

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041930.D
 Acq On : 11 Jan 2021 19:06
 Operator : SY/MD
 Sample : M1027-03DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM4DL

Quant Time: Jan 12 05:13:07 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	108291	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105859	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43395	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45428	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.92	69	43731	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.58	63	67402	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.66	46	145588	57.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.80%
24) Chloroform-d	5.08	84	82546	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.72	65	48506	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.74	84	162125	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.70	67	56858	5.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.80%
41) Toluene-d8	7.91	98	134454	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.19	79	20450	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.64	63	120940	58.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46481	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	48625	5.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.60%

Target Compounds

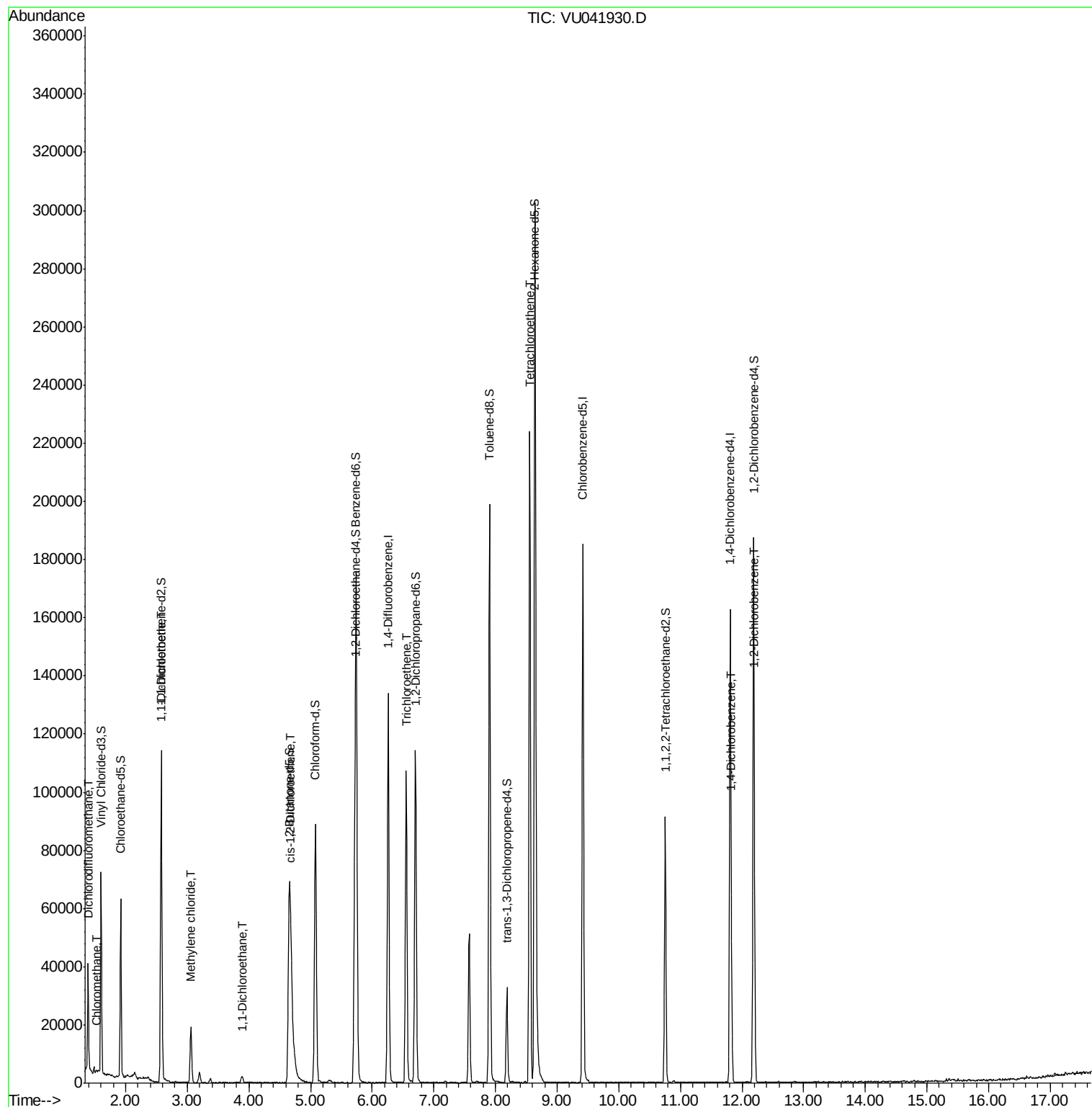
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	9486	0.906	ug/L	91
3) Chloromethane	1.53	50	771	0.068	ug/L	99
12) 1,1-Dichloroethene	2.59	96	2177	0.258	ug/L #	1
16) Methylene chloride	3.06	84	9351	0.880	ug/L	97
19) 1,1-Dichloroethane	3.88	63	3156	0.205	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	2875	0.328	ug/L	97
34) Trichloroethene	6.56	95	38953	4.350	ug/L	92
47) Tetrachloroethene	8.56	164	49078	7.875	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	9029	0.653	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	6235	0.470	ug/L	97

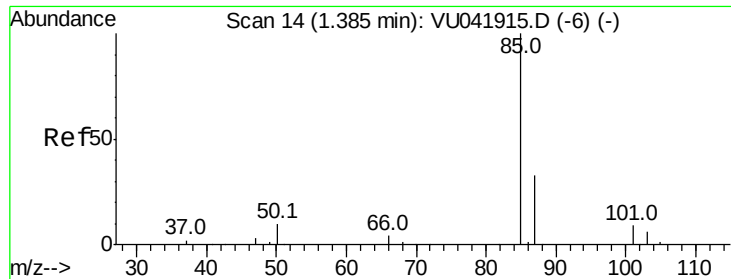
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.906 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041930.D

Acq: 11 Jan 2021 19:06

Instrument :

MSVOA_U

ClientSampled :

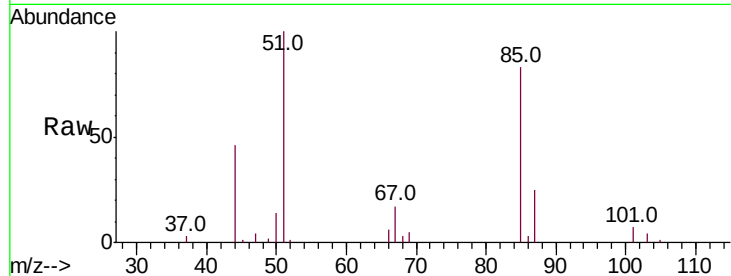
BFXM4DL

Tot Ion: 85 Resp: 9486

Ion Ratio Lower Upper

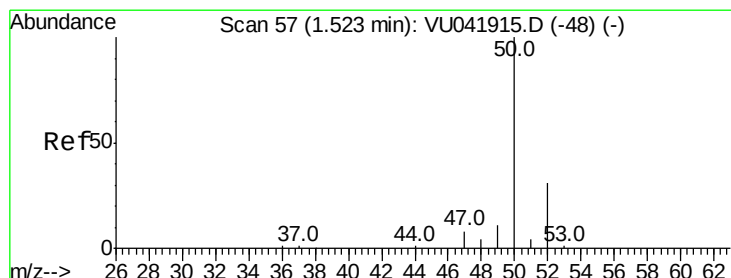
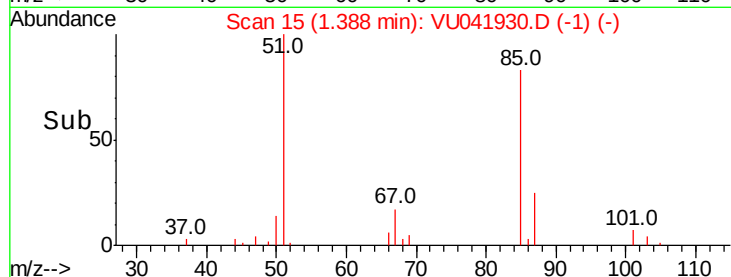
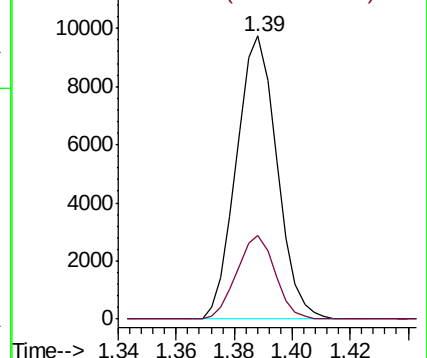
85 100

87 28.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.068 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041930.D

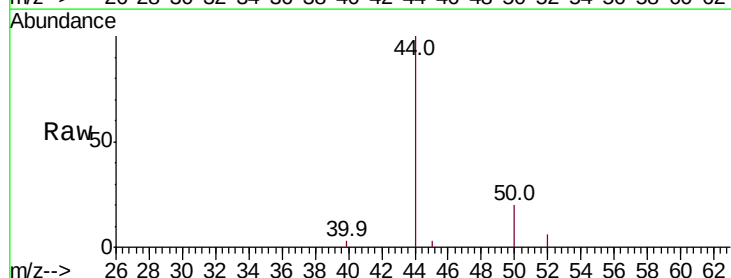
Acq: 11 Jan 2021 19:06

Tgt Ion: 50 Resp: 771

Ion Ratio Lower Upper

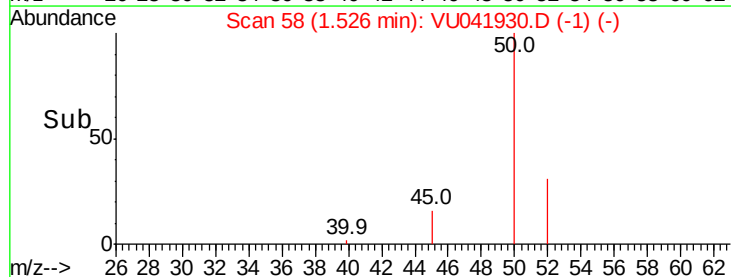
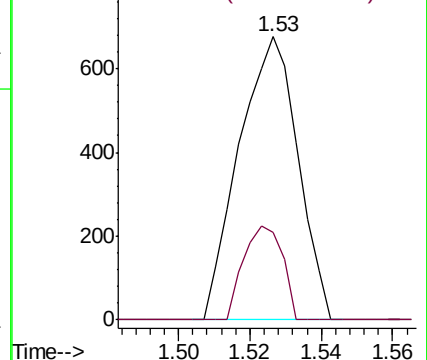
50 100

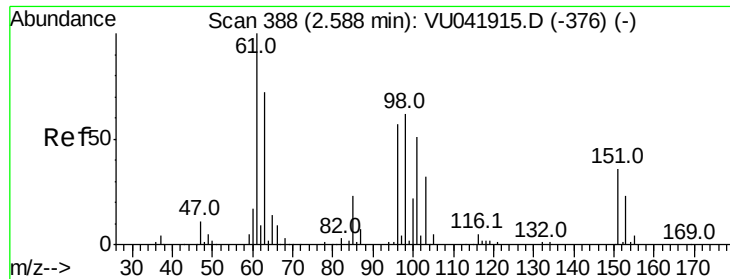
52 31.1 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#12

1,1-Dichloroethene

Concen: 0.258 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

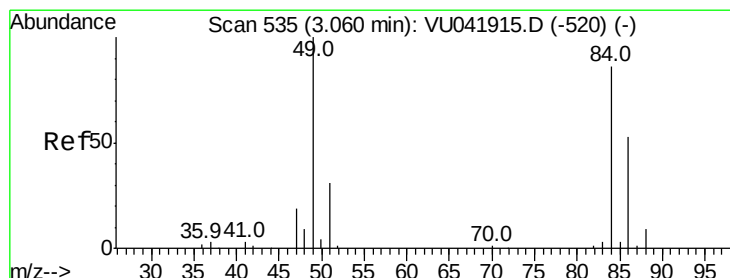
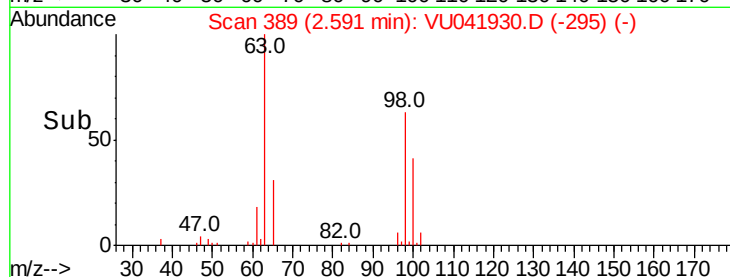
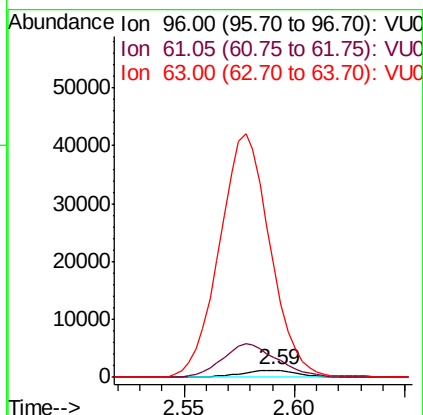
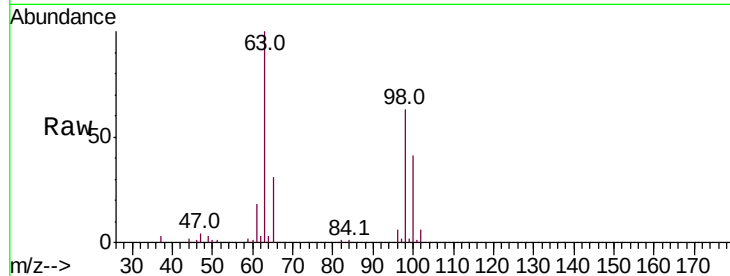
Lab File: VU041930.D

Acq: 11 Jan 2021 19:06

Instrument :
MSVOA_U
ClientSampleId :
BFXM4DL

Tot Ion: 96 Resp: 2177

Ion	Ratio	Lower	Upper
96	100		
61	287.4	123.5	229.4#
63	1578.7	93.5	173.7#



#16

Methylene chloride

Concen: 0.880 ug/L

RT: 3.06 min Scan# 535

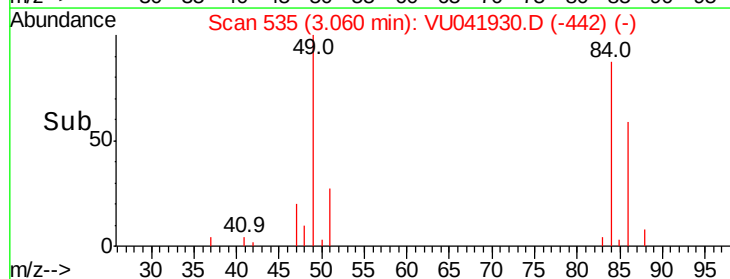
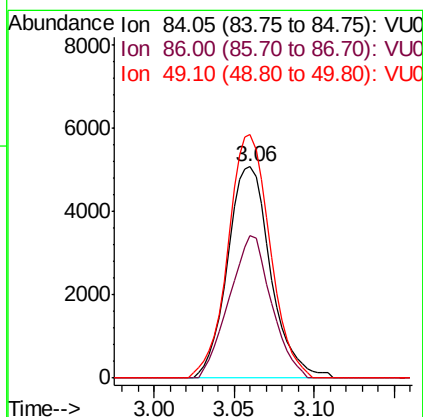
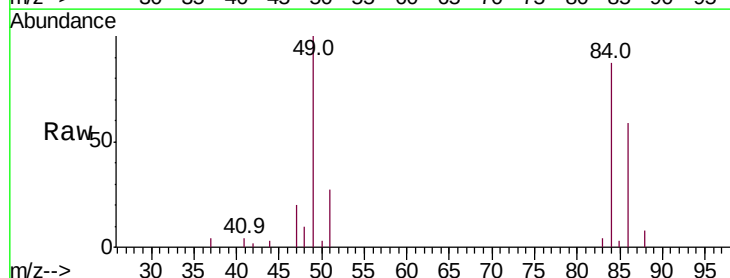
Delta R.T. -0.00 min

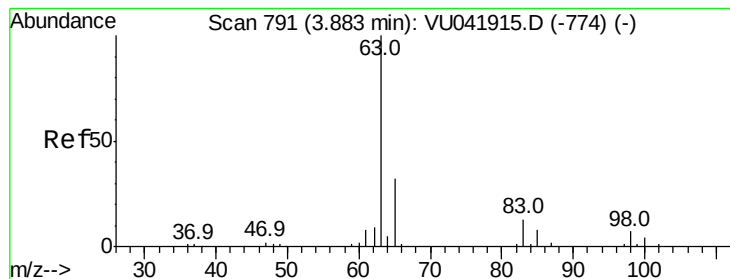
Lab File: VU041930.D

Acq: 11 Jan 2021 19:06

Tgt Ion: 84 Resp: 9351

Ion	Ratio	Lower	Upper
84	100		
86	67.4	43.5	80.7
49	115.1	81.8	151.8





#19

1,1-Dichloroethane

Concen: 0.205 ug/L

RT: 3.88 min Scan# 791

Delta R.T. -0.00 min

Lab File: VU041930.D

Acq: 11 Jan 2021 19:06

Instrument :

MSVOA_U

ClientSampleId :

BFXM4DL

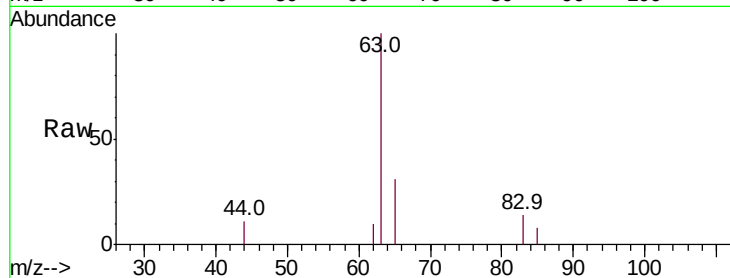
Tot Ion: 63 Resp: 3156

Ion Ratio Lower Upper

63 100

65 31.2 22.3 41.5

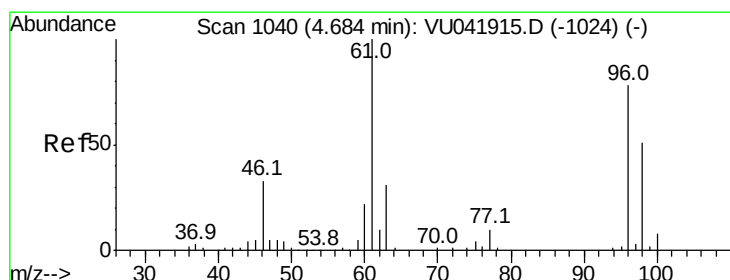
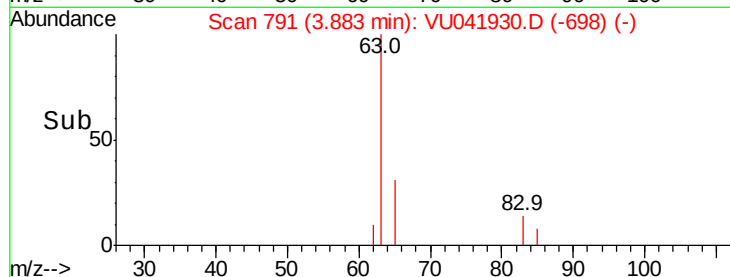
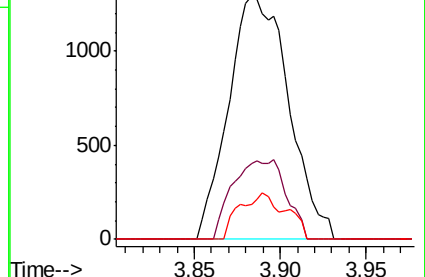
83 14.3 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU041930.D (-698) (-)

Ion 65.10 (64.80 to 65.80): VU041930.D (-698) (-)

Ion 83.05 (82.75 to 83.75): VU041930.D (-698) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.328 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041930.D

Acq: 11 Jan 2021 19:06

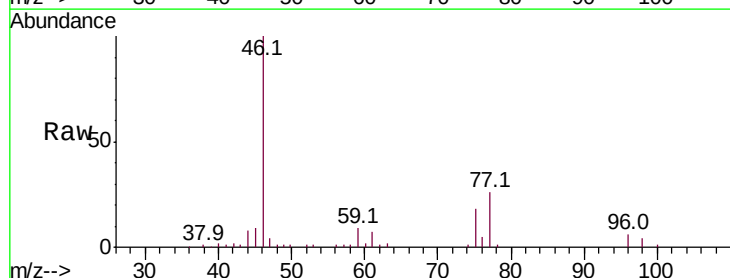
Tgt Ion: 96 Resp: 2875

Ion Ratio Lower Upper

96 100

61 125.3 90.3 167.7

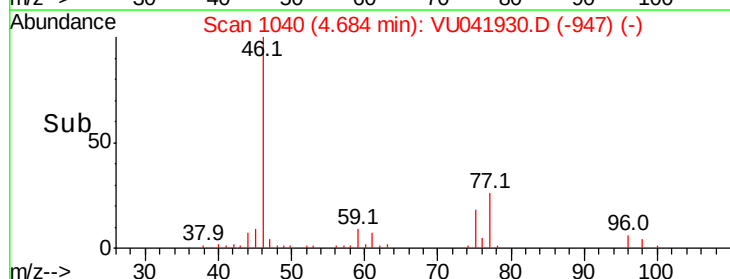
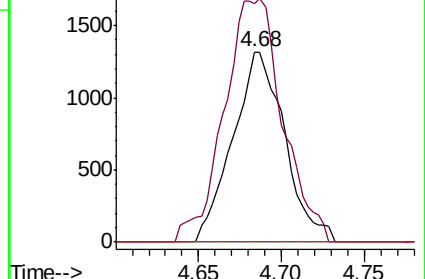
68 0.0 0.0 0.0

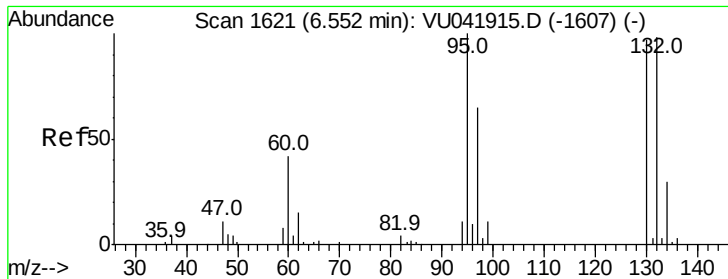


Abundance Ion 96.00 (95.70 to 96.70): VU041930.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041930.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041930.D (-947) (-)





#34

Trichloroethene

Concen: 4.350 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041930.D

Acq: 11 Jan 2021 19:06

Instrument :

MSVOA_U

ClientSampleId :

BFXM4DL

Tot Ion: 95 Resp: 38953

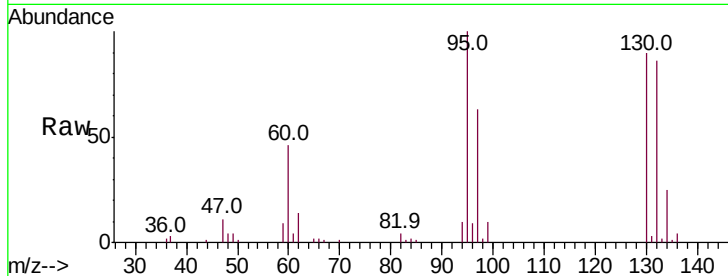
Ion Ratio Lower Upper

95 100

97 62.8 45.2 84.0

132 86.3 68.7 127.5

130 90.2 68.0 126.4



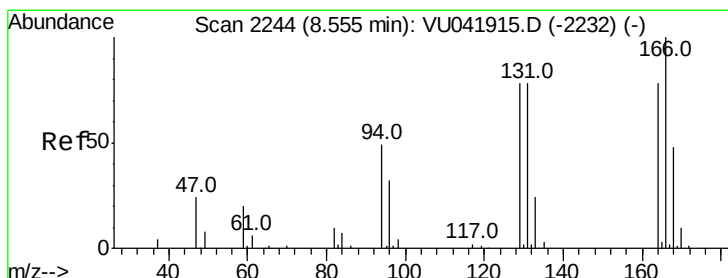
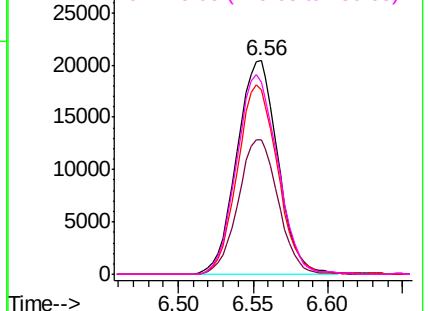
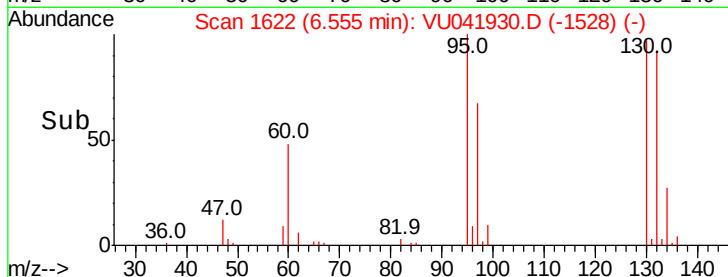
Abundance

Ion 95.00 (94.70 to 95.70): VU041930.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041930.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041930.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041930.D (-1528) (-)



#47

Tetrachloroethene

Concen: 7.875 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041930.D

Acq: 11 Jan 2021 19:06

Tgt Ion: 164 Resp: 49078

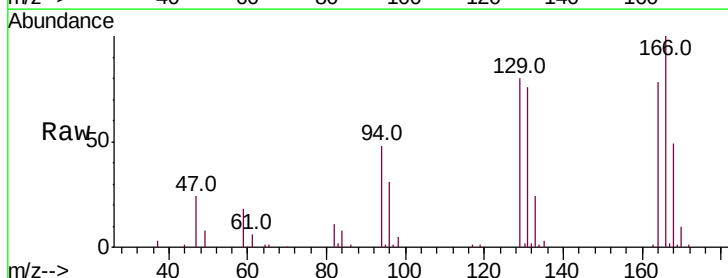
Ion Ratio Lower Upper

164 100

129 102.1 69.2 128.6

131 97.7 69.7 129.5

166 128.1 89.2 165.8



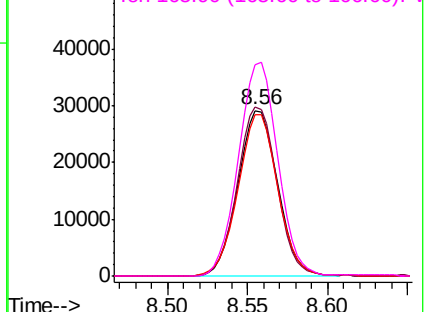
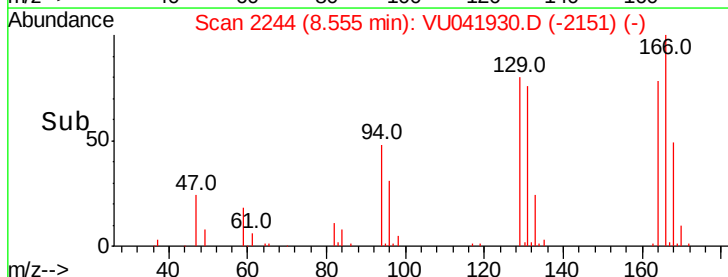
Abundance

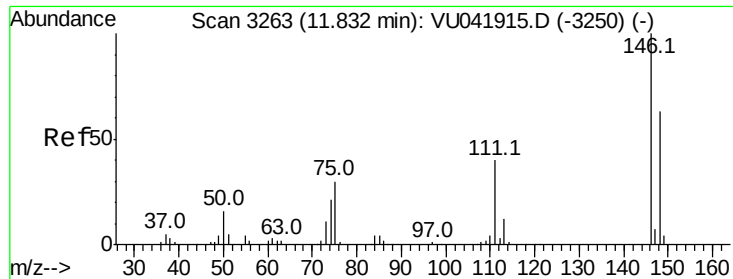
Ion 163.90 (163.60 to 164.60): VU041930.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041930.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041930.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041930.D (-2151) (-)

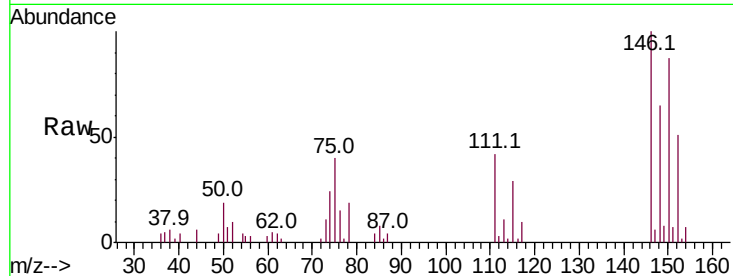




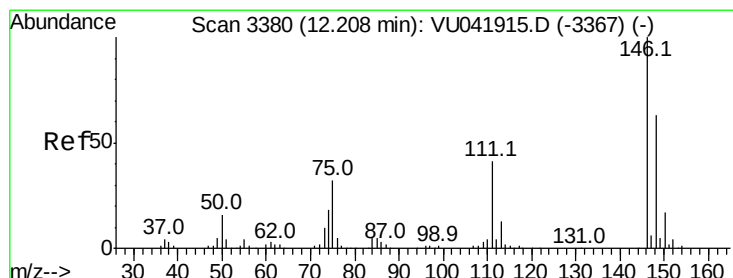
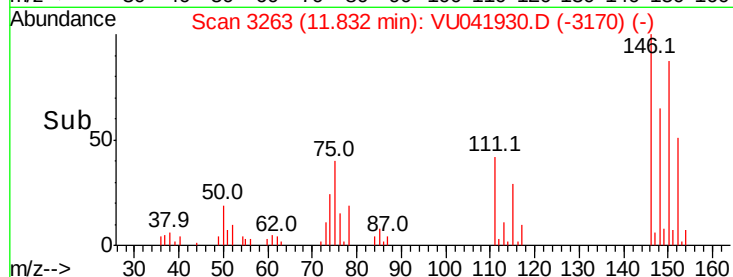
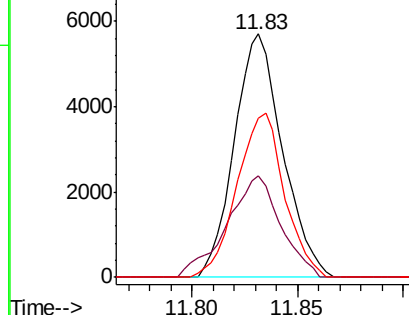
#63
 1,4-Dichlorobenzene
 Concen: 0.653 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041930.D
 Acq: 11 Jan 2021 19:06

Instrument :
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 BFXM4DL

Tot Ion:146 Resp: 9029
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.4 52.8
 148 65.4 44.0 81.8

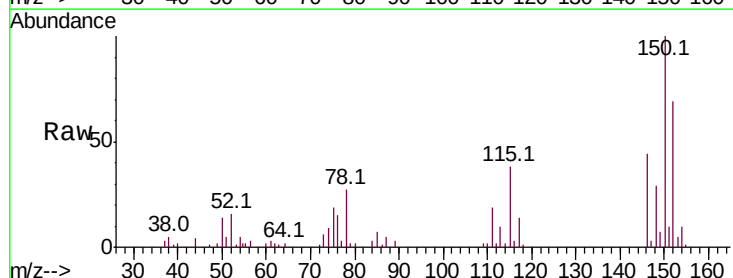


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#65
 1,2-Dichlorobenzene
 Concen: 0.470 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041930.D
 Acq: 11 Jan 2021 19:06

Tgt Ion:146 Resp: 6235
 Ion Ratio Lower Upper
 146 100
 111 42.3 32.4 48.6
 148 65.8 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

