

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041870.D
 Acq On : 07 Jan 2021 14:17
 Operator : SY/MD
 Sample : VU109WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 04:59:01 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	155218	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	156125	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71718	5.00	ug/L	0.00

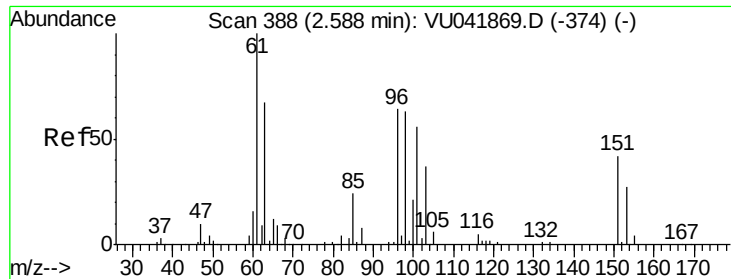
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47290	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.92	69	51068	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.58	63	71964	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.66	46	162474	46.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.22%
24) Chloroform-d	5.08	84	98366	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.72	65	55754	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.74	84	190332	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.70	67	61708	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.90	98	161046	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.18	79	24036	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.64	63	147792	42.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	60385	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	65009	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	581	0.054	ug/L #	22
16) Methylene chloride	3.06	84	1808	0.144	ug/L	83
25) Chloroform	5.10	83	1201	0.059	ug/L	96
27) 1,2-Dichloroethane	5.74	62	920	0.066	ug/L #	73
34) Trichloroethene	6.26	95	2300	0.183	ug/L #	7
35) Methylcyclohexane	6.70	83	14654	0.723	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6612	0.518	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1433	0.076	ug/L	83
44) trans-1,3-Dichloropropene	8.19	75	858	0.051	ug/L #	64
48) 2-Hexanone	8.64	43	14373	2.173	ug/L #	68
59) 1,2,3-Trichloropropane	11.80	75	7192	0.750	ug/L	94

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



#10

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

Concen: 0.054 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

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MSVOA_U

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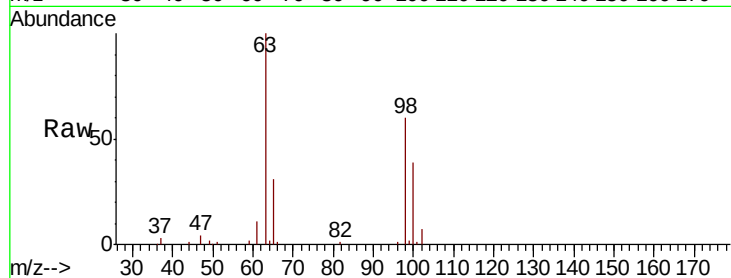
Tot Ion:101 Resp: 581

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

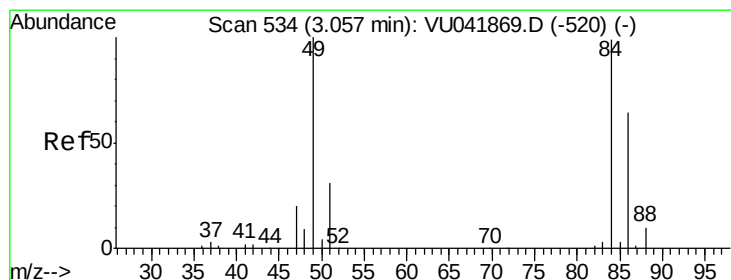
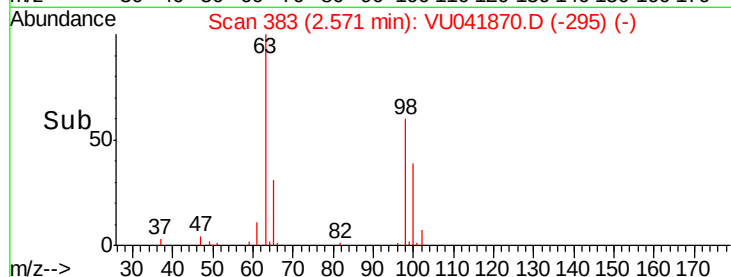
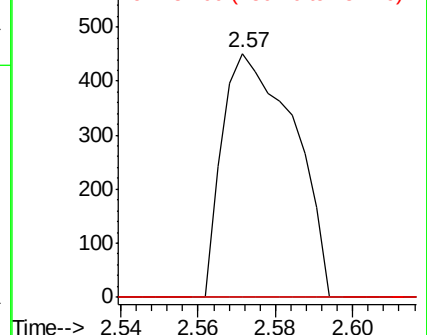
151 0.0 56.2 84.4#



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



#16

Methylene chloride

Concen: 0.144 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041870.D

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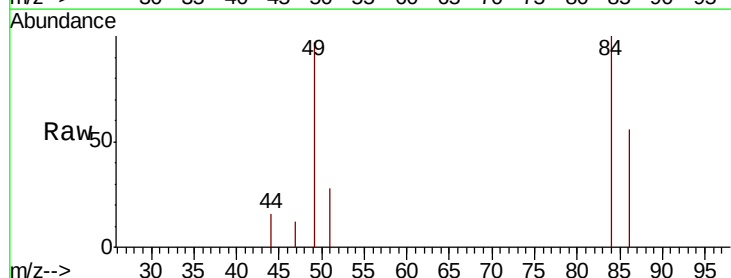
Tgt Ion: 84 Resp: 1808

Ion Ratio Lower Upper

84 100

86 55.8 45.1 83.7

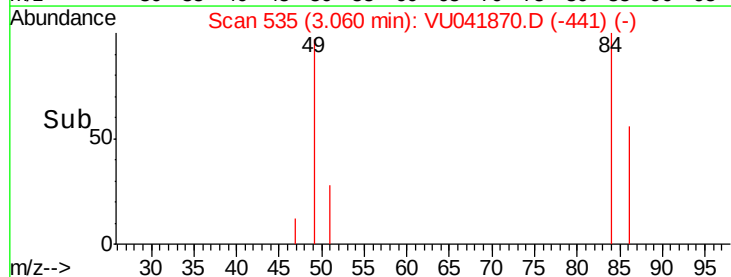
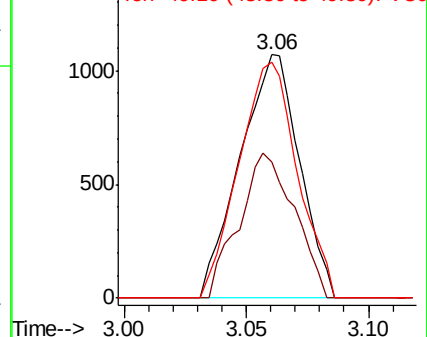
49 97.1 83.1 154.3

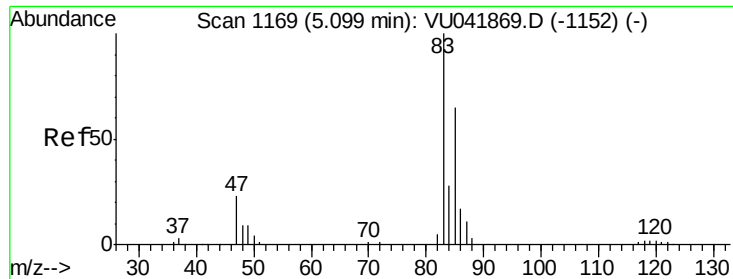


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

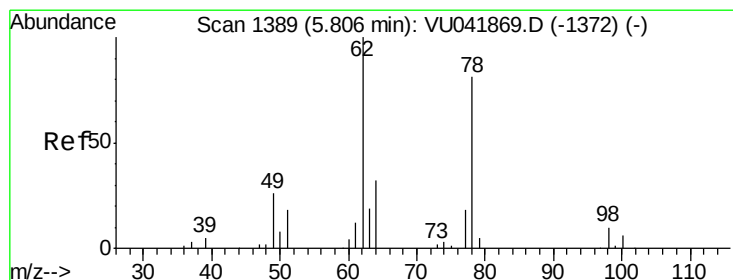
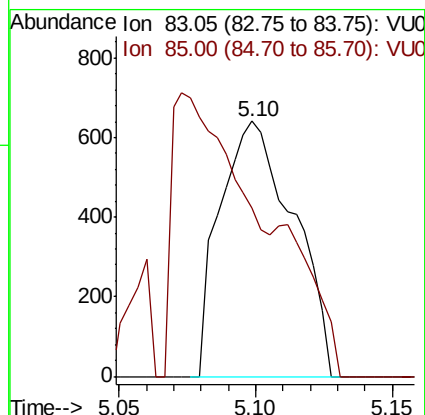
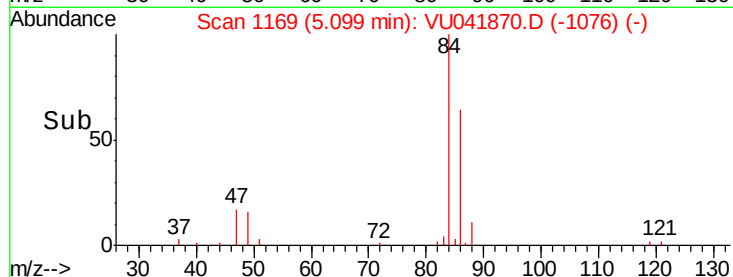
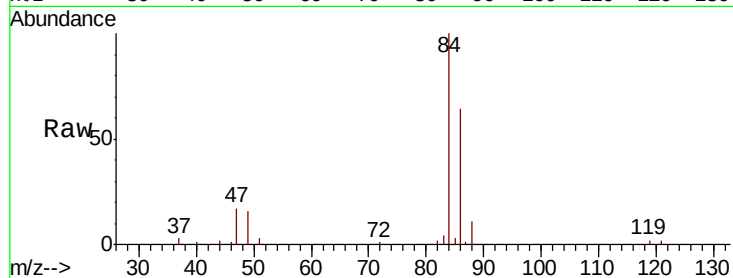




#25
Chloroform
Concen: 0.059 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. 0.00 min
Lab File: VU041870.D
Acq: 07 Jan 2021 14:17

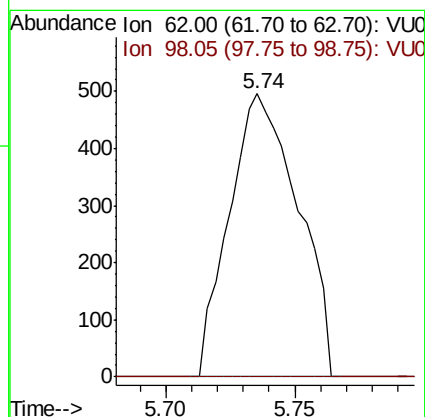
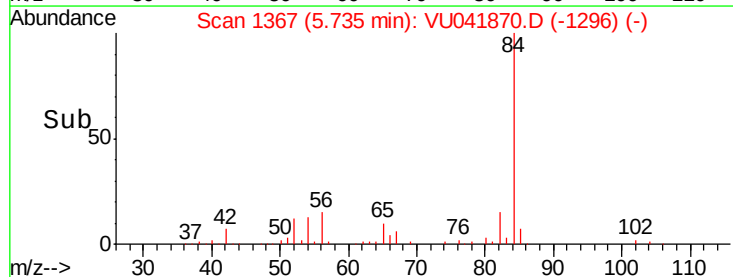
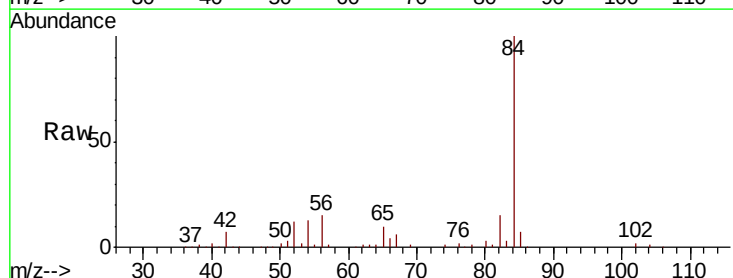
Instrument :
MSVOA_U
ClientSampleId :

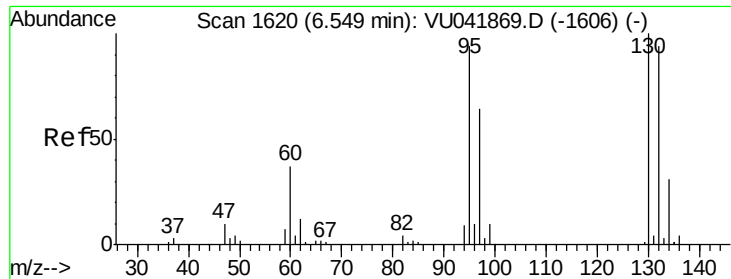
Tot Ion: 83 Resp: 1201
Ion Ratio Lower Upper
83 100
85 65.8 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.066 ug/L
RT: 5.74 min Scan# 1367
Delta R.T. -0.07 min
Lab File: VU041870.D
Acq: 07 Jan 2021 14:17

Tgt Ion: 62 Resp: 920
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#

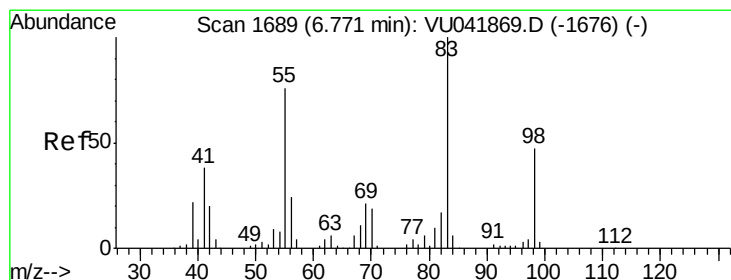
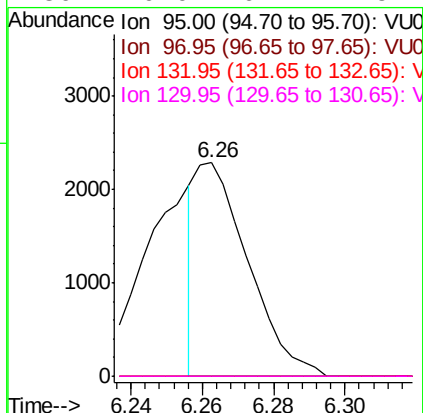
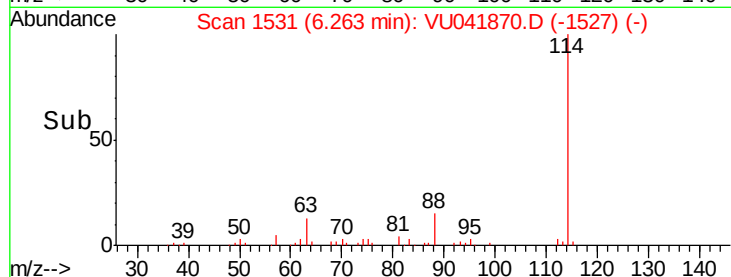
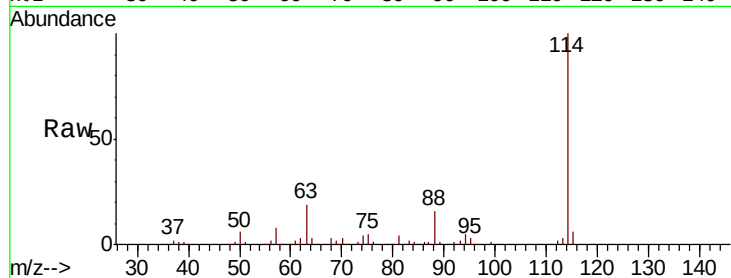




#34
 Trichloroethene
 Concen: 0.183 ug/L
 RT: 6.26 min Scan# 1531
 Delta R.T. -0.29 min
 Lab File: VU041870.D
 Acq: 07 Jan 2021 14:17

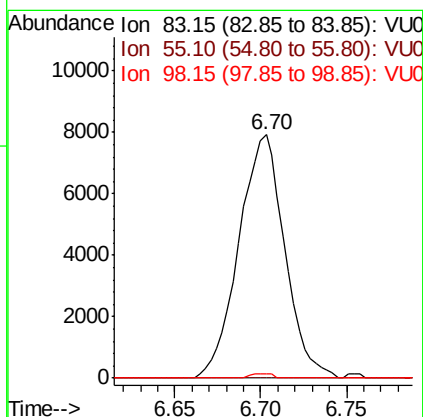
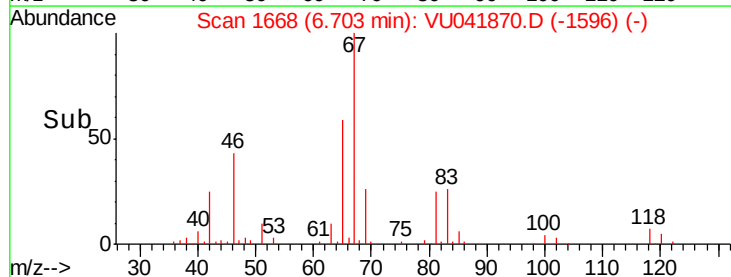
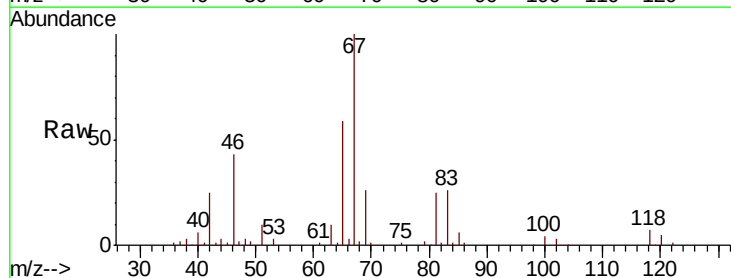
Instrument :
 MSVOA_U
 ClientSampleId :

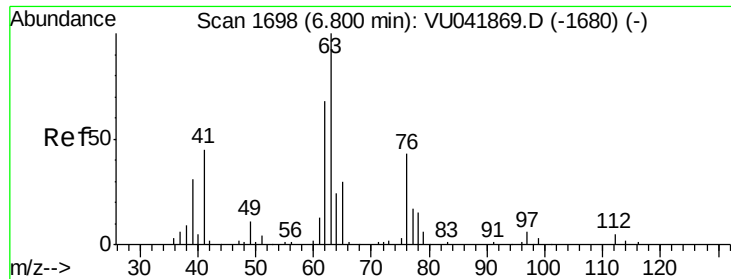
Tot Ion: 95 Resp: 2300
 Ion Ratio Lower Upper
 95 100
 97 0.0 43.9 81.5#
 132 0.0 63.1 117.3#
 130 0.0 67.4 125.2#



#35
 Methylcyclohexane
 Concen: 0.723 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041870.D
 Acq: 07 Jan 2021 14:17

Tgt Ion: 83 Resp: 14654
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.8 36.6 54.8#

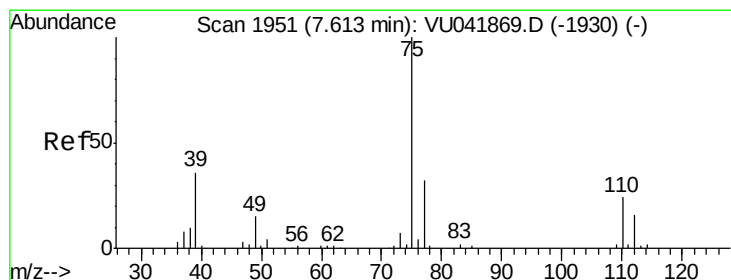
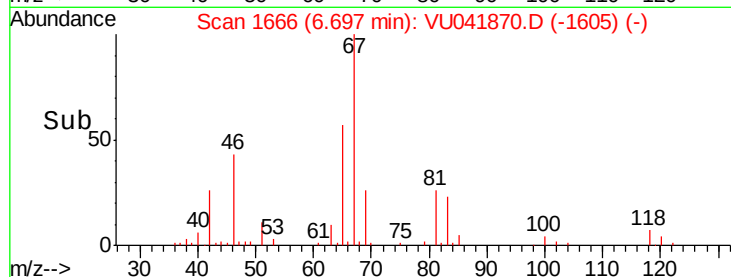
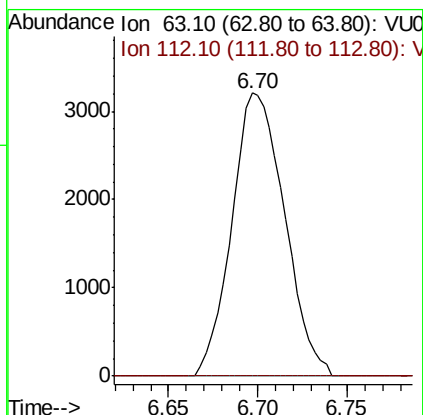
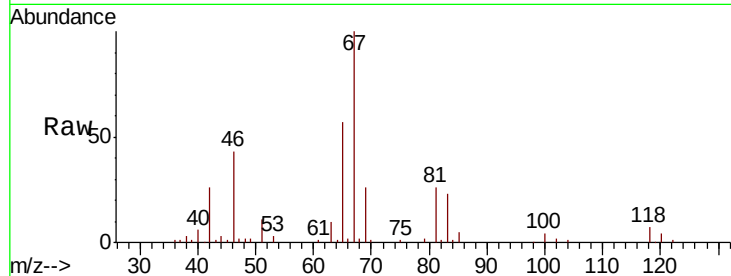




#37
 1,2-Dichloropropane
 Concen: 0.518 ug/L
 RT: 6.70 min Scan# 1666
 Delta R.T. -0.10 min
 Lab File: VU041870.D
 Acq: 07 Jan 2021 14:17

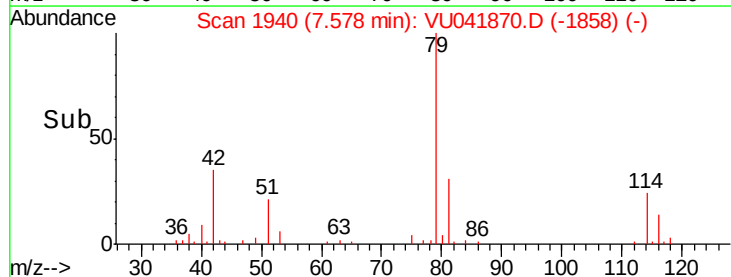
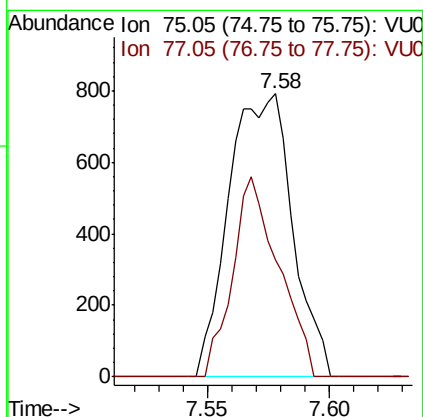
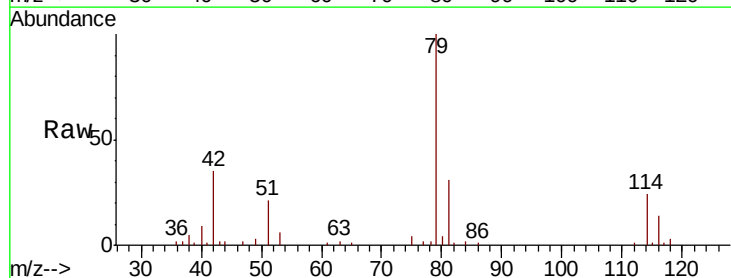
Instrument :
 MSVOA_U
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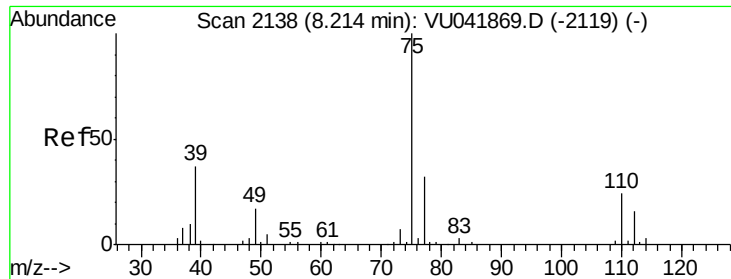
Tot Ion: 63 Resp: 6612
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041870.D
 Acq: 07 Jan 2021 14:17

Tgt Ion: 75 Resp: 1433
 Ion Ratio Lower Upper
 75 100
 77 41.2 22.3 41.3

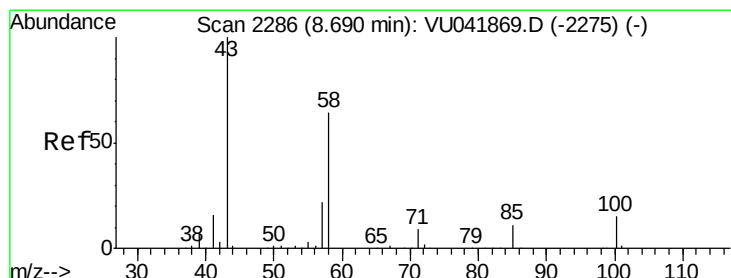
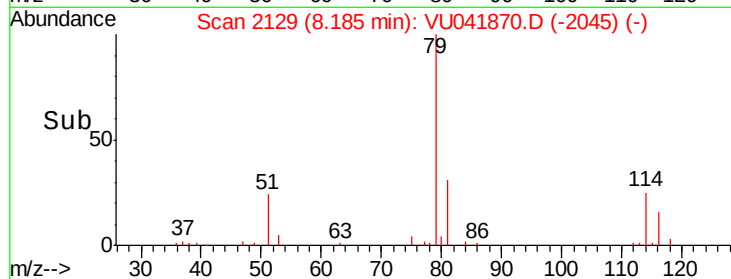
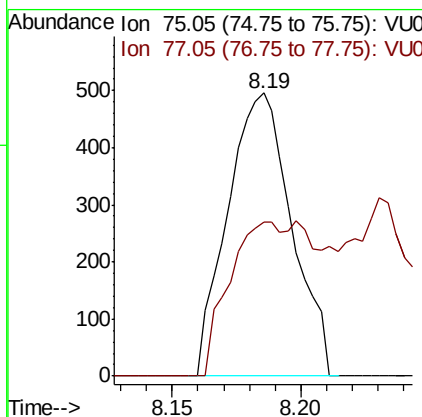
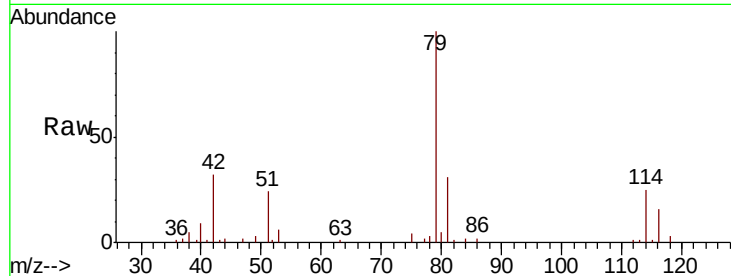




#44
trans-1,3-Dichloropropene
Concen: 0.051 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041870.D
Acq: 07 Jan 2021 14:17

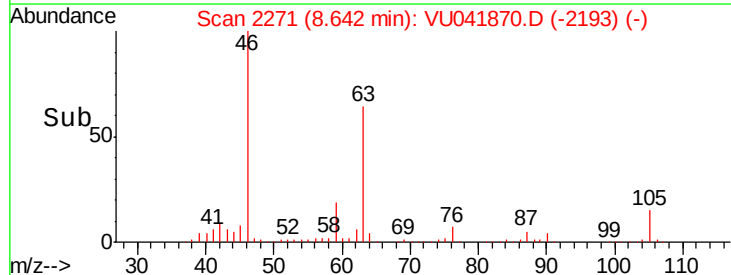
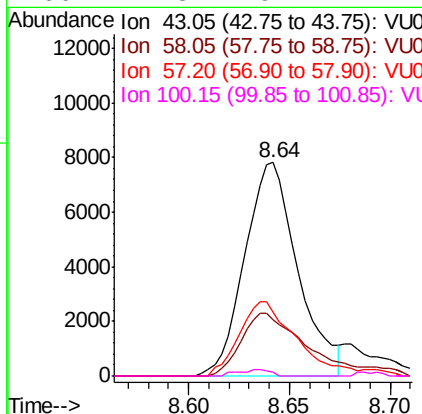
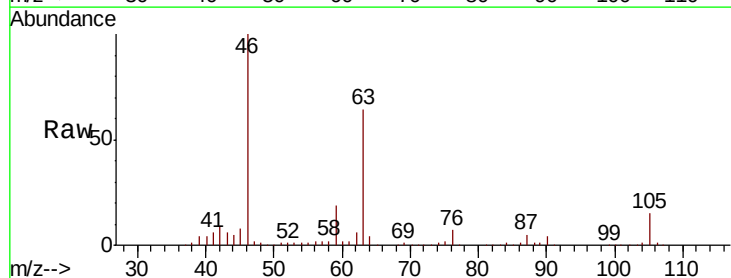
Instrument :
MSVOA_U
ClientSampled :

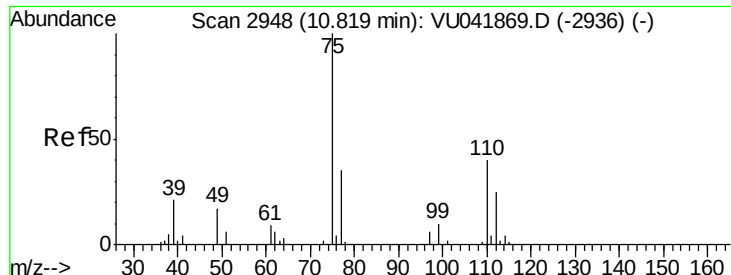
Tot Ion: 75 Resp: 858
Ion Ratio Lower Upper
75 100
77 54.6 23.8 44.2#



#48
2-Hexanone
Concen: 2.173 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041870.D
Acq: 07 Jan 2021 14:17

Tgt Ion: 43 Resp: 14373
Ion Ratio Lower Upper
43 100
58 35.3 47.9 71.9#
57 37.3 16.5 24.7#
100 1.8 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.750 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU041870.D

Acq: 07 Jan 2021 14:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7192

Ion Ratio Lower Upper

75 100

77 35.8 26.2 39.2

