

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041919.D
 Acq On : 11 Jan 2021 14:44
 Operator : SY/MD
 Sample : VU0111WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK17

Quant Time: Jan 12 03:26:27 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	119601	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116368	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48886	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.92	69	44925	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.58	63	72095	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	4.66	46	172134	61.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.90%
24) Chloroform-d	5.08	84	93259	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.72	65	48735	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.74	84	172572	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	54062	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.90	98	142583	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.19	79	21793	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	129001	56.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47908	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	52981	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

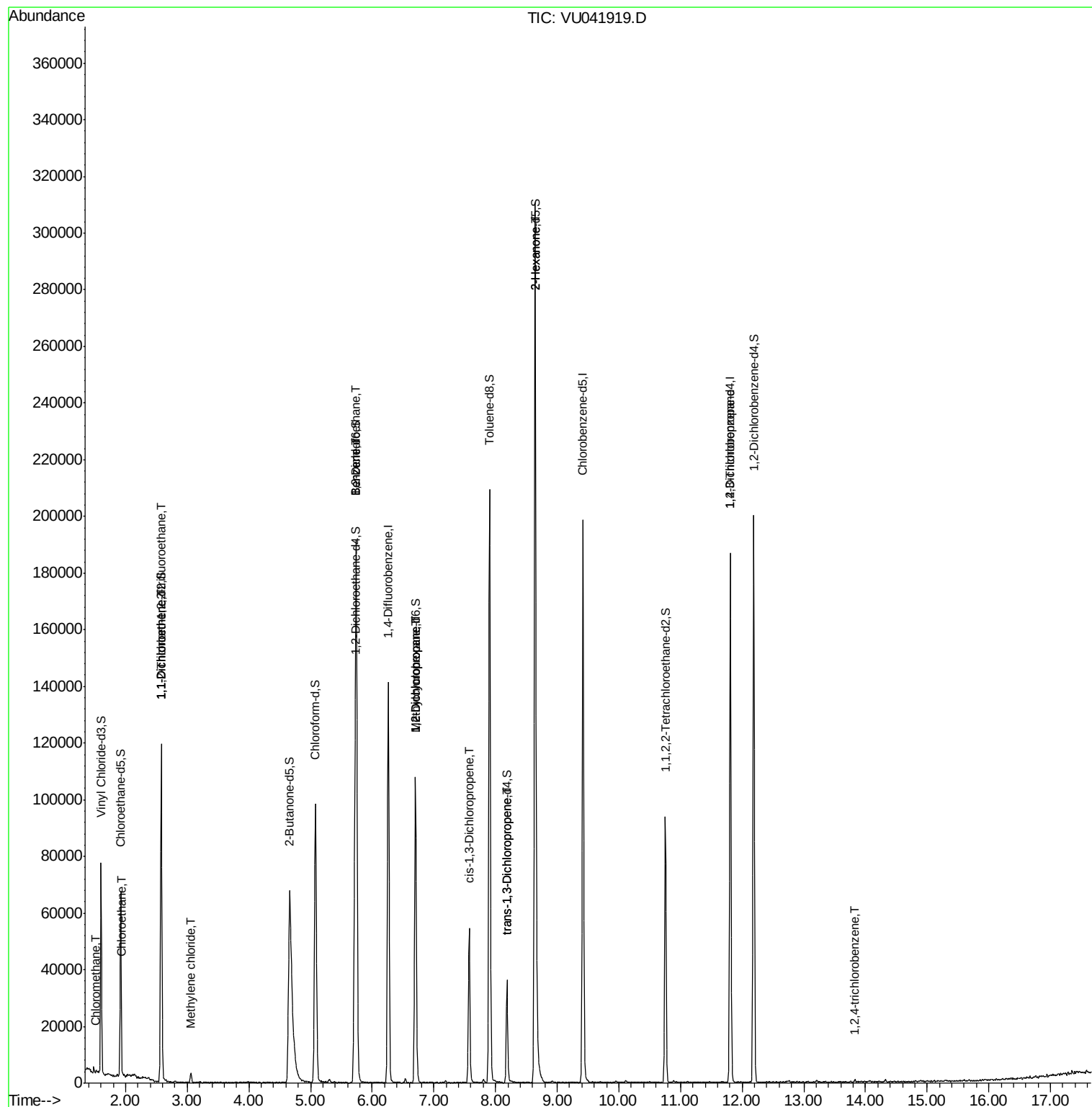
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	756	0.060	ug/L	96
8) Chloroethane	1.94	64	283	0.034	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	588	0.061	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	635	0.068	ug/L #	1
16) Methylene chloride	3.06	84	1679	0.143	ug/L	93
27) 1,2-Dichloroethane	5.74	62	835	0.073	ug/L #	73
33) Benzene	5.74	78	1318	0.035	ug/L	100
35) Methylcyclohexane	6.70	83	12501	0.864	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5565	0.595	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1155	0.084	ug/L #	45
44) trans-1,3-Dichloropropene	8.18	75	852	0.070	ug/L	100
48) 2-Hexanone	8.64	43	13724	3.135	ug/L #	68
59) 1,2,3-Trichloropropane	11.81	75	5572	0.816	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	348	0.039	ug/L #	75

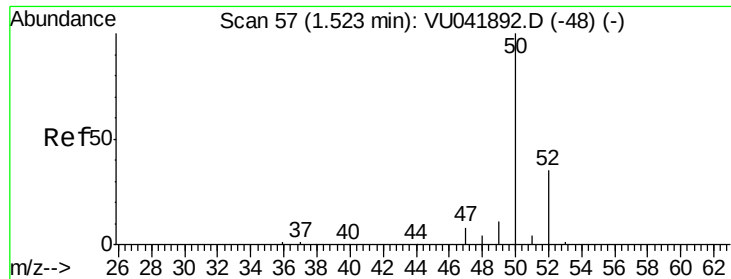
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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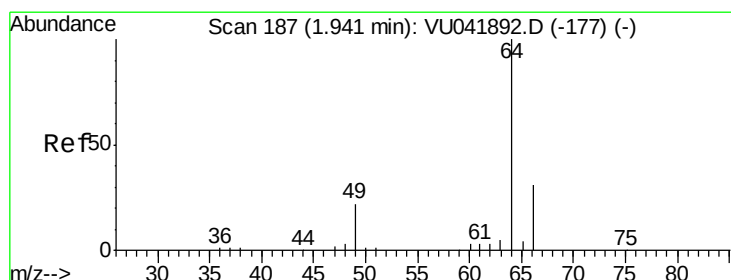
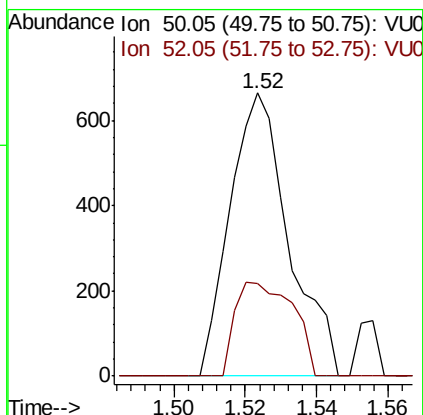
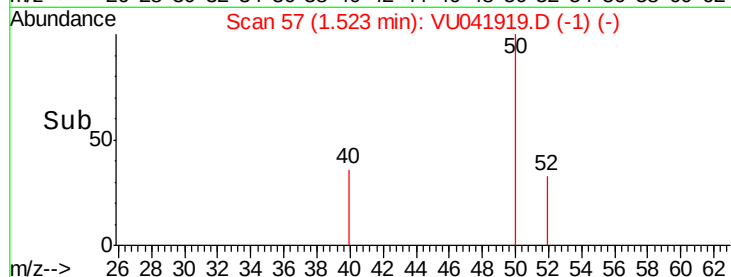
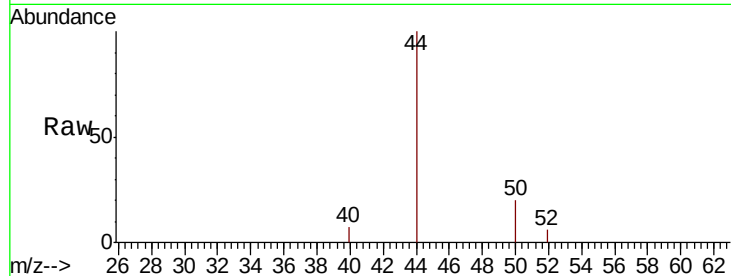




#3
 Chloromethane
 Concen: 0.060 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. 0.00 min
 Lab File: VU041919.D
 Acq: 11 Jan 2021 14:44

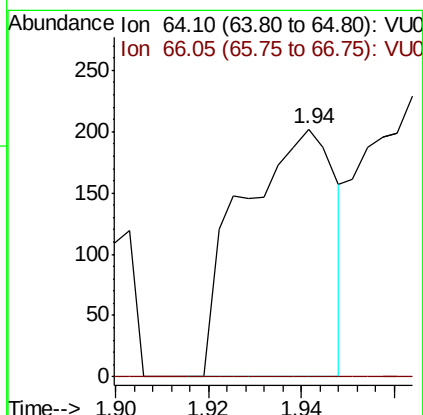
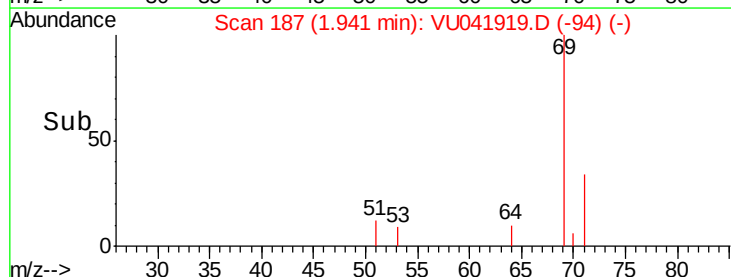
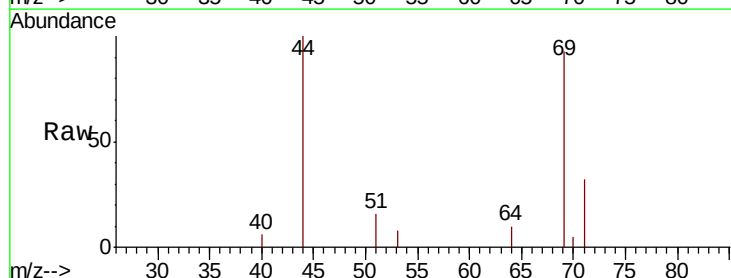
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK17

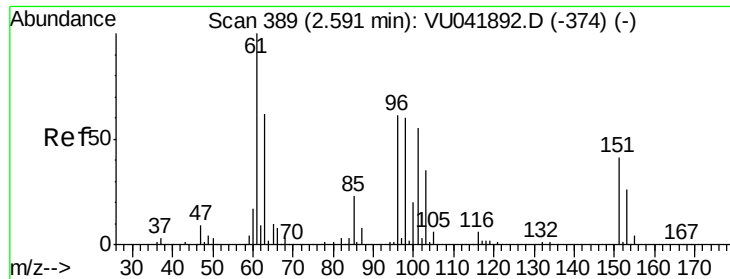
Tot Ion: 50 Resp: 756
 Ion Ratio Lower Upper
 50 100
 52 32.8 21.4 39.8



#8
 Chloroethane
 Concen: 0.034 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VU041919.D
 Acq: 11 Jan 2021 14:44

Tgt Ion: 64 Resp: 283
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.1 41.1#





#10

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

Concen: 0.061 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041919.D

Acq: 11 Jan 2021 14:44

Instrument :

MSVOA_U

ClientSampled :

VBLK17

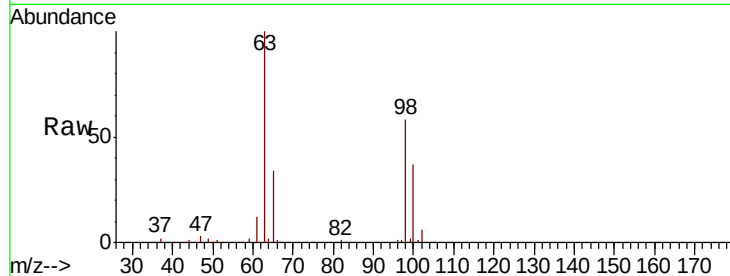
Tot Ion:101 Resp: 588

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

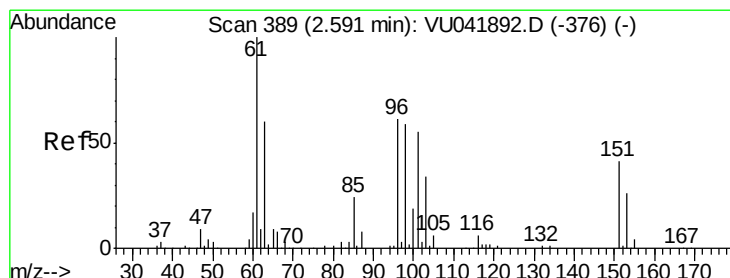
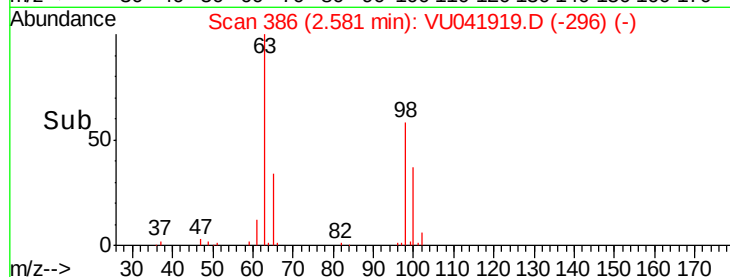
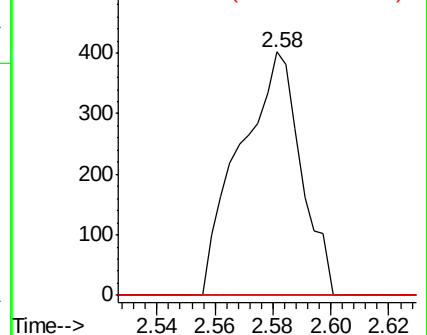
151 0.0 58.2 87.2#



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: 0.068 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041919.D

Acq: 11 Jan 2021 14:44

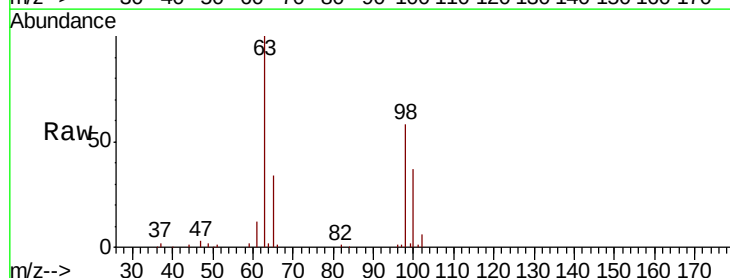
Tgt Ion: 96 Resp: 635

Ion Ratio Lower Upper

96 100

61 1265.0 123.5 229.4#

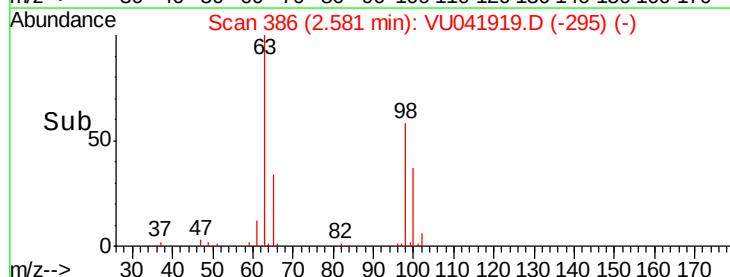
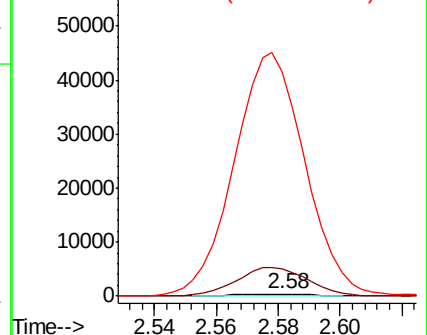
63 10396.0 93.5 173.7#

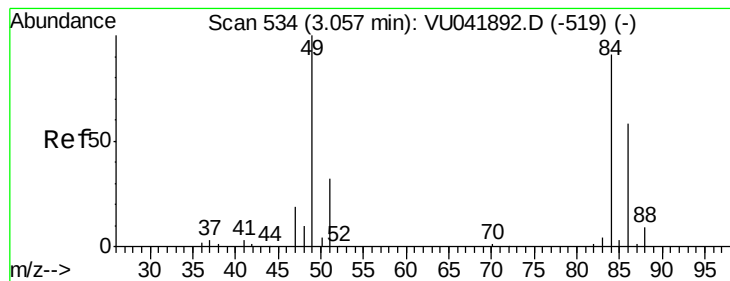


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 0.143 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041919.D

Acq: 11 Jan 2021 14:44

Instrument :

MSVOA_U

ClientSampleId :

VBLK17

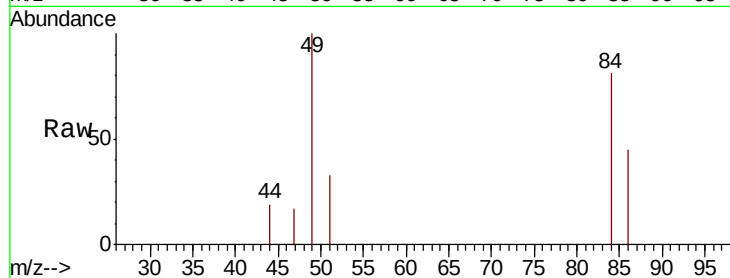
Tot Ion: 84 Resp: 1679

Ion Ratio Lower Upper

84 100

86 56.0 43.5 80.7

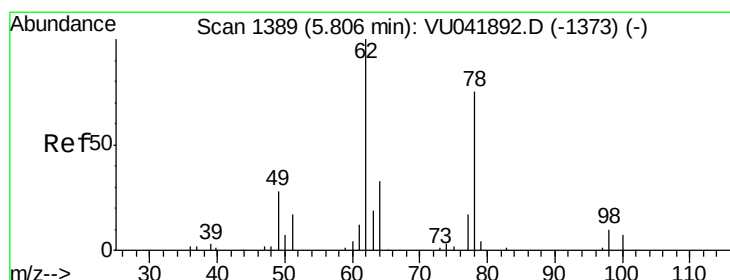
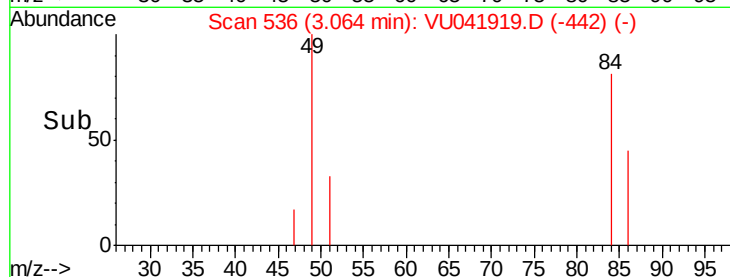
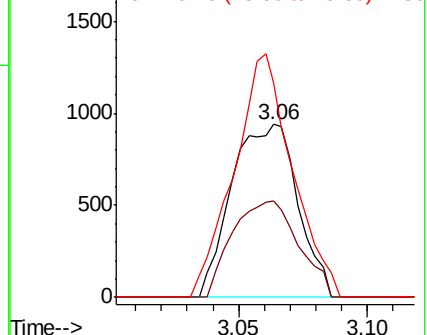
49 123.6 81.8 151.8



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



#27

1,2-Dichloroethane

Concen: 0.073 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041919.D

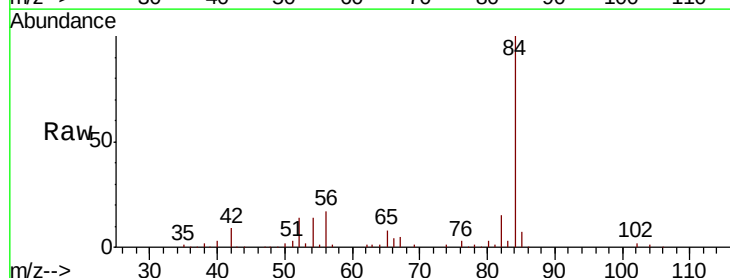
Acq: 11 Jan 2021 14:44

Tgt Ion: 62 Resp: 835

Ion Ratio Lower Upper

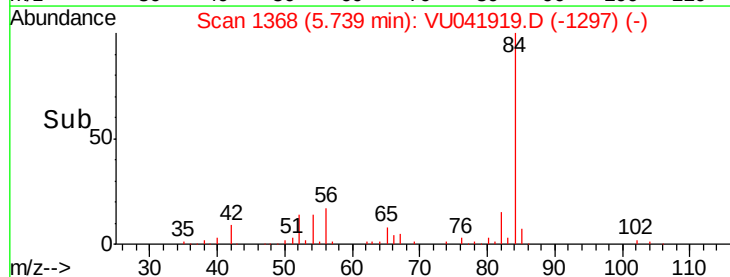
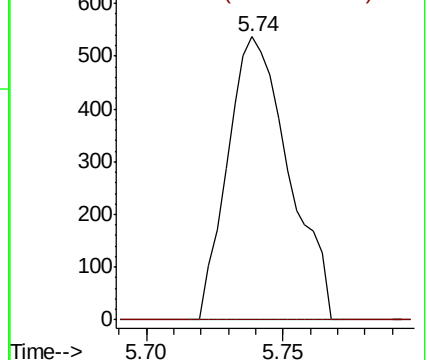
62 100

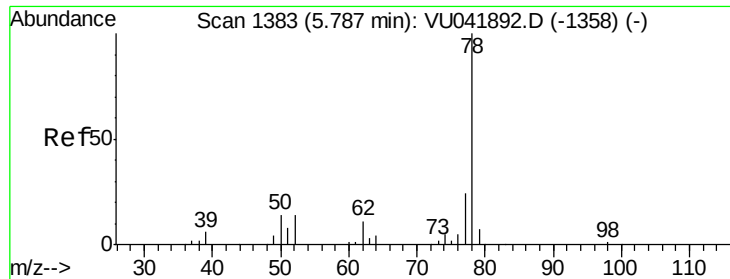
98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 0.035 ug/L

RT: 5.74 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VU041919.D

Acq: 11 Jan 2021 14:44

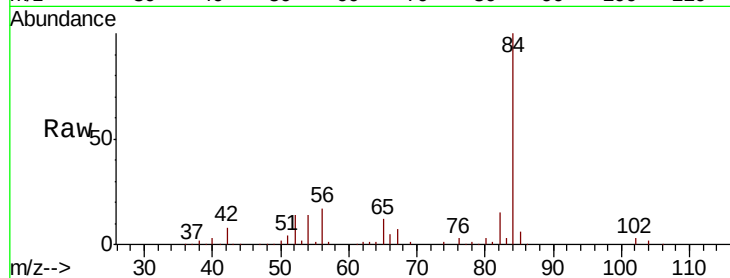
Instrument :

MSVOA_U

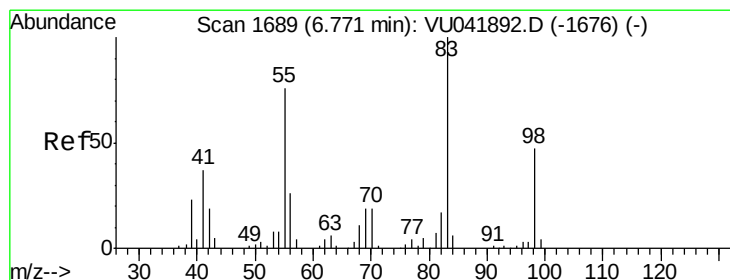
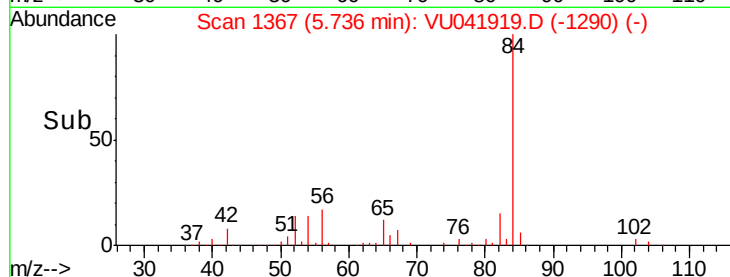
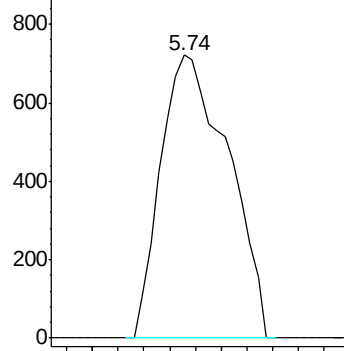
ClientSampleId :

VBLK17

Tgt Ion: 78 Resp: 1318



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.864 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041919.D

Acq: 11 Jan 2021 14:44

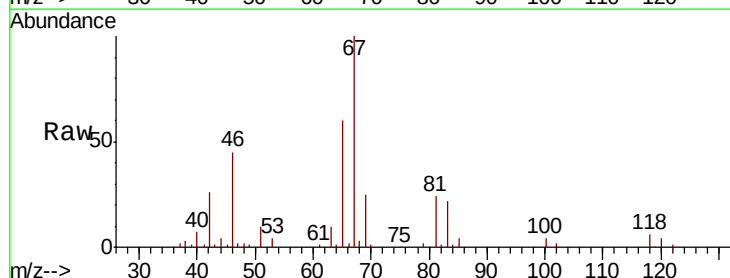
Tgt Ion: 83 Resp: 12501

Ion Ratio Lower Upper

83 100

55 0.0 64.3 96.5#

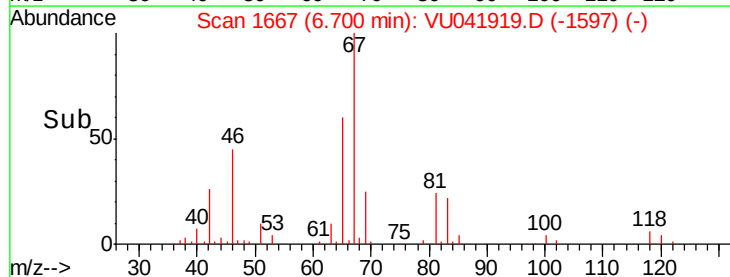
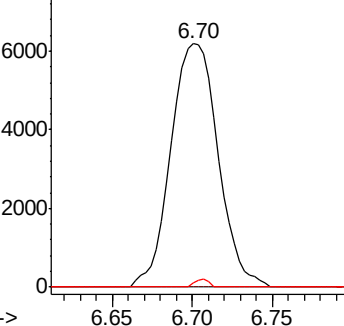
98 1.0 36.6 54.8#

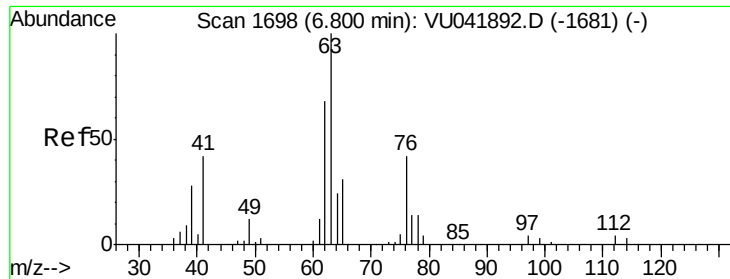


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

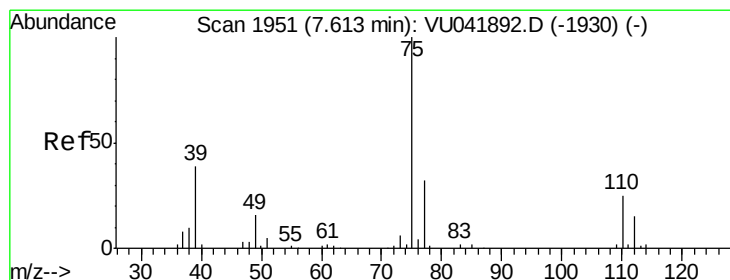
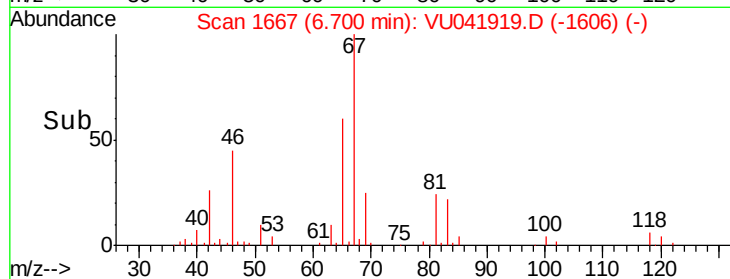
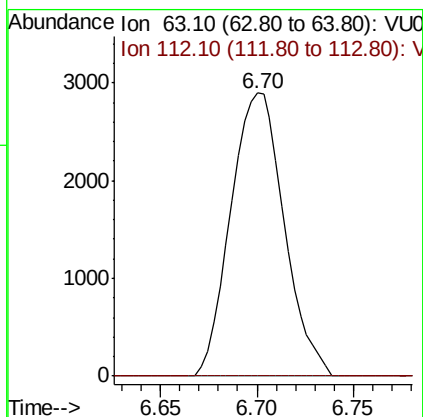
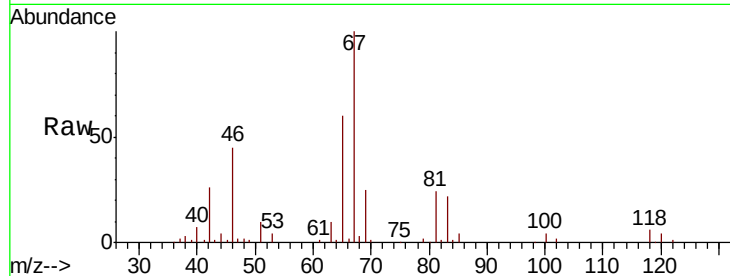




#37
 1,2-Dichloropropane
 Concen: 0.595 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041919.D
 Acq: 11 Jan 2021 14:44

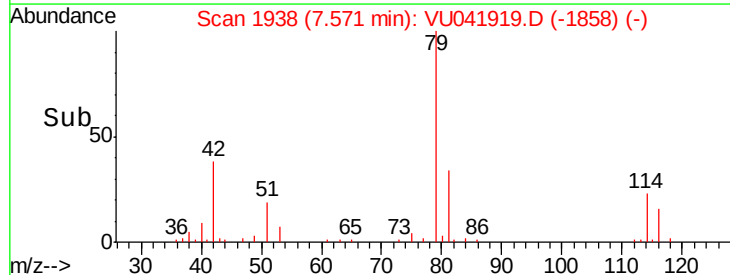
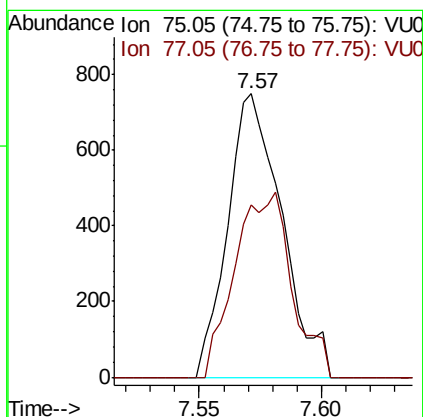
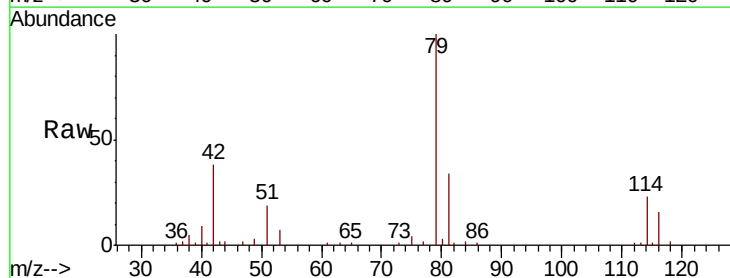
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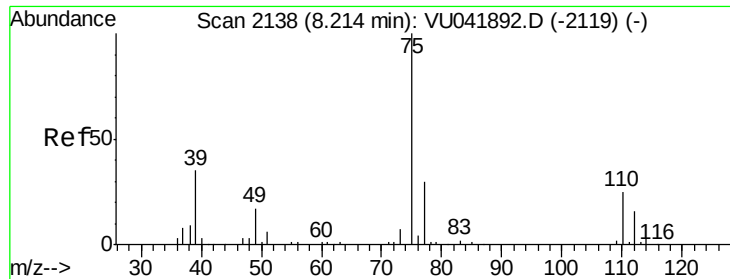
Tot Ion: 63 Resp: 5565
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041919.D
 Acq: 11 Jan 2021 14:44

Tgt Ion: 75 Resp: 1155
 Ion Ratio Lower Upper
 75 100
 77 61.0 21.5 39.9#

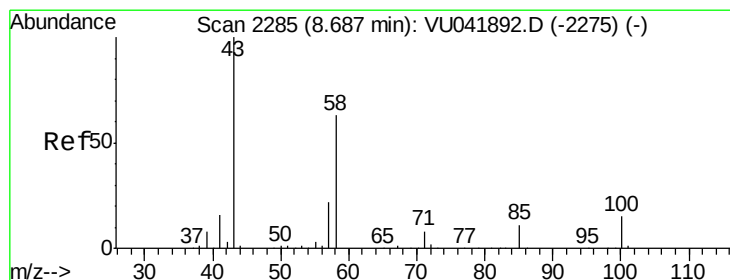
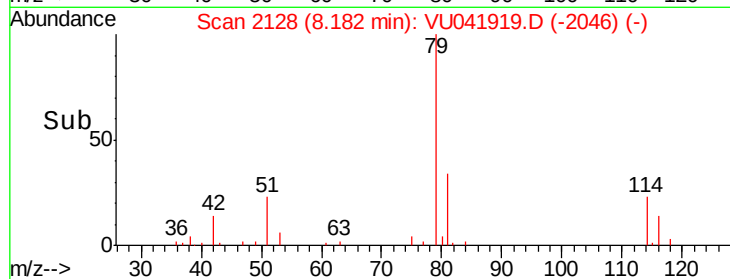
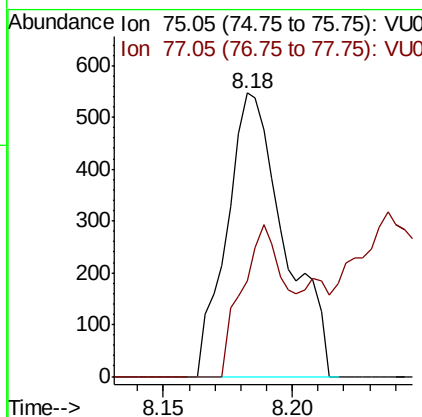
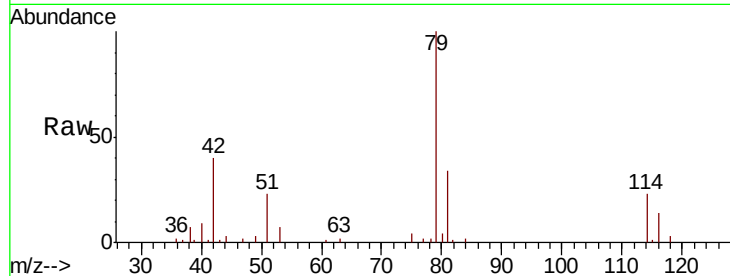




#44
trans-1,3-Dichloropropene
Concen: 0.070 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.04 min
Lab File: VU041919.D
Acq: 11 Jan 2021 14:44

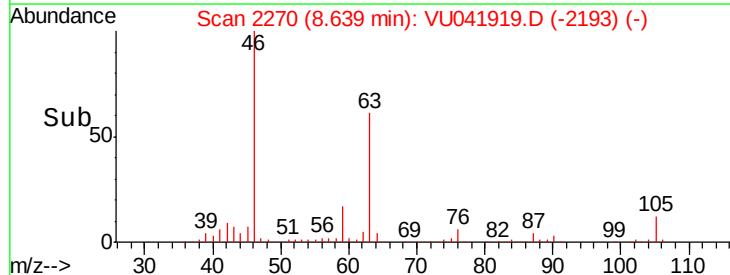
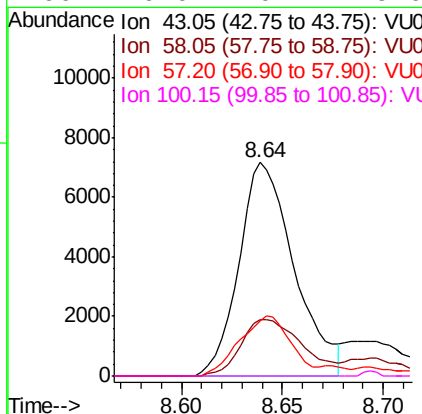
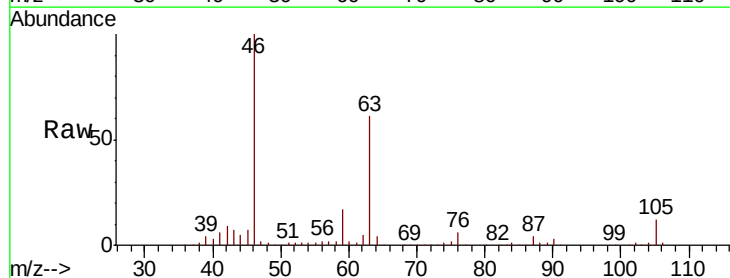
Instrument :
MSVOA_U
ClientSampleId :
VBLK17

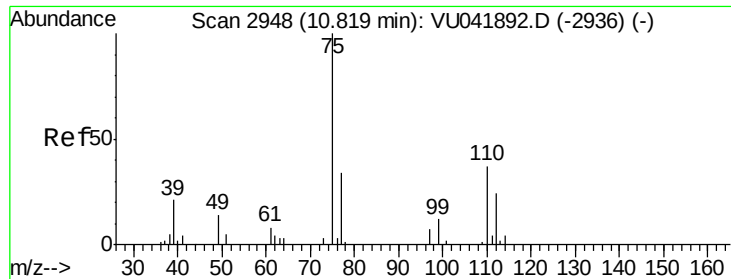
Tot Ion: 75 Resp: 852
Ion Ratio Lower Upper
75 100
77 33.8 23.7 44.1



#48
2-Hexanone
Concen: 3.135 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041919.D
Acq: 11 Jan 2021 14:44

Tgt Ion: 43 Resp: 13724
Ion Ratio Lower Upper
43 100
58 29.3 47.6 71.4#
57 26.3 17.1 25.7#
100 0.0 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.816 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041919.D

Acq: 11 Jan 2021 14:44

Instrument :

MSVOA_U

ClientSampleId :

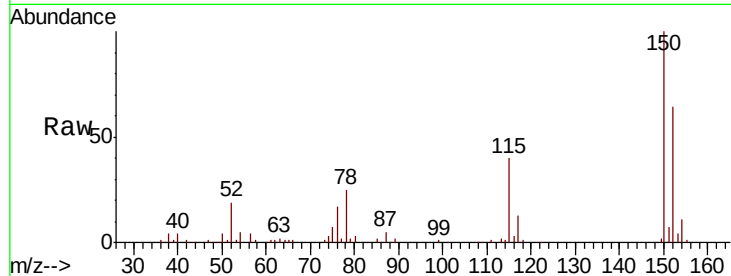
VBLK17

Tot Ion: 75 Resp: 5572

Ion Ratio Lower Upper

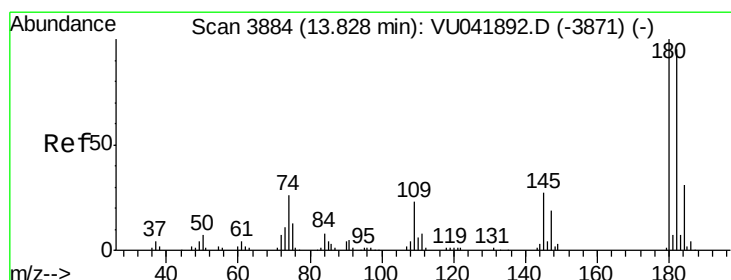
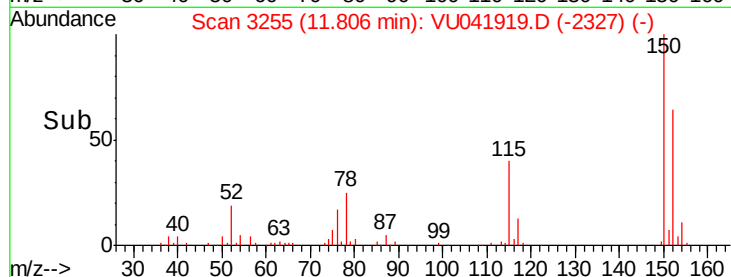
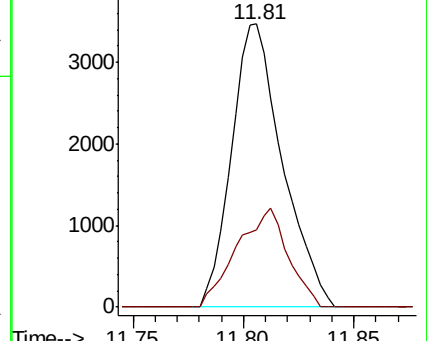
75 100

77 35.0 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU041892.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041892.D (-2936) (-)



#68

1,2,4-trichlorobenzene

Concen: 0.039 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. 0.00 min

Lab File: VU041919.D

Acq: 11 Jan 2021 14:44

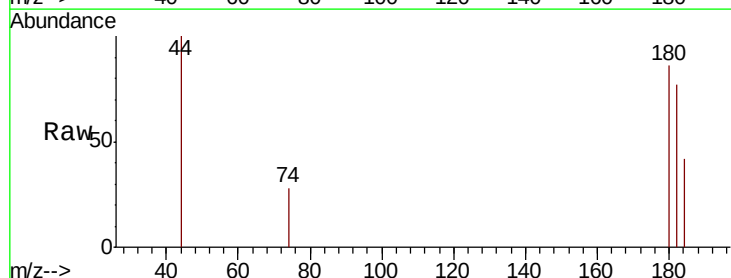
Tgt Ion: 180 Resp: 348

Ion Ratio Lower Upper

180 100

182 80.7 77.2 115.8

145 0.0 23.8 35.6#



Abundance Ion 179.90 (179.60 to 180.60): VU041892.D (-3871) (-)

Ion 182.00 (181.70 to 182.70): VU041892.D (-3871) (-)

Ion 144.95 (144.65 to 145.65): VU041892.D (-3871) (-)

