

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041616.D
 Acq On : 14 Dec 2020 17:26
 Operator : SY/MD
 Sample : L5027-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1J5

Quant Time: Dec 15 00:49:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120016	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117977	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52857	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30758	3.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.60%
7) Chloroethane-d5	1.92	69	30317	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.58	63	53112	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.66	46	148903	55.25	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.50%
24) Chloroform-d	5.08	84	78479	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	44746	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.74	84	158918	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	50947	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.91	98	130482	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	20877	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.64	63	112873	43.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48408	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	49547	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

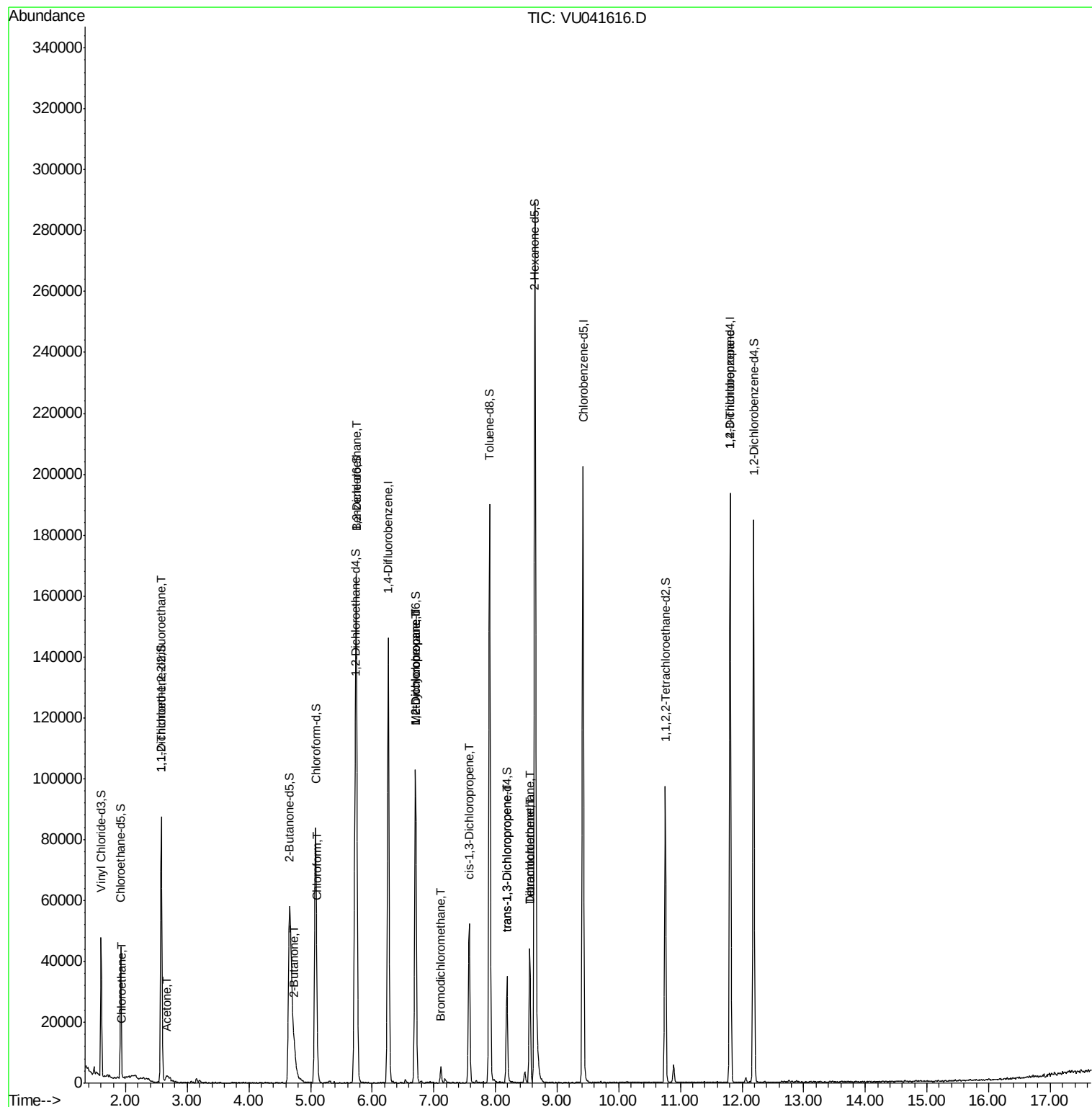
					Ovalue	
8) Chloroethane	1.95	64	279	0.038	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	410	0.050	ug/L #	22
13) Acetone	2.66	43	3898	2.274	ug/L	52
21) 2-Butanone	4.75	43	5158	1.847	ug/L #	63
25) Chloroform	5.11	83	8624	0.544	ug/L	98
27) 1,2-Dichloroethane	5.74	62	868	0.081	ug/L #	73
35) Methylcyclohexane	6.70	83	11444	0.747	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5265	0.546	ug/L #	88
38) Bromodichloromethane	7.11	83	4059	0.338	ug/L	92
39) cis-1,3-Dichloropropene	7.58	75	1296	0.091	ug/L #	50
44) trans-1,3-Dichloropropene	8.18	75	710	0.056	ug/L #	79
47) Tetrachloroethene	8.56	164	9832	1.481	ug/L	96
49) Dibromochloromethane	8.56	129	9759	1.190	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5964	0.823	ug/L	100

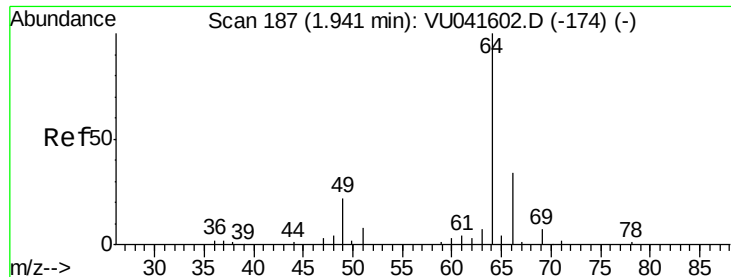
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 15 00:46:25 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.038 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041616.D

Acq: 14 Dec 2020 17:26

Instrument :

MSVOA_U

ClientSampleId :

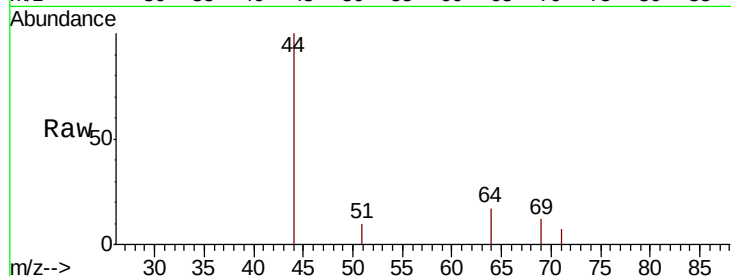
GB1J5

Tot Ion: 64 Resp: 279

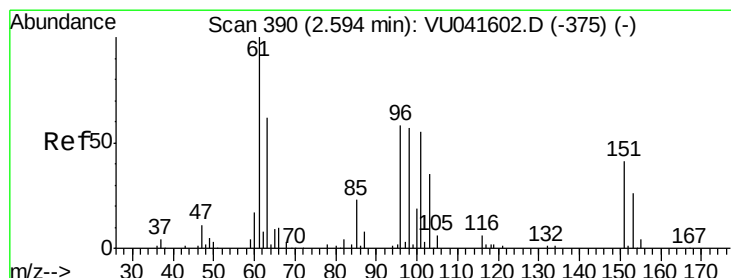
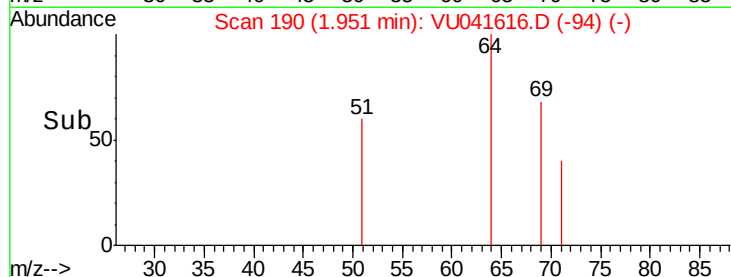
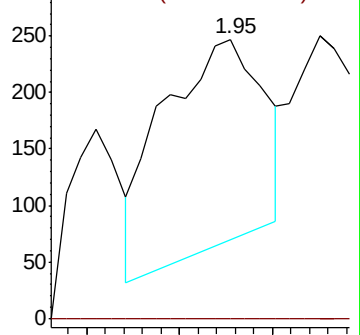
Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU041616.D (-94) (-)



#10

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

Concen: 0.050 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041616.D

Acq: 14 Dec 2020 17:26

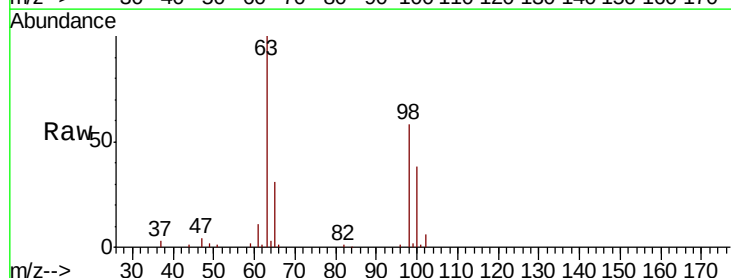
Tgt Ion: 101 Resp: 410

Ion Ratio Lower Upper

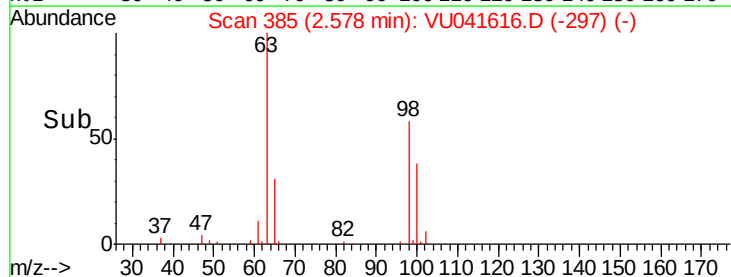
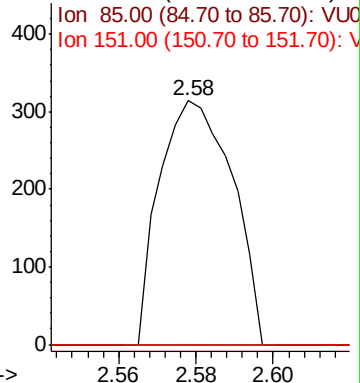
101 100

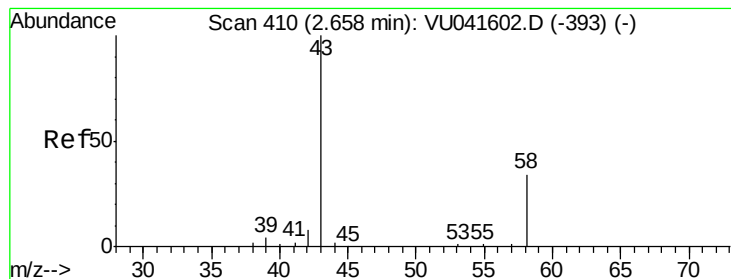
85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



Abundance Ion 101.00 (100.70 to 101.70): VU041616.D (-297) (-)





#13

Acetone

Concen: 2.274 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041616.D

Acq: 14 Dec 2020 17:26

Instrument :

MSVOA_U

ClientSampleId :

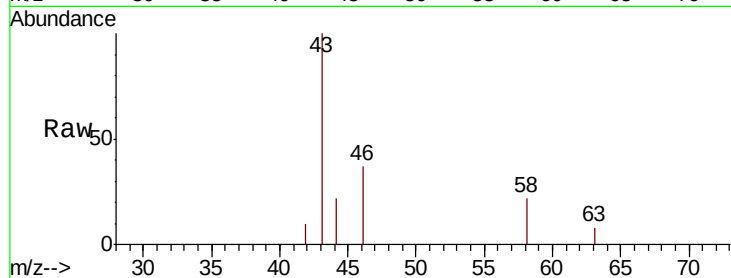
GB1J5

Tot Ion: 43 Resp: 3898

Ion Ratio Lower Upper

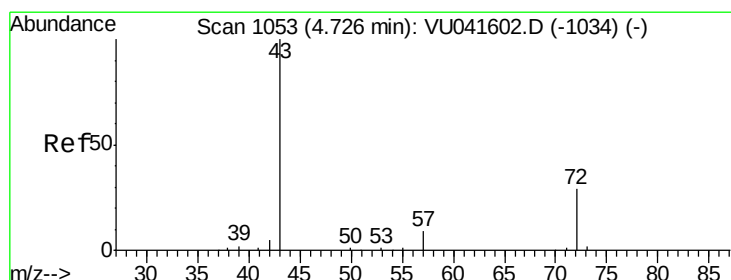
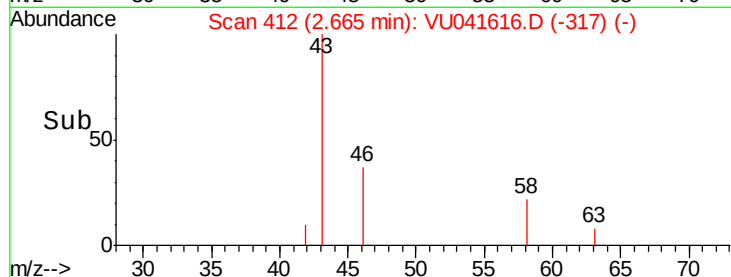
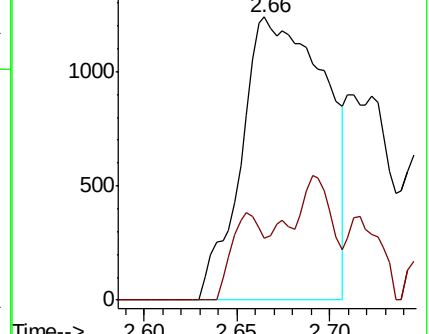
43 100

58 7.9 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#21

2-Butanone

Concen: 1.847 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.02 min

Lab File: VU041616.D

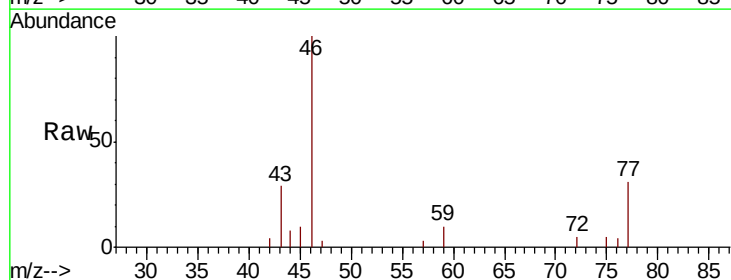
Acq: 14 Dec 2020 17:26

Tgt Ion: 43 Resp: 5158

Ion Ratio Lower Upper

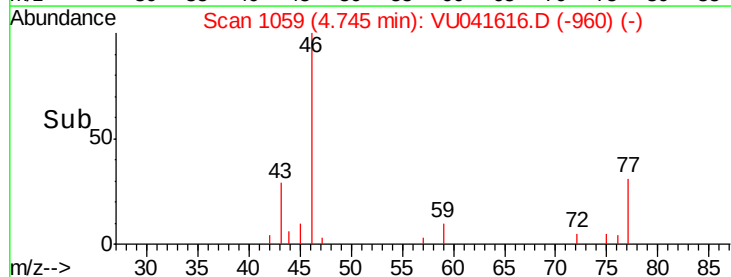
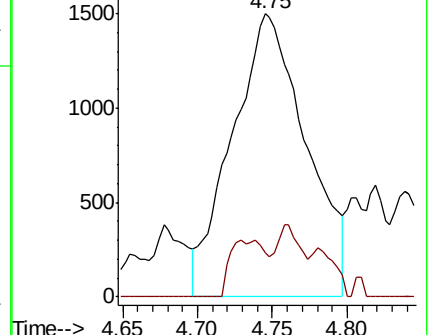
43 100

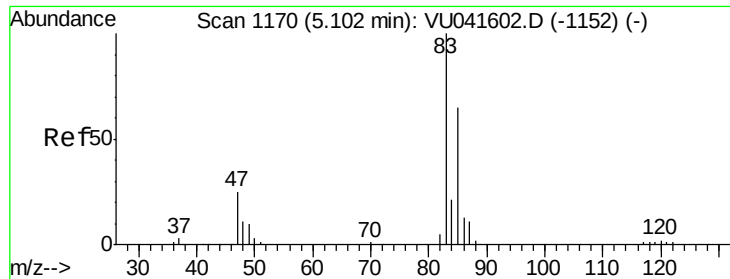
72 9.7 14.6 44.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0

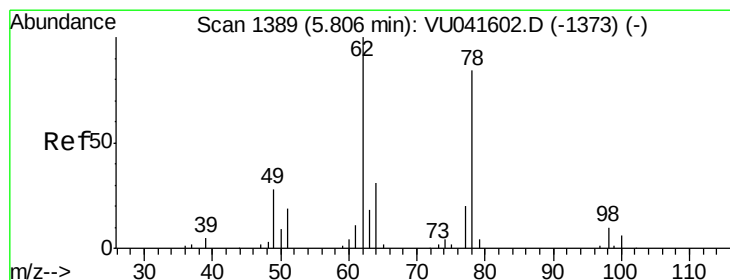
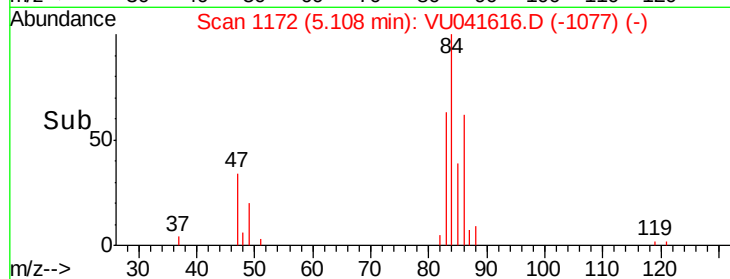
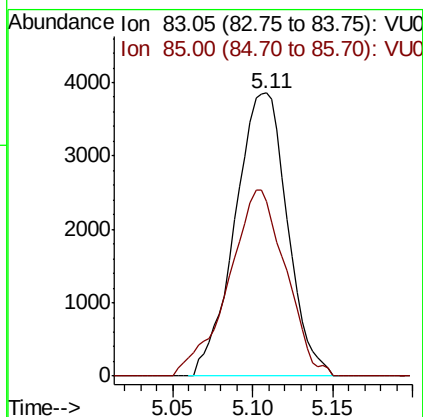
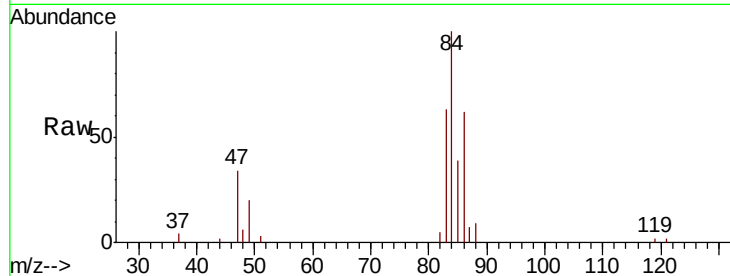




#25
Chloroform
Concen: 0.544 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041616.D
Acq: 14 Dec 2020 17:26

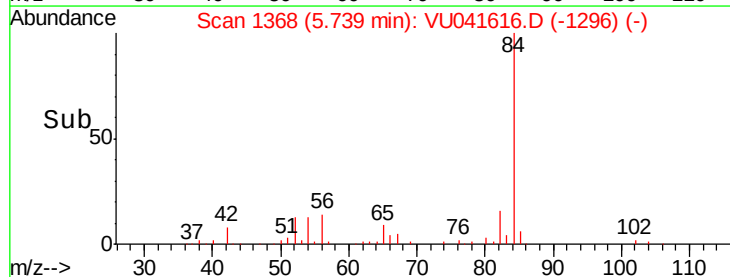
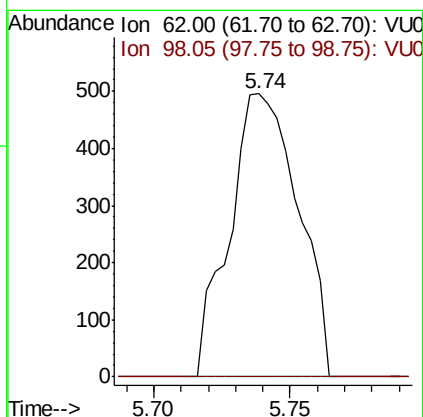
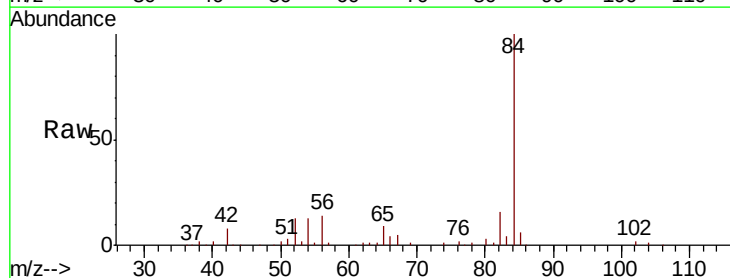
Instrument :
MSVOA_U
ClientSampleId :
GB1J5

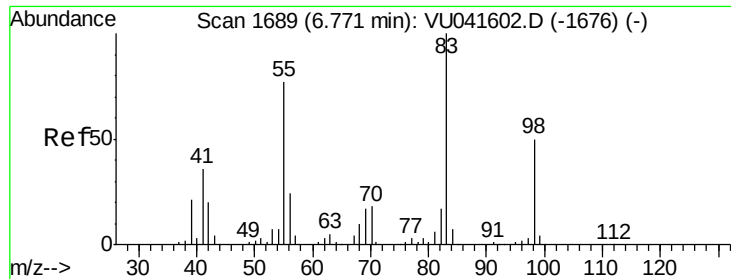
Tot Ion: 83 Resp: 8624
Ion Ratio Lower Upper
83 100
85 61.7 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.081 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU041616.D
Acq: 14 Dec 2020 17:26

Tgt Ion: 62 Resp: 868
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#

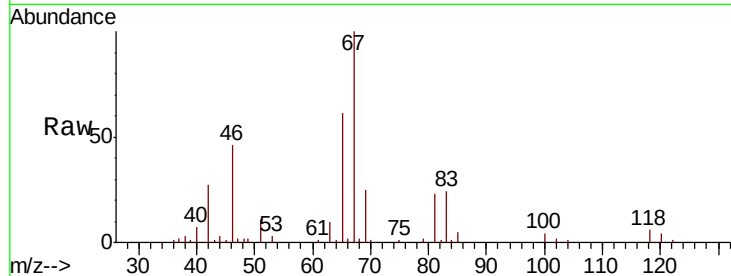




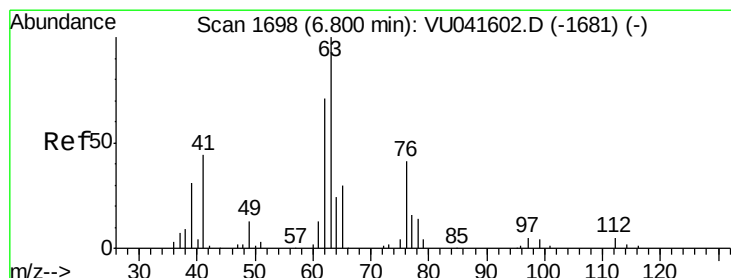
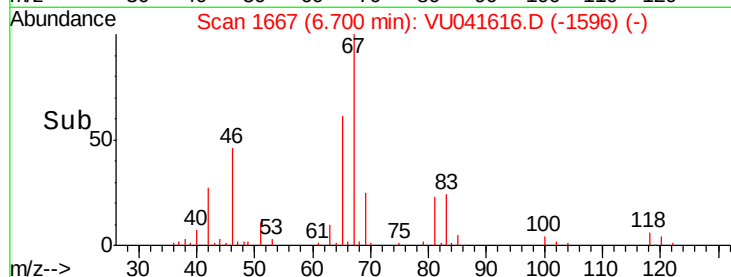
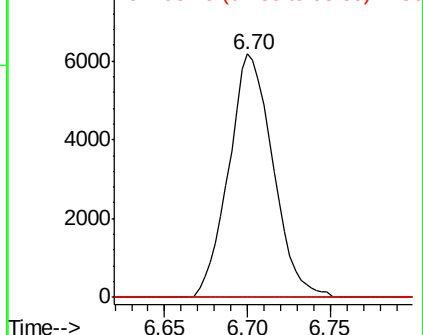
#35
Methylvlcyclohexane
Concen: 0.747 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041616.D
Acq: 14 Dec 2020 17:26

Instrument :
MSVOA_U
ClientSampleId :
GB1J5

Tot Ion: 83 Resp: 11444
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.5 36.6 54.8#

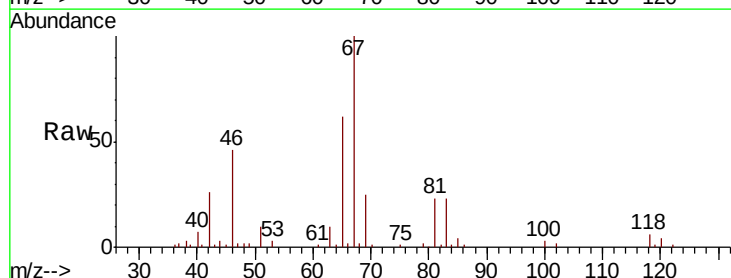


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

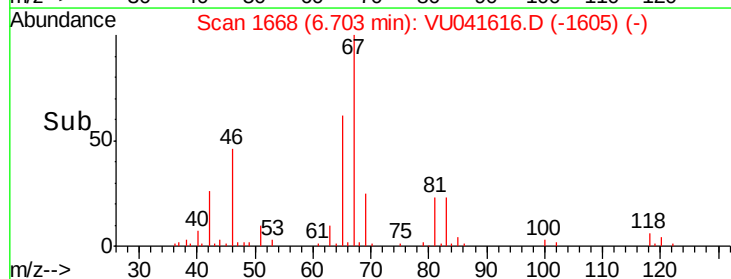
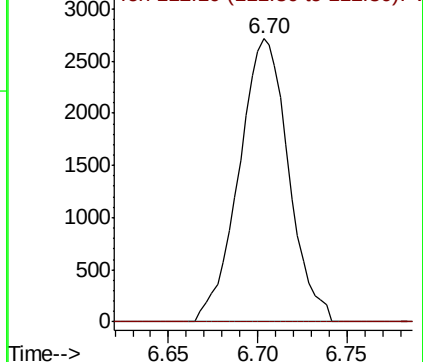


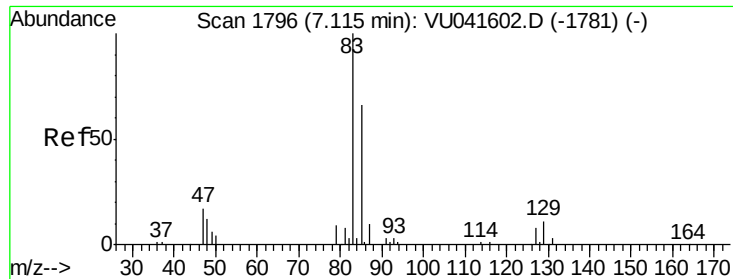
#37
1,2-Dichloropropane
Concen: 0.546 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041616.D
Acq: 14 Dec 2020 17:26

Tgt Ion: 63 Resp: 5265
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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

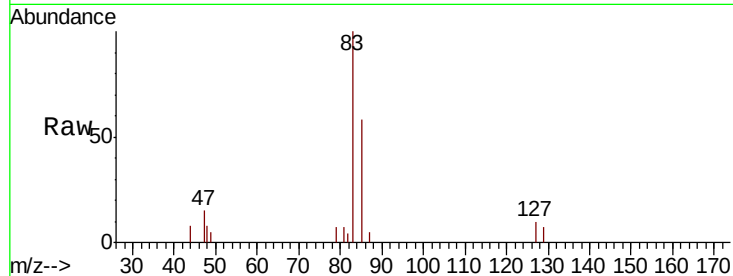




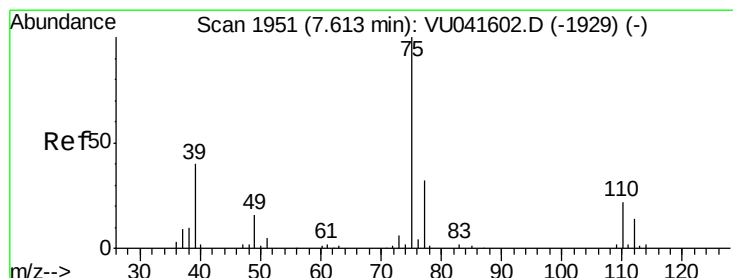
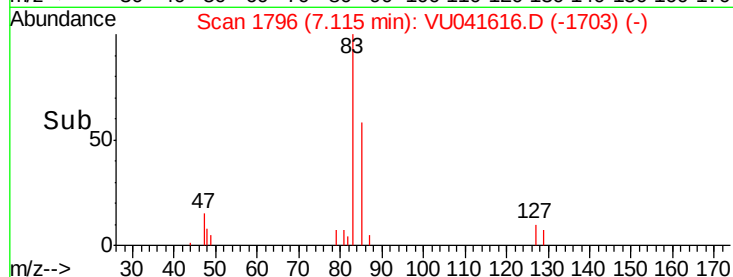
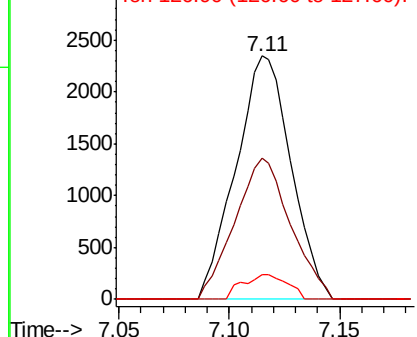
#38
Bromodichloromethane
Concen: 0.338 ug/L
RT: 7.11 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VU041616.D
Acq: 14 Dec 2020 17:26

Instrument :
MSVOA_U
ClientSampleId :
GB1J5

Tot Ion: 83 Resp: 4059
Ion Ratio Lower Upper
83 100
85 58.1 45.5 84.5
127 10.2 7.0 10.6

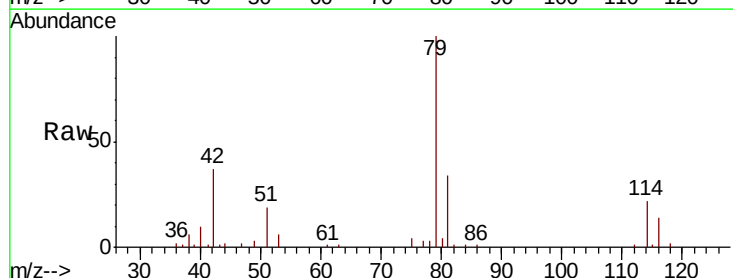


Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 126.90 (126.60 to 127.60): V

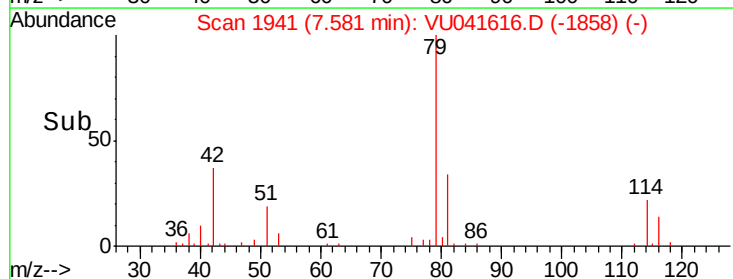
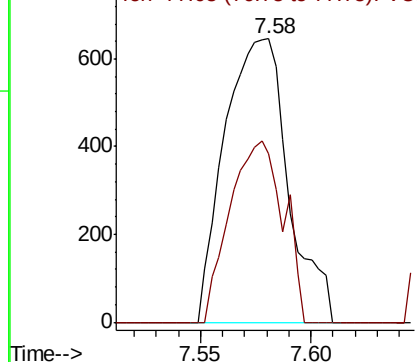


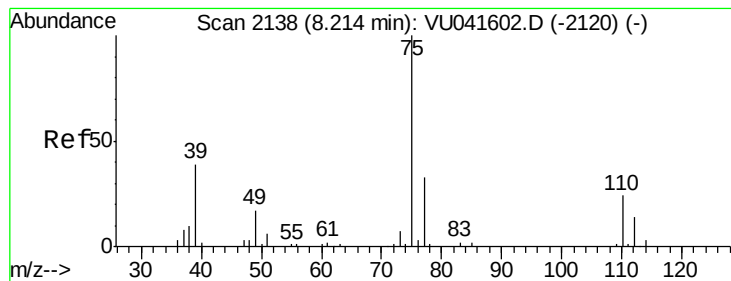
#39
cis-1,3-Dichloropropene
Concen: 0.091 ug/L
RT: 7.58 min Scan# 1941
Delta R.T. -0.03 min
Lab File: VU041616.D
Acq: 14 Dec 2020 17:26

Tgt Ion: 75 Resp: 1296
Ion Ratio Lower Upper
75 100
77 59.4 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041616.D

Acq: 14 Dec 2020 17:26

Instrument :

MSVOA_U

ClientSampleId :

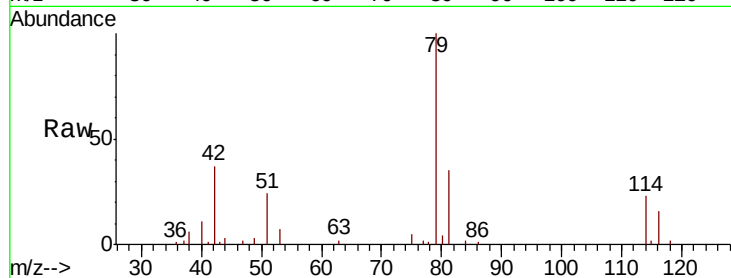
GB1J5

Tot Ion: 75 Resp: 710

Ion Ratio Lower Upper

75 100

77 45.9 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041616.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041616.D (-2120) (-)

8.18

600

500

400

300

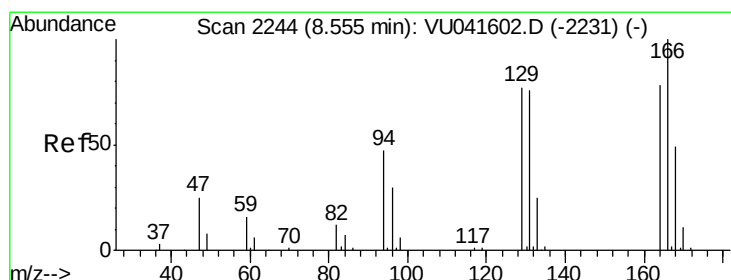
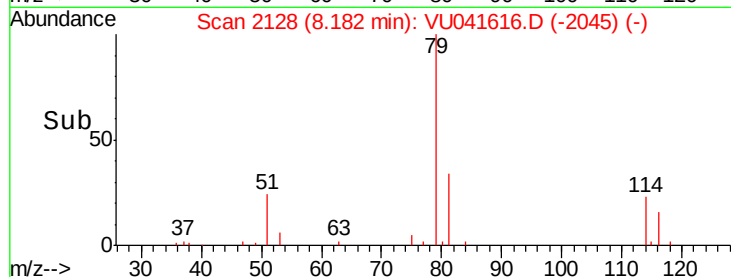
200

100

0

8.16 8.18 8.20 8.22

Time-->



#47

Tetrachloroethene

Concen: 1.481 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041616.D

Acq: 14 Dec 2020 17:26

Tgt Ion:164 Resp: 9832

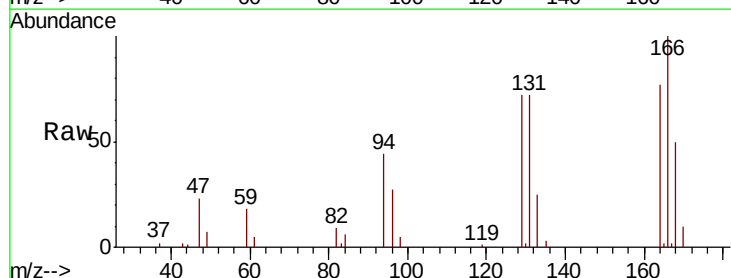
Ion Ratio Lower Upper

164 100

129 94.3 72.2 134.0

131 93.9 66.9 124.3

166 130.2 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041616.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041616.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041616.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041616.D (-2151) (-)

12000

10000

8000

6000

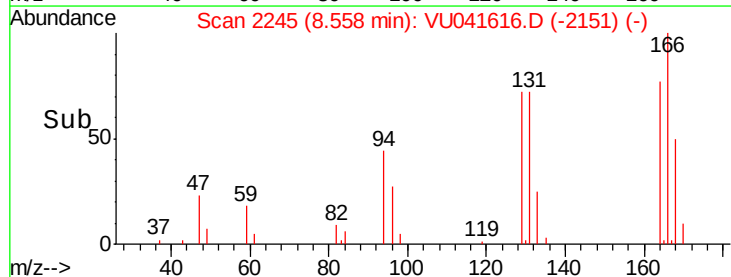
4000

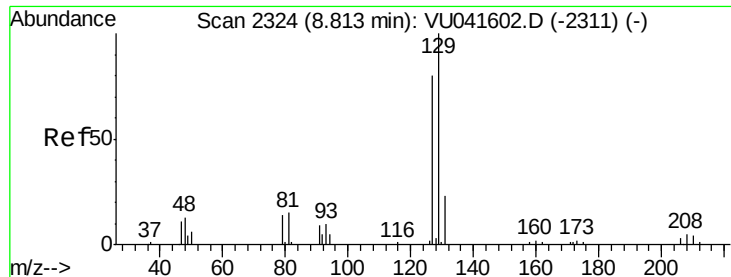
2000

0

8.50 8.55 8.60

Time-->





#49

Dibromochloromethane

Concen: 1.190 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041616.D

Acq: 14 Dec 2020 17:26

Instrument :

MSVOA_U

ClientSampleId :

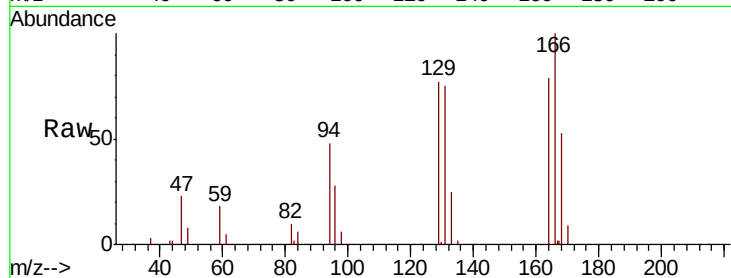
GB1J5

Tot Ion:129 Resp: 9759

Ion Ratio Lower Upper

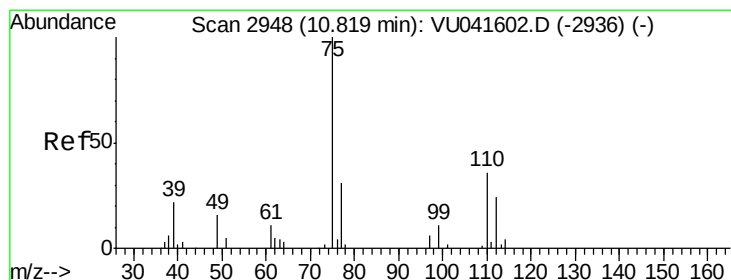
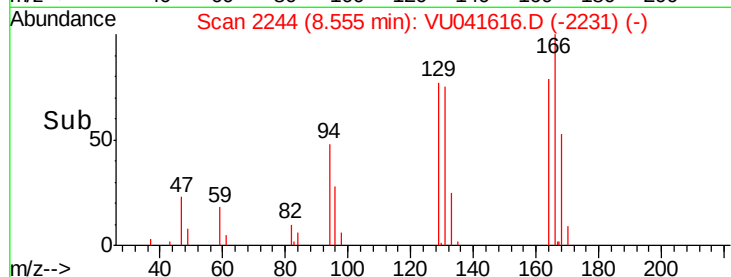
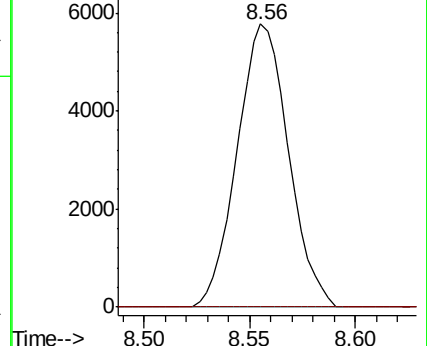
129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.823 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041616.D

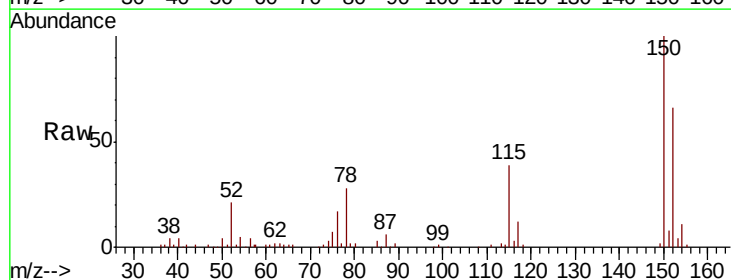
Acq: 14 Dec 2020 17:26

Tgt Ion: 75 Resp: 5964

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

