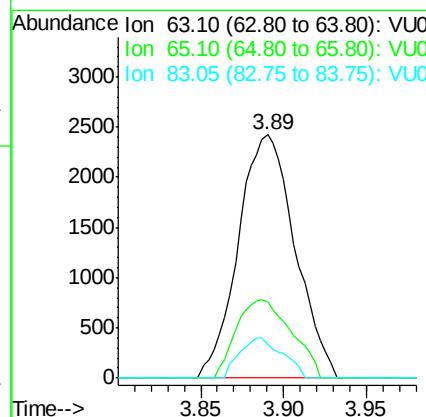
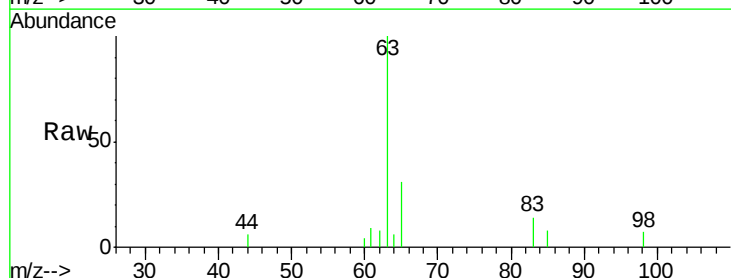
RT: 3.89 min Scan# 793

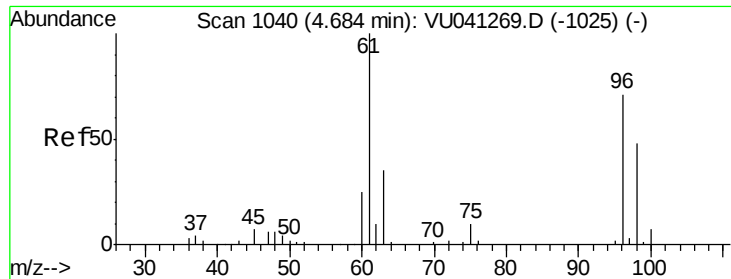
Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Tgt Ion:	63	Resp:	5768
Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.3	39.6
83	13.9	8.8	16.3





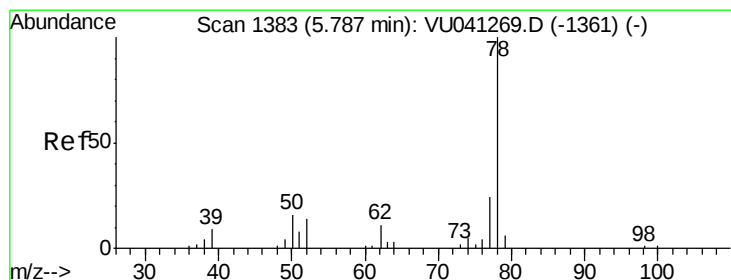
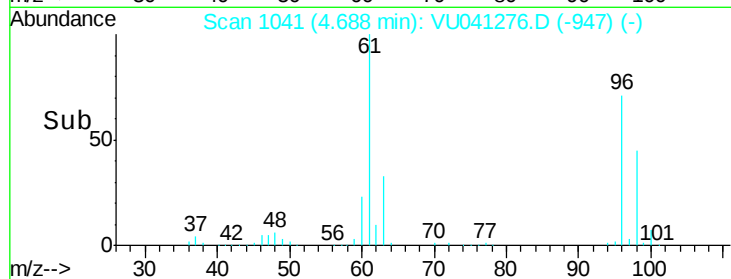
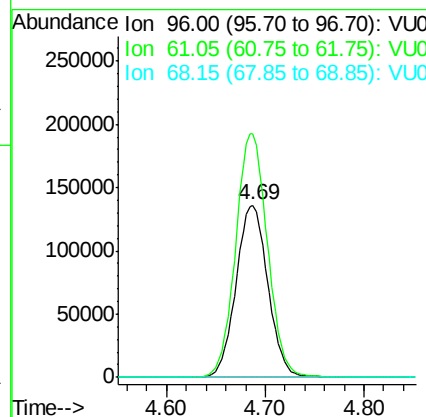
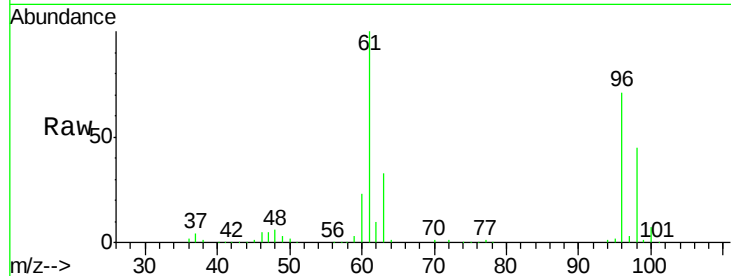
#22
 cis-1,2-Dichloroethene
 Concen: 61.150 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041276.D
 Acq: 17 Nov 2020 13:17

Instrument :
 MSVOA_U
 ClientSampleId :
 H4428

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	141.1	97.2	180.4		
68	0.0	0.0	0.0		

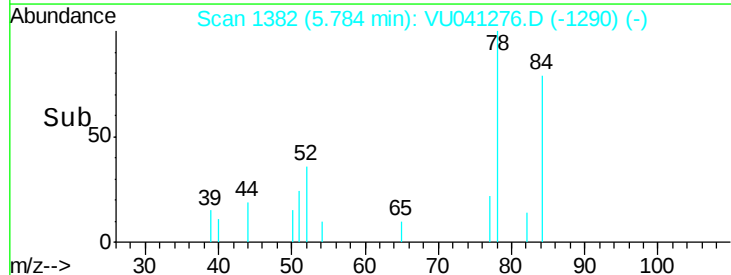
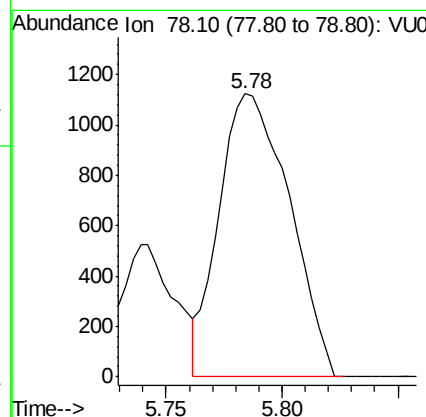
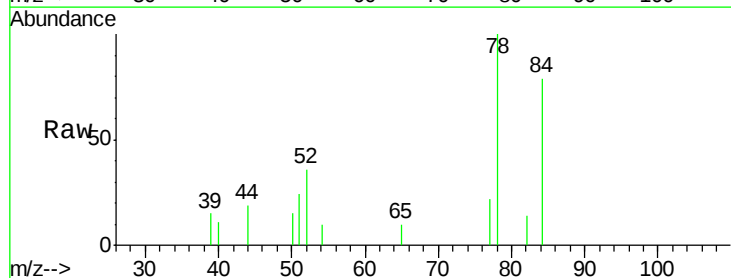
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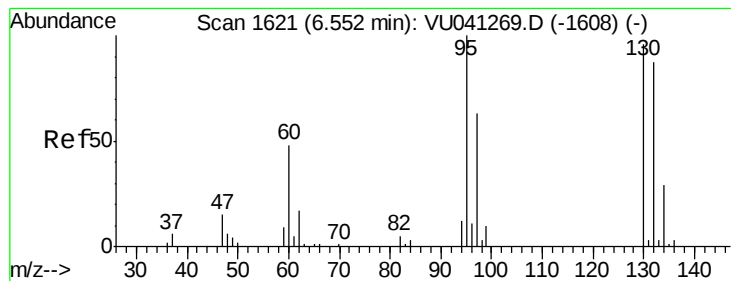
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#33
 Benzene
 Concen: 0.121 ug/L
 RT: 5.78 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VU041276.D
 Acq: 17 Nov 2020 13:17

Tgt Ion: 78 Resp: 2370





#34

Trichloroethene

Concen: 84.391 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Instrument :

MSVOA_U

ClientSampled :

H4428

Tot Ion: 95 Resp: 447966

Ion Ratio Lower Upper

95 100

97 64.8 45.6 84.6

132 89.9 64.8 120.4

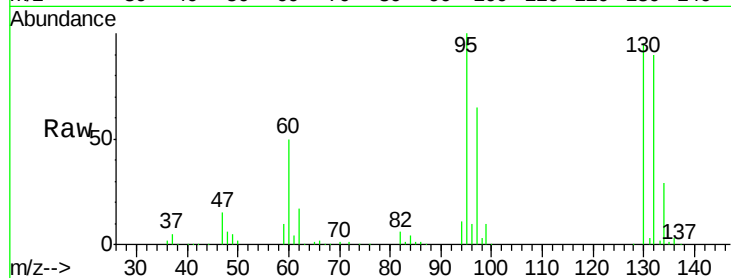
130 94.7 64.8 120.4

Manual Integrations

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MMDadoda

11/18/2020 9:48:17 AM

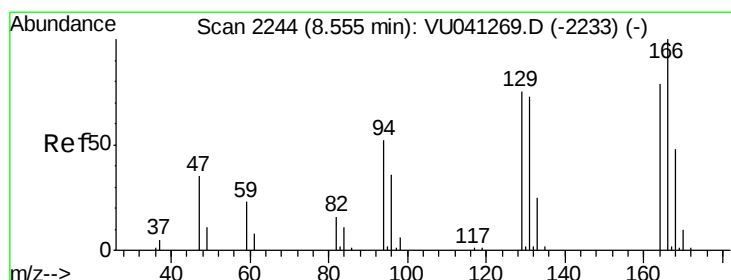
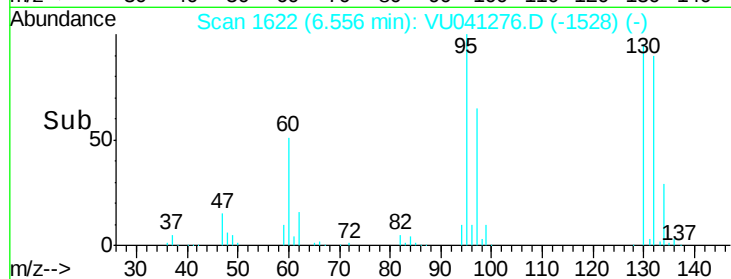
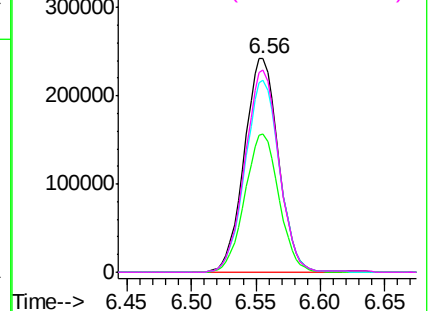


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 3.693 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Tgt Ion: 164 Resp: 14484

Ion Ratio Lower Upper

164 100

129 91.5 70.3 130.7

131 92.0 70.8 131.4

166 122.1 92.0 170.8

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

