

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112420\
 Data File : VU041414.D
 Acq On : 24 Nov 2020 13:21
 Operator : SY/MD
 Sample : L4849-03DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4406DL

Quant Time: Nov 25 07:39:09 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	59668	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	66252	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28467	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19002	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.92	69	14930	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	32963	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	4.65	46	78282	73.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	146.54%#
24) Chloroform-d	5.08	84	44527	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.72	65	31716	6.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.40%
32) Benzene-d6	5.74	84	80784	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.70	67	23790	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.91	98	68207	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	11725	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.64	63	49006	63.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24991	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	27241	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	3590	0.688	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	184	0.044	ug/L #	21
16) Methylene chloride	3.06	84	757	0.144	ug/L #	74
17) Methyl tert-butyl Ether	3.38	73	1555	0.170	ug/L #	86
18) trans-1,2-Dichloroethene	3.37	96	1718	0.431	ug/L	88
22) cis-1,2-Dichloroethene	4.69	96	36971	8.725	ug/L	96
25) Chloroform	5.10	83	2646	0.304	ug/L	95
27) 1,2-Dichloroethane	5.74	62	378	0.067	ug/L #	78
34) Trichloroethene	6.55	95	4451	0.920	ug/L	95
35) Methylcyclohexane	6.70	83	6233	0.883	ug/L #	16
37) 1,2-Dichloropropane	6.70	63	3012	0.618	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	966	0.144	ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	542	0.088	ug/L	91
48) 2-Hexanone	8.69	43	1512	0.689	ug/L #	76
59) 1,2,3-Trichloropropane	11.81	75	3372	1.059	ug/L #	81

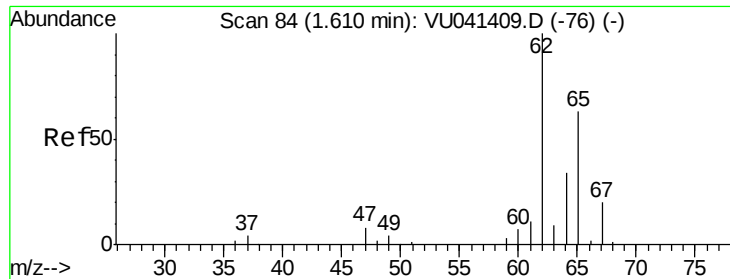
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112420\
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QLast Update : Wed Nov 25 07:37:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#5

Vinyl chloride

Concen: 0.688 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

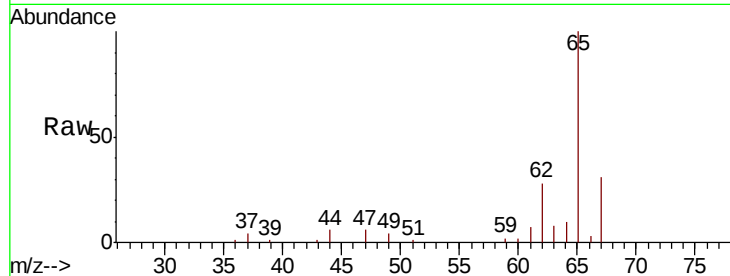
H4406DL

Tot Ion: 62 Resp: 3590

Ion Ratio Lower Upper

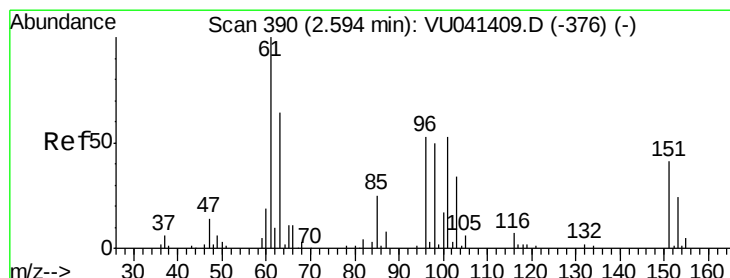
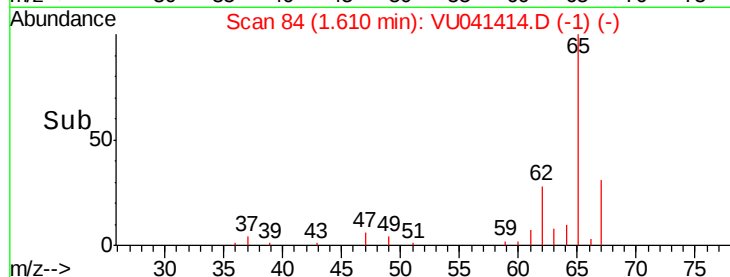
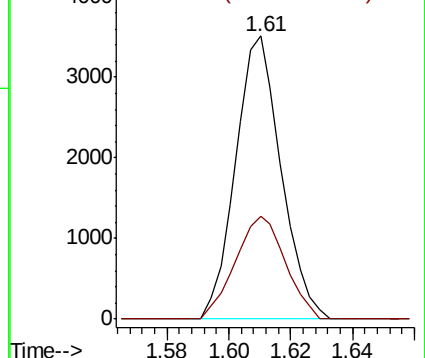
62 100

64 36.2 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU041409.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU041409.D (-76) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.044 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

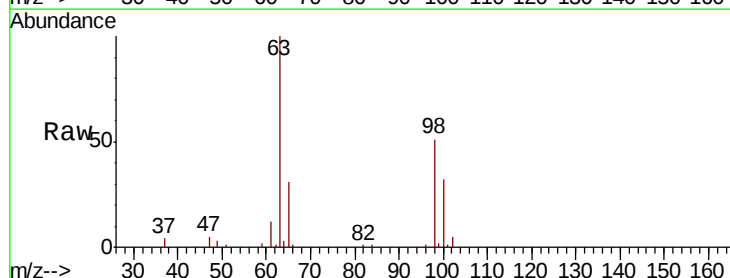
Tgt Ion: 101 Resp: 184

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

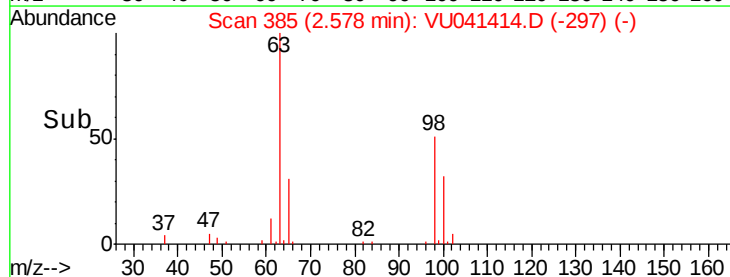
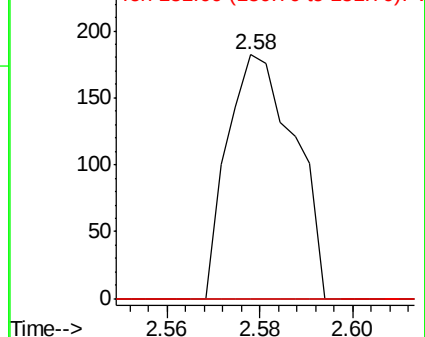
151 0.0 56.2 84.2#

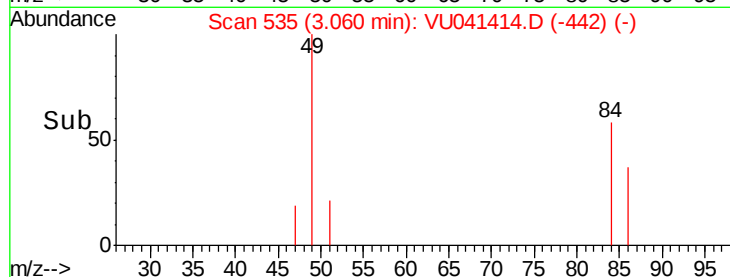
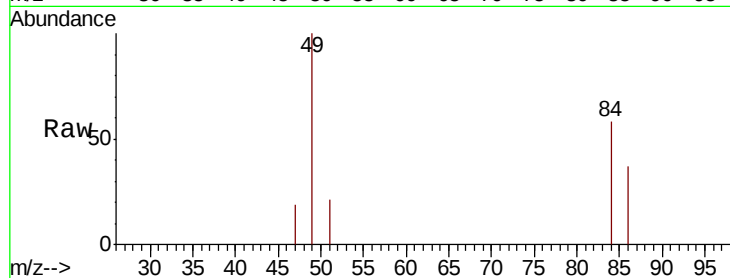
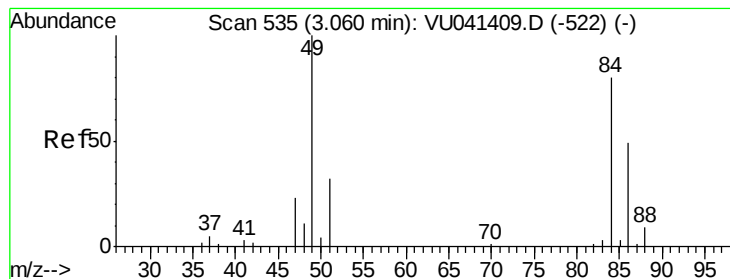


Abundance Ion 101.00 (100.70 to 101.70): VU041409.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VU041409.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VU041409.D (-376) (-)





#16

Methylene chloride

Concen: 0.144 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

Instrument :

MSVOA_U

ClientSampled :

H4406DL

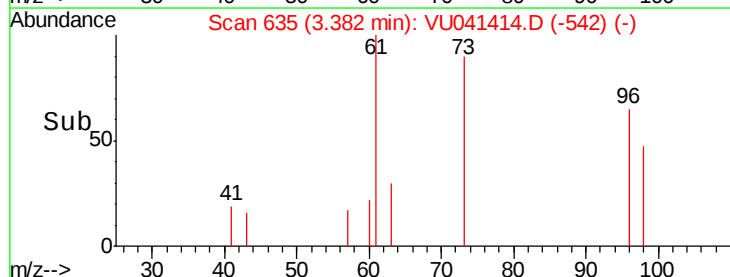
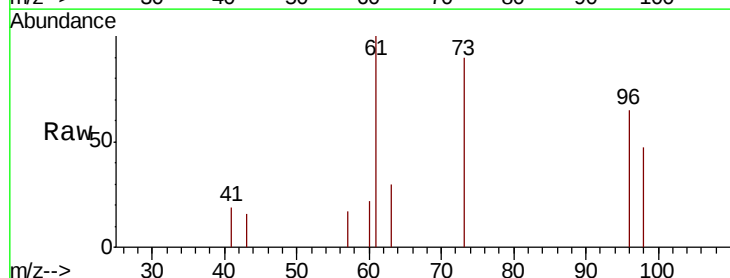
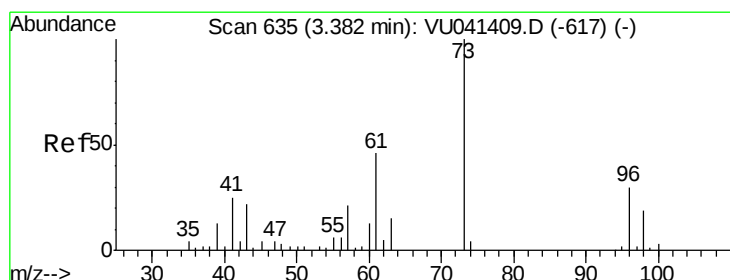
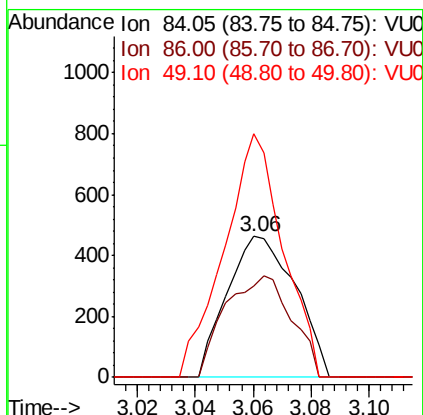
Tot Ion: 84 Resp: 757

Ion Ratio Lower Upper

84 100

86 64.6 44.4 82.5

49 172.6 89.9 167.0#



#17

Methyl tert-butyl Ether

Concen: 0.170 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

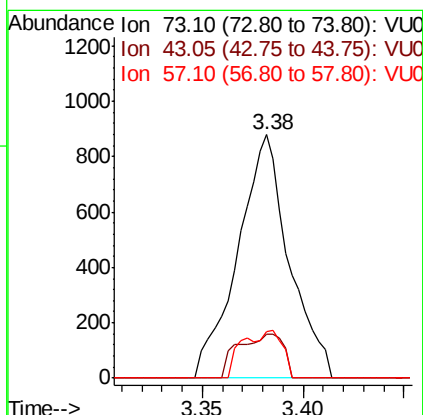
Tgt Ion: 73 Resp: 1555

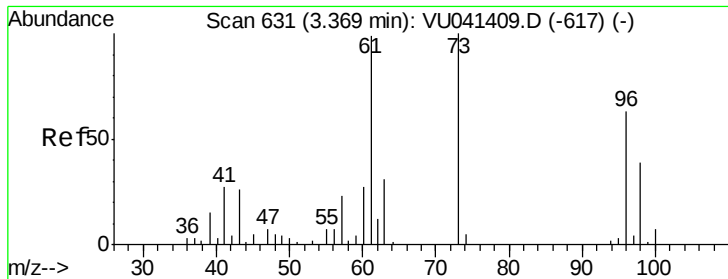
Ion Ratio Lower Upper

73 100

43 16.1 18.3 27.5#

57 15.3 17.7 26.5#

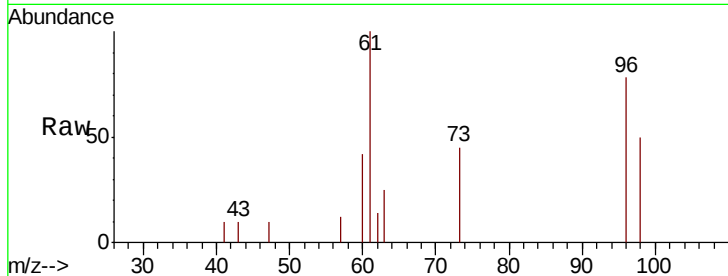




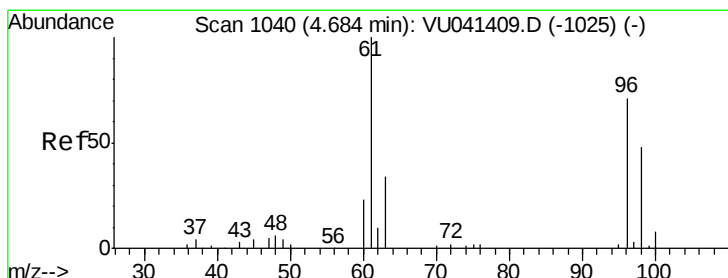
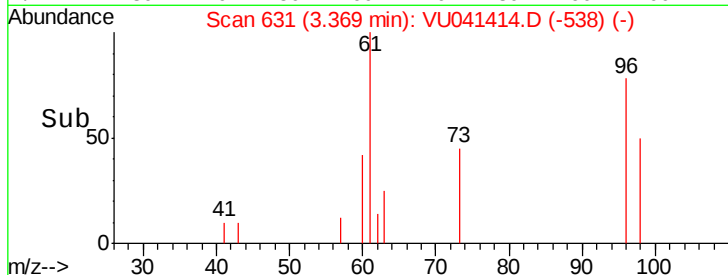
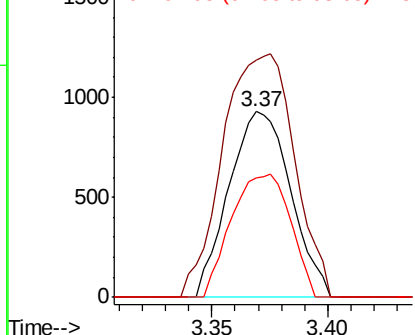
#18
trans-1,2-Dichloroethene
Concen: 0.431 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041414.D
Acq: 24 Nov 2020 13:21

Instrument :
MSVOA_U
ClientSampleID :
H4406DL

Tot Ion: 96 Resp: 1718
Ion Ratio Lower Upper
96 100
61 127.9 103.7 192.5
98 64.4 47.5 88.3

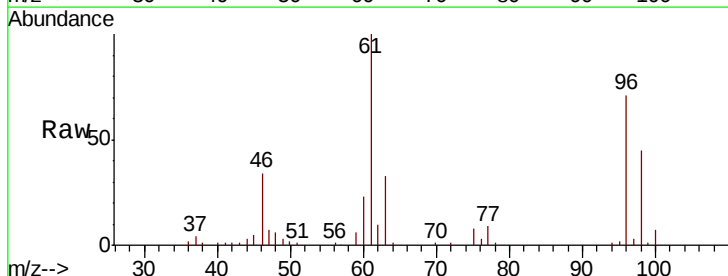


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

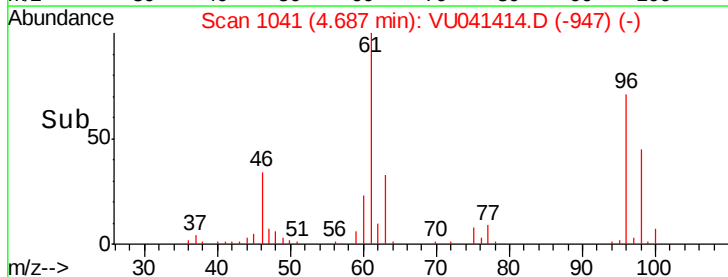
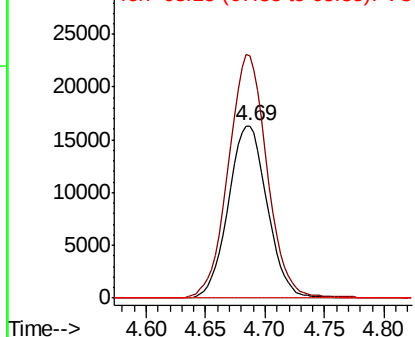


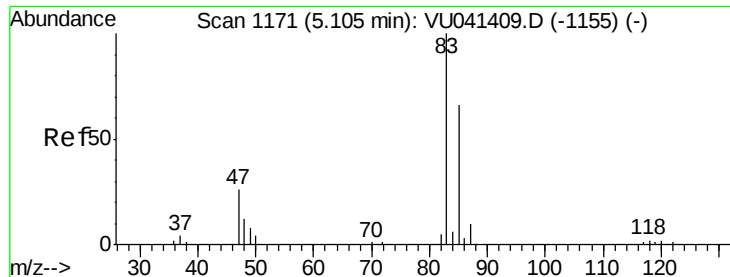
#22
cis-1,2-Dichloroethene
Concen: 8.725 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU041414.D
Acq: 24 Nov 2020 13:21

Tgt Ion: 96 Resp: 36971
Ion Ratio Lower Upper
96 100
61 140.3 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

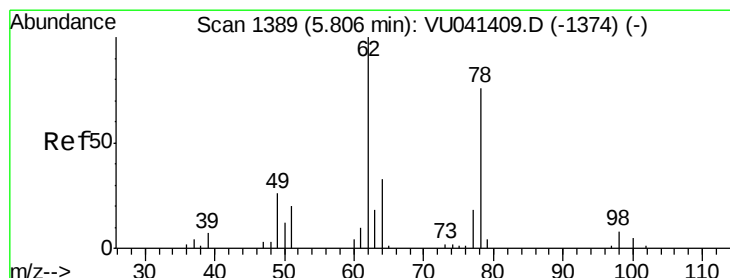
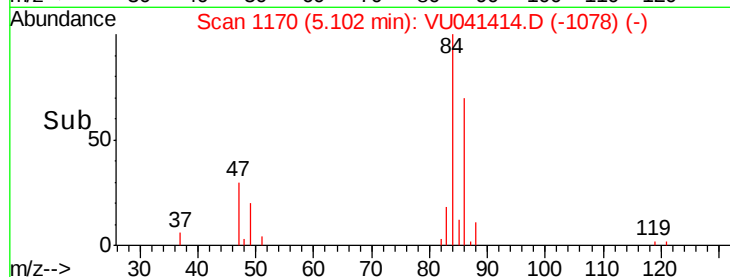
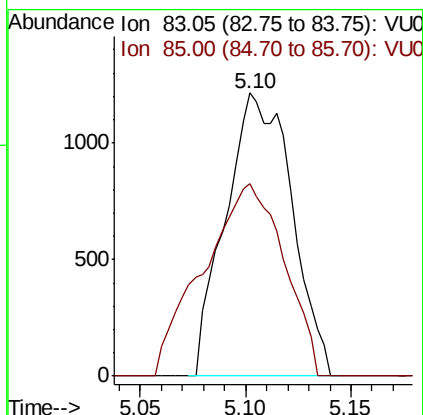
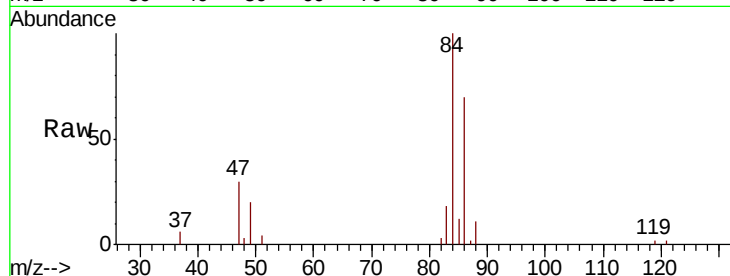




#25
Chloroform
Concen: 0.304 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041414.D
Acq: 24 Nov 2020 13:21

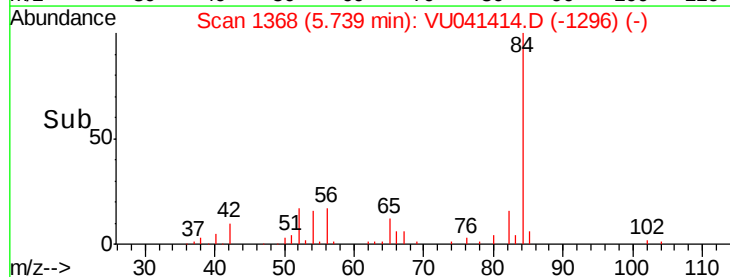
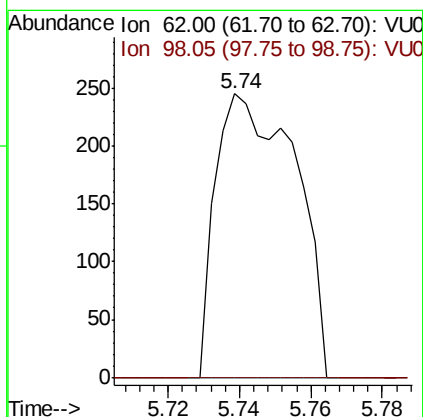
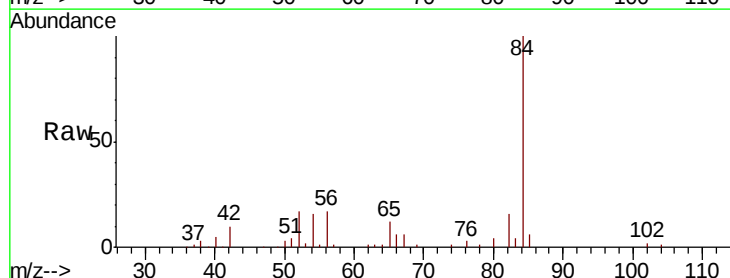
Instrument :
MSVOA_U
ClientSampled :
H4406DL

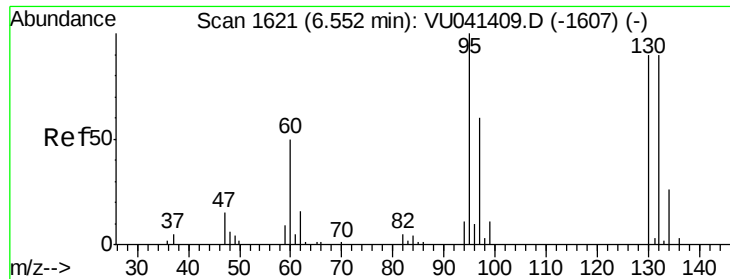
Tot Ion: 83 Resp: 2646
Ion Ratio Lower Upper
83 100
85 68.0 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.067 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU041414.D
Acq: 24 Nov 2020 13:21

Tgt Ion: 62 Resp: 378
Ion Ratio Lower Upper
62 100
98 0.0 6.0 9.0#





#34

Trichloroethene

Concen: 0.920 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

H4406DL

Tot Ion: 95 Resp: 4451

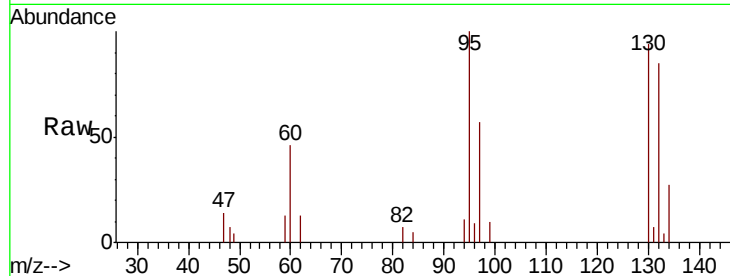
Ion Ratio Lower Upper

95 100

97 57.0 46.5 86.5

132 85.1 60.8 113.0

130 93.9 63.3 117.7

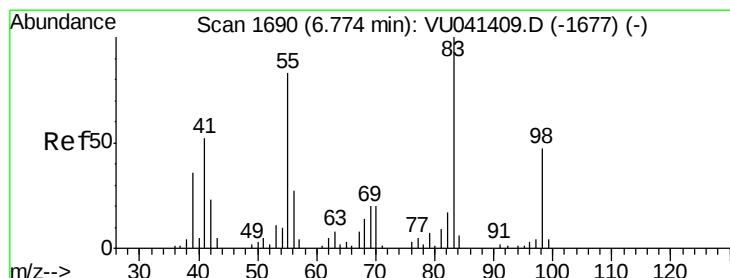
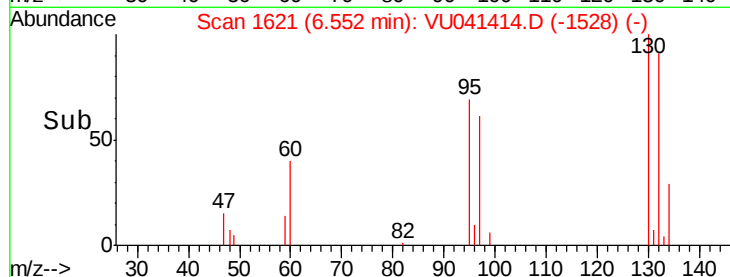
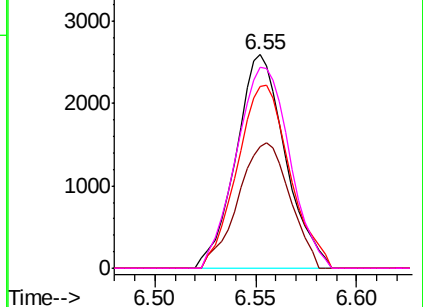


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.883 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

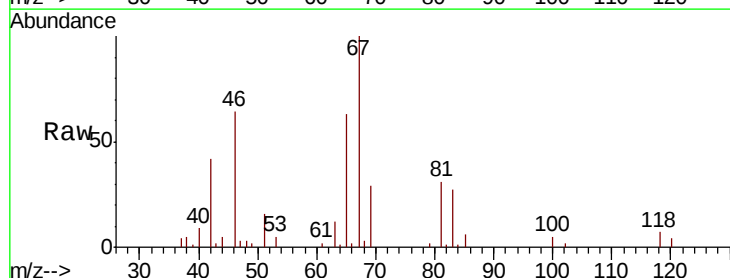
Tgt Ion: 83 Resp: 6233

Ion Ratio Lower Upper

83 100

55 0.0 68.4 102.6#

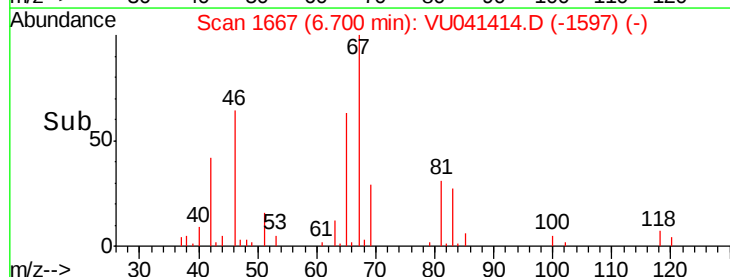
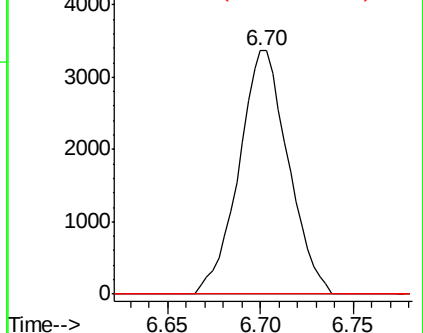
98 1.6 36.5 54.7#

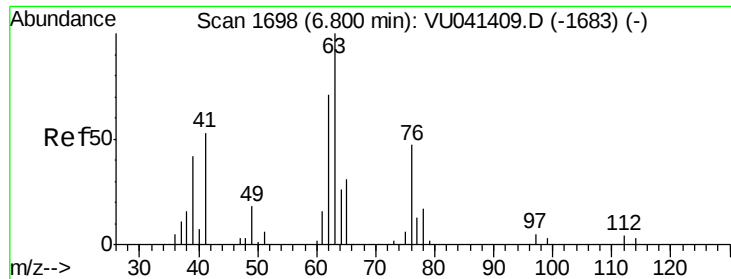


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

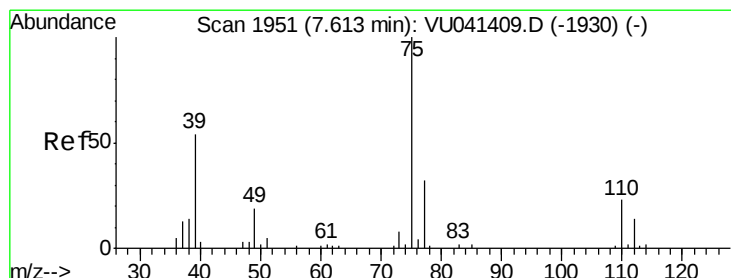
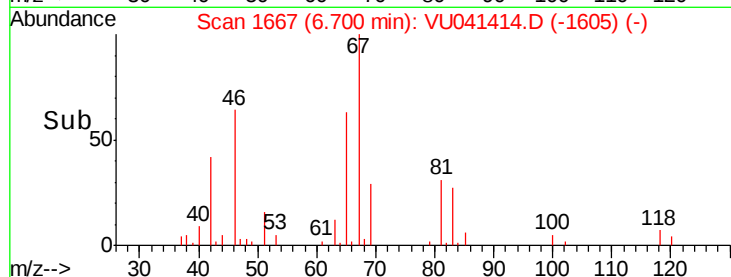
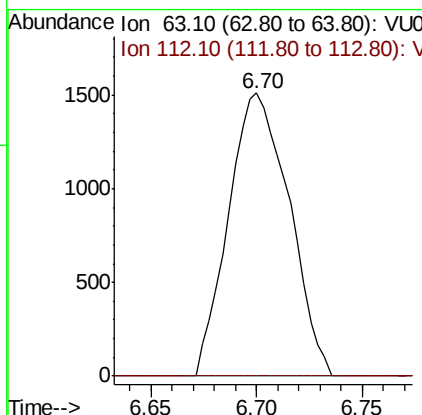
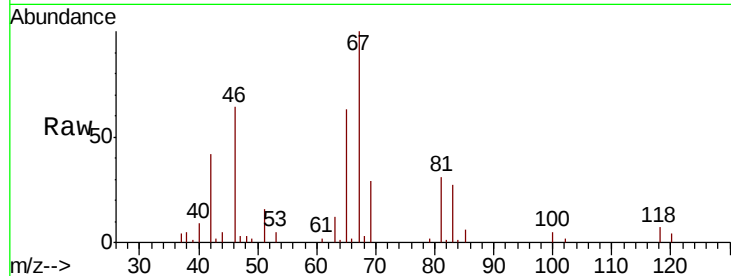




#37
 1,2-Dichloropropane
 Concen: 0.618 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041414.D
 Acq: 24 Nov 2020 13:21

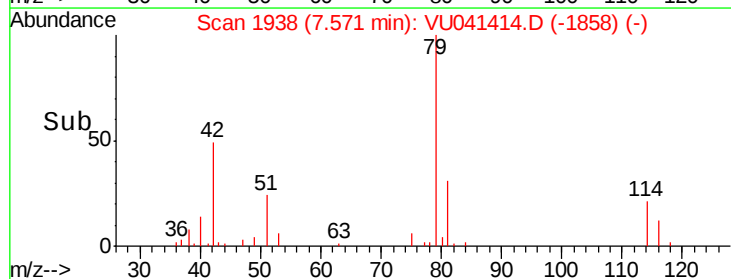
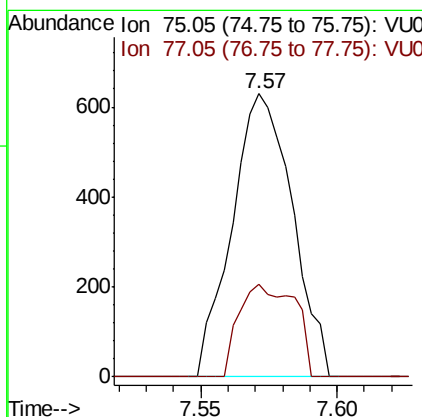
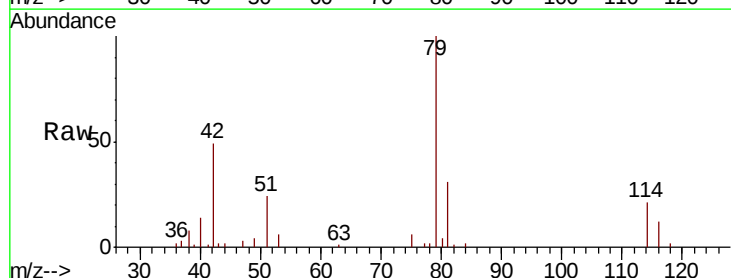
Instrument :
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 H4406DL

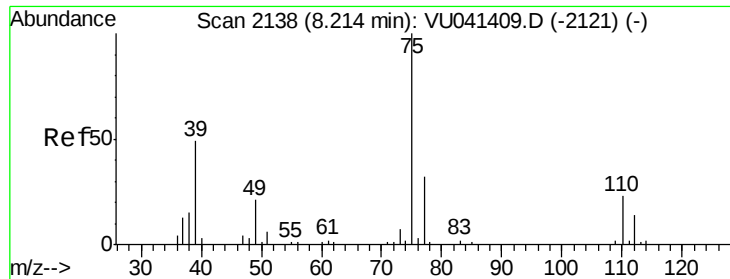
Tot Ion: 63 Resp: 3012
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 4.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.144 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041414.D
 Acq: 24 Nov 2020 13:21

Tgt Ion: 75 Resp: 966
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.1 41.1





#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

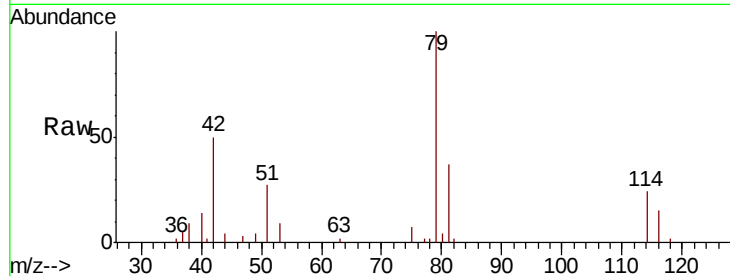
H4406DL

Tot Ion: 75 Resp: 542

Ion Ratio Lower Upper

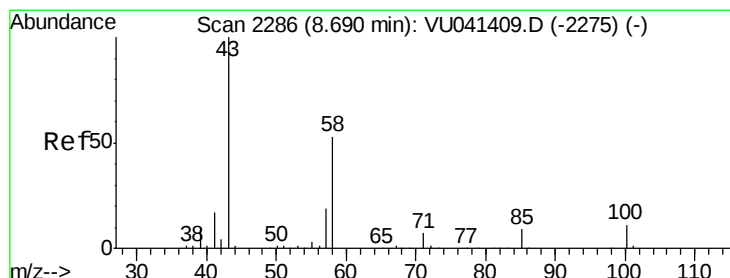
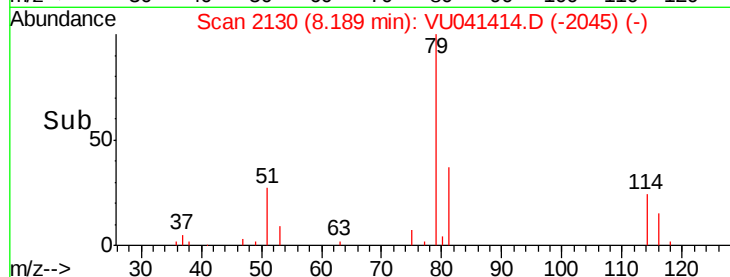
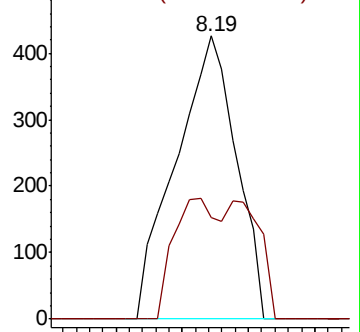
75 100

77 35.7 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 0.689 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

Tgt Ion: 43 Resp: 1512

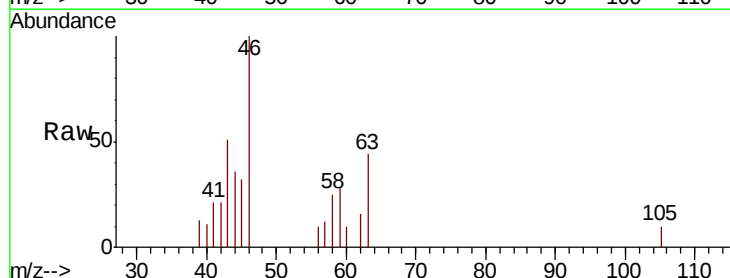
Ion Ratio Lower Upper

43 100

58 40.6 42.0 63.0#

57 0.0 15.0 22.4#

100 0.0 8.4 12.6#

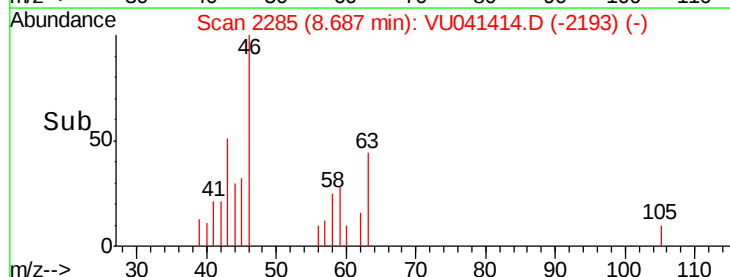
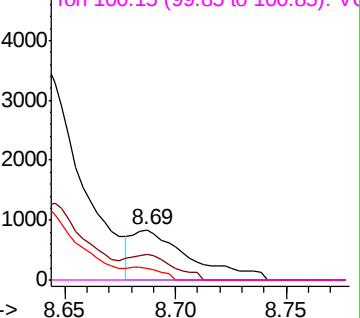


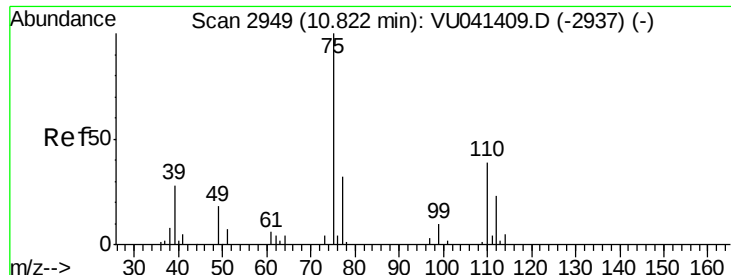
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.059 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041414.D

Acq: 24 Nov 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

H4406DL

Tot Ion: 75 Resp: 3372

Ion Ratio Lower Upper

75 100

77 41.9 25.1 37.7#

