

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040874.D
 Acq On : 21 Oct 2020 15:35
 Operator : SY/MD
 Sample : L4428-09DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ44DL

Quant Time: Oct 22 00:50:25 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	228990	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	235273	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	102998	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	84651	5.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.80%
7) Chloroethane-d5	1.92	69	72996	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.58	63	128323	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.65	46	366912	65.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.66%#
24) Chloroform-d	5.08	84	176116	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	111228	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.20%
32) Benzene-d6	5.75	84	320816	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.70	67	109483	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.91	98	254382	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	8.19	79	43251	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.64	63	274391	65.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.26%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	102776	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	103744	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	123885	5.280	ug/L	94
8) Chloroethane	1.95	64	1210	0.080	ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1070	0.059	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	1677	0.100	ug/L #	1
13) Acetone	2.66	43	2562	0.654	ug/L	60
18) trans-1,2-Dichloroethene	3.37	96	2074	0.119	ug/L #	75
22) cis-1,2-Dichloroethene	4.69	96	359724	18.835	ug/L	98
34) Trichloroethene	6.56	95	1821	0.095	ug/L	94
35) Methylcyclohexane	6.70	83	25991	0.902	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	12255	0.600	ug/L #	89
39) cis-1,3-Dichloropropene	7.57	75	2914	0.107	ug/L #	60
44) trans-1,3-Dichloropropene	8.19	75	2211	0.089	ug/L #	62
47) Tetrachloroethene	8.56	164	3707	0.259	ug/L	87
49) Dibromochloromethane	8.56	129	3550	0.214	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	15469	1.166	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	800	0.040	ug/L #	77

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

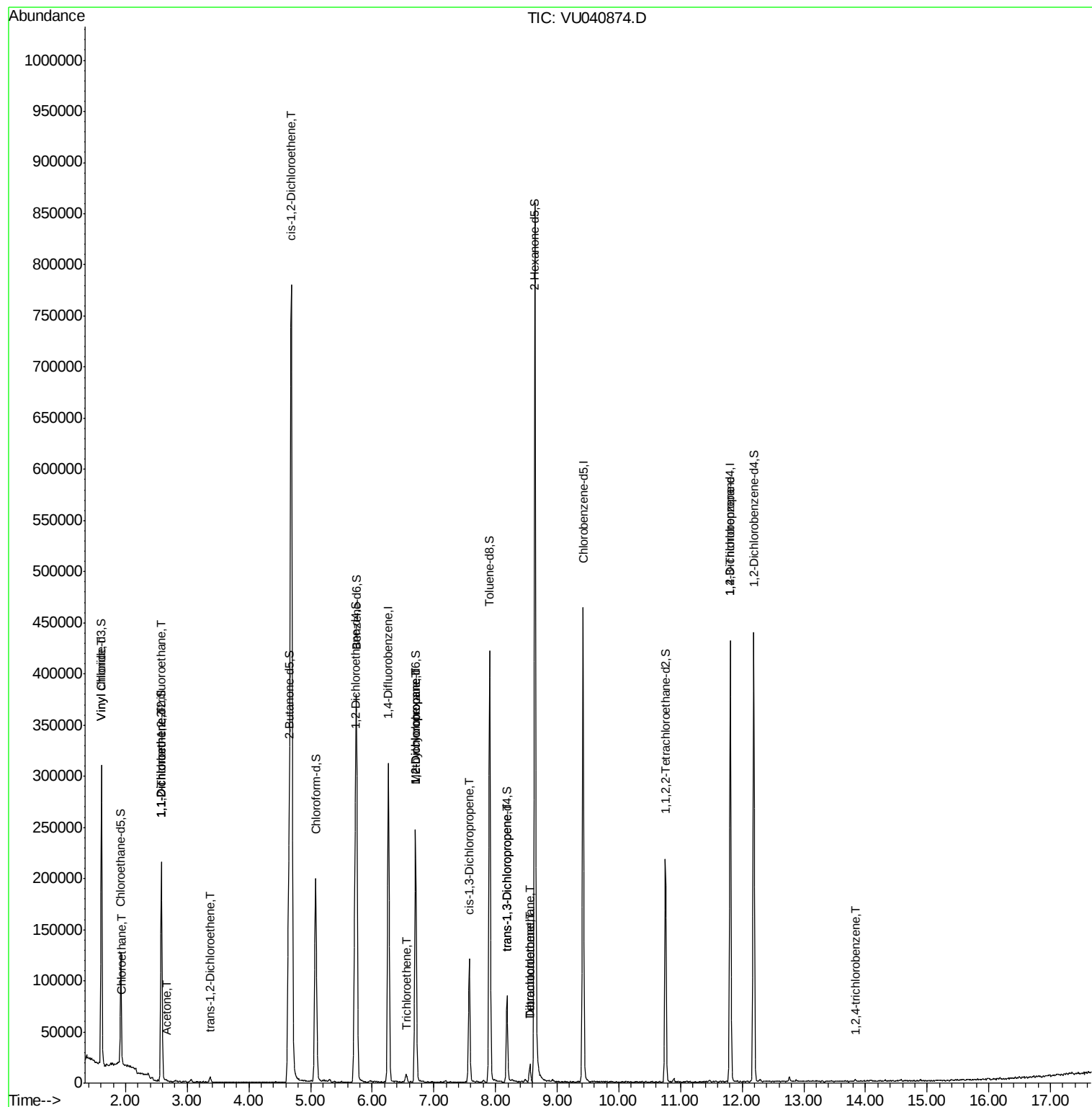
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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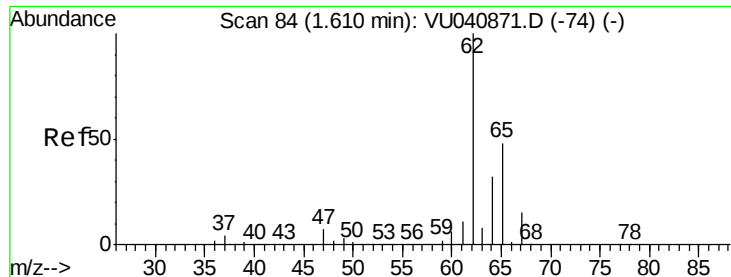
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.280 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

Instrument :

MSVOA_U

ClientSampleId :

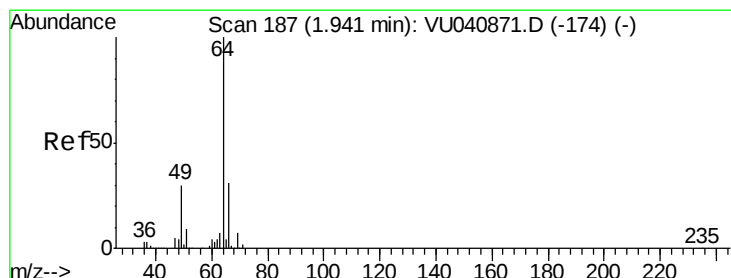
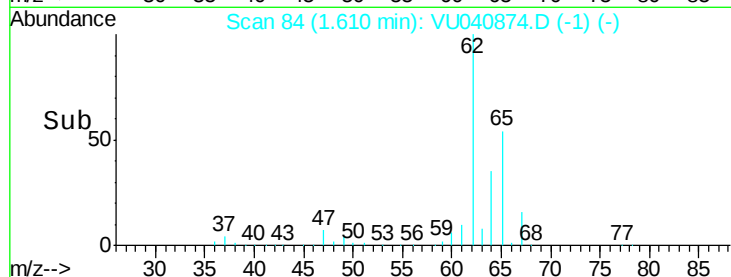
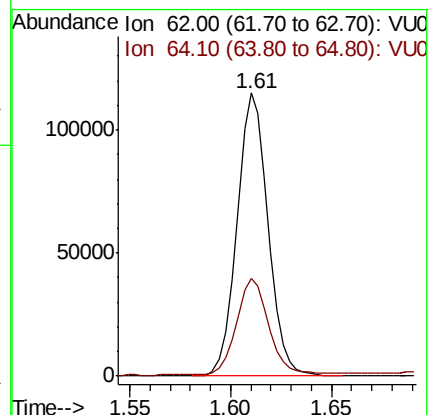
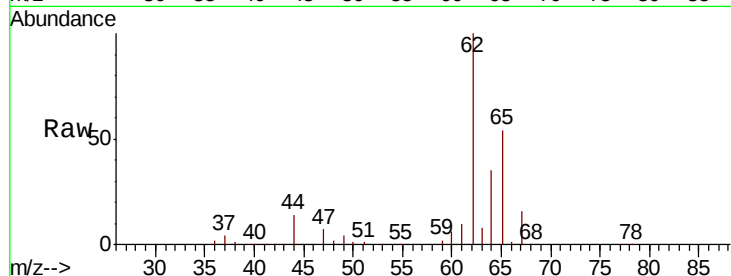
ETZ44DL

Tot Ion: 62 Resp: 123885

Ion Ratio Lower Upper

62 100

64 34.5 21.8 40.6



#8

Chloroethane

Concen: 0.080 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU040874.D

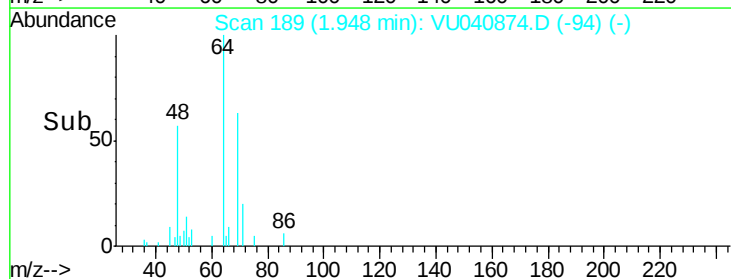
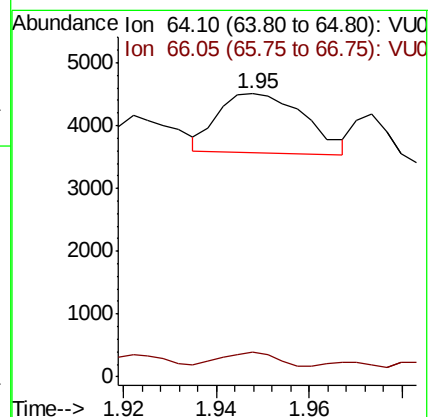
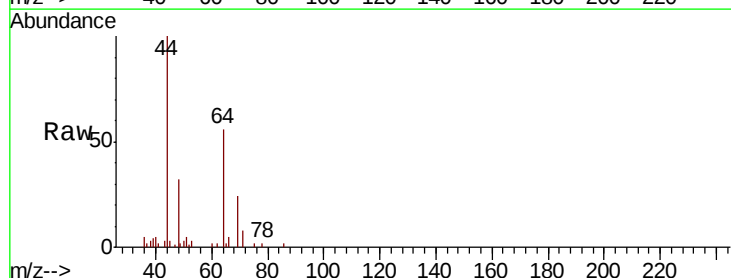
Acq: 21 Oct 2020 15:35

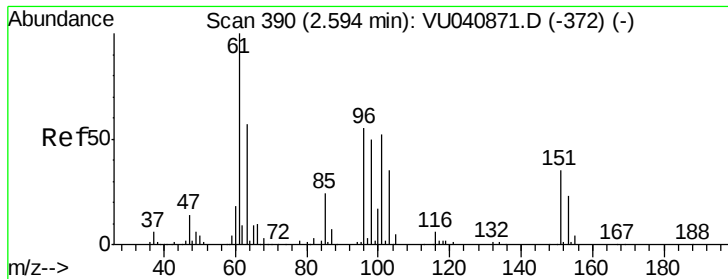
Tgt Ion: 64 Resp: 1210

Ion Ratio Lower Upper

64 100

66 8.7 21.2 39.4#





#10

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

Concen: 0.059 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

Instrument :

MSVOA_U

ClientSampleId :

ETZ44DL

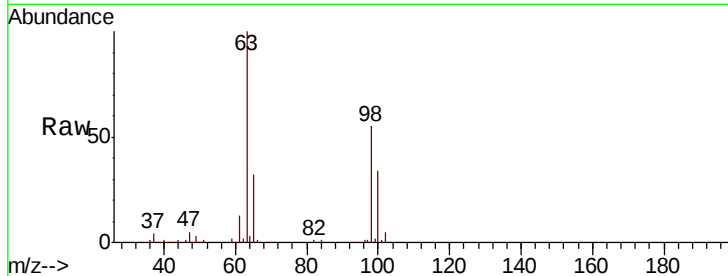
Tot Ion:101 Resp: 1070

Ion Ratio Lower Upper

101 100

85 1.9 36.4 54.6#

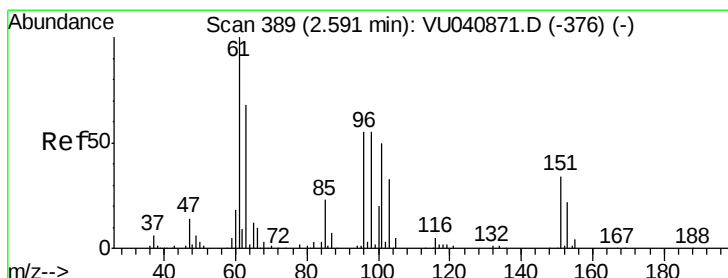
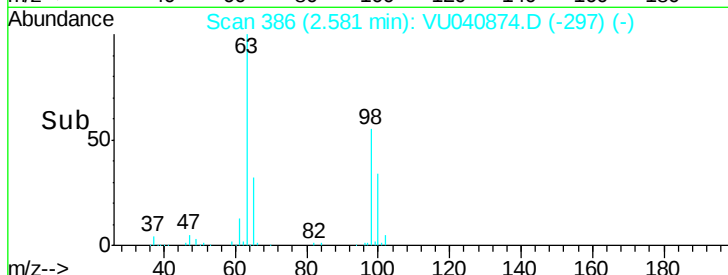
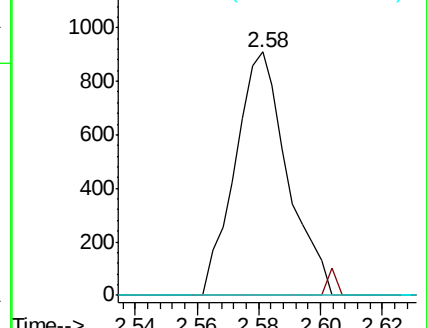
151 0.0 56.3 84.5#



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



#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

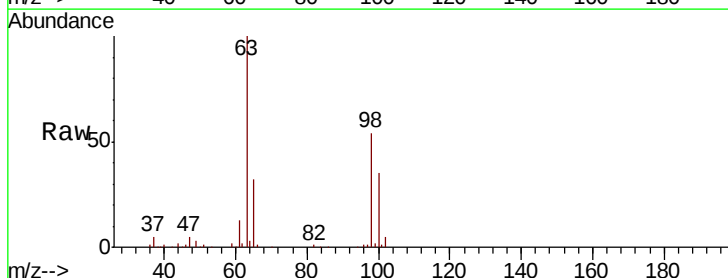
Tgt Ion: 96 Resp: 1677

Ion Ratio Lower Upper

96 100

61 913.7 130.9 243.1#

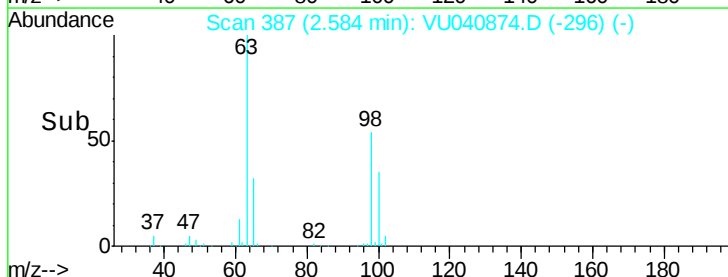
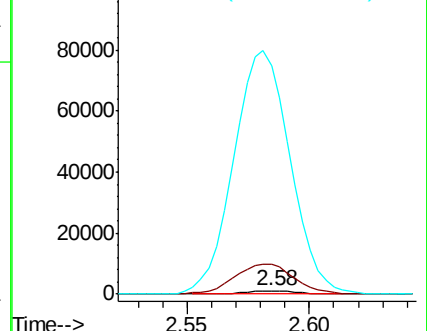
63 6921.8 85.4 158.6#

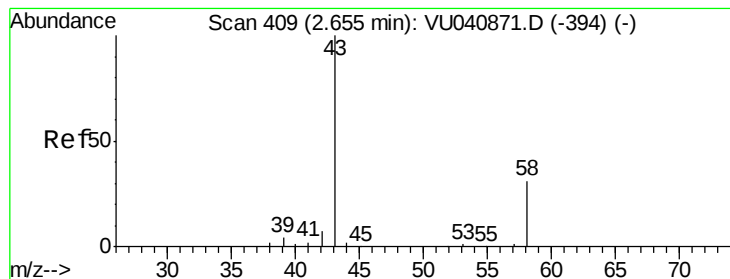


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.654 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

Instrument :

MSVOA_U

ClientSampleId :

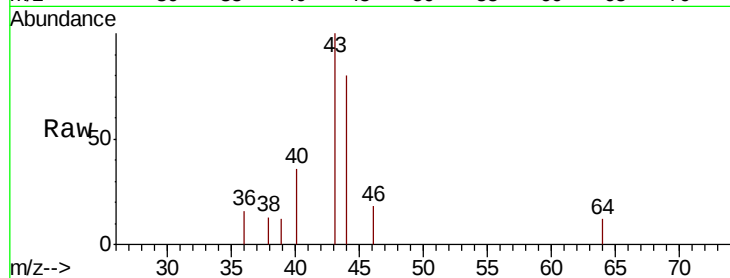
ETZ44DL

Tot Ion: 43 Resp: 2562

Ion Ratio Lower Upper

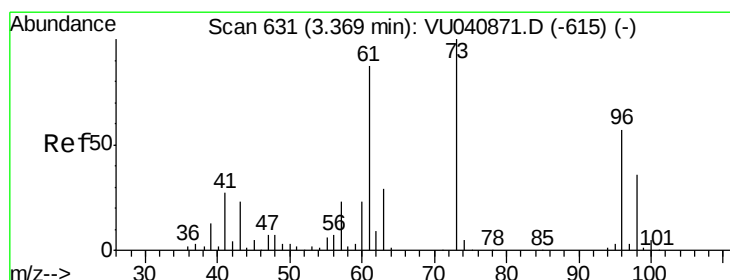
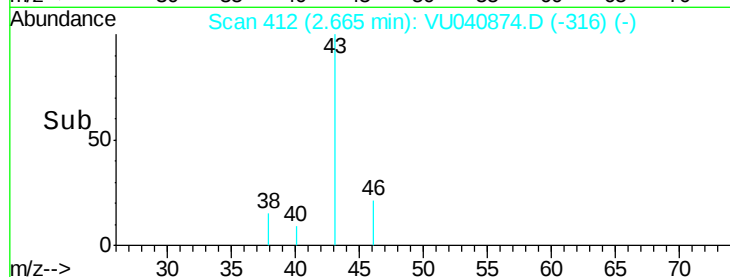
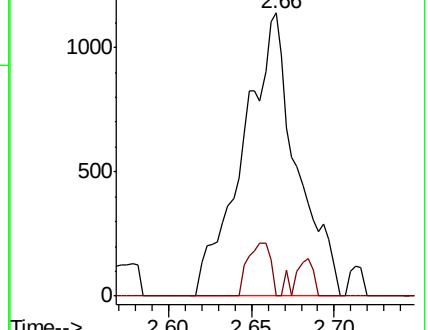
43 100

58 7.9 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU040874.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU040874.D (-316) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.119 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

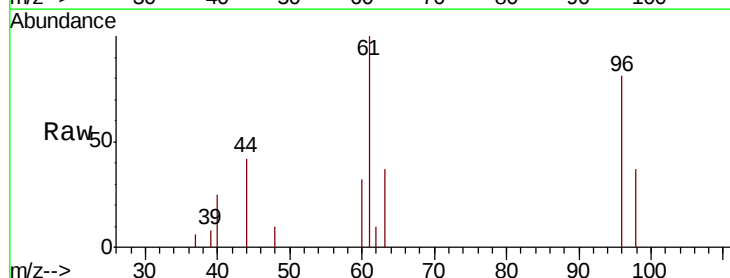
Tgt Ion: 96 Resp: 2074

Ion Ratio Lower Upper

96 100

61 123.4 107.9 200.3

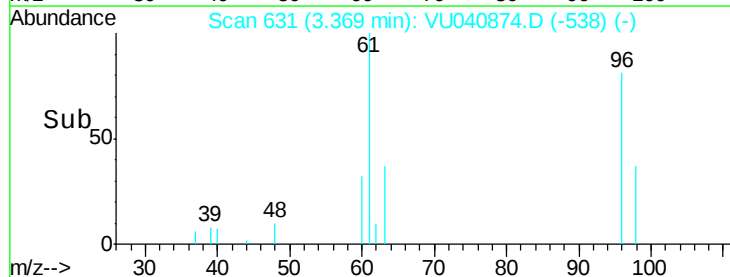
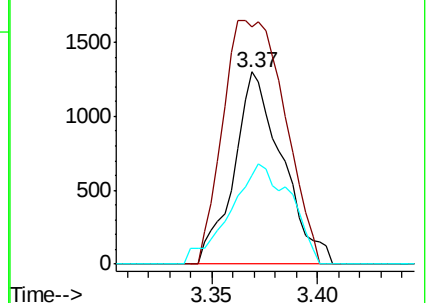
98 46.1 47.5 88.1#

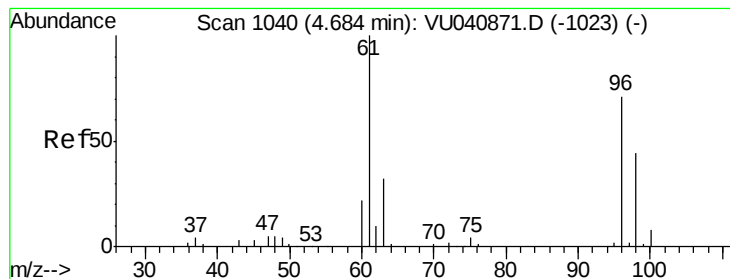


Abundance Ion 96.00 (95.70 to 96.70): VU040874.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040874.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040874.D (-538) (-)





#22

cis-1,2-Dichloroethene

Concen: 18.835 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

Instrument :

MSVOA_U

ClientSampleId :

ETZ44DL

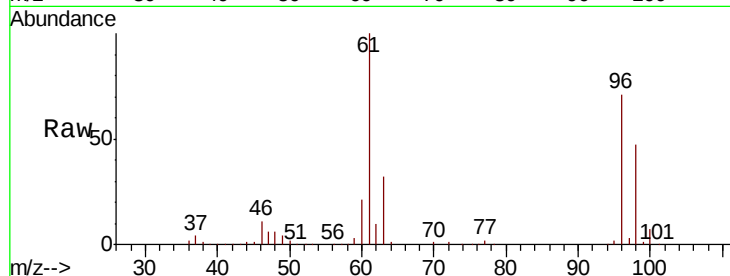
Tot Ion: 96 Resp: 359724

Ion Ratio Lower Upper

96 100

61 140.2 100.0 185.6

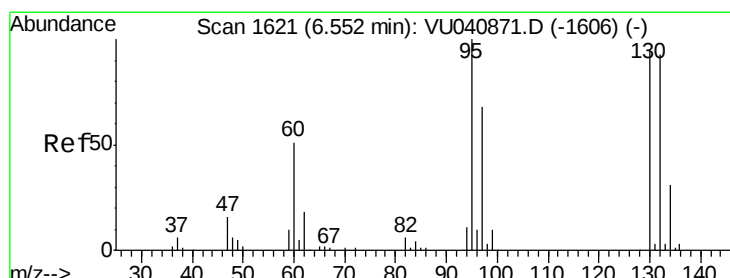
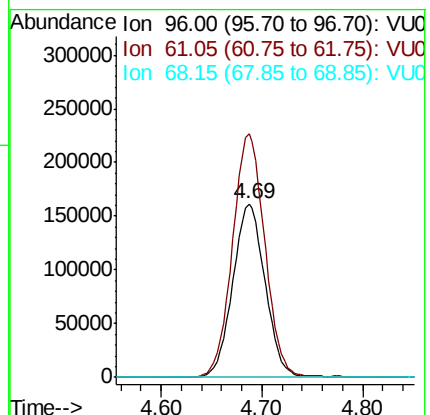
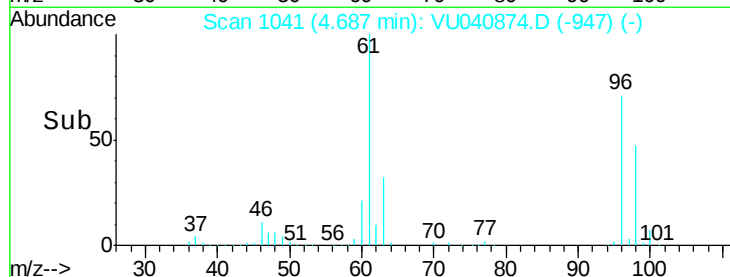
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040874.D (-1528) (-)

Ion 61.05 (60.75 to 61.75): VU040874.D (-1528) (-)

Ion 68.15 (67.85 to 68.85): VU040874.D (-1528) (-)



#34

Trichloroethene

Concen: 0.095 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

Tgt Ion: 95 Resp: 1821

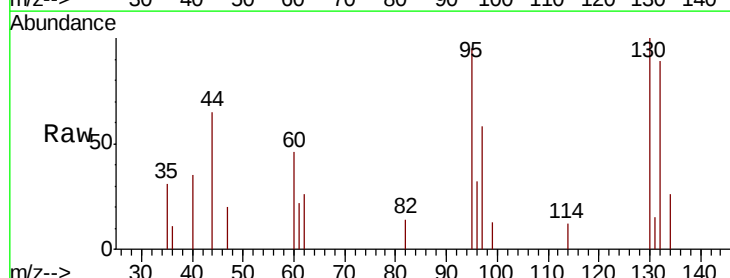
Ion Ratio Lower Upper

95 100

97 61.4 46.0 85.4

132 94.3 63.6 118.2

130 105.6 68.6 127.4

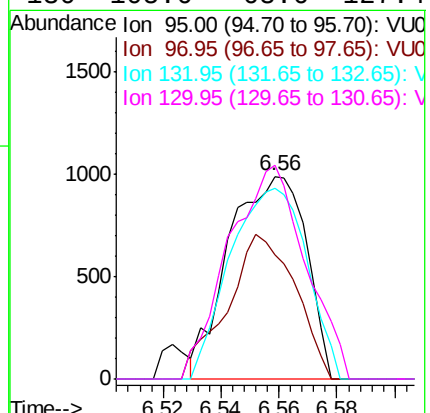
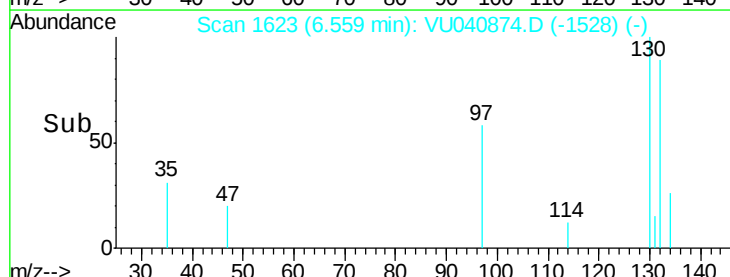


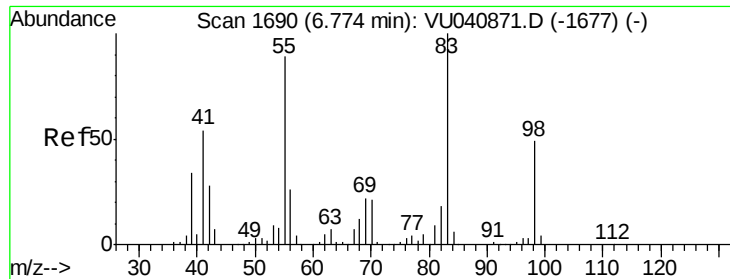
Abundance Ion 95.00 (94.70 to 95.70): VU040874.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040874.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040874.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040874.D (-1528) (-)

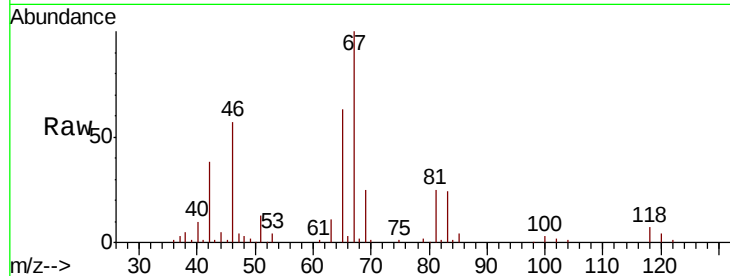




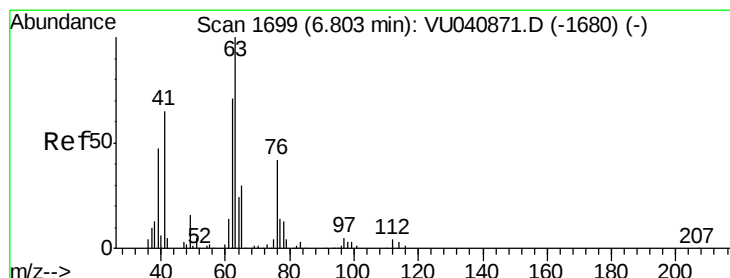
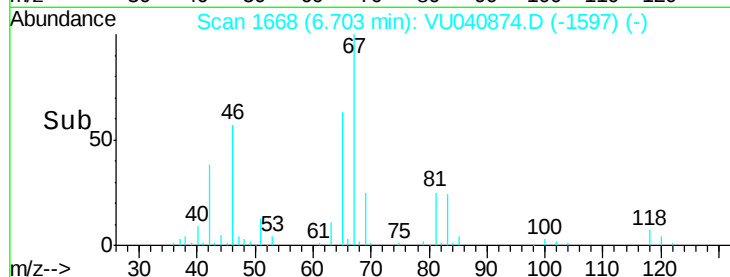
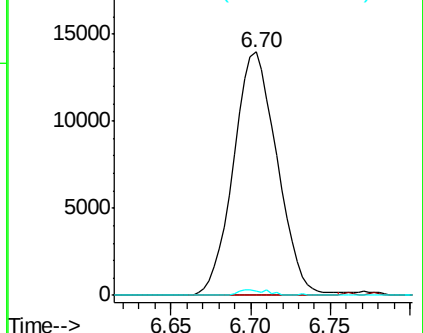
#35
Methvlcvclohexane
Concen: 0.902 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040874.D
Acq: 21 Oct 2020 15:35

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ClientSampleId :
ETZ44DL

Tot Ion: 83 Resp: 25991
Ion Ratio Lower Upper
83 100
55 0.0 69.1 103.7#
98 1.5 37.8 56.6#

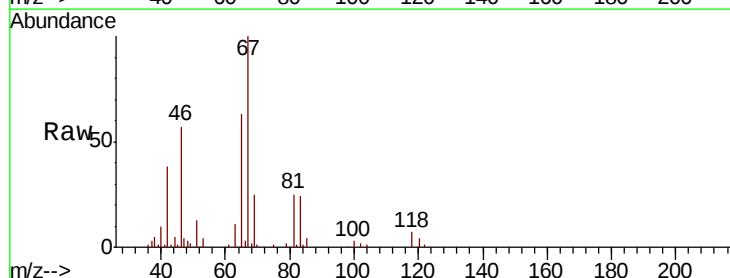


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

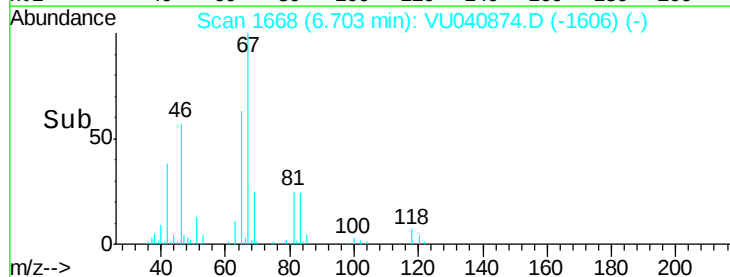
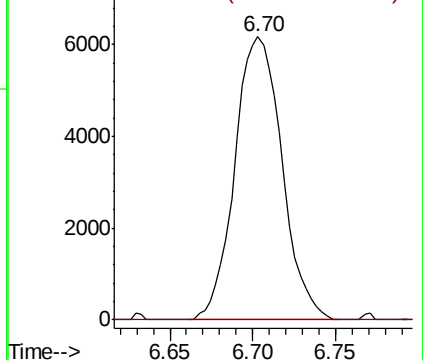


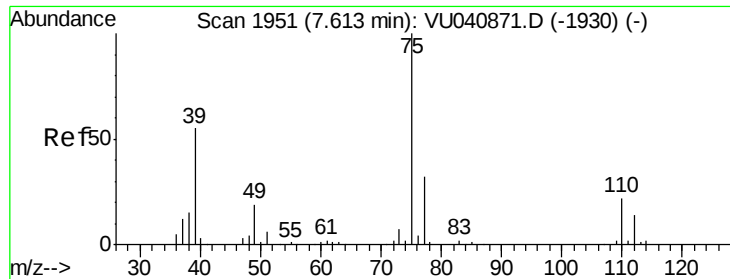
#37
1,2-Dichloropropane
Concen: 0.600 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040874.D
Acq: 21 Oct 2020 15:35

Tgt Ion: 63 Resp: 12255
Ion Ratio Lower Upper
63 100
112 0.2 3.0 4.6#



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

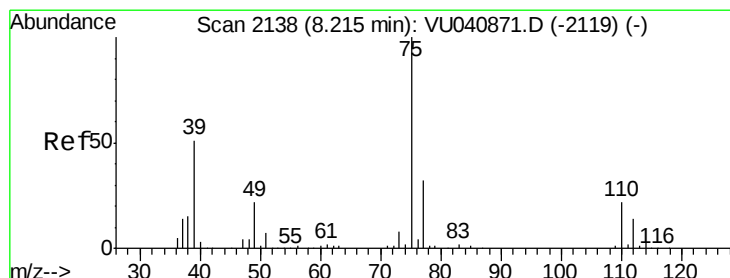
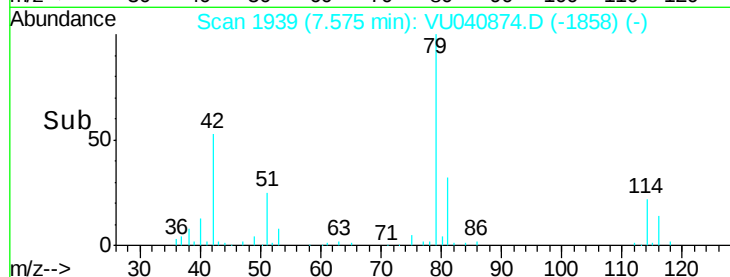
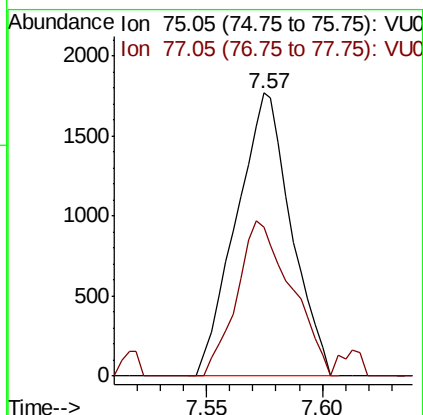
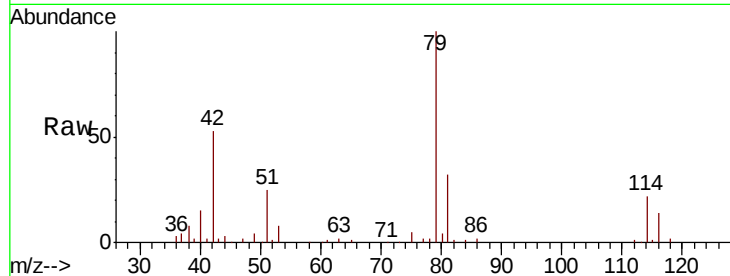




#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040874.D
 Acq: 21 Oct 2020 15:35

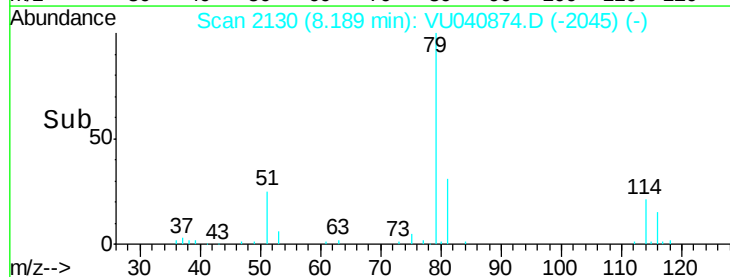
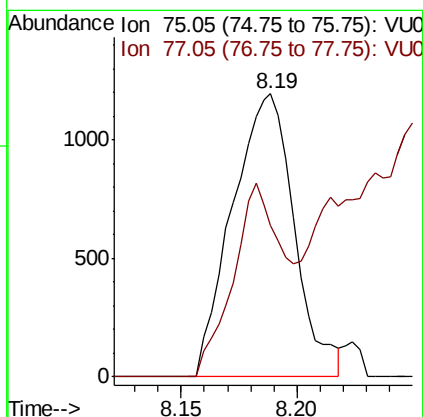
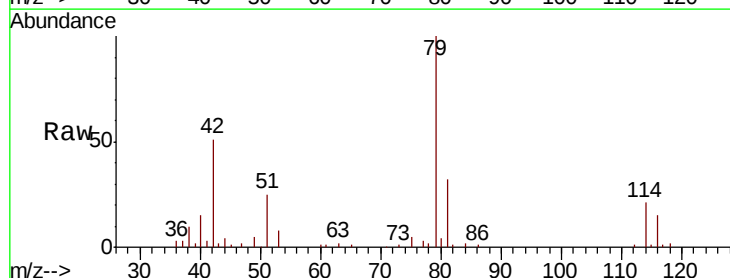
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ44DL

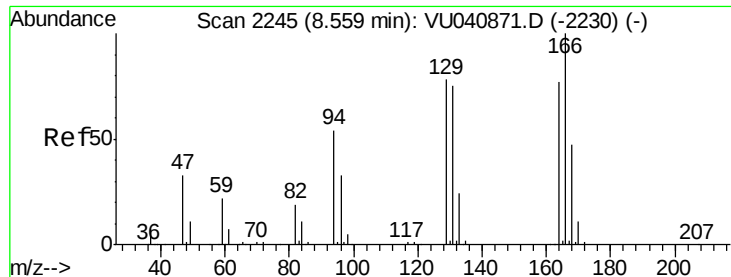
Tot Ion: 75 Resp: 2914
 Ion Ratio Lower Upper
 75 100
 77 52.8 21.6 40.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040874.D
 Acq: 21 Oct 2020 15:35

Tgt Ion: 75 Resp: 2211
 Ion Ratio Lower Upper
 75 100
 77 53.6 22.6 42.0#

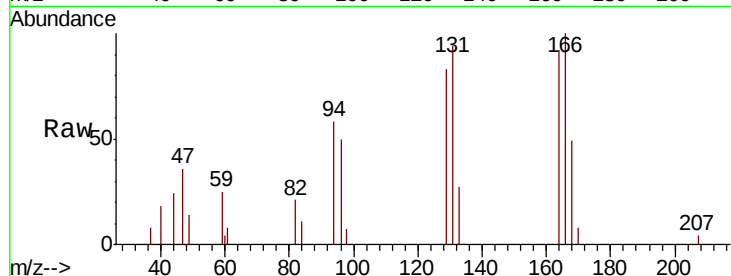




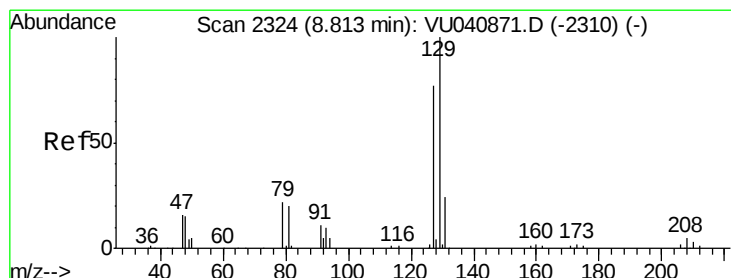
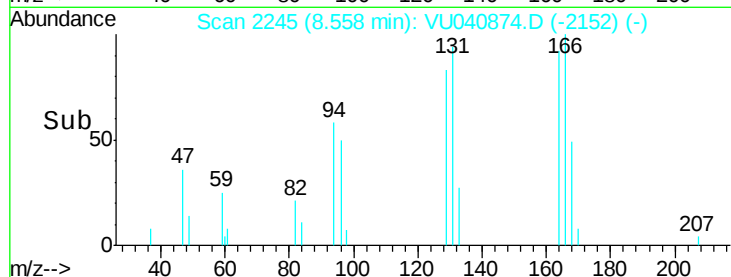
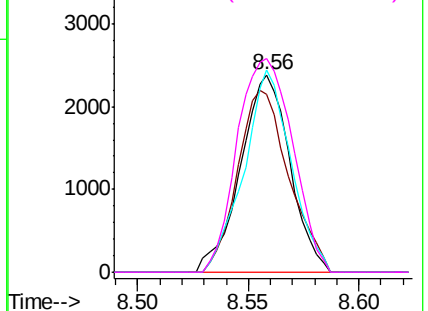
#47
Tetrachloroethene
Concen: 0.259 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU040874.D
Acq: 21 Oct 2020 15:35

Instrument :
MSVOA_U
ClientSampleId :
ETZ44DL

Tot Ion:164	Resp:	3707
Ion Ratio	Lower	Upper
164 100		
129 90.4	69.7	129.4
131 102.2	65.4	121.4
166 108.3	90.0	167.2

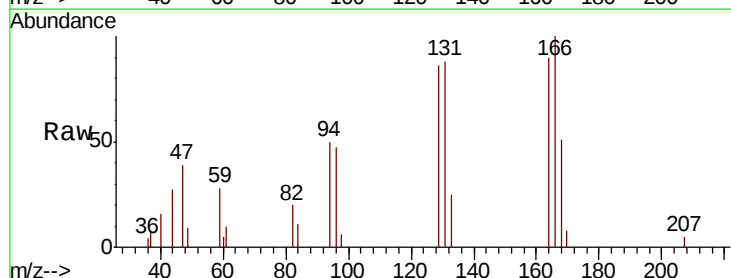


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

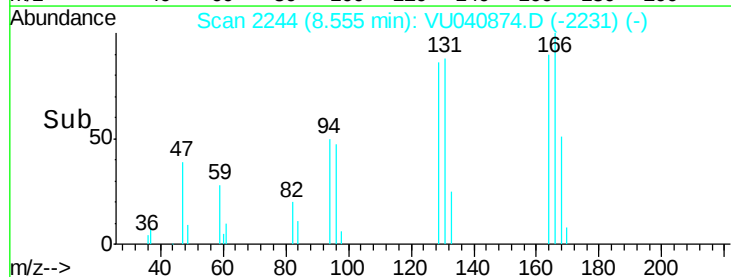
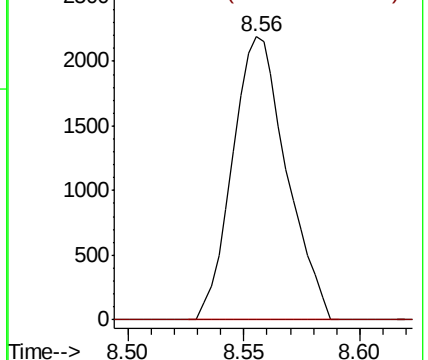


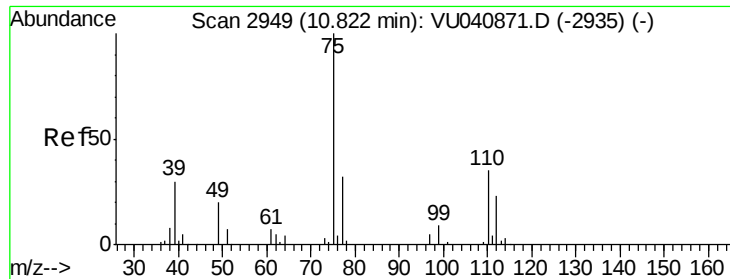
#49
Dibromochloromethane
Concen: 0.214 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040874.D
Acq: 21 Oct 2020 15:35

Tgt Ion:129	Resp:	3550	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.9	103.9#



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: 1.166 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

Instrument :

MSVOA_U

ClientSampleId :

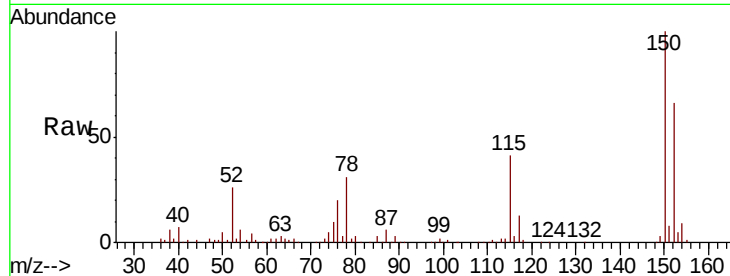
ETZ44DL

Tot Ion: 75 Resp: 15469

Ion Ratio Lower Upper

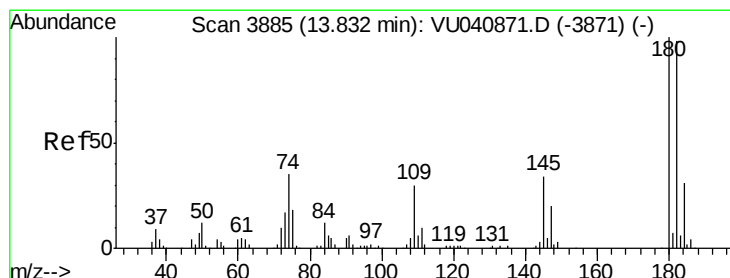
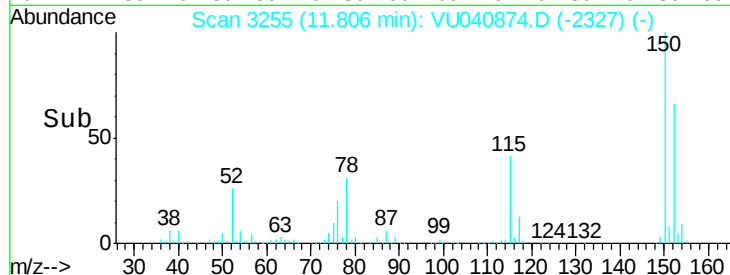
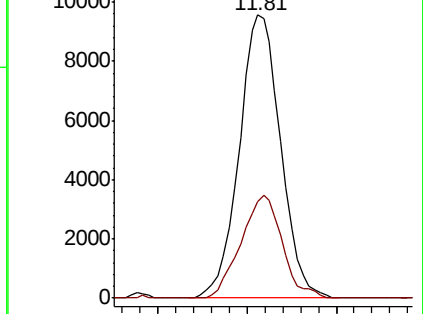
75 100

77 36.3 27.5 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU040874.D (-2935) (-)

Ion 77.00 (76.70 to 77.70): VU040874.D (-2935) (-)



#68

1,2,4-trichlorobenzene

Concen: 0.040 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VU040874.D

Acq: 21 Oct 2020 15:35

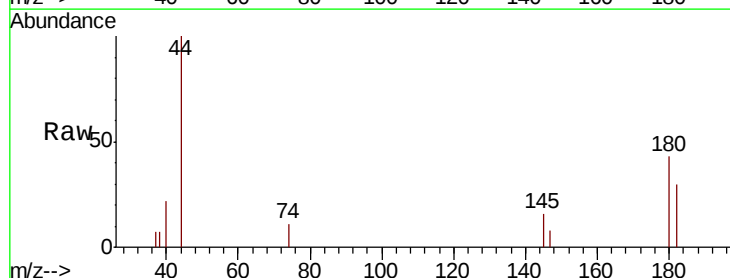
Tgt Ion: 180 Resp: 800

Ion Ratio Lower Upper

180 100

182 70.5 76.4 114.6#

145 23.5 26.2 39.2#



Abundance Ion 179.90 (179.60 to 180.60): VU040874.D (-3871) (-)

Ion 182.00 (181.70 to 182.70): VU040874.D (-3871) (-)

Ion 144.95 (144.65 to 145.65): VU040874.D (-3871) (-)

