

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
 Data File : VU041811.D
 Acq On : 24 Dec 2020 17:05
 Operator : SY/MD
 Sample : L5185-11DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S7DL

Quant Time: Dec 25 03:48:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 25 03:47:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	130761	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127426	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53102	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37826	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	1.92	69	41731	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.57	63	59724	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.66	46	172655	58.80	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.60%
24) Chloroform-d	5.08	84	90115	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.72	65	50429	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.74	84	165971	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.70	67	59860	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.90	98	133580	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	8.19	79	22460	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.64	63	143108	50.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50616	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	47163	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	859	0.080 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	460	0.051 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	618	0.070 ug/L #	1
16) Methylene chloride	3.06	84	2011	0.190 ug/L	93
19) 1,1-Dichloroethane	3.89	63	1444	0.084 ug/L	86
25) Chloroform	5.10	83	1088	0.063 ug/L	98
34) Trichloroethene	6.55	95	80824	7.893 ug/L	96
35) Methylcyclohexane	6.70	83	13535	0.818 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	6293	0.604 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1311	0.085 ug/L #	82
44) trans-1,3-Dichloropropene	8.19	75	868	0.063 ug/L #	76
47) Tetrachloroethene	8.56	164	1067	0.149 ug/L	86
48) 2-Hexanone	8.64	43	15498	2.871 ug/L #	63
49) Dibromochloromethane	8.56	129	818	0.092 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6199	0.792 ug/L	96

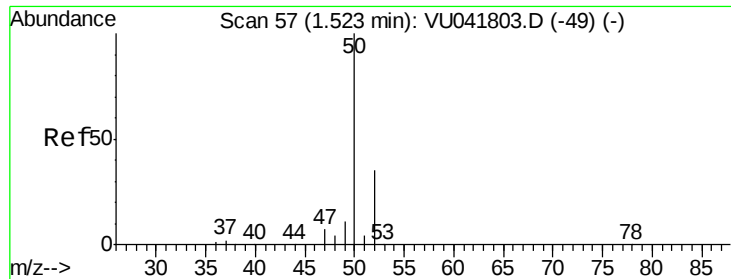
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122520\
Data File : VU041811.D
Acq On : 24 Dec 2020 17:05
Operator : SY/MD
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Quant Time: Dec 25 03:48:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 25 03:47:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

Instrument :

MSVOA_U

ClientSampleId :

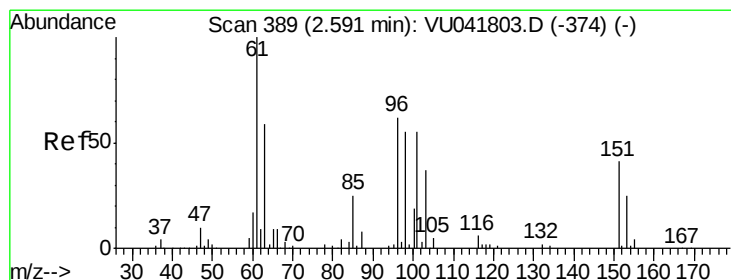
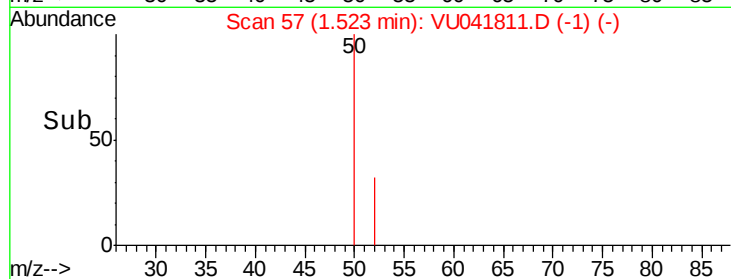
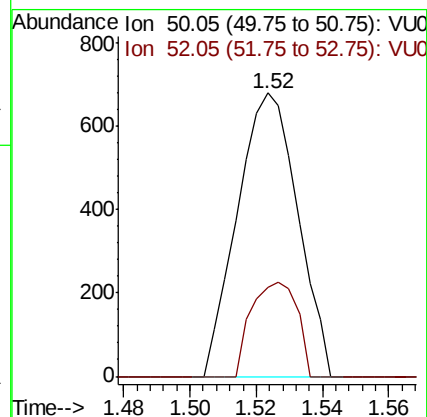
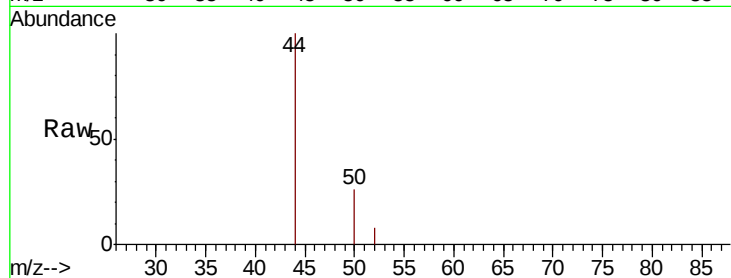
BG4S7DL

Tot Ion: 50 Resp: 859

Ion Ratio Lower Upper

50 100

52 31.5 24.1 44.8



#10

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

Concen: 0.051 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

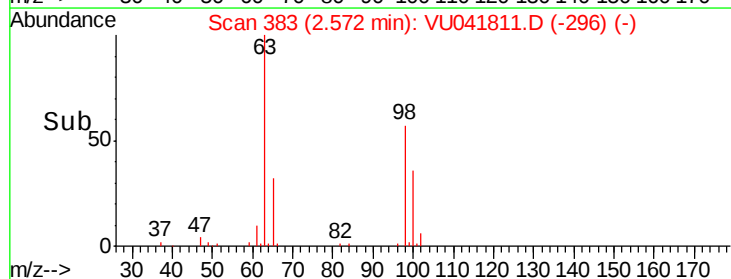
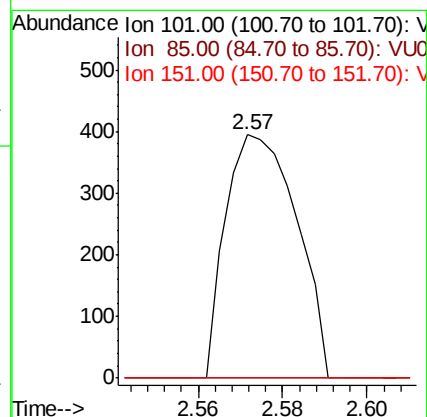
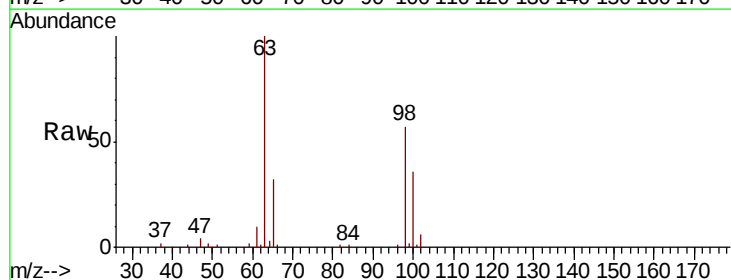
Tgt Ion: 101 Resp: 460

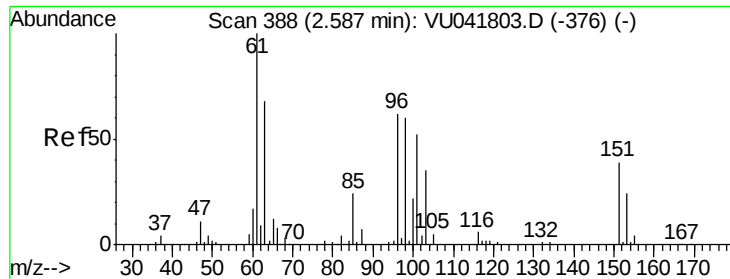
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#





#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.00 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

Instrument :

MSVOA_U

ClientSampleId :

BG4S7DL

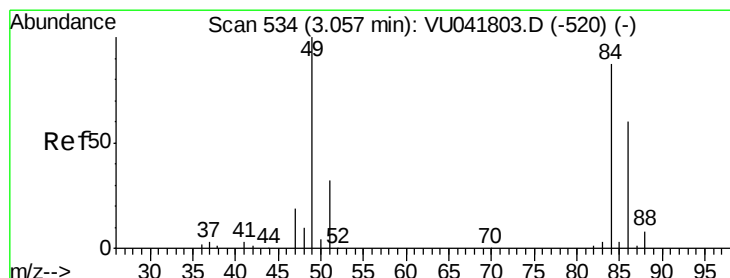
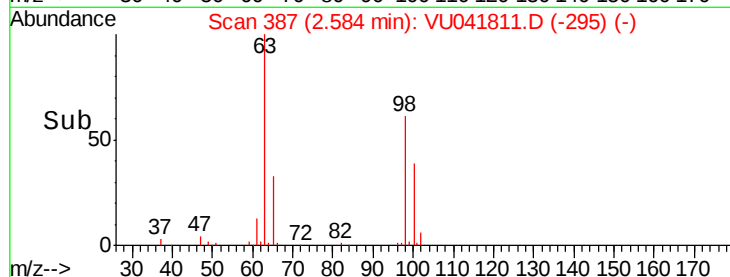
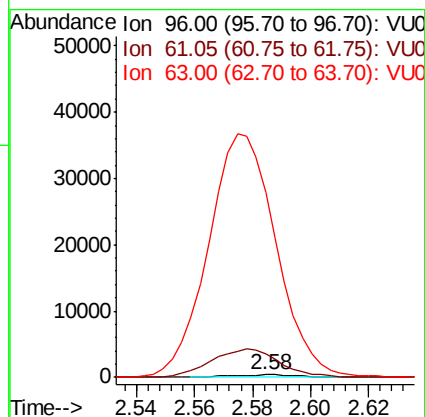
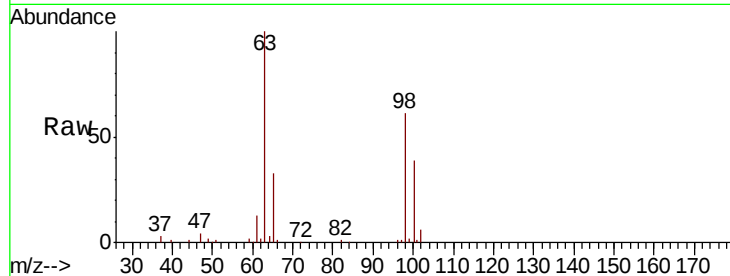
Tot Ion: 96 Resp: 618

Ion Ratio Lower Upper

96 100

61 957.0 123.8 230.0#

63 7471.7 81.0 150.4#



#16

Methylene chloride

Concen: 0.190 ug/L

RT: 3.06 min Scan# 534

Delta R.T. 0.00 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

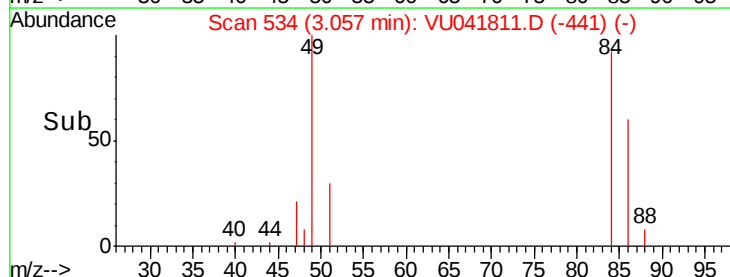
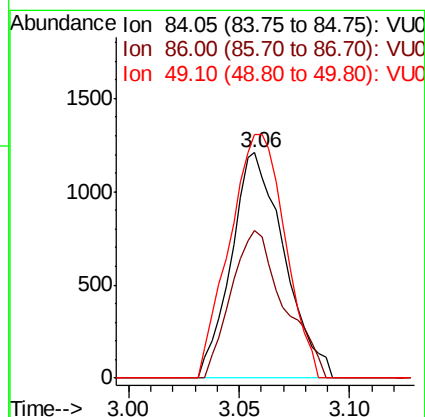
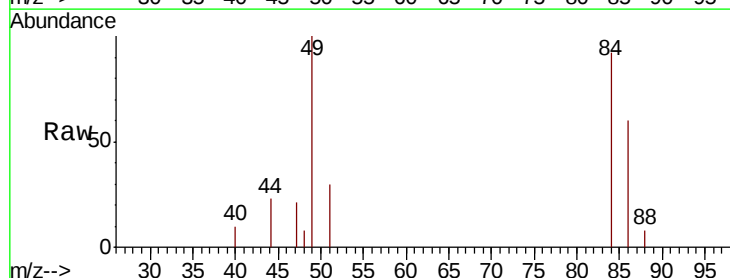
Tgt Ion: 84 Resp: 2011

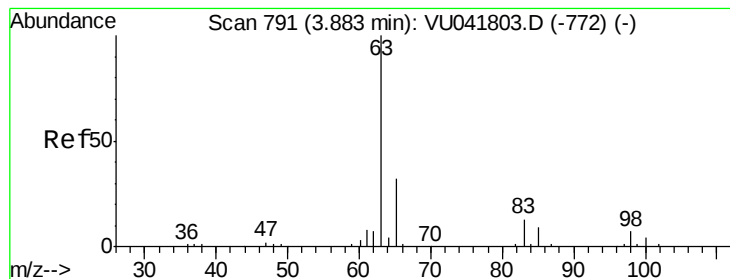
Ion Ratio Lower Upper

84 100

86 65.4 45.1 83.7

49 108.1 83.1 154.3





#19

1,1-Dichloroethane

Concen: 0.084 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

Instrument :

MSVOA_U

ClientSampleId :

BG4S7DL

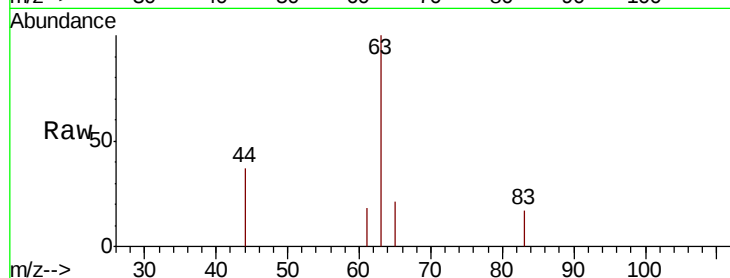
Tot Ion: 63 Resp: 1444

Ion Ratio Lower Upper

63 100

65 21.4 21.3 39.6

83 16.9 9.3 17.3

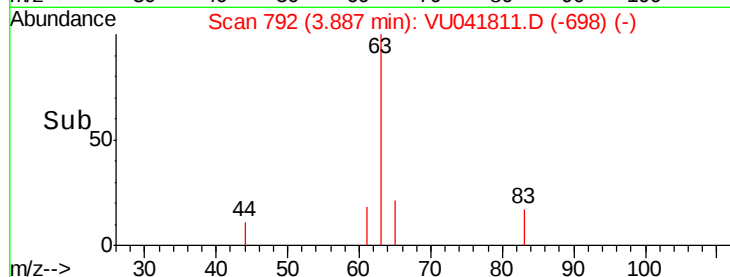


Abundance Ion 63.10 (62.80 to 63.80): VU041811.D (-698) (-)

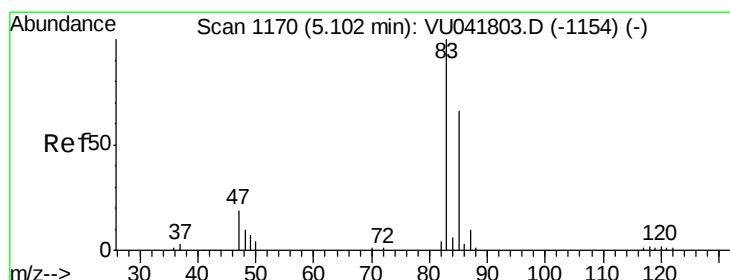
Ion 65.10 (64.80 to 65.80): VU041811.D (-698) (-)

Ion 83.05 (82.75 to 83.75): VU041811.D (-698) (-)

Time-->



Time-->



#25

Chloroform

Concen: 0.063 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VU041811.D

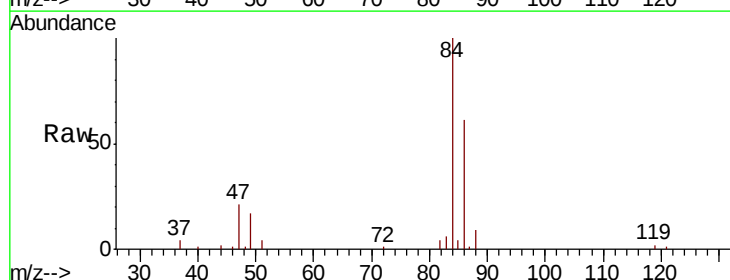
Acq: 24 Dec 2020 17:05

Tgt Ion: 83 Resp: 1088

Ion Ratio Lower Upper

83 100

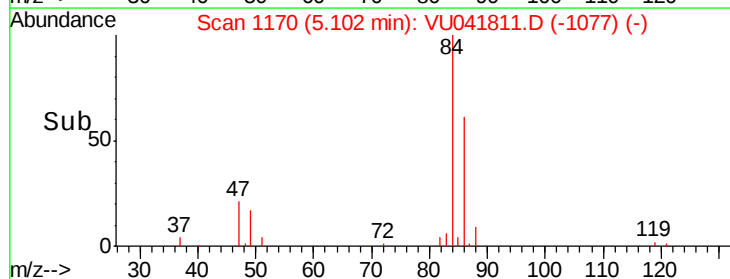
85 61.2 44.2 82.0



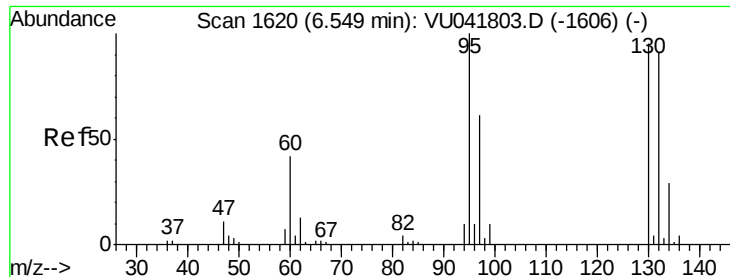
Abundance Ion 83.05 (82.75 to 83.75): VU041811.D (-1077) (-)

Ion 85.00 (84.70 to 85.70): VU041811.D (-1077) (-)

Time-->



Time-->



#34

Trichloroethene

Concen: 7.893 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

Instrument :

MSVOA_U

ClientSampleId :

BG4S7DL

Tot Ion: 95 Resp: 80824

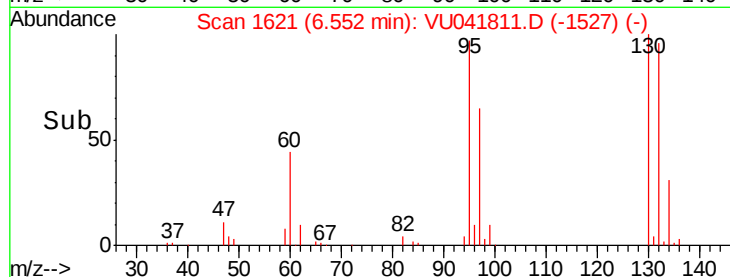
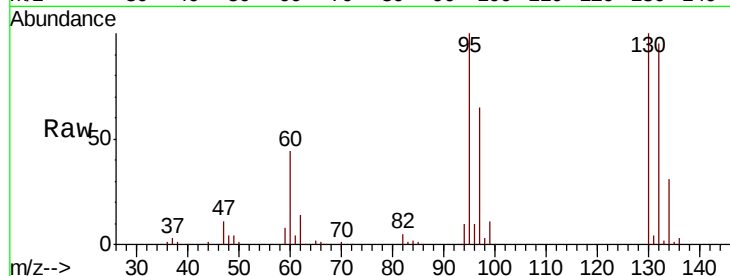
Ion Ratio Lower Upper

95 100

97 64.7 43.9 81.5

132 95.3 63.1 117.3

130 99.6 67.4 125.2



Abundance Ion 95.00 (94.70 to 95.70): VU041811.D (-1527) (-)

Ion 96.95 (96.65 to 97.65): VU041811.D (-1527) (-)

Ion 131.95 (131.65 to 132.65): VU041811.D (-1527) (-)

Ion 129.95 (129.65 to 130.65): VU041811.D (-1527) (-)

Time-->

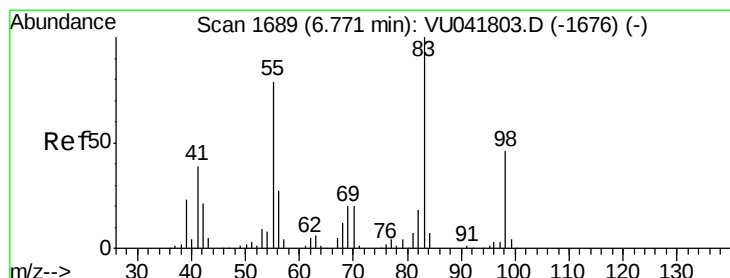
6.55

40000

20000

0

6.50 6.55 6.60 6.65



#35

Methylcyclohexane

Concen: 0.818 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

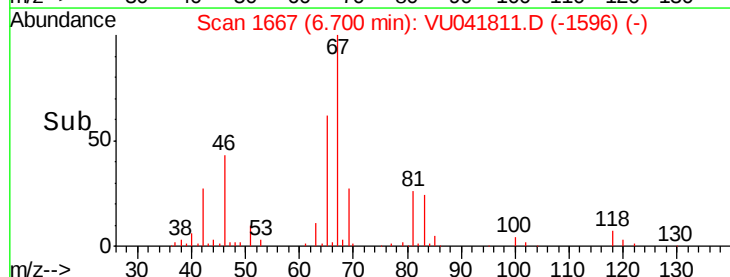
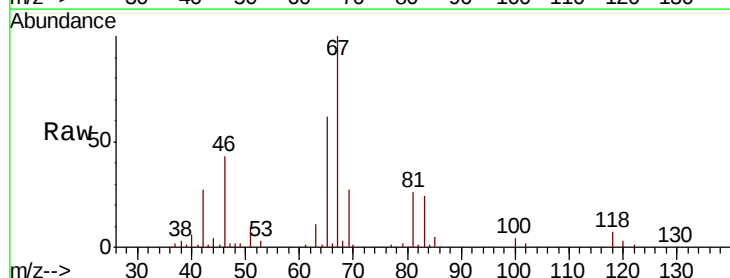
Tgt Ion: 83 Resp: 13535

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 0.0 36.6 54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU041811.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU041811.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU041811.D (-1596) (-)

Time-->

6.70

10000

8000

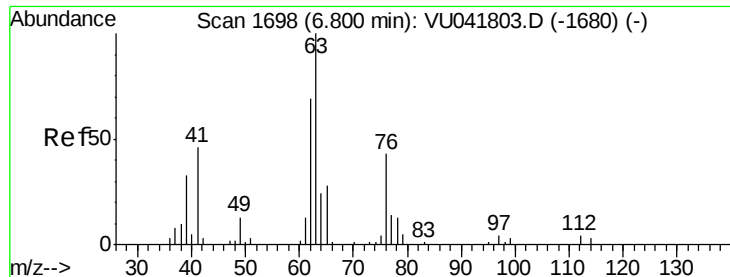
6000

4000

2000

0

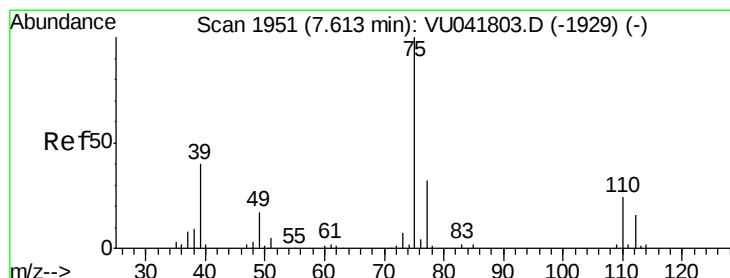
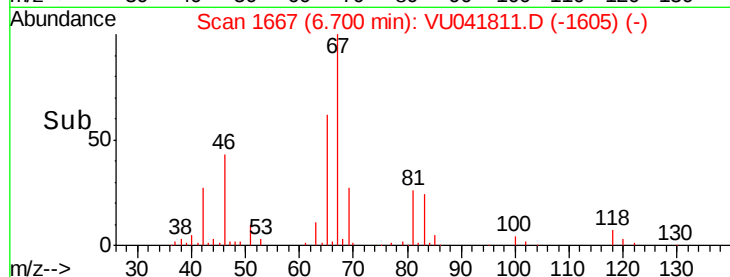
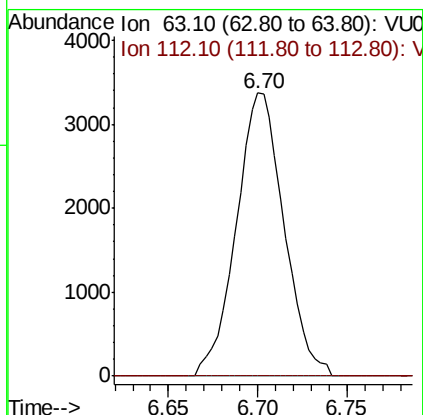
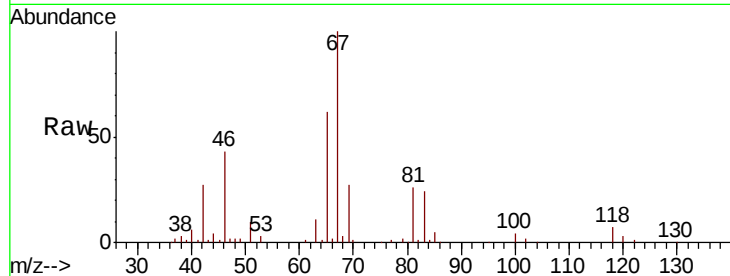
6.65 6.70 6.75



#37
 1,2-Dichloropropane
 Concen: 0.604 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041811.D
 Acq: 24 Dec 2020 17:05

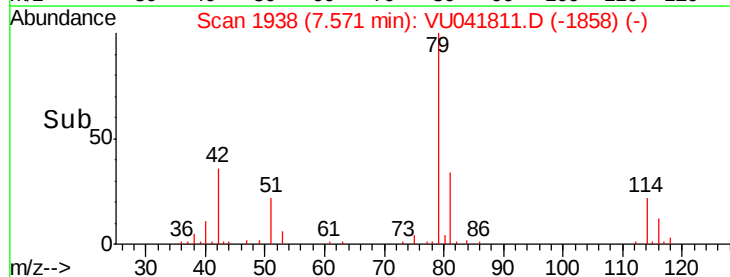
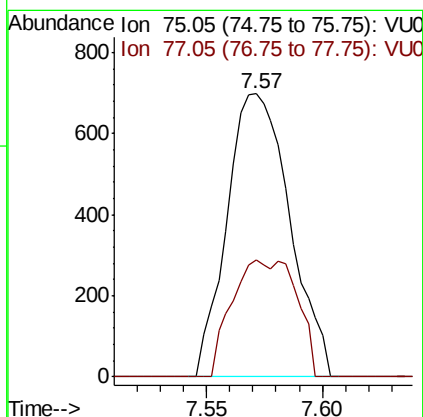
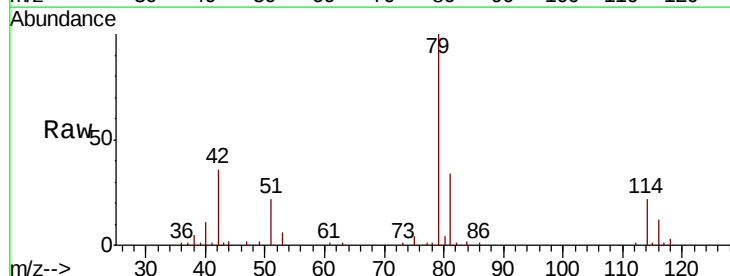
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S7DL

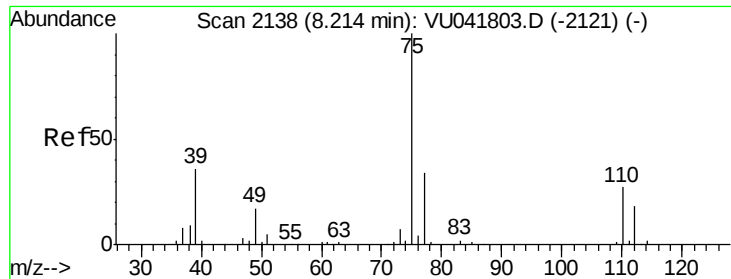
Tot Ion: 63 Resp: 6293
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041811.D
 Acq: 24 Dec 2020 17:05

Tgt Ion: 75 Resp: 1311
 Ion Ratio Lower Upper
 75 100
 77 41.5 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.063 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

Instrument :

MSVOA_U

ClientSampleId :

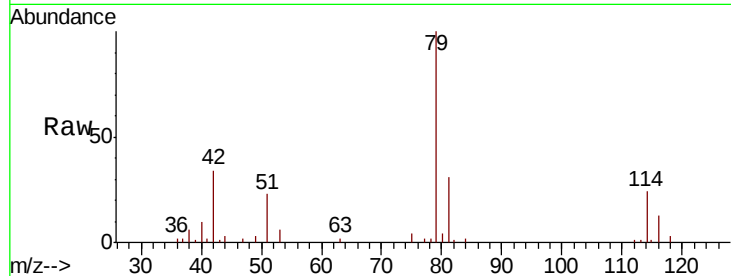
BG4S7DL

Tot Ion: 75 Resp: 868

Ion Ratio Lower Upper

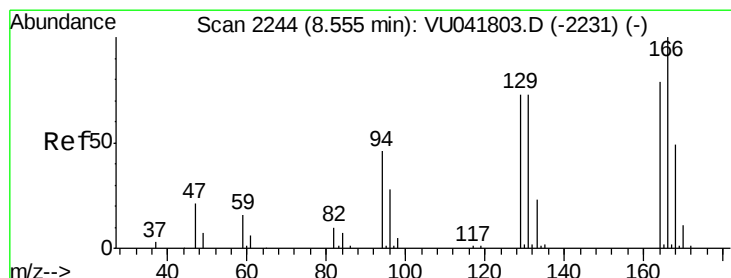
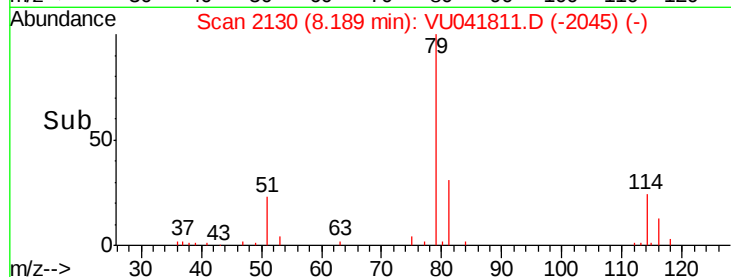
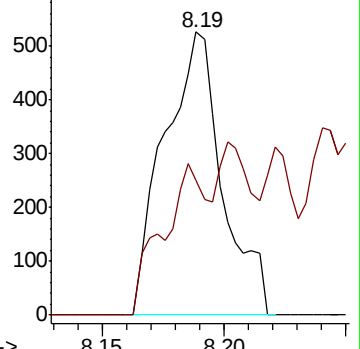
75 100

77 47.7 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.149 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

Tgt Ion:164 Resp: 1067

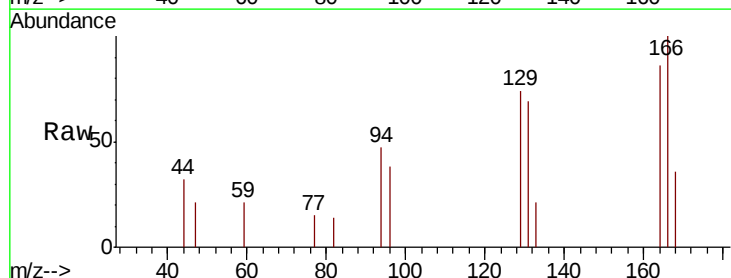
Ion Ratio Lower Upper

164 100

129 85.8 72.2 134.0

131 80.3 66.9 124.3

166 116.3 89.6 166.4

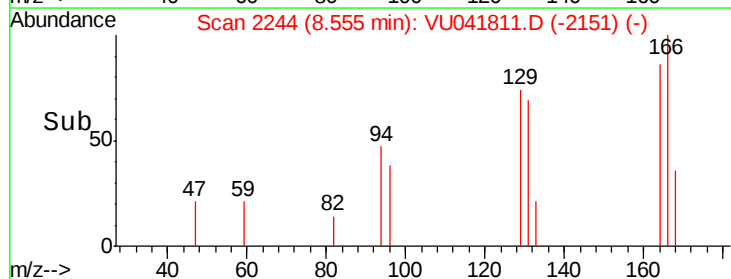
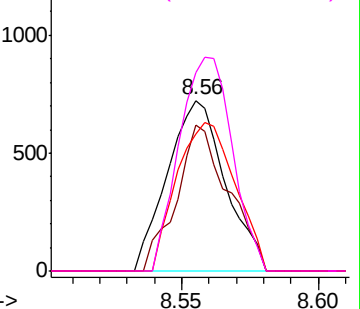


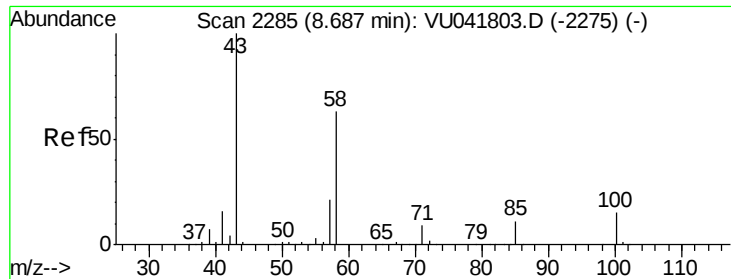
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

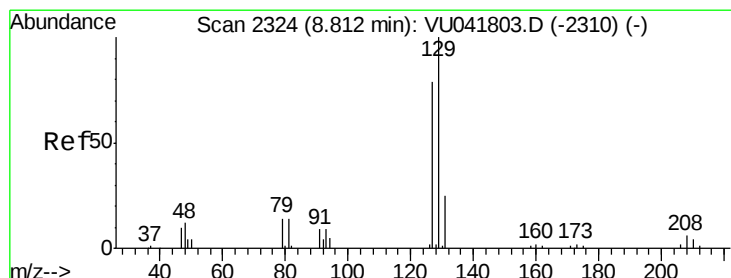
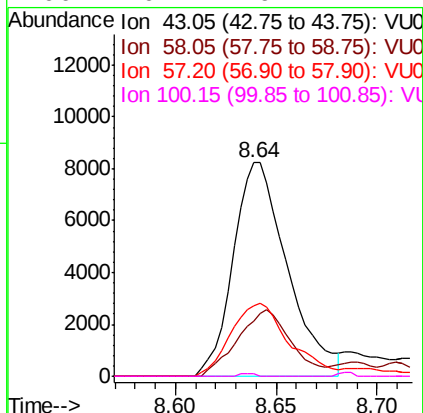
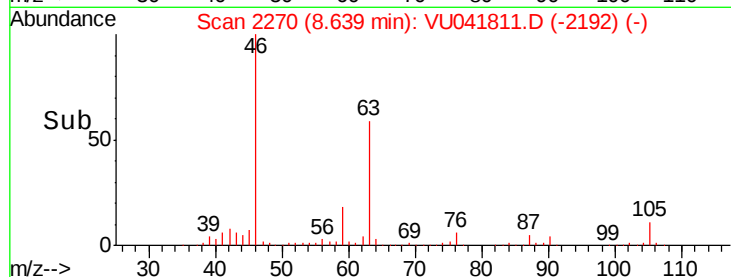
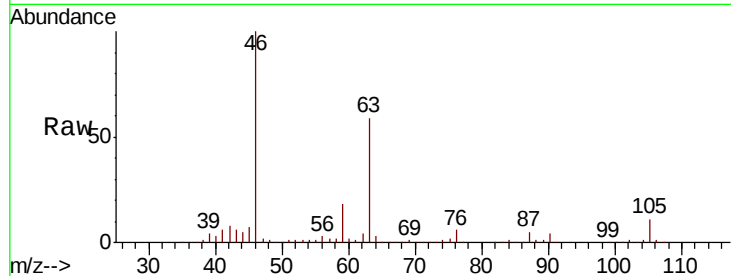




#48
2-Hexanone
Concen: 2.871 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041811.D
Acq: 24 Dec 2020 17:05

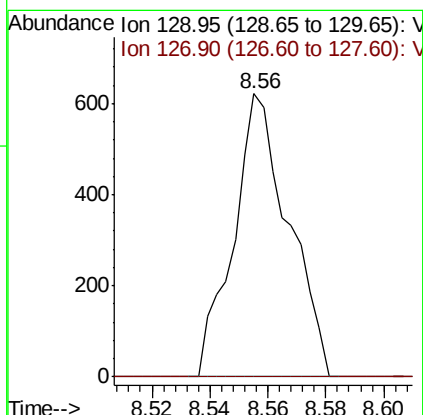
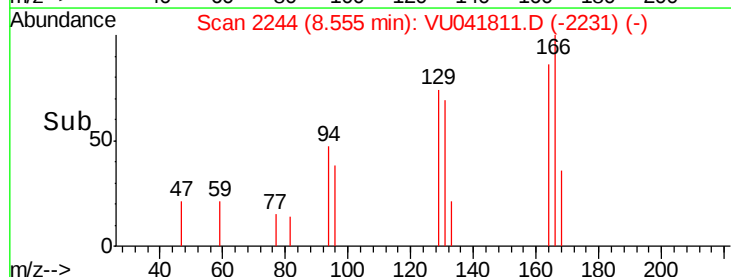
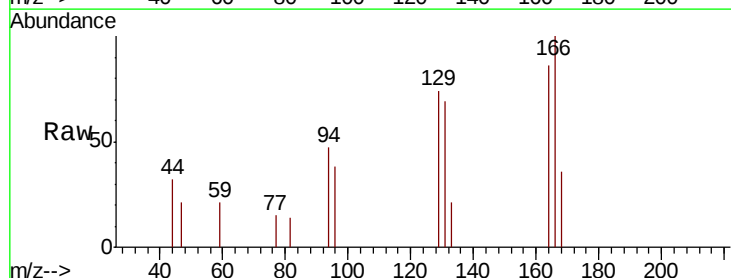
Instrument :
MSVOA_U
ClientSampleId :
BG4S7DL

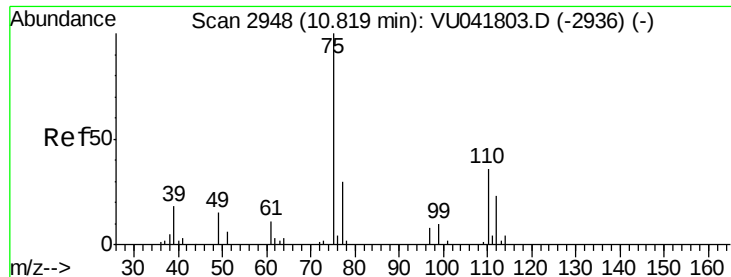
Tot Ion	Ratio	Lower	Upper
43	100		
58	30.3	47.9	71.9#
57	36.5	16.5	24.7#
100	0.4	9.4	14.2#



#49
Dibromochloromethane
Concen: 0.092 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041811.D
Acq: 24 Dec 2020 17:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#





#59

1,2,3-Trichloropropane

Concen: 0.792 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041811.D

Acq: 24 Dec 2020 17:05

Instrument :

MSVOA_U

ClientSampleId :

BG4S7DL

Tot Ion: 75 Resp: 6199

Ion Ratio Lower Upper

75 100

77 30.3 26.2 39.2

