

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112420\
 Data File : VU041419.D
 Acq On : 24 Nov 2020 15:44
 Operator : SY/MD
 Sample : L4849-12DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4404DL

Quant Time: Nov 25 07:40:04 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	61575	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63210	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28276	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18983	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.92	69	14307	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.58	63	29866	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.65	46	73042	66.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.50%#
24) Chloroform-d	5.08	84	44257	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.72	65	29225	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.80%
32) Benzene-d6	5.74	84	75182	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.70	67	20367	4.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.80%
41) Toluene-d8	7.91	98	59343	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	8.19	79	10660	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	39197	53.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20232	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	26051	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	251	0.050 ug/L #	43
5) Vinyl chloride	1.61	62	35551	6.607 ug/L	84
8) Chloroethane	1.98	64	434	0.142 ug/L #	47
13) Acetone	2.66	43	529	0.710 ug/L #	46
16) Methylene chloride	3.06	84	1451	0.268 ug/L	87
17) Methyl tert-butyl Ether	3.38	73	3190	0.338 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	660	0.161 ug/L #	78
19) 1,1-Dichloroethane	3.89	63	798	0.098 ug/L #	88
21) 2-Butanone	4.83	43	51870	43.829 ug/L #	50
22) cis-1,2-Dichloroethene	4.68	96	8966	2.050 ug/L	97
25) Chloroform	5.11	83	626	0.070 ug/L	90
27) 1,2-Dichloroethane	5.74	62	423	0.072 ug/L #	78
33) Benzene	5.79	78	907	0.053 ug/L	100
35) Methylcyclohexane	6.70	83	5568	0.827 ug/L #	15
37) 1,2-Dichloropropane	6.70	63	2890	0.621 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	793	0.124 ug/L #	71
44) trans-1,3-Dichloropropene	8.19	75	513	0.088 ug/L #	44

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 25 07:37:29 2020
Response via : Initial Calibration

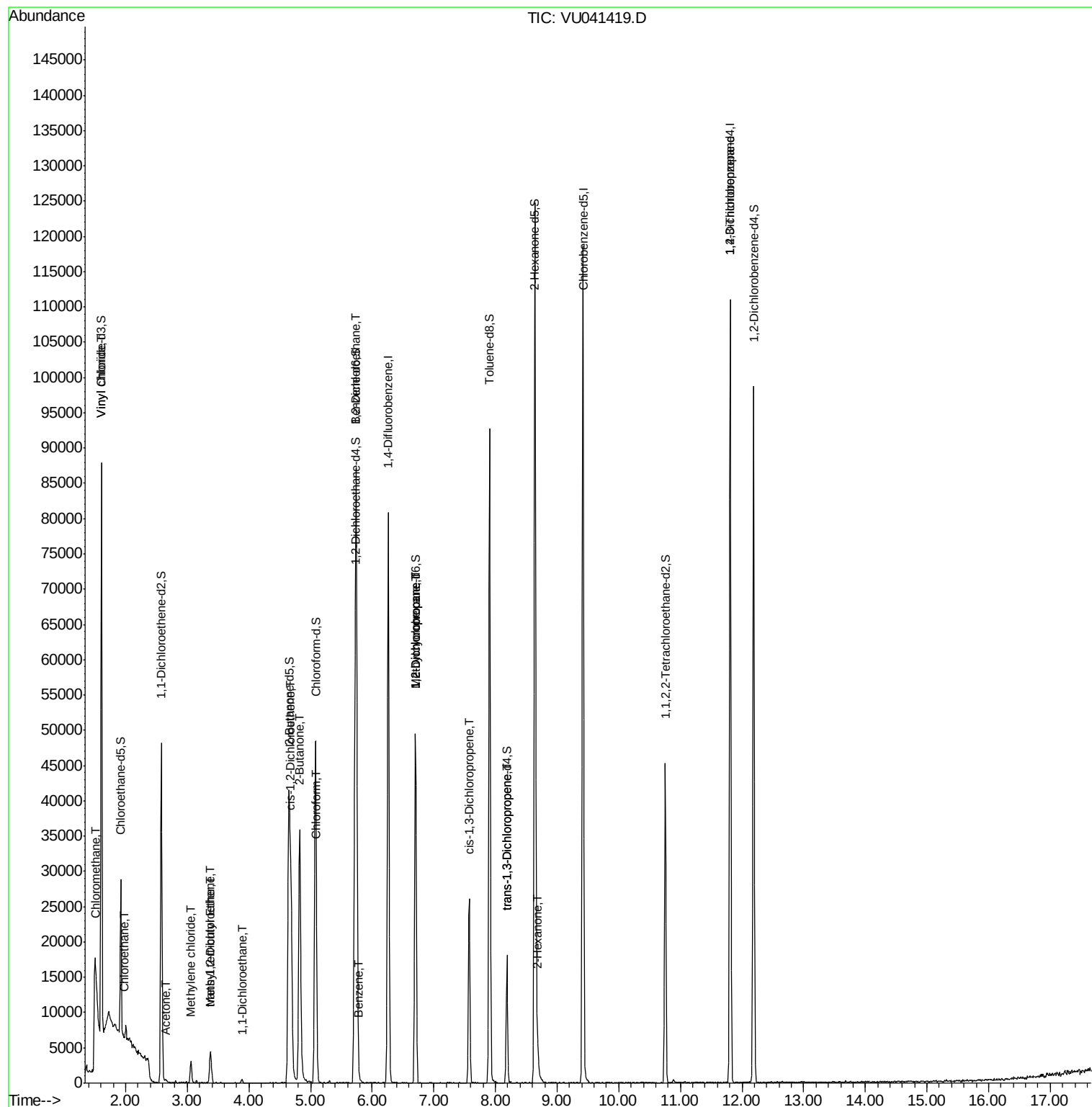
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.68	43	1195	0.571	ug/L #	45
59) 1,2,3-Trichloropropane	11.81	75	3170	1.043	ug/L #	85

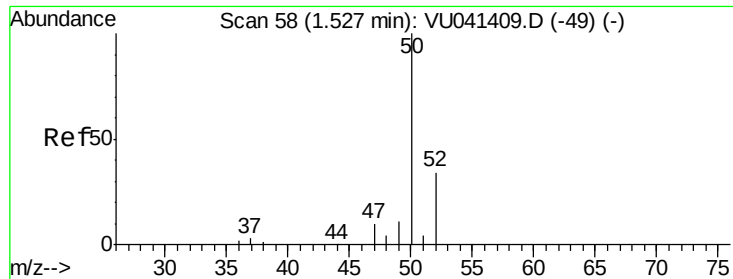
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 25 07:37:29 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.050 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.01 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

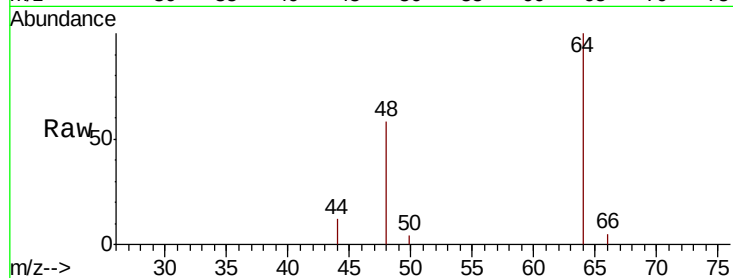
H4404DL

Tot Ion: 50 Resp: 251

Ion Ratio Lower Upper

50 100

52 0.0 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.52

400

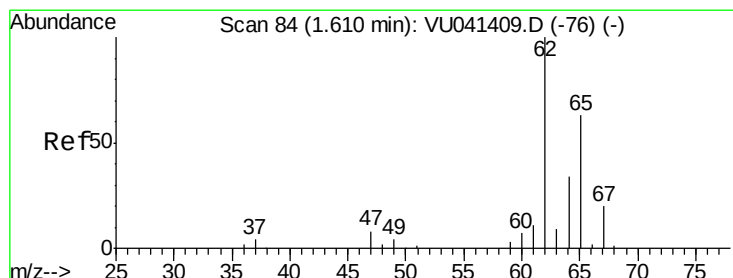
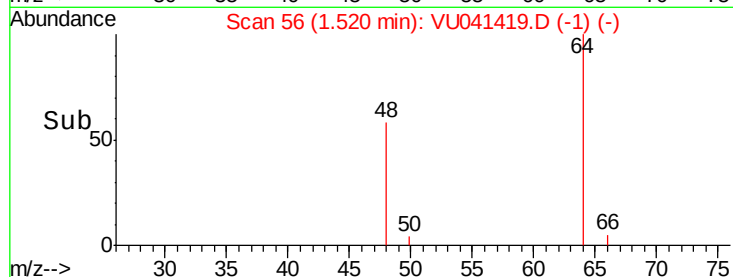
300

200

100

0

Time-->



#5

Vinyl chloride

Concen: 6.607 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041419.D

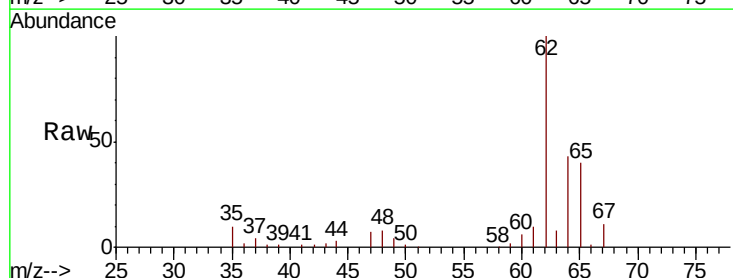
Acq: 24 Nov 2020 15:44

Tgt Ion: 62 Resp: 35551

Ion Ratio Lower Upper

62 100

64 43.3 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

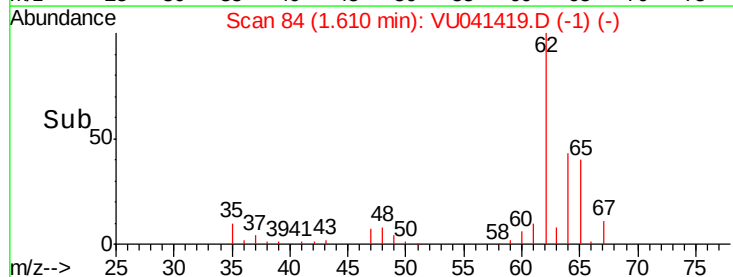
30000

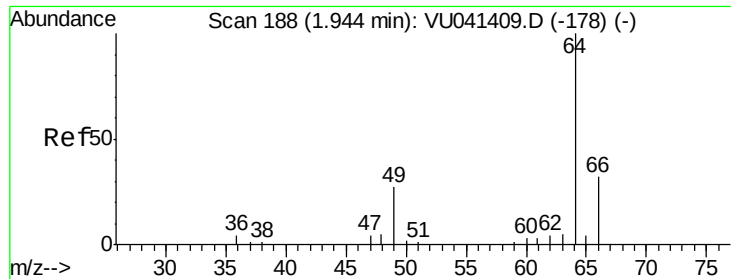
20000

10000

0

Time-->





#8

Chloroethane

Concen: 0.142 ug/L

RT: 1.98 min Scan# 198

Delta R.T. 0.03 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

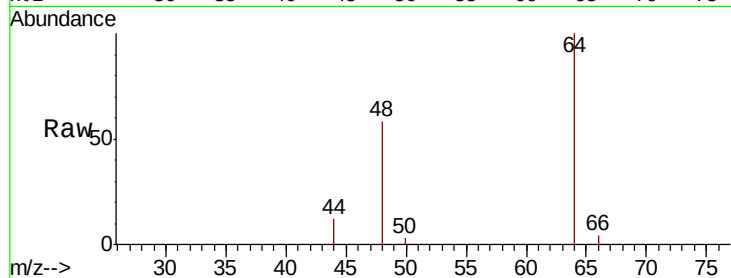
H4404DL

Tot Ion: 64 Resp: 434

Ion Ratio Lower Upper

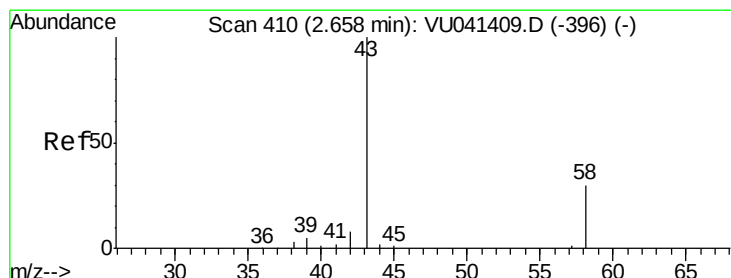
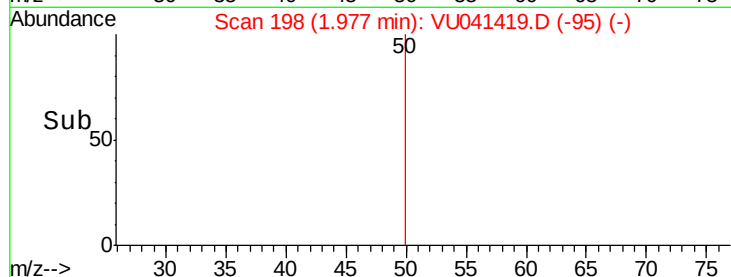
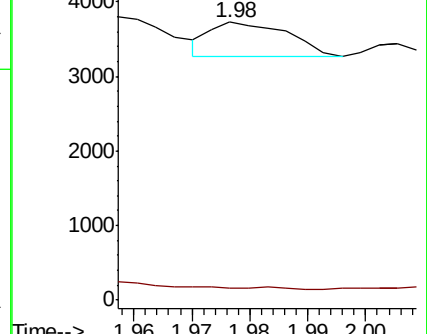
64 100

66 4.2 24.6 45.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#13

Acetone

Concen: 0.710 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041419.D

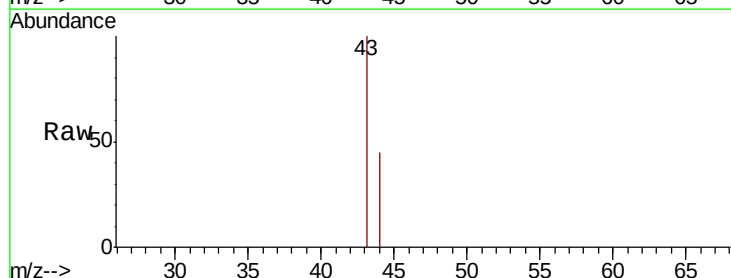
Acq: 24 Nov 2020 15:44

Tgt Ion: 43 Resp: 529

Ion Ratio Lower Upper

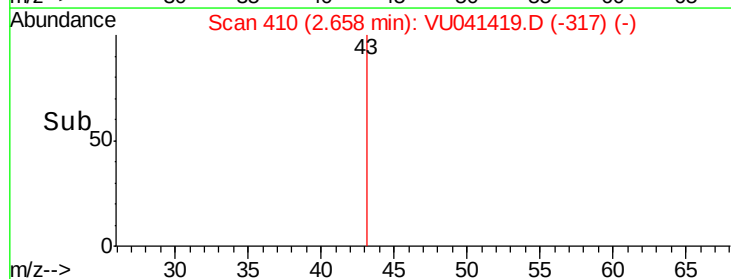
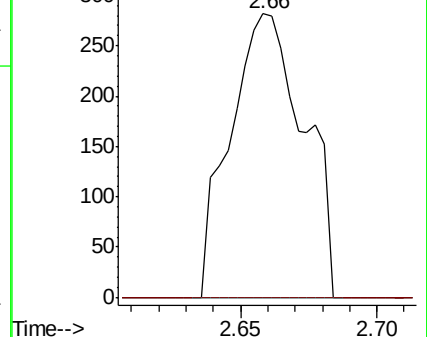
43 100

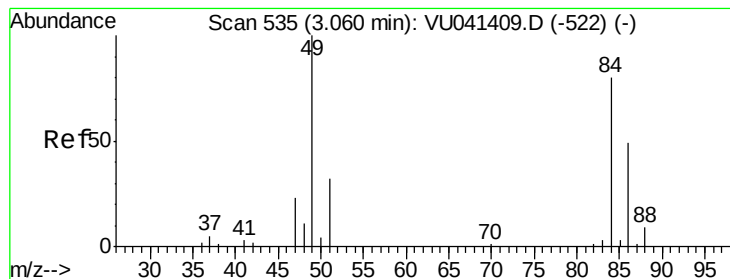
58 0.0 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#16

Methylene chloride

Concen: 0.268 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

H4404DL

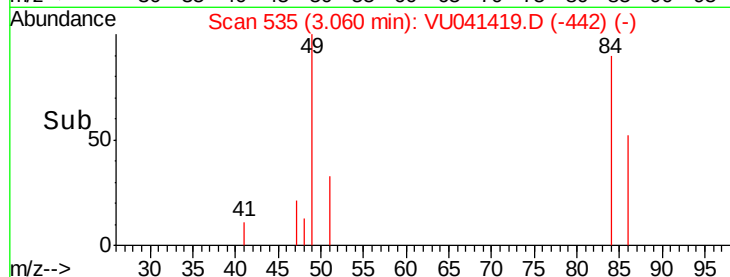
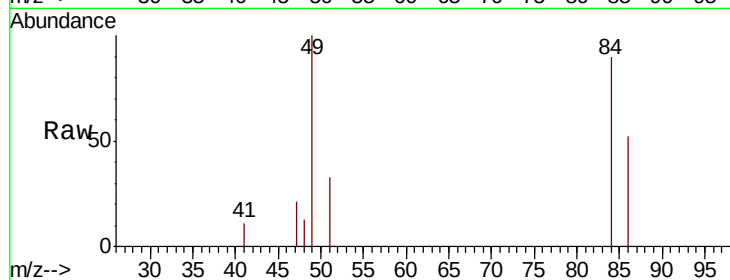
Tot Ion: 84 Resp: 1451

Ion Ratio Lower Upper

84 100

86 57.0 44.4 82.5

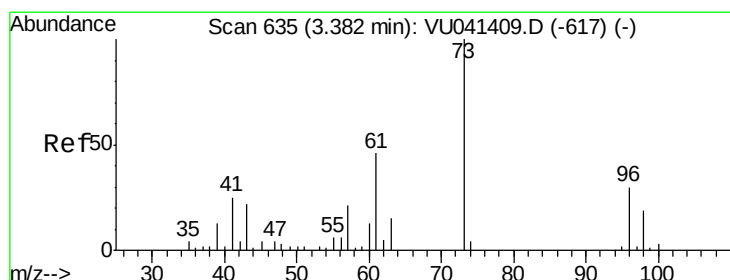
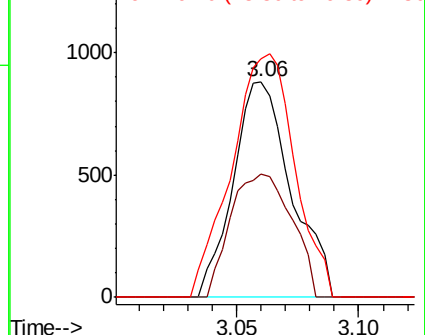
49 110.5 89.9 167.0



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: 0.338 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

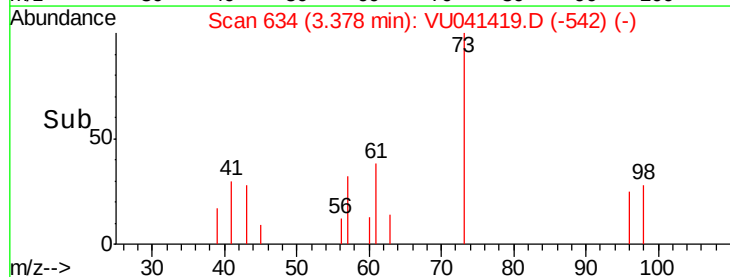
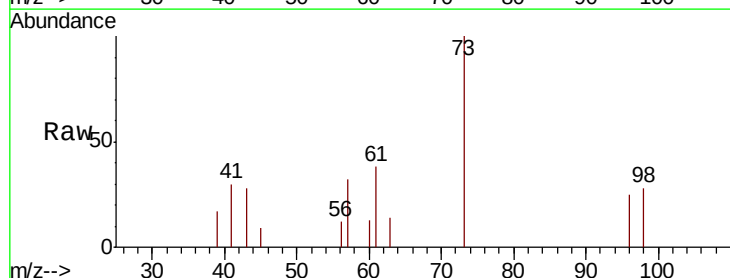
Tgt Ion: 73 Resp: 3190

Ion Ratio Lower Upper

73 100

43 23.4 18.3 27.5

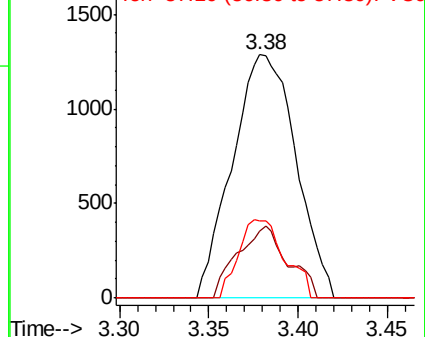
57 23.3 17.7 26.5

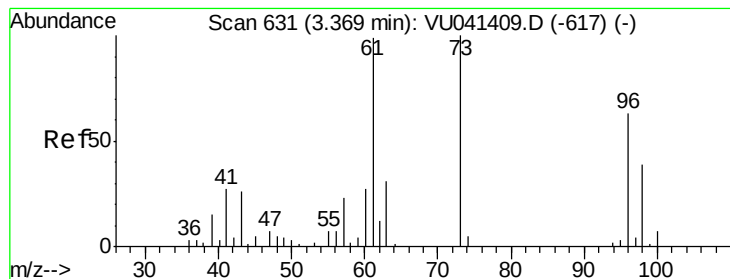


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.161 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

H4404DL

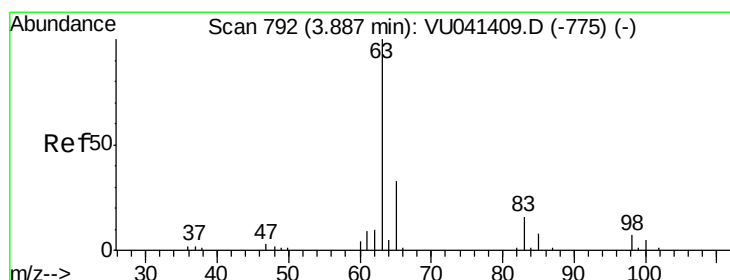
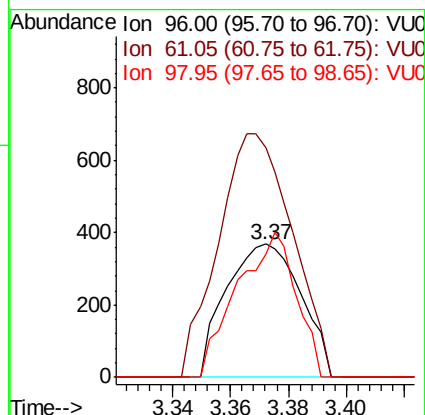
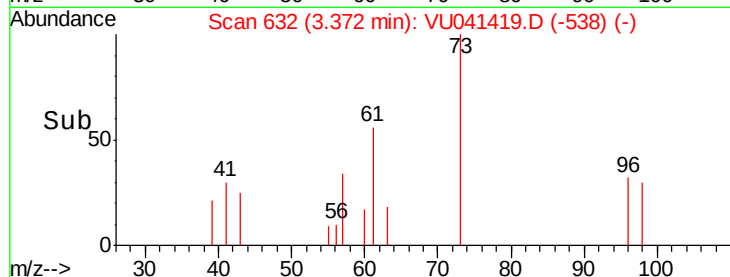
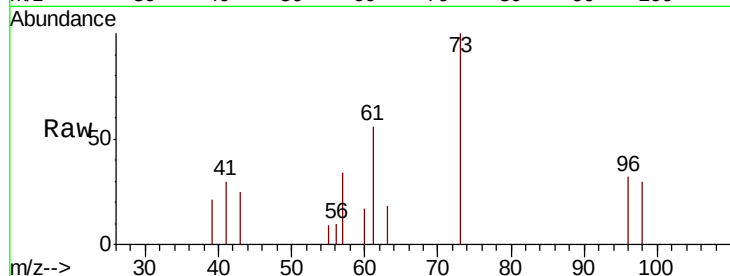
Tot Ion: 96 Resp: 660

Ion Ratio Lower Upper

96 100

61 171.5 103.7 192.5

98 92.7 47.5 88.3#



#19

1,1-Dichloroethane

Concen: 0.098 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

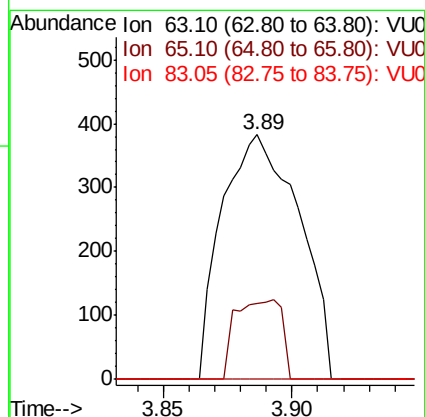
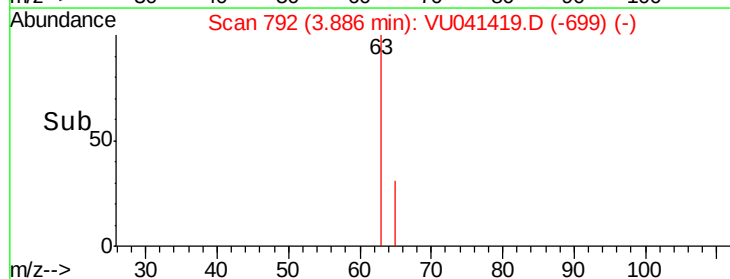
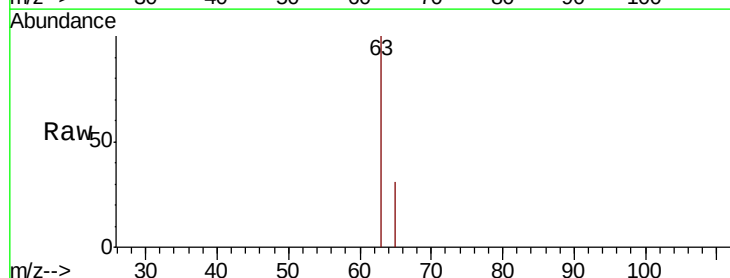
Tgt Ion: 63 Resp: 798

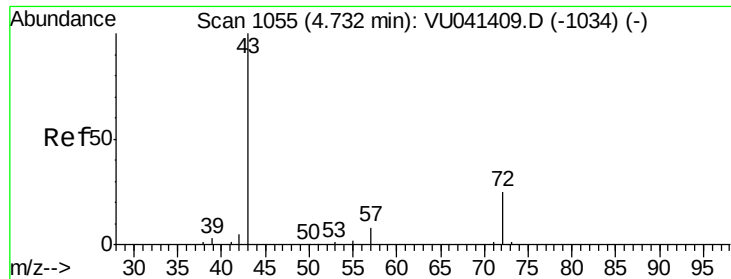
Ion Ratio Lower Upper

63 100

65 30.8 23.0 42.8

83 0.0 9.4 17.4#





#21

2-Butanone

Concen: 43.829 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

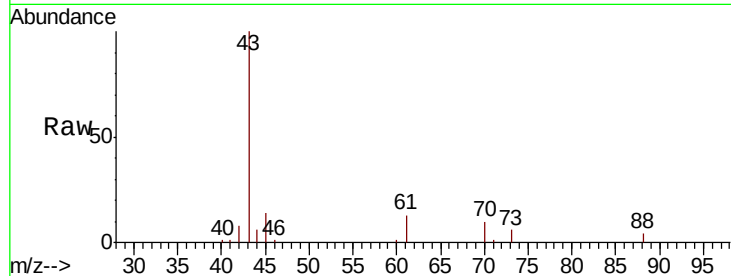
H4404DL

Tot Ion: 43 Resp: 51870

Ion Ratio Lower Upper

43 100

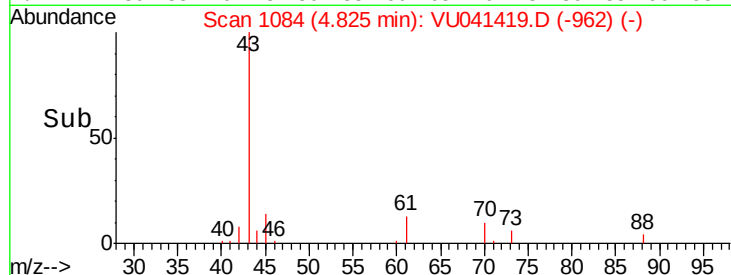
72 0.0 12.6 37.6#



Abundance Ion 43.05 (42.75 to 43.75): VU041419.D (-1084) (-)

Ion 72.10 (71.80 to 72.80): VU041419.D (-1084) (-)

Time-->

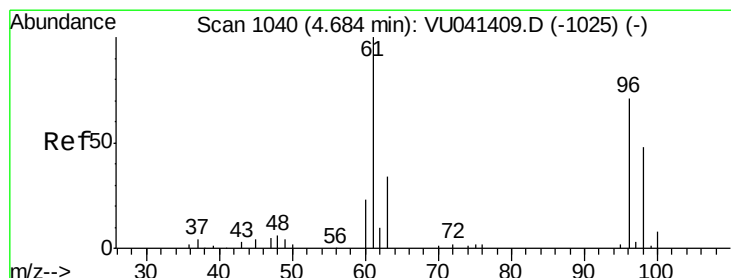


Abundance

Ion 43.05 (42.75 to 43.75): VU041419.D (-1084) (-)

Ion 72.10 (71.80 to 72.80): VU041419.D (-1084) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 2.050 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

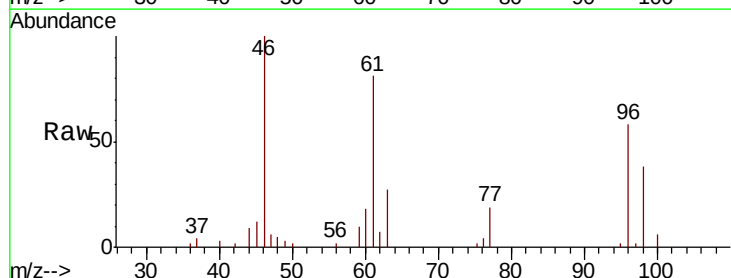
Tgt Ion: 96 Resp: 8966

Ion Ratio Lower Upper

96 100

61 139.5 95.3 176.9

68 0.0 0.0 0.0

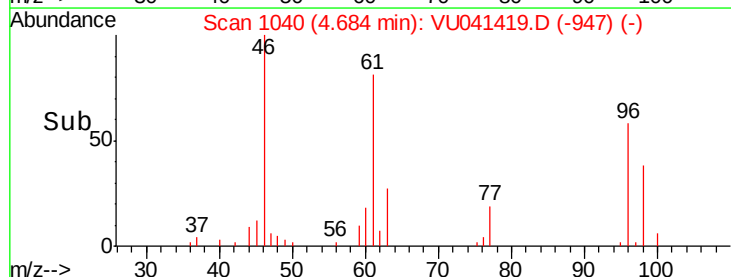


Abundance Ion 96.00 (95.70 to 96.70): VU041419.D (-1040) (-)

Ion 61.05 (60.75 to 61.75): VU041419.D (-1040) (-)

Ion 68.15 (67.85 to 68.85): VU041419.D (-1040) (-)

Time-->



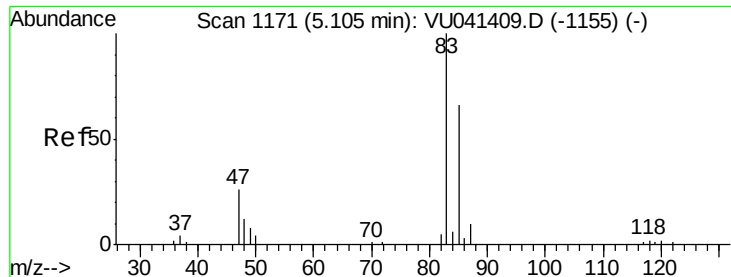
Abundance

Ion 96.00 (95.70 to 96.70): VU041419.D (-1040) (-)

Ion 61.05 (60.75 to 61.75): VU041419.D (-1040) (-)

Ion 68.15 (67.85 to 68.85): VU041419.D (-1040) (-)

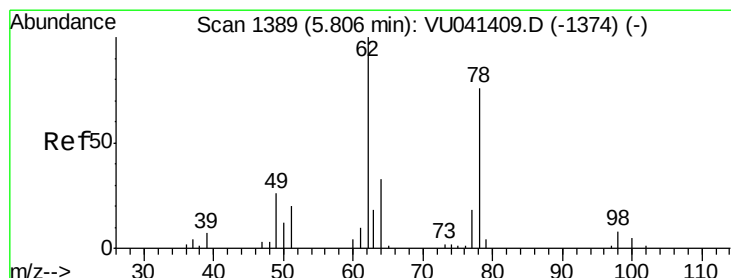
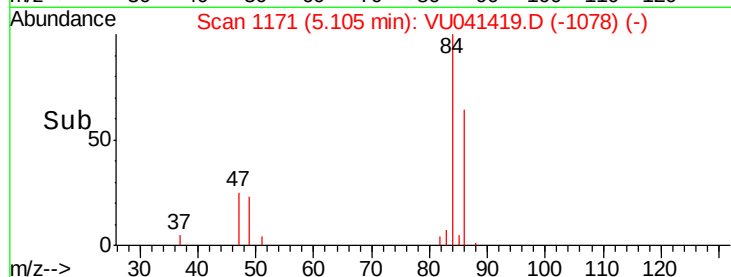
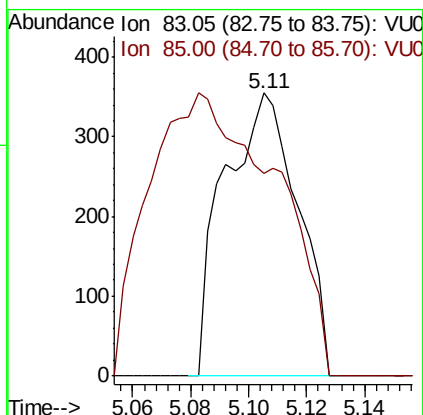
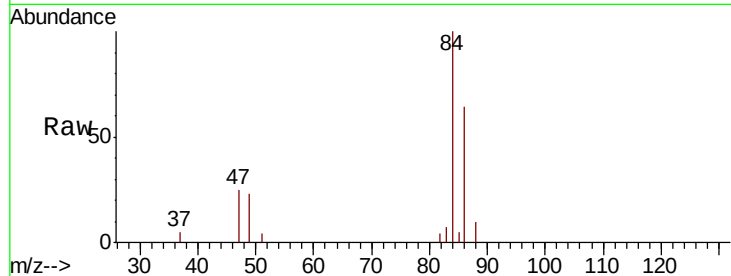
Time-->



#25
Chloroform
Concen: 0.070 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041419.D
Acq: 24 Nov 2020 15:44

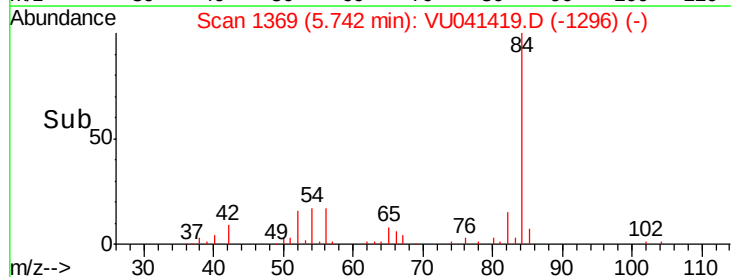
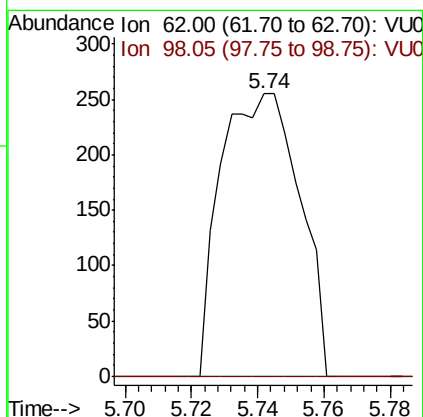
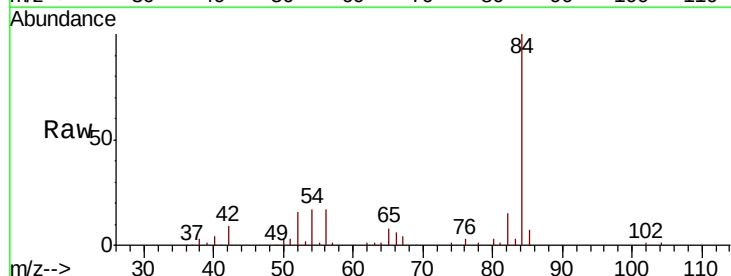
Instrument :
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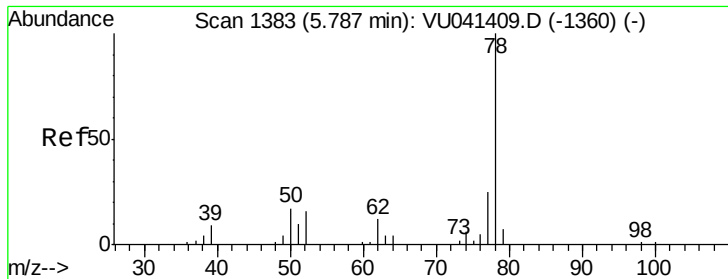
Tot Ion: 83 Resp: 626
Ion Ratio Lower Upper
83 100
85 71.5 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.072 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041419.D
Acq: 24 Nov 2020 15:44

Tgt Ion: 62 Resp: 423
Ion Ratio Lower Upper
62 100
98 0.0 6.0 9.0#

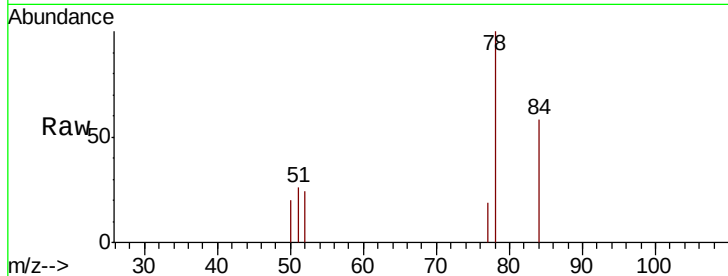




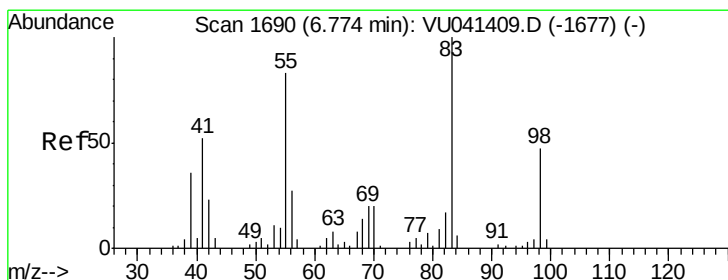
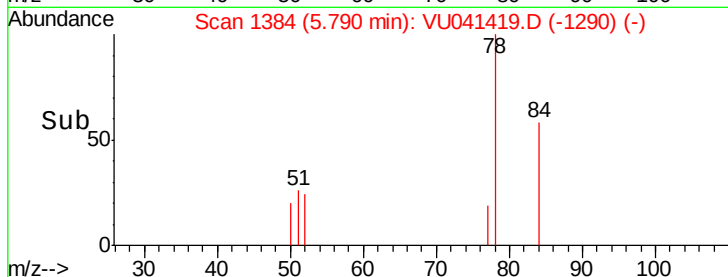
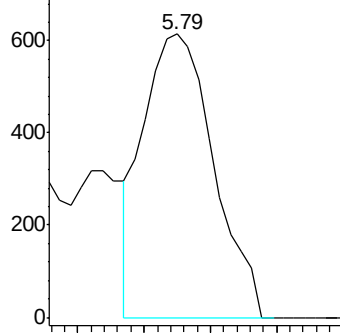
#33
Benzene
Concen: 0.053 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041419.D
Acq: 24 Nov 2020 15:44

Instrument :
MSVOA_U
ClientSampleID :
H4404DL

Tgt Ion: 78 Resp: 907

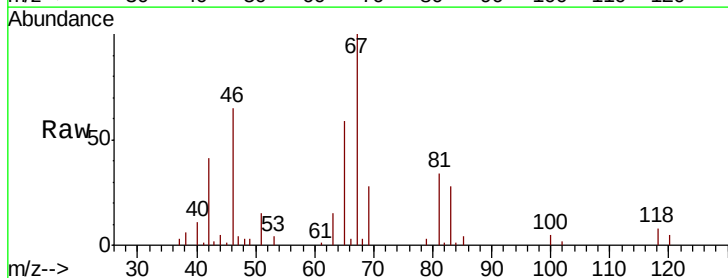


Abundance Ion 78.10 (77.80 to 78.80): VU0



#35
Methylcyclohexane
Concen: 0.827 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041419.D
Acq: 24 Nov 2020 15:44

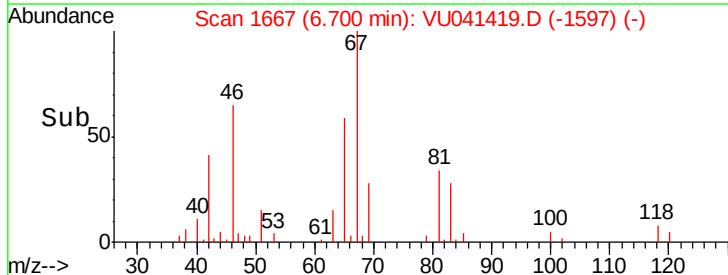
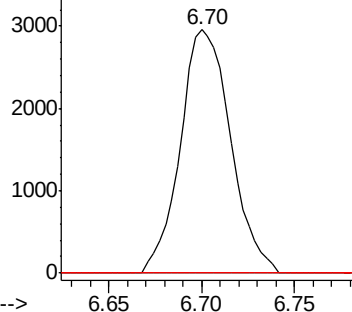
Tgt Ion: 83 Resp: 5568
Ion Ratio Lower Upper
83 100
55 0.0 68.4 102.6#
98 0.0 36.5 54.7#

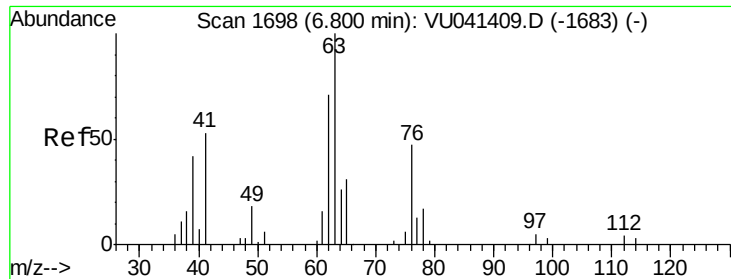


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

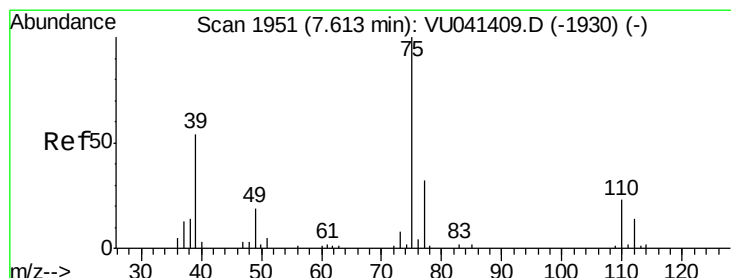
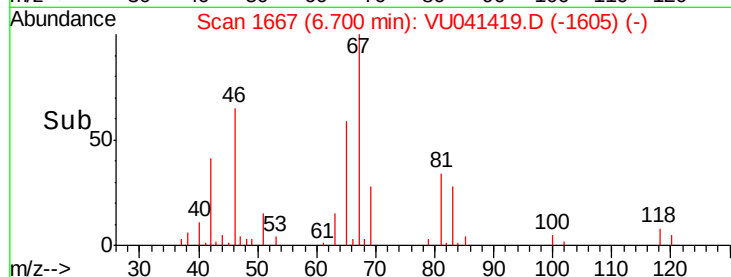
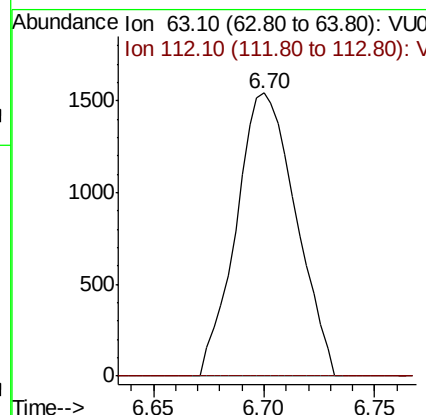
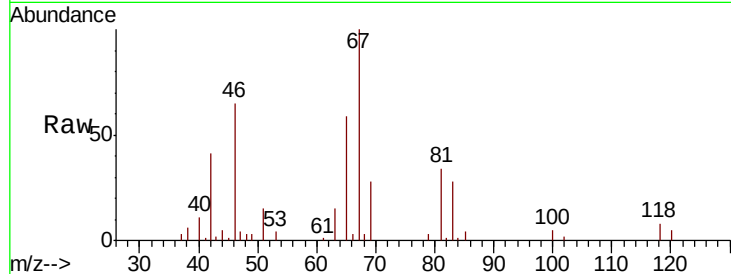




#37
 1,2-Dichloropropane
 Concen: 0.621 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041419.D
 Acq: 24 Nov 2020 15:44

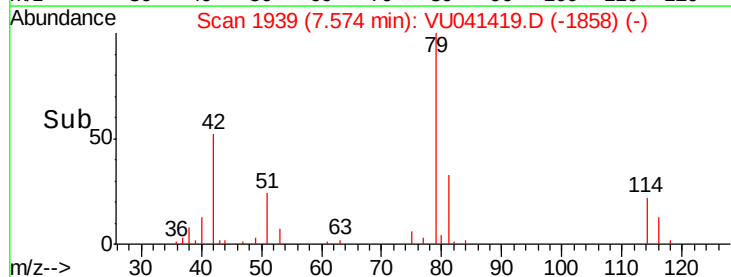
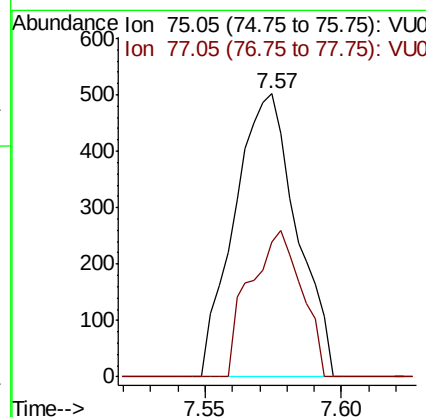
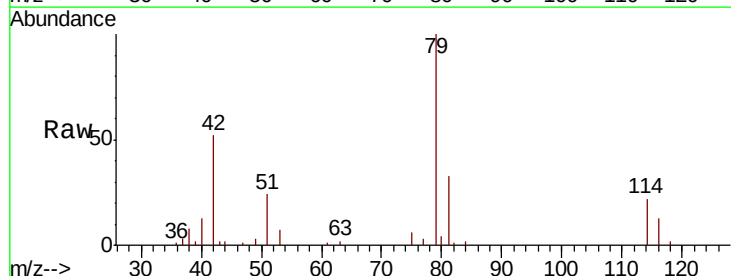
Instrument :
 MSVOA_U
 ClientSampleId :
 H4404DL

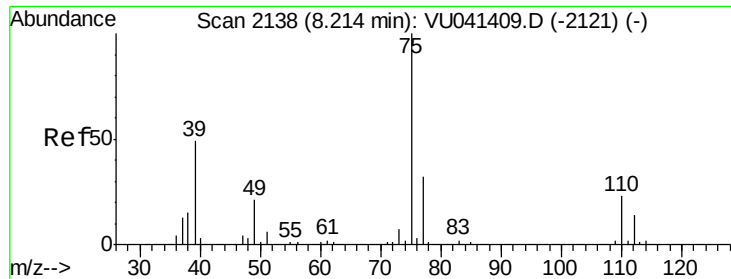
Tot Ion: 63 Resp: 2890
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 4.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.124 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041419.D
 Acq: 24 Nov 2020 15:44

Tgt Ion: 75 Resp: 793
 Ion Ratio Lower Upper
 75 100
 77 47.6 22.1 41.1#

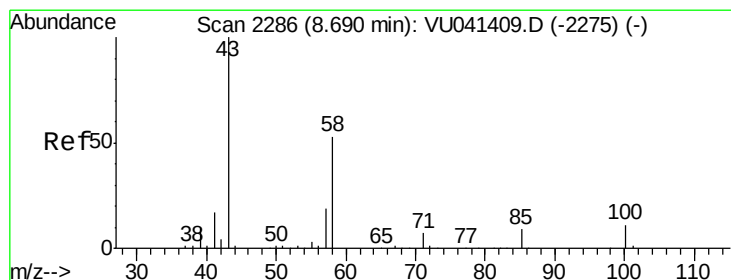
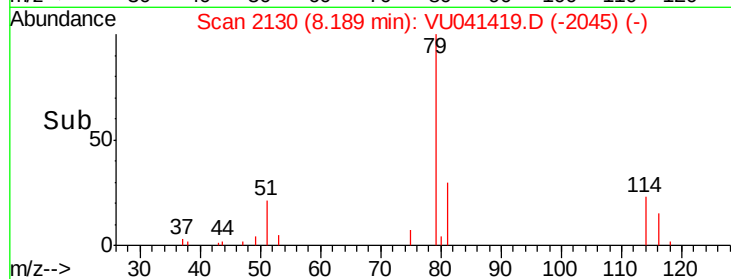
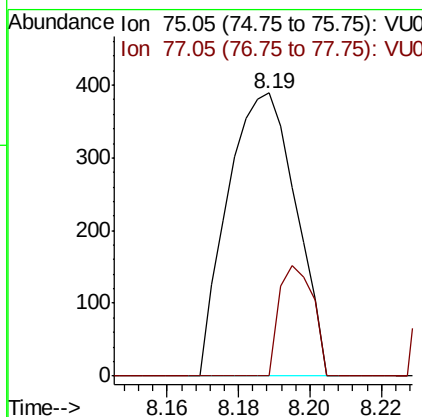
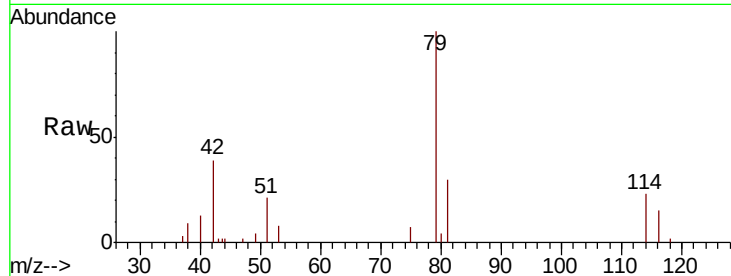




#44
trans-1,3-Dichloropropene
Concen: 0.088 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041419.D
Acq: 24 Nov 2020 15:44

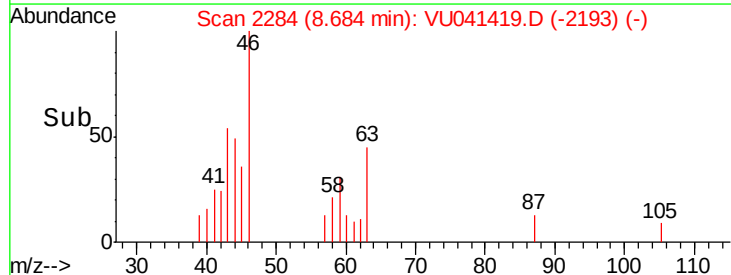
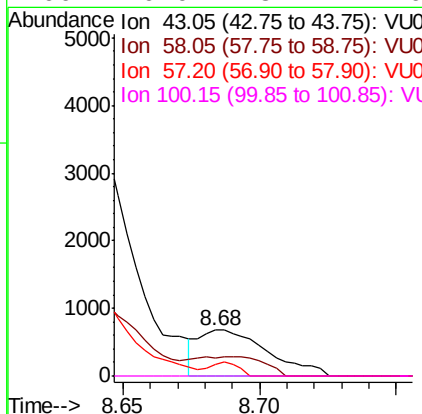
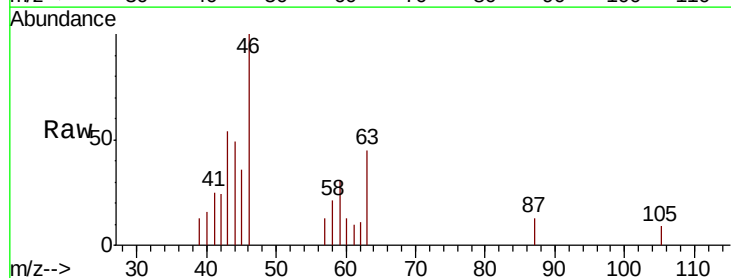
Instrument :
MSVOA_U
ClientSampleId :
H4404DL

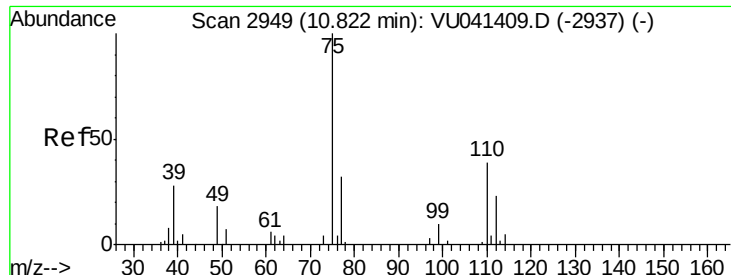
Tot Ion: 75 Resp: 513
Ion Ratio Lower Upper
75 100
77 0.0 21.7 40.3#



#48
2-Hexanone
Concen: 0.571 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.01 min
Lab File: VU041419.D
Acq: 24 Nov 2020 15:44

Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
58 0.0 42.0 63.0#
57 12.1 15.0 22.4#
100 0.0 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 1.043 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041419.D

Acq: 24 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

H4404DL

Tot Ion: 75 Resp: 3170

Ion Ratio Lower Upper

75 100

77 39.8 25.1 37.7#

