

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041144.D
 Acq On : 09 Nov 2020 16:31
 Operator : SY/MD
 Sample : L4646-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T5

Quant Time: Nov 10 01:13:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	54909	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57654	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24625	5.00	ug/L	0.00

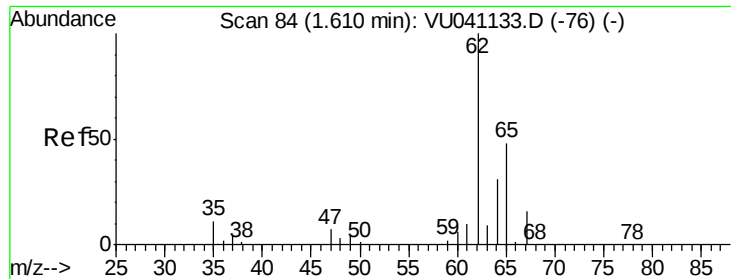
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14976	3.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.00%
7) Chloroethane-d5	1.92	69	13973	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	2.58	63	24444	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	4.65	46	82119	54.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.12%
24) Chloroform-d	5.08	84	40232	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	25307	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.74	84	68701	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.70	67	24955	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	53881	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.19	79	8946	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.64	63	60177	51.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23525	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	24674	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	5105	0.990	ug/L	88
12) 1,1-Dichloroethene	2.59	96	267	0.069	ug/L #	1
13) Acetone	2.66	43	2152	2.072	ug/L	79
15) Methyl Acetate	3.05	43	979	0.412	ug/L #	53
18) trans-1,2-Dichloroethene	3.37	96	4181	1.061	ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	102252	25.149	ug/L	95
27) 1,2-Dichloroethane	5.81	62	491	0.083	ug/L #	74
34) Trichloroethene	6.56	95	803	0.183	ug/L #	83
35) Methylcyclohexane	6.70	83	5798	0.887	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	2879	0.618	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	648	0.101	ug/L	91
44) trans-1,3-Dichloropropene	8.19	75	383	0.064	ug/L #	74
48) 2-Hexanone	8.64	43	8875	3.171	ug/L #	71
59) 1,2,3-Trichloropropane	11.81	75	3197	0.920	ug/L	91

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



#5

Vinyl chloride

Concen: 0.990 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041144.D

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Instrument :

MSVOA_U

ClientSampled :

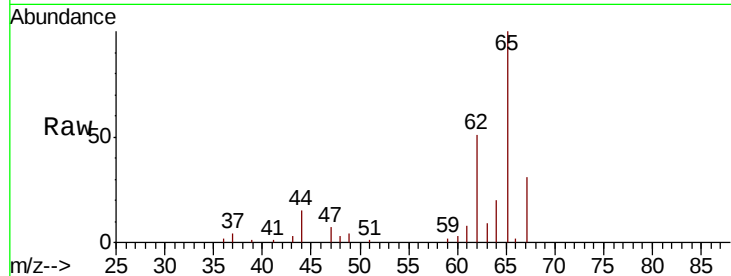
GB0T5

Tot Ion: 62 Resp: 5105

Ion Ratio Lower Upper

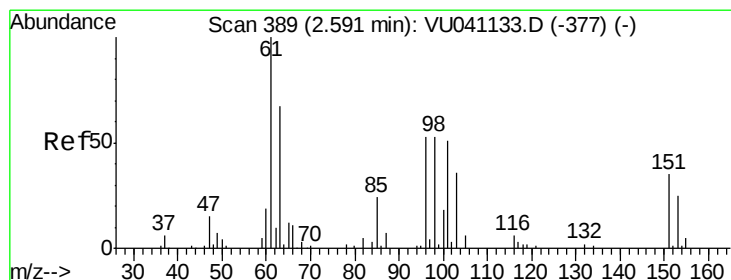
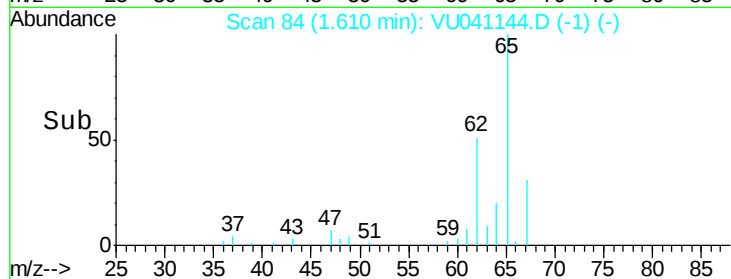
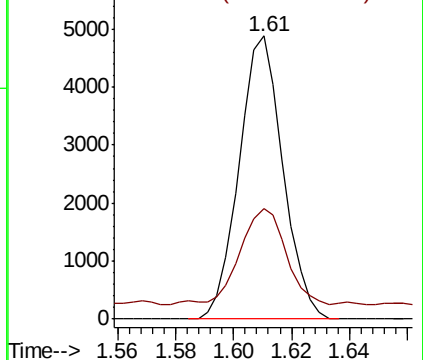
62 100

64 39.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041144.D

Acq: 09 Nov 2020 16:31

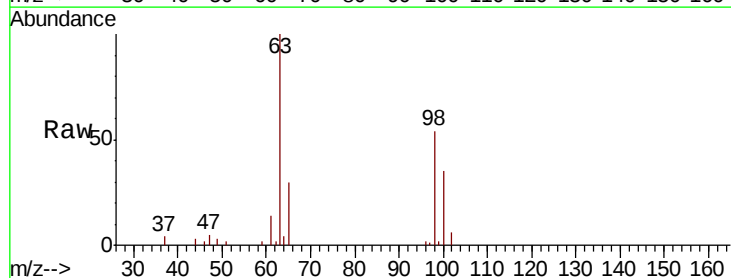
Tgt Ion: 96 Resp: 267

Ion Ratio Lower Upper

96 100

61 775.0 134.3 249.5#

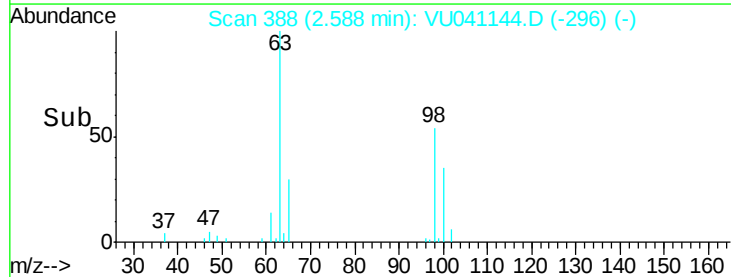
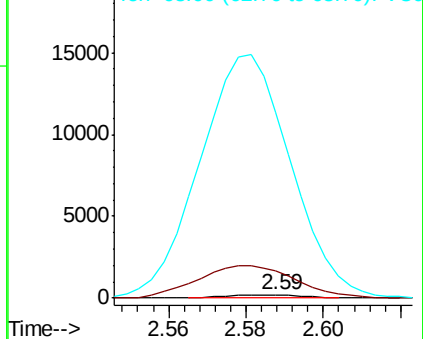
63 5373.6 95.0 176.4#

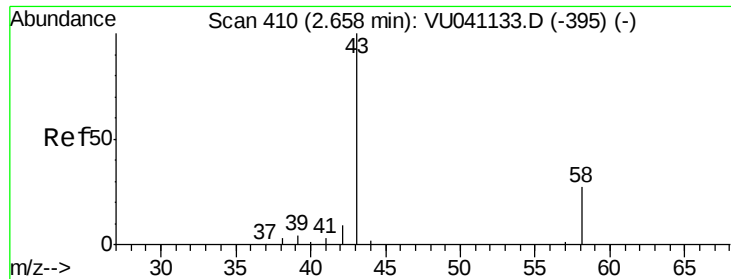


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.072 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041144.D

Acq: 09 Nov 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

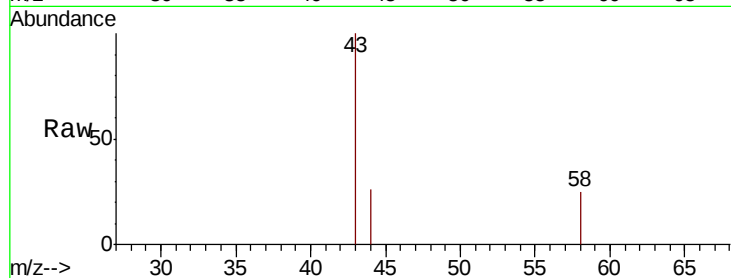
GB0T5

Tot Ion: 43 Resp: 2152

Ion Ratio Lower Upper

43 100

58 21.1 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

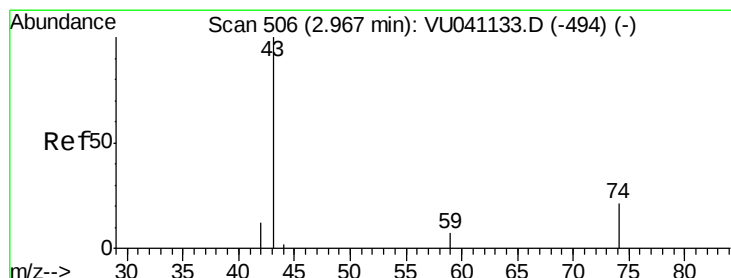
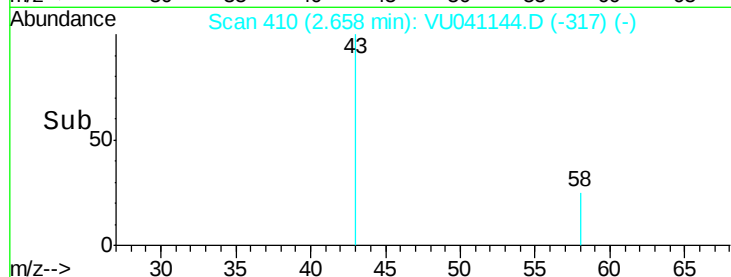
0

2.60

2.65

2.70

Time-->



#15

Methyl Acetate

Concen: 0.412 ug/L

RT: 3.05 min Scan# 533

Delta R.T. 0.09 min

Lab File: VU041144.D

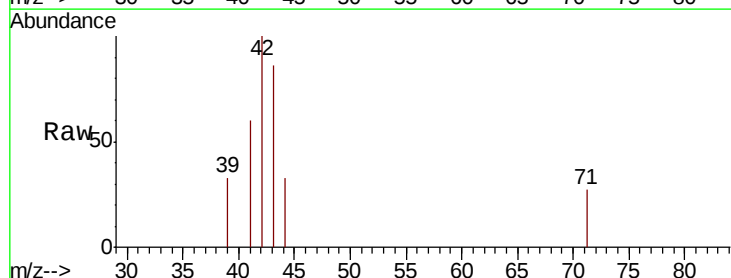
Acq: 09 Nov 2020 16:31

Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

3.05

400

300

200

100

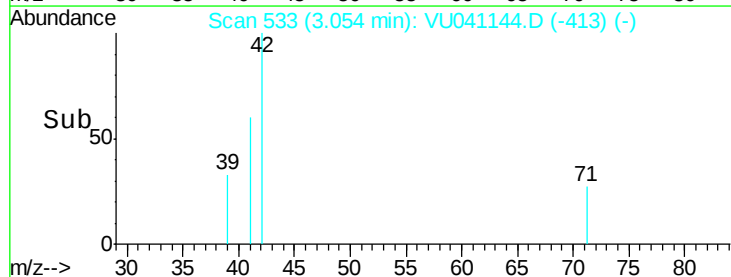
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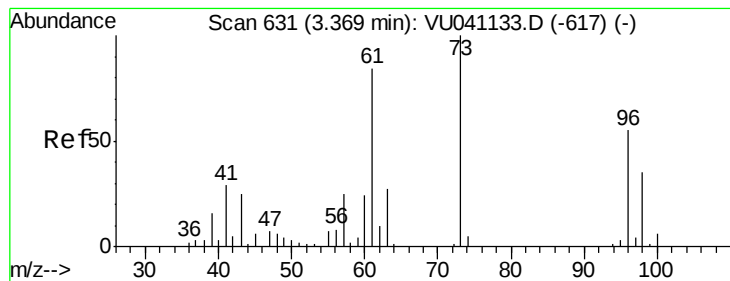
3.00

3.05

3.10

Time-->





#18

trans-1,2-Dichloroethene

Concen: 1.061 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU041144.D

Acq: 09 Nov 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

GB0T5

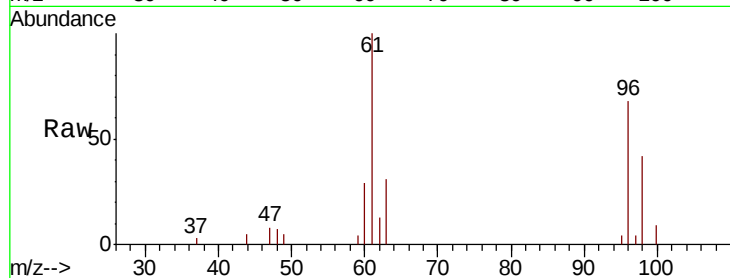
Tot Ion: 96 Resp: 4181

Ion Ratio Lower Upper

96 100

61 146.3 110.9 205.9

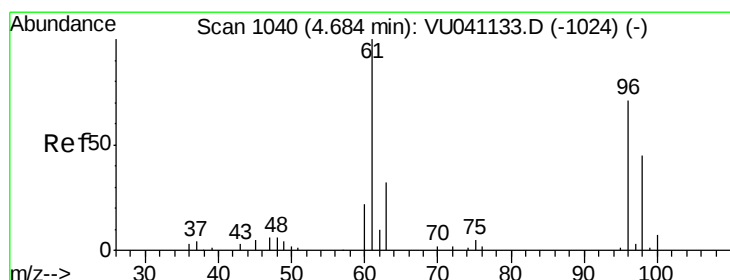
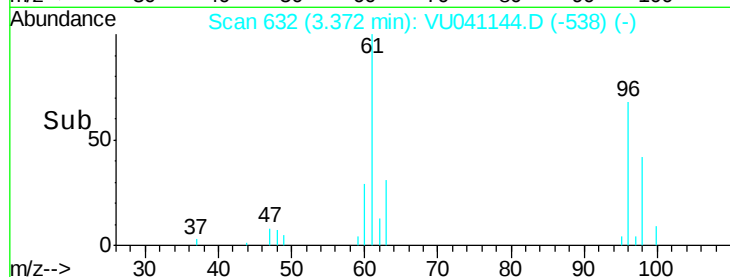
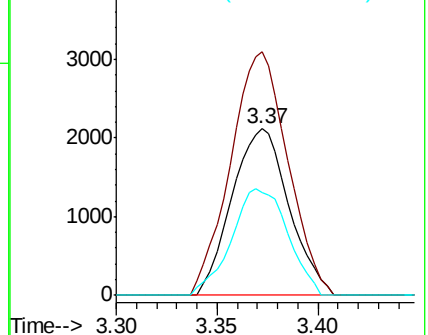
98 61.7 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041133.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU041133.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU041133.D (-617) (-)



#22

cis-1,2-Dichloroethene

Concen: 25.149 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041144.D

Acq: 09 Nov 2020 16:31

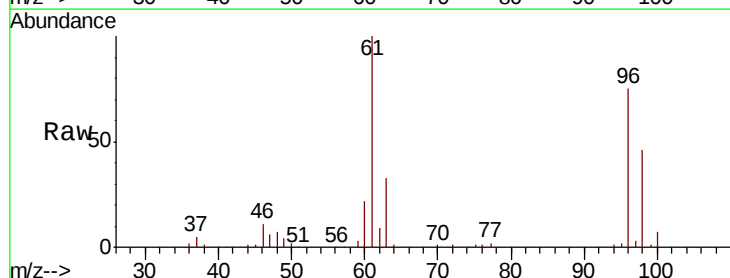
Tgt Ion: 96 Resp: 102252

Ion Ratio Lower Upper

96 100

61 132.7 97.2 180.4

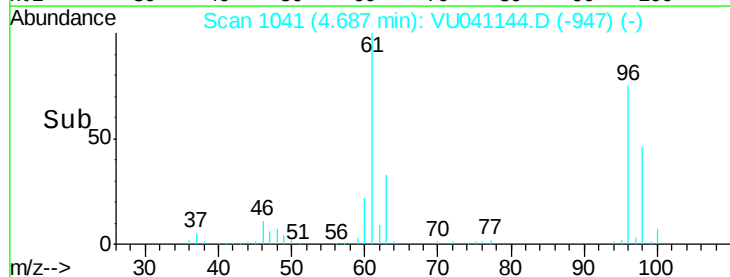
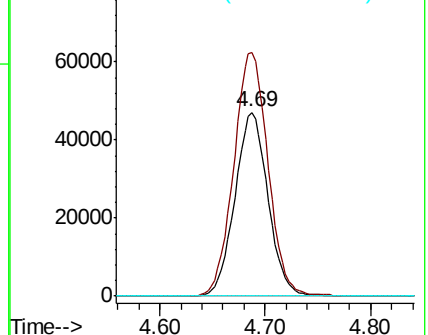
68 0.0 0.0 0.0

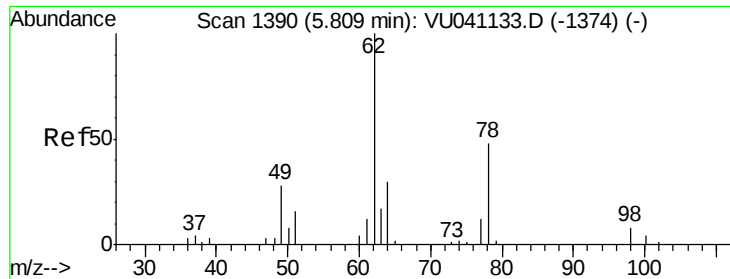


Abundance Ion 96.00 (95.70 to 96.70): VU041133.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041133.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU041133.D (-1024) (-)

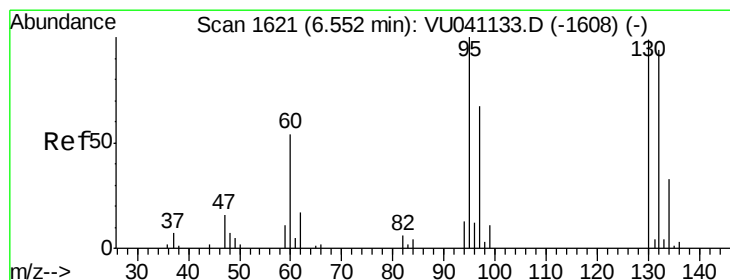
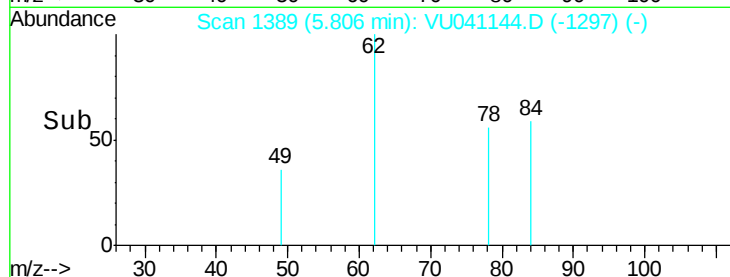
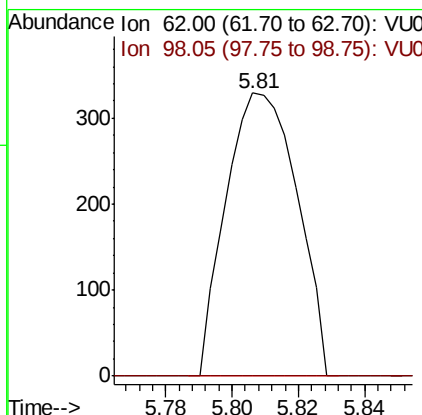
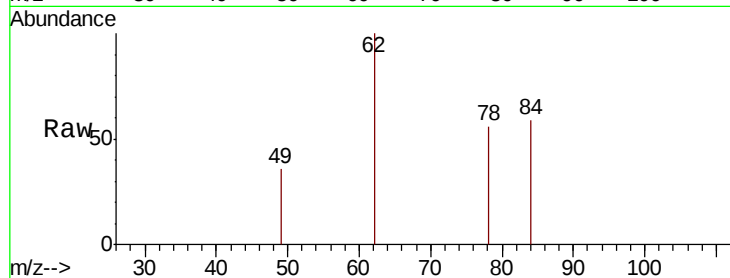




#27
 1,2-Dichloroethane
 Concen: 0.083 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VU041144.D
 Acq: 09 Nov 2020 16:31

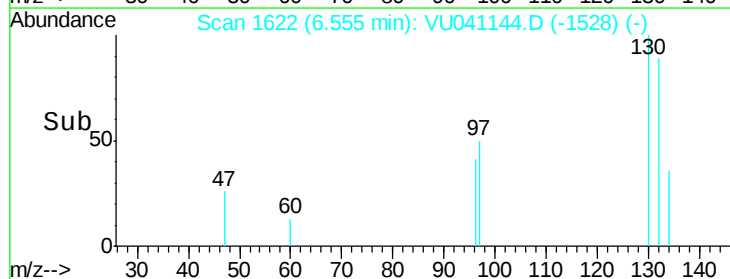
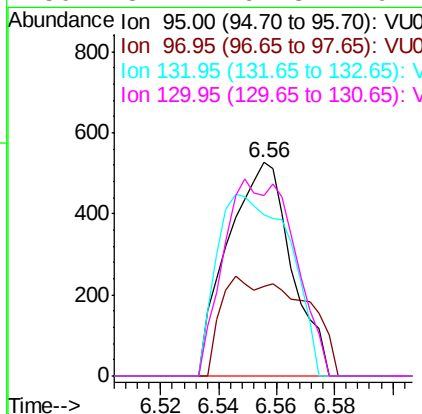
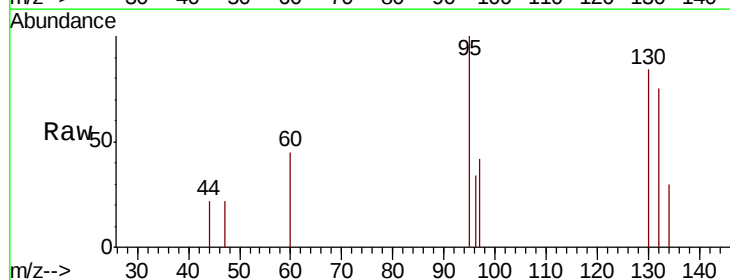
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T5

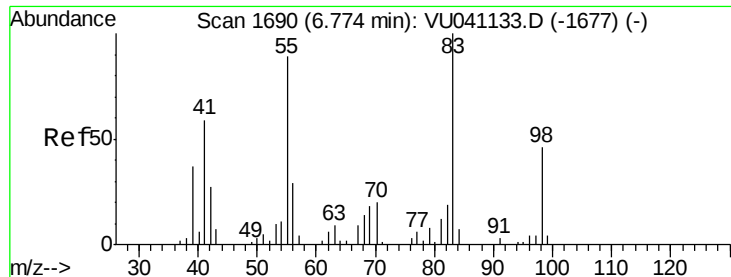
Tot Ion: 62 Resp: 491
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#34
 Trichloroethene
 Concen: 0.183 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041144.D
 Acq: 09 Nov 2020 16:31

Tgt Ion: 95 Resp: 803
 Ion Ratio Lower Upper
 95 100
 97 42.1 45.6 84.6#
 132 75.3 64.8 120.4
 130 84.4 64.8 120.4

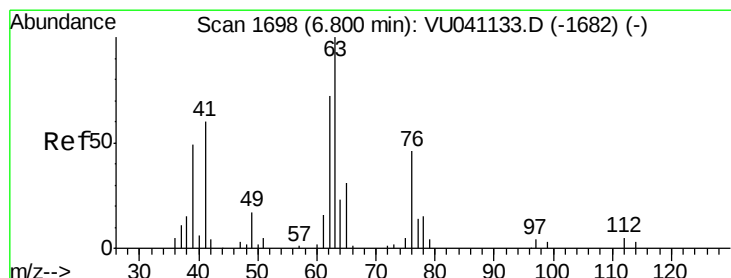
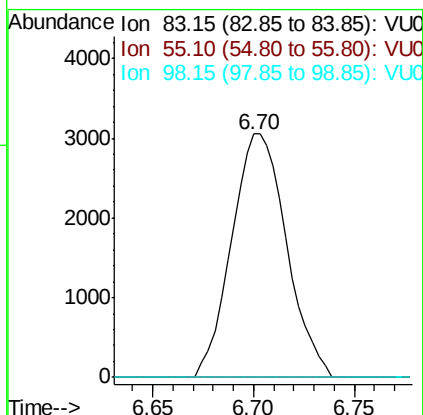
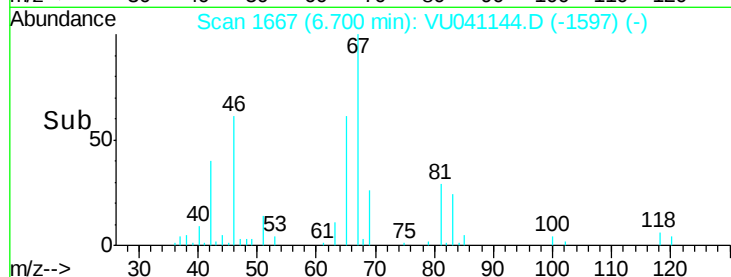
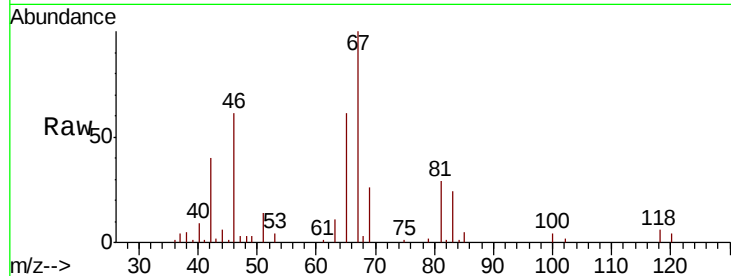




#35
Methylcyclohexane
Concen: 0.887 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041144.D
Acq: 09 Nov 2020 16:31

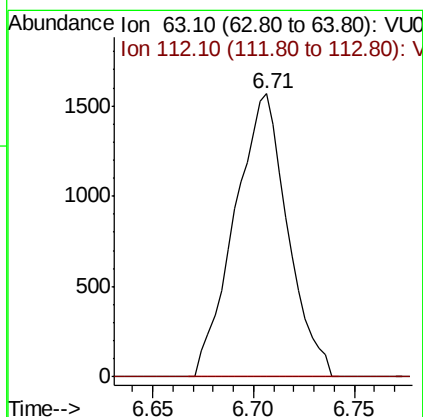
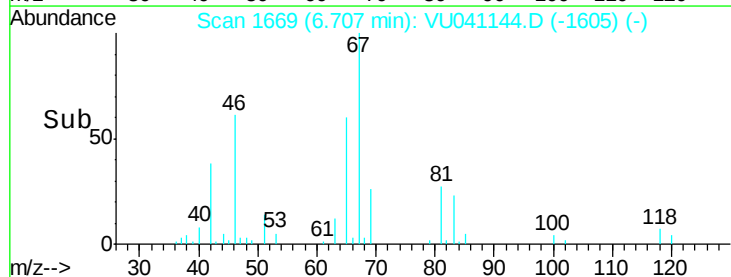
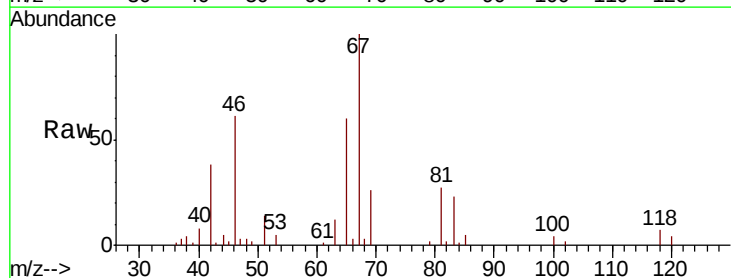
Instrument :
MSVOA_U
ClientSampleId :
GB0T5

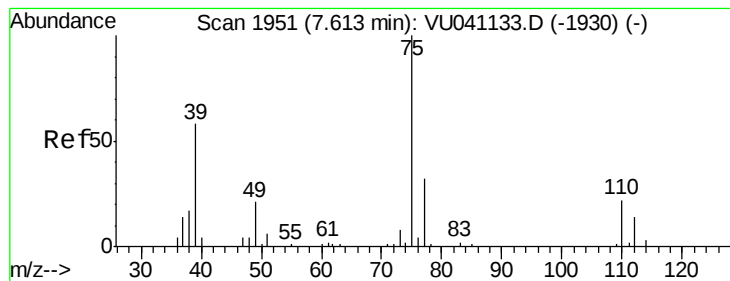
Tot Ion: 83 Resp: 5798
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.2 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.618 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041144.D
Acq: 09 Nov 2020 16:31

Tgt Ion: 63 Resp: 2879
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



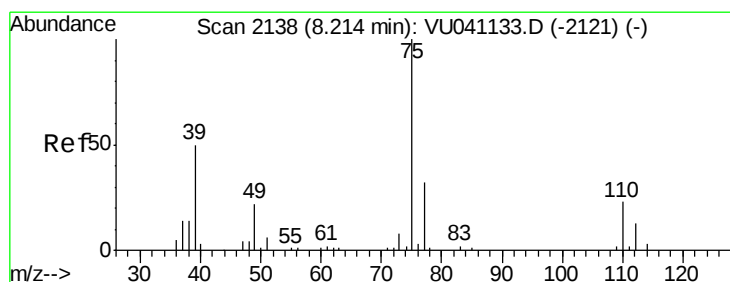
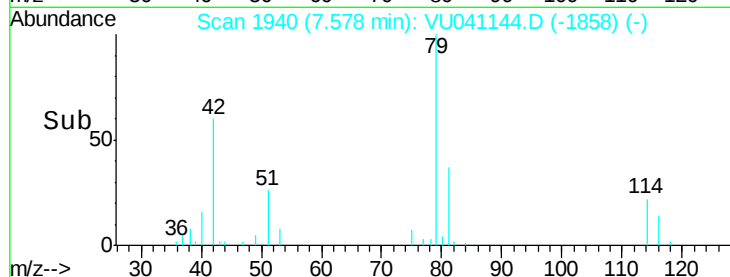
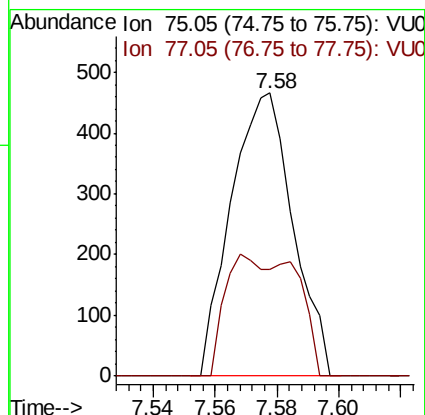
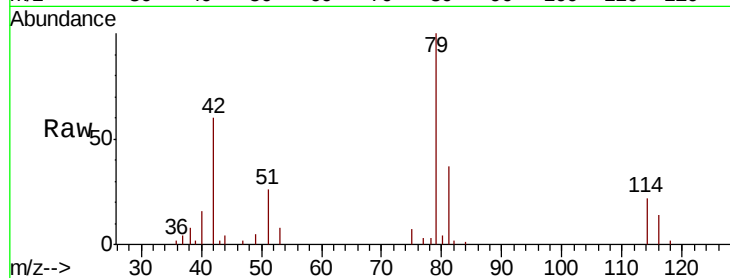


#39

cis-1,3-Dichloropropene
Concen: 0.101 ug/L
RT: 7.58 min Scan# 1940
Delta R.T. -0.04 min
Lab File: VU041144.D
Acq: 09 Nov 2020 16:31

Instrument :
MSVOA_U
ClientSampleId :
GB0T5

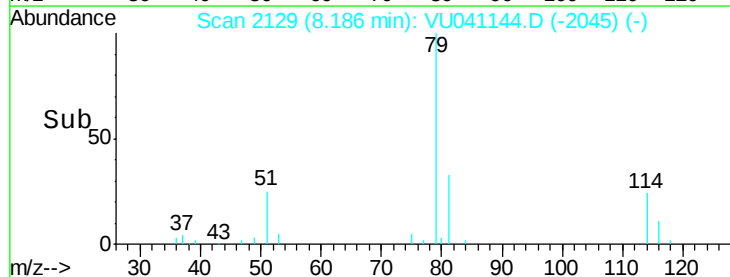
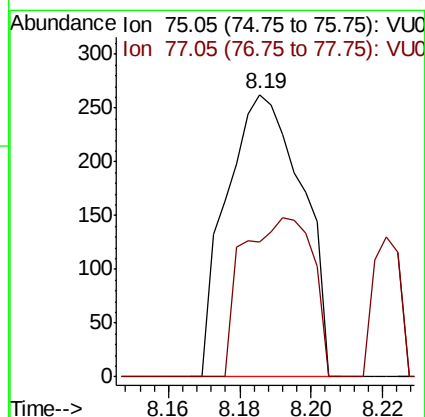
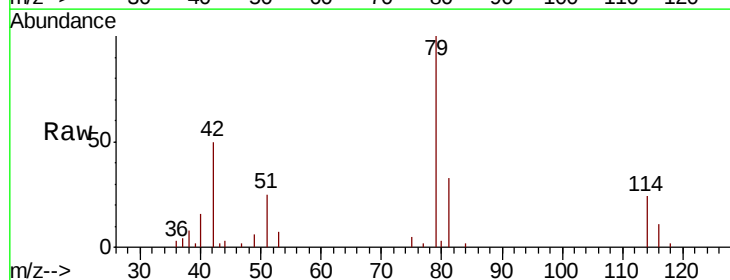
Tot Ion: 75 Resp: 648
Ion Ratio Lower Upper
75 100
77 37.6 22.7 42.3

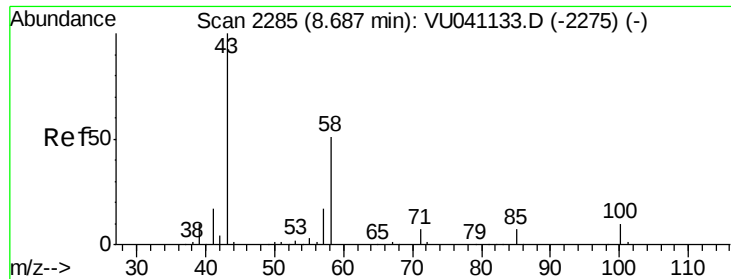


#44

trans-1,3-Dichloropropene
Concen: 0.064 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041144.D
Acq: 09 Nov 2020 16:31

Tgt Ion: 75 Resp: 383
Ion Ratio Lower Upper
75 100
77 47.9 23.3 43.3#

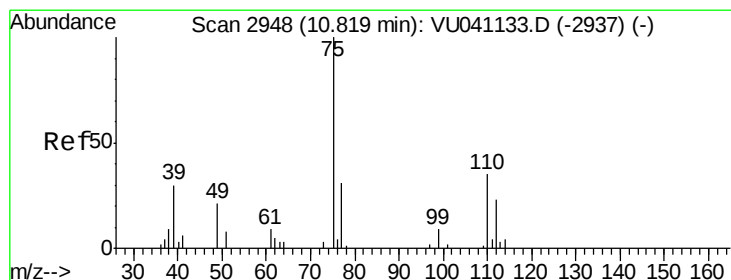
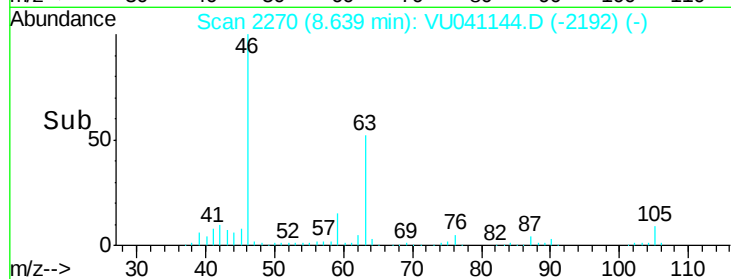
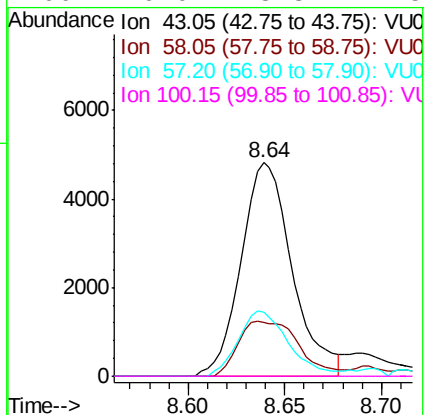
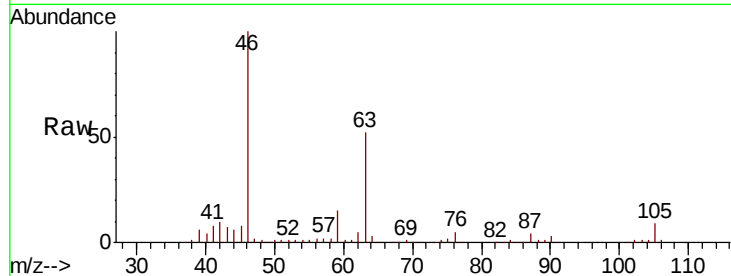




#48
2-Hexanone
Concen: 3.171 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041144.D
Acq: 09 Nov 2020 16:31

Instrument :
MSVOA_U
ClientSampleId :
GB0T5

Tot Ion: 43 Resp: 8875
Ion Ratio Lower Upper
43 100
58 30.6 41.4 62.2#
57 30.0 14.6 21.8#
100 0.0 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 0.920 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041144.D
Acq: 09 Nov 2020 16:31

Tgt Ion: 75 Resp: 3197
Ion Ratio Lower Upper
75 100
77 37.2 25.7 38.5

