

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040309.D
 Acq On : 25 Sep 2020 19:00
 Operator : SY/MD
 Sample : L4147-01DL5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS6DL

Quant Time: Sep 26 06:51:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 06:44:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122494	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127446	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54312	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30804	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.92	69	30637	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	2.58	63	53887	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.66	46	159497	59.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.24%
24) Chloroform-d	5.08	84	71876	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.72	65	45887	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	135191	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.70	67	47197	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.91	98	105715	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	8.19	79	17213	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.64	63	110260	51.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	41306	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	43855	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

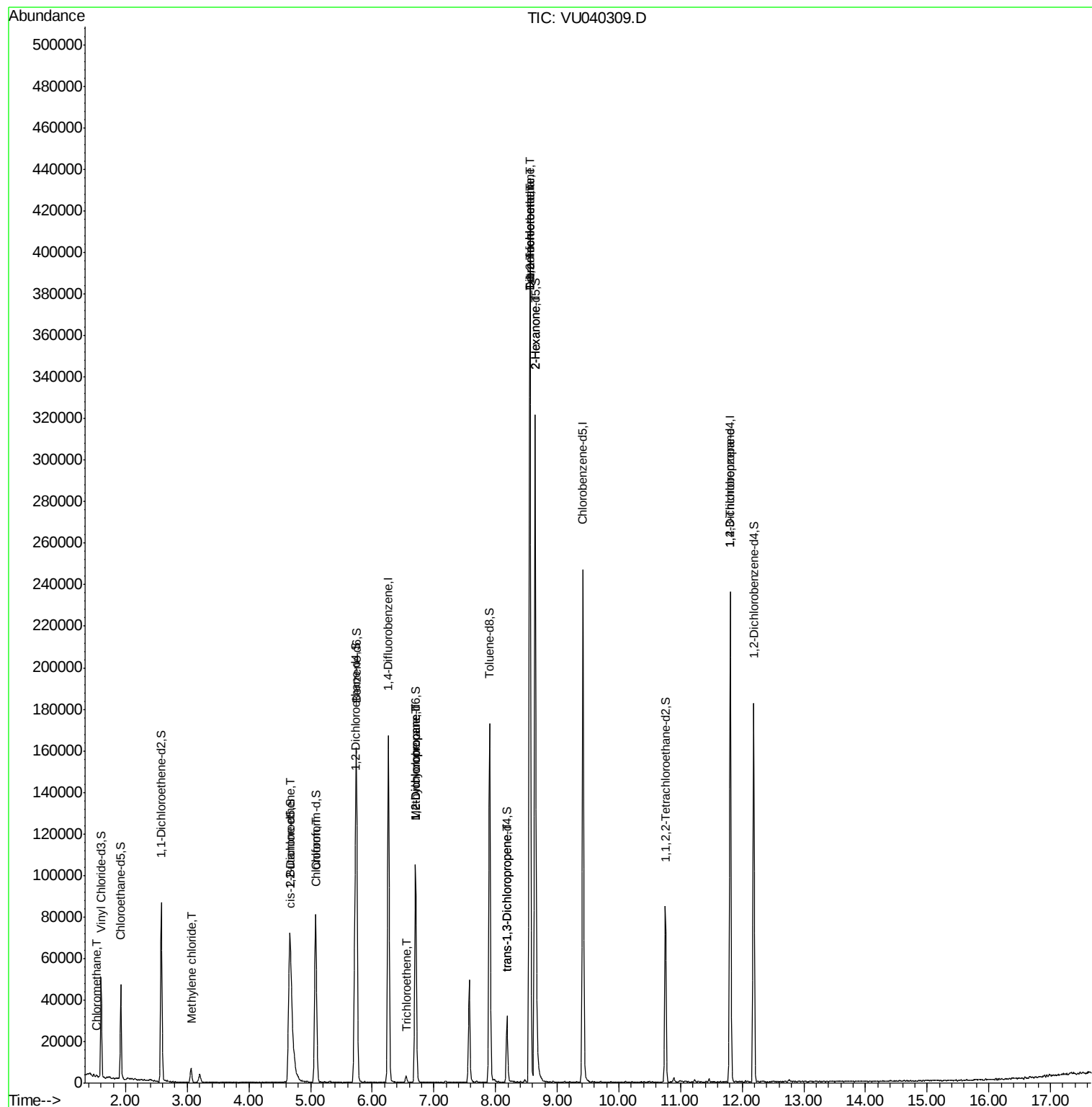
					Ovalue
3) Chloromethane	1.53	50	561	0.048	ug/L 92
16) Methylene chloride	3.06	84	3177	0.256	ug/L 94
22) cis-1,2-Dichloroethene	4.69	96	1085	0.099	ug/L 70
25) Chloroform	5.10	83	1847	0.086	ug/L 95
34) Trichloroethene	6.56	95	984	0.080	ug/L # 72
35) Methylcyclohexane	6.70	83	10901	0.582	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	5672	0.459	ug/L # 88
44) trans-1,3-Dichloropropene	8.19	75	869	0.052	ug/L 93
45) 1,1,2-Trichloroethane	8.56	97	879	0.098	ug/L # 5
47) Tetrachloroethene	8.56	164	86189	10.729	ug/L 98
48) 2-Hexanone	8.64	43	17154	2.322	ug/L # 72
49) Dibromochloromethane	8.56	129	84453	7.823	ug/L # 11
59) 1,2,3-Trichloropropane	11.81	75	7911	0.865	ug/L # 85

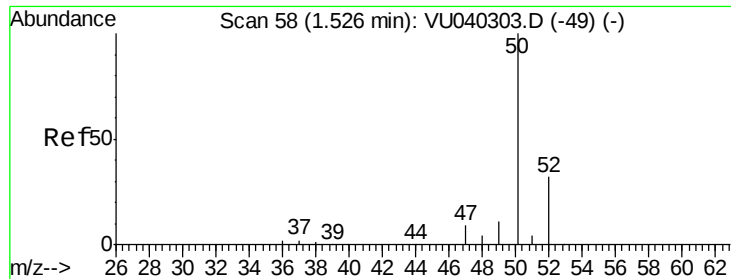
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.048 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040309.D

Acq: 25 Sep 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

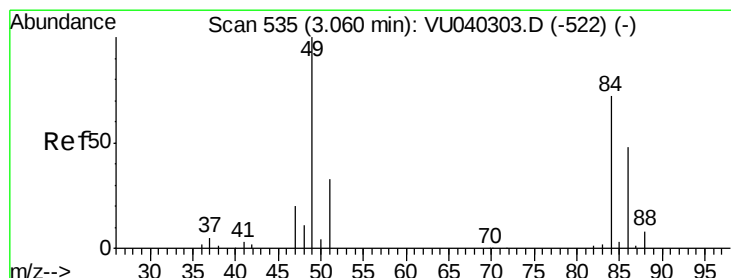
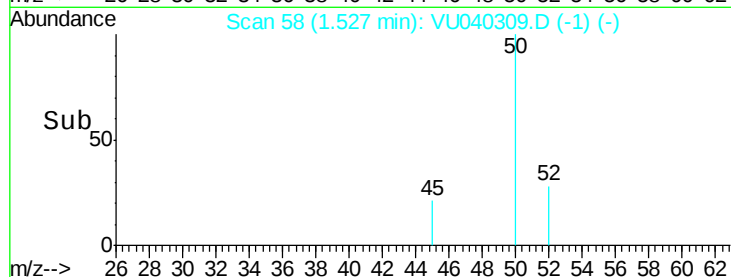
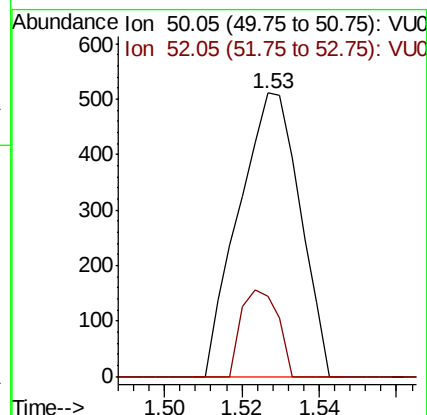
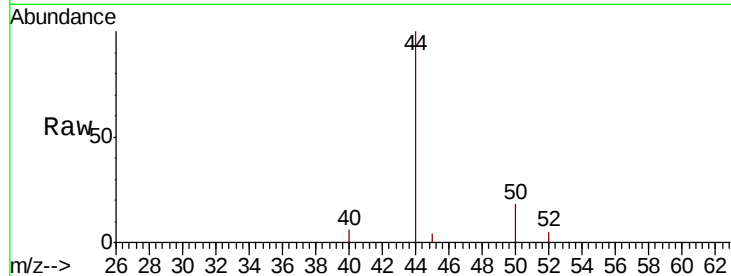
BFSA6DL

Tot Ion: 50 Resp: 561

Ion Ratio Lower Upper

50 100

52 28.2 22.8 42.4



#16

Methylene chloride

Concen: 0.256 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040309.D

Acq: 25 Sep 2020 19:00

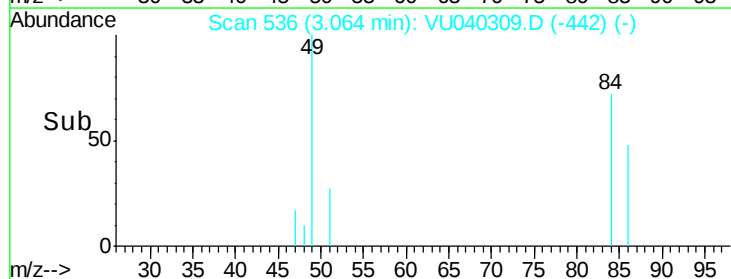
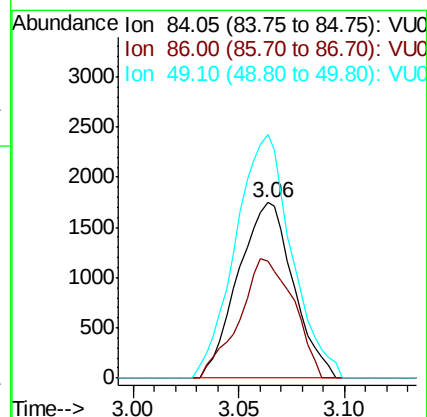
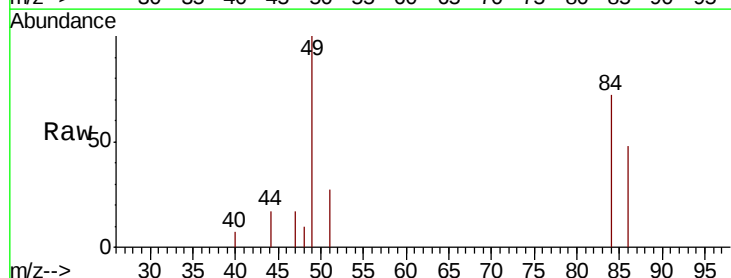
Tgt Ion: 84 Resp: 3177

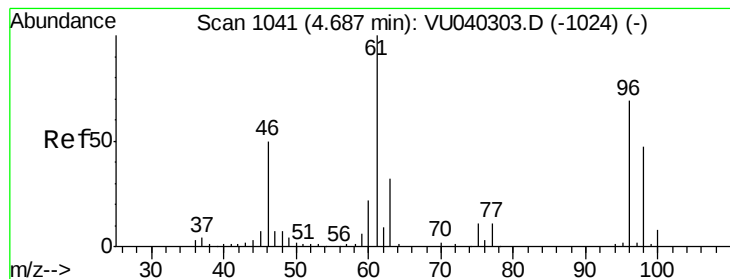
Ion Ratio Lower Upper

84 100

86 66.4 45.2 84.0

49 138.6 104.0 193.2





#22

cis-1,2-Dichloroethene

Concen: 0.099 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040309.D

Acq: 25 Sep 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

BFSA6DL

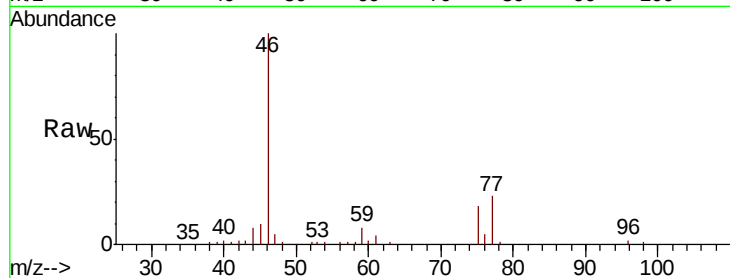
Tot Ion: 96 Resp: 1085

Ion Ratio Lower Upper

96 100

61 178.0 98.8 183.4

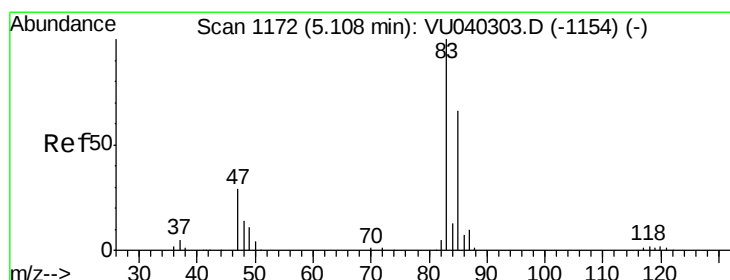
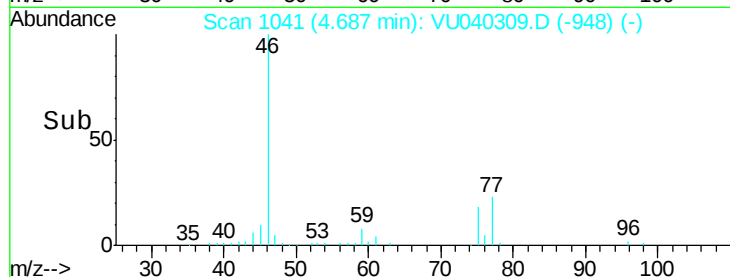
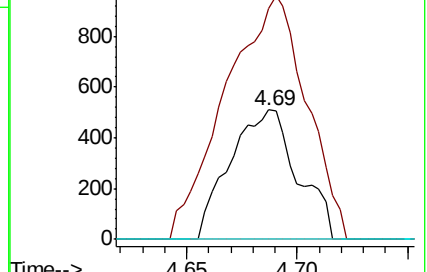
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040309.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040309.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040309.D (-948) (-)



#25

Chloroform

Concen: 0.086 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU040309.D

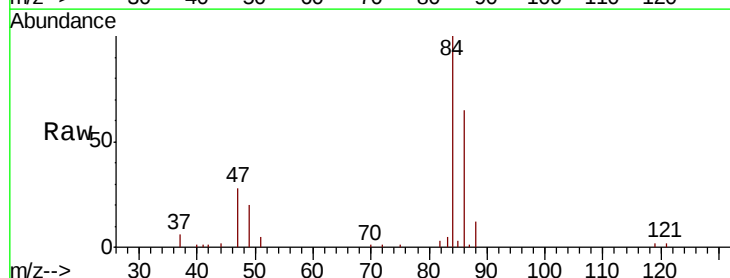
Acq: 25 Sep 2020 19:00

Tgt Ion: 83 Resp: 1847

Ion Ratio Lower Upper

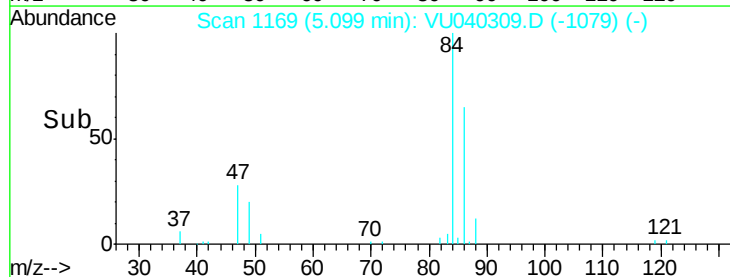
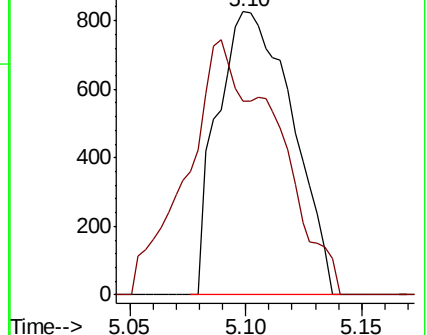
83 100

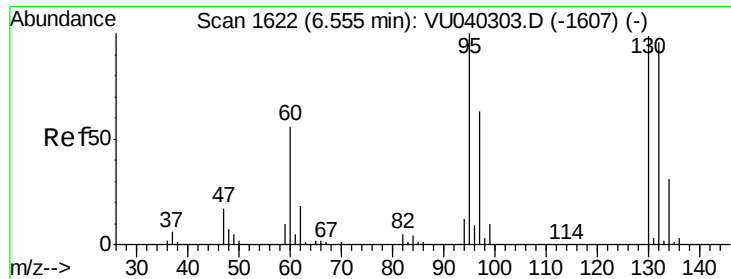
85 68.6 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU040309.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU040309.D (-1079) (-)

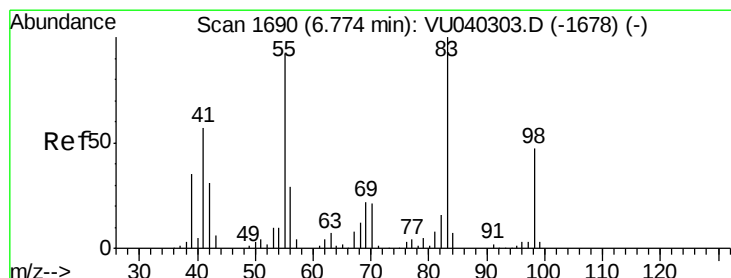
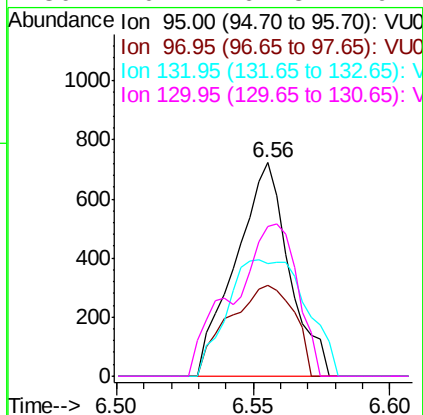
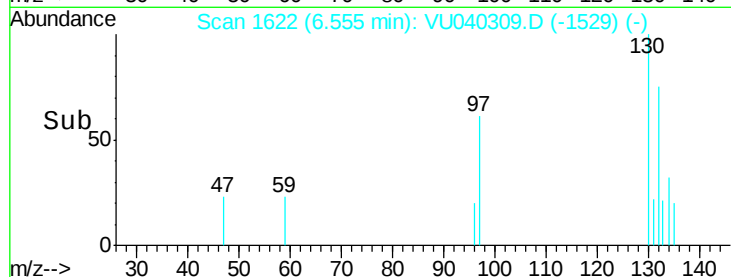
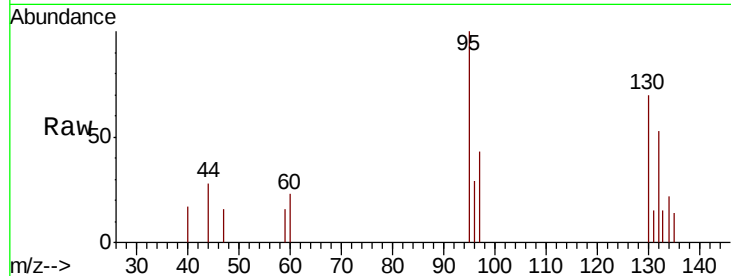




#34
 Trichloroethene
 Concen: 0.080 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040309.D
 Acq: 25 Sep 2020 19:00

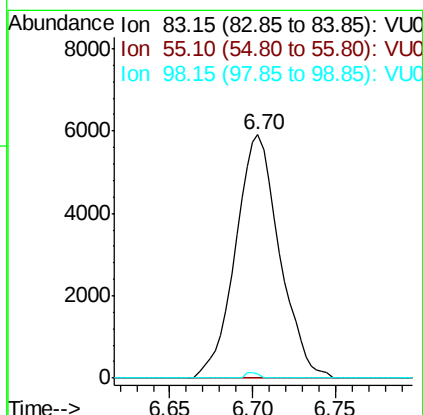
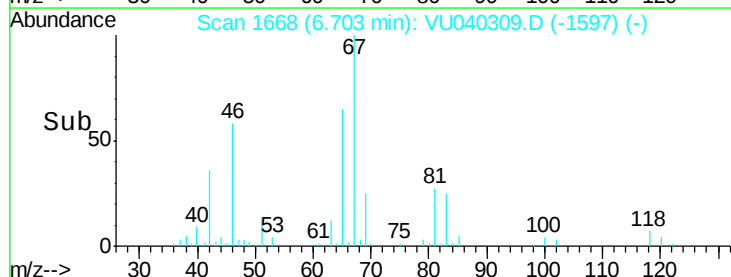
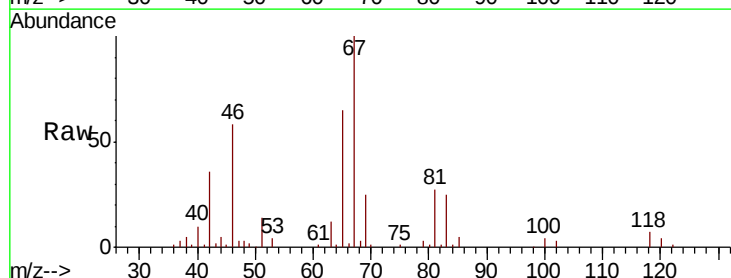
Instrument :
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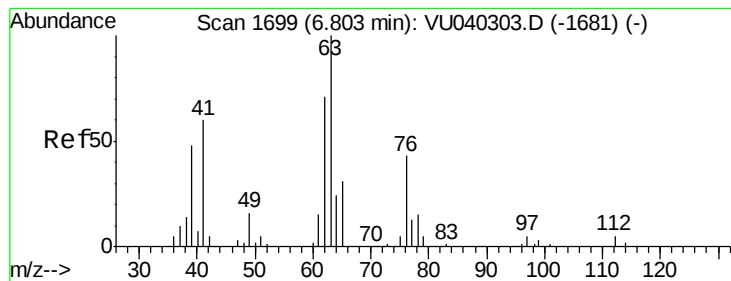
Tot Ion: 95 Resp: 984
 Ion Ratio Lower Upper
 95 100
 97 42.7 43.3 80.5#
 132 52.8 59.4 110.4#
 130 70.1 64.8 120.4



#35
 Methylcyclohexane
 Concen: 0.582 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040309.D
 Acq: 25 Sep 2020 19:00

Tgt Ion: 83 Resp: 10901
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.5 105.7#
 98 0.6 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.459 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040309.D

Acq: 25 Sep 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

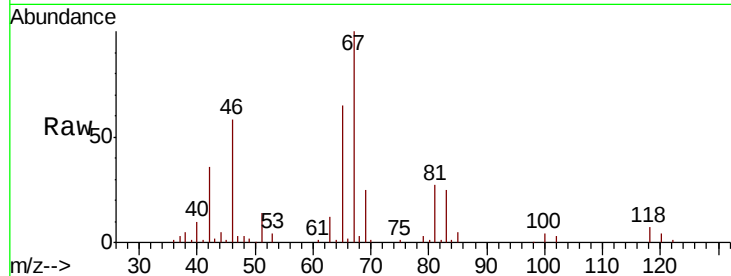
BFSA6DL

Tot Ion: 63 Resp: 5672

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040303.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040303.D (-1681) (-)

6.70

3000

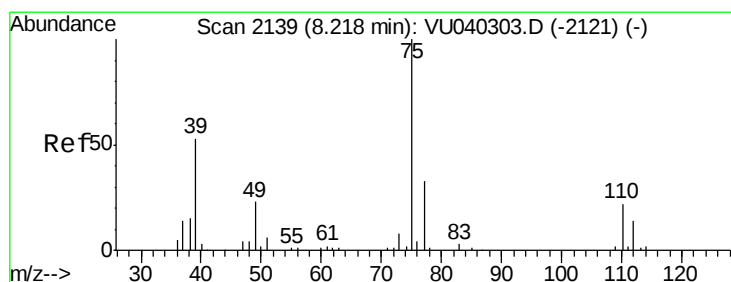
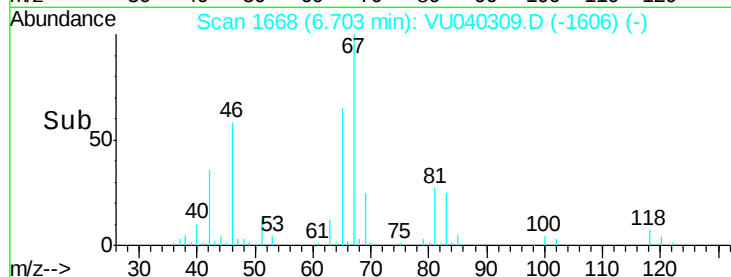
2000

1000

0

6.65 6.70 6.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.052 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040309.D

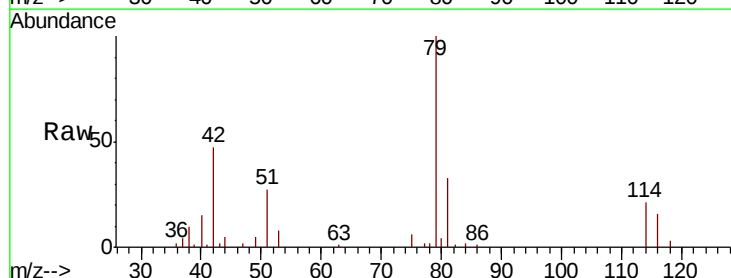
Acq: 25 Sep 2020 19:00

Tgt Ion: 75 Resp: 869

Ion Ratio Lower Upper

75 100

77 37.9 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040303.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040303.D (-2121) (-)

8.19

600

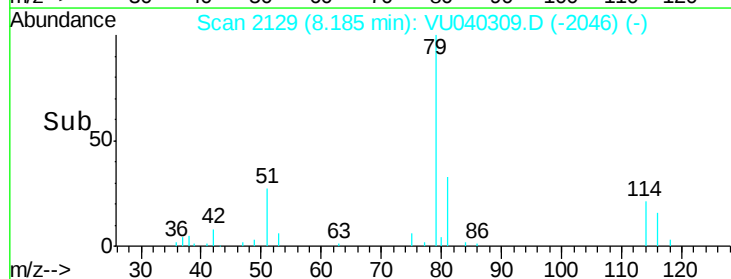
400

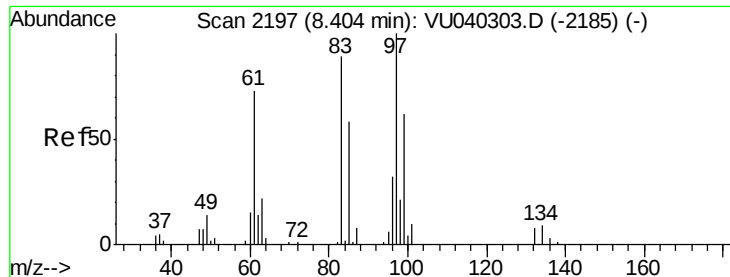
200

0

8.14 8.16 8.18 8.20 8.22

Time-->

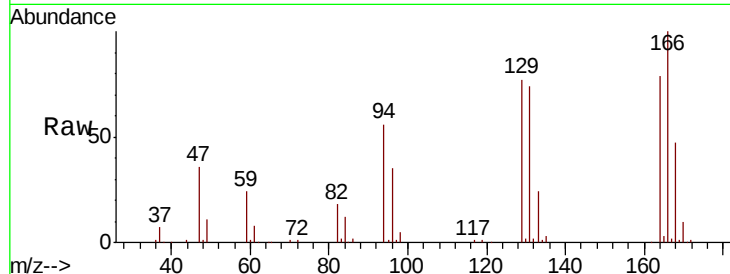




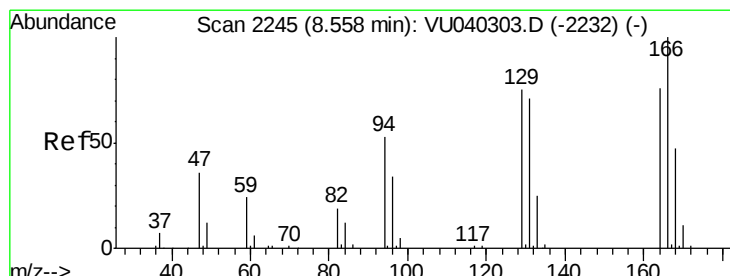
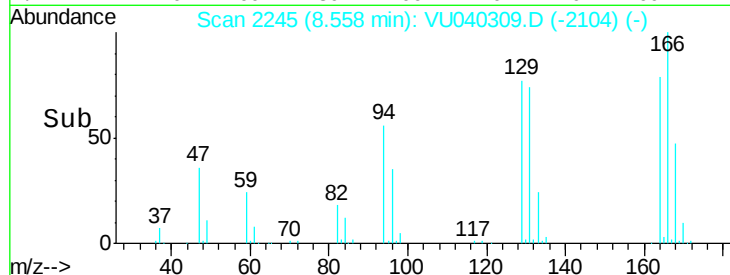
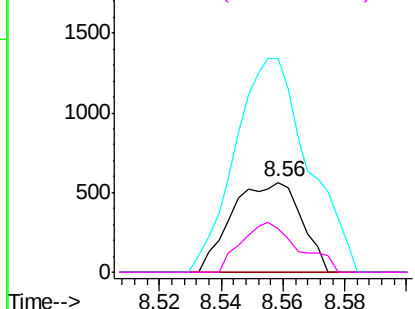
#45
 1,1,2-Trichloroethane
 Concen: 0.098 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.15 min
 Lab File: VU040309.D
 Acq: 25 Sep 2020 19:00

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS6DL

Tot Ion:	97	Resp:	879
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.0	79.8#
83	237.2	61.7	114.7#
85	49.0	39.3	73.1

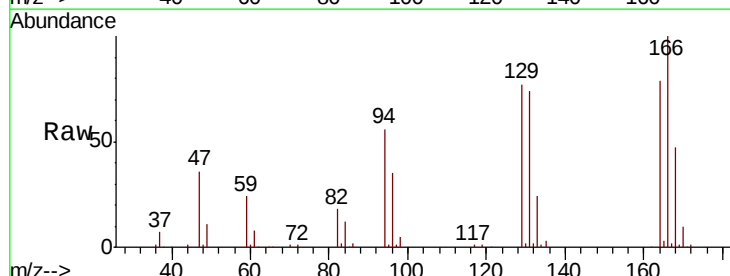


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

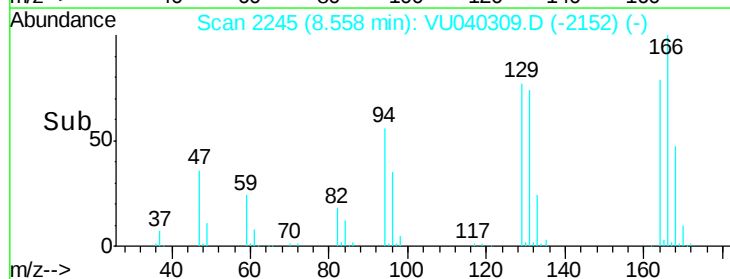
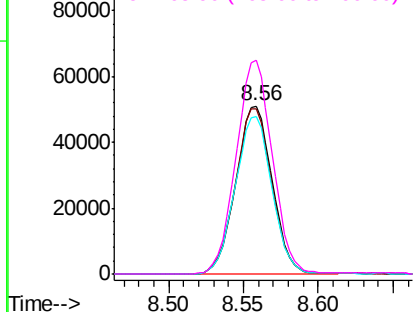


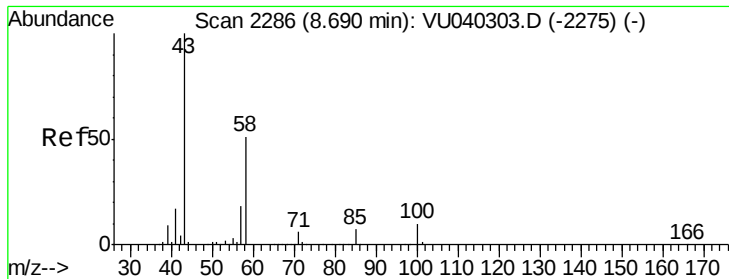
#47
 Tetrachloroethene
 Concen: 10.729 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040309.D
 Acq: 25 Sep 2020 19:00

Tgt Ion:	164	Resp:	86189
Ion	Ratio	Lower	Upper
164	100		
129	98.6	71.5	132.7
131	93.7	65.9	122.5
166	127.3	87.3	162.1



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

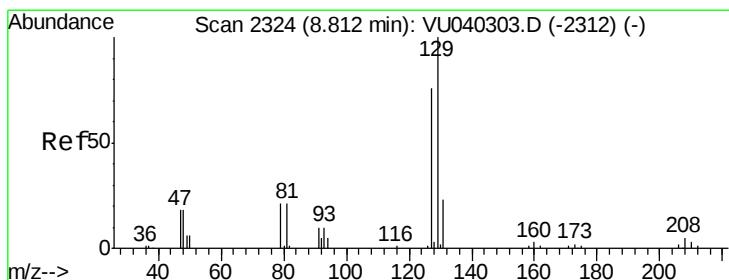
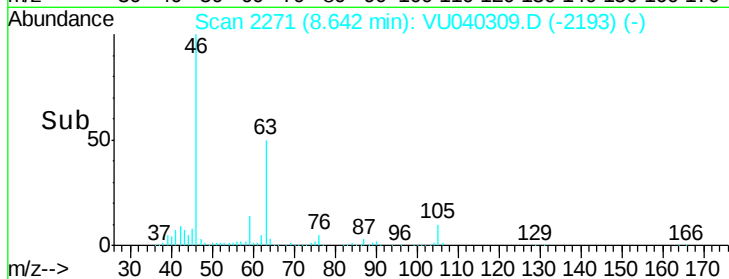
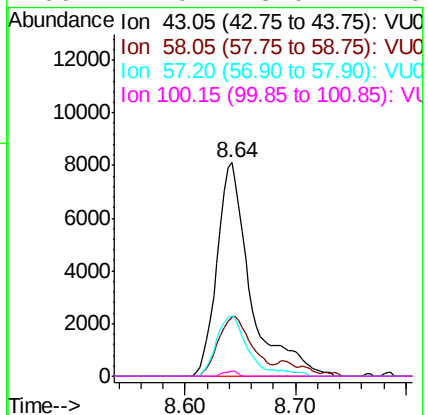
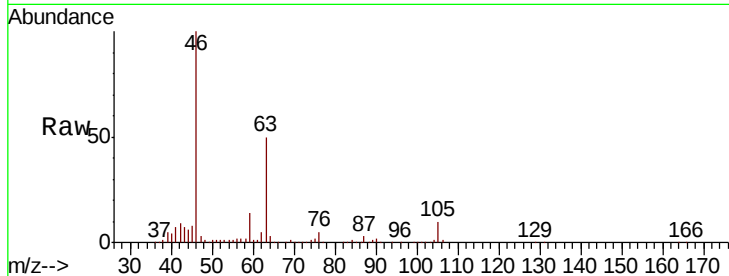




#48
2-Hexanone
Concen: 2.322 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040309.D
Acq: 25 Sep 2020 19:00

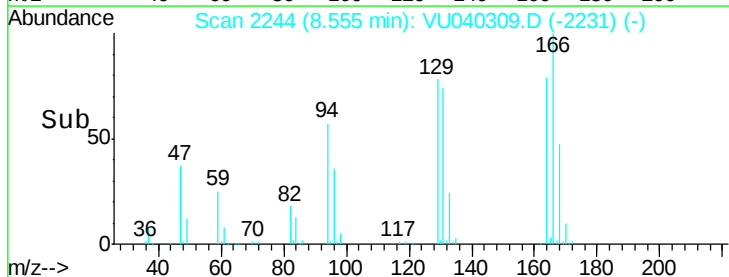
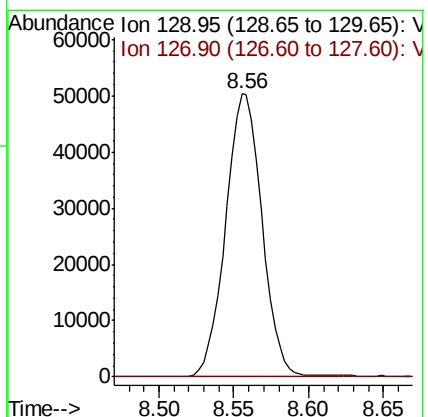
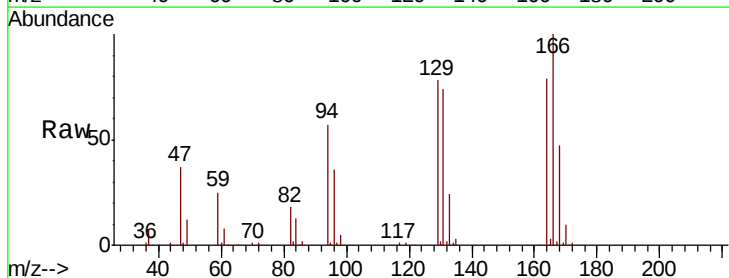
Instrument :
MSVOA_U
ClientSampleId :
BFS6DL

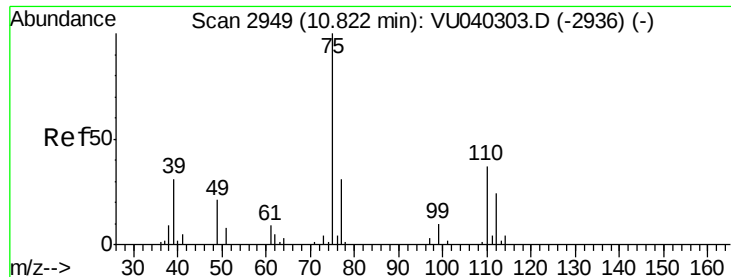
Tot Ion: 43 Resp: 17154
Ion Ratio Lower Upper
43 100
58 27.6 39.6 59.4#
57 27.0 14.3 21.5#
100 1.0 8.0 12.0#



#49
Dibromochloromethane
Concen: 7.823 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040309.D
Acq: 25 Sep 2020 19:00

Tgt Ion: 129 Resp: 84453
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#





#59

1,2,3-Trichloropropane

Concen: 0.865 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040309.D

Acq: 25 Sep 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

BFSA6DL

Tot Ion: 75 Resp: 7911

Ion Ratio Lower Upper

75 100

77 39.4 24.9 37.3#

