

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041280.D
 Acq On : 17 Nov 2020 14:49
 Operator : SY/MD
 Sample : L4740-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB111

Quant Time: Nov 17 22:35:51 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	70525	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31394	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27019	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.92	69	23141	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.58	63	38988	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.65	46	100916	47.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.36%
24) Chloroform-d	5.08	84	56293	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.72	65	34712	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.74	84	99875	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	34950	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	79879	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	8.19	79	13063	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.64	63	70793	44.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30370	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	32278	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	695	0.111 ug/L	89
8) Chloroethane	1.92	64	394	0.097 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	335	0.064 ug/L #	22
13) Acetone	2.66	43	10714	7.551 ug/L #	67
14) Carbon disulfide	2.81	76	1118	0.083 ug/L #	74
15) Methyl Acetate	2.97	43	2205	0.748 ug/L #	76
16) Methylene chloride	3.06	84	2114	0.367 ug/L	80
21) 2-Butanone	4.83	43	136693	63.451 ug/L #	53
25) Chloroform	5.10	83	629	0.058 ug/L	88
33) Benzene	5.78	78	1337	0.066 ug/L	100
35) Methylcyclohexane	6.70	83	8165	1.127 ug/L #	13
37) 1,2-Dichloropropane	6.71	63	3907	0.663 ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	951	0.116 ug/L #	76
42) Toluene	7.98	91	1223	0.057 ug/L	85
44) trans-1,3-Dichloropropene	8.19	75	581	0.075 ug/L #	60
48) 2-Hexanone	8.69	43	1683	0.462 ug/L #	45
59) 1,2,3-Trichloropropane	11.81	75	4174	0.898 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

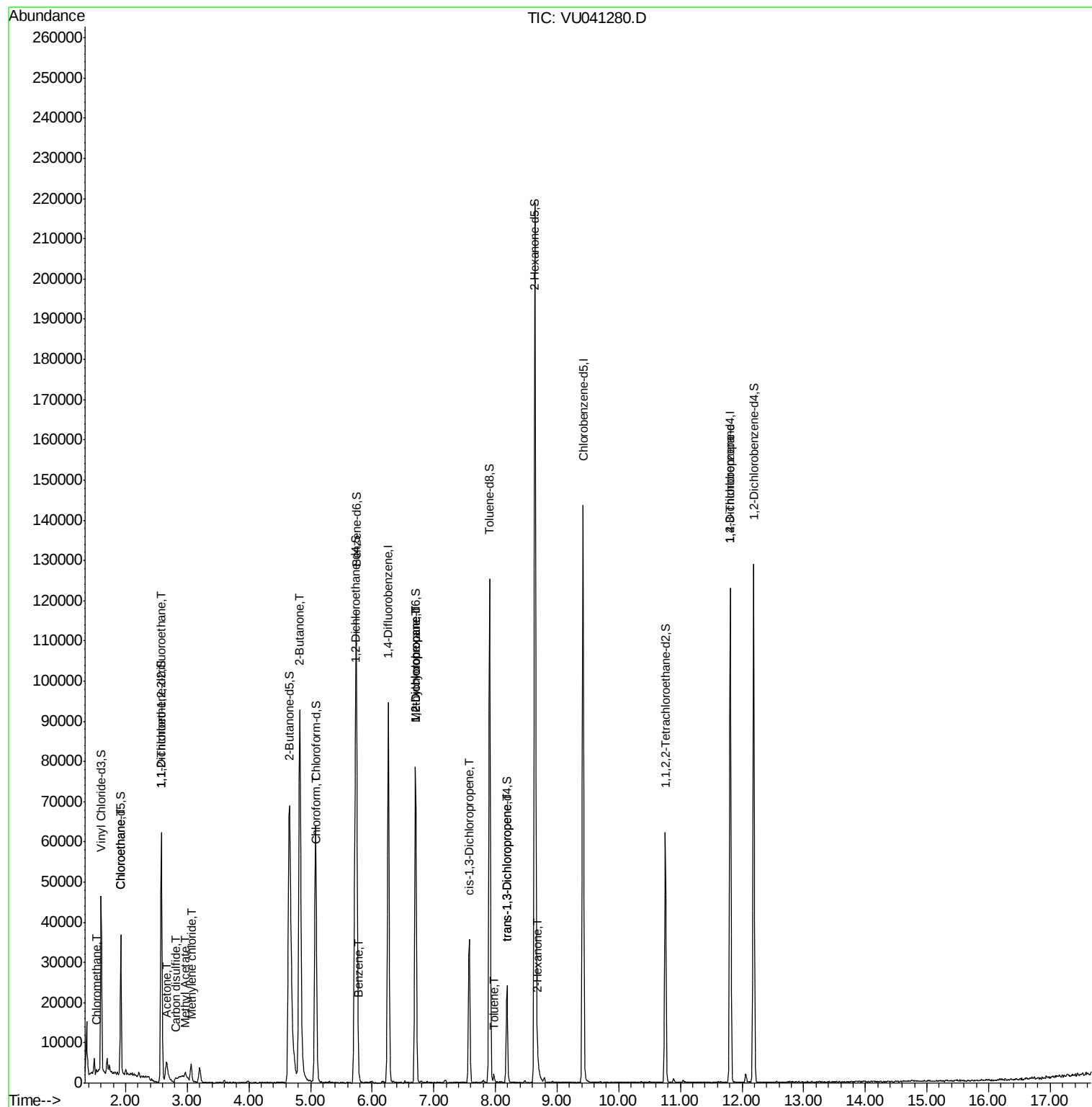
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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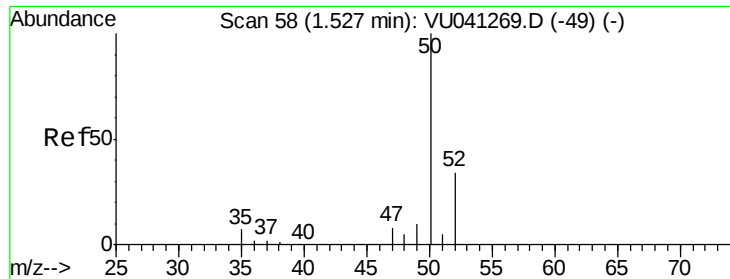
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.111 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041280.D

Acq: 17 Nov 2020 14:49

Instrument :

MSVOA_U

ClientSampleId :

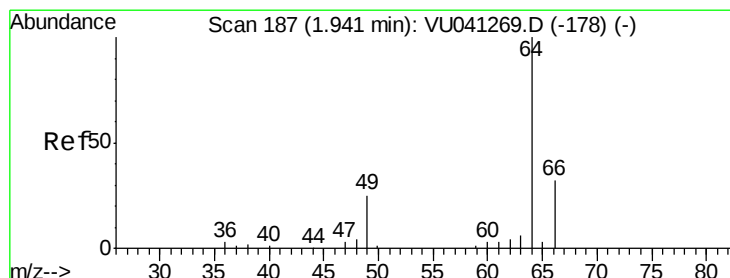
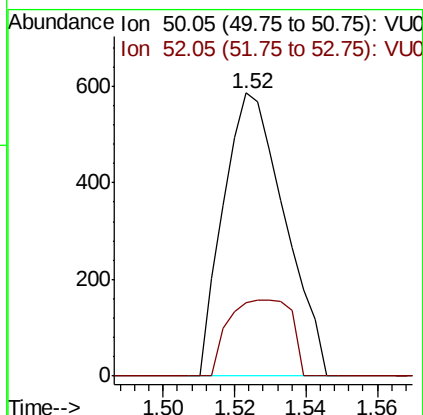
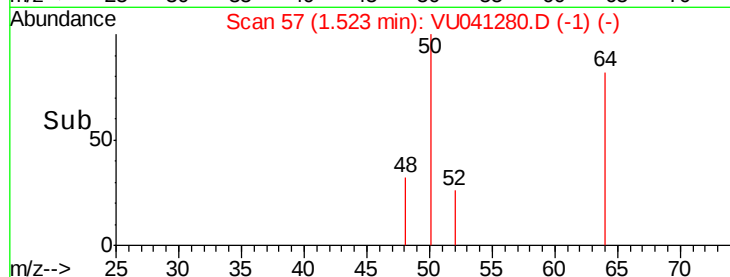
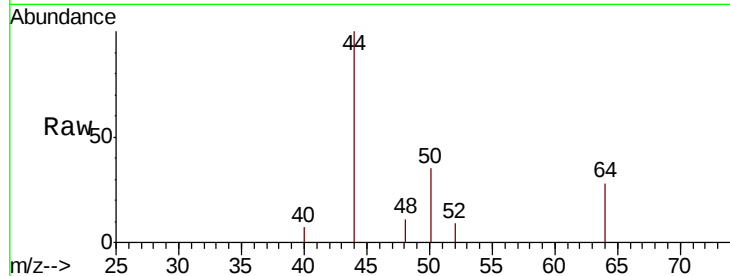
GB111

Tot Ion: 50 Resp: 695

Ion Ratio Lower Upper

50 100

52 26.1 22.4 41.6



#8

Chloroethane

Concen: 0.097 ug/L

RT: 1.92 min Scan# 181

Delta R.T. -0.02 min

Lab File: VU041280.D

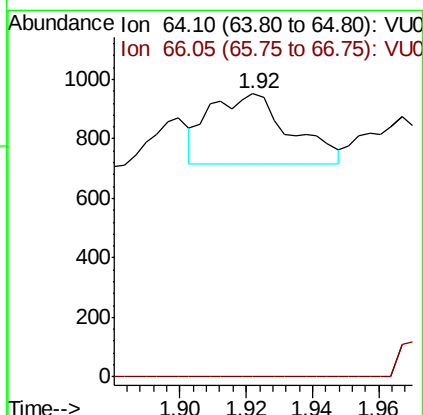
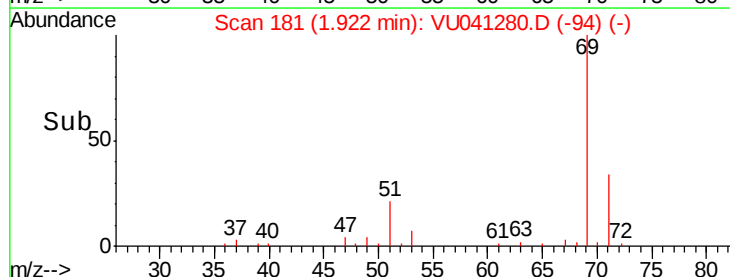
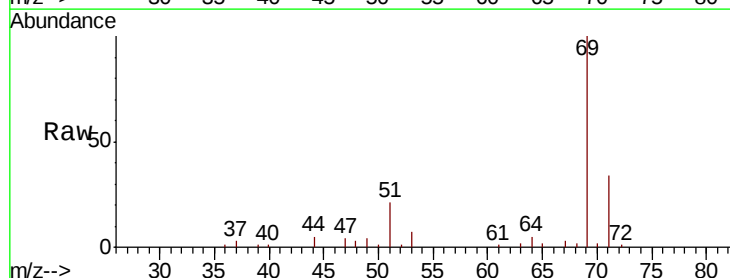
Acq: 17 Nov 2020 14:49

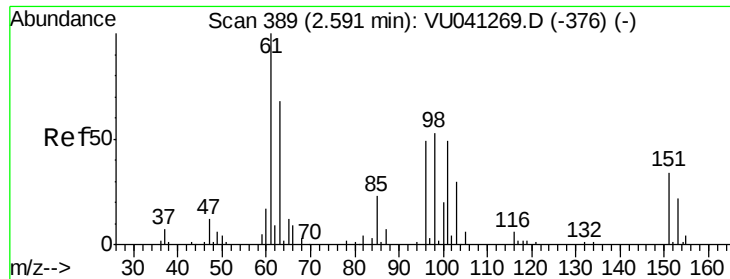
Tgt Ion: 64 Resp: 394

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#10

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

Concen: 0.064 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041280.D

Acq: 17 Nov 2020 14:49

Instrument :

MSVOA_U

ClientSampleId :

GB111

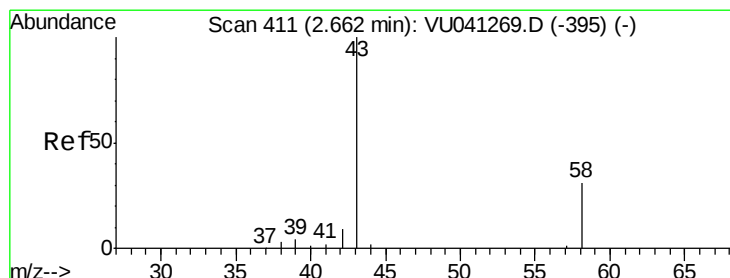
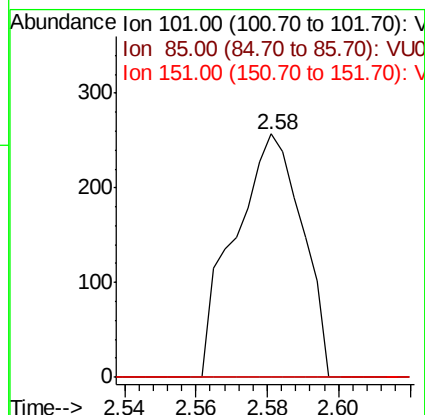
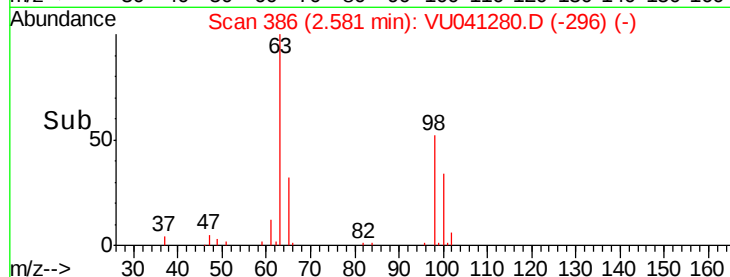
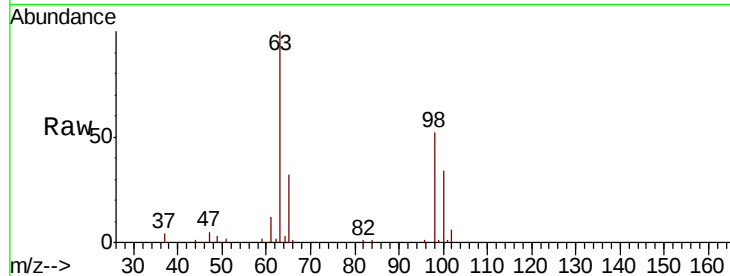
Tot Ion:101 Resp: 335

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



#13

Acetone

Concen: 7.551 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041280.D

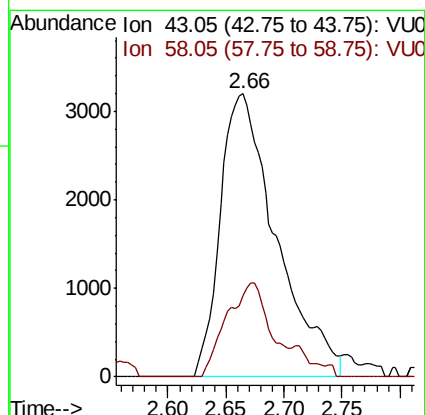
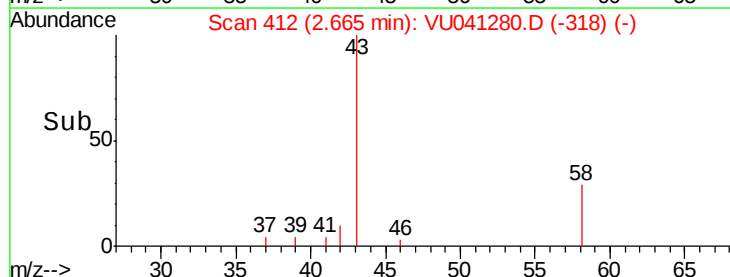
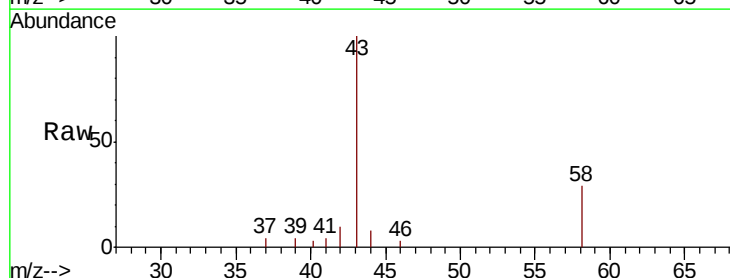
Acq: 17 Nov 2020 14:49

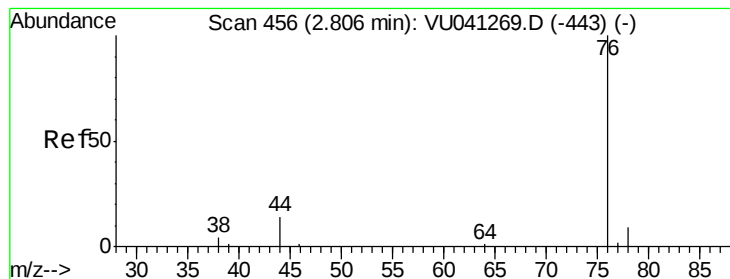
Tgt Ion: 43 Resp: 10714

Ion Ratio Lower Upper

43 100

58 25.6 0.0 25.4#





#14

Carbon disulfide

Concen: 0.083 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041280.D

Acq: 17 Nov 2020 14:49

Instrument :

MSVOA_U

ClientSampleId :

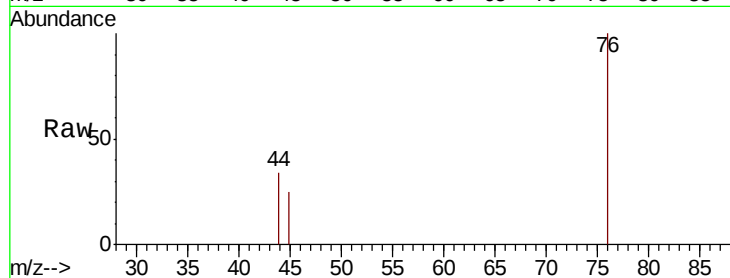
GB111

Tot Ion: 76 Resp: 1118

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): VU041280.D (-414) (-)

2.81

800

600

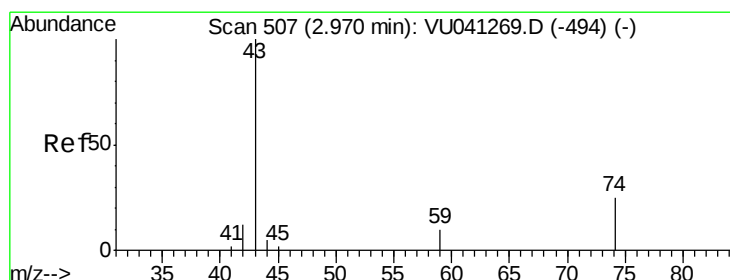
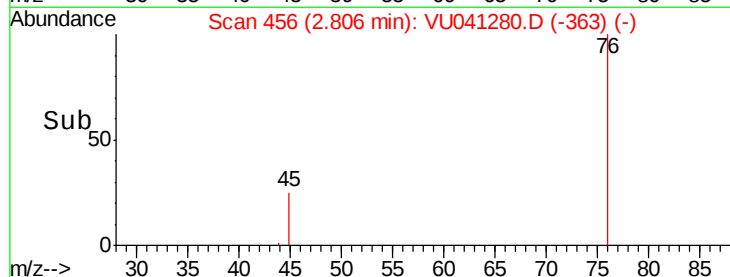
400

200

0

2.76 2.78 2.80 2.82 2.84

Time-->



#15

Methyl Acetate

Concen: 0.748 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU041280.D

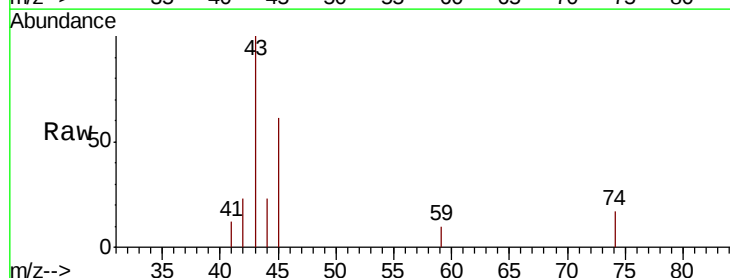
Acq: 17 Nov 2020 14:49

Tgt Ion: 43 Resp: 2205

Ion Ratio Lower Upper

43 100

74 11.4 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU041269.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU041280.D (-414) (-)

2.97

1200

1000

800

600

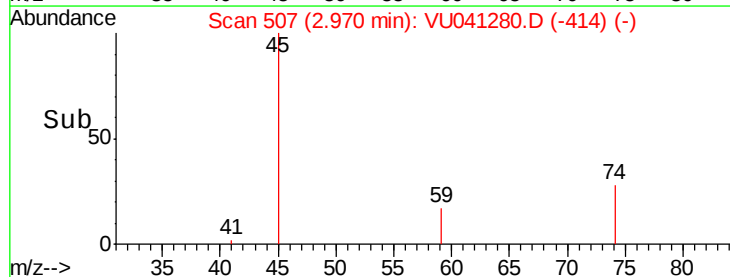
400

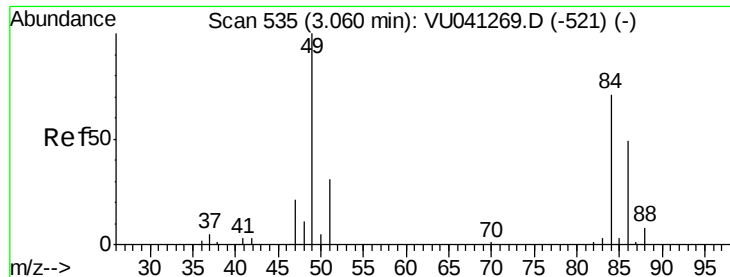
200

0

2.90 2.95 3.00 3.05

Time-->

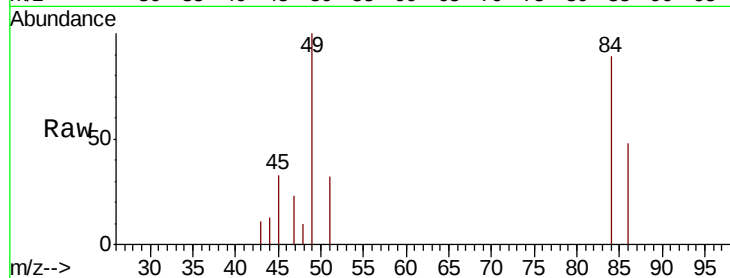




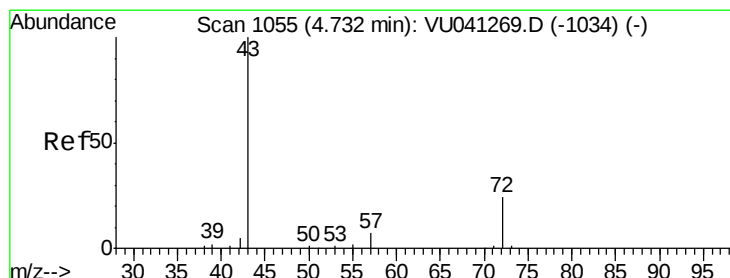
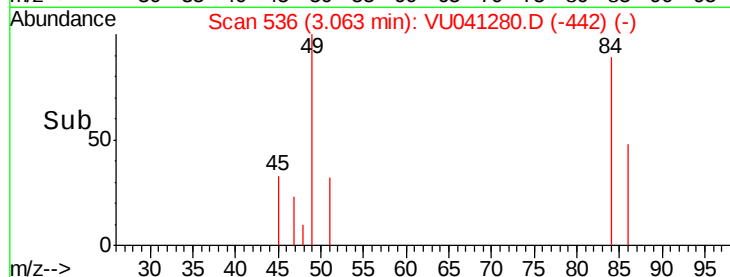
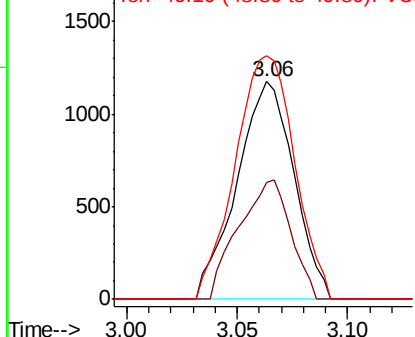
#16
Methvlene chloride
Concen: 0.367 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041280.D
Acq: 17 Nov 2020 14:49

Instrument :
MSVOA_U
ClientSampleId :
GB111

Tot Ion: 84 Resp: 2114
Ion Ratio Lower Upper
84 100
86 53.9 42.8 79.6
49 111.9 99.5 184.7

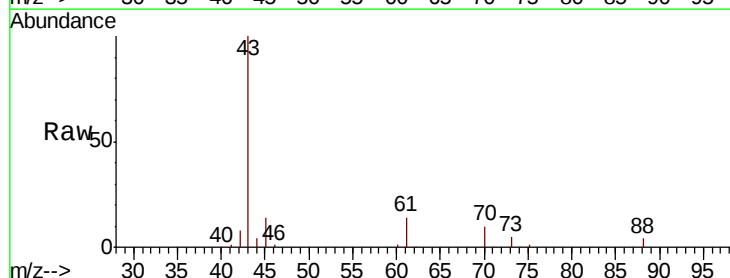


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

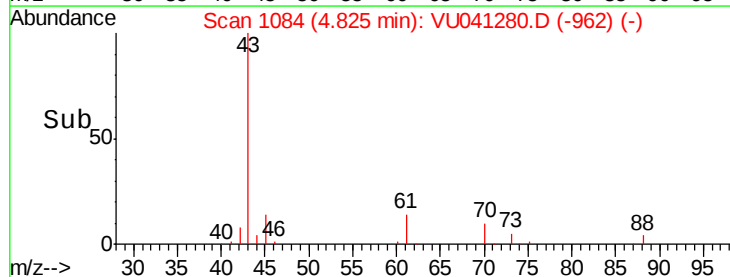
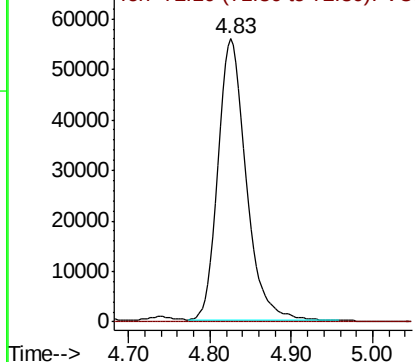


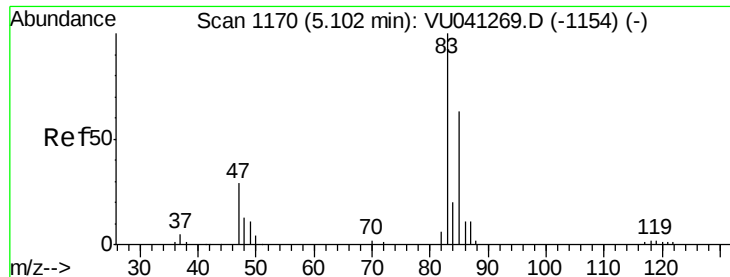
#21
2-Butanone
Concen: 63.451 ug/L
RT: 4.83 min Scan# 1084
Delta R.T. 0.09 min
Lab File: VU041280.D
Acq: 17 Nov 2020 14:49

Tgt Ion: 43 Resp: 136693
Ion Ratio Lower Upper
43 100
72 0.4 11.8 35.4#



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

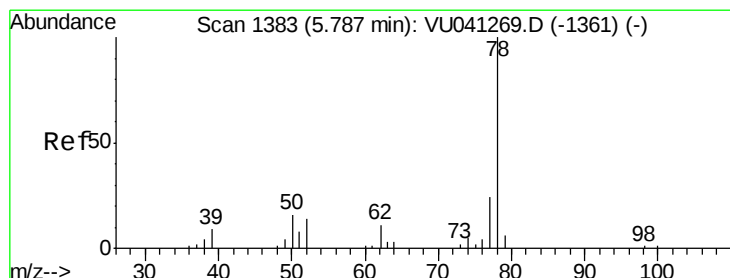
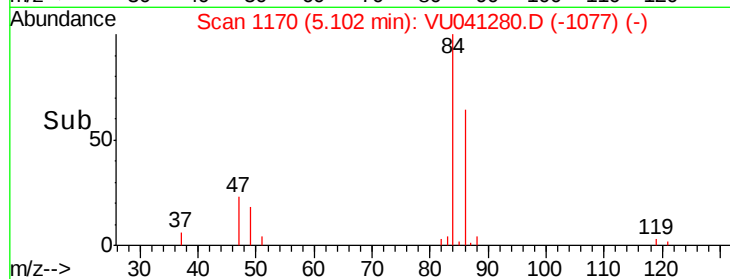
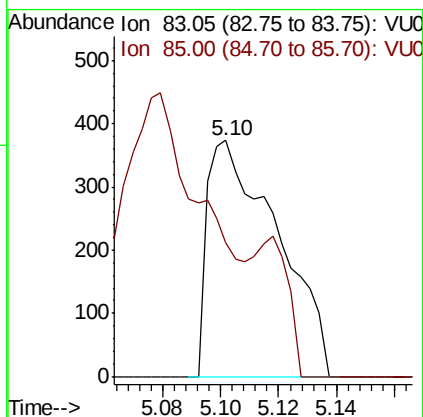
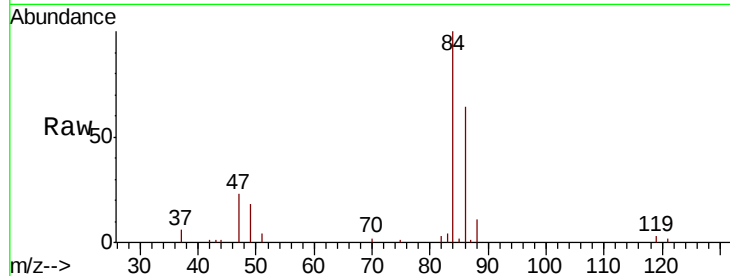




#25
Chloroform
Concen: 0.058 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041280.D
Acq: 17 Nov 2020 14:49

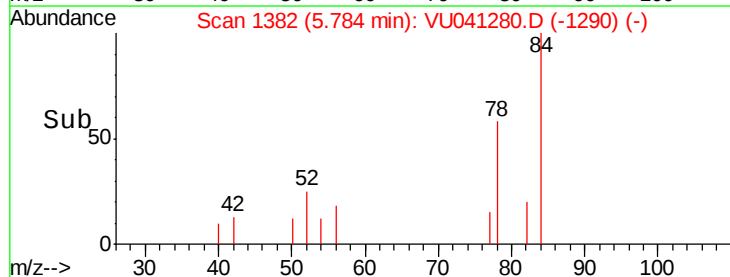
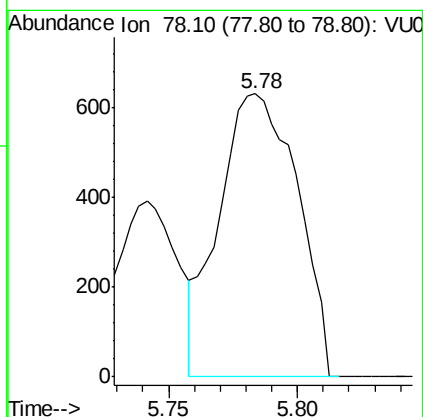
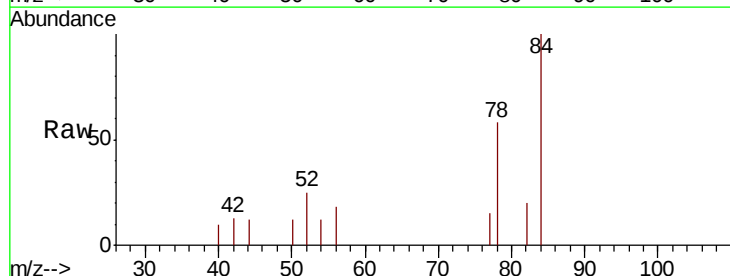
Instrument :
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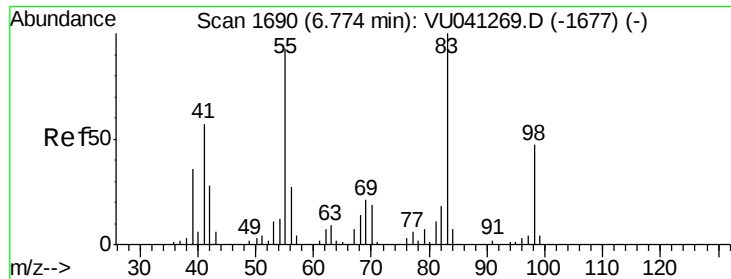
Tot Ion: 83 Resp: 629
Ion Ratio Lower Upper
83 100
85 56.6 46.1 85.7



#33
Benzene
Concen: 0.066 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VU041280.D
Acq: 17 Nov 2020 14:49

Tgt Ion: 78 Resp: 1337

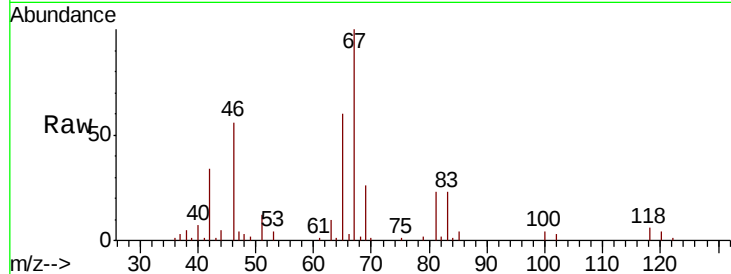




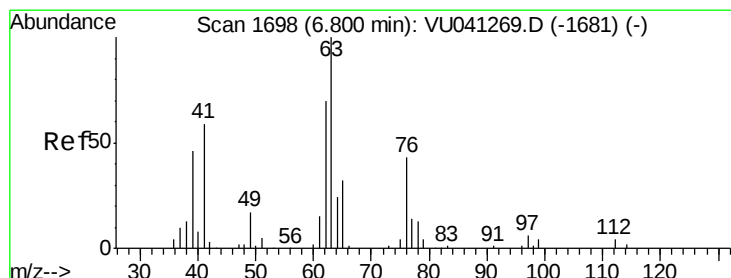
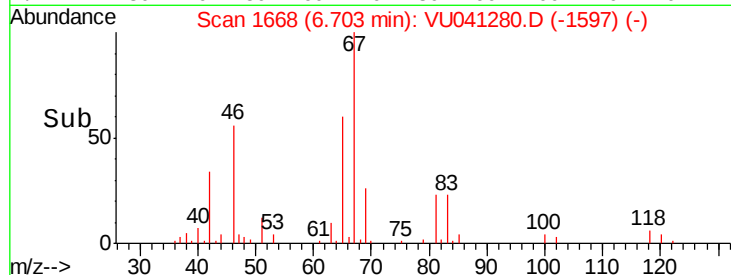
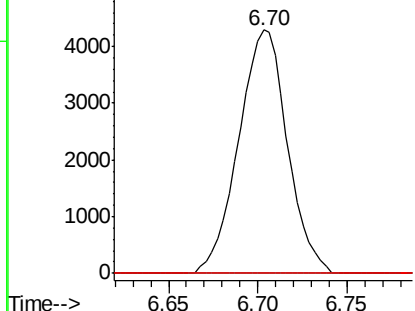
#35
Methvlcvclohexane
Concen: 1.127 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041280.D
Acq: 17 Nov 2020 14:49

Instrument :
MSVOA_U
ClientSampleId :
GB111

Tot Ion: 83 Resp: 8165
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.3 36.6 55.0#

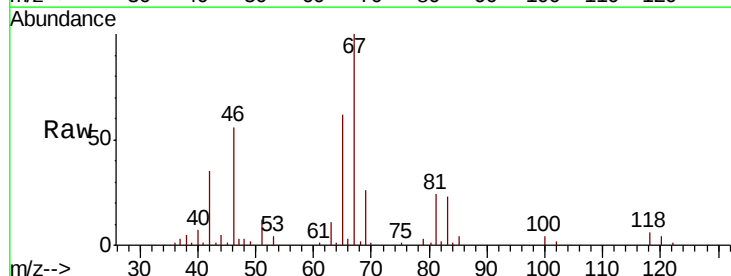


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

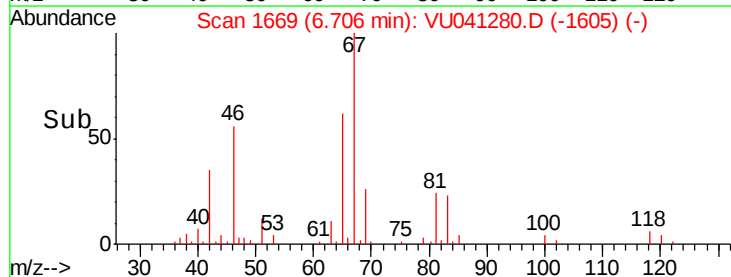
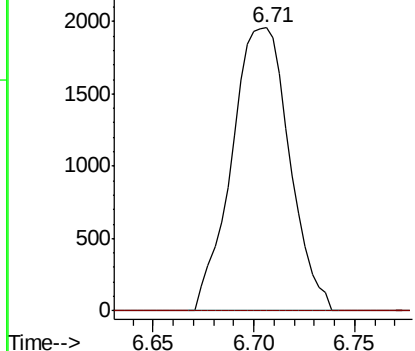


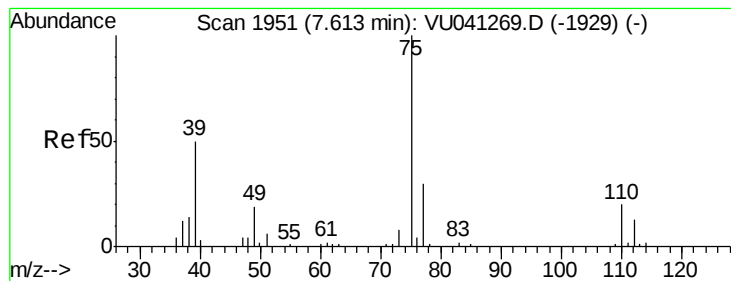
#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041280.D
Acq: 17 Nov 2020 14:49

Tgt Ion: 63 Resp: 3907
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



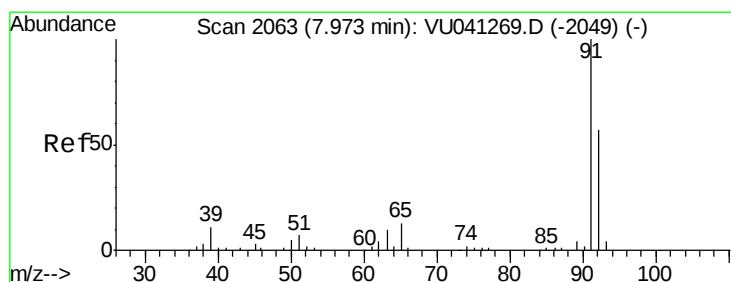
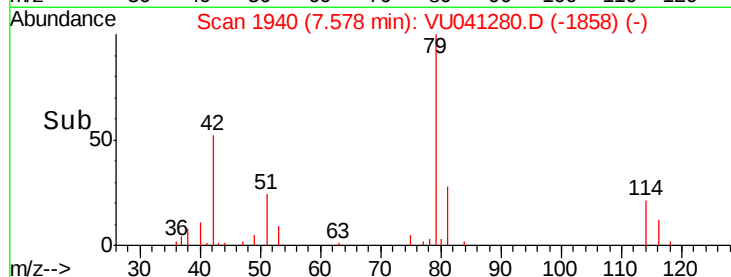
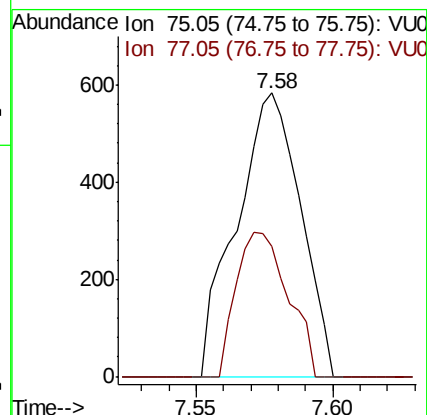
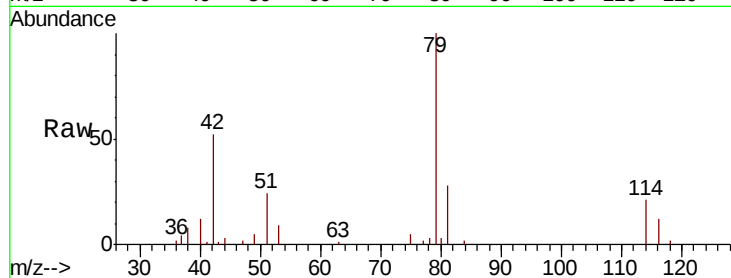


#39

cis-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 7.58 min Scan# 1940
Delta R.T. -0.04 min
Lab File: VU041280.D
Acq: 17 Nov 2020 14:49

Instrument :
MSVOA_U
ClientSampleId :
GB111

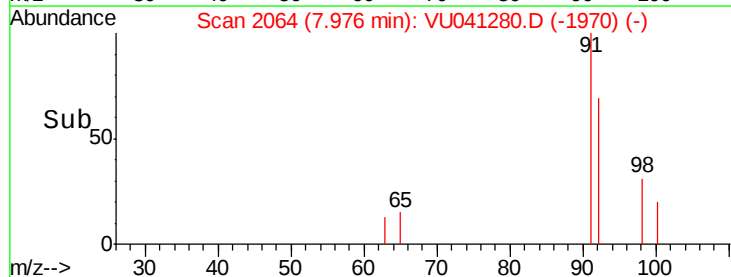
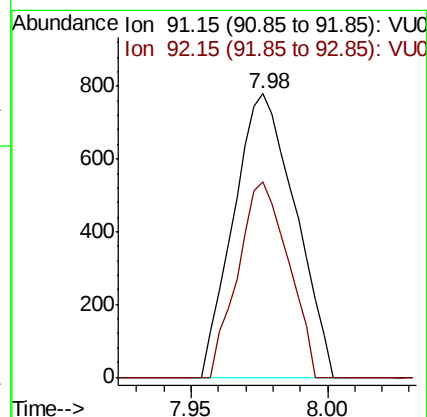
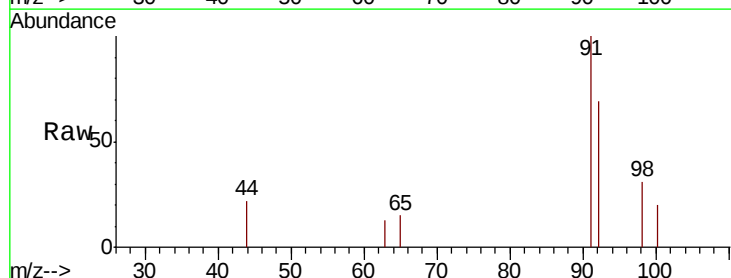
Tot Ion: 75 Resp: 951
Ion Ratio Lower Upper
75 100
77 46.1 22.7 42.3#

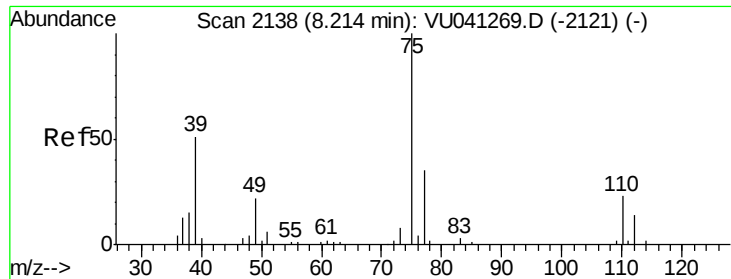


#42

Toluene
Concen: 0.057 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU041280.D
Acq: 17 Nov 2020 14:49

Tgt Ion: 91 Resp: 1223
Ion Ratio Lower Upper
91 100
92 69.1 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041280.D

Acq: 17 Nov 2020 14:49

Instrument :

MSVOA_U

ClientSampleId :

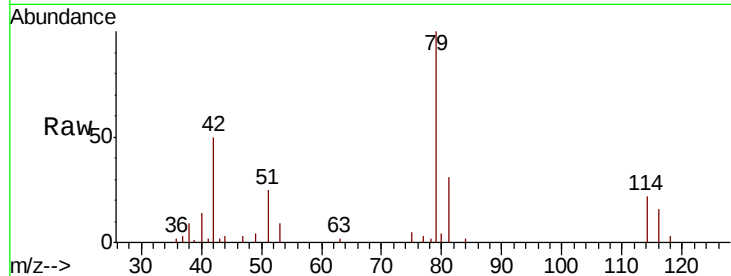
GB111

Tot Ion: 75 Resp: 581

Ion Ratio Lower Upper

75 100

77 56.2 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

300

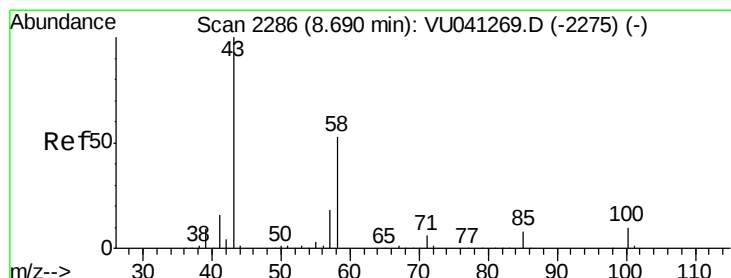
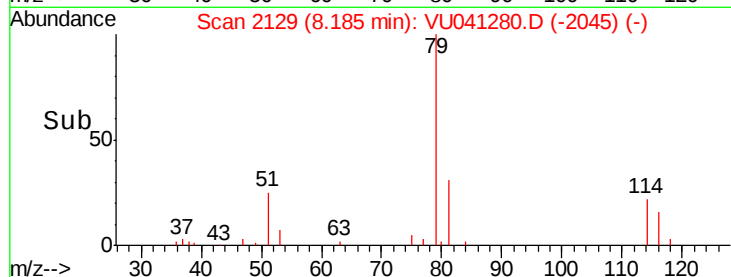
200

100

0

8.14 8.16 8.18 8.20 8.22

Time-->



#48

2-Hexanone

Concen: 0.462 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VU041280.D

Acq: 17 Nov 2020 14:49

Tgt Ion: 43 Resp: 1683

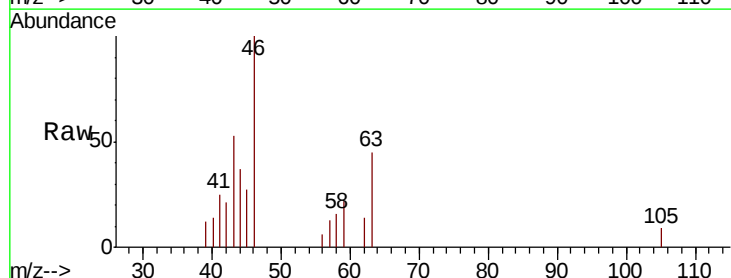
Ion Ratio Lower Upper

43 100

58 0.0 41.4 62.2#

57 10.1 14.6 21.8#

100 0.0 8.3 12.5#



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

8000

6000

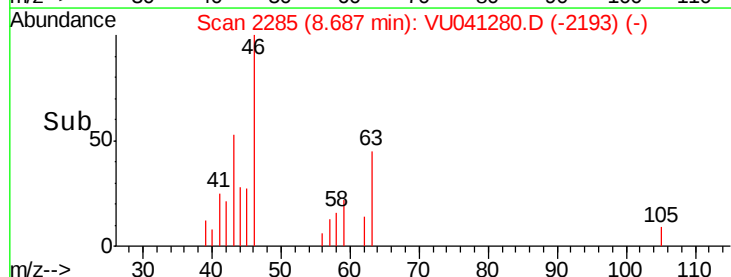
4000

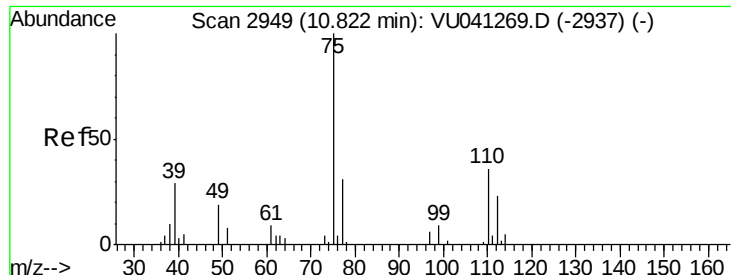
2000

0

8.65 8.70 8.75

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.898 ug/L

RT: 11.81 min Scan# 3257

Delta R.T. 0.99 min

Lab File: VU041280.D

Acq: 17 Nov 2020 14:49

Instrument :

MSVOA_U

ClientSampleId :

GB111

Tot Ion: 75 Resp: 4174

Ion Ratio Lower Upper

75 100

77 39.1 25.7 38.5#

