

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112420\
 Data File : VU041416.D
 Acq On : 24 Nov 2020 14:32
 Operator : SY/MD
 Sample : L4849-08DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4421DL

Quant Time: Nov 25 07:39:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 25 07:37:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58947	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60777	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28517	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19188	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.92	69	15093	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.58	63	31990	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.65	46	76476	72.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.92%#
24) Chloroform-d	5.08	84	43803	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	30148	6.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.60%
32) Benzene-d6	5.74	84	78003	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	24381	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.90	98	66324	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	8.19	79	11786	5.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.60%
46) 2-Hexanone-d5	8.64	63	48307	68.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.46%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24001	6.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.60%#
64) 1,2-Dichlorobenzene-d4	12.19	152	26565	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

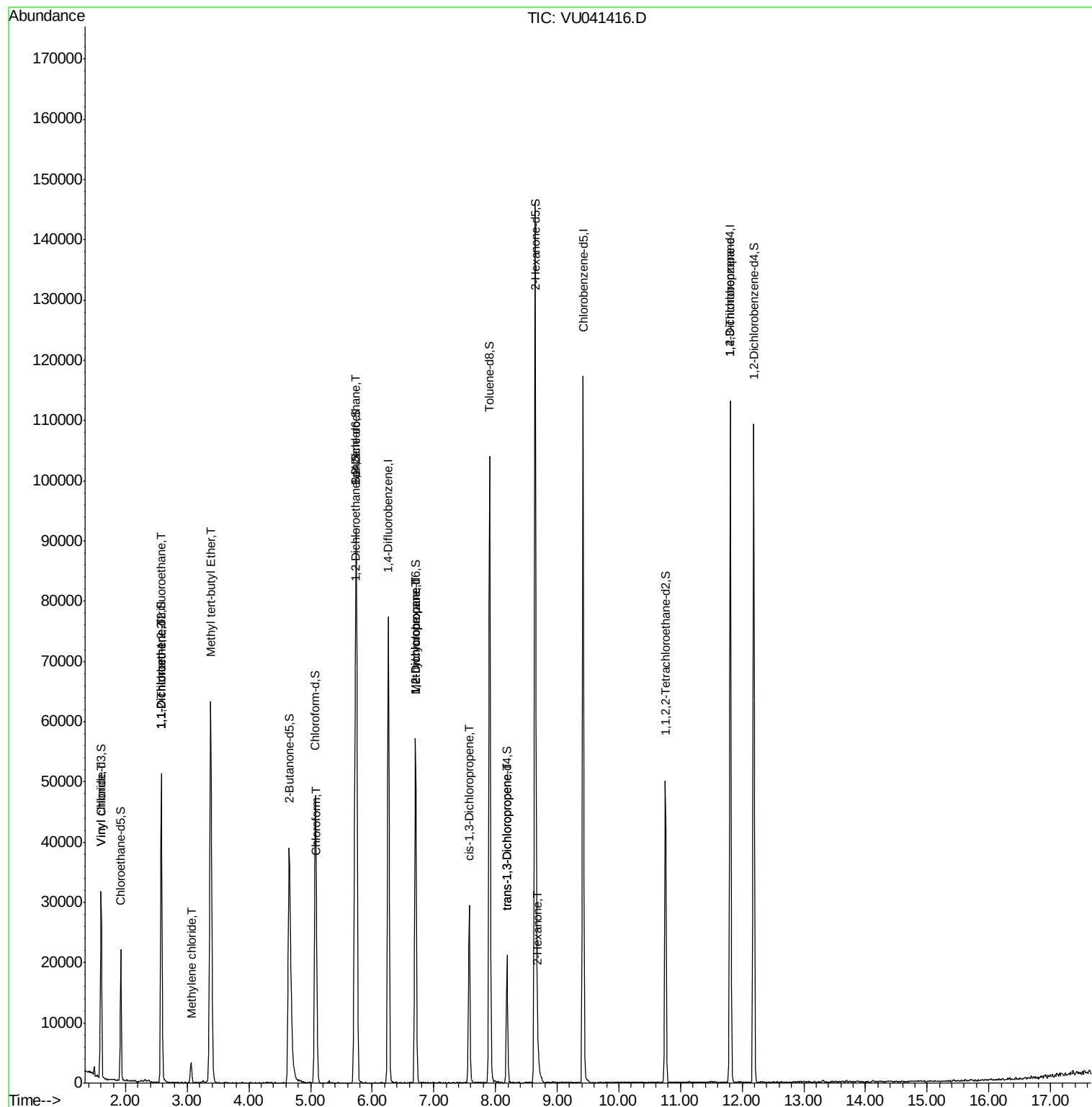
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	1259	0.244	ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	202	0.049	ug/L #	21
12) 1,1-Dichloroethene	2.58	96	206	0.057	ug/L #	1
16) Methylene chloride	3.06	84	1516	0.292	ug/L	99
17) Methyl tert-butyl Ether	3.38	73	65469	7.243	ug/L	99
25) Chloroform	5.11	83	2139	0.249	ug/L	86
27) 1,2-Dichloroethane	5.74	62	496	0.089	ug/L #	78
35) Methylcyclohexane	6.70	83	6301	0.973	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3001	0.671	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	837	0.136	ug/L #	78
44) trans-1,3-Dichloropropene	8.19	75	614	0.109	ug/L	100
48) 2-Hexanone	8.69	43	1123	0.558	ug/L #	86
59) 1,2,3-Trichloropropane	11.81	75	3638	1.245	ug/L #	84

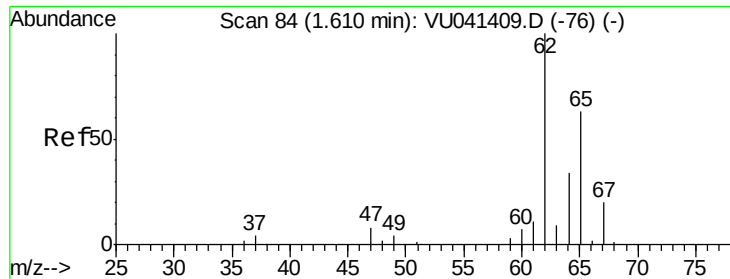
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.244 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041416.D

Acq: 24 Nov 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

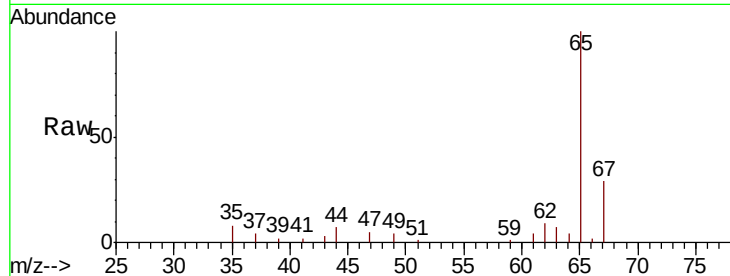
H4421DL

Tot Ion: 62 Resp: 1259

Ion Ratio Lower Upper

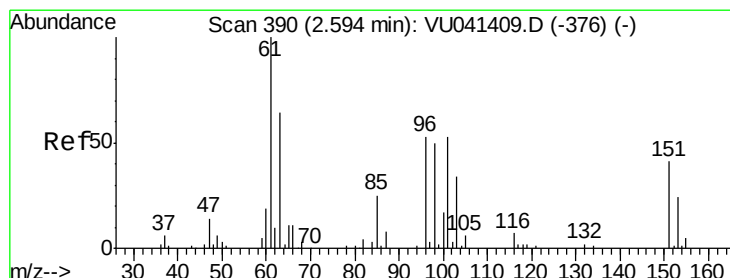
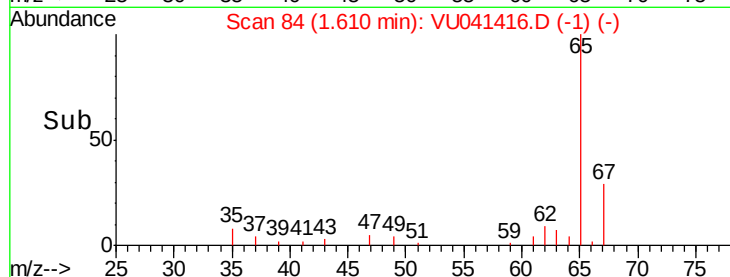
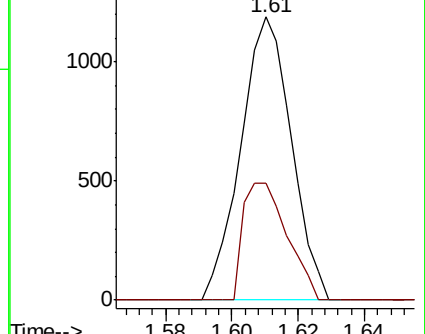
62 100

64 41.5 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU041409.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU041409.D (-76) (-)



#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041416.D

Acq: 24 Nov 2020 14:32

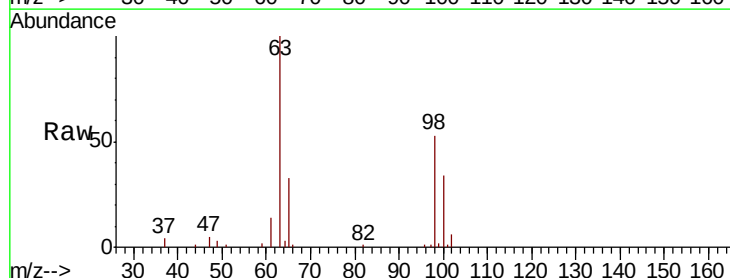
Tgt Ion: 101 Resp: 202

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

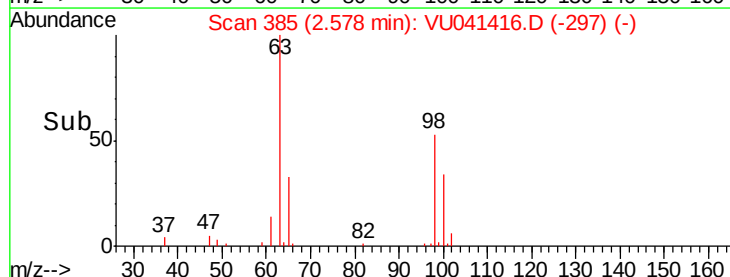
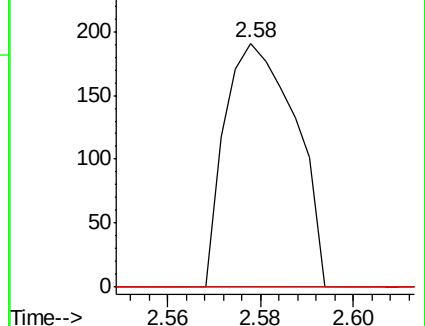
151 0.0 56.2 84.2#

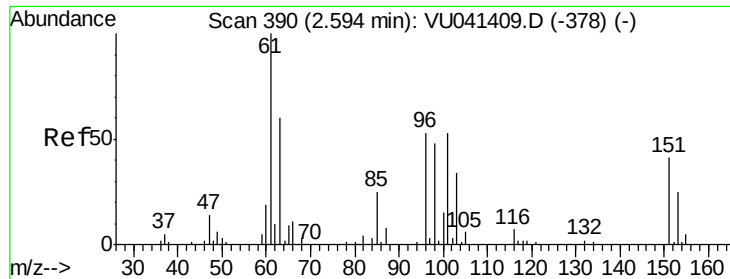


Abundance Ion 101.00 (100.70 to 101.70): VU041409.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VU041409.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VU041409.D (-376) (-)

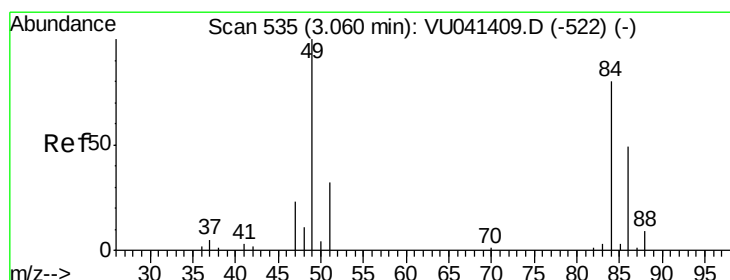
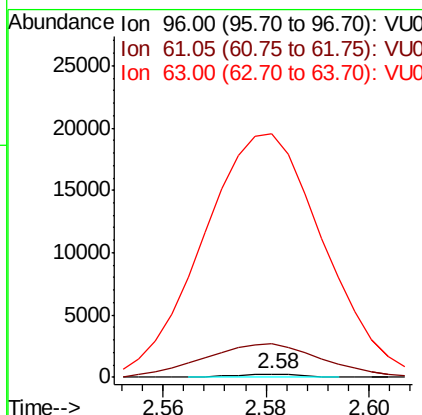
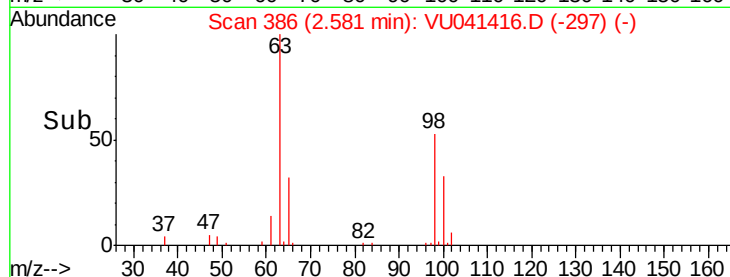
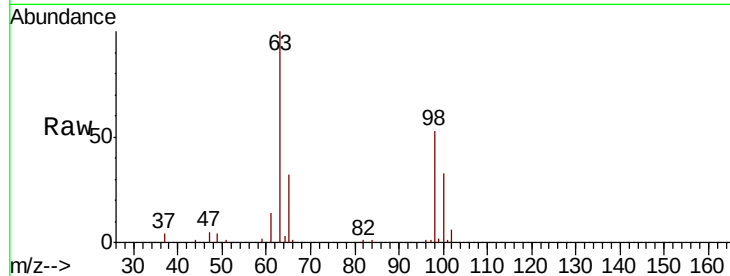




#12
 1,1-Dichloroethene
 Concen: 0.057 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU041416.D
 Acq: 24 Nov 2020 14:32

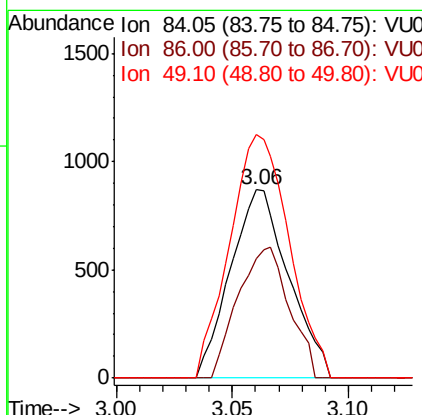
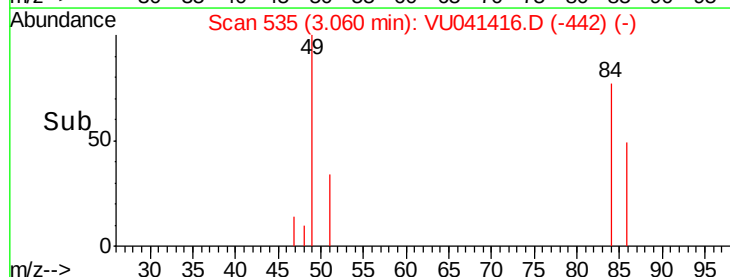
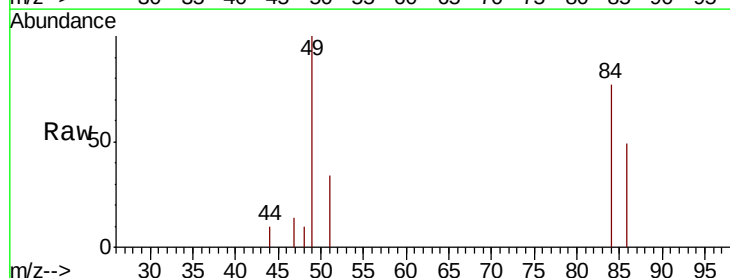
Instrument :
 MSVOA_U
 ClientSampleID :
 H4421DL

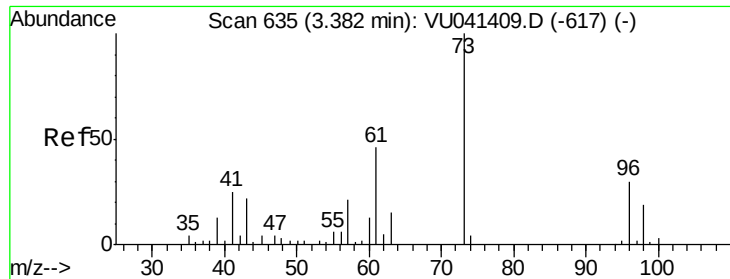
Tot Ion: 96 Resp: 206
 Ion Ratio Lower Upper
 96 100
 61 1124.6 129.8 241.2#
 63 8278.0 79.2 147.0#



#16
 Methylene chloride
 Concen: 0.292 ug/L
 RT: 3.06 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU041416.D
 Acq: 24 Nov 2020 14:32

Tgt Ion: 84 Resp: 1516
 Ion Ratio Lower Upper
 84 100
 86 63.5 44.4 82.5
 49 129.5 89.9 167.0

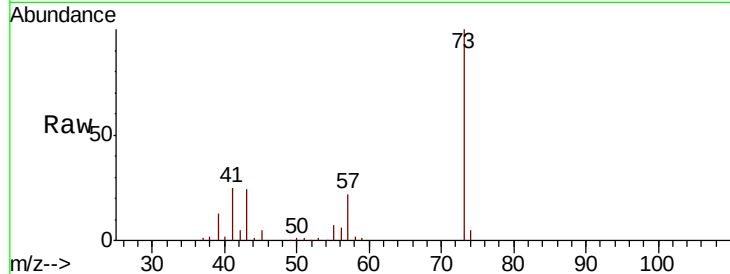




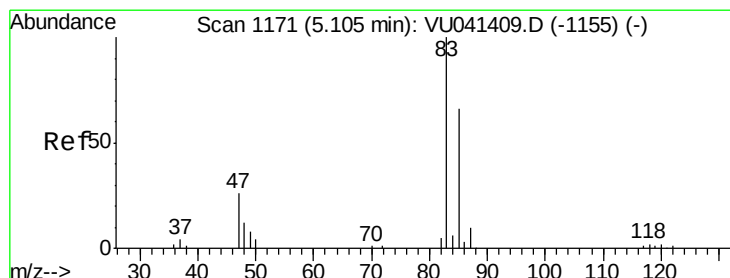
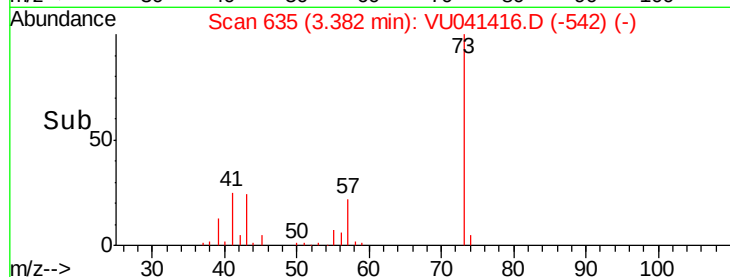
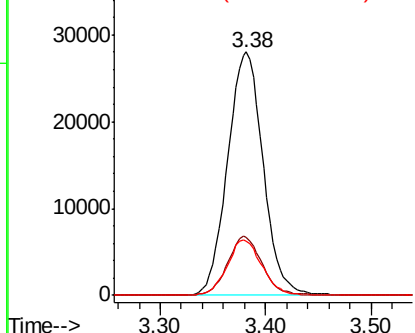
#17
Methyl tert-butyl Ether
Concen: 7.243 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU041416.D
Acq: 24 Nov 2020 14:32

Instrument :
MSVOA_U
ClientSampleID :
H4421DL

Tot Ion: 73 Resp: 65469
Ion Ratio Lower Upper
73 100
43 23.5 18.3 27.5
57 22.2 17.7 26.5

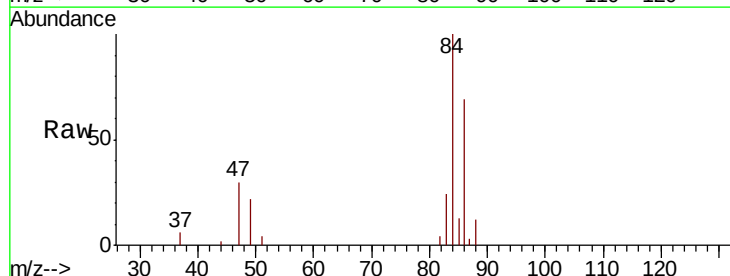


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

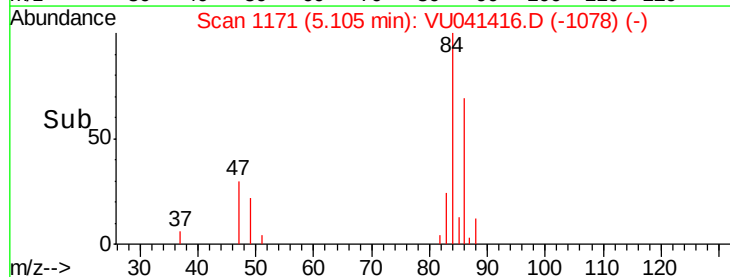
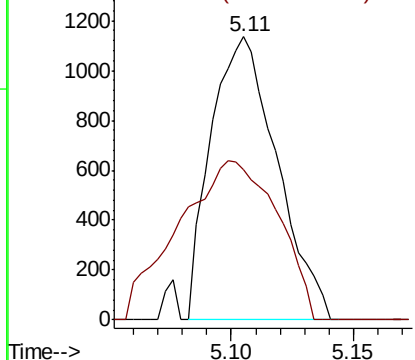


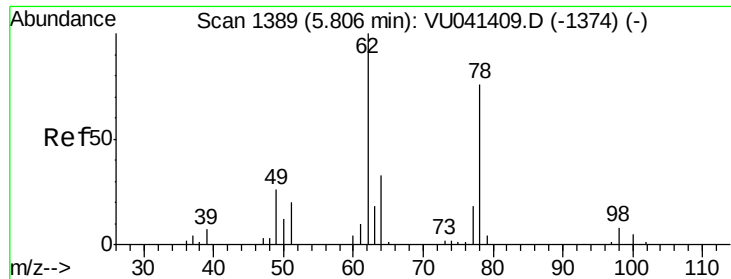
#25
Chloroform
Concen: 0.249 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041416.D
Acq: 24 Nov 2020 14:32

Tgt Ion: 83 Resp: 2139
Ion Ratio Lower Upper
83 100
85 53.2 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

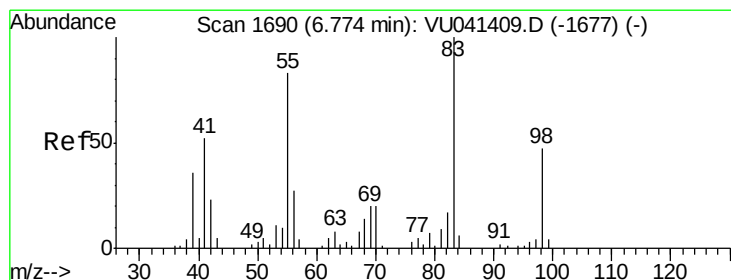
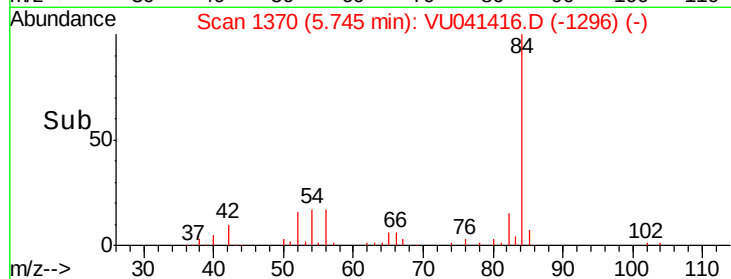
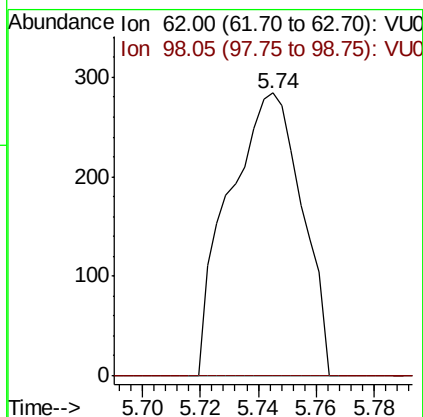
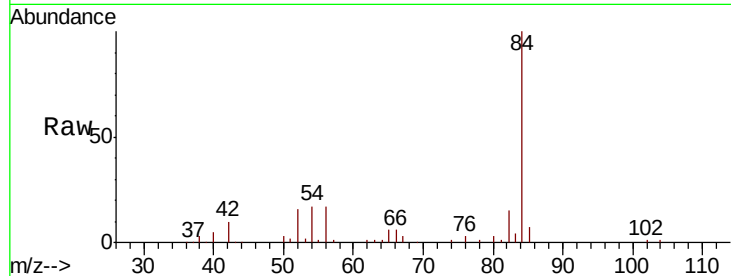




#27
 1,2-Dichloroethane
 Concen: 0.089 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041416.D
 Acq: 24 Nov 2020 14:32

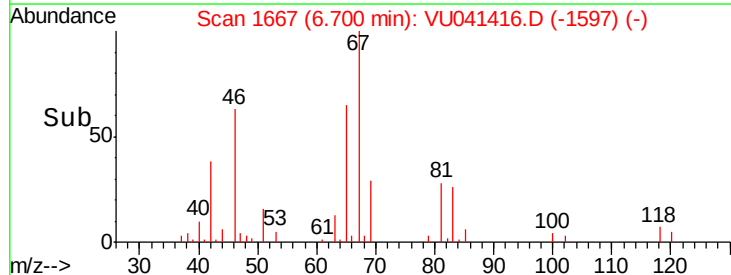
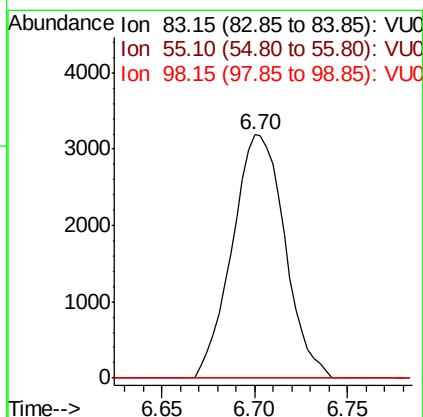
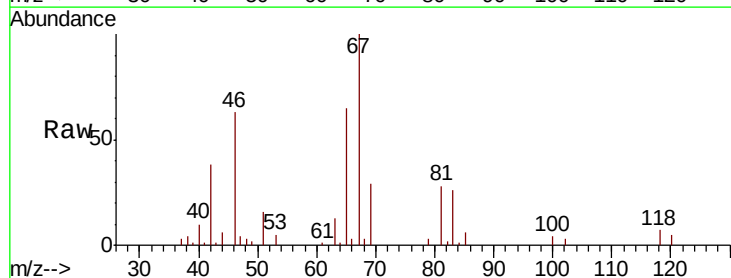
Instrument :
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 ClientSampleID :
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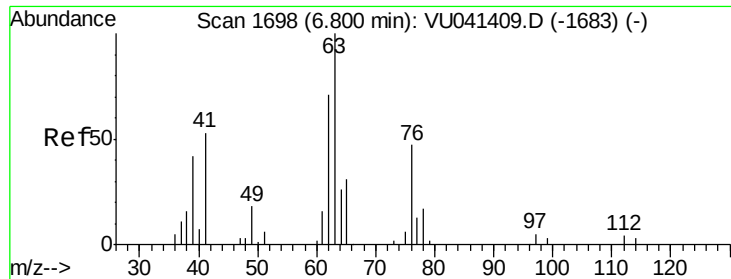
Tot Ion: 62.00 Resp: 496
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.0 9.0#



#35
 Methylcyclohexane
 Concen: 0.973 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041416.D
 Acq: 24 Nov 2020 14:32

Tgt Ion: 83 Resp: 6301
 Ion Ratio Lower Upper
 83 100
 55 0.0 68.4 102.6#
 98 0.0 36.5 54.7#

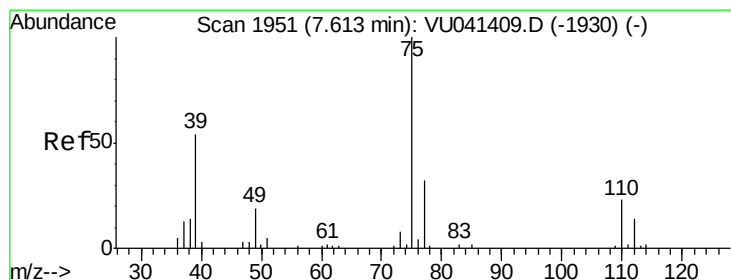
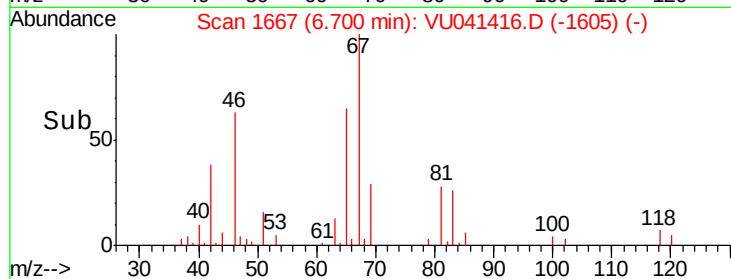
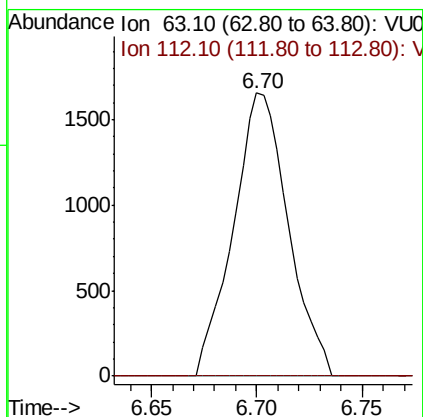
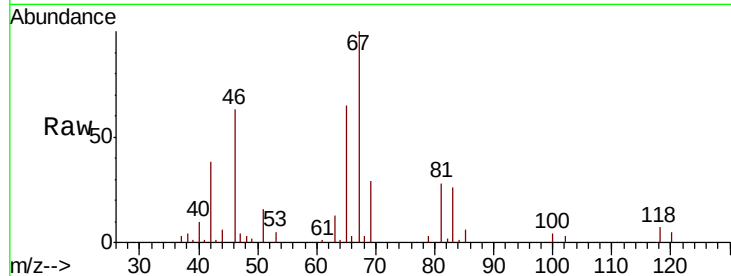




#37
 1,2-Dichloropropane
 Concen: 0.671 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041416.D
 Acq: 24 Nov 2020 14:32

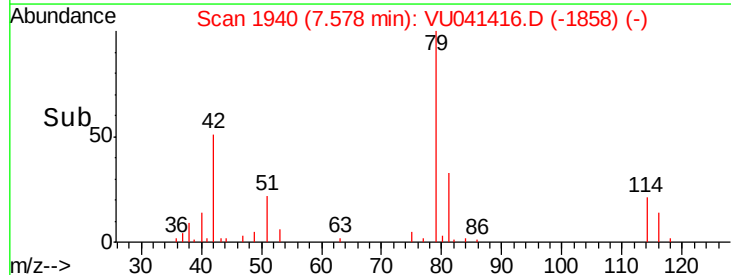
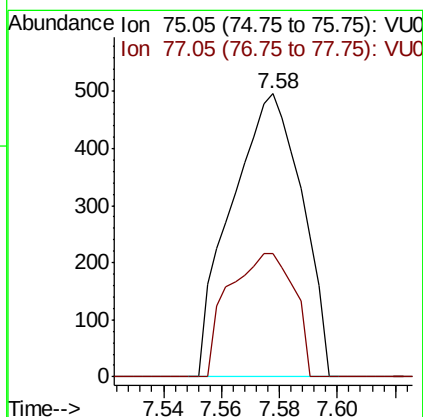
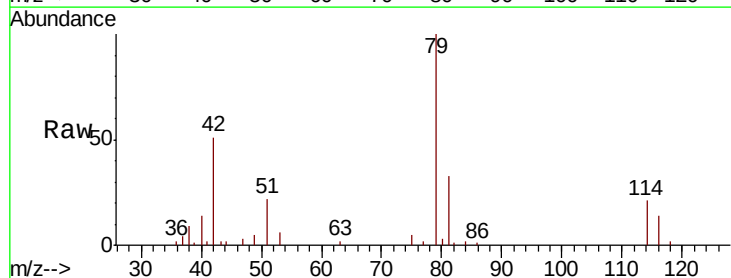
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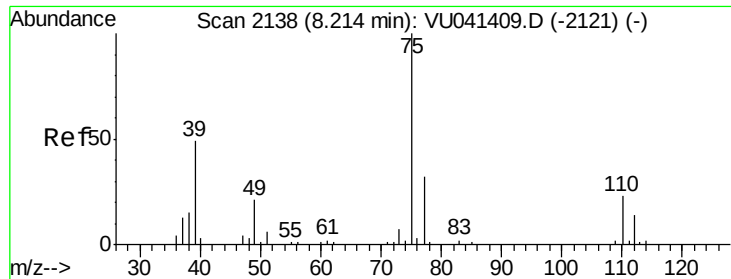
Tot Ion: 63 Resp: 3001
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 4.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.136 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041416.D
 Acq: 24 Nov 2020 14:32

Tgt Ion: 75 Resp: 837
 Ion Ratio Lower Upper
 75 100
 77 43.8 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041416.D

Acq: 24 Nov 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

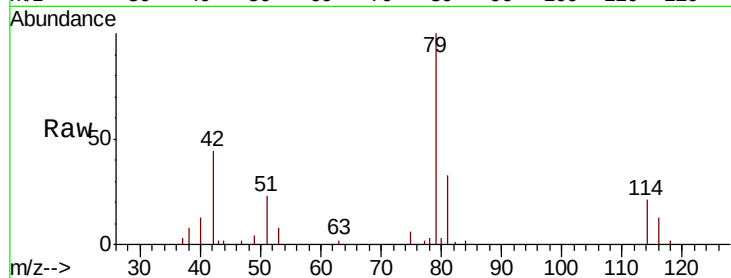
H4421DL

Tot Ion: 75 Resp: 614

Ion Ratio Lower Upper

75 100

77 30.8 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

400

300

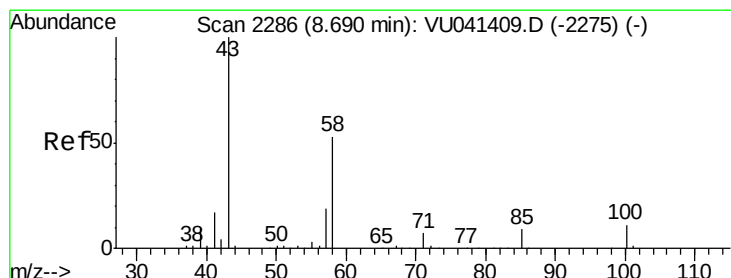
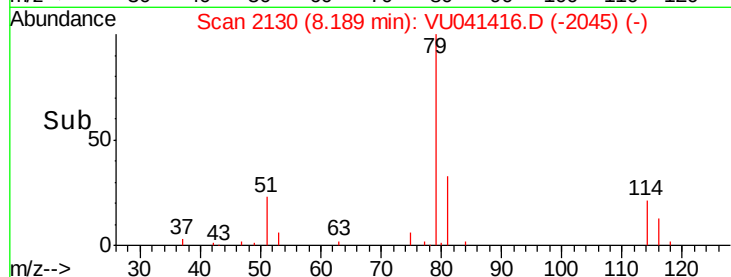
200

100

0

8.14 8.16 8.18 8.20 8.22

Time-->



#48

2-Hexanone

Concen: 0.558 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VU041416.D

Acq: 24 Nov 2020 14:32

Tgt Ion: 43 Resp: 1123

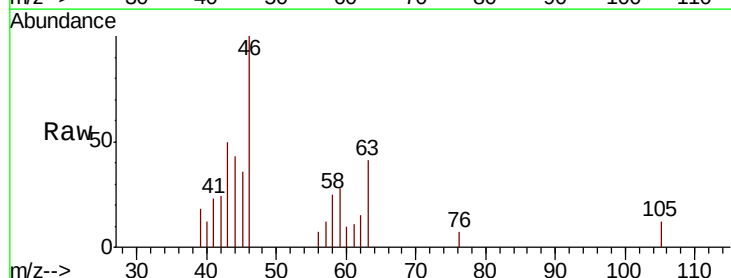
Ion Ratio Lower Upper

43 100

58 51.4 42.0 63.0

57 0.0 15.0 22.4#

100 0.0 8.4 12.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

2000

1500

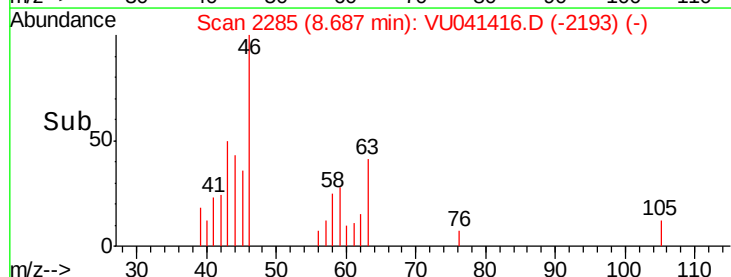
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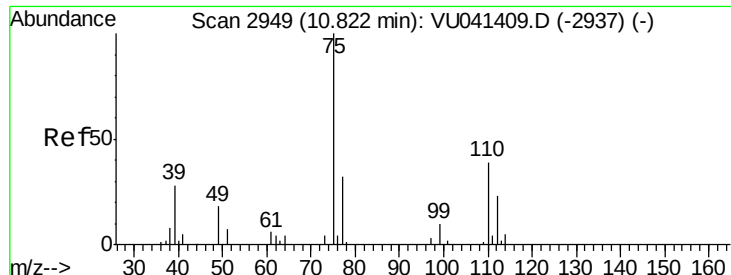
500

0

8.68 8.70 8.72

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.245 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041416.D

Acq: 24 Nov 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

H4421DL

Tot Ion: 75 Resp: 3638

Ion Ratio Lower Upper

75 100

77 40.4 25.1 37.7#

