

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041889.D
 Acq On : 07 Jan 2021 21:52
 Operator : SY/MD
 Sample : M1026-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 05:02:42 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	137597	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130856	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53516	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40214	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.92	69	44650	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.58	63	63590	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.65	46	173887	56.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.54%
24) Chloroform-d	5.08	84	102001	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.72	65	57611	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.74	84	192948	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.70	67	61880	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.90	98	149804	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	8.19	79	23009	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.64	63	144547	50.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55751	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	57680	6.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.20%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	668	0.057 ug/L	92
3) Chloromethane	1.52	50	2132	0.188 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	821	0.087 ug/L #	26
12) 1,1-Dichloroethene	2.58	96	933	0.100 ug/L #	1
13) Acetone	2.66	43	2677	1.362 ug/L	93
16) Methylene chloride	3.06	84	3100	0.278 ug/L #	69
22) cis-1,2-Dichloroethene	4.68	96	1794	0.168 ug/L	91
25) Chloroform	5.11	83	2754	0.152 ug/L	95
27) 1,2-Dichloroethane	5.81	62	482	0.039 ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	3814	0.254 ug/L #	84
34) Trichloroethene	6.55	95	57001	5.420 ug/L	96
35) Methylcyclohexane	6.70	83	14145	0.832 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6023	0.563 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1340	0.084 ug/L #	77
44) trans-1,3-Dichloropropene	8.18	75	1186	0.084 ug/L	95
47) Tetrachloroethene	8.56	164	34303	4.660 ug/L	97
48) 2-Hexanone	8.64	43	16698	3.012 ug/L #	68

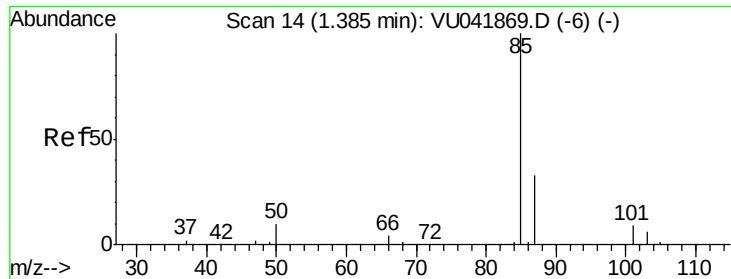
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
Data File : VU041889.D
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Quant Time: Jan 08 05:02:42 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	33304	3.663	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5544	0.690	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.057 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

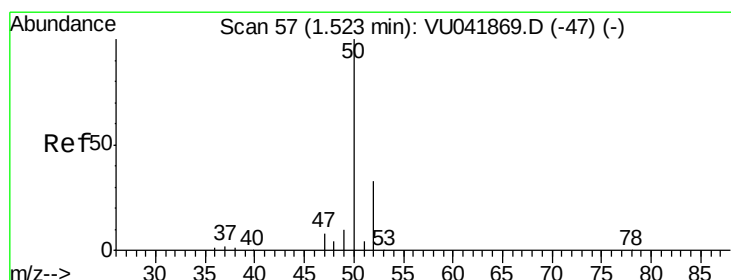
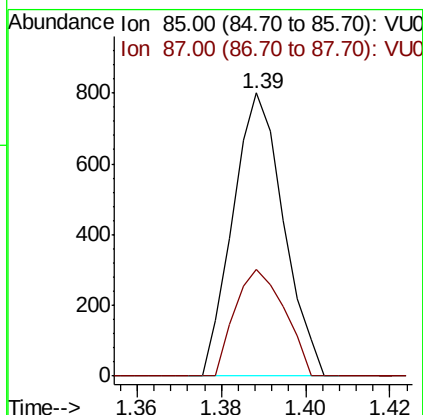
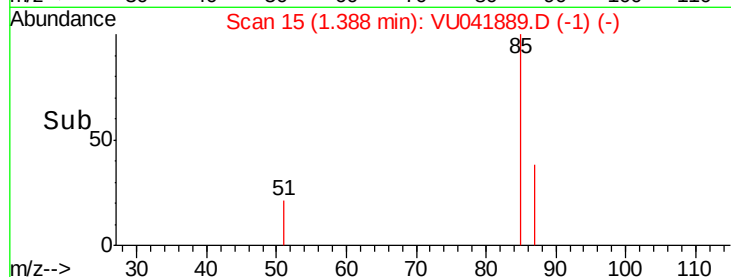
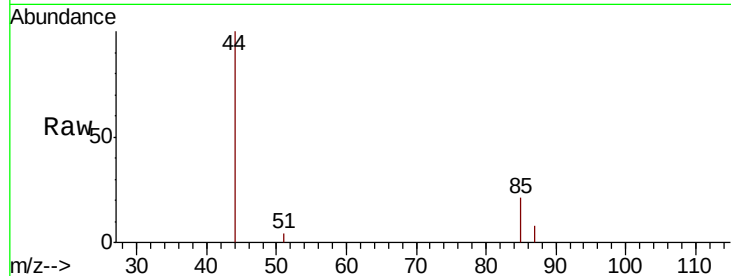
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 668

Ion Ratio Lower Upper

85 100

87 36.7 25.8 38.6



#3

Chloromethane

Concen: 0.188 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041889.D

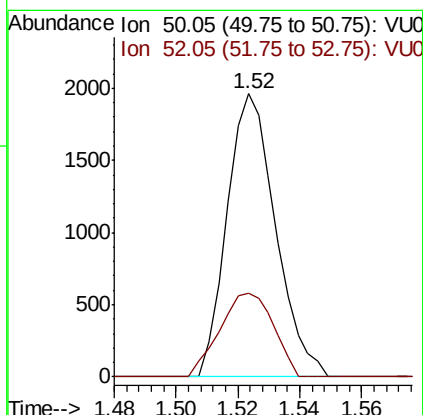
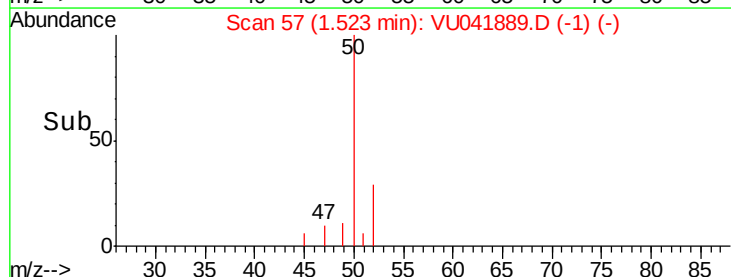
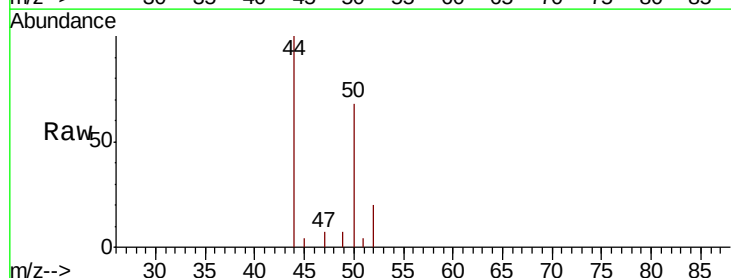
Acq: 07 Jan 2021 21:52

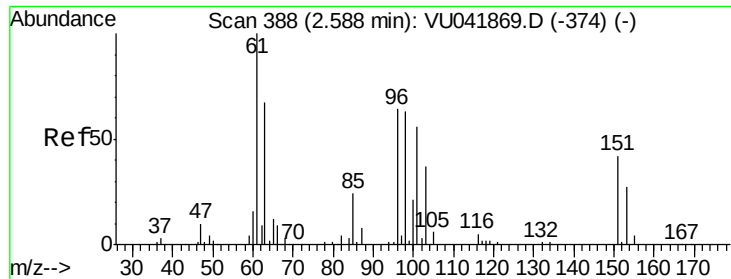
Tgt Ion: 50 Resp: 2132

Ion Ratio Lower Upper

50 100

52 29.4 24.1 44.8





#10

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

Concen: 0.087 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

Instrument :

MSVOA_U

ClientSampleId :

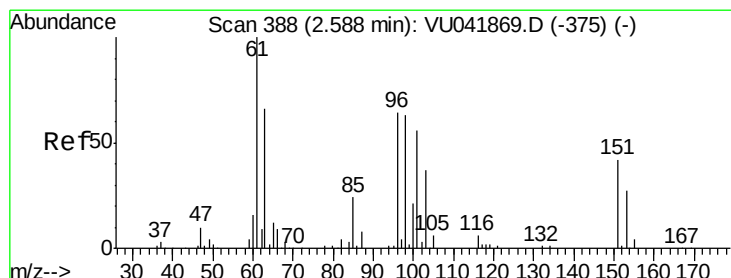
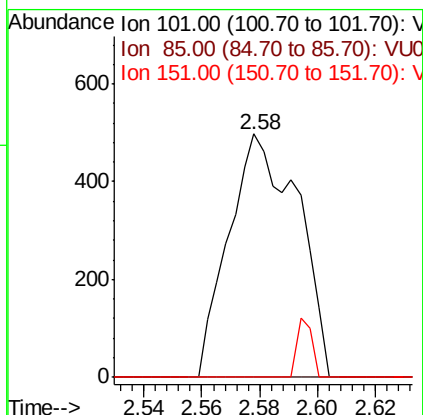
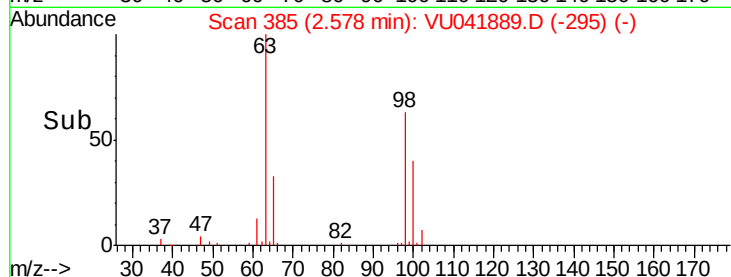
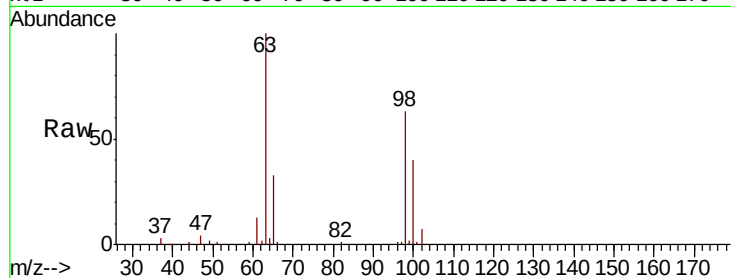
Tot Ion:101 Resp: 821

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 5.2 56.2 84.4#



#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

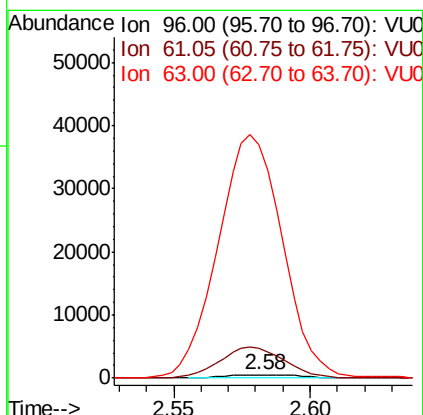
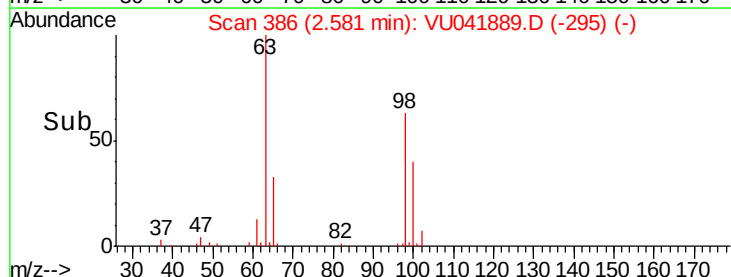
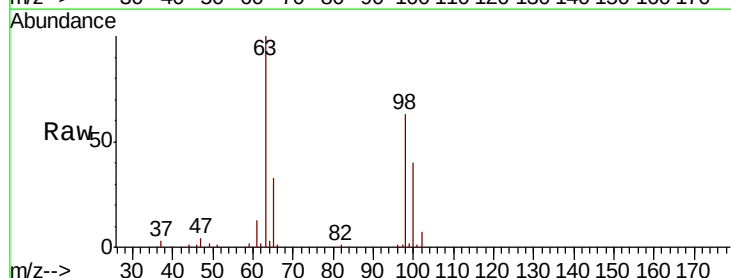
Tgt Ion: 96 Resp: 933

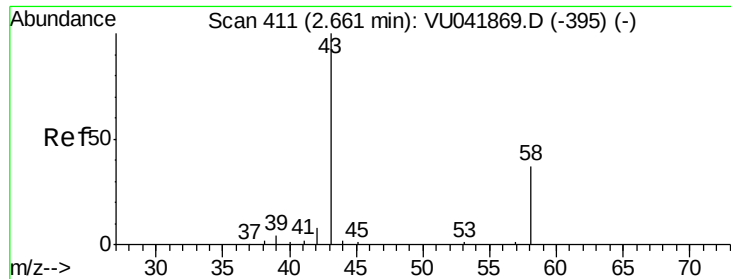
Ion Ratio Lower Upper

96 100

61 918.6 123.8 230.0#

63 7329.9 81.0 150.4#





#13

Acetone

Concen: 1.362 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

Instrument :

MSVOA_U

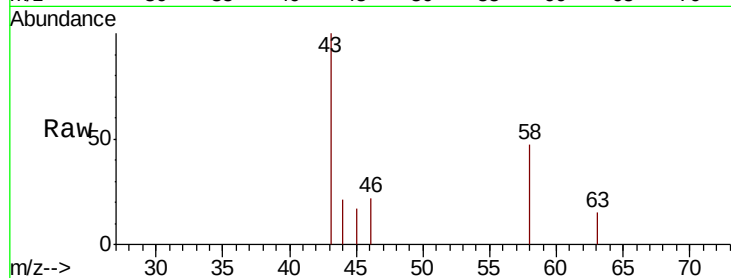
ClientSampleId :

Tot Ion: 43 Resp: 2677

Ion Ratio Lower Upper

43 100

58 32.5 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041889.D (-409) (-)

Ion 58.05 (57.75 to 58.75): VU041889.D (-409) (-)

2.66

1200

1000

800

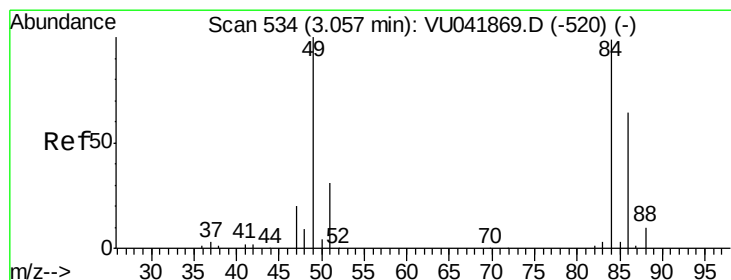
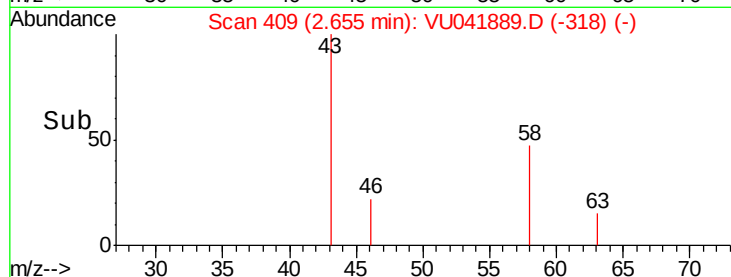
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 0.278 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

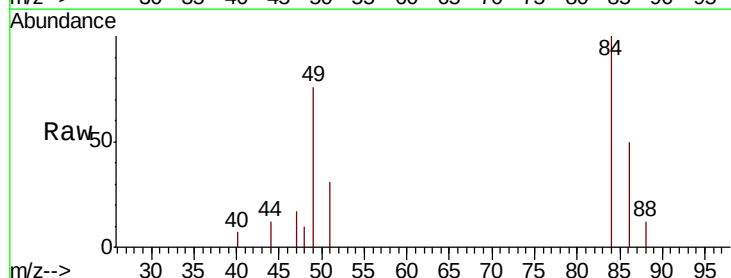
Tgt Ion: 84 Resp: 3100

Ion Ratio Lower Upper

84 100

86 50.4 45.1 83.7

49 76.5 83.1 154.3#



Abundance Ion 84.05 (83.75 to 84.75): VU041889.D (-535) (-)

Ion 86.00 (85.70 to 86.70): VU041889.D (-535) (-)

Ion 49.10 (48.80 to 49.80): VU041889.D (-535) (-)

3.06

2500

2000

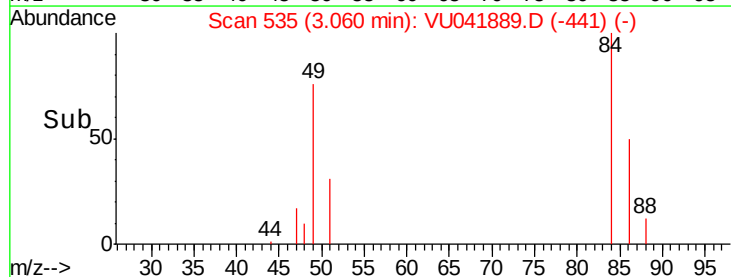
1500

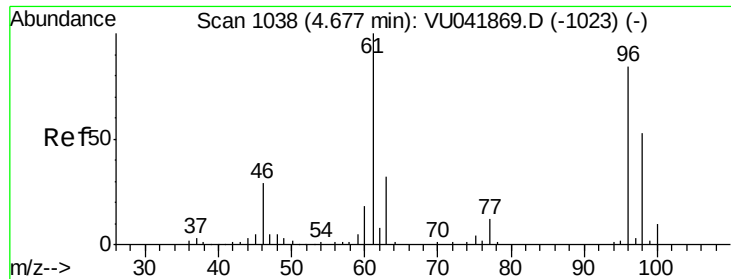
1000

500

0

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.168 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

Instrument :

MSVOA_U

ClientSampleId :

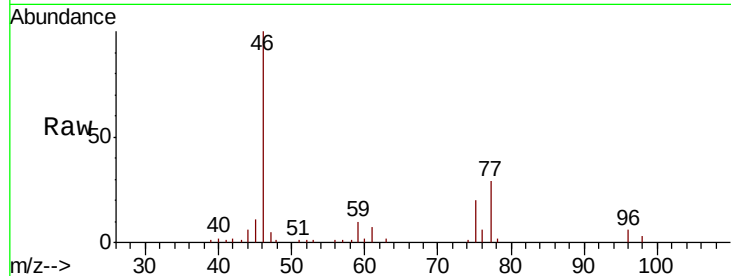
Tot Ion: 96 Resp: 1794

Ion Ratio Lower Upper

96 100

61 116.1 88.8 165.0

68 0.0 0.0 0.0

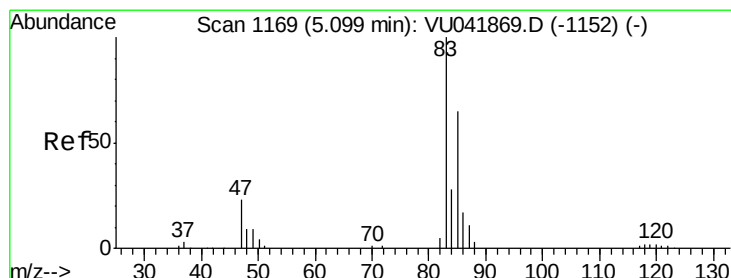
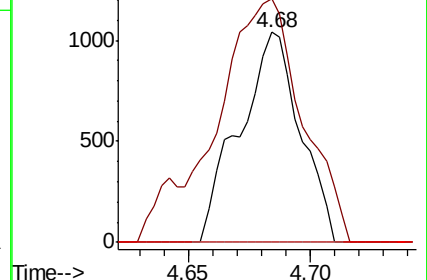
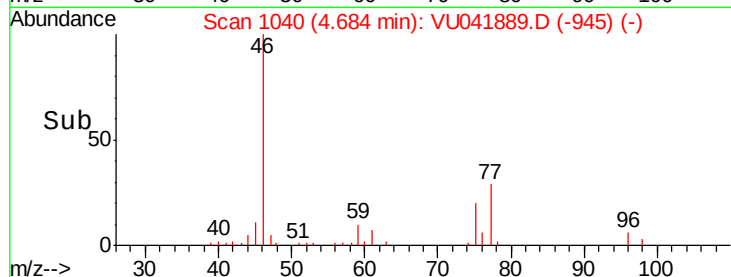


Abundance Ion 96.00 (95.70 to 96.70): VU041889.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU041889.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU041889.D (-1023) (-)

Time-->



#25

Chloroform

Concen: 0.152 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VU041889.D

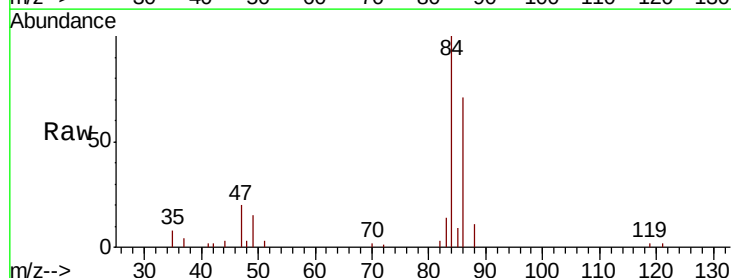
Acq: 07 Jan 2021 21:52

Tgt Ion: 83 Resp: 2754

Ion Ratio Lower Upper

83 100

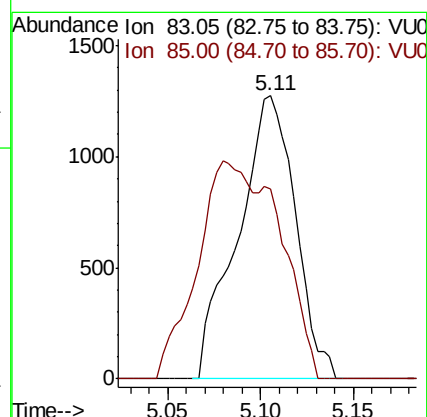
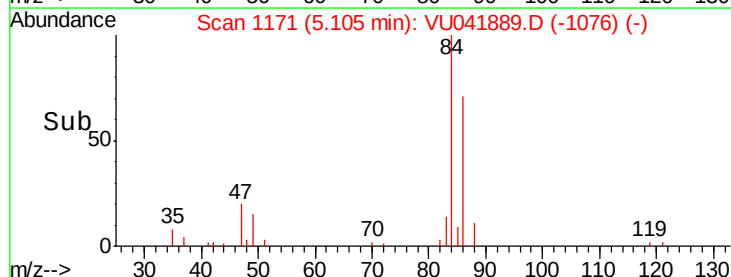
85 67.0 44.2 82.0

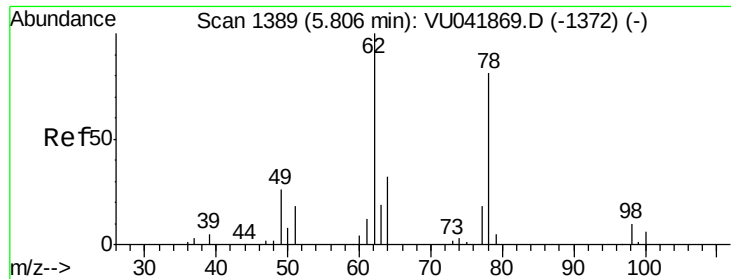


Abundance Ion 83.05 (82.75 to 83.75): VU041889.D (-1152) (-)

Ion 85.00 (84.70 to 85.70): VU041889.D (-1152) (-)

Time-->

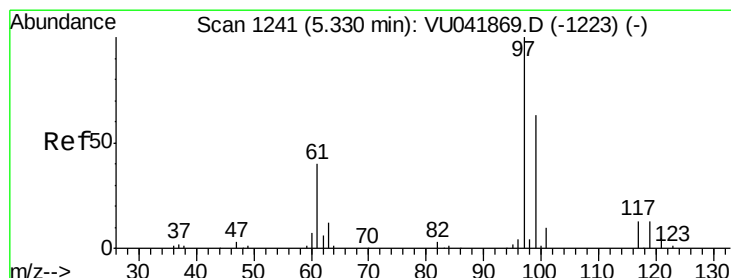
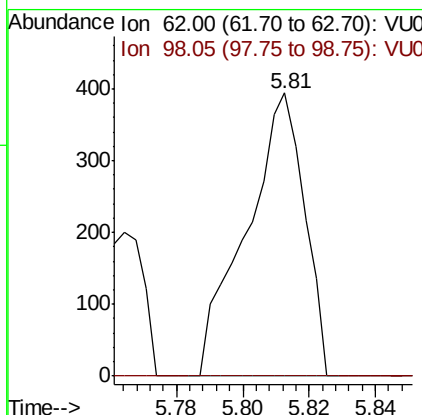
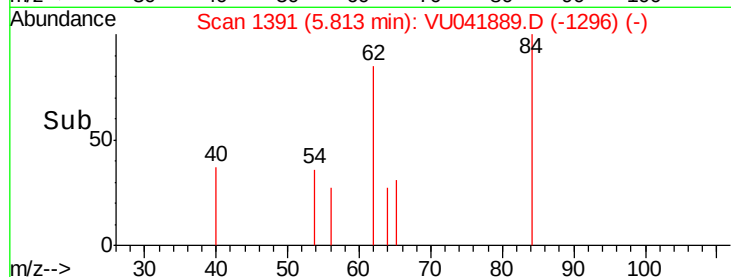
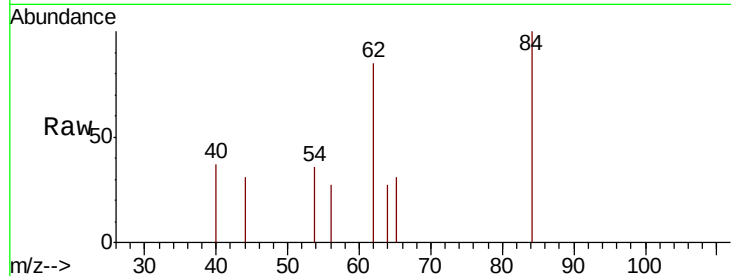




#27
 1,2-Dichloroethane
 Concen: 0.039 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VU041889.D
 Acq: 07 Jan 2021 21:52

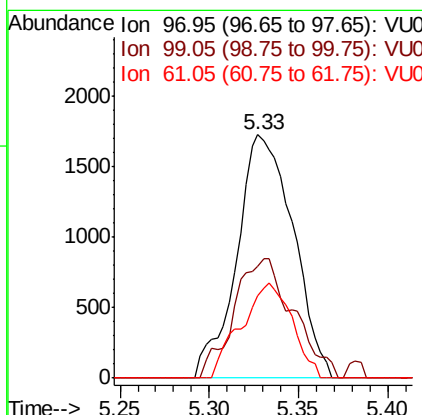
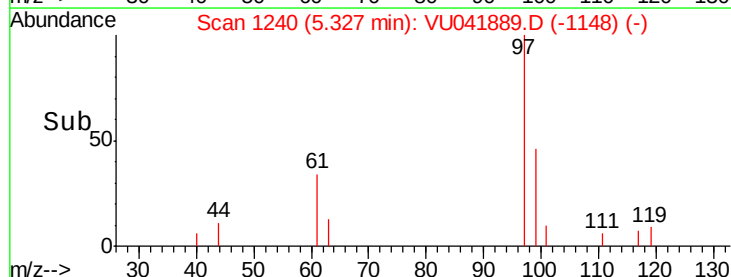
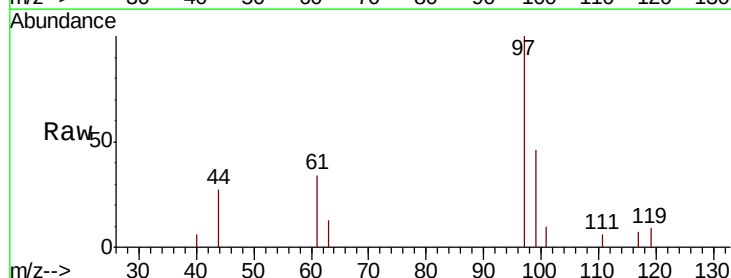
Instrument :
 MSVOA_U
 ClientSampled :

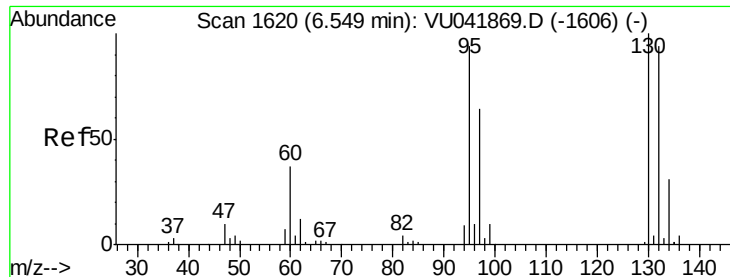
Tot Ion: 62 Resp: 482
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#29
 1,1,1-Trichloroethane
 Concen: 0.254 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU041889.D
 Acq: 07 Jan 2021 21:52

Tgt Ion: 97 Resp: 3814
 Ion Ratio Lower Upper
 97 100
 99 51.8 51.3 76.9
 61 35.4 36.5 54.7#

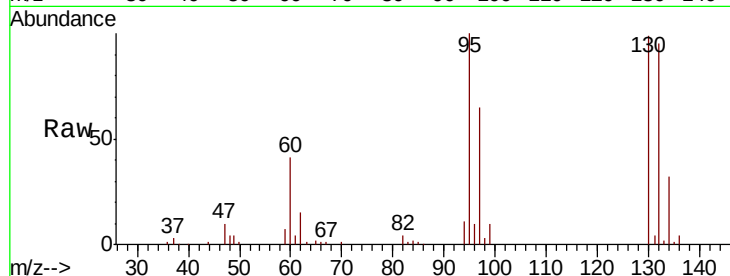




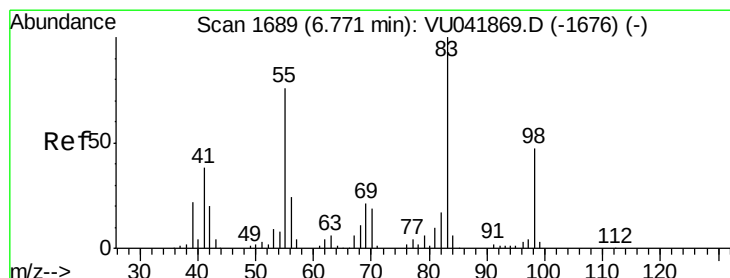
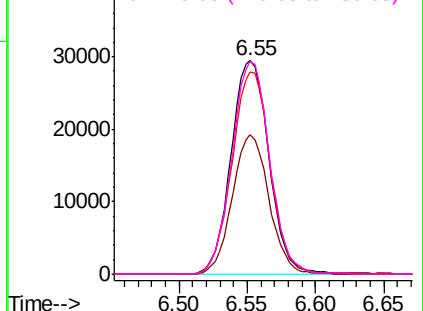
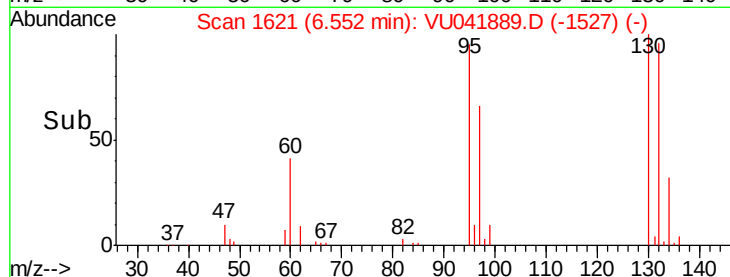
#34
 Trichloroethene
 Concen: 5.420 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041889.D
 Acq: 07 Jan 2021 21:52

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 57001
 Ion Ratio Lower Upper
 95 100
 97 65.1 43.9 81.5
 132 94.8 63.1 117.3
 130 99.3 67.4 125.2

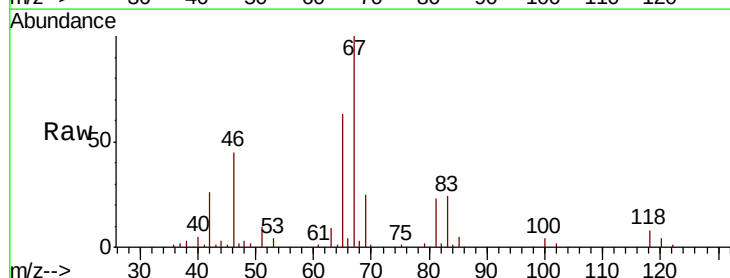


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

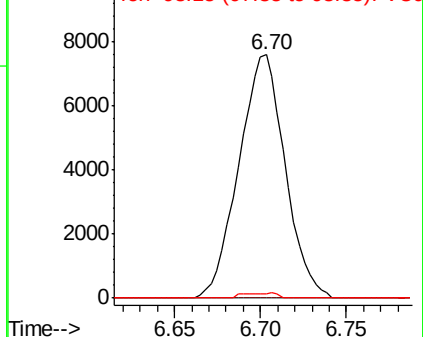
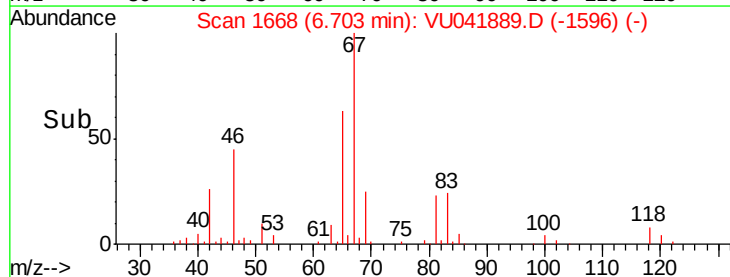


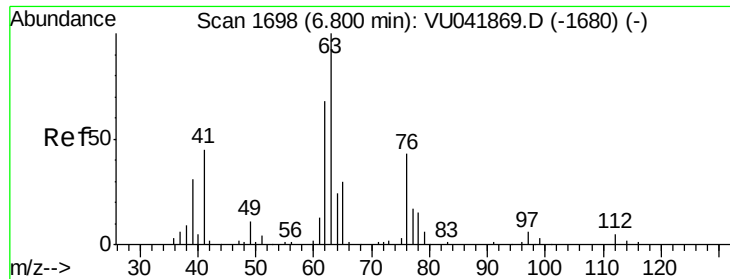
#35
 Methylcyclohexane
 Concen: 0.832 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041889.D
 Acq: 07 Jan 2021 21:52

Tgt Ion: 83 Resp: 14145
 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): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

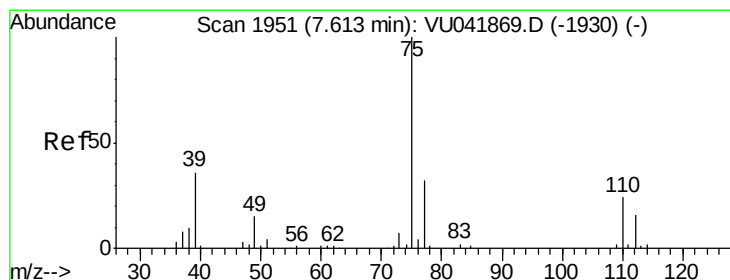
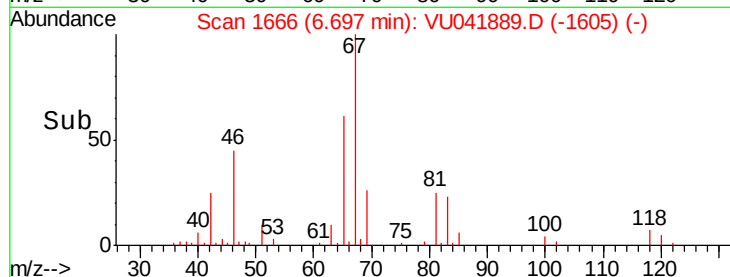
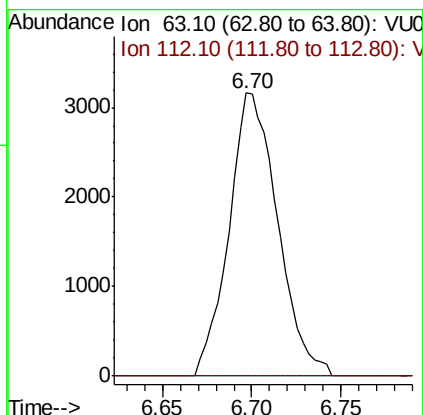
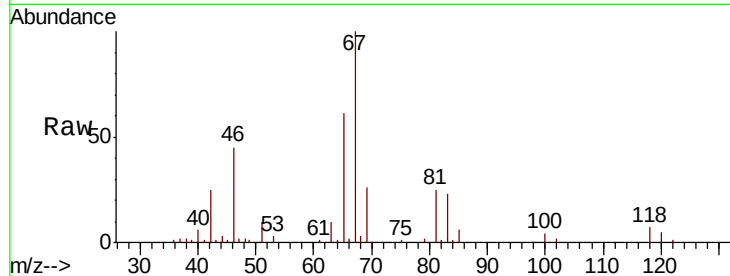




#37
 1,2-Dichloropropane
 Concen: 0.563 ug/L
 RT: 6.70 min Scan# 1666
 Delta R.T. -0.10 min
 Lab File: VU041889.D
 Acq: 07 Jan 2021 21:52

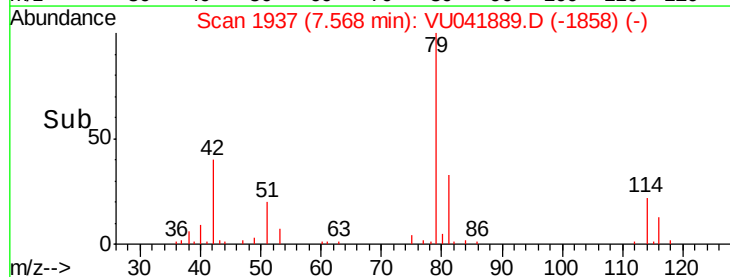
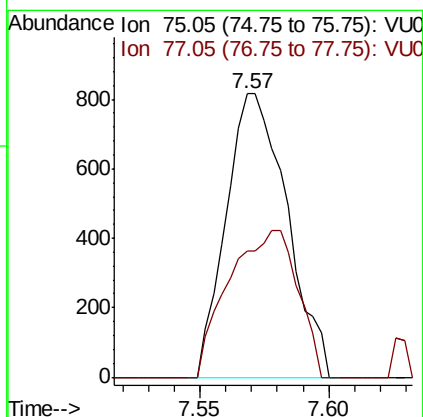
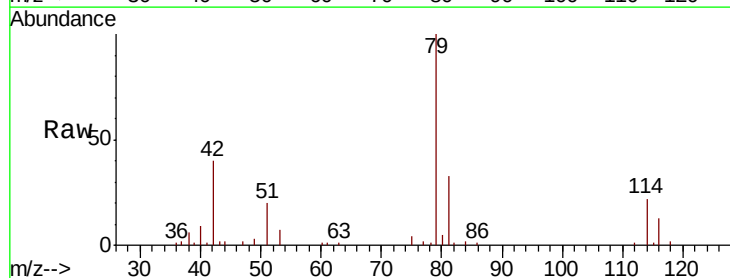
Instrument :
 MSVOA_U
 ClientSampleId :

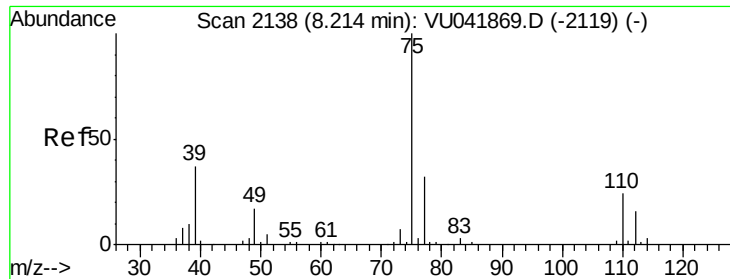
Tot Ion: 63 Resp: 6023
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.04 min
 Lab File: VU041889.D
 Acq: 07 Jan 2021 21:52

Tgt Ion: 75 Resp: 1340
 Ion Ratio Lower Upper
 75 100
 77 44.5 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

Instrument :

MSVOA_U

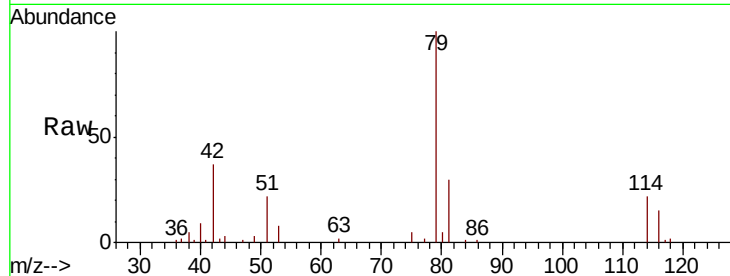
ClientSampleId :

Tot Ion: 75 Resp: 1186

Ion Ratio Lower Upper

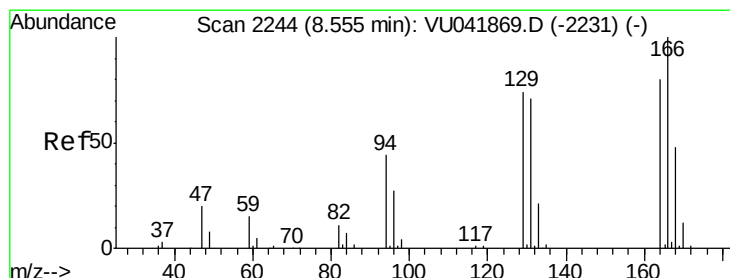
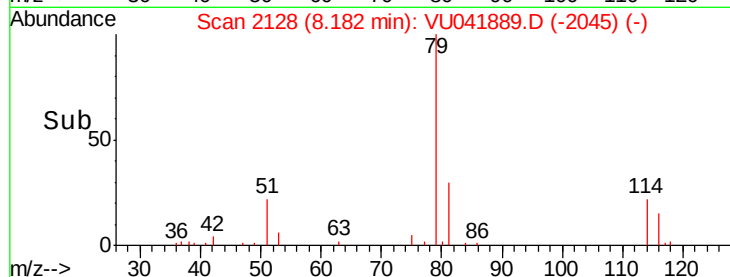
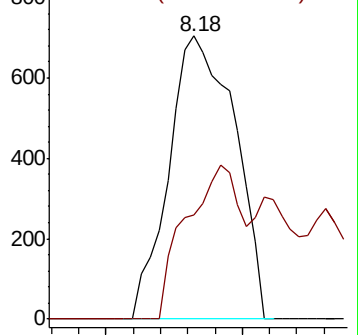
75 100

77 36.8 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 4.660 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

Tgt Ion:164 Resp: 34303

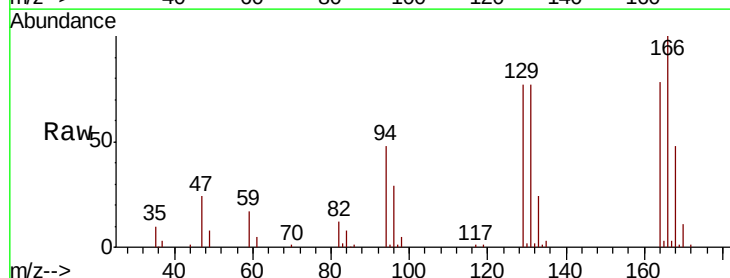
Ion Ratio Lower Upper

164 100

129 97.9 72.2 134.0

131 98.4 66.9 124.3

166 127.6 89.6 166.4

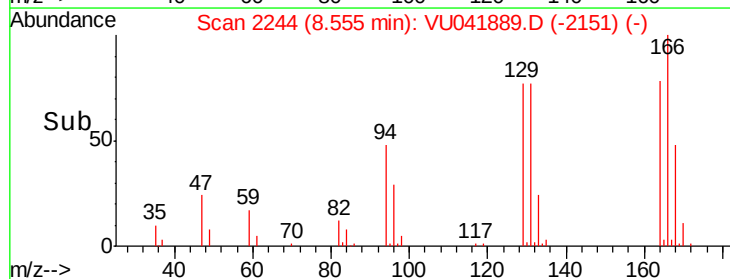
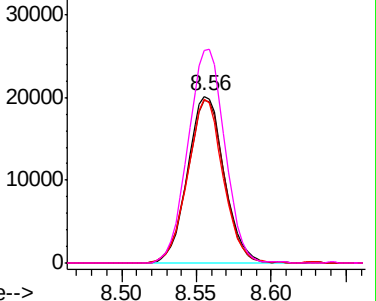


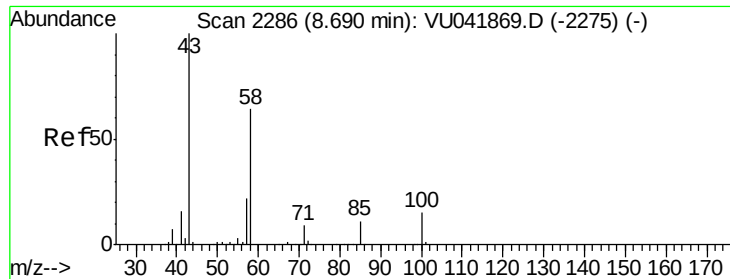
Abundance Ion 163.90 (163.60 to 164.60): V

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

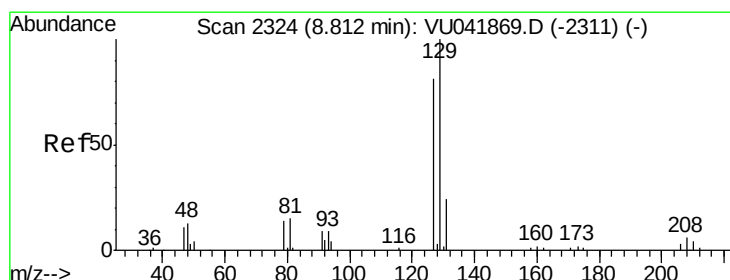
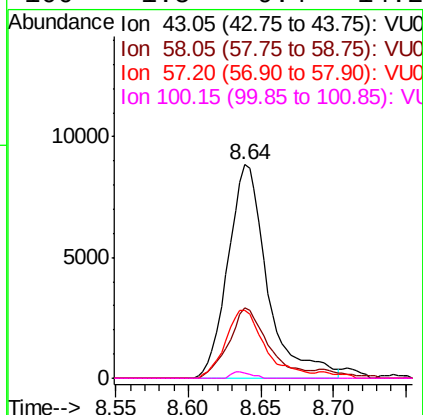
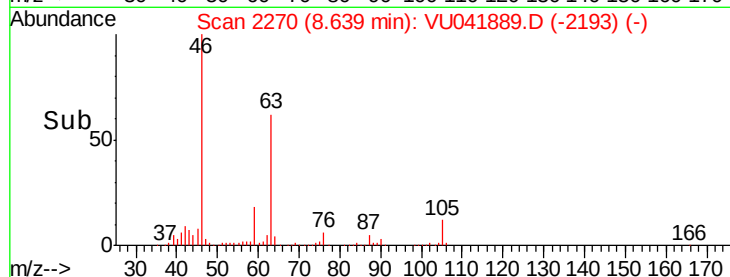
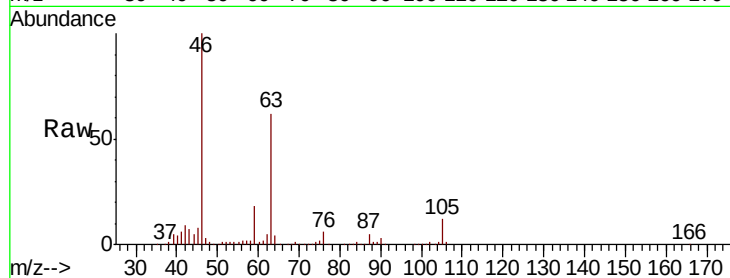




#48
2-Hexanone
Concen: 3.012 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041889.D
Acq: 07 Jan 2021 21:52

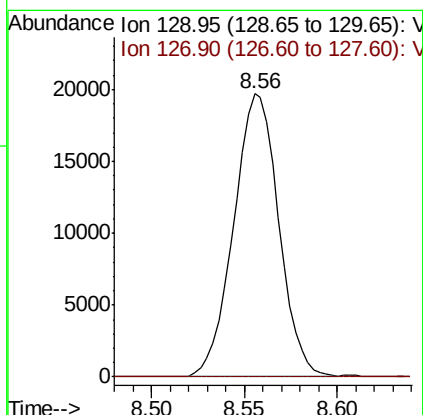
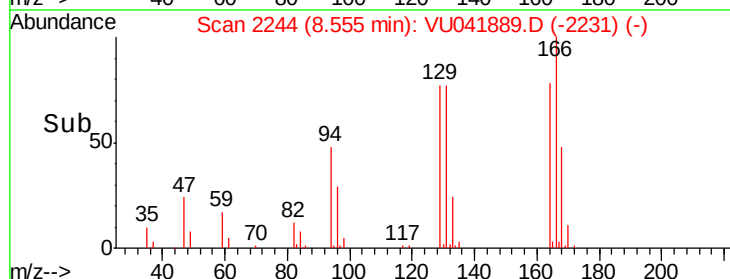
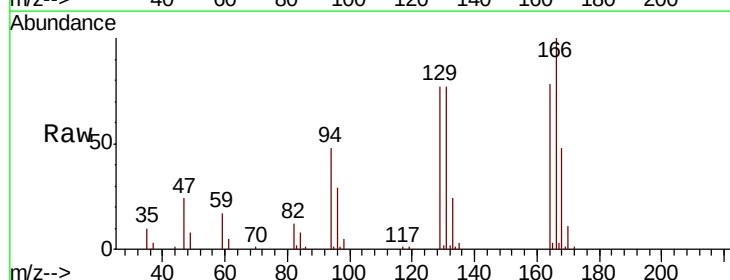
Instrument :
MSVOA_U
ClientSampleId :

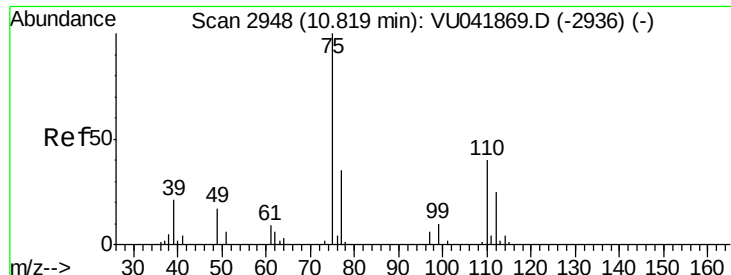
Tot Ion: 43 Resp: 16698
Ion Ratio Lower Upper
43 100
58 32.8 47.9 71.9#
57 32.1 16.5 24.7#
100 1.5 9.4 14.2#



#49
Dibromochloromethane
Concen: 3.663 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041889.D
Acq: 07 Jan 2021 21:52

Tgt Ion: 129 Resp: 33304
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.690 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041889.D

Acq: 07 Jan 2021 21:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 5544

Ion Ratio Lower Upper

75 100

77 29.7 26.2 39.2

