

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100520\
 Data File : VU040512.D
 Acq On : 05 Oct 2020 16:08
 Operator : SY/MD
 Sample : L4266-01DL2 400X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS99DL2

Quant Time: Oct 06 07:54:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 07:45:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112693	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116341	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50206	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28328	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.92	69	23670	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	44648	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.65	46	119723	43.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.40%
24) Chloroform-d	5.08	84	59108	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.72	65	39034	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.74	84	110503	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	38862	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.91	98	89613	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.19	79	15327	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.64	63	79897	38.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	34928	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	36438	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

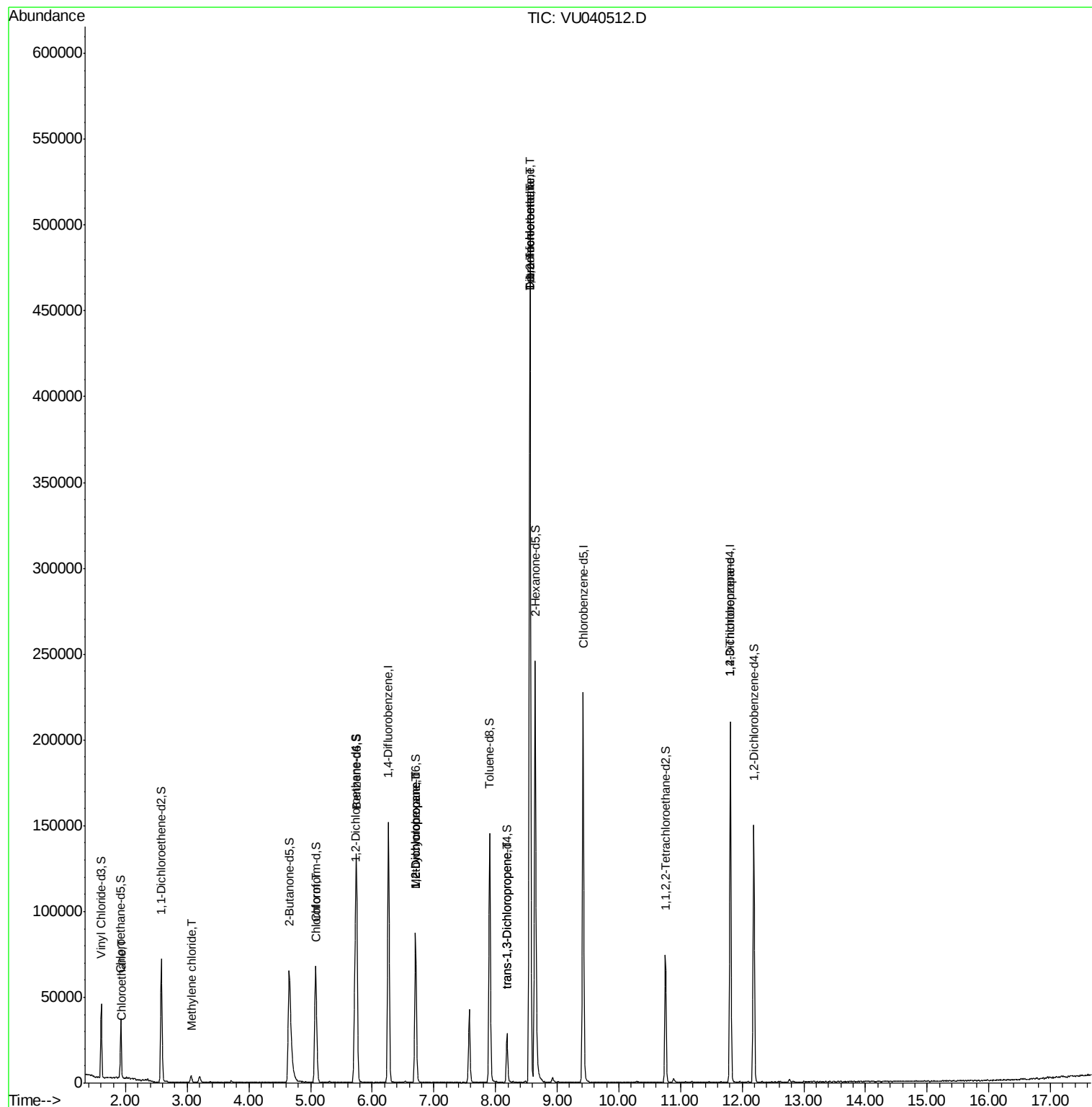
					Ovalue
8) Chloroethane	1.95	64	231	0.036 ug/L #	44
16) Methylene chloride	3.06	84	1701	0.158 ug/L	75
25) Chloroform	5.10	83	3849	0.207 ug/L	90
35) Methylcyclohexane	6.70	83	9300	0.612 ug/L #	13
37) 1,2-Dichloropropane	6.71	63	4499	0.414 ug/L #	88
44) trans-1,3-Dichloropropene	8.19	75	673	0.050 ug/L #	22
45) 1,1,2-Trichloroethane	8.56	97	823	0.108 ug/L #	1
47) Tetrachloroethene	8.56	164	103790	14.116 ug/L	98
49) Dibromochloromethane	8.56	129	101978	11.513 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7296	0.927 ug/L	92

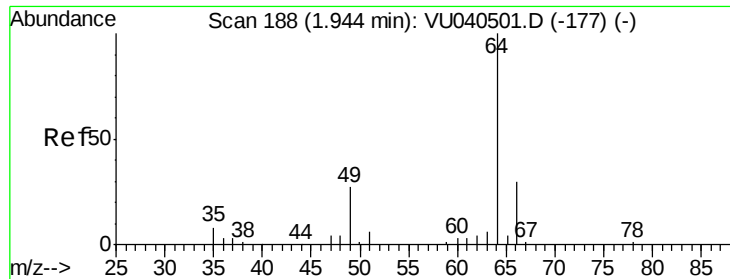
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 25.0mL/MSVOA U/WATER
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Instrument :
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Quant Time: Oct 06 07:54:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 07:45:27 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.036 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU040512.D

Acq: 05 Oct 2020 16:08

Instrument :

MSVOA_U

ClientSampleID :

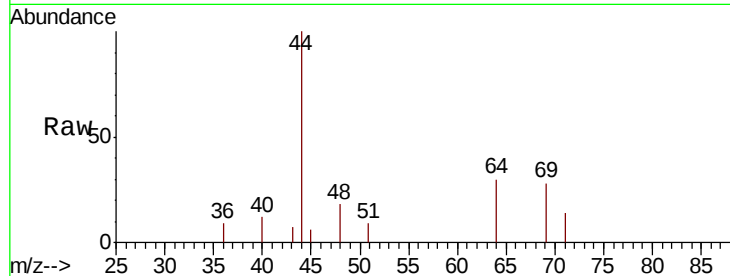
BFS99DL2

Tot Ion: 64 Resp: 231

Ion Ratio Lower Upper

64 100

66 0.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.95

600

500

400

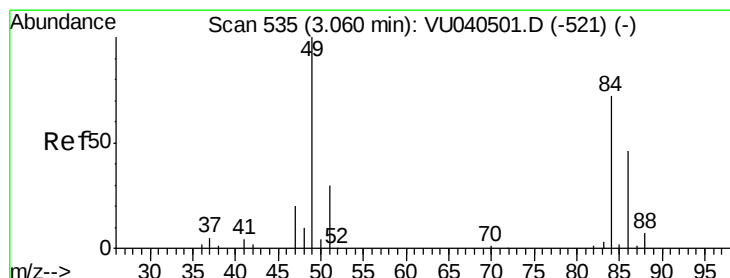
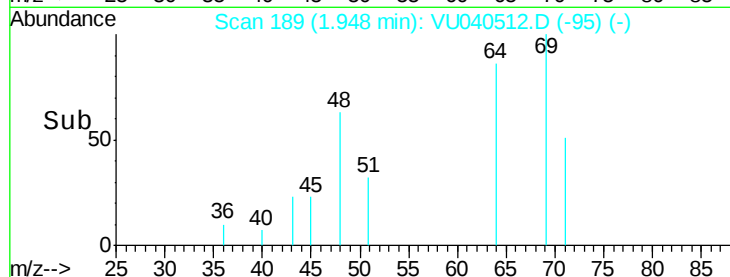
300

200

100

0

Time-->



#16

Methylene chloride

Concen: 0.158 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040512.D

Acq: 05 Oct 2020 16:08

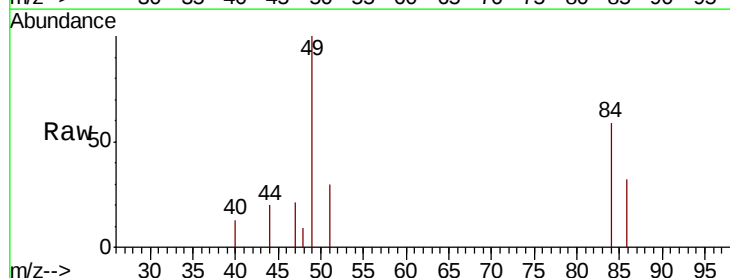
Tgt Ion: 84 Resp: 1701

Ion Ratio Lower Upper

84 100

86 54.2 44.4 82.5

49 168.9 92.2 171.2



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

2000

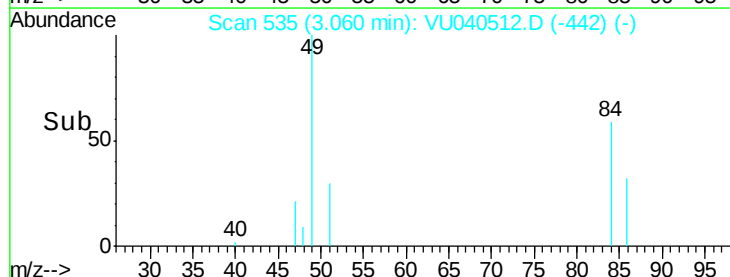
1500

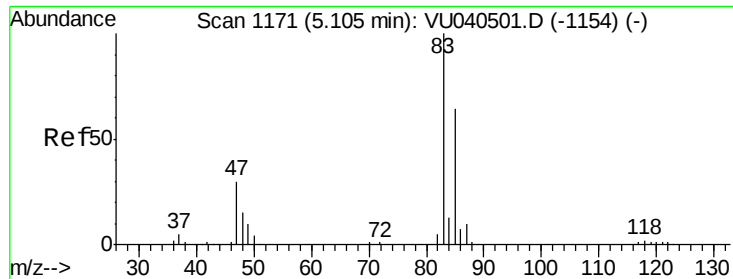
1000

500

0

Time-->

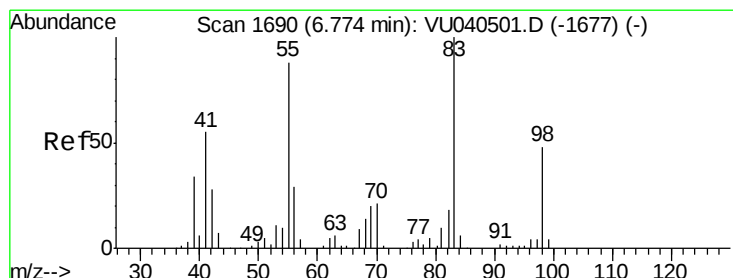
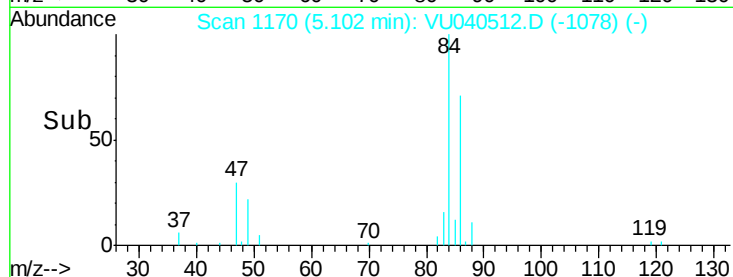
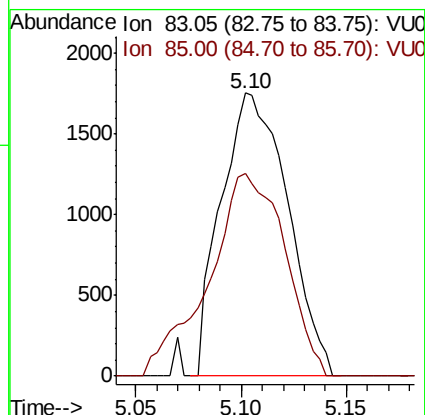
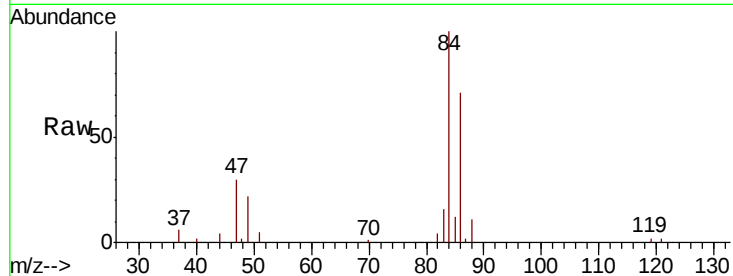




#25
Chloroform
Concen: 0.207 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040512.D
Acq: 05 Oct 2020 16:08

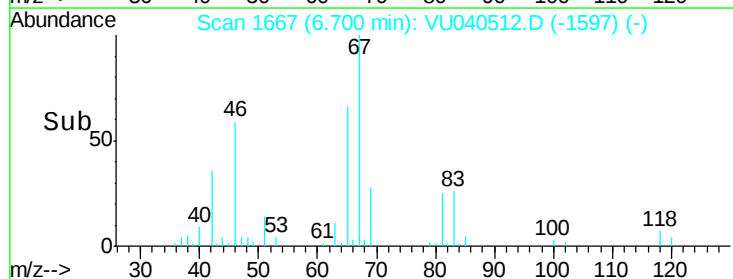
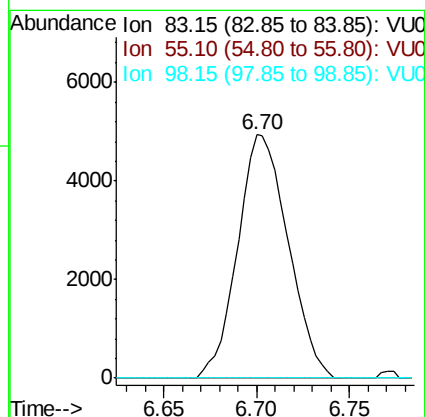
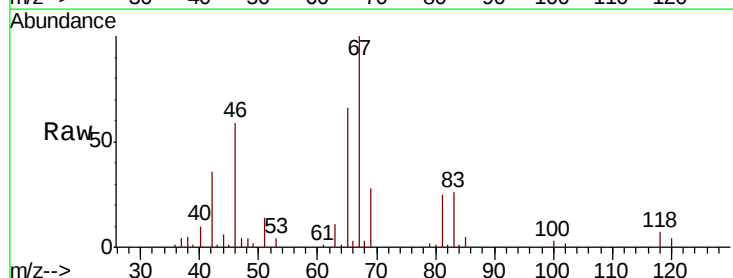
Instrument :
MSVOA_U
ClientSampleId :
BFS99DL2

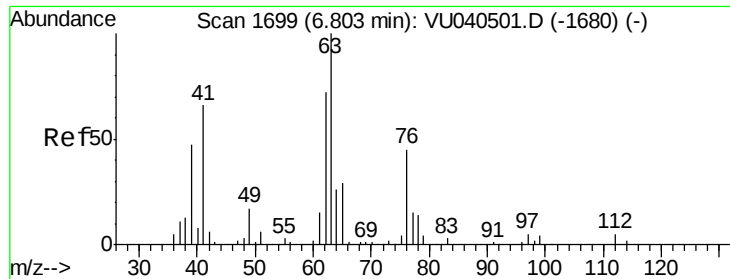
Tot Ion: 83 Resp: 3849
Ion Ratio Lower Upper
83 100
85 71.6 44.6 82.8



#35
Methylcyclohexane
Concen: 0.612 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040512.D
Acq: 05 Oct 2020 16:08

Tgt Ion: 83 Resp: 9300
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.2 38.5 57.7#

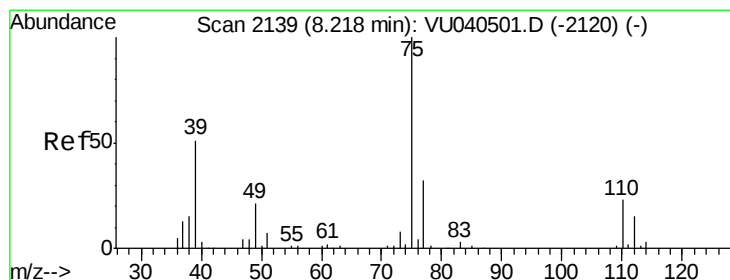
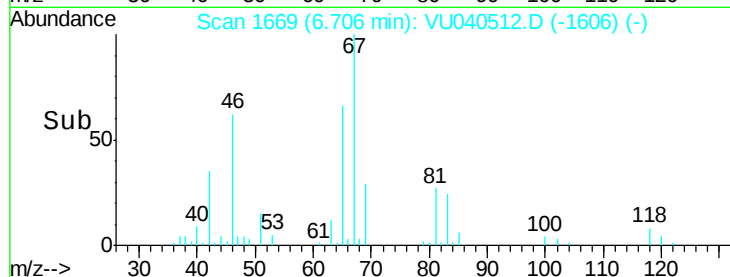
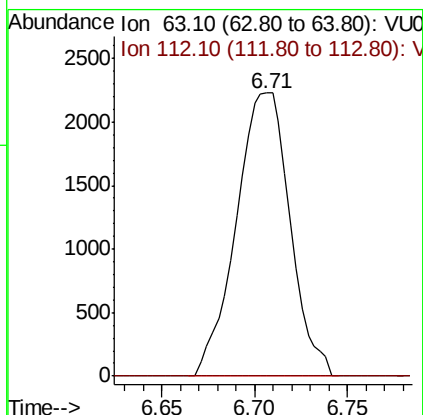
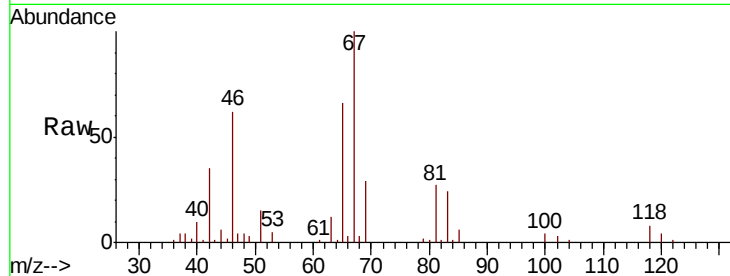




#37
 1,2-Dichloropropane
 Concen: 0.414 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU040512.D
 Acq: 05 Oct 2020 16:08

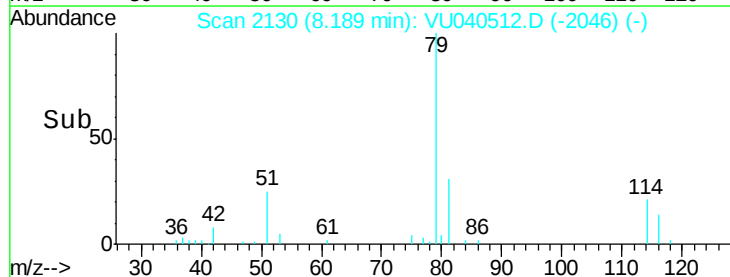
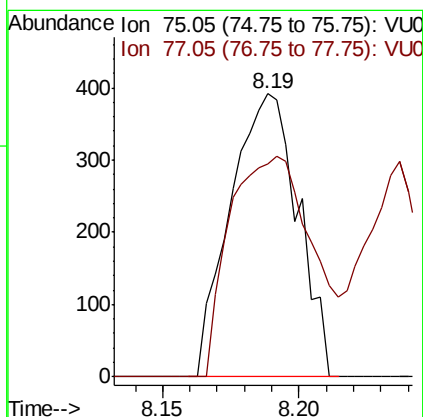
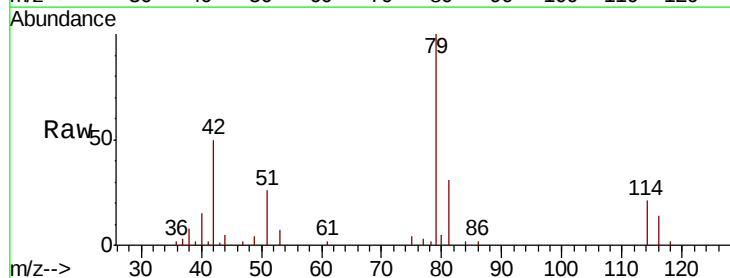
Instrument :
 MSVOA_U
 ClientSampleId :
 BFS99DL2

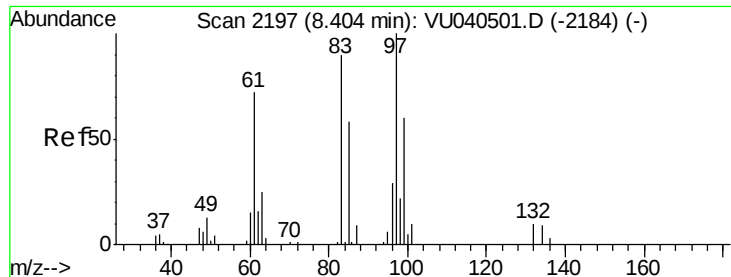
Tot Ion: 63 Resp: 4499
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.050 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040512.D
 Acq: 05 Oct 2020 16:08

Tgt Ion: 75 Resp: 673
 Ion Ratio Lower Upper
 75 100
 77 75.0 22.3 41.3#

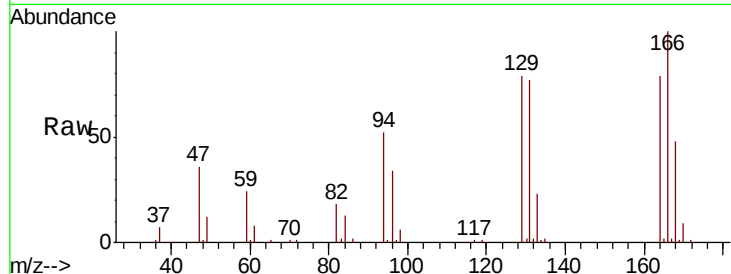




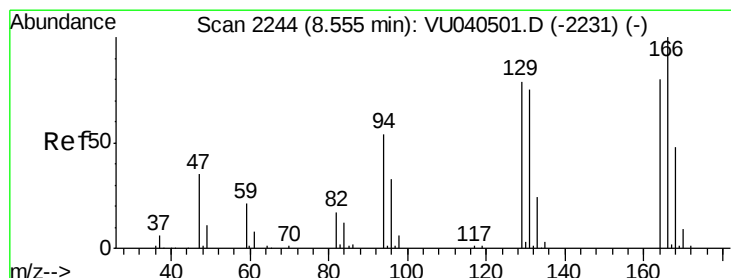
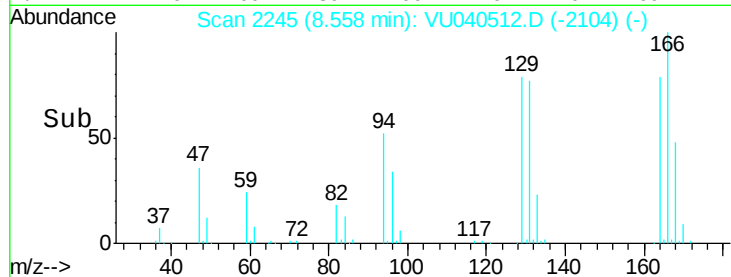
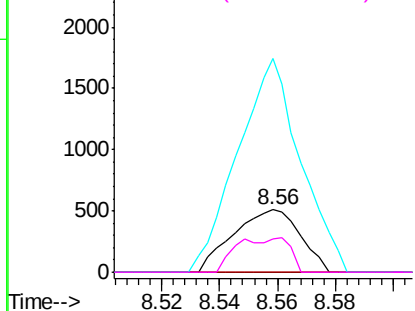
#45
1,1,2-Trichloroethane
Concen: 0.108 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.15 min
Lab File: VU040512.D
Acq: 05 Oct 2020 16:08

Instrument :
MSVOA_U
ClientSampleId :
BFS99DL2

Tot Ion: 97 Resp: 823
Ion Ratio Lower Upper
97 100
99 0.0 45.8 85.0#
83 341.3 62.9 116.9#
85 54.2 41.7 77.5

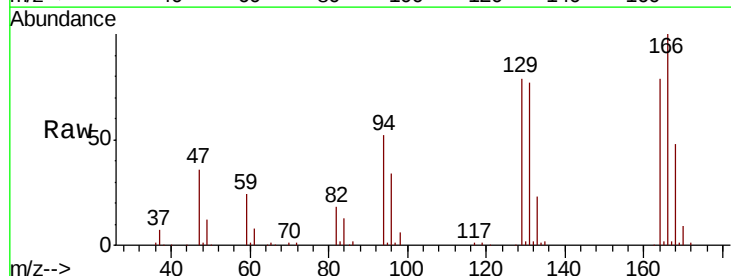


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

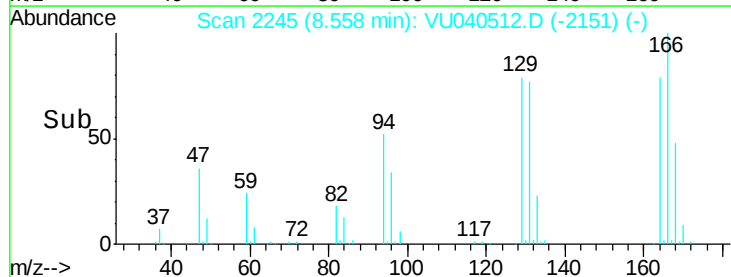
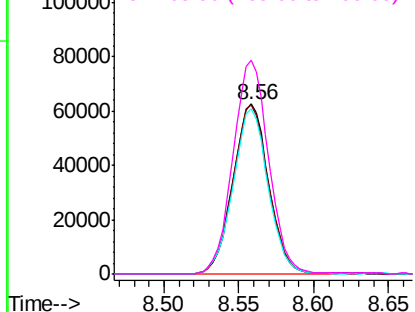


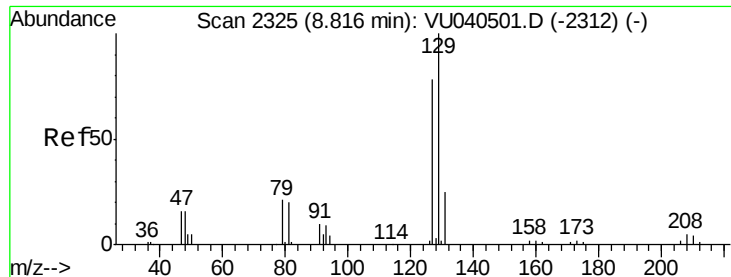
#47
Tetrachloroethene
Concen: 14.116 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040512.D
Acq: 05 Oct 2020 16:08

Tgt Ion:164 Resp: 103790
Ion Ratio Lower Upper
164 100
129 99.8 70.3 130.7
131 97.0 69.2 128.6
166 125.9 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: 11.513 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU040512.D

Acq: 05 Oct 2020 16:08

Instrument :

MSVOA_U

ClientSampleId :

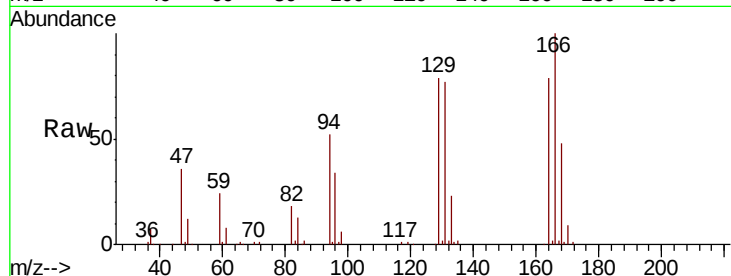
BFS99DL2

Tot Ion:129 Resp: 101978

Ion Ratio Lower Upper

129 100

127 0.2 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

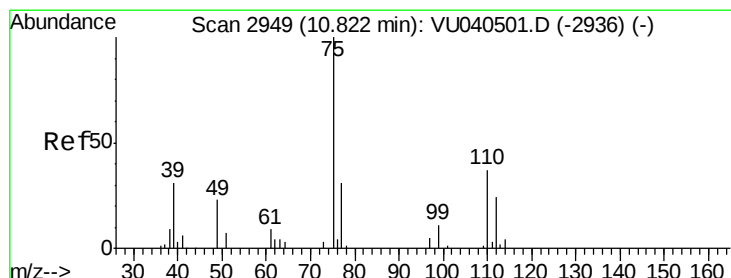
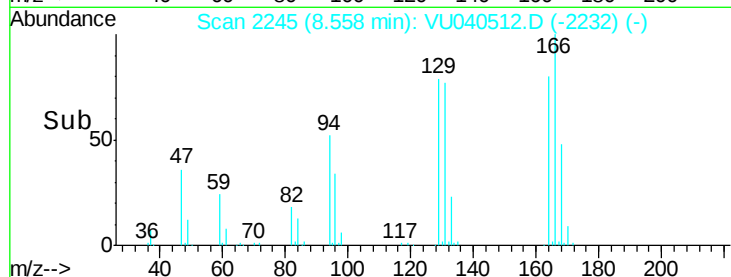
60000

40000

20000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.927 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040512.D

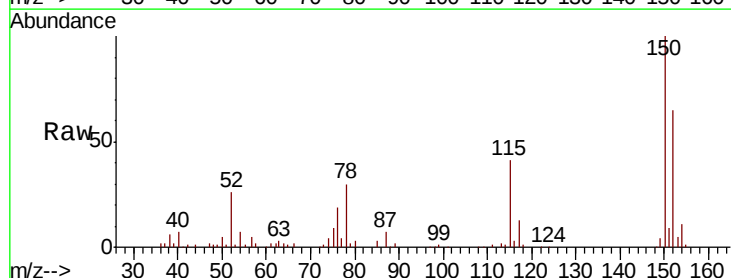
Acq: 05 Oct 2020 16:08

Tgt Ion: 75 Resp: 7296

Ion Ratio Lower Upper

75 100

77 36.4 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-->

