

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041076.D
 Acq On : 03 Nov 2020 14:14
 Operator : SY/MD
 Sample : L4614-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B0AN8

Quant Time: Nov 04 00:59:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56165	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57207	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24355	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	16835	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.92	69	13351	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.58	63	24185	2.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.20%#
20) 2-Butanone-d5	4.65	46	74847	48.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.34%
24) Chloroform-d	5.08	84	32858	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.72	65	21117	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
32) Benzene-d6	5.74	84	59406	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
36) 1,2-Dichloropropane-d6	6.70	67	21073	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.91	98	47836	3.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.00%#
43) trans-1,3-Dichloropropene-	8.19	79	8286	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.64	63	51451	44.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19601	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	18896	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

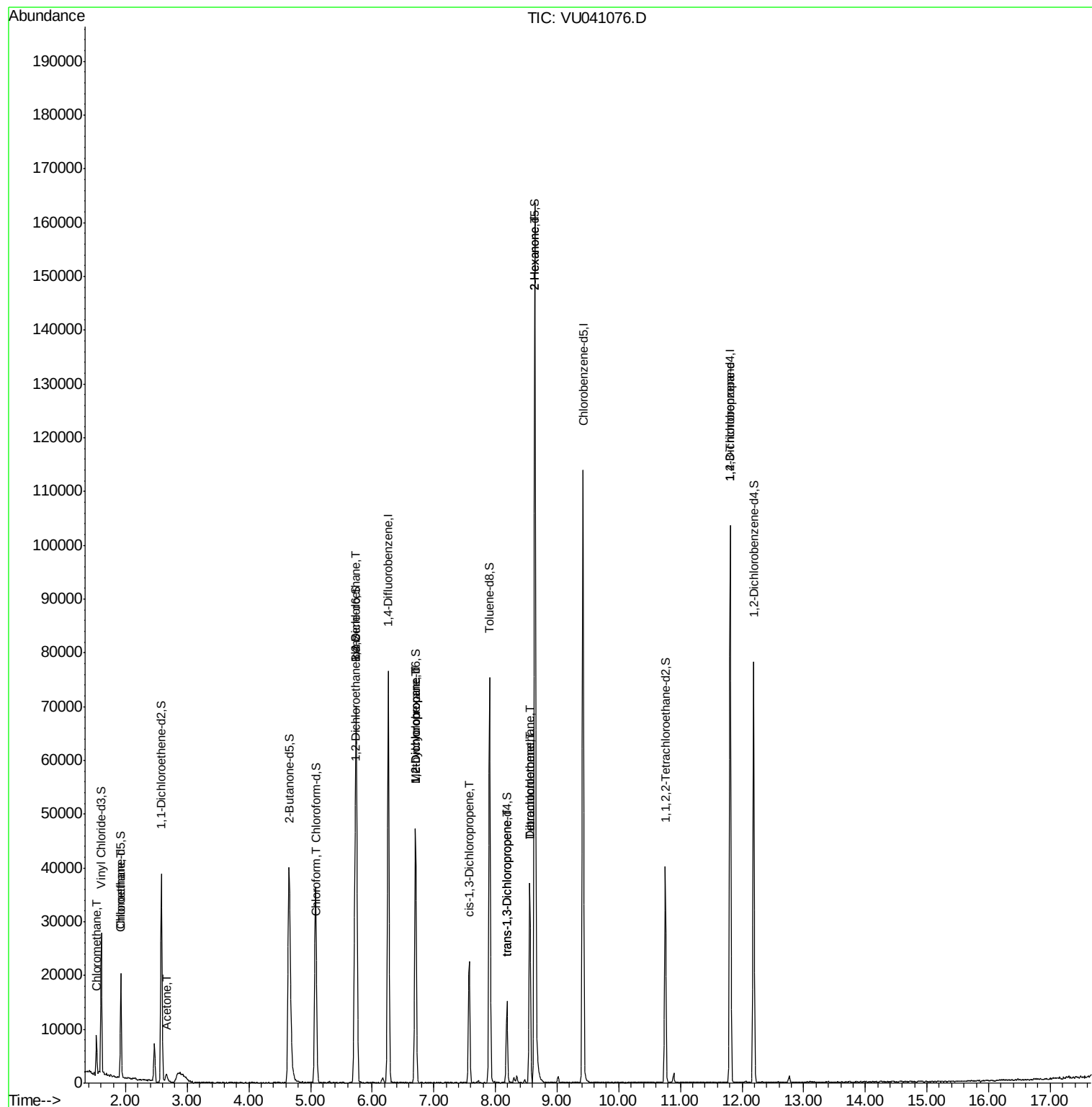
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	4839	0.905	ug/L	94
8) Chloroethane	1.93	64	197	0.059	ug/L #	43
13) Acetone	2.66	43	2984	2.809	ug/L #	63
25) Chloroform	5.11	83	639	0.079	ug/L	78
27) 1,2-Dichloroethane	5.74	62	200	0.033	ug/L #	74
35) Methylcyclohexane	6.70	83	4572	0.705	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2466	0.533	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	529	0.083	ug/L #	78
44) trans-1,3-Dichloropropene	8.19	75	310	0.052	ug/L #	72
47) Tetrachloroethene	8.56	164	7534	2.355	ug/L	97
48) 2-Hexanone	8.64	43	7995	2.879	ug/L #	69
49) Dibromochloromethane	8.56	129	8005	2.002	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3467	1.006	ug/L	91

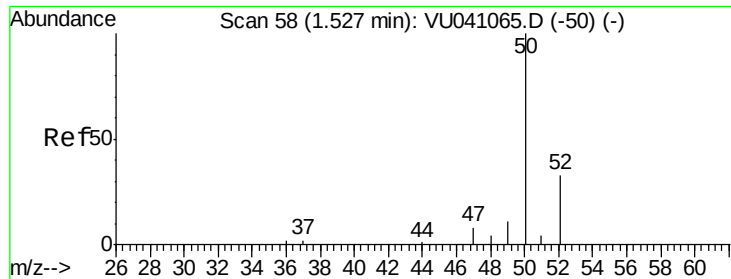
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 00:51:13 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.905 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041076.D

Acq: 03 Nov 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

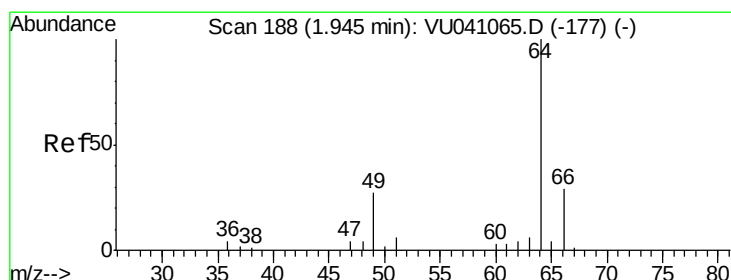
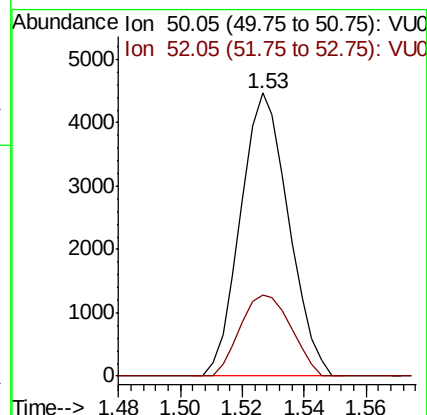
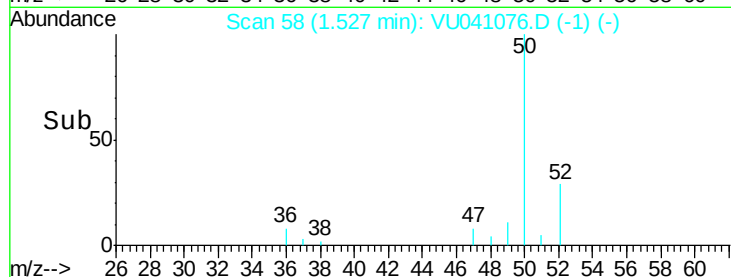
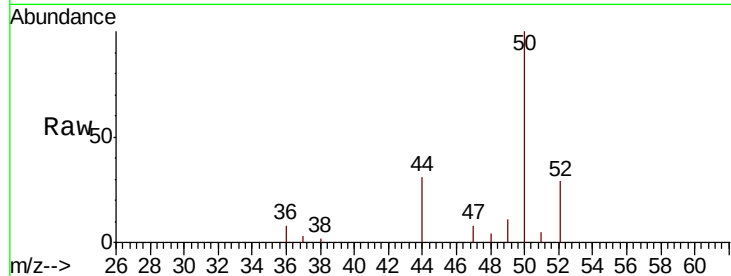
B0AN8

Tot Ion: 50 Resp: 4839

Ion Ratio Lower Upper

50 100

52 28.9 22.4 41.6



#8

Chloroethane

Concen: 0.059 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU041076.D

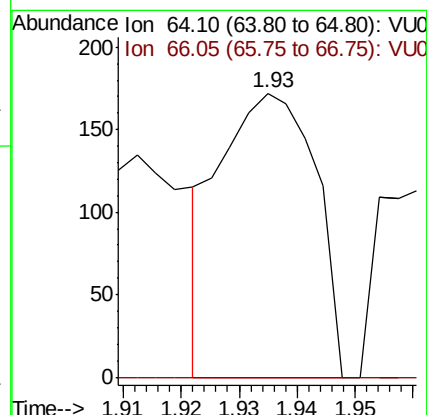
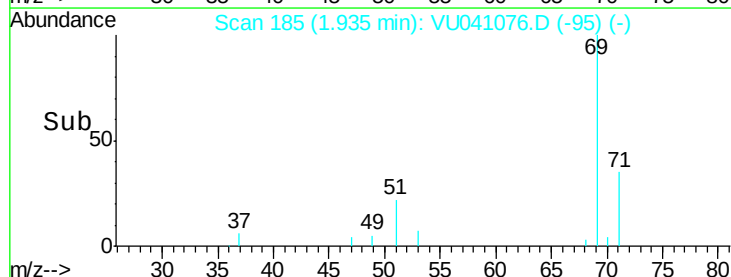
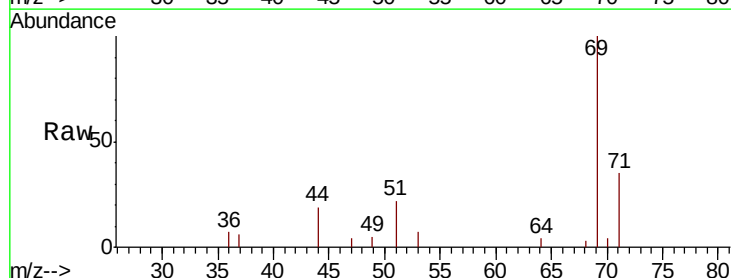
Acq: 03 Nov 2020 14:14

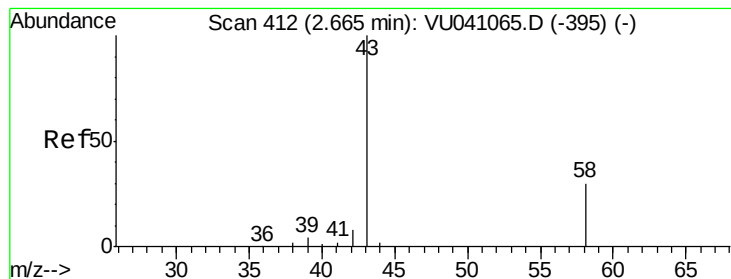
Tgt Ion: 64 Resp: 197

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#13

Acetone

Concen: 2.809 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041076.D

Acq: 03 Nov 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

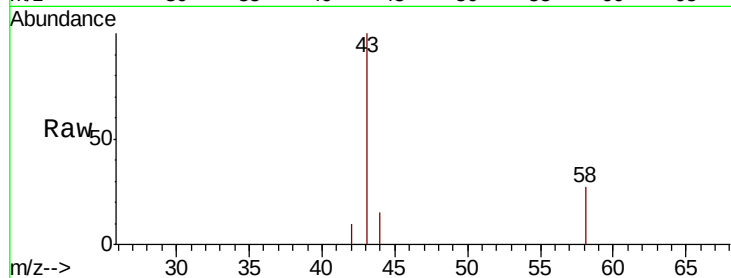
B0AN8

Tot Ion: 43 Resp: 2984

Ion Ratio Lower Upper

43 100

58 27.4 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041065.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041065.D (-395) (-)

2.66

1200

1000

800

600

400

200

0

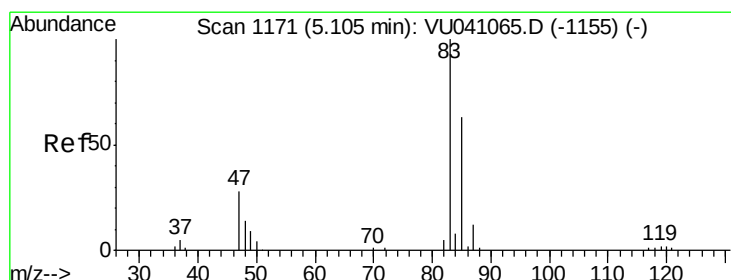
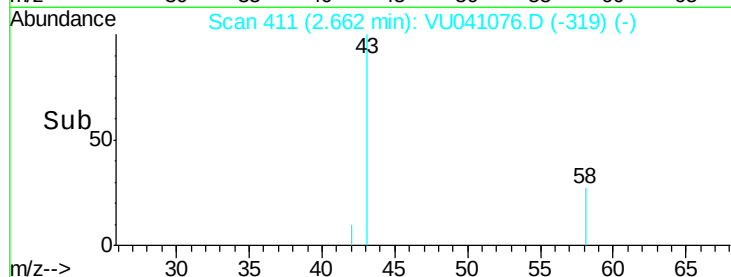
Time-->

2.60

2.65

2.70

2.75



#25

Chloroform

Concen: 0.079 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041076.D

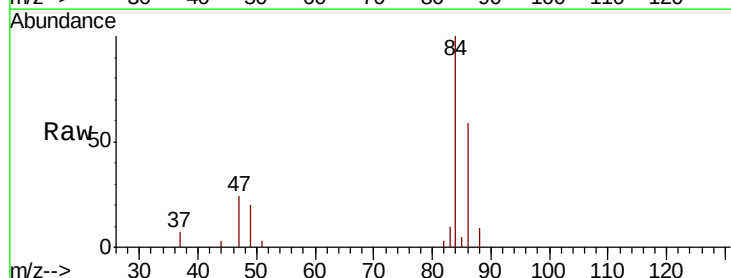
Acq: 03 Nov 2020 14:14

Tgt Ion: 83 Resp: 639

Ion Ratio Lower Upper

83 100

85 48.6 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041065.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU041065.D (-1155) (-)

5.11

400

300

200

100

0

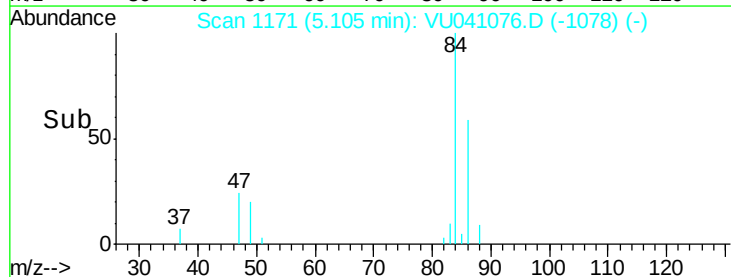
Time-->

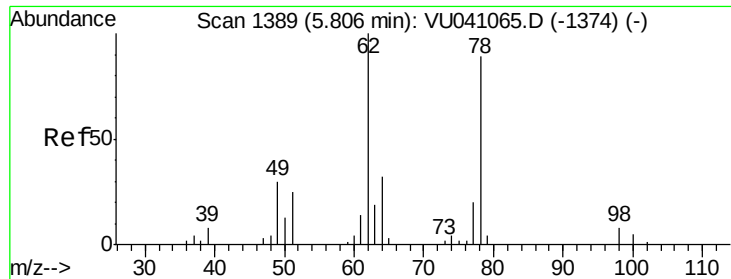
5.08

5.10

5.12

5.14

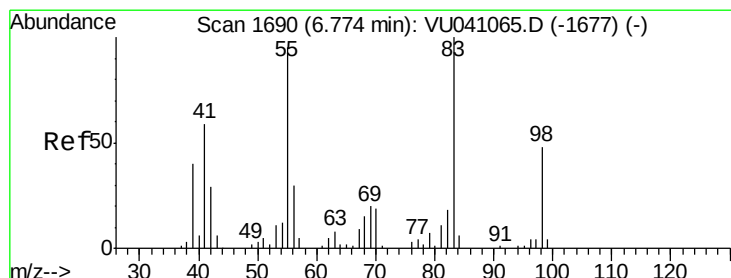
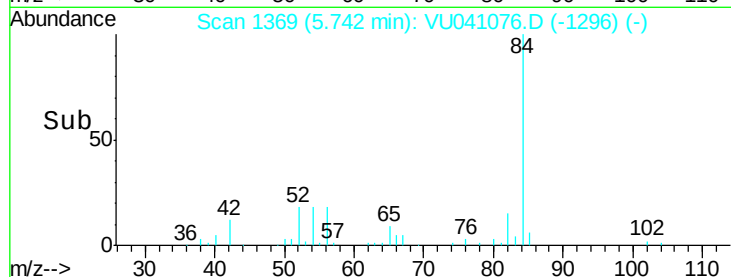
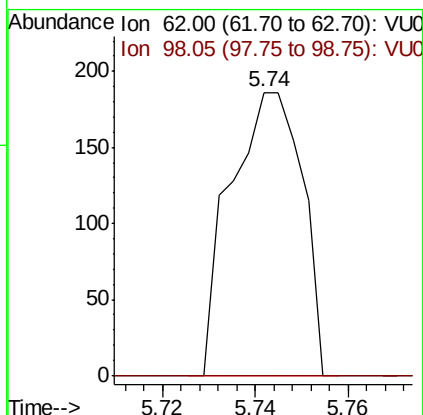
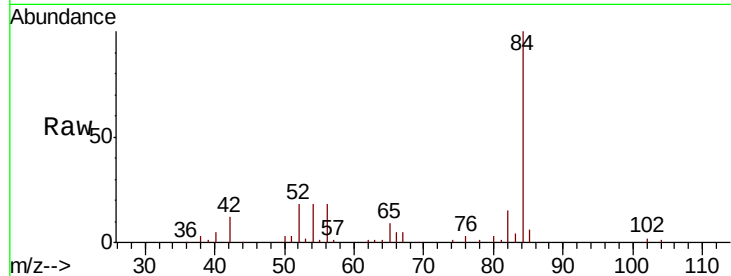




#27
 1,2-Dichloroethane
 Concen: 0.033 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041076.D
 Acq: 03 Nov 2020 14:14

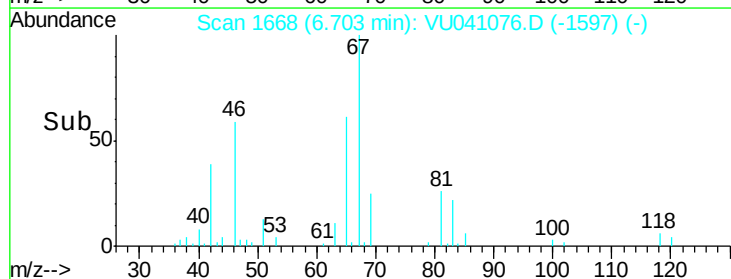
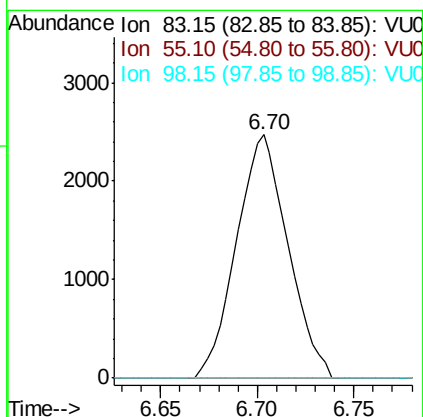
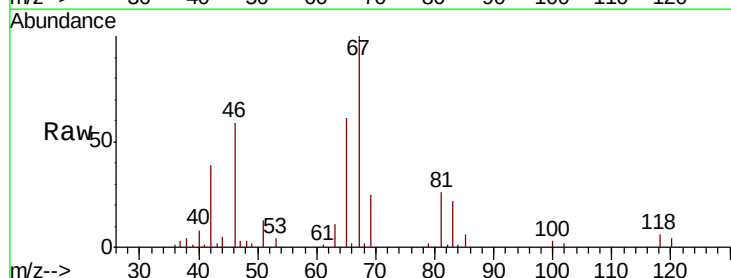
Instrument :
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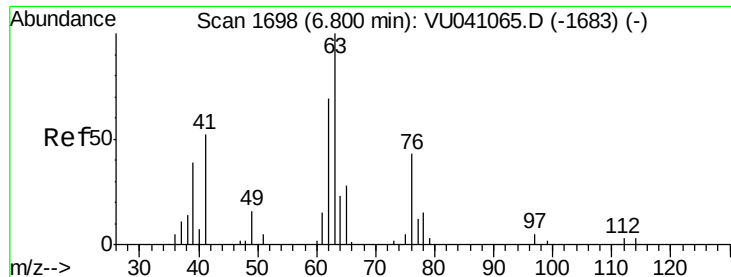
Tot Ion: 62.00 Resp: 200
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#35
 Methylcyclohexane
 Concen: 0.705 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041076.D
 Acq: 03 Nov 2020 14:14

Tgt Ion: 83 Resp: 4572
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 0.0 36.6 55.0#

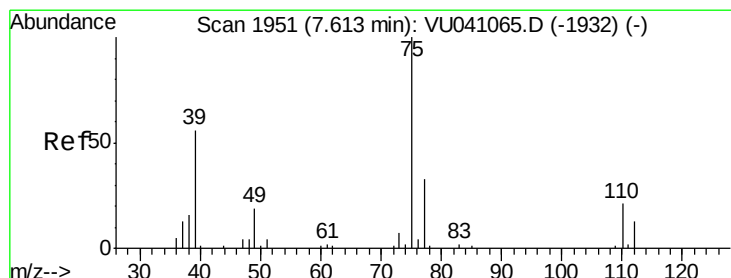
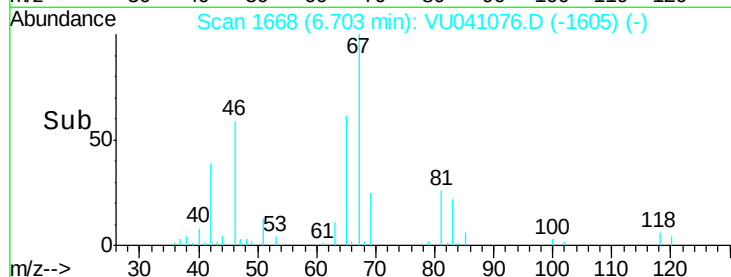
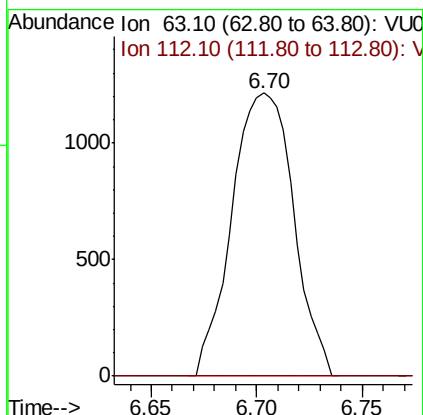
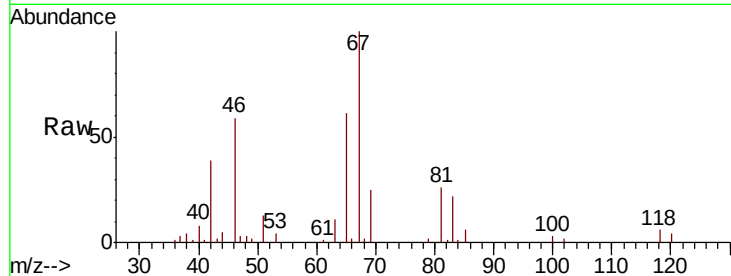




#37
 1,2-Dichloropropane
 Concen: 0.533 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041076.D
 Acq: 03 Nov 2020 14:14

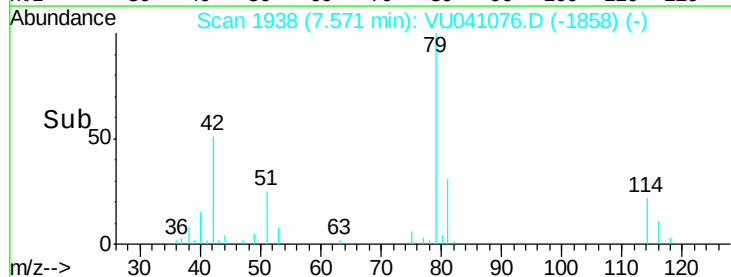
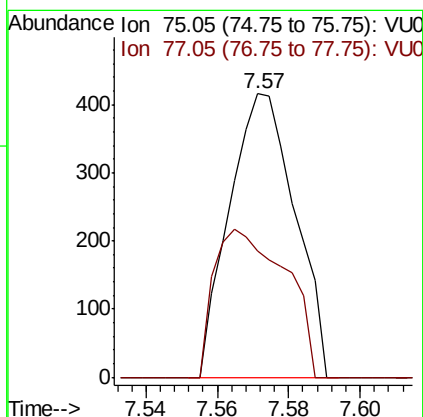
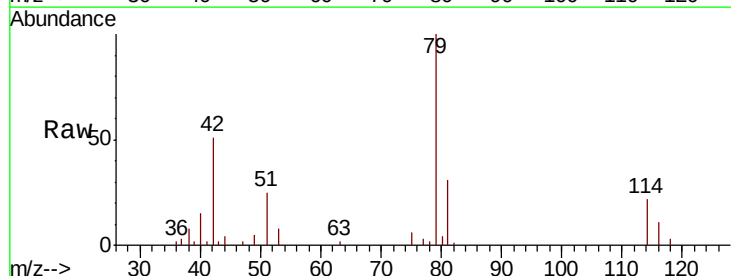
Instrument :
 MSVOA_U
 ClientSampleId :
 B0AN8

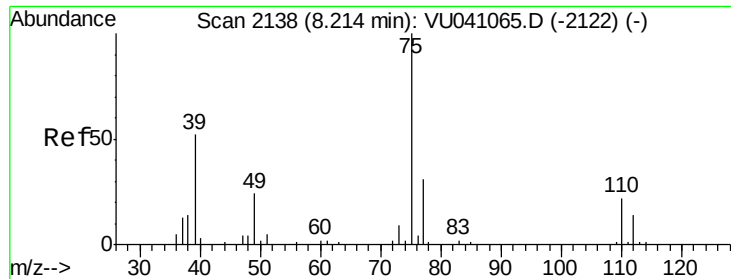
Tot Ion: 63 Resp: 2466
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041076.D
 Acq: 03 Nov 2020 14:14

Tgt Ion: 75 Resp: 529
 Ion Ratio Lower Upper
 75 100
 77 44.7 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.052 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041076.D

Acq: 03 Nov 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

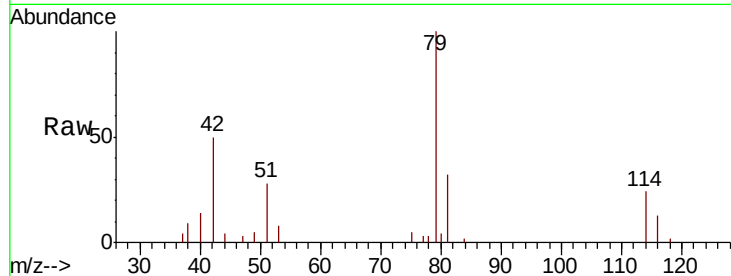
B0AN8

Tot Ion: 75 Resp: 310

Ion Ratio Lower Upper

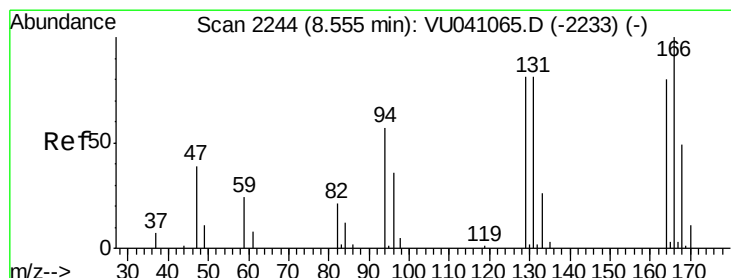
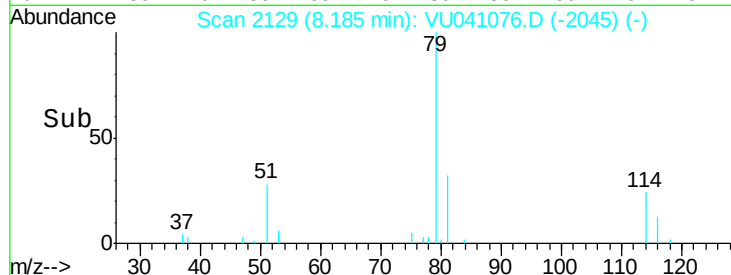
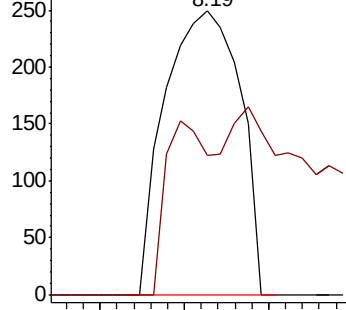
75 100

77 49.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 2.355 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041076.D

Acq: 03 Nov 2020 14:14

Tgt Ion:164 Resp: 7534

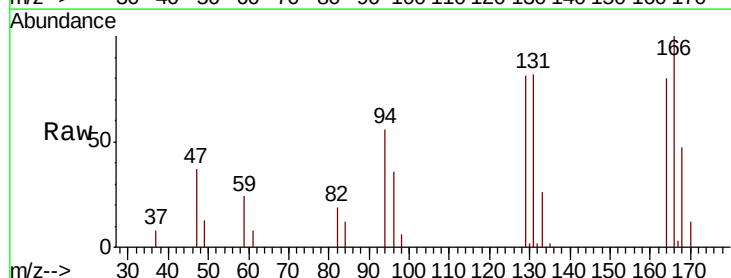
Ion Ratio Lower Upper

164 100

129 100.9 70.3 130.7

131 102.1 70.8 131.4

166 124.3 92.0 170.8

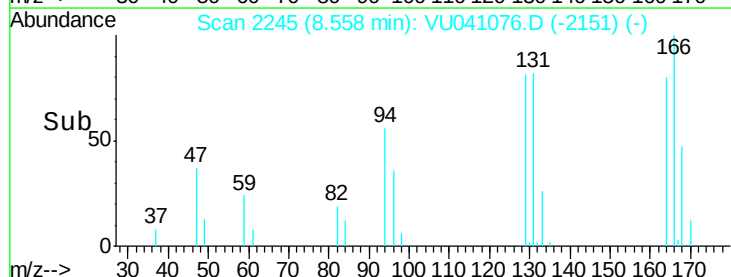
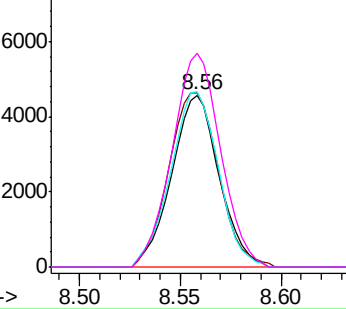


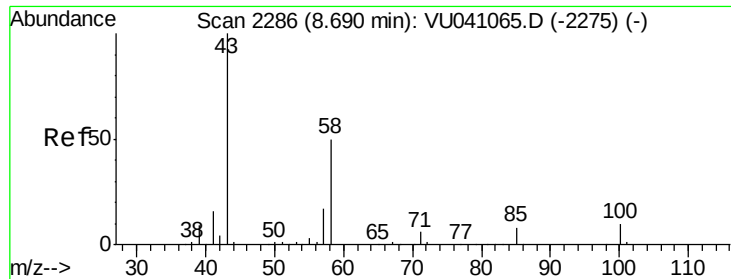
Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.879 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041076.D

Acq: 03 Nov 2020 14:14

Instrument :

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B0AN8

Tot Ion: 43 Resp: 7995

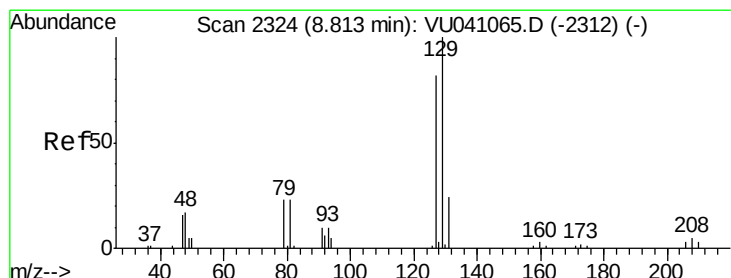
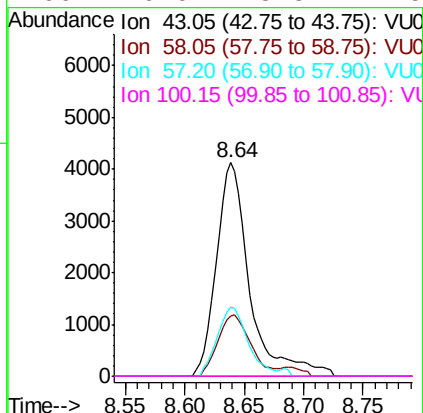
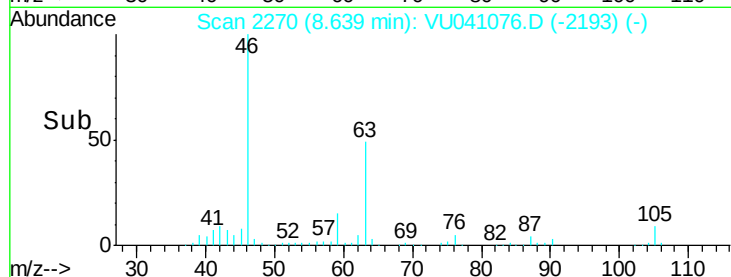
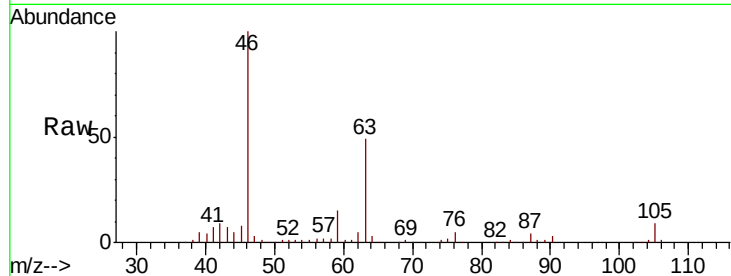
Ion Ratio Lower Upper

43 100

58 28.3 41.4 62.2#

57 29.9 14.6 21.8#

100 0.0 8.3 12.5#



#49

Dibromochloromethane

Concen: 2.002 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041076.D

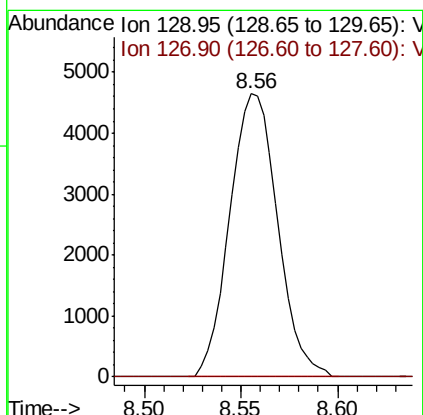
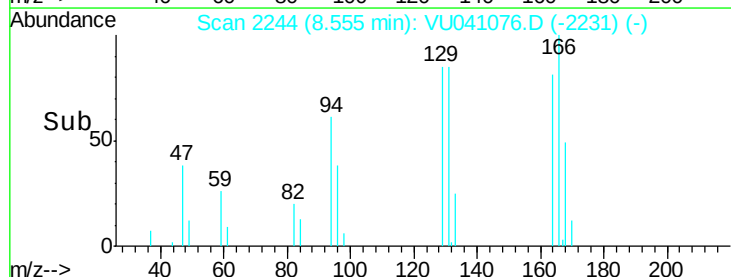
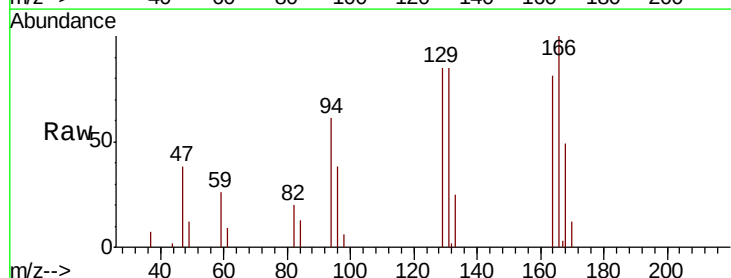
Acq: 03 Nov 2020 14:14

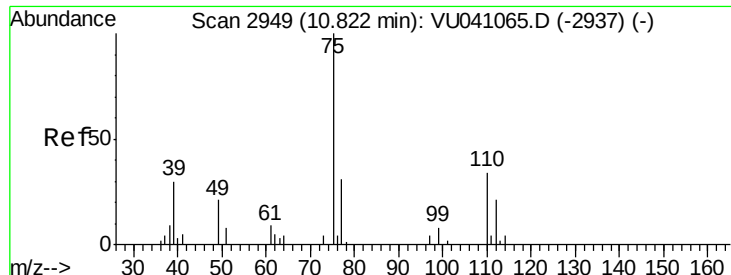
Tgt Ion: 129 Resp: 8005

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 1.006 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041076.D

Acq: 03 Nov 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

B0AN8

Tot Ion: 75 Resp: 3467

Ion Ratio Lower Upper

75 100

77 37.1 25.7 38.5

