

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041621.D
 Acq On : 14 Dec 2020 19:25
 Operator : SY/MD
 Sample : L5027-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1J8

Quant Time: Dec 15 00:50:19 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	117436	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114237	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29439	3.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.20%
7) Chloroethane-d5	1.92	69	30430	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.58	63	51494	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.66	46	146012	55.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.72%
24) Chloroform-d	5.08	84	77104	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.72	65	45636	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.74	84	151216	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	49837	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.91	98	128296	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.19	79	19691	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.64	63	117990	46.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48886	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	50204	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

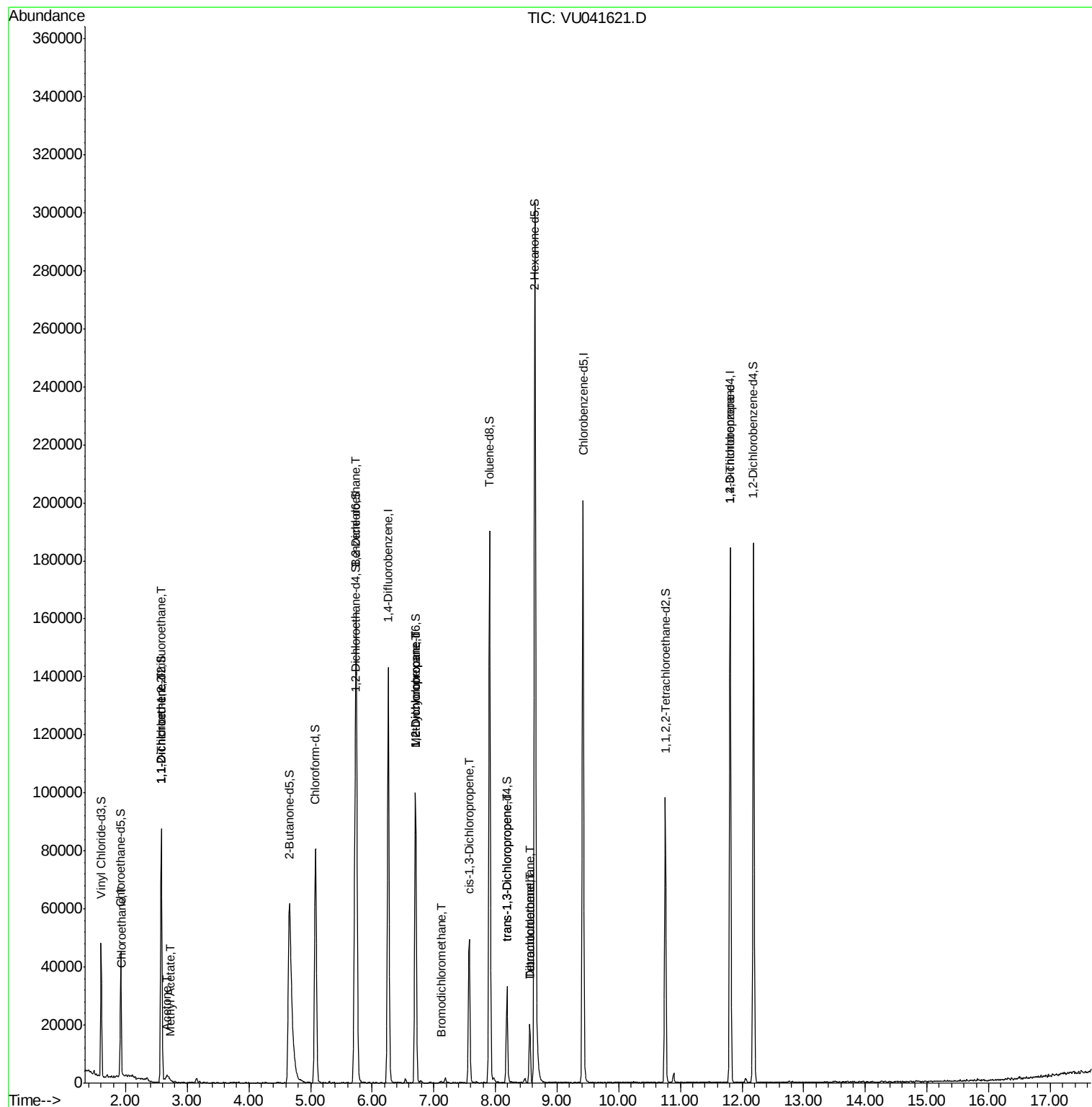
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	565	0.078	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	459	0.057	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	531	0.067	ug/L #	1
13) Acetone	2.67	43	2722	1.623	ug/L	87
15) Methyl Acetate	2.74	43	492	0.113	ug/L #	51
27) 1,2-Dichloroethane	5.74	62	868	0.083	ug/L #	73
35) Methylcyclohexane	6.70	83	11686	0.787	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	5189	0.555	ug/L #	88
38) Bromodichloromethane	7.12	83	472	0.041	ug/L #	93
39) cis-1,3-Dichloropropene	7.57	75	1147	0.083	ug/L #	49
44) trans-1,3-Dichloropropene	8.19	75	711	0.057	ug/L #	69
47) Tetrachloroethene	8.56	164	4698	0.731	ug/L	95
49) Dibromochloromethane	8.56	129	4393	0.553	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5923	0.844	ug/L	98

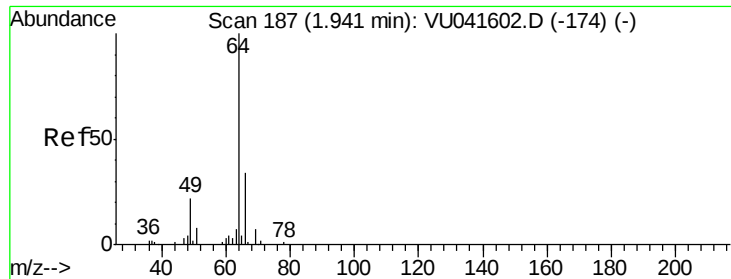
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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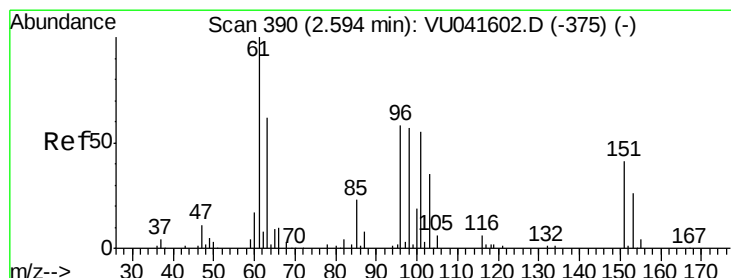
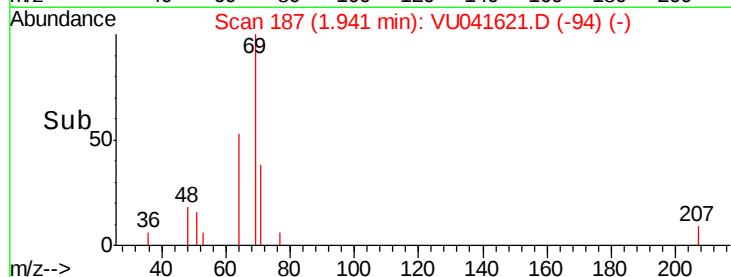
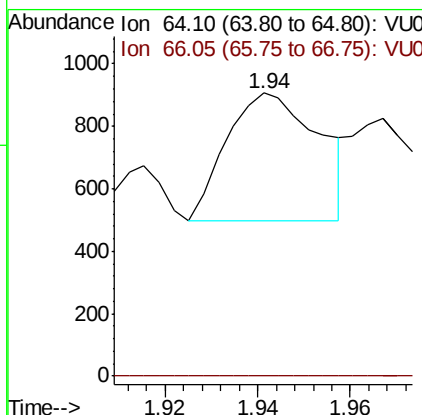
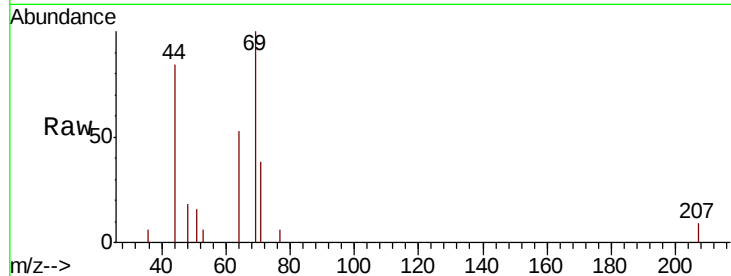




#8
Chloroethane
Concen: 0.078 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041621.D
Acq: 14 Dec 2020 19:25

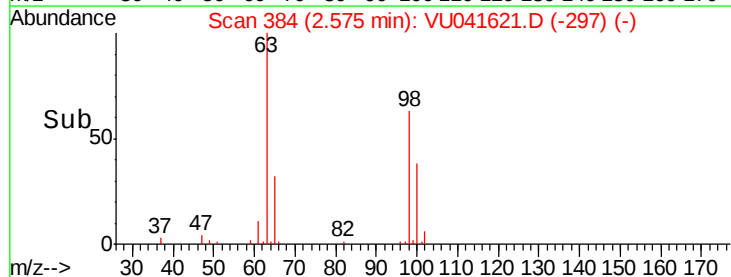
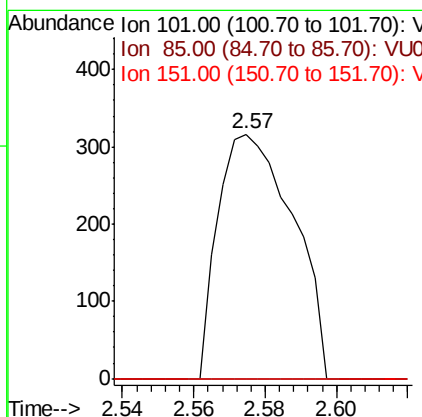
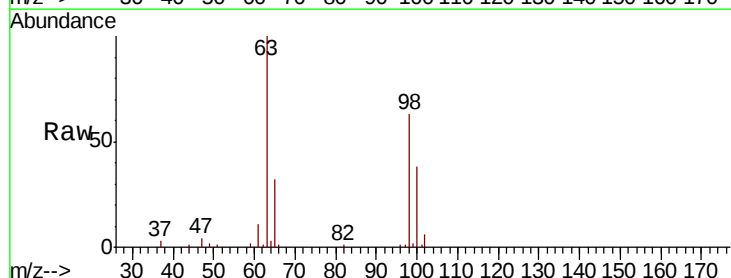
Instrument :
MSVOA_U
ClientSampleId :
GB1J8

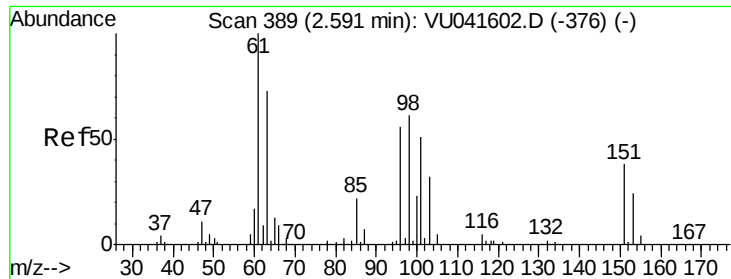
Tot Ion: 64 Resp: 565
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.057 ug/L
RT: 2.57 min Scan# 384
Delta R.T. -0.02 min
Lab File: VU041621.D
Acq: 14 Dec 2020 19:25

Tgt Ion:101 Resp: 459
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: 0.067 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041621.D

Acq: 14 Dec 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

GB1J8

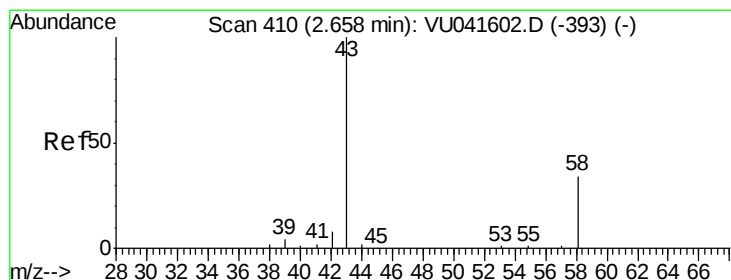
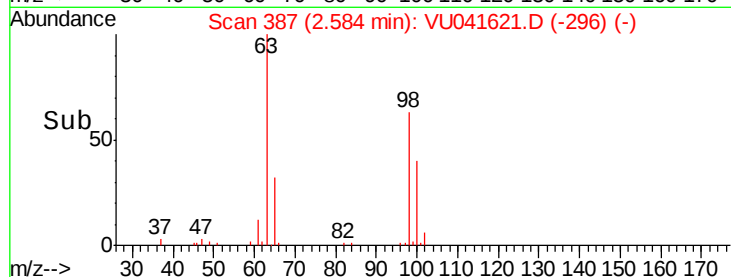
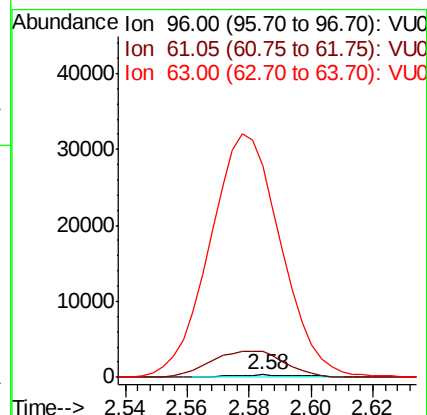
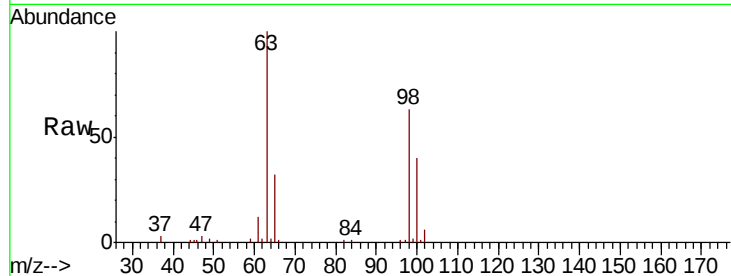
Tot Ion: 96 Resp: 531

Ion Ratio Lower Upper

96 100

61 1078.1 123.8 230.0#

63 8944.1 81.0 150.4#



#13

Acetone

Concen: 1.623 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041621.D

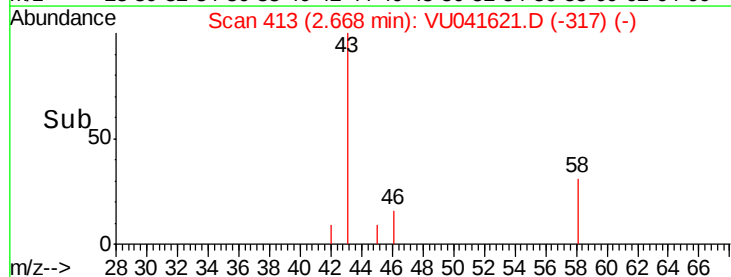
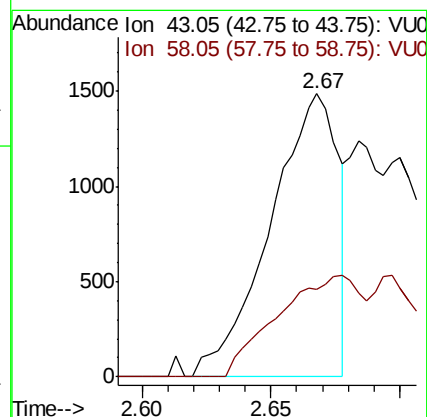
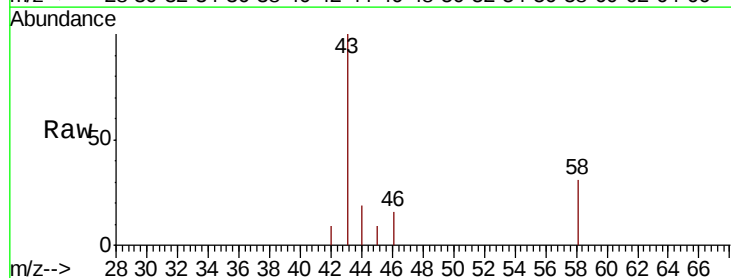
Acq: 14 Dec 2020 19:25

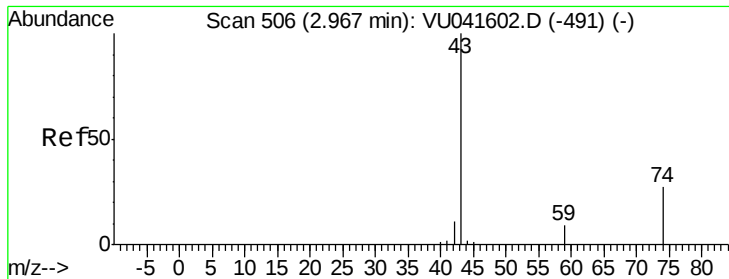
Tgt Ion: 43 Resp: 2722

Ion Ratio Lower Upper

43 100

58 44.5 0.0 73.2

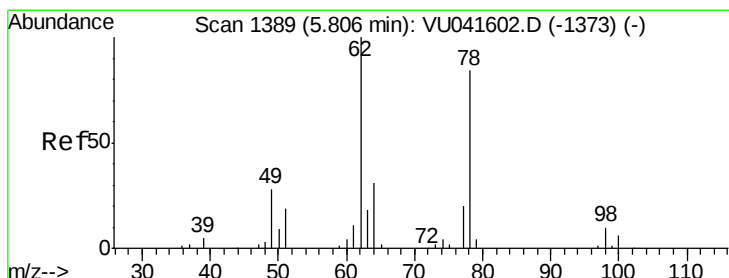
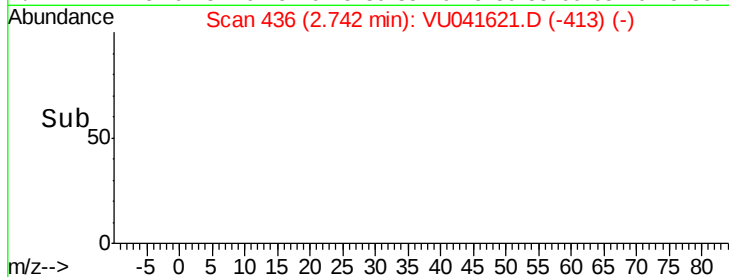
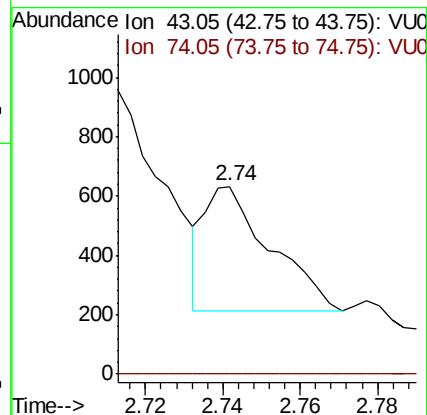
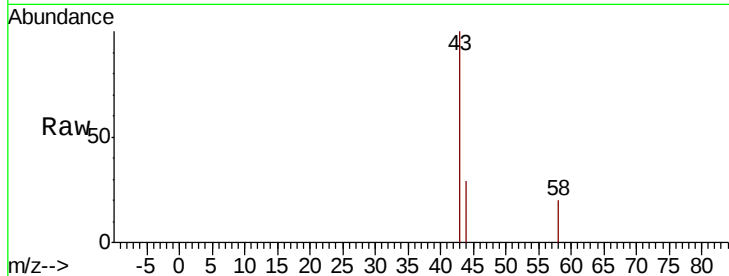




#15
Methyl Acetate
Concen: 0.113 ug/L
RT: 2.74 min Scan# 436
Delta R.T. -0.23 min
Lab File: VU041621.D
Acq: 14 Dec 2020 19:25

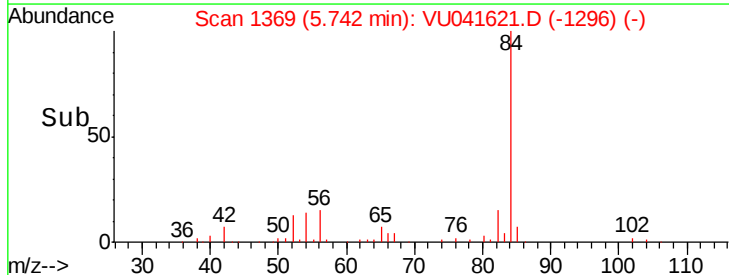
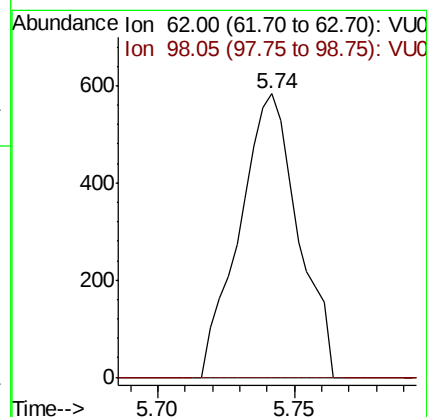
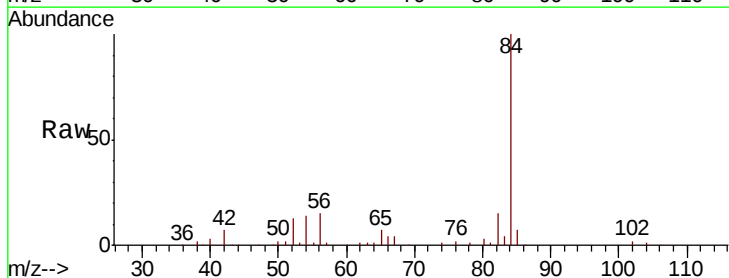
Instrument :
MSVOA_U
ClientSampled :
GB1J8

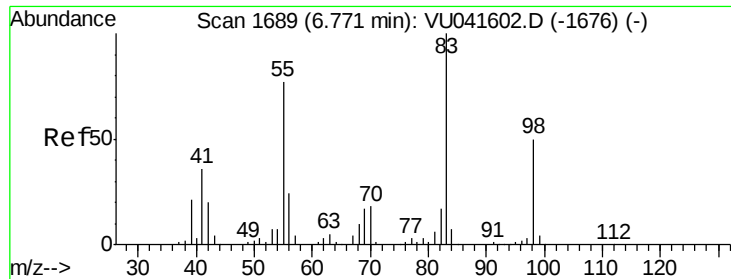
Tot Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#27
1,2-Dichloroethane
Concen: 0.083 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041621.D
Acq: 14 Dec 2020 19:25

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

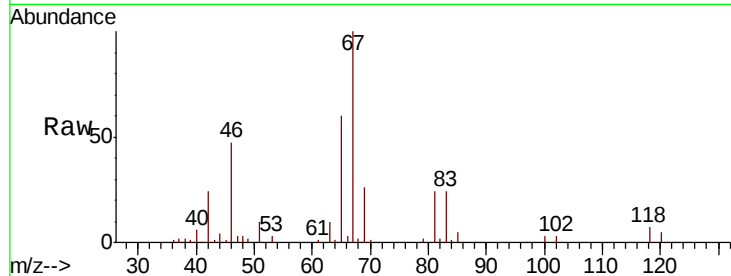




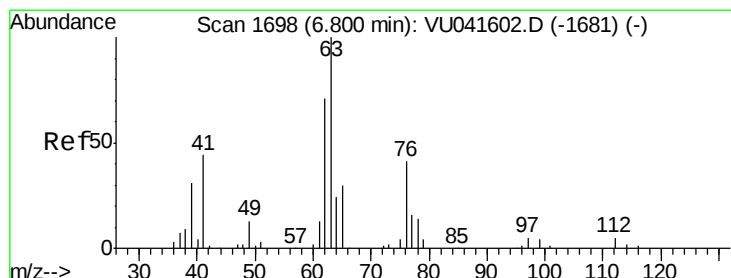
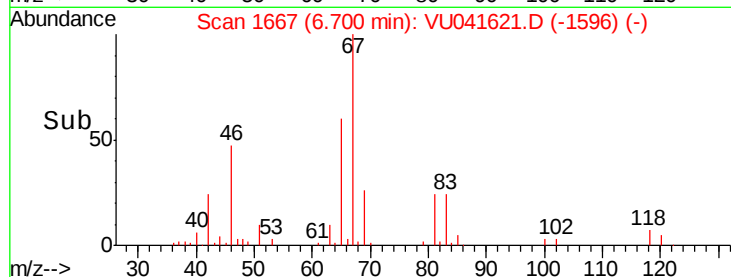
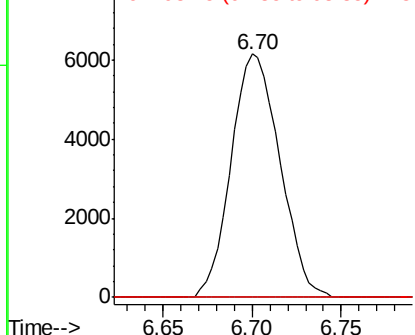
#35
Methvlcvclohexane
Concen: 0.787 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041621.D
Acq: 14 Dec 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
GB1J8

Tot Ion: 83 Resp: 11686
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.2 36.6 54.8#

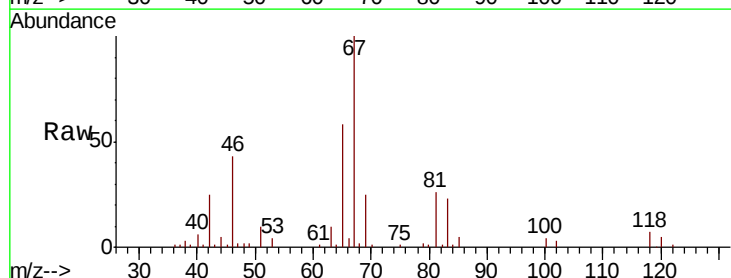


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

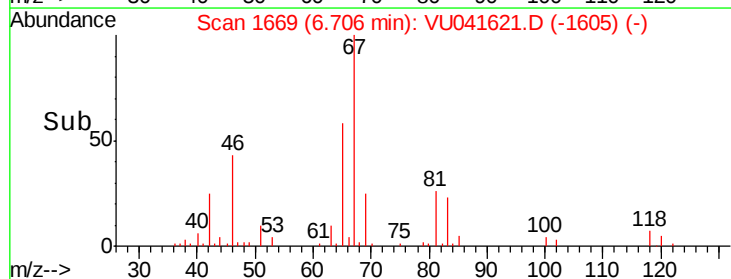
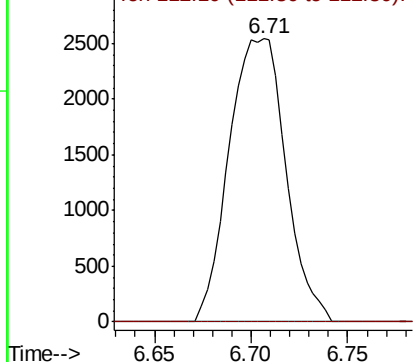


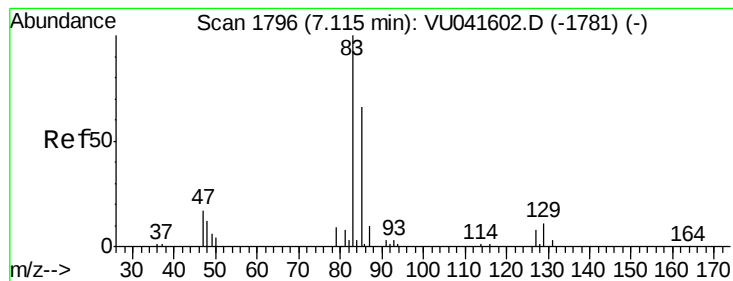
#37
1,2-Dichloropropane
Concen: 0.555 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041621.D
Acq: 14 Dec 2020 19:25

Tgt Ion: 63 Resp: 5189
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: 0.041 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU041621.D

Acq: 14 Dec 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

GB1J8

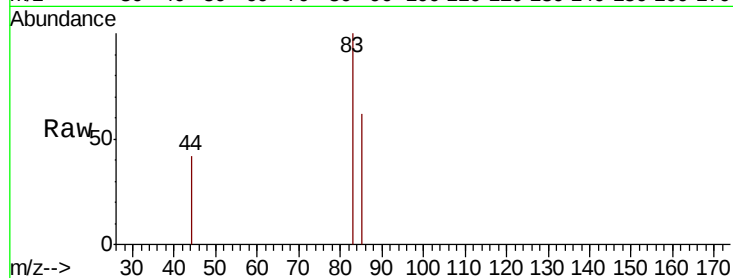
Tot Ion: 83 Resp: 472

Ion Ratio Lower Upper

83 100

85 61.7 45.5 84.5

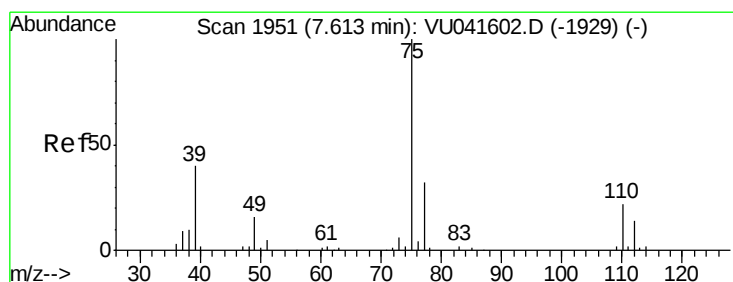
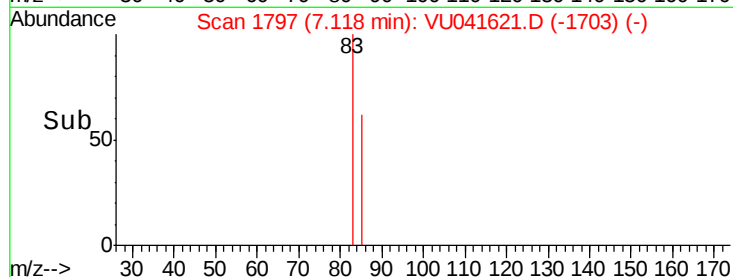
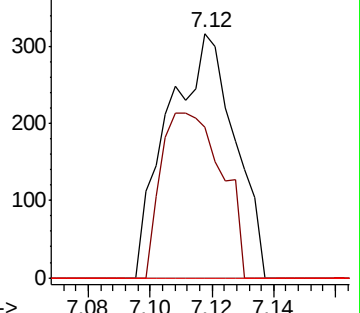
127 0.0 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VU041621.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU041621.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU041621.D (-1781) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041621.D

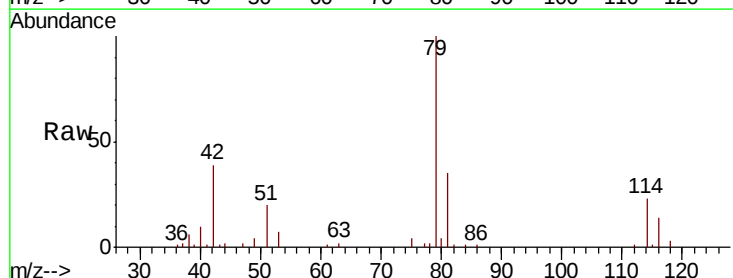
Acq: 14 Dec 2020 19:25

Tgt Ion: 75 Resp: 1147

Ion Ratio Lower Upper

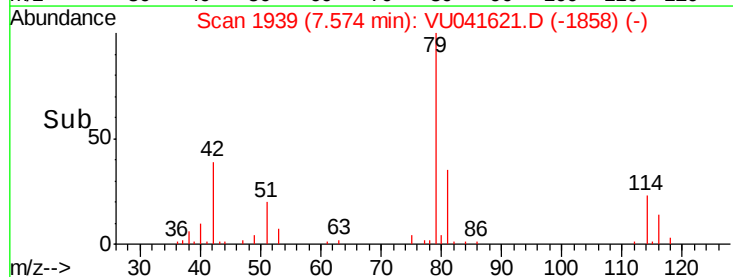
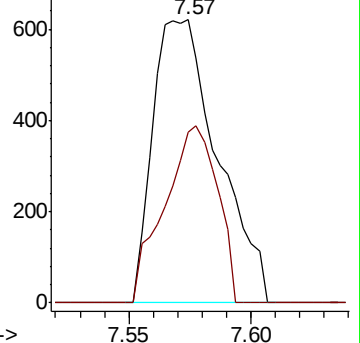
75 100

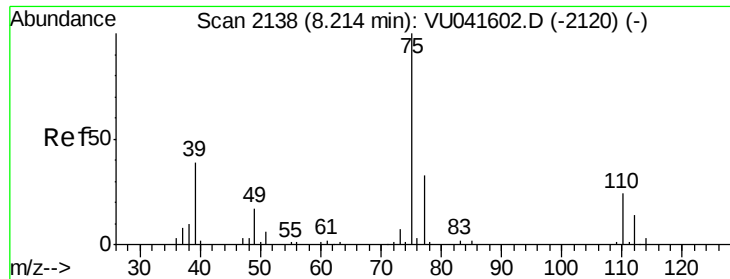
77 60.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041621.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041621.D (-1858) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041621.D

Acq: 14 Dec 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

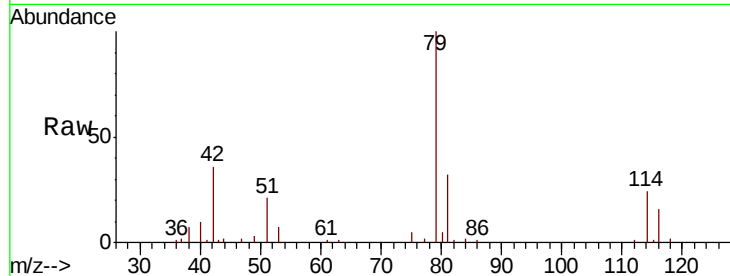
GB1J8

Tot Ion: 75 Resp: 711

Ion Ratio Lower Upper

75 100

77 51.8 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041621.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041621.D (-2120) (-)

8.19

600

500

400

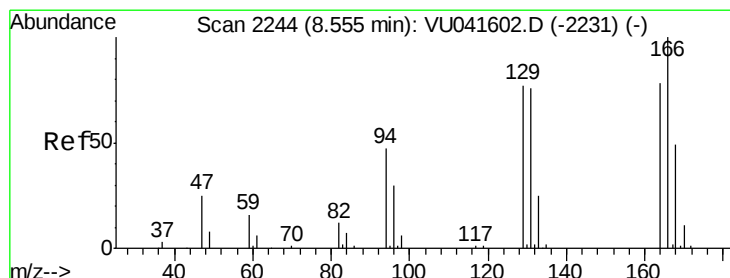
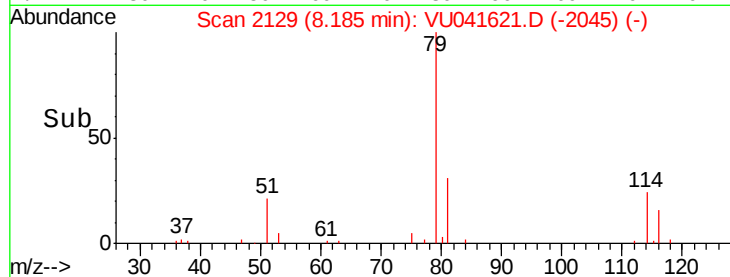
300

200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22



#47

Tetrachloroethene

Concen: 0.731 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041621.D

Acq: 14 Dec 2020 19:25

Tgt Ion:164 Resp: 4698

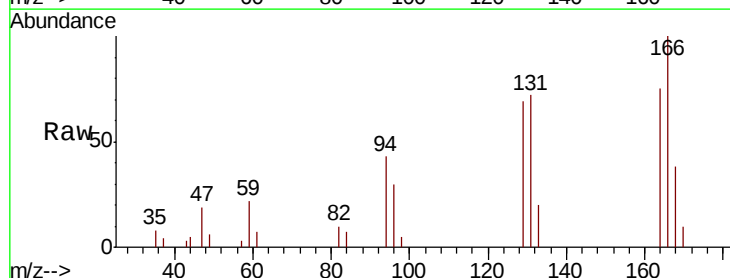
Ion Ratio Lower Upper

164 100

129 92.5 72.2 134.0

131 96.0 66.9 124.3

166 133.7 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041621.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041621.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041621.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041621.D (-2151) (-)

5000

4000

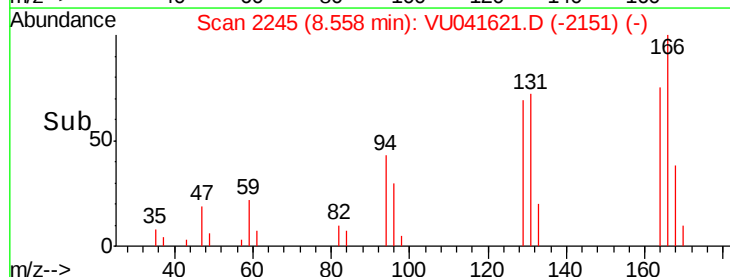
3000

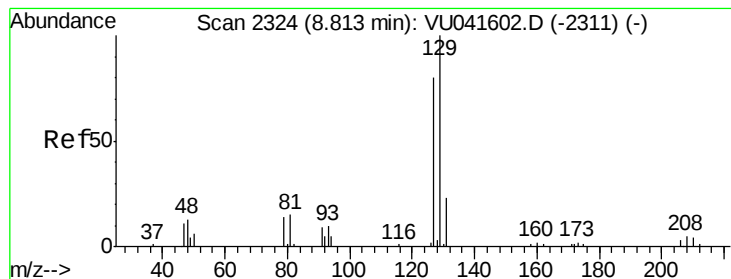
2000

1000

0

Time--> 8.50 8.55 8.60





#49

Dibromochloromethane

Concen: 0.553 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041621.D

Acq: 14 Dec 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

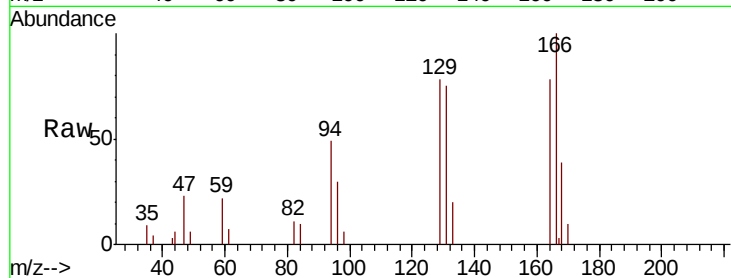
GB1J8

Tot Ion:129 Resp: 4393

Ion Ratio Lower Upper

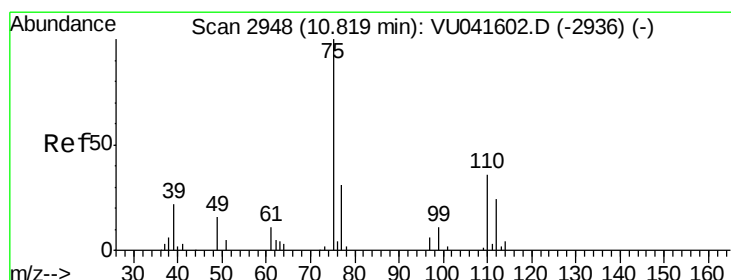
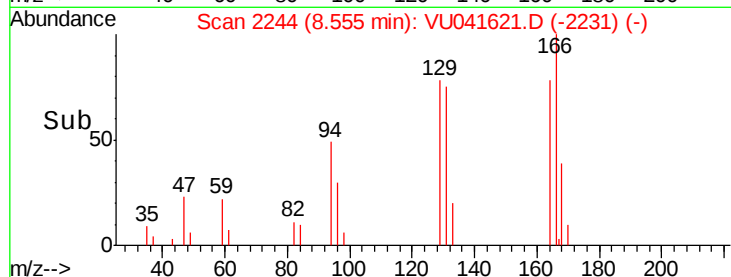
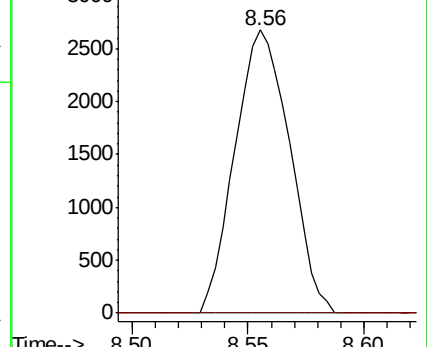
129 100

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: 0.844 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041621.D

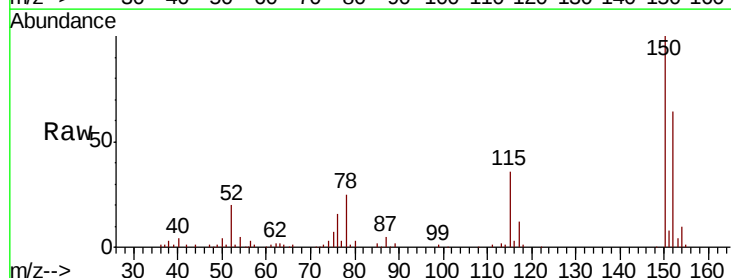
Acq: 14 Dec 2020 19:25

Tgt Ion: 75 Resp: 5923

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

