

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041252.D
 Acq On : 16 Nov 2020 16:53
 Operator : SY/MD
 Sample : L4740-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB110

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 10:54:18 AM

Quant Time: Nov 17 09:32:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 12:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52553	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53146	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	19848	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20473	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.92	69	20146	6.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.80%
11) 1,1-Dichloroethene-d2	2.58	63	28998	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.65	46	94043	59.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.00%
24) Chloroform-d	5.08	84	43952	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.72	65	30521	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
32) Benzene-d6	5.74	84	72685	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.70	67	27113	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.91	98	58164	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	8.19	79	9634	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.64	63	66494	58.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24261	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	19711	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2357	0.517	ug/L #	67
13) Acetone	2.66	43	11771	11.132	ug/L #	65
16) Methylene chloride	3.07	84	625	0.146	ug/L	80
18) trans-1,2-Dichloroethene	3.37	96	3165	0.950	ug/L	89
19) 1,1-Dichloroethane	3.89	63	5597	0.751	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	182367	48.465	ug/L	96
29) 1,1,1-Trichloroethane	5.34	97	1061m	0.163	ug/L	
34) Trichloroethene	6.55	95	101209	26.001	ug/L	98
42) Toluene	7.97	91	1600	0.104	ug/L	91
47) Tetrachloroethene	8.56	164	2440	0.848	ug/L	92

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

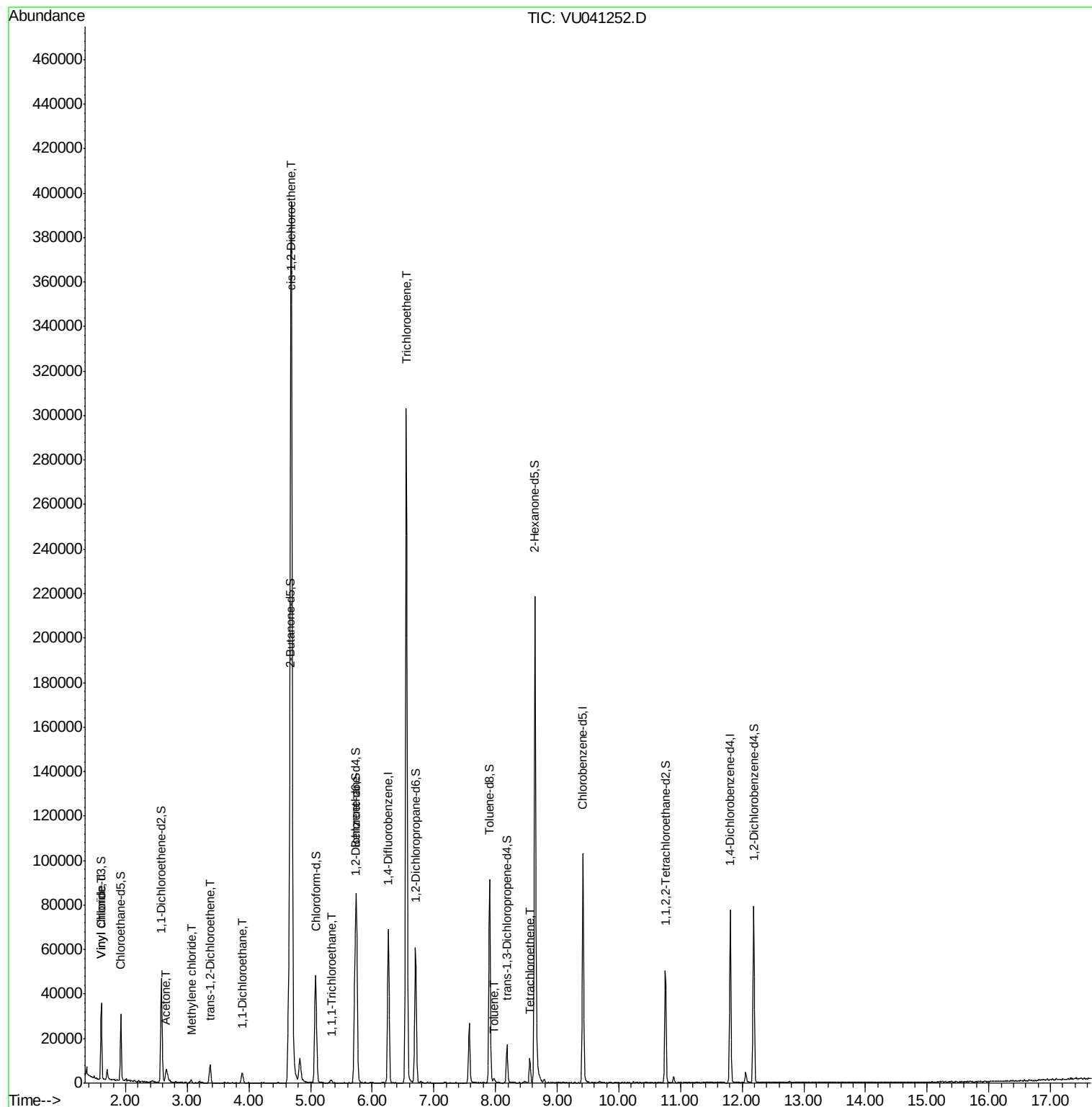
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
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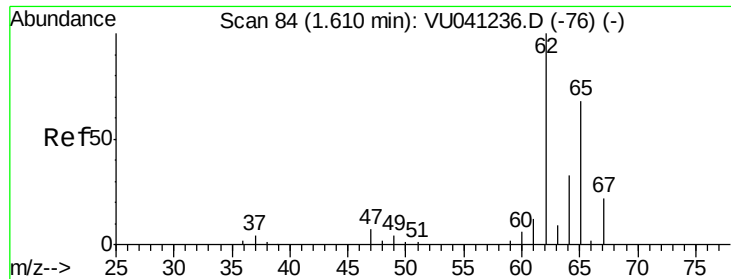
Instrument :
MSVOA_U
ClientSampleId :
GB110

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QLast Update : Mon Nov 16 12:08:29 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.517 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041252.D

Acq: 16 Nov 2020 16:53

Instrument :

MSVOA_U

ClientSampled :

GB110

Tot Ion: 62 Resp: 2357

Ion Ratio Lower Upper

62 100

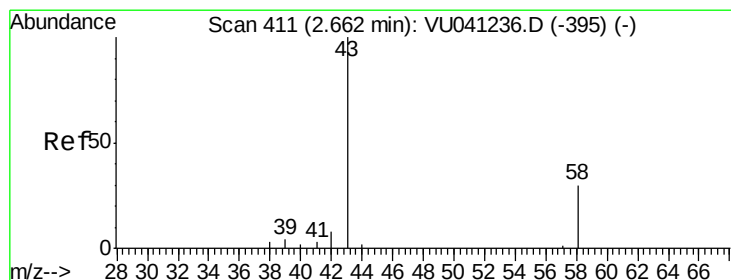
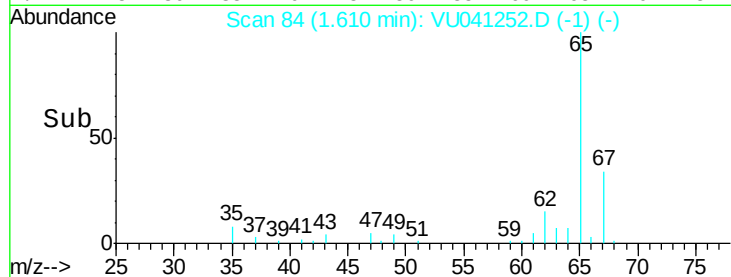
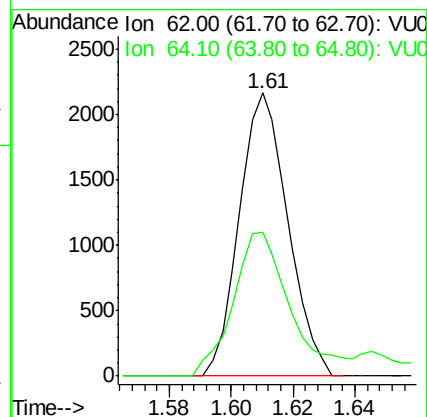
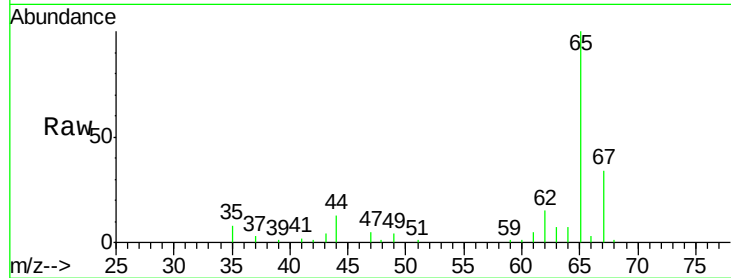
64 51.0 22.7 42.3#

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#13

Acetone

Concen: 11.132 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041252.D

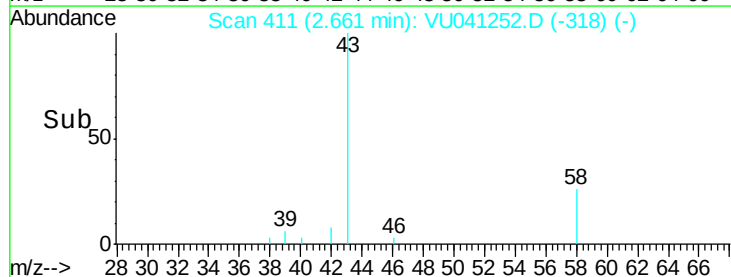
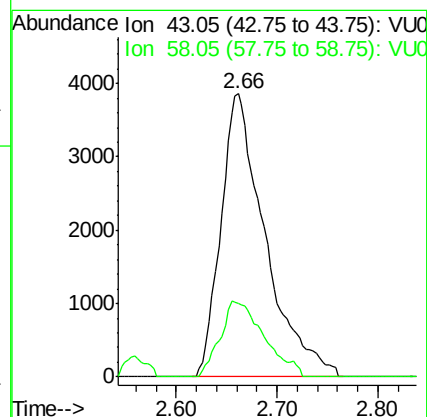
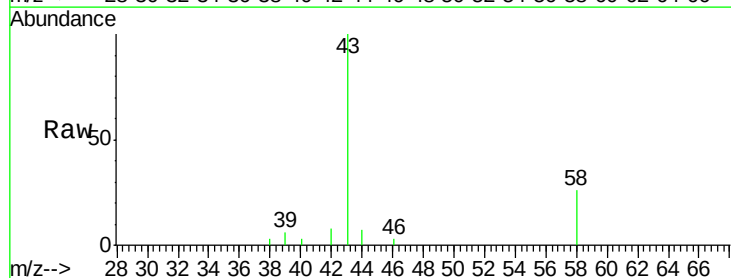
Acq: 16 Nov 2020 16:53

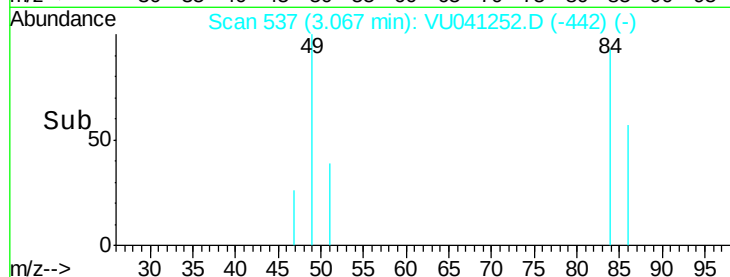
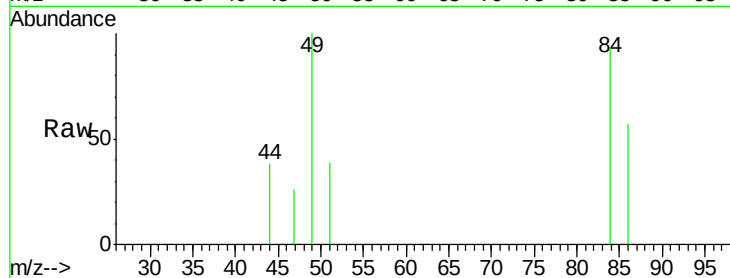
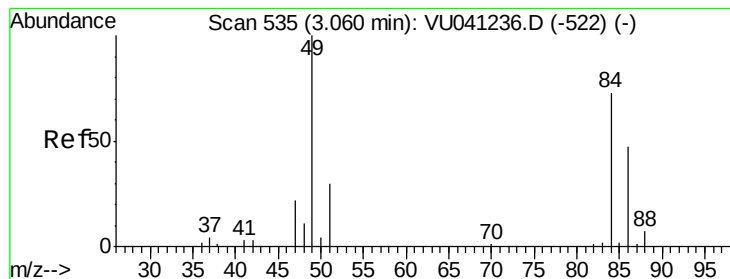
Tgt Ion: 43 Resp: 11771

Ion Ratio Lower Upper

43 100

58 26.6 0.0 25.4#





#16

Methylene chloride

Concen: 0.146 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU041252.D

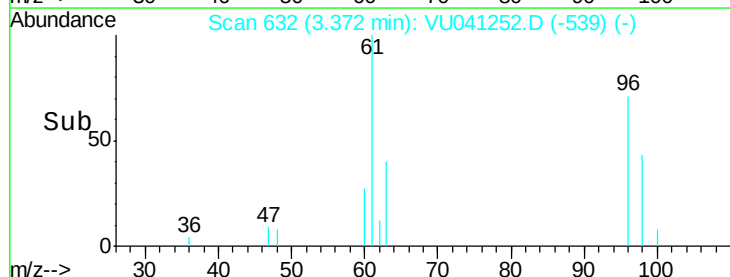
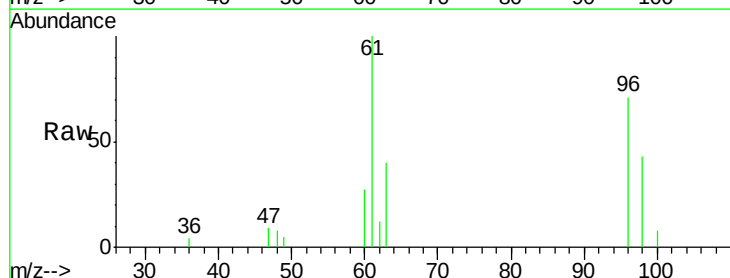
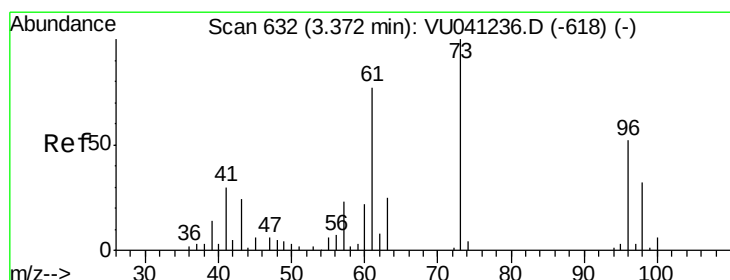
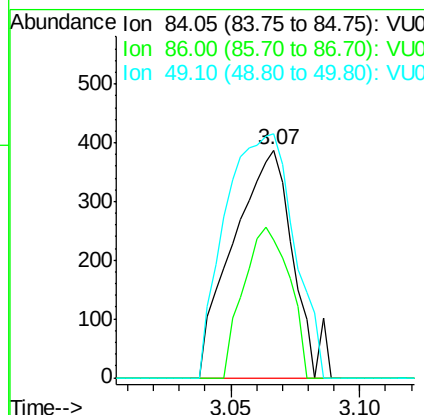
Acq: 16 Nov 2020 16:53

Tot Ion:	84	Resp:	625
Ion	Ratio	Lower	Upper
84	100		
86	60.7	42.8	79.6
49	107.2	99.5	184.7

Instrument :
MSVOA_U
ClientSampled :
GB110

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#18

trans-1,2-Dichloroethene

Concen: 0.950 ug/L

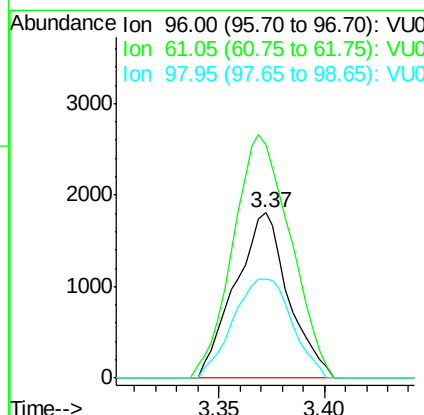
RT: 3.37 min Scan# 632

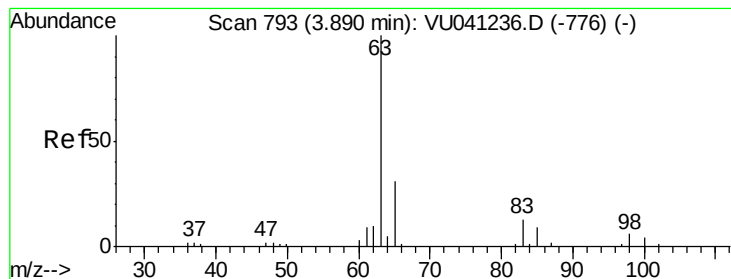
Delta R.T. -0.00 min

Lab File: VU041252.D

Acq: 16 Nov 2020 16:53

Tgt Ion:	96	Resp:	3165
Ion	Ratio	Lower	Upper
96	100		
61	141.2	110.9	205.9
98	60.3	45.4	84.2





#19

1,1-Dichloroethane

Concen: 0.751 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU041252.D

Acq: 16 Nov 2020 16:53

Instrument :

MSVOA_U

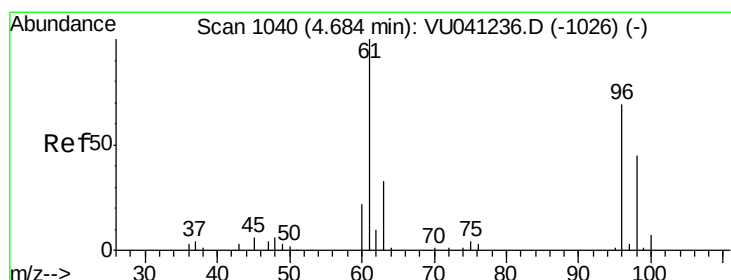
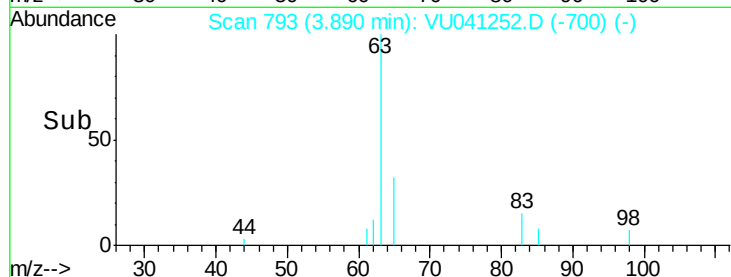
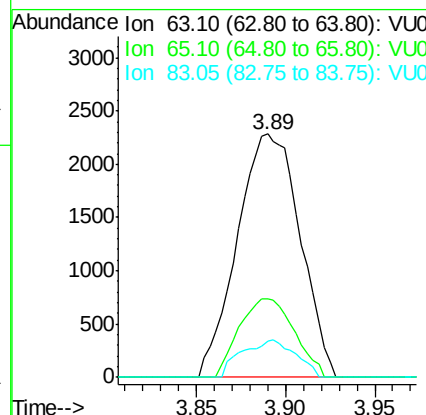
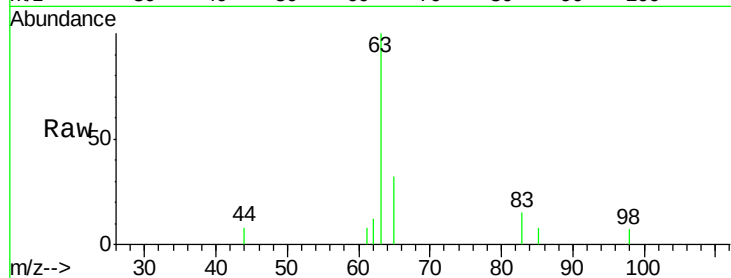
ClientSampleId :

GB110

Tot Ion:	63	Resp:	5597
Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.3	39.6
83	14.7	8.8	16.3

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#22

cis-1,2-Dichloroethene

Concen: 48.465 ug/L

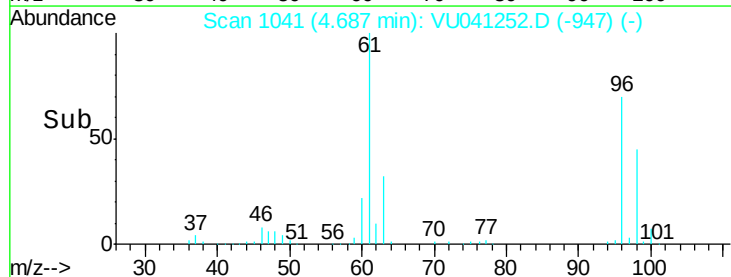
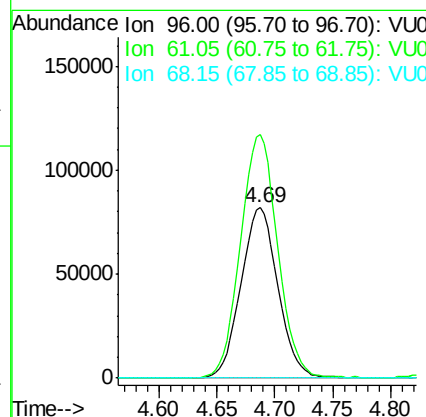
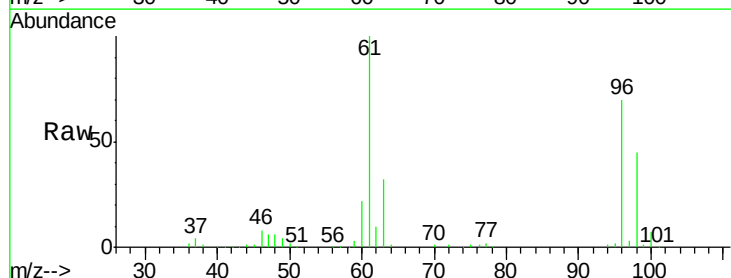
RT: 4.69 min Scan# 1041

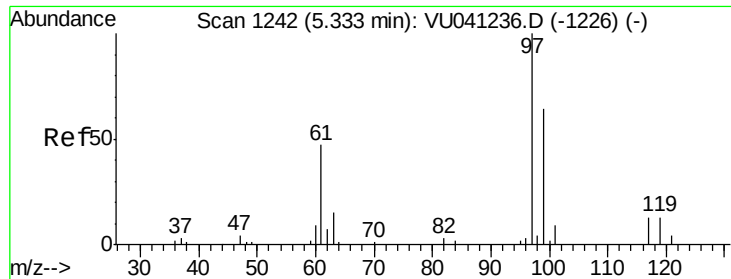
Delta R.T. 0.00 min

Lab File: VU041252.D

Acq: 16 Nov 2020 16:53

Tgt Ion:	96	Resp:	182367
Ion	Ratio	Lower	Upper
96	100		
61	143.2	97.2	180.4
68	0.0	0.0	0.0





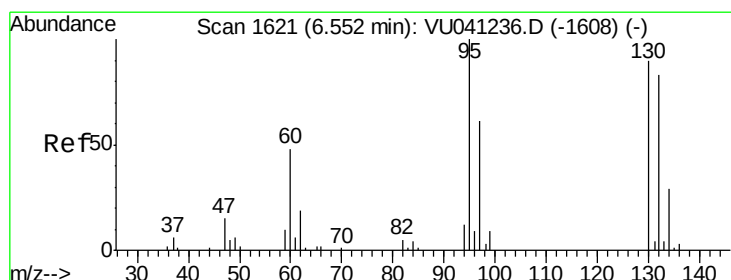
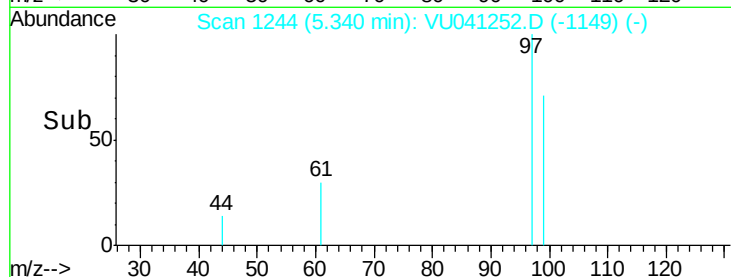
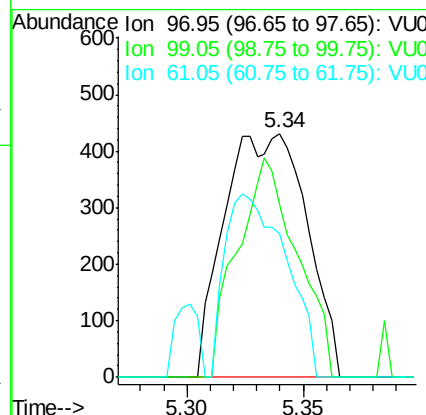
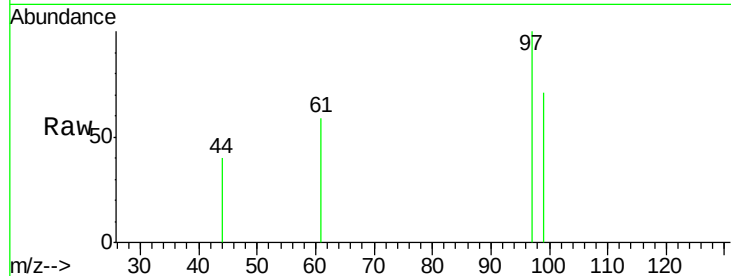
#29
1,1,1-Trichloroethane
Concen: 0.163 ug/L m
RT: 5.34 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VU041252.D
Acq: 16 Nov 2020 16:53

Instrument :
MSVOA_U
ClientSampleId :
GB110

Tot Ion:	97	Resp:	1061
Ion	Ratio	Lower	Upper
97	100		
99	65.1	53.4	80.0
61	55.7	41.6	62.4

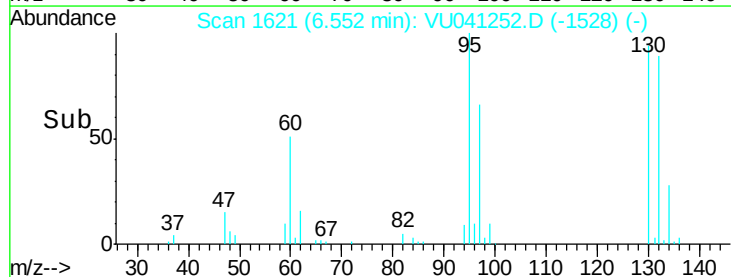
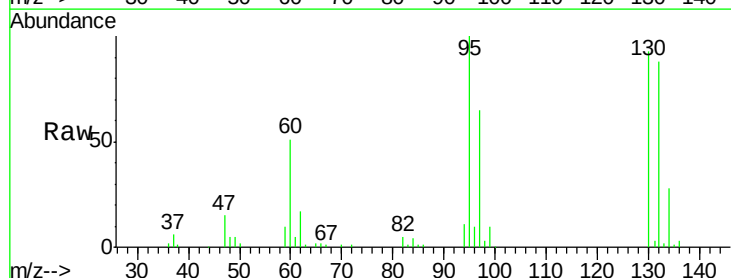
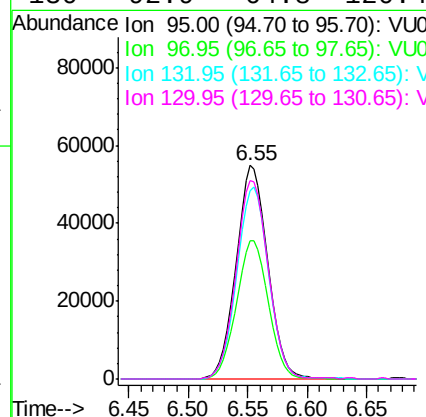
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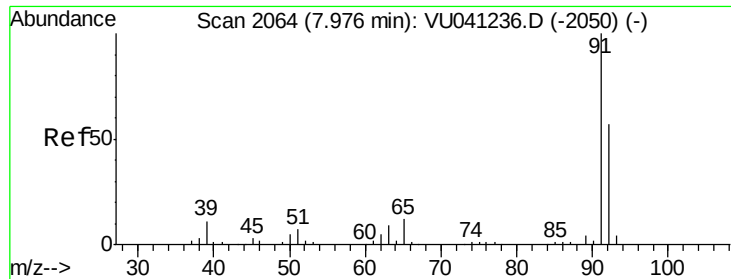
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#34
Trichloroethene
Concen: 26.001 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041252.D
Acq: 16 Nov 2020 16:53

Tgt Ion:	95	Resp:	101209
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.6
132	88.2	64.8	120.4
130	92.9	64.8	120.4





#42

Toluene

Concen: 0.104 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041252.D

Acq: 16 Nov 2020 16:53

Instrument :

MSVOA_U

ClientSampled :

GB110

Tot Ion: 91 Resp: 1600

Ion Ratio Lower Upper

91 100

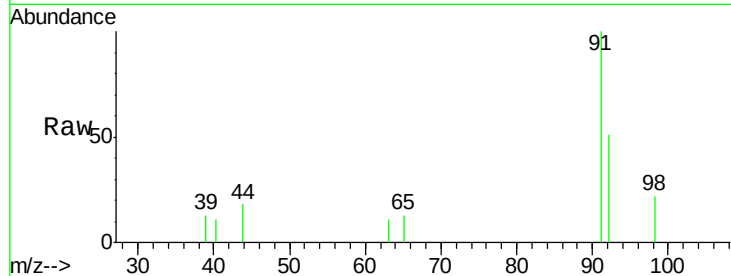
92 51.3 40.6 75.4

Manual Integrations

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11/18/2020 10:54:18 AM



Abundance Ion 91.15 (90.85 to 91.85): VU041252.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU041252.D (-1971) (-)

7.97

1000

800

600

400

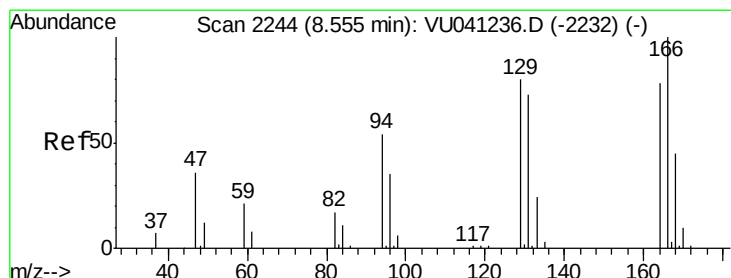
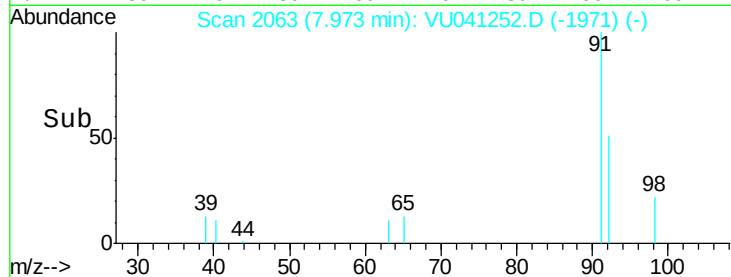
200

0

7.95

8.00

Time-->



#47

Tetrachloroethene

Concen: 0.848 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041252.D

Acq: 16 Nov 2020 16:53

Tgt Ion: 164 Resp: 2440

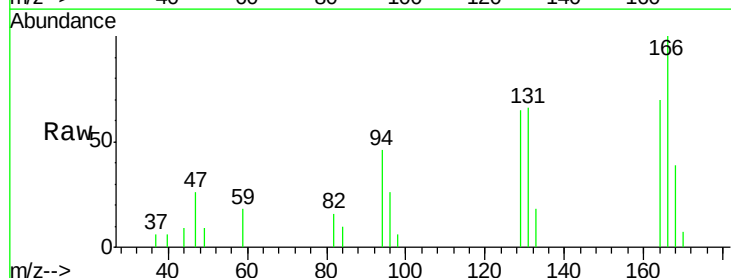
Ion Ratio Lower Upper

164 100

129 92.5 70.3 130.7

131 94.7 70.8 131.4

166 142.8 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041252.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041252.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041252.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041252.D (-2151) (-)

3000

2500

2000

1500

1000

500

0

8.50

8.55

8.60

Time-->

