

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122920\
 Data File : VU041831.D
 Acq On : 29 Dec 2020 12:09
 Operator : SY/MD
 Sample : L5204-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL5

Quant Time: Dec 30 01:49:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 30 01:48:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	146700	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	144216	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63841	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	56081	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.92	69	54779	6.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.40%
11) 1,1-Dichloroethene-d2	2.57	63	79987	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.65	46	142559	43.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.54%
24) Chloroform-d	5.08	84	98378	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.71	65	52650	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	195593	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.70	67	60037	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.90	98	171856	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.19	79	25095	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.64	63	129921	40.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53757	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	61302	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

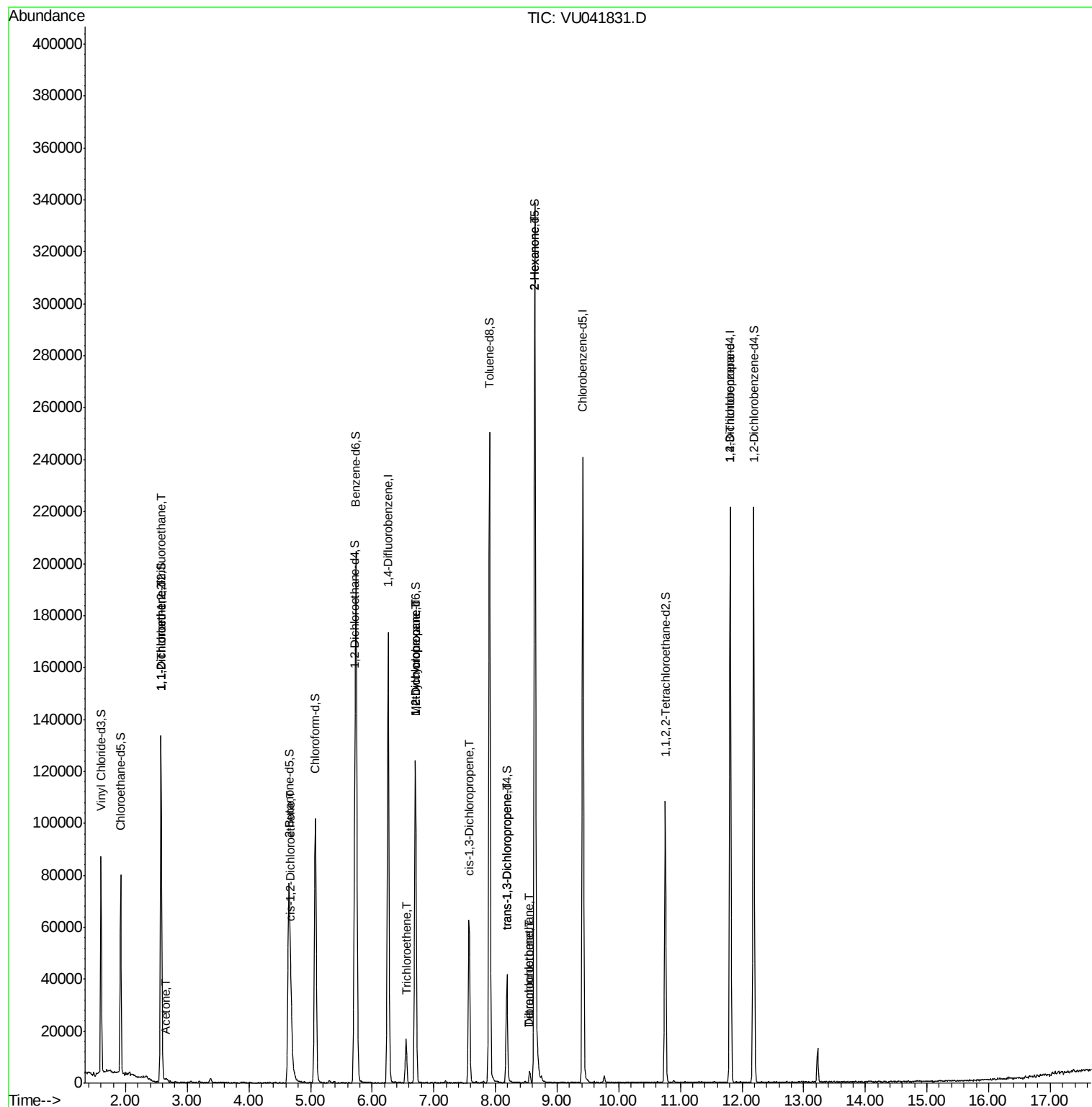
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	769	0.076	ug/L #	22
12) 1,1-Dichloroethene	2.57	96	602	0.060	ug/L #	1
13) Acetone	2.66	43	2069	0.987	ug/L	66
22) cis-1,2-Dichloroethene	4.69	96	5430	0.477	ug/L	88
34) Trichloroethene	6.55	95	5261	0.454	ug/L #	89
35) Methylcyclohexane	6.70	83	13872	0.740	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6248	0.530	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1513	0.087	ug/L #	80
44) trans-1,3-Dichloropropene	8.18	75	929	0.059	ug/L #	58
47) Tetrachloroethene	8.55	164	1138	0.140	ug/L	93
48) 2-Hexanone	8.64	43	13419	2.196	ug/L #	67
49) Dibromochloromethane	8.56	129	1213	0.121	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6633	0.749	ug/L	100

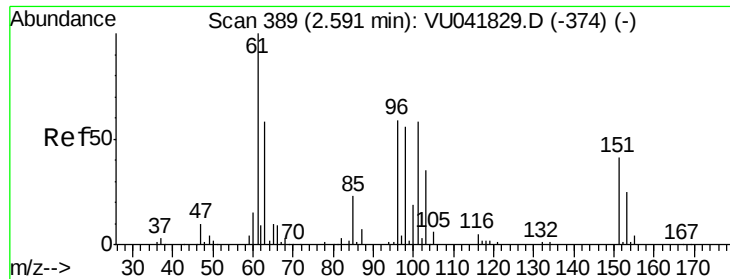
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 30 01:49:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 30 01:48:43 2020
Response via : Initial Calibration





#10

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

Concen: 0.076 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

C0AL5

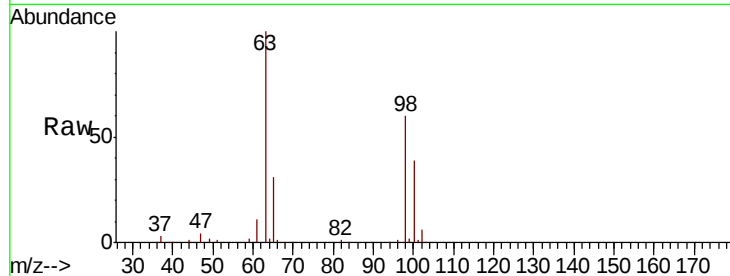
Tot Ion:101 Resp: 769

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): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.57

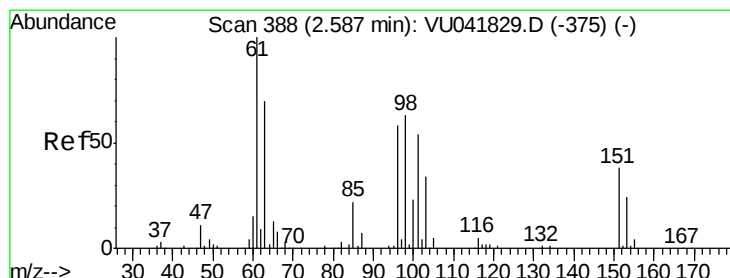
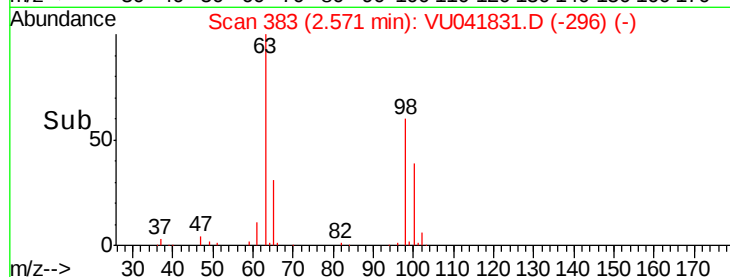
400

200

0

2.54 2.56 2.58 2.60 2.62

Time-->



#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

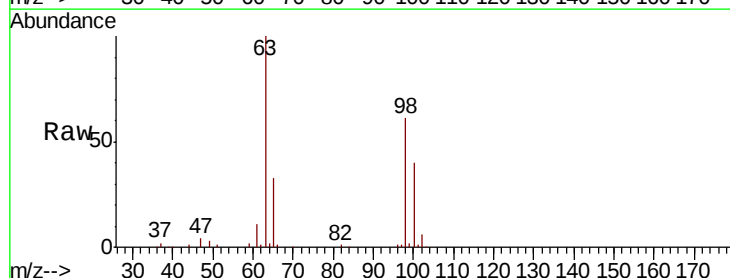
Tgt Ion: 96 Resp: 602

Ion Ratio Lower Upper

96 100

61 1160.0 123.8 230.0#

63 10777.9 81.0 150.4#



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

60000

50000

40000

30000

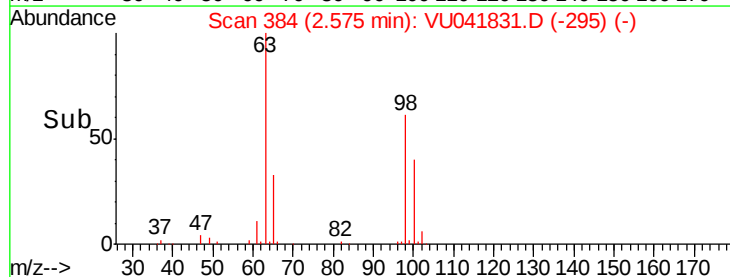
20000

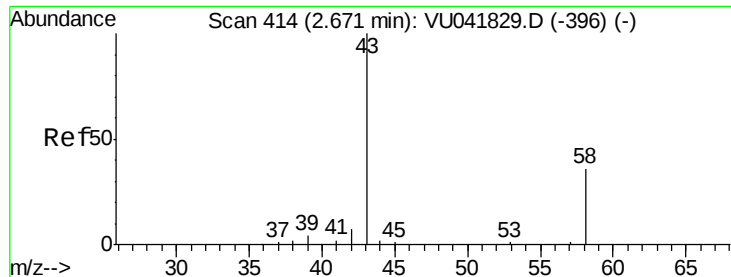
10000

0

2.54 2.56 2.58 2.60

Time-->





#13

Acetone

Concen: 0.987 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

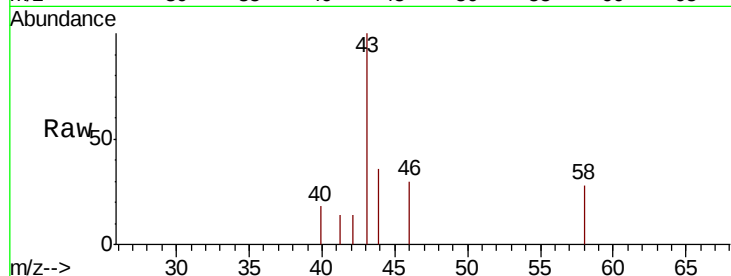
C0AL5

Tot Ion: 43 Resp: 2069

Ion Ratio Lower Upper

43 100

58 16.5 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041829.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041829.D (-396) (-)

2.66

800

600

400

200

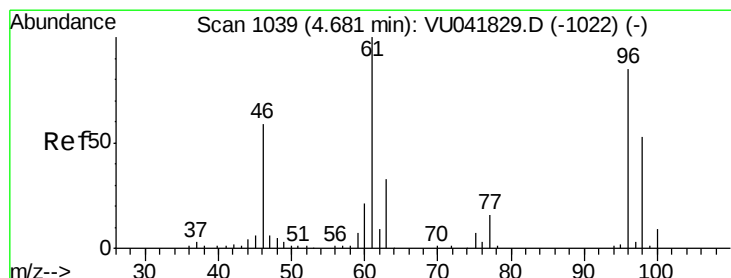
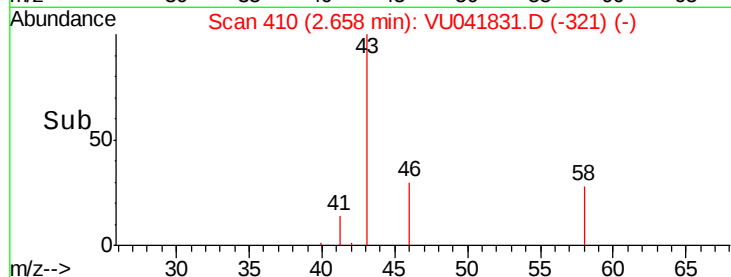
0

2.60

2.65

2.70

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.477 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

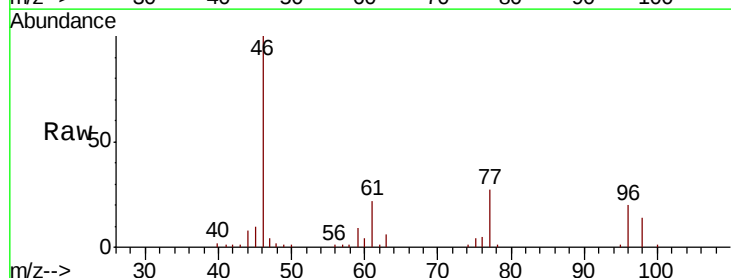
Tgt Ion: 96 Resp: 5430

Ion Ratio Lower Upper

96 100

61 113.0 88.8 165.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041829.D (-1022) (-)

Ion 61.05 (60.75 to 61.75): VU041829.D (-1022) (-)

Ion 68.15 (67.85 to 68.85): VU041829.D (-1022) (-)

4000

3000

2000

1000

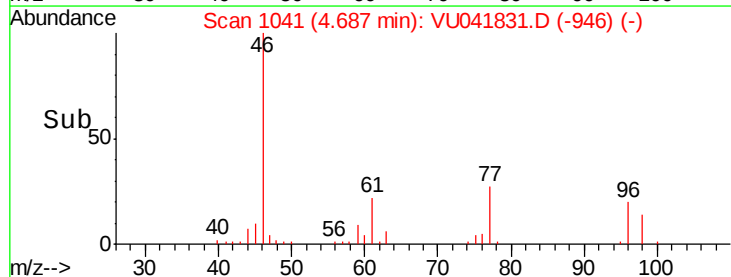
0

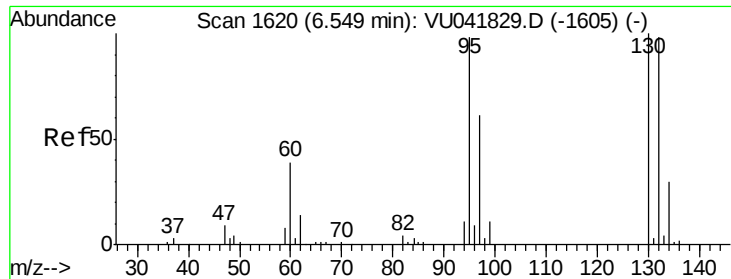
4.65

4.70

4.75

Time-->





#34

Trichloroethene

Concen: 0.454 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

Instrument :

MSVOA_U

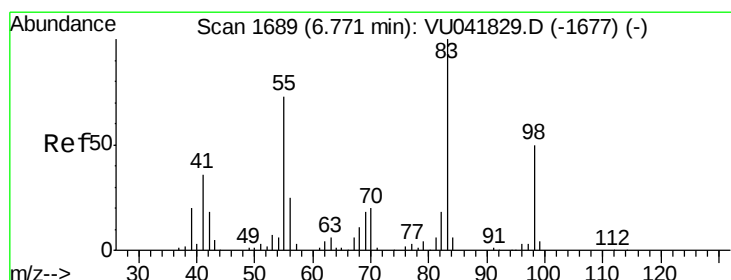
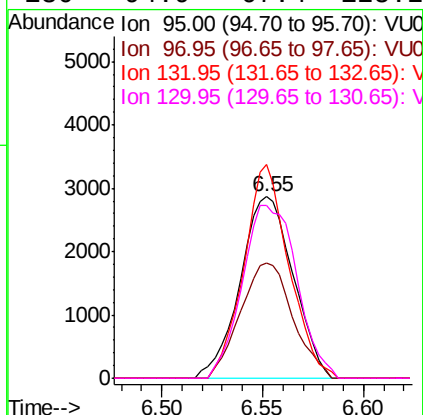
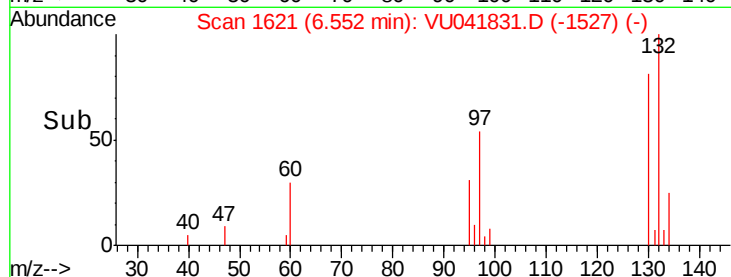
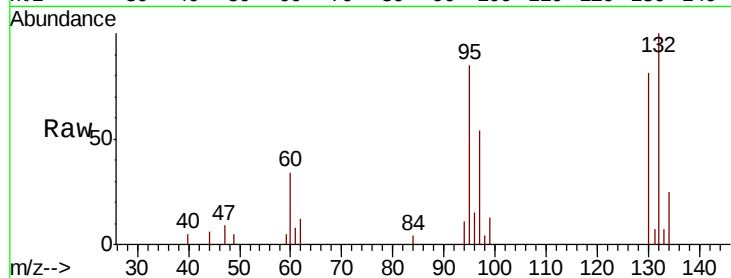
ClientSampleId :

C0AL5

Tot Ion: 95 Resp: 5261

Ion Ratio Lower Upper

95	100		
97	63.6	43.9	81.5
132	117.6	63.1	117.3#
130	94.9	67.4	125.2



#35

Methylcyclohexane

Concen: 0.740 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

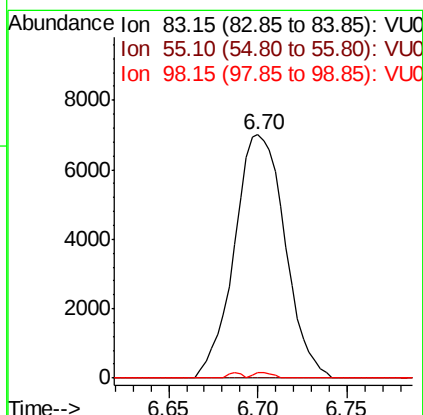
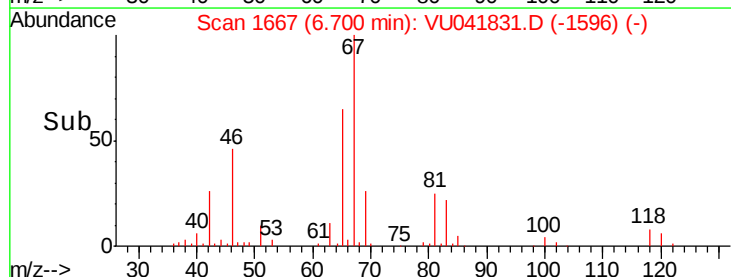
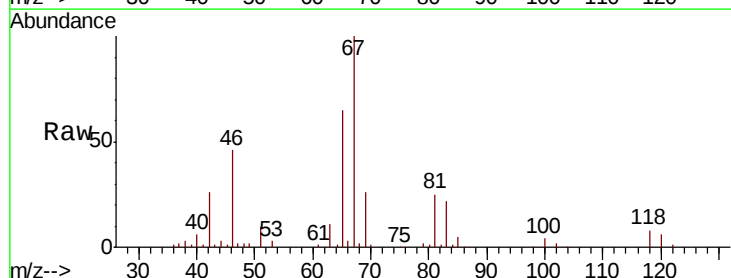
Lab File: VU041831.D

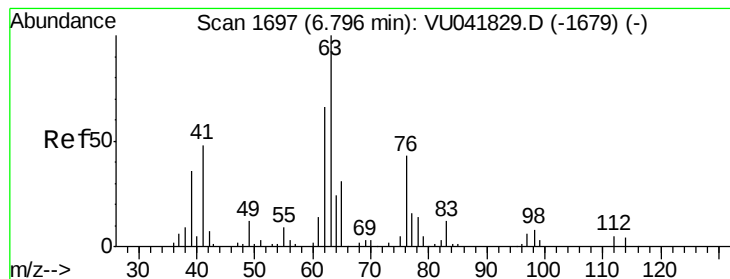
Acq: 29 Dec 2020 12:09

Tgt Ion: 83 Resp: 13872

Ion Ratio Lower Upper

83	100		
55	0.0	61.2	91.8#
98	0.9	36.6	54.8#





#37

1,2-Dichloropropane

Concen: 0.530 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

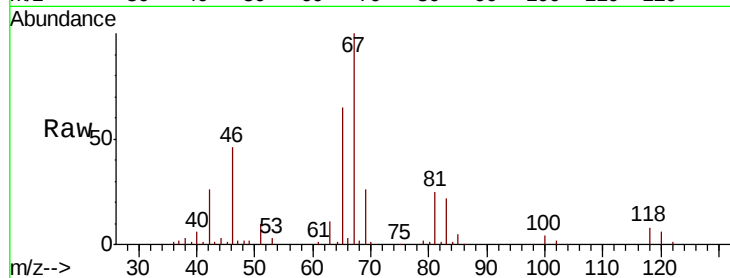
C0AL5

Tot Ion: 63 Resp: 6248

Ion Ratio Lower Upper

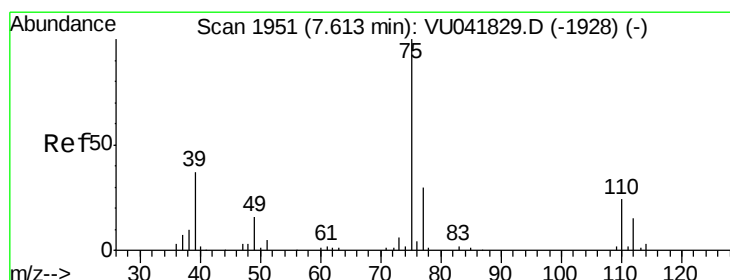
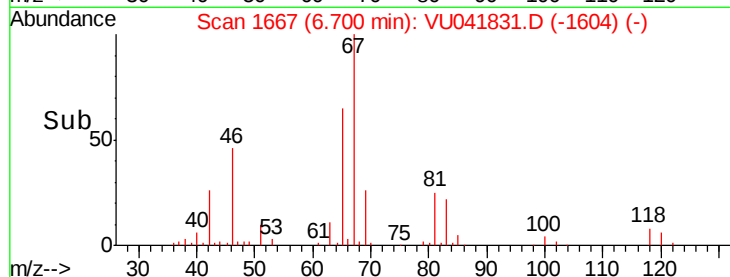
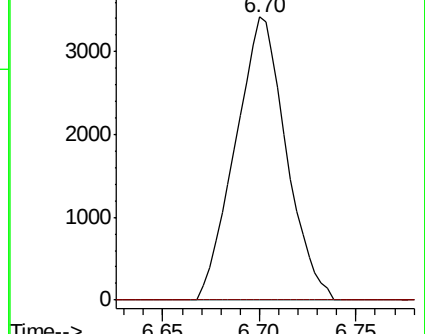
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041829.D (-1679) (-)

Ion 112.10 (111.80 to 112.80): VU041829.D (-1679) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041831.D

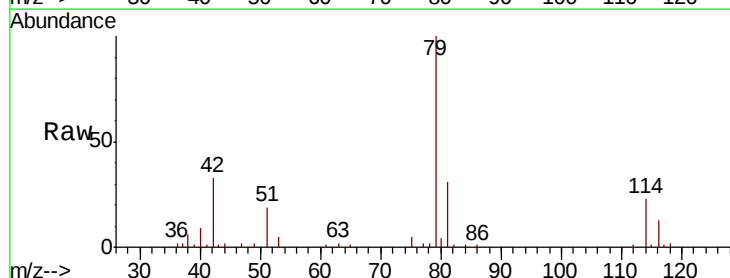
Acq: 29 Dec 2020 12:09

Tgt Ion: 75 Resp: 1513

Ion Ratio Lower Upper

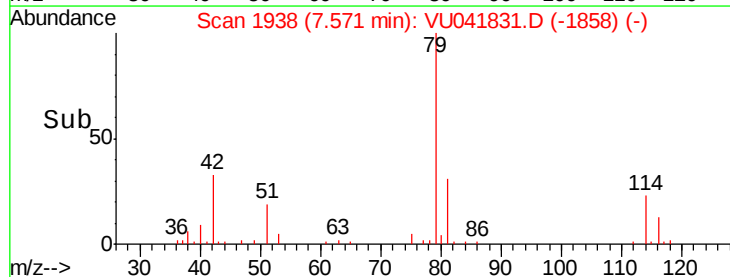
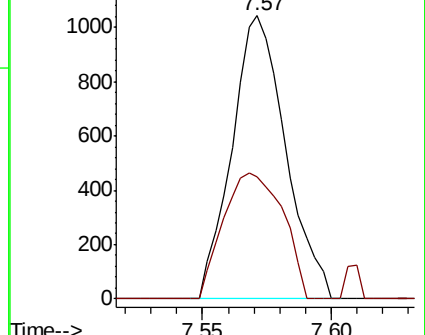
75 100

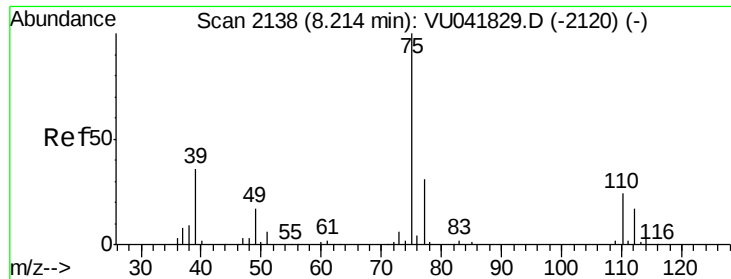
77 43.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041829.D (-1928) (-)

Ion 77.05 (76.75 to 77.75): VU041829.D (-1928) (-)

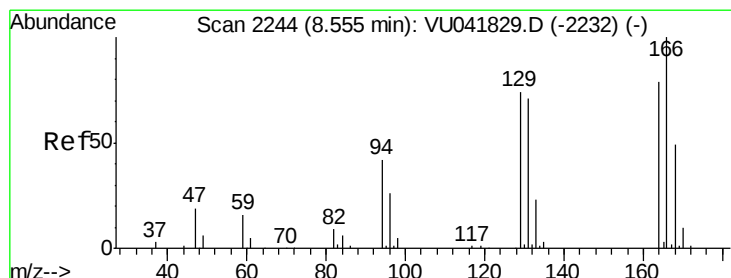
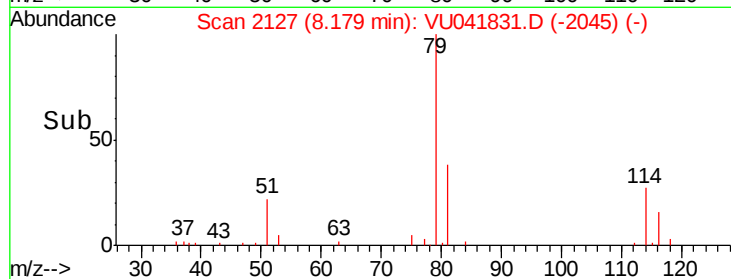
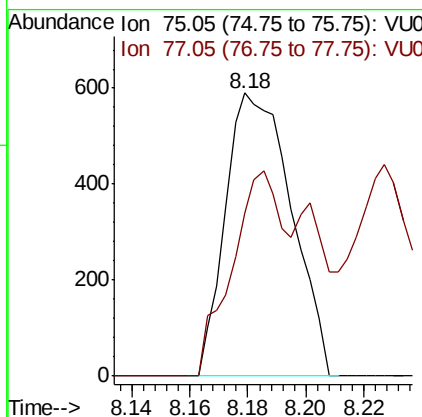
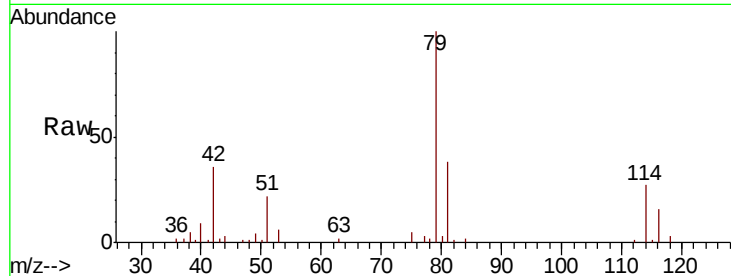




#44
trans-1,3-Dichloropropene
Concen: 0.059 ug/L
RT: 8.18 min Scan# 2127
Delta R.T. -0.04 min
Lab File: VU041831.D
Acq: 29 Dec 2020 12:09

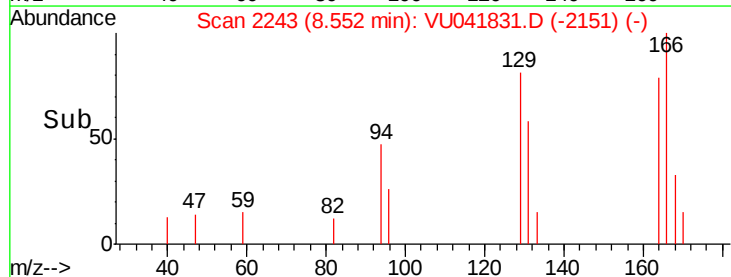
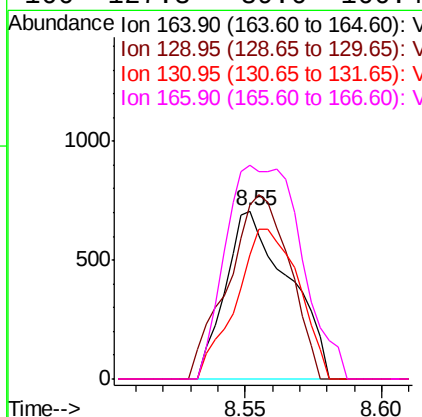
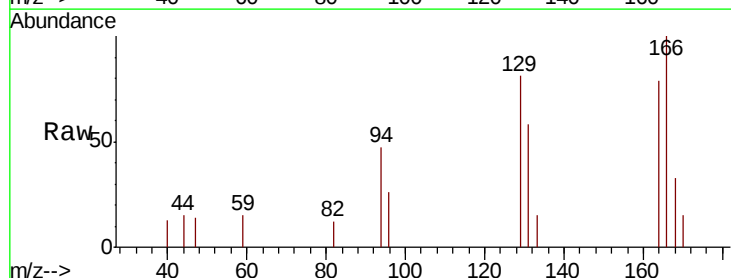
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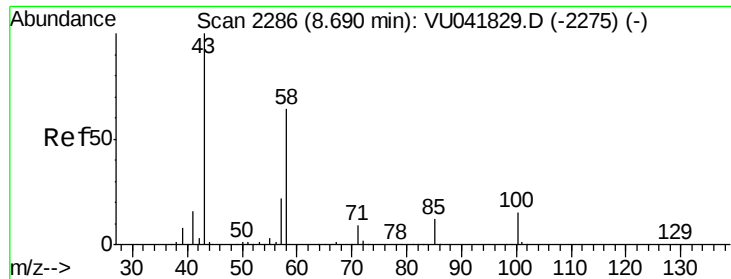
Tot Ion: 75 Resp: 929
Ion Ratio Lower Upper
75 100
77 57.8 23.8 44.2#



#47
Tetrachloroethene
Concen: 0.140 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.00 min
Lab File: VU041831.D
Acq: 29 Dec 2020 12:09

Tgt Ion:164 Resp: 1138
Ion Ratio Lower Upper
164 100
129 103.4 72.2 134.0
131 74.1 66.9 124.3
166 127.3 89.6 166.4

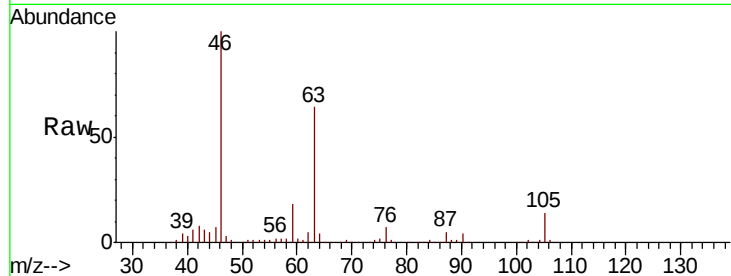




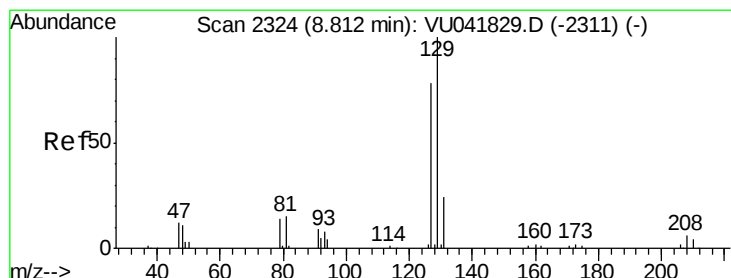
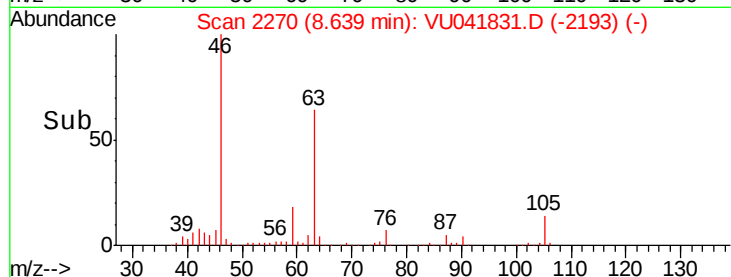
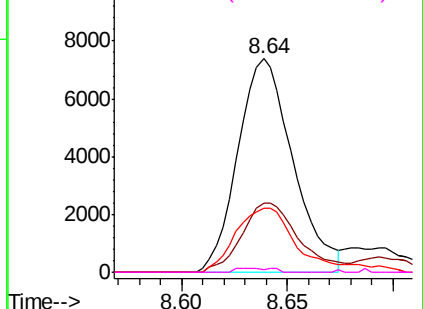
#48
2-Hexanone
Concen: 2.196 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041831.D
Acq: 29 Dec 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
C0AL5

Tot Ion: 43 Resp: 13419
Ion Ratio Lower Upper
43 100
58 33.5 47.9 71.9#
57 34.5 16.5 24.7#
100 0.8 9.4 14.2#

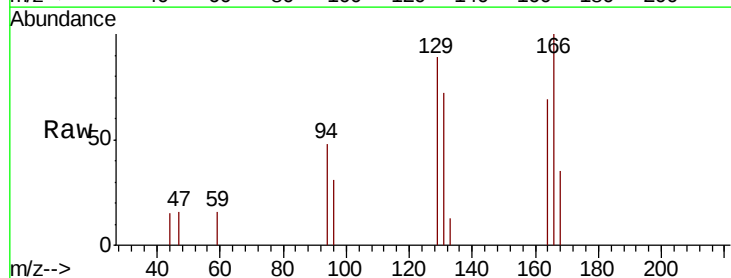


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

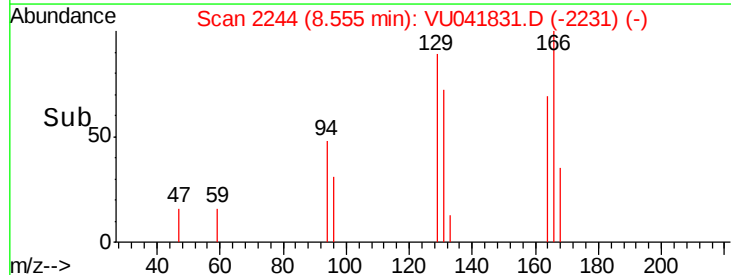
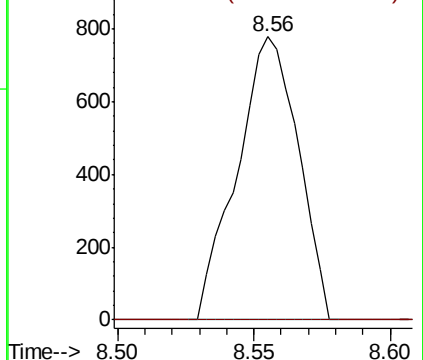


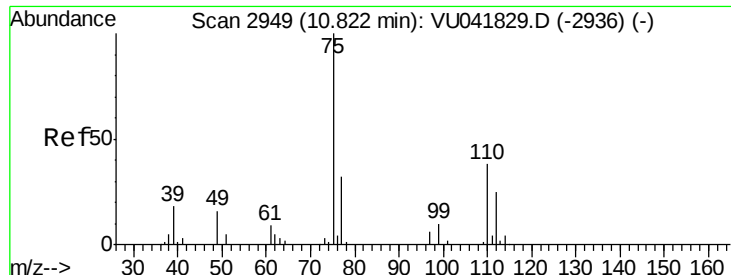
#49
Dibromochloromethane
Concen: 0.121 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041831.D
Acq: 29 Dec 2020 12:09

Tgt Ion:129 Resp: 1213
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: 0.749 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

C0AL5

Tot Ion: 75 Resp: 6633

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

