

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112420\
 Data File : VU041418.D
 Acq On : 24 Nov 2020 15:20
 Operator : SY/MD
 Sample : L4849-10DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4400DL

Quant Time: Nov 25 08:35:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 25 07:37:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	62553	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64044	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18509	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.92	69	14466	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.58	63	31340	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.65	46	63977	57.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.24%
24) Chloroform-d	5.08	84	43602	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	28411	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.74	84	74985	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	24567	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	58492	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.19	79	10643	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	45916	62.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23142	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	25804	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

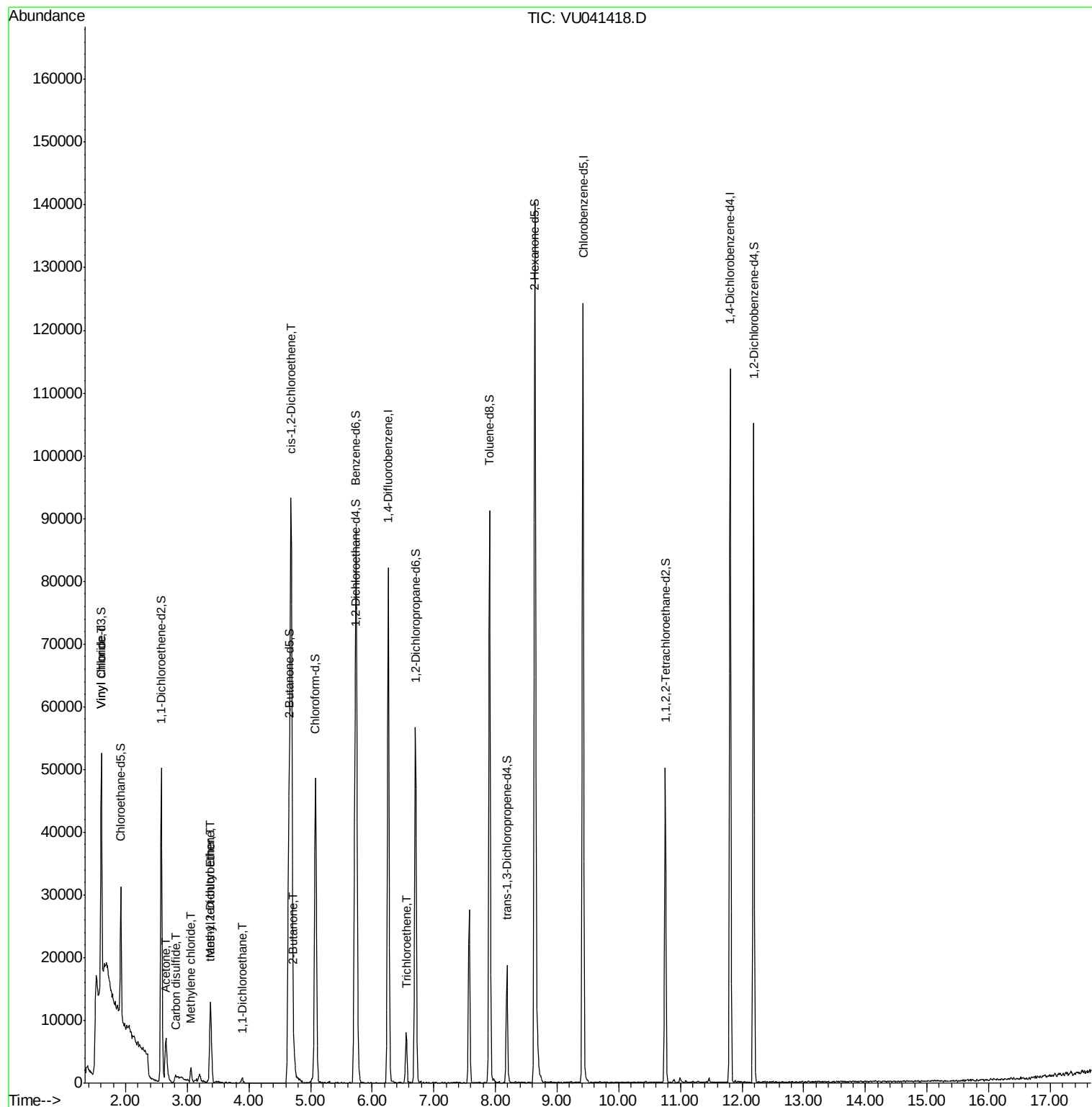
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	6339	1.160	ug/L #	1
13) Acetone	2.65	43	12049	15.918	ug/L	99
14) Carbon disulfide	2.81	76	1303	0.097	ug/L #	84
16) Methylene chloride	3.06	84	887	0.161	ug/L	78
17) Methyl tert-butyl Ether	3.38	73	11072	1.154	ug/L	99
18) trans-1,2-Dichloroethene	3.36	96	860	0.206	ug/L	96
19) 1,1-Dichloroethane	3.89	63	1349	0.162	ug/L #	86
21) 2-Butanone	4.73	43	6807	5.662	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	41313	9.300	ug/L	99
34) Trichloroethene	6.56	95	2885	0.617	ug/L	91

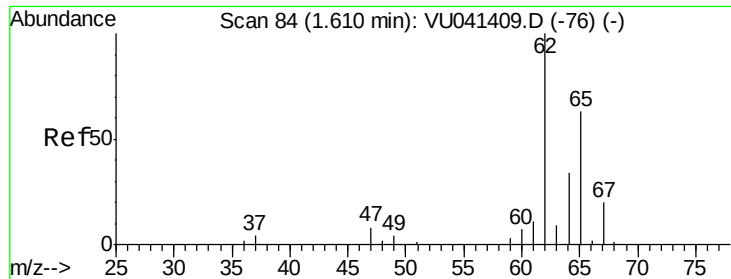
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.160 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041418.D

Acq: 24 Nov 2020 15:20

Instrument :

MSVOA_U

ClientSampled :

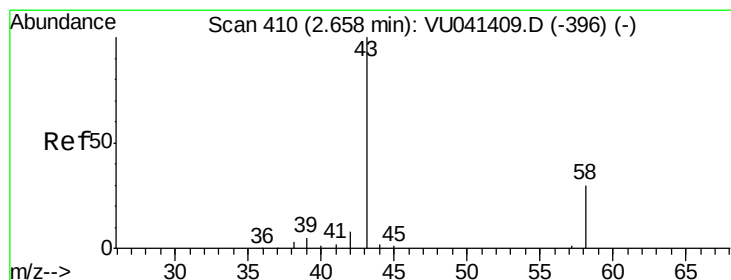
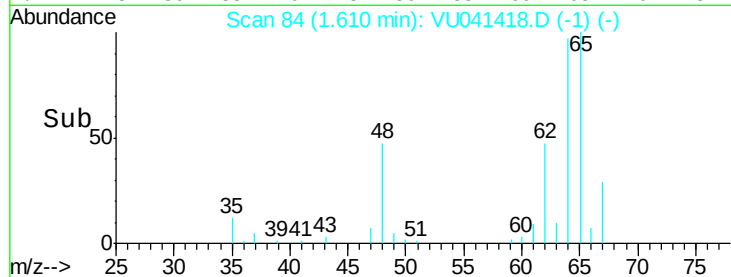
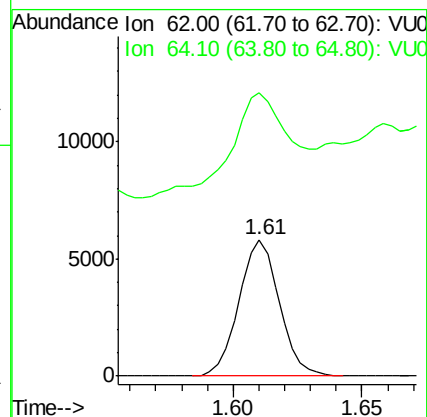
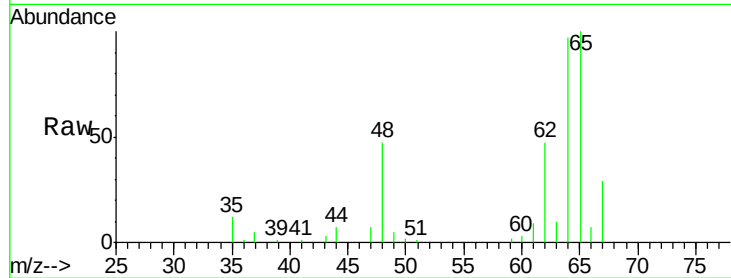
H4400DL

Tot Ion: 62 Resp: 6339

Ion Ratio Lower Upper

62 100

64 207.0 23.8 44.2#



#13

Acetone

Concen: 15.918 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU041418.D

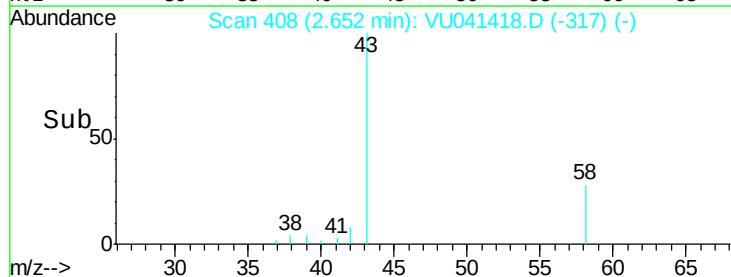
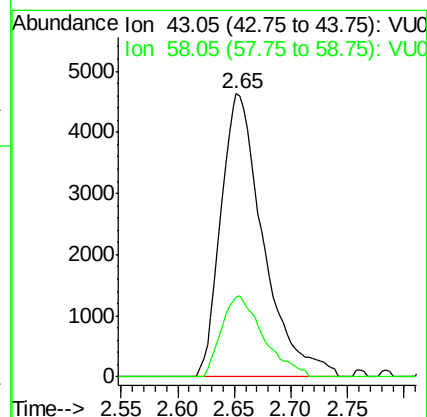
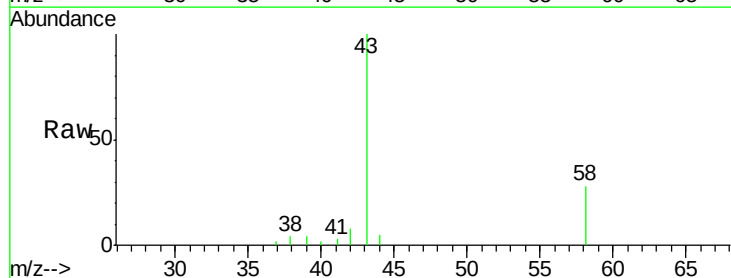
Acq: 24 Nov 2020 15:20

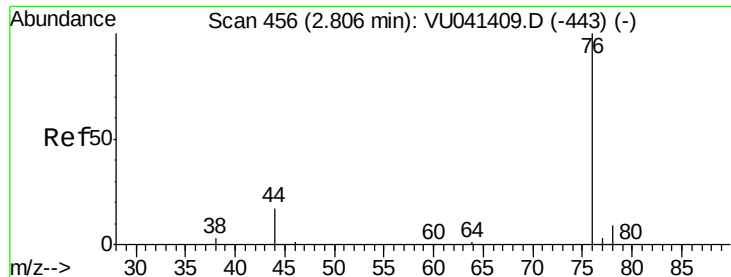
Tgt Ion: 43 Resp: 12049

Ion Ratio Lower Upper

43 100

58 28.3 0.0 57.8





#14

Carbon disulfide

Concen: 0.097 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041418.D

Acq: 24 Nov 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

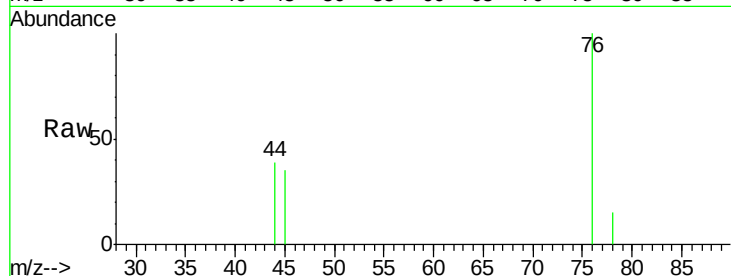
H4400DL

Tot Ion: 76 Resp: 1303

Ion Ratio Lower Upper

76 100

78 14.6 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

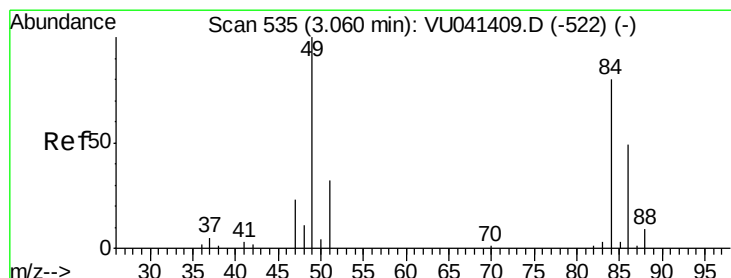
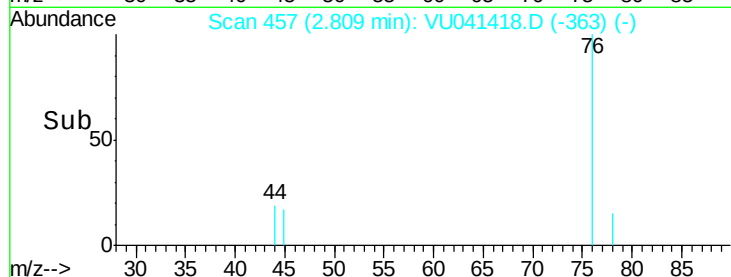
600

400

200

0

Time--> 2.75 2.80 2.85



#16

Methylene chloride

Concen: 0.161 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041418.D

Acq: 24 Nov 2020 15:20

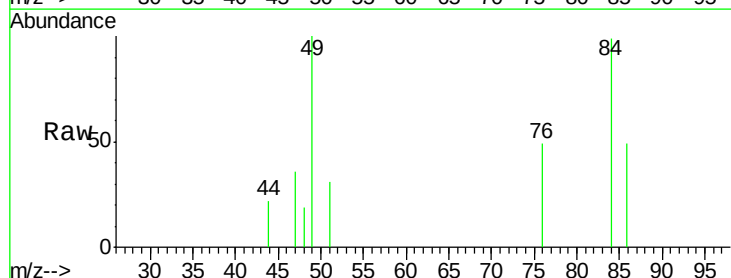
Tgt Ion: 84 Resp: 887

Ion Ratio Lower Upper

84 100

86 49.2 44.4 82.5

49 100.6 89.9 167.0



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

3.06

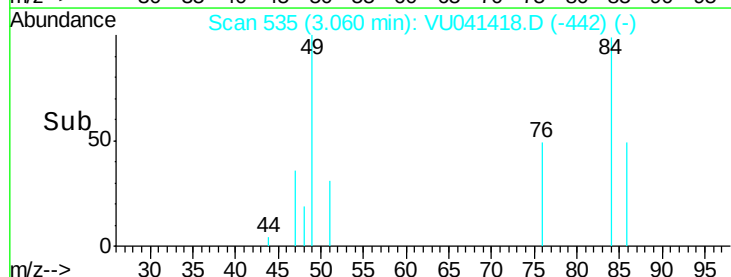
600

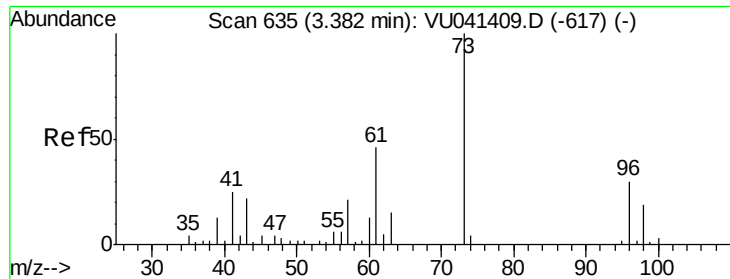
400

200

0

Time--> 3.02 3.04 3.06 3.08 3.10

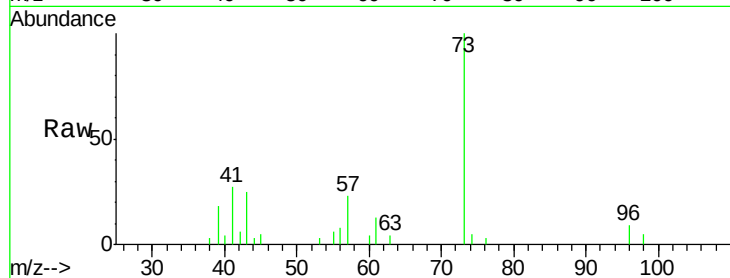




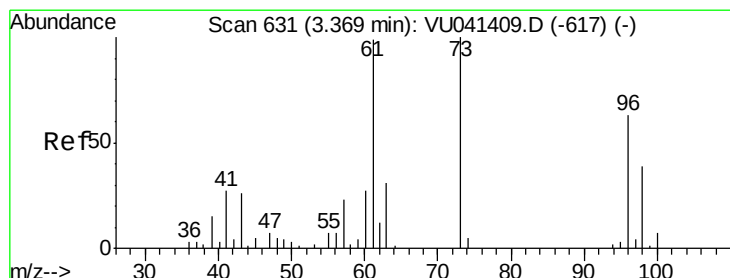
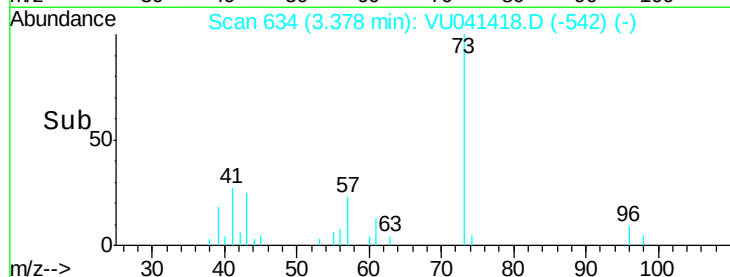
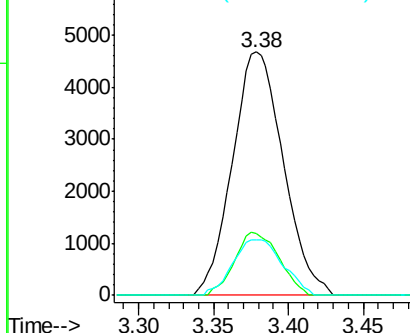
#17
Methyl tert-butyl Ether
Concen: 1.154 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041418.D
Acq: 24 Nov 2020 15:20

Instrument :
MSVOA_U
ClientSampleID :
H4400DL

Tot Ion: 73 Resp: 11072
Ion Ratio Lower Upper
73 100
43 22.4 18.3 27.5
57 22.5 17.7 26.5

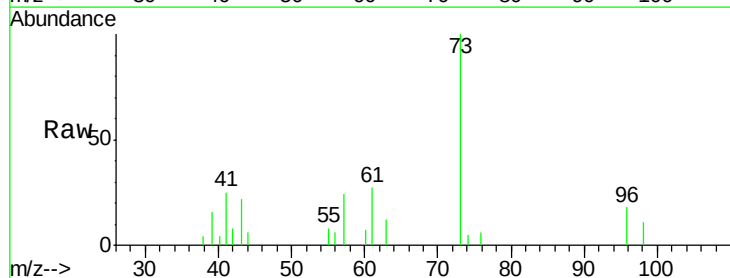


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

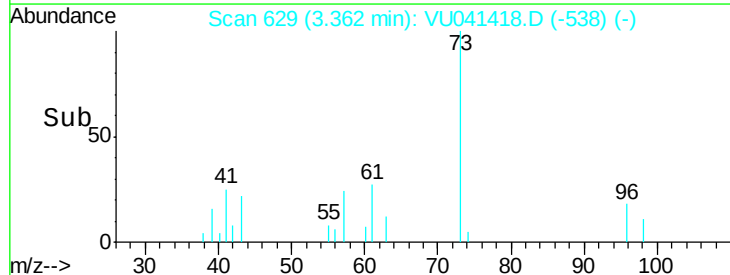
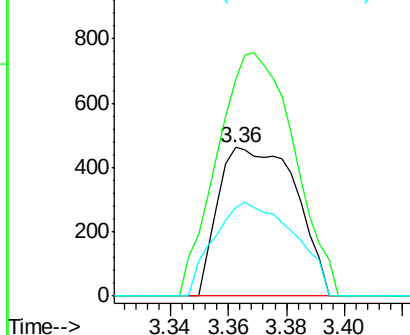


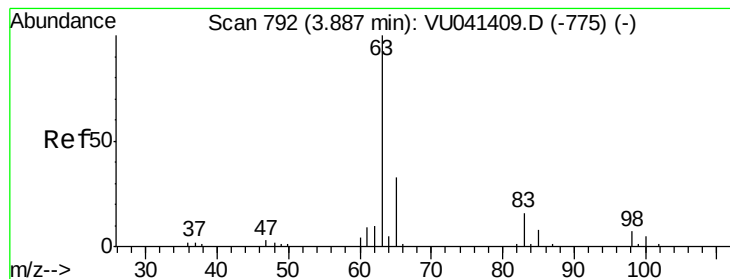
#18
trans-1,2-Dichloroethene
Concen: 0.206 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.01 min
Lab File: VU041418.D
Acq: 24 Nov 2020 15:20

Tgt Ion: 96 Resp: 860
Ion Ratio Lower Upper
96 100
61 146.2 103.7 192.5
98 59.4 47.5 88.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.162 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041418.D

Acq: 24 Nov 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

H4400DL

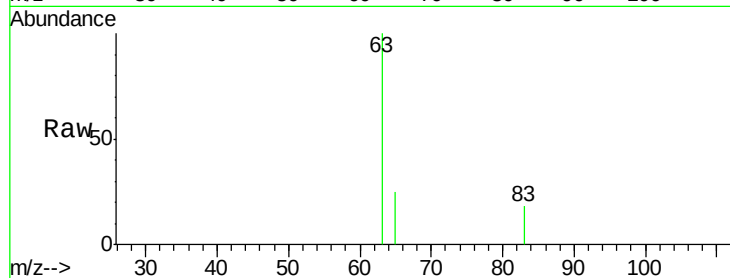
Tot Ion: 63 Resp: 1349

Ion Ratio Lower Upper

63 100

65 24.5 23.0 42.8

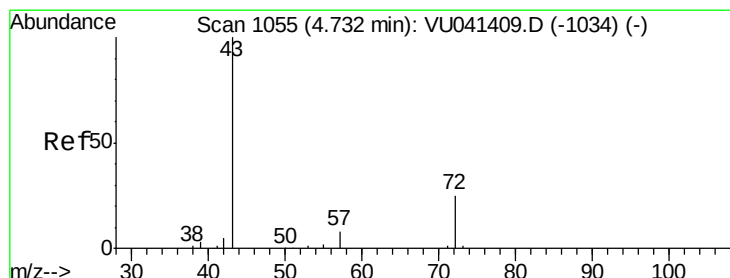
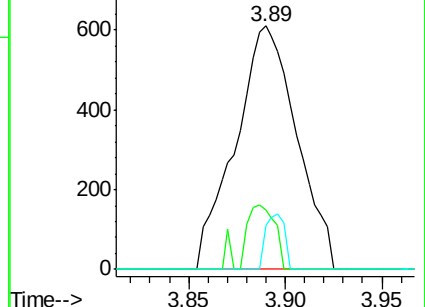
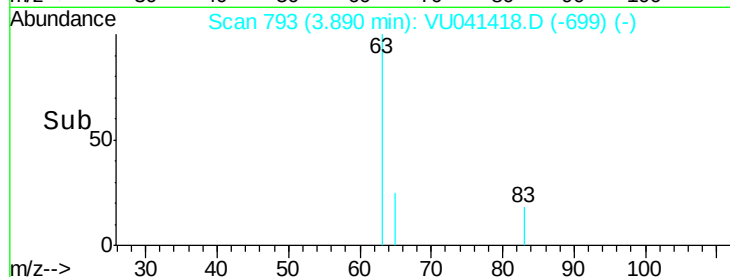
83 17.8 9.4 17.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041418.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041418.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041418.D (-699) (-)



#21

2-Butanone

Concen: 5.662 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU041418.D

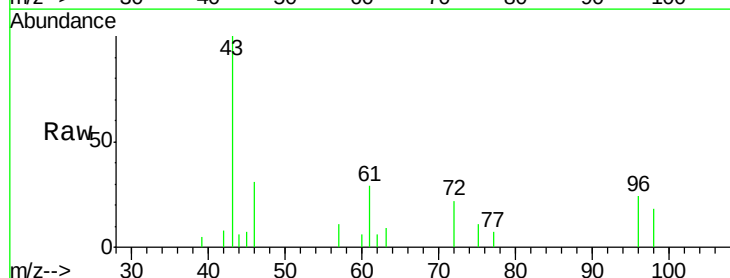
Acq: 24 Nov 2020 15:20

Tgt Ion: 43 Resp: 6807

Ion Ratio Lower Upper

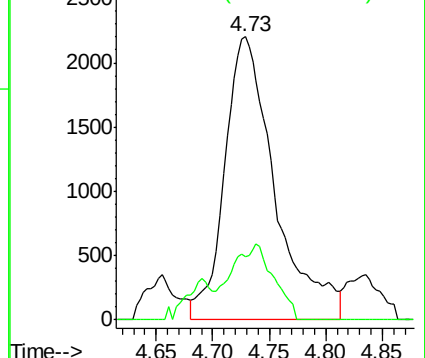
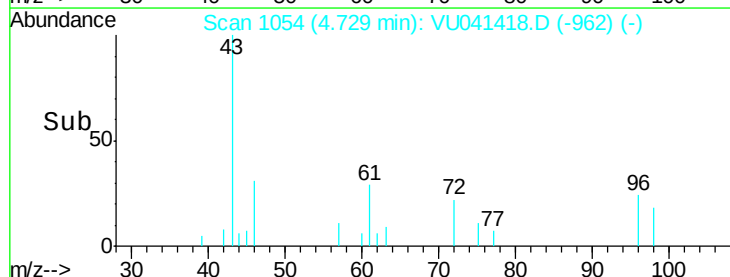
43 100

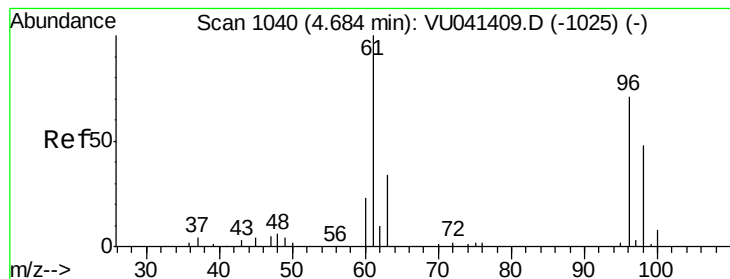
72 22.4 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU041418.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU041418.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.300 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041418.D

Acq: 24 Nov 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

H4400DL

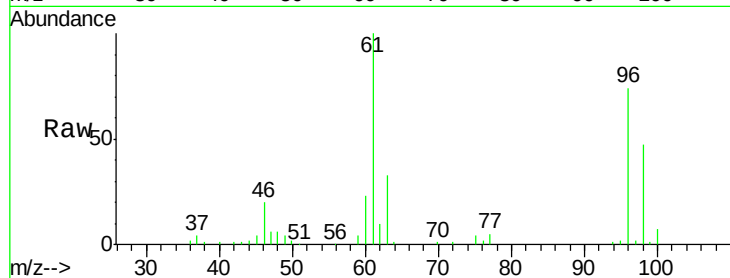
Tot Ion: 96 Resp: 41313

Ion Ratio Lower Upper

96 100

61 135.3 95.3 176.9

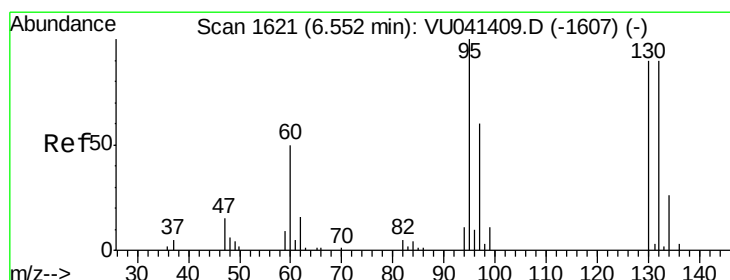
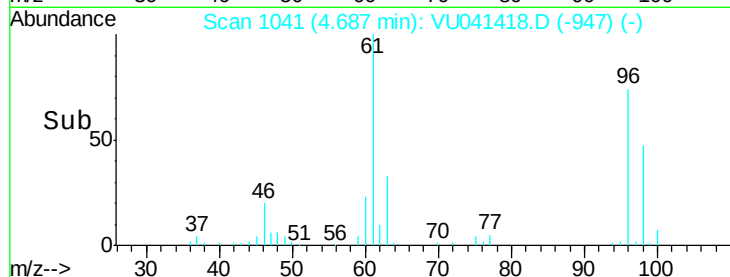
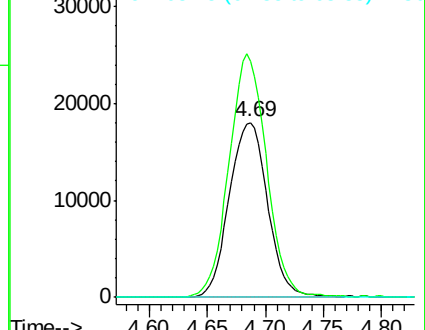
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene

Concen: 0.617 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041418.D

Acq: 24 Nov 2020 15:20

Tgt Ion: 95 Resp: 2885

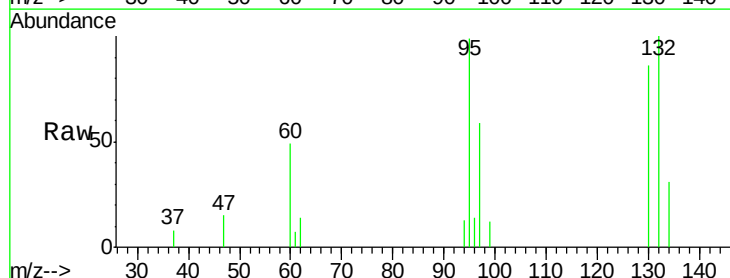
Ion Ratio Lower Upper

95 100

97 59.6 46.5 86.5

132 101.0 60.8 113.0

130 86.9 63.3 117.7



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

