

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041881.D
 Acq On : 07 Jan 2021 18:40
 Operator : SY/MD
 Sample : M1026-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 05:01:12 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	136769	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	134487	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56293	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41941	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.92	69	45415	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.58	63	64546	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.66	46	180233	58.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.36%
24) Chloroform-d	5.08	84	102084	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
26) 1,2-Dichloroethane-d4	5.72	65	57806	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.74	84	197464	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.70	67	65116	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.90	98	152851	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.19	79	25107	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.64	63	154437	52.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	58888	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	61618	6.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.20%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	7448	0.643	ug/L	98
3) Chloromethane	1.52	50	808	0.072	ug/L	92
9) Trichlorofluoromethane	2.15	101	2466	0.157	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	731	0.078	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	653	0.070	ug/L #	1
13) Acetone	2.66	43	3528	1.806	ug/L	63
16) Methylene chloride	3.06	84	1330	0.120	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	42606	1.721	ug/L	99
19) 1,1-Dichloroethane	3.89	63	3557	0.198	ug/L	87
22) cis-1,2-Dichloroethene	4.68	96	948	0.089	ug/L	95
25) Chloroform	5.11	83	15583	0.863	ug/L	91
29) 1,1,1-Trichloroethane	5.33	97	1801	0.117	ug/L #	89
34) Trichloroethene	6.55	95	13595	1.258	ug/L	98
35) Methylcyclohexane	6.70	83	15106	0.865	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6314	0.574	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1397	0.086	ug/L #	68
44) trans-1,3-Dichloropropene	8.18	75	912	0.063	ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

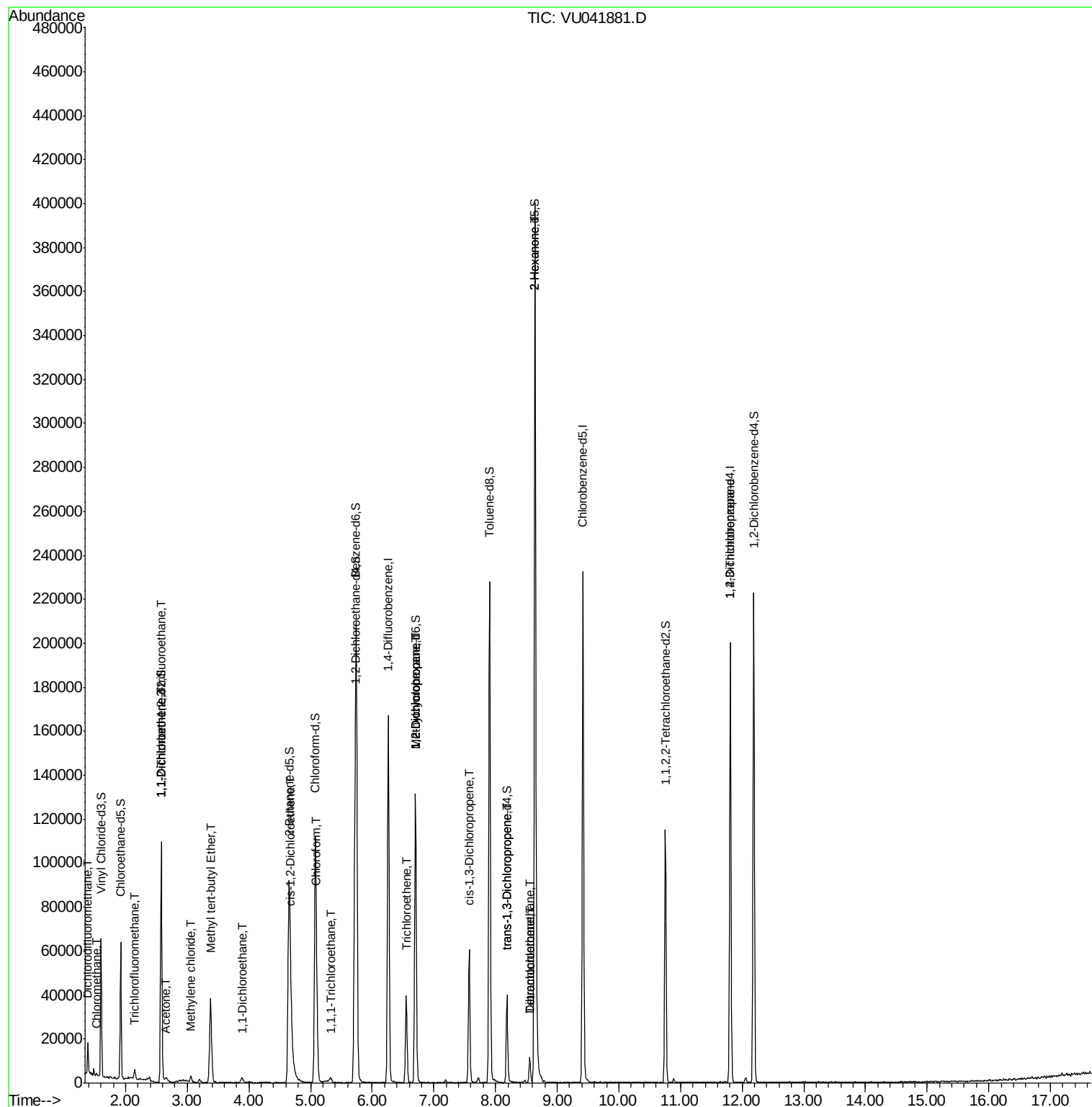
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.56	164	2779	0.367	ug/L	90
48) 2-Hexanone	8.64	43	17745	3.115	ug/L #	70
49) Dibromochloromethane	8.56	129	2382	0.255	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6408	0.776	ug/L	95

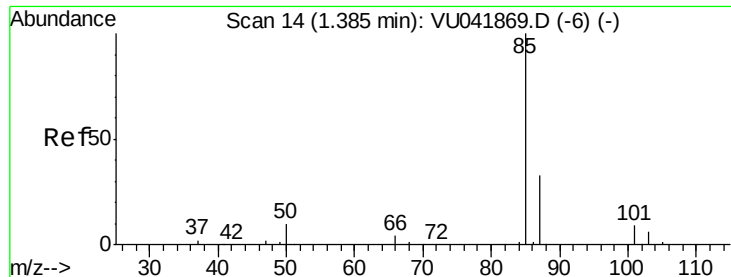
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.643 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041881.D

Acq: 07 Jan 2021 18:40

Instrument :

MSVOA_U

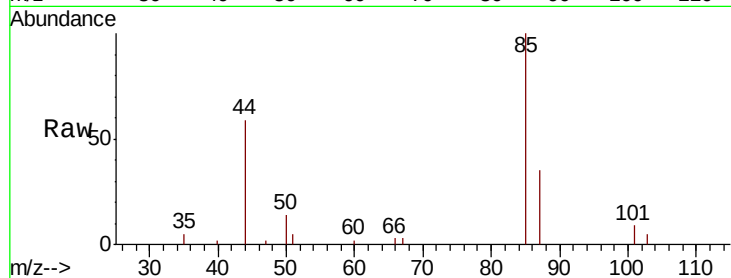
ClientSampleId :

Tot Ion: 85 Resp: 7448

Ion Ratio Lower Upper

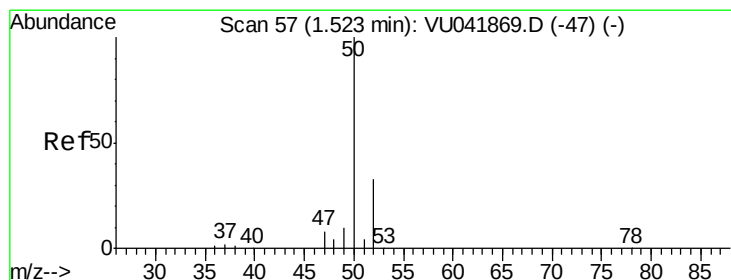
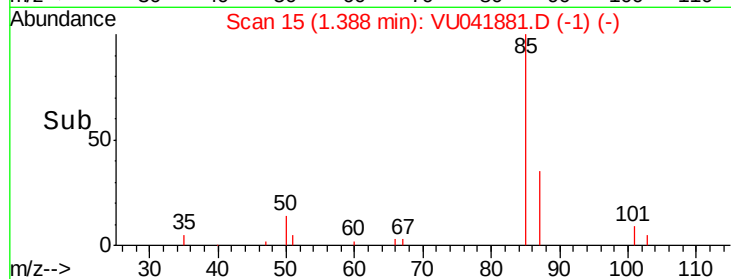
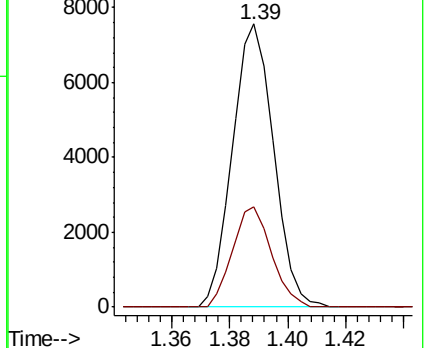
85 100

87 33.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.072 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041881.D

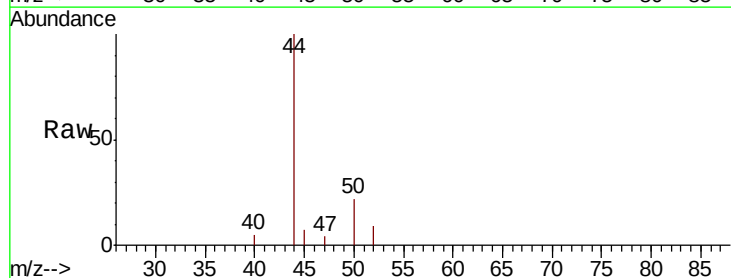
Acq: 07 Jan 2021 18:40

Tgt Ion: 50 Resp: 808

Ion Ratio Lower Upper

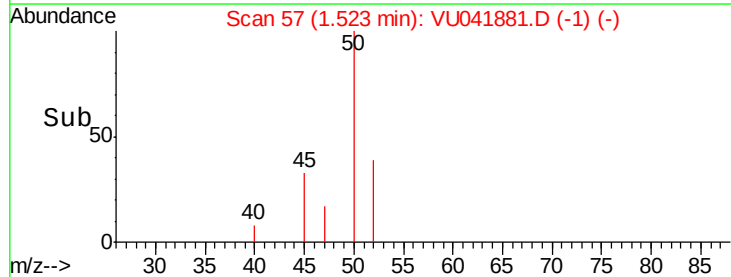
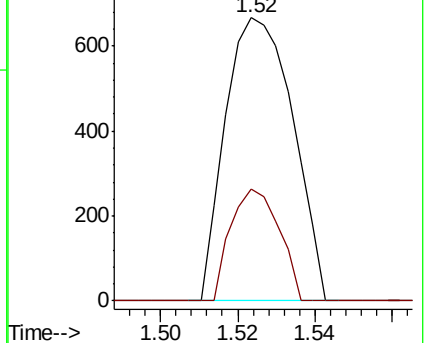
50 100

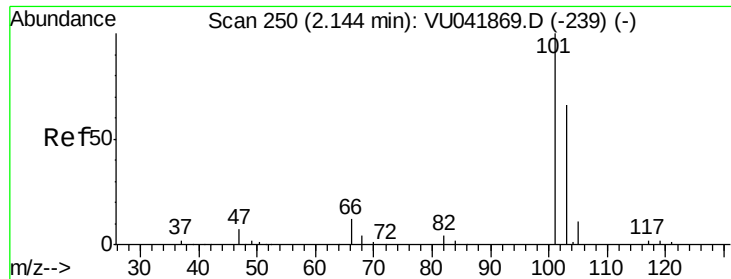
52 39.3 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



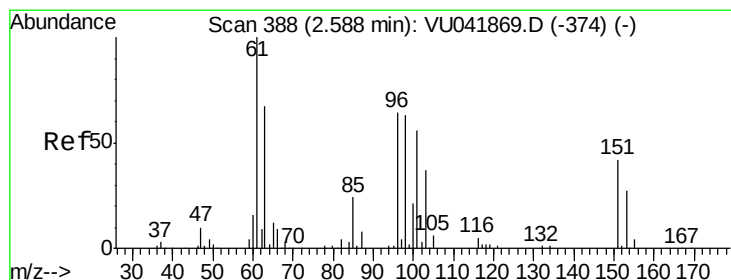
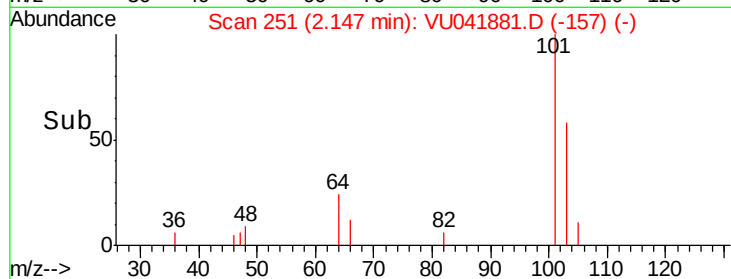
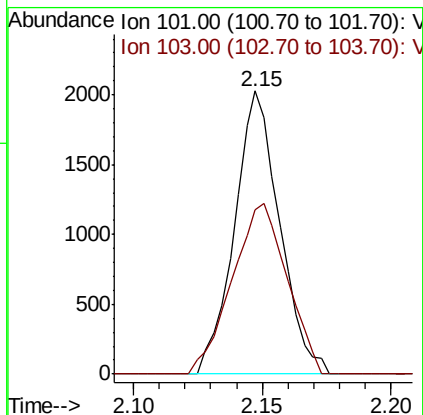
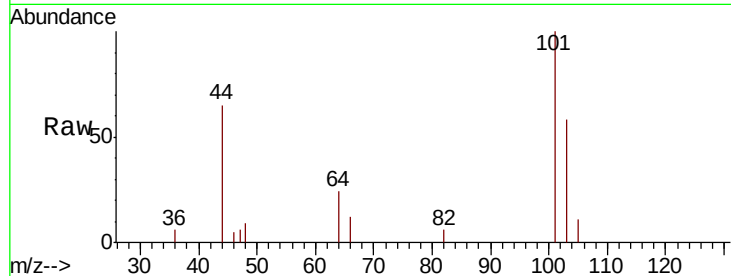


#9

Trichlorofluoromethane
Concen: 0.157 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041881.D
Acq: 07 Jan 2021 18:40

Instrument :
MSVOA_U
ClientSampleId :

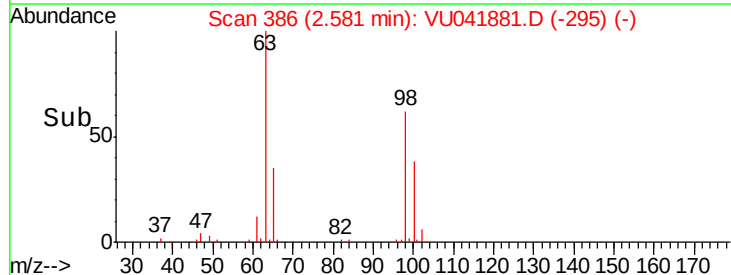
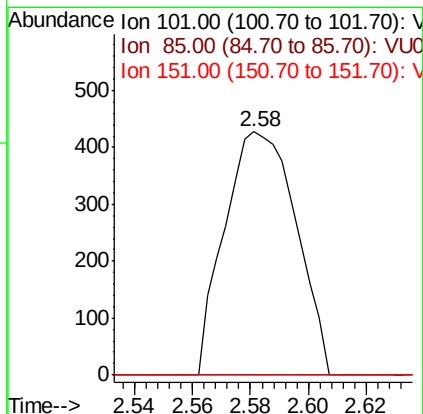
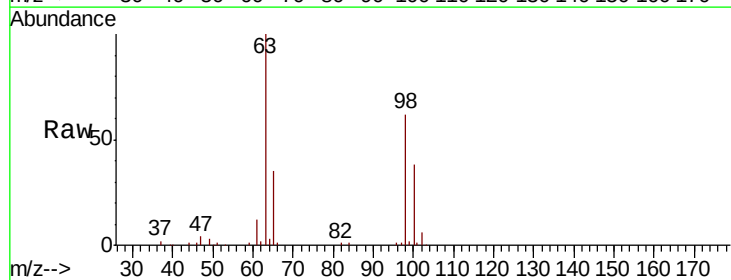
Tot Ion:101 Resp: 2466
Ion Ratio Lower Upper
101 100
103 73.4 51.1 76.7

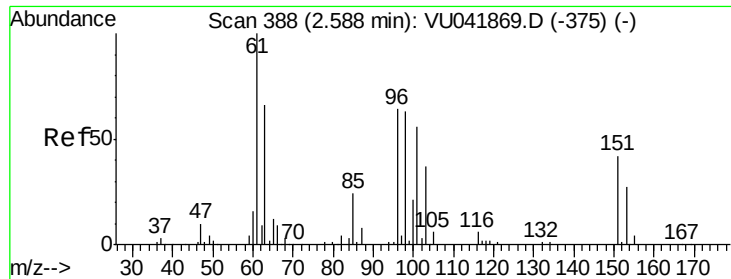


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.078 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041881.D
Acq: 07 Jan 2021 18:40

Tgt Ion:101 Resp: 731
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#

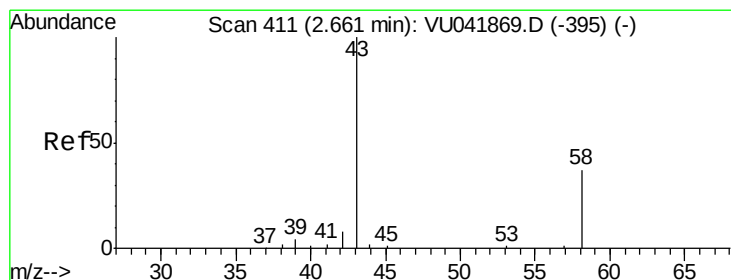
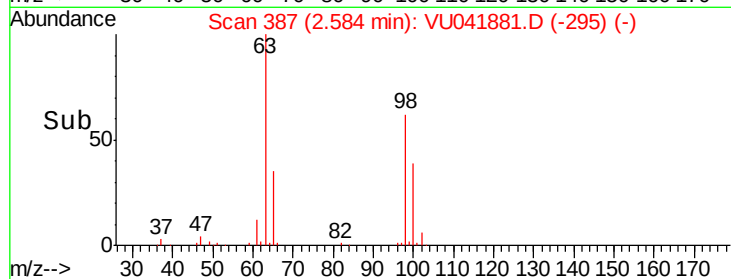
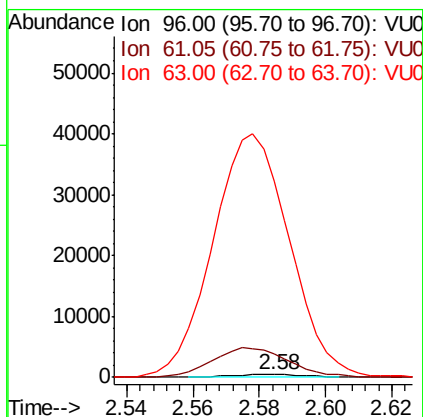
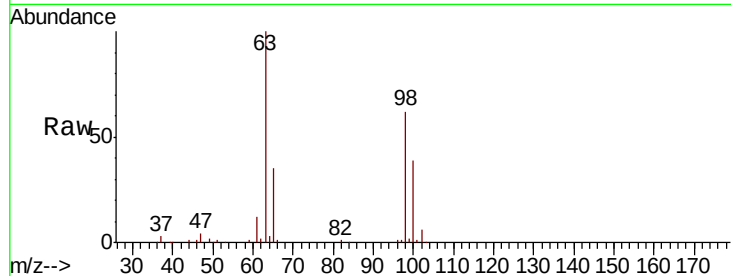




#12
 1,1-Dichloroethene
 Concen: 0.070 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VU041881.D
 Acq: 07 Jan 2021 18:40

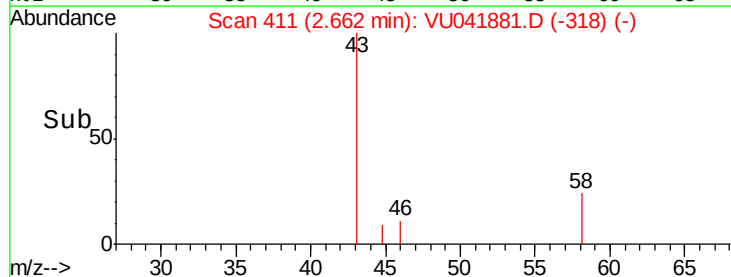
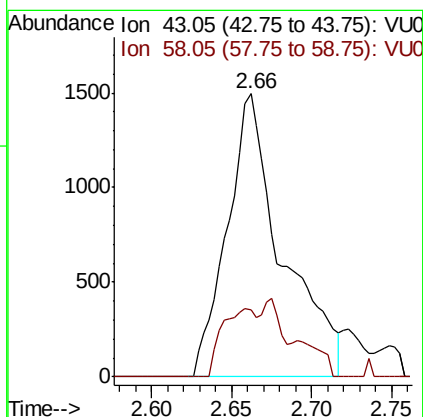
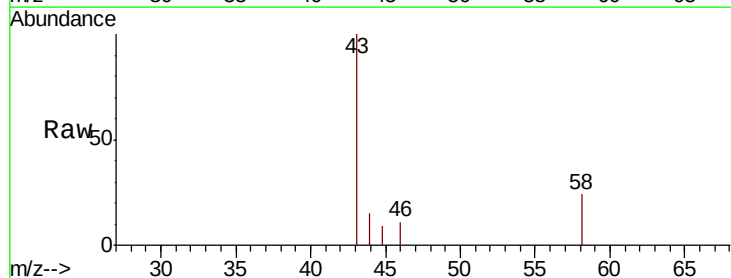
Instrument :
 MSVOA_U
 ClientSampled :

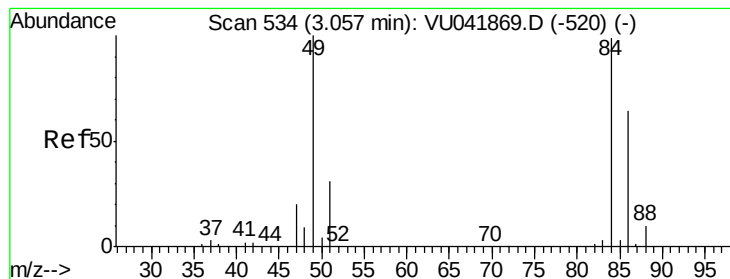
Tot Ion: 96 Resp: 653
 Ion Ratio Lower Upper
 96 100
 61 894.9 123.8 230.0#
 63 7529.0 81.0 150.4#



#13
 Acetone
 Concen: 1.806 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: VU041881.D
 Acq: 07 Jan 2021 18:40

Tgt Ion: 43 Resp: 3528
 Ion Ratio Lower Upper
 43 100
 58 14.7 0.0 73.2





#16

Methylene chloride

Concen: 0.120 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041881.D

Acq: 07 Jan 2021 18:40

Instrument :

MSVOA_U

ClientSampled :

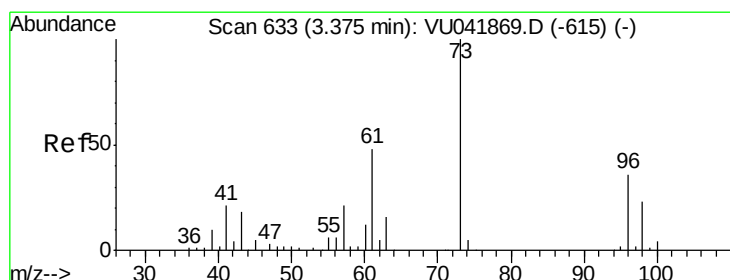
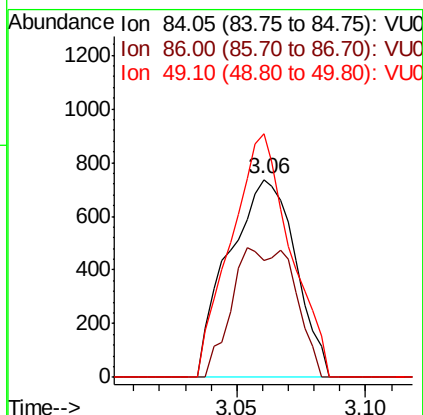
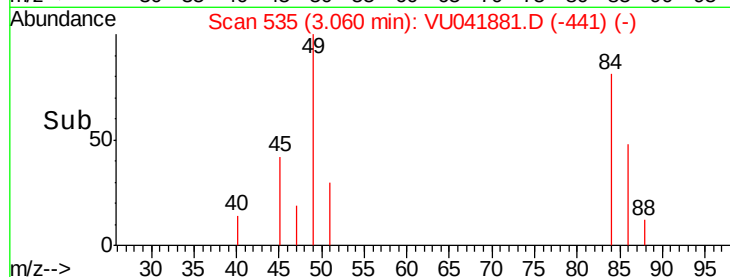
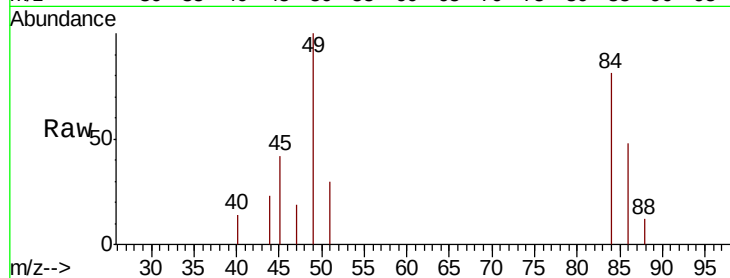
Tot Ion: 84 Resp: 1330

Ion Ratio Lower Upper

84 100

86 59.1 45.1 83.7

49 122.9 83.1 154.3



#17

Methyl tert-butyl Ether

Concen: 1.721 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041881.D

Acq: 07 Jan 2021 18:40

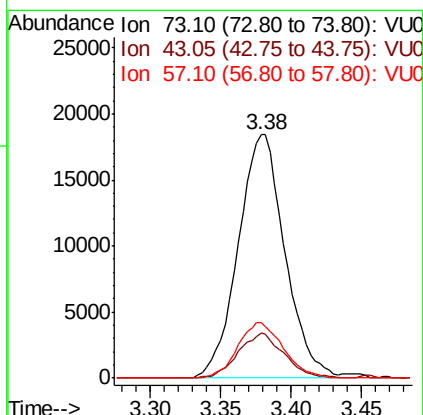
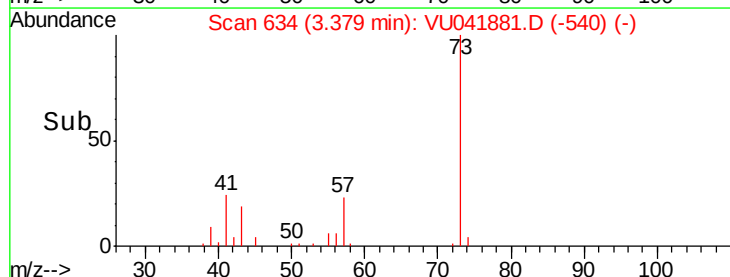
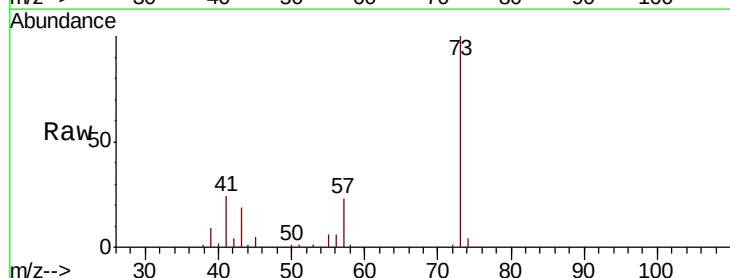
Tgt Ion: 73 Resp: 42606

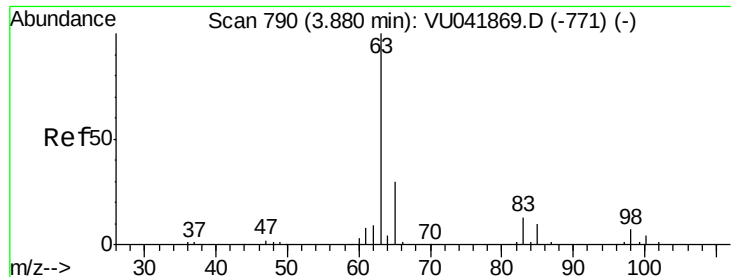
Ion Ratio Lower Upper

73 100

43 18.2 14.7 22.1

57 22.2 18.2 27.4

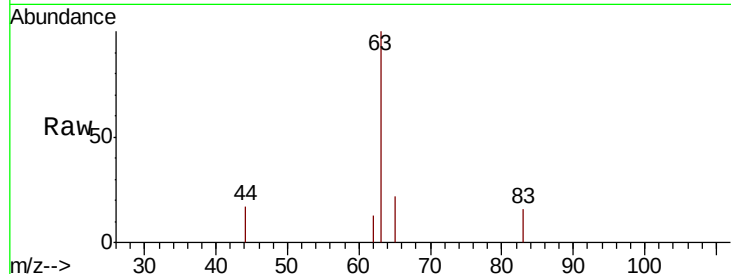




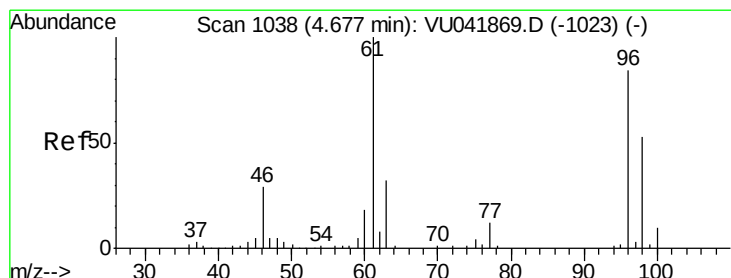
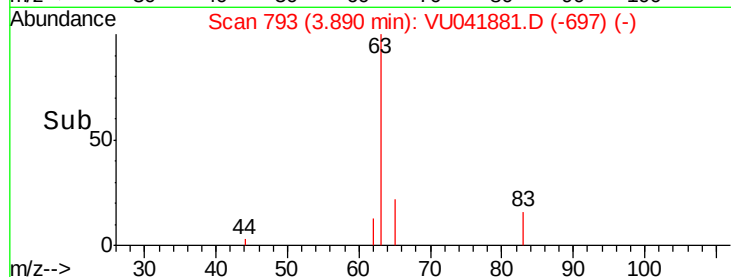
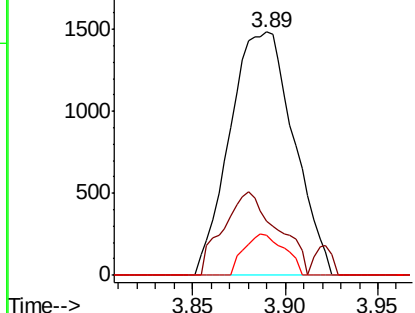
#19
 1,1-Dichloroethane
 Concen: 0.198 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VU041881.D
 Acq: 07 Jan 2021 18:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 3557
 Ion Ratio Lower Upper
 63 100
 65 22.4 21.3 39.6
 83 16.3 9.3 17.3

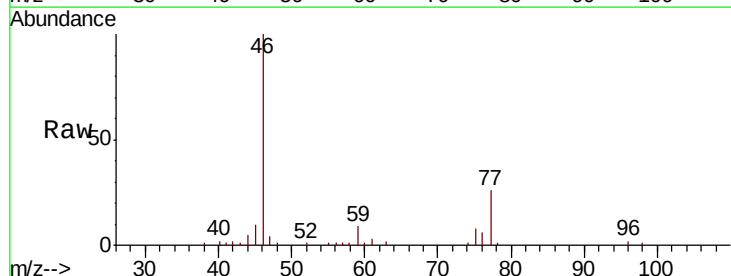


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

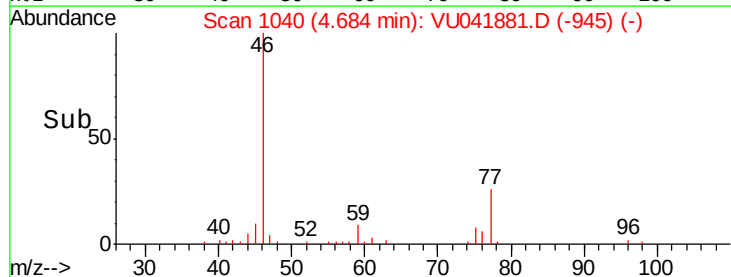
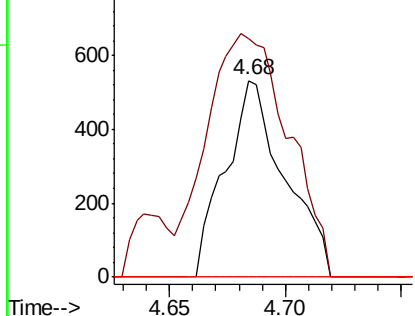


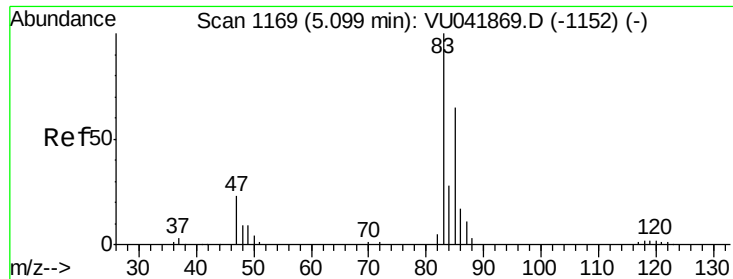
#22
 cis-1,2-Dichloroethene
 Concen: 0.089 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: VU041881.D
 Acq: 07 Jan 2021 18:40

Tgt Ion: 96 Resp: 948
 Ion Ratio Lower Upper
 96 100
 61 121.4 88.8 165.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

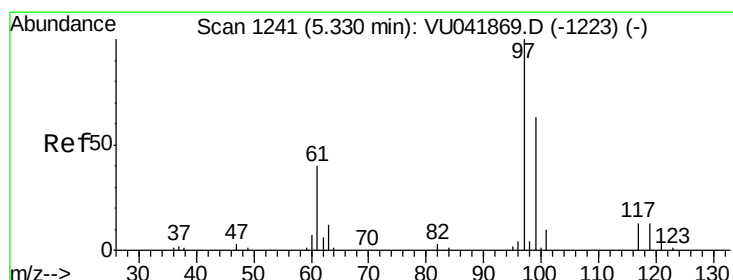
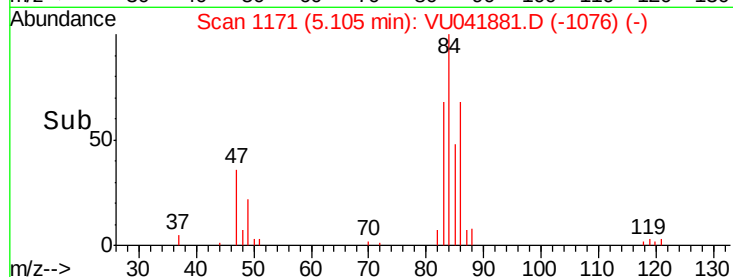
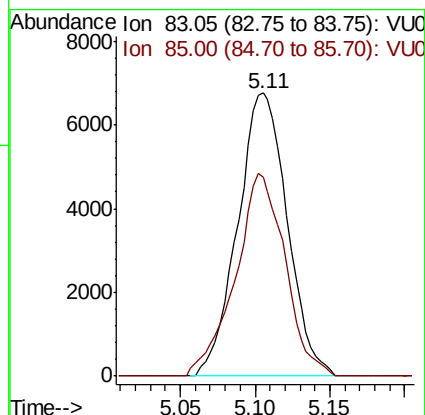
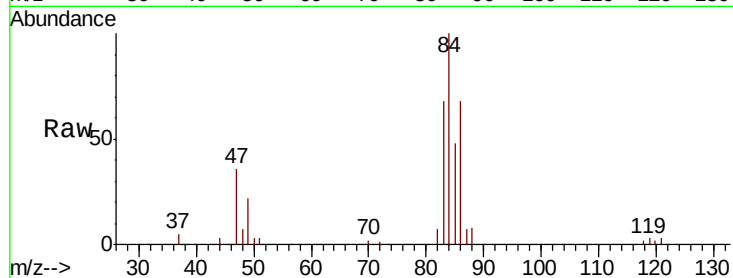




#25
Chloroform
Concen: 0.863 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VU041881.D
Acq: 07 Jan 2021 18:40

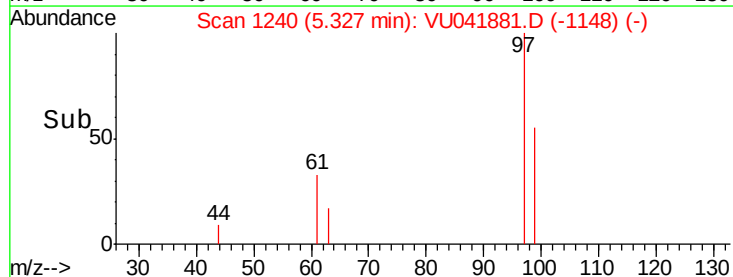
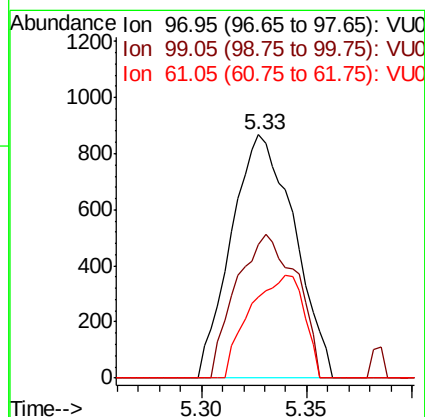
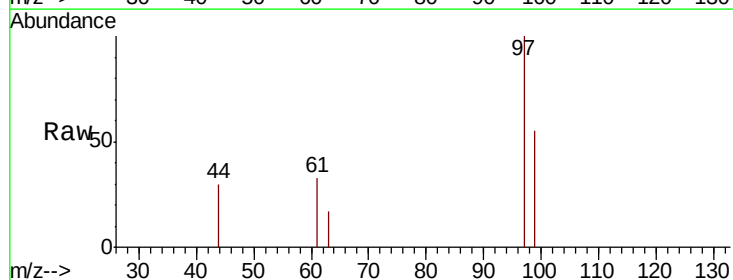
Instrument :
MSVOA_U
ClientSampleId :

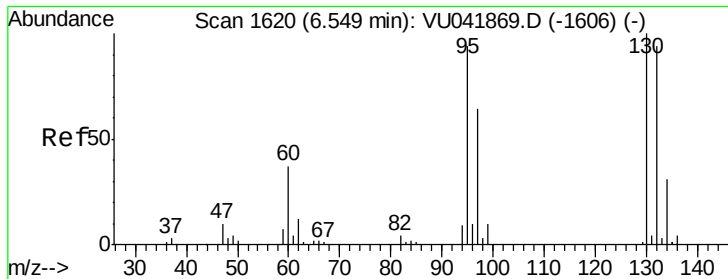
Tot Ion: 83 Resp: 15583
Ion Ratio Lower Upper
83 100
85 70.4 44.2 82.0



#29
1,1,1-Trichloroethane
Concen: 0.117 ug/L
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU041881.D
Acq: 07 Jan 2021 18:40

Tgt Ion: 97 Resp: 1801
Ion Ratio Lower Upper
97 100
99 56.7 51.3 76.9
61 36.3 36.5 54.7#

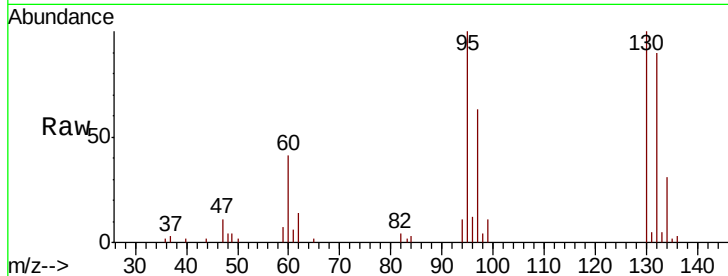




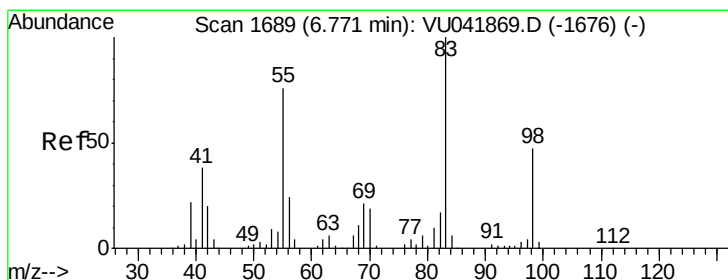
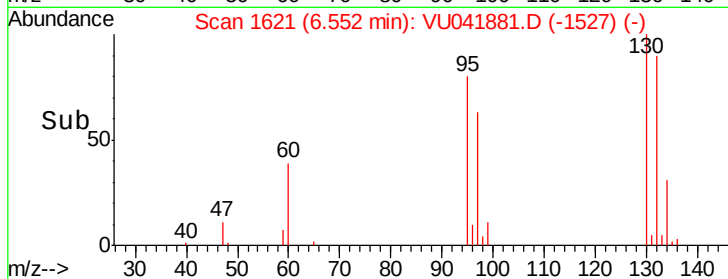
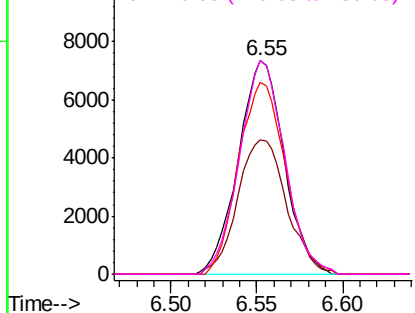
#34
 Trichloroethene
 Concen: 1.258 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041881.D
 Acq: 07 Jan 2021 18:40

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 13595
 Ion Ratio Lower Upper
 95 100
 97 63.1 43.9 81.5
 132 90.0 63.1 117.3
 130 100.0 67.4 125.2

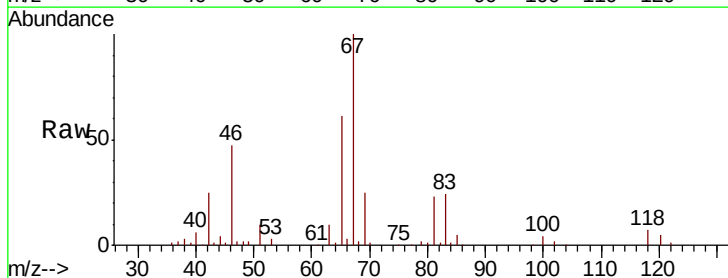


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

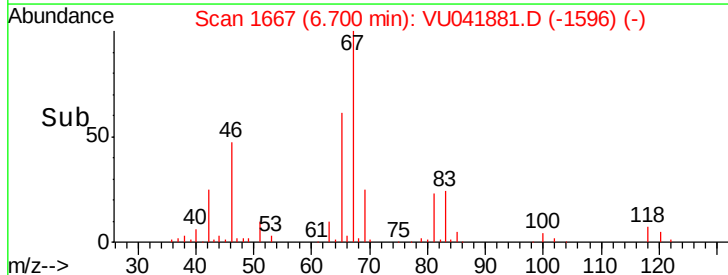
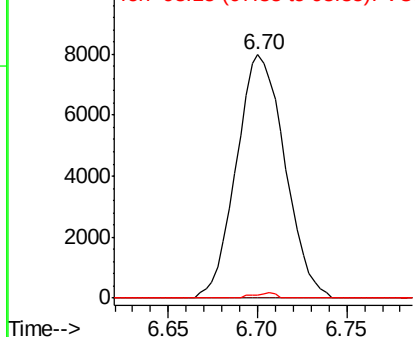


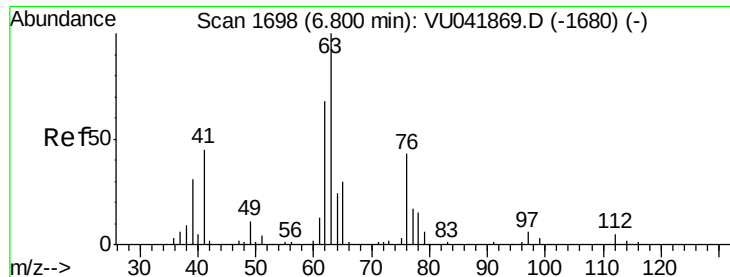
#35
 Methylcyclohexane
 Concen: 0.865 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041881.D
 Acq: 07 Jan 2021 18:40

Tgt Ion: 83 Resp: 15106
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 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

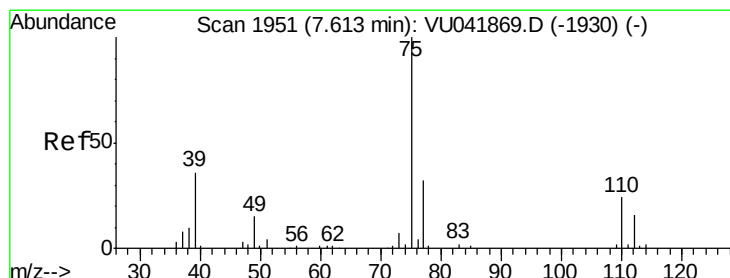
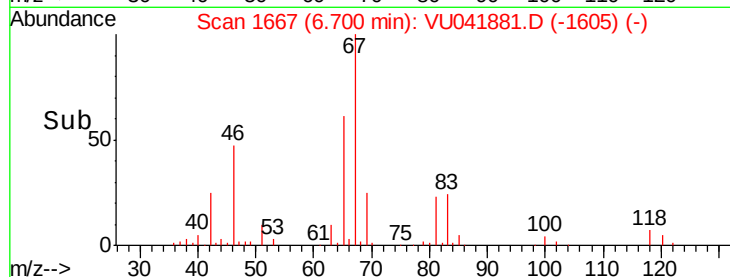
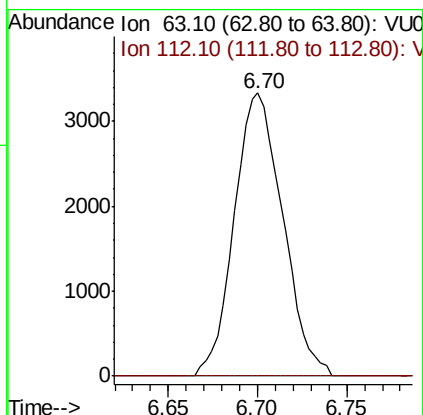
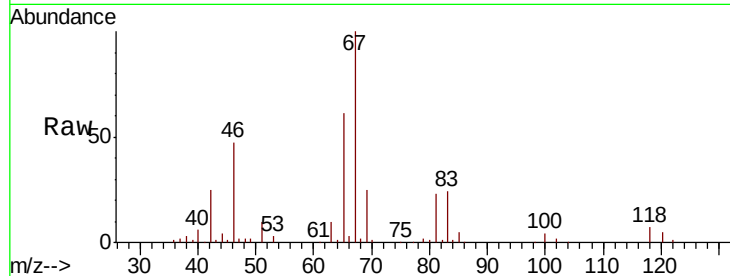




#37
 1,2-Dichloropropane
 Concen: 0.574 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041881.D
 Acq: 07 Jan 2021 18:40

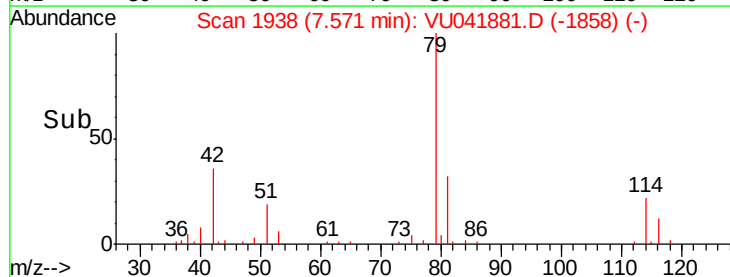
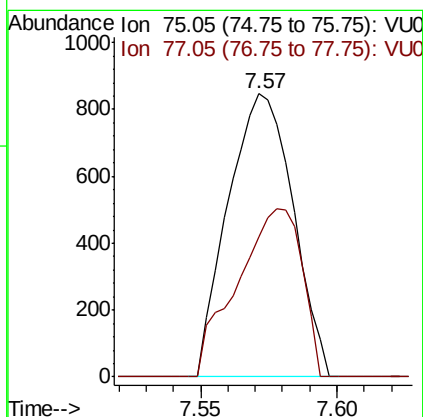
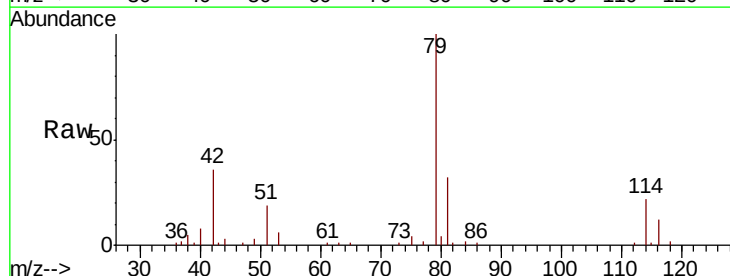
Instrument :
 MSVOA_U
 ClientSampleId :

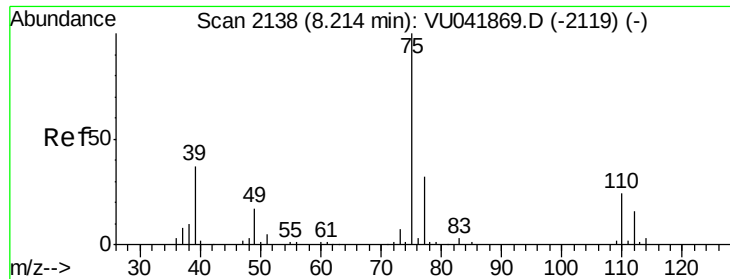
Tot Ion: 63 Resp: 6314
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041881.D
 Acq: 07 Jan 2021 18:40

Tgt Ion: 75 Resp: 1397
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.3 41.3#

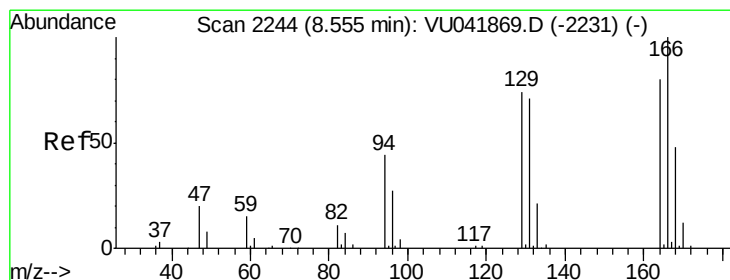
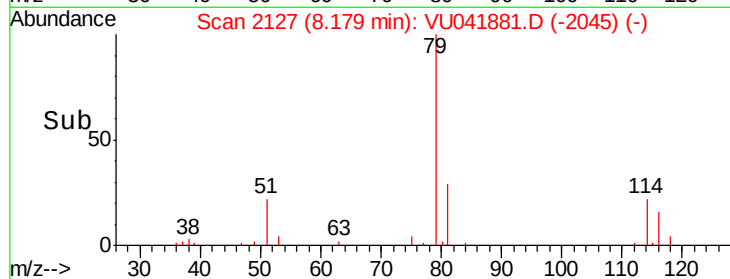
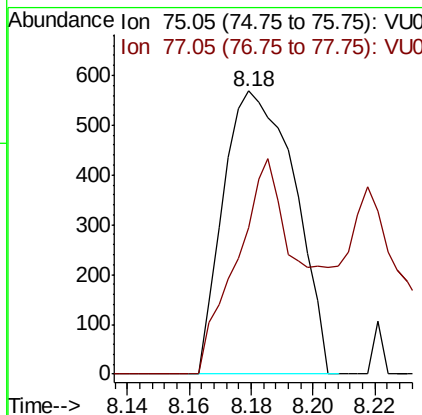
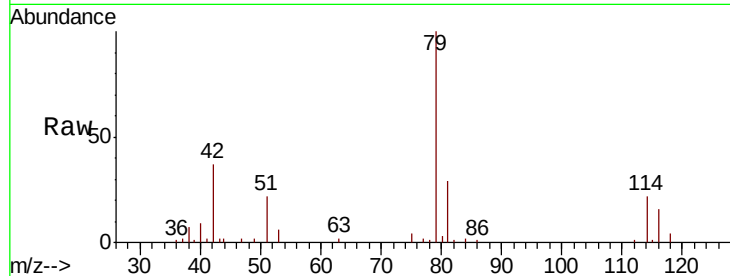




#44
trans-1,3-Dichloropropene
Concen: 0.063 ug/L
RT: 8.18 min Scan# 2127
Delta R.T. -0.04 min
Lab File: VU041881.D
Acq: 07 Jan 2021 18:40

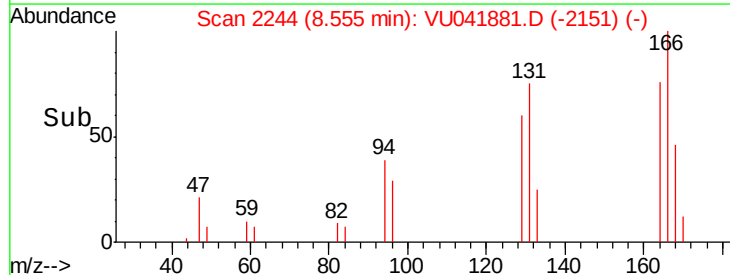
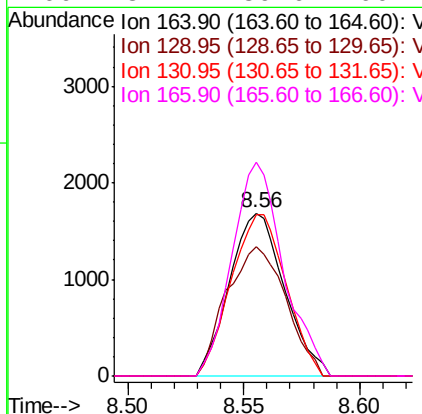
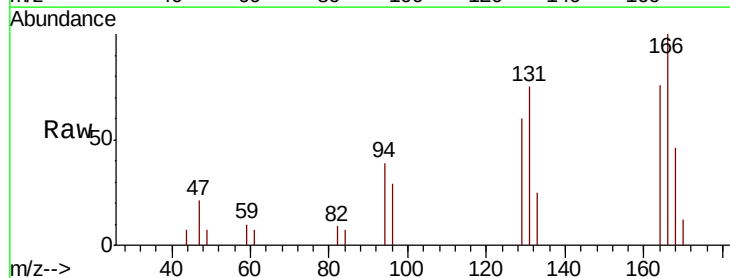
Instrument :
MSVOA_U
ClientSampleId :

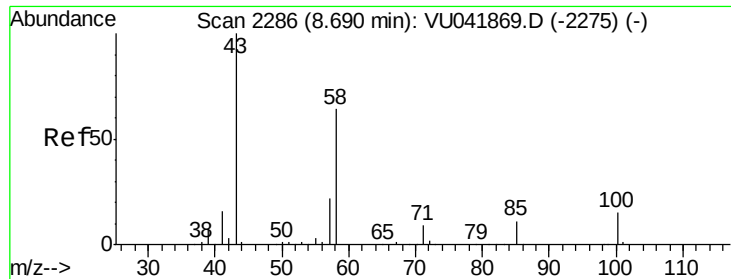
Tot Ion: 75 Resp: 912
Ion Ratio Lower Upper
75 100
77 51.6 23.8 44.2#



#47
Tetrachloroethene
Concen: 0.367 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041881.D
Acq: 07 Jan 2021 18:40

Tgt Ion:164 Resp: 2779
Ion Ratio Lower Upper
164 100
129 79.1 72.2 134.0
131 99.0 66.9 124.3
166 131.2 89.6 166.4





#48

2-Hexanone

Concen: 3.115 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041881.D

Acq: 07 Jan 2021 18:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 17745

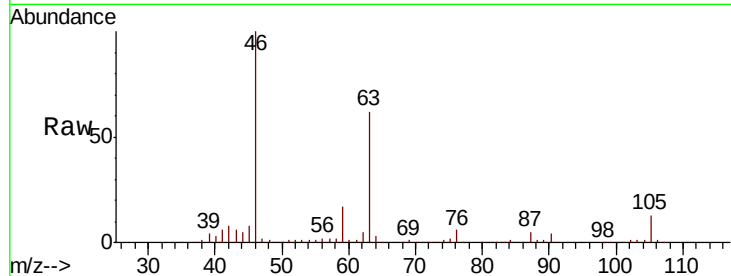
Ion Ratio Lower Upper

43 100

58 33.9 47.9 71.9#

57 30.7 16.5 24.7#

100 2.1 9.4 14.2#

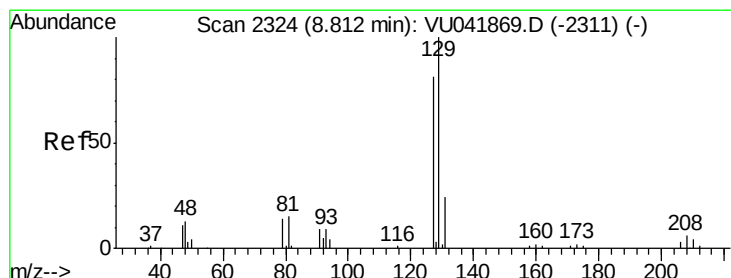
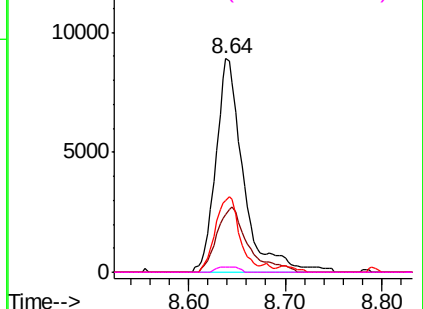
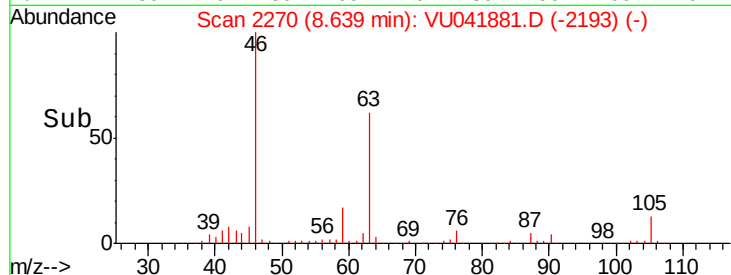


Abundance Ion 43.05 (42.75 to 43.75): VU041881.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041881.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041881.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041881.D (-2193) (-)



#49

Dibromochloromethane

Concen: 0.255 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041881.D

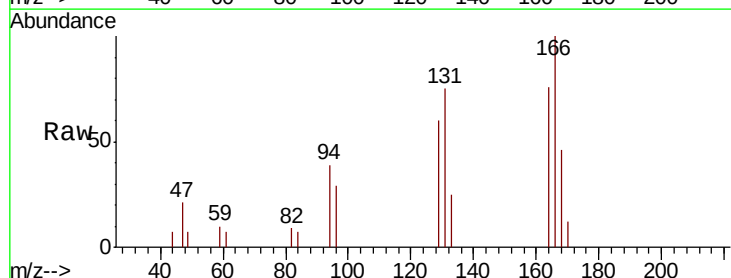
Acq: 07 Jan 2021 18:40

Tgt Ion: 129 Resp: 2382

Ion Ratio Lower Upper

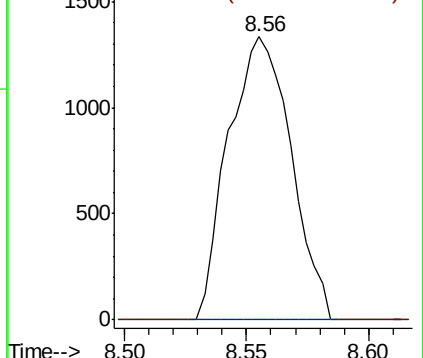
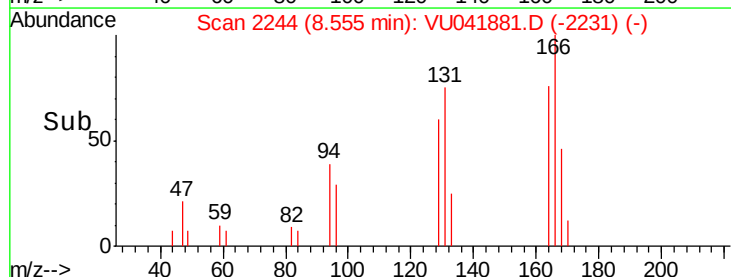
129 100

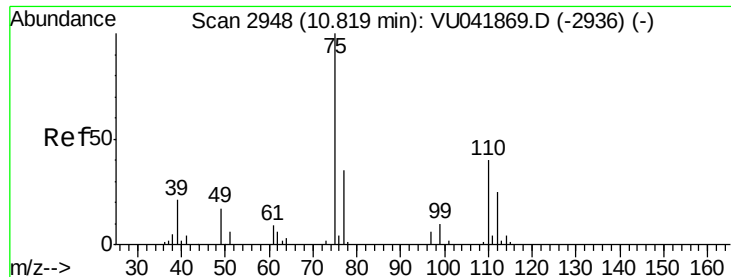
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): VU041881.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041881.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.776 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041881.D

Acq: 07 Jan 2021 18:40

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6408

Ion Ratio Lower Upper

75 100

77 30.1 26.2 39.2

