

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010421\
 Data File : VU041844.D
 Acq On : 04 Jan 2021 14:38
 Operator : SY/MD
 Sample : L5254-01 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 05 01:02:11 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	161862	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	142678	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54615	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.92	69	53465	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.58	63	87105	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.66	46	162404	44.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.36%
24) Chloroform-d	5.08	84	108730	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.72	65	59904	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.74	84	221672	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
36) 1,2-Dichloropropane-d6	6.70	67	72682	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.40%
41) Toluene-d8	7.91	98	166703	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	24913	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	128727	40.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56183	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	61070	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	5348	0.401 ug/L #	61
5) Vinyl chloride	1.61	62	16466	1.119 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	677	0.061 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	15614	1.422 ug/L #	37
14) Carbon disulfide	2.87	76	4111	0.108 ug/L	97
16) Methylene chloride	3.06	84	2081	0.159 ug/L	84
18) trans-1,2-Dichloroethene	3.37	96	3643	0.321 ug/L	93
19) 1,1-Dichloroethane	3.89	63	30565	1.440 ug/L	94
22) cis-1,2-Dichloroethene	4.68	96	65879	5.248 ug/L	97
34) Trichloroethene	6.55	95	136089	11.869 ug/L	98
35) Methylcyclohexane	6.70	83	16949	0.914 ug/L #	18
39) cis-1,3-Dichloropropene	7.57	75	1324	0.077 ug/L #	58
44) trans-1,3-Dichloropropene	8.19	75	947	0.061 ug/L #	43
48) 2-Hexanone	8.64	43	15660	2.591 ug/L #	64
59) 1,2,3-Trichloropropane	11.81	75	7834	0.894 ug/L	100

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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

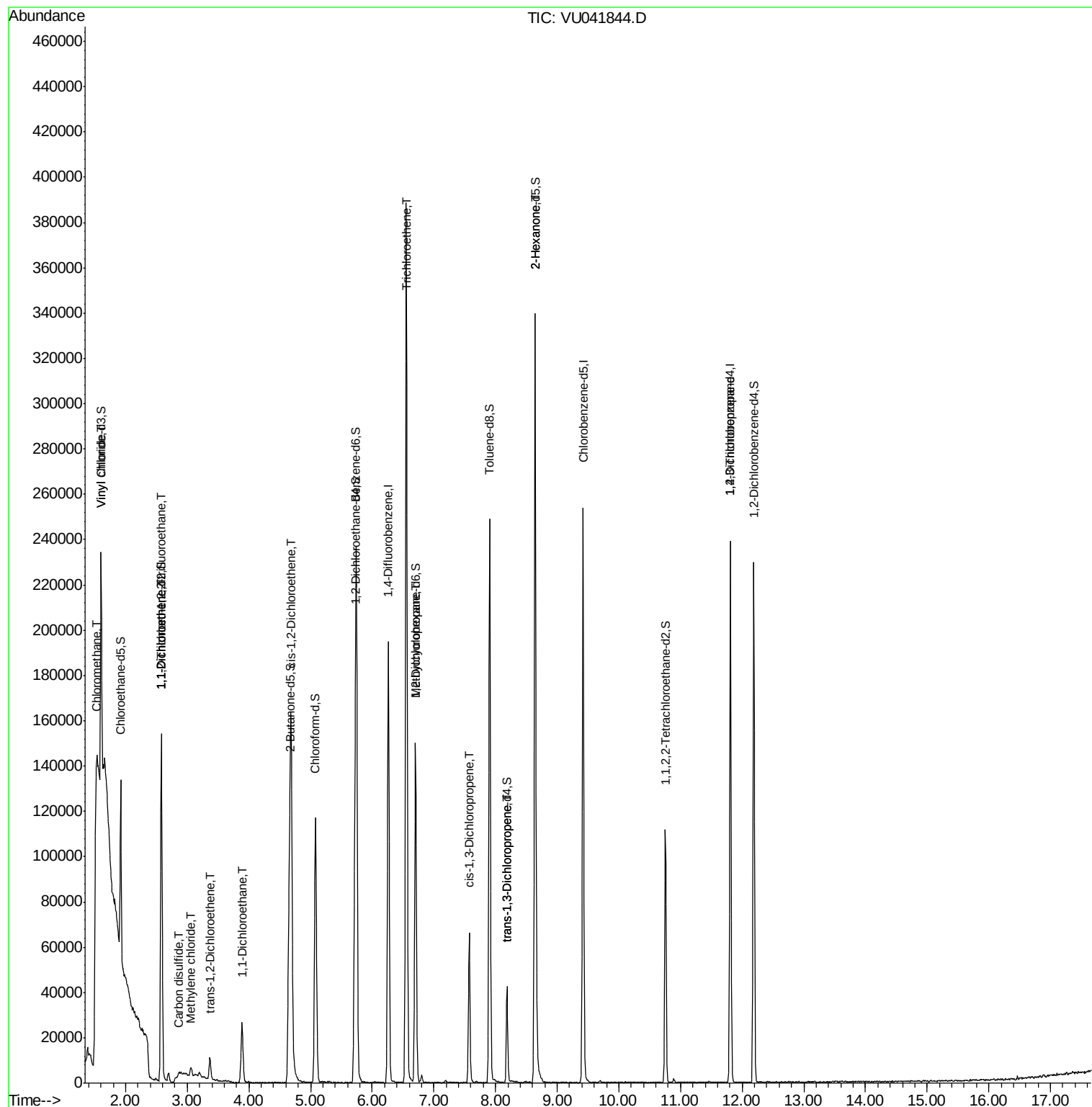
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

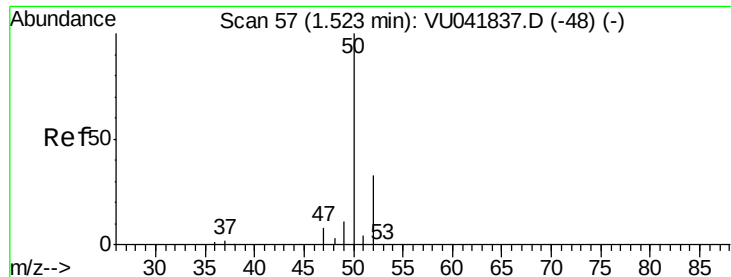
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.401 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041844.D

Acq: 04 Jan 2021 14:38

Instrument :

MSVOA_U

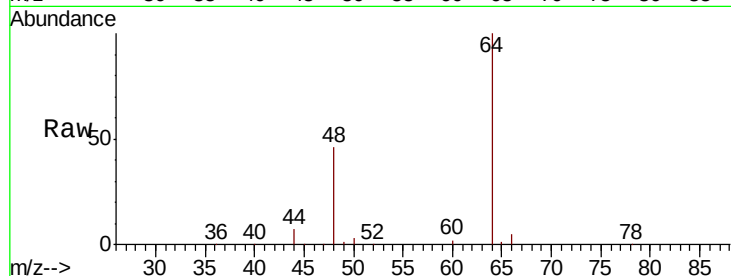
ClientSampled :

Tot Ion: 50 Resp: 5348

Ion Ratio Lower Upper

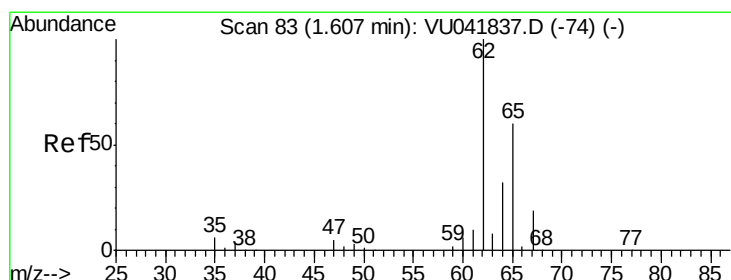
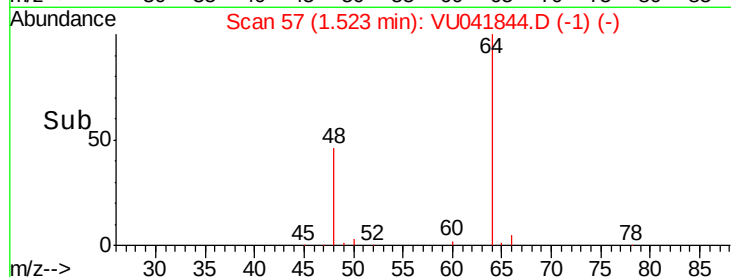
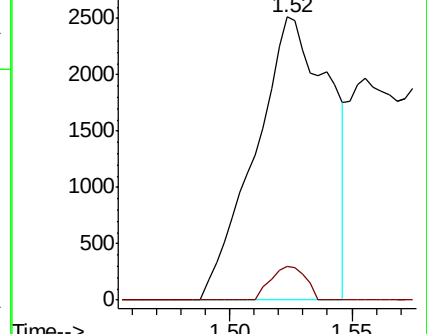
50 100

52 12.0 24.1 44.8#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 1.119 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041844.D

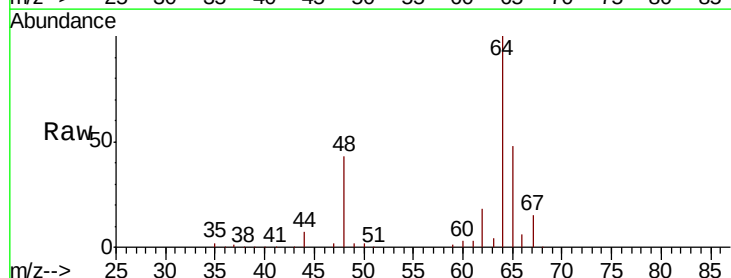
Acq: 04 Jan 2021 14:38

Tgt Ion: 62 Resp: 16466

Ion Ratio Lower Upper

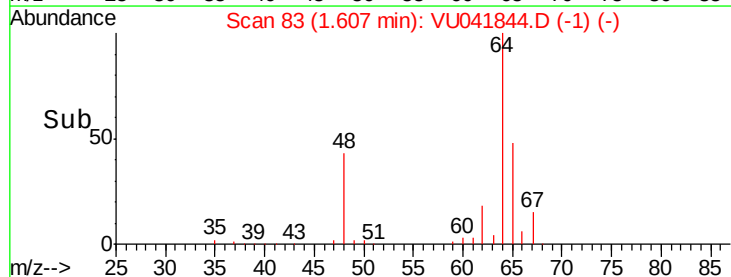
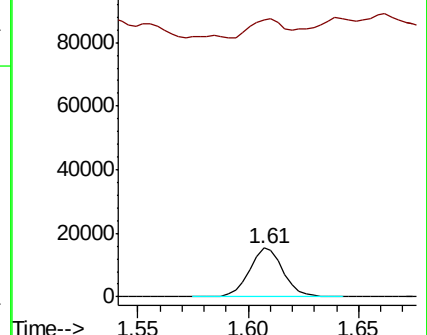
62 100

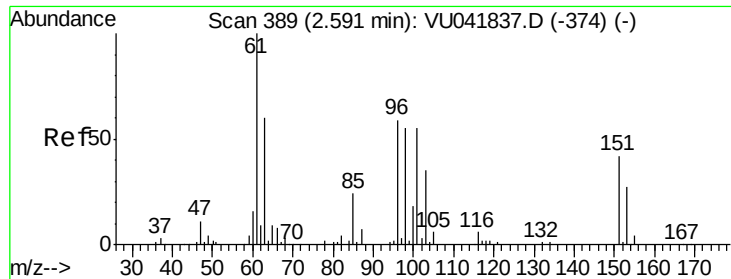
64 565.8 22.5 41.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#10

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

Concen: 0.061 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041844.D

Acq: 04 Jan 2021 14:38

Instrument :

MSVOA_U

ClientSampled :

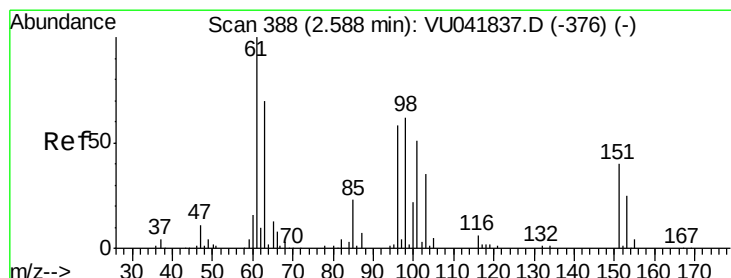
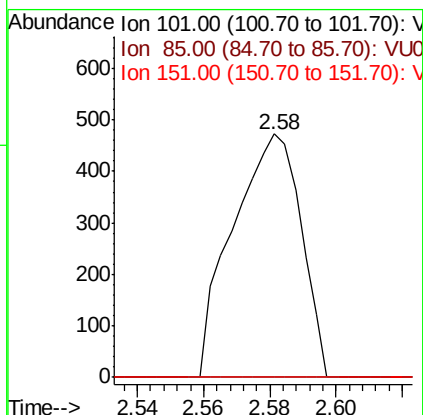
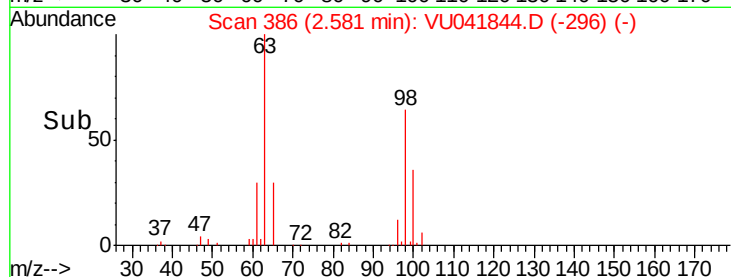
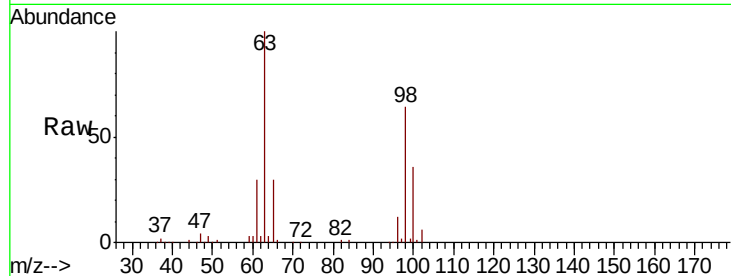
Tot Ion:101 Resp: 677

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: 1.422 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041844.D

Acq: 04 Jan 2021 14:38

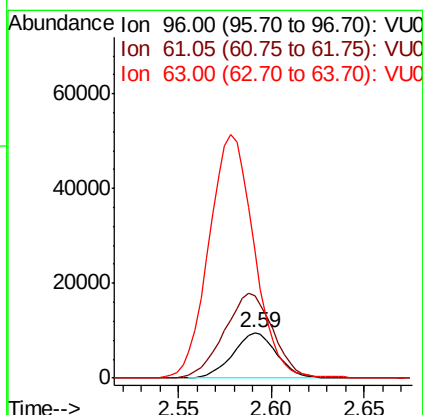
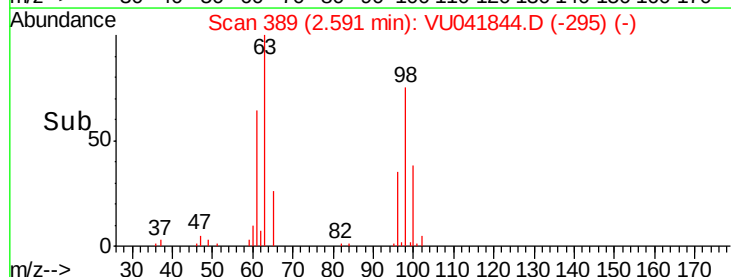
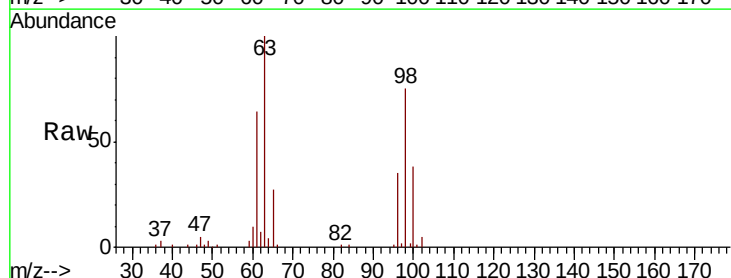
Tgt Ion: 96 Resp: 15614

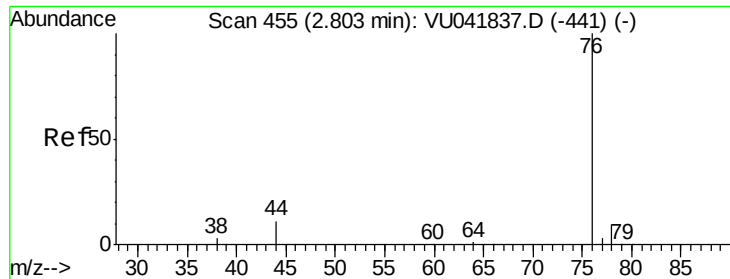
Ion Ratio Lower Upper

96 100

61 181.7 123.8 230.0

63 282.0 81.0 150.4#

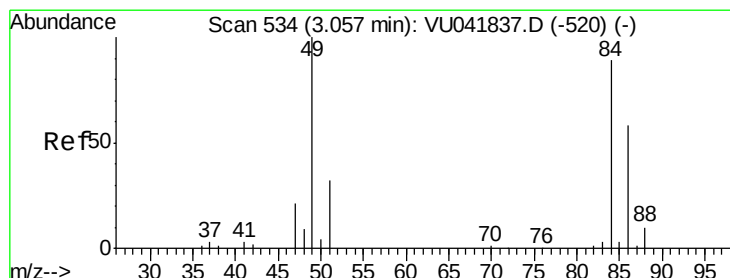
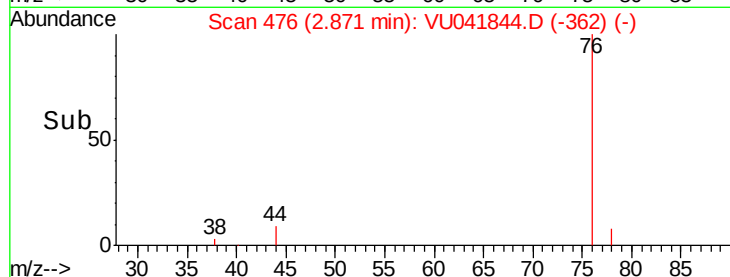
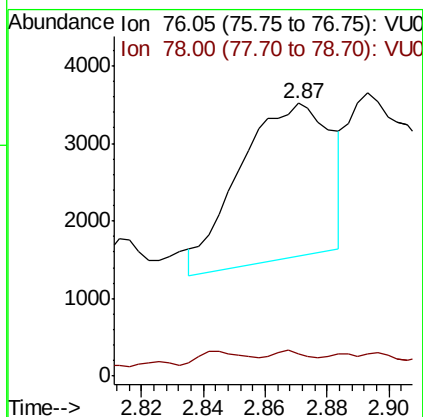
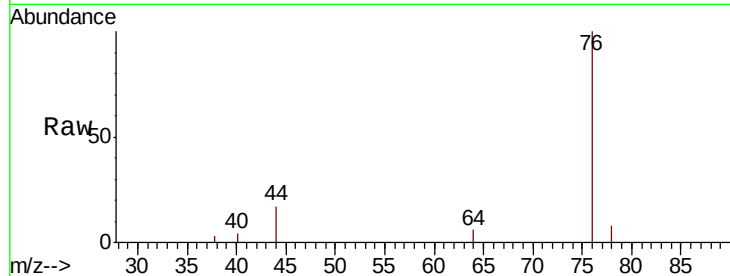




#14
Carbon disulfide
Concen: 0.108 ug/L
RT: 2.87 min Scan# 476
Delta R.T. 0.07 min
Lab File: VU041844.D
Acq: 04 Jan 2021 14:38

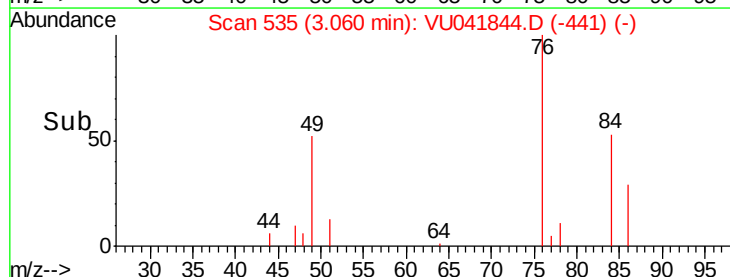
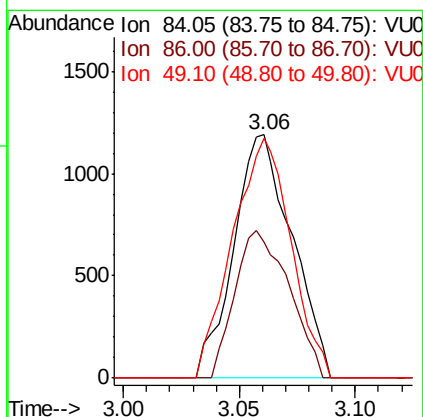
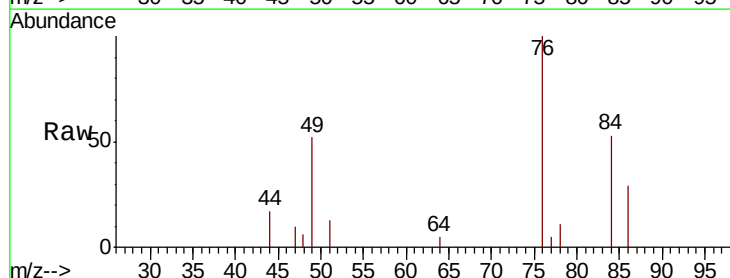
Instrument :
MSVOA_U
ClientSampled :

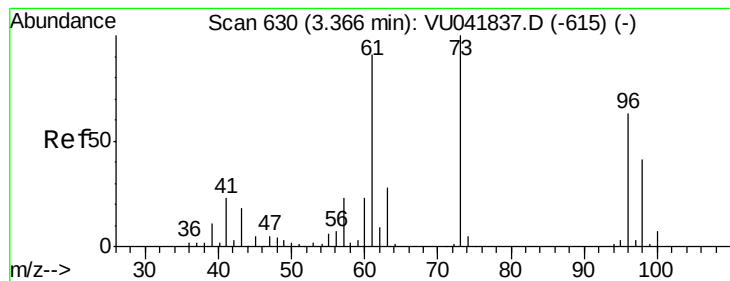
Tot Ion: 76 Resp: 4111
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#16
Methylene chloride
Concen: 0.159 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041844.D
Acq: 04 Jan 2021 14:38

Tgt Ion: 84 Resp: 2081
Ion Ratio Lower Upper
84 100
86 55.8 45.1 83.7
49 98.6 83.1 154.3





#18

trans-1,2-Dichloroethene

Concen: 0.321 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU041844.D

Acq: 04 Jan 2021 14:38

Instrument :
MSVOA_U
ClientSampleId :

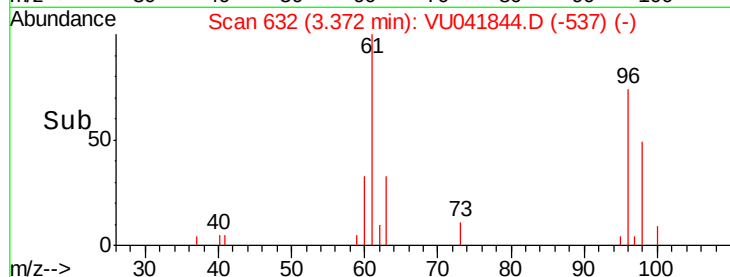
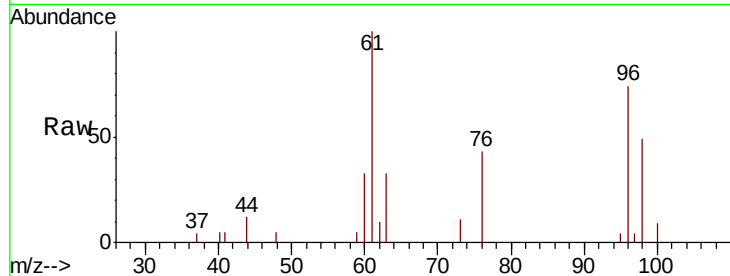
Tot Ion: 96 Resp: 3643

Ion Ratio Lower Upper

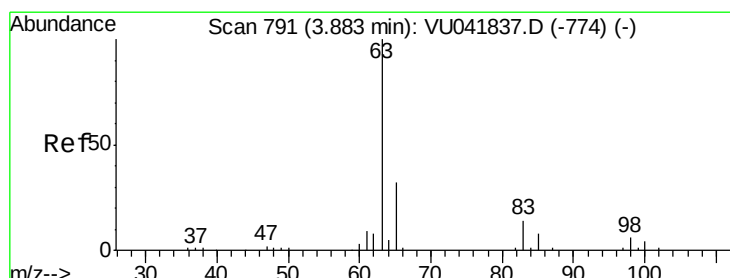
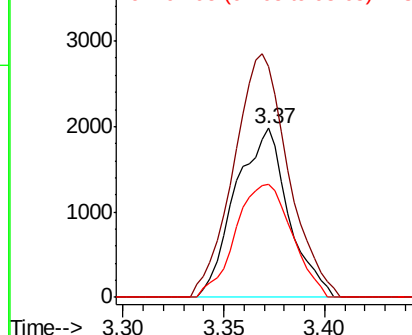
96 100

61 136.0 101.8 189.0

98 66.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 1.440 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041844.D

Acq: 04 Jan 2021 14:38

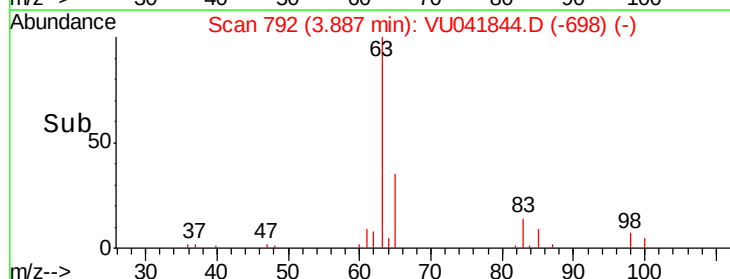
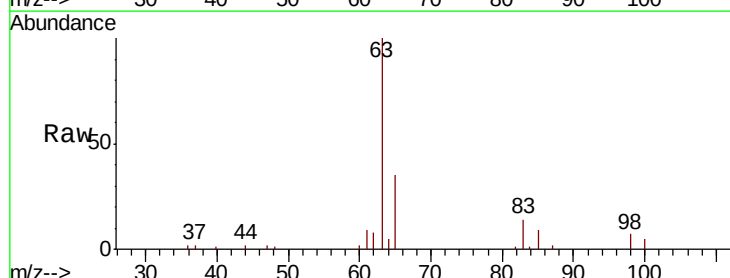
Tgt Ion: 63 Resp: 30565

Ion Ratio Lower Upper

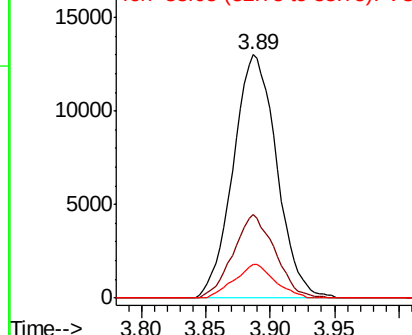
63 100

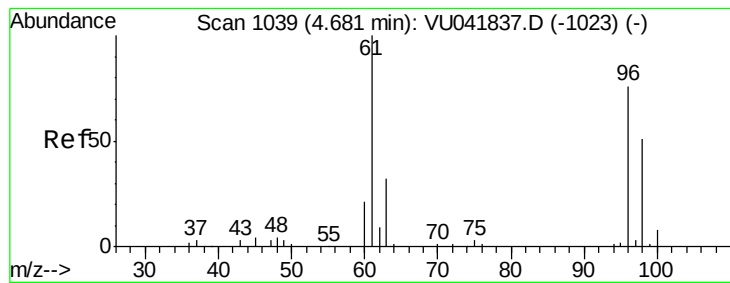
65 34.6 21.3 39.6

83 14.1 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: 5.248 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041844.D

Acq: 04 Jan 2021 14:38

Instrument :
MSVOA_U
ClientSampleId :

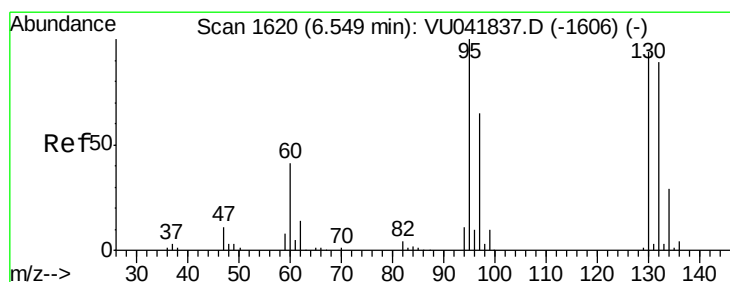
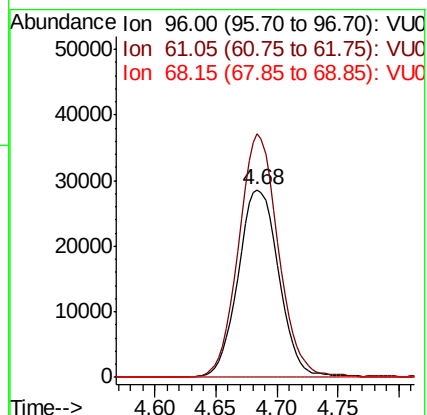
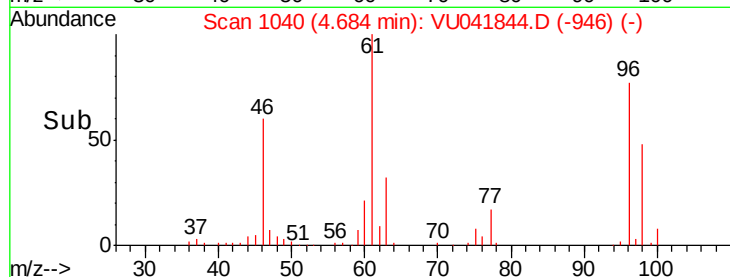
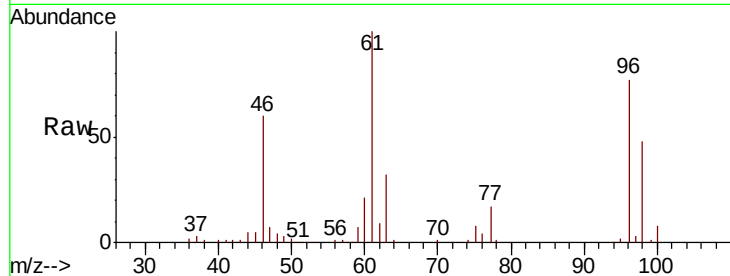
Tot Ion: 96 Resp: 65879

Ion Ratio Lower Upper

96 100

61 130.0 88.8 165.0

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 11.869 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041844.D

Acq: 04 Jan 2021 14:38

Tgt Ion: 95 Resp: 136089

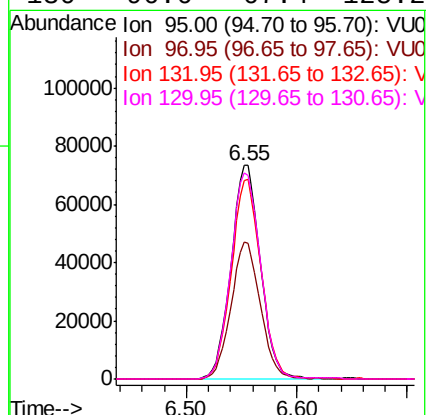
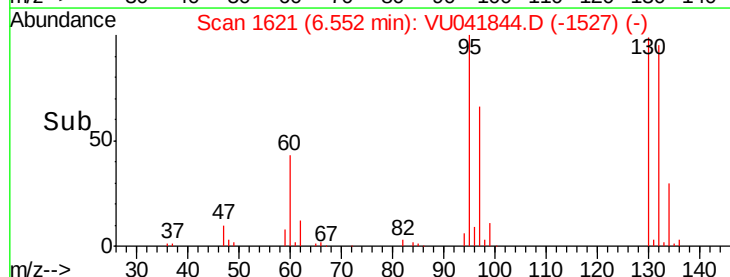
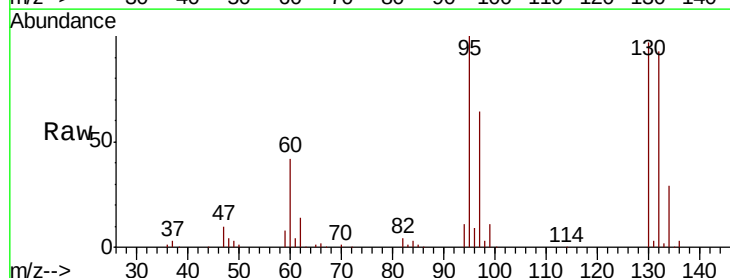
Ion Ratio Lower Upper

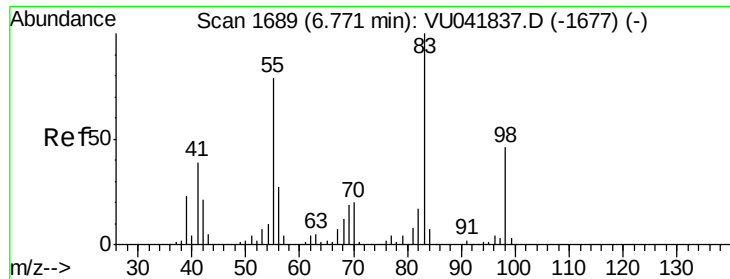
95 100

97 64.2 43.9 81.5

132 92.9 63.1 117.3

130 96.6 67.4 125.2

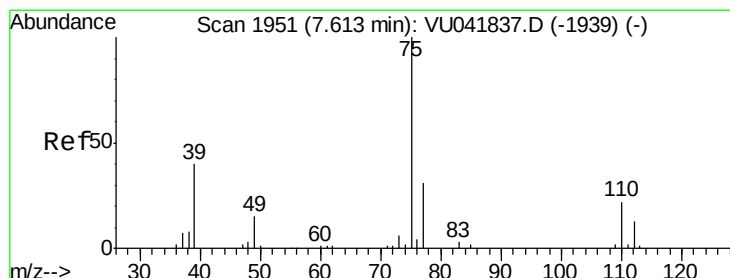
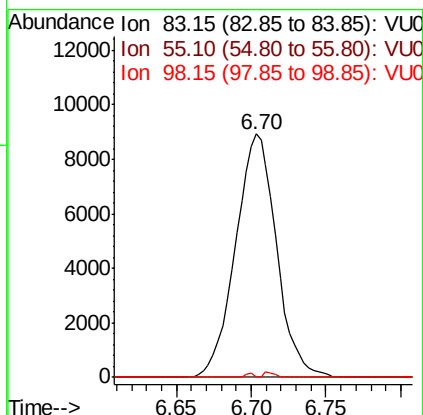
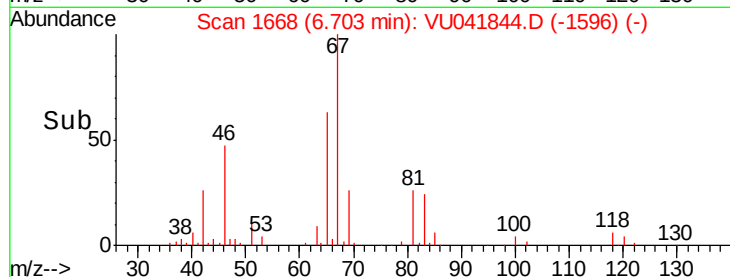
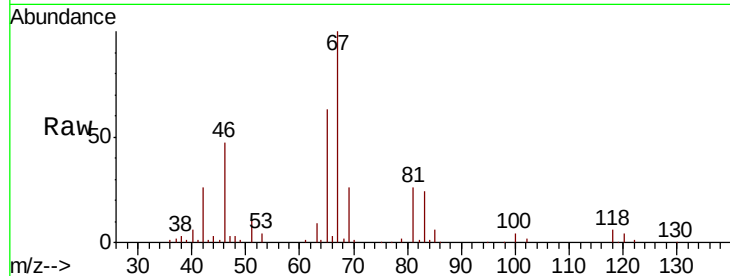




#35
Methylvlcyclohexane
Concen: 0.914 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041844.D
Acq: 04 Jan 2021 14:38

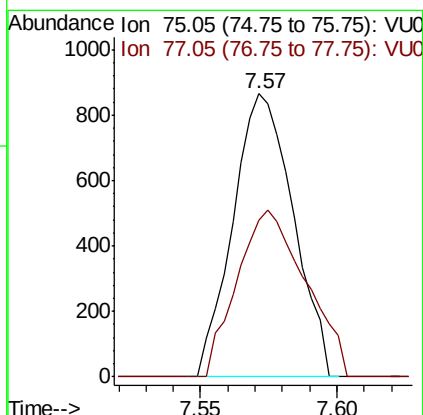
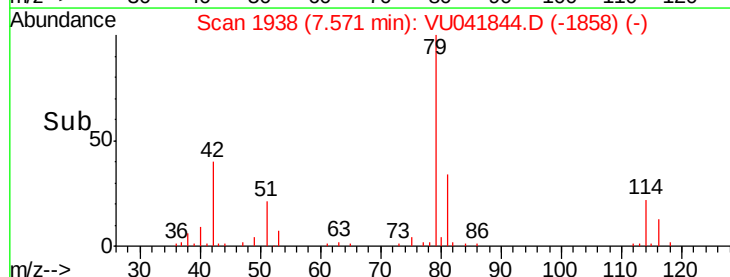
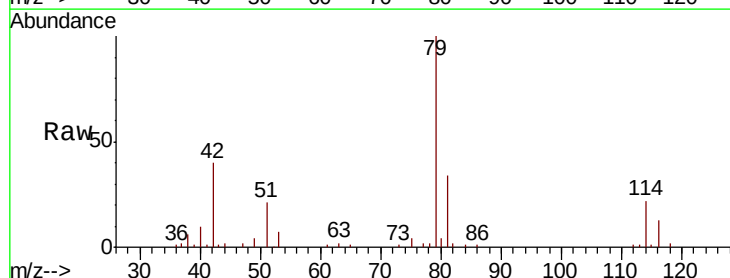
Instrument :
MSVOA_U
ClientSampleId :

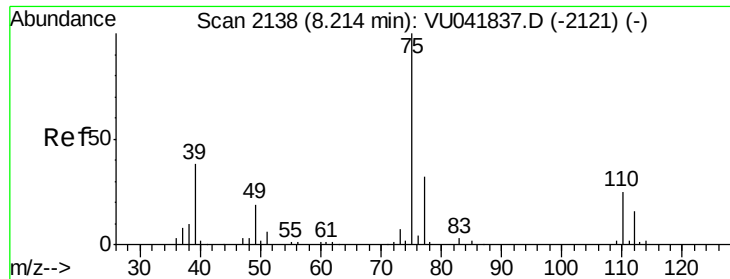
Tot Ion: 83 Resp: 16949
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.0 36.6 54.8#



#39
cis-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041844.D
Acq: 04 Jan 2021 14:38

Tgt Ion: 75 Resp: 1324
Ion Ratio Lower Upper
75 100
77 55.4 22.3 41.3#

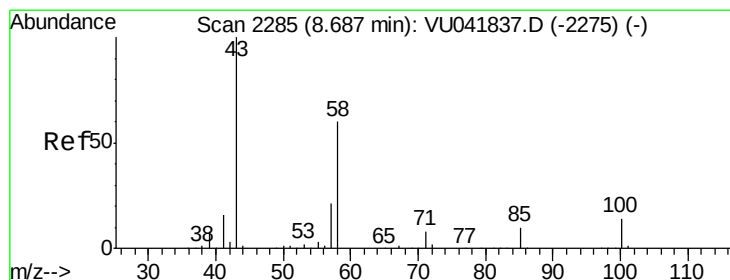
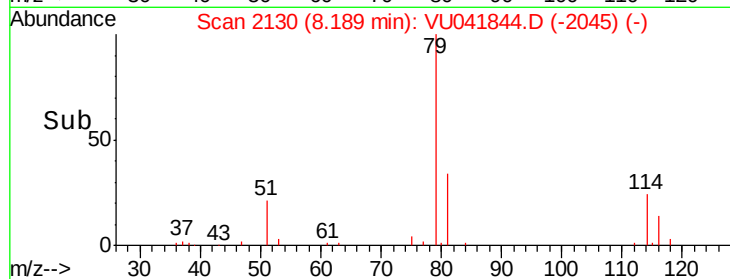
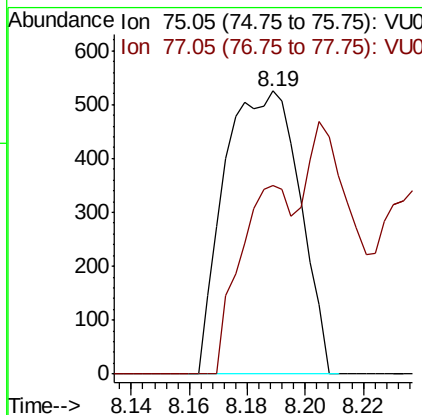
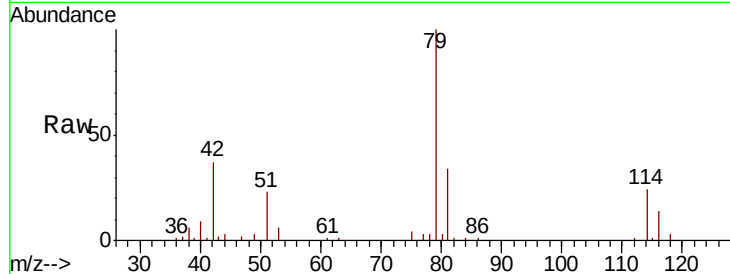




#44
trans-1,3-Dichloropropene
Concen: 0.061 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041844.D
Acq: 04 Jan 2021 14:38

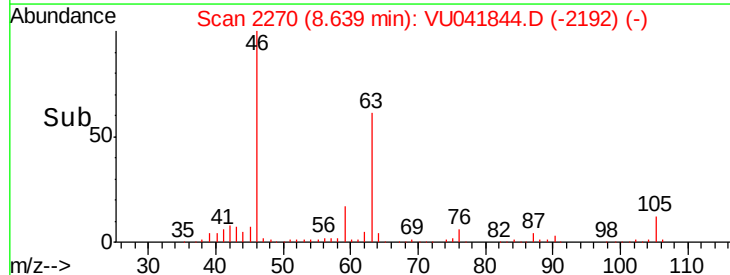
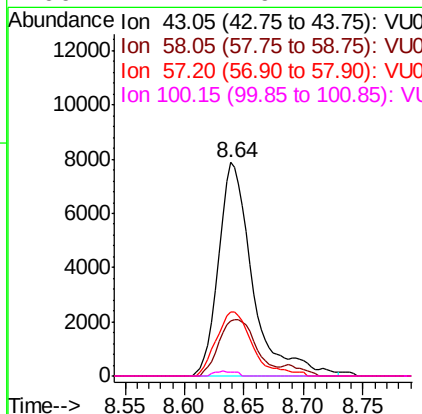
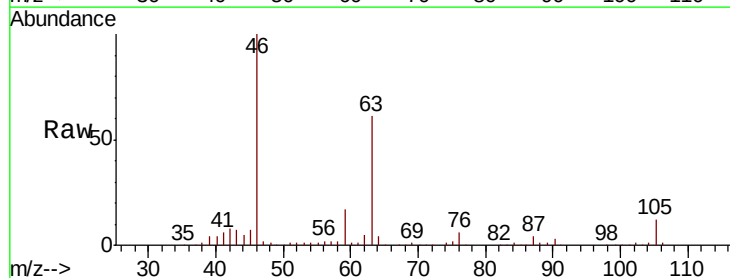
Instrument :
MSVOA_U
ClientSampleId :

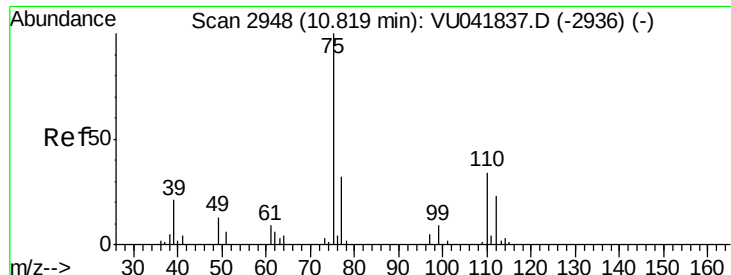
Tot Ion: 75 Resp: 947
Ion Ratio Lower Upper
75 100
77 66.9 23.8 44.2#



#48
2-Hexanone
Concen: 2.591 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041844.D
Acq: 04 Jan 2021 14:38

Tgt Ion: 43 Resp: 15660
Ion Ratio Lower Upper
43 100
58 28.8 47.9 71.9#
57 31.9 16.5 24.7#
100 1.4 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.894 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041844.D

Acq: 04 Jan 2021 14:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7834

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2

