

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040807.D
 Acq On : 19 Oct 2020 16:04
 Operator : SY/MD
 Sample : L4423-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Oct 20 01:38:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115482	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124816	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49089	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	1.92	69	41494	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.40%
11) 1,1-Dichloroethene-d2	2.58	63	72691	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.65	46	171733	56.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.16%
24) Chloroform-d	5.08	84	90680	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.72	65	55860	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.75	84	170837	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.70	67	57581	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.91	98	135589	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.19	79	22541	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.64	63	121140	49.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50763	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	55983	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

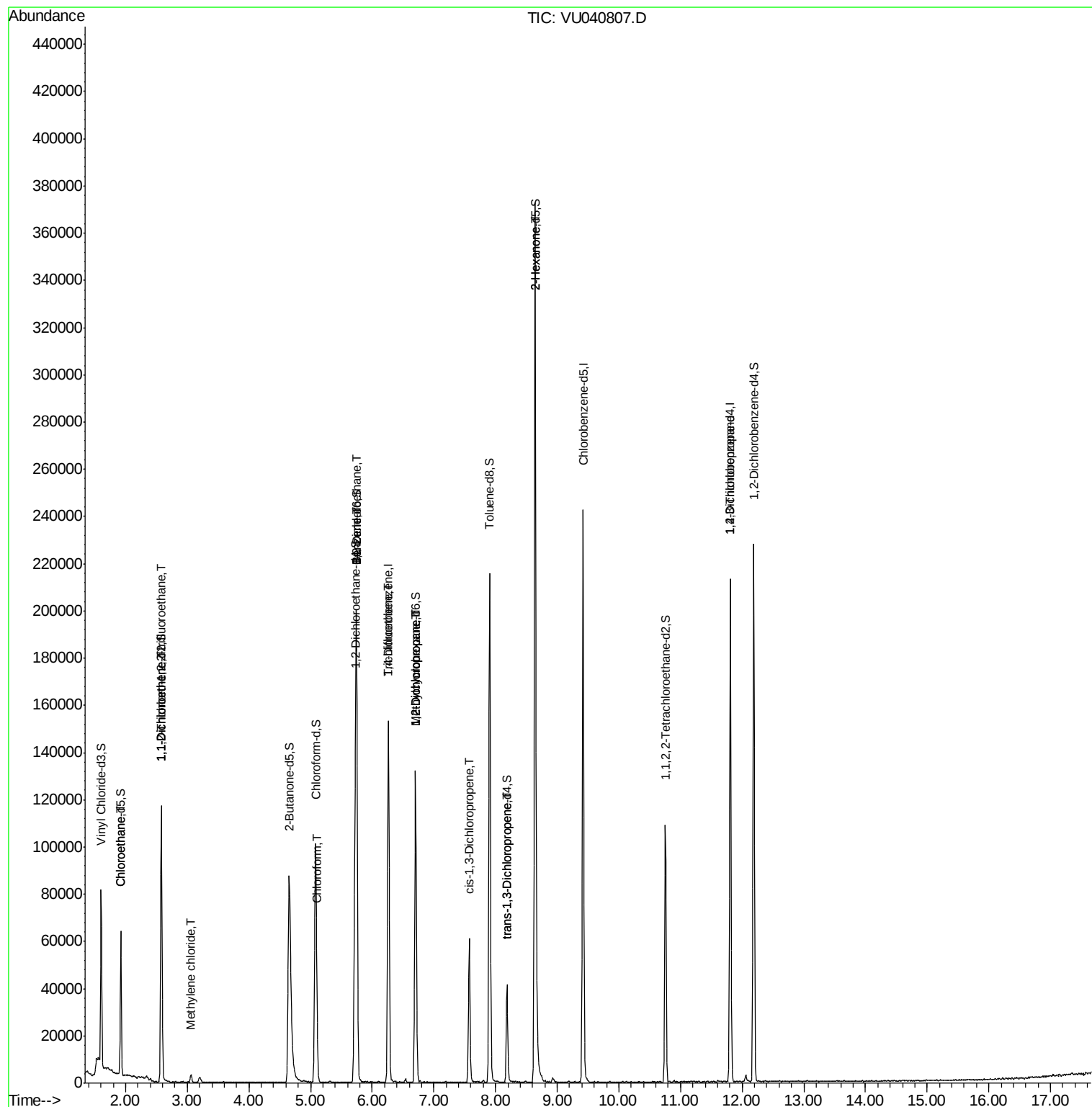
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.93	64	771	0.118	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	576	0.060	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	454	0.055	ug/L #	1
16) Methylene chloride	3.06	84	1434	0.136	ug/L	95
25) Chloroform	5.11	83	4118	0.226	ug/L	95
27) 1,2-Dichloroethane	5.74	62	1260	0.098	ug/L #	77
33) Benzene	5.75	78	1547	0.039	ug/L	100
34) Trichloroethene	6.26	95	1867	0.180	ug/L #	5
35) Methylcyclohexane	6.70	83	13785	0.935	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6842	0.612	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1464	0.096	ug/L #	25
44) trans-1,3-Dichloropropene	8.19	75	1060	0.075	ug/L #	73
48) 2-Hexanone	8.64	43	21333	3.217	ug/L #	75
59) 1,2,3-Trichloropropane	11.81	75	6686	0.815	ug/L #	87

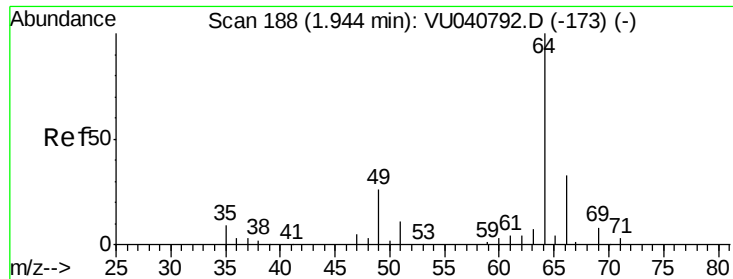
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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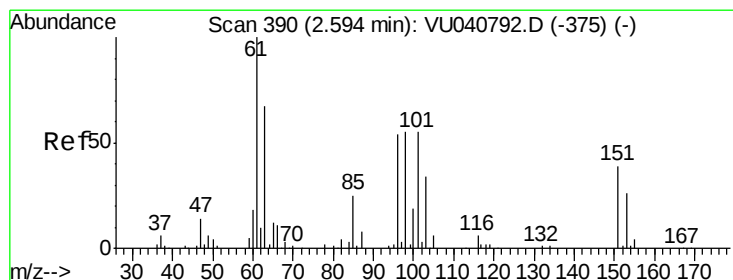
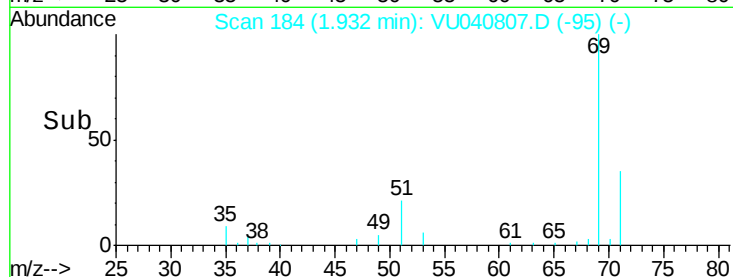
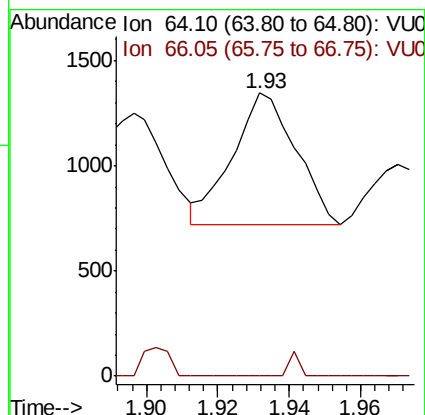
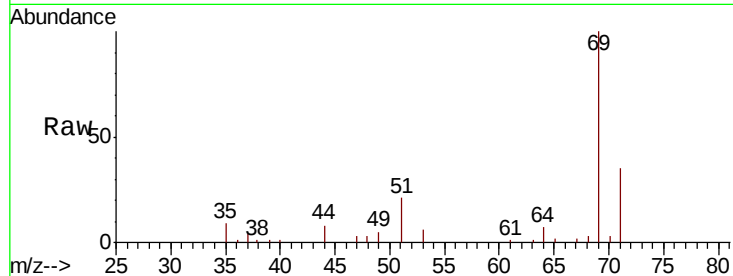




#8
Chloroethane
Concen: 0.118 ug/L
RT: 1.93 min Scan# 184
Delta R.T. -0.01 min
Lab File: VU040807.D
Acq: 19 Oct 2020 16:04

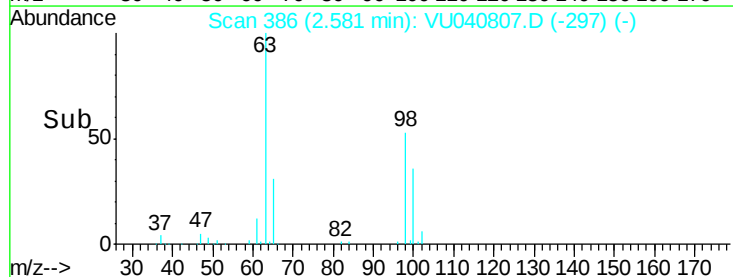
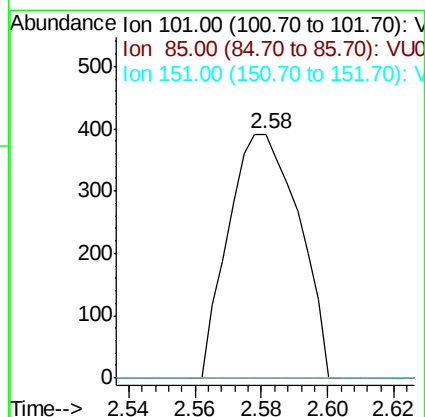
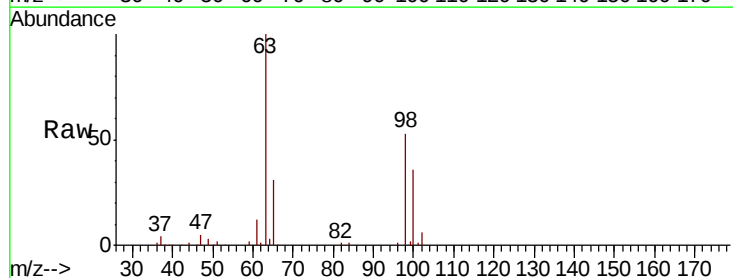
Instrument :
MSVOA_U
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VHBLK01

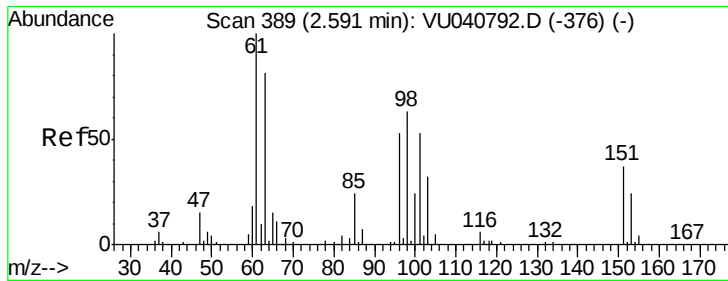
Tot Ion: 64 Resp: 771
Ion Ratio Lower Upper
64 100
66 0.0 23.3 43.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.060 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU040807.D
Acq: 19 Oct 2020 16:04

Tgt Ion:101 Resp: 576
Ion Ratio Lower Upper
101 100
85 0.0 36.7 55.1#
151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 0.055 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040807.D

Acq: 19 Oct 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

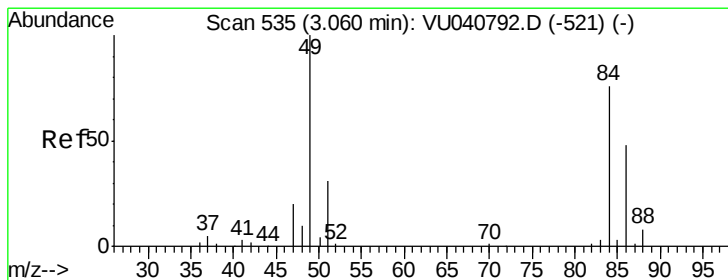
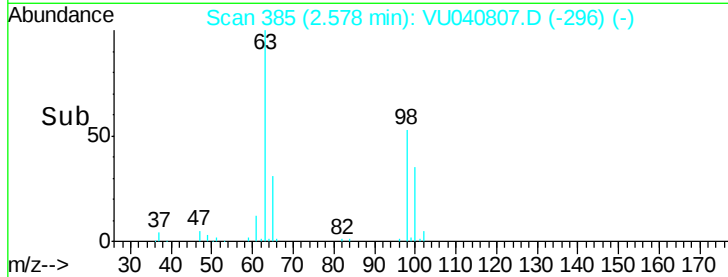
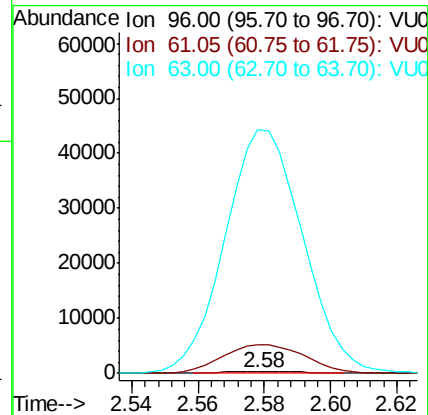
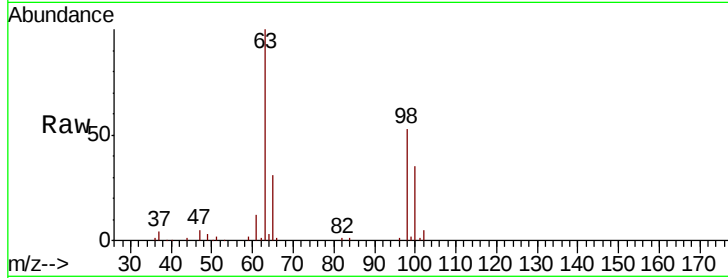
Tot Ion: 96 Resp: 454

Ion Ratio Lower Upper

96 100

61 1860.7 128.8 239.2#

63 15534.0 84.6 157.2#



#16

Methylene chloride

Concen: 0.136 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040807.D

Acq: 19 Oct 2020 16:04

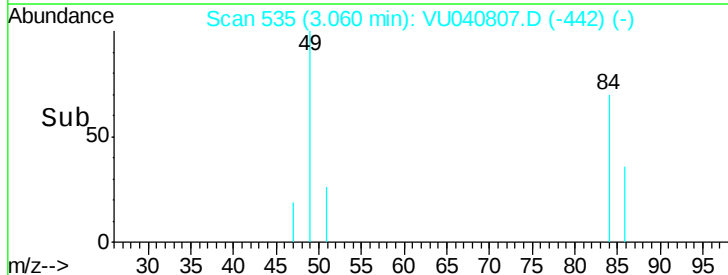
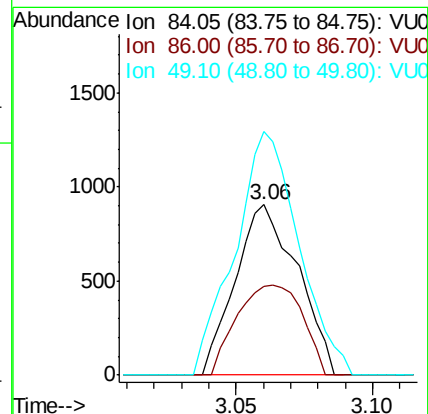
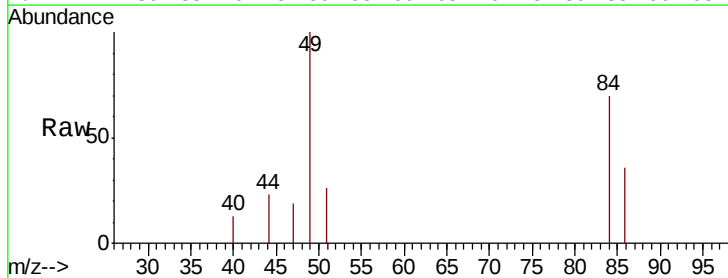
Tgt Ion: 84 Resp: 1434

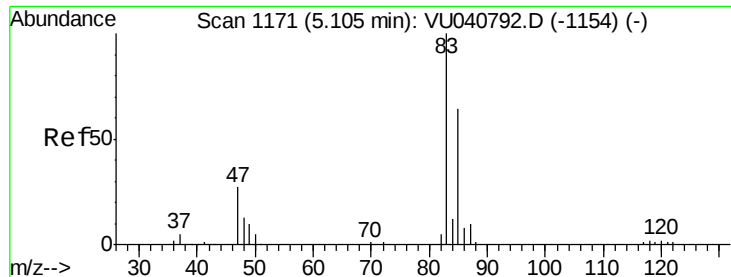
Ion Ratio Lower Upper

84 100

86 52.1 45.4 84.4

49 143.1 99.8 185.3

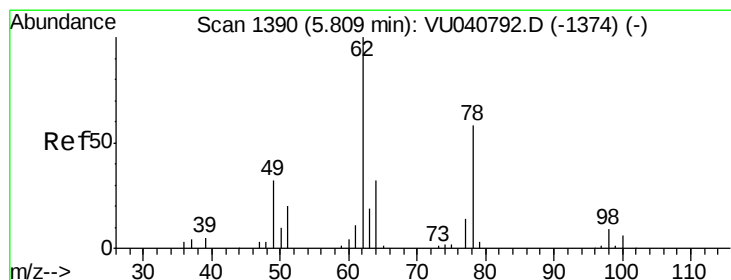
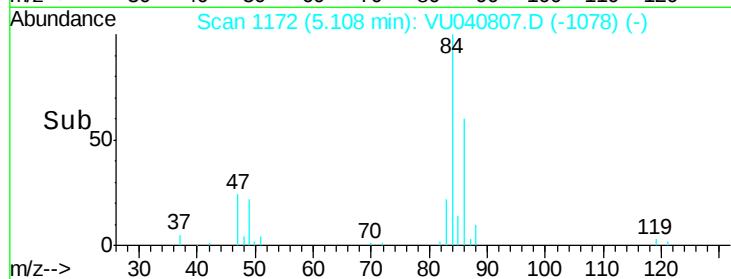
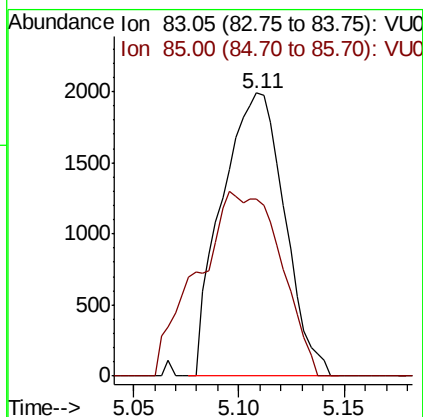
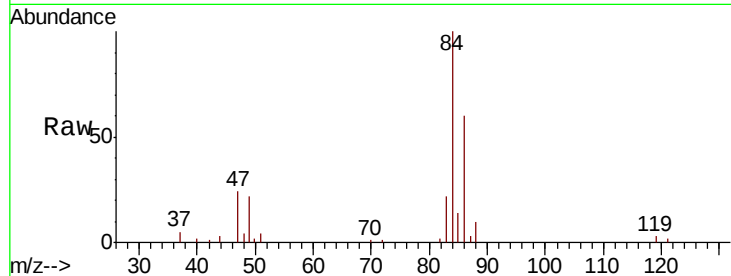




#25
Chloroform
Concen: 0.226 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040807.D
Acq: 19 Oct 2020 16:04

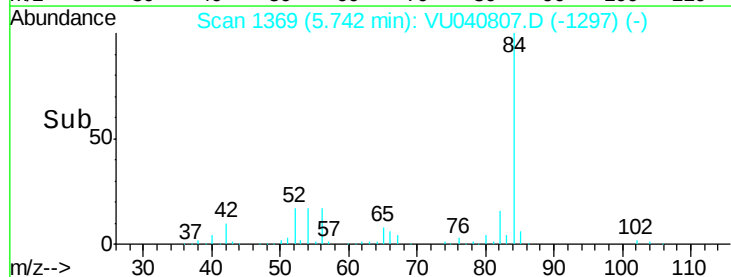
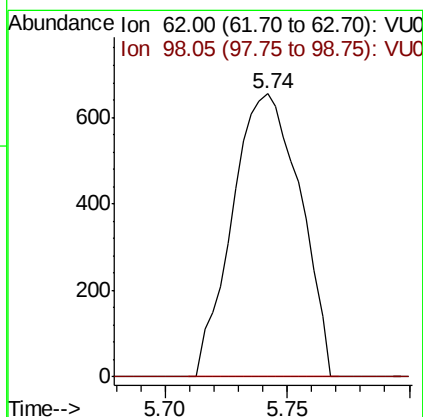
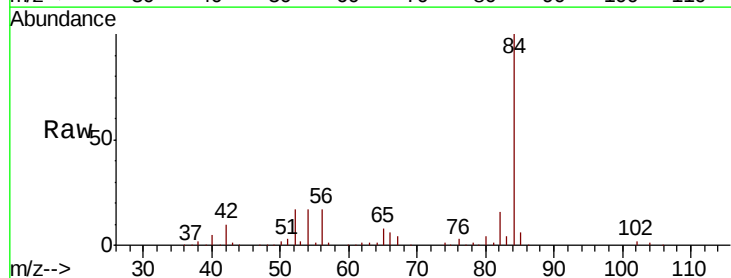
Instrument :
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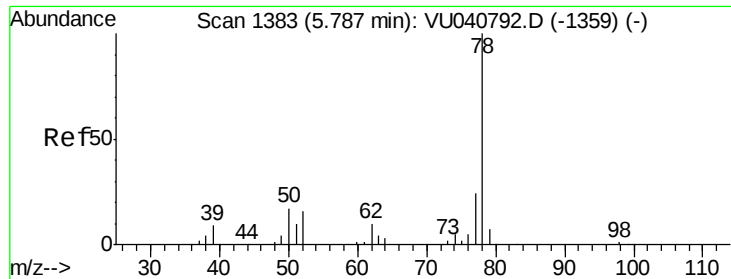
Tot Ion: 83 Resp: 4118
Ion Ratio Lower Upper
83 100
85 62.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.098 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU040807.D
Acq: 19 Oct 2020 16:04

Tgt Ion: 62 Resp: 1260
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 0.039 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.04 min

Lab File: VU040807.D

Acq: 19 Oct 2020 16:04

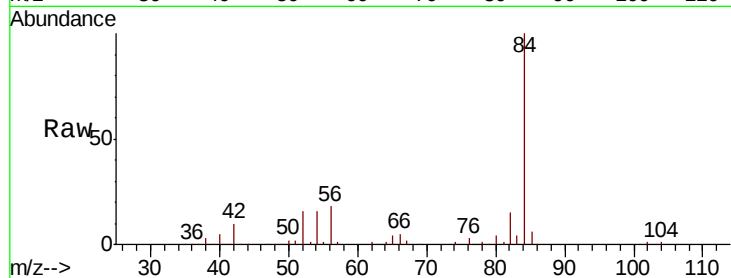
Instrument :

MSVOA_U

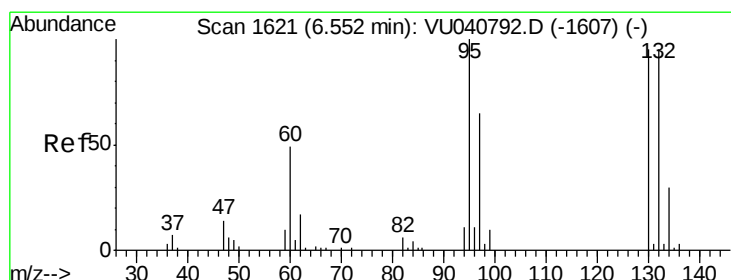
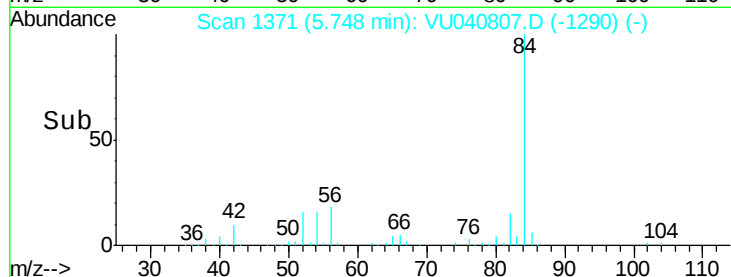
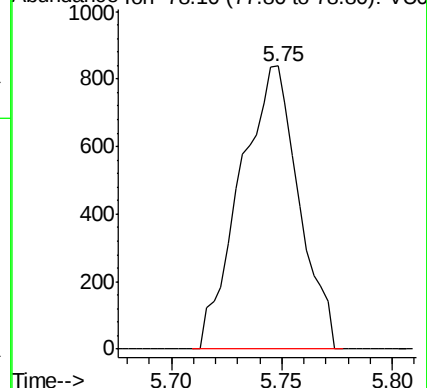
ClientSampleId :

VHBLK01

Tgt Ion: 78 Resp: 1547



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.180 ug/L

RT: 6.26 min Scan# 1531

Delta R.T. -0.29 min

Lab File: VU040807.D

Acq: 19 Oct 2020 16:04

Tgt Ion: 95 Resp: 1867

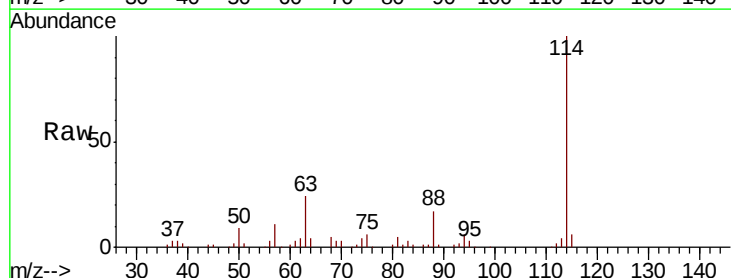
Ion Ratio Lower Upper

95 100

97 0.0 45.5 84.5#

132 0.0 67.5 125.4#

130 0.0 69.9 129.9#

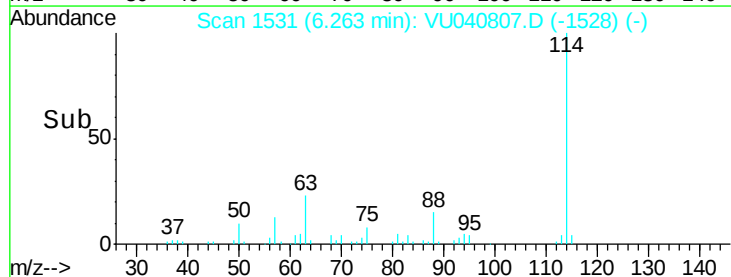
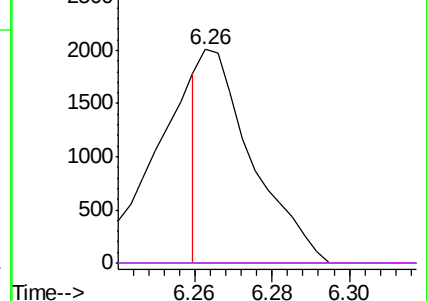


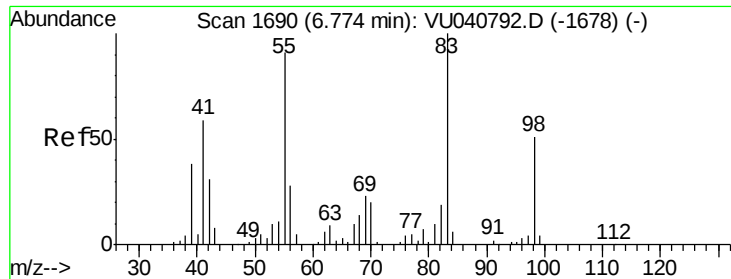
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

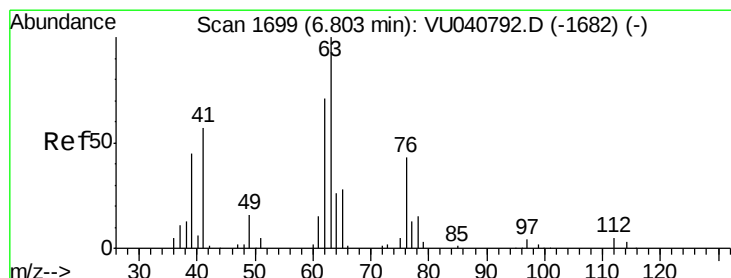
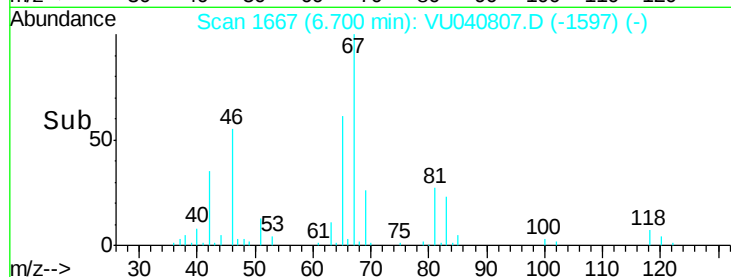
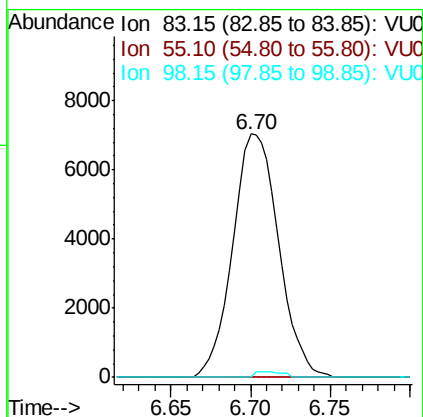
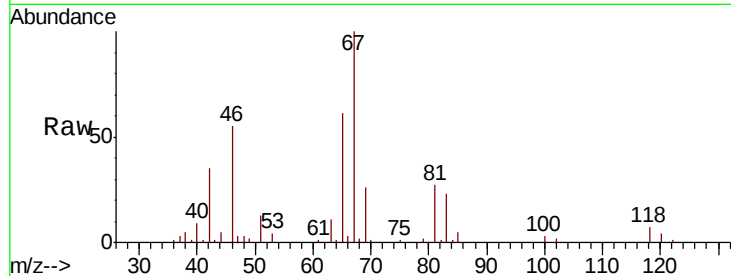




#35
Methvlcvclohexane
Concen: 0.935 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040807.D
Acq: 19 Oct 2020 16:04

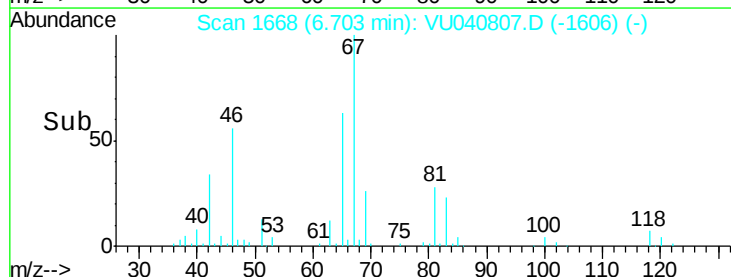
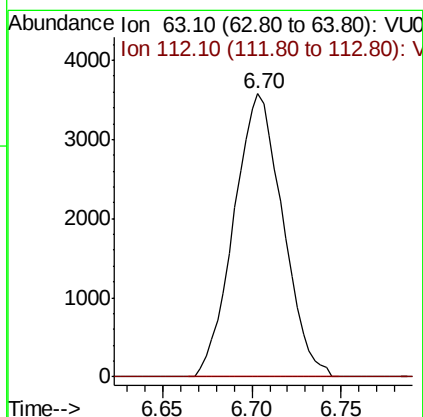
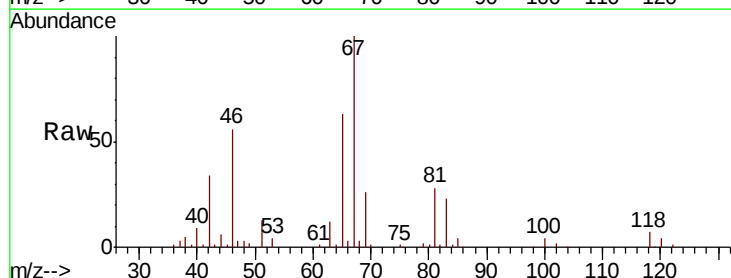
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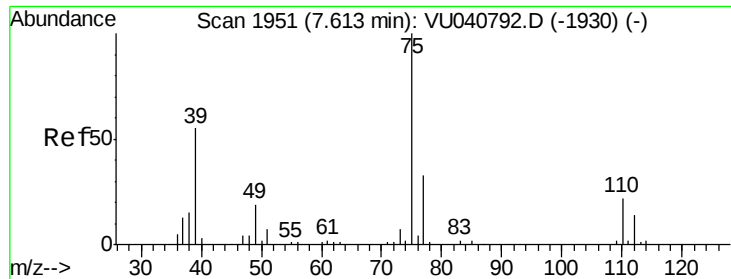
Tot Ion: 83 Resp: 13785
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 1.4 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.612 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040807.D
Acq: 19 Oct 2020 16:04

Tgt Ion: 63 Resp: 6842
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

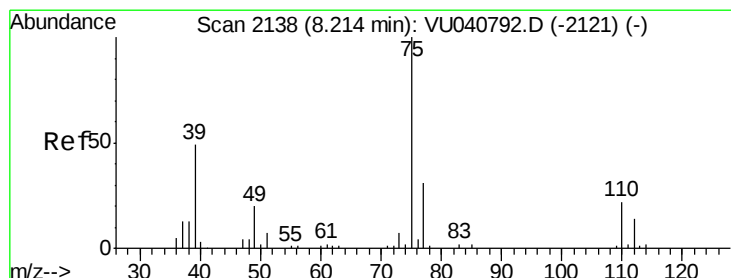
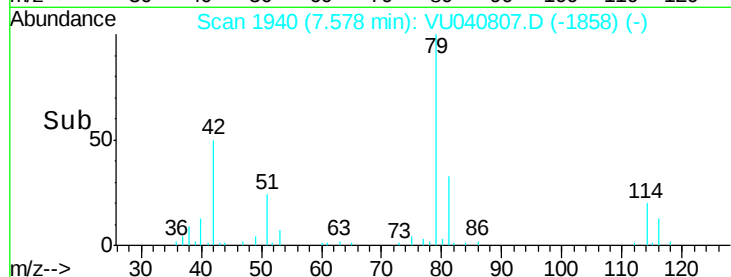
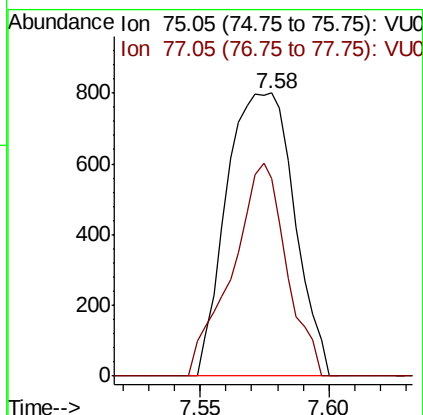
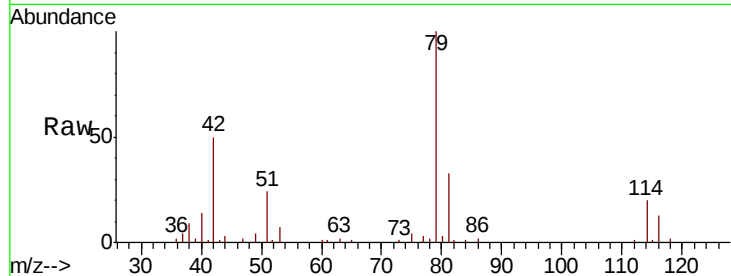




#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040807.D
 Acq: 19 Oct 2020 16:04

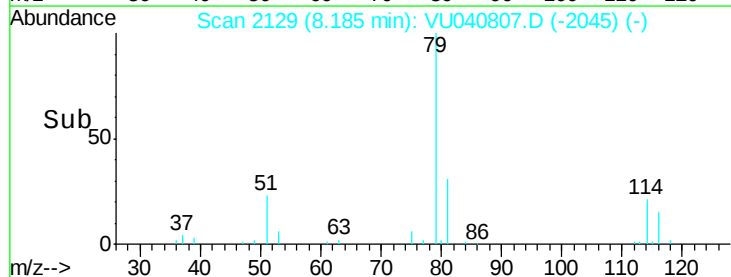
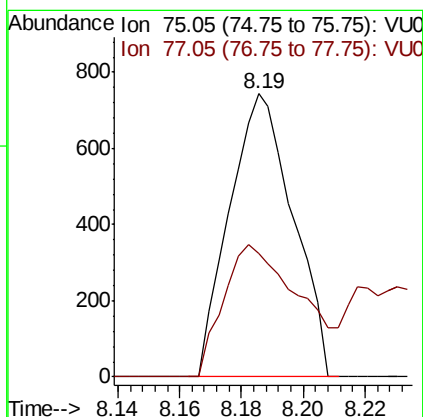
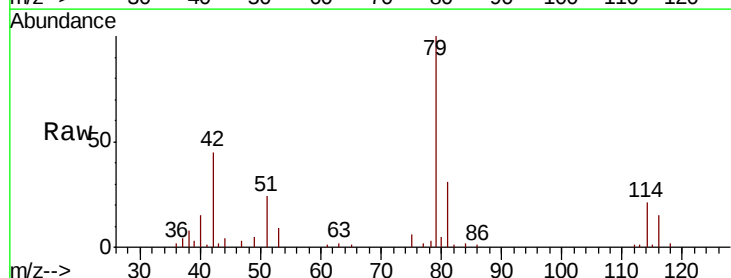
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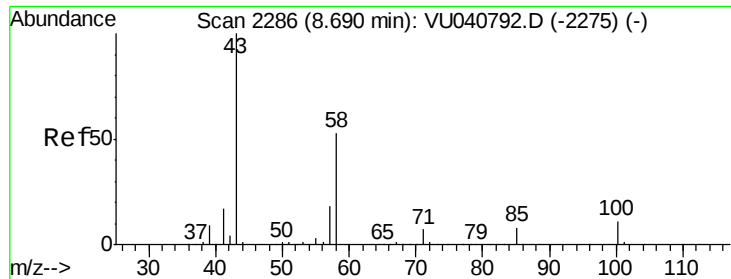
Tot Ion: 75 Resp: 1464
 Ion Ratio Lower Upper
 75 100
 77 69.8 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040807.D
 Acq: 19 Oct 2020 16:04

Tgt Ion: 75 Resp: 1060
 Ion Ratio Lower Upper
 75 100
 77 43.5 20.4 38.0#

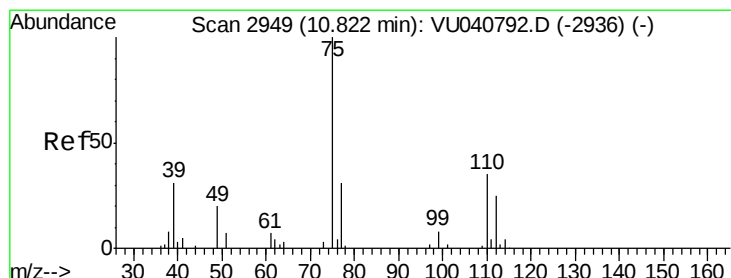
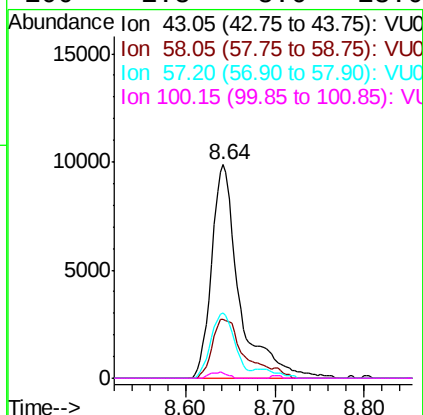
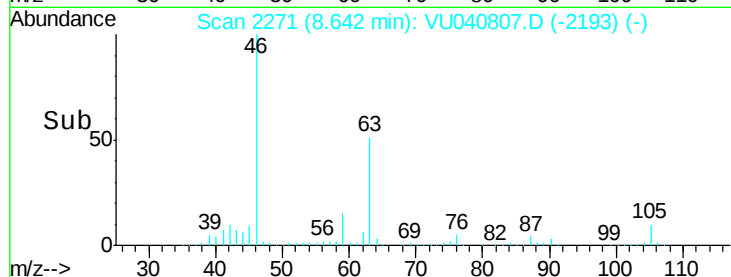
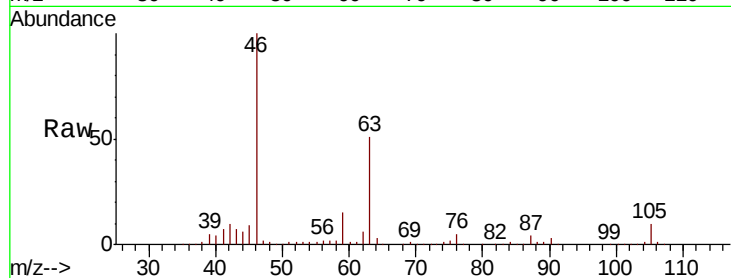




#48
2-Hexanone
Concen: 3.217 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040807.D
Acq: 19 Oct 2020 16:04

Instrument :
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Tot Ion: 43 Resp: 21333
Ion Ratio Lower Upper
43 100
58 32.0 41.0 61.6#
57 26.6 14.4 21.6#
100 1.8 8.6 13.0#



#59
1,2,3-Trichloropropane
Concen: 0.815 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040807.D
Acq: 19 Oct 2020 16:04

Tgt Ion: 75 Resp: 6686
Ion Ratio Lower Upper
75 100
77 40.1 26.4 39.6#

