

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041284.D
 Acq On : 17 Nov 2020 16:44
 Operator : SY/MD
 Sample : L4740-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB112

Quant Time: Nov 17 22:36:34 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	66035	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69035	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29845	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25707	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.92	69	22914	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.58	63	40018	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.65	46	99983	49.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.84%
24) Chloroform-d	5.08	84	53309	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	35156	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.74	84	99420	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.70	67	32434	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.91	98	78700	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.19	79	13638	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.64	63	70871	48.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31145	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	32179	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

				Ovalue
8) Chloroethane	1.92	64	175	0.046 ug/L # 43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	277	0.057 ug/L # 22
13) Acetone	2.66	43	4335	3.263 ug/L # 1
14) Carbon disulfide	2.80	76	2291	0.181 ug/L # 74
21) 2-Butanone	4.74	43	3673	1.821 ug/L # 70
25) Chloroform	5.10	83	1352	0.133 ug/L # 95
27) 1,2-Dichloroethane	5.73	62	563	0.077 ug/L # 74
33) Benzene	5.79	78	524	0.028 ug/L # 100
35) Methylcyclohexane	6.70	83	7519	1.119 ug/L # 13
37) 1,2-Dichloropropane	6.70	63	3885	0.710 ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	914	0.120 ug/L # 68
42) Toluene	7.98	91	1720	0.086 ug/L # 88
44) trans-1,3-Dichloropropene	8.19	75	573	0.079 ug/L # 74
48) 2-Hexanone	8.69	43	2994	0.886 ug/L # 81
59) 1,2,3-Trichloropropane	11.81	75	3814	0.884 ug/L # 87
67) 1,3,5-Trichlorobenzene	13.21	180	406	0.063 ug/L # 74
68) 1,2,4-trichlorobenzene	13.84	180	570	0.107 ug/L # 68

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ALS Vial : 19 Sample Multiplier: 1

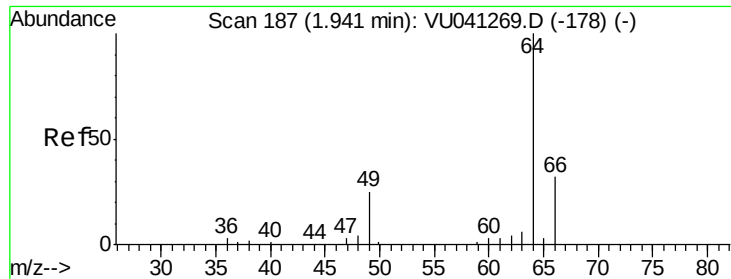
Instrument :
MSVOA_U
ClientSampleId :
GB112

Quant Time: Nov 17 22:36:34 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)
69) Naphthalene	14.08	128	1380	0.160	ug/L #	80
70) 1,2,3-Trichlorobenzene	14.32	180	584	0.118	ug/L #	79

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111720\  
Data File : VU041284.D  
Acq On    : 17 Nov 2020   16:44  
Operator  : SY/MD  
Sample    : L4740-07  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 19      Sample Multiplier: 1
```



#8

Chloroethane

Concen: 0.046 ug/L

RT: 1.92 min Scan# 180

Delta R.T. -0.02 min

Lab File: VU041284.D

Acq: 17 Nov 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

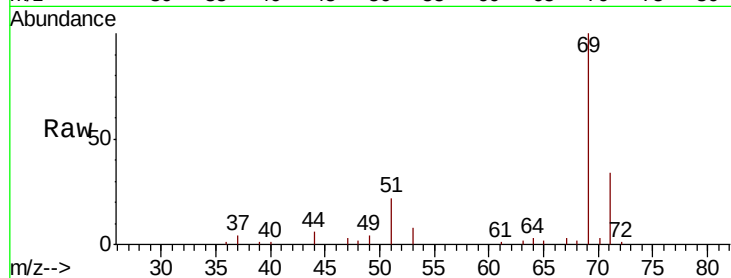
GB112

Tot Ion: 64 Resp: 175

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

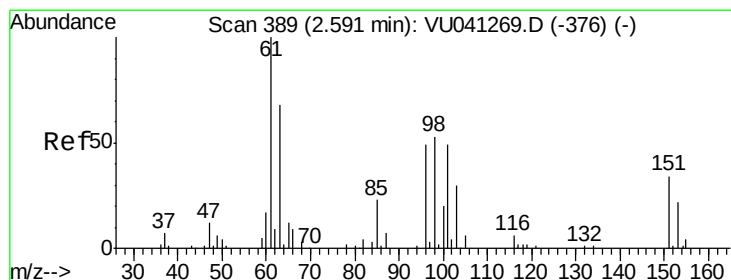
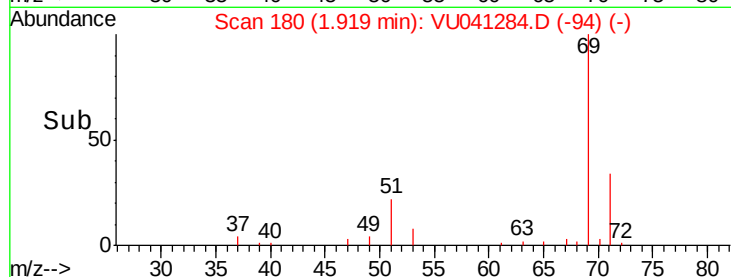
1.92

400

500

600

Time-->



#10

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

Concen: 0.057 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041284.D

Acq: 17 Nov 2020 16:44

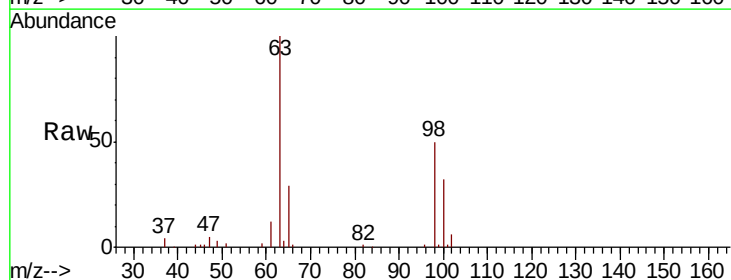
Tgt Ion: 101 Resp: 277

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): V

Ion 85.00 (84.70 to 85.70): VU0

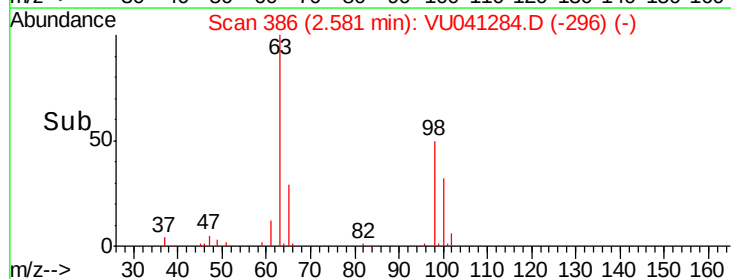
Ion 151.00 (150.70 to 151.70): V

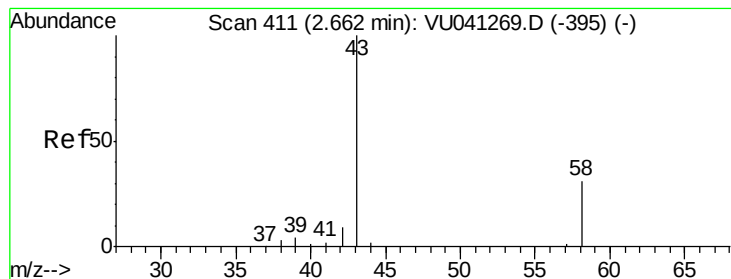
2.58

250

300

Time-->





#13

Acetone

Concen: 3.263 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU041284.D

Acq: 17 Nov 2020 16:44

Instrument :

MSVOA_U

ClientSampled :

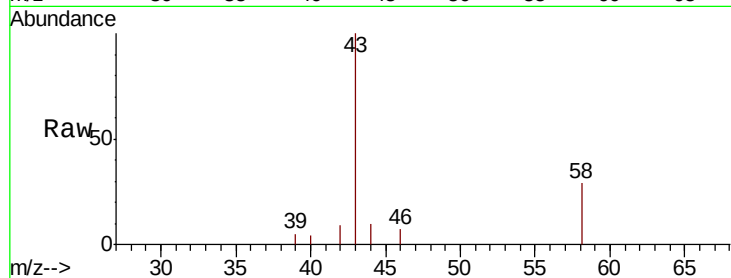
GB112

Tot Ion: 43 Resp: 4335

Ion Ratio Lower Upper

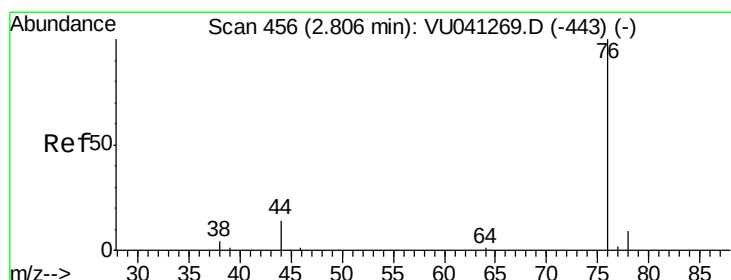
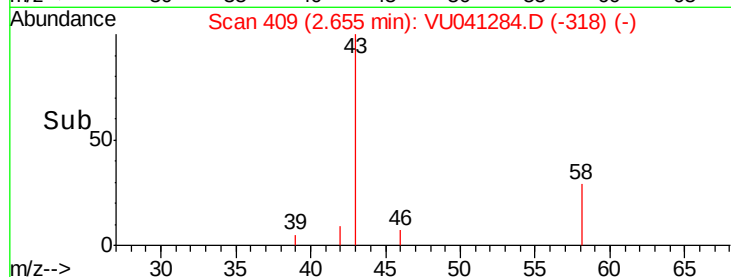
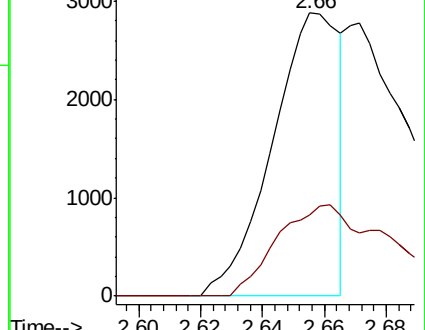
43 100

58 53.3 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) (-)



#14

Carbon disulfide

Concen: 0.181 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041284.D

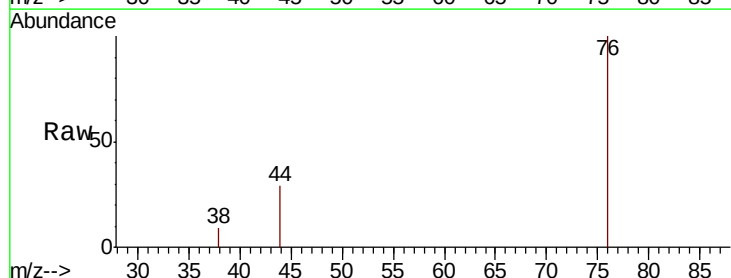
Acq: 17 Nov 2020 16:44

Tgt Ion: 76 Resp: 2291

Ion Ratio Lower Upper

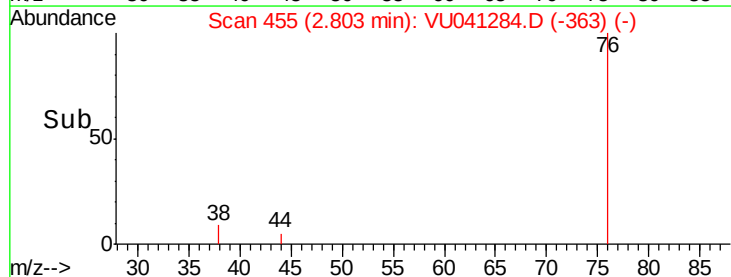
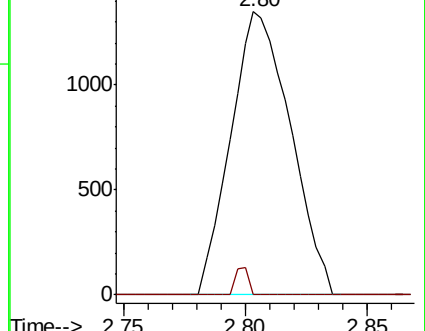
76 100

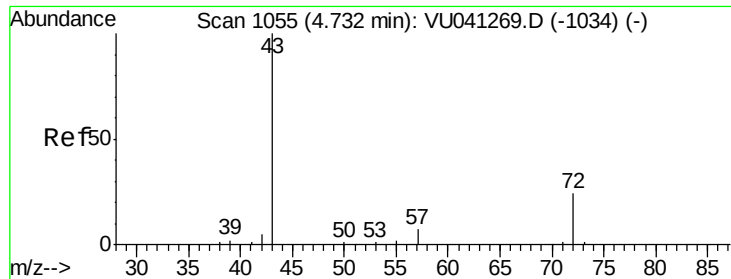
78 0.0 7.5 11.3#



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

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

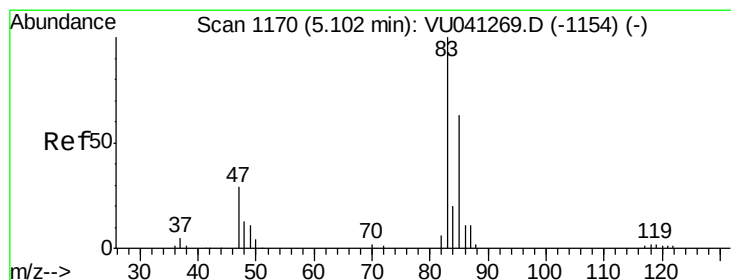
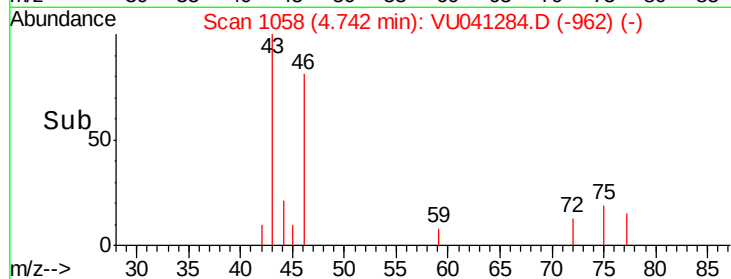
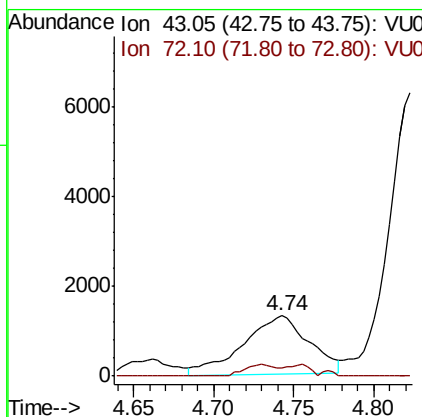
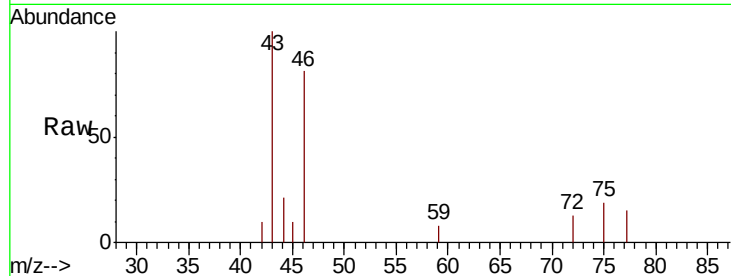




#21
2-Butanone
Concen: 1.821 ug/L
RT: 4.74 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VU041284.D
Acq: 17 Nov 2020 16:44

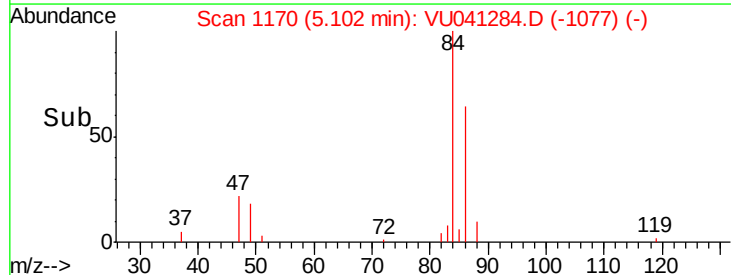
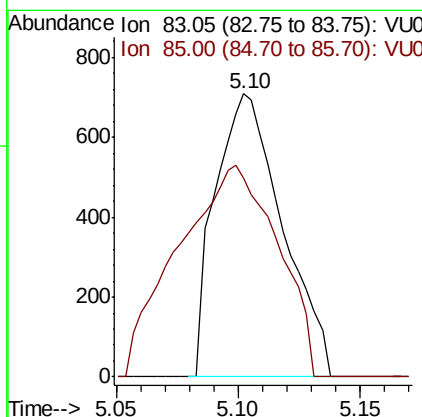
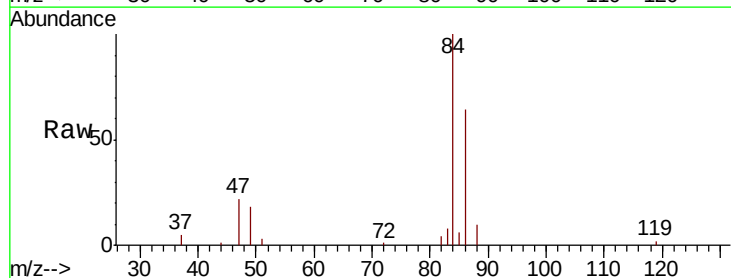
Instrument :
MSVOA_U
ClientSampled :
GB112

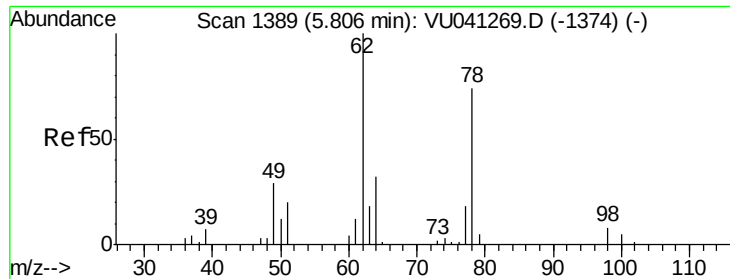
Tot Ion: 43 Resp: 3673
Ion Ratio Lower Upper
43 100
72 8.8 11.8 35.4#



#25
Chloroform
Concen: 0.133 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041284.D
Acq: 17 Nov 2020 16:44

Tgt Ion: 83 Resp: 1352
Ion Ratio Lower Upper
83 100
85 70.2 46.1 85.7

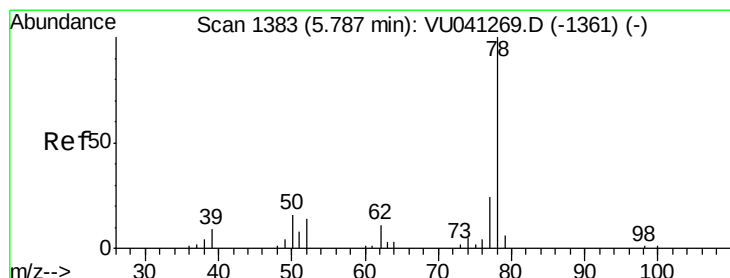
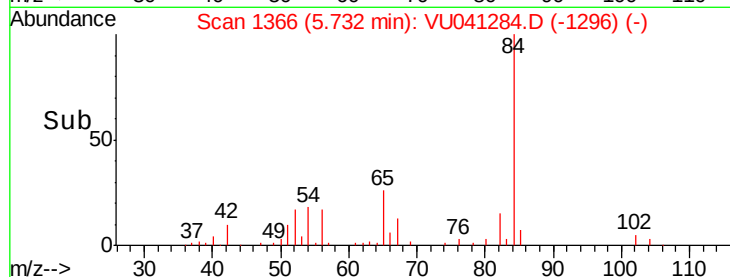
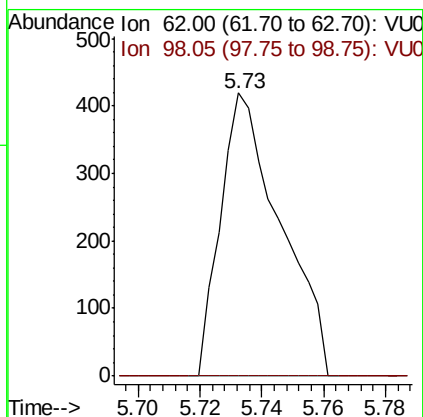
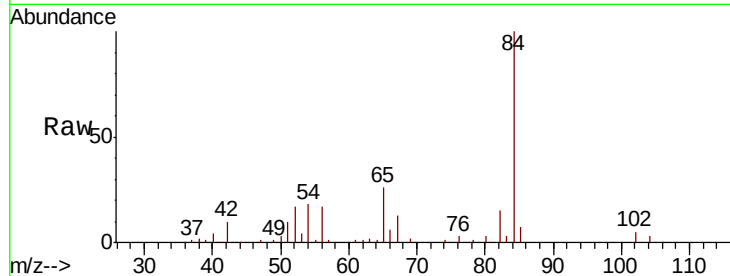




#27
 1,2-Dichloroethane
 Concen: 0.077 ug/L
 RT: 5.73 min Scan# 1366
 Delta R.T. -0.07 min
 Lab File: VU041284.D
 Acq: 17 Nov 2020 16:44

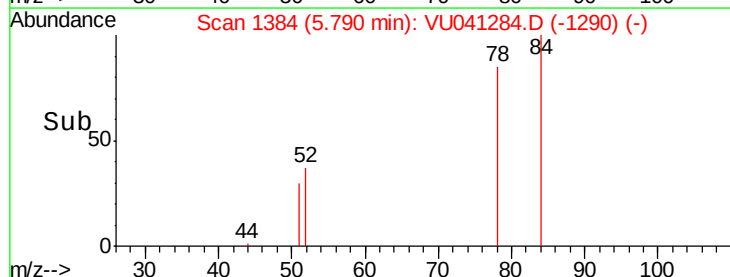
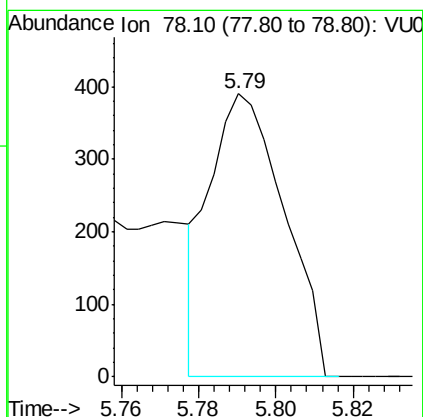
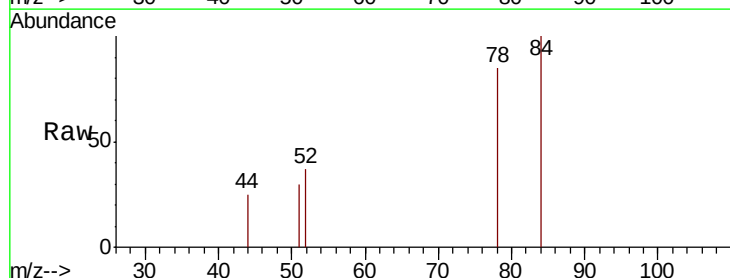
Instrument :
 MSVOA_U
 ClientSampleId :
 GB112

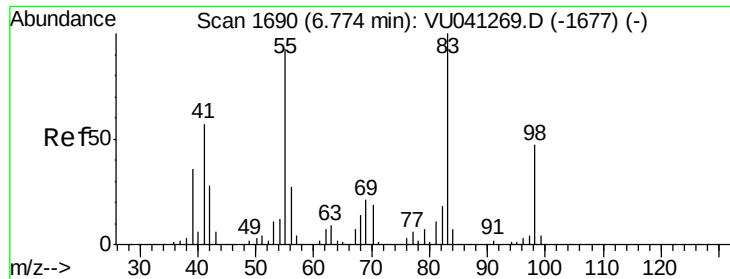
Tot Ion: 62 Resp: 563
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.028 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU041284.D
 Acq: 17 Nov 2020 16:44

Tgt Ion: 78 Resp: 524

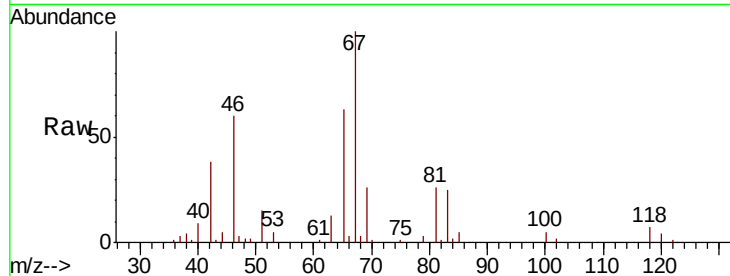




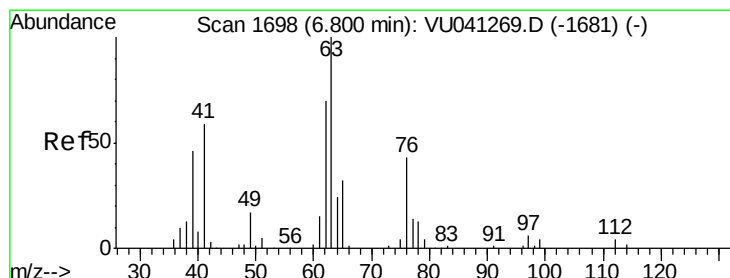
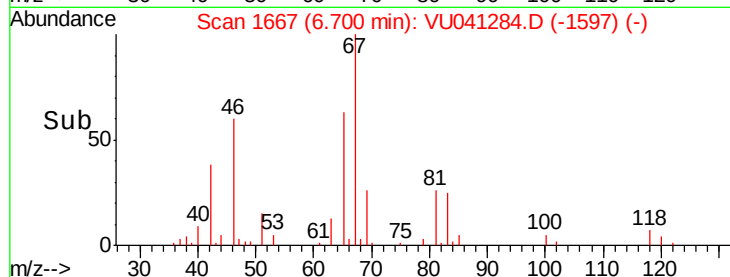
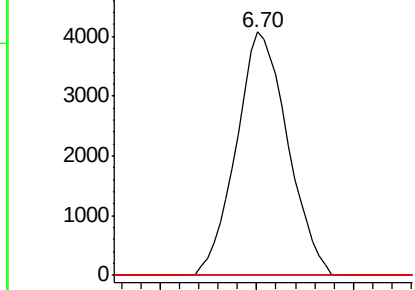
#35
Methylvlcyclohexane
Concen: 1.119 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041284.D
Acq: 17 Nov 2020 16:44

Instrument :
MSVOA_U
ClientSampleId :
GB112

Tot Ion: 83 Resp: 7519
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

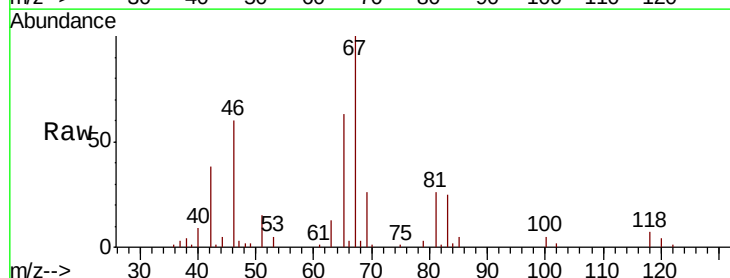


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

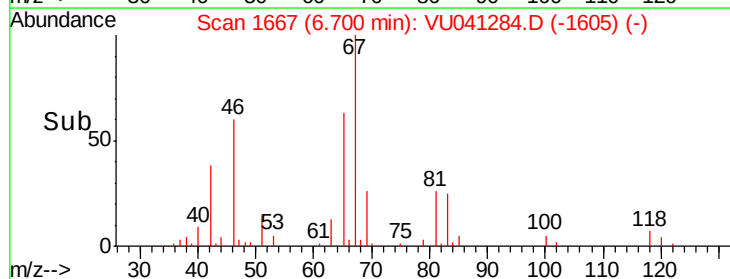
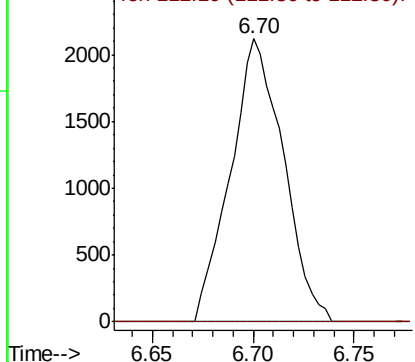


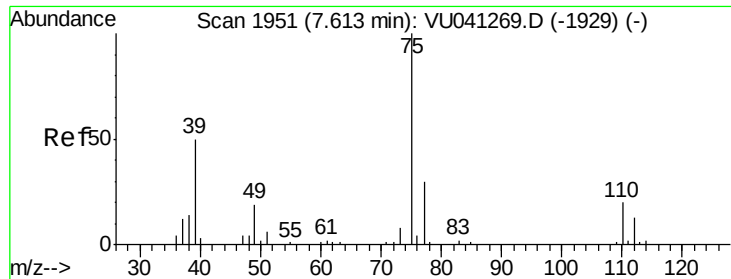
#37
1,2-Dichloropropane
Concen: 0.710 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041284.D
Acq: 17 Nov 2020 16:44

Tgt Ion: 63 Resp: 3885
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

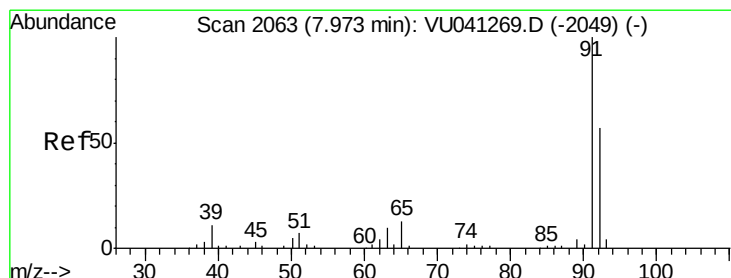
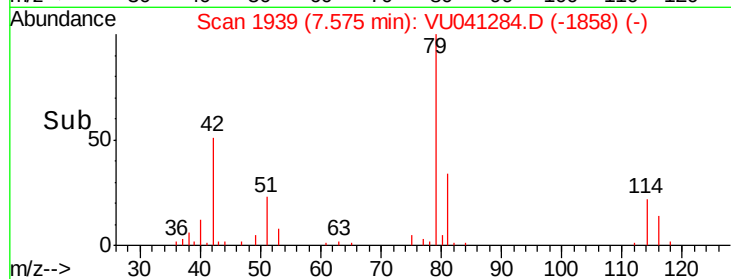
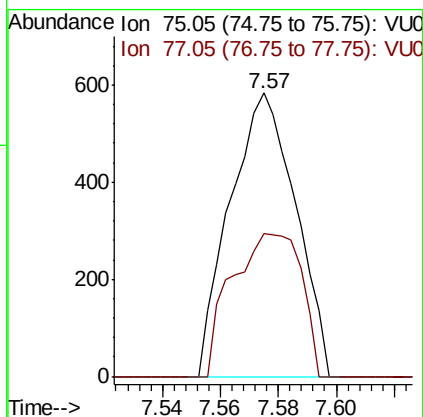
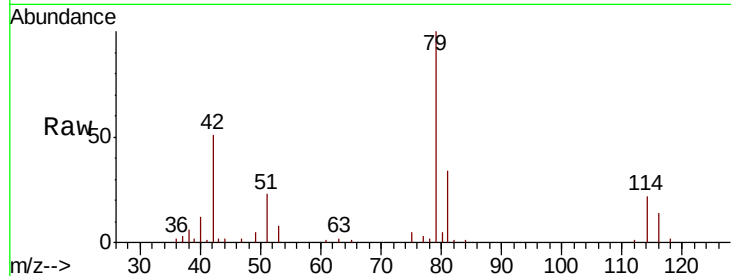




#39
 cis-1,3-Dichloropropene
 Concen: 0.120 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041284.D
 Acq: 17 Nov 2020 16:44

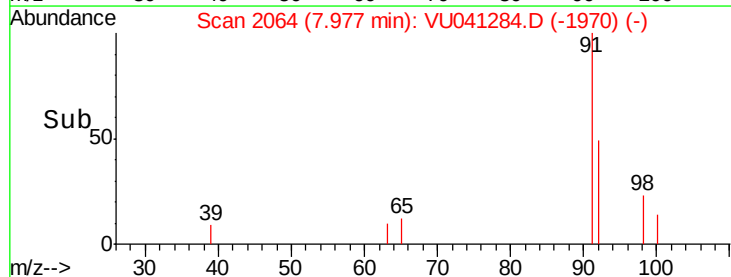
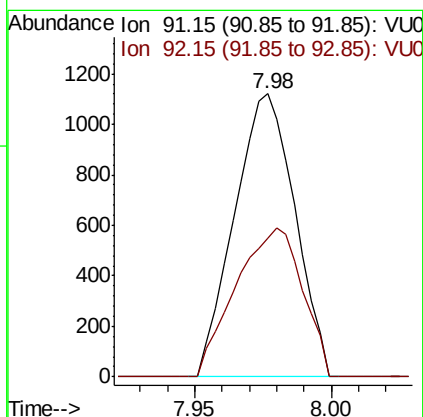
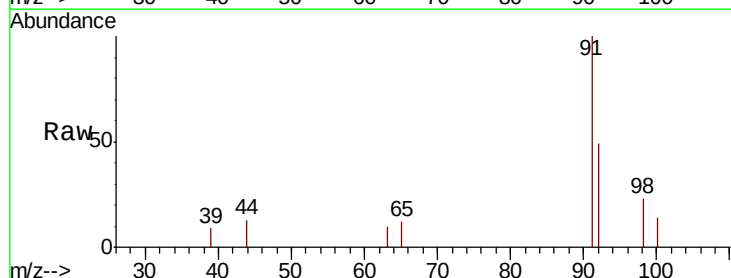
Instrument :
 MSVOA_U
 ClientSampleId :
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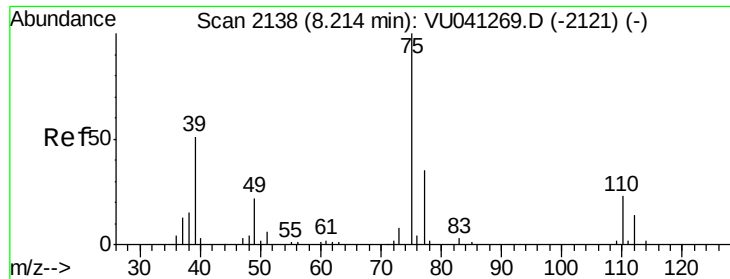
Tot Ion: 75 Resp: 914
 Ion Ratio Lower Upper
 75 100
 77 50.3 22.7 42.3#



#42
 Toluene
 Concen: 0.086 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041284.D
 Acq: 17 Nov 2020 16:44

Tgt Ion: 91 Resp: 1720
 Ion Ratio Lower Upper
 91 100
 92 49.1 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041284.D

Acq: 17 Nov 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

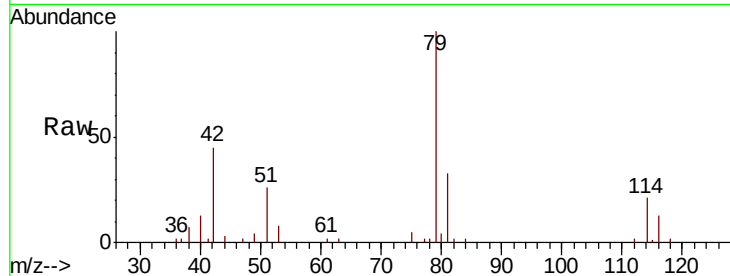
GB112

Tot Ion: 75 Resp: 573

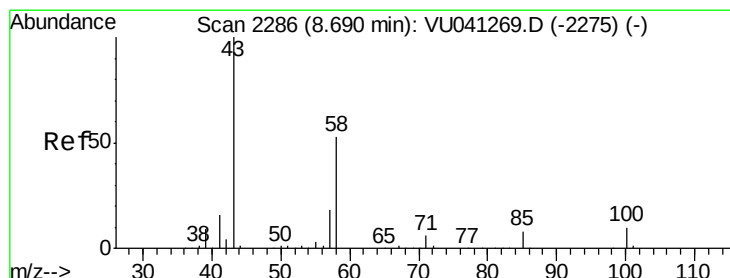
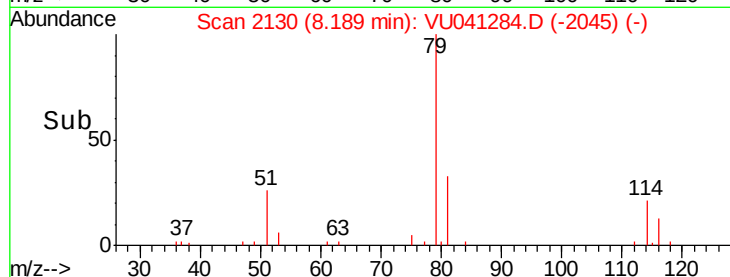
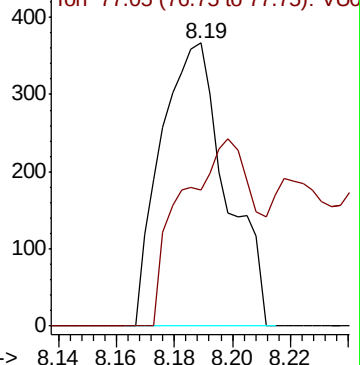
Ion Ratio Lower Upper

75 100

77 48.2 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041269.D (-2121) (-)



#48

2-Hexanone

Concen: 0.886 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VU041284.D

Acq: 17 Nov 2020 16:44

Tgt Ion: 43 Resp: 2994

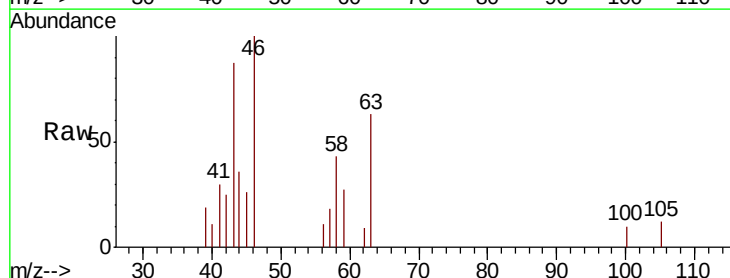
Ion Ratio Lower Upper

43 100

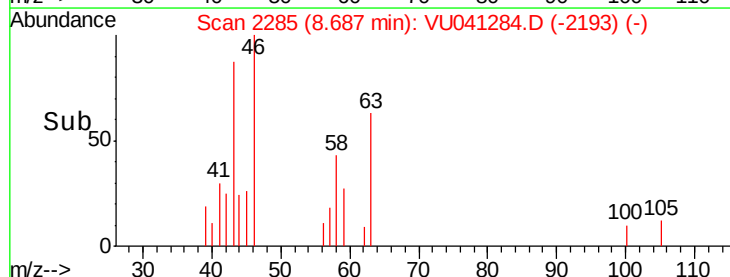
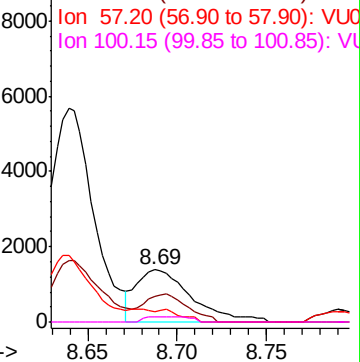
58 42.2 41.4 62.2

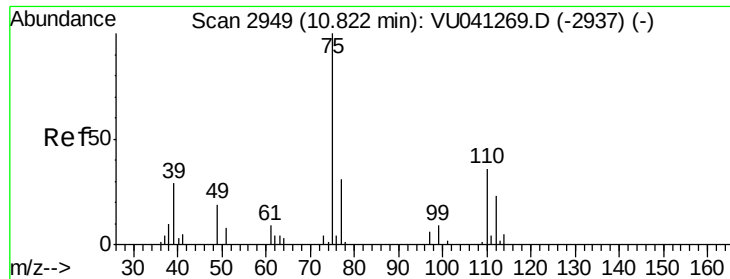
57 0.0 14.6 21.8#

100 8.5 8.3 12.5



Abundance Ion 43.05 (42.75 to 43.75): VU041269.D (-2275) (-)





#59

1,2,3-Trichloropropane

Concen: 0.884 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041284.D

Acq: 17 Nov 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

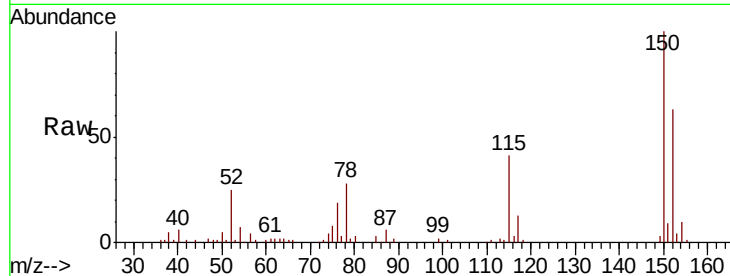
GB112

Tot Ion: 75 Resp: 3814

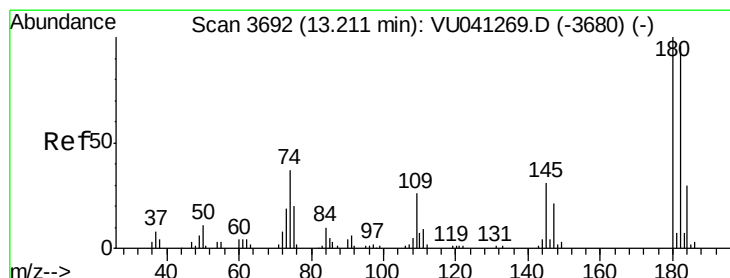
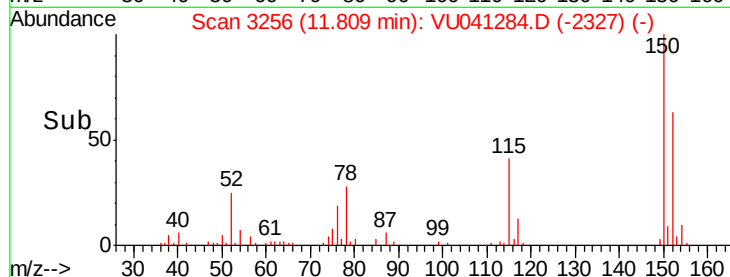
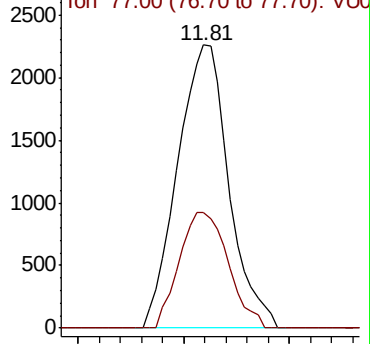
Ion Ratio Lower Upper

75 100

77 39.1 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU041269.D (-2937) (-)



#67

1,3,5-Trichlorobenzene

Concen: 0.063 ug/L

RT: 13.21 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VU041284.D

Acq: 17 Nov 2020 16:44

Tgt Ion: 180 Resp: 406

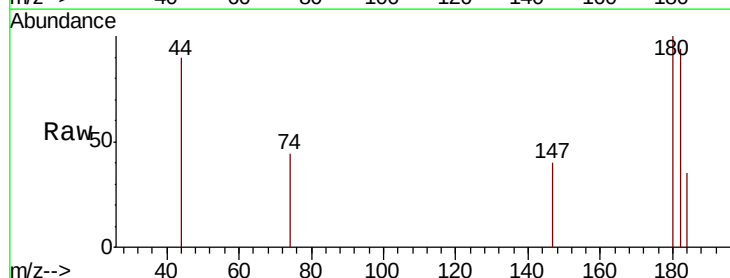
Ion Ratio Lower Upper

180 100

182 83.5 75.7 113.5

184 10.1 23.7 35.5#

145 0.0 26.1 39.1#



Abundance Ion 180.00 (179.70 to 180.70): VU041269.D (-3680) (-)

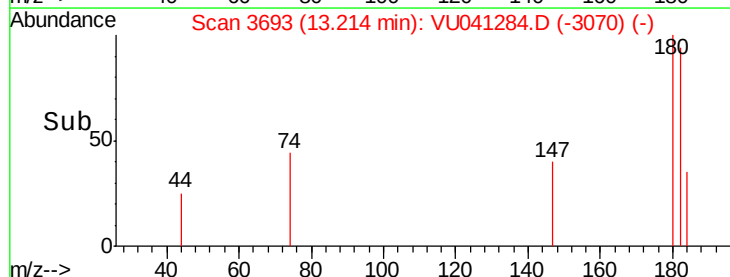
Ion 182.00 (181.70 to 182.70): VU041269.D (-3680) (-)

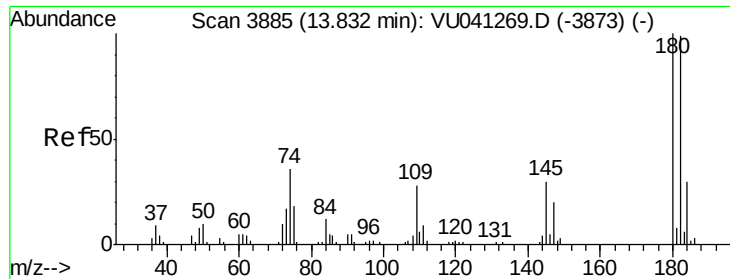
Ion 184.00 (183.70 to 184.70): VU041269.D (-3680) (-)

Ion 145.00 (144.70 to 145.70): VU041269.D (-3680) (-)

13.21

Time-->

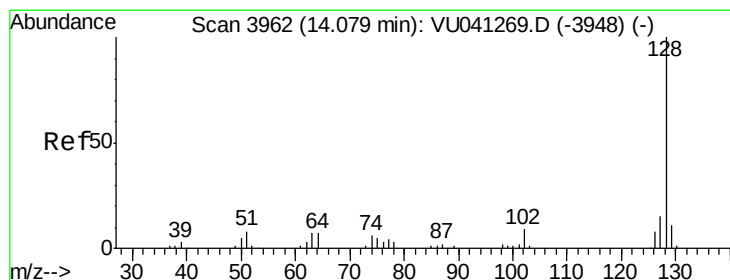
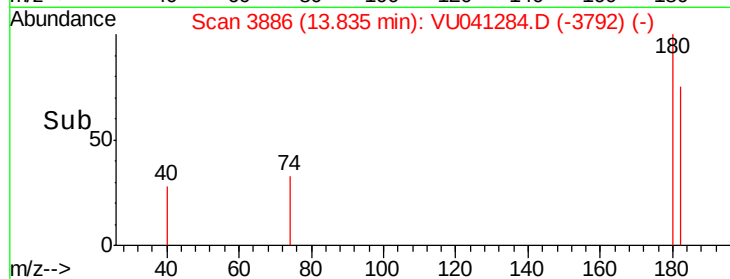
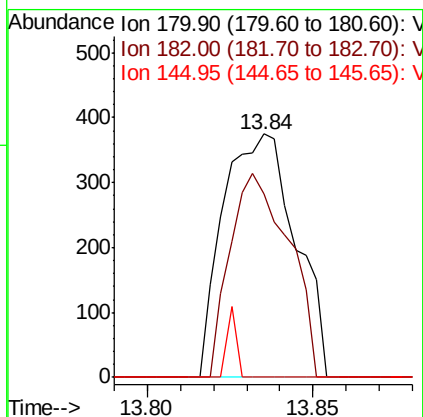
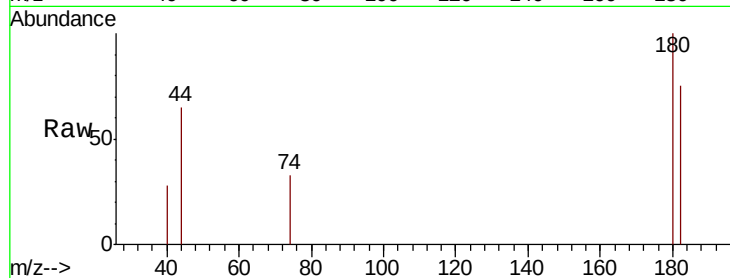




#68
 1,2,4-trichlorobenzene
 Concen: 0.107 ug/L
 RT: 13.84 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU041284.D
 Acq: 17 Nov 2020 16:44

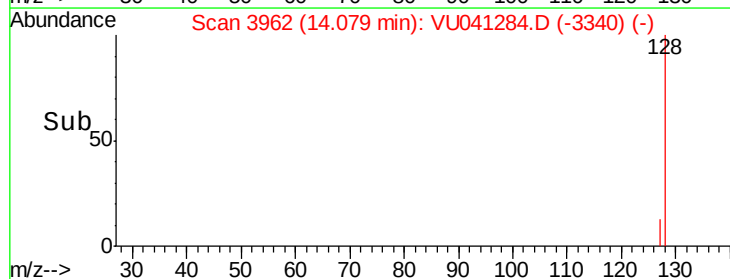
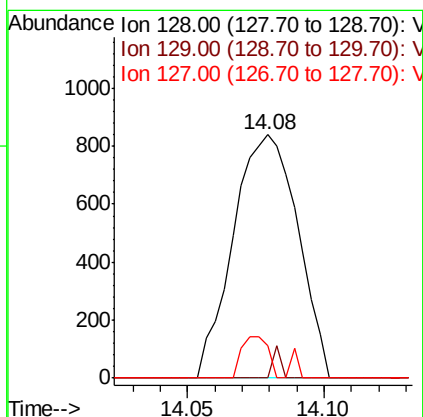
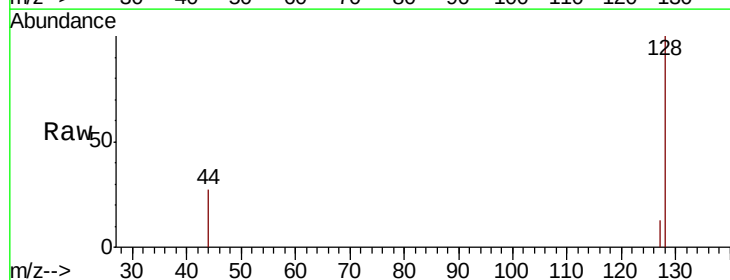
Instrument :
 MSVOA_U
 ClientSampleId :
 GB112

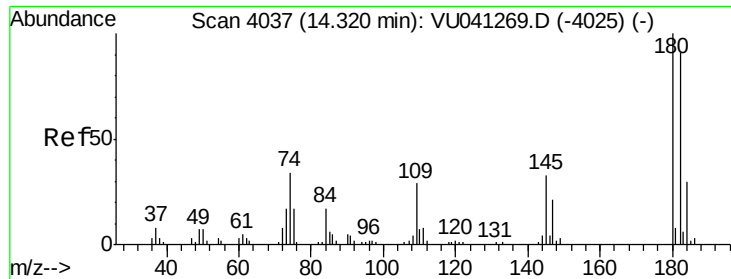
Tot Ion:180 Resp: 570
 Ion Ratio Lower Upper
 180 100
 182 68.1 73.5 110.3#
 145 3.7 26.6 40.0#



#69
 Naphthalene
 Concen: 0.160 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. 0.00 min
 Lab File: VU041284.D
 Acq: 17 Nov 2020 16:44

Tgt Ion:128 Resp: 1380
 Ion Ratio Lower Upper
 128 100
 129 1.5 8.7 13.1#
 127 7.0 10.8 16.2#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.118 ug/L
 RT: 14.32 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: VU041284.D
 Acq: 17 Nov 2020 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 GB112

Tot Ion:180 Resp: 584
 Ion Ratio Lower Upper
 180 100
 182 82.2 77.7 116.5
 145 15.9 29.4 44.0#

