

Data File : VU041406.D
Acq On : 23 Nov 2020 22:37
Operator : SY/MD
Sample : L4849-14MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4404MSD

Quant Time: Nov 24 01:57:38 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	60345	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27986	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21631	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.91	69	14734	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.57	63	41517	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.69	46	68308	63.22	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.44%
24) Chloroform-d	5.08	84	43814	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	27253	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.74	84	74617	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	24867	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.90	98	62765	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	8.19	79	10833	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	45090	60.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23118	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	26002	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

					Qvalue
3) Chloromethane	1.52	50	524	0.106	ug/L 99
5) Vinyl chloride	1.60	62	193962	36.781	ug/L 96
8) Chloroethane	1.97	64	530	0.177	ug/L # 48
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	209	0.050	ug/L # 21
12) 1,1-Dichloroethene	2.58	96	18699	5.032	ug/L 92
13) Acetone	2.60	43	485	0.664	ug/L # 46
14) Carbon disulfide	2.80	76	836	0.064	ug/L # 76
15) Methyl Acetate	3.05	43	640	0.372	ug/L # 55
17) Methyl tert-butyl Ether	3.39	73	28318	3.060	ug/L 97
18) trans-1,2-Dichloroethene	3.36	96	4134	1.026	ug/L 98
19) 1,1-Dichloroethane	3.88	63	4464	0.557	ug/L 93
21) 2-Butanone	4.84	43	27035	23.310	ug/L # 53
22) cis-1,2-Dichloroethene	4.68	96	51320	11.976	ug/L 98
27) 1,2-Dichloroethane	5.79	62	1074	0.187	ug/L # 78
30) Cyclohexane	5.39	56	417	0.061	ug/L # 79
33) Benzene	5.79	78	91860	5.327	ug/L 100
34) Trichloroethene	6.55	95	23216	4.944	ug/L 94

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

Data File : VU041406.D
Acq On : 23 Nov 2020 22:37
Operator : SY/MD
Sample : L4849-14MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4404MSD

Quant Time: Nov 24 01:57:38 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

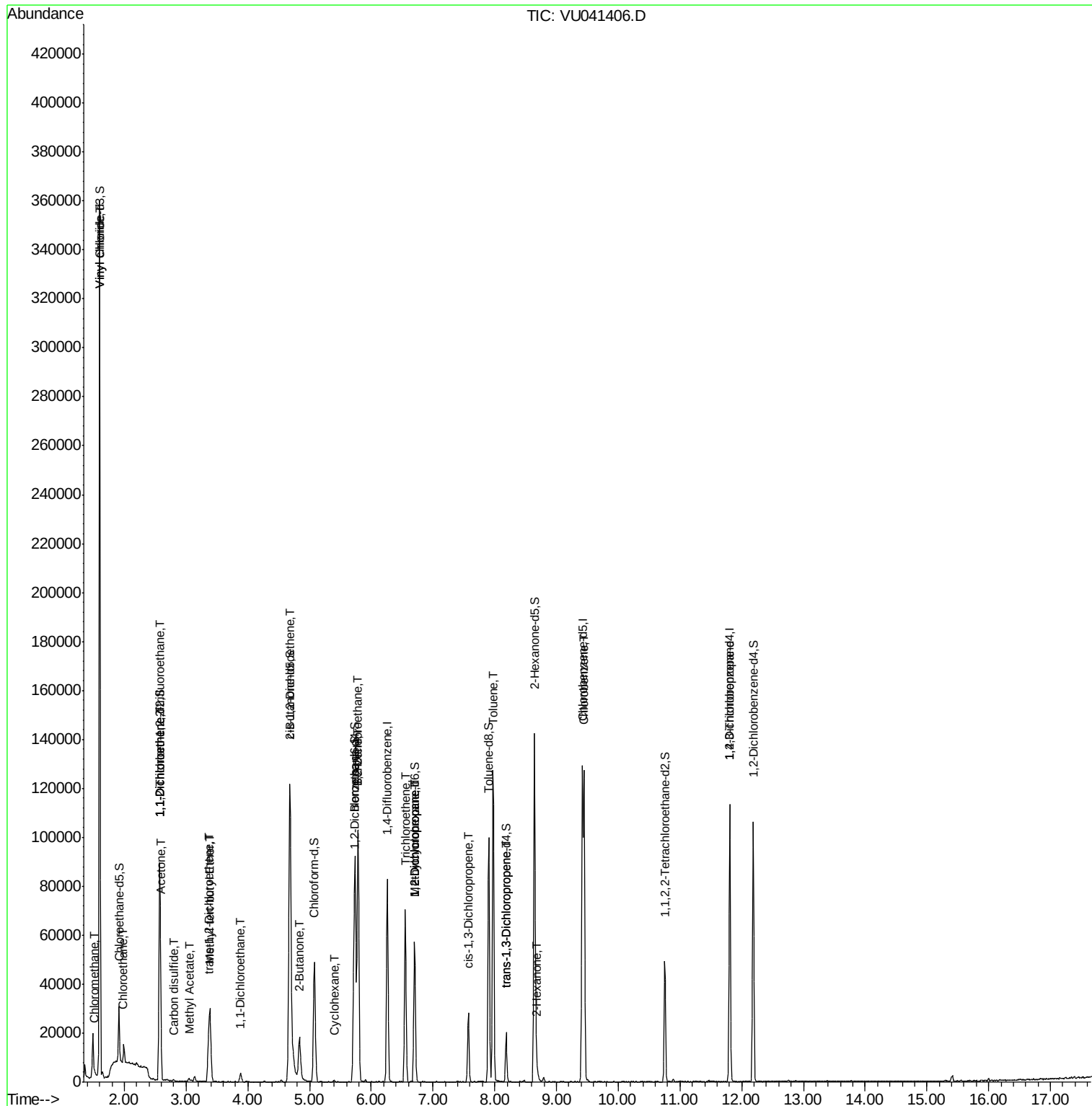
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Methylcyclohexane	6.70	83	5945	0.868	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3070	0.649	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	849	0.130	ug/L #	54
42) Toluene	7.97	91	86444	4.702	ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	590	0.099	ug/L	88
48) 2-Hexanone	8.69	43	1281	0.602	ug/L #	95
51) Chlorobenzene	9.45	112	60387	5.074	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	3244	1.050	ug/L #	68

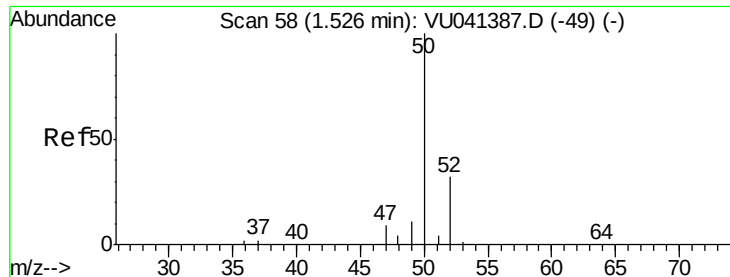
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU041406.D
Acq On : 23 Nov 2020 22:37
Operator : SY/MD
Sample : L4849-14MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4404MSD

Quant Time: Nov 24 01:57:38 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





#3

Chloromethane

Concen: 0.106 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.01 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

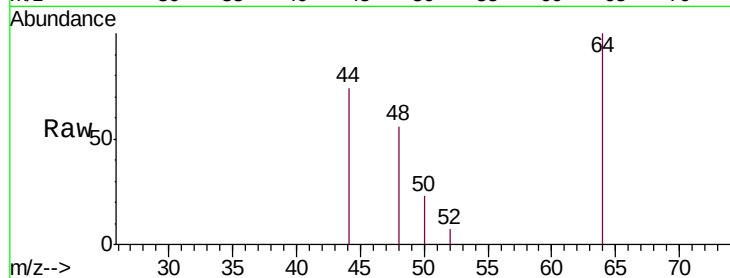
H4404MSD

Tgt Ion: 50 Resp: 524

Ion Ratio Lower Upper

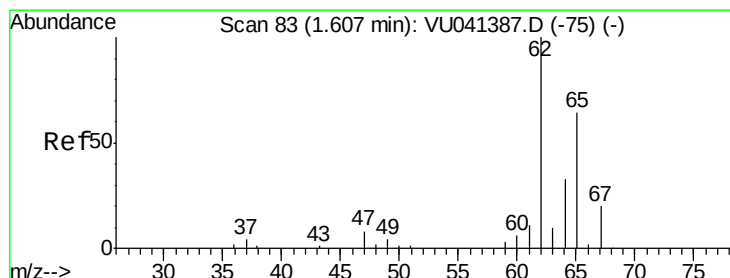
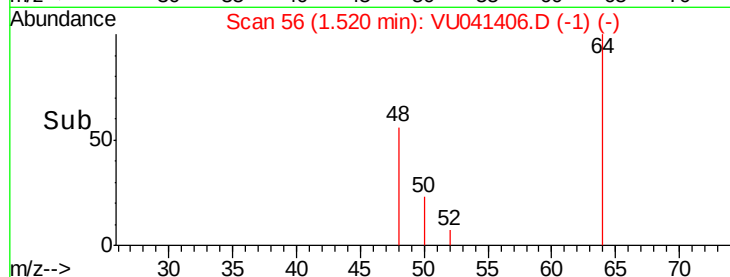
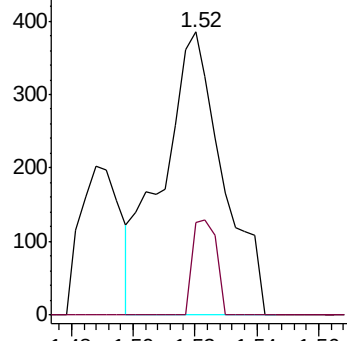
50 100

52 32.5 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 36.781 ug/L

RT: 1.60 min Scan# 81

Delta R.T. -0.01 min

Lab File: VU041406.D

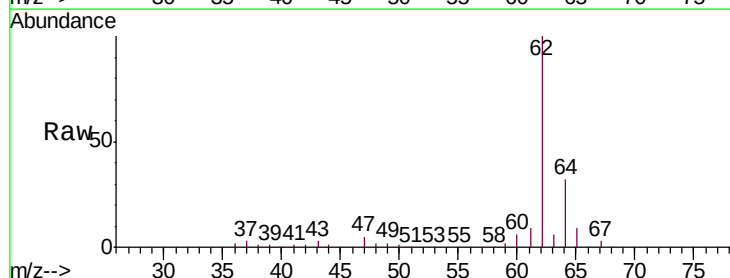
Acq: 23 Nov 2020 22:37

Tgt Ion: 62 Resp: 193962

Ion Ratio Lower Upper

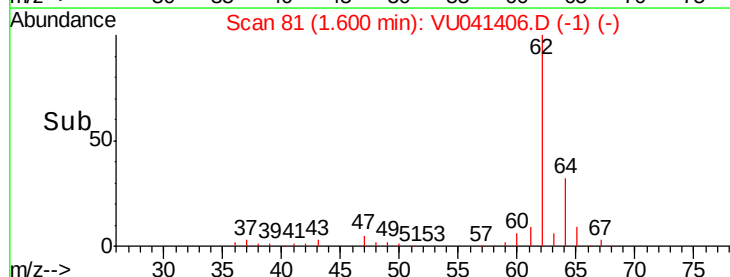
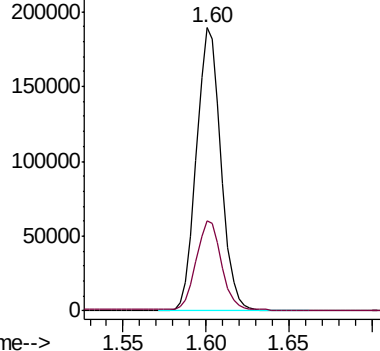
62 100

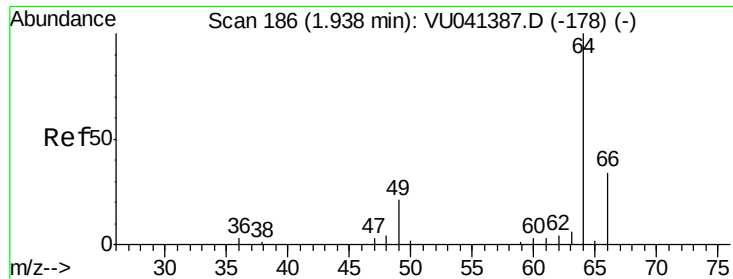
64 31.8 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

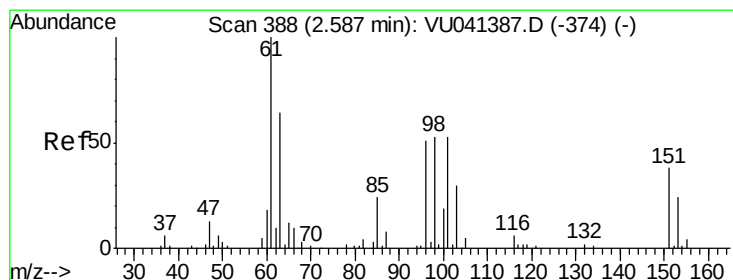
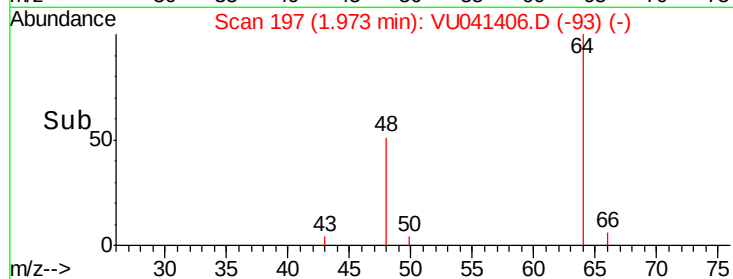
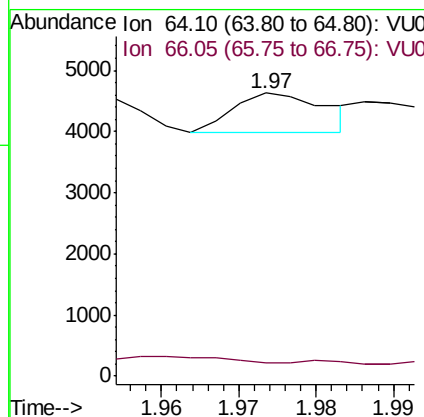
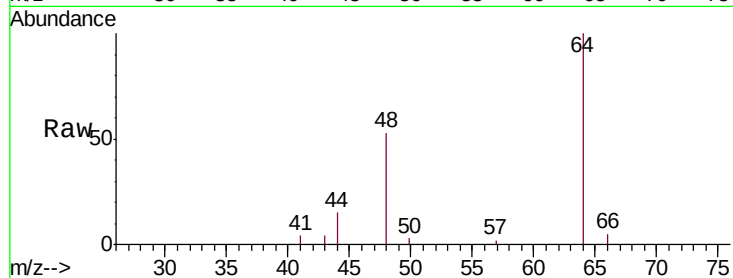




#8
 Chloroethane
 Concen: 0.177 ug/L
 RT: 1.97 min Scan# 197
 Delta R.T. 0.04 min
 Lab File: VU041406.D
 Acq: 23 Nov 2020 22:37

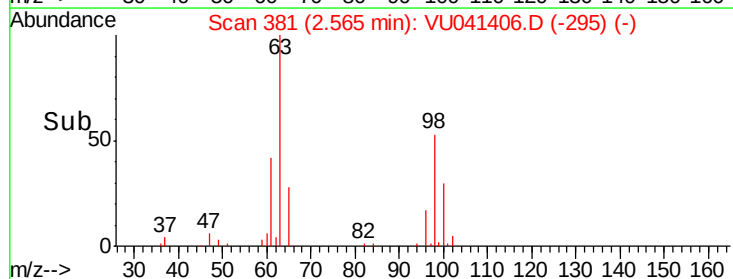
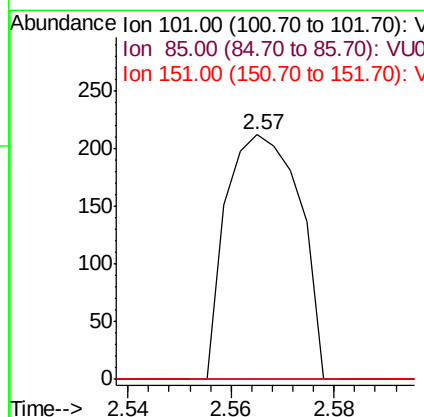
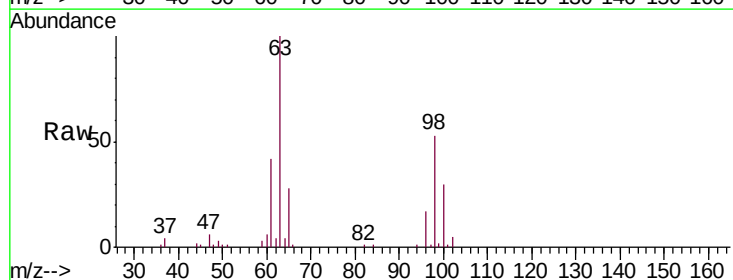
Instrument :
 MSVOA_U
 ClientSampleId :
 H4404MSD

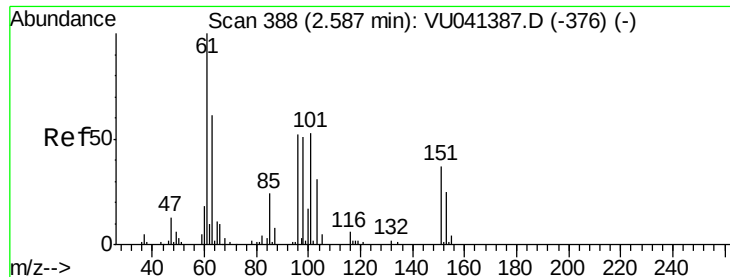
Tgt Ion: 64 Resp: 530
 Ion Ratio Lower Upper
 64 100
 66 4.7 24.6 45.8#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.050 ug/L
 RT: 2.57 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VU041406.D
 Acq: 23 Nov 2020 22:37

Tgt Ion: 101 Resp: 209
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.2 84.2#





#12

1,1-Dichloroethene

Concen: 5.032 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

H4404MSD

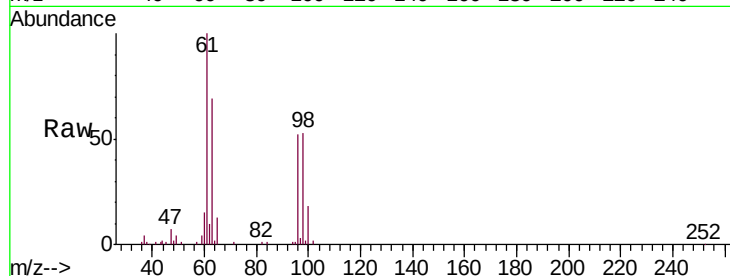
Tgt Ion: 96 Resp: 18699

Ion Ratio Lower Upper

96 100

61 190.5 129.8 241.2

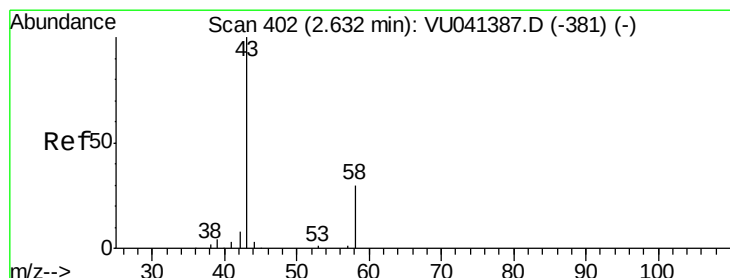
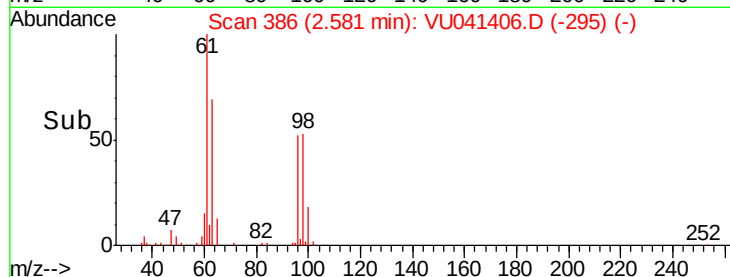
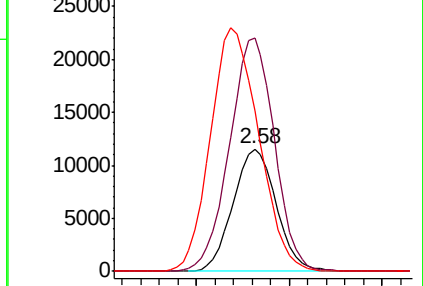
63 130.7 79.2 147.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 0.664 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.04 min

Lab File: VU041406.D

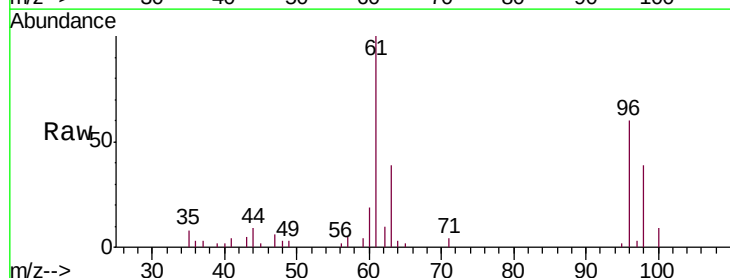
Acq: 23 Nov 2020 22:37

Tgt Ion: 43 Resp: 485

Ion Ratio Lower Upper

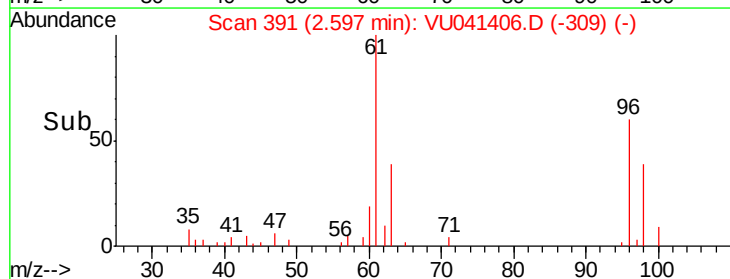
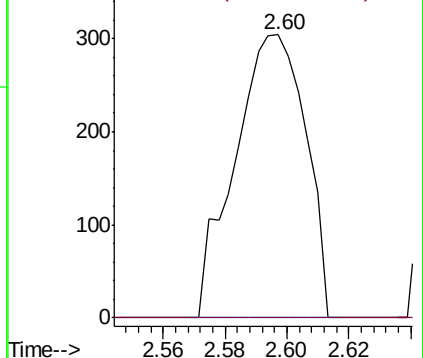
43 100

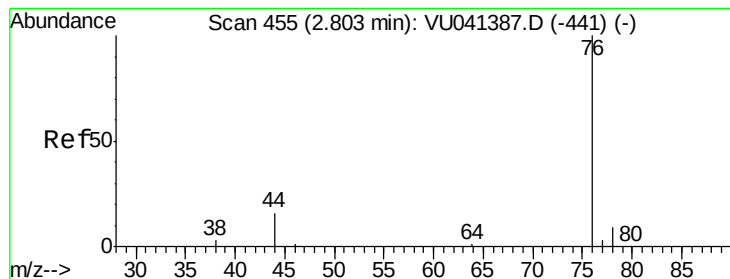
58 0.0 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.064 ug/L

RT: 2.80 min Scan# 453

Delta R.T. -0.01 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

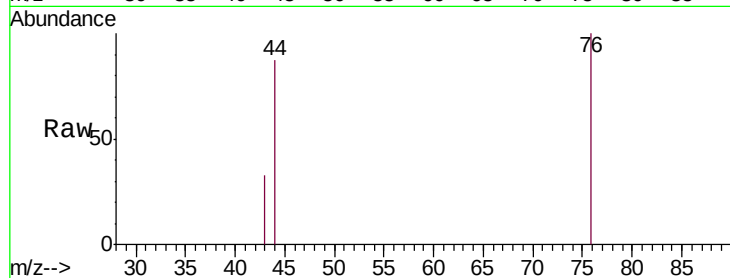
H4404MSD

Tgt Ion: 76 Resp: 836

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.80

400

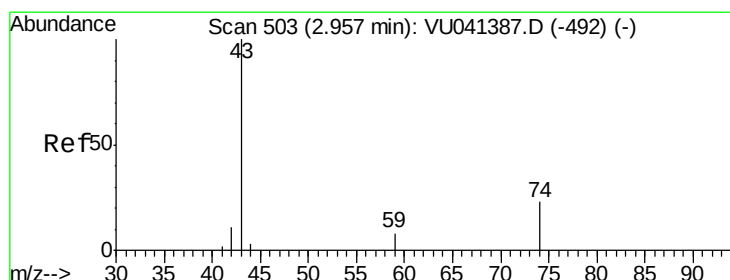
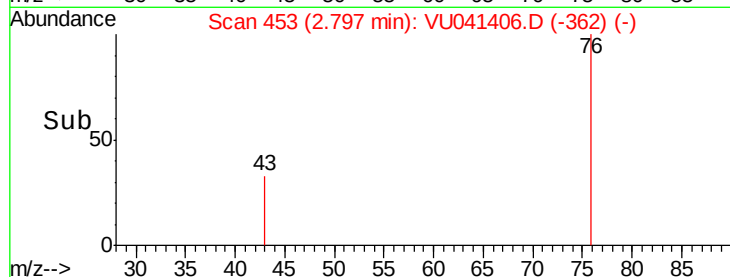
300

200

100

0

Time--> 2.75 2.80 2.85



#15

Methyl Acetate

Concen: 0.372 ug/L

RT: 3.05 min Scan# 531

Delta R.T. 0.09 min

Lab File: VU041406.D

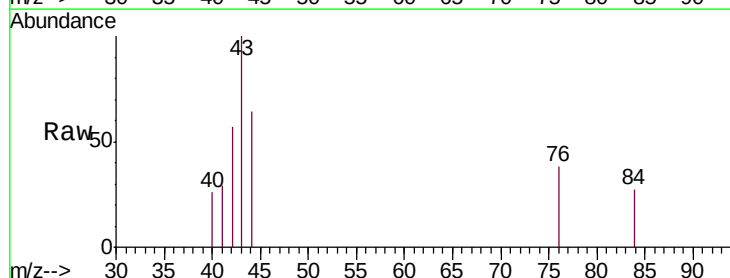
Acq: 23 Nov 2020 22:37

Tgt Ion: 43 Resp: 640

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

400

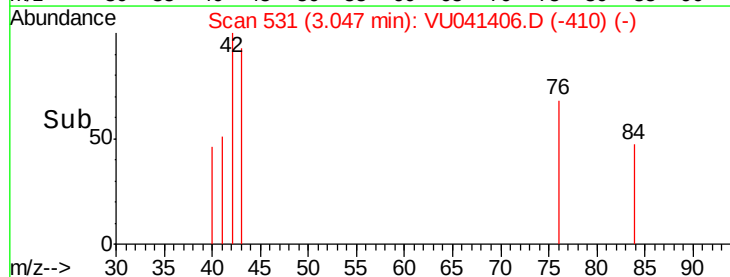
300

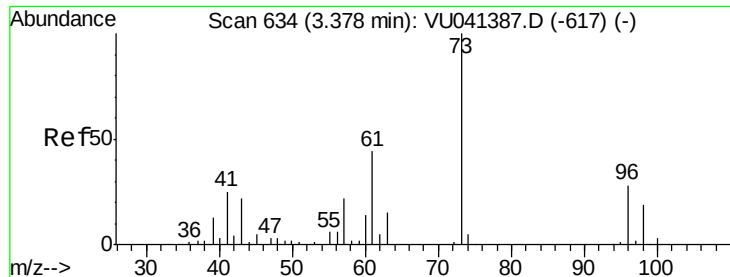
200

100

0

Time--> 3.00 3.02 3.04 3.06

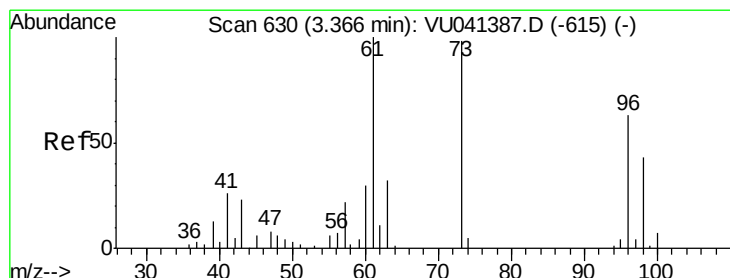
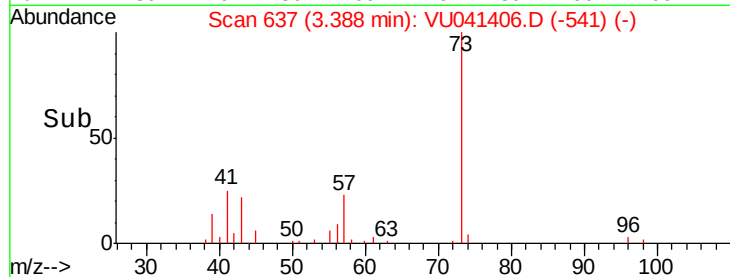
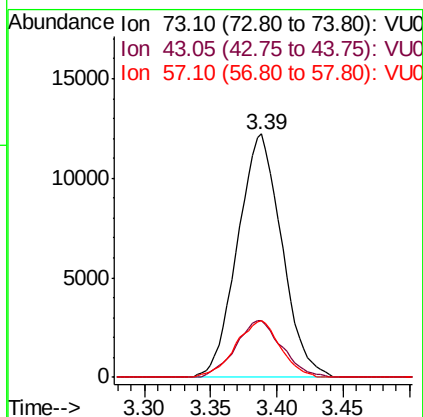
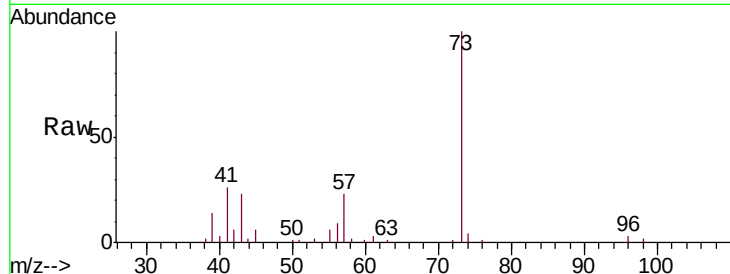




#17
Methyl tert-butyl Ether
Concen: 3.060 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU041406.D
Acq: 23 Nov 2020 22:37

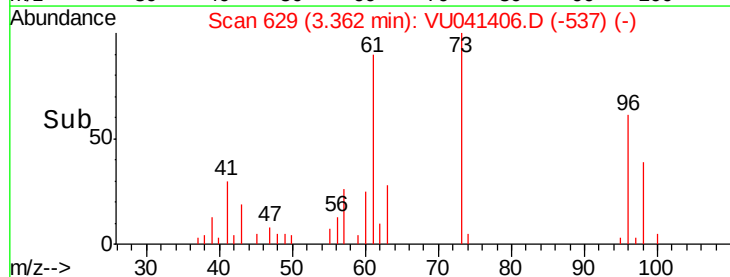
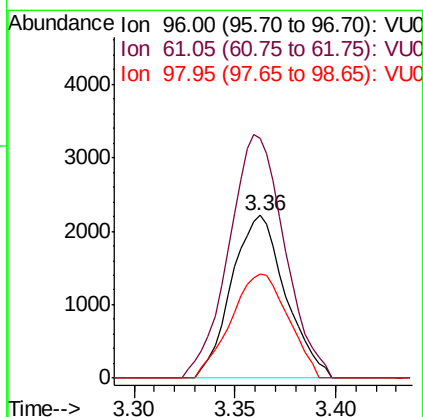
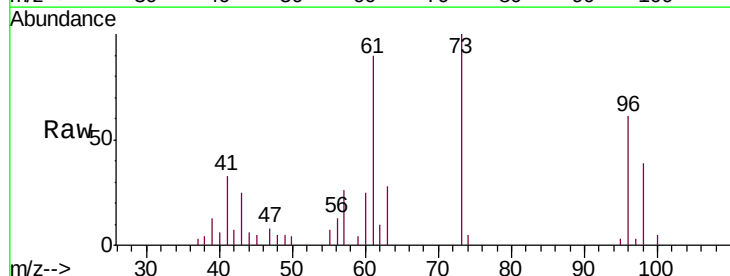
Instrument :
MSVOA_U
ClientSampleId :
H4404MSD

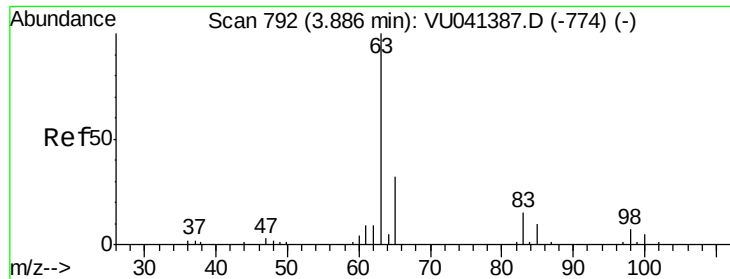
Tgt Ion: 73 Resp: 28318
Ion Ratio Lower Upper
73 100
43 24.5 18.3 27.5
57 23.5 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 1.026 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041406.D
Acq: 23 Nov 2020 22:37

Tgt Ion: 96 Resp: 4134
Ion Ratio Lower Upper
96 100
61 147.0 103.7 192.5
98 63.9 47.5 88.3

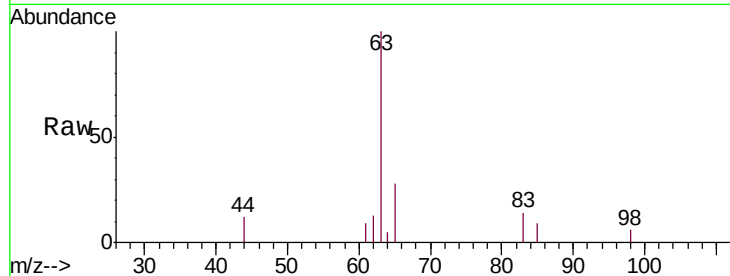




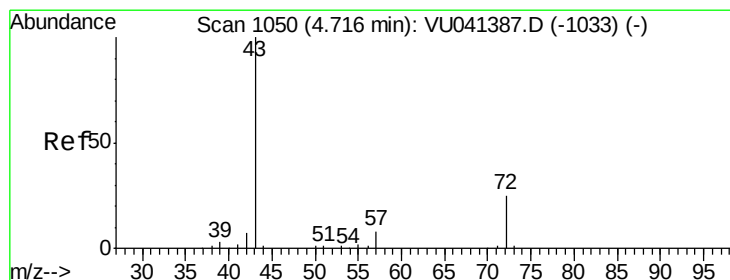
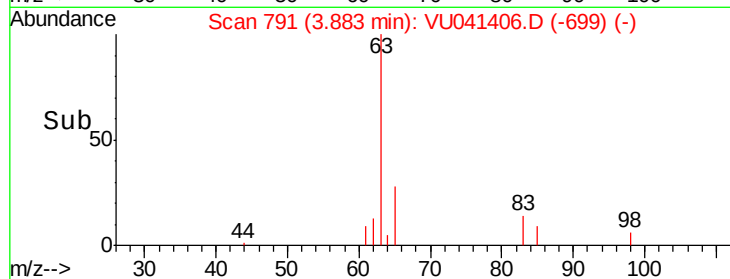
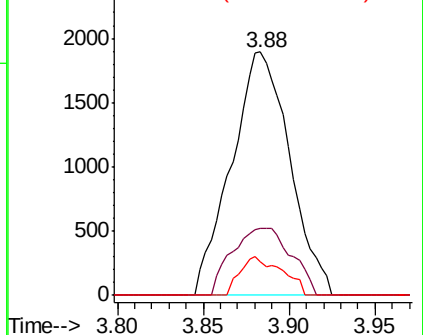
#19
 1,1-Dichloroethane
 Concen: 0.557 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041406.D
 Acq: 23 Nov 2020 22:37

Instrument :
 MSVOA_U
 ClientSampleId :
 H4404MSD

Tgt Ion: 63 Resp: 4464
 Ion Ratio Lower Upper
 63 100
 65 27.7 23.0 42.8
 83 13.9 9.4 17.4

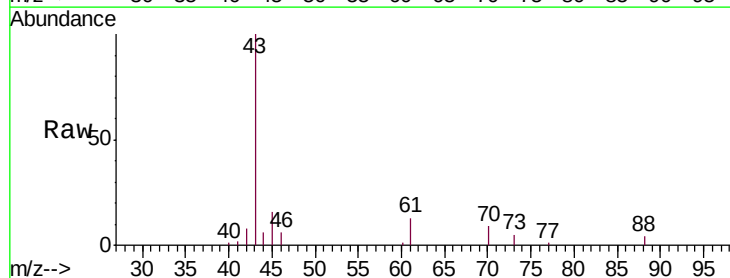


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

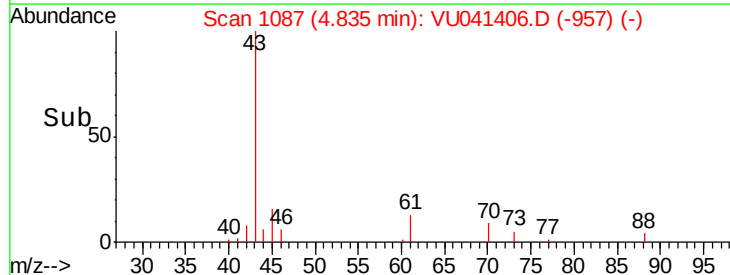
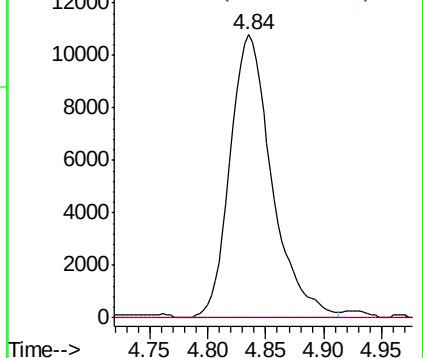


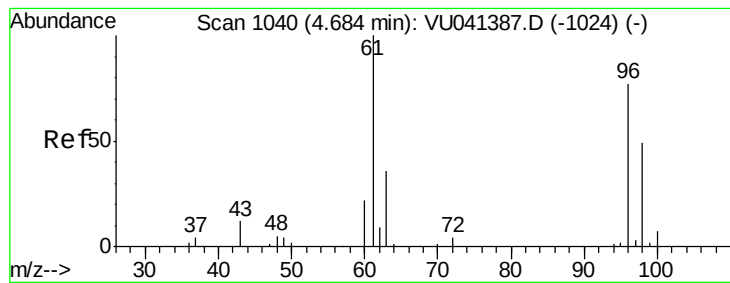
#21
 2-Butanone
 Concen: 23.310 ug/L
 RT: 4.84 min Scan# 1087
 Delta R.T. 0.12 min
 Lab File: VU041406.D
 Acq: 23 Nov 2020 22:37

Tgt Ion: 43 Resp: 27035
 Ion Ratio Lower Upper
 43 100
 72 1.7 12.6 37.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 11.976 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

H4404MSD

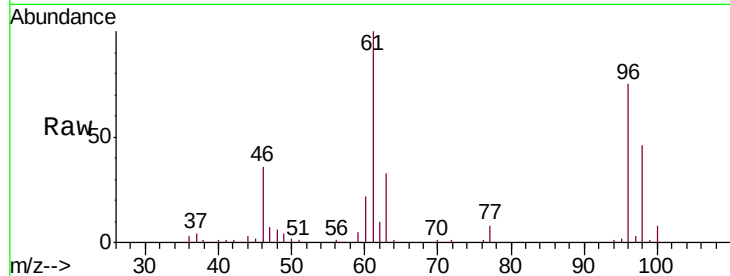
Tgt Ion: 96 Resp: 51320

Ion Ratio Lower Upper

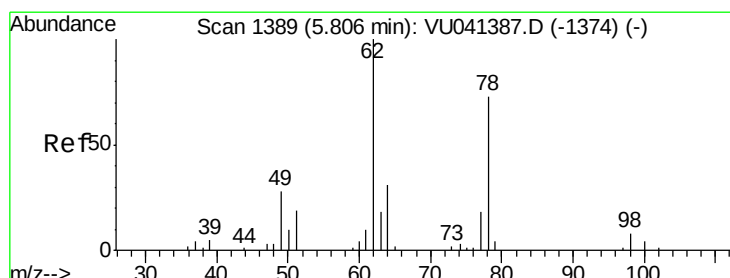
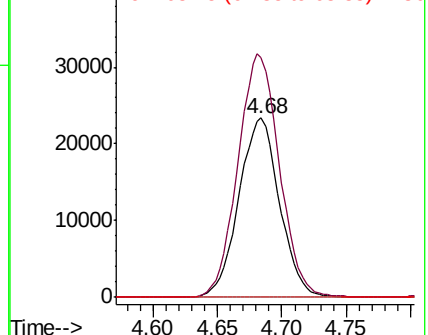
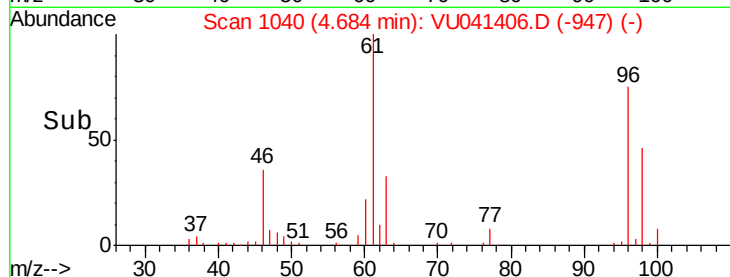
96 100

61 133.6 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041406.D (-947) (-)



#27

1,2-Dichloroethane

Concen: 0.187 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.02 min

Lab File: VU041406.D

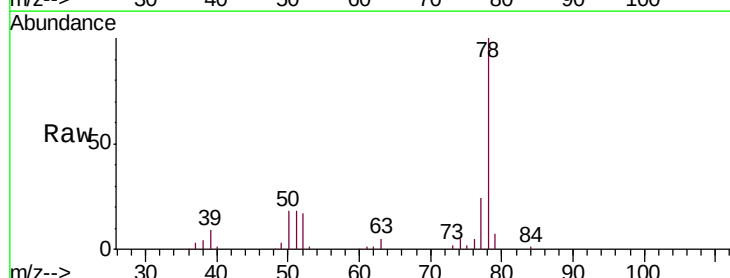
Acq: 23 Nov 2020 22:37

Tgt Ion: 62 Resp: 1074

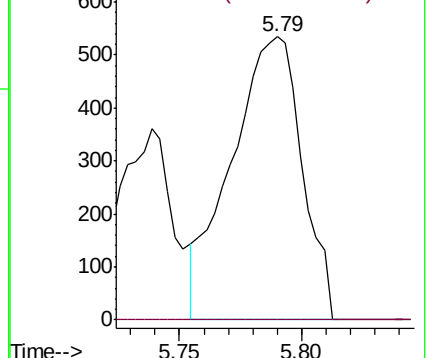
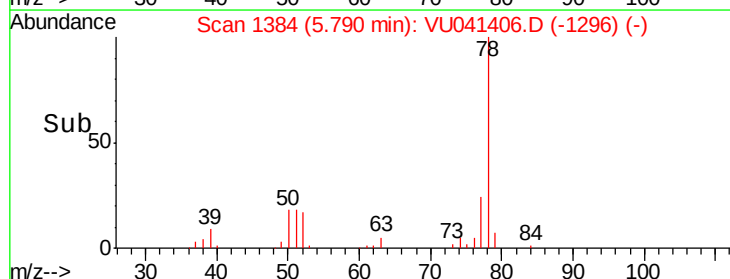
Ion Ratio Lower Upper

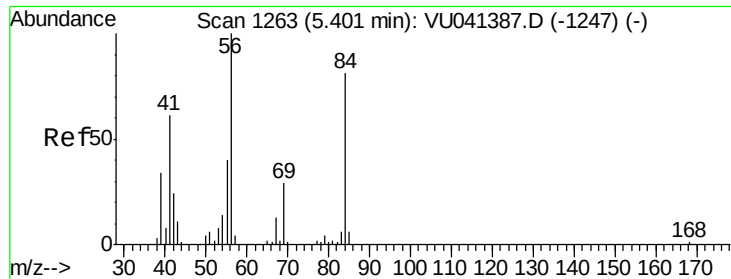
62 100

98 0.0 6.0 9.0#



Abundance Ion 62.00 (61.70 to 62.70): VU041406.D (-1296) (-)

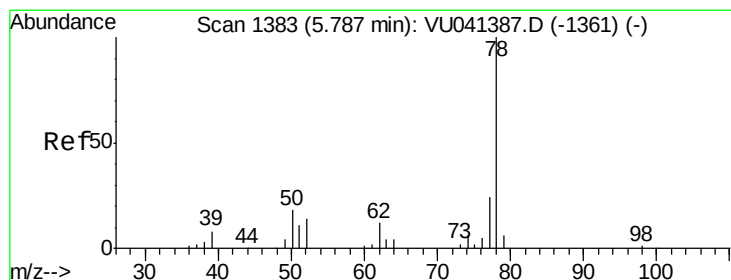
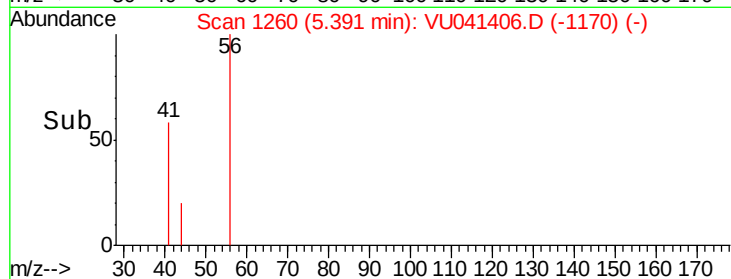
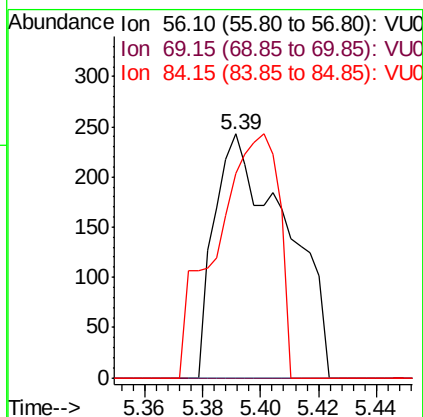
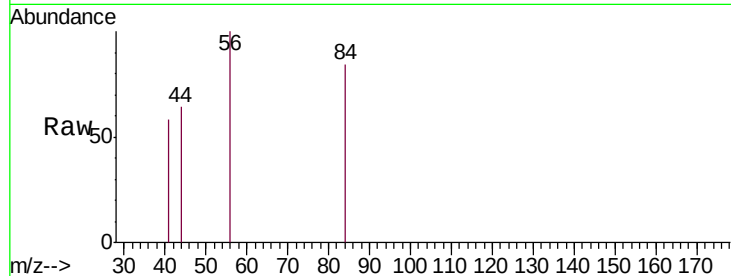




#30
Cyclohexane
Concen: 0.061 ug/L
RT: 5.39 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VU041406.D
Acq: 23 Nov 2020 22:37

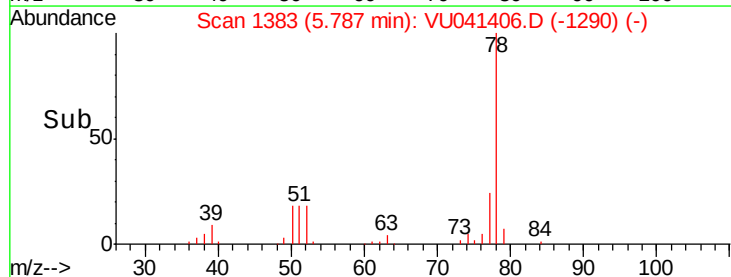
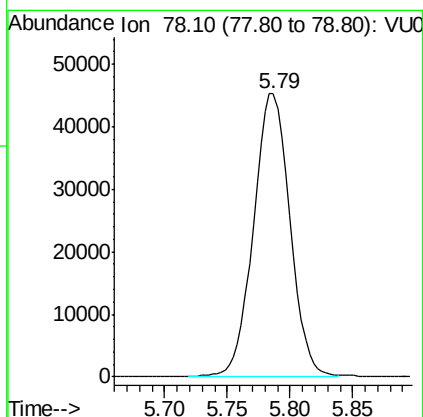
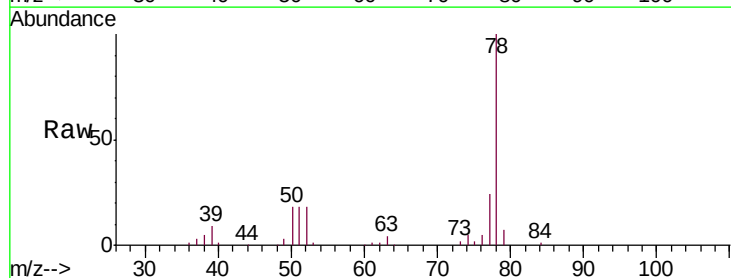
Instrument :
MSVOA_U
ClientSampleId :
H4404MSD

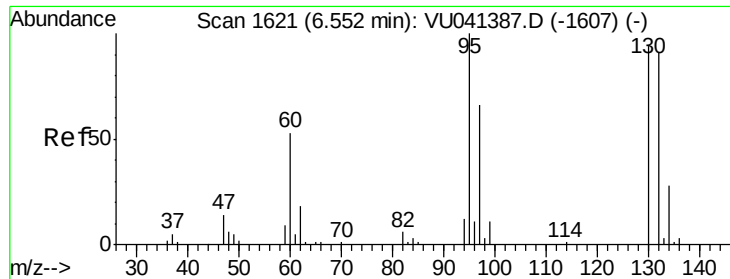
Tgt Ion: 56 Resp: 417
Ion Ratio Lower Upper
56 100
69 0.0 23.8 35.6#
84 87.8 64.6 97.0



#33
Benzene
Concen: 5.327 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041406.D
Acq: 23 Nov 2020 22:37

Tgt Ion: 78 Resp: 91860





#34

Trichloroethene

Concen: 4.944 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

H4404MSD

Tgt Ion: 95 Resp: 23216

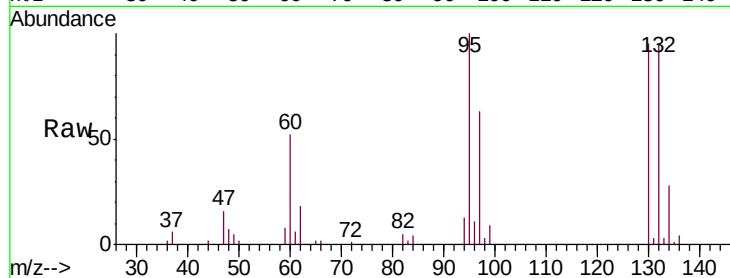
Ion Ratio Lower Upper

95 100

97 63.4 46.5 86.5

132 94.6 60.8 113.0

130 94.9 63.3 117.7

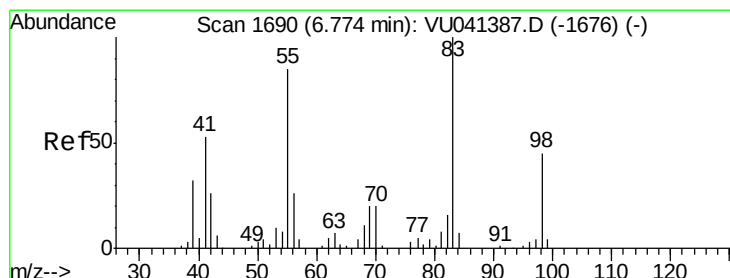
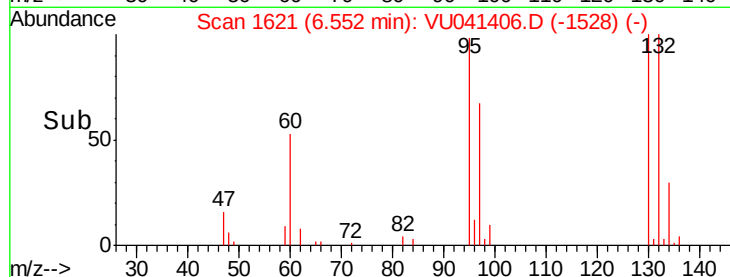
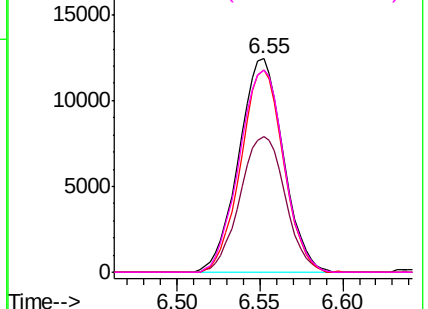


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.868 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

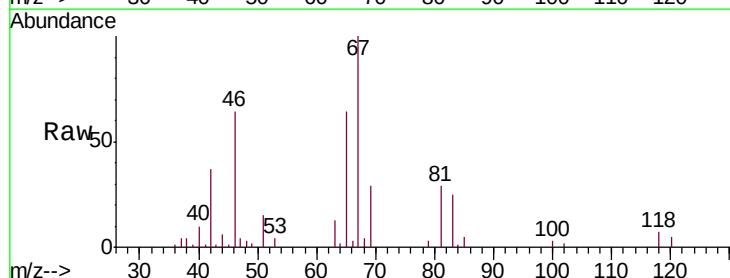
Tgt Ion: 83 Resp: 5945

Ion Ratio Lower Upper

83 100

55 0.0 68.4 102.6#

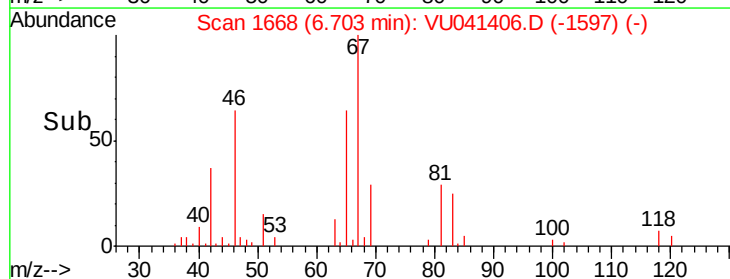
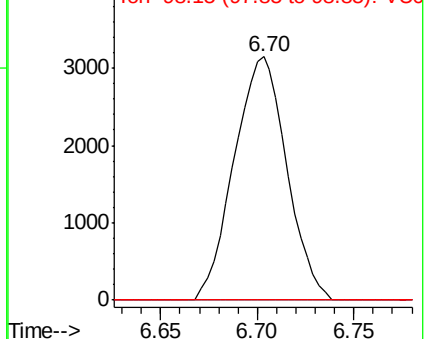
98 0.0 36.5 54.7#

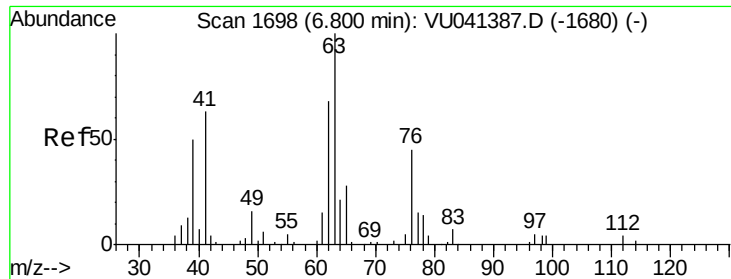


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

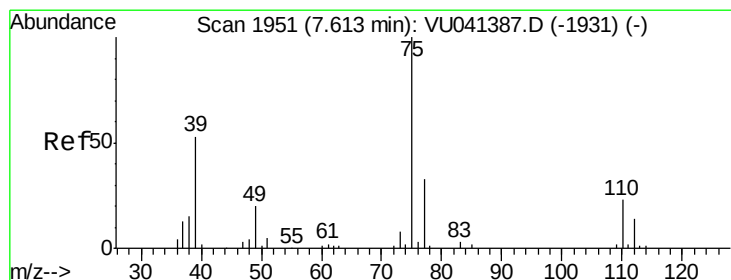
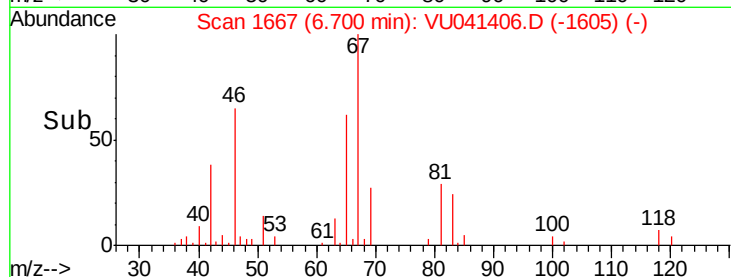
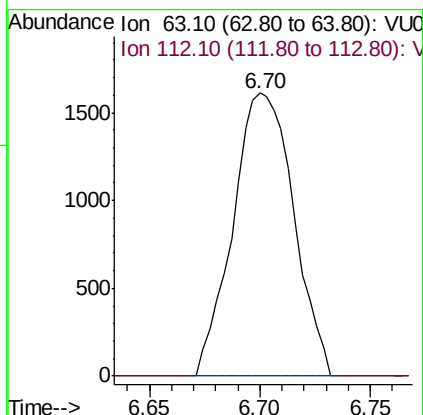
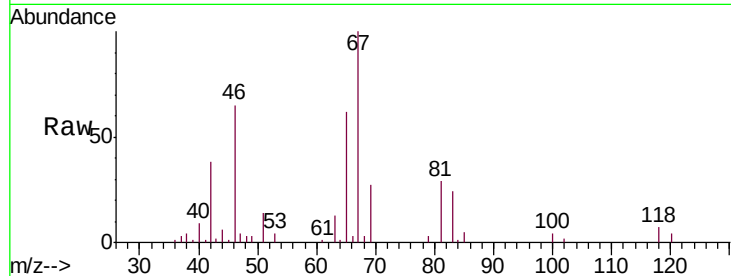




#37
 1,2-Dichloropropane
 Concen: 0.649 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041406.D
 Acq: 23 Nov 2020 22:37

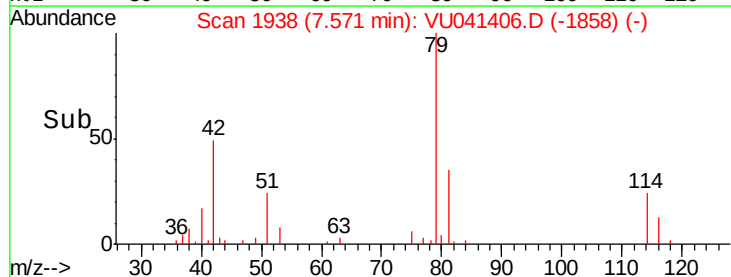
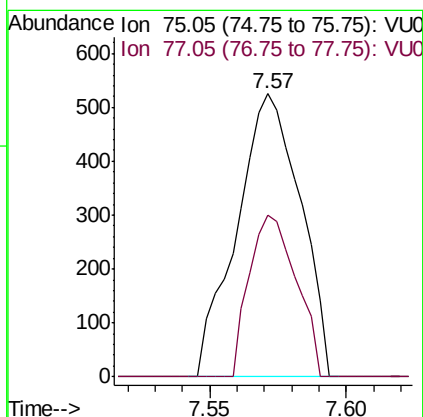
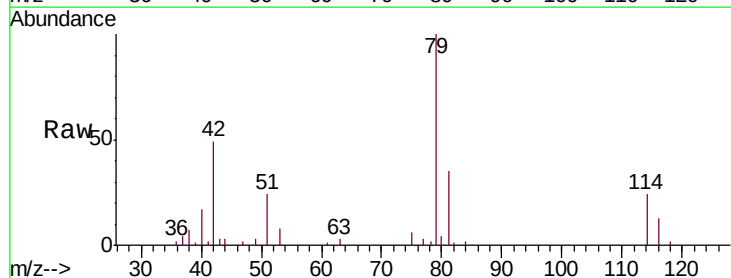
Instrument :
 MSVOA_U
 ClientSampleId :
 H4404MSD

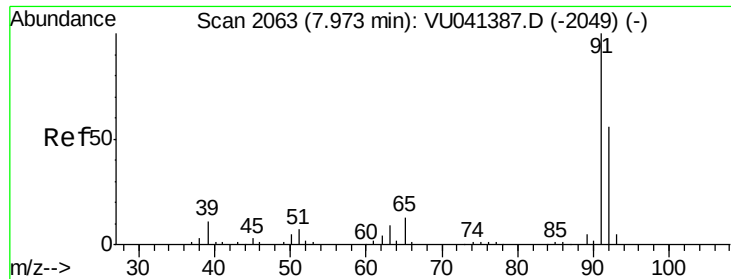
Tgt Ion: 63 Resp: 3070
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 4.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.130 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041406.D
 Acq: 23 Nov 2020 22:37

Tgt Ion: 75 Resp: 849
 Ion Ratio Lower Upper
 75 100
 77 57.3 22.1 41.1#





#42

Toluene

Concen: 4.702 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

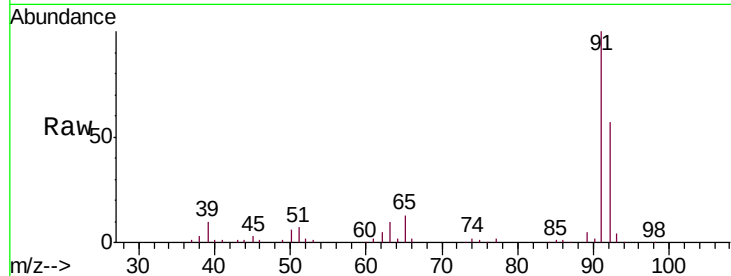
H4404MSD

Tgt Ion: 91 Resp: 86444

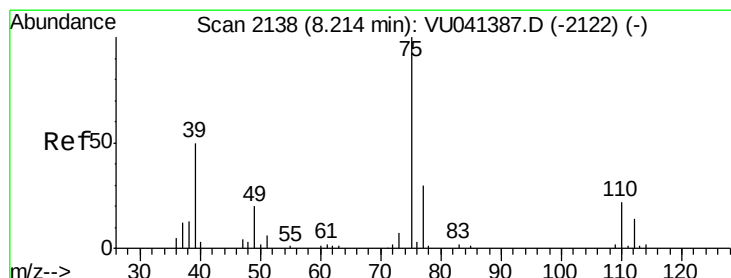
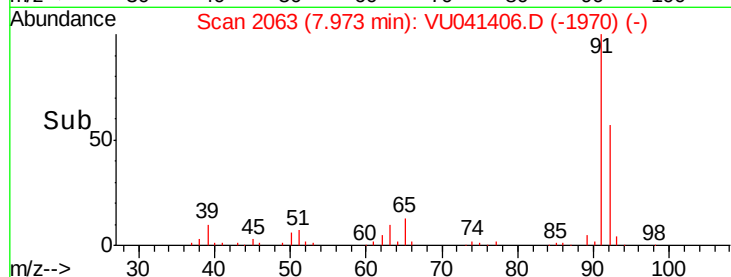
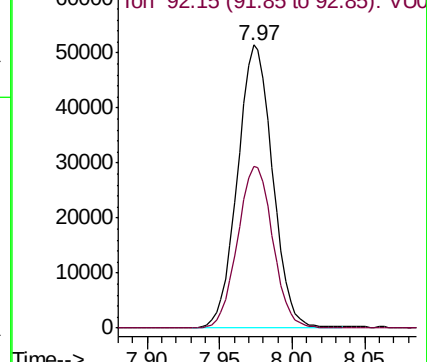
Ion Ratio Lower Upper

91 100

92 57.2 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU041387.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041406.D

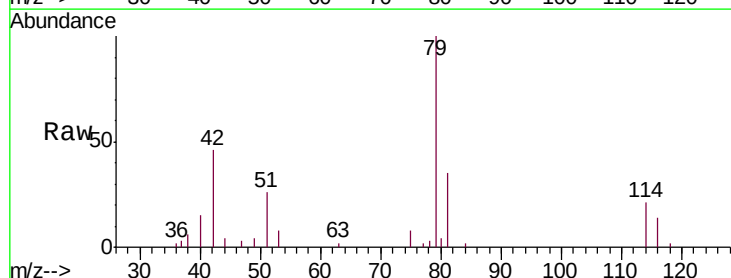
Acq: 23 Nov 2020 22:37

Tgt Ion: 75 Resp: 590

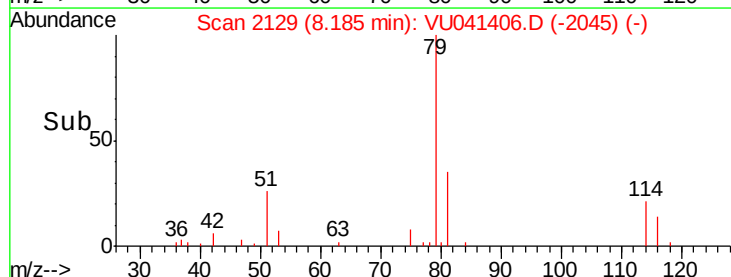
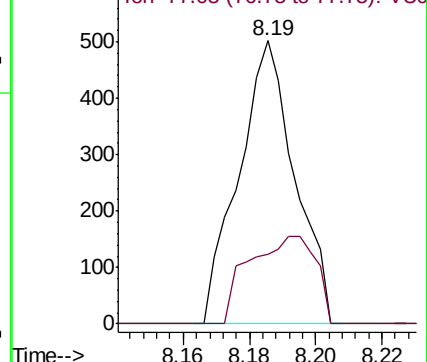
Ion Ratio Lower Upper

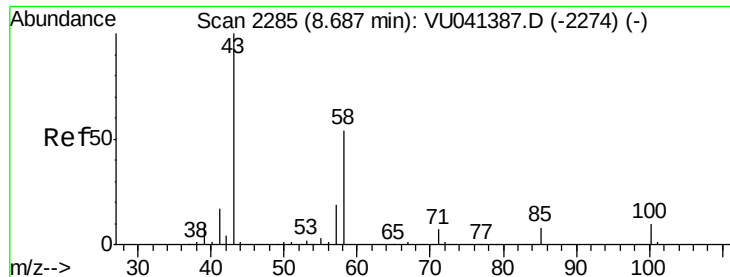
75 100

77 24.5 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU041387.D (-2122) (-)

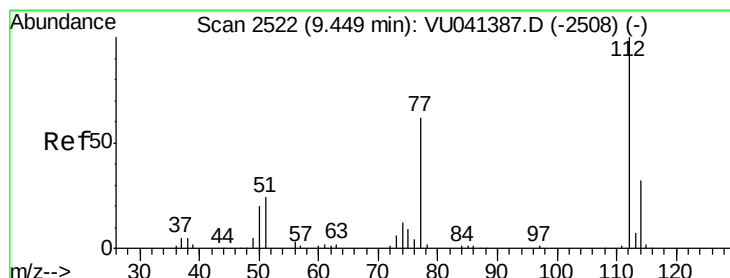
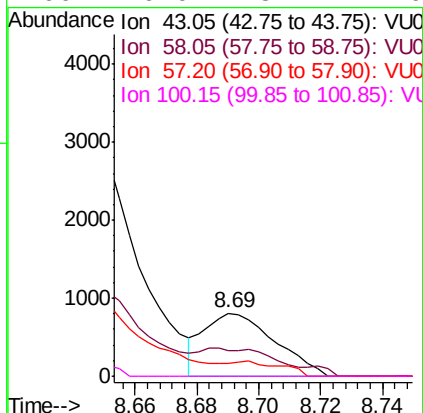
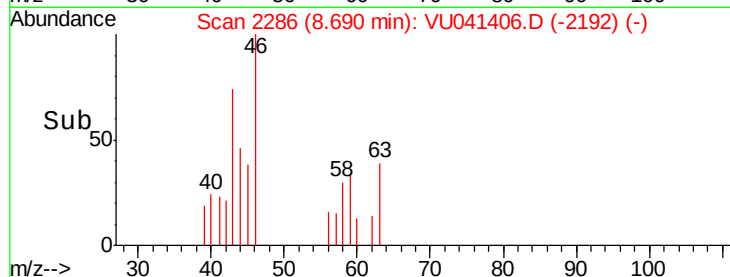
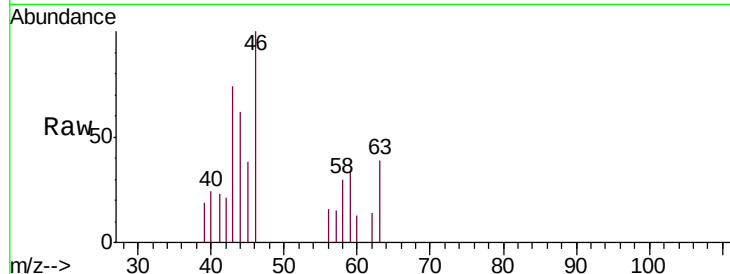




#48
2-Hexanone
Concen: 0.602 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041406.D
Acq: 23 Nov 2020 22:37

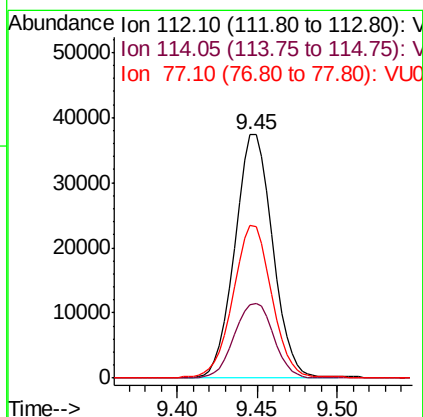
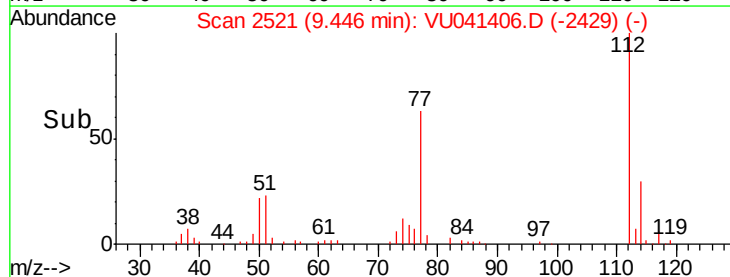
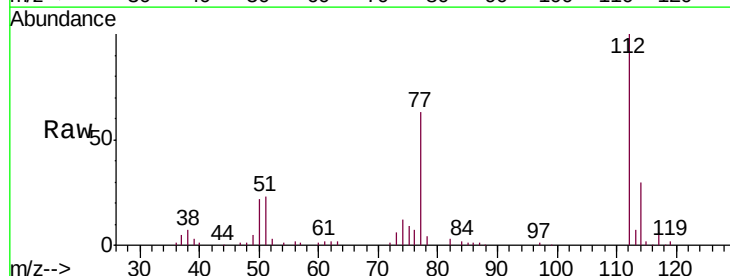
Instrument :
MSVOA_U
ClientSampleId :
H4404MSD

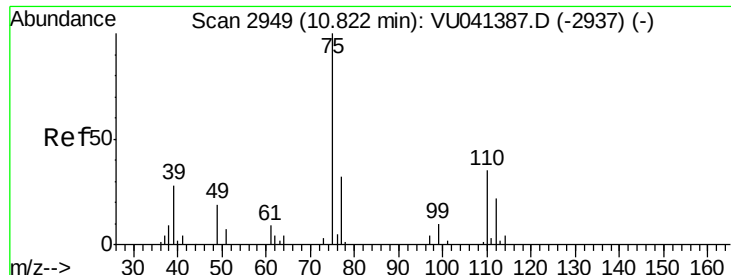
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 51.8 42.0 63.0
57 18.0 15.0 22.4
100 0.0 8.4 12.6#



#51
Chlorobenzene
Concen: 5.074 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041406.D
Acq: 23 Nov 2020 22:37

Tgt Ion: 112 Resp: 60387
Ion Ratio Lower Upper
112 100
114 30.2 22.3 41.3
77 63.0 52.2 78.4





#59

1,2,3-Trichloropropane

Concen: 1.050 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

H4404MSD

Tgt Ion: 75 Resp: 3244

Ion Ratio Lower Upper

75 100

77 49.0 25.1 37.7#

