

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041877.D
 Acq On : 07 Jan 2021 17:05
 Operator : SY/MD
 Sample : M1026-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 05:00:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 08 04:58:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	147512	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128334	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56212	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43210	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.92	69	46904	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.58	63	63335	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.65	46	178412	53.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.72%
24) Chloroform-d	5.08	84	102009	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	56478	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.74	84	192172	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.70	67	65801	5.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.20%
41) Toluene-d8	7.90	98	145558	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.19	79	22439	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	135830	47.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54144	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	54656	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	5461	0.437	ug/L	99
3) Chloromethane	1.52	50	989	0.081	ug/L	92
9) Trichlorofluoromethane	2.14	101	1532	0.090	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	677	0.067	ug/L #	22
13) Acetone	2.65	43	2632	1.249	ug/L	65
17) Methyl tert-butyl Ether	3.38	73	695093	26.034	ug/L	98
19) 1,1-Dichloroethane	3.89	63	2802	0.145	ug/L	90
25) Chloroform	5.10	83	2305	0.118	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	1166	0.079	ug/L	94
34) Trichloroethene	6.55	95	1375	0.133	ug/L #	79
35) Methylcyclohexane	6.70	83	14603	0.876	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6764	0.644	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1325	0.085	ug/L #	35
44) trans-1,3-Dichloropropene	8.19	75	931	0.067	ug/L #	41
47) Tetrachloroethene	8.56	164	3385	0.469	ug/L	92
49) Dibromochloromethane	8.56	129	3330	0.373	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6623	0.840	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
Data File : VU041877.D
Acq On : 07 Jan 2021 17:05
Operator : SY/MD
Sample : M1026-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 08 05:00:23 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

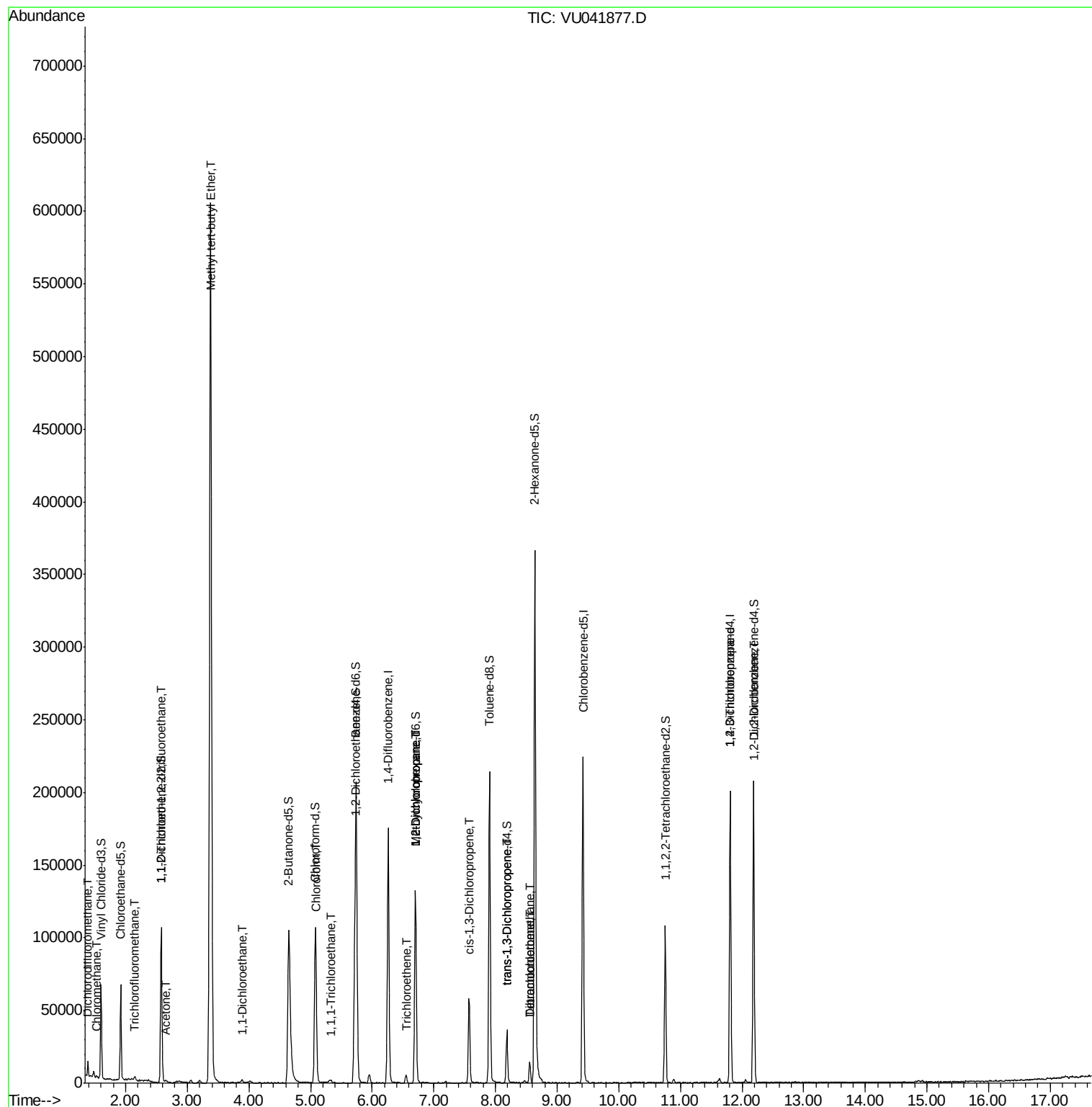
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
65) 1,2-Dichlorobenzene	12.20	146	1086	0.065	ug/L #	68
-----	-----	-----	-----	-----	-----	-----

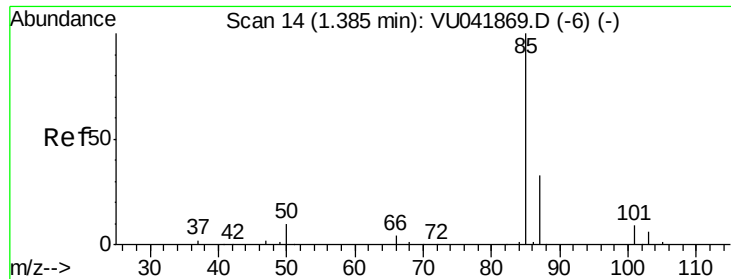
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
Data File : VU041877.D
Acq On : 07 Jan 2021 17:05
Operator : SY/MD
Sample : M1026-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 08 05:00:23 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.437 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041877.D

Acq: 07 Jan 2021 17:05

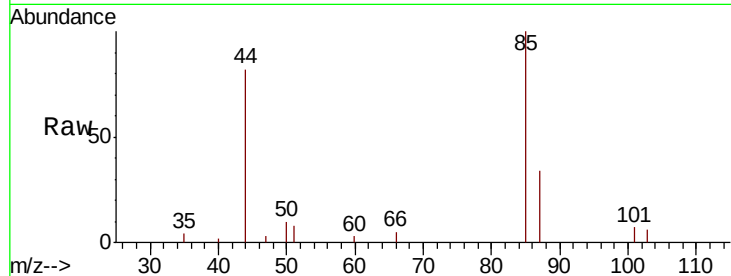
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 5461

Ion Ratio Lower Upper

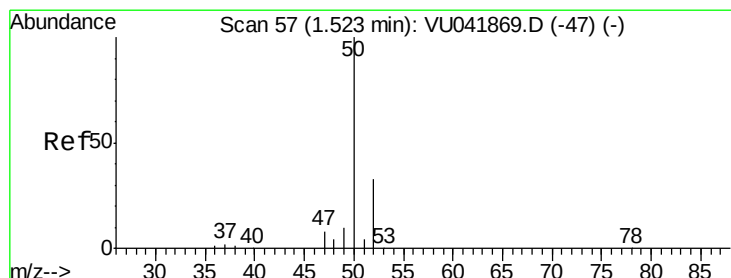
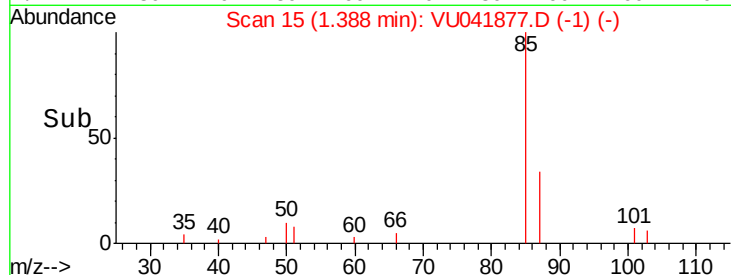
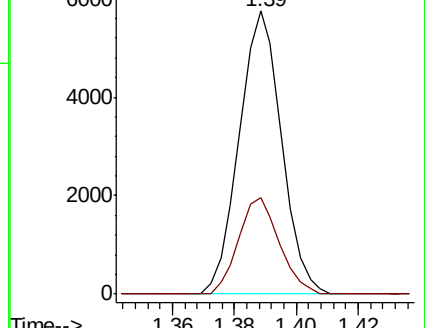
85 100

87 32.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041869.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041869.D (-6) (-)



#3

Chloromethane

Concen: 0.081 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041877.D

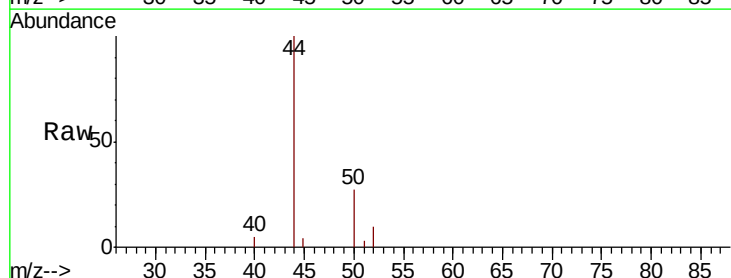
Acq: 07 Jan 2021 17:05

Tgt Ion: 50 Resp: 989

Ion Ratio Lower Upper

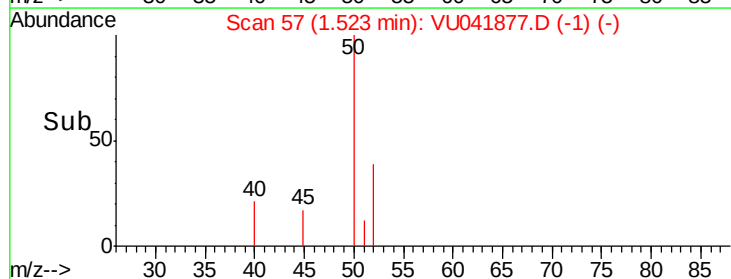
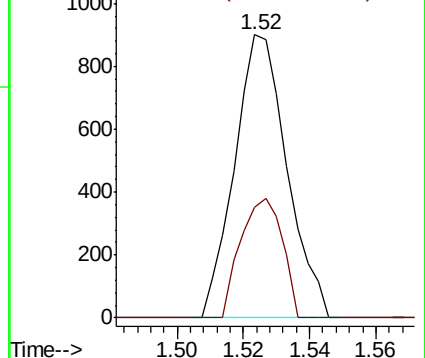
50 100

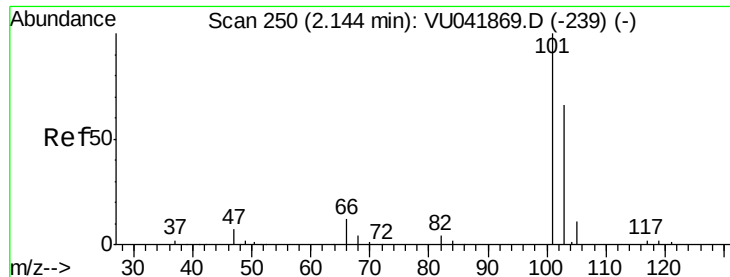
52 39.0 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041869.D (-47) (-)

Ion 52.05 (51.75 to 52.75): VU041869.D (-47) (-)



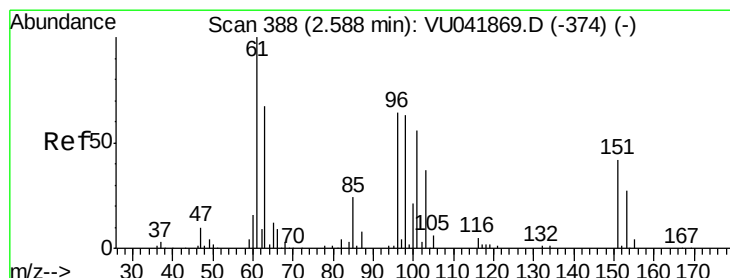
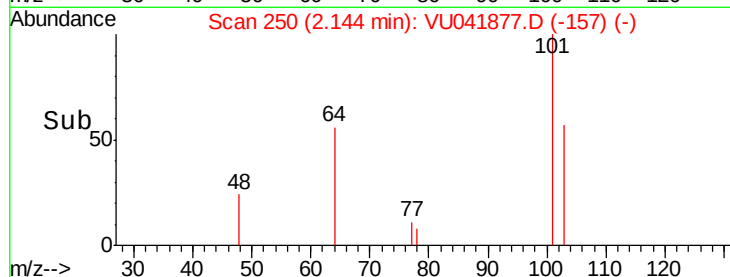
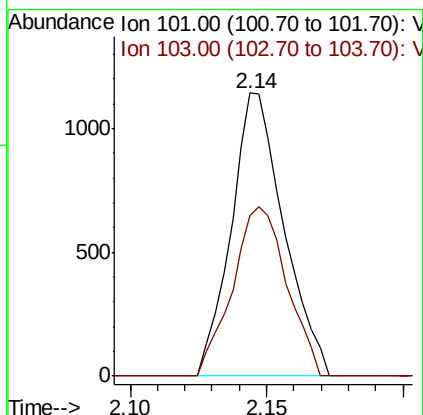
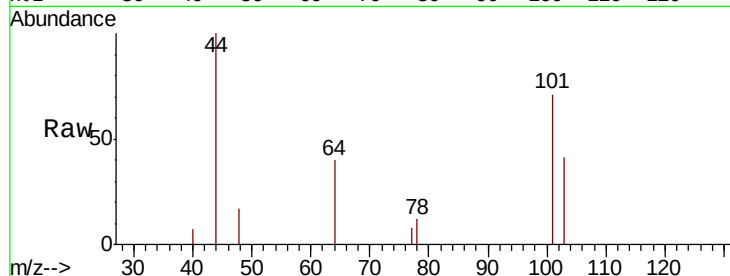


#9

Trichlorofluoromethane
 Concen: 0.090 ug/L
 RT: 2.14 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VU041877.D
 Acq: 07 Jan 2021 17:05

Instrument :
 MSVOA_U
 ClientSampled :

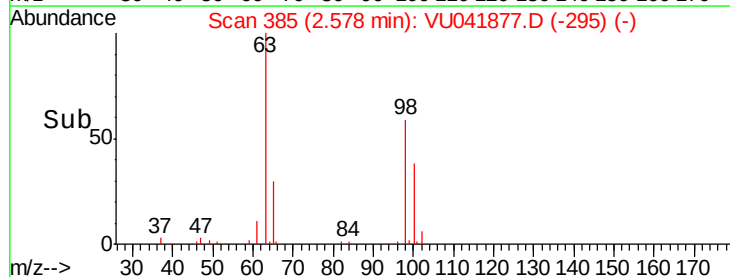
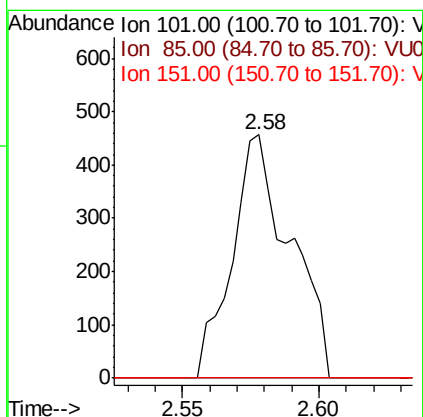
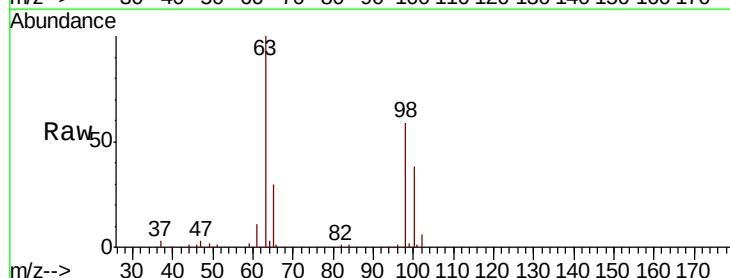
Tot Ion:101 Resp: 1532
 Ion Ratio Lower Upper
 101 100
 103 61.8 51.1 76.7

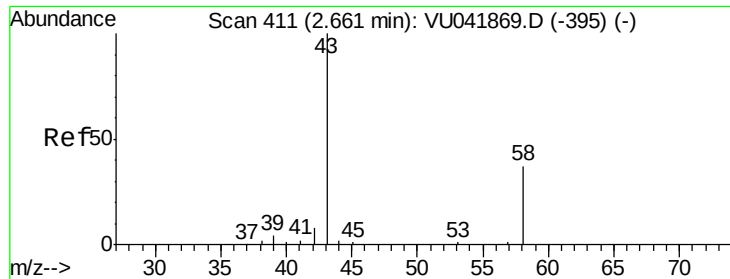


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.067 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041877.D
 Acq: 07 Jan 2021 17:05

Tgt Ion:101 Resp: 677
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.6 50.4#
 151 0.0 56.2 84.4#





#13

Acetone

Concen: 1.249 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU041877.D

Acq: 07 Jan 2021 17:05

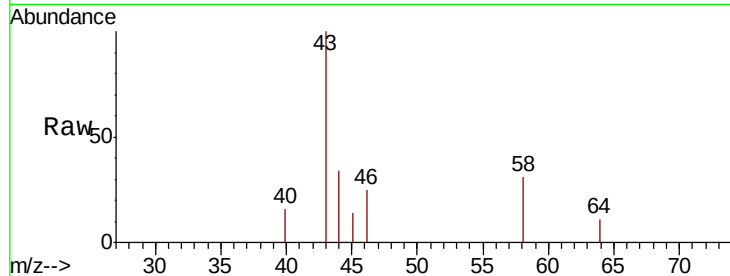
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2632

Ion Ratio Lower Upper

43 100

58 16.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041869.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041869.D (-395) (-)

2.65

800

600

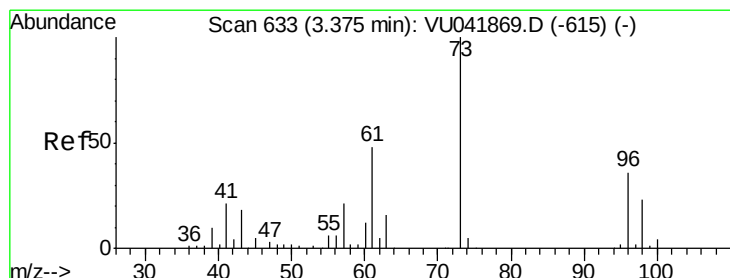
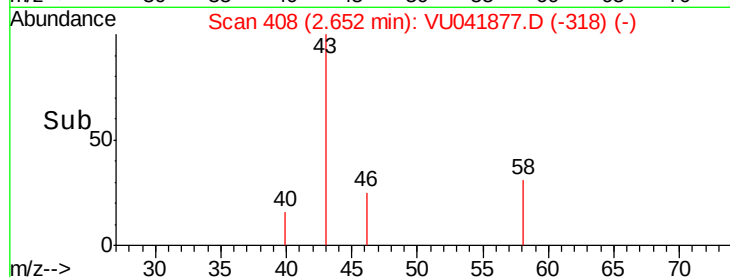
400

200

0

2.60 2.65 2.70

Time-->



#17

Methyl tert-butyl Ether

Concen: 26.034 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041877.D

Acq: 07 Jan 2021 17:05

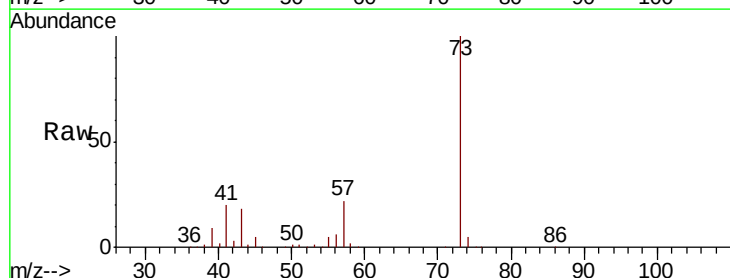
Tgt Ion: 73 Resp: 695093

Ion Ratio Lower Upper

73 100

43 17.7 14.7 22.1

57 21.7 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VU041869.D (-615) (-)

Ion 43.05 (42.75 to 43.75): VU041869.D (-615) (-)

Ion 57.10 (56.80 to 57.80): VU041869.D (-615) (-)

3.38

400000

300000

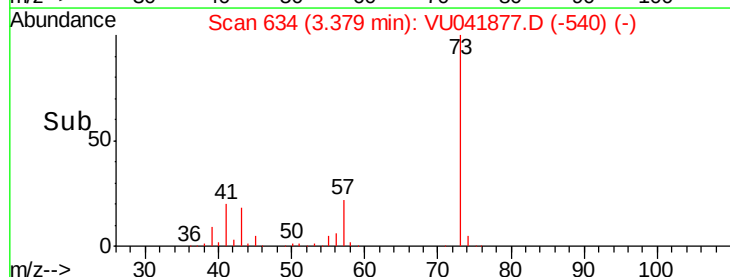
200000

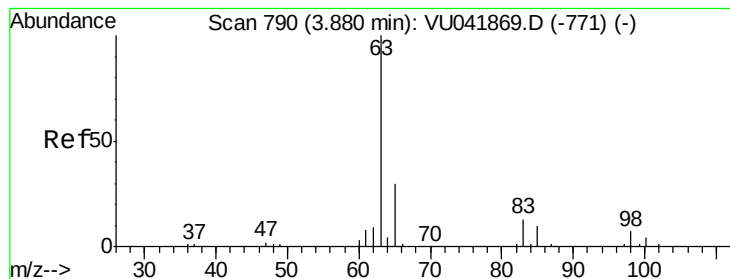
100000

0

3.30 3.40 3.50

Time-->





#19

1,1-Dichloroethane

Concen: 0.145 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.01 min

Lab File: VU041877.D

Acq: 07 Jan 2021 17:05

Instrument :

MSVOA_U

ClientSampleId :

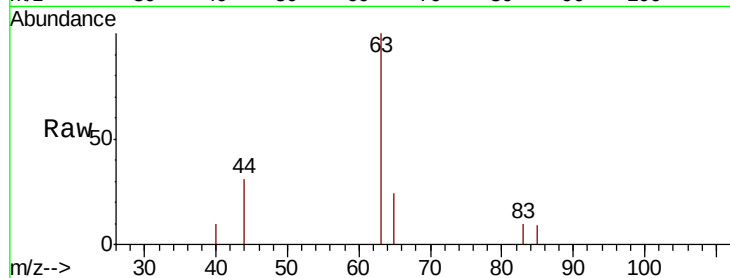
Tot Ion: 63 Resp: 2802

Ion Ratio Lower Upper

63 100

65 24.4 21.3 39.6

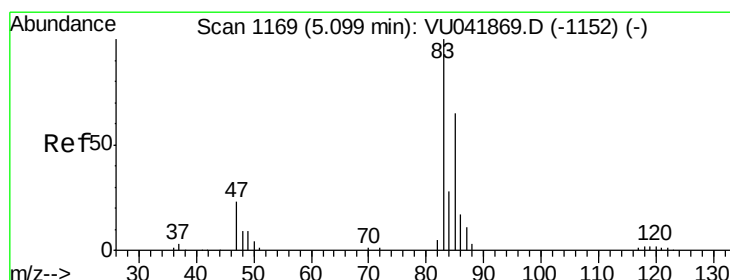
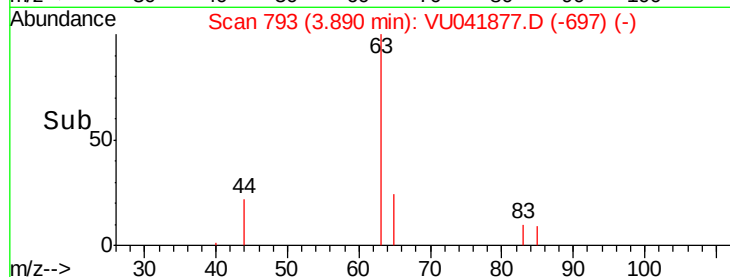
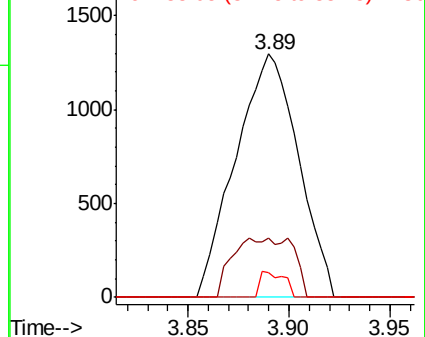
83 10.0 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#25

Chloroform

Concen: 0.118 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VU041877.D

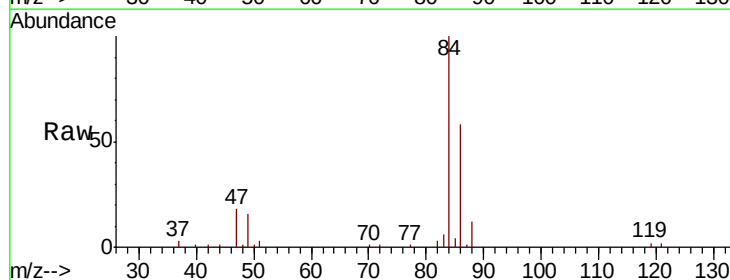
Acq: 07 Jan 2021 17:05

Tgt Ion: 83 Resp: 2305

Ion Ratio Lower Upper

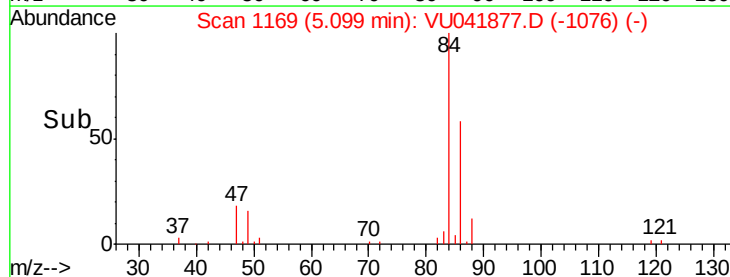
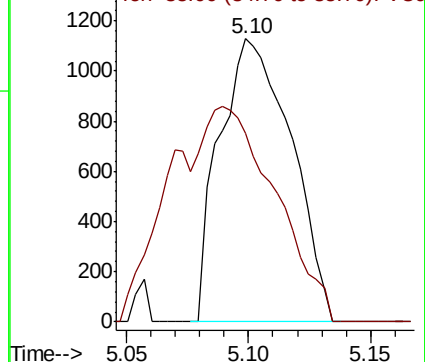
83 100

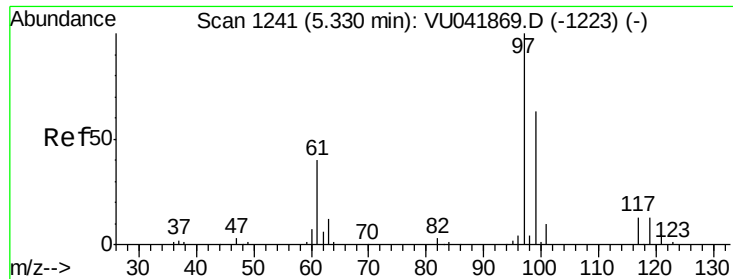
85 66.5 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

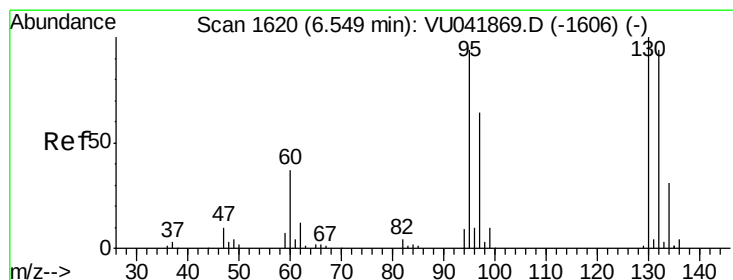
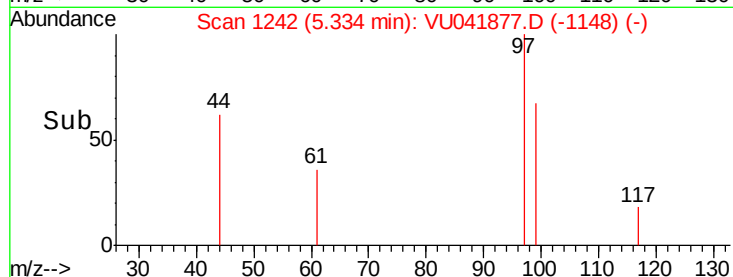
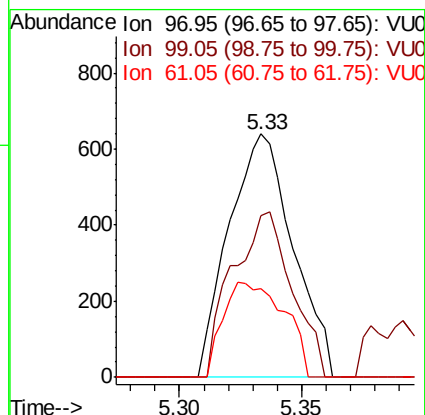
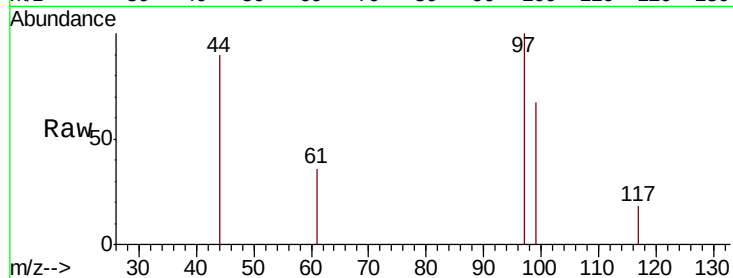




#29
1,1,1-Trichloroethane
Concen: 0.079 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041877.D
Acq: 07 Jan 2021 17:05

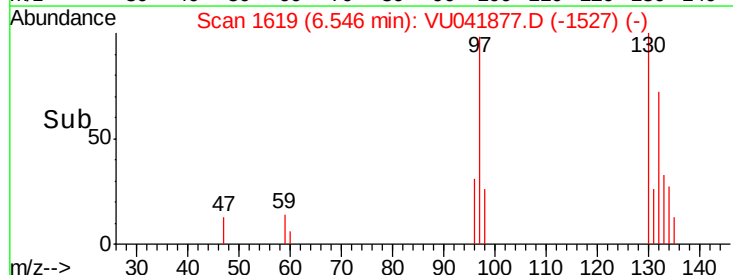
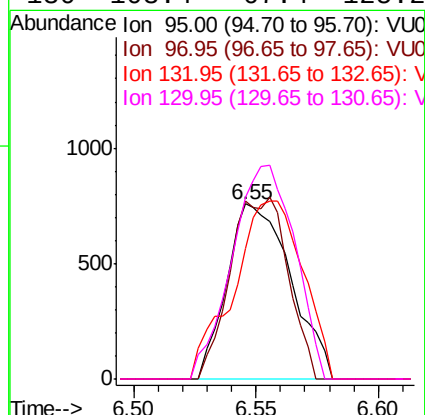
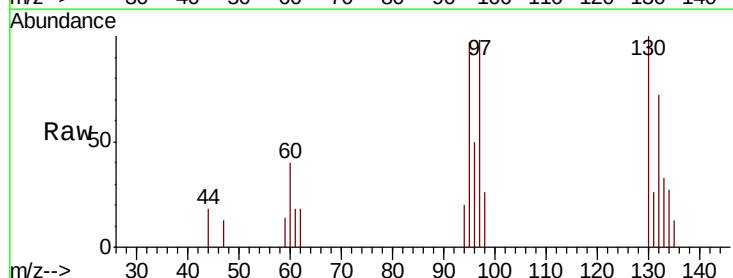
Instrument :
MSVOA_U
ClientSampleId :

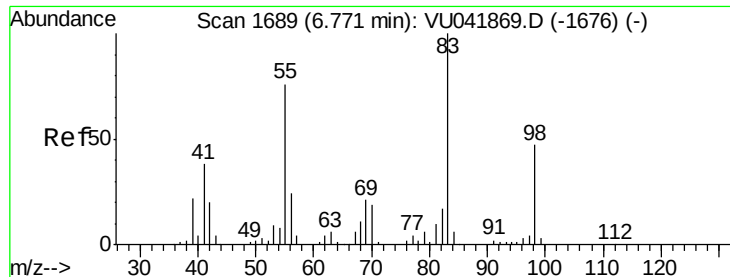
Tot Ion: 97 Resp: 1166
Ion Ratio Lower Upper
97 100
99 63.2 51.3 76.9
61 37.5 36.5 54.7



#34
Trichloroethene
Concen: 0.133 ug/L
RT: 6.55 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VU041877.D
Acq: 07 Jan 2021 17:05

Tgt Ion: 95 Resp: 1375
Ion Ratio Lower Upper
95 100
97 101.8 43.9 81.5#
132 74.8 63.1 117.3
130 103.4 67.4 125.2

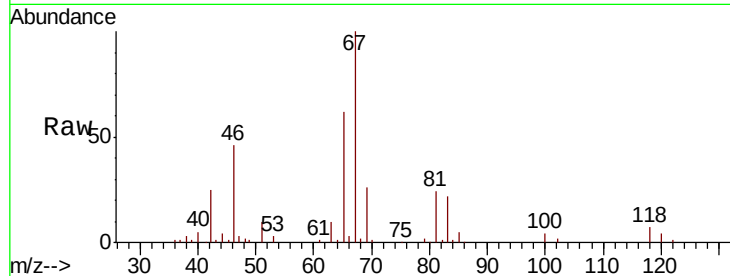




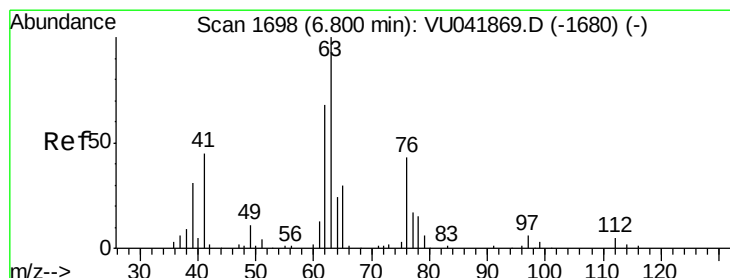
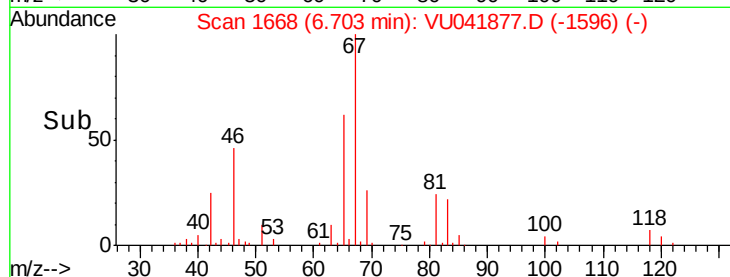
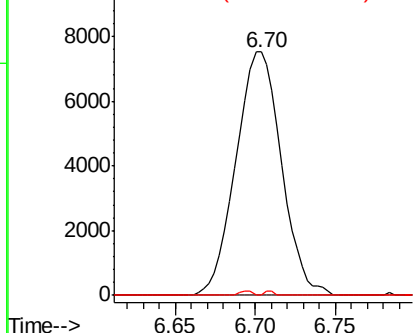
#35
Methylvlcyclohexane
Concen: 0.876 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041877.D
Acq: 07 Jan 2021 17:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 14603
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.3 36.6 54.8#

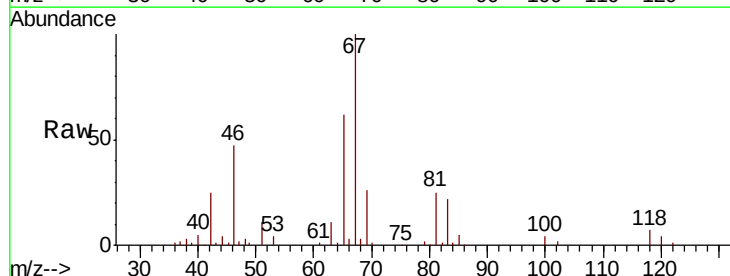


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

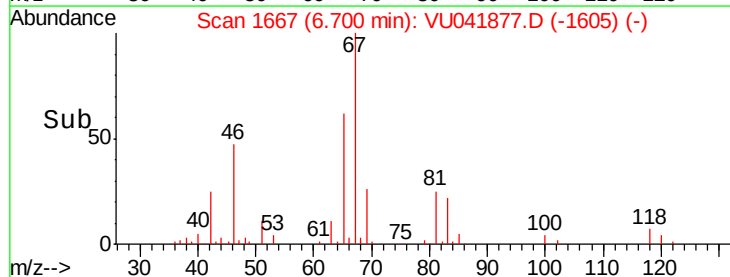
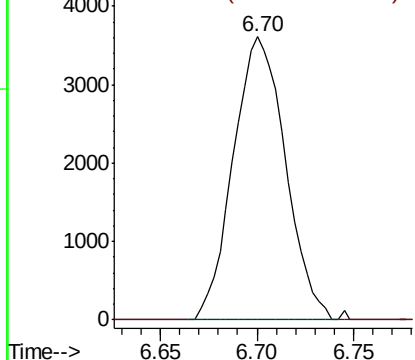


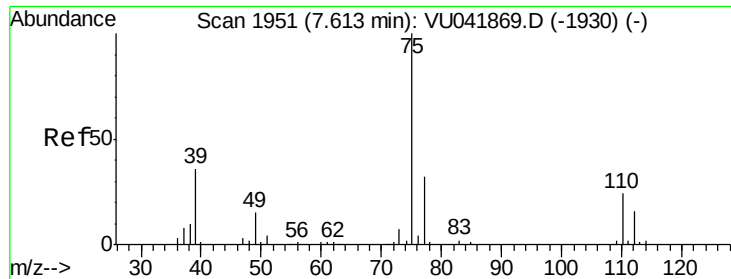
#37
1,2-Dichloropropane
Concen: 0.644 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041877.D
Acq: 07 Jan 2021 17:05

Tgt Ion: 63 Resp: 6764
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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

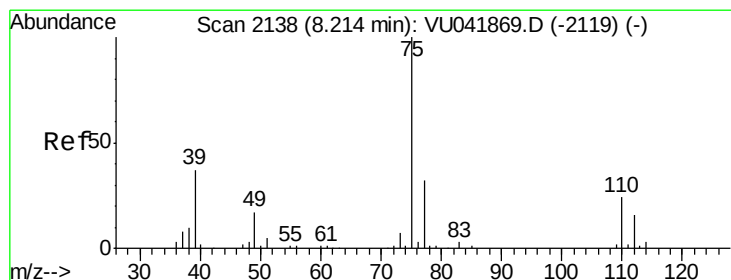
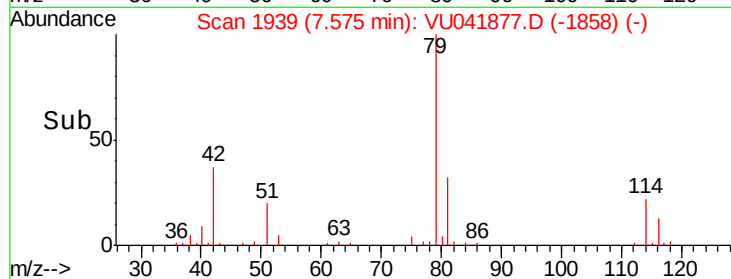
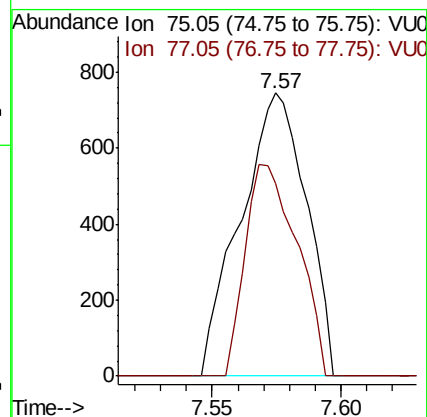
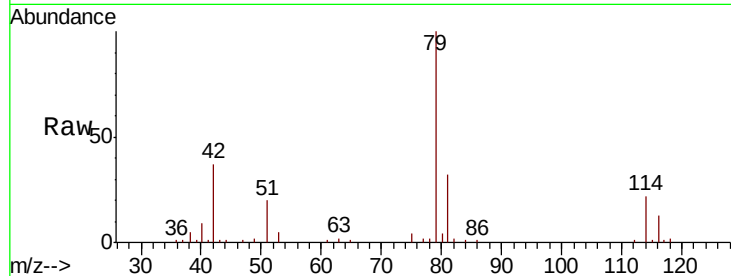




#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041877.D
 Acq: 07 Jan 2021 17:05

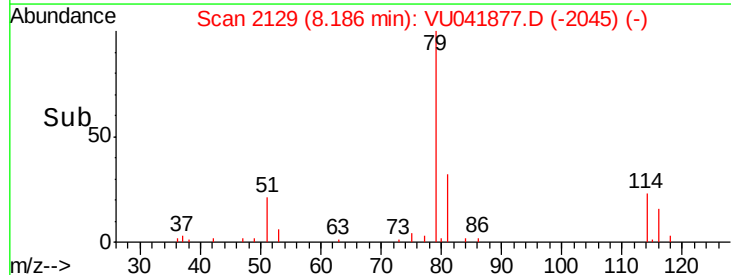
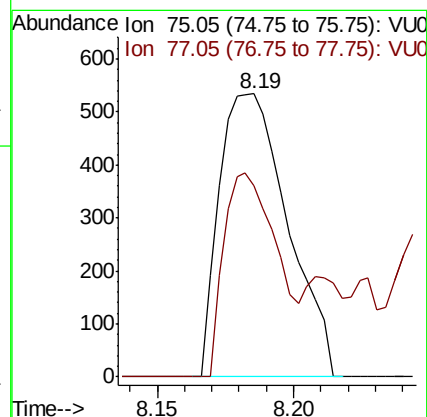
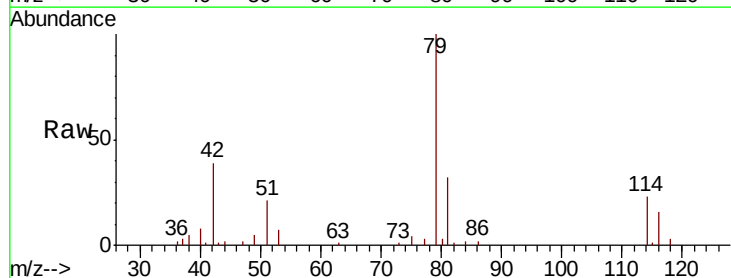
Instrument :
 MSVOA_U
 ClientSampleId :

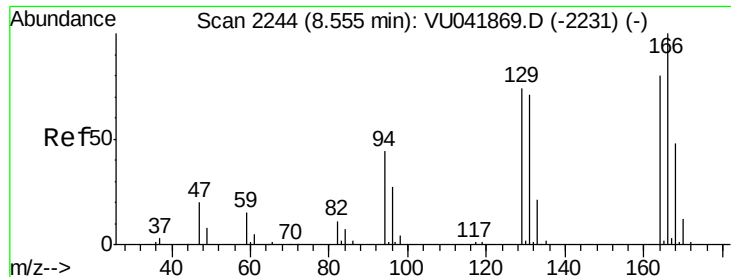
Tot Ion: 75 Resp: 1325
 Ion Ratio Lower Upper
 75 100
 77 67.9 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.067 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041877.D
 Acq: 07 Jan 2021 17:05

Tgt Ion: 75 Resp: 931
 Ion Ratio Lower Upper
 75 100
 77 67.8 23.8 44.2#

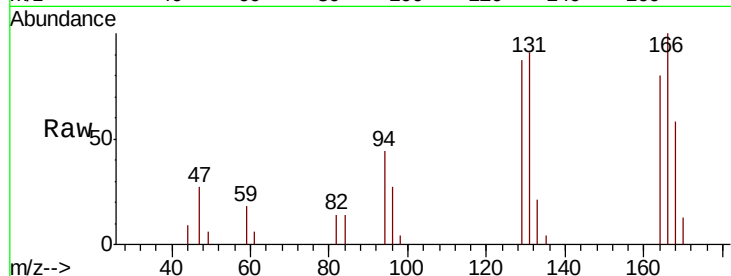




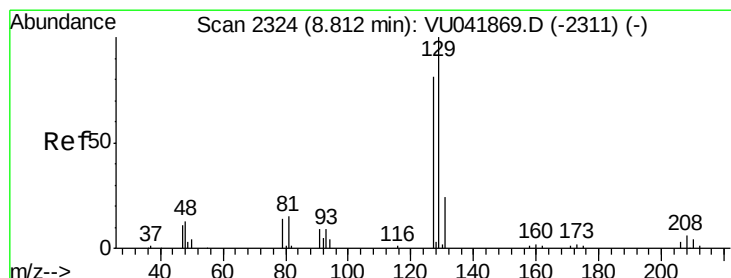
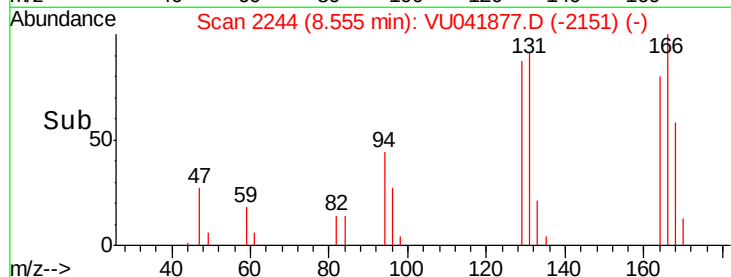
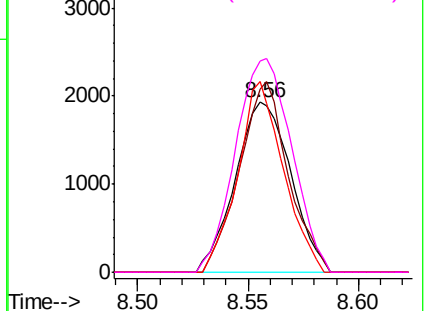
#47
Tetrachloroethene
Concen: 0.469 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041877.D
Acq: 07 Jan 2021 17:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 3385
Ion Ratio Lower Upper
164 100
129 107.6 72.2 134.0
131 112.5 66.9 124.3
166 124.3 89.6 166.4

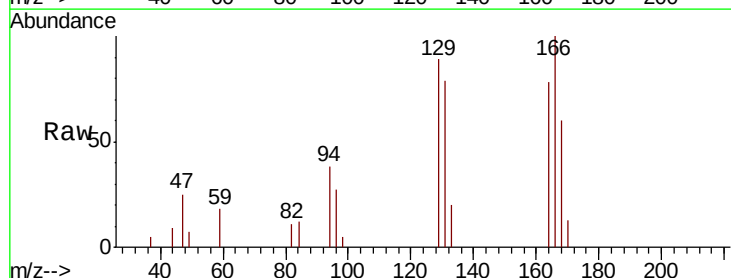


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

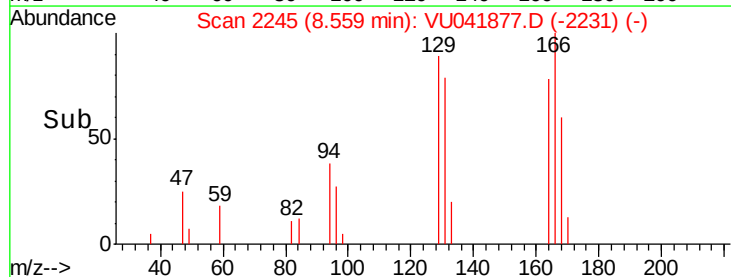
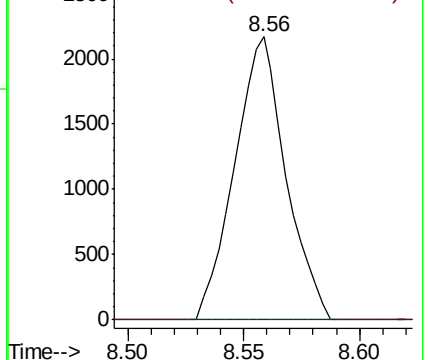


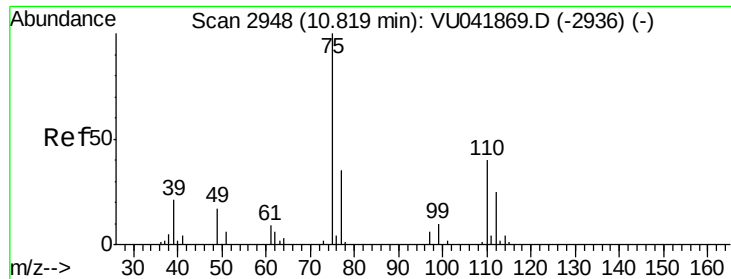
#49
Dibromochloromethane
Concen: 0.373 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041877.D
Acq: 07 Jan 2021 17:05

Tgt Ion:129 Resp: 3330
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

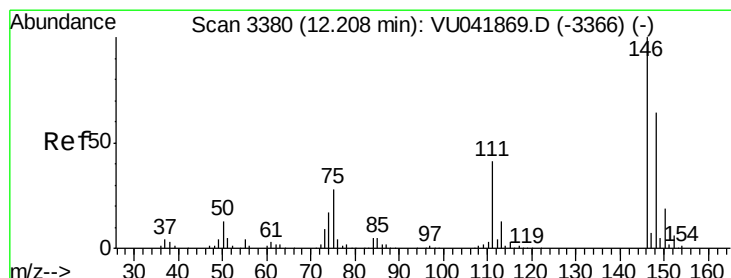
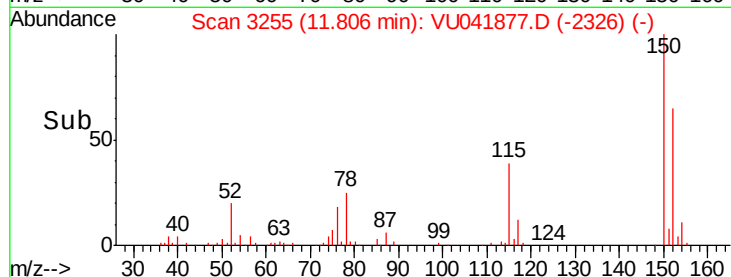
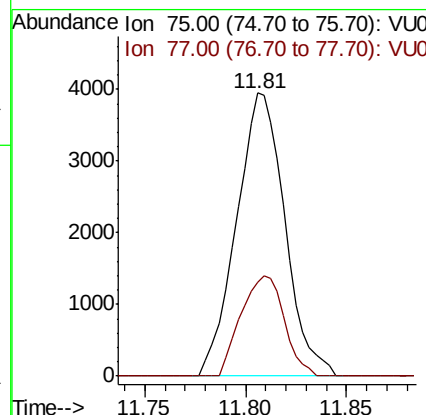
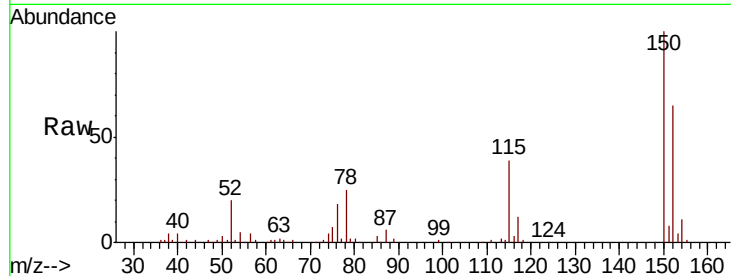




#59
 1,2,3-Trichloropropane
 Concen: 0.840 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.99 min
 Lab File: VU041877.D
 Acq: 07 Jan 2021 17:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 6623
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.2



#65
 1,2-Dichlorobenzene
 Concen: 0.065 ug/L
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.01 min
 Lab File: VU041877.D
 Acq: 07 Jan 2021 17:05

Tgt Ion: 146 Resp: 1086
 Ion Ratio Lower Upper
 146 100
 111 69.8 35.0 52.6#
 148 43.4 51.0 76.6#

