

Data File : VU041403.D
Acq On : 23 Nov 2020 21:26
Operator : SY/MD
Sample : L4849-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4423

Quant Time: Nov 24 01:56:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	66144	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68530	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29905	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21462	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.92	69	15798	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	36260	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.67	46	73367	61.95	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.90%
24) Chloroform-d	5.08	84	44483	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.72	65	28742	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.74	84	76499	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.70	67	26758	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	69210	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	11568	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	43362	54.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23201	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	26773	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.61	62	46402	8.028 ug/L	83
8) Chloroethane	1.94	64	1779	0.543 ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	269	0.058 ug/L #	44
12) 1,1-Dichloroethene	2.58	96	294	0.072 ug/L #	1
13) Acetone	2.67	43	626	0.782 ug/L	66
15) Methyl Acetate	3.05	43	1615	0.856 ug/L #	55
17) Methyl tert-butyl Ether	3.38	73	17472	1.723 ug/L #	88
18) trans-1,2-Dichloroethene	3.37	96	62041	14.045 ug/L	97
19) 1,1-Dichloroethane	3.89	63	19474	2.216 ug/L	95
21) 2-Butanone	4.83	43	9503	7.475 ug/L #	50
22) cis-1,2-Dichloroethene	4.68	96	2999	0.638 ug/L	83
27) 1,2-Dichloroethane	5.80	62	237	0.038 ug/L #	78
30) Cyclohexane	5.40	56	818	0.112 ug/L #	81
33) Benzene	5.79	78	15388	0.837 ug/L	100
35) Methylcyclohexane	6.70	83	6675	0.914 ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3191	0.633 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	797	0.114 ug/L #	58

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112320\
Quantitation Report (Not Reviewed)

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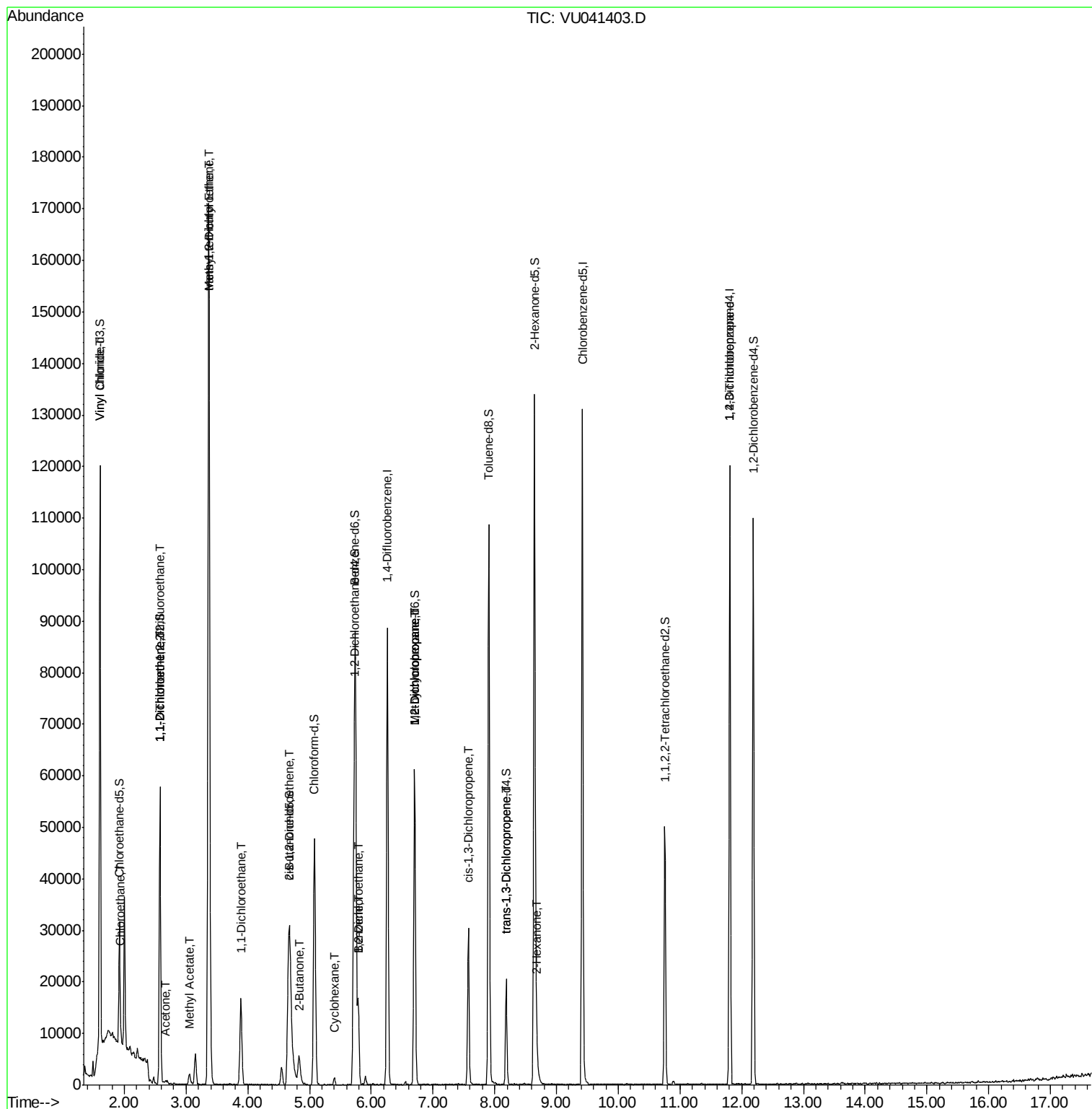
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.18	75	521	0.082	ug/L #	76
48) 2-Hexanone	8.69	43	1513	0.666	ug/L #	84
59) 1,2,3-Trichloropropane	11.81	75	3759	1.141	ug/L	89

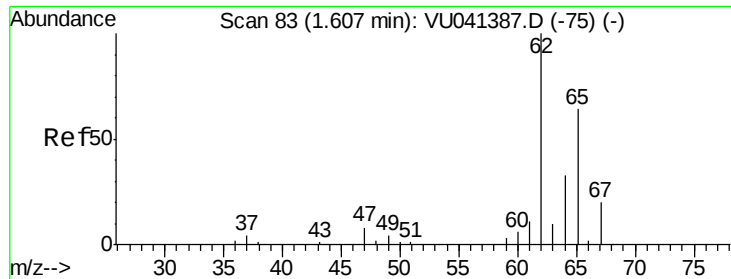
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.028 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

Instrument :

MSVOA_U

ClientSampleId :

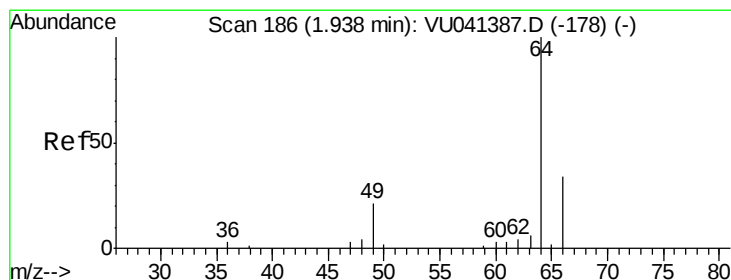
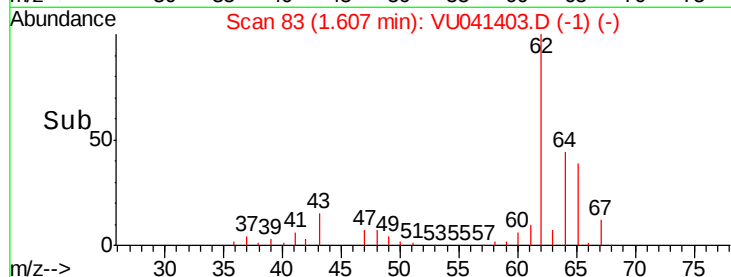
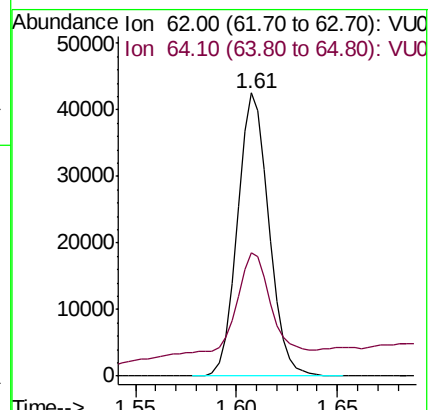
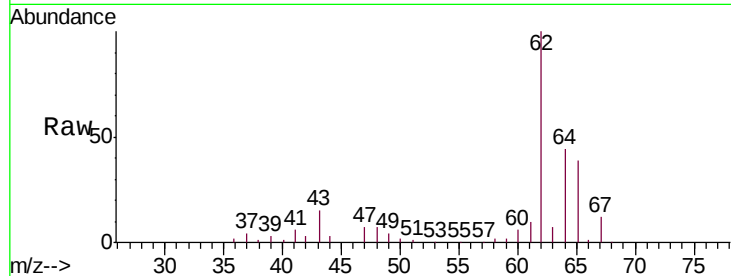
H4423

Tgt Ion: 62 Resp: 46402

Ion Ratio Lower Upper

62 100

64 43.7 23.8 44.2



#8

Chloroethane

Concen: 0.543 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041403.D

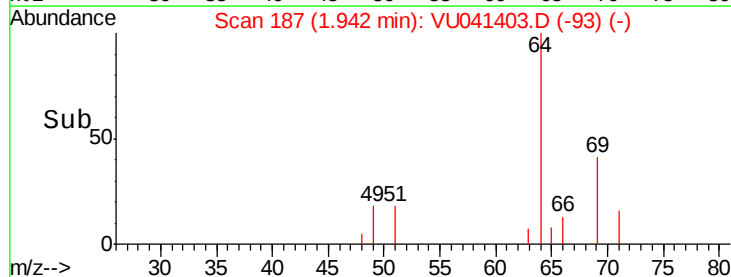
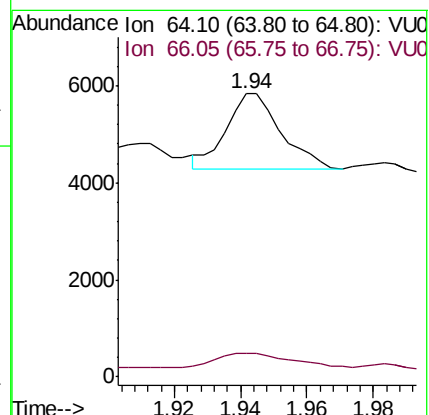
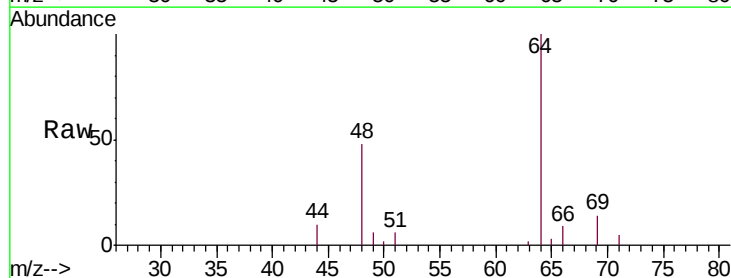
Acq: 23 Nov 2020 21:26

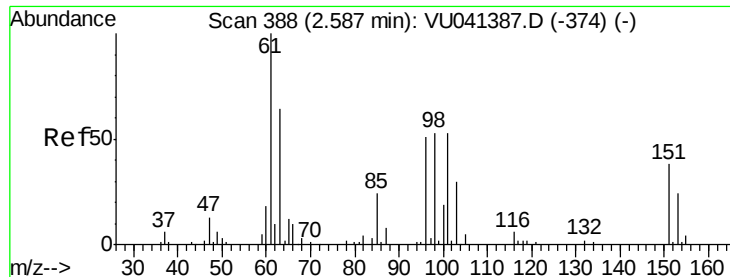
Tgt Ion: 64 Resp: 1779

Ion Ratio Lower Upper

64 100

66 8.5 24.6 45.8#





#10

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

Concen: 0.058 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

Instrument :

MSVOA_U

ClientSampled :

H4423

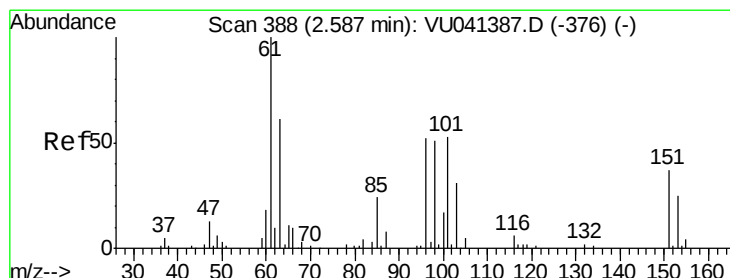
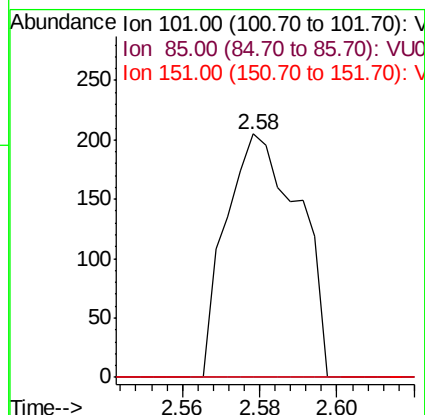
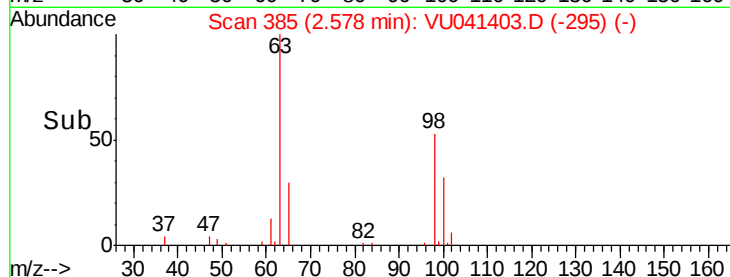
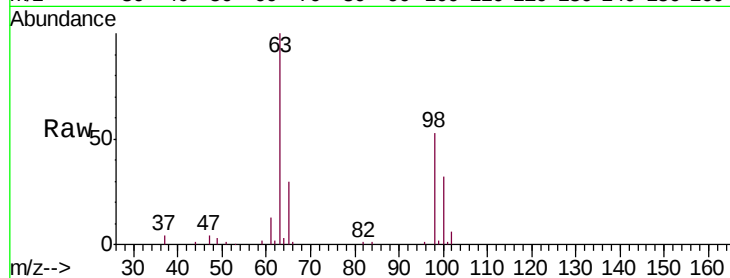
Tgt Ion:101 Resp: 269

Ion Ratio Lower Upper

101 100

85 50.2 35.1 52.7

151 0.0 56.2 84.2#



#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

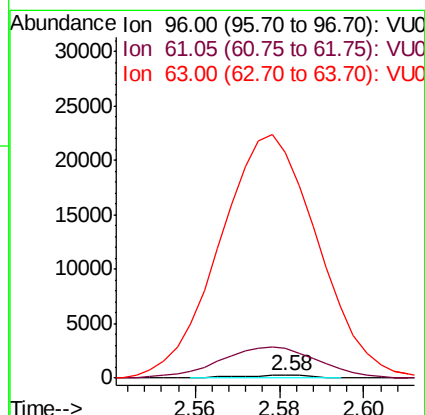
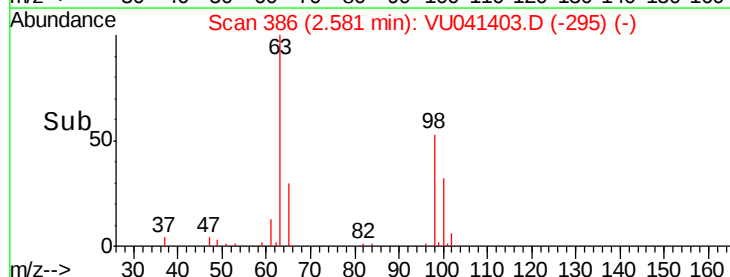
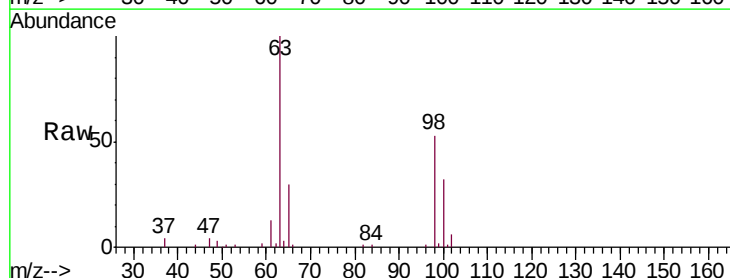
Tgt Ion: 96 Resp: 294

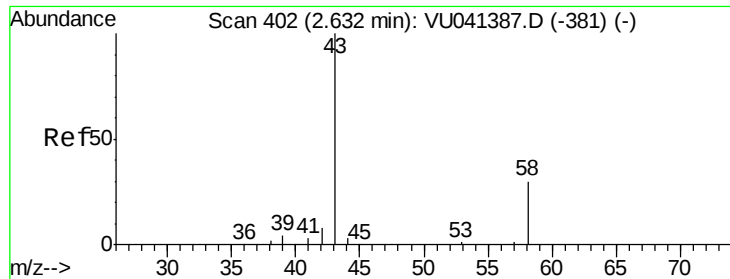
Ion Ratio Lower Upper

96 100

61 1042.7 129.8 241.2#

63 7920.6 79.2 147.0#





#13

Acetone

Concen: 0.782 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.04 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

Instrument :

MSVOA_U

ClientSampleId :

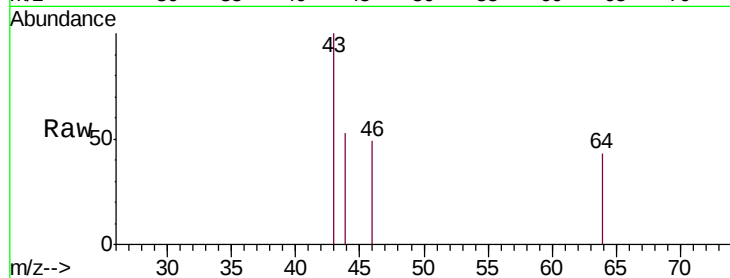
H4423

Tgt Ion: 43 Resp: 626

Ion Ratio Lower Upper

43 100

58 10.7 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

300

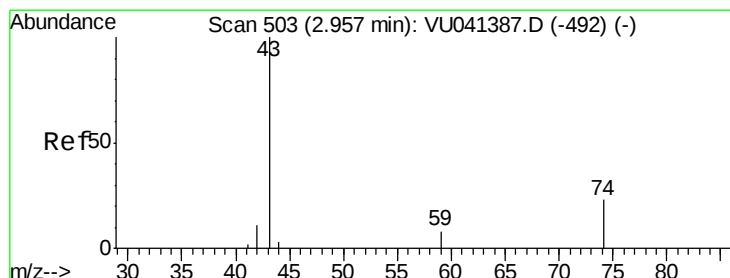
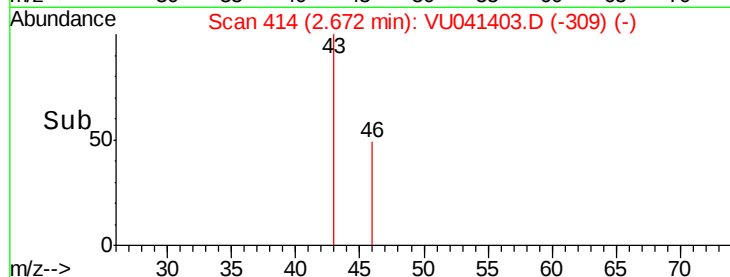
200

100

0

Time-->

2.62 2.64 2.66 2.68 2.70



#15

Methyl Acetate

Concen: 0.856 ug/L

RT: 3.05 min Scan# 533

Delta R.T. 0.10 min

Lab File: VU041403.D

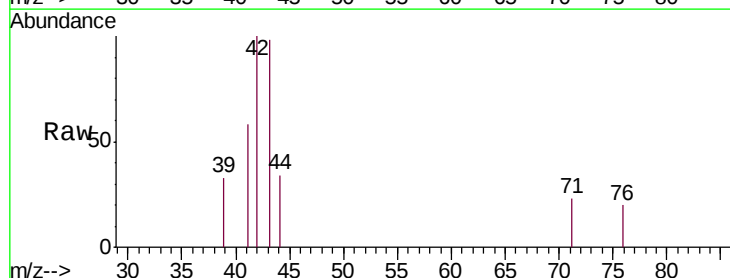
Acq: 23 Nov 2020 21:26

Tgt Ion: 43 Resp: 1615

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

3.05

600

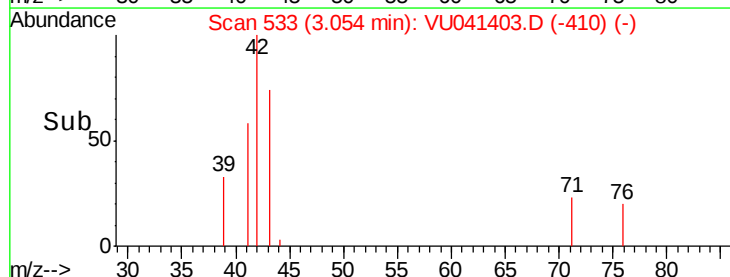
400

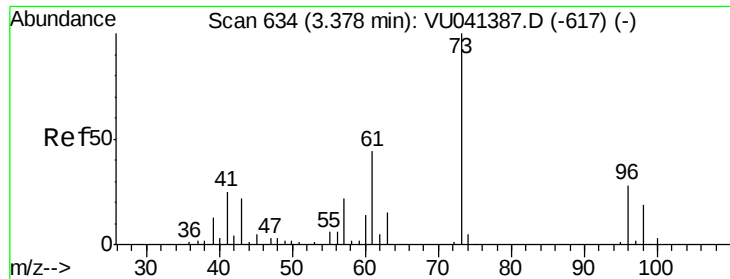
200

0

Time-->

3.00 3.05 3.10

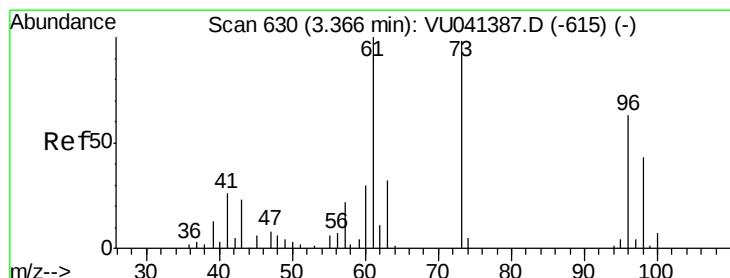
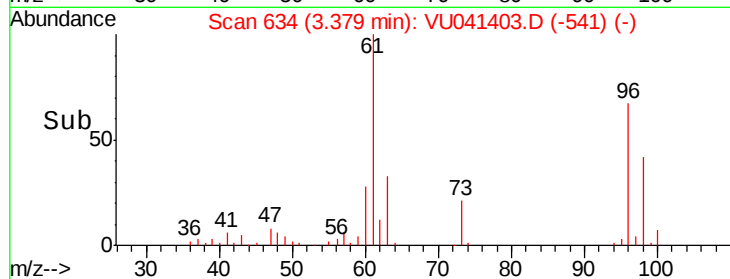
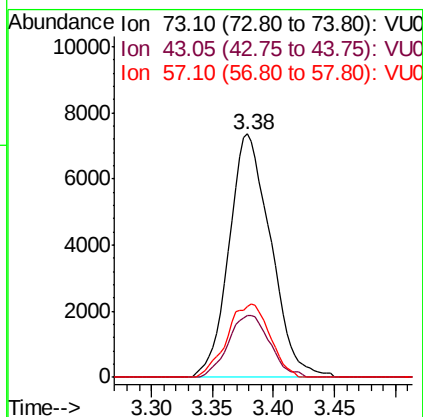
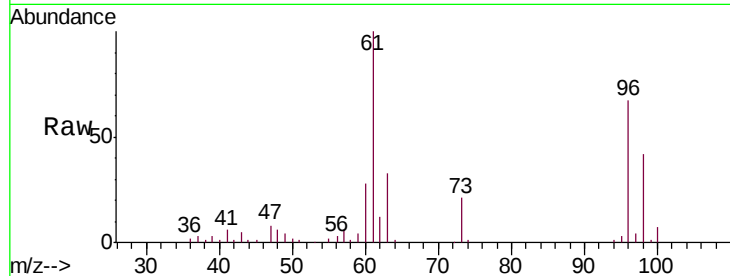




#17
Methyl tert-butyl Ether
Concen: 1.723 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

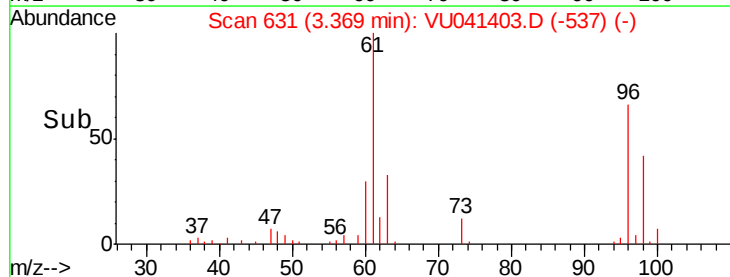
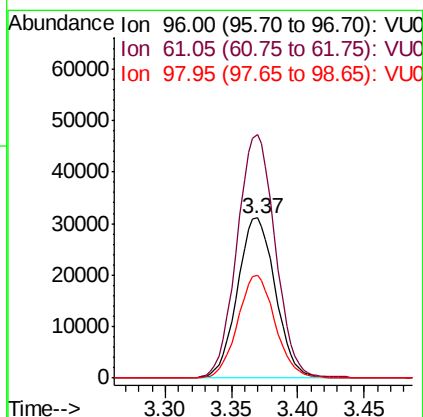
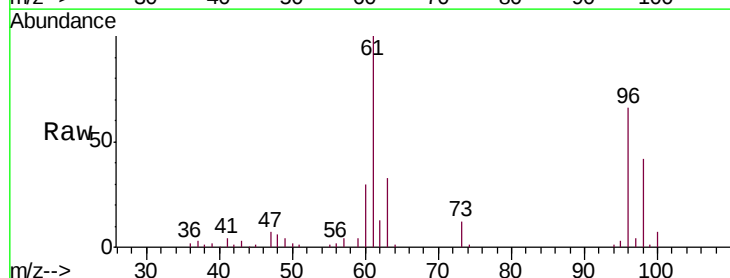
Instrument :
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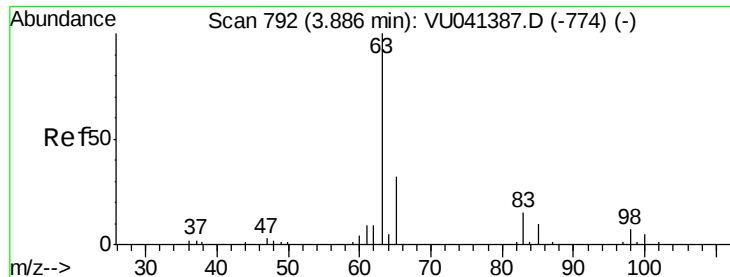
Tgt Ion: 73 Resp: 17472
Ion Ratio Lower Upper
73 100
43 25.4 18.3 27.5
57 30.7 17.7 26.5#



#18
trans-1,2-Dichloroethene
Concen: 14.045 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Tgt Ion: 96 Resp: 62041
Ion Ratio Lower Upper
96 100
61 151.9 103.7 192.5
98 64.5 47.5 88.3

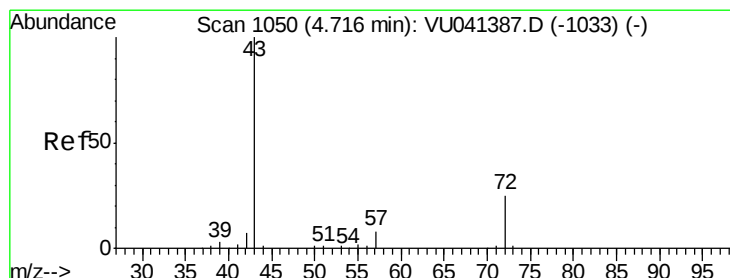
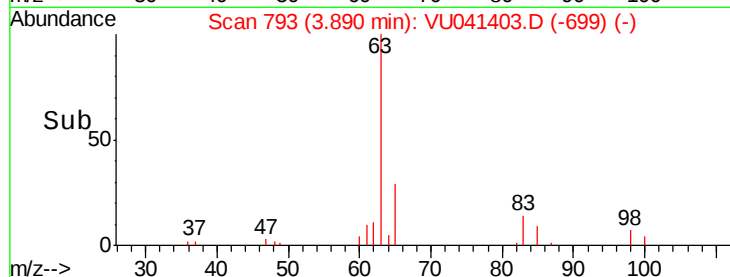
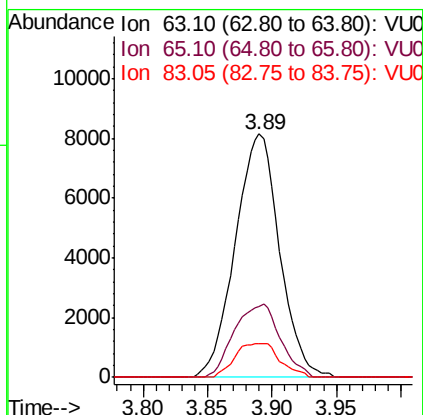
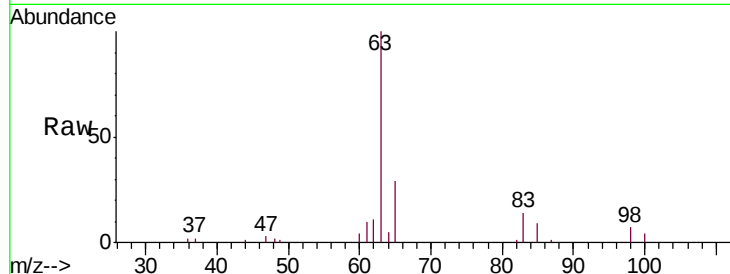




#19
 1,1-Dichloroethane
 Concen: 2.216 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041403.D
 Acq: 23 Nov 2020 21:26

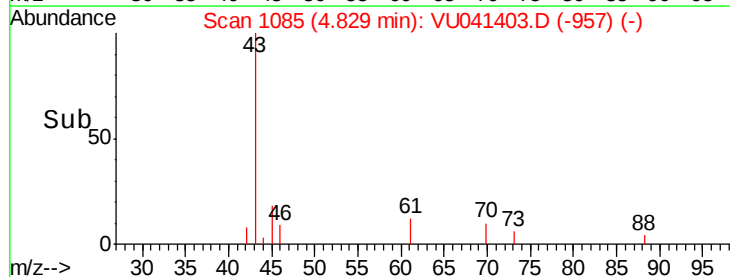
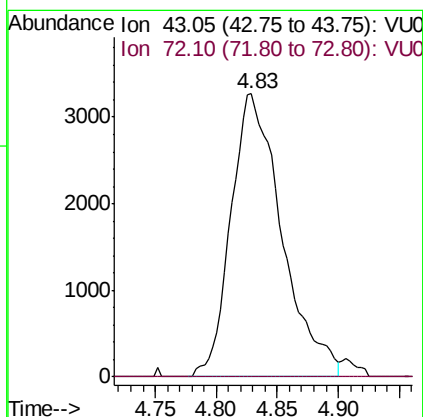
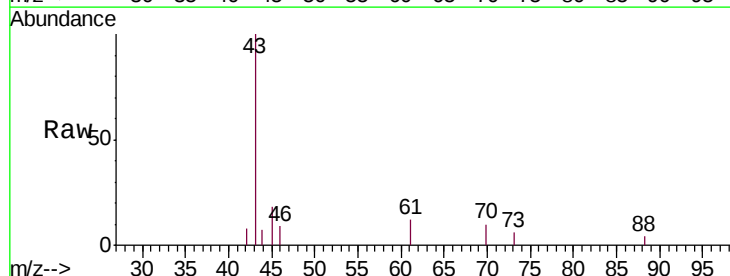
Instrument :
 MSVOA_U
 ClientSampleId :
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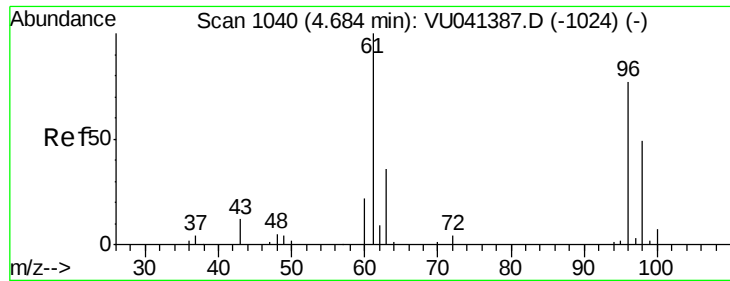
Tgt Ion: 63 Resp: 19474
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.0 42.8
 83 14.1 9.4 17.4



#21
 2-Butanone
 Concen: 7.475 ug/L
 RT: 4.83 min Scan# 1085
 Delta R.T. 0.11 min
 Lab File: VU041403.D
 Acq: 23 Nov 2020 21:26

Tgt Ion: 43 Resp: 9503
 Ion Ratio Lower Upper
 43 100
 72 0.0 12.6 37.6#





#22

cis-1,2-Dichloroethene

Concen: 0.638 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

Instrument :

MSVOA_U

ClientSampleId :

H4423

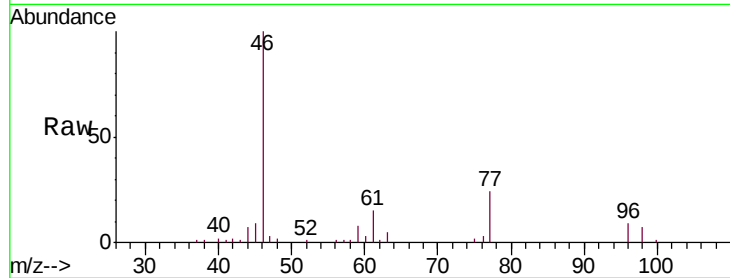
Tgt Ion: 96 Resp: 2999

Ion Ratio Lower Upper

96 100

61 156.5 95.3 176.9

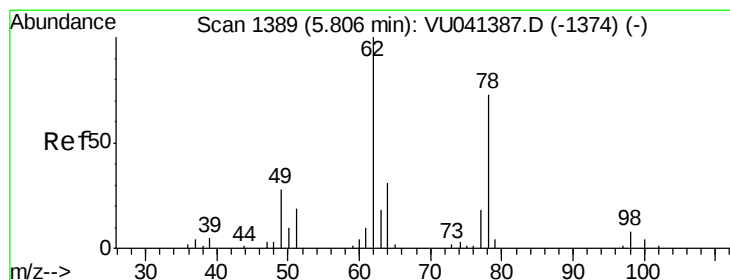
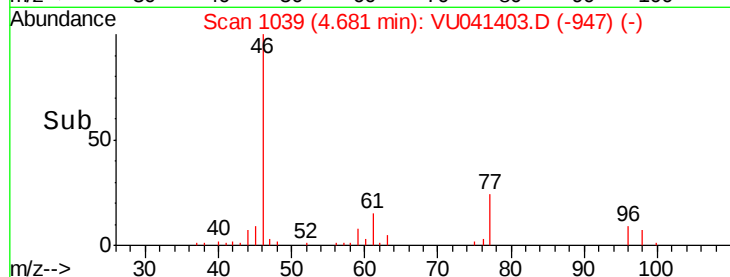
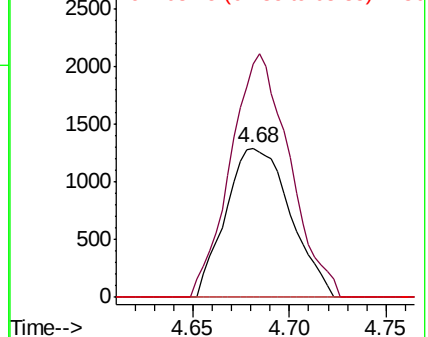
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#27

1,2-Dichloroethane

Concen: 0.038 ug/L

RT: 5.80 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VU041403.D

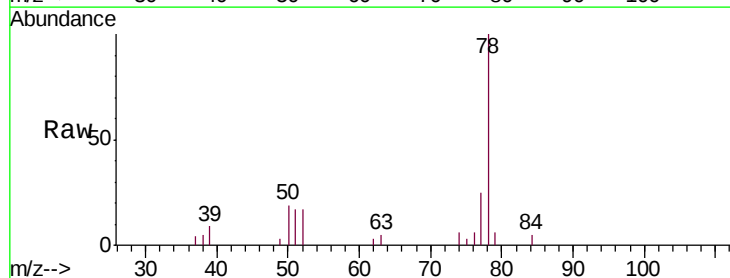
Acq: 23 Nov 2020 21:26

Tgt Ion: 62 Resp: 237

Ion Ratio Lower Upper

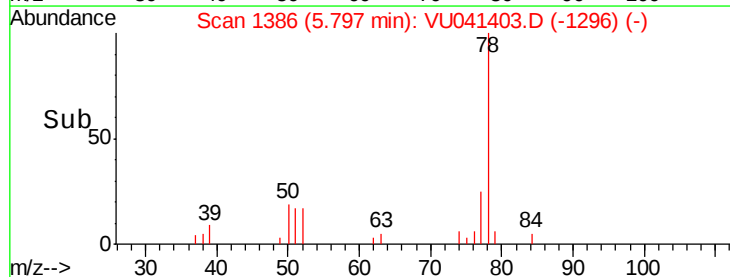
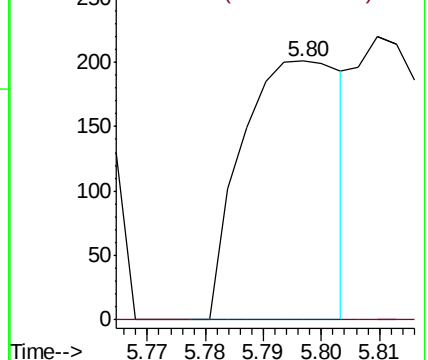
62 100

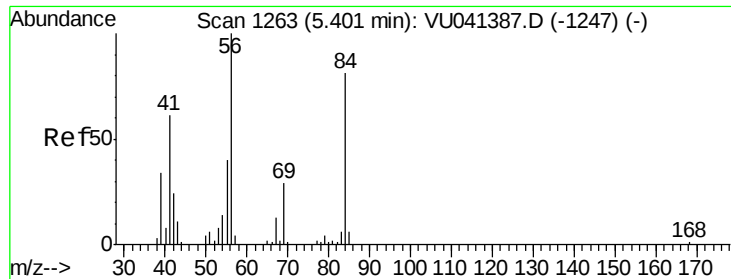
98 0.0 6.0 9.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

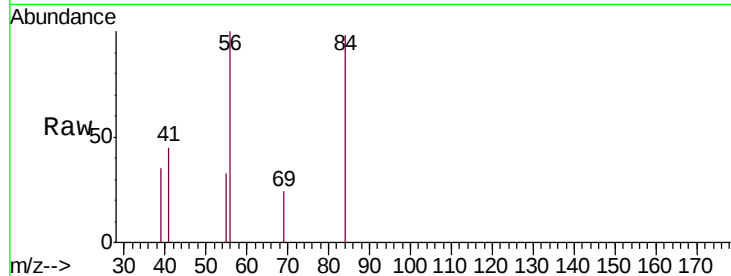




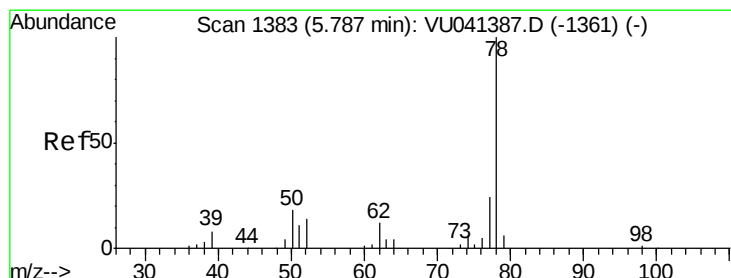
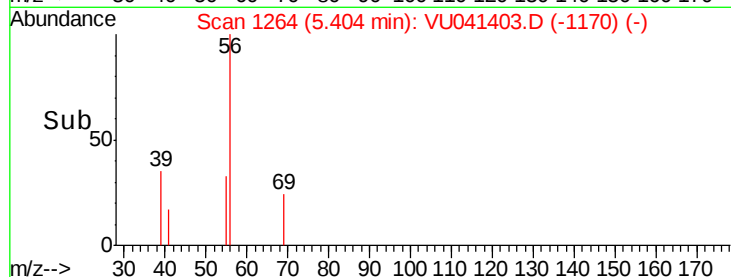
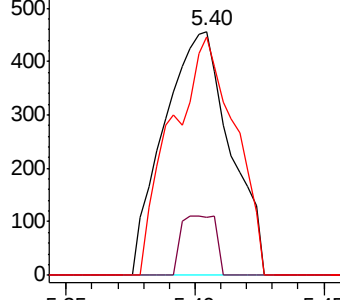
#30
Cyclohexane
Concen: 0.112 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Instrument :
MSVOA_U
ClientSampleId :
H4423

Tgt Ion: 56 Resp: 818
Ion Ratio Lower Upper
56 100
69 12.8 23.8 35.6#
84 93.5 64.6 97.0

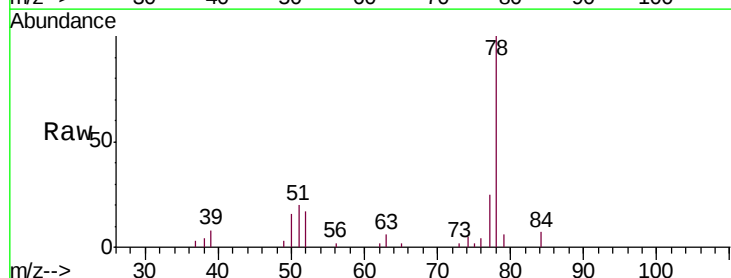


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

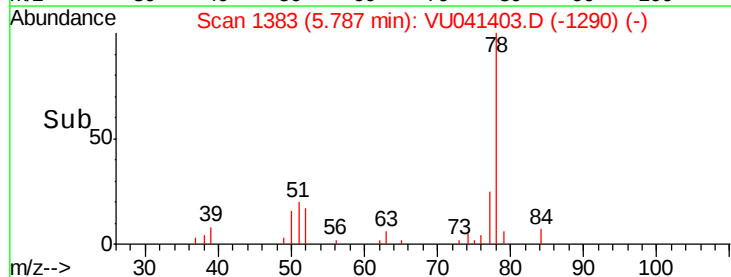
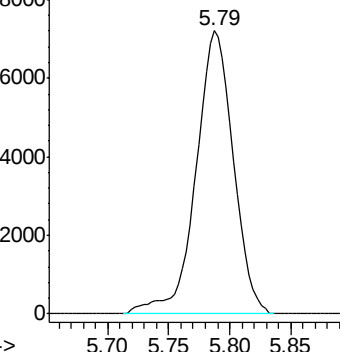


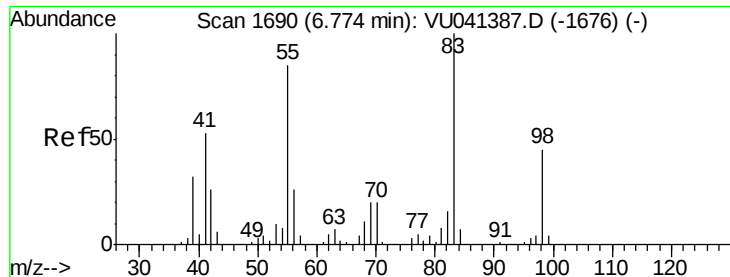
#33
Benzene
Concen: 0.837 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Tgt Ion: 78 Resp: 15388



Abundance Ion 78.10 (77.80 to 78.80): VU0

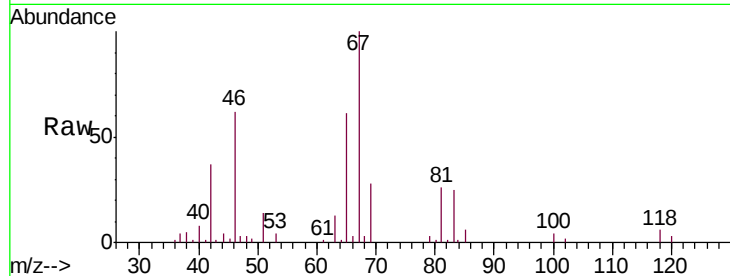




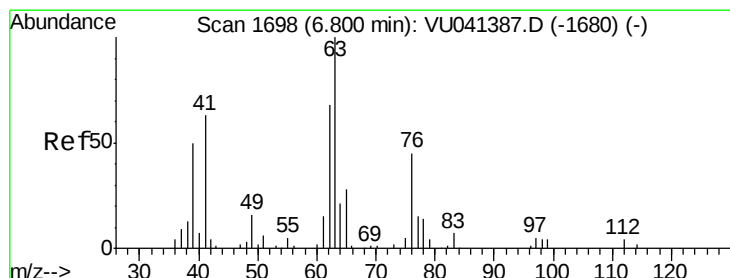
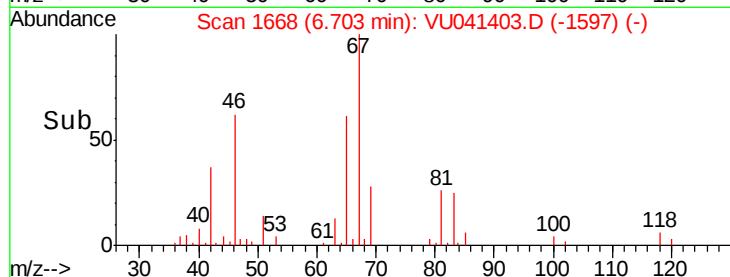
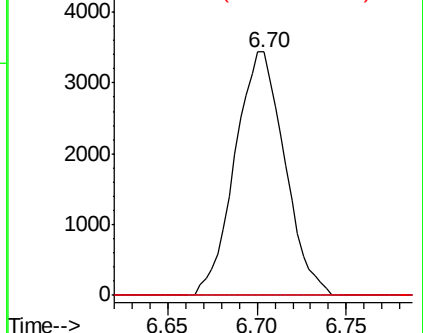
#35
Methylcyclohexane
Concen: 0.914 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Instrument :
MSVOA_U
ClientSampleId :
H4423

Tgt Ion: 83 Resp: 6675
Ion Ratio Lower Upper
83 100
55 0.0 68.4 102.6#
98 0.0 36.5 54.7#

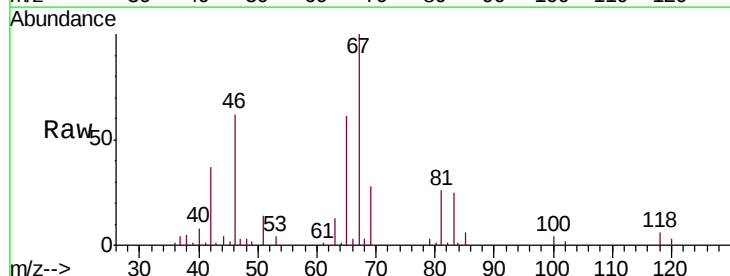


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

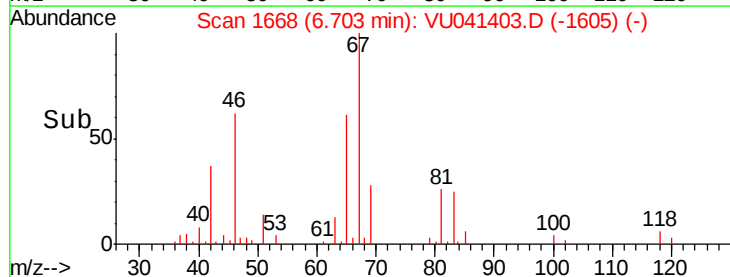
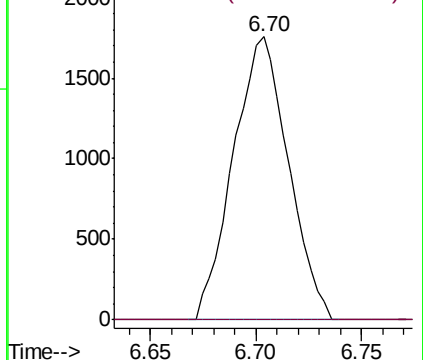


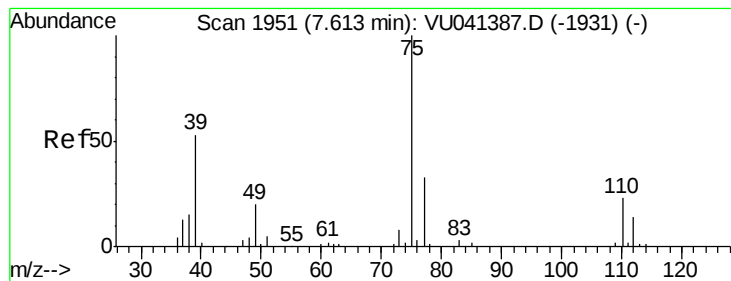
#37
1,2-Dichloropropane
Concen: 0.633 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Tgt Ion: 63 Resp: 3191
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



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: 0.114 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

Instrument :

MSVOA_U

ClientSampleId :

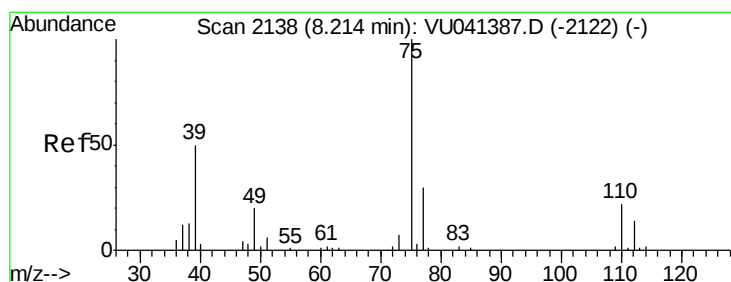
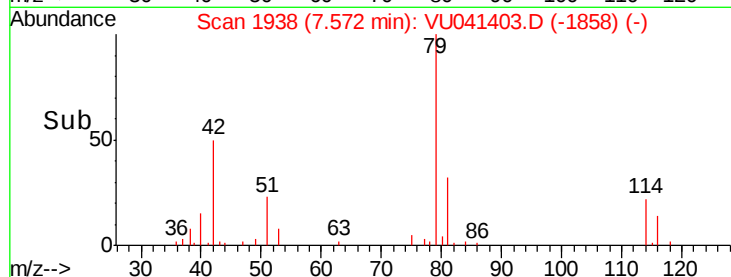
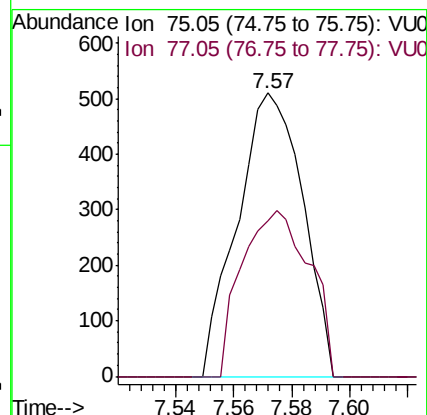
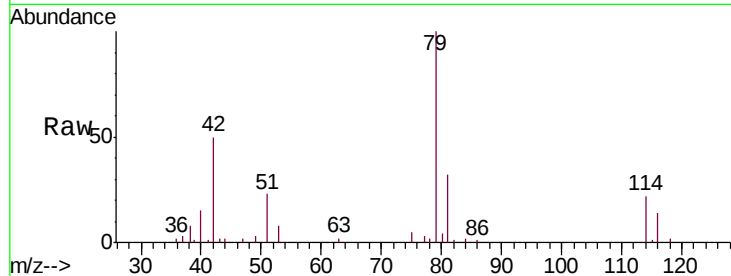
H4423

Tgt Ion: 75 Resp: 797

Ion Ratio Lower Upper

75 100

77 54.9 22.1 41.1#



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041403.D

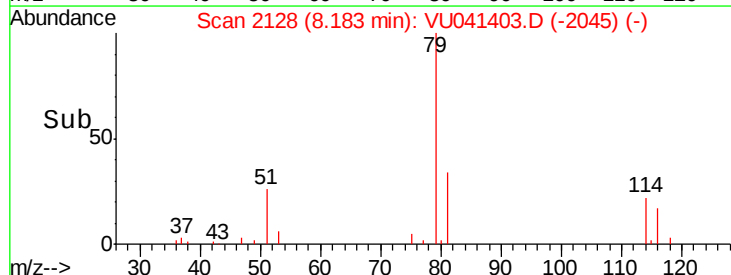
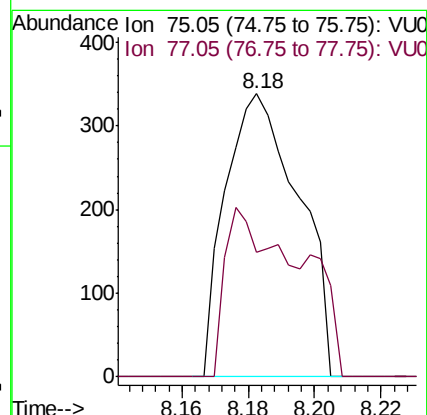
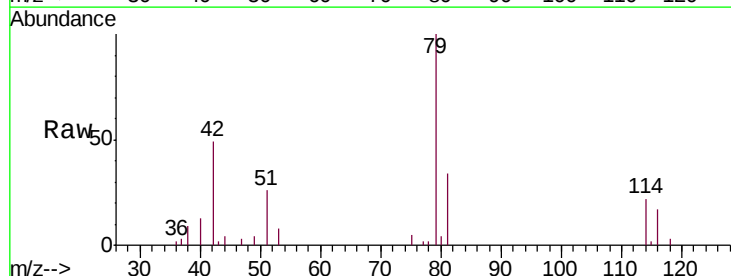
Acq: 23 Nov 2020 21:26

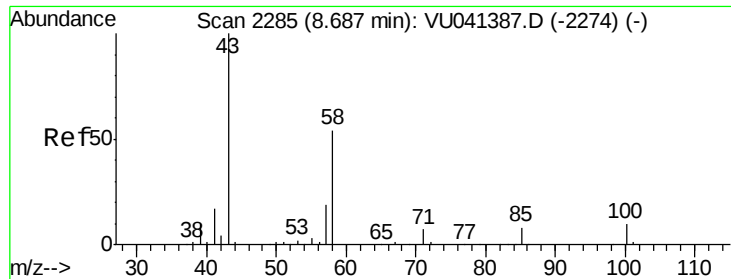
Tgt Ion: 75 Resp: 521

Ion Ratio Lower Upper

75 100

77 44.1 21.7 40.3#

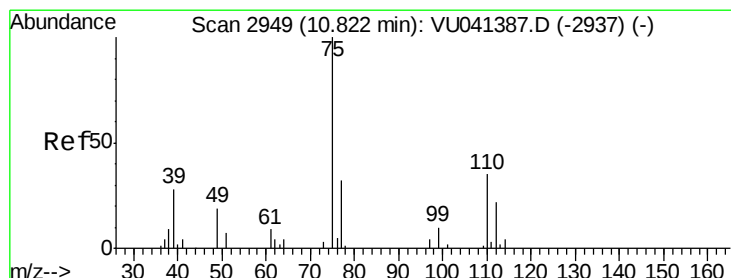
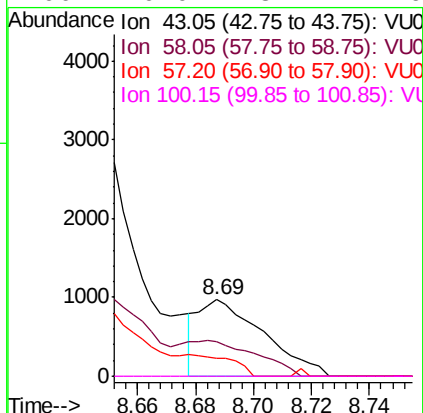
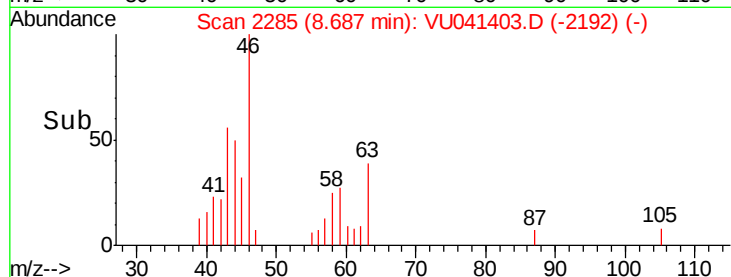
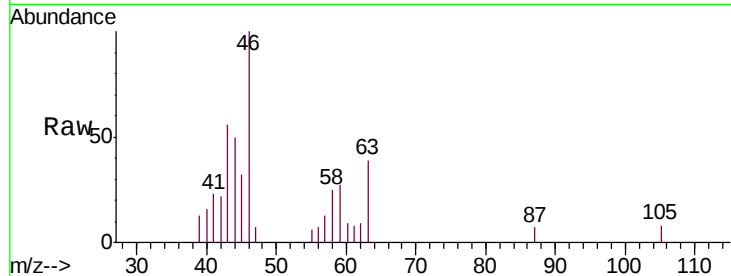




#48
2-Hexanone
Concen: 0.666 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Instrument :
MSVOA_U
ClientSampleId :
H4423

Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
58 48.8 42.0 63.0
57 0.0 15.0 22.4#
100 0.0 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 1.141 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Tgt Ion: 75 Resp: 3759
Ion Ratio Lower Upper
75 100
77 37.6 25.1 37.7

