

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041882.D
 Acq On : 07 Jan 2021 19:04
 Operator : SY/MD
 Sample : M1026-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 05:01:24 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	139116	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	134753	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56312	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41660	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.92	69	44729	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.58	63	64208	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.65	46	174822	55.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.92%
24) Chloroform-d	5.08	84	103940	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.72	65	57380	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.74	84	194125	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	64706	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.90	98	156800	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.19	79	24000	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.64	63	147904	49.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56314	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	59609	5.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	554	0.048	ug/L	84
9) Trichlorofluoromethane	2.15	101	1900	0.119	ug/L	88
12) 1,1-Dichloroethene	2.58	96	655	0.069	ug/L #	1
13) Acetone	2.66	43	3781	1.903	ug/L	62
15) Methyl Acetate	2.99	43	573	0.111	ug/L #	51
16) Methylene chloride	3.06	84	1302	0.116	ug/L #	85
19) 1,1-Dichloroethane	3.88	63	935	0.051	ug/L #	51
25) Chloroform	5.11	83	8170	0.445	ug/L	86
34) Trichloroethene	6.55	95	5658	0.522	ug/L	94
35) Methylcyclohexane	6.70	83	15073	0.861	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6988	0.634	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1633	0.100	ug/L #	71
44) trans-1,3-Dichloropropene	8.19	75	792	0.054	ug/L #	39
47) Tetrachloroethene	8.56	164	1445	0.191	ug/L	86
48) 2-Hexanone	8.64	43	18723	3.280	ug/L #	65
49) Dibromochloromethane	8.56	129	1165	0.124	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5504	0.665	ug/L	91

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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

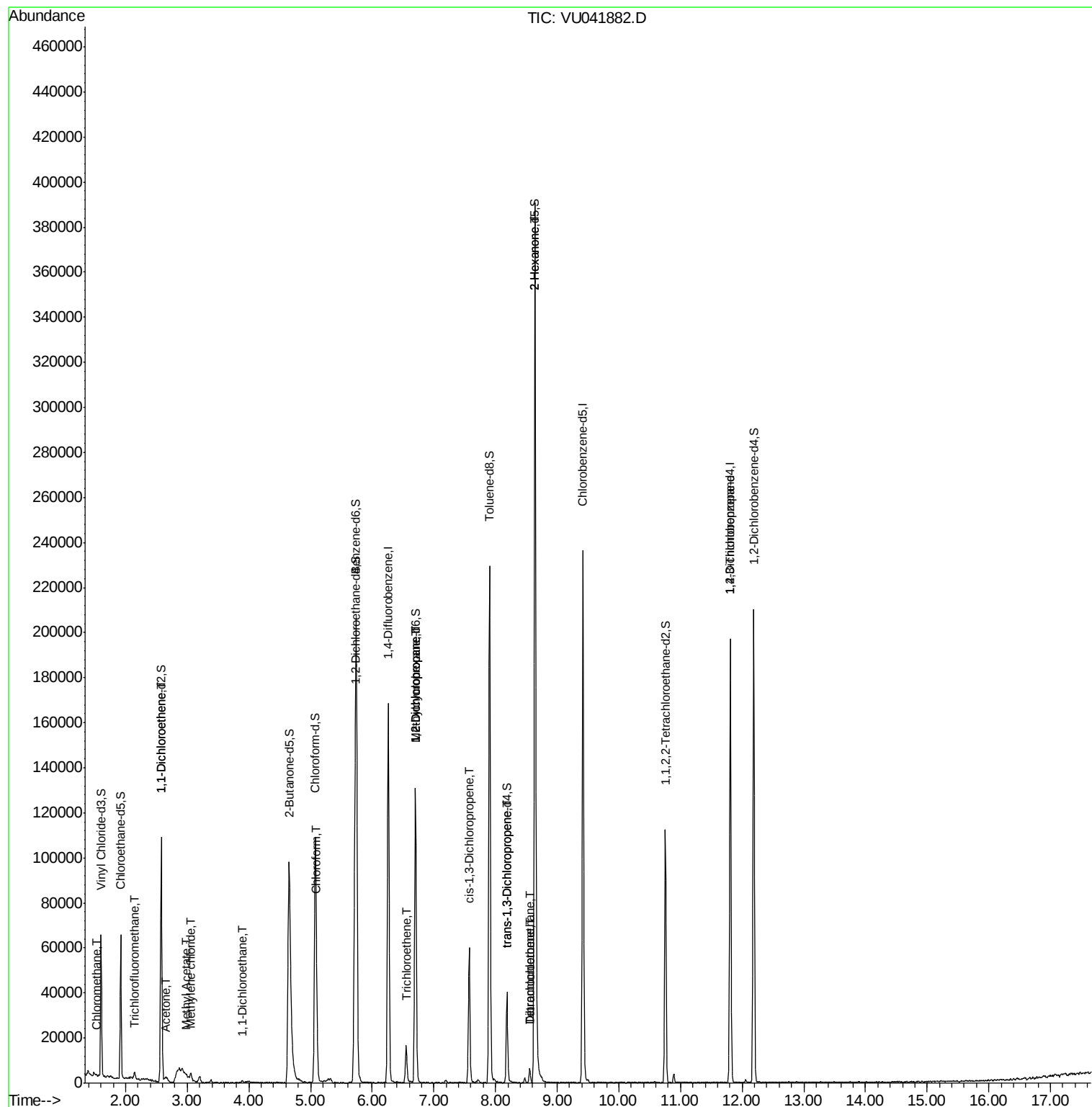
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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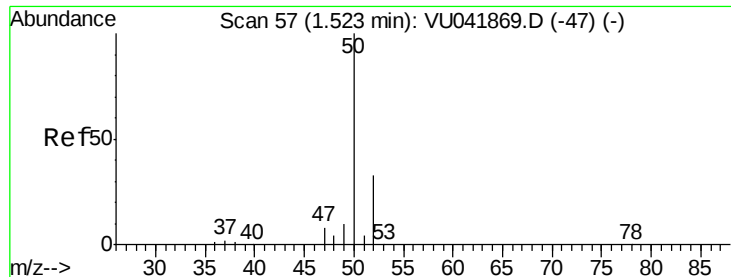
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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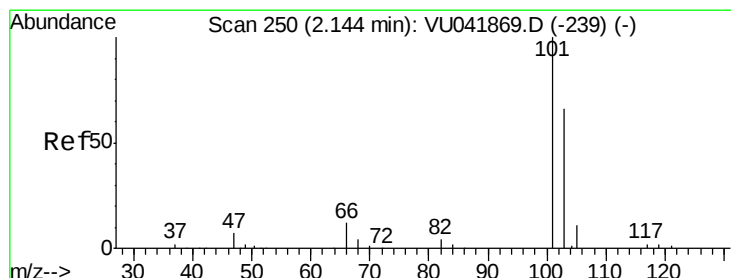
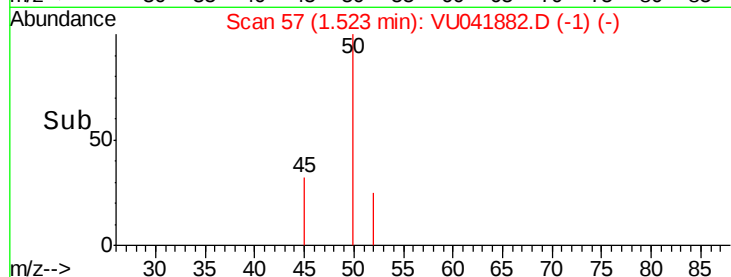
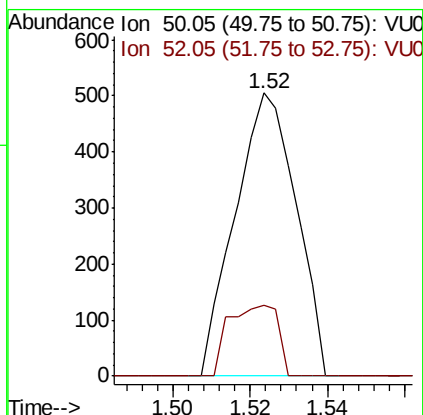
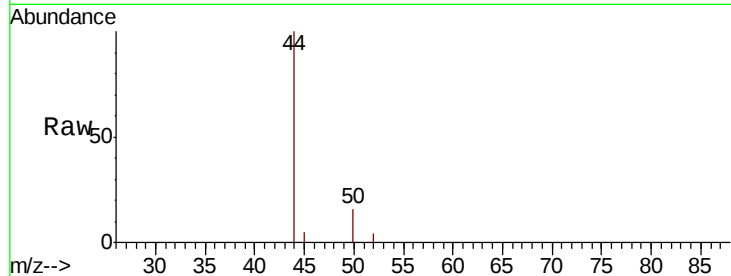




#3
Chloromethane
Concen: 0.048 ug/L
RT: 1.52 min Scan# 57
Delta R.T. 0.00 min
Lab File: VU041882.D
Acq: 07 Jan 2021 19:04

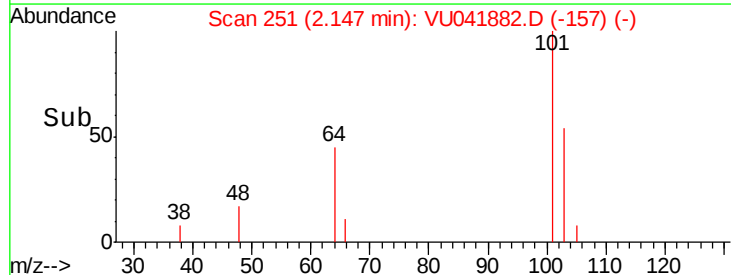
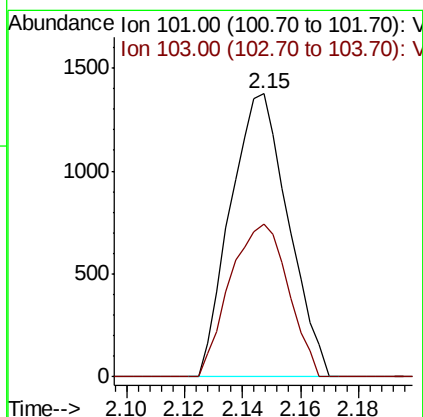
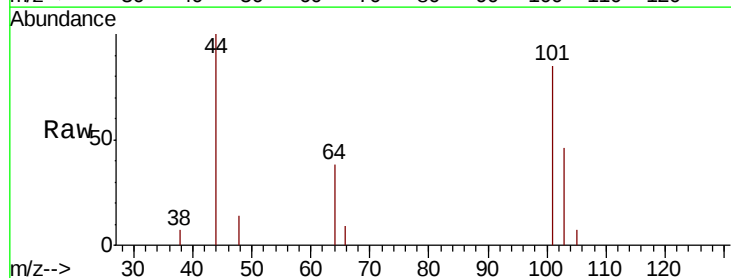
Instrument :
MSVOA_U
ClientSampleId :

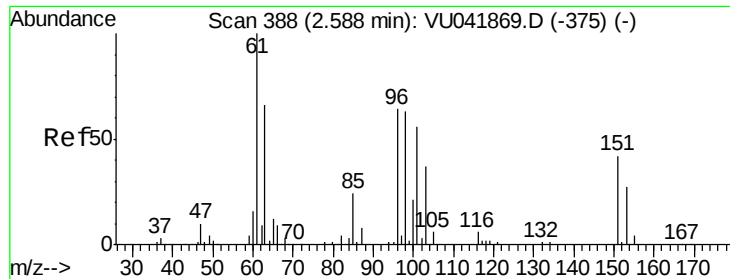
Tot Ion: 50 Resp: 554
Ion Ratio Lower Upper
50 100
52 25.1 24.1 44.8



#9
Trichlorofluoromethane
Concen: 0.119 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041882.D
Acq: 07 Jan 2021 19:04

Tgt Ion: 101 Resp: 1900
Ion Ratio Lower Upper
101 100
103 54.5 51.1 76.7

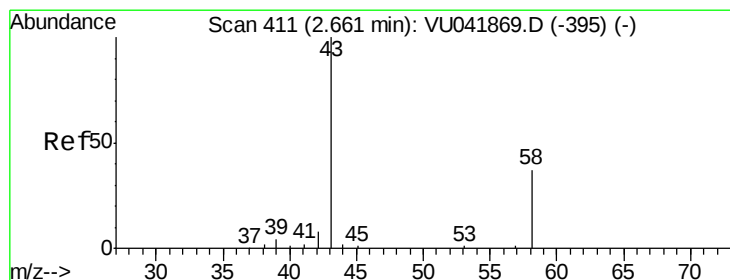
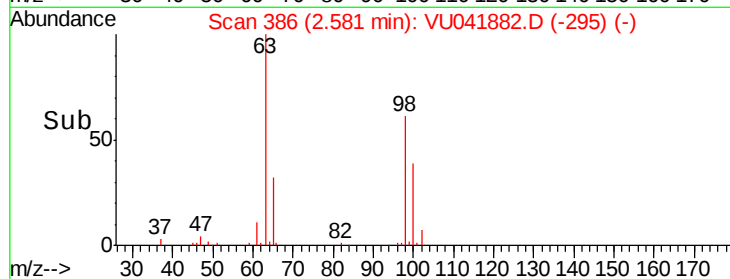
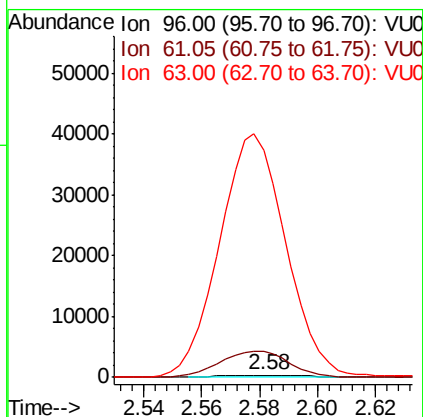
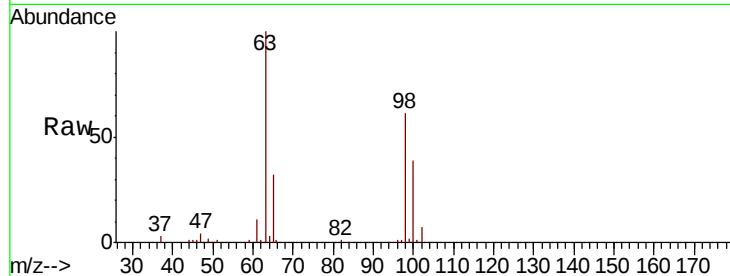




#12
 1,1-Dichloroethene
 Concen: 0.069 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU041882.D
 Acq: 07 Jan 2021 19:04

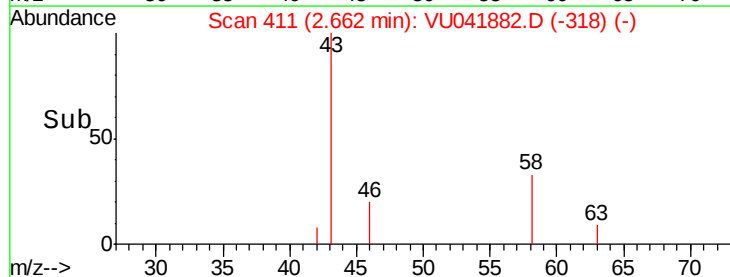
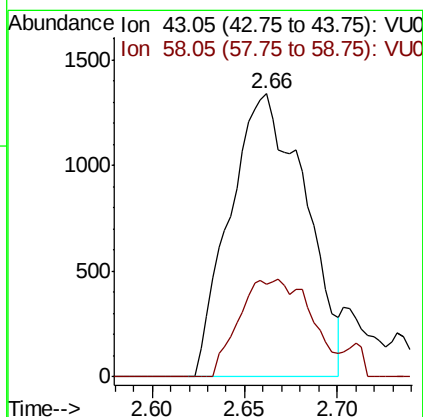
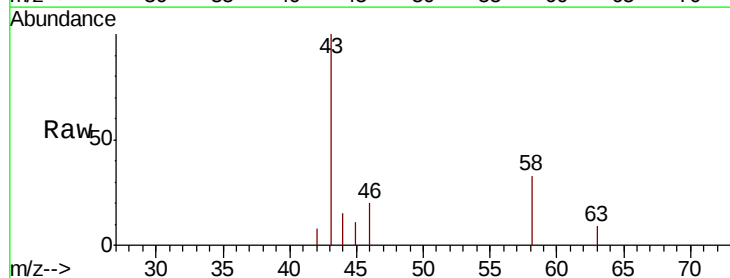
Instrument :
 MSVOA_U
 ClientSampleId :

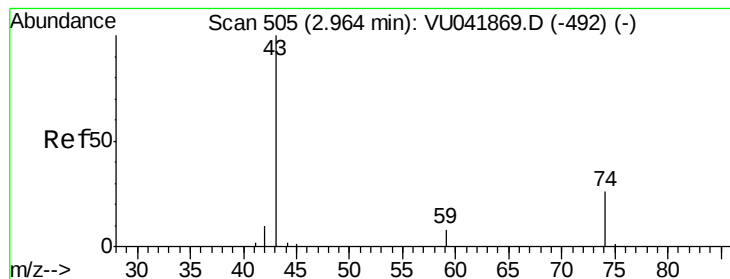
Tot Ion: 96 Resp: 655
 Ion Ratio Lower Upper
 96 100
 61 1202.0 123.8 230.0#
 63 10618.8 81.0 150.4#



#13
 Acetone
 Concen: 1.903 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: VU041882.D
 Acq: 07 Jan 2021 19:04

Tgt Ion: 43 Resp: 3781
 Ion Ratio Lower Upper
 43 100
 58 13.9 0.0 73.2





#15

Methyl Acetate

Concen: 0.111 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.03 min

Lab File: VU041882.D

Acq: 07 Jan 2021 19:04

Instrument :

MSVOA_U

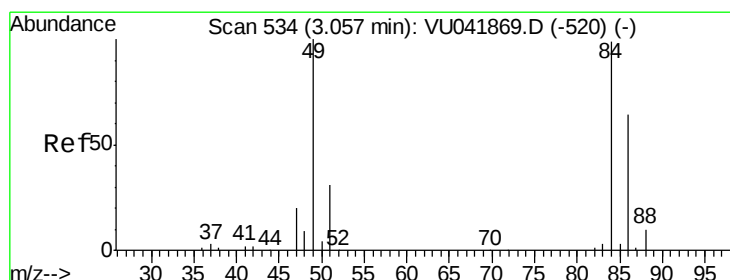
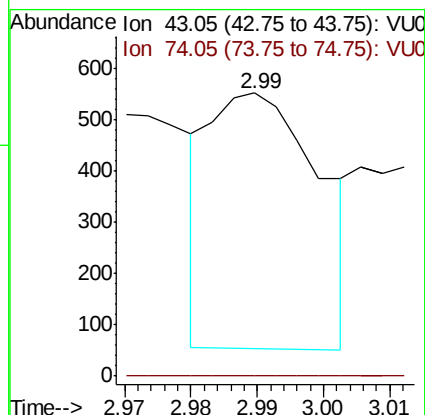
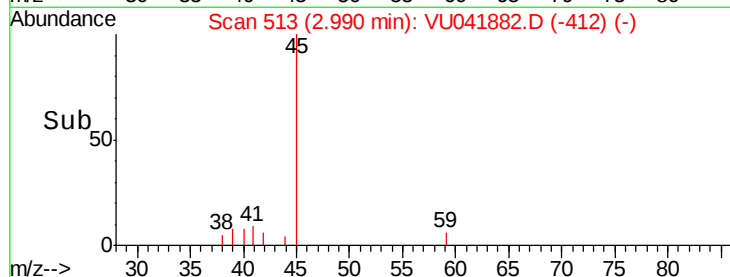
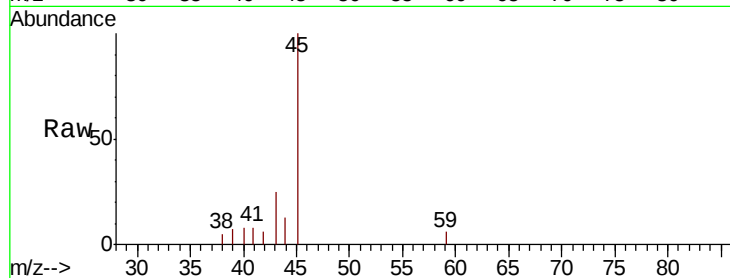
ClientSampleId :

Tot Ion: 43 Resp: 573

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



#16

Methylene chloride

Concen: 0.116 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041882.D

Acq: 07 Jan 2021 19:04

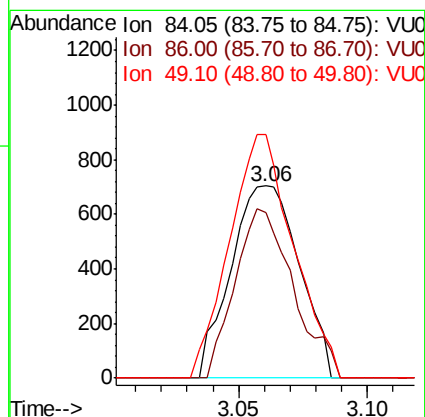
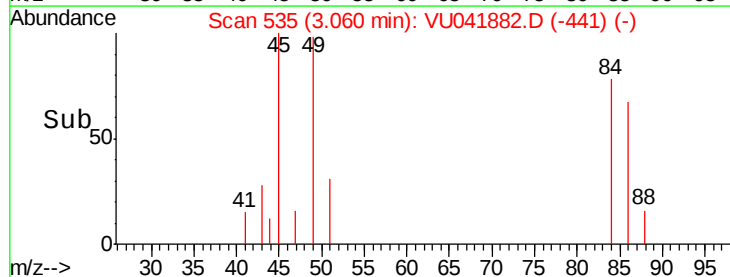
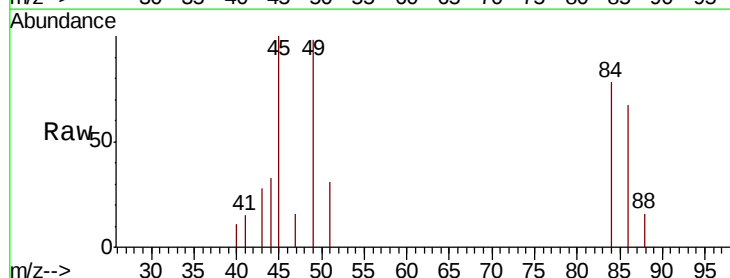
Tgt Ion: 84 Resp: 1302

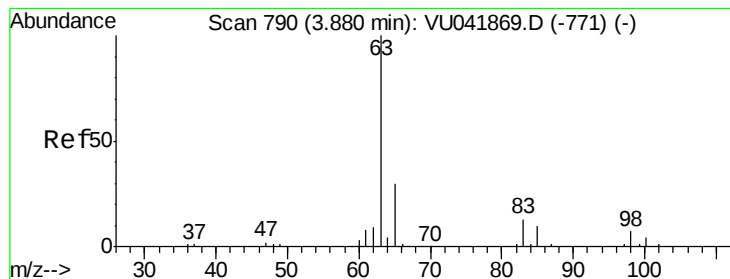
Ion Ratio Lower Upper

84 100

86 86.4 45.1 83.7#

49 126.7 83.1 154.3





#19

1,1-Dichloroethane

Concen: 0.051 ug/L

RT: 3.88 min Scan# 790

Delta R.T. 0.00 min

Lab File: VU041882.D

Acq: 07 Jan 2021 19:04

Instrument :

MSVOA_U

ClientSampleId :

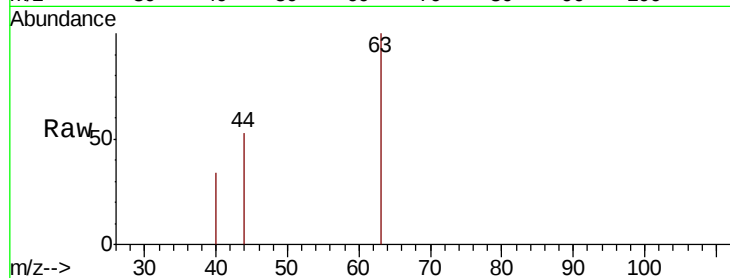
Tot Ion: 63 Resp: 935

Ion Ratio Lower Upper

63 100

65 0.0 21.3 39.6#

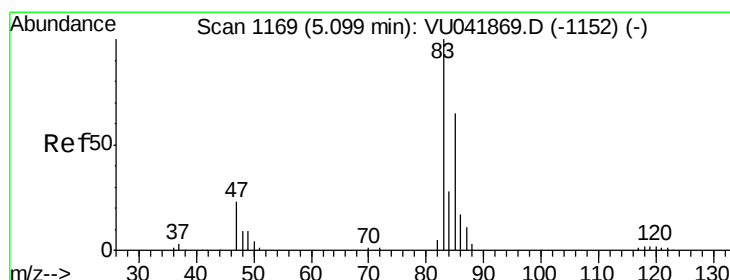
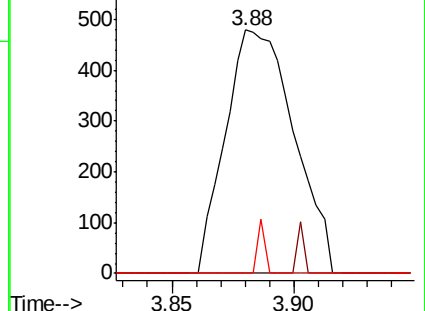
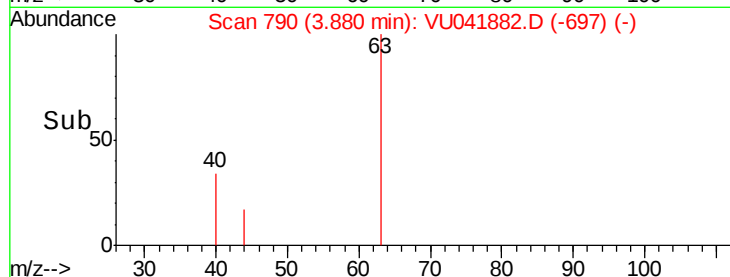
83 0.0 9.3 17.3#



Abundance Ion 63.10 (62.80 to 63.80): VU041869.D (-771) (-)

Ion 65.10 (64.80 to 65.80): VU041869.D (-771) (-)

Ion 83.05 (82.75 to 83.75): VU041869.D (-771) (-)



#25

Chloroform

Concen: 0.445 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VU041882.D

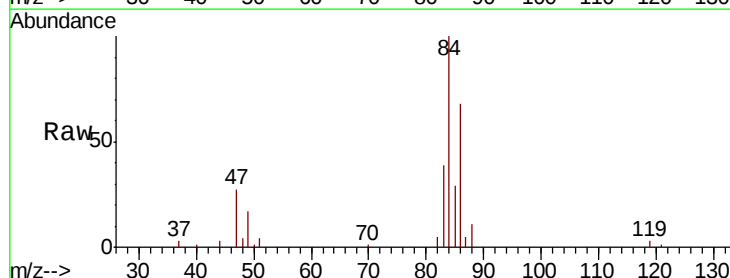
Acq: 07 Jan 2021 19:04

Tgt Ion: 83 Resp: 8170

Ion Ratio Lower Upper

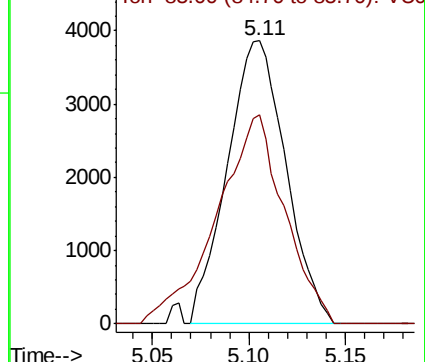
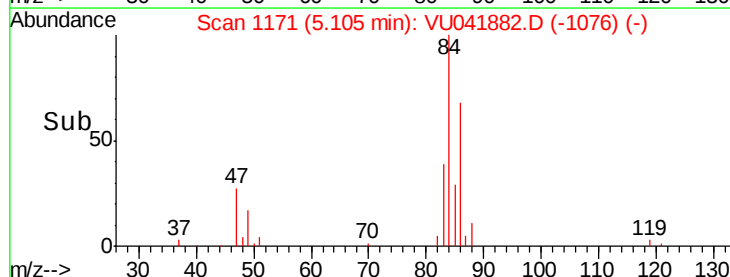
83 100

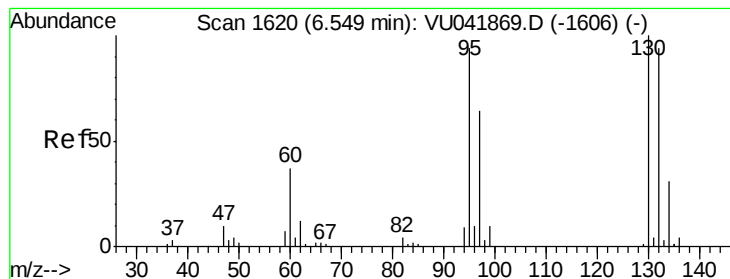
85 73.8 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU041869.D (-1152) (-)

Ion 85.00 (84.70 to 85.70): VU041869.D (-1152) (-)





#34

Trichloroethene

Concen: 0.522 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041882.D

Acq: 07 Jan 2021 19:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 5658

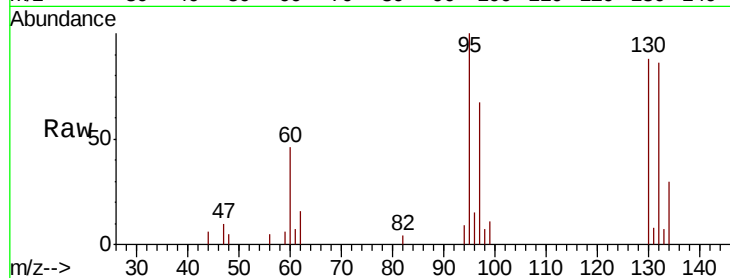
Ion Ratio Lower Upper

95 100

97 66.7 43.9 81.5

132 85.7 63.1 117.3

130 87.9 67.4 125.2



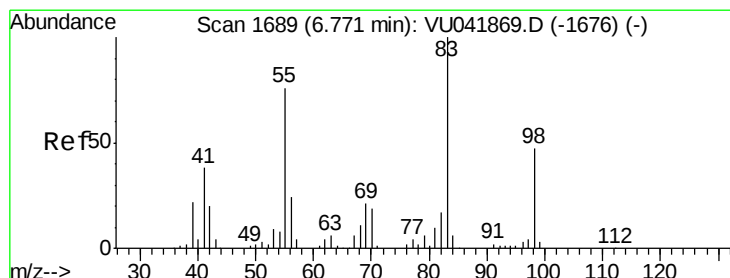
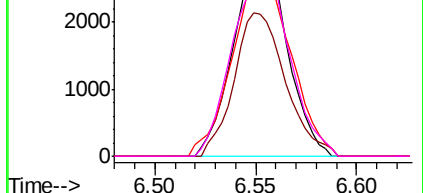
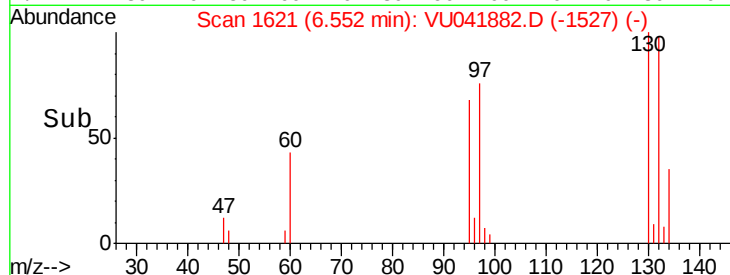
Abundance Ion 95.00 (94.70 to 95.70): VU041882.D (-1527) (-)

Ion 96.95 (96.65 to 97.65): VU041882.D (-1527) (-)

Ion 131.95 (131.65 to 132.65): VU041882.D (-1527) (-)

Ion 129.95 (129.65 to 130.65): VU041882.D (-1527) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.861 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041882.D

Acq: 07 Jan 2021 19:04

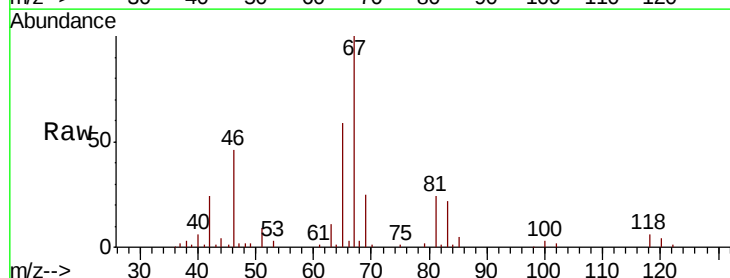
Tgt Ion: 83 Resp: 15073

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 0.6 36.6 54.8#

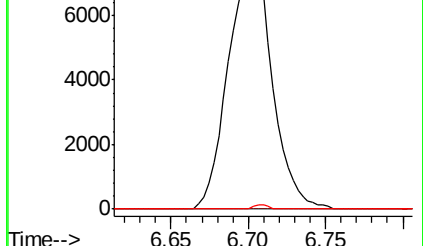
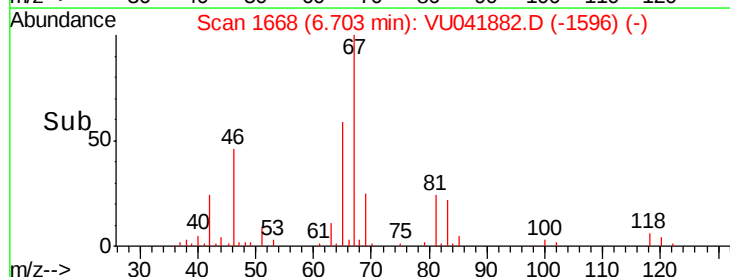


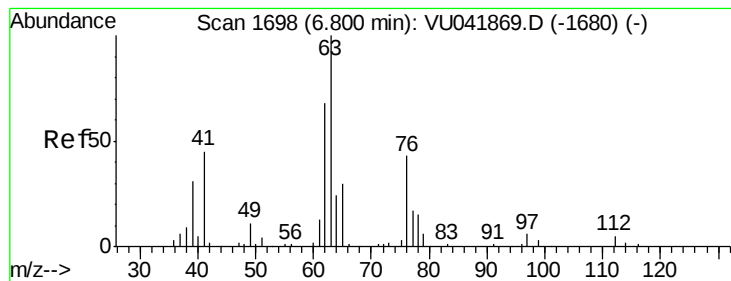
Abundance Ion 83.15 (82.85 to 83.85): VU041882.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU041882.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU041882.D (-1596) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 0.634 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041882.D

Acq: 07 Jan 2021 19:04

Instrument :

MSVOA_U

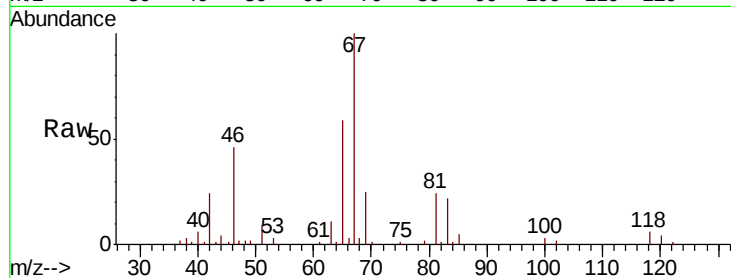
ClientSampled :

Tot Ion: 63 Resp: 6988

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041869.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU041869.D (-1680) (-)

6.70

4000

3000

2000

1000

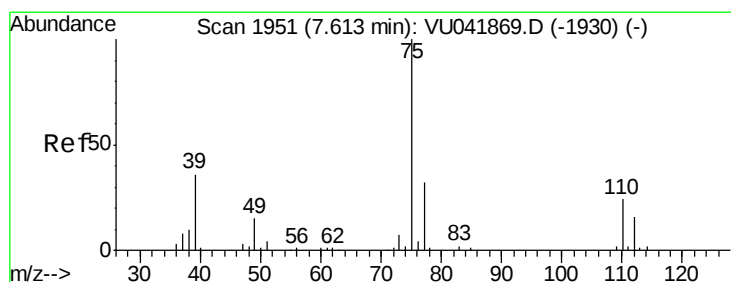
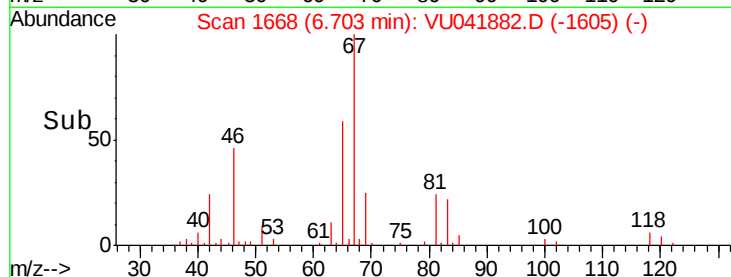
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041882.D

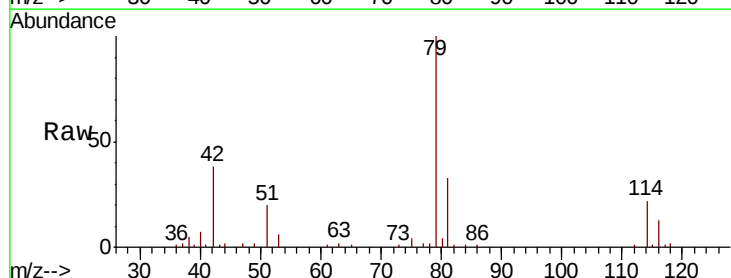
Acq: 07 Jan 2021 19:04

Tgt Ion: 75 Resp: 1633

Ion Ratio Lower Upper

75 100

77 48.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041869.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041869.D (-1930) (-)

7.57

1000

800

600

400

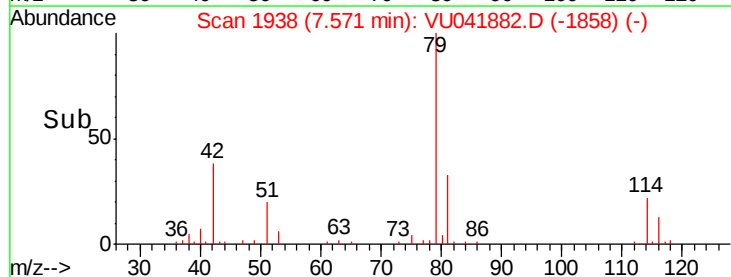
200

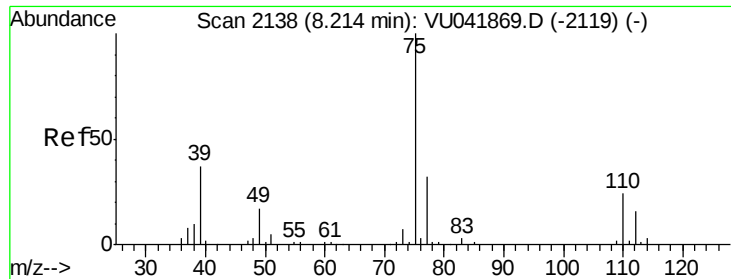
0

7.55

7.60

Time-->

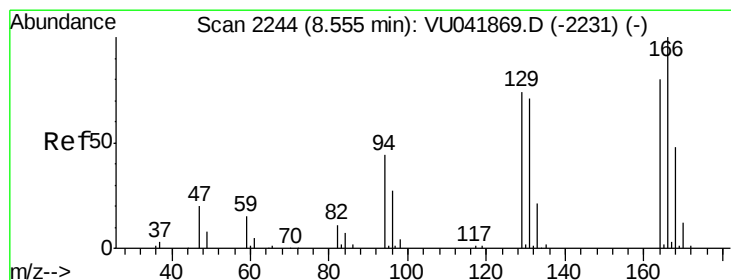
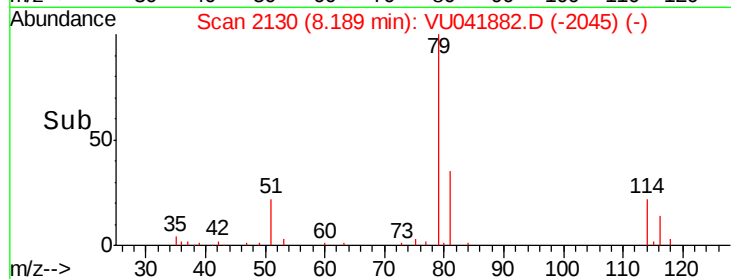
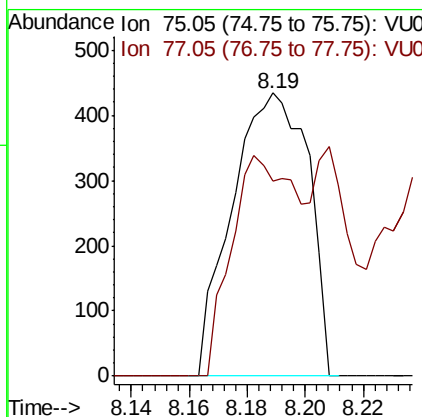
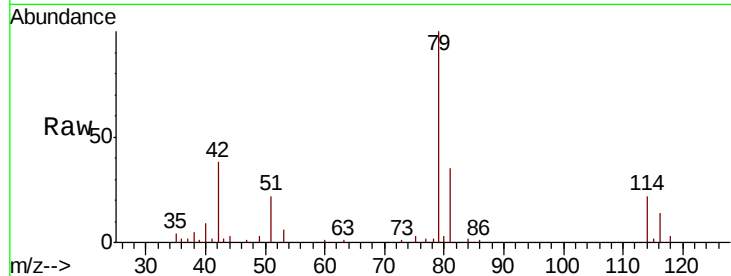




#44
trans-1,3-Dichloropropene
Concen: 0.054 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041882.D
Acq: 07 Jan 2021 19:04

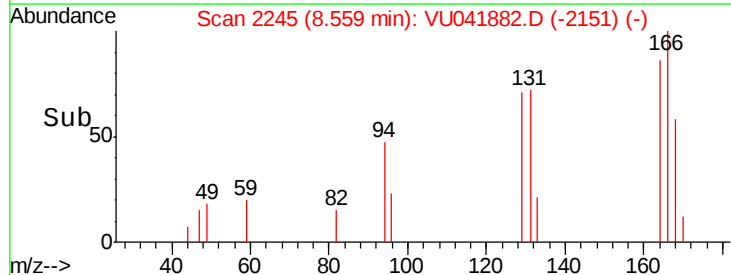
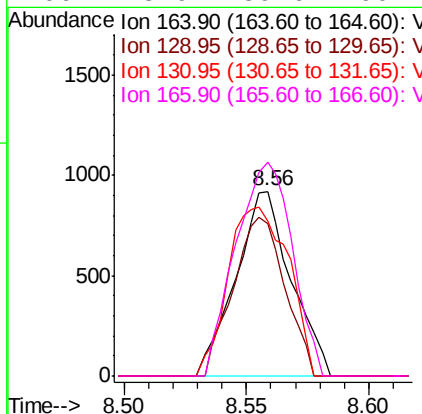
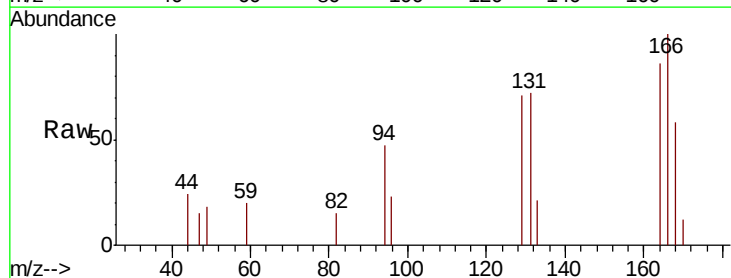
Instrument :
MSVOA_U
ClientSampleId :

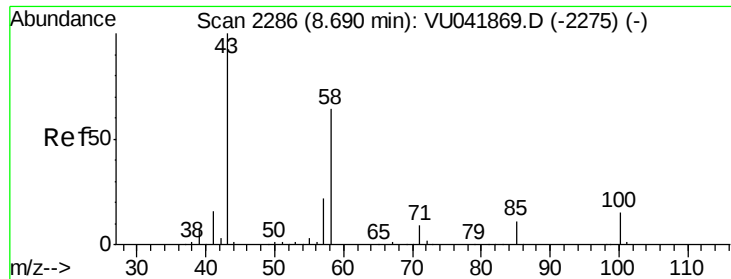
Tot Ion: 75 Resp: 792
Ion Ratio Lower Upper
75 100
77 69.1 23.8 44.2#



#47
Tetrachloroethene
Concen: 0.191 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041882.D
Acq: 07 Jan 2021 19:04

Tgt Ion:164 Resp: 1445
Ion Ratio Lower Upper
164 100
129 82.8 72.2 134.0
131 83.9 66.9 124.3
166 115.9 89.6 166.4

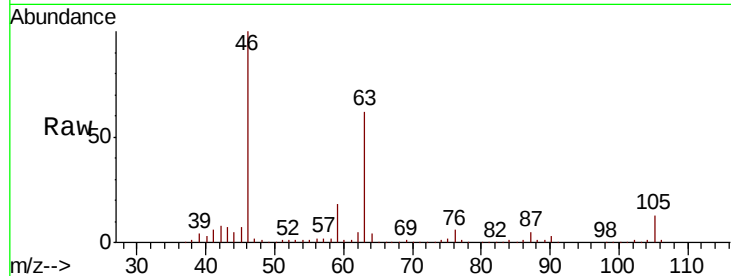




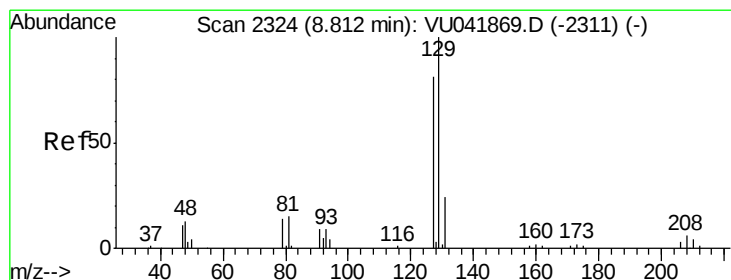
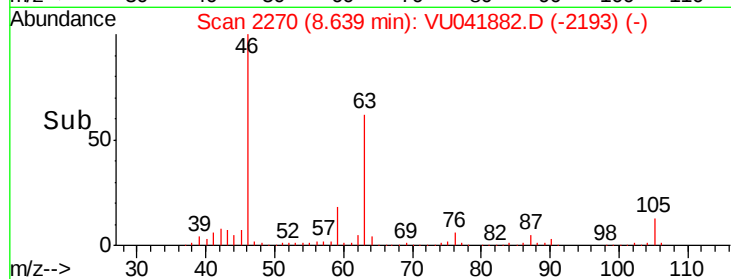
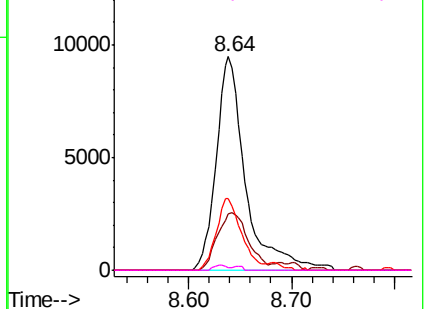
#48
2-Hexanone
Concen: 3.280 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041882.D
Acq: 07 Jan 2021 19:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 18723
Ion Ratio Lower Upper
43 100
58 28.0 47.9 71.9#
57 28.9 16.5 24.7#
100 0.5 9.4 14.2#

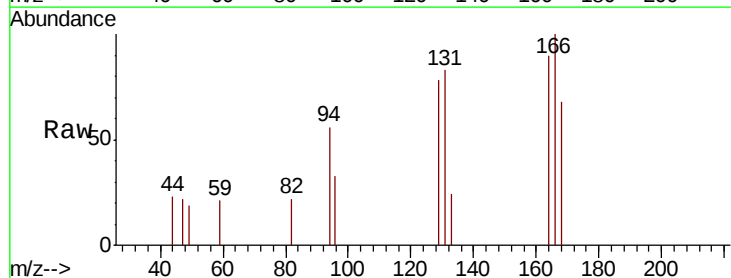


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

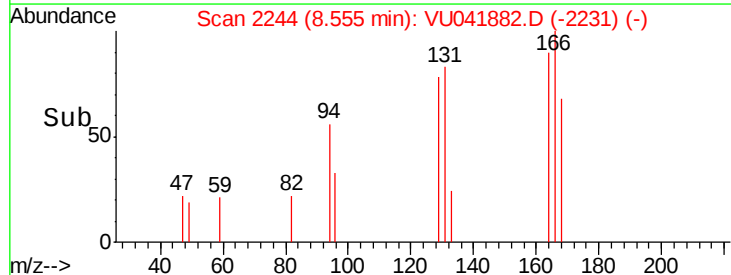
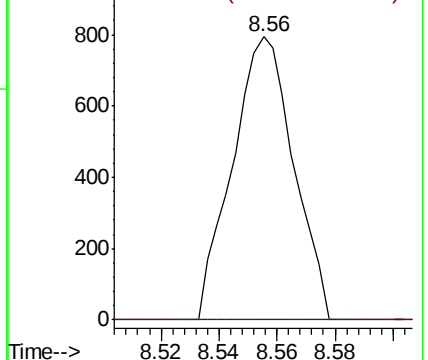


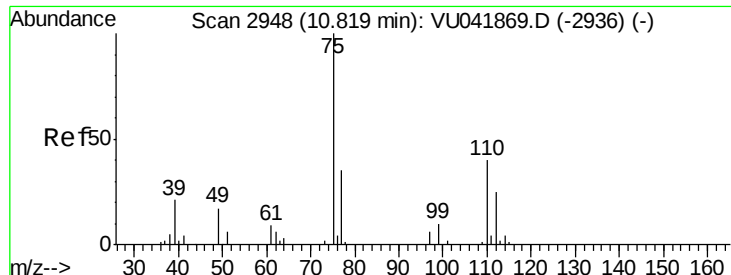
#49
Dibromochloromethane
Concen: 0.124 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041882.D
Acq: 07 Jan 2021 19:04

Tgt Ion: 129 Resp: 1165
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: 0.665 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041882.D

Acq: 07 Jan 2021 19:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 5504

Ion Ratio Lower Upper

75 100

77 37.8 26.2 39.2

