

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121820\
 Data File : VU041685.D
 Acq On : 18 Dec 2020 17:47
 Operator : SY/MD
 Sample : L5142-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZB6

Quant Time: Dec 19 04:15:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 19 04:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	99427	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	99988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43597	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	34770	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	34022	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.00%
11) 1,1-Dichloroethene-d2	2.58	63	56695	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.66	46	145867	65.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.66%#
24) Chloroform-d	5.08	84	75590	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
26) 1,2-Dichloroethane-d4	5.72	65	43659	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.60%
32) Benzene-d6	5.74	84	146048	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.70	67	46720	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.90	98	128856	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	8.19	79	20804	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.64	63	137401	62.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47170	5.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	48371	6.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.80%#

Target Compounds

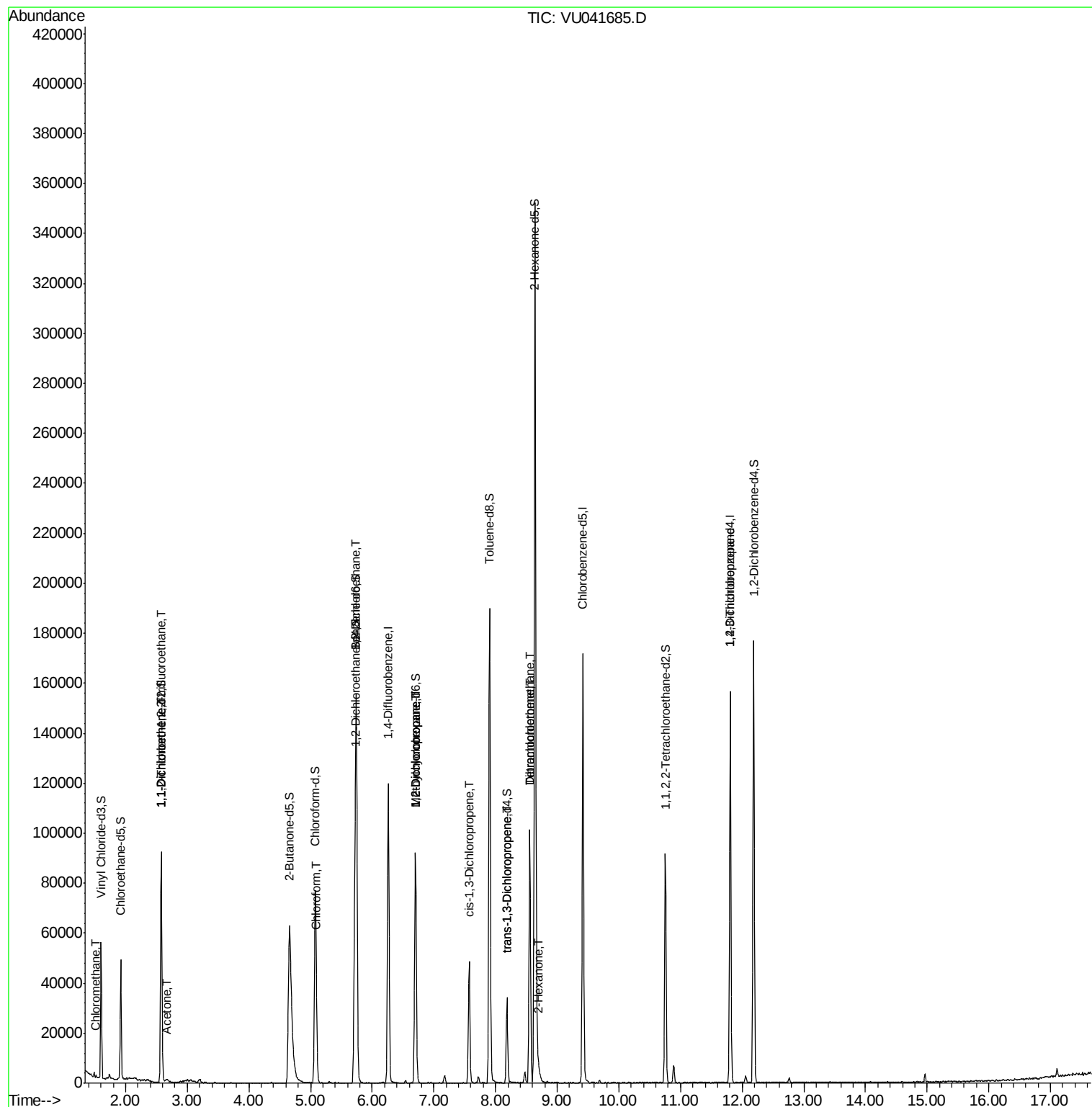
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	665	0.081	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	503	0.074	ug/L #	22
12) 1,1-Dichloroethene	2.57	96	372	0.055	ug/L #	1
13) Acetone	2.67	43	1552	1.093	ug/L	62
25) Chloroform	5.11	83	1325	0.101	ug/L	88
27) 1,2-Dichloroethane	5.74	62	806	0.091	ug/L #	73
35) Methylcyclohexane	6.70	83	11330	0.872	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	4853	0.593	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1125	0.093	ug/L #	63
44) trans-1,3-Dichloropropene	8.18	75	816	0.075	ug/L #	53
47) Tetrachloroethene	8.56	164	22694	4.034	ug/L	96
48) 2-Hexanone	8.70	43	1958	0.462	ug/L #	59
49) Dibromochloromethane	8.56	129	21615	3.111	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	4746	0.773	ug/L	96

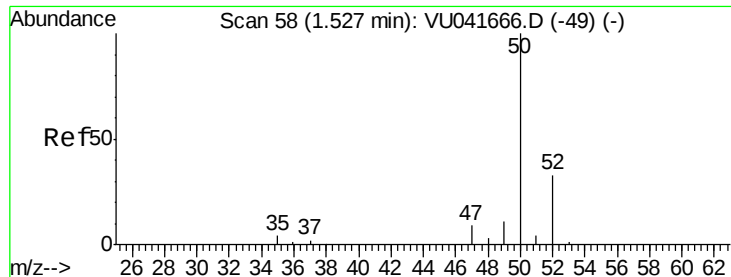
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 19 04:12:21 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.081 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041685.D

Acq: 18 Dec 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

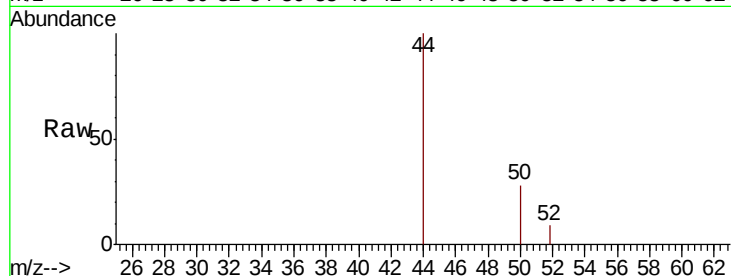
ETZB6

Tot Ion: 50 Resp: 665

Ion Ratio Lower Upper

50 100

52 31.2 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041666.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041666.D (-49) (-)

1.52

600

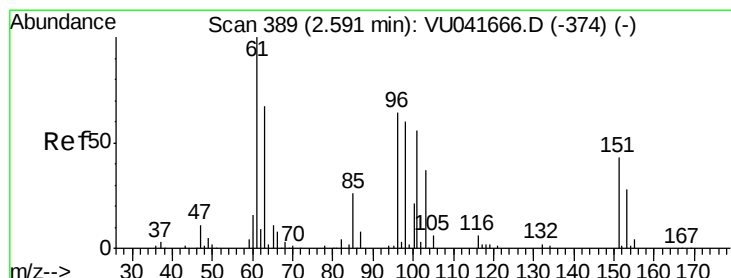
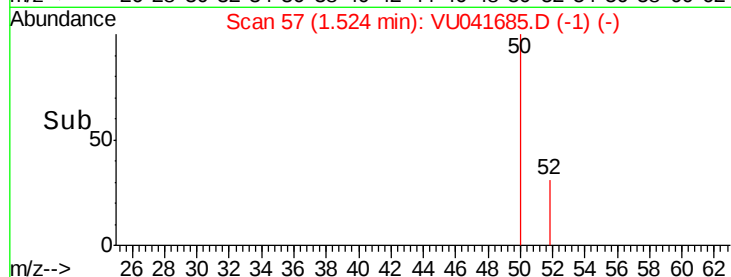
400

200

0

1.50 1.52 1.54

Time-->



#10

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

Concen: 0.074 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041685.D

Acq: 18 Dec 2020 17:47

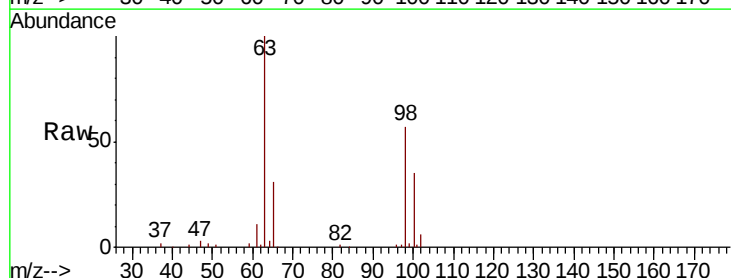
Tgt Ion: 101 Resp: 503

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): VU041666.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU041666.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU041666.D (-374) (-)

2.57

400

300

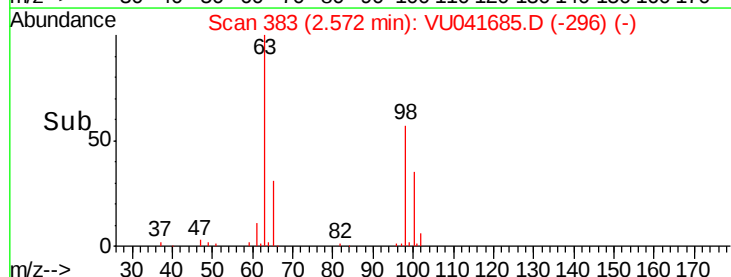
200

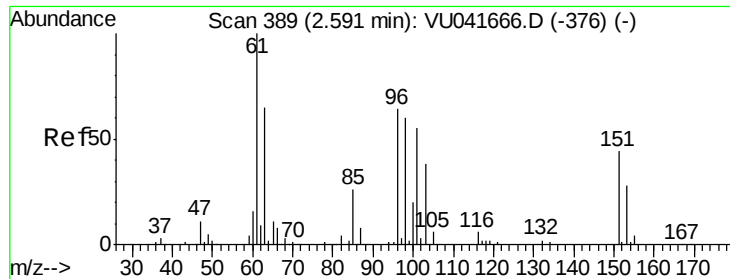
100

0

2.54 2.56 2.58 2.60 2.62

Time-->

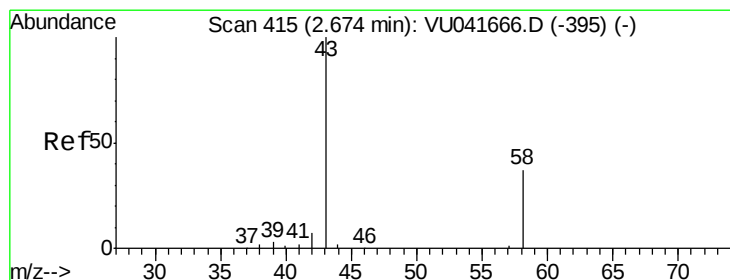
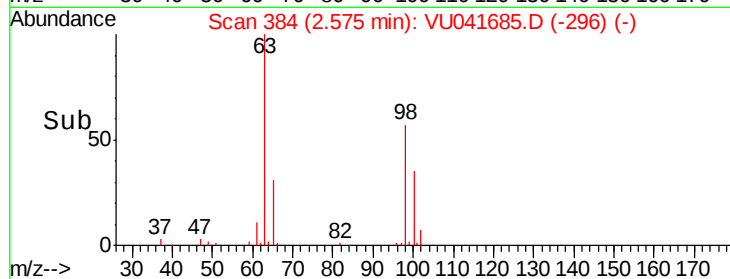
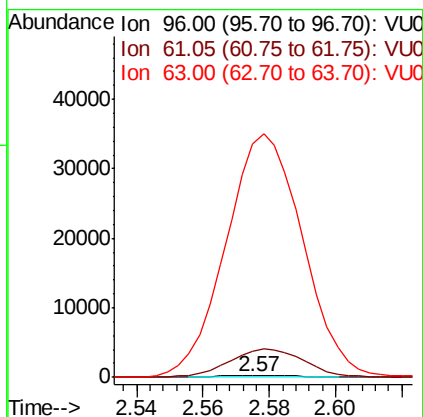
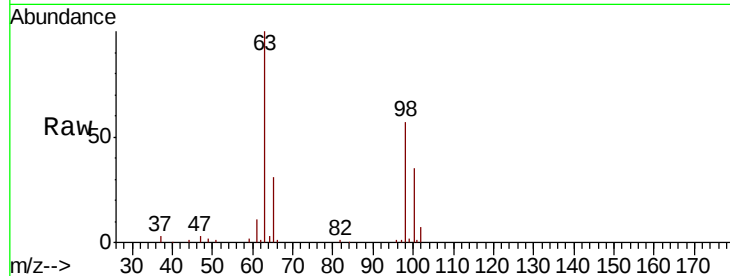




#12
 1,1-Dichloroethene
 Concen: 0.055 ug/L
 RT: 2.57 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VU041685.D
 Acq: 18 Dec 2020 17:47

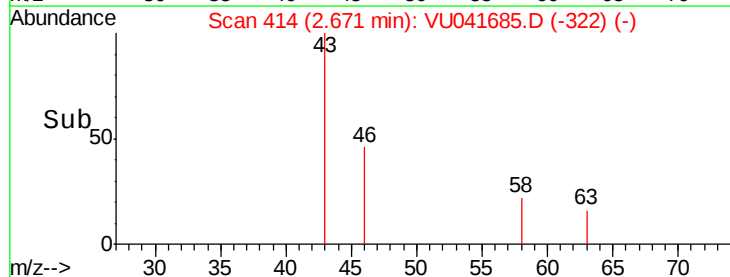
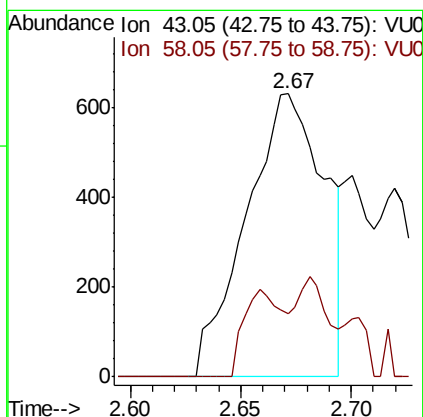
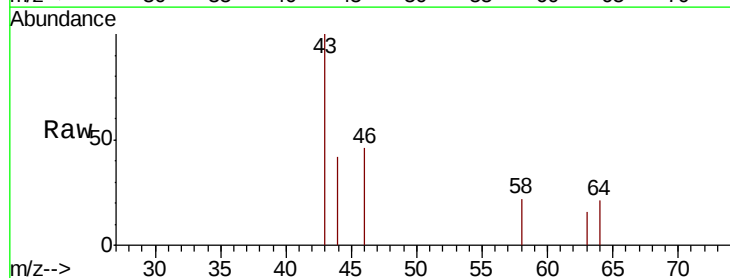
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZB6

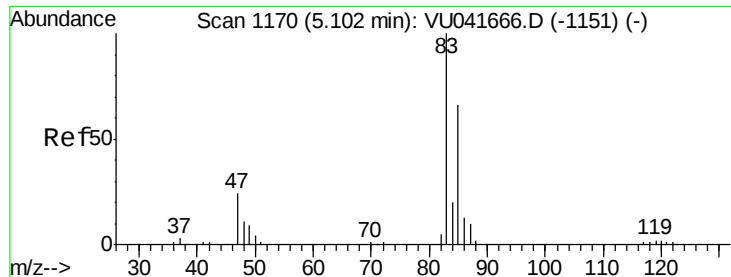
Tot Ion: 96 Resp: 372
 Ion Ratio Lower Upper
 96 100
 61 1677.4 123.8 230.0#
 63 14888.5 81.0 150.4#



#13
 Acetone
 Concen: 1.093 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VU041685.D
 Acq: 18 Dec 2020 17:47

Tgt Ion: 43 Resp: 1552
 Ion Ratio Lower Upper
 43 100
 58 14.2 0.0 73.2

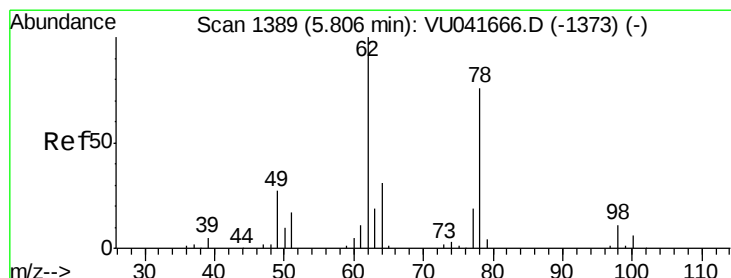
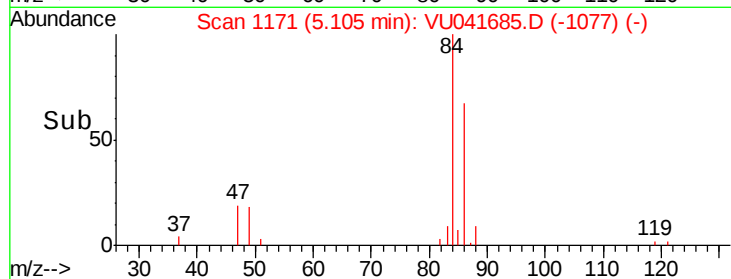
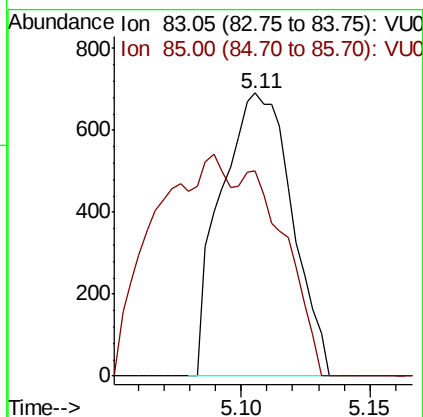
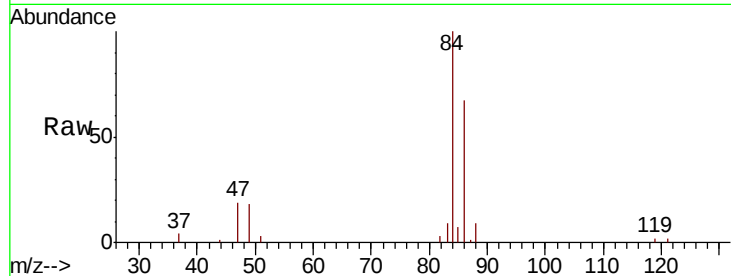




#25
Chloroform
Concen: 0.101 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041685.D
Acq: 18 Dec 2020 17:47

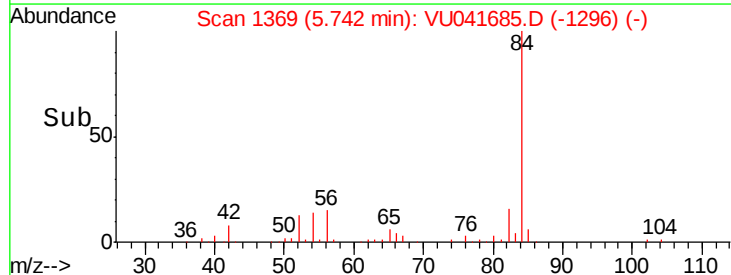
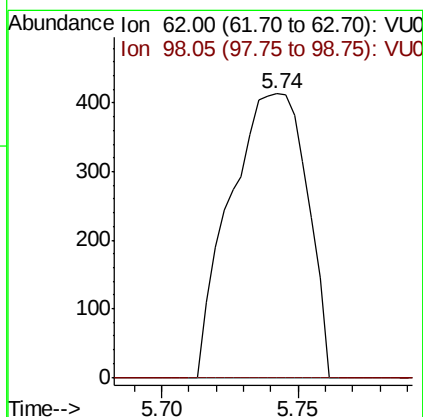
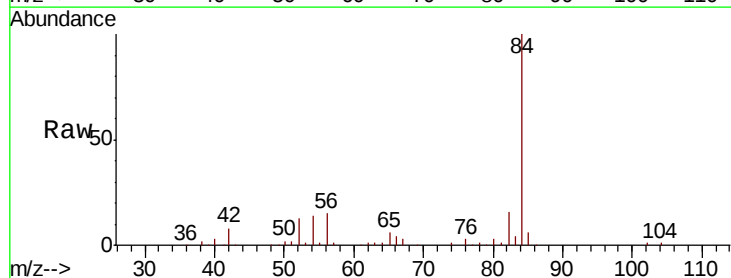
Instrument :
MSVOA_U
ClientSampleId :
ETZB6

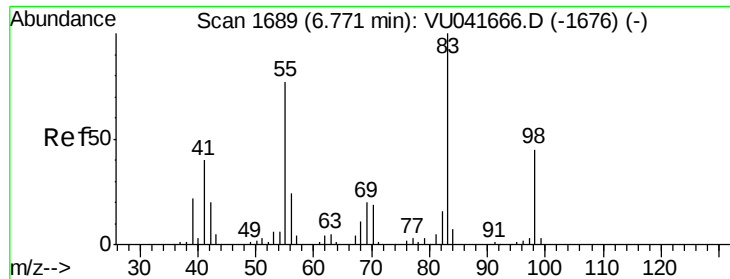
Tot Ion: 83 Resp: 1325
Ion Ratio Lower Upper
83 100
85 72.5 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.091 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041685.D
Acq: 18 Dec 2020 17:47

Tgt Ion: 62 Resp: 806
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#

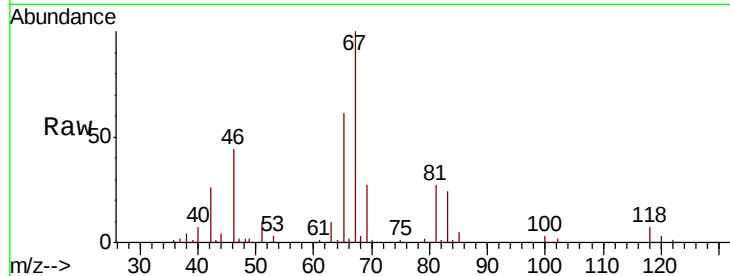




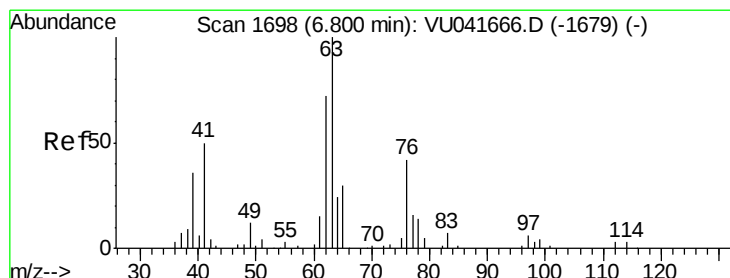
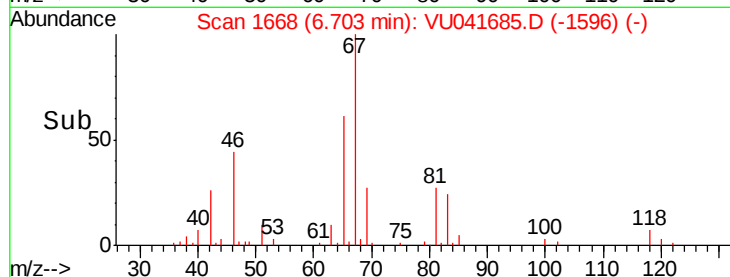
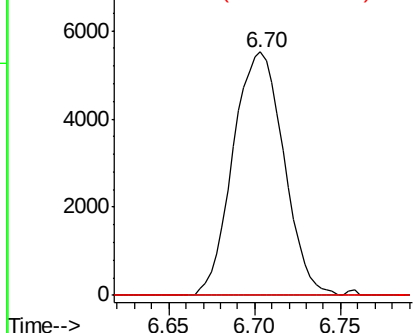
#35
Methvlcvclohexane
Concen: 0.872 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041685.D
Acq: 18 Dec 2020 17:47

Instrument :
MSVOA_U
ClientSampleId :
ETZB6

Tot Ion: 83 Resp: 11330
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.7 36.6 54.8#

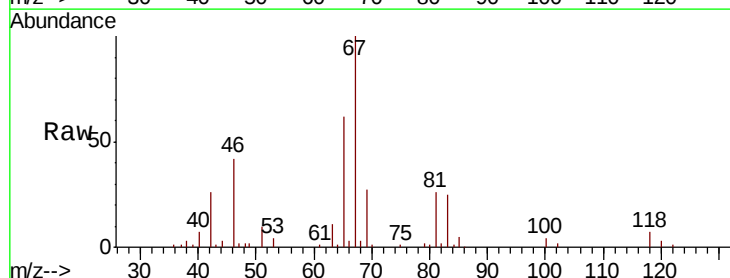


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

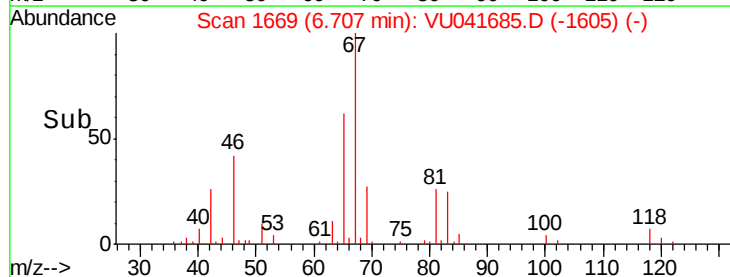
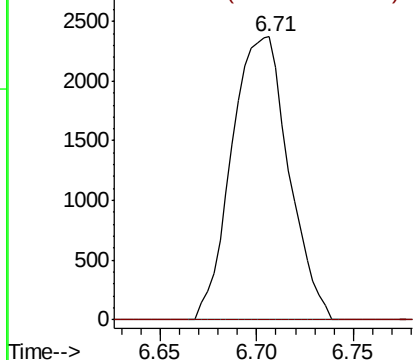


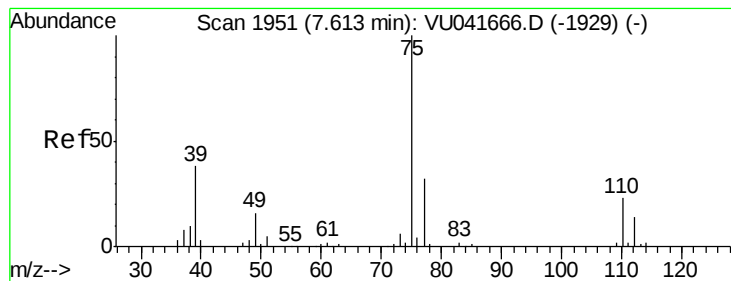
#37
1,2-Dichloropropane
Concen: 0.593 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041685.D
Acq: 18 Dec 2020 17:47

Tgt Ion: 63 Resp: 4853
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



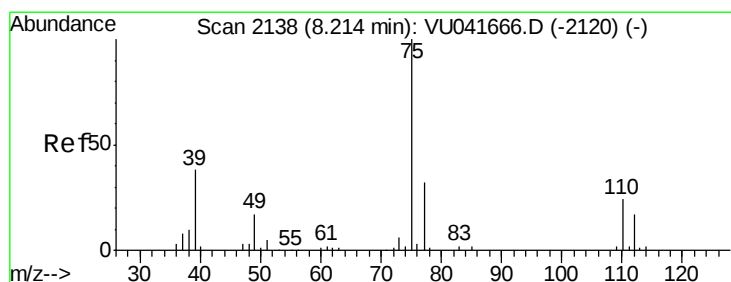
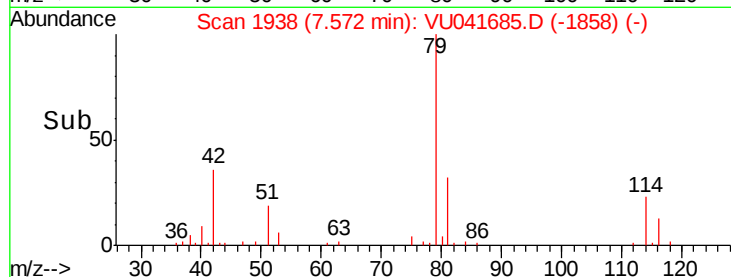
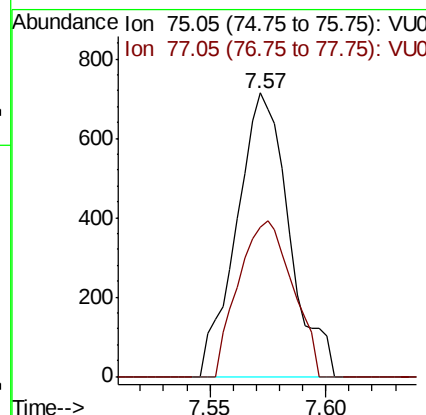
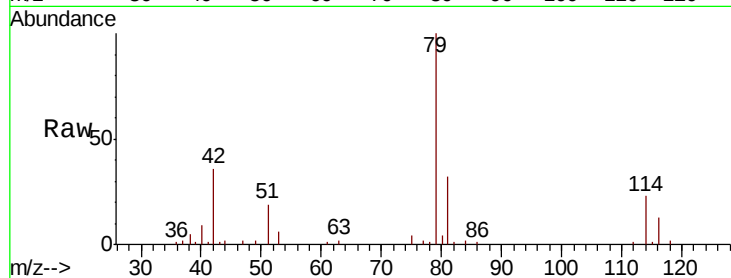


#39

cis-1,3-Dichloropropene
Concen: 0.093 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041685.D
Acq: 18 Dec 2020 17:47

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ETZB6

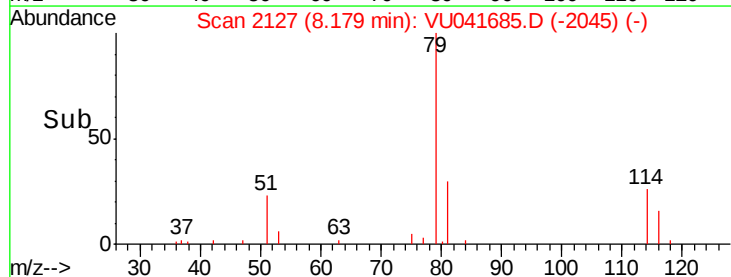
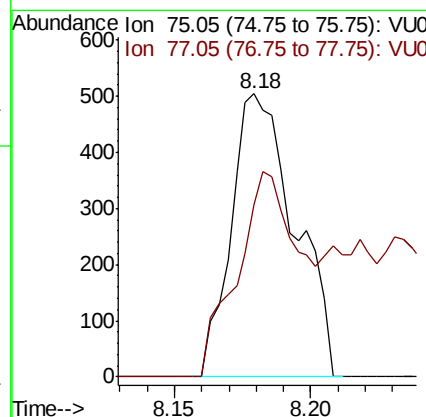
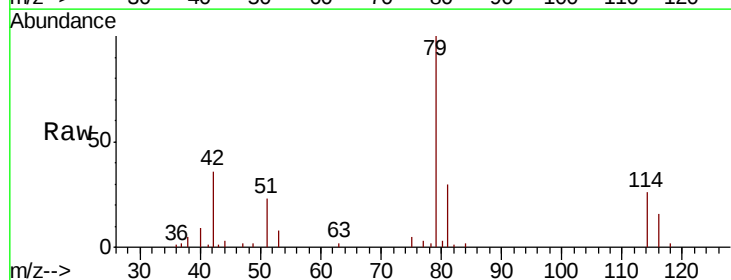
Tot Ion: 75 Resp: 1125
Ion Ratio Lower Upper
75 100
77 52.5 22.3 41.3#

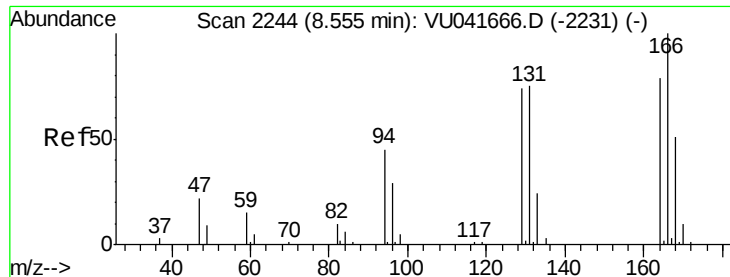


#44

trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 8.18 min Scan# 2127
Delta R.T. -0.04 min
Lab File: VU041685.D
Acq: 18 Dec 2020 17:47

Tgt Ion: 75 Resp: 816
Ion Ratio Lower Upper
75 100
77 60.7 23.8 44.2#





#47

Tetrachloroethene

Concen: 4.034 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041685.D

Acq: 18 Dec 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

ETZB6

Tot Ion:164 Resp: 22694

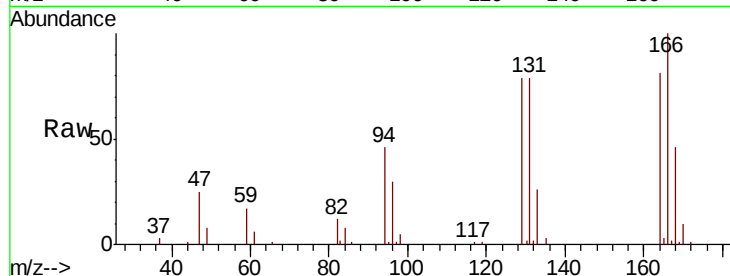
Ion Ratio Lower Upper

164 100

129 98.7 72.2 134.0

131 98.7 66.9 124.3

166 124.2 89.6 166.4

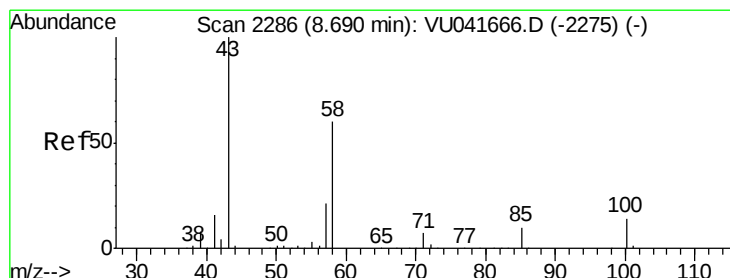
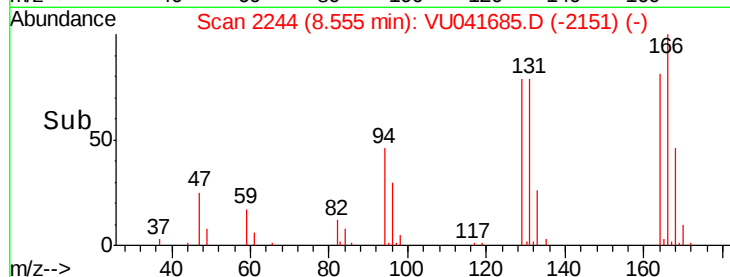
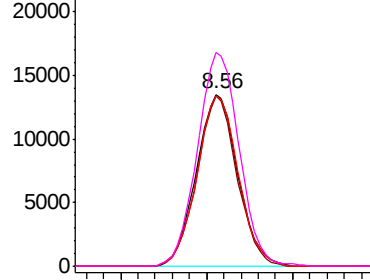


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.462 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. 0.01 min

Lab File: VU041685.D

Acq: 18 Dec 2020 17:47

Tgt Ion: 43 Resp: 1958

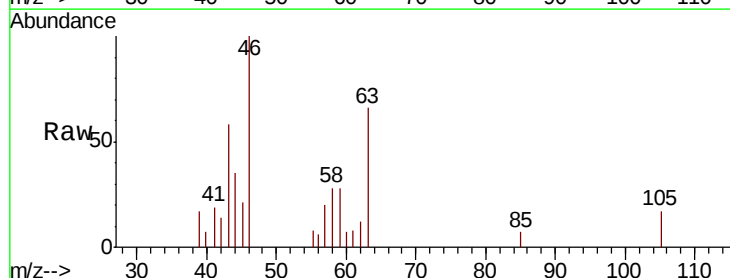
Ion Ratio Lower Upper

43 100

58 20.5 47.9 71.9#

57 28.1 16.5 24.7#

100 1.1 9.4 14.2#

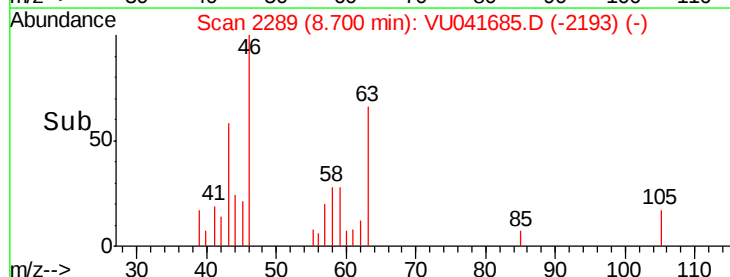
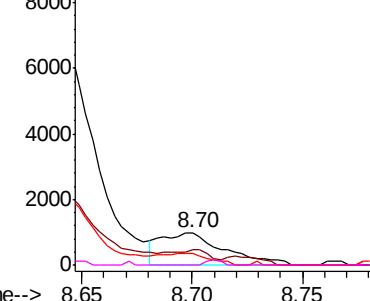


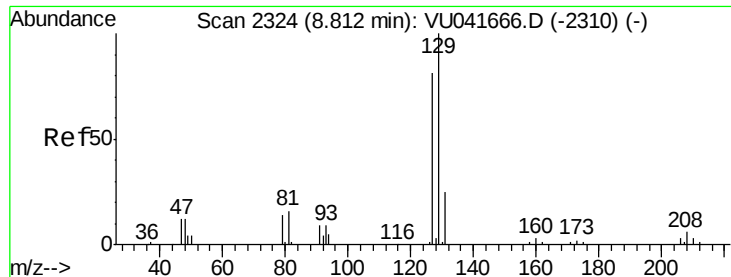
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#49

Dibromochloromethane

Concen: 3.111 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041685.D

Acq: 18 Dec 2020 17:47

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ClientSampleId :

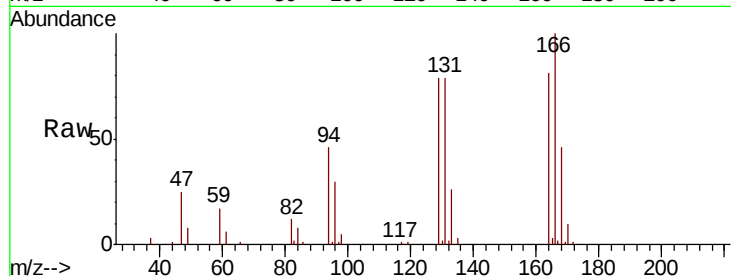
ETZB6

Tot Ion:129 Resp: 21615

Ion Ratio Lower Upper

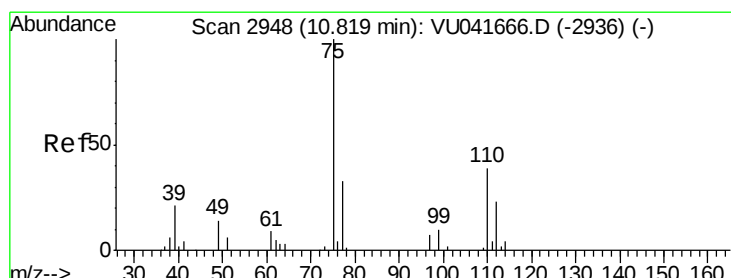
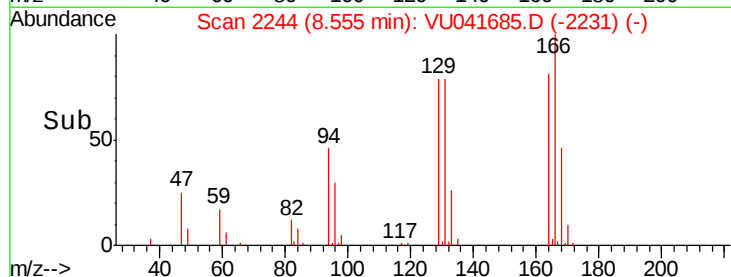
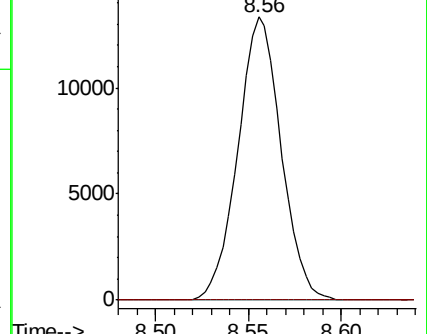
129 100

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: 0.773 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041685.D

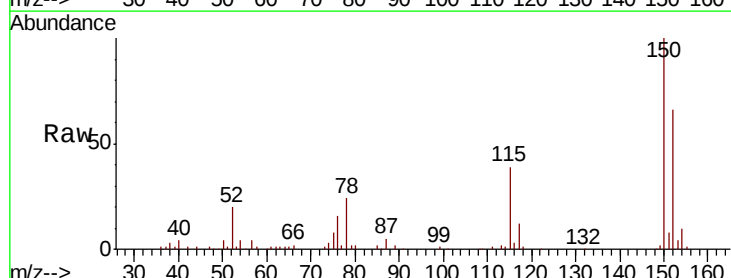
Acq: 18 Dec 2020 17:47

Tgt Ion: 75 Resp: 4746

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

