

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041924.D
 Acq On : 11 Jan 2021 16:43
 Operator : SY/MD
 Sample : M1026-09DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL2DL

Quant Time: Jan 12 03:27:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127235	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117925	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51970	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47849	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.92	69	45816	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.58	63	69894	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.66	46	150628	50.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.08%
24) Chloroform-d	5.08	84	84420	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.72	65	52028	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	177221	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.70	67	52987	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.90	98	137942	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.18	79	20733	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.64	63	122602	53.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47349	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	50132	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

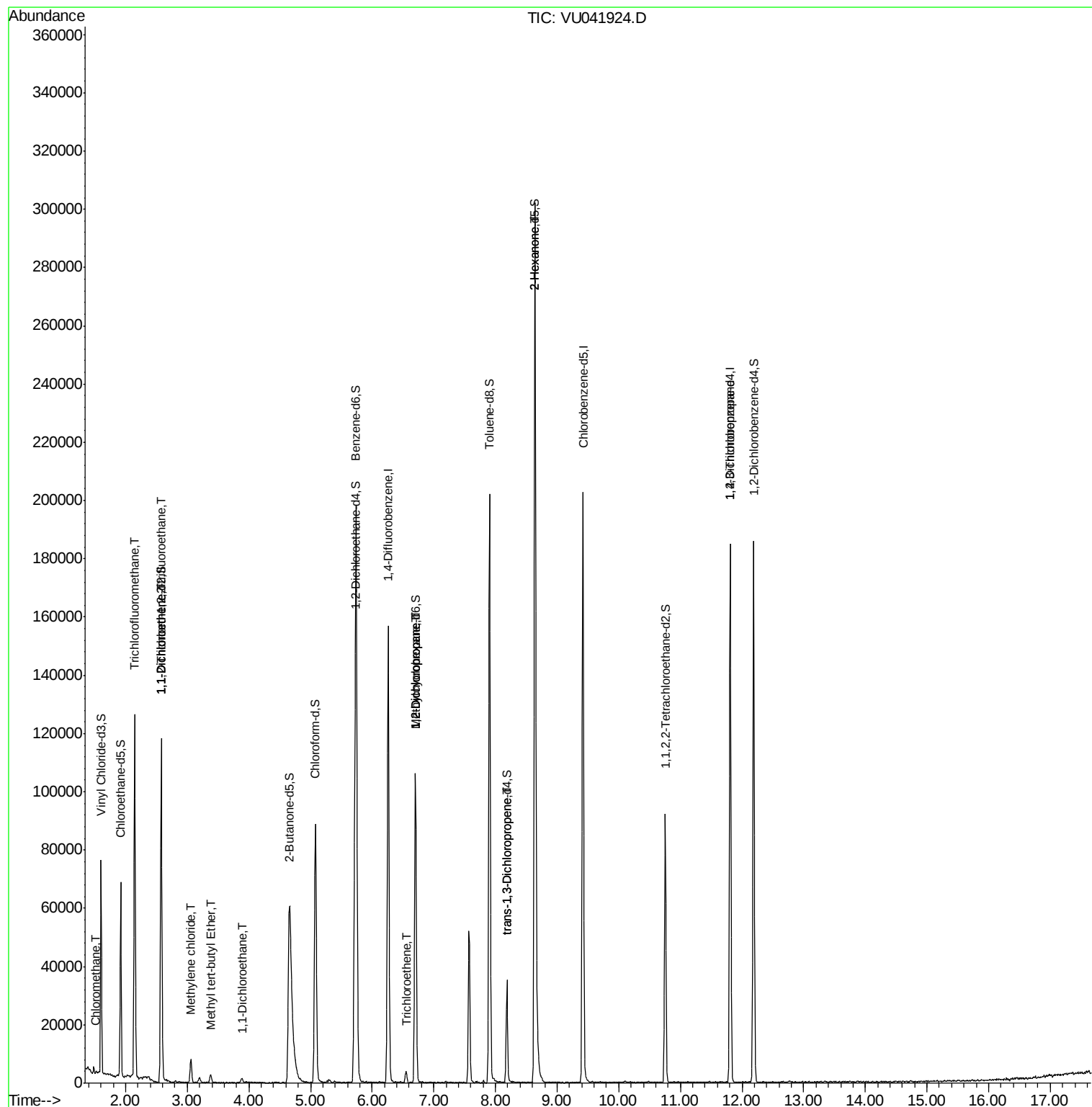
					Ovalue
3) Chloromethane	1.52	50	817	0.061 ug/L	98
9) Trichlorofluoromethane	2.15	101	79984	4.265 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2339	0.229 ug/L #	58
12) 1,1-Dichloroethene	2.57	96	743	0.075 ug/L #	1
16) Methylene chloride	3.06	84	4222	0.338 ug/L	89
17) Methyl tert-butyl Ether	3.38	73	3299	0.138 ug/L #	89
19) 1,1-Dichloroethane	3.88	63	2238	0.124 ug/L	88
34) Trichloroethene	6.56	95	1410	0.141 ug/L	94
35) Methylcyclohexane	6.70	83	12350	0.842 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5196	0.548 ug/L #	88
44) trans-1,3-Dichloropropene	8.19	75	873	0.071 ug/L	86
48) 2-Hexanone	8.64	43	14786	3.334 ug/L #	66
59) 1,2,3-Trichloropropane	11.81	75	5653	0.817 ug/L	98

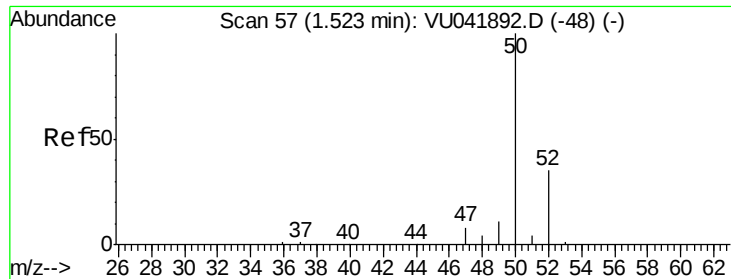
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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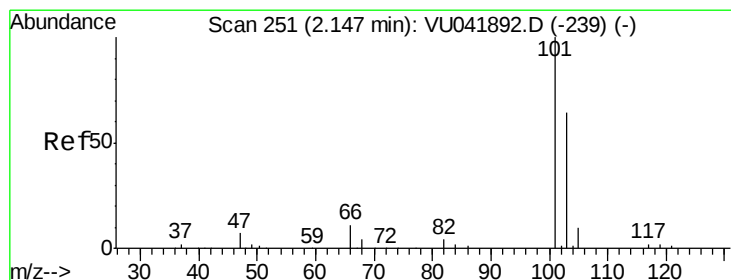
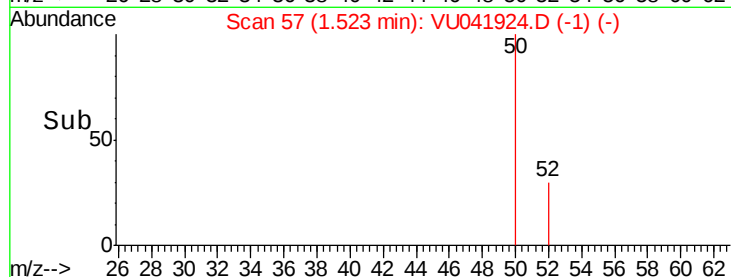
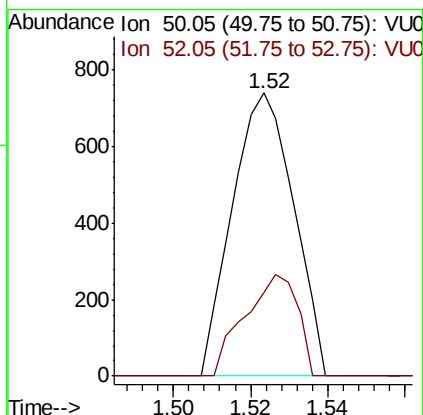
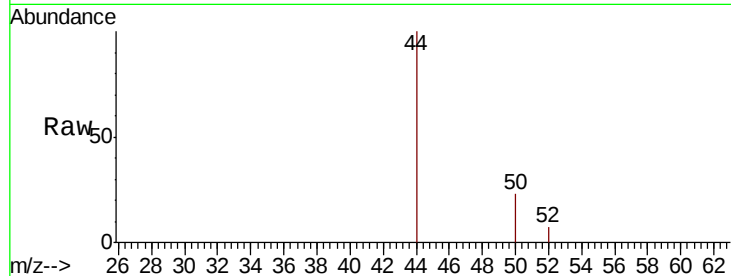




#3
Chloromethane
Concen: 0.061 ug/L
RT: 1.52 min Scan# 57
Delta R.T. -0.00 min
Lab File: VU041924.D
Acq: 11 Jan 2021 16:43

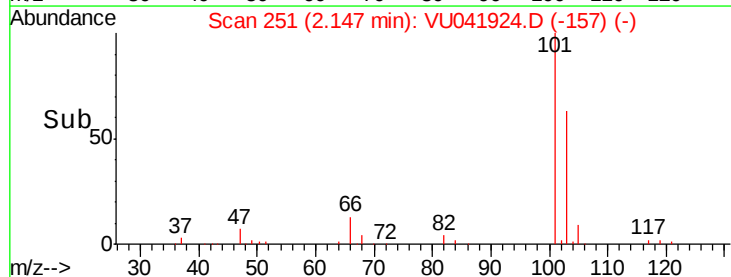
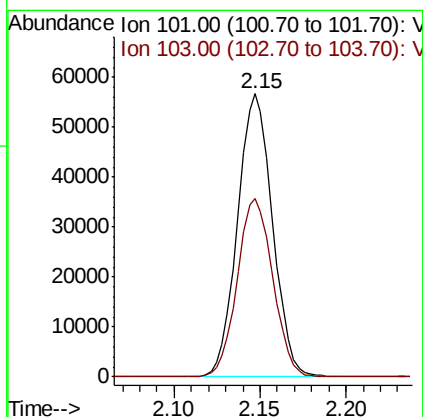
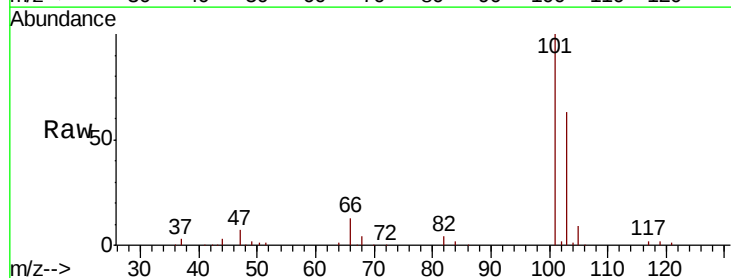
Instrument :
MSVOA_U
ClientSampleId :
BFXL2DL

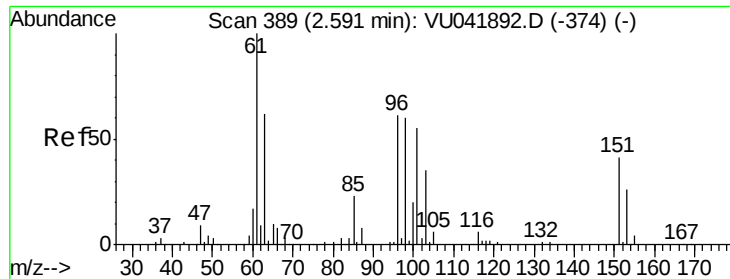
Tot Ion: 50 Resp: 817
Ion Ratio Lower Upper
50 100
52 29.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.265 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041924.D
Acq: 11 Jan 2021 16:43

Tgt Ion:101 Resp: 79984
Ion Ratio Lower Upper
101 100
103 64.0 51.3 76.9





#10

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

Concen: 0.229 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041924.D

Acq: 11 Jan 2021 16:43

Instrument :

MSVOA_U

ClientSampleId :

BFXL2DL

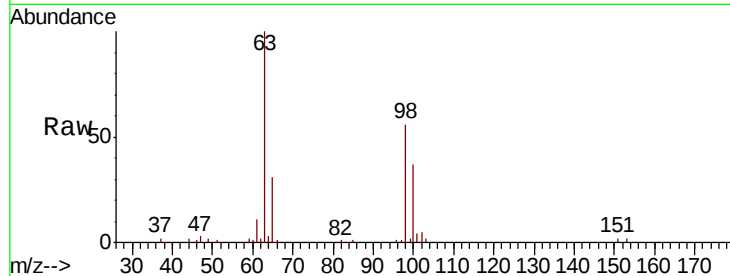
Tot Ion:101 Resp: 2339

Ion Ratio Lower Upper

101 100

85 13.3 35.1 52.7#

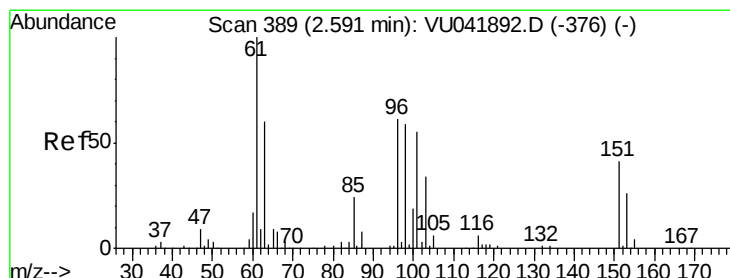
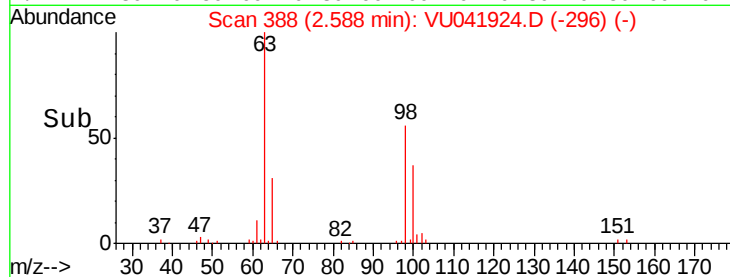
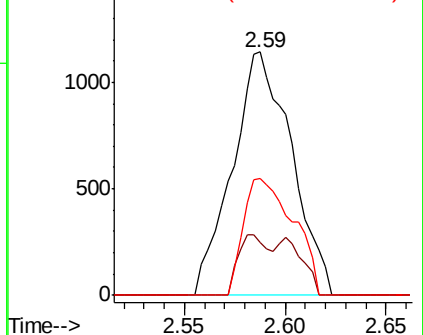
151 40.5 58.2 87.2#



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



#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU041924.D

Acq: 11 Jan 2021 16:43

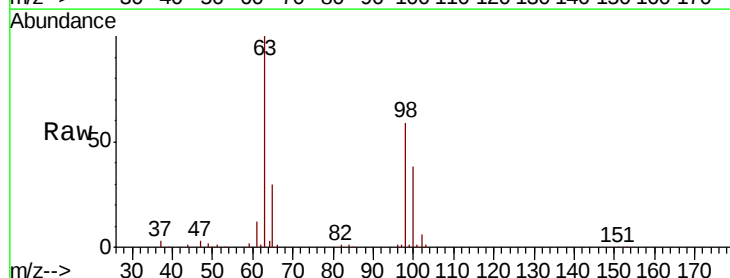
Tgt Ion: 96 Resp: 743

Ion Ratio Lower Upper

96 100

61 1170.3 123.5 229.4#

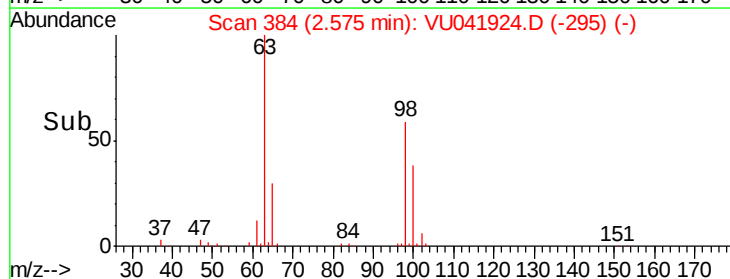
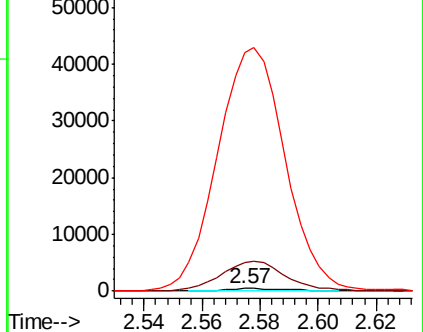
63 9618.3 93.5 173.7#

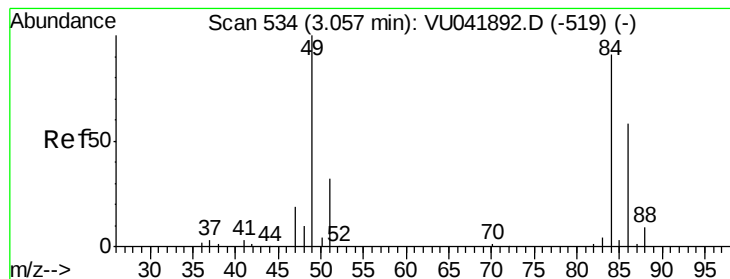


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 0.338 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041924.D

Acq: 11 Jan 2021 16:43

Instrument :

MSVOA_U

ClientSampleId :

BFXL2DL

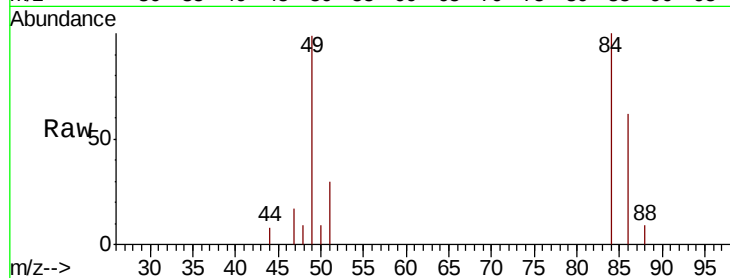
Tot Ion: 84 Resp: 4222

Ion Ratio Lower Upper

84 100

86 62.5 43.5 80.7

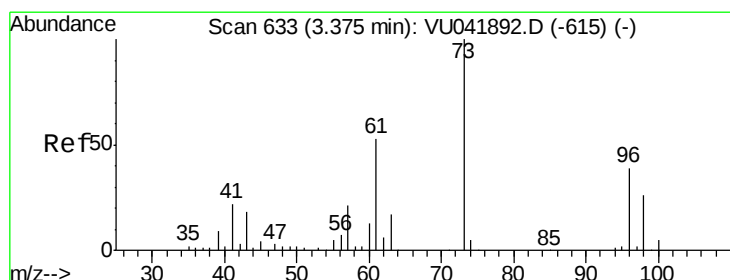
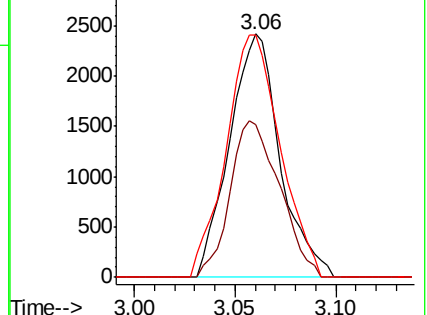
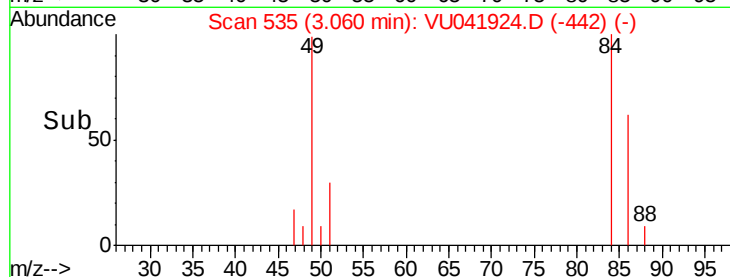
49 99.4 81.8 151.8



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



#17

Methyl tert-butyl Ether

Concen: 0.138 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU041924.D

Acq: 11 Jan 2021 16:43

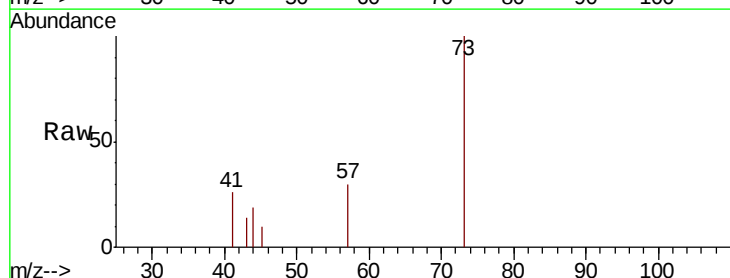
Tgt Ion: 73 Resp: 3299

Ion Ratio Lower Upper

73 100

43 10.3 15.8 23.8#

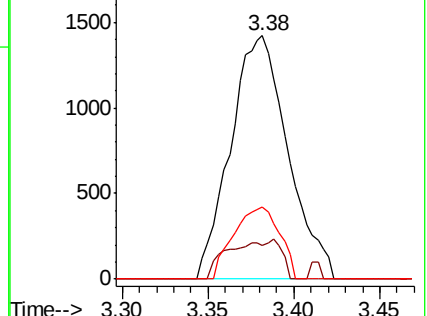
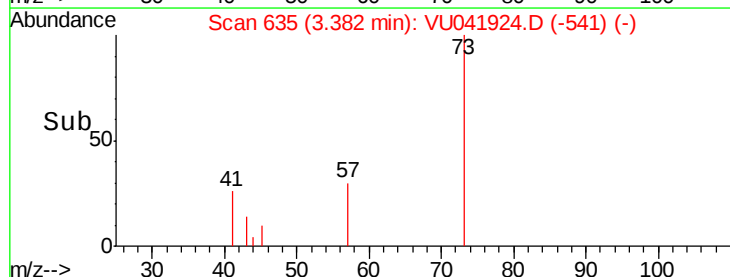
57 23.7 18.3 27.5

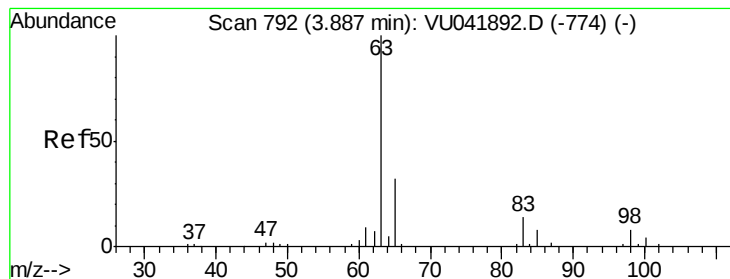


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#19

1,1-Dichloroethane

Concen: 0.124 ug/L

RT: 3.88 min Scan# 790

Delta R.T. -0.00 min

Lab File: VU041924.D

Acq: 11 Jan 2021 16:43

Instrument :

MSVOA_U

ClientSampleId :

BFXL2DL

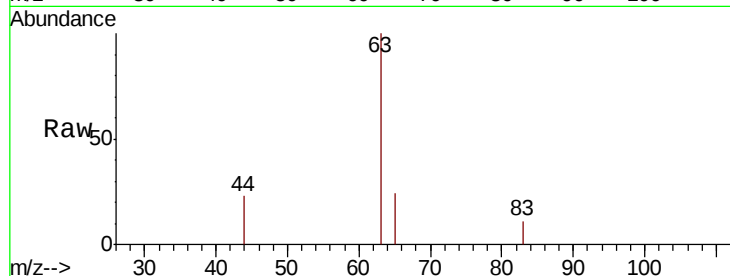
Tot Ion: 63 Resp: 2238

Ion Ratio Lower Upper

63 100

65 24.1 22.3 41.5

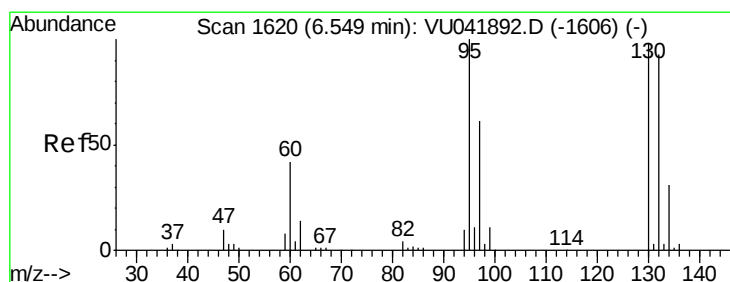
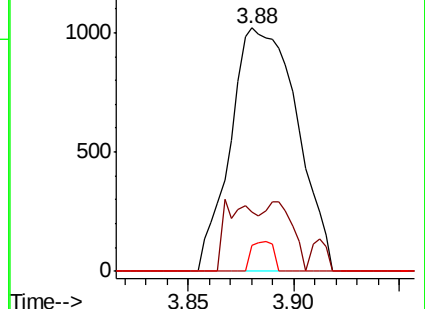
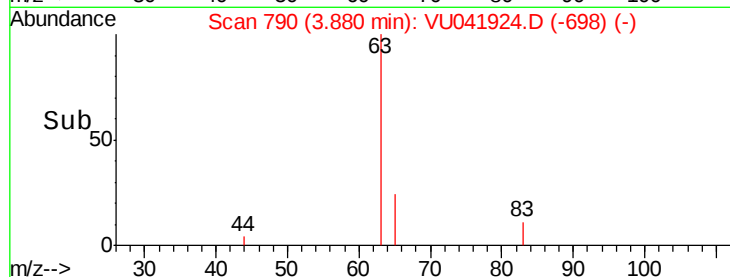
83 10.8 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU041924.D (-698) (-)

Ion 65.10 (64.80 to 65.80): VU041924.D (-698) (-)

Ion 83.05 (82.75 to 83.75): VU041924.D (-698) (-)



#34

Trichloroethene

Concen: 0.141 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041924.D

Acq: 11 Jan 2021 16:43

Tgt Ion: 95 Resp: 1410

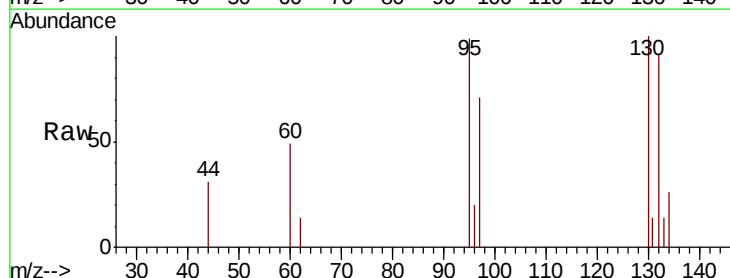
Ion Ratio Lower Upper

95 100

97 71.8 45.2 84.0

132 92.0 68.7 127.5

130 101.2 68.0 126.4

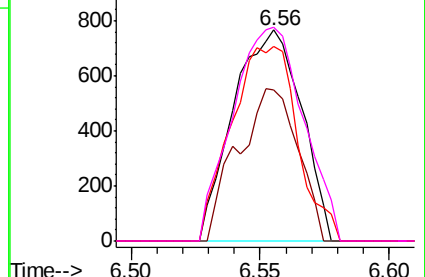
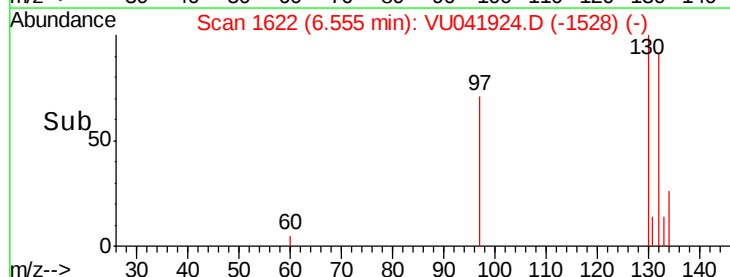


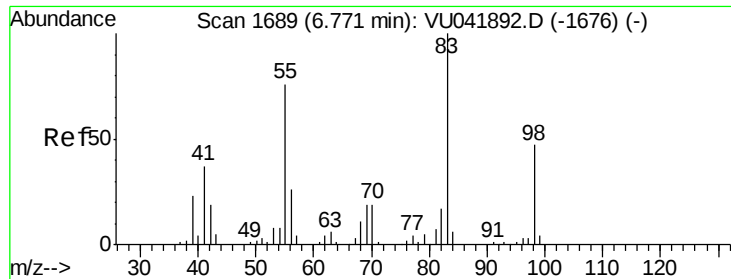
Abundance Ion 95.00 (94.70 to 95.70): VU041924.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041924.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041924.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041924.D (-1528) (-)

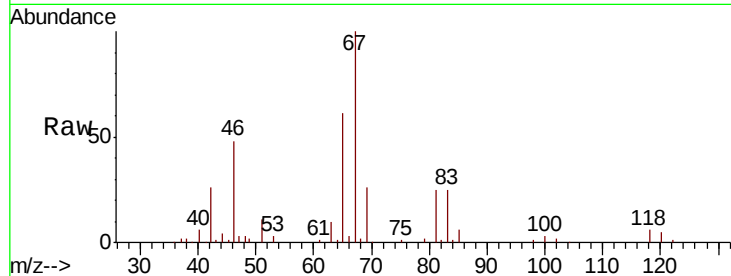




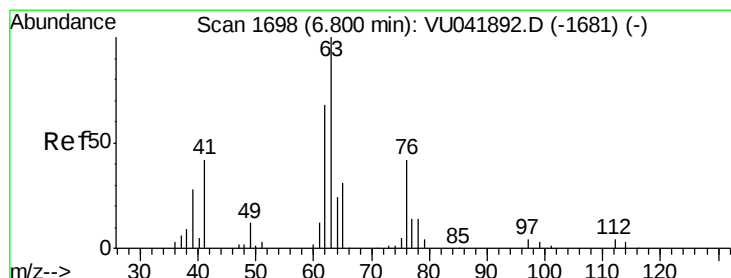
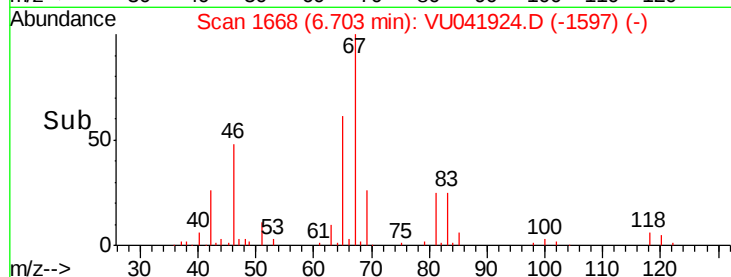
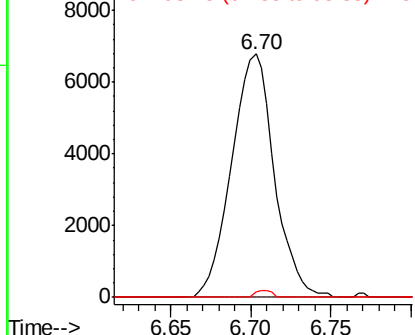
#35
Methvlcvclohexane
Concen: 0.842 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041924.D
Acq: 11 Jan 2021 16:43

Instrument :
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BFXL2DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.3	96.5#
98	1.1	36.6	54.8#

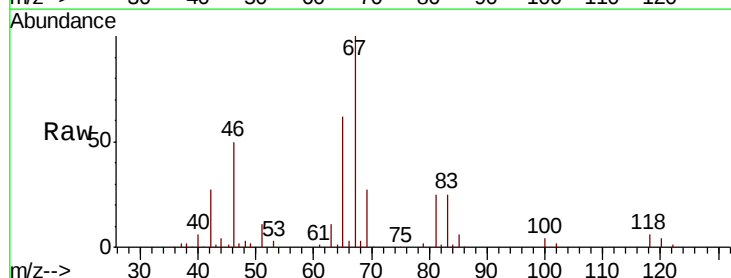


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

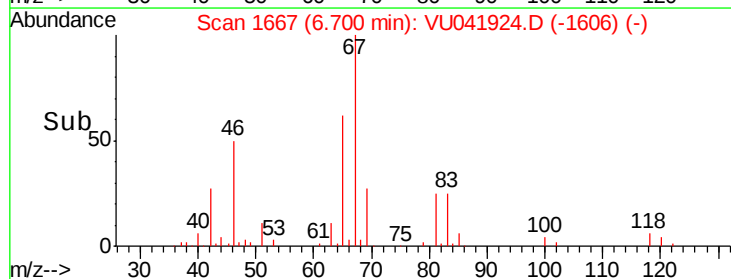
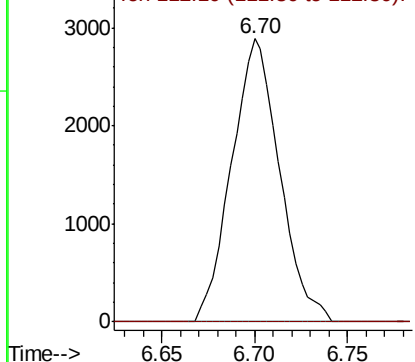


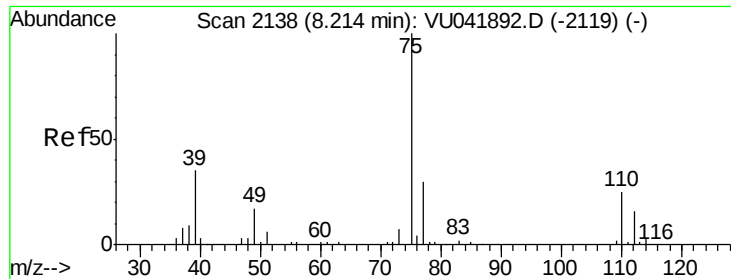
#37
1,2-Dichloropropane
Concen: 0.548 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041924.D
Acq: 11 Jan 2021 16:43

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.3	4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

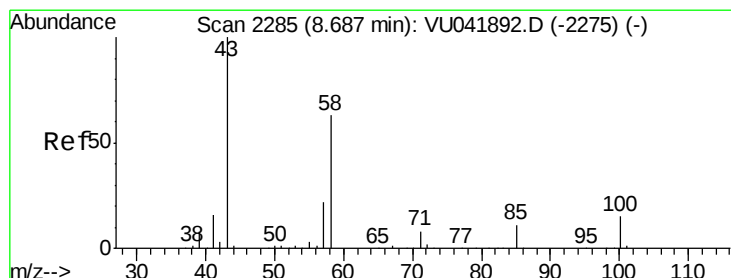
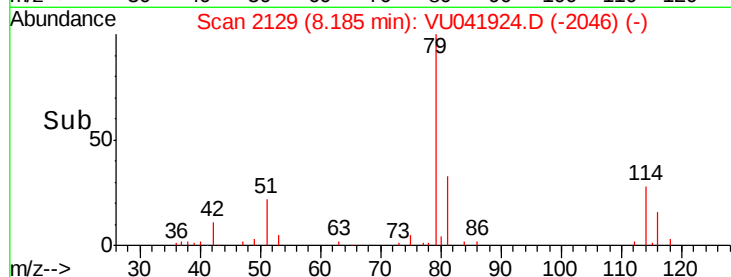
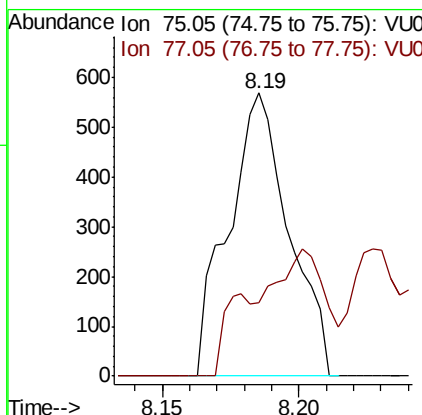
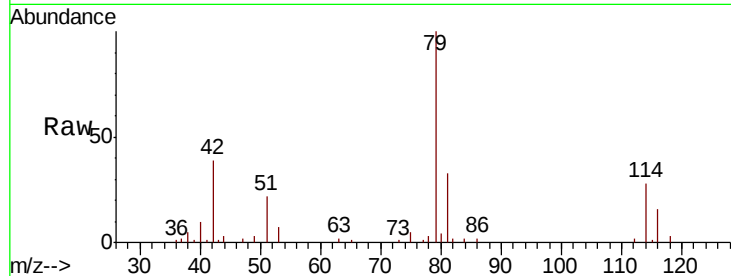




#44
trans-1,3-Dichloropropene
Concen: 0.071 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041924.D
Acq: 11 Jan 2021 16:43

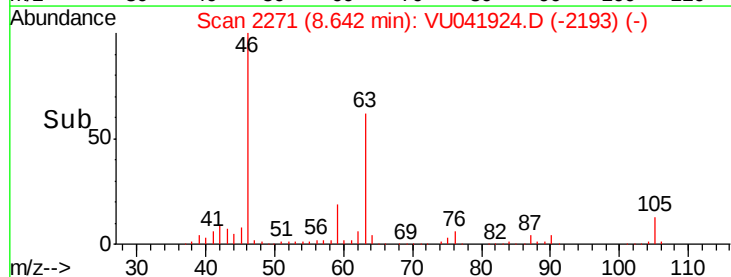
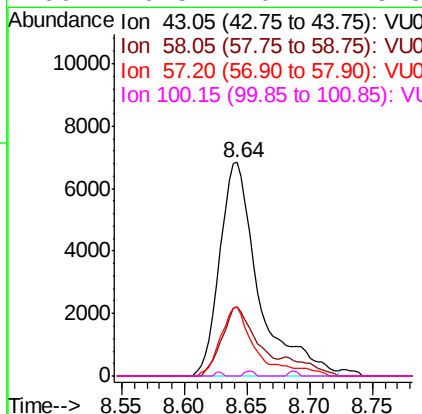
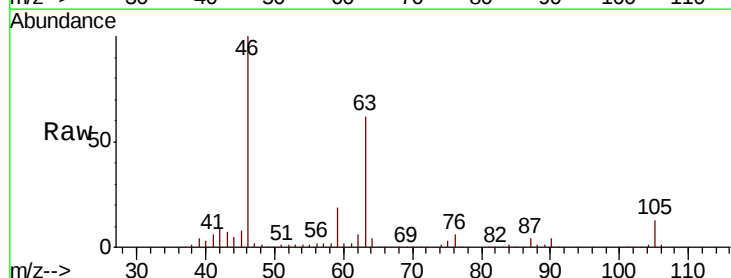
Instrument :
MSVOA_U
ClientSampleId :
BFXL2DL

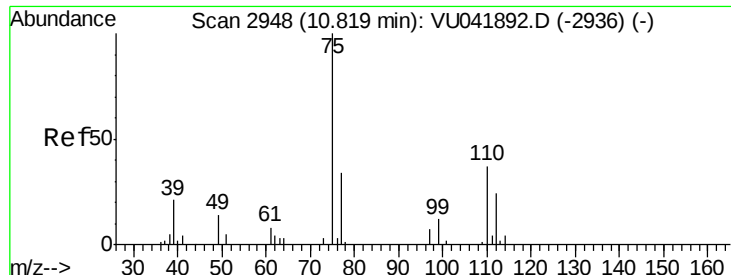
Tot Ion: 75 Resp: 873
Ion Ratio Lower Upper
75 100
77 26.1 23.7 44.1



#48
2-Hexanone
Concen: 3.334 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041924.D
Acq: 11 Jan 2021 16:43

Tgt Ion: 43 Resp: 14786
Ion Ratio Lower Upper
43 100
58 28.4 47.6 71.4#
57 29.3 17.1 25.7#
100 0.5 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.817 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041924.D

Acq: 11 Jan 2021 16:43

Instrument :

MSVOA_U

ClientSampleId :

BFXL2DL

Tot Ion: 75 Resp: 5653

Ion Ratio Lower Upper

75 100

77 32.7 27.0 40.4

