

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010421\
 Data File : VU041843.D
 Acq On : 04 Jan 2021 14:15
 Operator : SY/MD
 Sample : L5254-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 05 01:01:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 05 01:00:34 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	176665	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	170486	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	72153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46663	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.92	69	44763	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.57	63	67739	2.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.20%#
20) 2-Butanone-d5	4.65	46	142870	36.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.02%
24) Chloroform-d	5.08	84	93074	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.71	65	51156	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.20%
32) Benzene-d6	5.74	84	187194	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.60%
36) 1,2-Dichloropropane-d6	6.70	67	61390	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.20%
41) Toluene-d8	7.90	98	145964	3.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.20%#
43) trans-1,3-Dichloropropene-	8.18	79	22870	3.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.40%
46) 2-Hexanone-d5	8.64	63	117955	31.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	62.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50507	3.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	52640	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

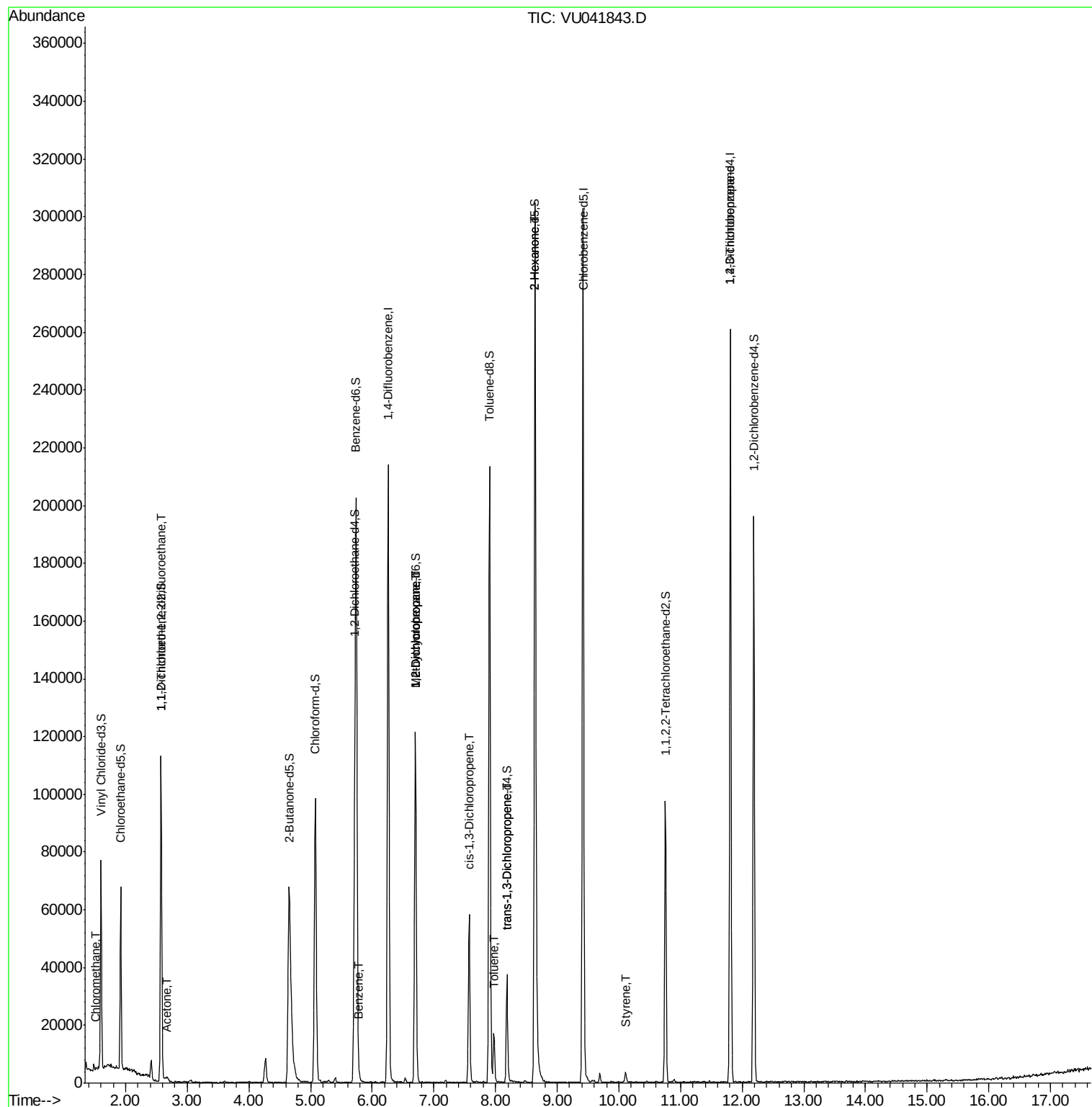
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	797	0.055	ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	558	0.046	ug/L #	22
13) Acetone	2.67	43	1951	0.773	ug/L	79
33) Benzene	5.79	78	1587	0.029	ug/L	100
35) Methylcyclohexane	6.70	83	14096	0.636	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6561	0.470	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1445	0.070	ug/L #	70
42) Toluene	7.97	91	12217	0.217	ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	786	0.043	ug/L #	48
48) 2-Hexanone	8.64	43	15286	2.117	ug/L #	69
55) Styrene	10.12	104	1709	0.045	ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	8245	0.787	ug/L	97

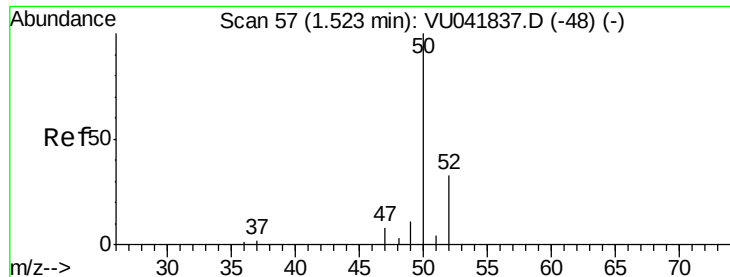
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.055 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041843.D

Acq: 04 Jan 2021 14:15

Instrument :

MSVOA_U

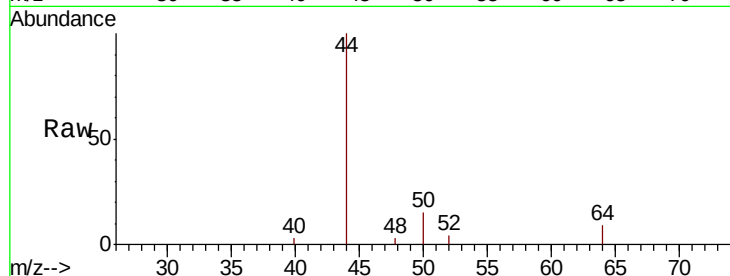
ClientSampleId :

Tot Ion: 50 Resp: 797

Ion Ratio Lower Upper

50 100

52 25.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041843.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041843.D (-1) (-)

1.53

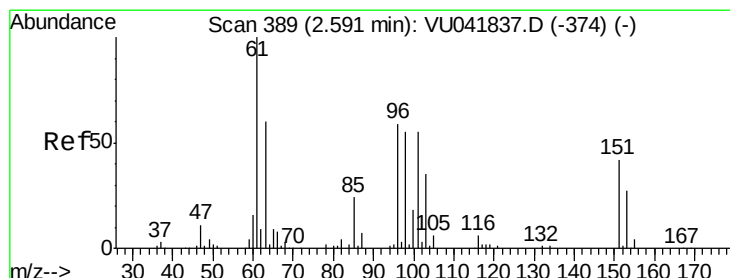
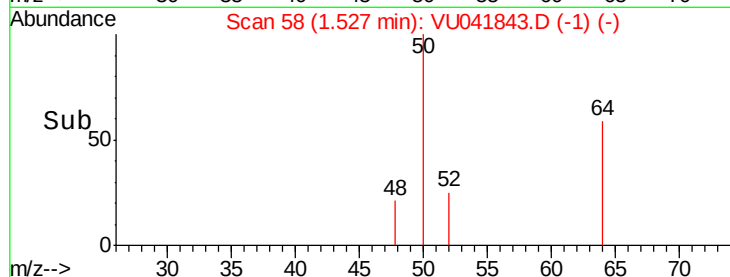
600

400

200

0

Time--> 1.48 1.50 1.52 1.54 1.56



#10

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

Concen: 0.046 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041843.D

Acq: 04 Jan 2021 14:15

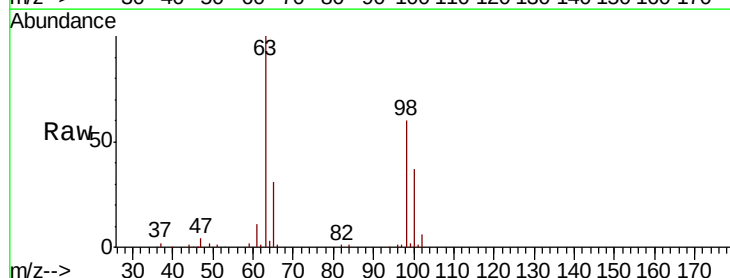
Tgt Ion: 101 Resp: 558

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): VU041843.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VU041843.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VU041843.D (-296) (-)

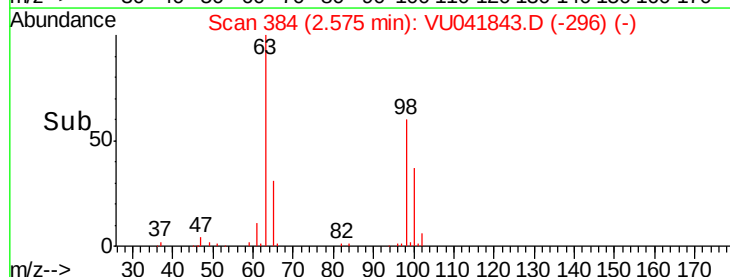
600

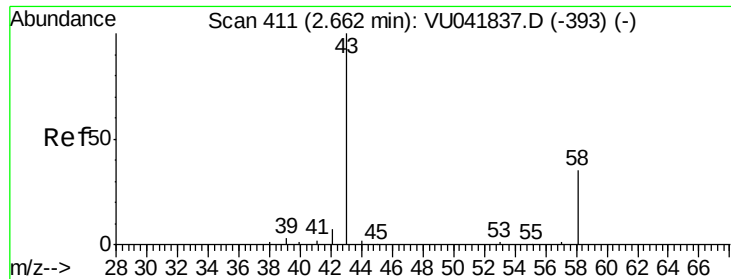
400

200

0

Time--> 2.54 2.56 2.58 2.60





#13

Acetone

Concen: 0.773 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU041843.D

Acq: 04 Jan 2021 14:15

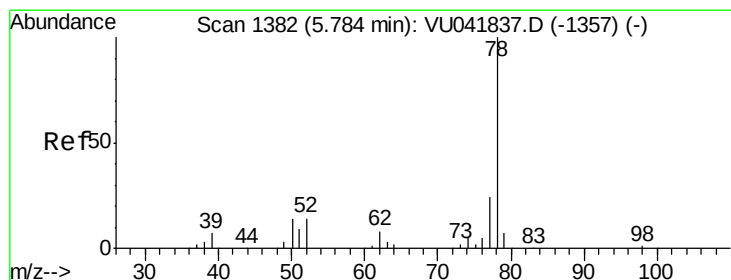
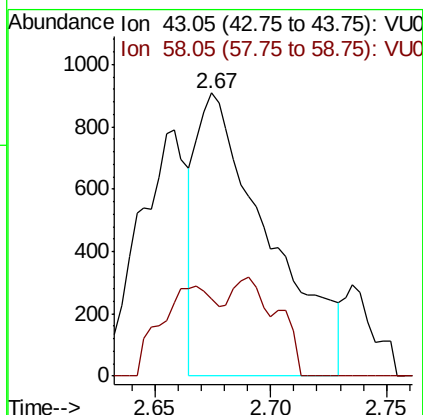
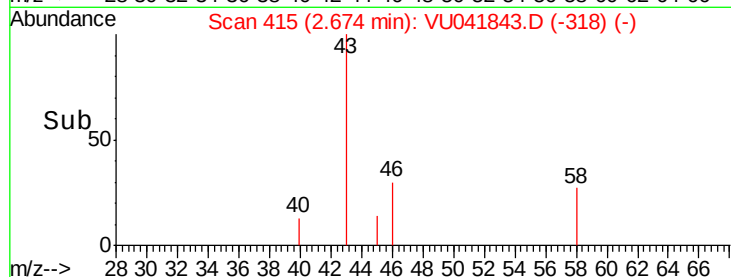
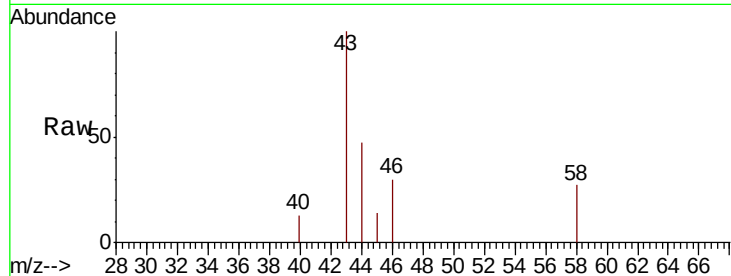
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1951

Ion Ratio Lower Upper

43 100

58 24.2 0.0 73.2



#33

Benzene

Concen: 0.029 ug/L

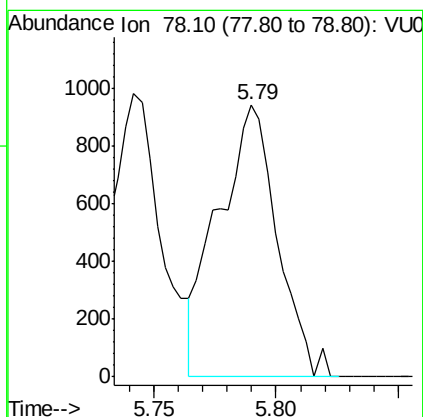
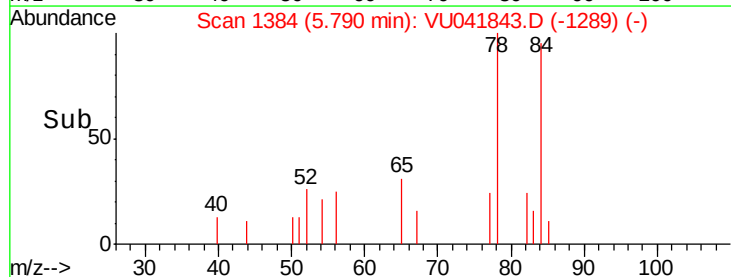
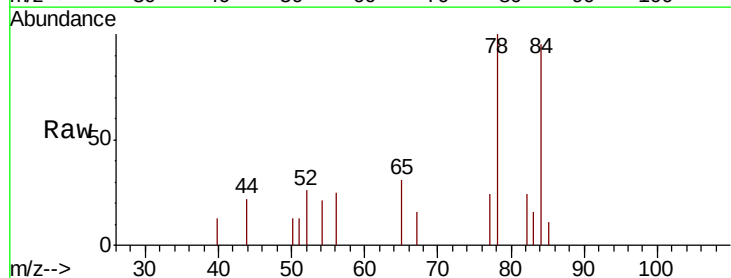
RT: 5.79 min Scan# 1384

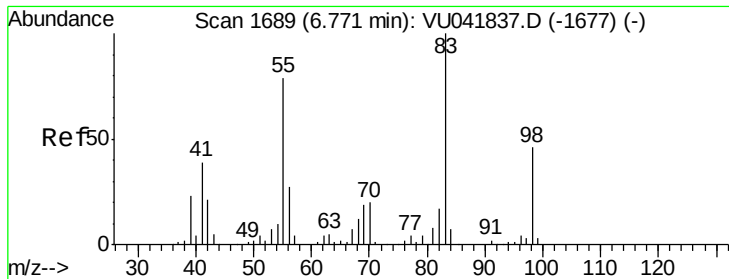
Delta R.T. 0.01 min

Lab File: VU041843.D

Acq: 04 Jan 2021 14:15

Tgt Ion: 78 Resp: 1587

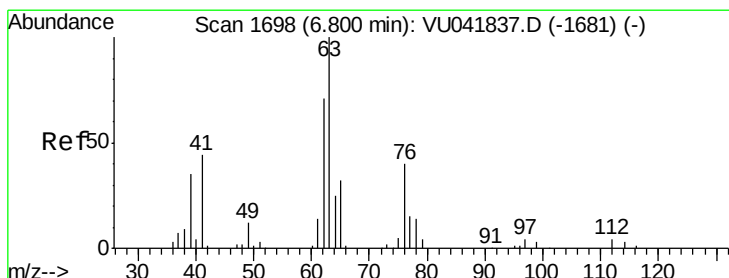
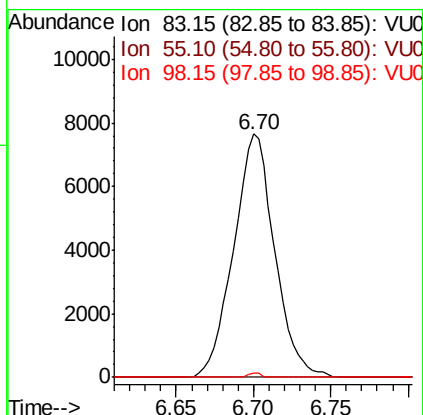
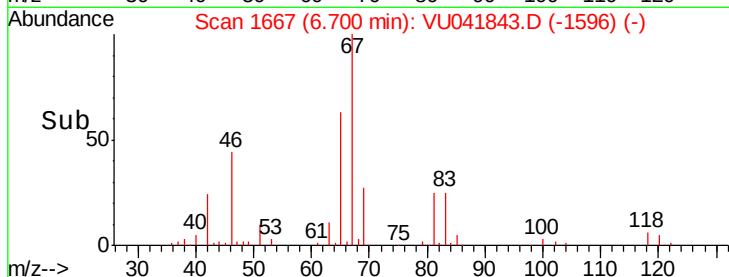
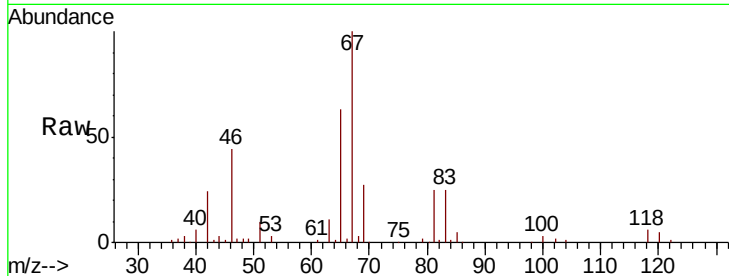




#35
Methvlcvclohexane
Concen: 0.636 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041843.D
Acq: 04 Jan 2021 14:15

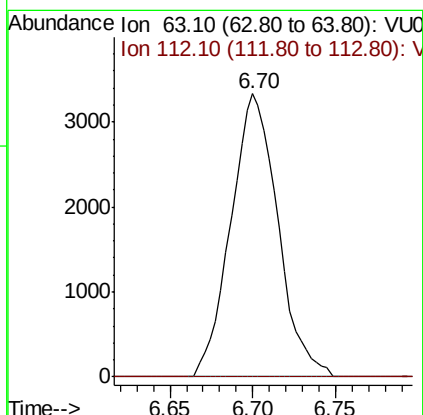
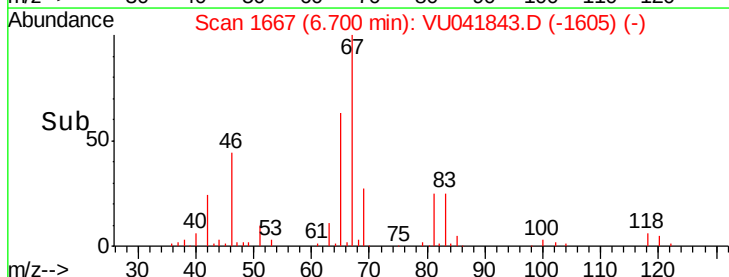
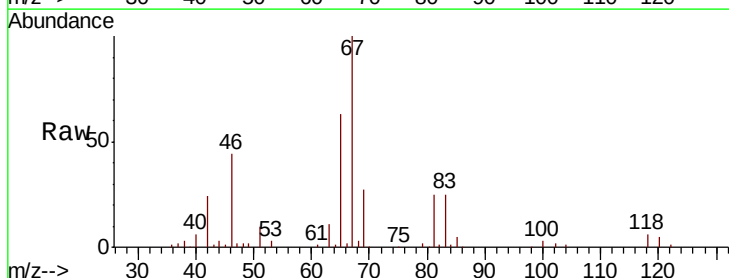
Instrument :
MSVOA_U
ClientSampleId :

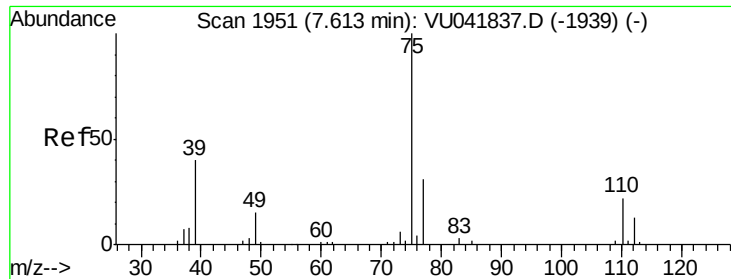
Tot Ion: 83 Resp: 14096
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.5 36.6 54.8#



#37
1,2-Dichloropropane
Concen: 0.470 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041843.D
Acq: 04 Jan 2021 14:15

Tgt Ion: 63 Resp: 6561
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

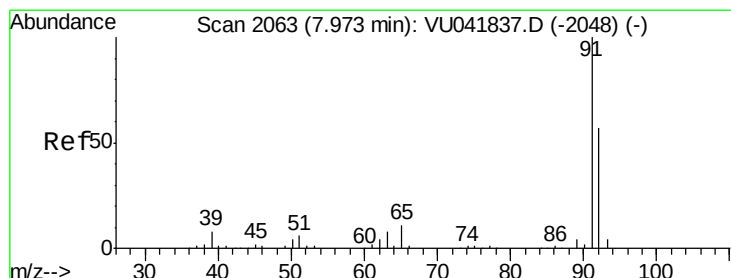
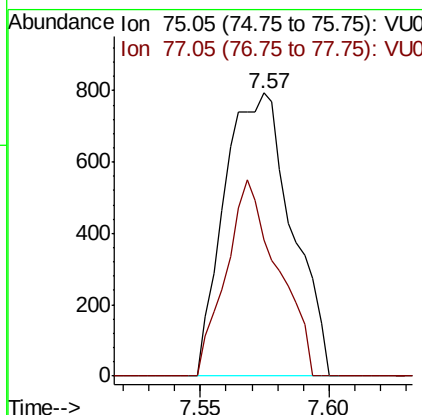
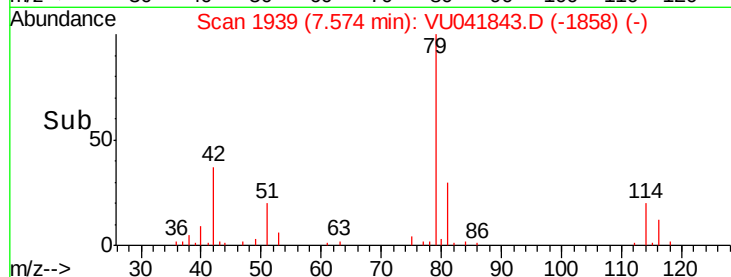
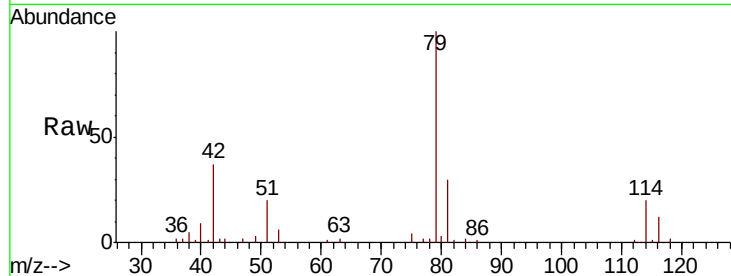




#39
 cis-1,3-Dichloropropene
 Concen: 0.070 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041843.D
 Acq: 04 Jan 2021 14:15

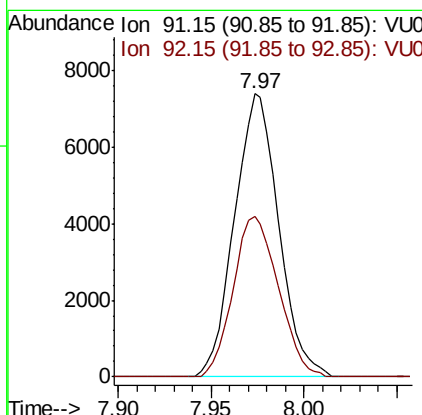
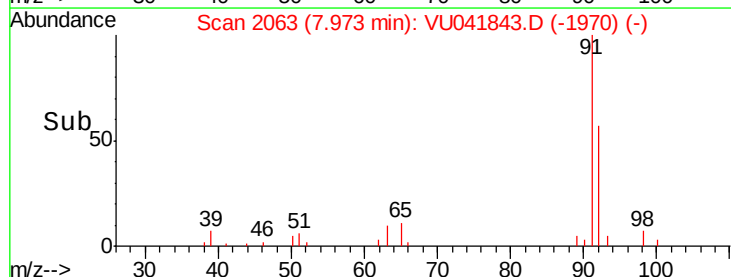
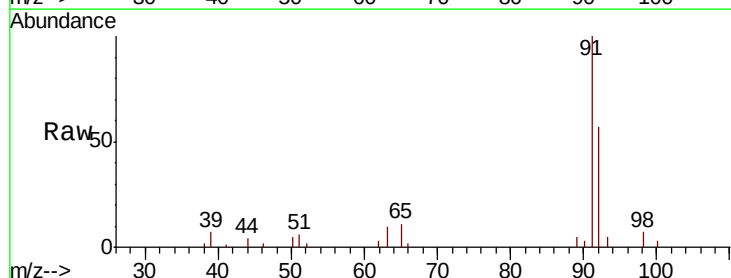
Instrument :
 MSVOA_U
 ClientSampleId :

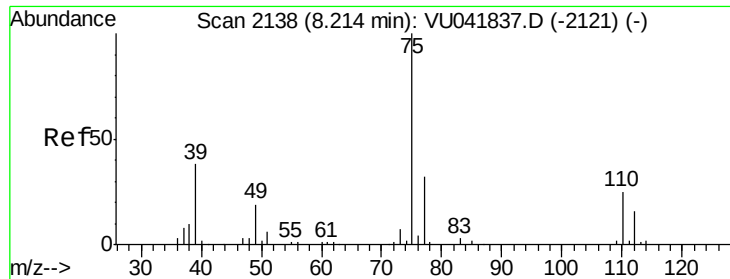
Tot Ion: 75 Resp: 1445
 Ion Ratio Lower Upper
 75 100
 77 48.3 22.3 41.3#



#42
 Toluene
 Concen: 0.217 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VU041843.D
 Acq: 04 Jan 2021 14:15

Tgt Ion: 91 Resp: 12217
 Ion Ratio Lower Upper
 91 100
 92 56.6 40.0 74.2

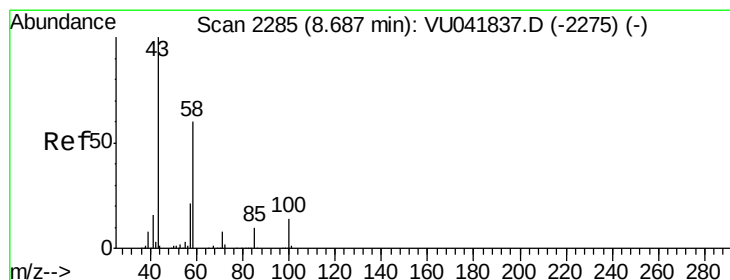
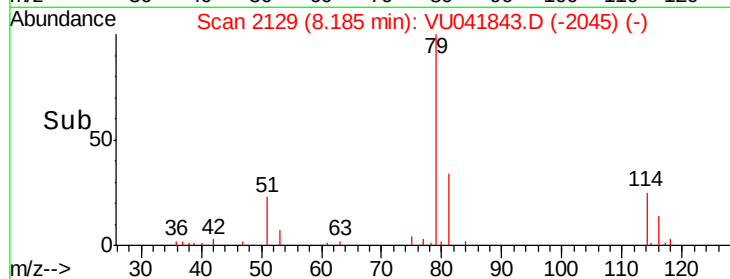
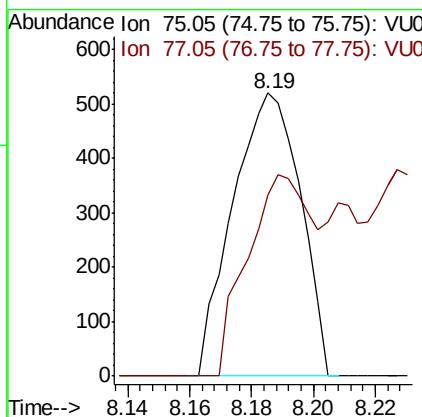
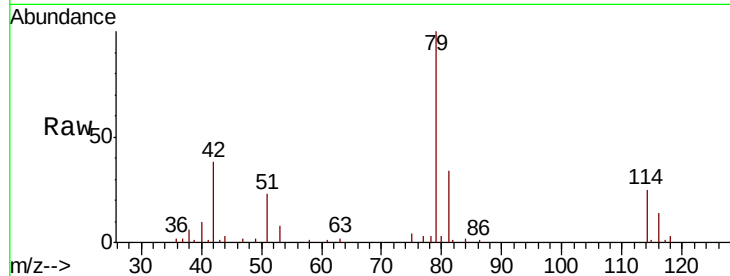




#44
trans-1,3-Dichloropropene
Concen: 0.043 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041843.D
Acq: 04 Jan 2021 14:15

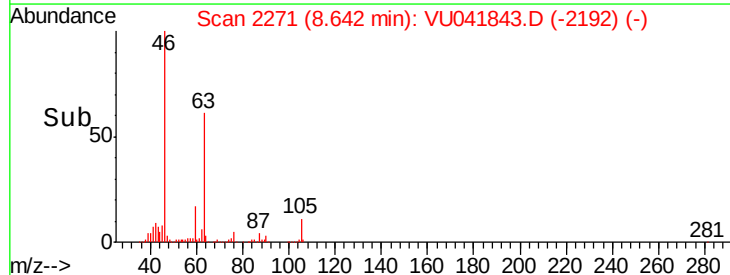
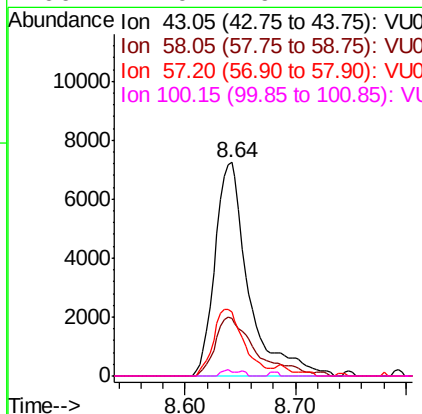
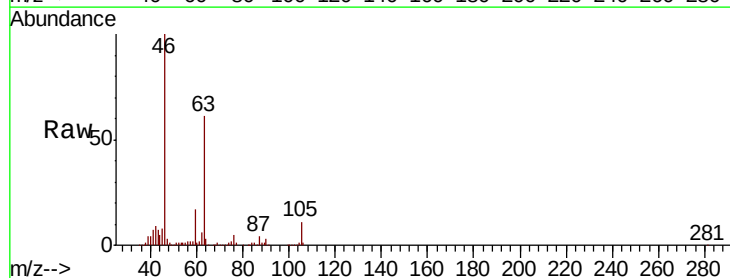
Instrument :
MSVOA_U
ClientSampleId :

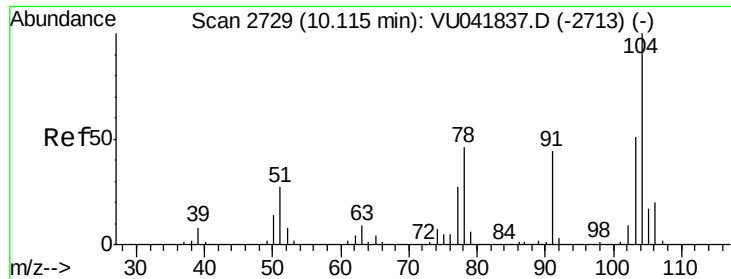
Tot Ion: 75 Resp: 786
Ion Ratio Lower Upper
75 100
77 64.0 23.8 44.2#



#48
2-Hexanone
Concen: 2.117 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041843.D
Acq: 04 Jan 2021 14:15

Tgt Ion: 43 Resp: 15286
Ion Ratio Lower Upper
43 100
58 32.8 47.9 71.9#
57 28.5 16.5 24.7#
100 1.0 9.4 14.2#





#55

Stvrene

Concen: 0.045 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU041843.D

Acq: 04 Jan 2021 14:15

Instrument :

MSVOA_U

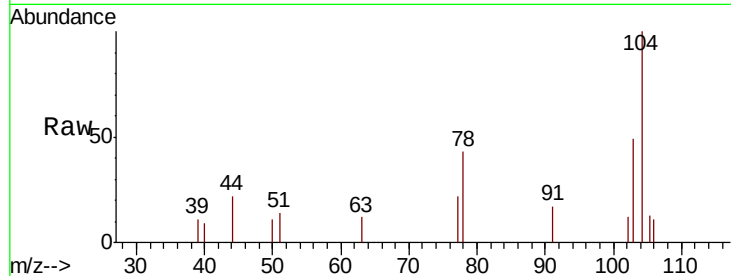
ClientSampled :

Tot Ion:104 Resp: 1709

Ion Ratio Lower Upper

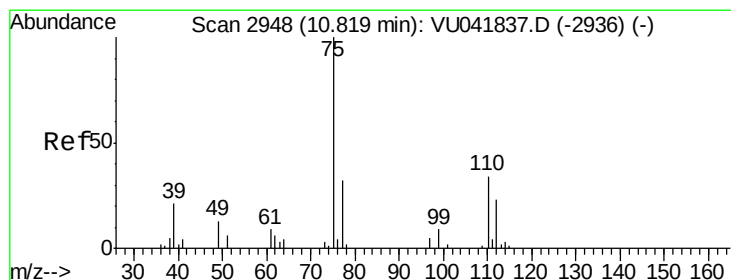
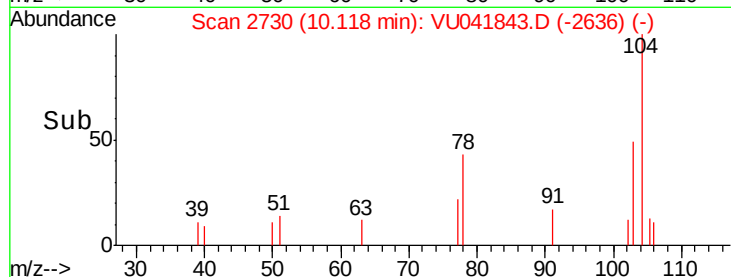
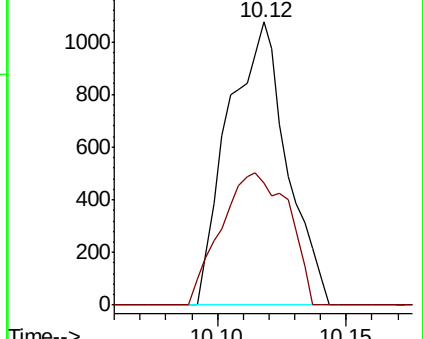
104 100

78 43.0 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): VU041837.D

Ion 78.10 (77.80 to 78.80): VU041837.D



#59

1,2,3-Trichloropropane

Concen: 0.787 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041843.D

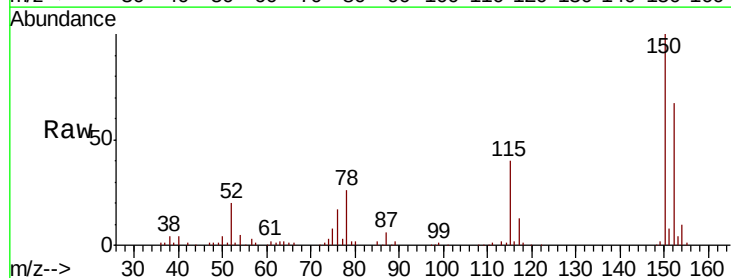
Acq: 04 Jan 2021 14:15

Tgt Ion: 75 Resp: 8245

Ion Ratio Lower Upper

75 100

77 34.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041837.D

Ion 77.00 (76.70 to 77.70): VU041837.D

