

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041300.D
 Acq On : 18 Nov 2020 01:01
 Operator : SY/MD
 Sample : L4759-06DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4425DL

Quant Time: Nov 18 06:12:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 18 00:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	65643	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68914	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25551	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23553	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.92	69	21339	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.58	63	39351	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.66	46	95504	47.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.94%
24) Chloroform-d	5.08	84	52064	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.72	65	33225	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.74	84	91497	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	31767	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.91	98	76873	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.19	79	12332	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.64	63	70095	47.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27576	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	25347	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

				Ovalue
3) Chloromethane	1.52	50	261	0.045 ug/L # 82
5) Vinyl chloride	1.61	62	2139	0.375 ug/L # 1
8) Chloroethane	1.94	64	146	0.039 ug/L # 43
12) 1,1-Dichloroethene	2.58	96	386	0.090 ug/L # 1
16) Methylene chloride	3.06	84	2410	0.450 ug/L 93
17) Methyl tert-butyl Ether	3.38	73	9370	0.801 ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	2716	0.653 ug/L 97
19) 1,1-Dichloroethane	3.89	63	929	0.100 ug/L # 80
22) cis-1,2-Dichloroethene	4.68	96	39401	8.383 ug/L 97
27) 1,2-Dichloroethane	5.74	62	484	0.067 ug/L # 74
34) Trichloroethene	6.55	95	22657	4.489 ug/L 97
35) Methylcyclohexane	6.70	83	7391	1.102 ug/L # 18
37) 1,2-Dichloropropane	6.70	63	3659	0.670 ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	892	0.117 ug/L # 68
44) trans-1,3-Dichloropropene	8.19	75	512	0.071 ug/L # 78
48) 2-Hexanone	8.64	43	10143	3.008 ug/L # 65
59) 1,2,3-Trichloropropane	11.81	75	3237	0.752 ug/L # 86

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QLast Update : Wed Nov 18 00:06:52 2020
Response via : Initial Calibration

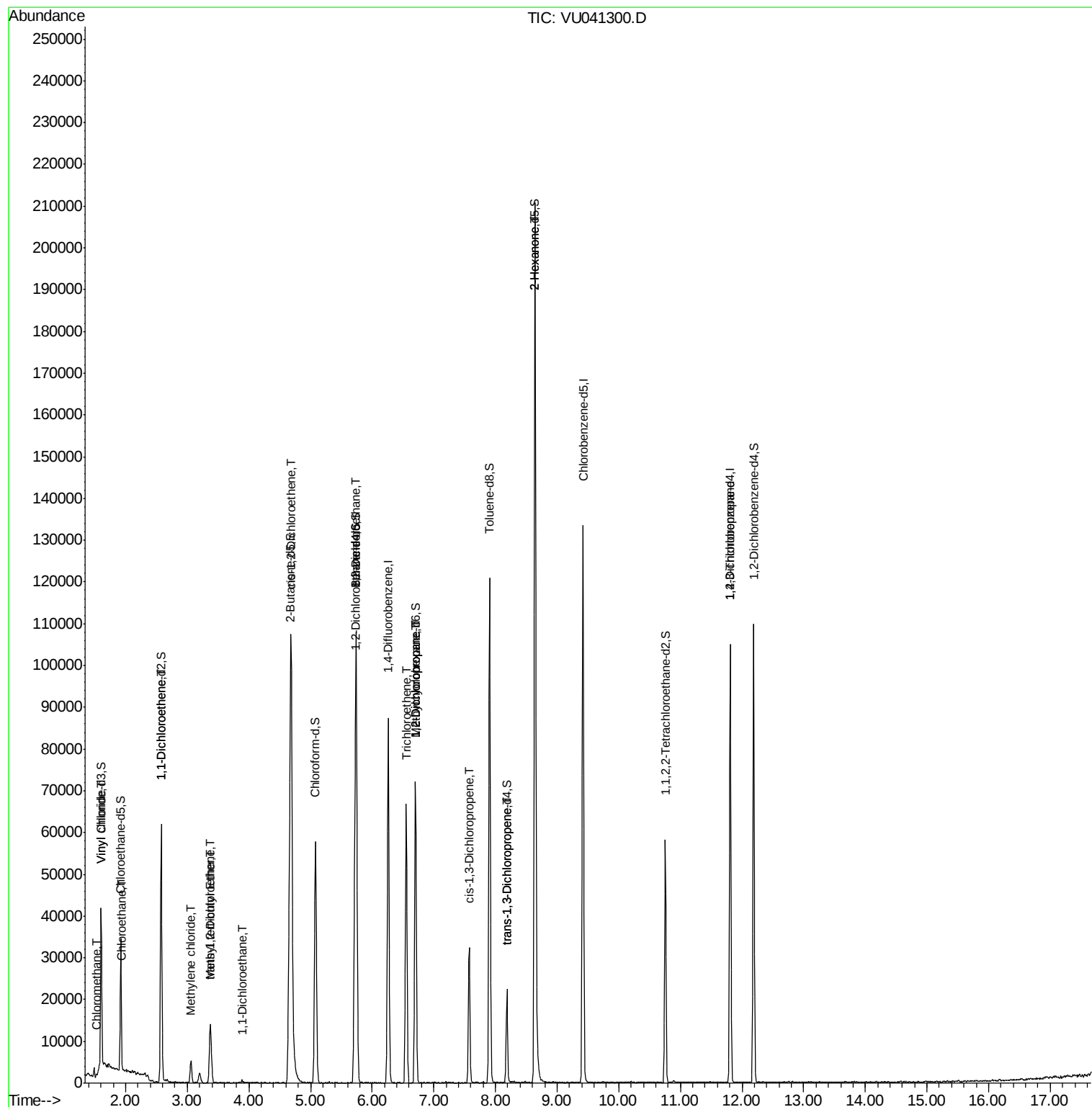
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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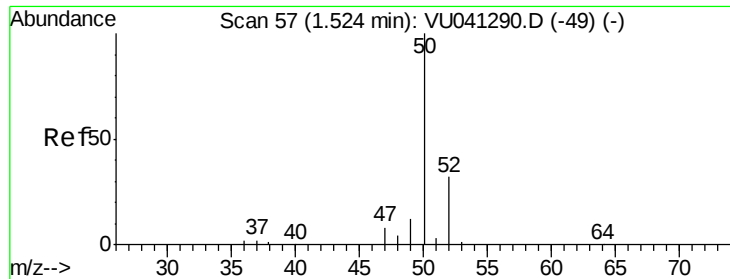
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.045 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041300.D

Acq: 18 Nov 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

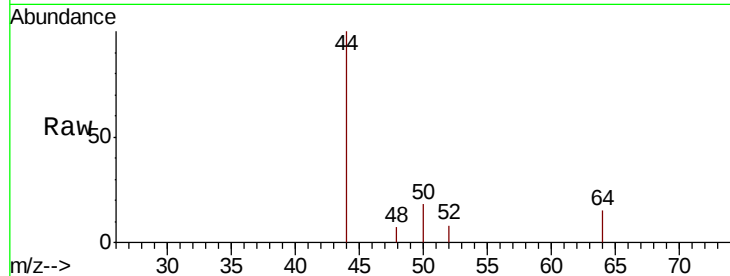
H4425DL

Tot Ion: 50 Resp: 261

Ion Ratio Lower Upper

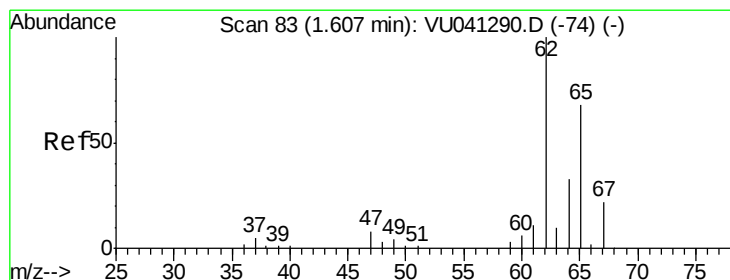
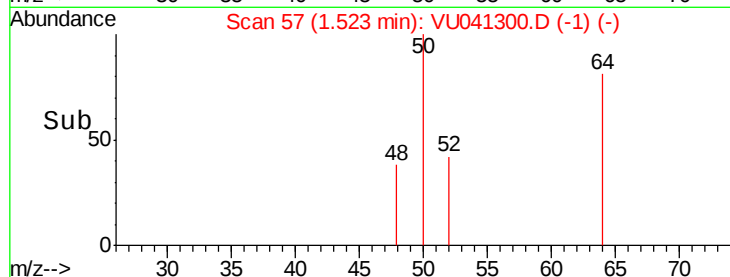
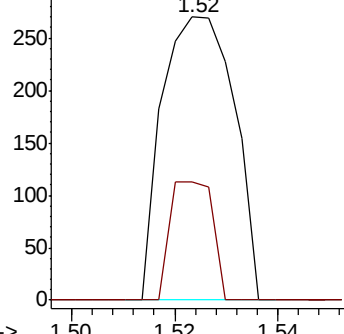
50 100

52 41.9 22.4 41.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.375 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041300.D

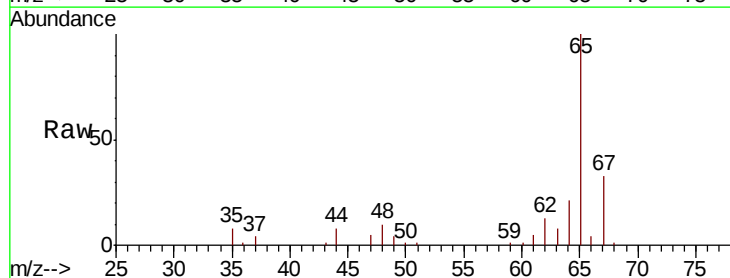
Acq: 18 Nov 2020 01:01

Tgt Ion: 62 Resp: 2139

Ion Ratio Lower Upper

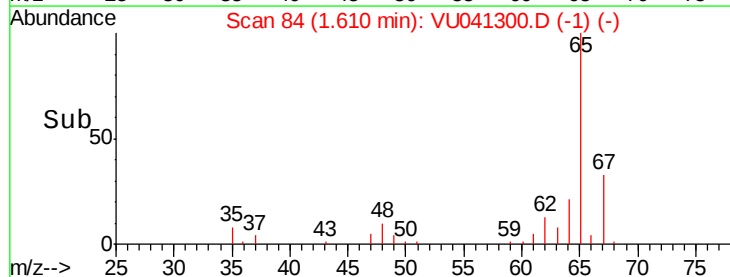
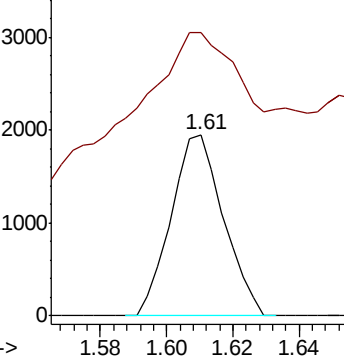
62 100

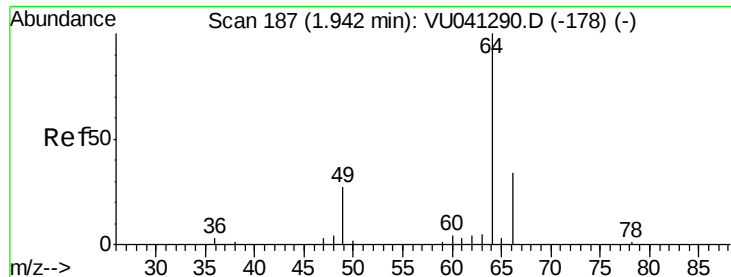
64 155.8 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

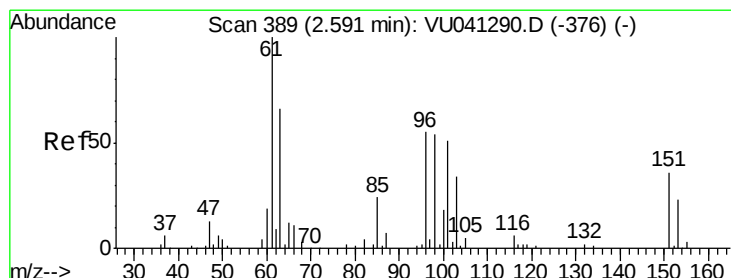
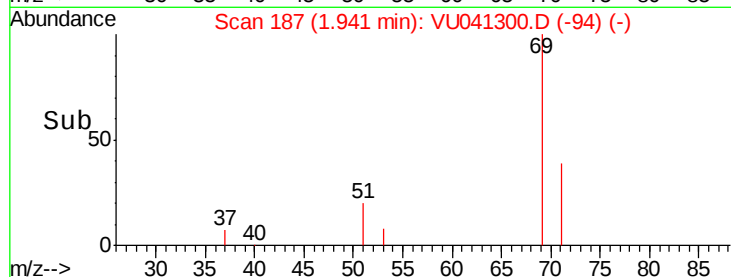
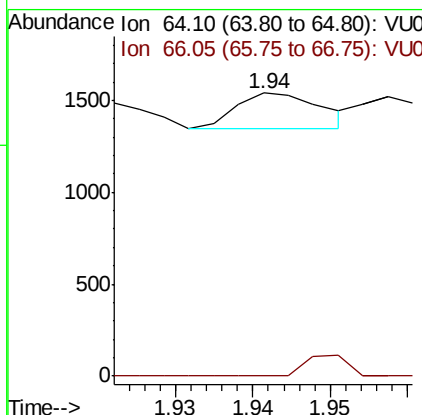
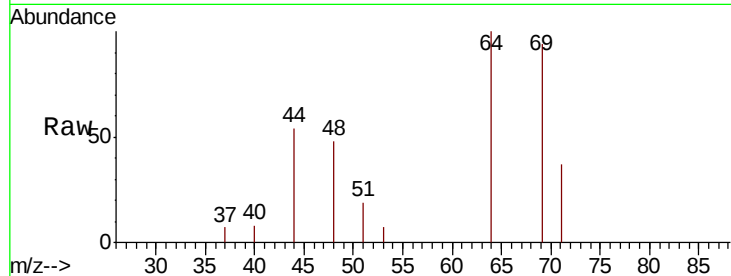




#8
Chloroethane
Concen: 0.039 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041300.D
Acq: 18 Nov 2020 01:01

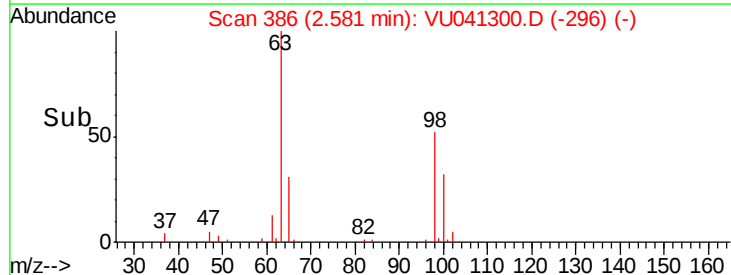
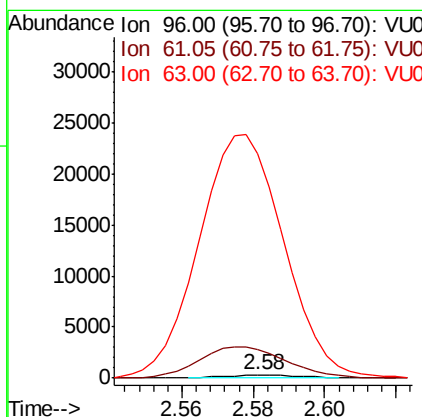
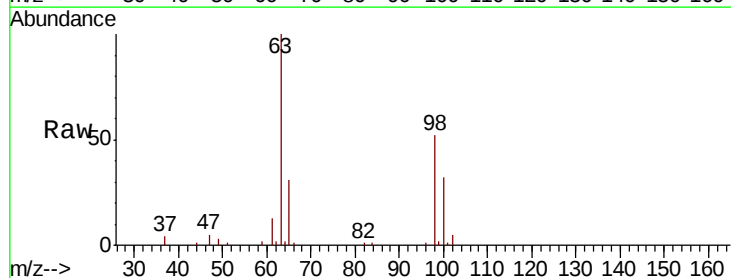
Instrument :
MSVOA_U
ClientSampleId :
H4425DL

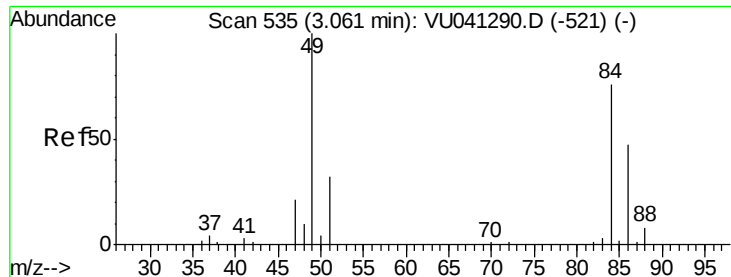
Tot Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#12
1,1-Dichloroethene
Concen: 0.090 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041300.D
Acq: 18 Nov 2020 01:01

Tgt Ion: 96 Resp: 386
Ion Ratio Lower Upper
96 100
61 960.1 134.3 249.5#
63 7432.4 95.0 176.4#

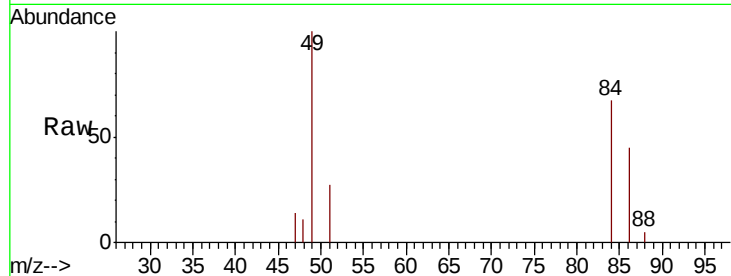




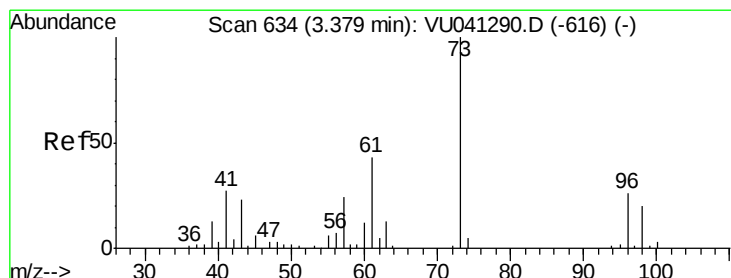
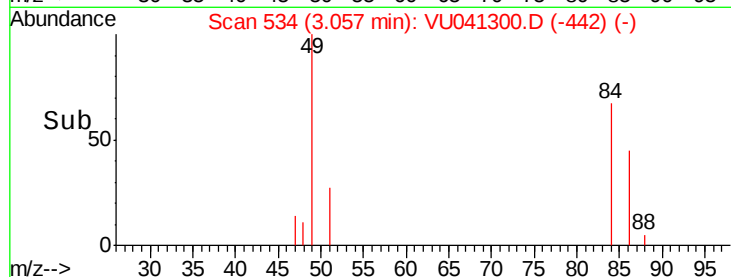
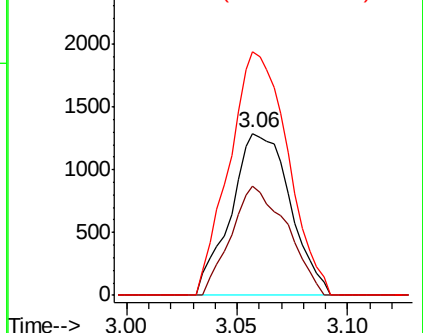
#16
Methylene chloride
Concen: 0.450 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041300.D
Acq: 18 Nov 2020 01:01

Instrument :
MSVOA_U
ClientSampleId :
H4425DL

Tot Ion: 84 Resp: 2410
Ion Ratio Lower Upper
84 100
86 66.9 42.8 79.6
49 150.0 99.5 184.7

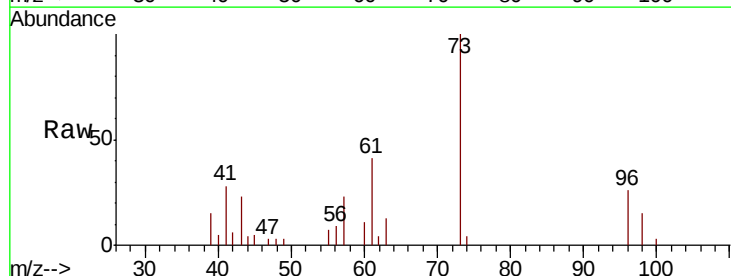


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

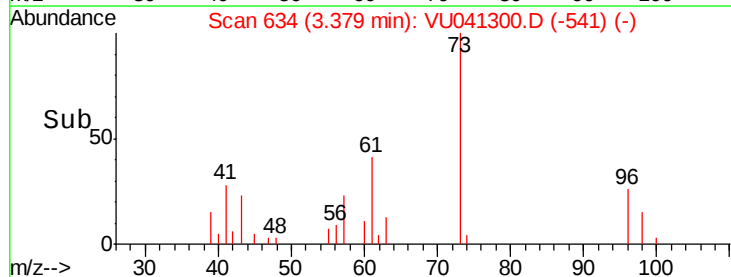
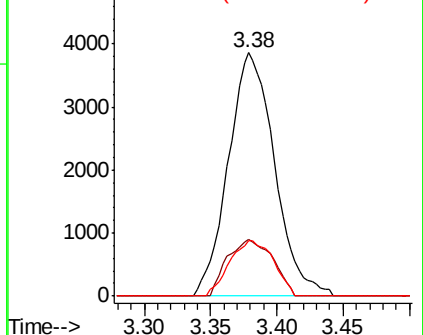


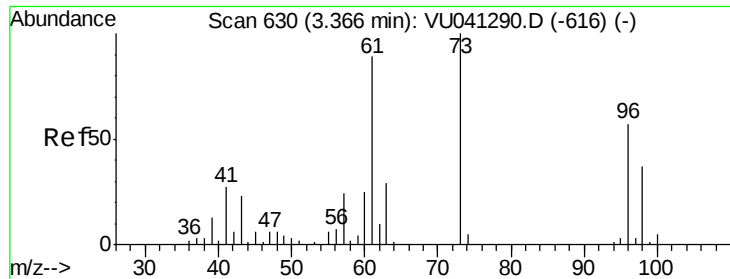
#17
Methyl tert-butyl Ether
Concen: 0.801 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041300.D
Acq: 18 Nov 2020 01:01

Tgt Ion: 73 Resp: 9370
Ion Ratio Lower Upper
73 100
43 22.8 18.5 27.7
57 21.6 18.4 27.6



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





#18

trans-1,2-Dichloroethene

Concen: 0.653 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041300.D

Acq: 18 Nov 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

H4425DL

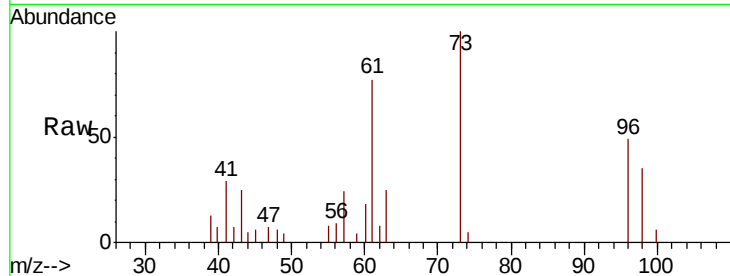
Tot Ion: 96 Resp: 2716

Ion Ratio Lower Upper

96 100

61 157.6 110.9 205.9

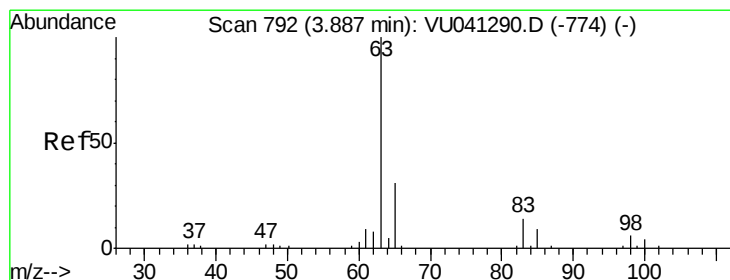
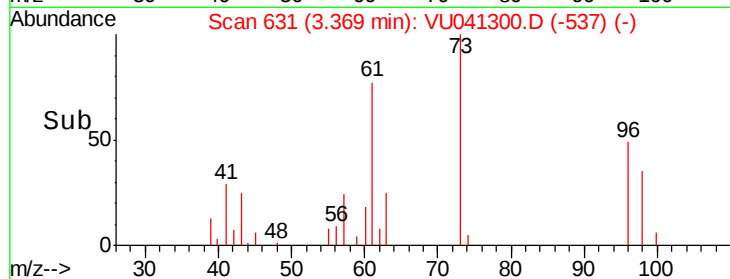
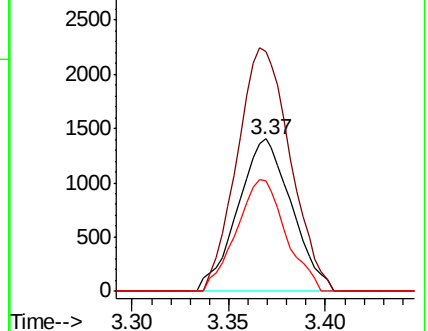
98 72.4 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041290.D (-616) (-)

Ion 61.05 (60.75 to 61.75): VU041290.D (-616) (-)

Ion 97.95 (97.65 to 98.65): VU041290.D (-616) (-)



#19

1,1-Dichloroethane

Concen: 0.100 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041300.D

Acq: 18 Nov 2020 01:01

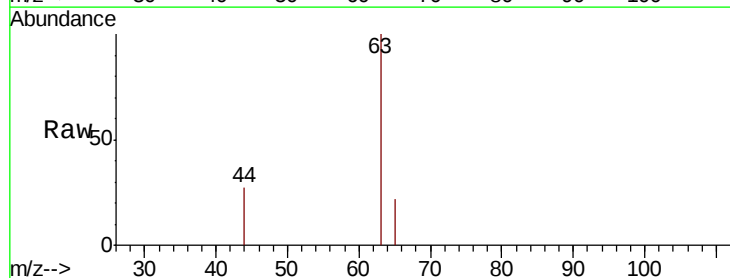
Tgt Ion: 63 Resp: 929

Ion Ratio Lower Upper

63 100

65 22.4 21.3 39.6

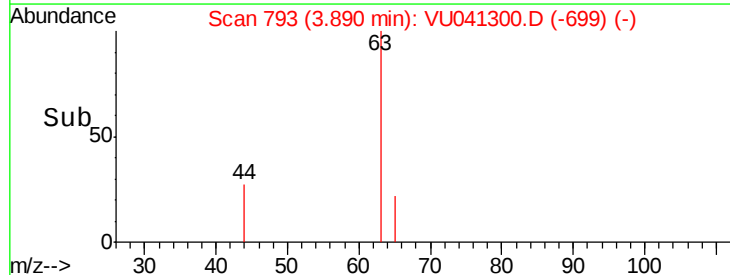
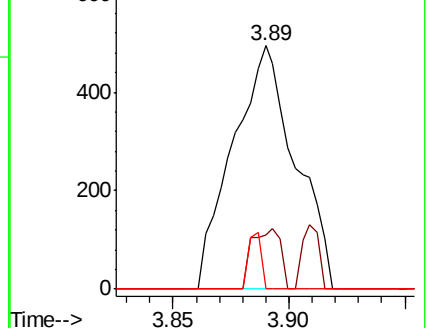
83 0.0 8.8 16.3#

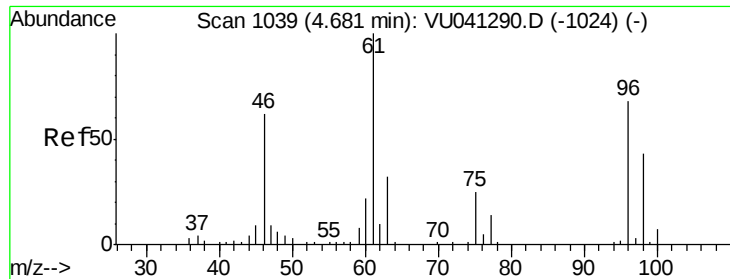


Abundance Ion 63.10 (62.80 to 63.80): VU041290.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU041290.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU041290.D (-774) (-)





#22

cis-1,2-Dichloroethene

Concen: 8.383 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041300.D

Acq: 18 Nov 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

H4425DL

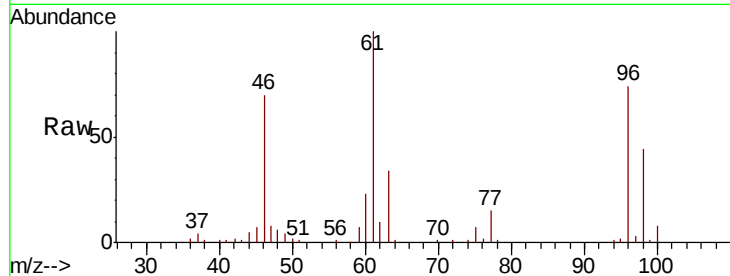
Tot Ion: 96 Resp: 39401

Ion Ratio Lower Upper

96 100

61 135.1 97.2 180.4

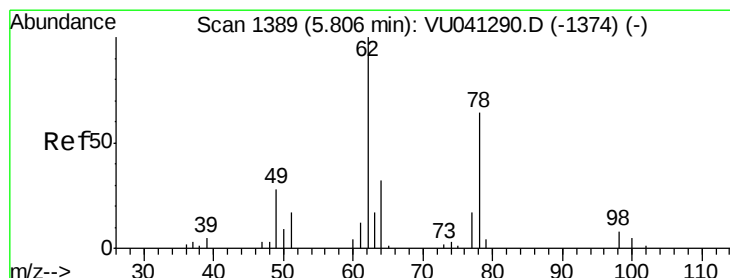
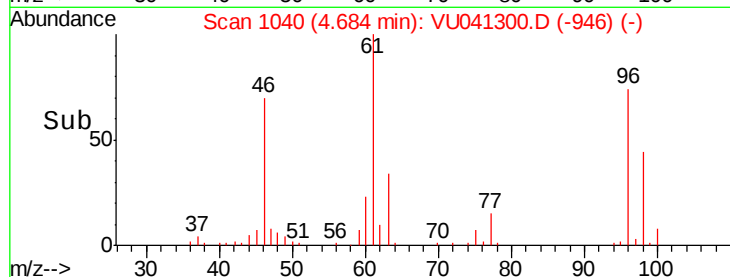
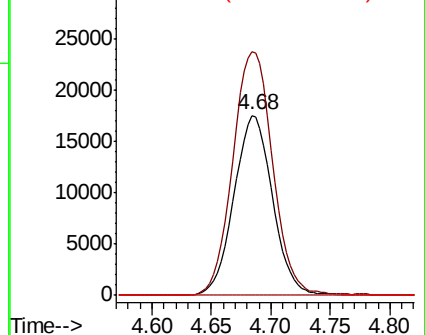
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041300.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041300.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041300.D (-946) (-)



#27

1,2-Dichloroethane

Concen: 0.067 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.06 min

Lab File: VU041300.D

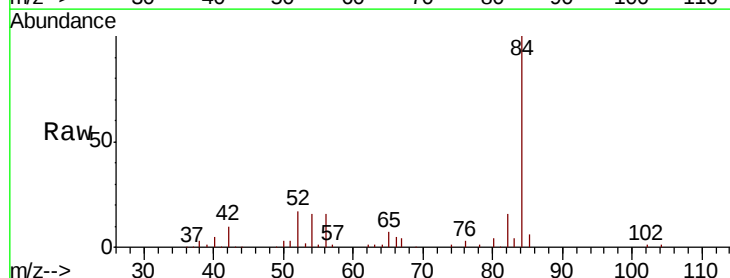
Acq: 18 Nov 2020 01:01

Tgt Ion: 62 Resp: 484

Ion Ratio Lower Upper

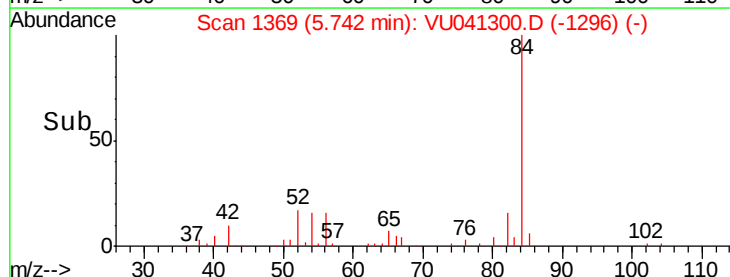
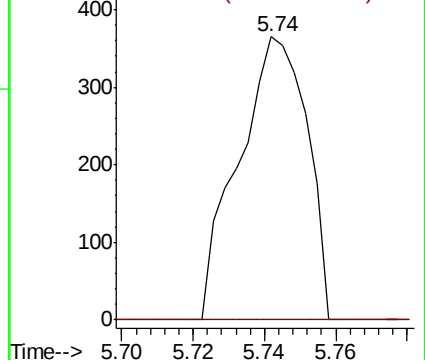
62 100

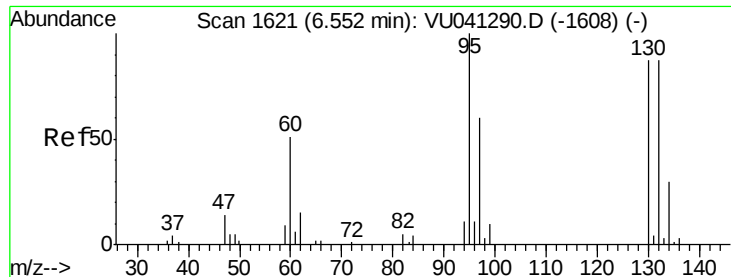
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041300.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU041300.D (-1296) (-)





#34

Trichloroethene

Concen: 4.489 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041300.D

Acq: 18 Nov 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

H4425DL

Tot Ion: 95 Resp: 22657

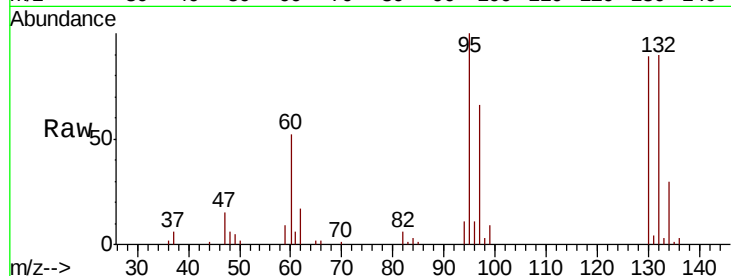
Ion Ratio Lower Upper

95 100

97 66.2 45.6 84.6

132 90.4 64.8 120.4

130 89.0 64.8 120.4

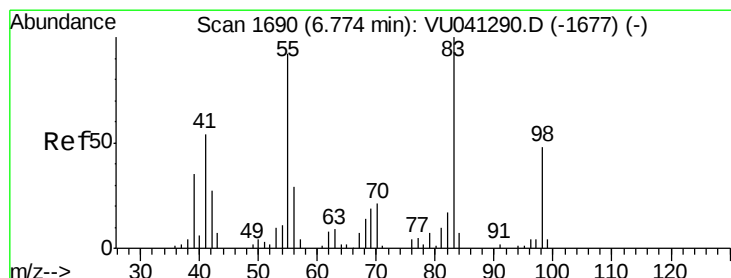
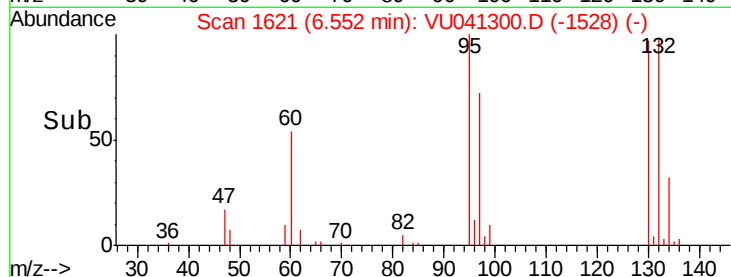
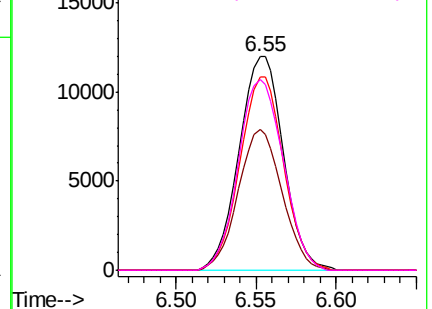


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 1.102 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041300.D

Acq: 18 Nov 2020 01:01

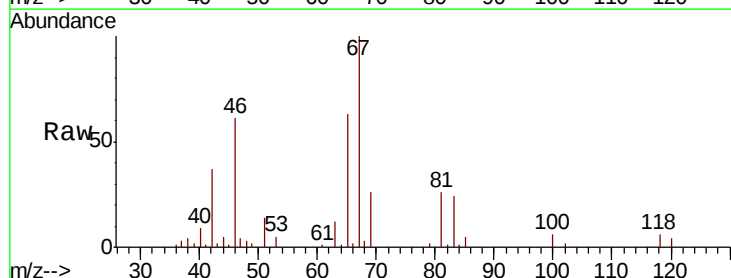
Tgt Ion: 83 Resp: 7391

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

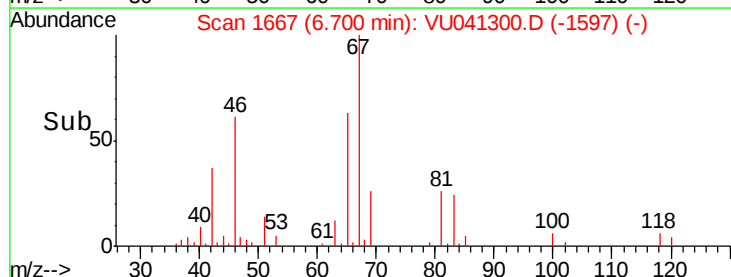
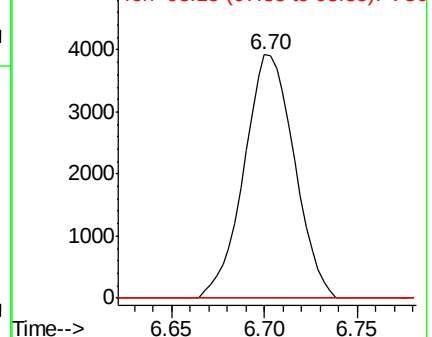
98 10.0 36.6 55.0#

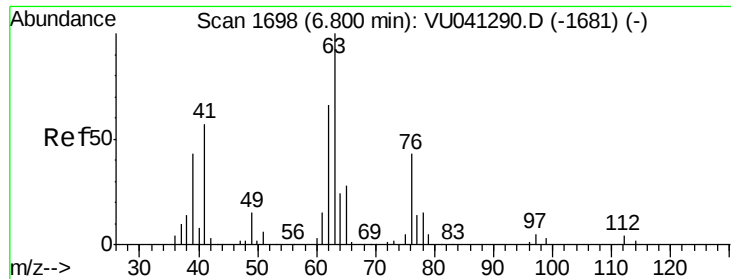


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

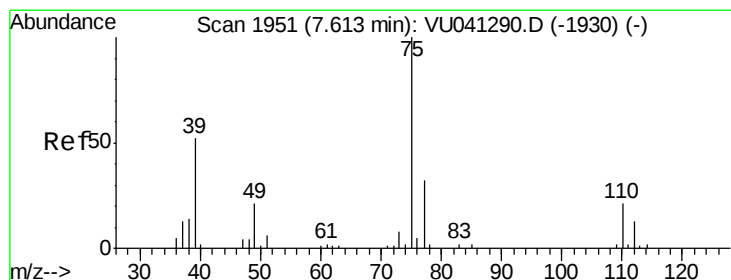
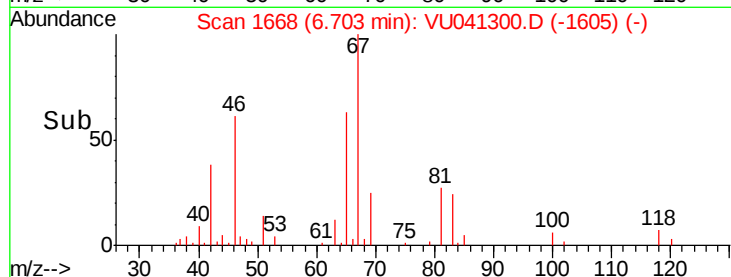
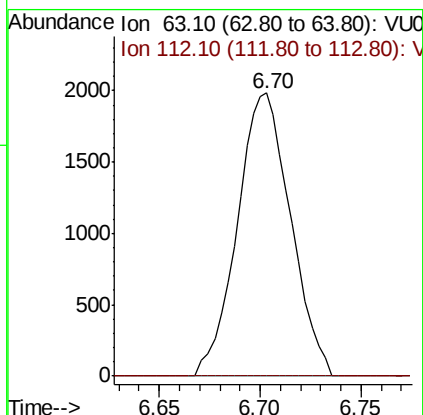
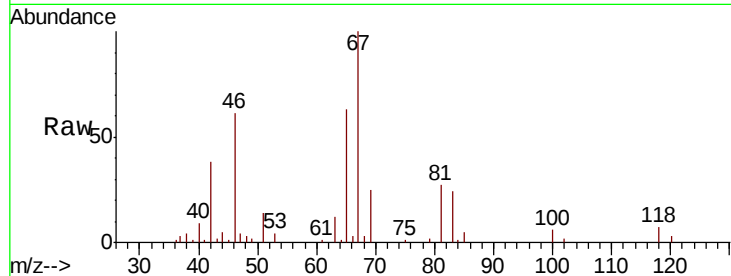




#37
 1,2-Dichloropropane
 Concen: 0.670 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041300.D
 Acq: 18 Nov 2020 01:01

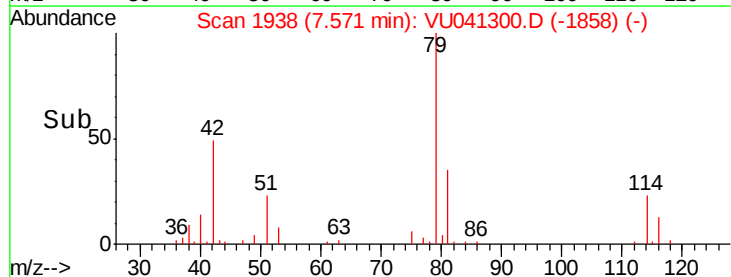
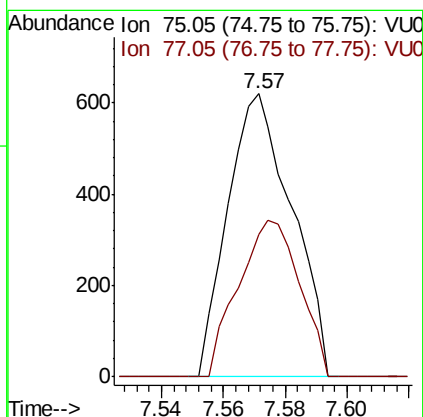
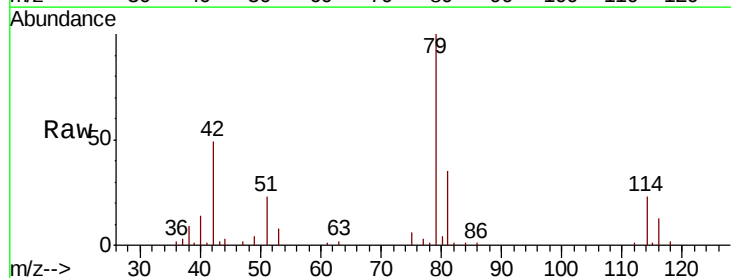
Instrument :
 MSVOA_U
 ClientSampleId :
 H4425DL

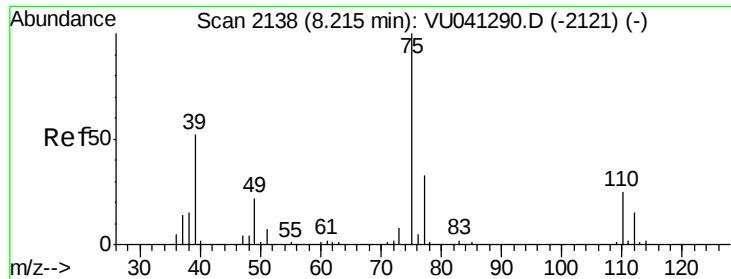
Tot Ion: 63 Resp: 3659
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041300.D
 Acq: 18 Nov 2020 01:01

Tgt Ion: 75 Resp: 892
 Ion Ratio Lower Upper
 75 100
 77 50.3 22.7 42.3#

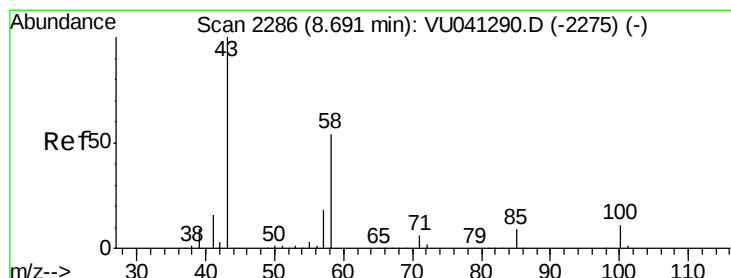
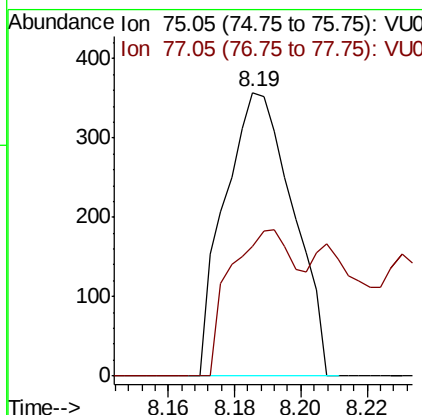
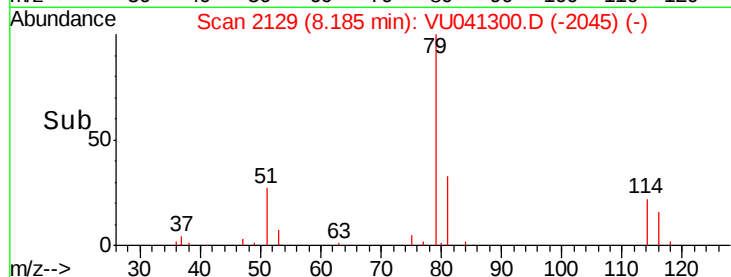
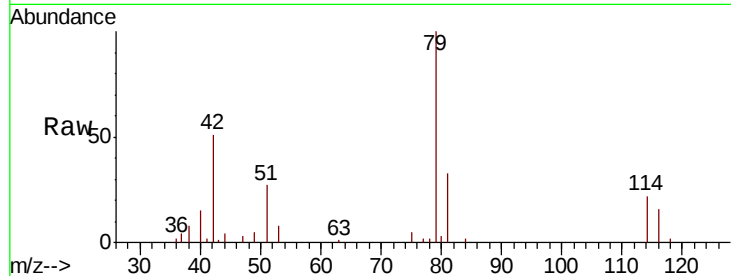




#44
trans-1,3-Dichloropropene
Concen: 0.071 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041300.D
Acq: 18 Nov 2020 01:01

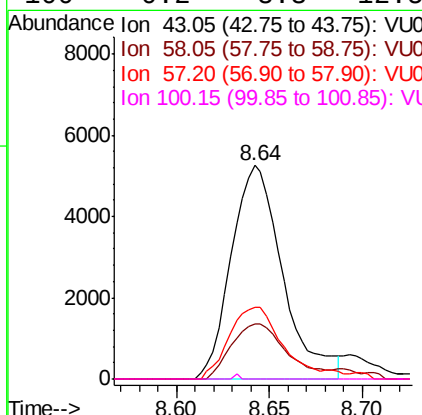
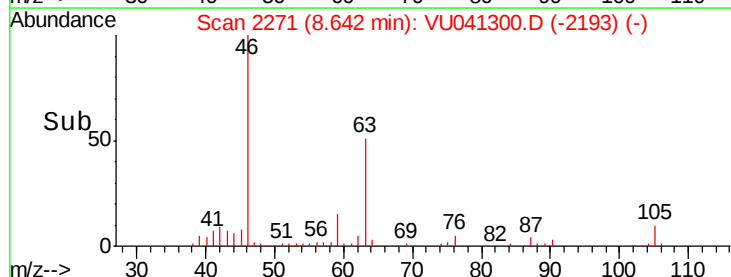
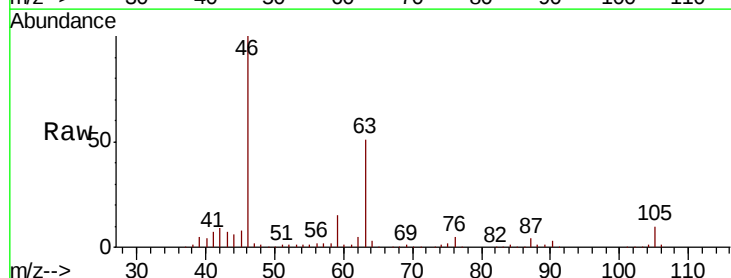
Instrument :
MSVOA_U
ClientSampleId :
H4425DL

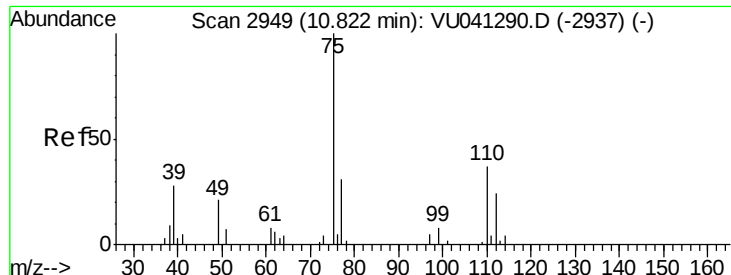
Tot Ion: 75 Resp: 512
Ion Ratio Lower Upper
75 100
77 45.9 23.3 43.3#



#48
2-Hexanone
Concen: 3.008 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041300.D
Acq: 18 Nov 2020 01:01

Tgt Ion: 43 Resp: 10143
Ion Ratio Lower Upper
43 100
58 27.6 41.4 62.2#
57 35.7 14.6 21.8#
100 0.2 8.3 12.5#





#59

1,2,3-Trichloropropane

Concen: 0.752 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041300.D

Acq: 18 Nov 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

H4425DL

Tot Ion: 75 Resp: 3237

Ion Ratio Lower Upper

75 100

77 39.7 25.7 38.5#

