

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040431.D
 Acq On : 01 Oct 2020 19:55
 Operator : SY/MD
 Sample : L4202-01DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB4DL2

Quant Time: Oct 02 05:27:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 05:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119306	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122384	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53674	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23946	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.92	69	24542	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	40798	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.65	46	159475	54.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.70%
24) Chloroform-d	5.08	84	66047	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.72	65	43264	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	115426	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	43480	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	88964	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	16357	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	109740	50.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43029	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	43610	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

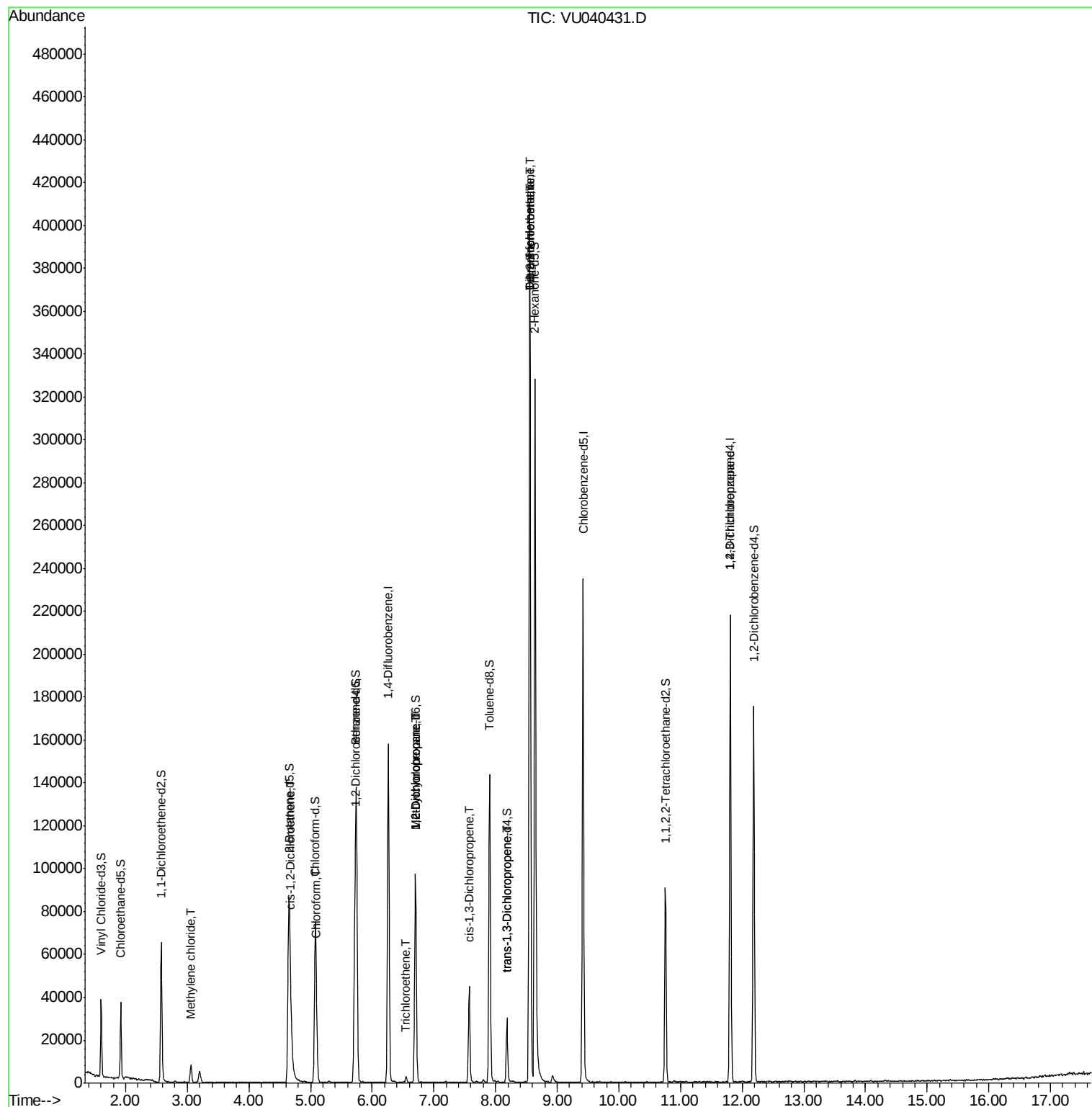
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.06	84	3458	0.303	ug/L	90
22) cis-1,2-Dichloroethene	4.68	96	1751	0.168	ug/L	100
25) Chloroform	5.11	83	4129	0.210	ug/L	80
34) Trichloroethene	6.56	95	778	0.071	ug/L #	75
35) Methylcyclohexane	6.70	83	10704	0.670	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	4934	0.432	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1332	0.087	ug/L #	68
44) trans-1,3-Dichloropropene	8.18	75	756	0.054	ug/L #	80
45) 1,1,2-Trichloroethane	8.55	97	1042	0.130	ug/L #	16
47) Tetrachloroethene	8.56	164	84869	10.973	ug/L	97
49) Dibromochloromethane	8.56	129	82516	8.856	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7609	0.919	ug/L	91

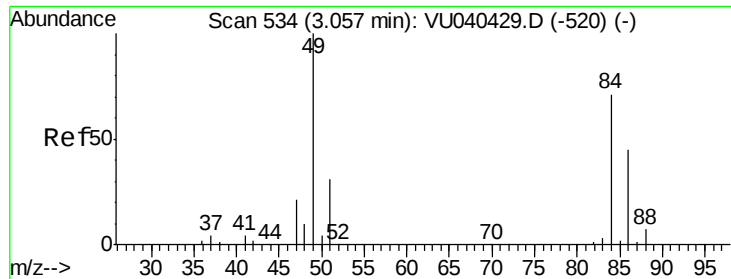
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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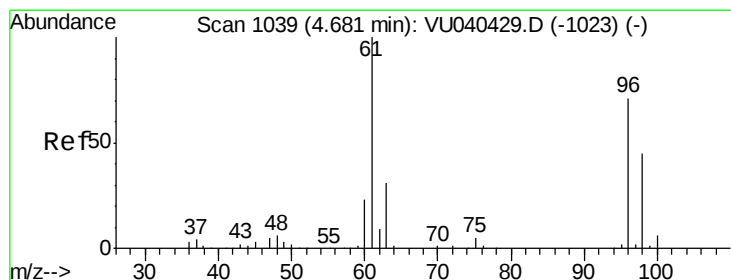
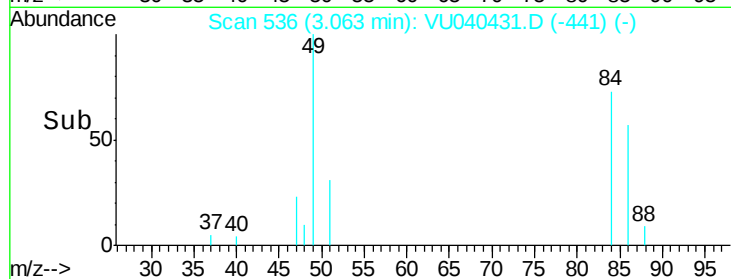
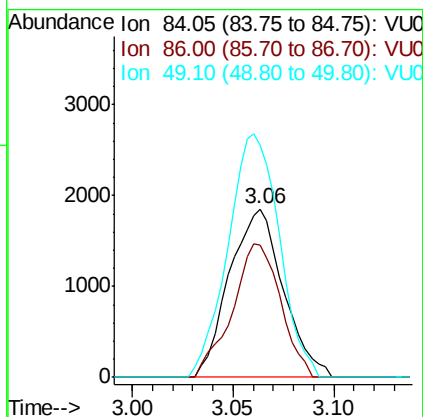
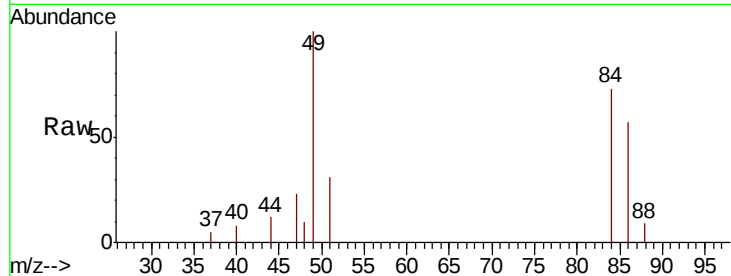




#16
Methylene chloride
Concen: 0.303 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU040431.D
Acq: 01 Oct 2020 19:55

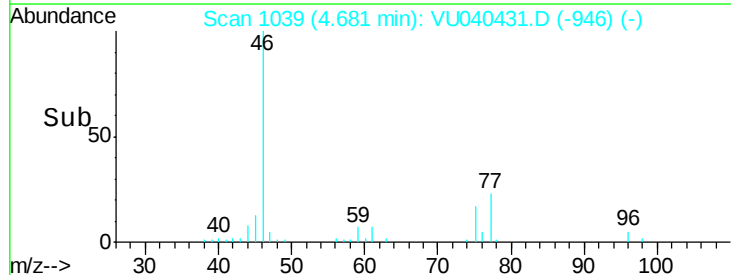
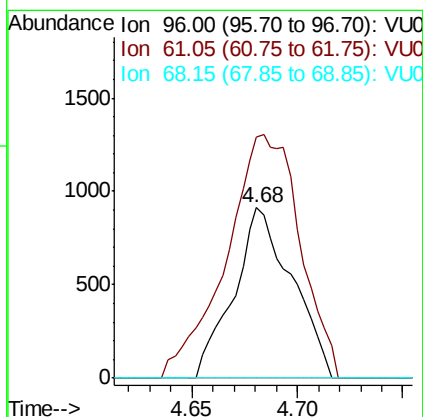
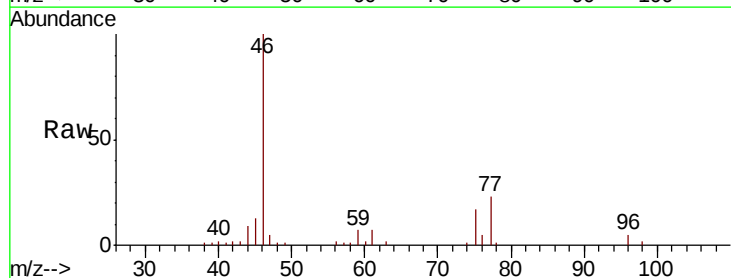
Instrument :
MSVOA_U
ClientSampleId :
BFSB4DL2

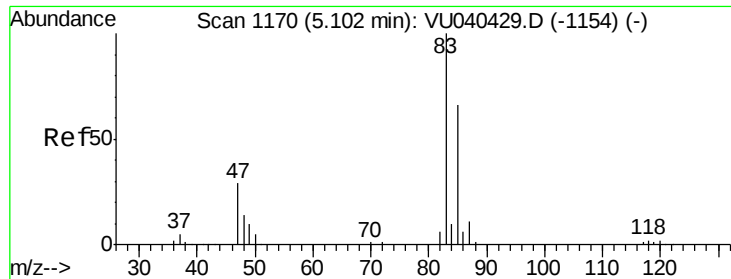
Tot Ion: 84 Resp: 3458
Ion Ratio Lower Upper
84 100
86 78.2 44.4 82.5
49 137.8 92.2 171.2



#22
cis-1,2-Dichloroethene
Concen: 0.168 ug/L
RT: 4.68 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VU040431.D
Acq: 01 Oct 2020 19:55

Tgt Ion: 96 Resp: 1751
Ion Ratio Lower Upper
96 100
61 141.7 99.3 184.5
68 0.0 0.0 0.0

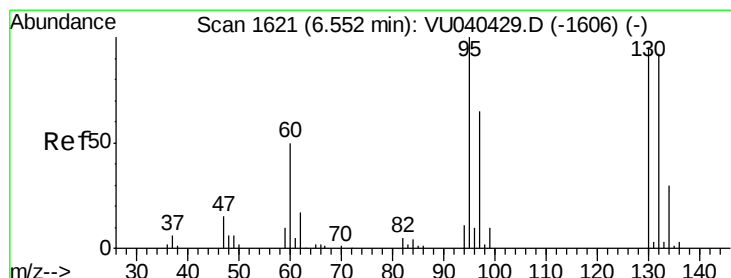
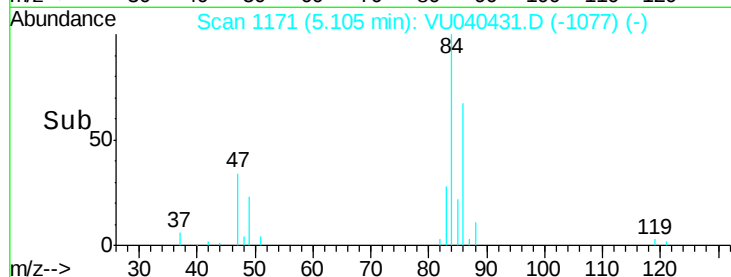
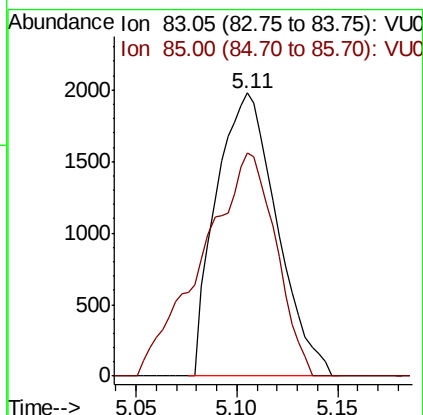
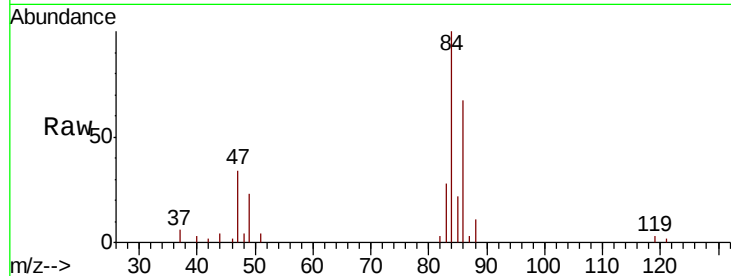




#25
Chloroform
Concen: 0.210 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040431.D
Acq: 01 Oct 2020 19:55

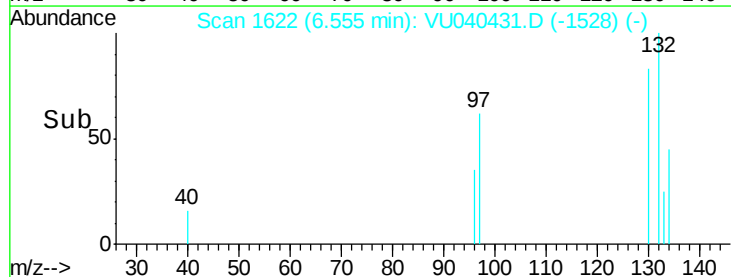
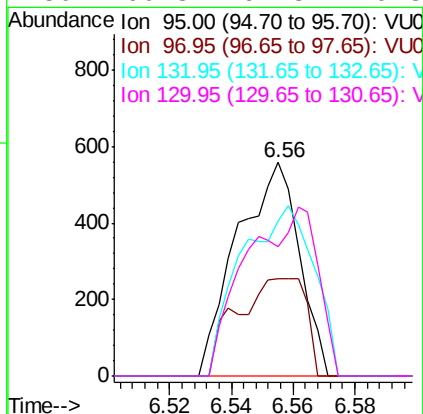
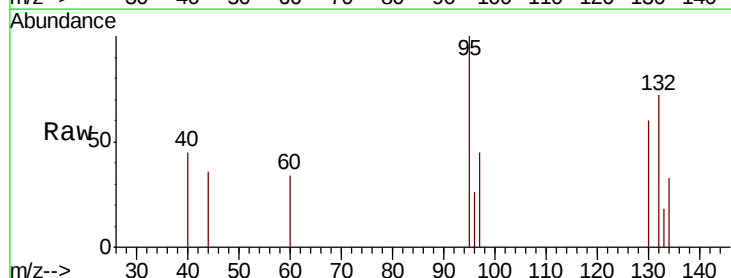
Instrument :
MSVOA_U
ClientSampleId :
BFSB4DL2

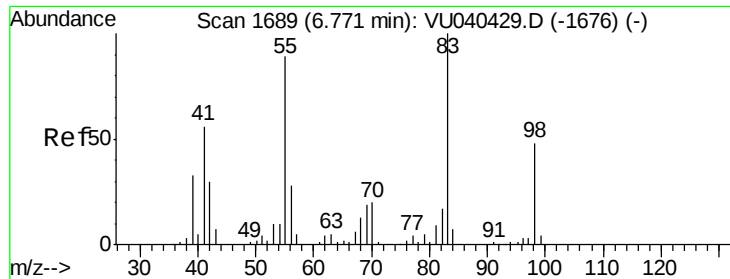
Tot Ion: 83 Resp: 4129
Ion Ratio Lower Upper
83 100
85 79.1 44.6 82.8



#34
Trichloroethene
Concen: 0.071 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU040431.D
Acq: 01 Oct 2020 19:55

Tgt Ion: 95 Resp: 778
Ion Ratio Lower Upper
95 100
97 45.3 46.3 85.9#
132 72.5 60.5 112.3
130 60.3 64.3 119.3#

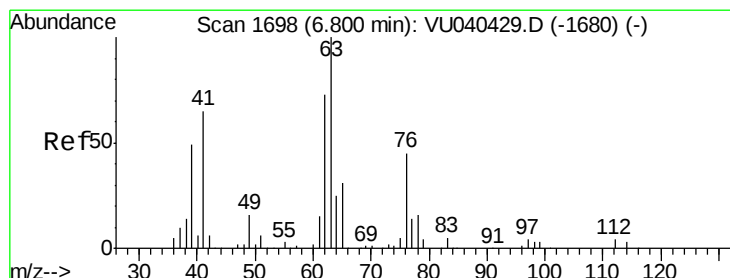
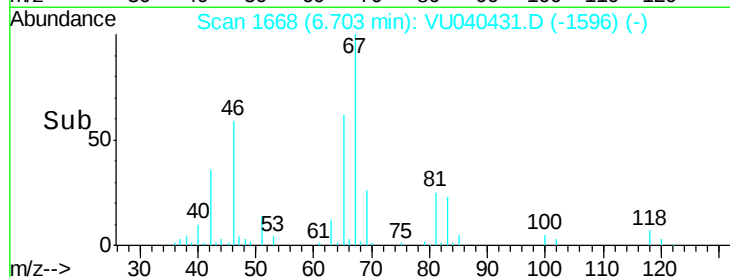
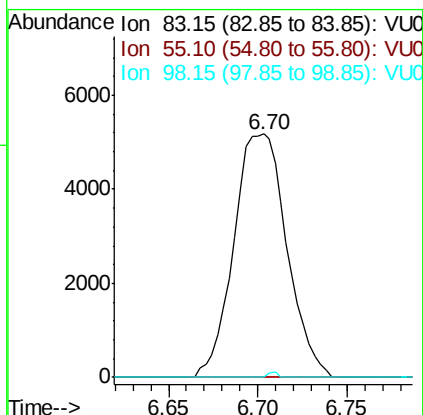
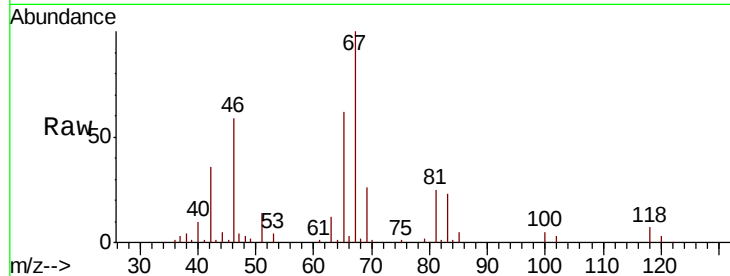




#35
Methvlcvclohexane
Concen: 0.670 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040431.D
Acq: 01 Oct 2020 19:55

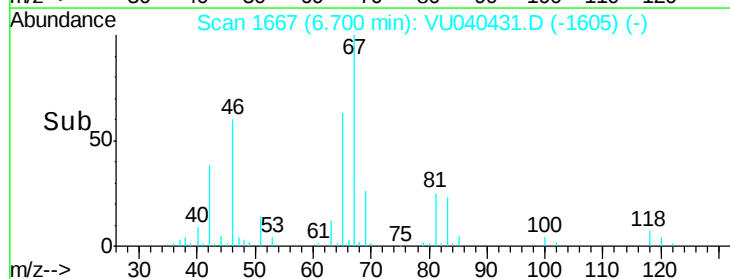
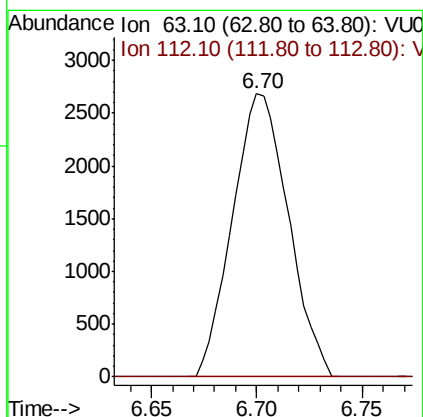
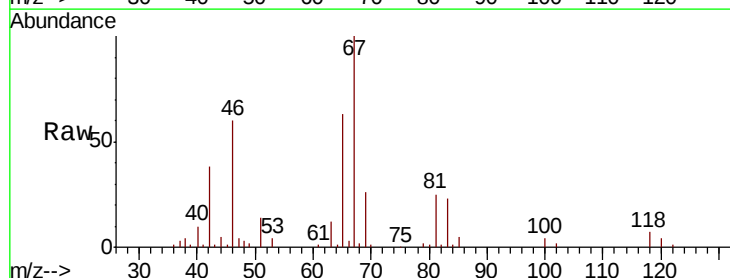
Instrument :
MSVOA_U
ClientSampleId :
BFSB4DL2

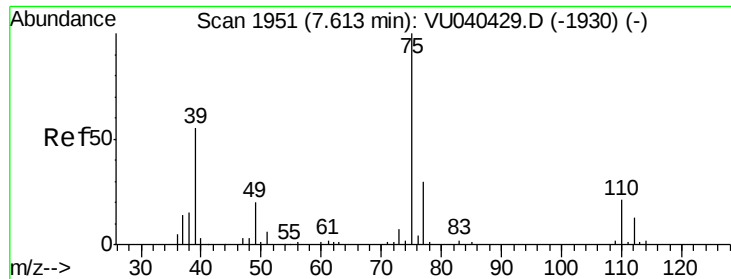
Tot Ion: 83 Resp: 10704
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.4 38.5 57.7#



#37
1,2-Dichloropropane
Concen: 0.432 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040431.D
Acq: 01 Oct 2020 19:55

Tgt Ion: 63 Resp: 4934
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

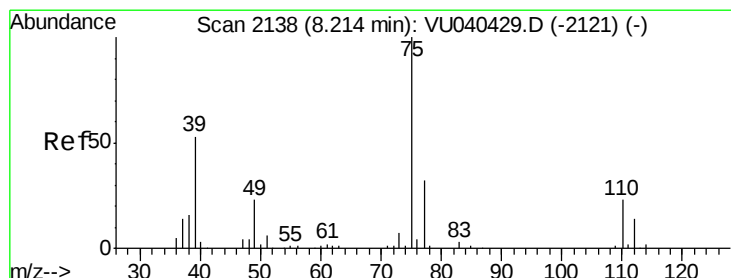
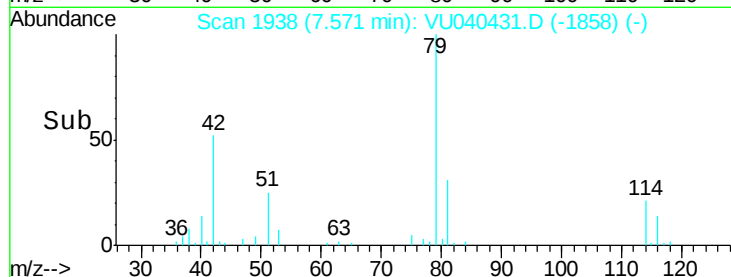
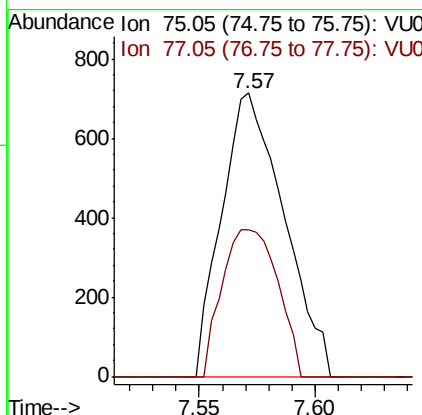
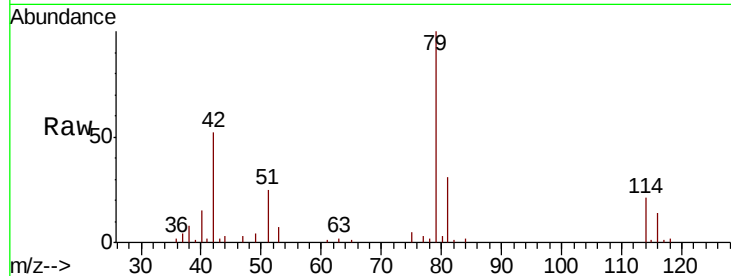




#39
 cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040431.D
 Acq: 01 Oct 2020 19:55

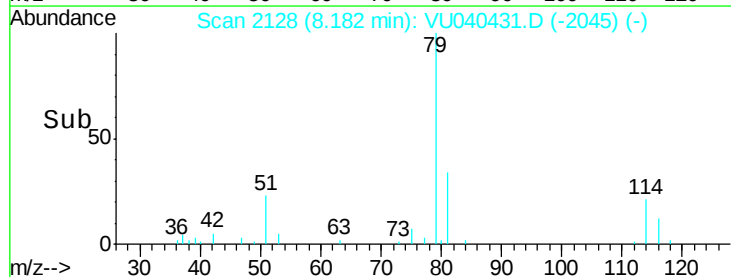
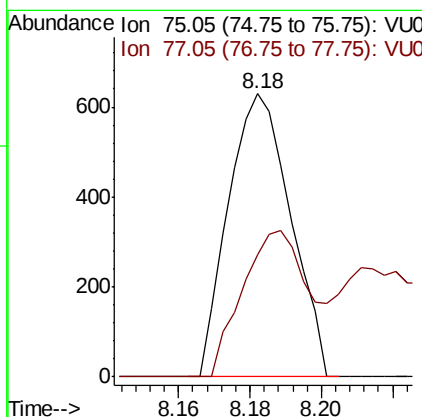
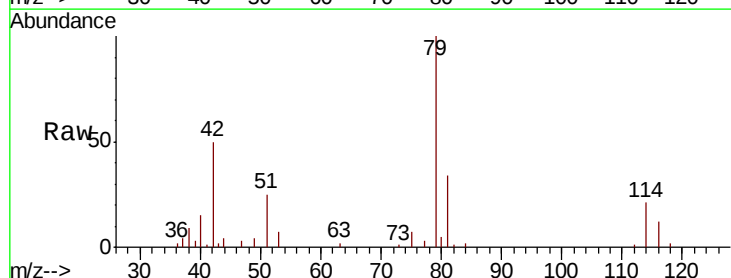
Instrument :
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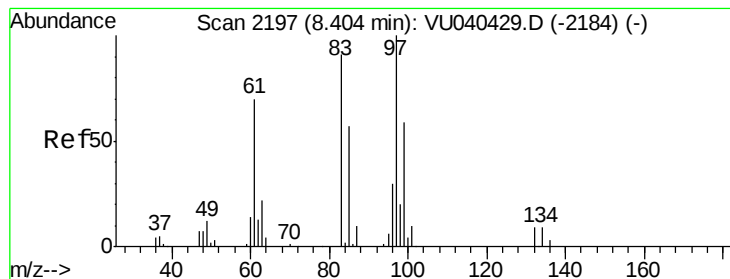
Tot Ion: 75 Resp: 1332
 Ion Ratio Lower Upper
 75 100
 77 51.8 23.5 43.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.054 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU040431.D
 Acq: 01 Oct 2020 19:55

Tgt Ion: 75 Resp: 756
 Ion Ratio Lower Upper
 75 100
 77 43.1 22.3 41.3#





#45

1,1,2-Trichloroethane

Concen: 0.130 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. 0.15 min

Lab File: VU040431.D

Acq: 01 Oct 2020 19:55

Instrument :

MSVOA_U

ClientSampleId :

BFSB4DL2

Tot Ion: 97 Resp: 1042

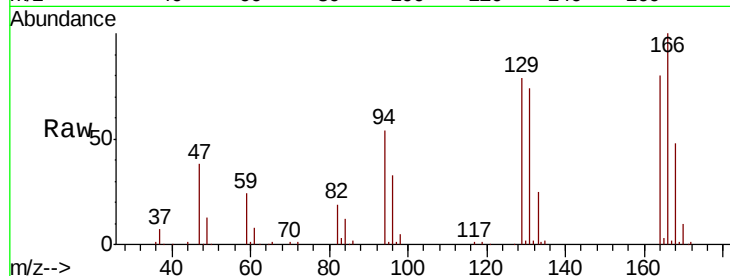
Ion Ratio Lower Upper

97 100

99 0.0 45.8 85.0#

83 202.7 62.9 116.9#

85 36.0 41.7 77.5#



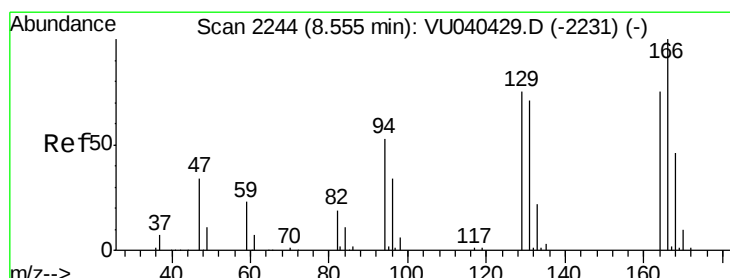
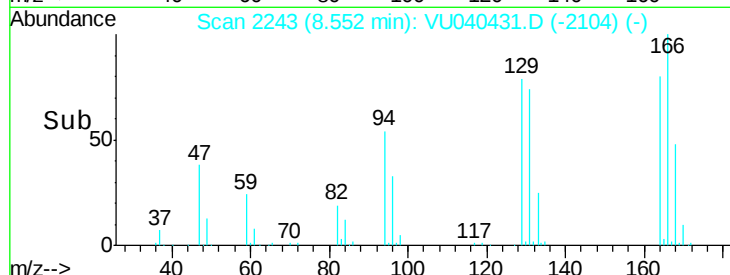
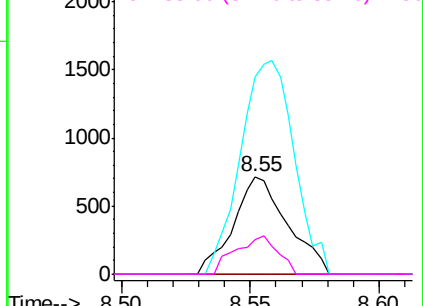
Abundance

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: 10.973 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040431.D

Acq: 01 Oct 2020 19:55

Tgt Ion: 164 Resp: 84869

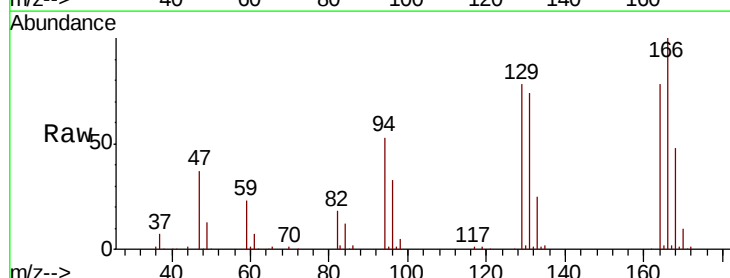
Ion Ratio Lower Upper

164 100

129 99.0 70.3 130.7

131 93.9 69.2 128.6

166 127.5 91.1 169.3



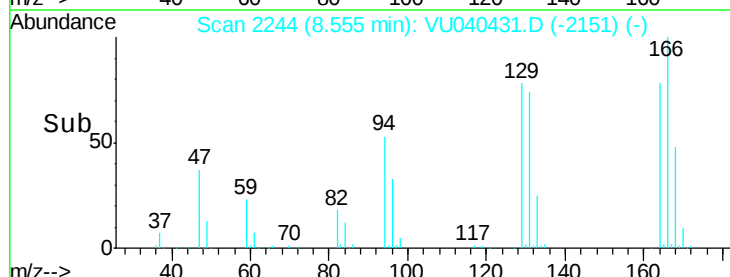
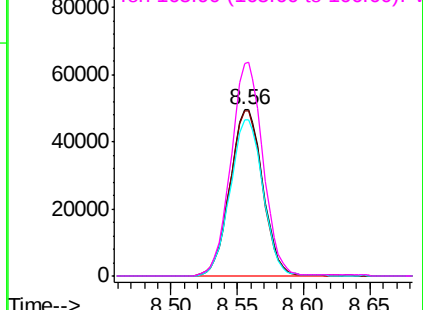
Abundance

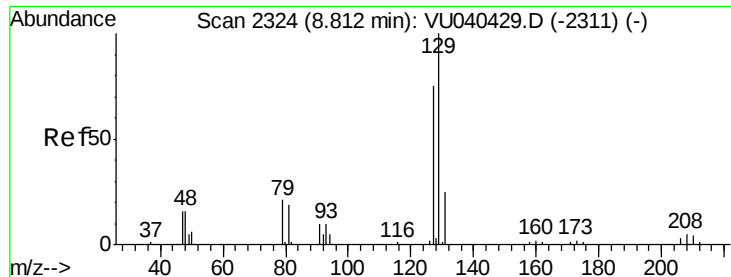
Ion 163.90 (163.60 to 164.60): V

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: 8.856 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040431.D

Acq: 01 Oct 2020 19:55

Instrument :

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ClientSampleId :

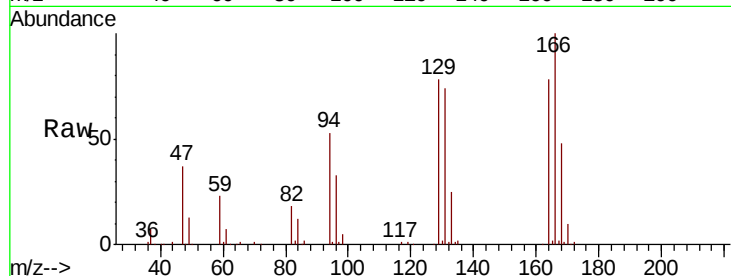
BFSB4DL2

Tot Ion:129 Resp: 82516

Ion Ratio Lower Upper

129 100

127 0.3 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

50000

40000

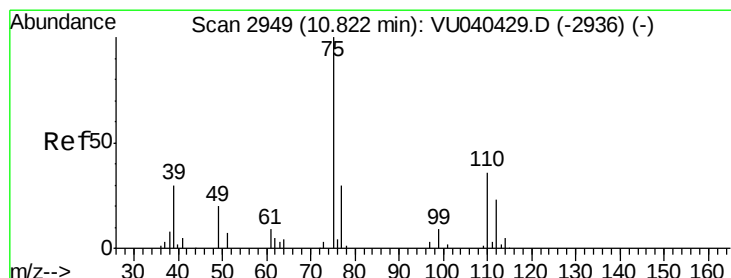
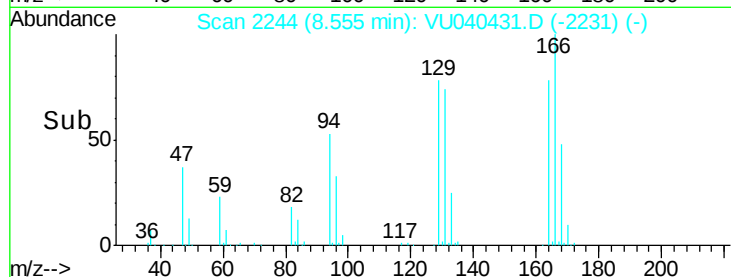
30000

20000

10000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.919 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040431.D

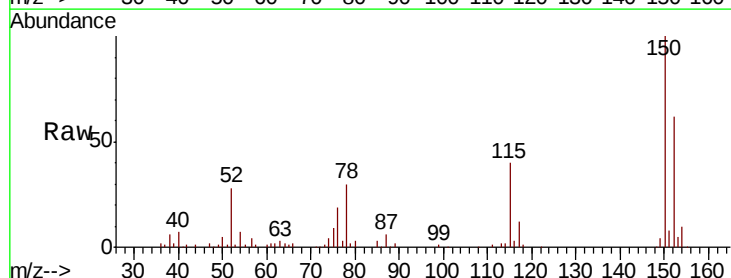
Acq: 01 Oct 2020 19:55

Tgt Ion: 75 Resp: 7609

Ion Ratio Lower Upper

75 100

77 37.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

