

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111720\
 Data File : VU041281.D
 Acq On : 17 Nov 2020 15:13
 Operator : SY/MD
 Sample : L4740-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB114

Quant Time: Nov 17 22:36:02 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	66238	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69396	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29391	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25609	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.92	69	22175	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	38242	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	4.65	46	100759	50.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.32%
24) Chloroform-d	5.08	84	56378	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.72	65	34021	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.74	84	96914	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.70	67	33827	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.91	98	78517	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	12978	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.64	63	70028	47.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27496	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	29942	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	456	0.077	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	225	0.046	ug/L #	22
13) Acetone	2.66	43	11864	8.902	ug/L	96
14) Carbon disulfide	2.81	76	557	0.044	ug/L #	74
16) Methylene chloride	3.06	84	2340	0.433	ug/L	84
21) 2-Butanone	4.74	43	3298	1.630	ug/L	97
25) Chloroform	5.10	83	619	0.061	ug/L	80
27) 1,2-Dichloroethane	5.75	62	660	0.090	ug/L #	74
33) Benzene	5.79	78	1581	0.084	ug/L	100
35) Methylcyclohexane	6.70	83	7970	1.180	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3918	0.713	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	955	0.125	ug/L #	68
42) Toluene	7.98	91	2080	0.103	ug/L	94
44) trans-1,3-Dichloropropene	8.19	75	651	0.090	ug/L	86
48) 2-Hexanone	8.69	43	1716	0.505	ug/L #	68
59) 1,2,3-Trichloropropane	11.81	75	3753	0.866	ug/L #	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 17 22:32:58 2020
Response via : Initial Calibration

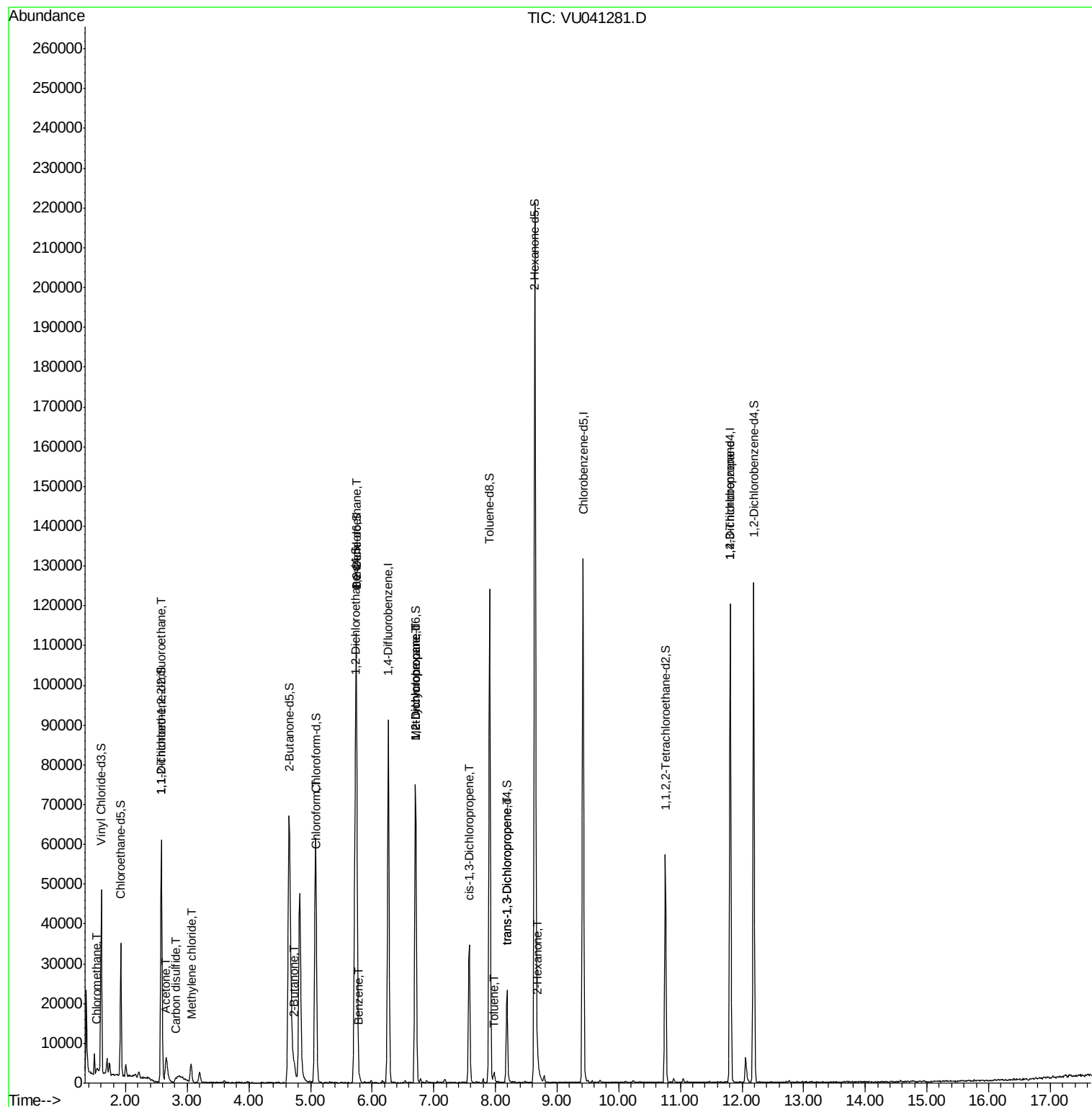
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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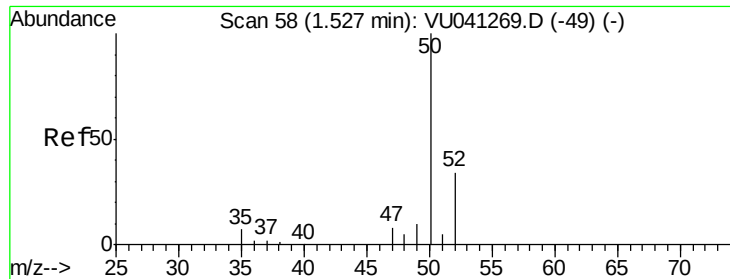
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111720\
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.077 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041281.D

Acq: 17 Nov 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

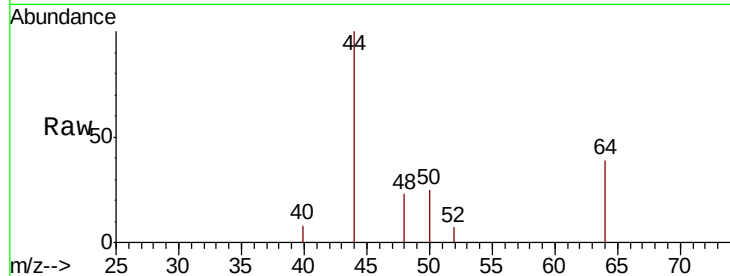
GB114

Tot Ion: 50 Resp: 456

Ion Ratio Lower Upper

50 100

52 29.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041281.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041281.D (-1) (-)

1.53

400

300

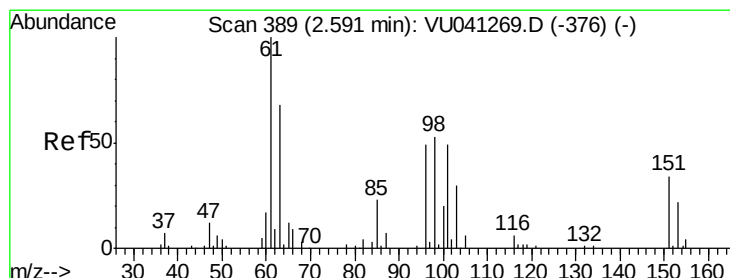
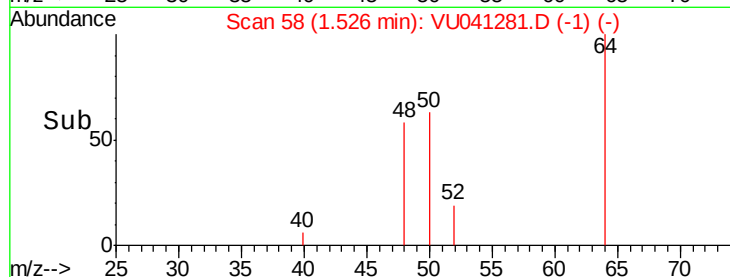
200

100

0

1.50 1.52 1.54 1.56

Time-->



#10

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

Concen: 0.046 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041281.D

Acq: 17 Nov 2020 15:13

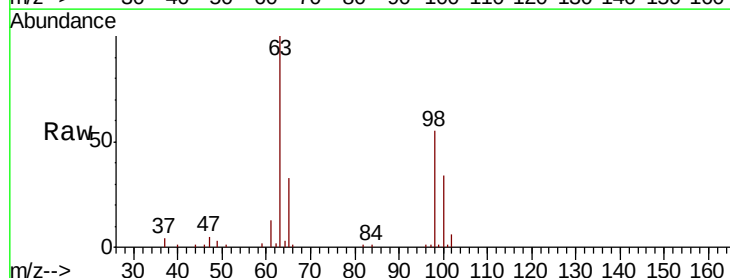
Tgt Ion:101 Resp: 225

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): VU041281.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VU041281.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VU041281.D (-296) (-)

2.58

200

150

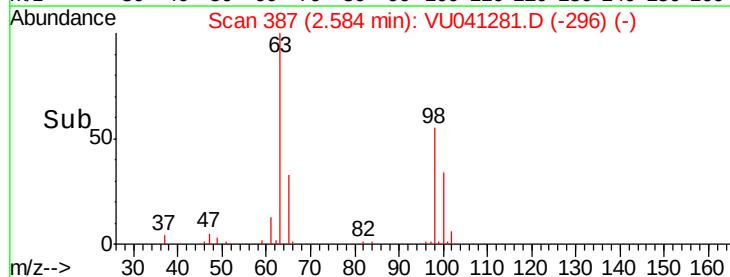
100

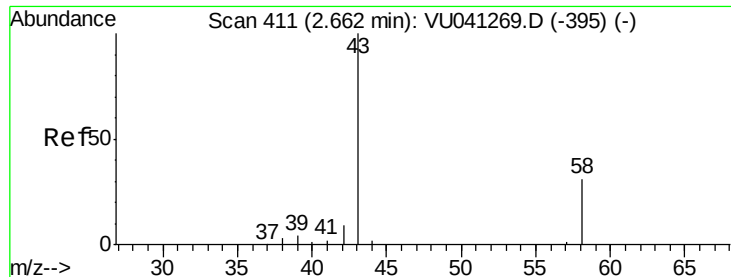
50

0

2.56 2.58 2.60

Time-->





#13

Acetone

Concen: 8.902 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041281.D

Acq: 17 Nov 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

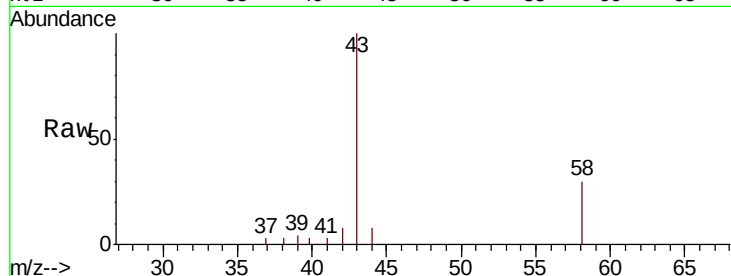
GB114

Tot Ion: 43 Resp: 11864

Ion Ratio Lower Upper

43 100

58 14.4 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041269.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041269.D (-395) (-)

2.66

4000

3000

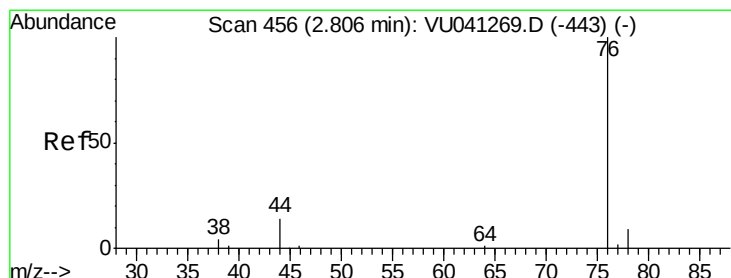
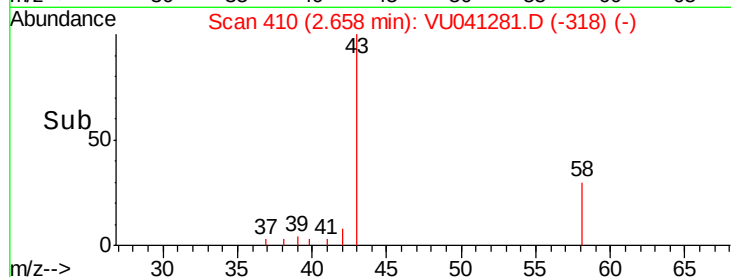
2000

1000

0

2.55 2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 0.044 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041281.D

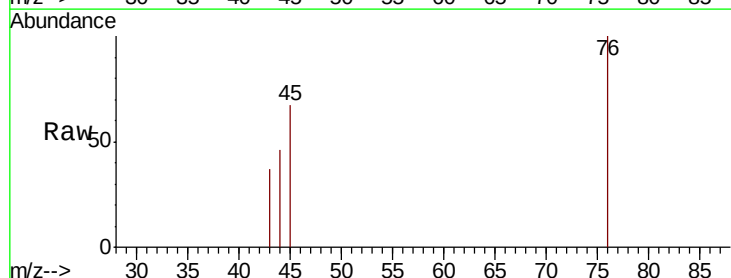
Acq: 17 Nov 2020 15:13

Tgt Ion: 76 Resp: 557

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU041269.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041269.D (-443) (-)

2.81

500

400

300

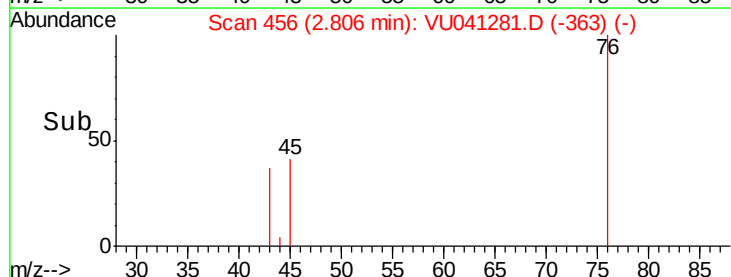
200

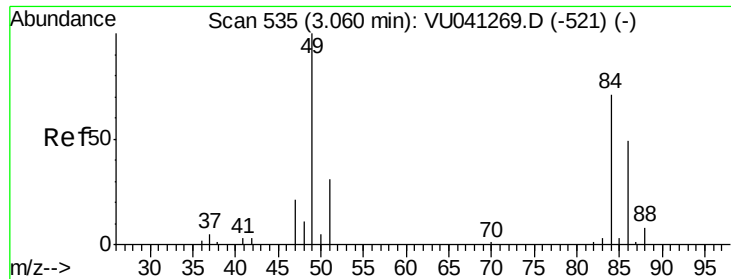
100

0

2.78 2.80 2.82 2.84

Time-->

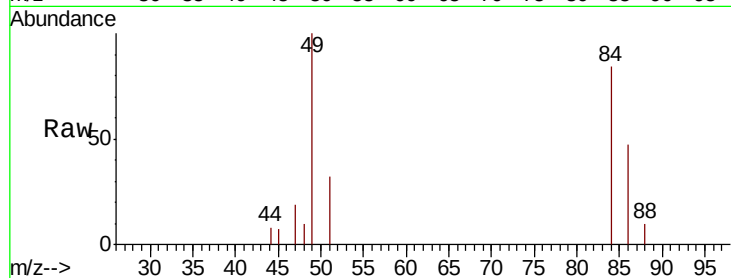




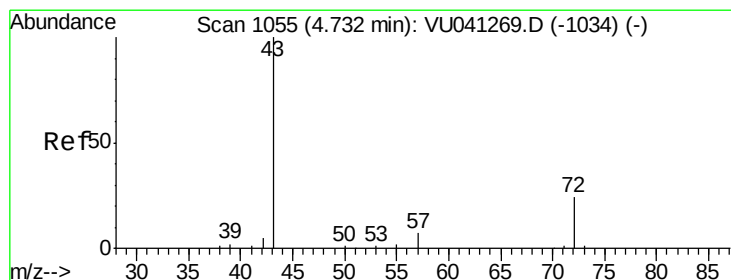
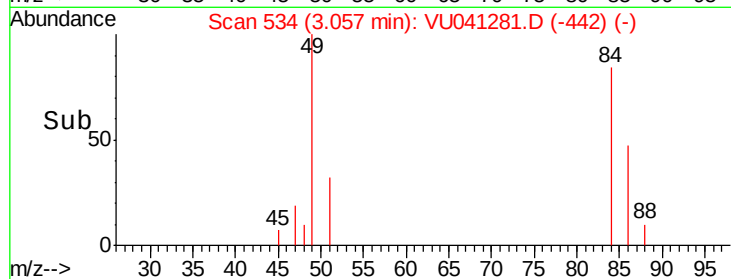
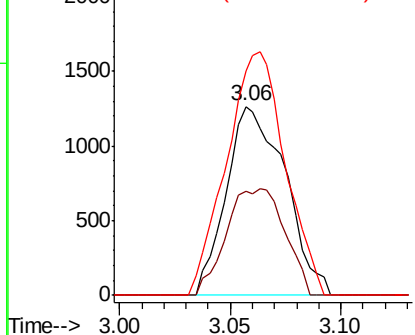
#16
Methvlene chloride
Concen: 0.433 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041281.D
Acq: 17 Nov 2020 15:13

Instrument :
MSVOA_U
ClientSampleId :
GB114

Tot Ion: 84 Resp: 2340
Ion Ratio Lower Upper
84 100
86 55.4 42.8 79.6
49 118.8 99.5 184.7

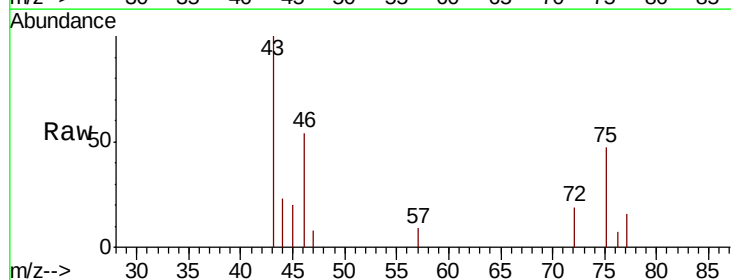


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

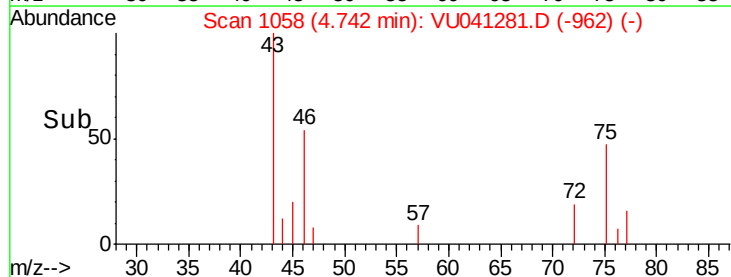
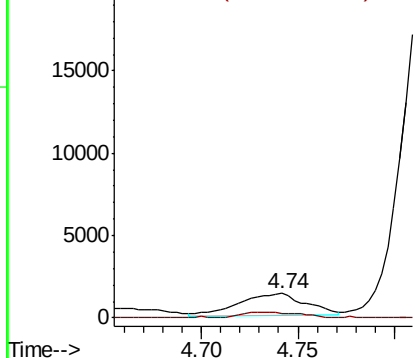


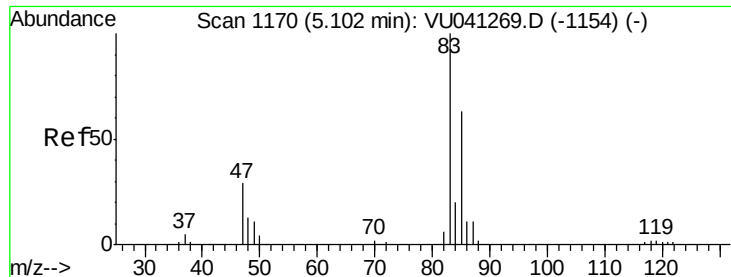
#21
2-Butanone
Concen: 1.630 ug/L
RT: 4.74 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VU041281.D
Acq: 17 Nov 2020 15:13

Tgt Ion: 43 Resp: 3298
Ion Ratio Lower Upper
43 100
72 22.2 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0

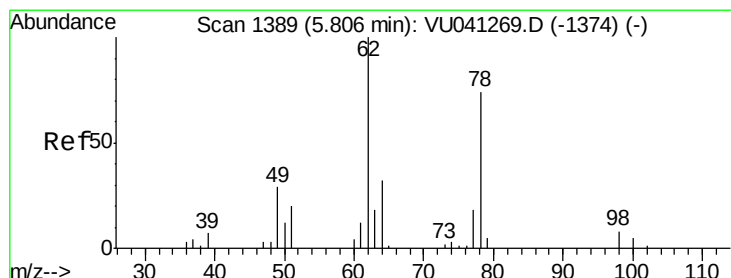
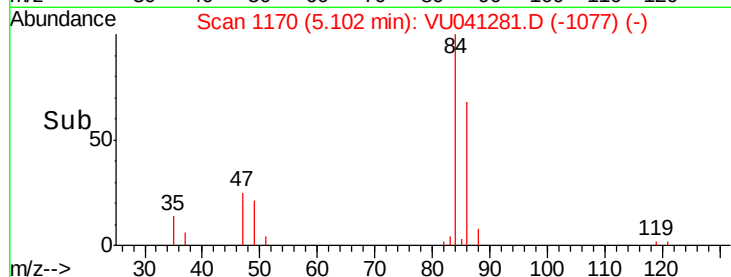
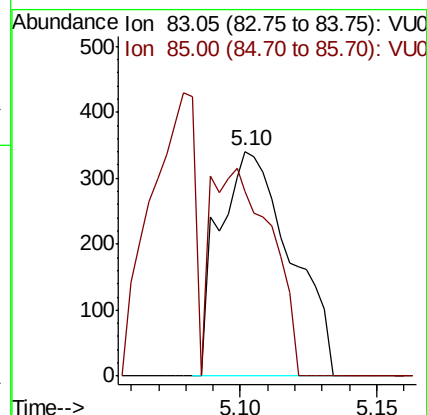
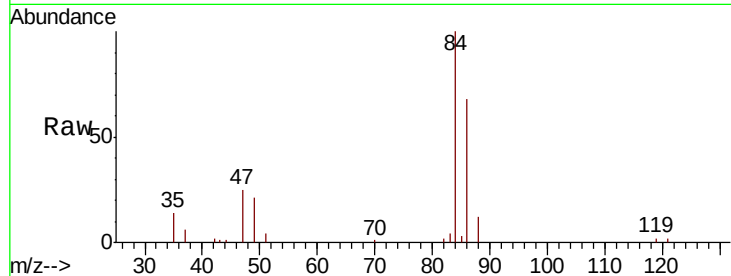




#25
Chloroform
Concen: 0.061 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041281.D
Acq: 17 Nov 2020 15:13

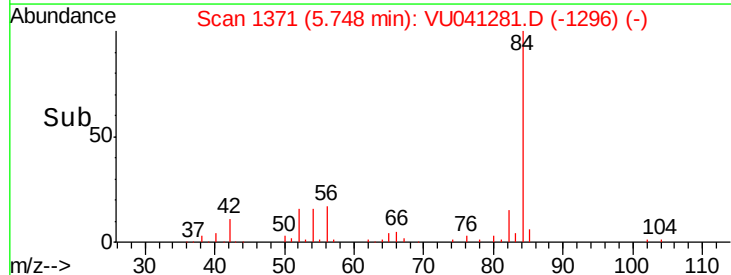
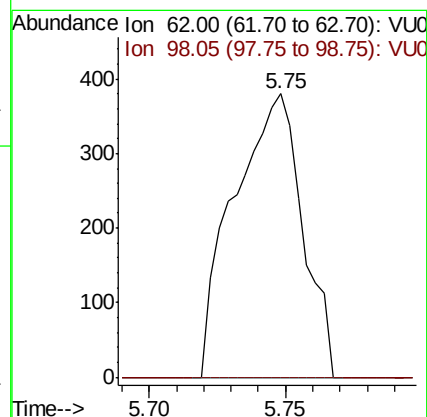
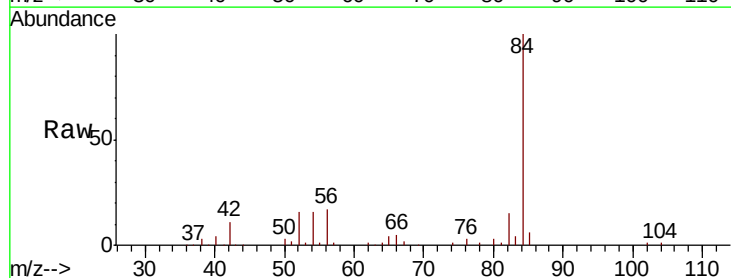
Instrument :
MSVOA_U
ClientSampled :
GB114

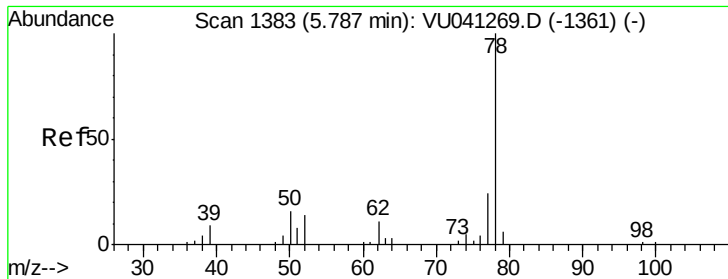
Tot Ion: 83 Resp: 619
Ion Ratio Lower Upper
83 100
85 82.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.090 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU041281.D
Acq: 17 Nov 2020 15:13

Tgt Ion: 62 Resp: 660
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.084 ug/L

RT: 5.79 min Scan# 1385

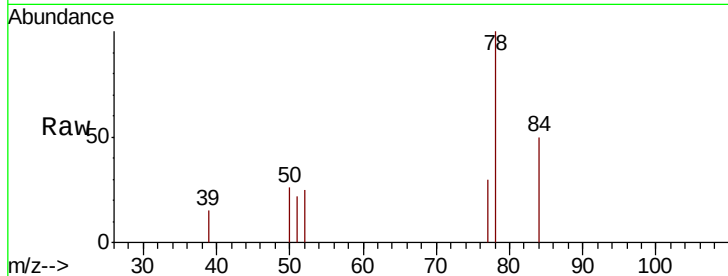
Delta R.T. 0.01 min

Lab File: VU041281.D

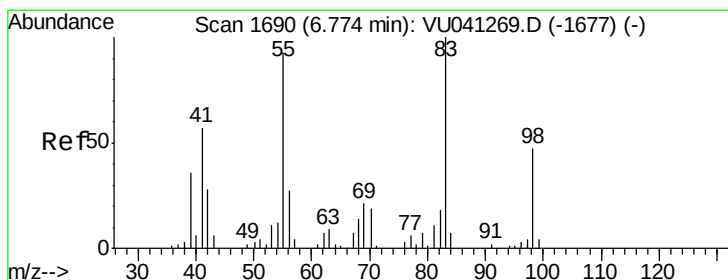
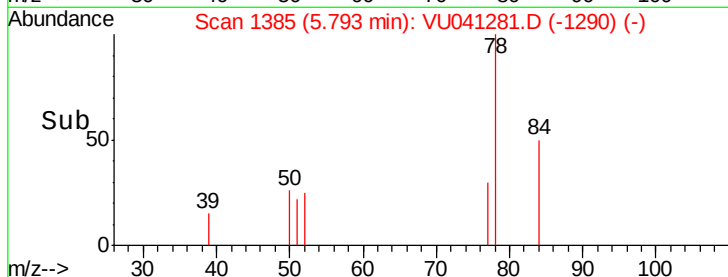
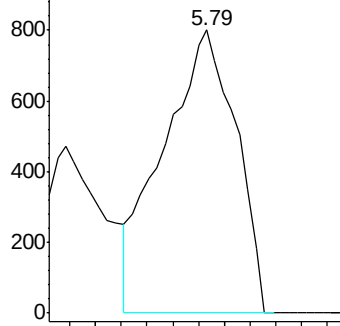
Acq: 17 Nov 2020 15:13

Instrument :
MSVOA_U
ClientSampled :
GB114

Tgt Ion: 78 Resp: 1581



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 1.180 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041281.D

Acq: 17 Nov 2020 15:13

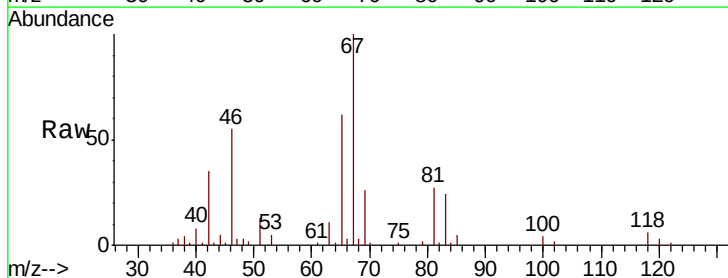
Tgt Ion: 83 Resp: 7970

Ion Ratio Lower Upper

83 100

55 1.6 72.0 108.0#

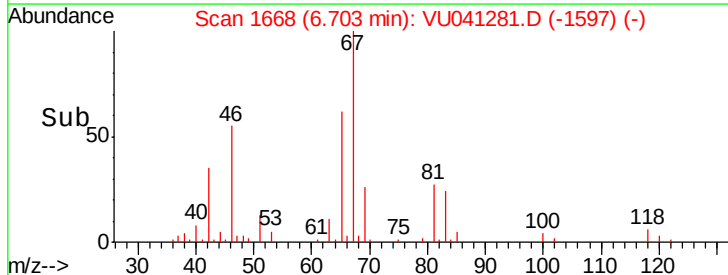
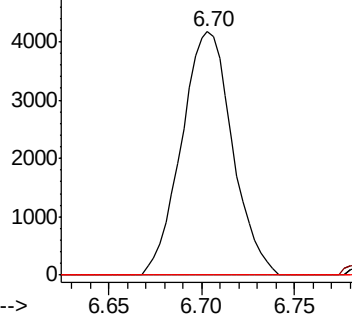
98 0.5 36.6 55.0#

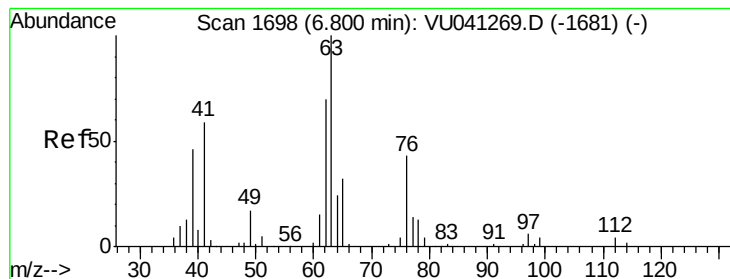


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.713 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041281.D

Acq: 17 Nov 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

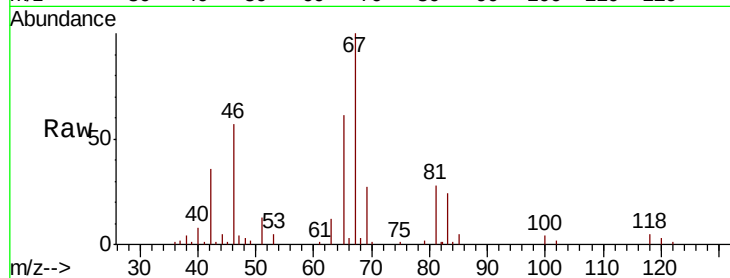
GB114

Tot Ion: 63 Resp: 3918

Ion Ratio Lower Upper

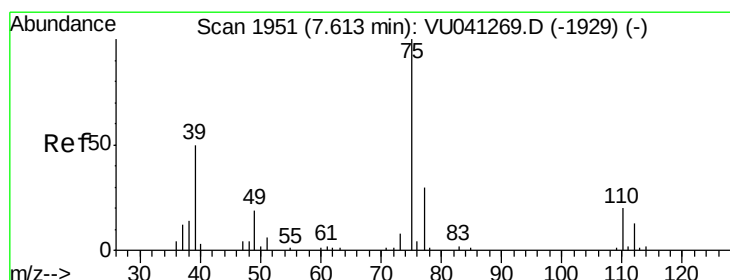
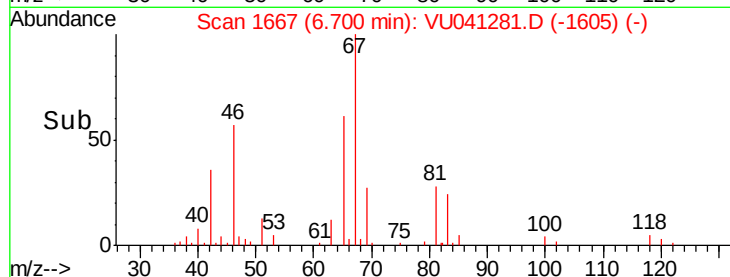
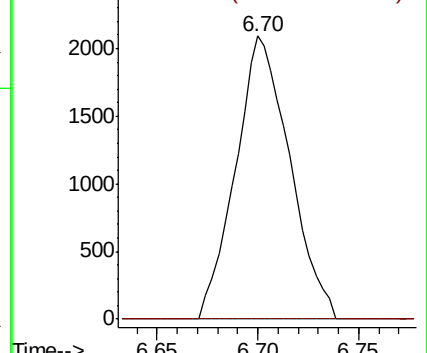
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041269.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041269.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.125 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041281.D

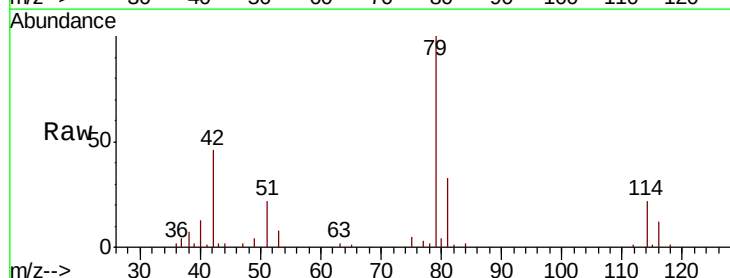
Acq: 17 Nov 2020 15:13

Tgt Ion: 75 Resp: 955

Ion Ratio Lower Upper

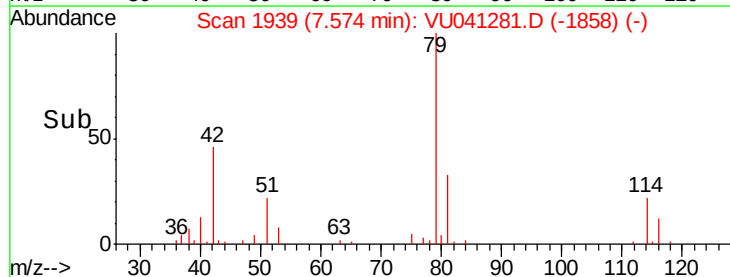
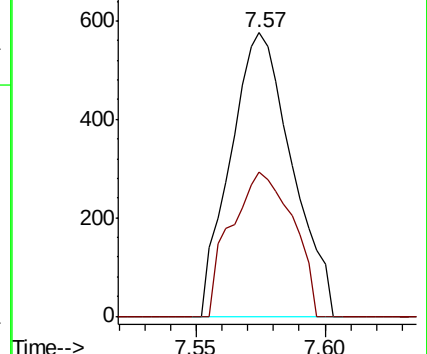
75 100

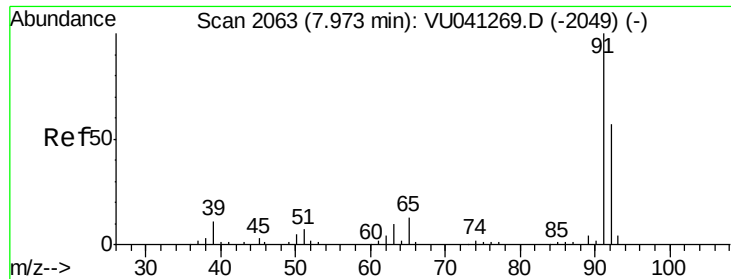
77 50.7 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041269.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041269.D (-1929) (-)





#42

Toluene

Concen: 0.103 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041281.D

Acq: 17 Nov 2020 15:13

Instrument :

MSVOA_U

ClientSampled :

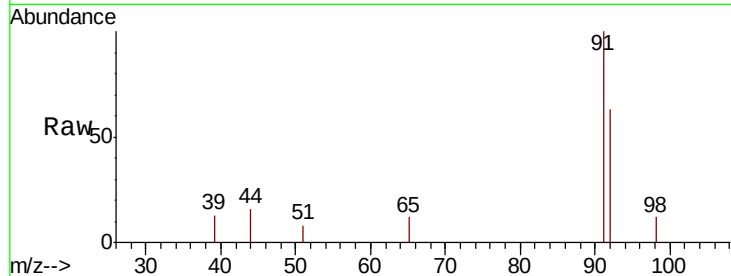
GB114

Tot Ion: 91 Resp: 2080

Ion Ratio Lower Upper

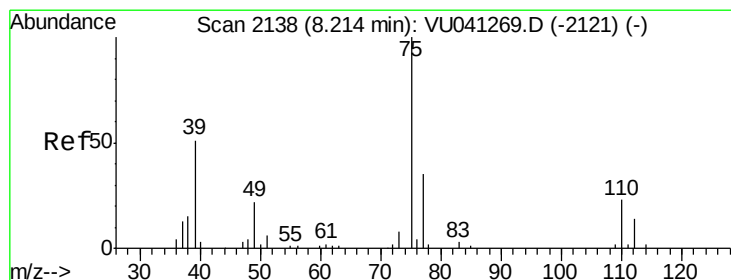
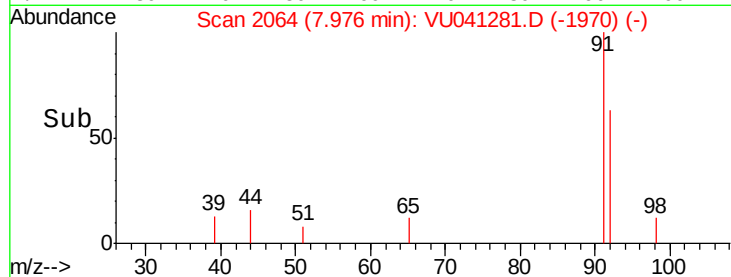
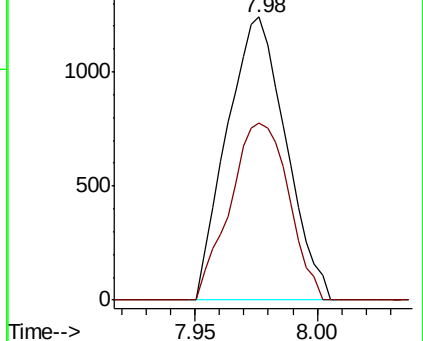
91 100

92 62.6 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041281.D

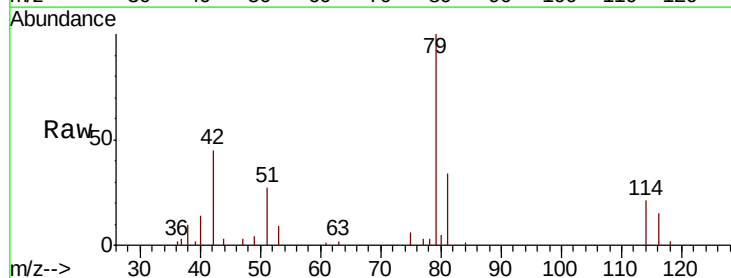
Acq: 17 Nov 2020 15:13

Tgt Ion: 75 Resp: 651

Ion Ratio Lower Upper

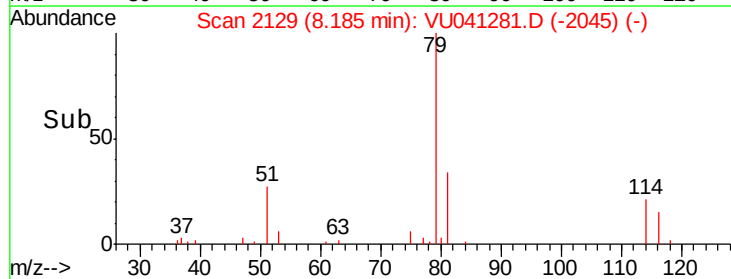
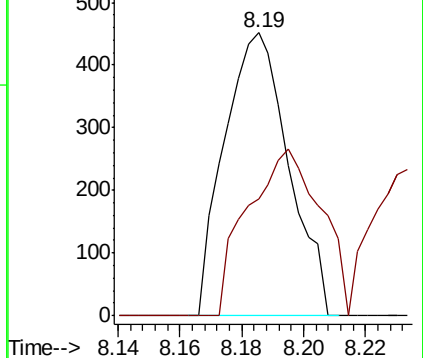
75 100

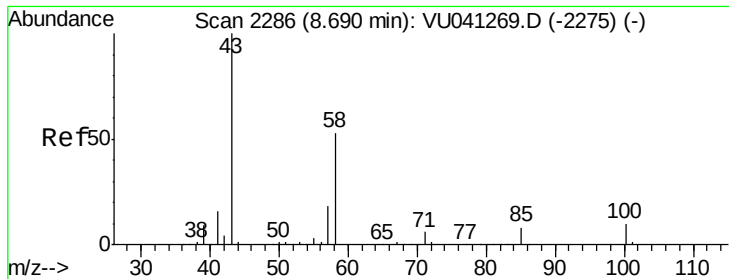
77 41.4 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

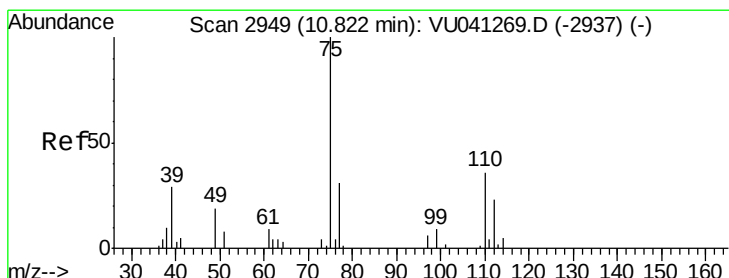
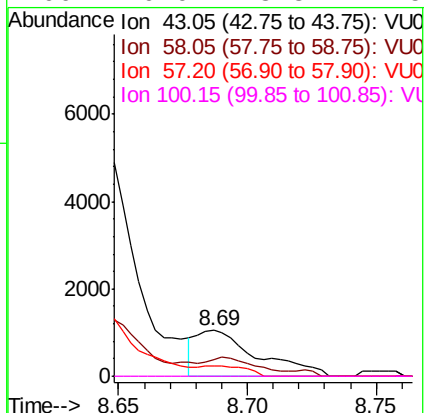
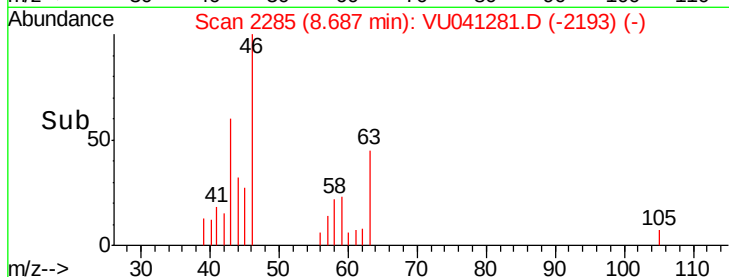
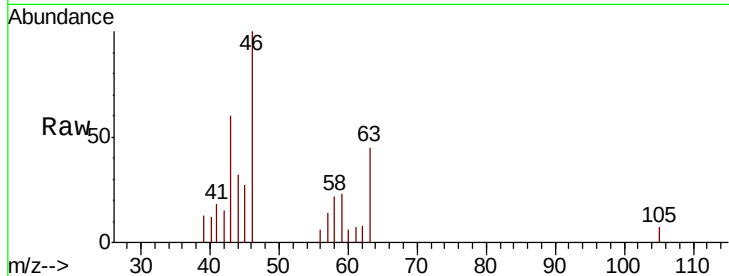




#48
2-Hexanone
Concen: 0.505 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041281.D
Acq: 17 Nov 2020 15:13

Instrument :
MSVOA_U
ClientSampleId :
GB114

Tot Ion: 43 Resp: 1716
Ion Ratio Lower Upper
43 100
58 22.0 41.4 62.2#
57 15.9 14.6 21.8
100 0.0 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 0.866 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041281.D
Acq: 17 Nov 2020 15:13

Tgt Ion: 75 Resp: 3753
Ion Ratio Lower Upper
75 100
77 39.4 25.7 38.5#

