

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040888.D
 Acq On : 21 Oct 2020 21:23
 Operator : SY/MD
 Sample : L4428-13DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ47DL

Quant Time: Oct 22 00:53:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	216876	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	228454	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	95080	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	67688	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.92	69	63576	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	108764	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.65	46	343877	65.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.28%#
24) Chloroform-d	5.08	84	156818	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.72	65	99147	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.74	84	273178	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.70	67	100623	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.91	98	212296	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
43) trans-1,3-Dichloropropene-	8.19	79	38217	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	250451	61.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	95060	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	87784	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	17489	0.787	ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1023	0.060	ug/L #	21
12) 1,1-Dichloroethene	2.59	96	1254	0.079	ug/L #	1
16) Methylene chloride	3.06	84	10643	0.545	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	115947	6.410	ug/L	99
34) Trichloroethene	6.56	95	72268	3.867	ug/L	97
35) Methylcyclohexane	6.70	83	22940	0.820	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	11454	0.578	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	2520	0.095	ug/L #	42
44) trans-1,3-Dichloropropene	8.19	75	1922	0.080	ug/L #	56
45) 1,1,2-Trichloroethane	8.56	97	2367	0.175	ug/L #	27
47) Tetrachloroethene	8.56	164	205042	14.740	ug/L	99
48) 2-Hexanone	8.64	43	37360	3.860	ug/L #	69
49) Dibromochloromethane	8.56	129	201739	12.515	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	13245	1.028	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.76	75	198	0.075	ug/L #	12

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QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

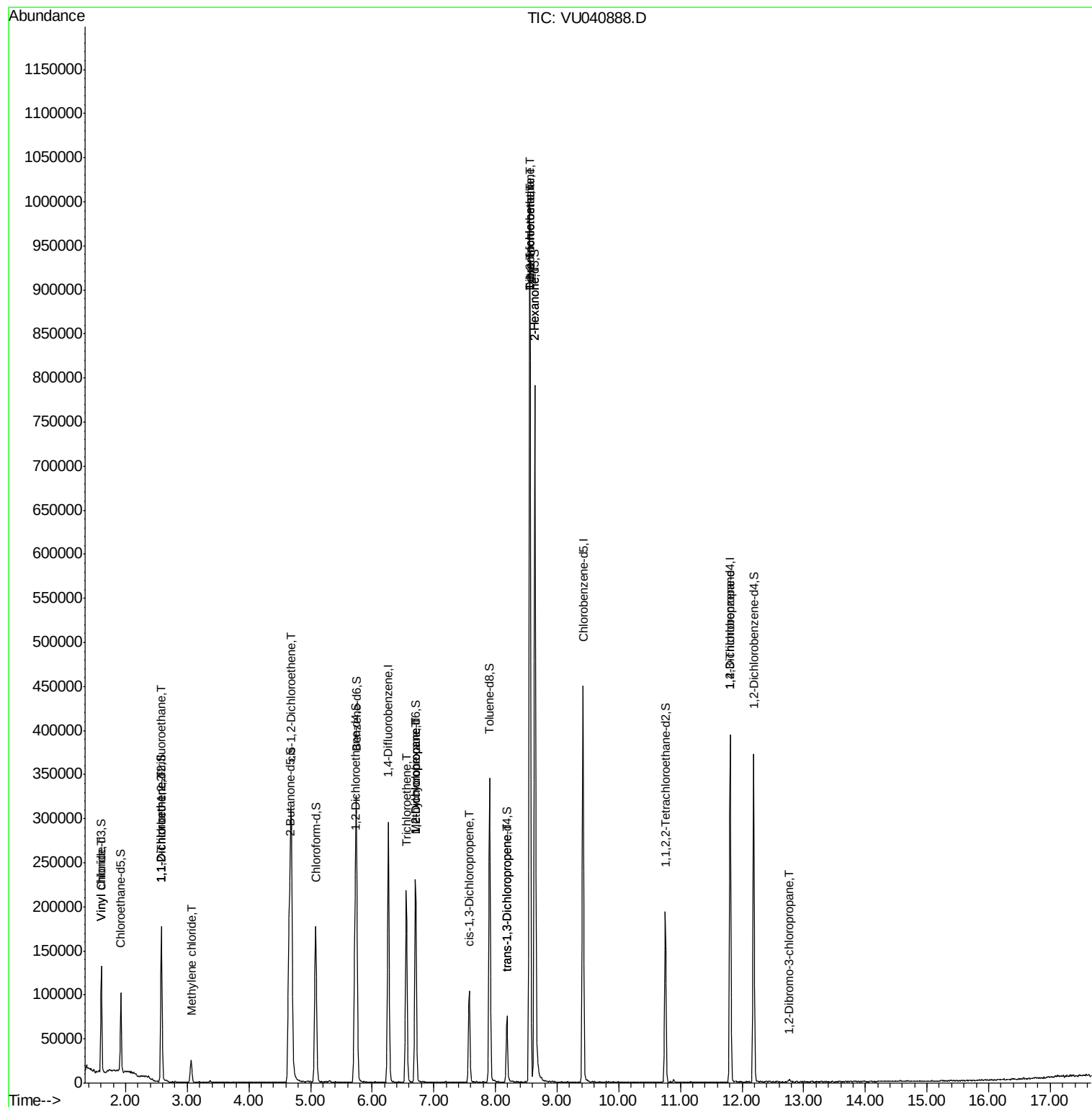
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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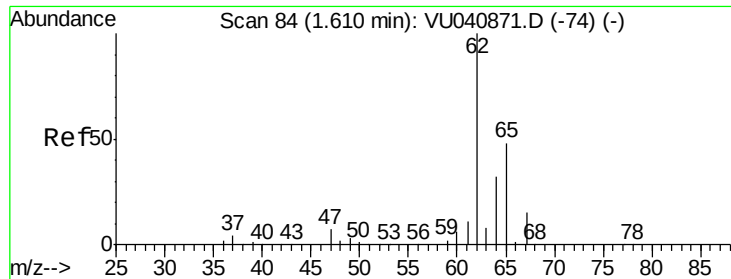
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.787 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

Instrument :

MSVOA_U

ClientSampleId :

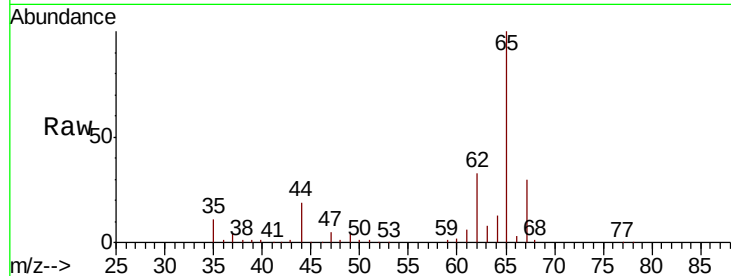
ETZ47DL

Tot Ion: 62 Resp: 17489

Ion Ratio Lower Upper

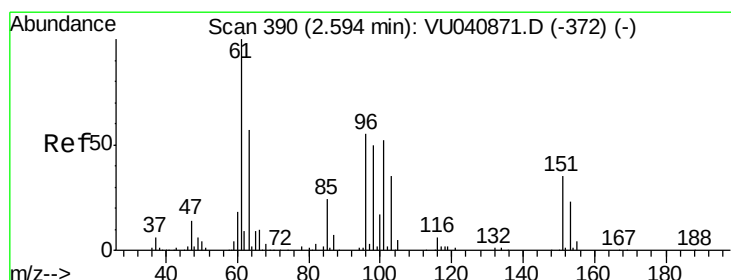
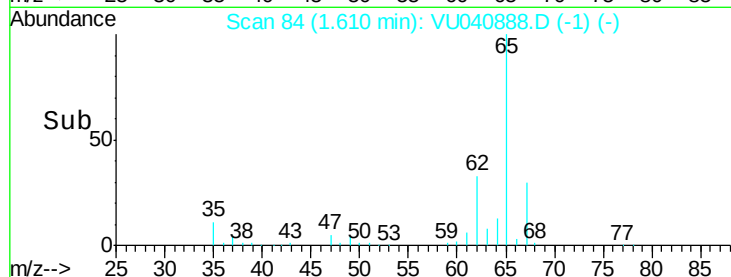
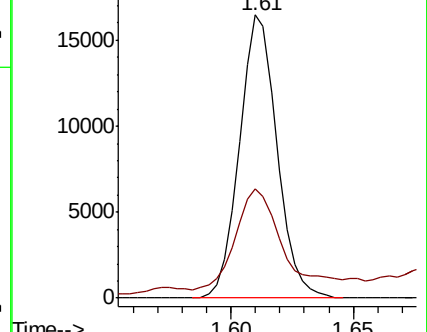
62 100

64 38.4 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VU040888.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU040888.D (-1) (-)



#10

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

Concen: 0.060 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

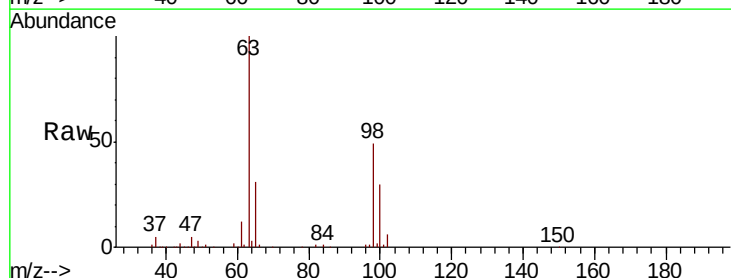
Tgt Ion: 101 Resp: 1023

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

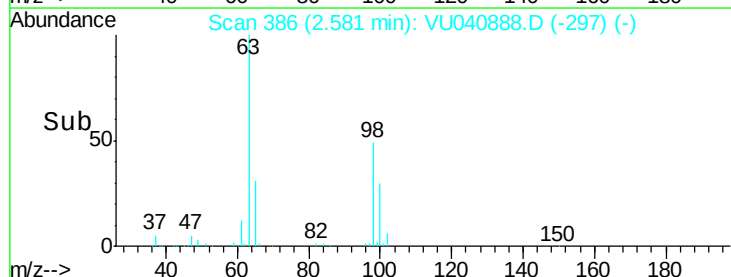
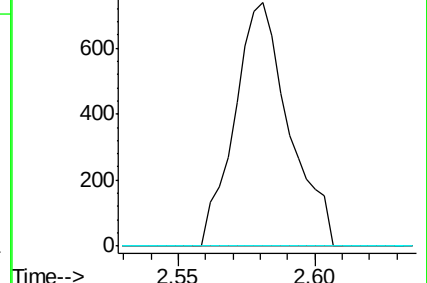
151 0.0 56.3 84.5#

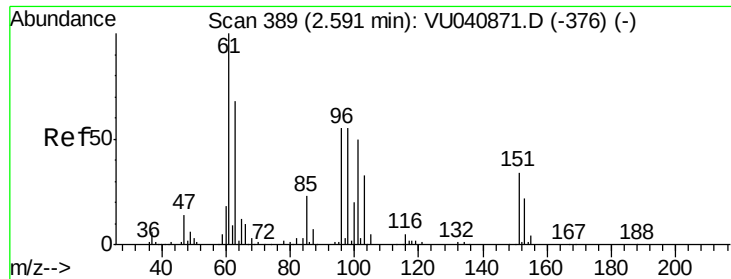


Abundance Ion 101.00 (100.70 to 101.70): VU040888.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040888.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040888.D (-297) (-)





#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

Instrument :

MSVOA_U

ClientSampleId :

ETZ47DL

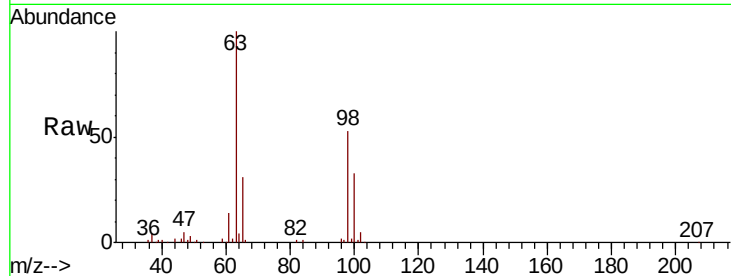
Tot Ion: 96 Resp: 1254

Ion Ratio Lower Upper

96 100

61 650.3 130.9 243.1#

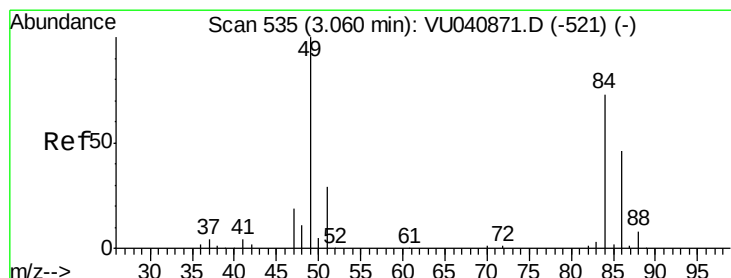
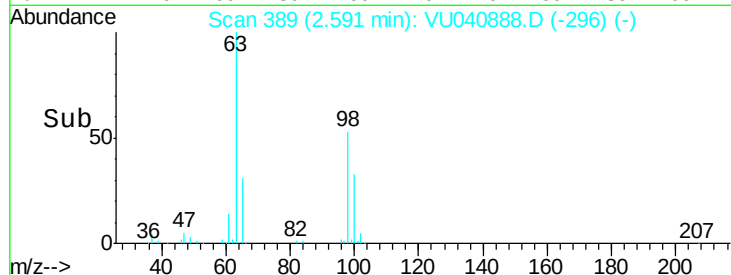
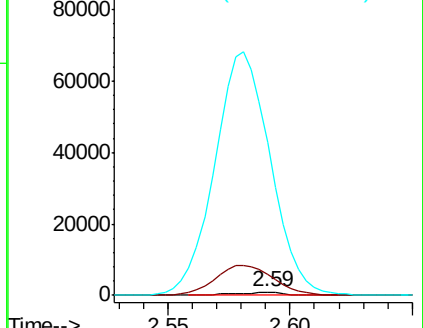
63 4721.2 85.4 158.6#



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: 0.545 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

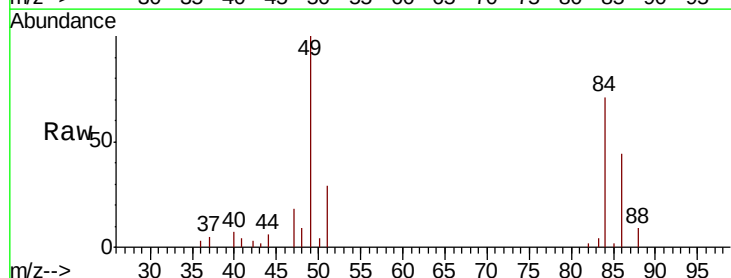
Tgt Ion: 84 Resp: 10643

Ion Ratio Lower Upper

84 100

86 62.1 44.9 83.5

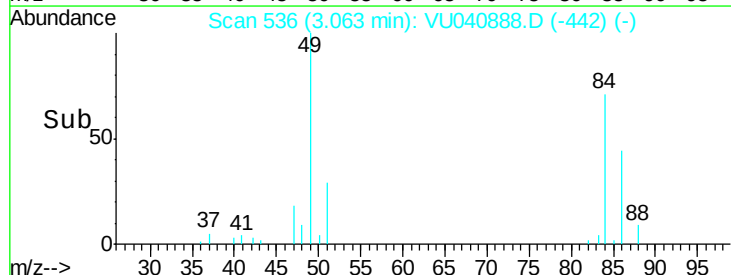
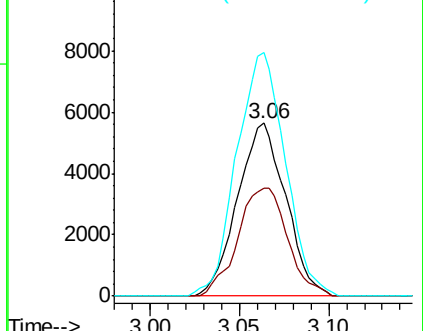
49 140.6 94.7 175.9

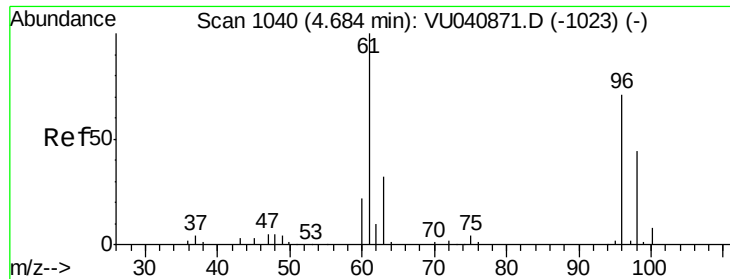


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

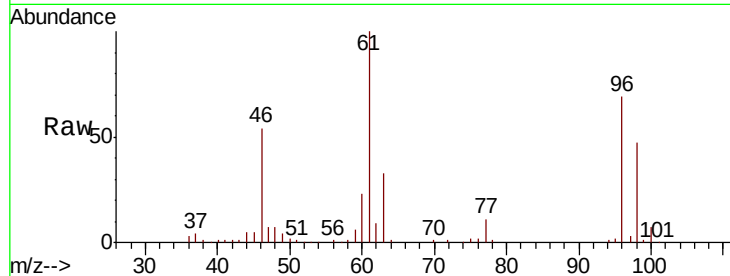




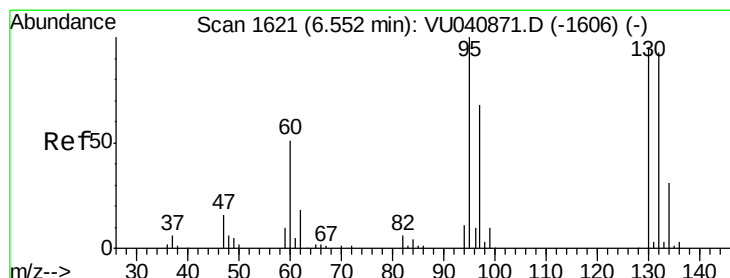
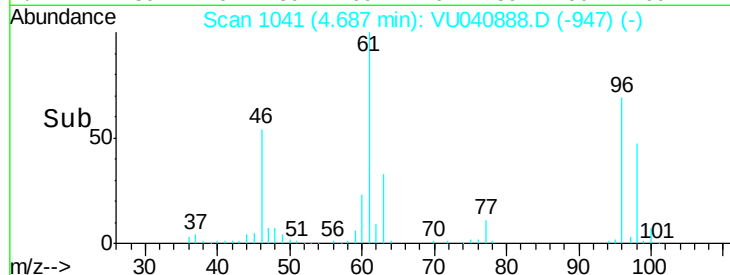
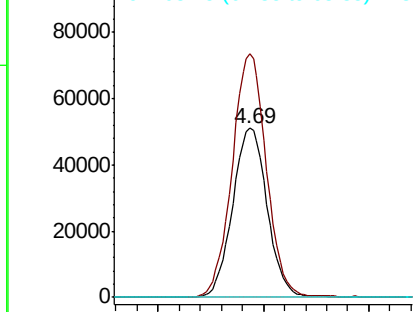
#22
 cis-1,2-Dichloroethene
 Concen: 6.410 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040888.D
 Acq: 21 Oct 2020 21:23

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ47DL

Tot Ion: 96 Resp: 115947
 Ion Ratio Lower Upper
 96 100
 61 144.2 100.0 185.6
 68 0.0 0.0 0.0

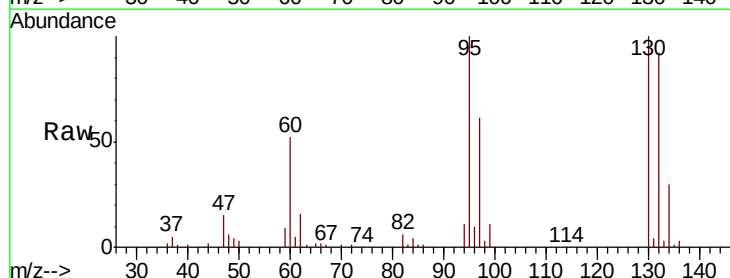


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

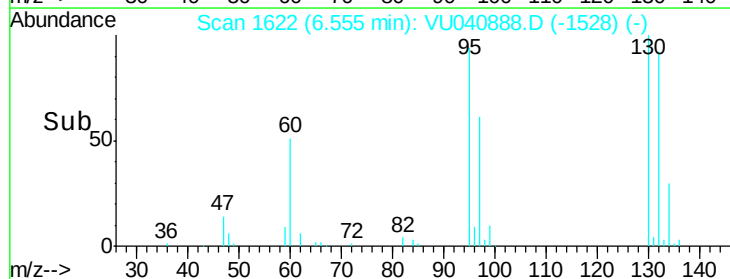
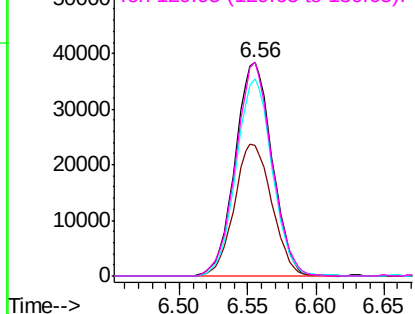


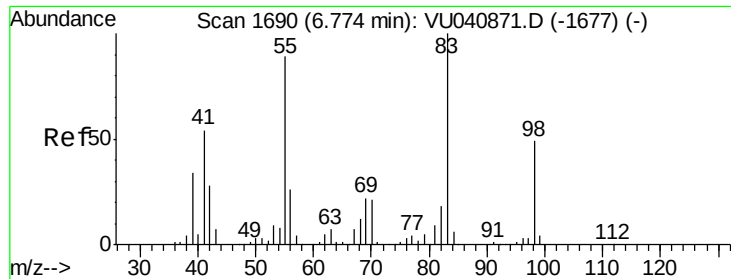
#34
 Trichloroethene
 Concen: 3.867 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040888.D
 Acq: 21 Oct 2020 21:23

Tgt Ion: 95 Resp: 72268
 Ion Ratio Lower Upper
 95 100
 97 61.0 46.0 85.4
 132 92.1 63.6 118.2
 130 100.1 68.6 127.4



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

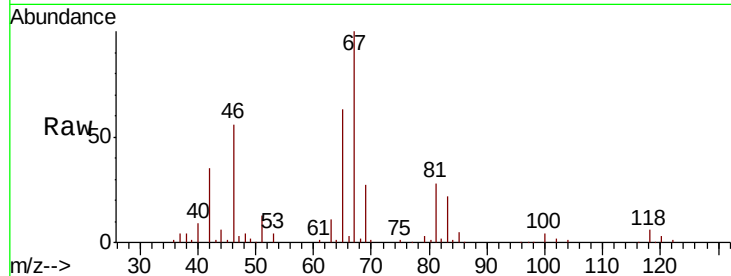




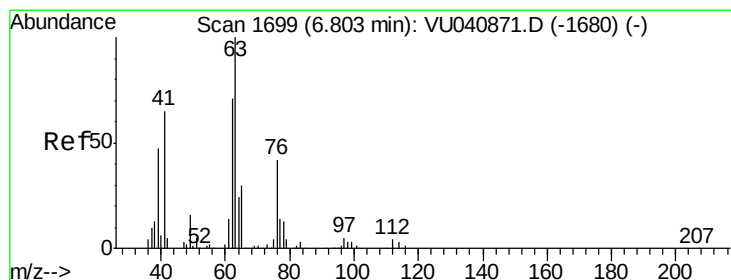
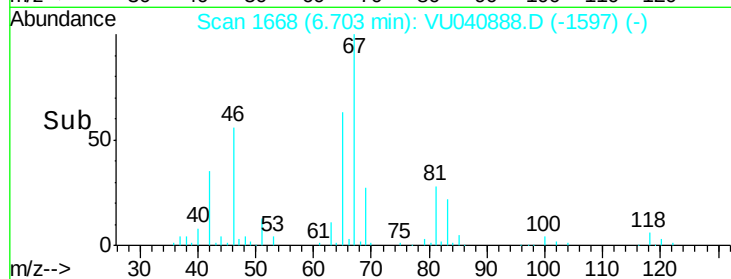
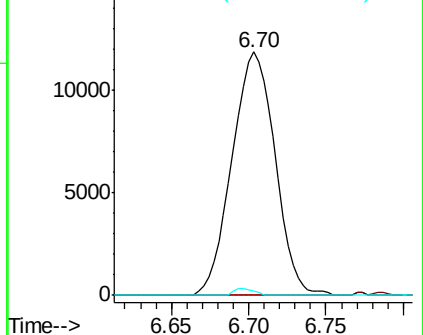
#35
Methylvlcyclohexane
Concen: 0.820 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040888.D
Acq: 21 Oct 2020 21:23

Instrument :
MSVOA_U
ClientSampleId :
ETZ47DL

Tot Ion: 83 Resp: 22940
Ion Ratio Lower Upper
83 100
55 0.2 69.1 103.7#
98 1.2 37.8 56.6#

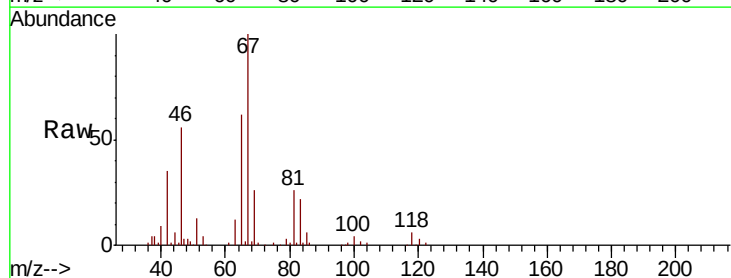


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

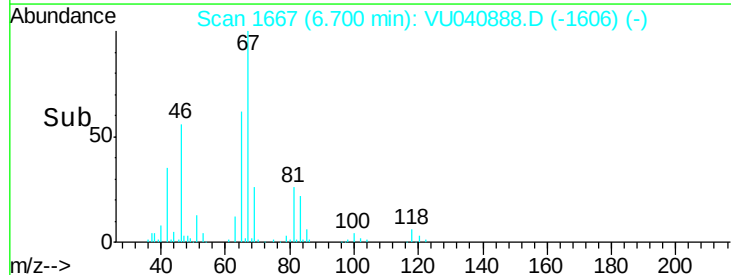
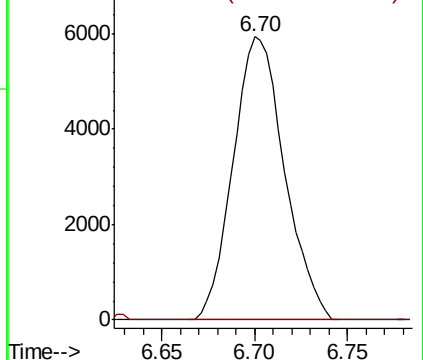


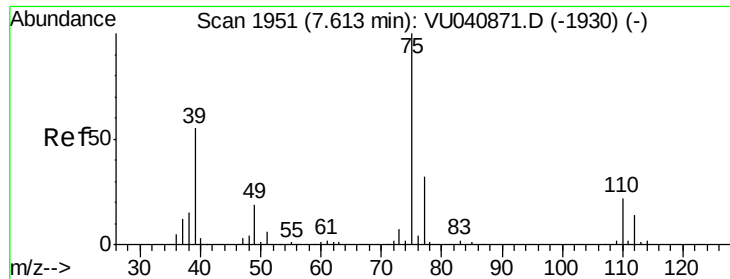
#37
1,2-Dichloropropane
Concen: 0.578 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040888.D
Acq: 21 Oct 2020 21:23

Tgt Ion: 63 Resp: 11454
Ion Ratio Lower Upper
63 100
112 0.4 3.0 4.6#



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: 0.095 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

Instrument :

MSVOA_U

ClientSampleId :

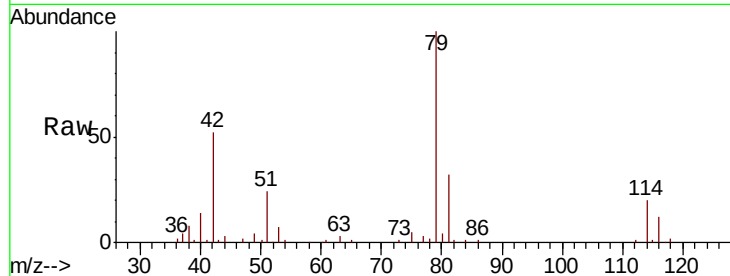
ETZ47DL

Tot Ion: 75 Resp: 2520

Ion Ratio Lower Upper

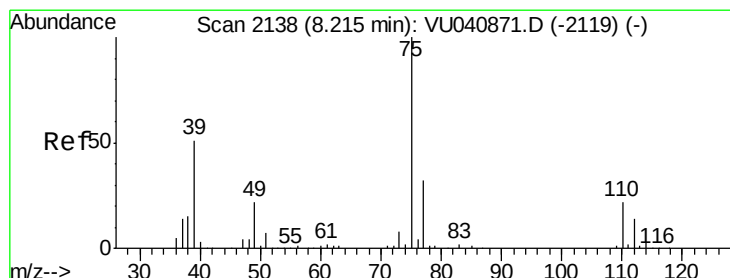
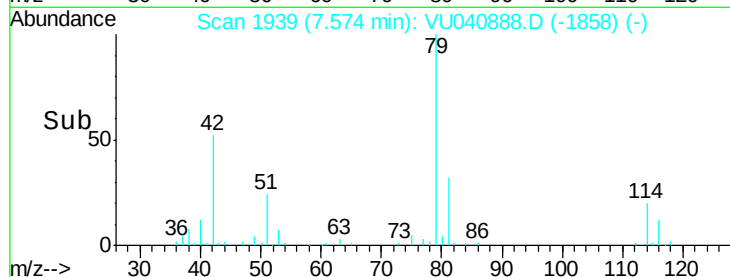
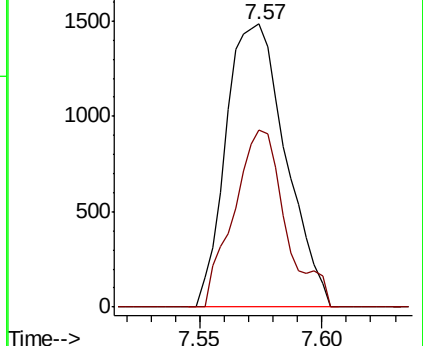
75 100

77 62.7 21.6 40.2#



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: 0.080 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040888.D

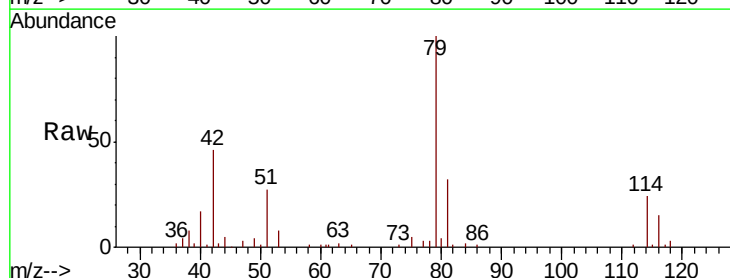
Acq: 21 Oct 2020 21:23

Tgt Ion: 75 Resp: 1922

Ion Ratio Lower Upper

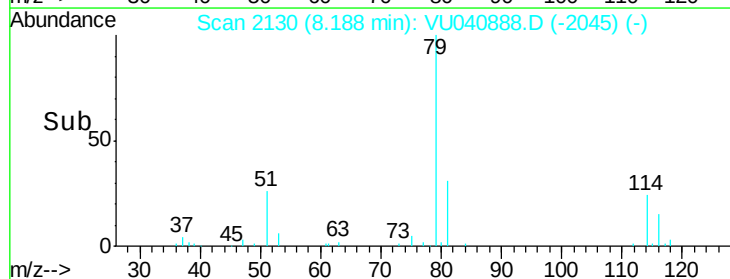
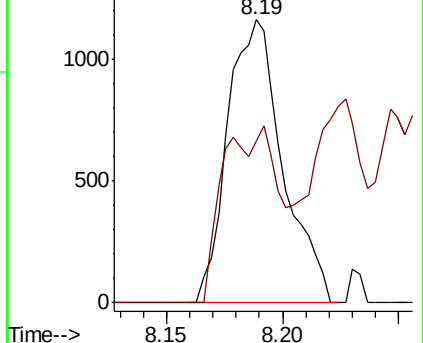
75 100

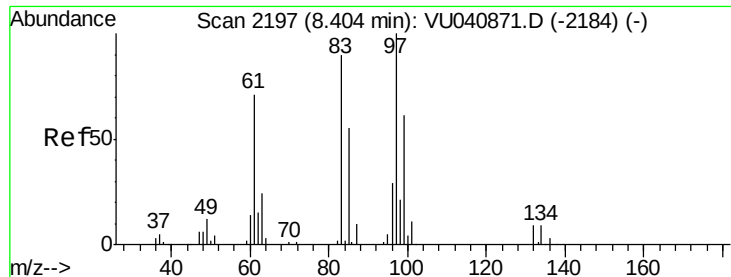
77 57.1 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.175 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

Instrument :

MSVOA_U

ClientSampleId :

ETZ47DL

Tot Ion: 97 Resp: 2367

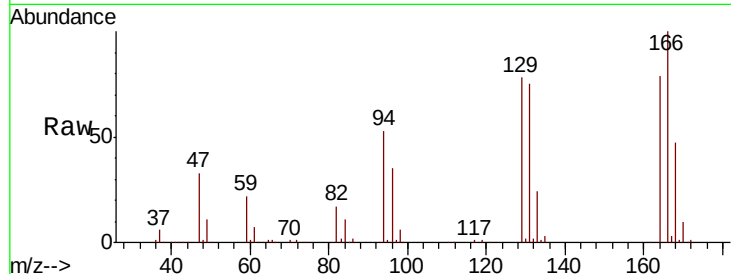
Ion Ratio Lower Upper

97 100

99 15.8 42.1 78.1#

83 190.1 62.0 115.2#

85 33.7 40.3 74.8#



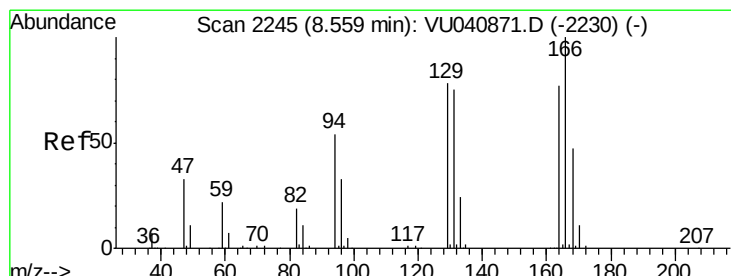
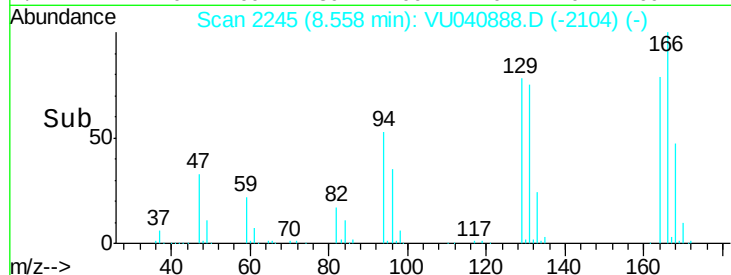
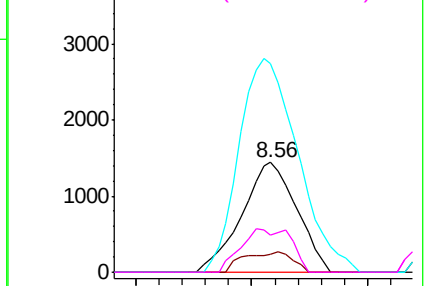
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 14.740 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

Tgt Ion:164 Resp: 205042

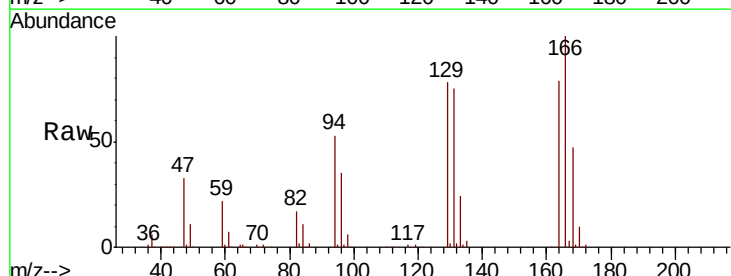
Ion Ratio Lower Upper

164 100

129 99.3 69.7 129.4

131 94.6 65.4 121.4

166 126.5 90.0 167.2



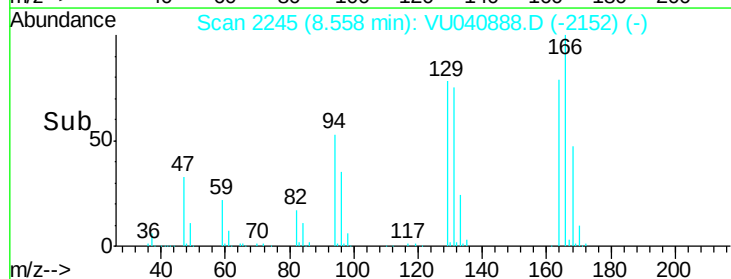
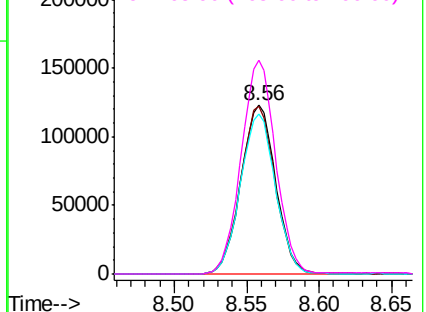
Abundance

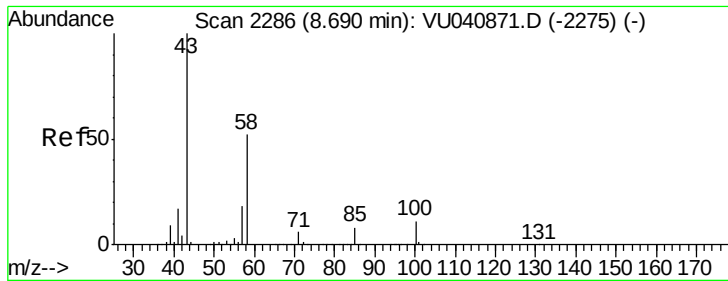
Ion 163.90 (163.60 to 164.60): V

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

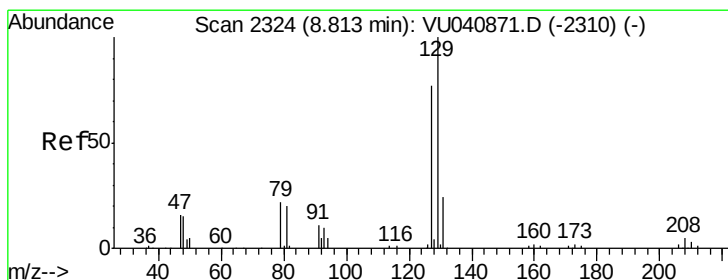
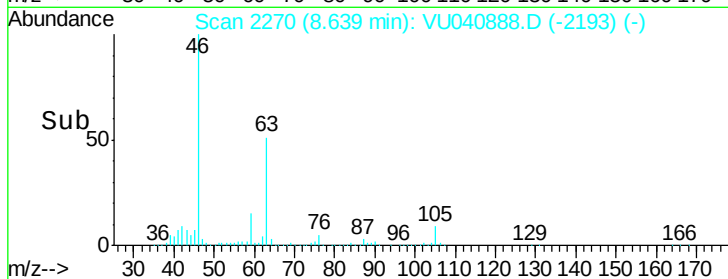
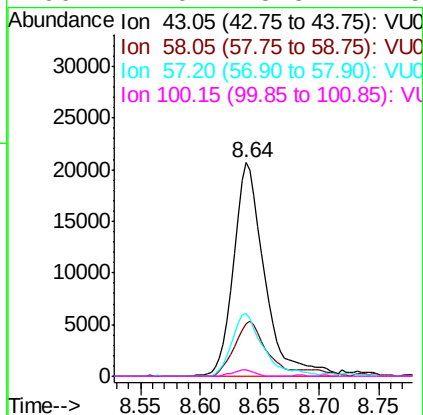
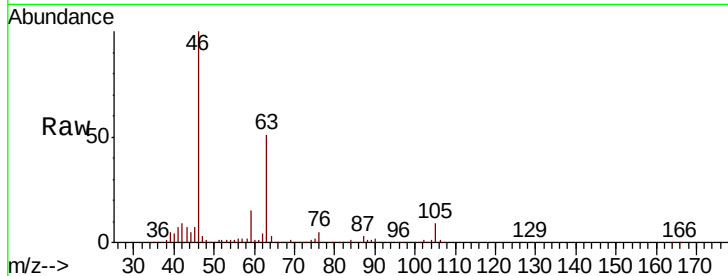




#48
 2-Hexanone
 Concen: 3.860 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU040888.D
 Acq: 21 Oct 2020 21:23

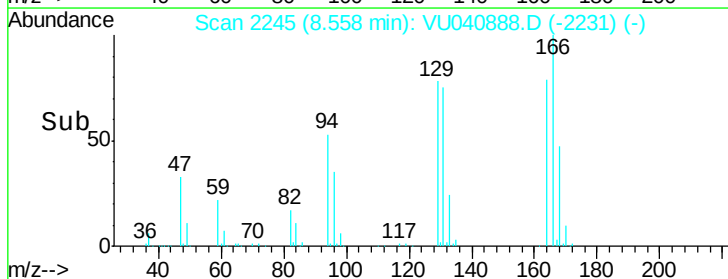
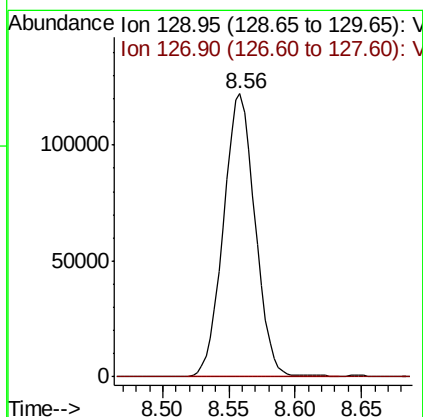
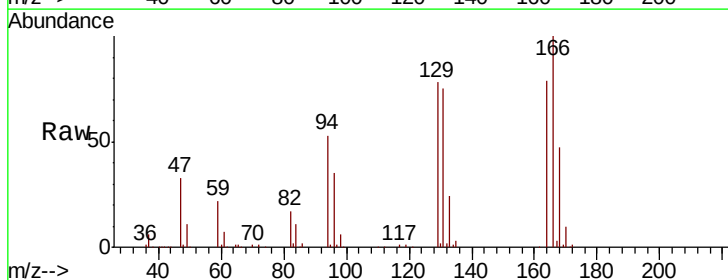
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ47DL

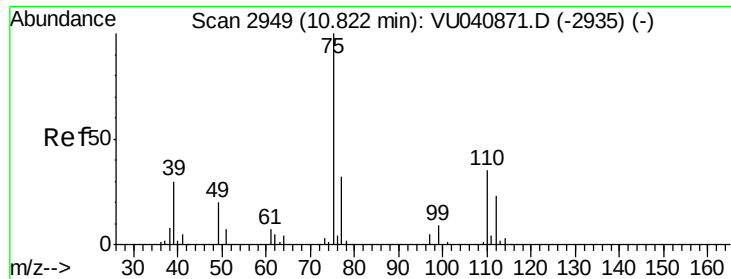
Tot Ion: 43 Resp: 37360
 Ion Ratio Lower Upper
 43 100
 58 26.8 40.9 61.3#
 57 29.7 14.4 21.6#
 100 2.0 8.3 12.5#



#49
 Dibromochloromethane
 Concen: 12.515 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.25 min
 Lab File: VU040888.D
 Acq: 21 Oct 2020 21:23

Tgt Ion: 129 Resp: 201739
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.9 103.9#





#59

1,2,3-Trichloropropane

Concen: 1.028 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

Instrument :

MSVOA_U

ClientSampleId :

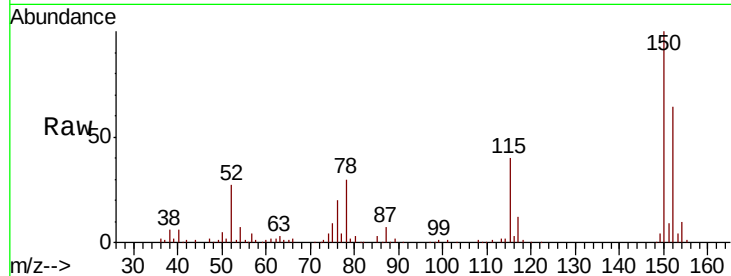
ETZ47DL

Tot Ion: 75 Resp: 13245

Ion Ratio Lower Upper

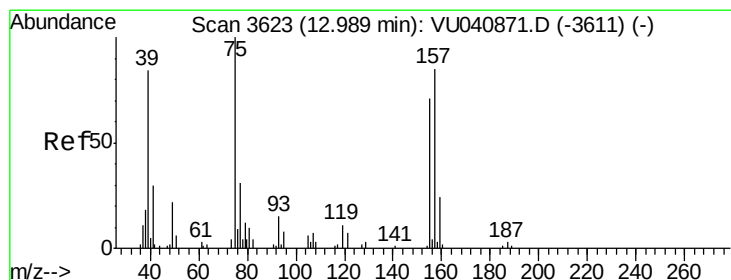
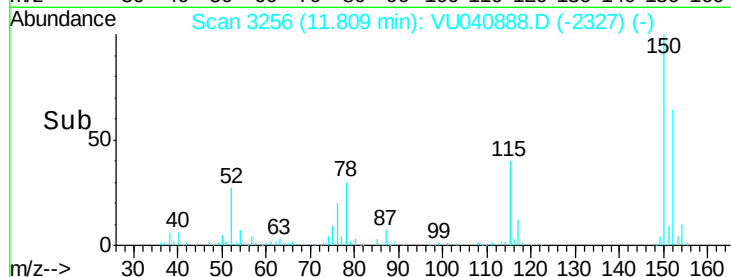
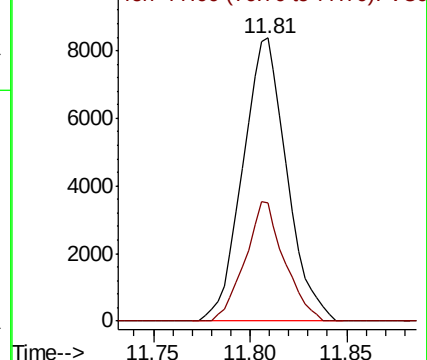
75 100

77 37.5 27.5 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#66

1,2-Dibromo-3-chloropropane

Concen: 0.075 ug/L

RT: 12.76 min Scan# 3553

Delta R.T. -0.23 min

Lab File: VU040888.D

Acq: 21 Oct 2020 21:23

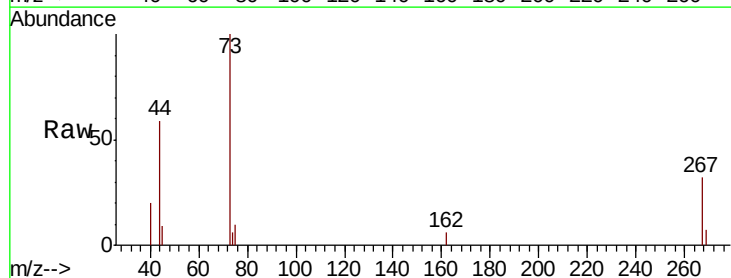
Tgt Ion: 75 Resp: 198

Ion Ratio Lower Upper

75 100

155 0.0 51.7 77.5#

157 0.0 66.9 100.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

