

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040408.D
 Acq On : 30 Sep 2020 19:08
 Operator : SY/MD
 Sample : L4186-13DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F3DL

Quant Time: Oct 01 03:08:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 03:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125336	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127534	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57094	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26288	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.92	69	26429	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	44065	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	4.66	46	160379	52.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.06%
24) Chloroform-d	5.08	84	70788	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	44111	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.74	84	121036	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.70	67	45060	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	92958	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.19	79	16800	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.64	63	108621	48.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43187	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44766	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

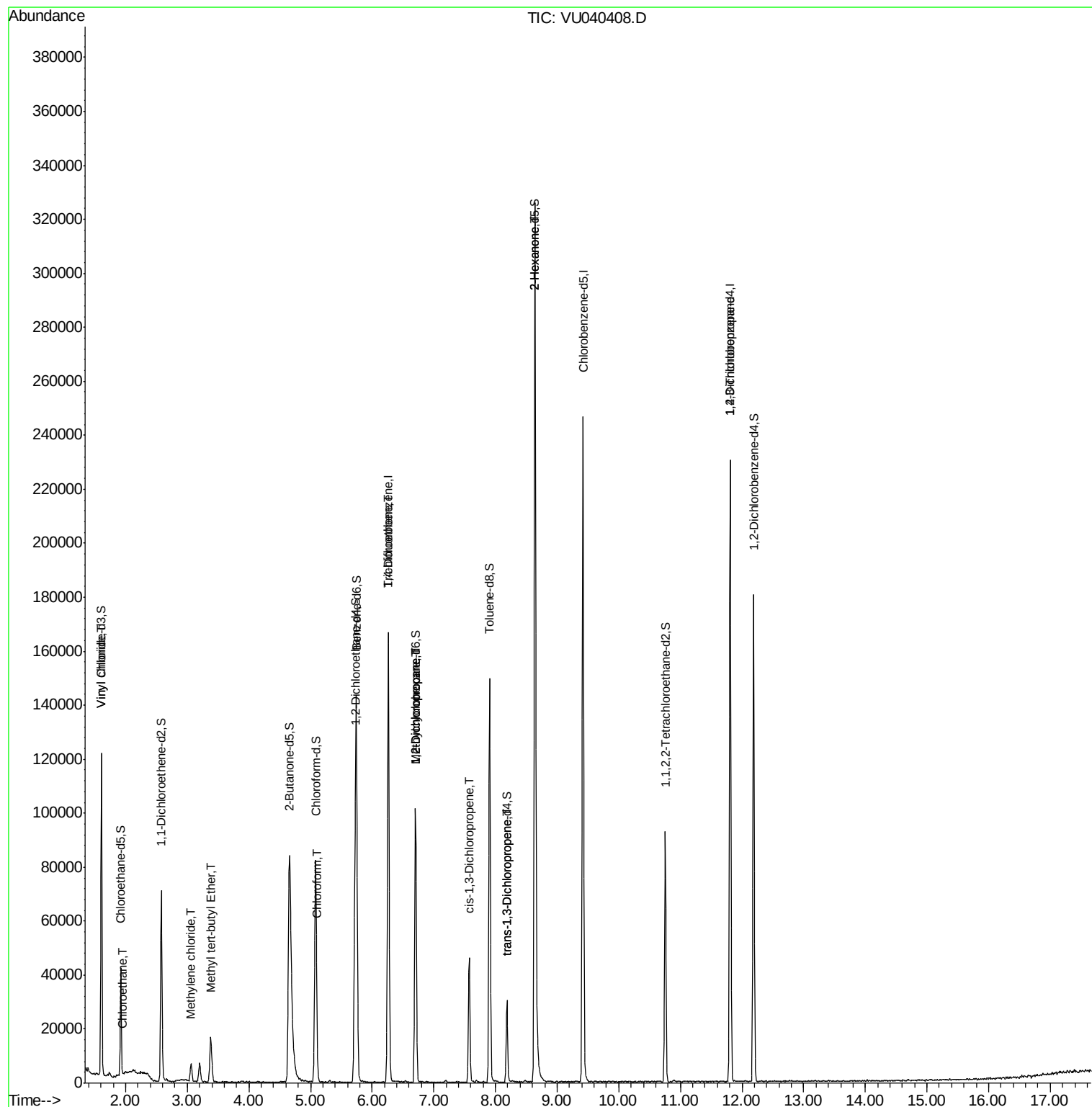
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	56909	4.697	ug/L	97
8) Chloroethane	1.96	64	475	0.066	ug/L #	44
16) Methylene chloride	3.06	84	3214	0.268	ug/L	89
17) Methyl tert-butyl Ether	3.38	73	15723	0.598	ug/L	99
25) Chloroform	5.11	83	2119	0.103	ug/L	93
34) Trichloroethene	6.27	95	2090	0.184	ug/L #	8
35) Methylcyclohexane	6.70	83	10178	0.611	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	5043	0.423	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1209	0.076	ug/L #	73
44) trans-1,3-Dichloropropene	8.19	75	781	0.053	ug/L #	69
48) 2-Hexanone	8.64	43	14827	2.158	ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	7721	0.895	ug/L	89

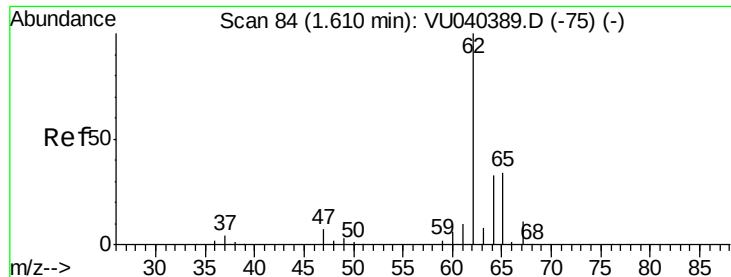
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 03:05:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.697 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040408.D

Acq: 30 Sep 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

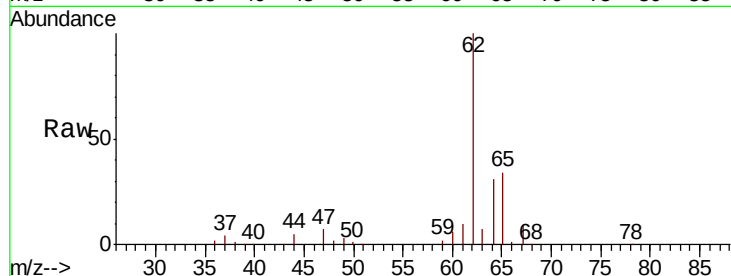
BG0F3DL

Tot Ion: 62 Resp: 56909

Ion Ratio Lower Upper

62 100

64 31.3 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU040389.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040389.D (-75) (-)

1.61

60000

50000

40000

30000

20000

10000

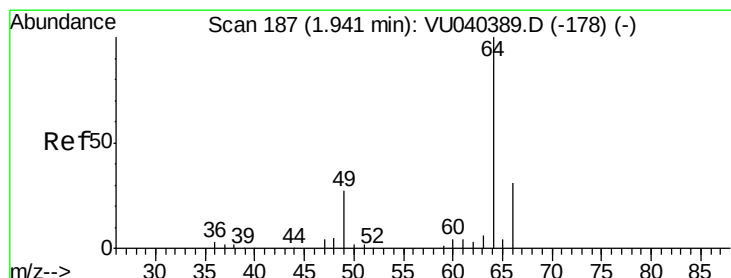
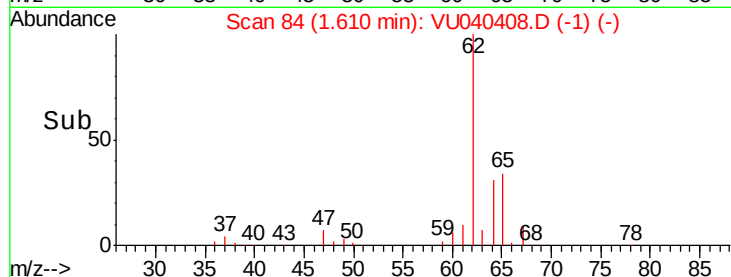
0

Time-->

1.55

1.60

1.65



#8

Chloroethane

Concen: 0.066 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.02 min

Lab File: VU040408.D

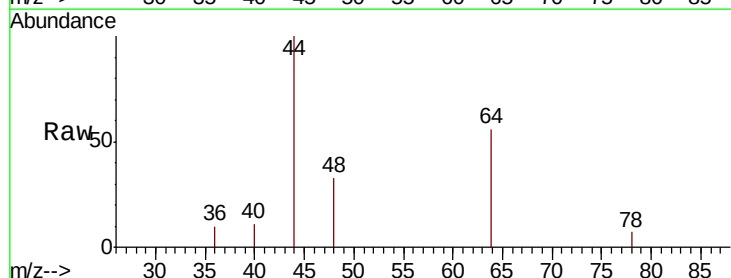
Acq: 30 Sep 2020 19:08

Tgt Ion: 64 Resp: 475

Ion Ratio Lower Upper

64 100

66 0.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU040389.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU040389.D (-178) (-)

1200

1000

800

600

400

200

0

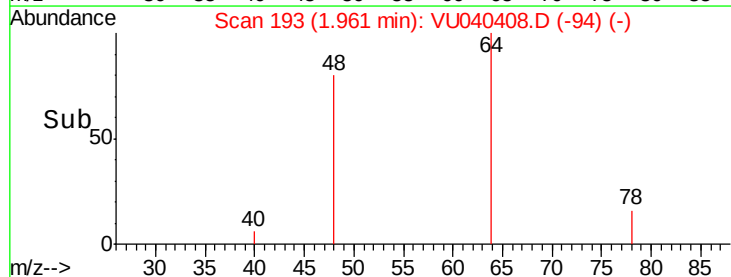
Time-->

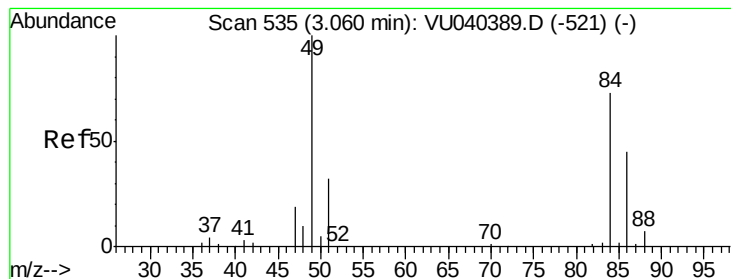
1.92

1.94

1.96

1.98





#16

Methylene chloride

Concen: 0.268 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040408.D

Acq: 30 Sep 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

BG0F3DL

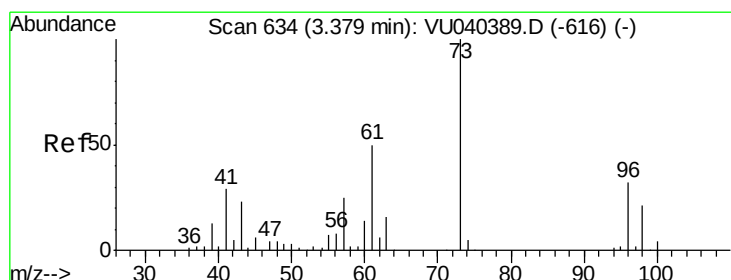
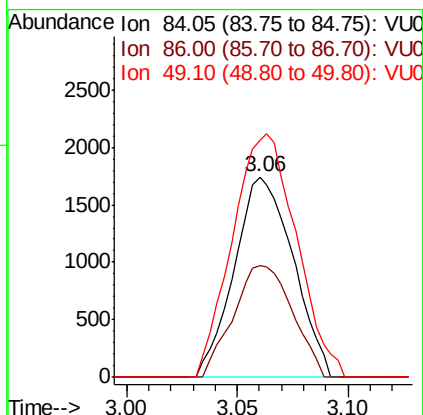
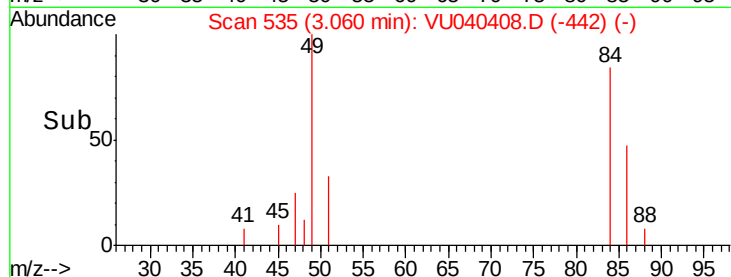
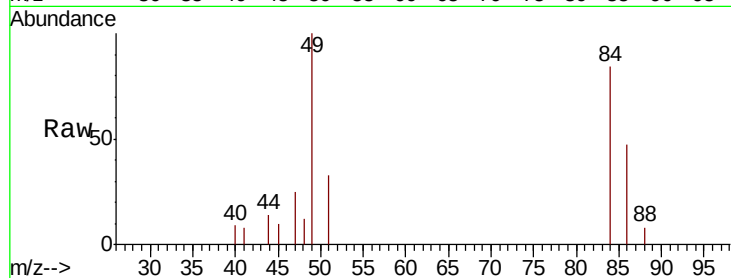
Tot Ion: 84 Resp: 3214

Ion Ratio Lower Upper

84 100

86 56.0 44.4 82.5

49 118.5 92.2 171.2



#17

Methyl tert-butyl Ether

Concen: 0.598 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040408.D

Acq: 30 Sep 2020 19:08

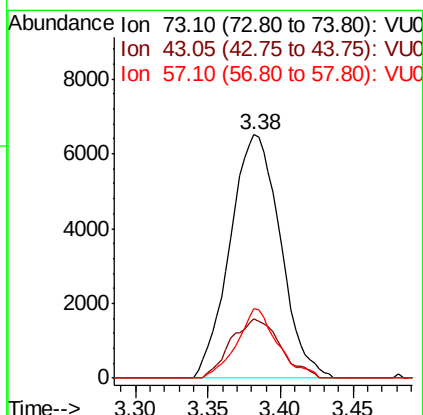
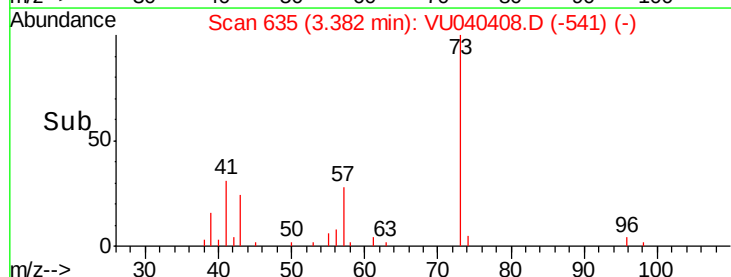
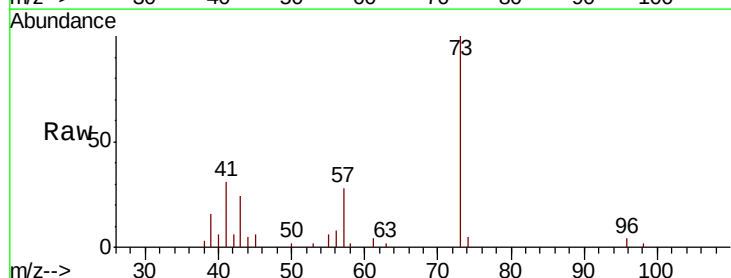
Tgt Ion: 73 Resp: 15723

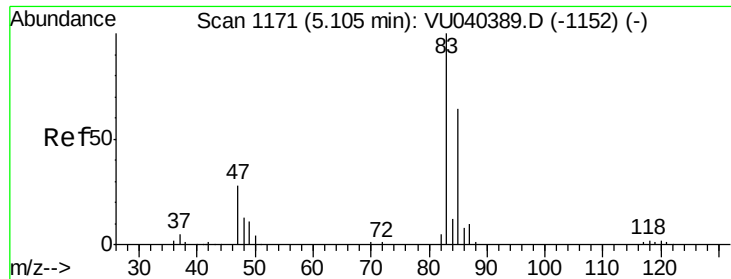
Ion Ratio Lower Upper

73 100

43 23.9 19.0 28.4

57 22.9 18.9 28.3

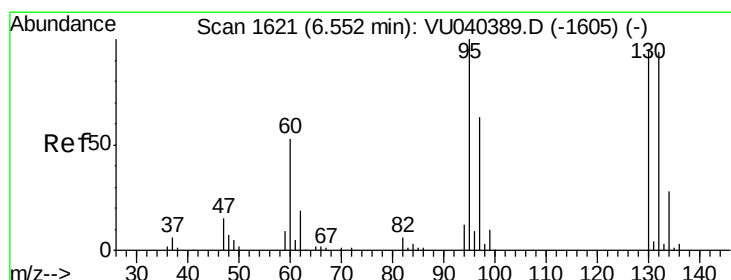
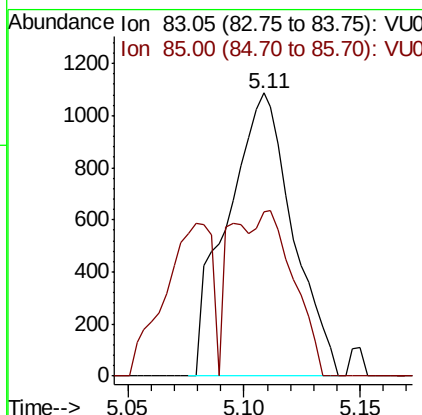
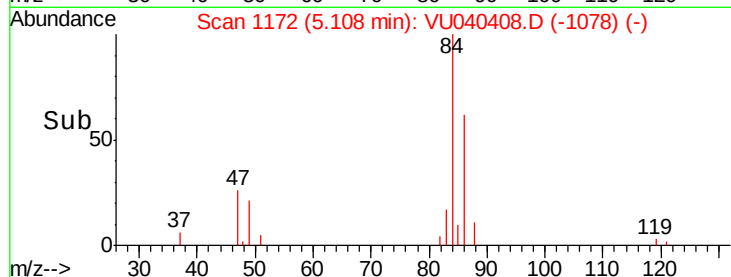
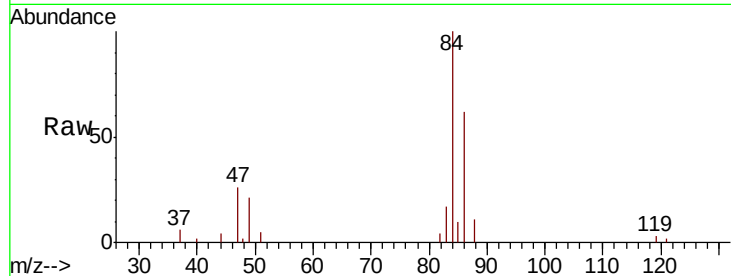




#25
Chloroform
Concen: 0.103 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040408.D
Acq: 30 Sep 2020 19:08

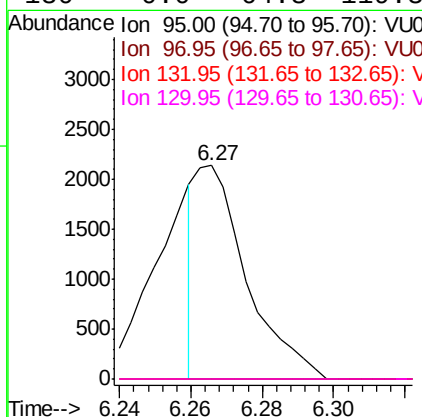
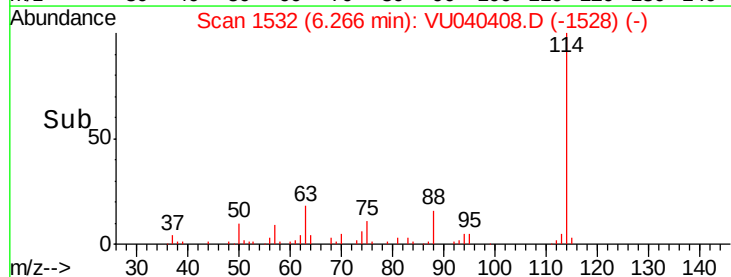
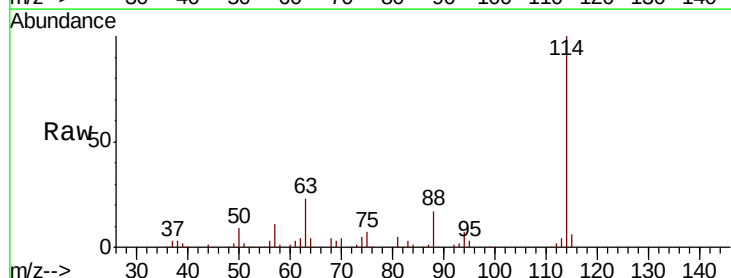
Instrument :
MSVOA_U
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BG0F3DL

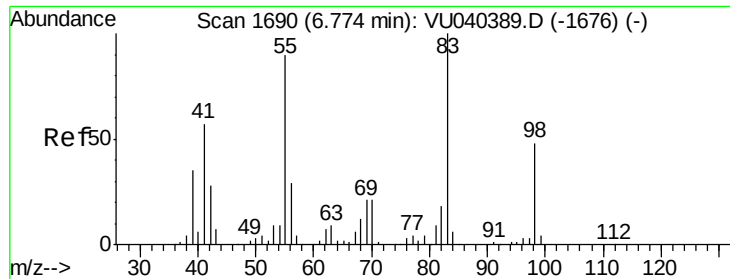
Tot Ion: 83 Resp: 2119
Ion Ratio Lower Upper
83 100
85 57.9 44.6 82.8



#34
Trichloroethene
Concen: 0.184 ug/L
RT: 6.27 min Scan# 1532
Delta R.T. -0.29 min
Lab File: VU040408.D
Acq: 30 Sep 2020 19:08

Tgt Ion: 95 Resp: 2090
Ion Ratio Lower Upper
95 100
97 0.0 46.3 85.9#
132 0.0 60.5 112.3#
130 0.0 64.3 119.3#

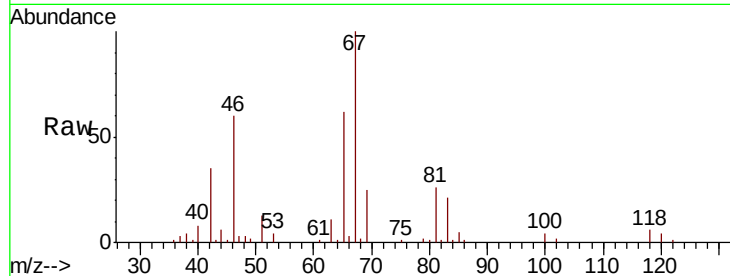




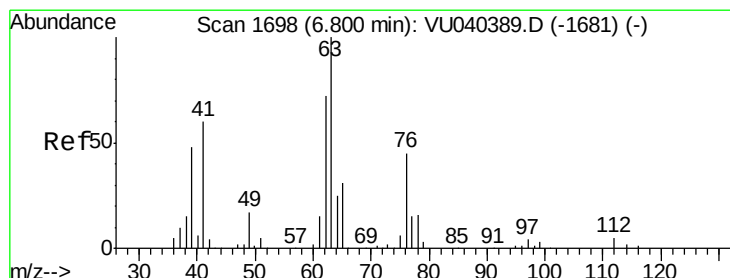
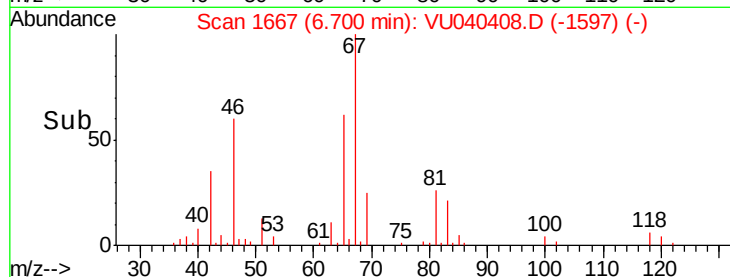
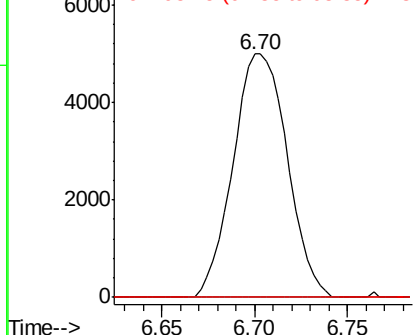
#35
Methylcyclohexane
Concen: 0.611 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040408.D
Acq: 30 Sep 2020 19:08

Instrument :
MSVOA_U
ClientSampleId :
BG0F3DL

Tot Ion: 83 Resp: 10178
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.0 38.5 57.7#

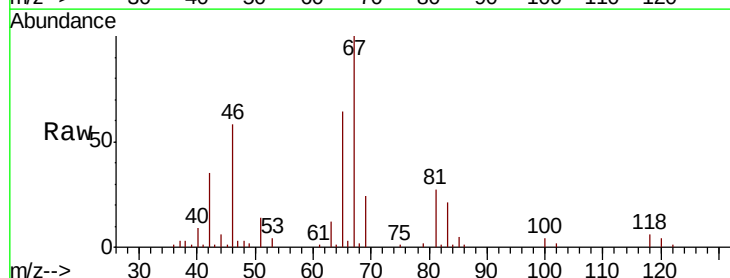


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

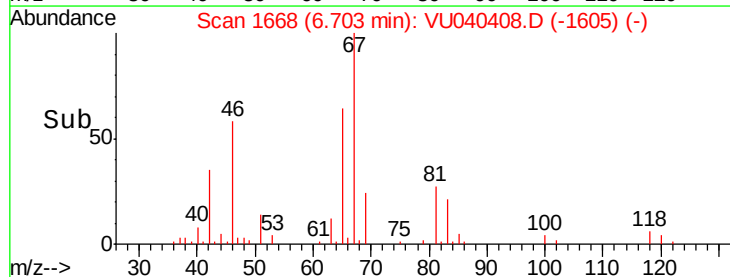
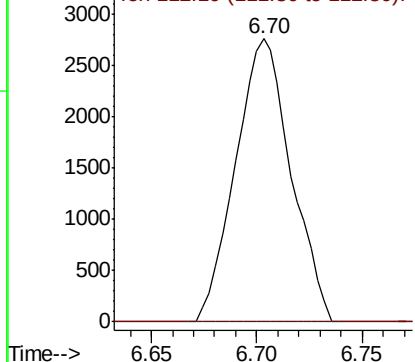


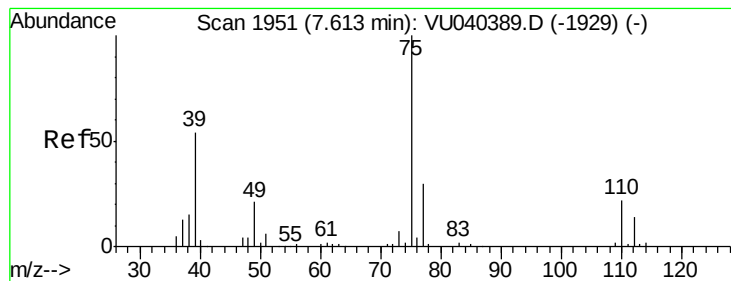
#37
1,2-Dichloropropane
Concen: 0.423 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040408.D
Acq: 30 Sep 2020 19:08

Tgt Ion: 63 Resp: 5043
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040408.D

Acq: 30 Sep 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

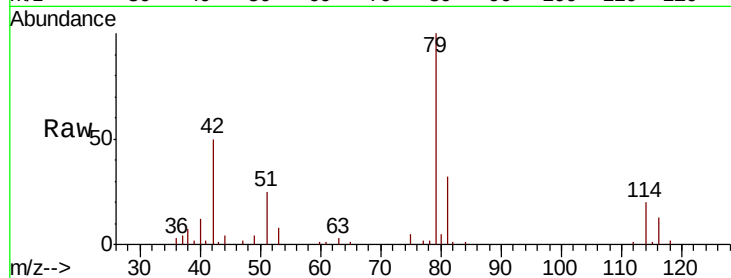
BG0F3DL

Tot Ion: 75 Resp: 1209

Ion Ratio Lower Upper

75 100

77 49.1 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.58

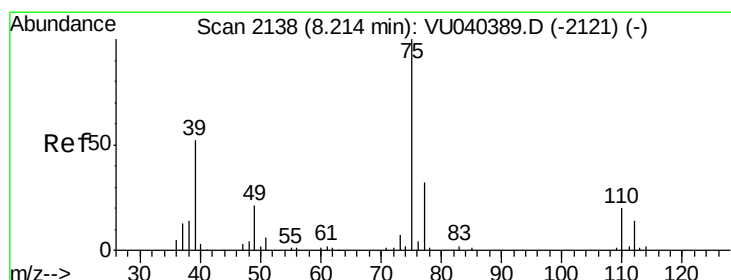
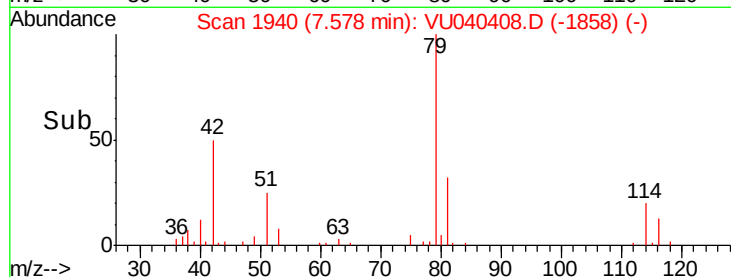
600

400

200

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.053 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040408.D

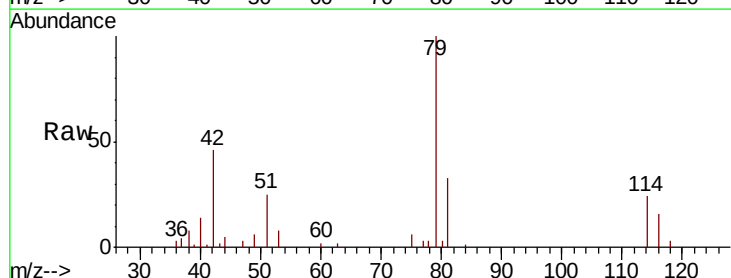
Acq: 30 Sep 2020 19:08

Tgt Ion: 75 Resp: 781

Ion Ratio Lower Upper

75 100

77 48.8 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

600

500

400

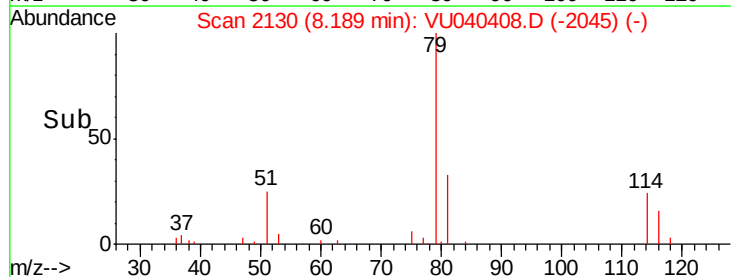
300

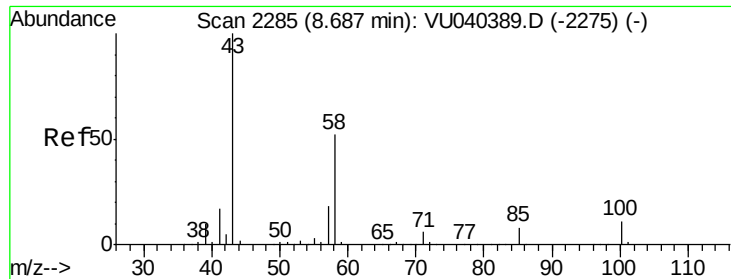
200

100

0

Time-->

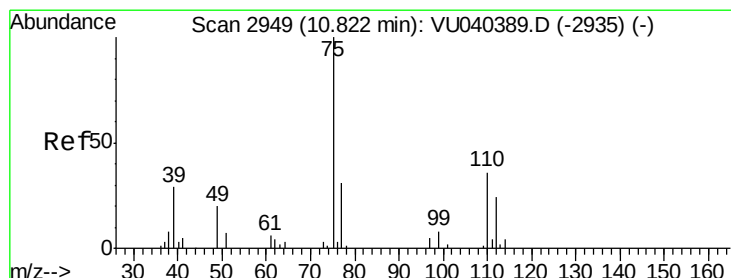
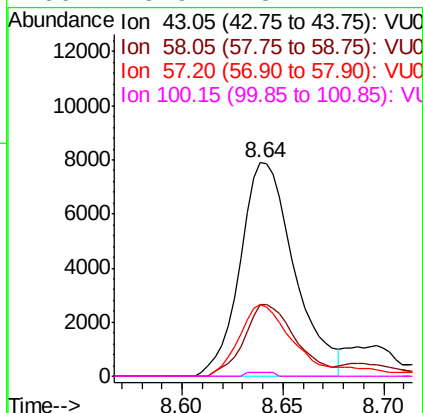
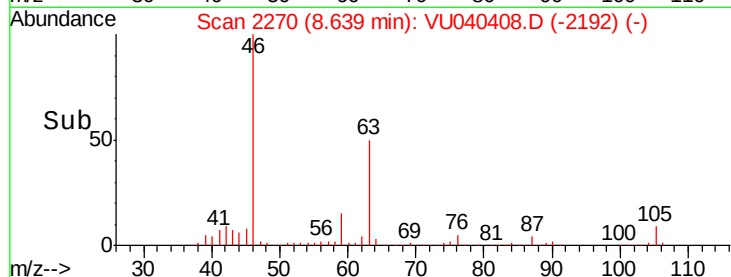
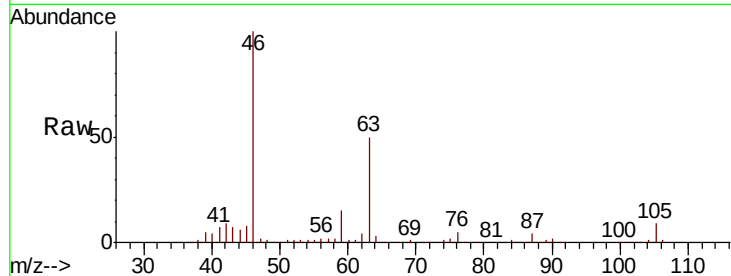




#48
 2-Hexanone
 Concen: 2.158 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU040408.D
 Acq: 30 Sep 2020 19:08

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F3DL

Tot Ion:	43	Resp:	14827
Ion	Ratio	Lower	Upper
43	100		
58	32.0	41.0	61.4#
57	35.2	14.6	22.0#
100	0.9	8.2	12.4#



#59
 1,2,3-Trichloropropane
 Concen: 0.895 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU040408.D
 Acq: 30 Sep 2020 19:08

Tgt Ion:	75	Resp:	7721
Ion	Ratio	Lower	Upper
75	100		
77	38.4	25.7	38.5

