

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112020\
 Data File : VU041363.D
 Acq On : 20 Nov 2020 13:35
 Operator : SY/MD
 Sample : L4790-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4402

Quant Time: Nov 21 03:18:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 21 02:42:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55914	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57000	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22720	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19091	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.92	69	17223	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	30442	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	4.65	46	86824	51.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.40%
24) Chloroform-d	5.08	84	51735	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
26) 1,2-Dichloroethane-d4	5.72	65	32476	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
32) Benzene-d6	5.74	84	88453	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.20%
36) 1,2-Dichloropropane-d6	6.70	67	31408	5.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.60%
41) Toluene-d8	7.91	98	72086	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.19	79	12144	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
46) 2-Hexanone-d5	8.64	63	60466	49.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27393	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	28481	6.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	128.60%#

Target Compounds

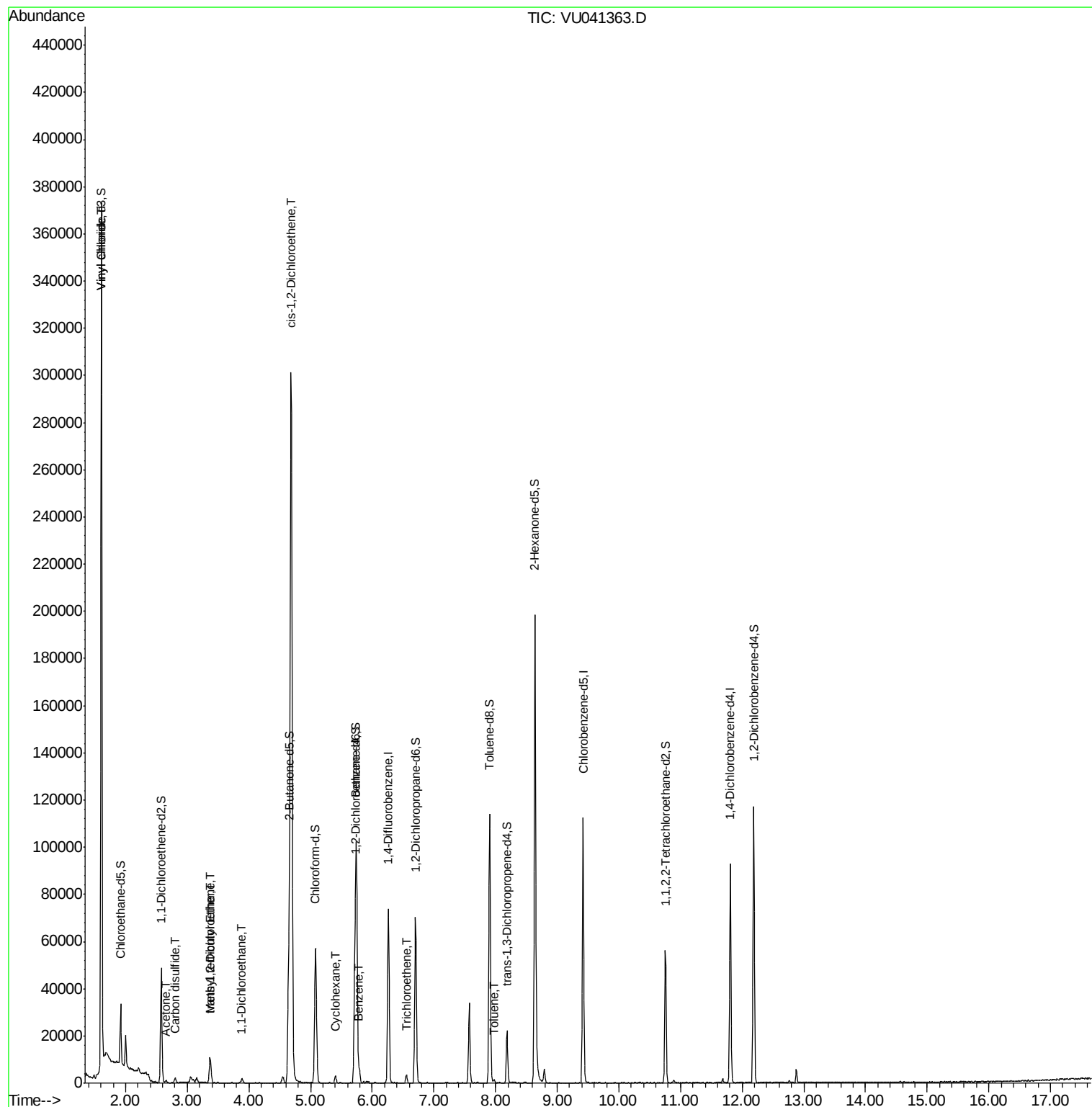
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	223484	46.041	ug/L	99
13) Acetone	2.66	43	1298	1.154	ug/L	92
14) Carbon disulfide	2.80	76	2905	0.271	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	1891	0.190	ug/L #	2
18) trans-1,2-Dichloroethene	3.37	96	2919	0.823	ug/L	94
19) 1,1-Dichloroethane	3.89	63	2397	0.302	ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	142213	35.522	ug/L	97
30) Cyclohexane	5.40	56	1474	0.256	ug/L	91
33) Benzene	5.79	78	5743	0.372	ug/L	100
34) Trichloroethene	6.56	95	1213	0.291	ug/L	86
42) Toluene	7.97	91	892	0.054	ug/L #	64

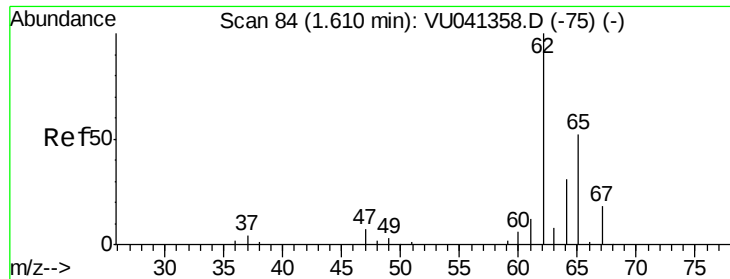
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 46.041 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041363.D

Acq: 20 Nov 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

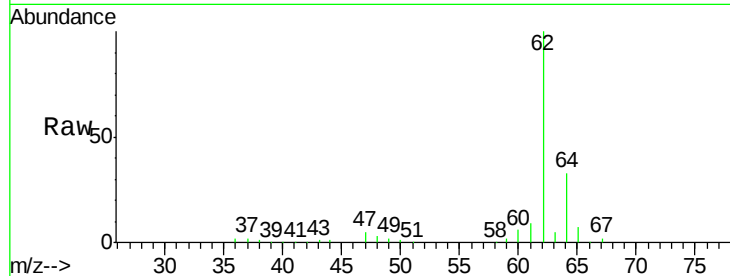
H4402

Tot Ion: 62 Resp: 223484

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

200000

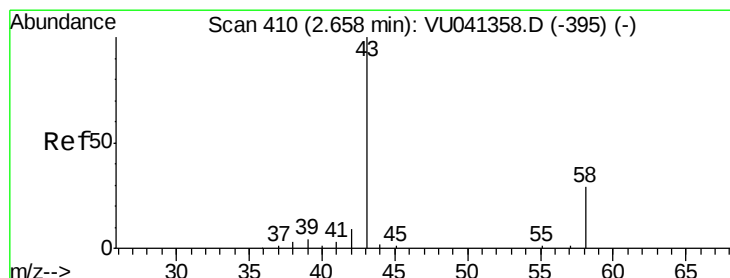
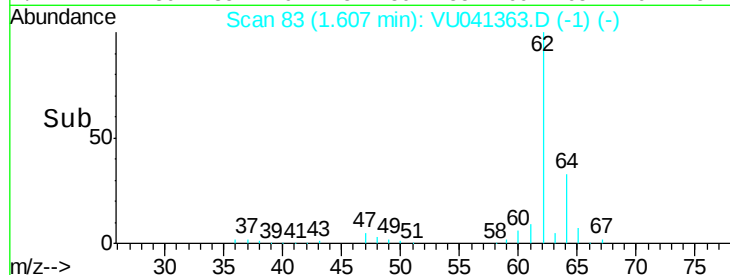
150000

100000

50000

0

Time-->



#13

Acetone

Concen: 1.154 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041363.D

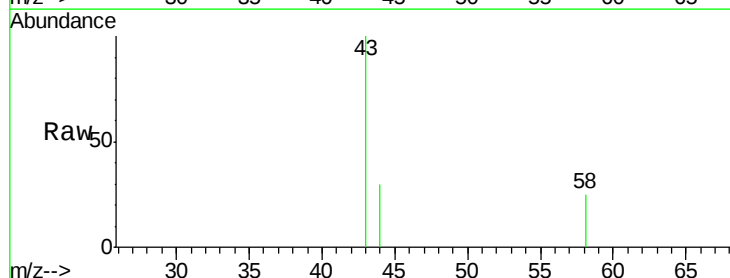
Acq: 20 Nov 2020 13:35

Tgt Ion: 43 Resp: 1298

Ion Ratio Lower Upper

43 100

58 16.0 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

800

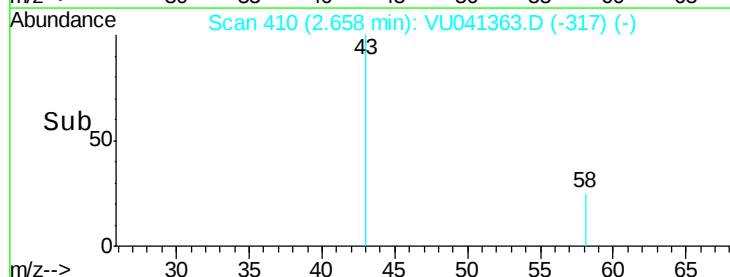
600

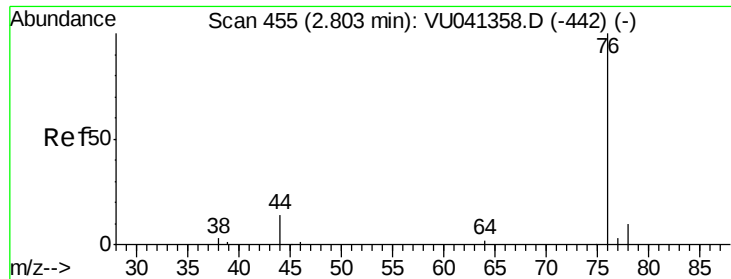
400

200

0

Time-->





#14

Carbon disulfide

Concen: 0.271 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041363.D

Acq: 20 Nov 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

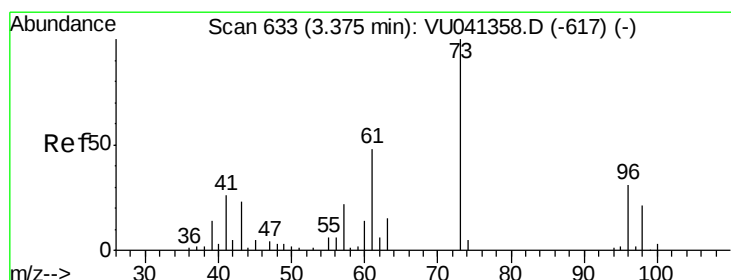
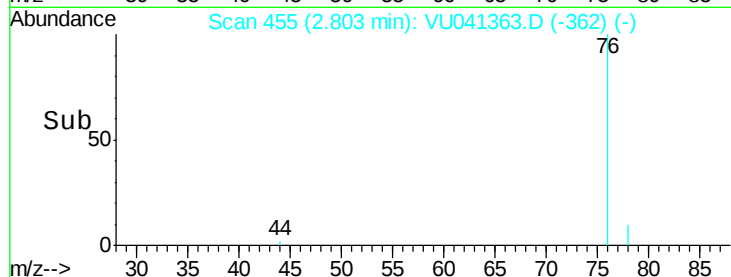
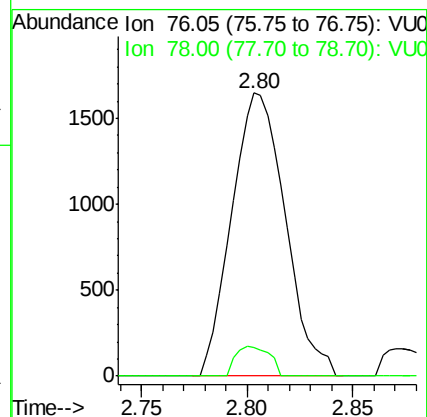
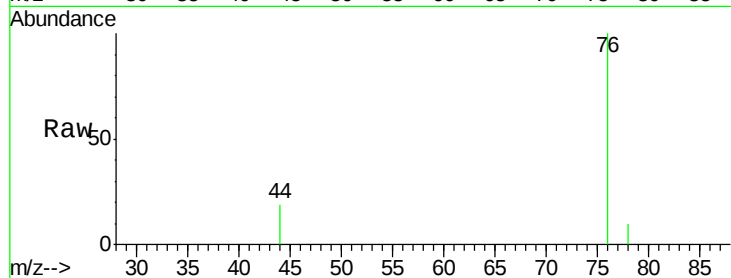
H4402

Tot Ion: 76 Resp: 2905

Ion Ratio Lower Upper

76 100

78 10.3 7.5 11.3



#17

Methyl tert-butyl Ether

Concen: 0.190 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.01 min

Lab File: VU041363.D

Acq: 20 Nov 2020 13:35

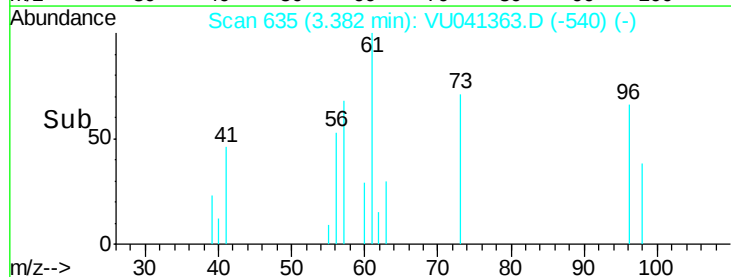
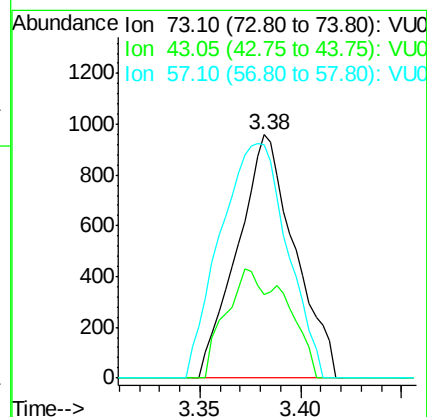
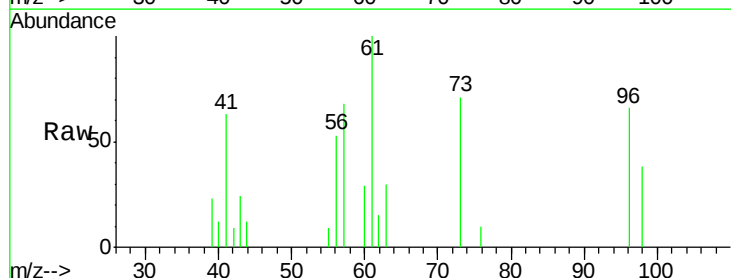
Tgt Ion: 73 Resp: 1891

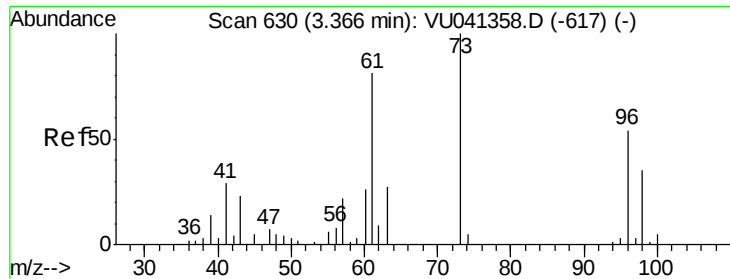
Ion Ratio Lower Upper

73 100

43 28.8 18.5 27.7#

57 112.9 18.4 27.6#

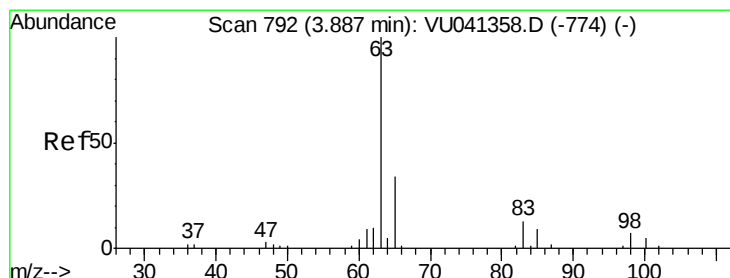
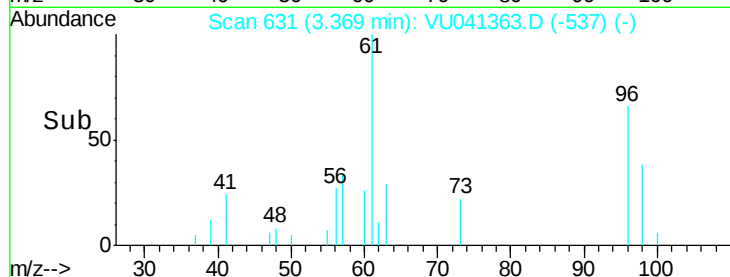
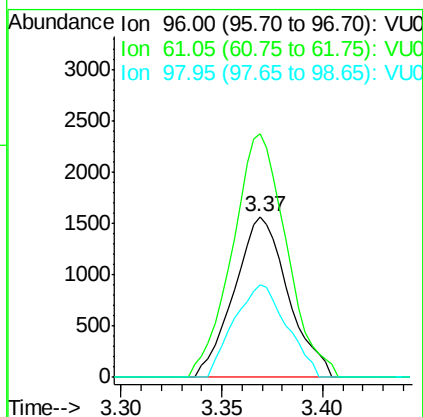
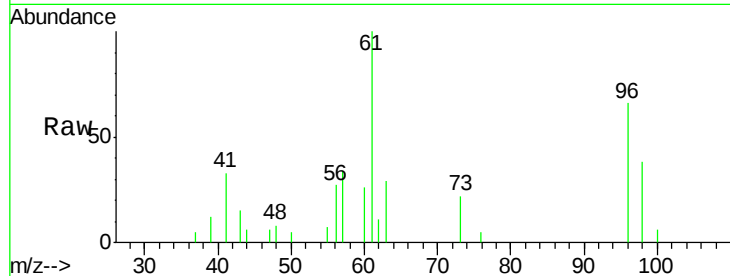




#18
trans-1,2-Dichloroethene
Concen: 0.823 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041363.D
Acq: 20 Nov 2020 13:35

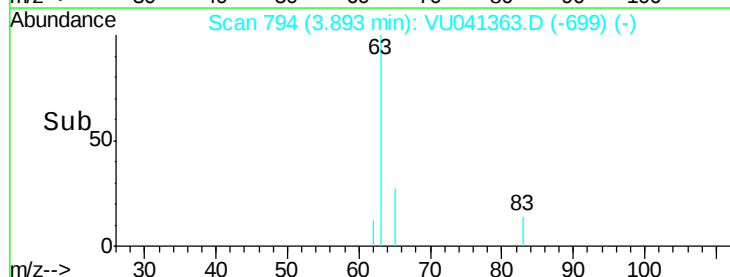
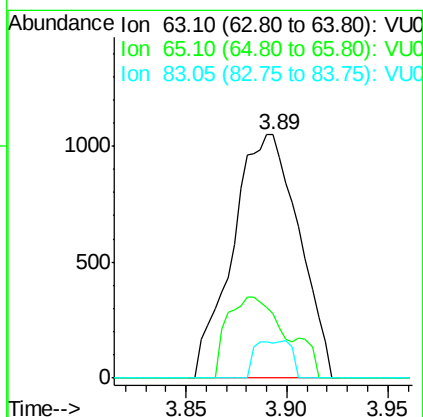
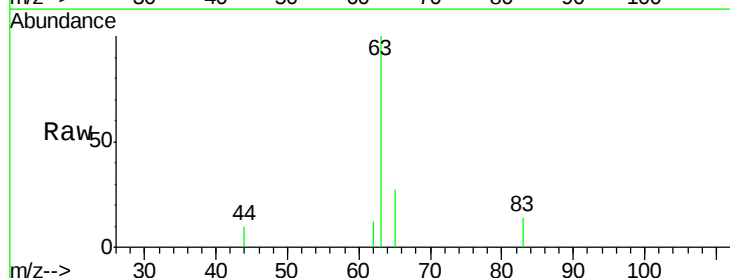
Instrument :
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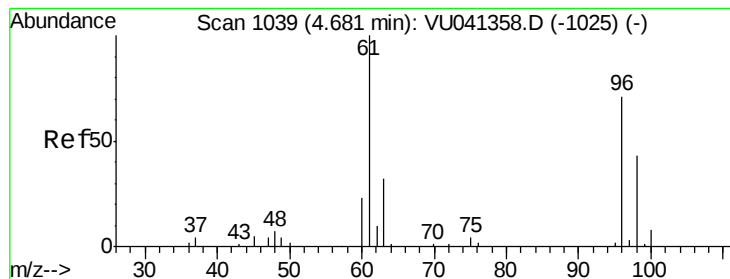
Tot Ion: 96 Resp: 2919
Ion Ratio Lower Upper
96 100
61 151.6 110.9 205.9
98 57.9 45.4 84.2



#19
1,1-Dichloroethane
Concen: 0.302 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.01 min
Lab File: VU041363.D
Acq: 20 Nov 2020 13:35

Tgt Ion: 63 Resp: 2397
Ion Ratio Lower Upper
63 100
65 26.7 21.3 39.6
83 14.2 8.8 16.3





#22

cis-1,2-Dichloroethene

Concen: 35.522 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041363.D

Acq: 20 Nov 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

H4402

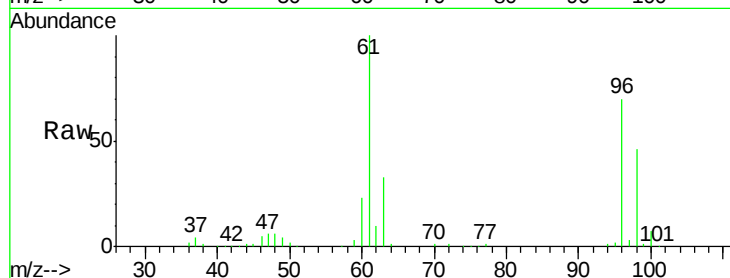
Tot Ion: 96 Resp: 142213

Ion Ratio Lower Upper

96 100

61 142.5 97.2 180.4

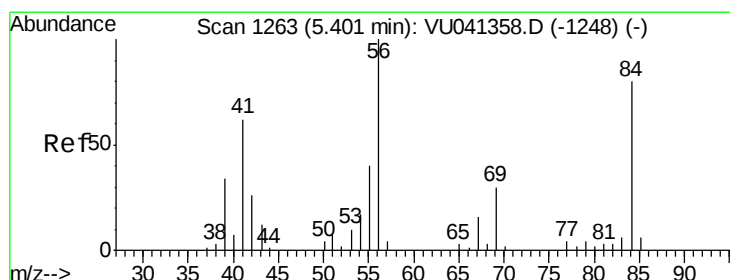
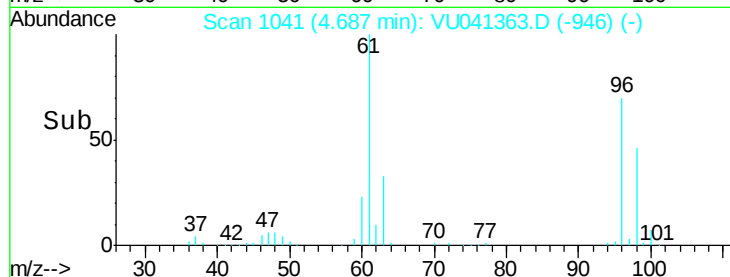
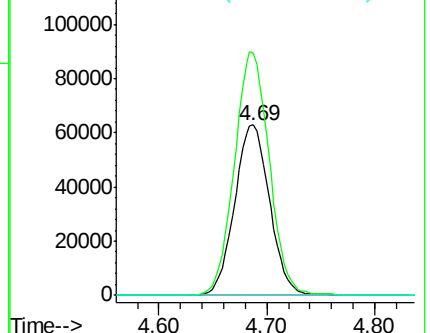
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041363.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041363.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041363.D (-946) (-)



#30

Cyclohexane

Concen: 0.256 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041363.D

Acq: 20 Nov 2020 13:35

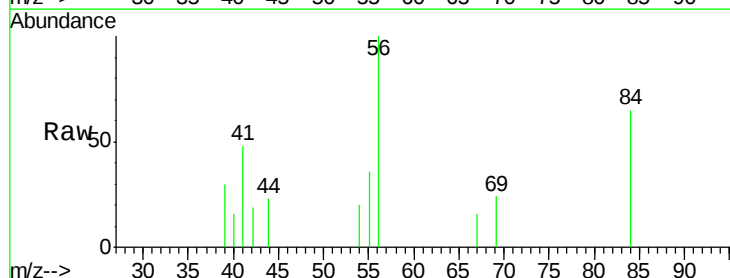
Tgt Ion: 56 Resp: 1474

Ion Ratio Lower Upper

56 100

69 29.5 22.8 34.2

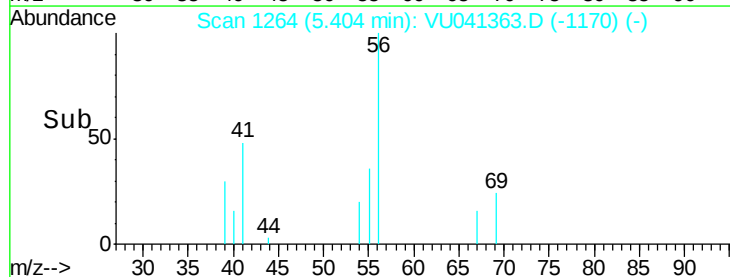
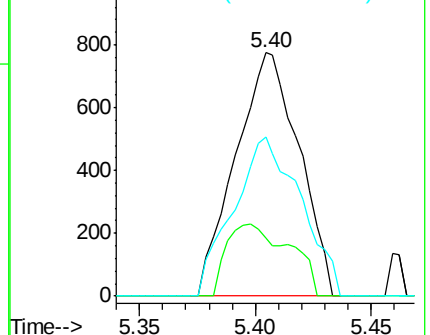
84 69.7 63.6 95.4

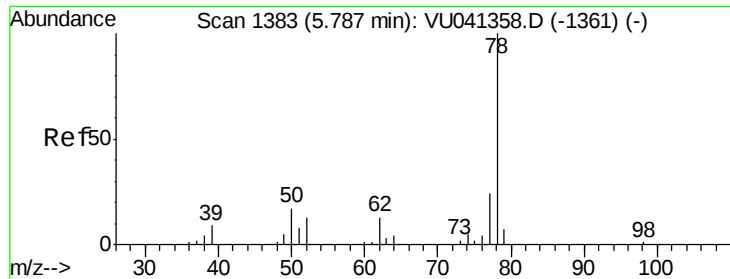


Abundance Ion 56.10 (55.80 to 56.80): VU041363.D (-1170) (-)

Ion 69.15 (68.85 to 69.85): VU041363.D (-1170) (-)

Ion 84.15 (83.85 to 84.85): VU041363.D (-1170) (-)





#33

Benzene

Concen: 0.372 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041363.D

Acq: 20 Nov 2020 13:35

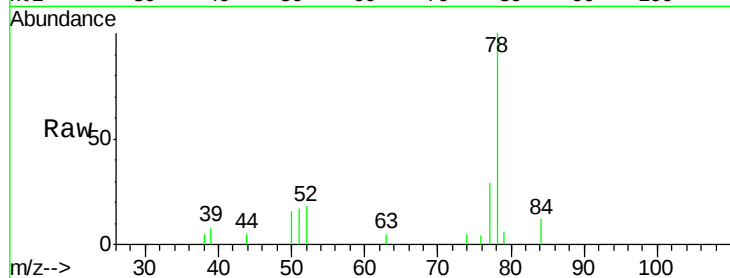
Instrument :

MSVOA_U

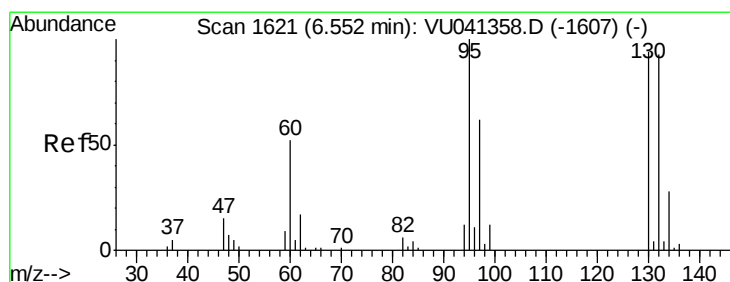
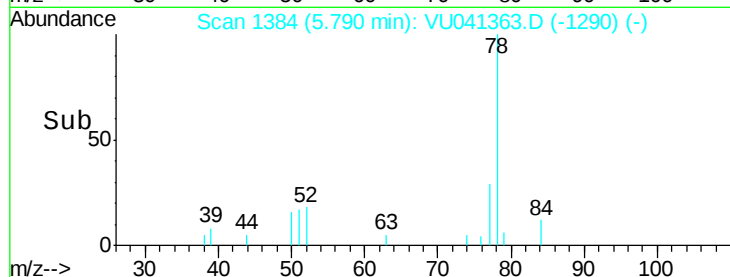
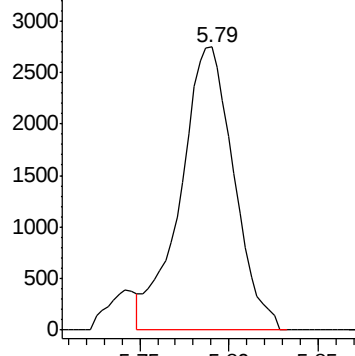
ClientSampleId :

H4402

Tgt Ion: 78 Resp: 5743



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.291 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041363.D

Acq: 20 Nov 2020 13:35

Tgt Ion: 95 Resp: 1213

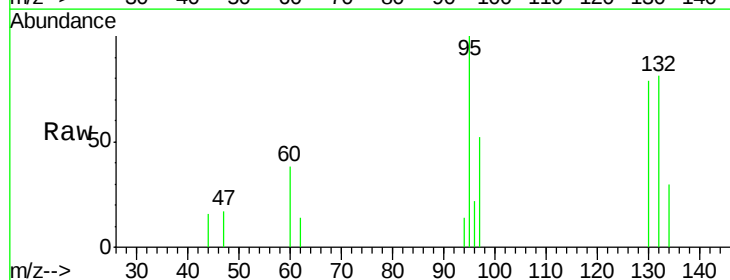
Ion	Ratio	Lower	Upper
95	100		
97	52.2	45.6	84.6
132	80.7	64.8	120.4
130	79.4	64.8	120.4

95 100

97 52.2 45.6 84.6

132 80.7 64.8 120.4

130 79.4 64.8 120.4

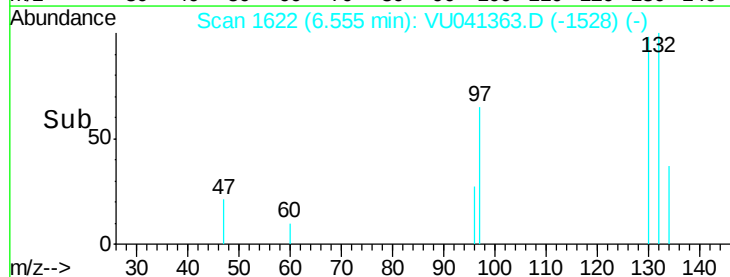
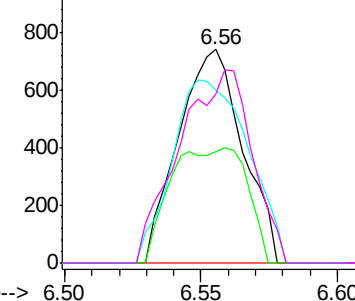


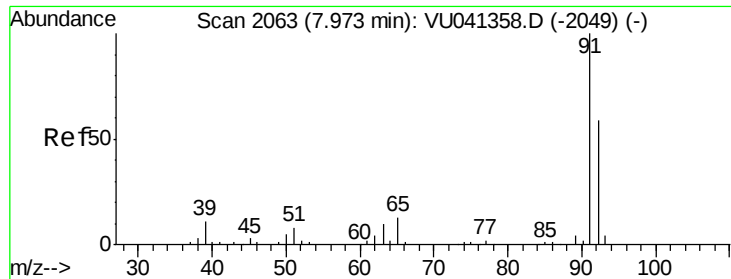
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 0.054 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041363.D

Acq: 20 Nov 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 91 Resp: 892

Ion Ratio Lower Upper

91 100

92 85.0 40.6 75.4#

