

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040890.D
 Acq On : 21 Oct 2020 22:09
 Operator : SY/MD
 Sample : L4428-15DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ49DL

Quant Time: Oct 22 00:53:32 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	222658	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	226458	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	95250	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	67831	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.92	69	62998	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.58	63	111329	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.65	46	343721	63.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.84%
24) Chloroform-d	5.08	84	160071	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.72	65	100748	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.74	84	282596	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.70	67	98348	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.91	98	217332	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	35983	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.64	63	245014	60.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	96811	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	90095	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	153765	6.740	ug/L	99
8) Chloroethane	1.92	64	1901	0.129	ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	848	0.048	ug/L #	21
12) 1,1-Dichloroethene	2.59	96	1477	0.091	ug/L #	1
16) Methylene chloride	3.06	84	8532	0.425	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	2206	0.130	ug/L	91
22) cis-1,2-Dichloroethene	4.69	96	249189	13.418	ug/L	96
34) Trichloroethene	6.55	95	1692	0.091	ug/L	96
35) Methylcyclohexane	6.70	83	23067	0.832	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	12082	0.615	ug/L #	90
44) trans-1,3-Dichloropropene	8.18	75	1873	0.079	ug/L	83
47) Tetrachloroethene	8.56	164	3047	0.221	ug/L	82
48) 2-Hexanone	8.64	43	37653	3.924	ug/L #	68
49) Dibromochloromethane	8.56	129	3325	0.208	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	13404	1.049	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
Data File : VU040890.D
Acq On : 21 Oct 2020 22:09
Operator : SY/MD
Sample : L4428-15DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETZ49DL

Quant Time: Oct 22 00:53:32 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

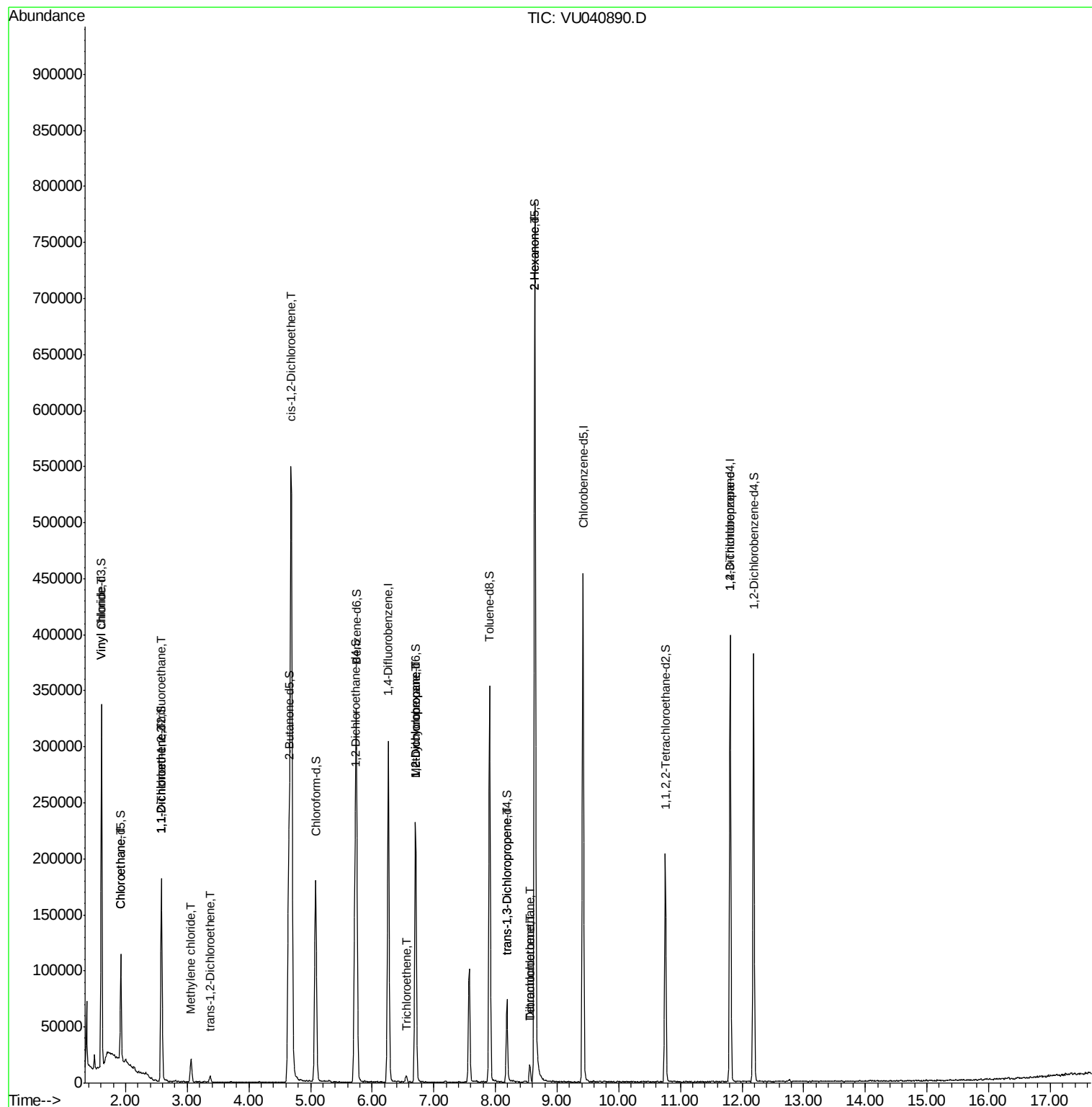
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

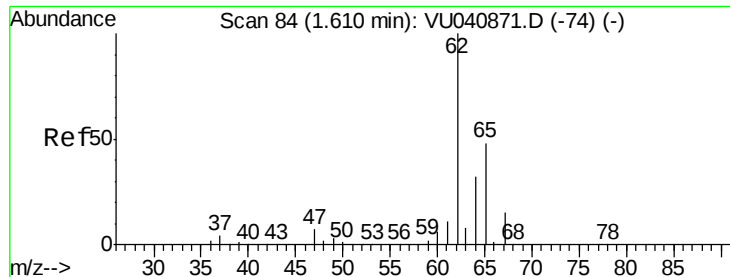
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
Data File : VU040890.D
Acq On : 21 Oct 2020 22:09
Operator : SY/MD
Sample : L4428-15DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETZ49DL

Quant Time: Oct 22 00:53:32 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





#5

Vinyl chloride

Concen: 6.740 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040890.D

Acq: 21 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleID :

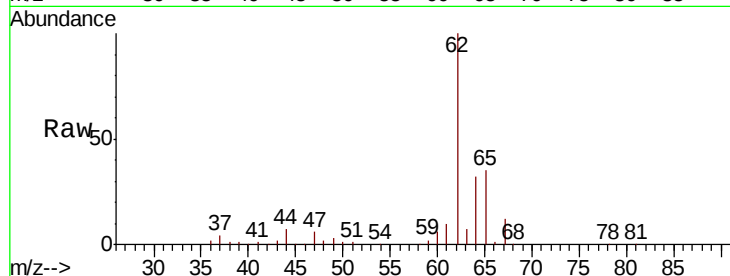
ETZ49DL

Tot Ion: 62 Resp: 153765

Ion Ratio Lower Upper

62 100

64 31.9 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

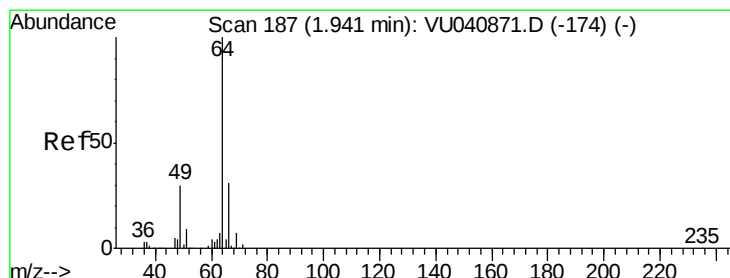
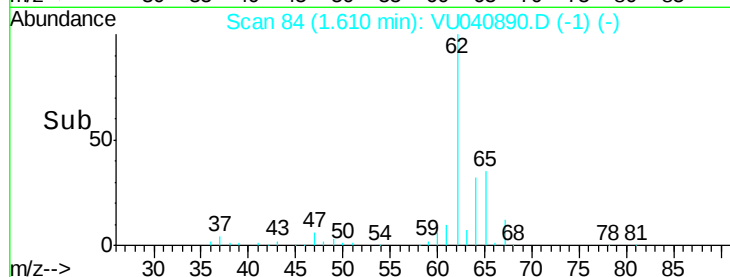
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 0.129 ug/L

RT: 1.92 min Scan# 181

Delta R.T. -0.02 min

Lab File: VU040890.D

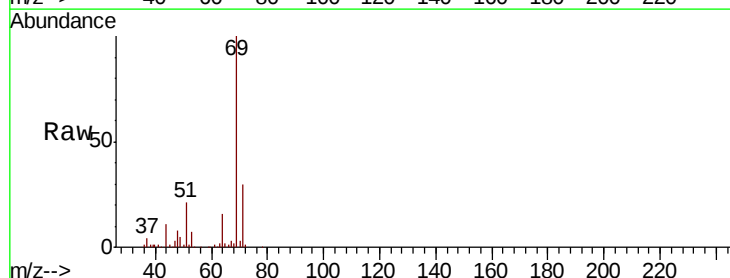
Acq: 21 Oct 2020 22:09

Tgt Ion: 64 Resp: 1901

Ion Ratio Lower Upper

64 100

66 5.1 21.2 39.4#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.92

8000

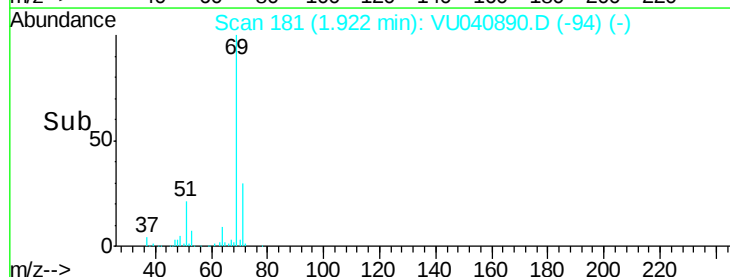
6000

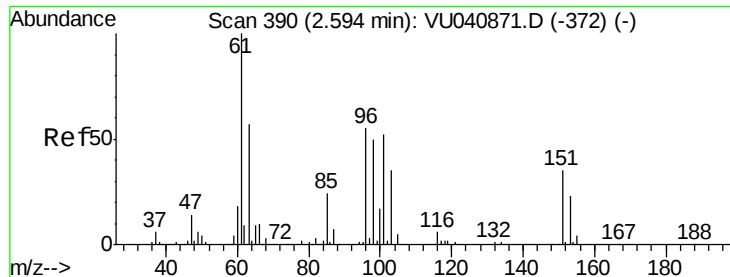
4000

2000

0

Time-->





#10

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

Concen: 0.048 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040890.D

Acq: 21 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

ETZ49DL

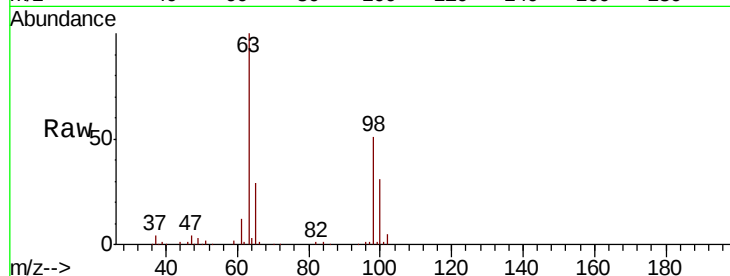
Tot Ion:101 Resp: 848

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): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

800

600

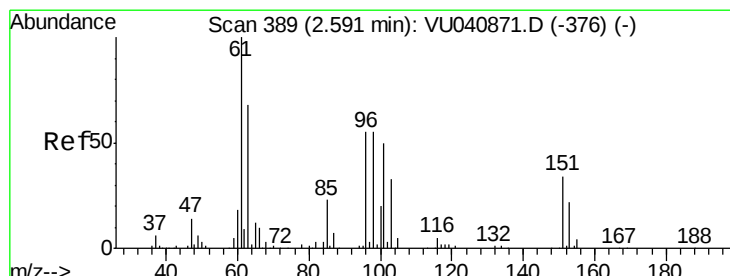
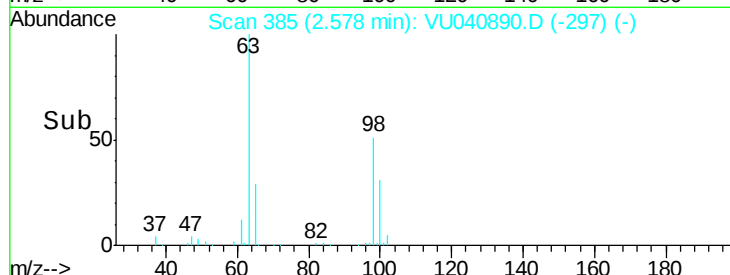
400

200

0

2.54 2.56 2.58 2.60 2.62

Time-->



#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU040890.D

Acq: 21 Oct 2020 22:09

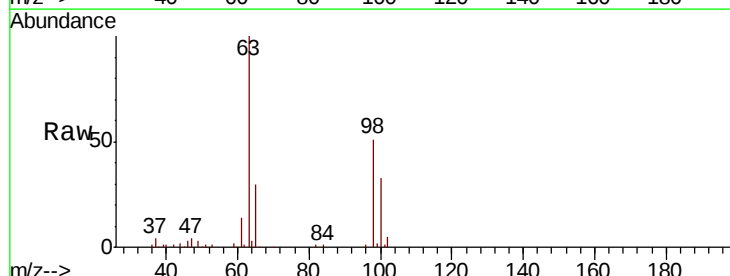
Tgt Ion: 96 Resp: 1477

Ion Ratio Lower Upper

96 100

61 1049.3 130.9 243.1#

63 7735.5 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

80000

60000

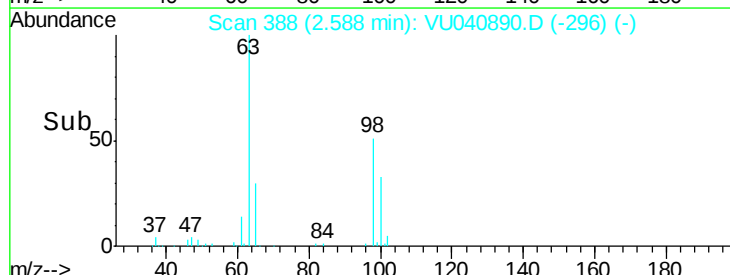
40000

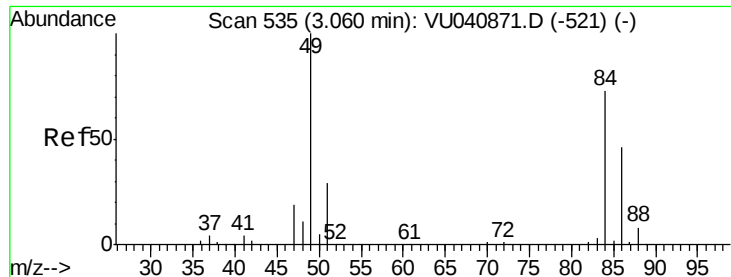
20000

0

2.55 2.59 2.60

Time-->

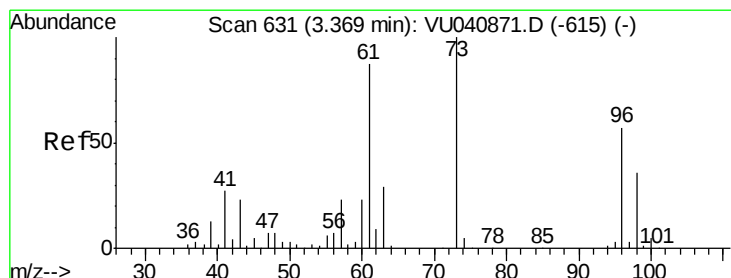
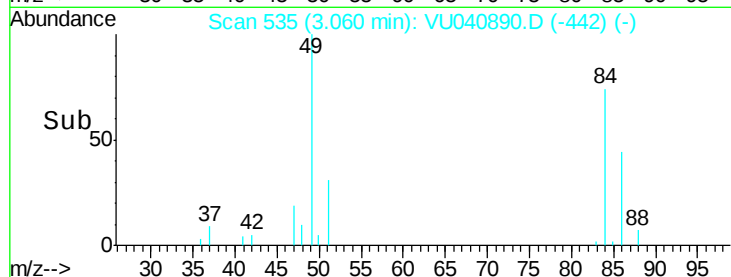
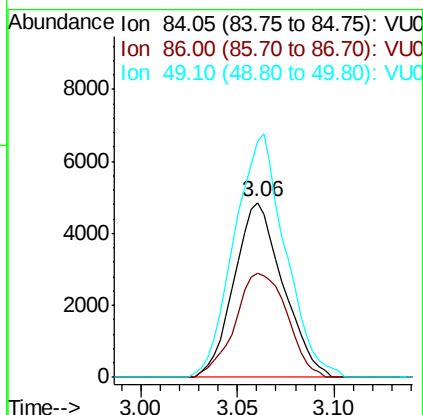
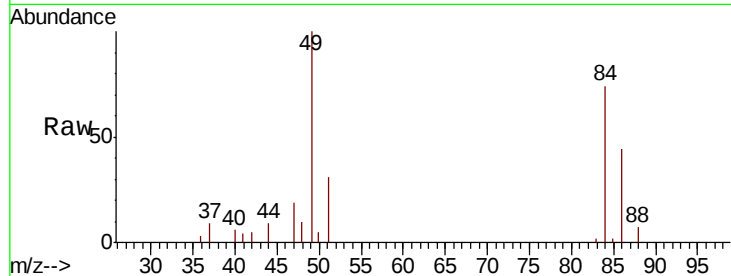




#16
Methvlene chloride
Concen: 0.425 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040890.D
Acq: 21 Oct 2020 22:09

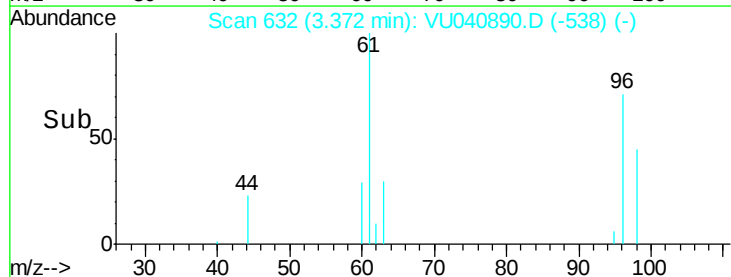
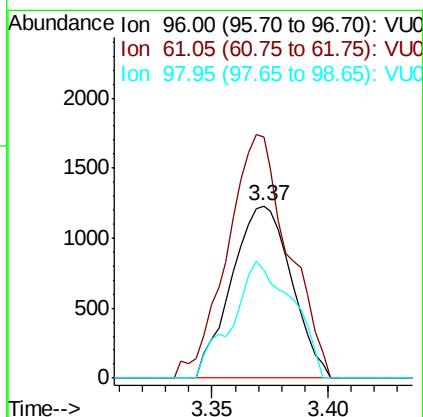
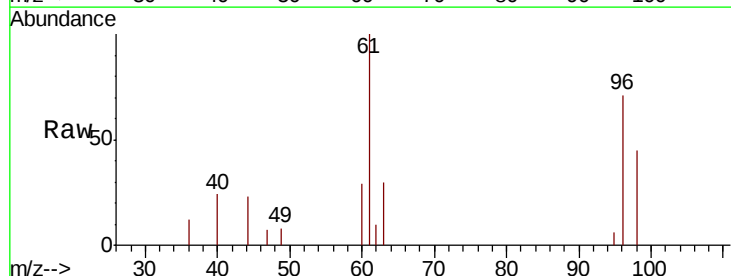
Instrument :
MSVOA_U
ClientSampleId :
ETZ49DL

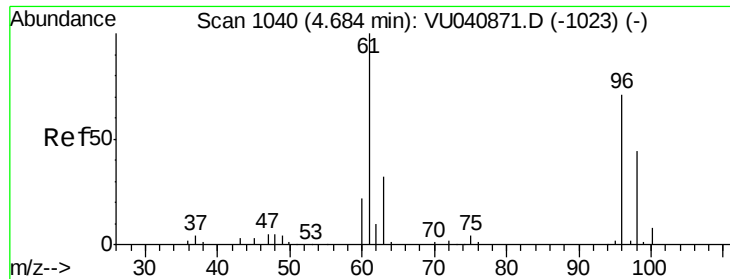
Tot Ion: 84 Resp: 8532
Ion Ratio Lower Upper
84 100
86 59.3 44.9 83.5
49 134.9 94.7 175.9



#18
trans-1,2-Dichloroethene
Concen: 0.130 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040890.D
Acq: 21 Oct 2020 22:09

Tgt Ion: 96 Resp: 2206
Ion Ratio Lower Upper
96 100
61 140.0 107.9 200.3
98 62.9 47.5 88.1





#22

cis-1,2-Dichloroethene

Concen: 13.418 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040890.D

Acq: 21 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

ETZ49DL

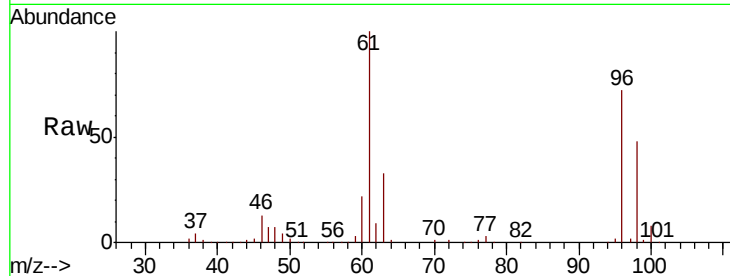
Tot Ion: 96 Resp: 249189

Ion Ratio Lower Upper

96 100

61 138.4 100.0 185.6

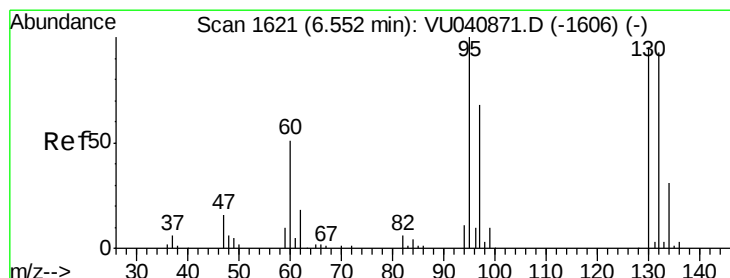
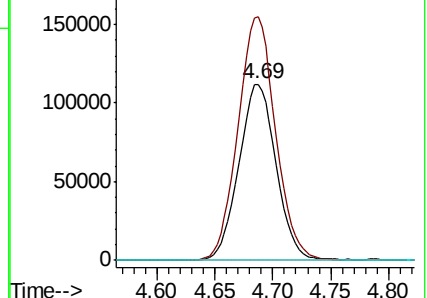
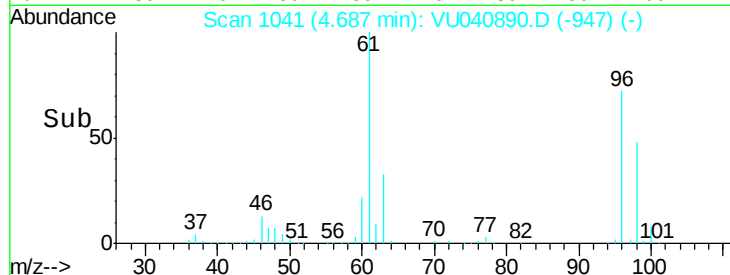
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040890.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040890.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040890.D (-947) (-)



#34

Trichloroethene

Concen: 0.091 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040890.D

Acq: 21 Oct 2020 22:09

Tgt Ion: 95 Resp: 1692

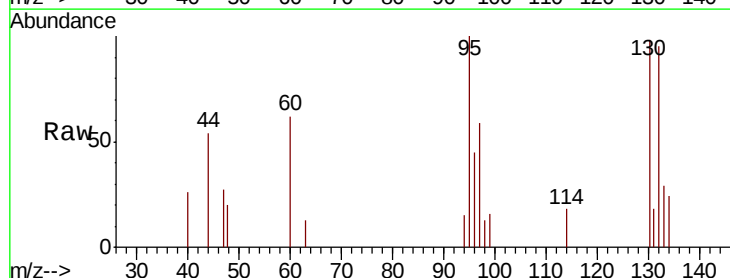
Ion Ratio Lower Upper

95 100

97 58.7 46.0 85.4

132 95.0 63.6 118.2

130 98.2 68.6 127.4

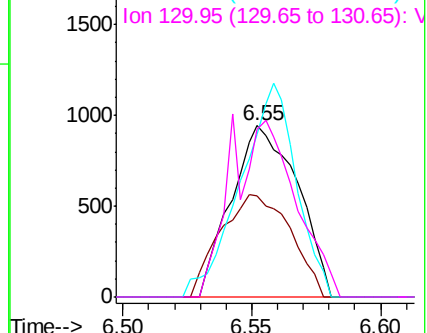
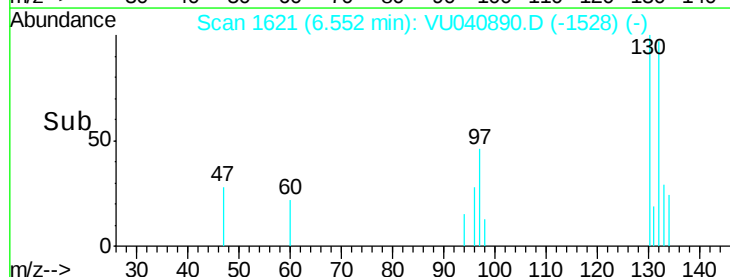


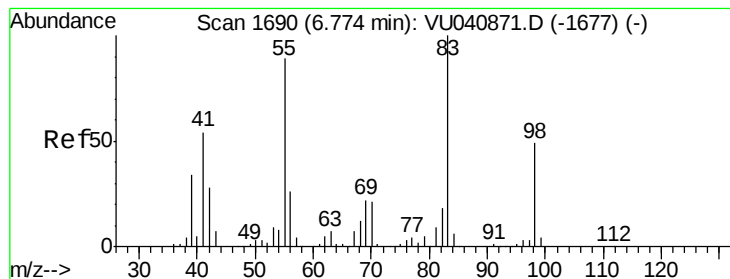
Abundance Ion 95.00 (94.70 to 95.70): VU040890.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040890.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040890.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040890.D (-1528) (-)





#35

Methvlcvclohexane

Concen: 0.832 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040890.D

Acq: 21 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

ETZ49DL

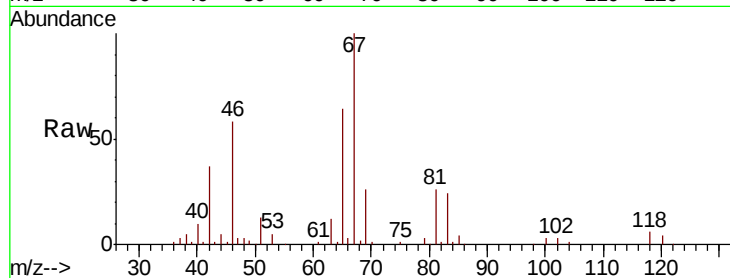
Tot Ion: 83 Resp: 23067

Ion Ratio Lower Upper

83 100

55 0.5 69.1 103.7#

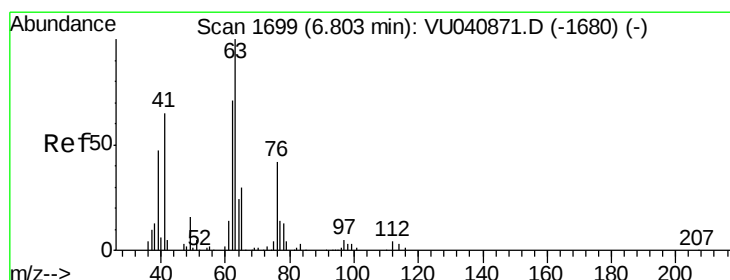
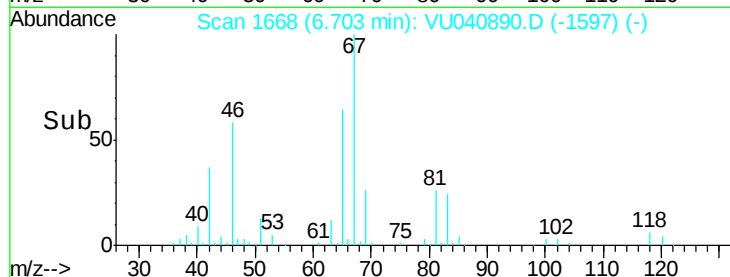
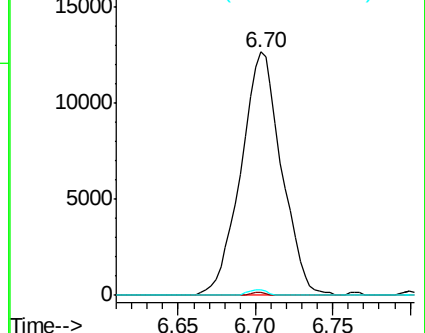
98 1.1 37.8 56.6#



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: 0.615 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040890.D

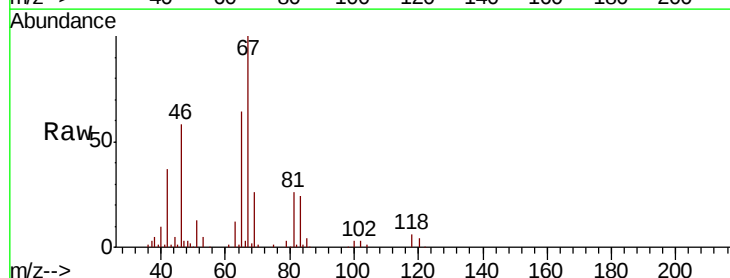
Acq: 21 Oct 2020 22:09

Tgt Ion: 63 Resp: 12082

Ion Ratio Lower Upper

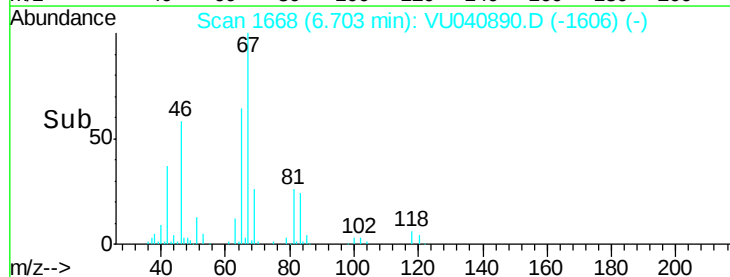
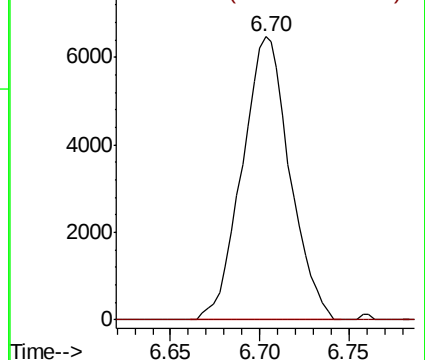
63 100

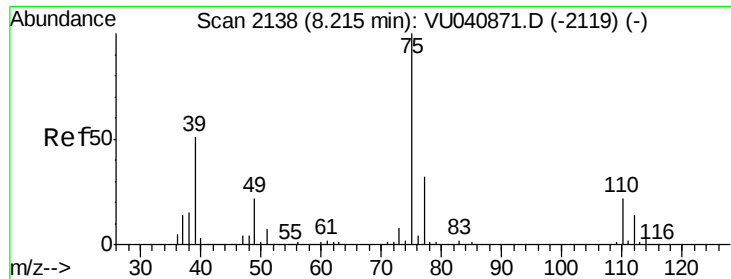
112 0.7 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

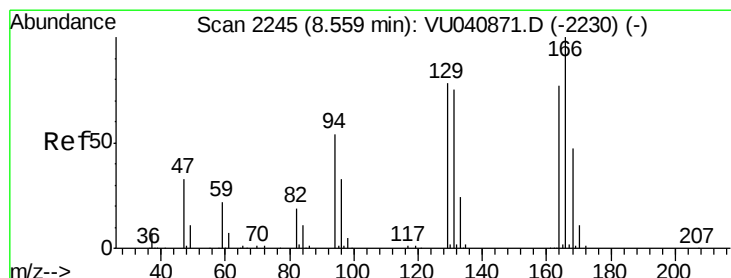
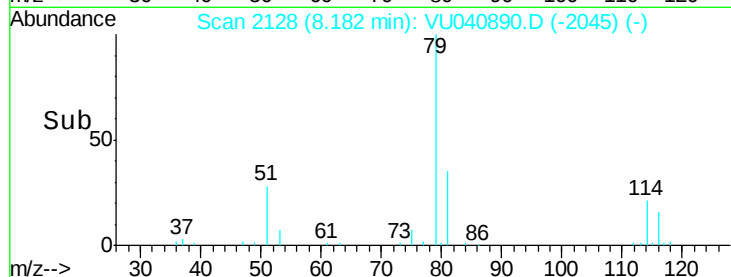
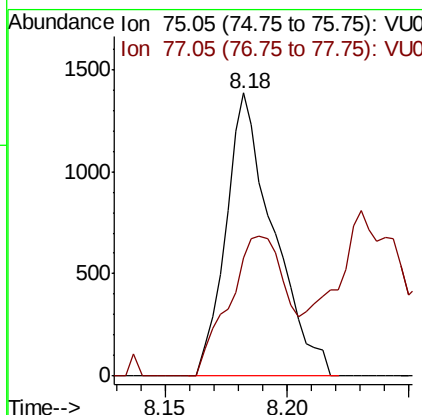
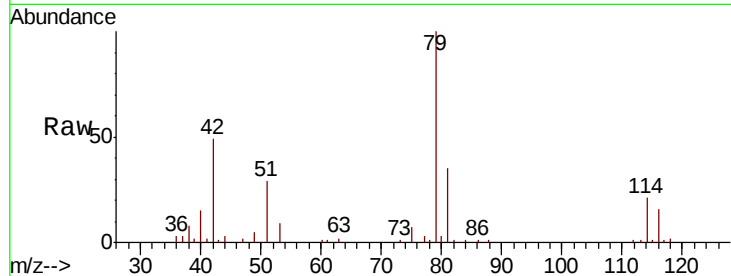




#44
trans-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040890.D
Acq: 21 Oct 2020 22:09

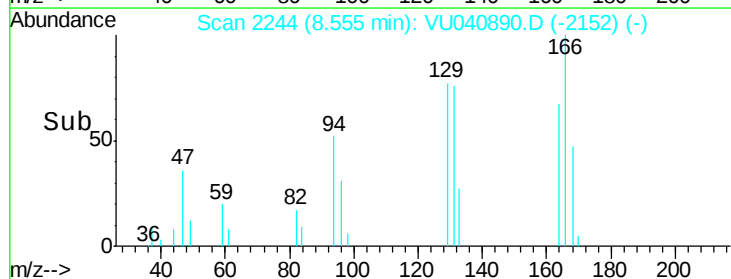
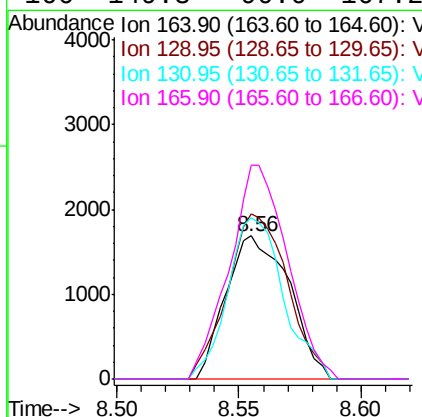
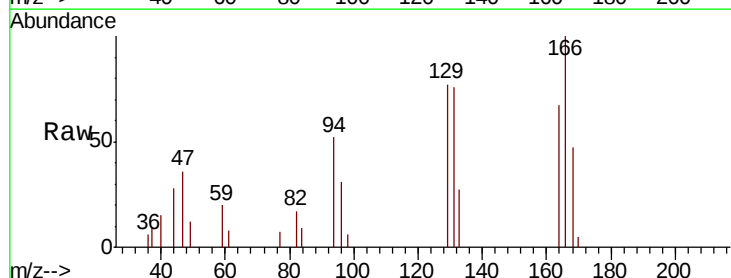
Instrument :
MSVOA_U
ClientSampled :
ETZ49DL

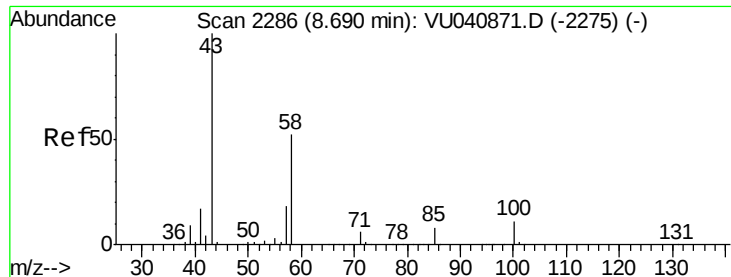
Tot Ion: 75 Resp: 1873
Ion Ratio Lower Upper
75 100
77 41.6 22.6 42.0



#47
Tetrachloroethene
Concen: 0.221 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040890.D
Acq: 21 Oct 2020 22:09

Tgt Ion:164 Resp: 3047
Ion Ratio Lower Upper
164 100
129 115.3 69.7 129.4
131 113.0 65.4 121.4
166 149.3 90.0 167.2

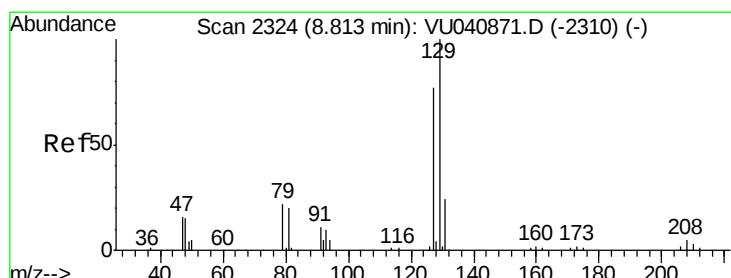
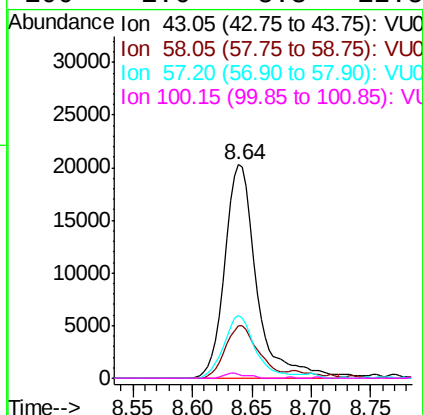
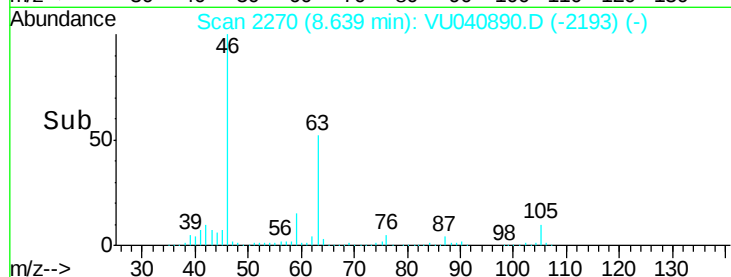
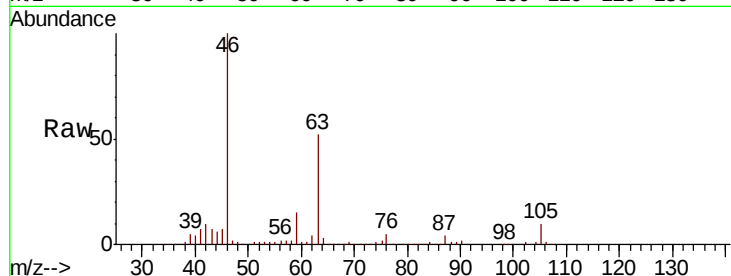




#48
2-Hexanone
Concen: 3.924 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040890.D
Acq: 21 Oct 2020 22:09

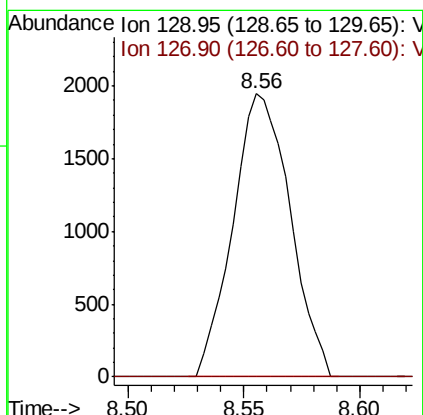
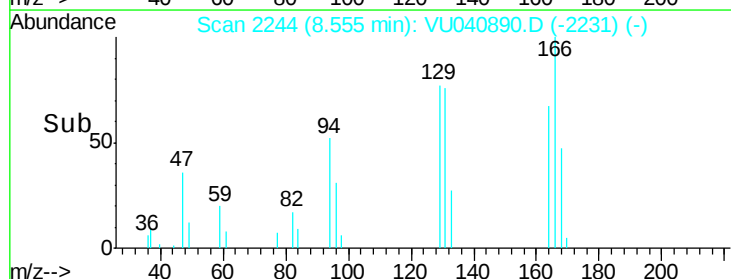
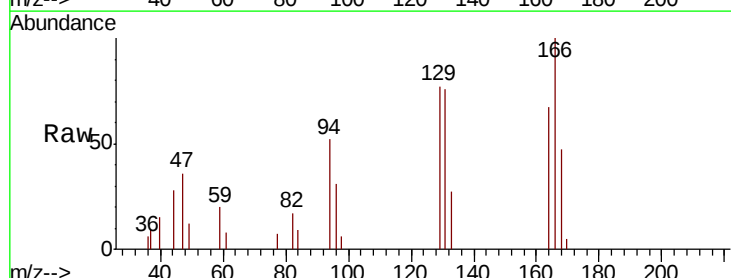
Instrument :
MSVOA_U
ClientSampleId :
ETZ49DL

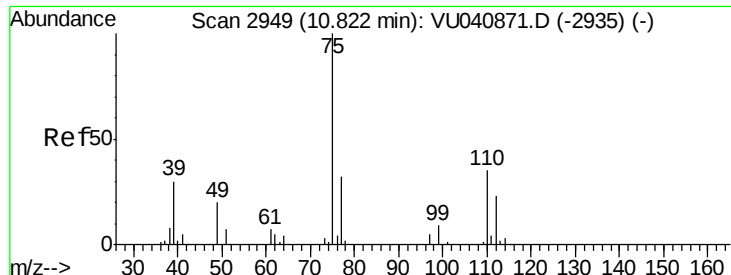
Tot Ion: 43 Resp: 37653
Ion Ratio Lower Upper
43 100
58 25.6 40.9 61.3#
57 29.4 14.4 21.6#
100 1.6 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.208 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040890.D
Acq: 21 Oct 2020 22:09

Tgt Ion: 129 Resp: 3325
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.9#





#59

1,2,3-Trichloropropane

Concen: 1.049 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040890.D

Acq: 21 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

ETZ49DL

Tot Ion: 75 Resp: 13404

Ion Ratio Lower Upper

75 100

77 38.0 27.5 41.3

