

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
 Data File : VU041809.D
 Acq On : 24 Dec 2020 16:17
 Operator : SY/MD
 Sample : L5185-09DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S1DL

Quant Time: Dec 25 03:48:21 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	124906	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120861	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54484	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36881	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.92	69	42023	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.58	63	59275	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.66	46	164408	58.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.22%
24) Chloroform-d	5.08	84	90400	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.72	65	49173	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	160219	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	49527	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.91	98	120379	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	8.19	79	19397	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.64	63	121236	45.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48037	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	49366	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	656	0.064 ug/L #	76
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	500	0.058 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	686	0.081 ug/L #	1
16) Methylene chloride	3.06	84	2415	0.239 ug/L	90
19) 1,1-Dichloroethane	3.90	63	1558	0.095 ug/L #	85
22) cis-1,2-Dichloroethene	4.69	96	826	0.085 ug/L	94
25) Chloroform	5.10	83	917	0.056 ug/L	85
34) Trichloroethene	6.56	95	71439	7.355 ug/L	93
35) Methylcyclohexane	6.70	83	11680	0.744 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5338	0.540 ug/L #	88
44) trans-1,3-Dichloropropene	8.19	75	820	0.063 ug/L #	51
47) Tetrachloroethene	8.56	164	873	0.128 ug/L	89
48) 2-Hexanone	8.64	43	12799	2.500 ug/L #	65
49) Dibromochloromethane	8.56	129	977	0.116 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5564	0.749 ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 25 03:47:04 2020
Response via : Initial Calibration

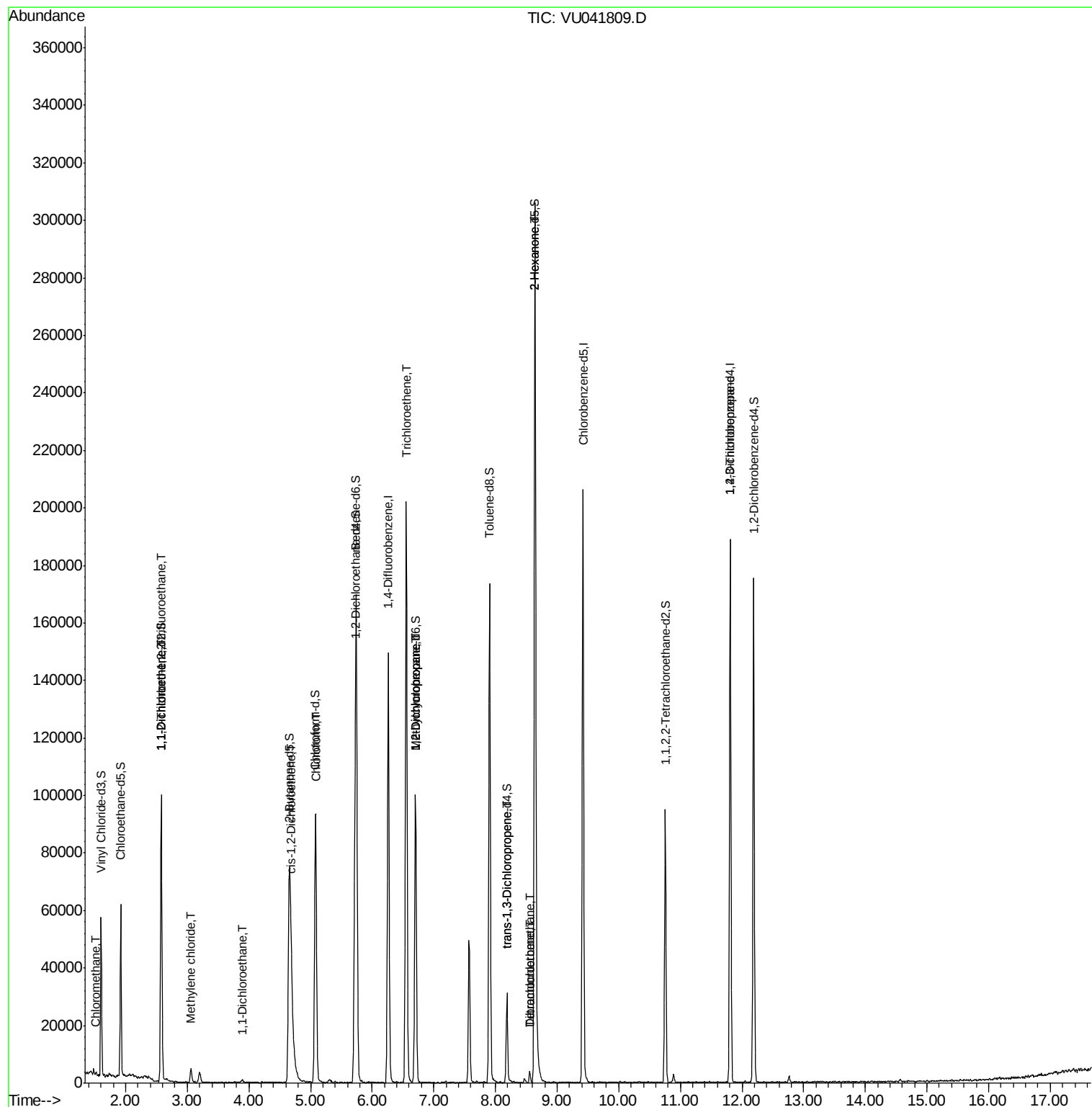
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

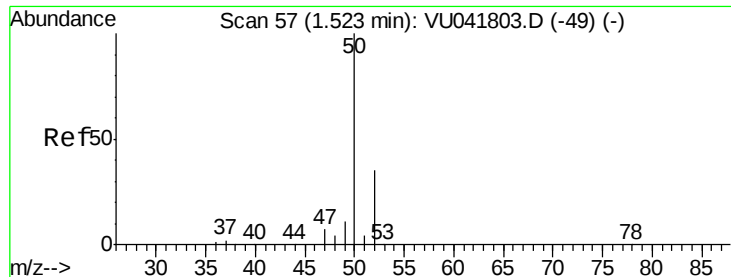
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.064 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041809.D

Acq: 24 Dec 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

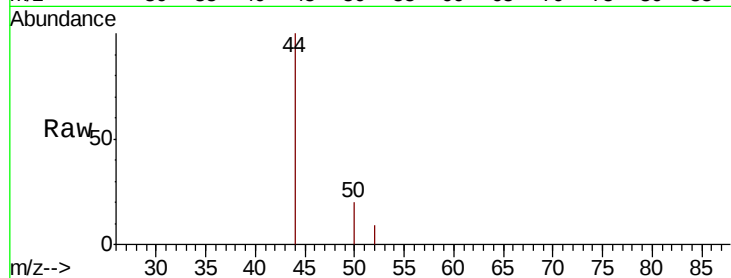
BG4S1DL

Tot Ion: 50 Resp: 656

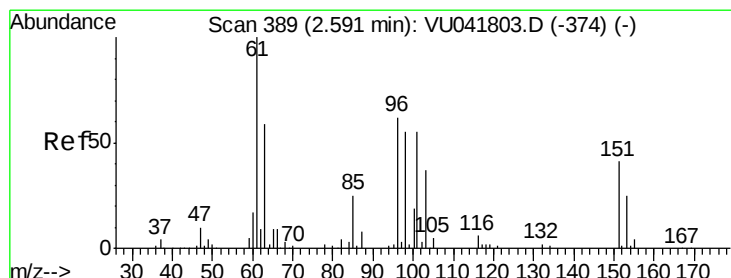
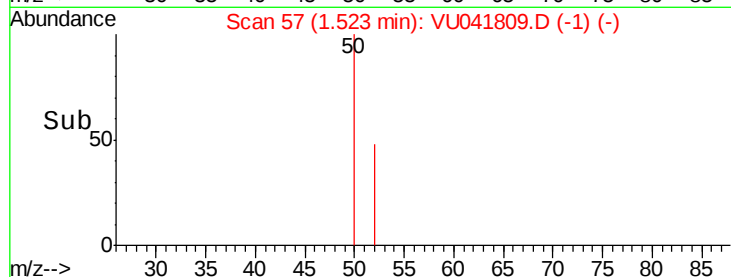
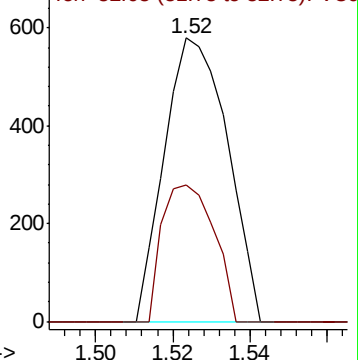
Ion Ratio Lower Upper

50 100

52 48.2 24.1 44.8#



Abundance Ion 50.05 (49.75 to 50.75): VU041809.D (-1) (-)



#10

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

Concen: 0.058 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041809.D

Acq: 24 Dec 2020 16:17

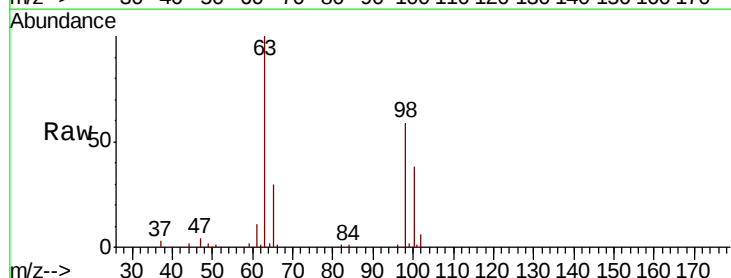
Tgt Ion:101 Resp: 500

Ion Ratio Lower Upper

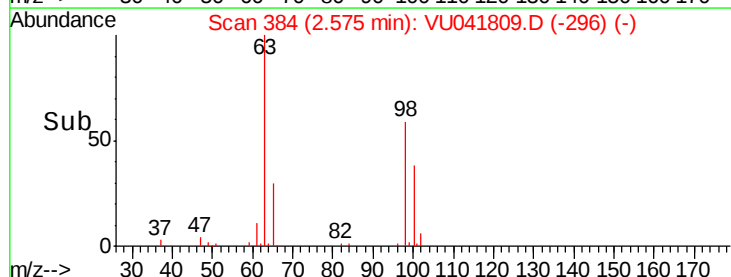
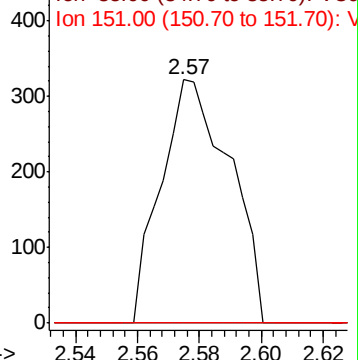
101 100

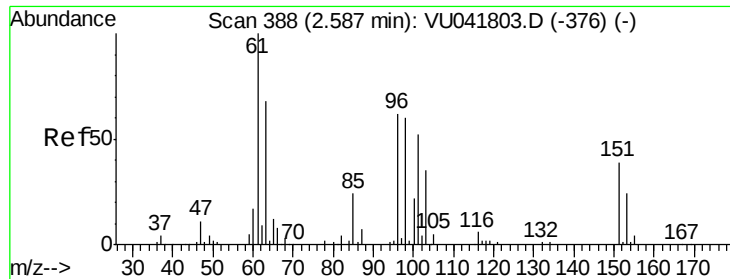
85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



Abundance Ion 101.00 (100.70 to 101.70): VU041809.D (-296) (-)





#12

1,1-Dichloroethene

Concen: 0.081 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041809.D

Acq: 24 Dec 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

BG4S1DL

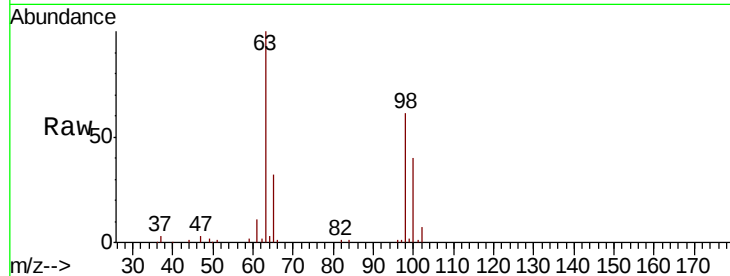
Tot Ion: 96 Resp: 686

Ion Ratio Lower Upper

96 100

61 845.2 123.8 230.0#

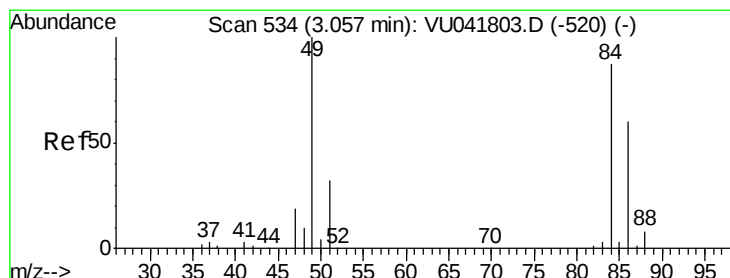
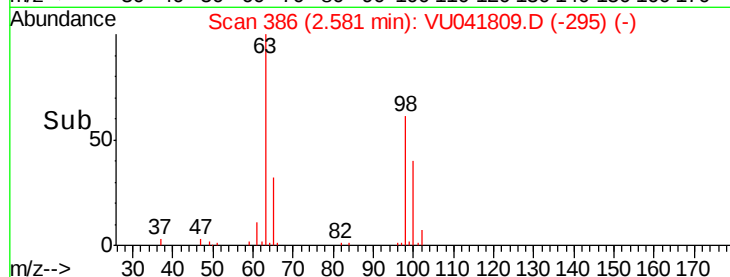
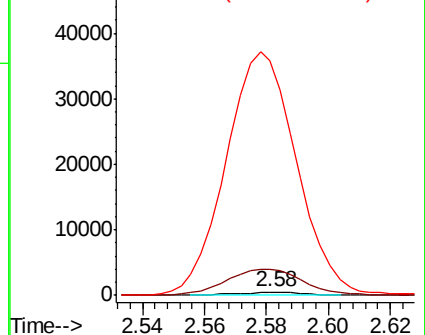
63 7772.2 81.0 150.4#



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



#16

Methylene chloride

Concen: 0.239 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041809.D

Acq: 24 Dec 2020 16:17

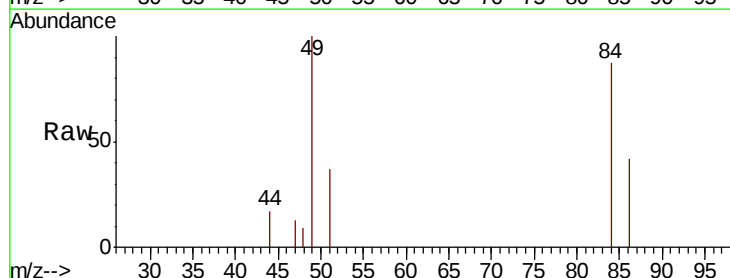
Tgt Ion: 84 Resp: 2415

Ion Ratio Lower Upper

84 100

86 47.9 45.1 83.7

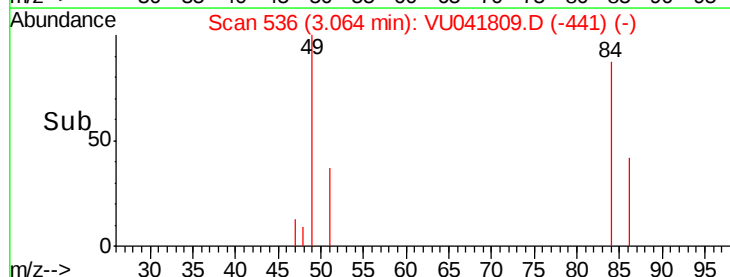
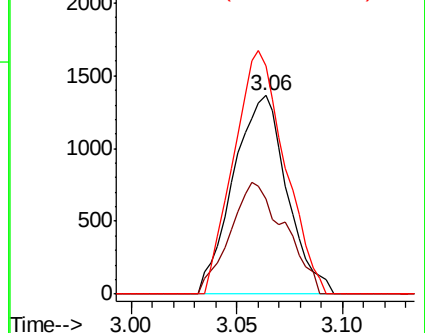
49 114.8 83.1 154.3

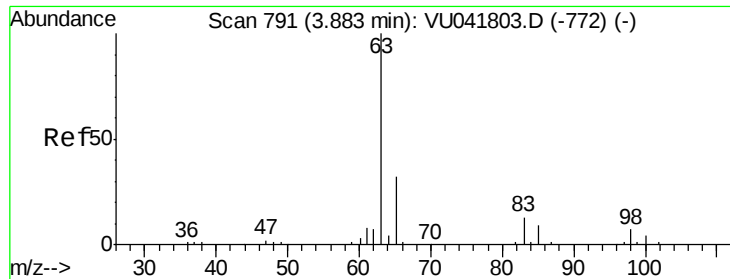


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

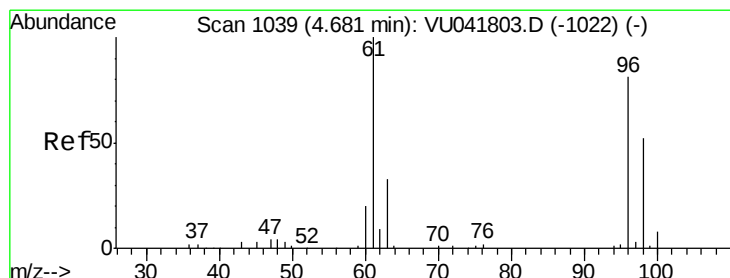
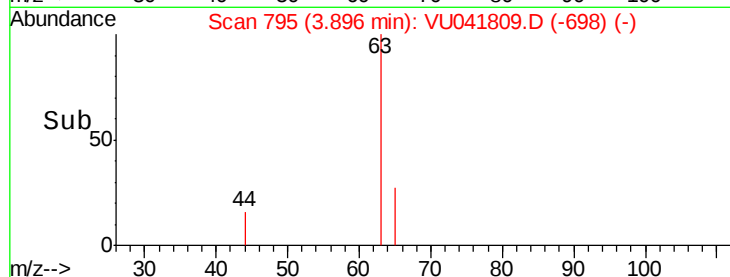
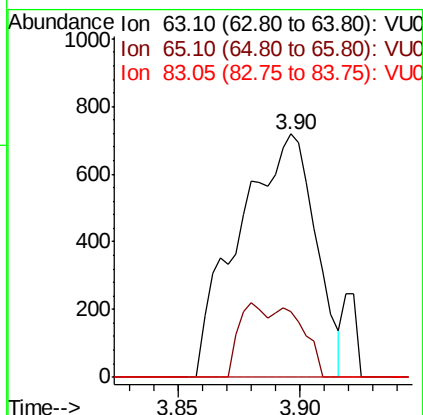
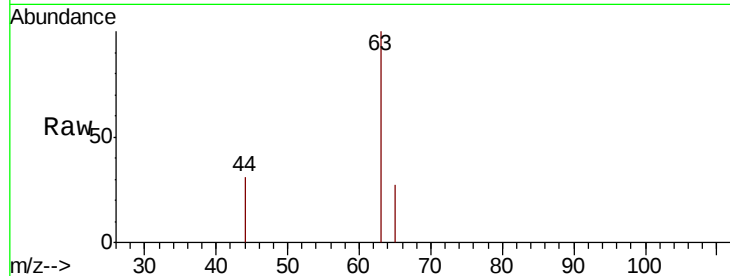




#19
 1,1-Dichloroethane
 Concen: 0.095 ug/L
 RT: 3.90 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VU041809.D
 Acq: 24 Dec 2020 16:17

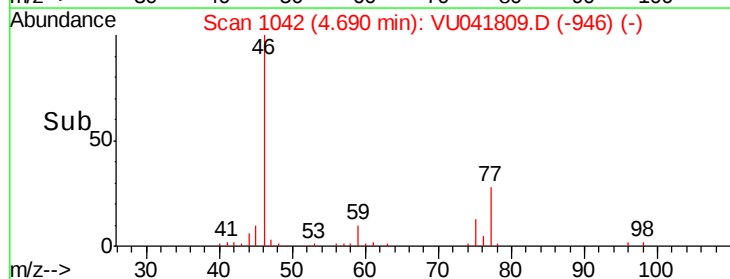
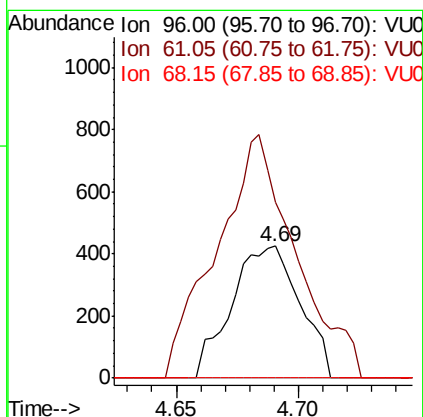
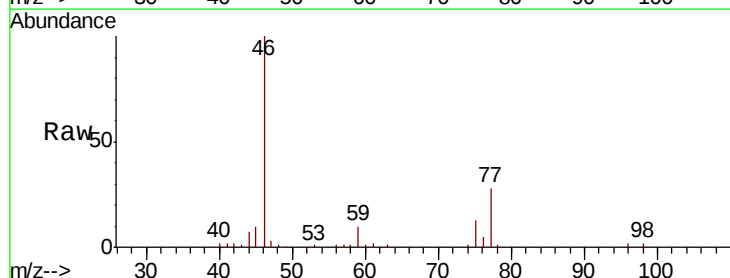
Instrument :
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 ClientSampleId :
 BG4S1DL

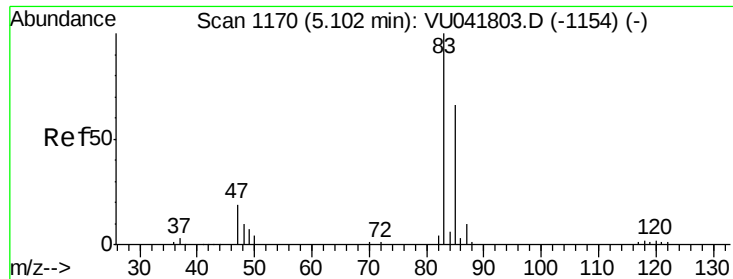
Tot Ion: 63 Resp: 1558
 Ion Ratio Lower Upper
 63 100
 65 27.0 21.3 39.6
 83 0.0 9.3 17.3#



#22
 cis-1,2-Dichloroethene
 Concen: 0.085 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU041809.D
 Acq: 24 Dec 2020 16:17

Tgt Ion: 96 Resp: 826
 Ion Ratio Lower Upper
 96 100
 61 133.3 88.8 165.0
 68 0.0 0.0 0.0

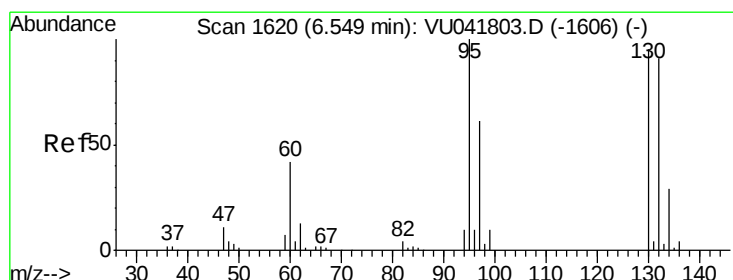
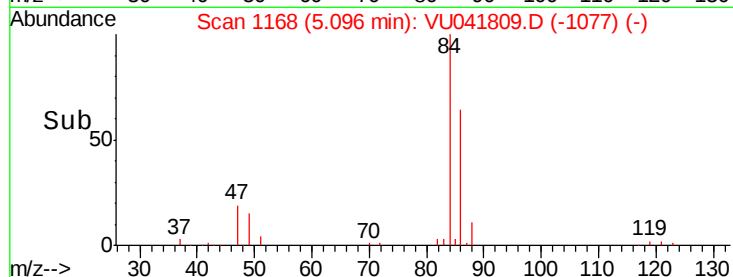
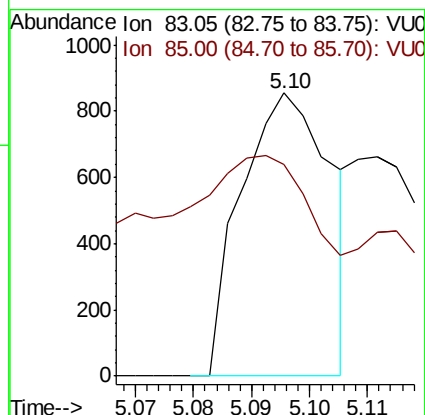
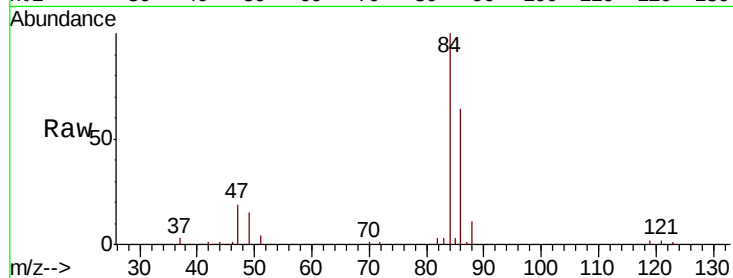




#25
Chloroform
Concen: 0.056 ug/L
RT: 5.10 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VU041809.D
Acq: 24 Dec 2020 16:17

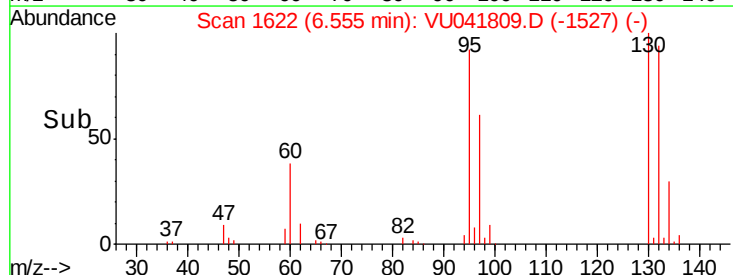
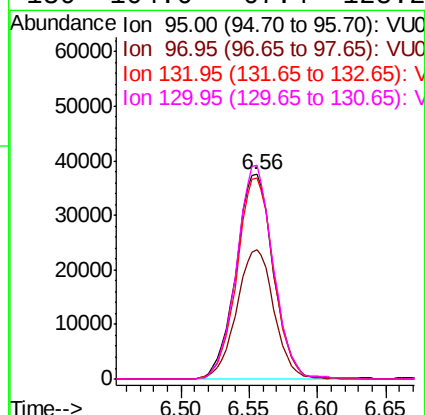
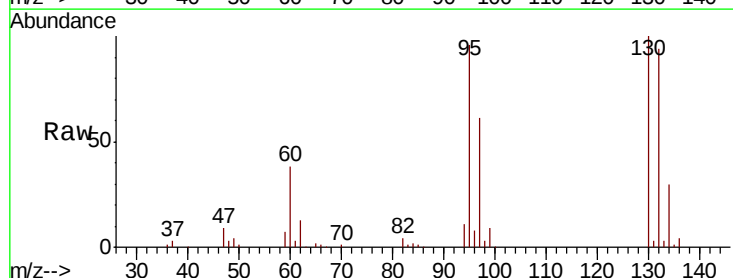
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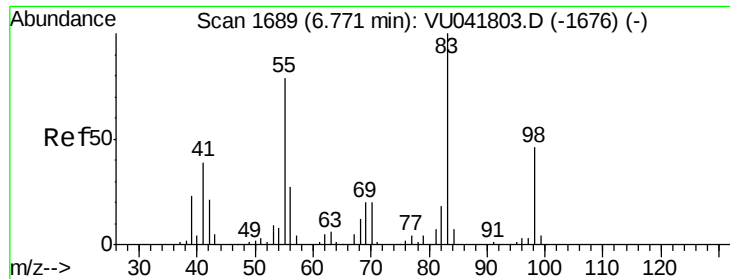
Tot Ion: 83 Resp: 917
Ion Ratio Lower Upper
83 100
85 75.0 44.2 82.0



#34
Trichloroethene
Concen: 7.355 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VU041809.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 95 Resp: 71439
Ion Ratio Lower Upper
95 100
97 63.3 43.9 81.5
132 98.4 63.1 117.3
130 104.6 67.4 125.2

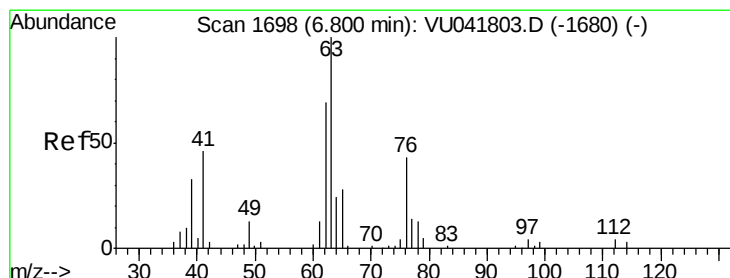
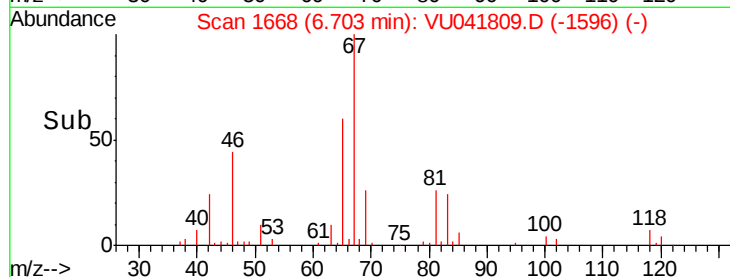
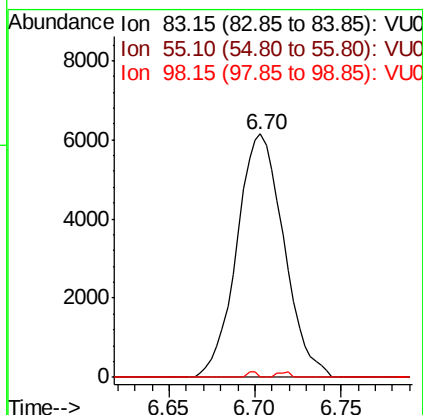
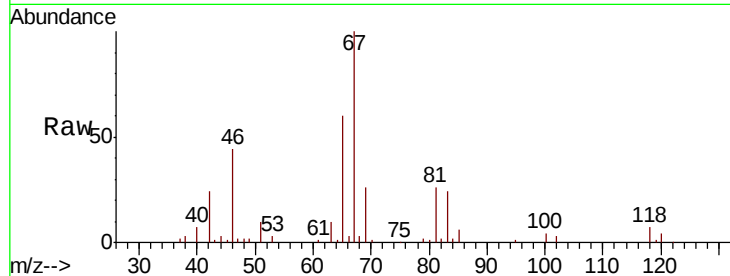




#35
Methvlcvclohexane
Concen: 0.744 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041809.D
Acq: 24 Dec 2020 16:17

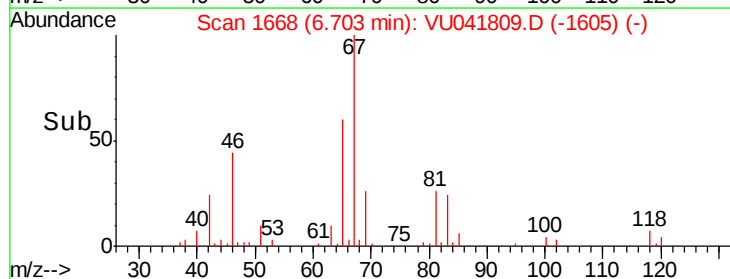
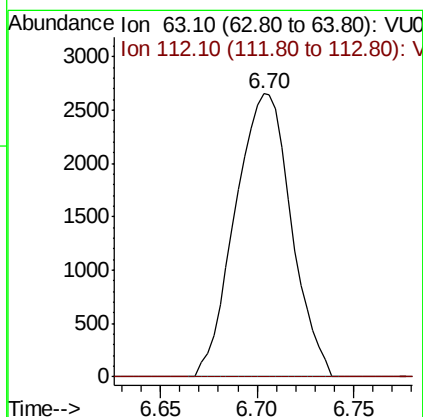
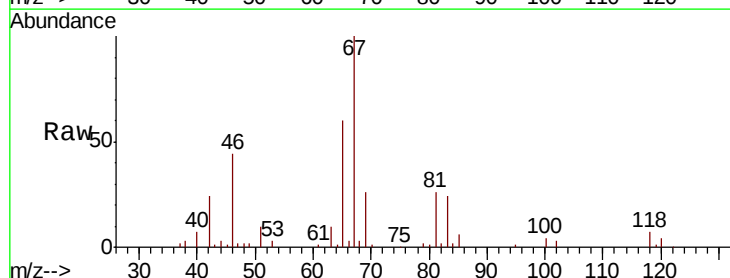
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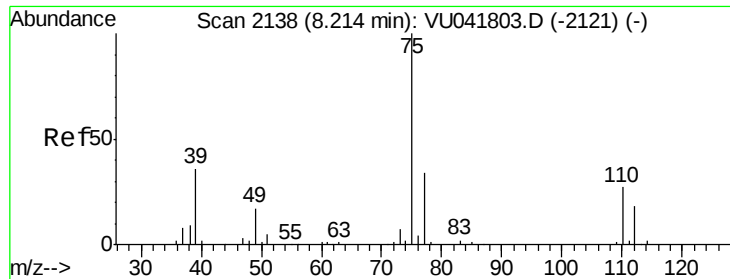
Tot Ion	83.15	Resp	11680
Ion Ratio	Lower	Upper	
83	100		
55	0.0	61.2	91.8#
98	0.6	36.6	54.8#



#37
1,2-Dichloropropane
Concen: 0.540 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041809.D
Acq: 24 Dec 2020 16:17

Tgt Ion	63	Resp	5338
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.1	4.7#

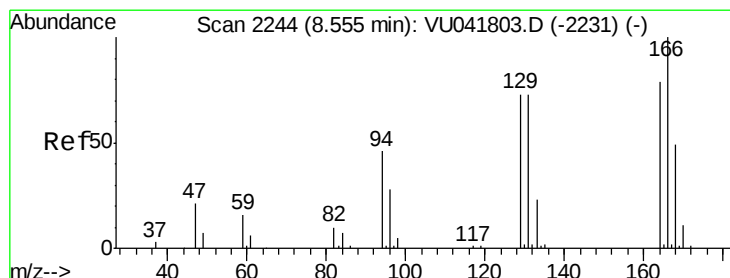
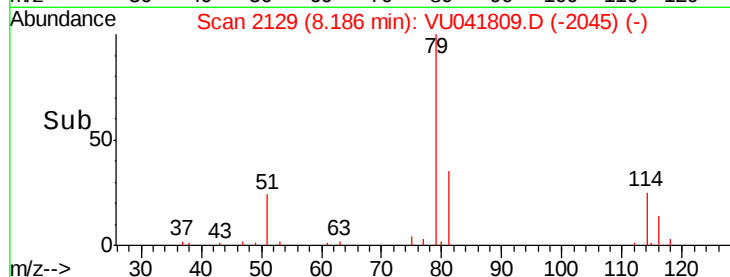
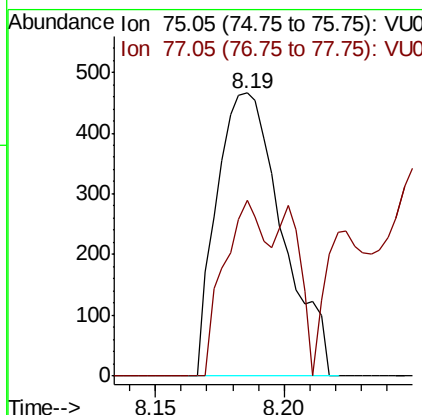
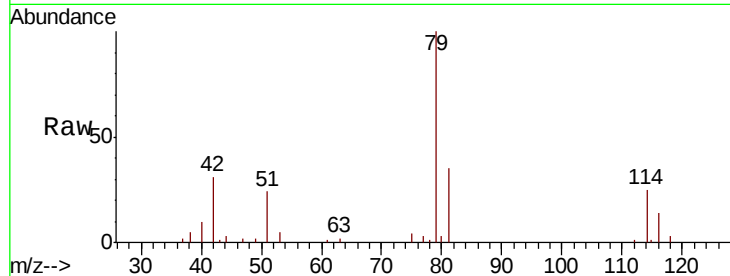




#44
trans-1,3-Dichloropropene
Concen: 0.063 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041809.D
Acq: 24 Dec 2020 16:17

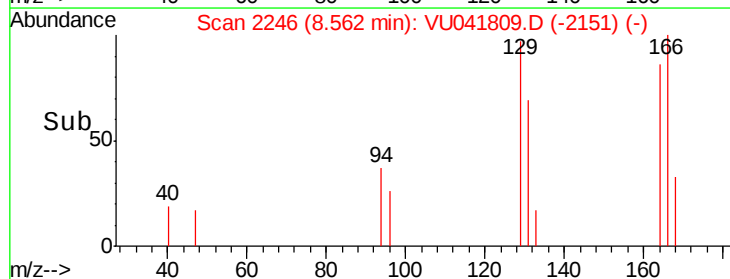
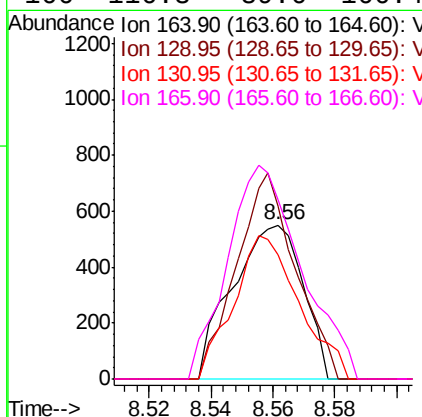
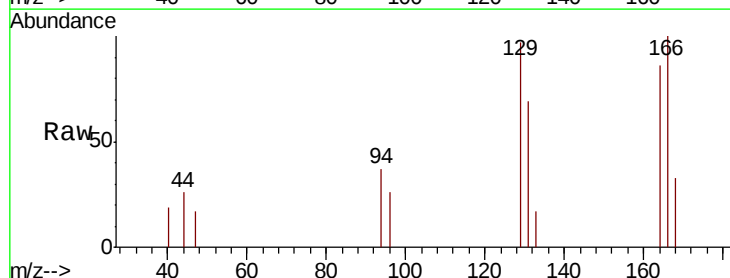
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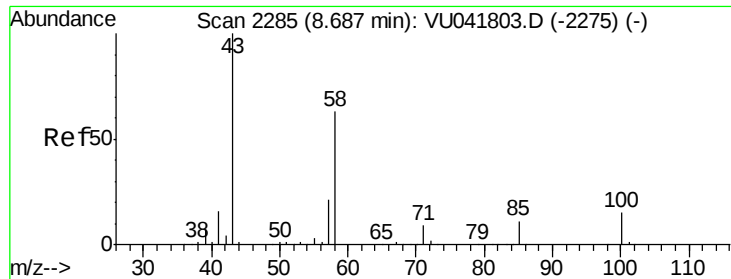
Tot Ion: 75 Resp: 820
Ion Ratio Lower Upper
75 100
77 62.2 23.8 44.2#



#47
Tetrachloroethene
Concen: 0.128 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VU041809.D
Acq: 24 Dec 2020 16:17

Tgt Ion:164 Resp: 873
Ion Ratio Lower Upper
164 100
129 112.5 72.2 134.0
131 80.8 66.9 124.3
166 116.3 89.6 166.4

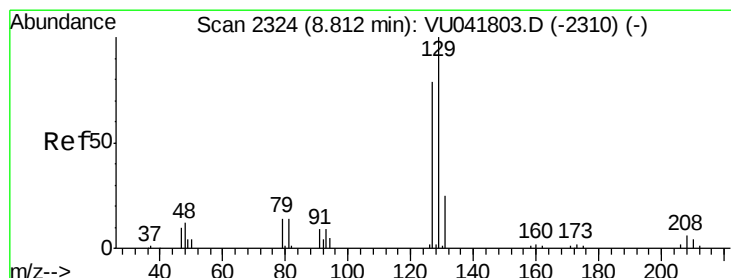
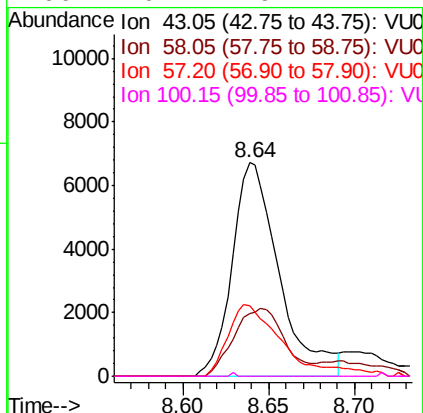
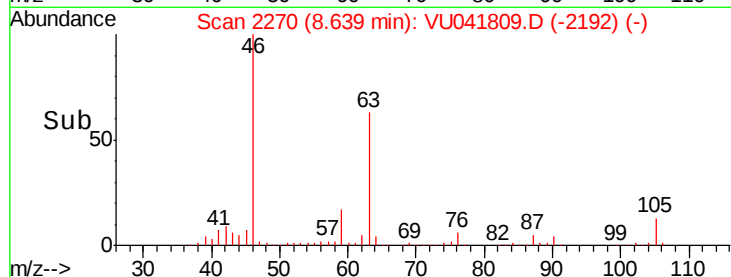
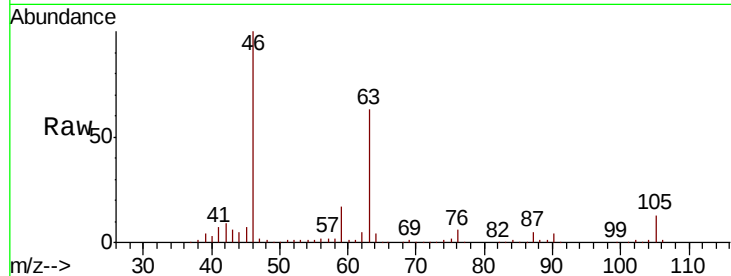




#48
2-Hexanone
Concen: 2.500 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041809.D
Acq: 24 Dec 2020 16:17

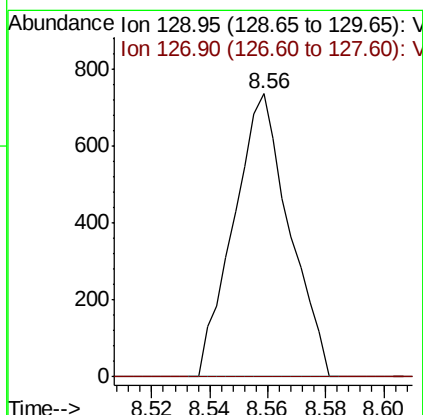
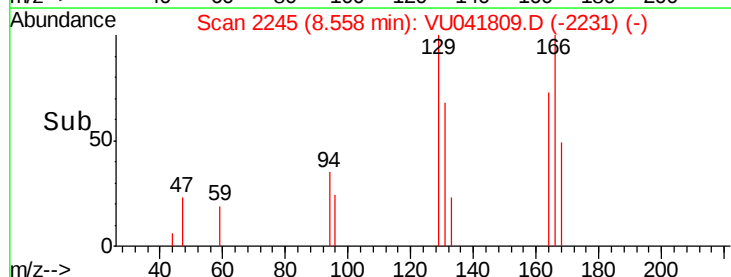
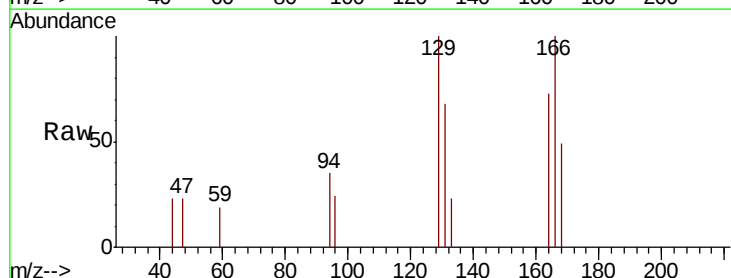
Instrument :
MSVOA_U
ClientSampleId :
BG4S1DL

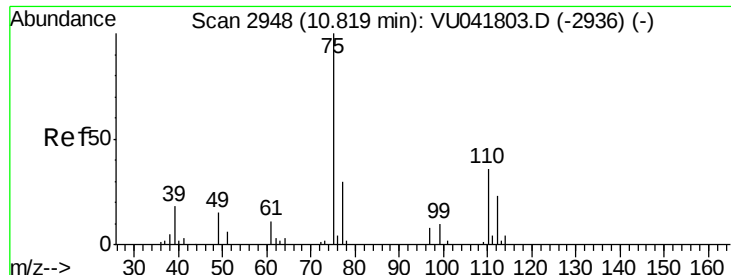
Tot Ion: 43 Resp: 12799
Ion Ratio Lower Upper
43 100
58 33.8 47.9 71.9#
57 38.9 16.5 24.7#
100 0.2 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.116 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041809.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 129 Resp: 977
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.749 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041809.D

Acq: 24 Dec 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

BG4S1DL

Tot Ion: 75 Resp: 5564

Ion Ratio Lower Upper

75 100

77 35.4 26.2 39.2

