

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101320\
 Data File : VU040687.D
 Acq On : 13 Oct 2020 16:58
 Operator : SY/MD
 Sample : L4346-06DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ5DL

Quant Time: Oct 14 06:06:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 14 05:57:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114102	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118553	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48096	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41213	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.92	69	37126	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.58	63	65079	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.66	46	180478	59.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.30%
24) Chloroform-d	5.08	84	89637	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.72	65	55753	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.75	84	158209	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	56914	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.91	98	124478	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.19	79	22140	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.64	63	124783	53.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50383	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51632	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

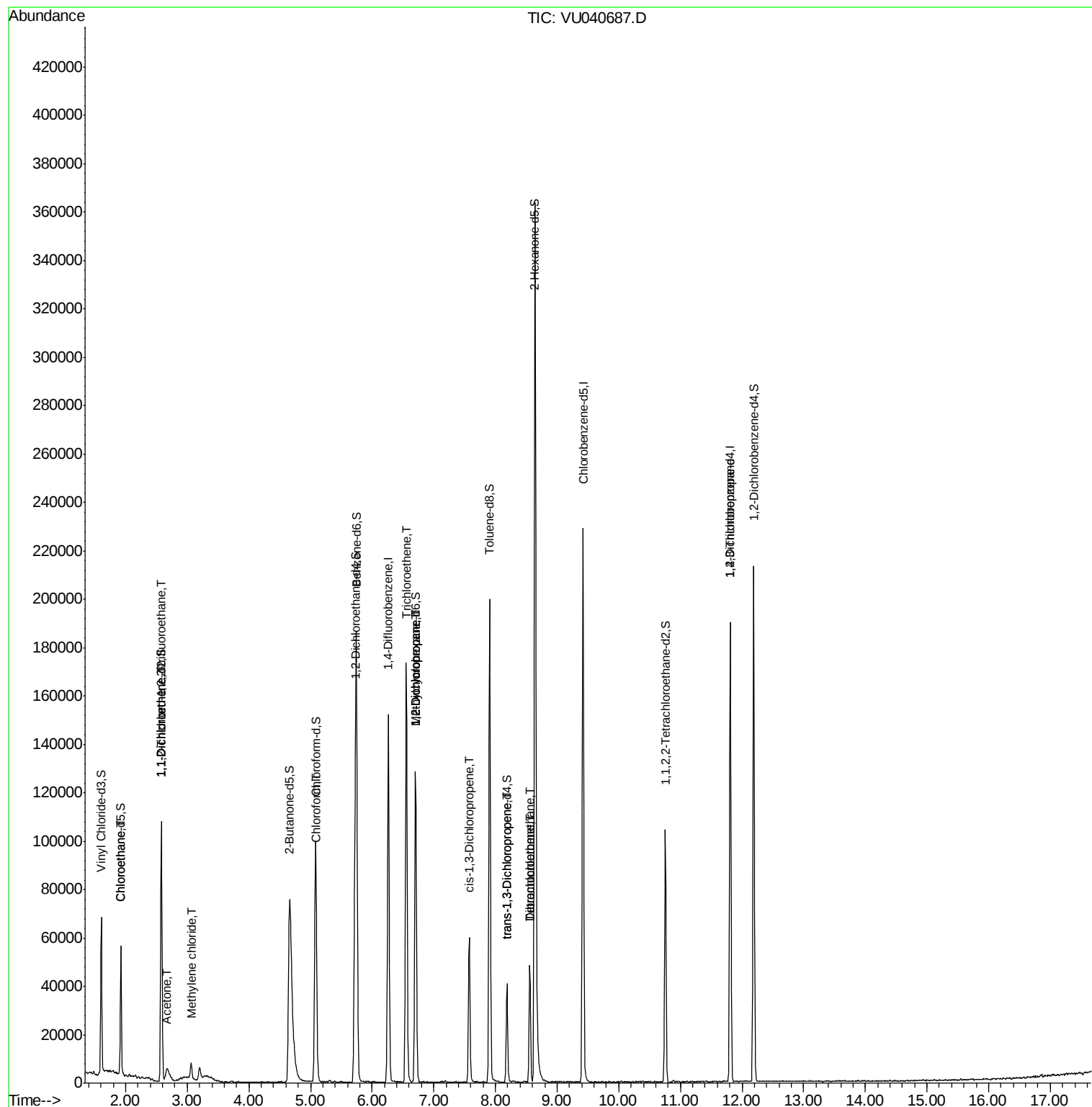
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.92	64	487	0.075	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	596	0.063	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	662	0.081	ug/L #	1
13) Acetone	2.68	43	14652	6.248	ug/L	75
16) Methylene chloride	3.06	84	2774	0.265	ug/L	96
25) Chloroform	5.10	83	3034	0.169	ug/L	94
34) Trichloroethene	6.56	95	56952	5.769	ug/L	98
35) Methylcyclohexane	6.71	83	13152	0.939	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6285	0.592	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1622	0.112	ug/L #	38
44) trans-1,3-Dichloropropene	8.19	75	961	0.072	ug/L #	77
47) Tetrachloroethene	8.56	164	10449	1.483	ug/L	95
49) Dibromochloromethane	8.56	129	9766	1.068	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6514	0.836	ug/L	96

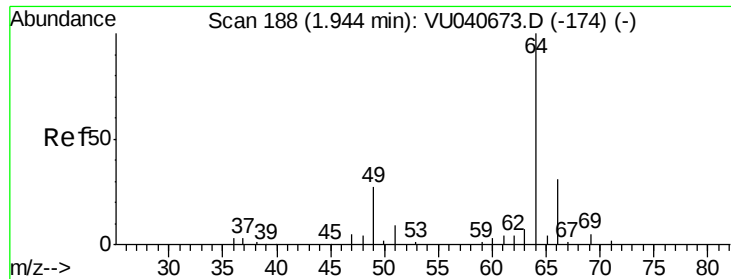
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 14 05:57:05 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.075 ug/L

RT: 1.92 min Scan# 179

Delta R.T. -0.03 min

Lab File: VU040687.D

Acq: 13 Oct 2020 16:58

Instrument :

MSVOA_U

ClientSampled :

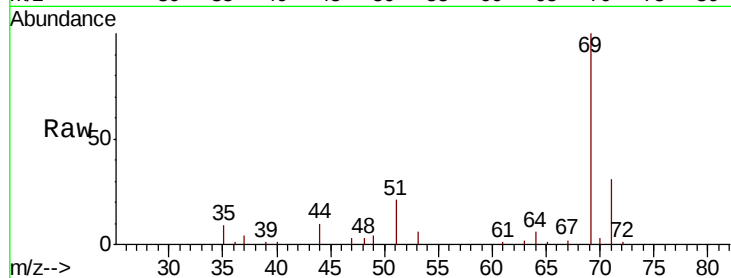
YAZ5DL

Tot Ion: 64 Resp: 487

Ion Ratio Lower Upper

64 100

66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

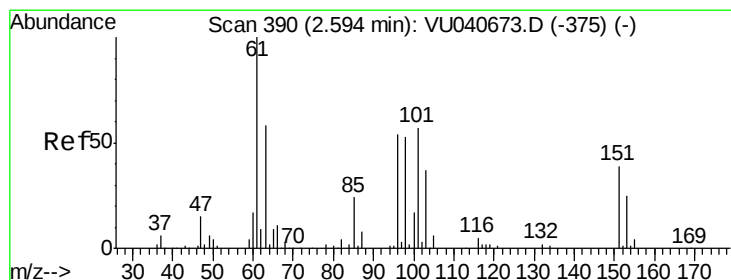
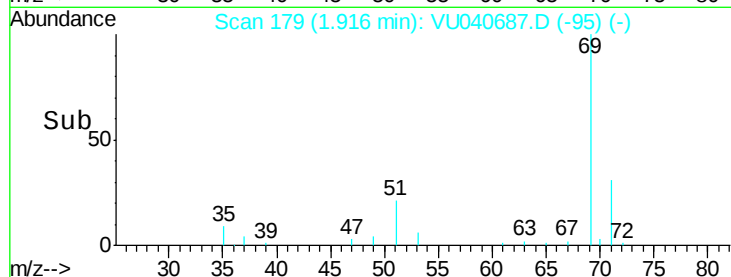
1.92

1000

500

0

Time-->



#10

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

Concen: 0.063 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040687.D

Acq: 13 Oct 2020 16:58

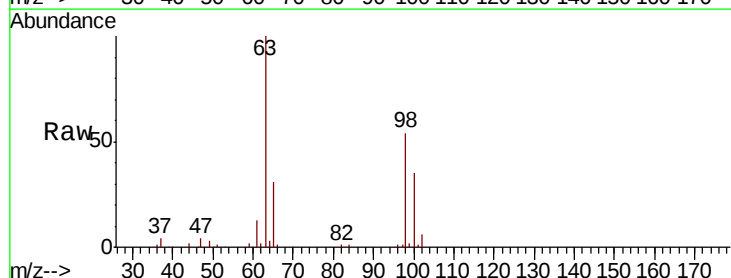
Tgt Ion: 101 Resp: 596

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

400

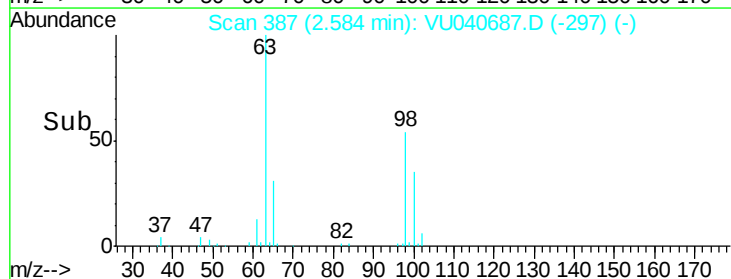
300

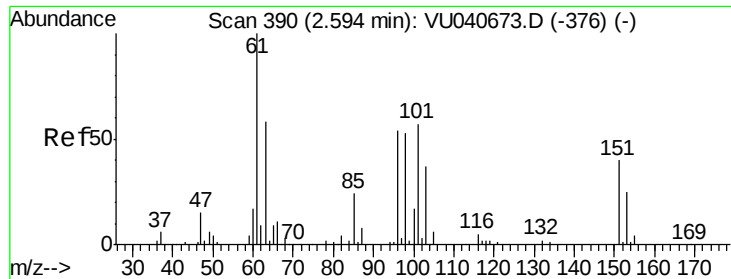
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.081 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040687.D

Acq: 13 Oct 2020 16:58

Instrument :

MSVOA_U

ClientSampled :

YAZ5DL

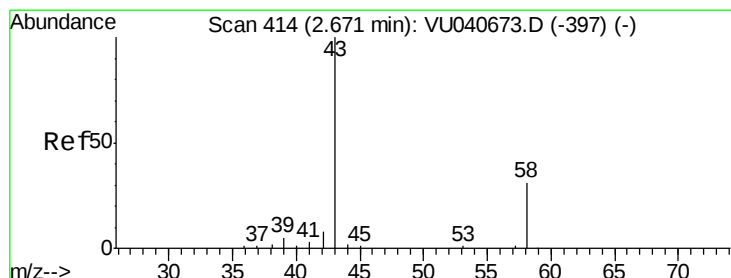
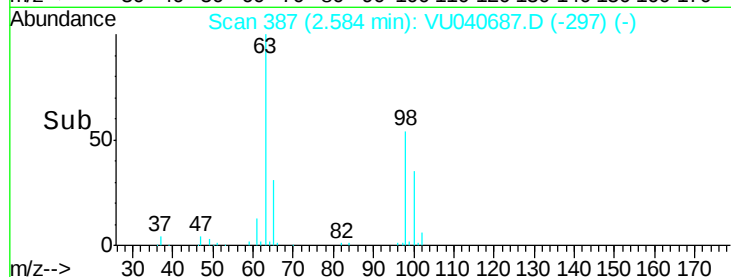
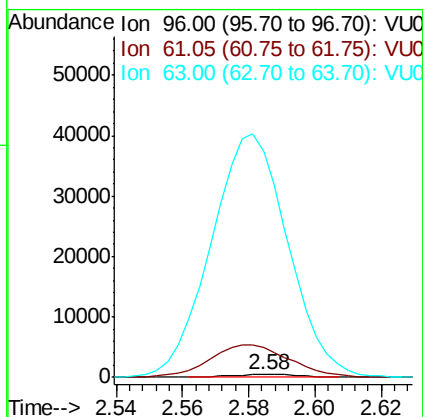
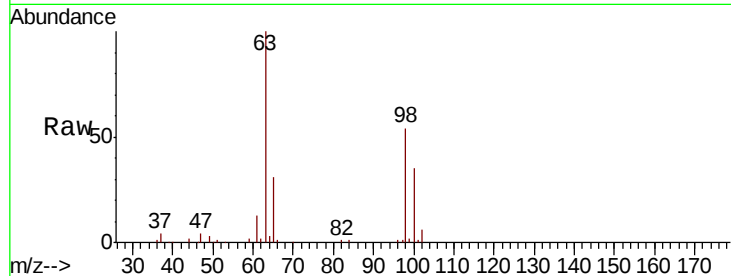
Tot Ion: 96 Resp: 662

Ion Ratio Lower Upper

96 100

61 1056.6 128.8 239.2#

63 8124.9 84.6 157.2#



#13

Acetone

Concen: 6.248 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU040687.D

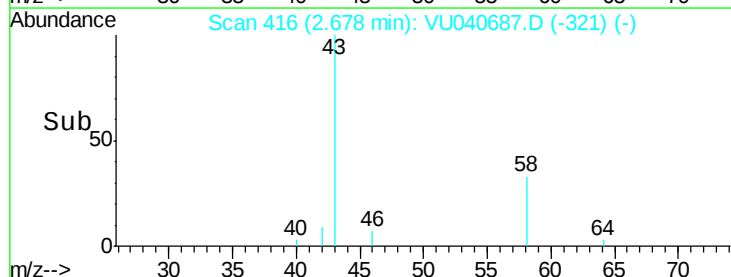
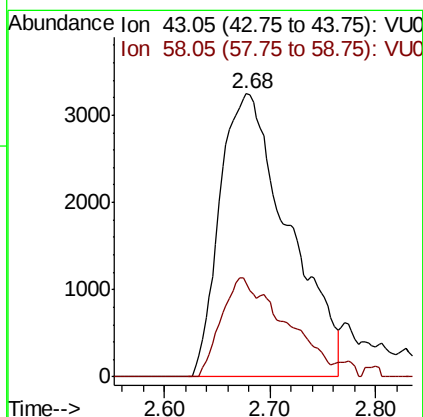
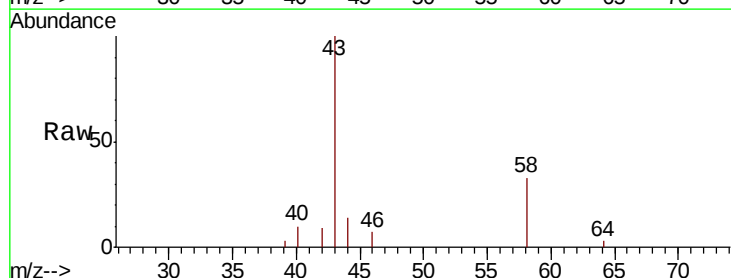
Acq: 13 Oct 2020 16:58

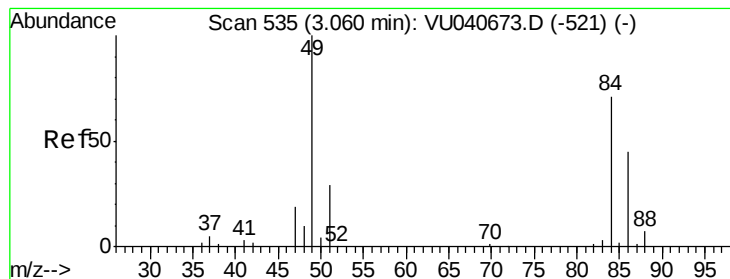
Tgt Ion: 43 Resp: 14652

Ion Ratio Lower Upper

43 100

58 16.8 0.0 60.6





#16

Methylene chloride

Concen: 0.265 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040687.D

Acq: 13 Oct 2020 16:58

Instrument :

MSVOA_U

ClientSampleId :

YQZ5DL

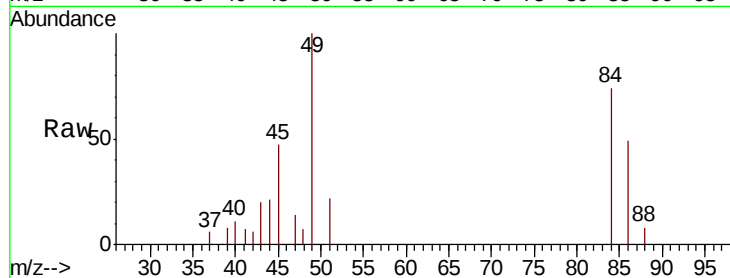
Tot Ion: 84 Resp: 2774

Ion Ratio Lower Upper

84 100

86 66.8 45.4 84.4

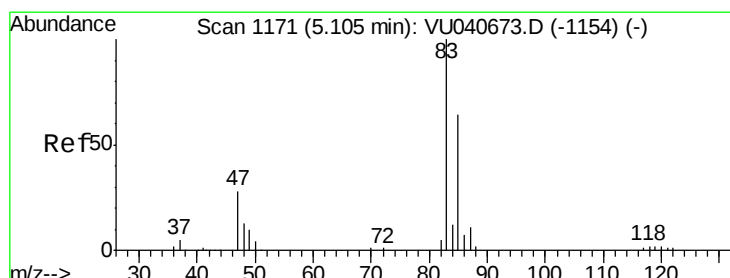
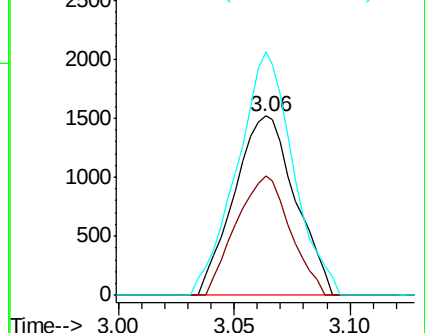
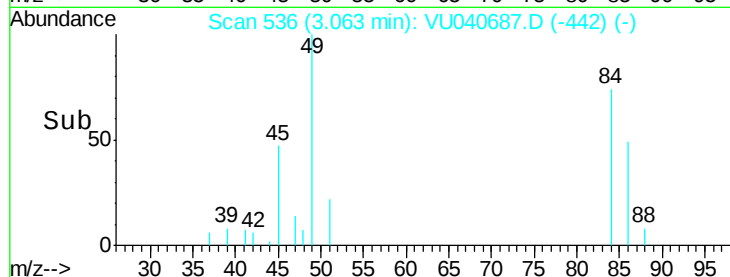
49 136.0 99.8 185.3



Abundance Ion 84.05 (83.75 to 84.75): VU040687.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040687.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU040687.D (-442) (-)



#25

Chloroform

Concen: 0.169 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040687.D

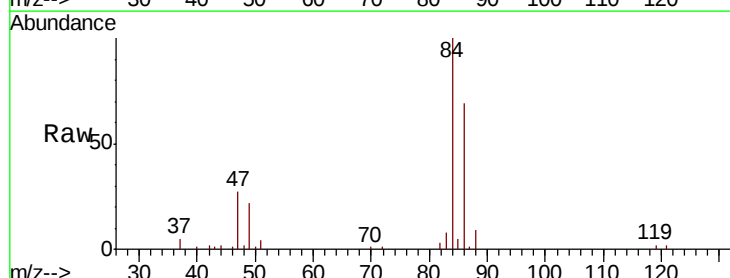
Acq: 13 Oct 2020 16:58

Tgt Ion: 83 Resp: 3034

Ion Ratio Lower Upper

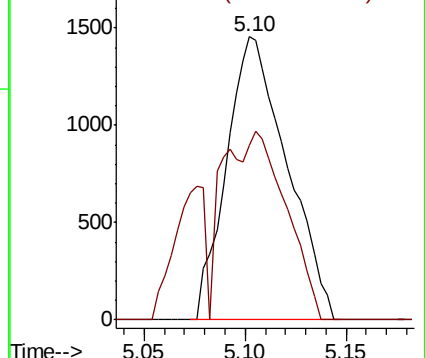
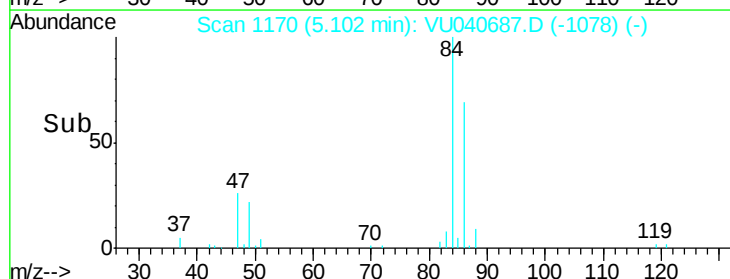
83 100

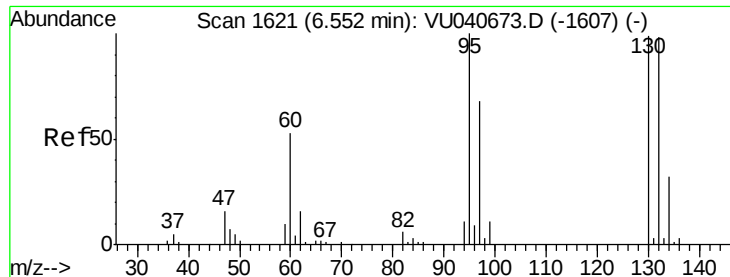
85 61.7 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040687.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040687.D (-1078) (-)

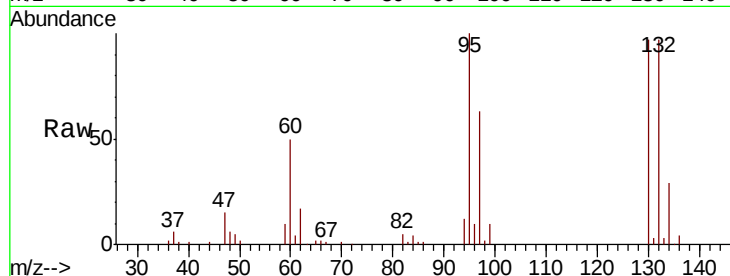




#34
 Trichloroethene
 Concen: 5.769 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040687.D
 Acq: 13 Oct 2020 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ5DL

Tot Ion:	95	Resp:	56952
Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.5	84.5
132	96.7	67.5	125.4
130	97.3	69.9	129.9

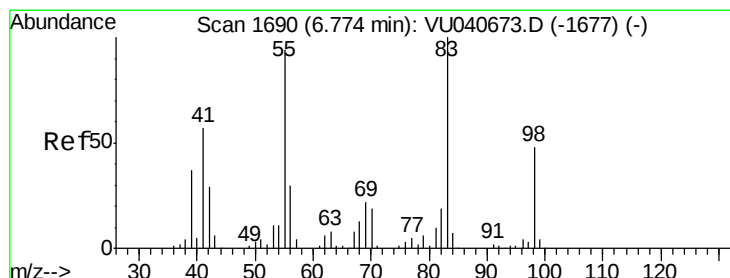
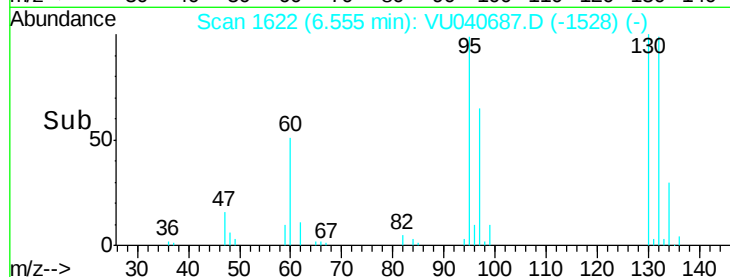
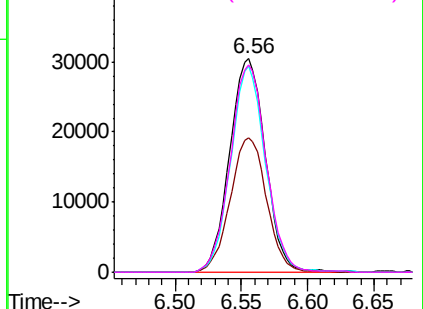


Abundance Ion 95.00 (94.70 to 95.70): VU040687.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040687.D (-1528) (-)

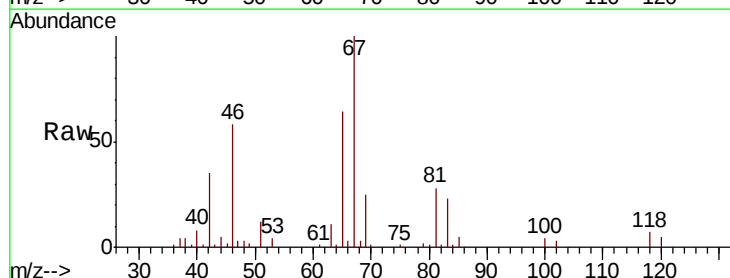
Ion 131.95 (131.65 to 132.65): VU040687.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040687.D (-1528) (-)



#35
 Methylcyclohexane
 Concen: 0.939 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU040687.D
 Acq: 13 Oct 2020 16:58

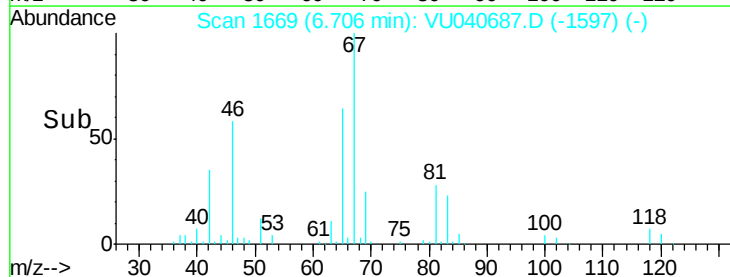
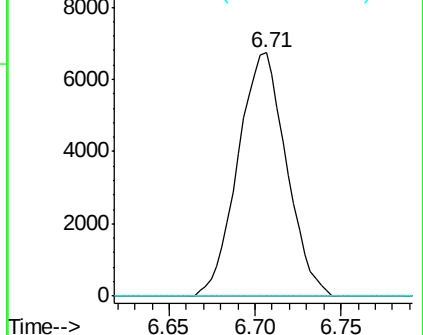
Tgt Ion:	83	Resp:	13152
Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.7	106.1#
98	0.0	38.4	57.6#

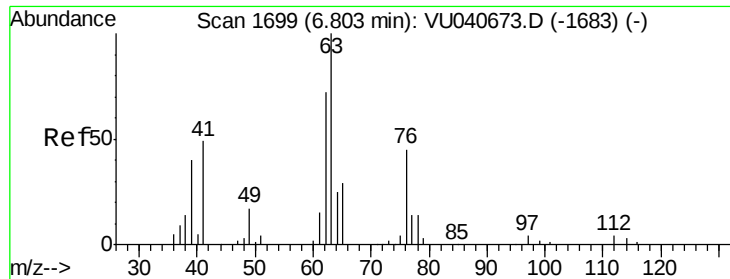


Abundance Ion 83.15 (82.85 to 83.85): VU040687.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040687.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040687.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 0.592 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040687.D

Acq: 13 Oct 2020 16:58

Instrument :

MSVOA_U

ClientSampleId :

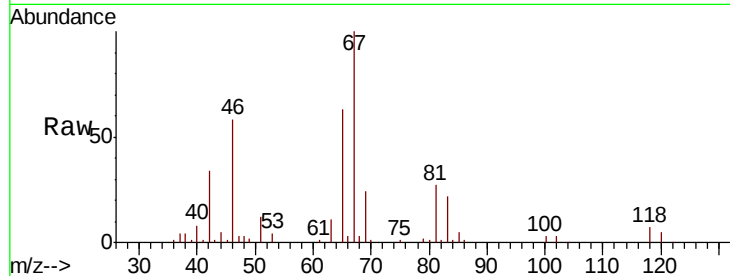
YAZ5DL

Tot Ion: 63 Resp: 6285

Ion Ratio Lower Upper

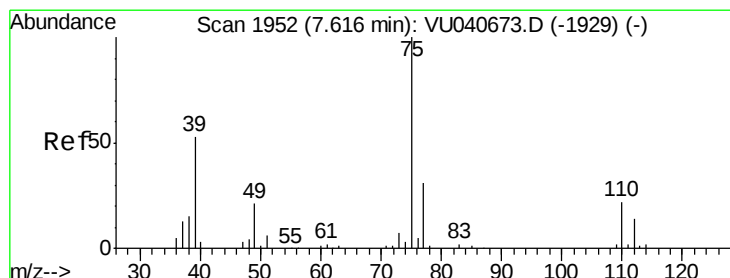
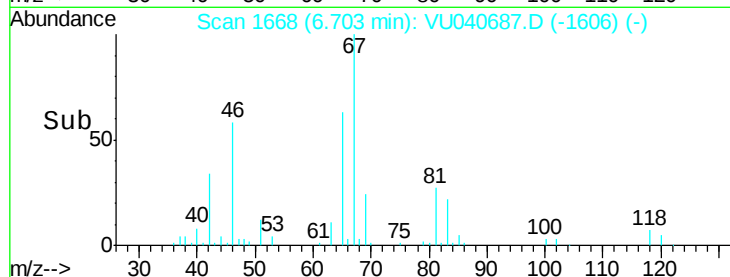
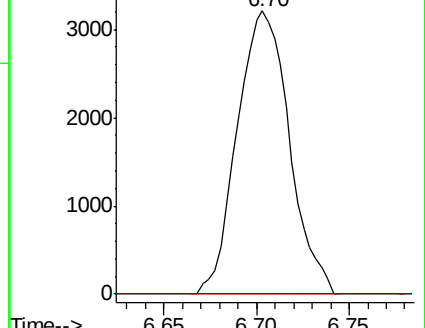
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU040687.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU040687.D (-1668) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040687.D

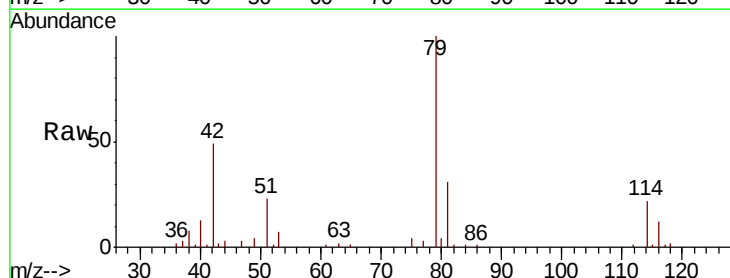
Acq: 13 Oct 2020 16:58

Tgt Ion: 75 Resp: 1622

Ion Ratio Lower Upper

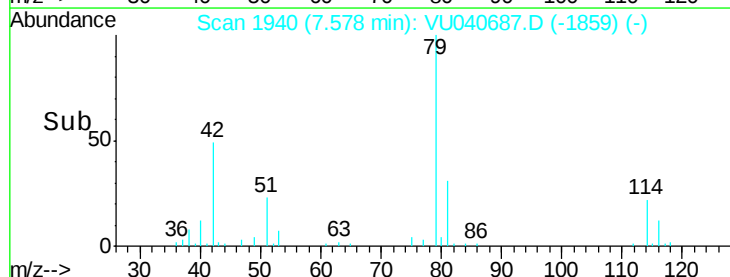
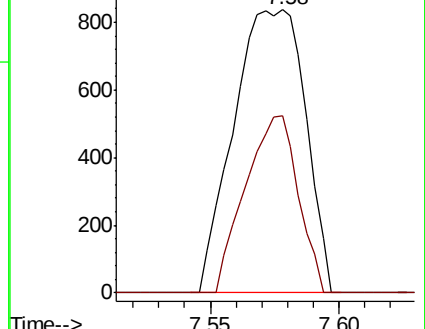
75 100

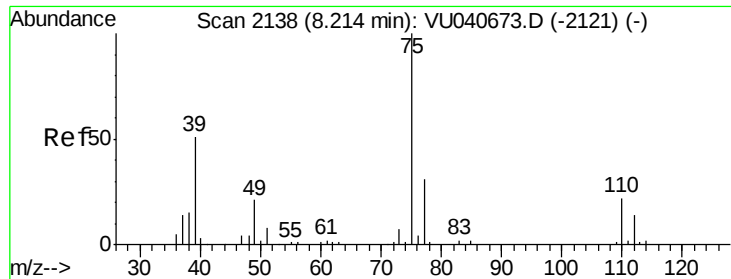
77 62.6 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU040687.D (-1859) (-)

Ion 77.05 (76.75 to 77.75): VU040687.D (-1859) (-)

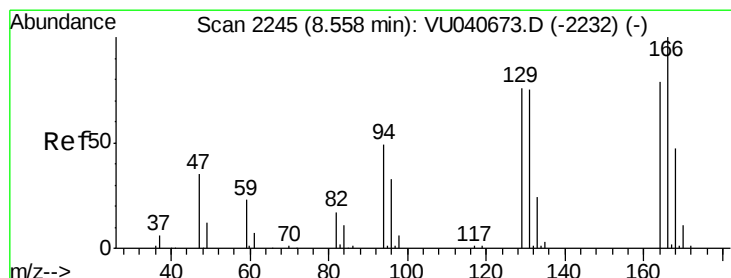
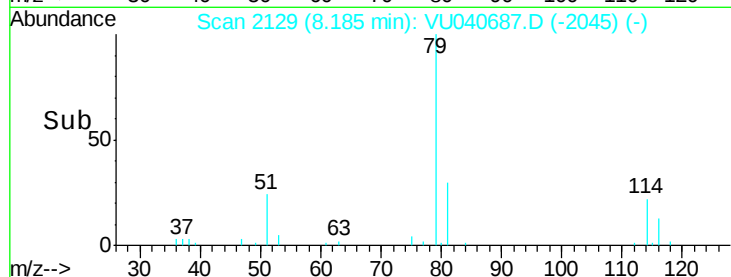
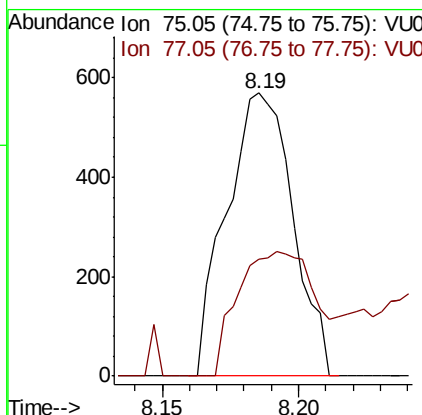
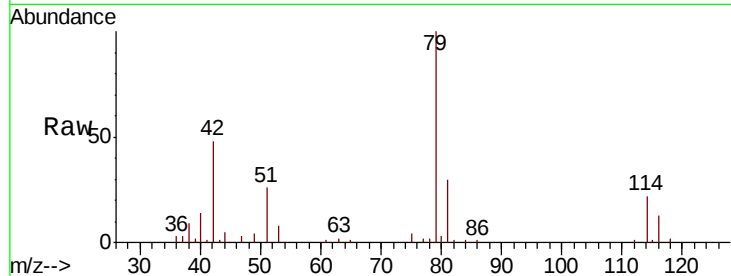




#44
trans-1,3-Dichloropropene
Concen: 0.072 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040687.D
Acq: 13 Oct 2020 16:58

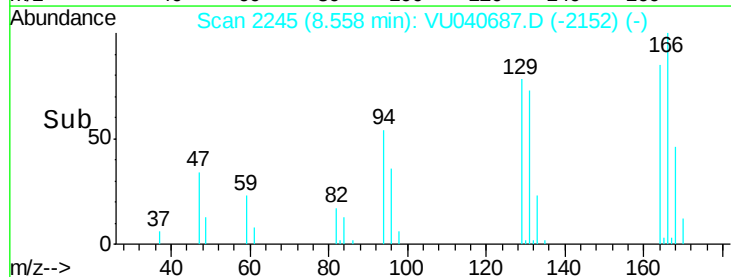
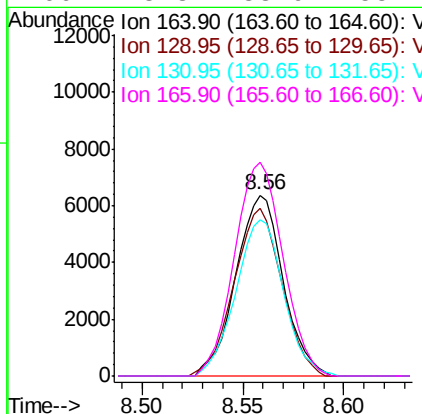
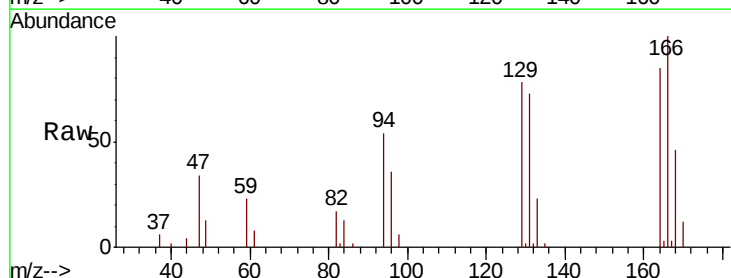
Instrument :
MSVOA_U
ClientSampleId :
YQZ5DL

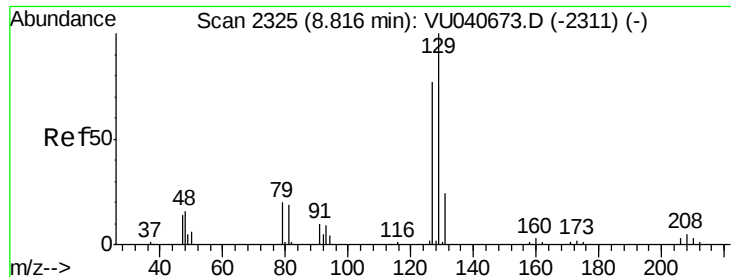
Tot Ion: 75 Resp: 961
Ion Ratio Lower Upper
75 100
77 41.5 20.4 38.0#



#47
Tetrachloroethene
Concen: 1.483 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040687.D
Acq: 13 Oct 2020 16:58

Tgt Ion:164 Resp: 10449
Ion Ratio Lower Upper
164 100
129 92.5 68.8 127.8
131 86.7 66.7 123.9
166 118.3 83.9 155.7





#49

Dibromochloromethane

Concen: 1.068 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU040687.D

Acq: 13 Oct 2020 16:58

Instrument :

MSVOA_U

ClientSampleId :

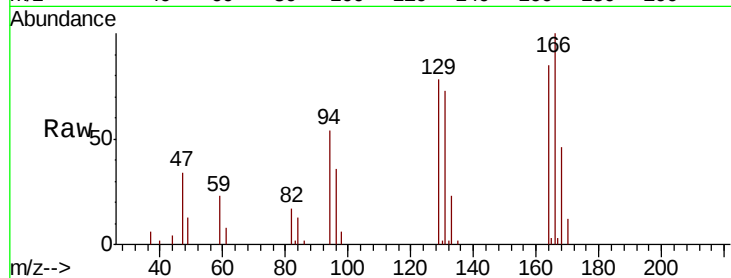
YQZ5DL

Tot Ion:129 Resp: 9766

Ion Ratio Lower Upper

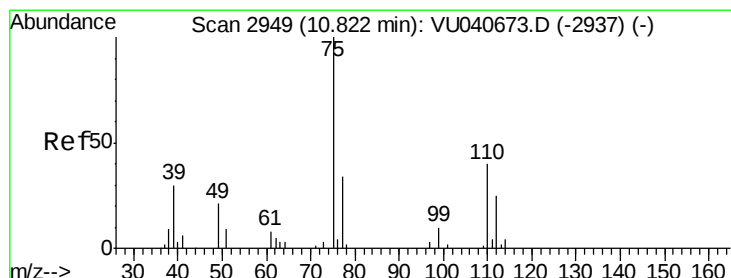
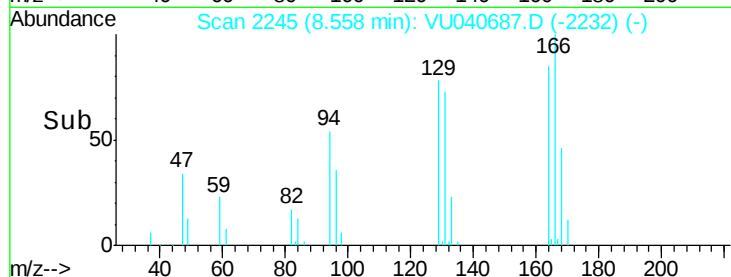
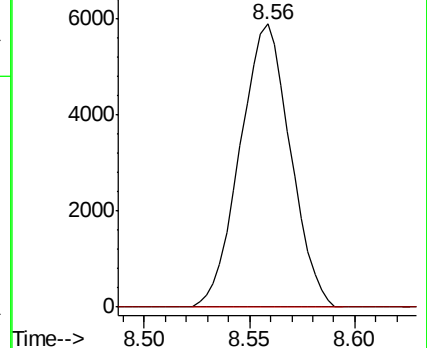
129 100

127 0.0 55.8 103.6#



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: 0.836 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040687.D

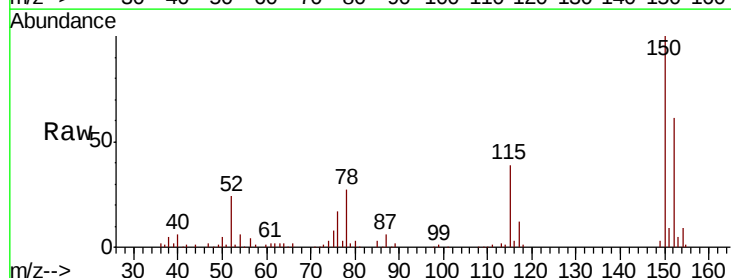
Acq: 13 Oct 2020 16:58

Tgt Ion: 75 Resp: 6514

Ion Ratio Lower Upper

75 100

77 35.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

