

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041282.D
 Acq On : 17 Nov 2020 15:36
 Operator : SY/MD
 Sample : L4740-12DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB117DL

Quant Time: Nov 17 22:36:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 17 22:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	71754	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	70989	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29419	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24831	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.92	69	22967	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.58	63	38652	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.66	46	101557	46.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.34%
24) Chloroform-d	5.08	84	55008	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.72	65	34465	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.75	84	96830	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	33890	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.91	98	77833	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.19	79	12254	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.64	63	66317	43.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.48%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	26787	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	29990	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	19691	3.161 ug/L	91
8) Chloroethane	1.94	64	255	0.062 ug/L #	43
12) 1,1-Dichloroethene	2.59	96	402	0.086 ug/L #	1
13) Acetone	2.67	43	3848	2.665 ug/L	70
15) Methyl Acetate	2.98	43	265	0.088 ug/L #	53
16) Methylene chloride	3.06	84	1240	0.212 ug/L	83
22) cis-1,2-Dichloroethene	4.69	96	34852	6.784 ug/L	97
25) Chloroform	5.10	83	1808	0.164 ug/L	99
27) 1,2-Dichloroethane	5.74	62	596	0.075 ug/L #	74
33) Benzene	5.79	78	895	0.047 ug/L	100
34) Trichloroethene	6.55	95	9042	1.739 ug/L	95
35) Methylcyclohexane	6.70	83	8022	1.161 ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3800	0.676 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	790	0.101 ug/L #	66
42) Toluene	7.98	91	755	0.037 ug/L	90
44) trans-1,3-Dichloropropene	8.19	75	545	0.073 ug/L #	52
48) 2-Hexanone	8.64	43	10272	2.957 ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 17 22:32:58 2020
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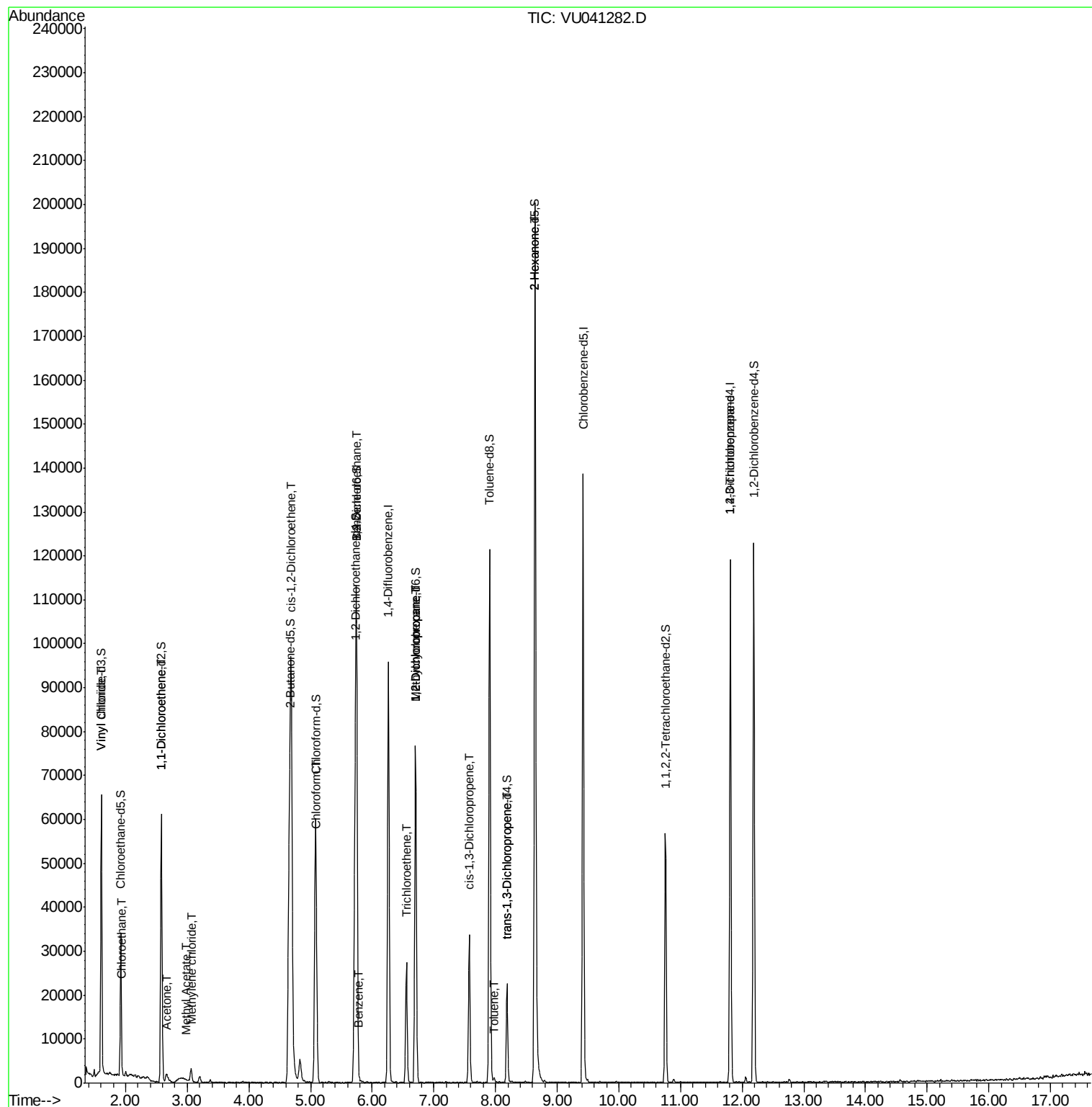
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3706	0.836	ug/L #	82

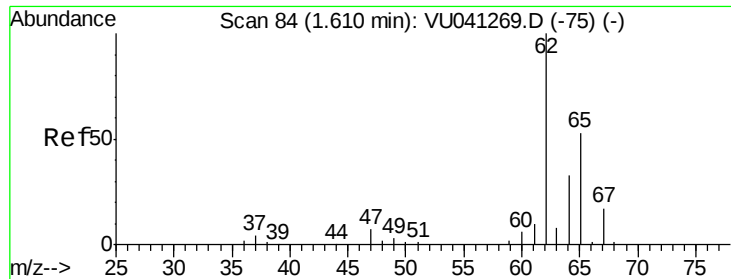
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111720\
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QLast Update : Tue Nov 17 22:32:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.161 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041282.D

Acq: 17 Nov 2020 15:36

Instrument :

MSVOA_U

ClientSampled :

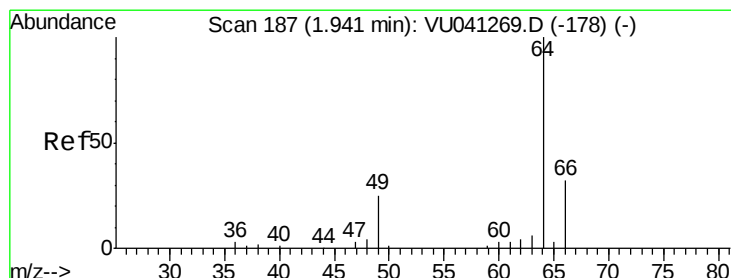
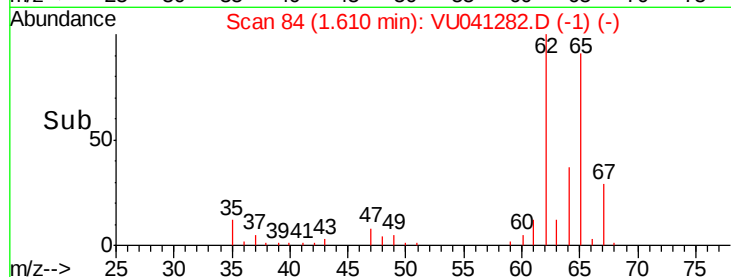
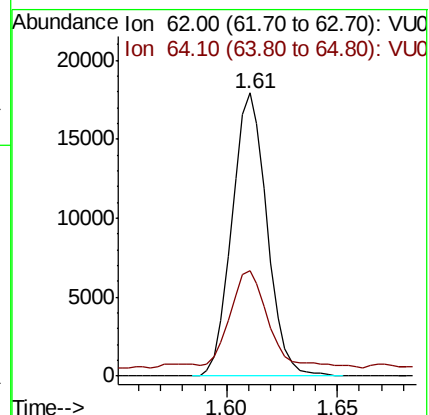
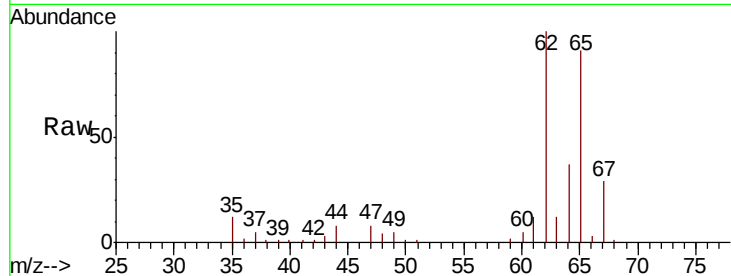
GB117DL

Tot Ion: 62 Resp: 19691

Ion Ratio Lower Upper

62 100

64 37.3 22.7 42.3



#8

Chloroethane

Concen: 0.062 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041282.D

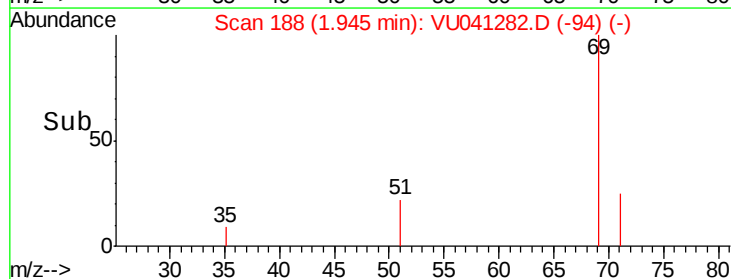
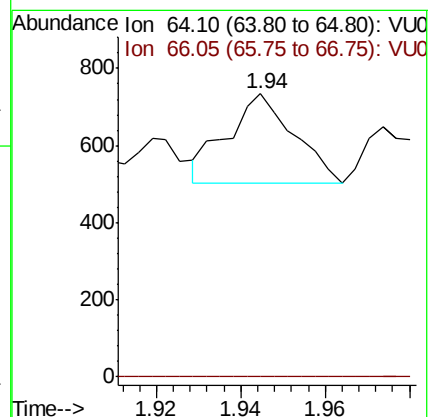
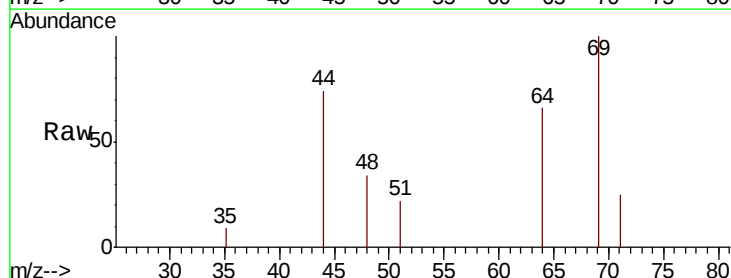
Acq: 17 Nov 2020 15:36

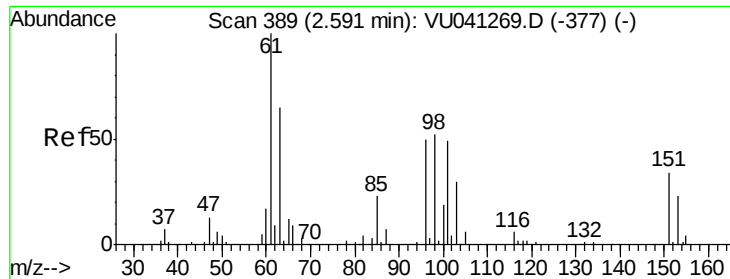
Tgt Ion: 64 Resp: 255

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#12

1,1-Dichloroethene

Concen: 0.086 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041282.D

Acq: 17 Nov 2020 15:36

Instrument :

MSVOA_U

ClientSampleId :

GB117DL

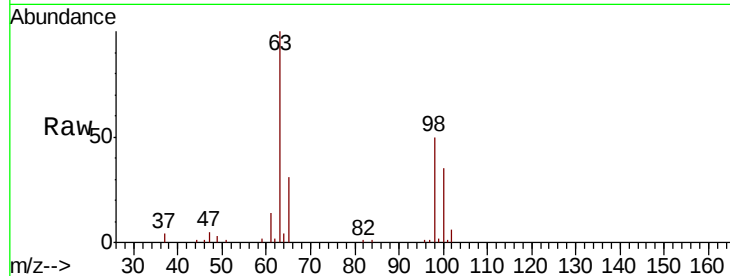
Tot Ion: 96 Resp: 402

Ion Ratio Lower Upper

96 100

61 1016.1 134.3 249.5#

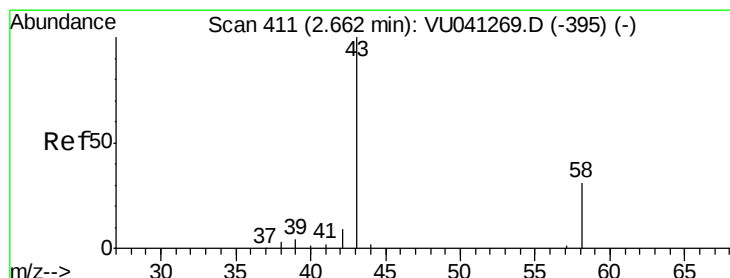
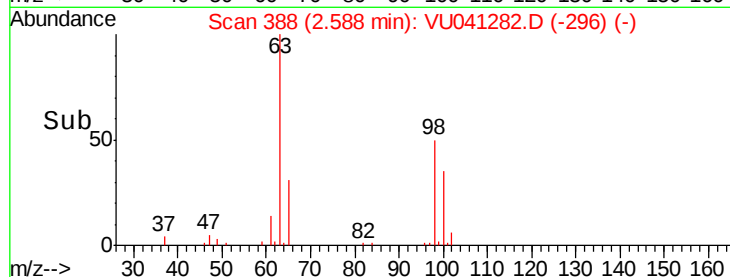
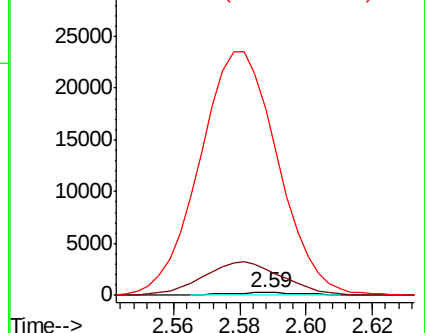
63 7251.6 95.0 176.4#



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: 2.665 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041282.D

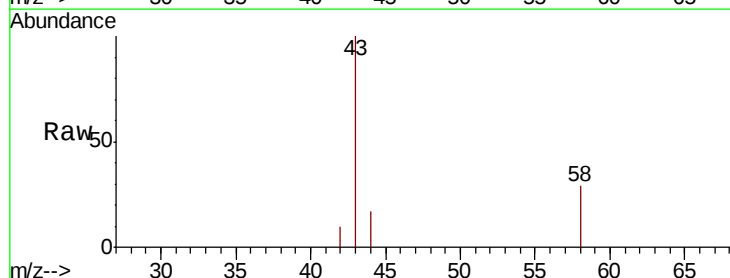
Acq: 17 Nov 2020 15:36

Tgt Ion: 43 Resp: 3848

Ion Ratio Lower Upper

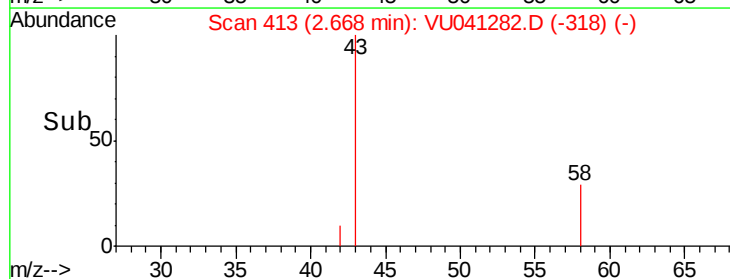
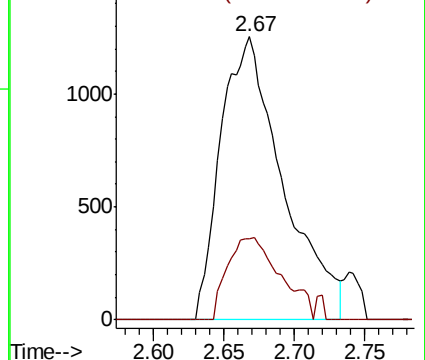
43 100

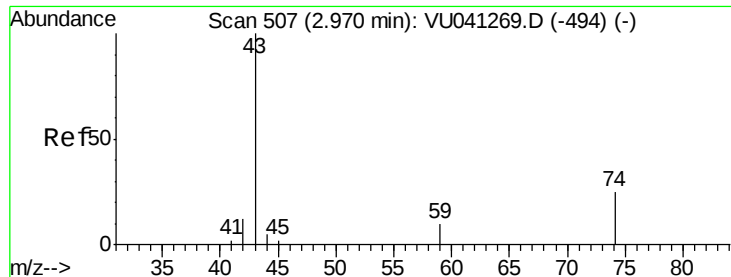
58 24.7 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#15

Methyl Acetate

Concen: 0.088 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.01 min

Lab File: VU041282.D

Acq: 17 Nov 2020 15:36

Instrument :

MSVOA_U

ClientSampled :

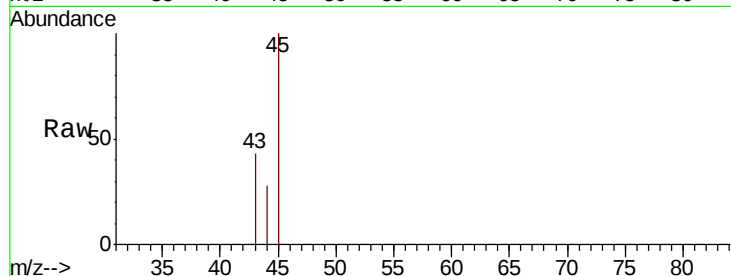
GB117DL

Tot Ion: 43 Resp: 265

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

2.98

250

200

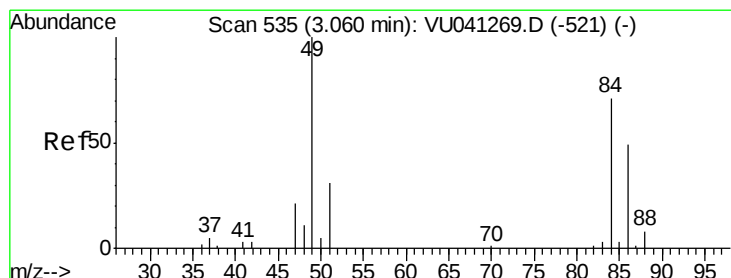
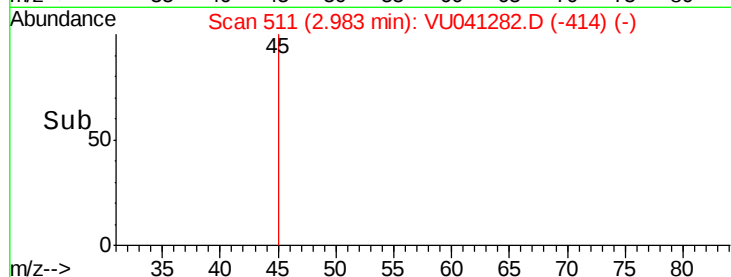
150

100

50

0

Time-->



#16

Methylene chloride

Concen: 0.212 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041282.D

Acq: 17 Nov 2020 15:36

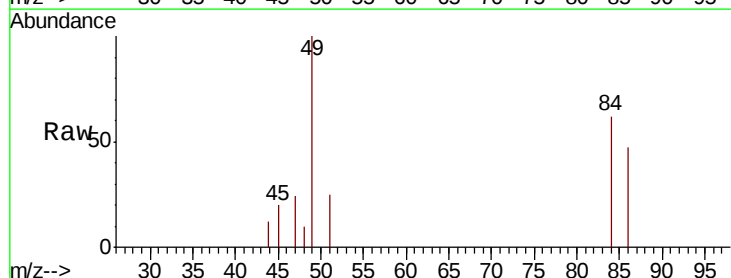
Tgt Ion: 84 Resp: 1240

Ion Ratio Lower Upper

84 100

86 76.1 42.8 79.6

49 162.4 99.5 184.7



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

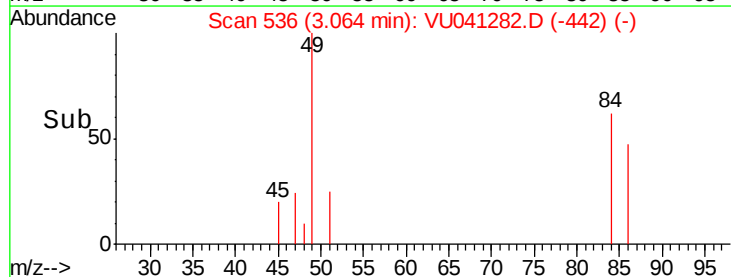
1500

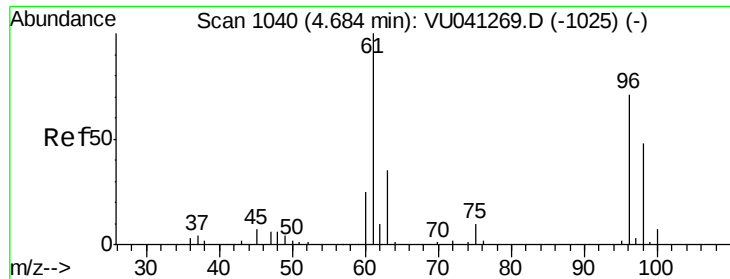
1000

500

0

Time-->

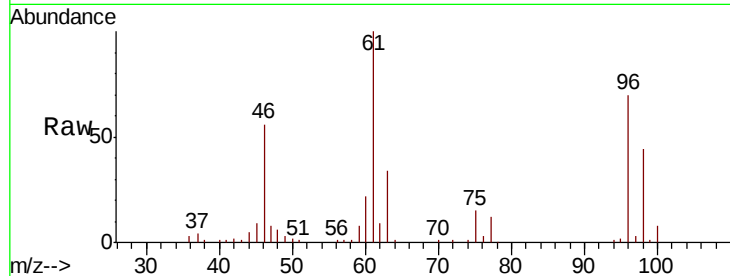




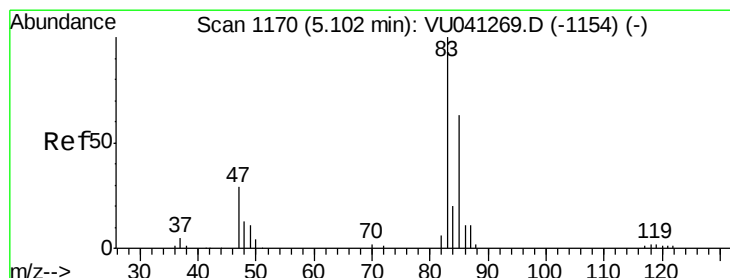
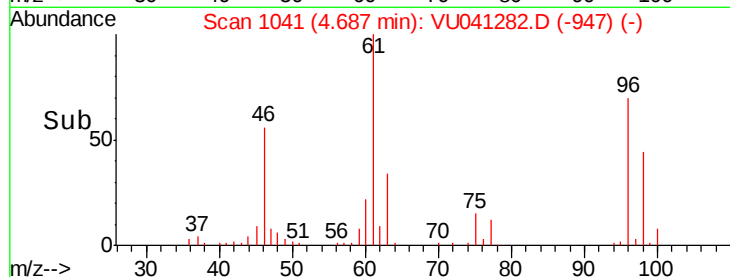
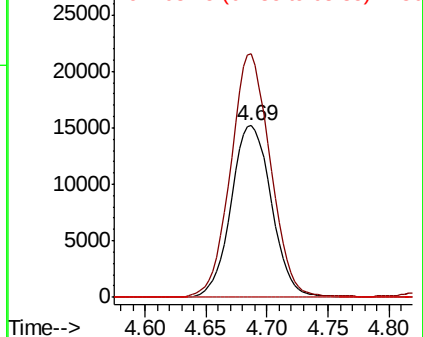
#22
 cis-1,2-Dichloroethene
 Concen: 6.784 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041282.D
 Acq: 17 Nov 2020 15:36

Instrument :
 MSVOA_U
 ClientSampleID :
 GB117DL

Tot Ion: 96 Resp: 34852
 Ion Ratio Lower Upper
 96 100
 61 142.1 97.2 180.4
 68 0.0 0.0 0.0

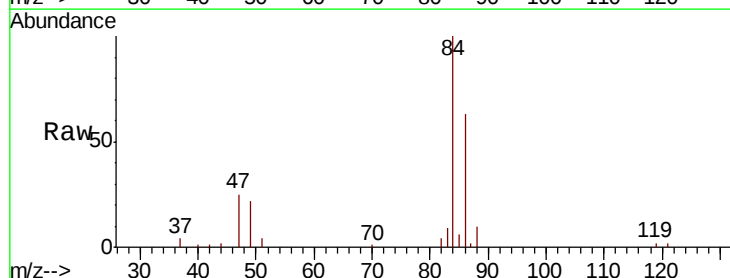


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

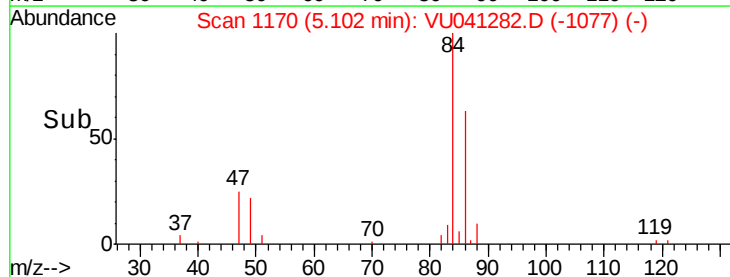
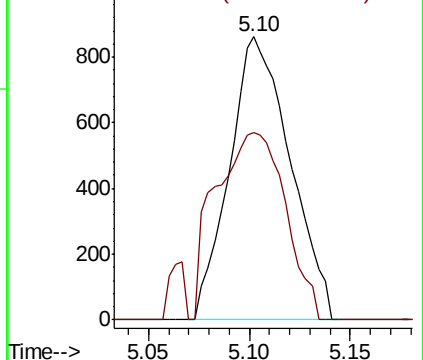


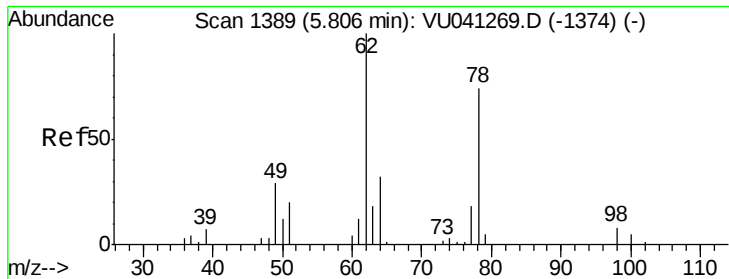
#25
 Chloroform
 Concen: 0.164 ug/L
 RT: 5.10 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VU041282.D
 Acq: 17 Nov 2020 15:36

Tgt Ion: 83 Resp: 1808
 Ion Ratio Lower Upper
 83 100
 85 66.4 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

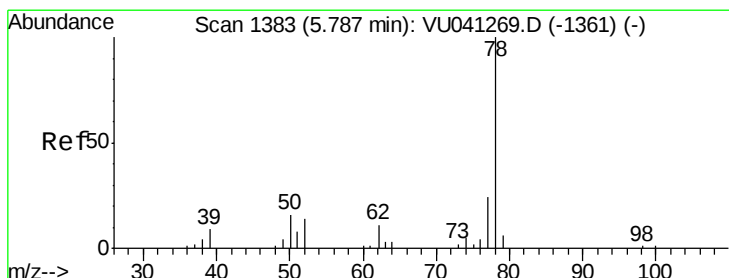
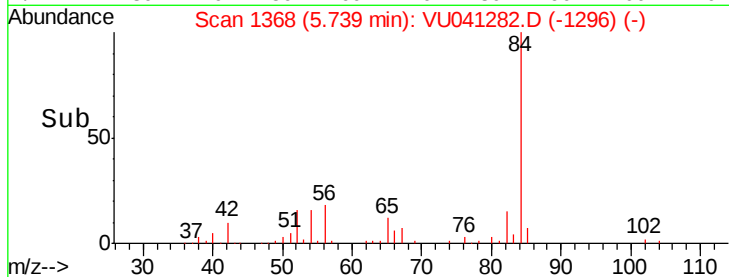
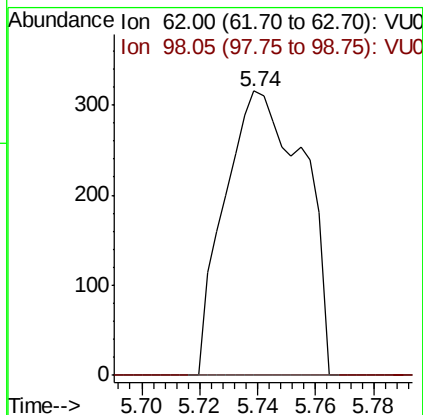
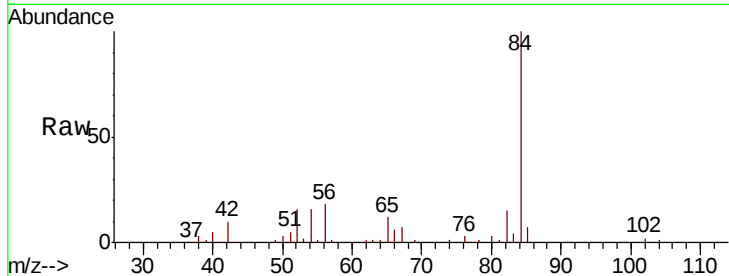




#27
 1,2-Dichloroethane
 Concen: 0.075 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041282.D
 Acq: 17 Nov 2020 15:36

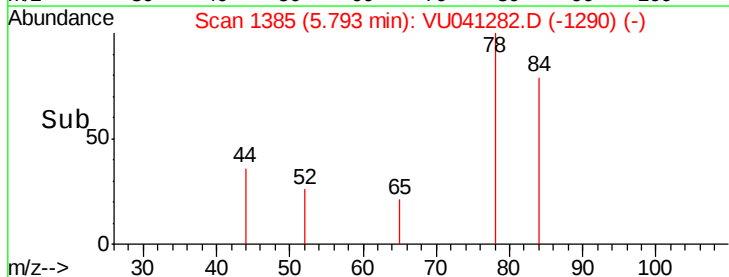
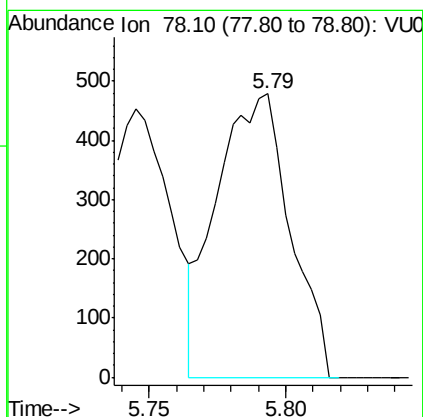
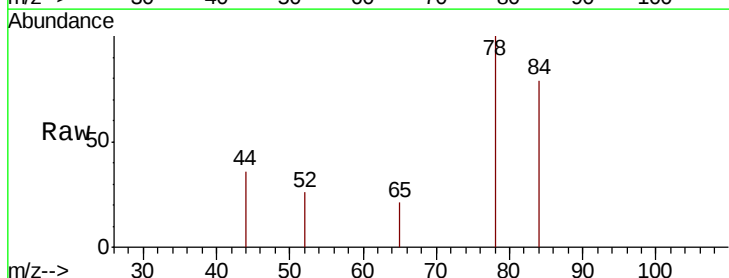
Instrument :
 MSVOA_U
 ClientSampleId :
 GB117DL

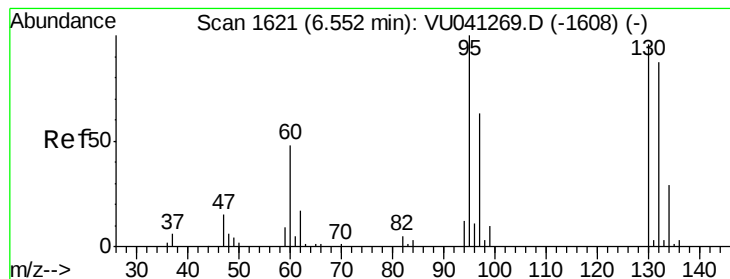
Tot Ion: 62 Resp: 596
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.047 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. 0.01 min
 Lab File: VU041282.D
 Acq: 17 Nov 2020 15:36

Tgt Ion: 78 Resp: 895





#34

Trichloroethene

Concen: 1.739 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041282.D

Acq: 17 Nov 2020 15:36

Instrument :

MSVOA_U

ClientSampleId :

GB117DL

Tot Ion: 95 Resp: 9042

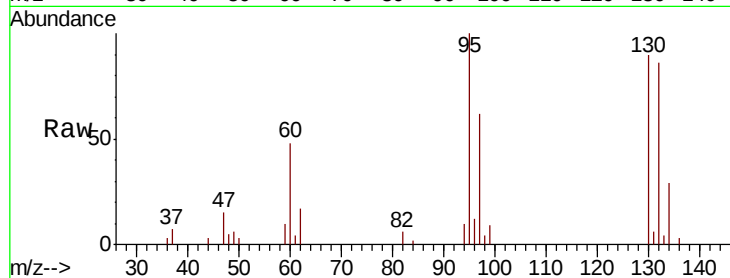
Ion Ratio Lower Upper

95 100

97 62.3 45.6 84.6

132 86.2 64.8 120.4

130 89.5 64.8 120.4

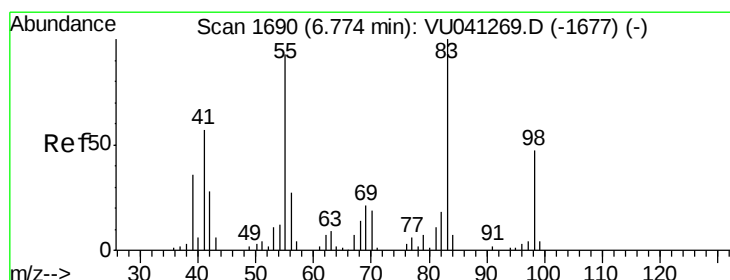
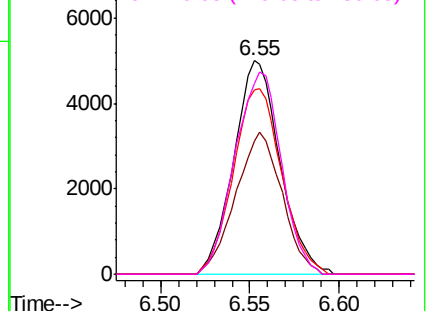
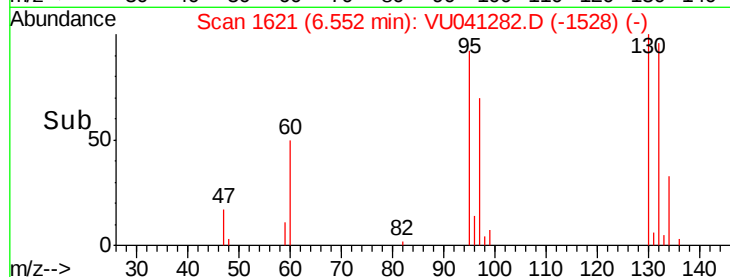


Abundance Ion 95.00 (94.70 to 95.70): VU041282.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041282.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041282.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041282.D (-1528) (-)



#35

Methylcyclohexane

Concen: 1.161 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041282.D

Acq: 17 Nov 2020 15:36

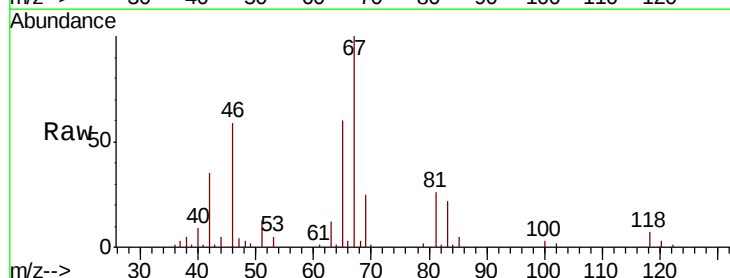
Tgt Ion: 83 Resp: 8022

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

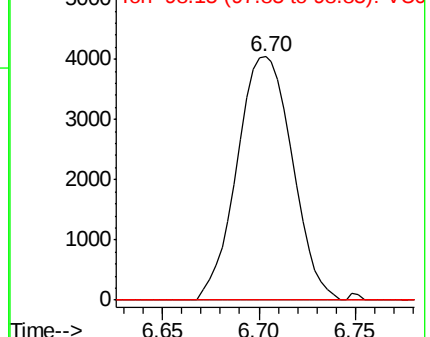
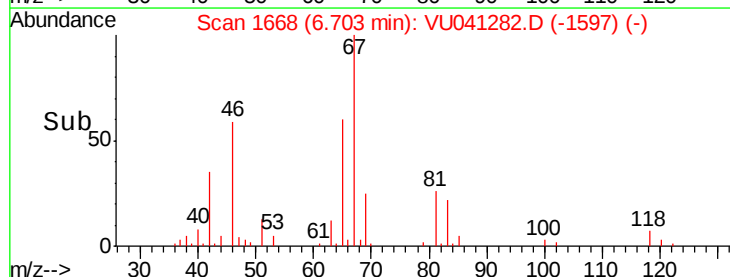
98 3.9 36.6 55.0#

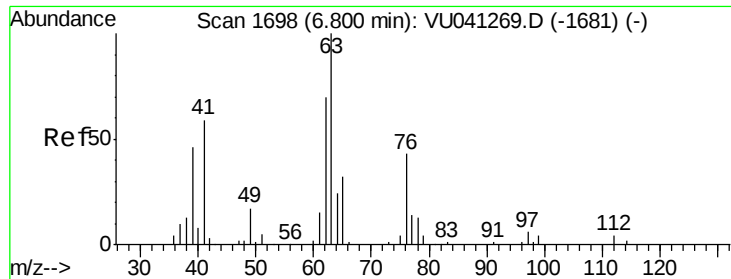


Abundance Ion 83.15 (82.85 to 83.85): VU041282.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU041282.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU041282.D (-1597) (-)

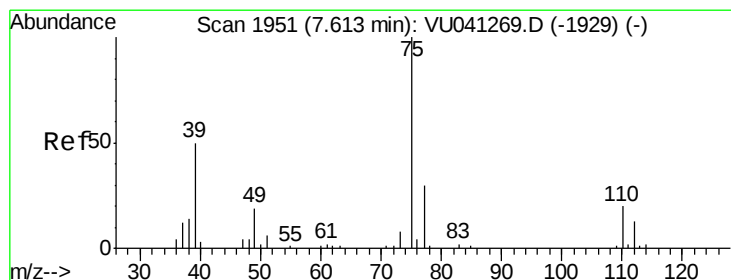
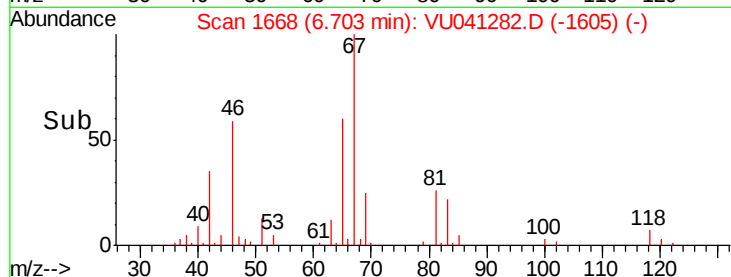
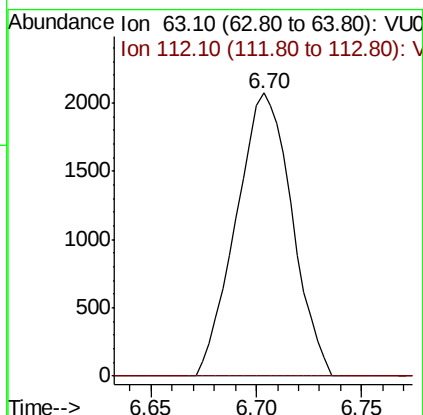
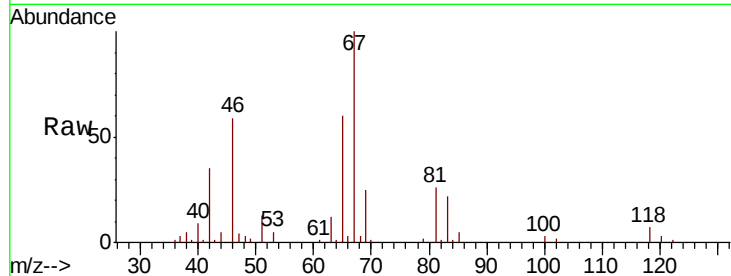




#37
 1,2-Dichloropropane
 Concen: 0.676 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041282.D
 Acq: 17 Nov 2020 15:36

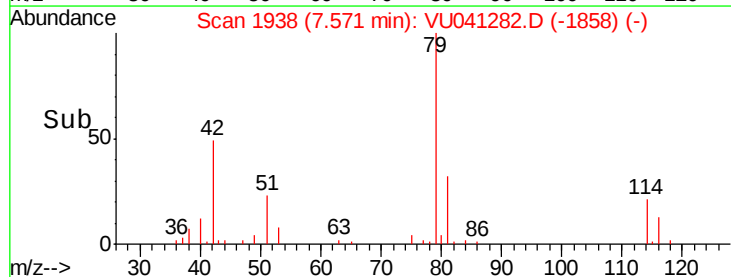
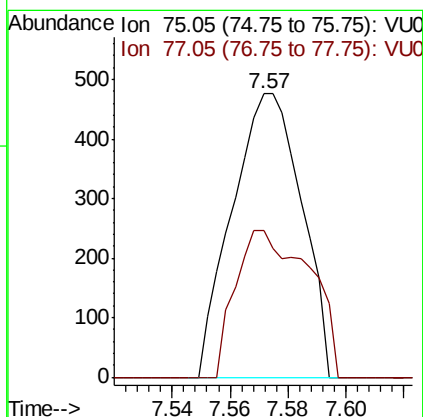
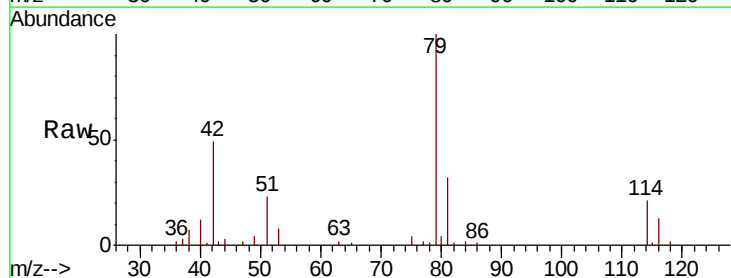
Instrument :
 MSVOA_U
 ClientSampleId :
 GB117DL

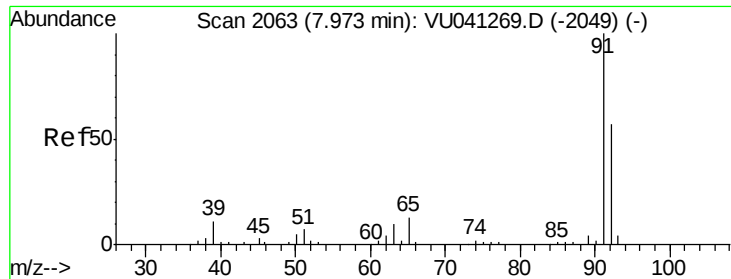
Tot Ion: 63 Resp: 3800
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041282.D
 Acq: 17 Nov 2020 15:36

Tgt Ion: 75 Resp: 790
 Ion Ratio Lower Upper
 75 100
 77 51.7 22.7 42.3#





#42

Toluene

Concen: 0.037 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041282.D

Acq: 17 Nov 2020 15:36

Instrument :

MSVOA_U

ClientSampleId :

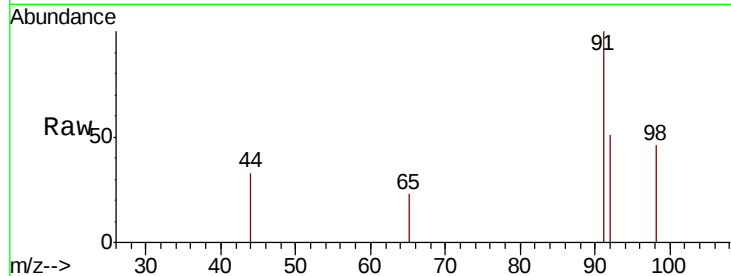
GB117DL

Tot Ion: 91 Resp: 755

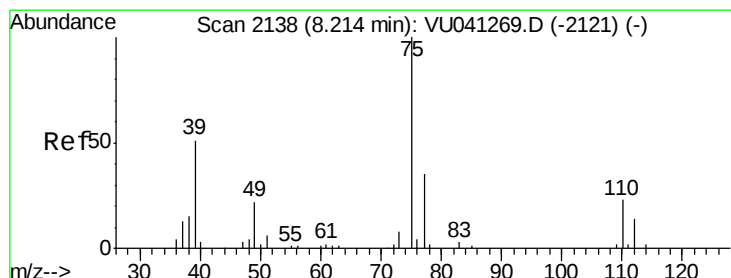
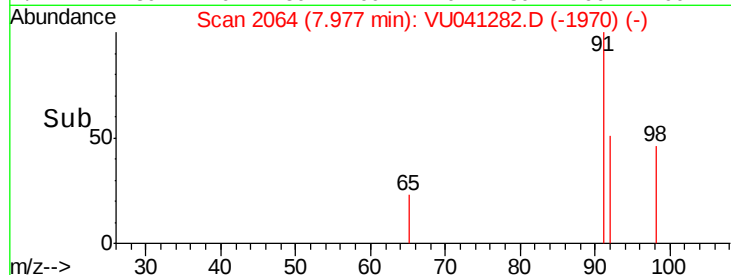
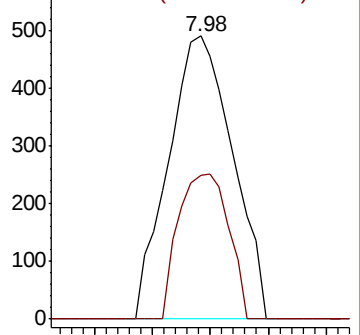
Ion Ratio Lower Upper

91 100

92 50.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041282.D

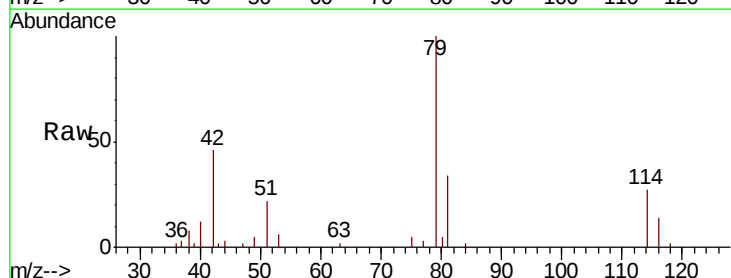
Acq: 17 Nov 2020 15:36

Tgt Ion: 75 Resp: 545

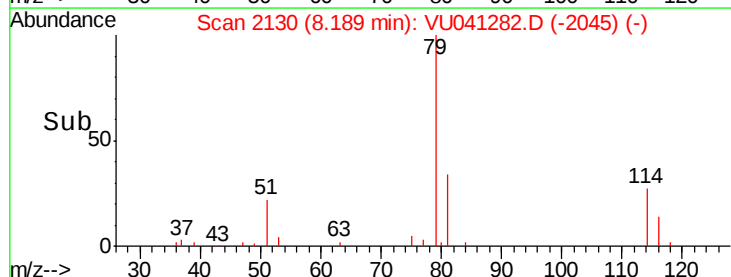
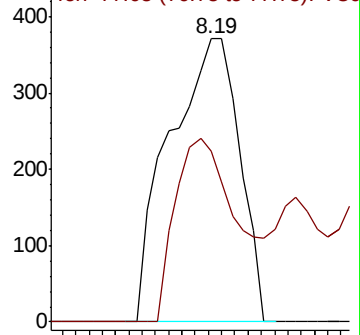
Ion Ratio Lower Upper

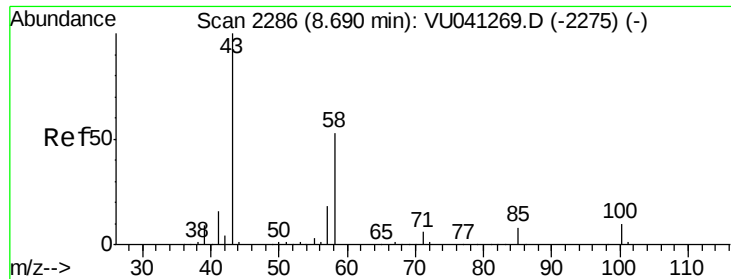
75 100

77 60.4 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

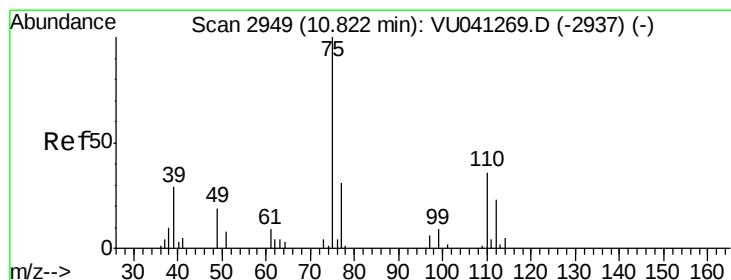
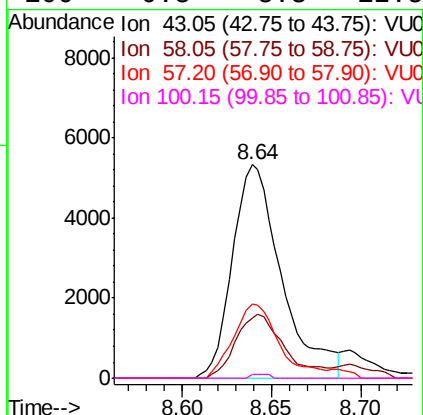
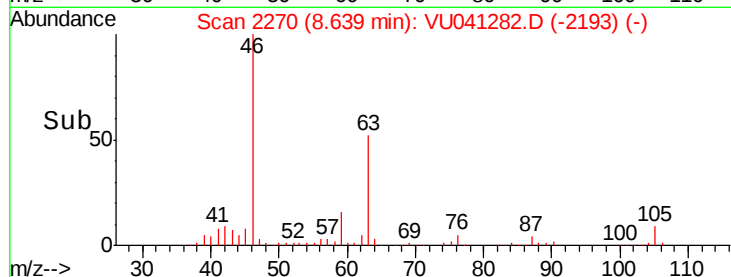
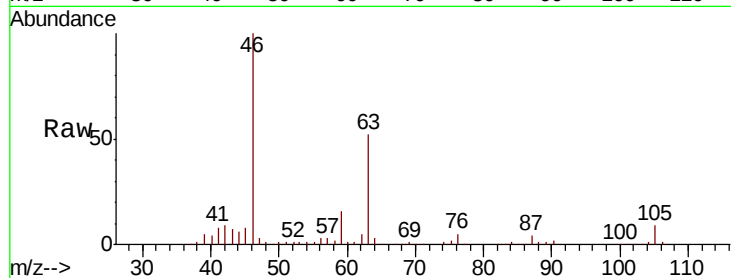




#48
2-Hexanone
Concen: 2.957 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041282.D
Acq: 17 Nov 2020 15:36

Instrument :
MSVOA_U
ClientSampleId :
GB117DL

Tot Ion: 43 Resp: 10272
Ion Ratio Lower Upper
43 100
58 30.1 41.4 62.2#
57 34.1 14.6 21.8#
100 0.8 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 0.836 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041282.D
Acq: 17 Nov 2020 15:36

Tgt Ion: 75 Resp: 3706
Ion Ratio Lower Upper
75 100
77 42.2 25.7 38.5#

